COTTAGE GROVE CITY COUNCIL

NOVEMBER 2, 2022

12800 RAVINE PARKWAY SOUTH
COTTAGE GROVE, MINNESOTA 55016

REGULAR MEETING - 7:00 P.M.
COUNCIL CHAMBER

1 CALL TO ORDER

2 PLEDGE OF ALLEGIANCE

3 ROLL CALL

4 OPEN FORUM

5 ADOPTION OF AGENDA

6 PRESENTATIONS

A Small Business Saturday Proclamation
Staff Recommendation: Proclaim November 26, 2022, as Small Business Saturday.

7 CONSENT AGENDA

A City Council Meeting Minutes - October 5, 2022 (Regular Meeting)
Staff Recommendation: Approve the October 5, 2022, Regular Meeting Minutes.

B City Council Meeting Minutes - October 19, 2022, Regular Meeting
Staff Recommendation: Approve the October 19, 2022, Regular Meeting Minutes.

C City Council Meeting Minutes - October 19, 2022, Special Meeting
Staff Recommendation: Approve the October 19, 2022, Special Meeting Minutes.

D Planning Commission Minutes Approval
Staff Recommendation: Accept and place on file the minutes from the August 22, 2022, Planning Commission meeting.

E Rental License Approvals
Staff Recommendation: Approve the issuance of rental licenses to the properties listed in the attached table.

F City Hall Remodel Service Agreement
Staff Recommendation: Adopt Resolution 2022-146 awarding the City Hall Remodel contract to Schrieber Mullany Construction in the amount of $78,890.00 and authorize the service agreement between Schreiber Mullaney Construction and the City of Cottage Grove.

G Ice Arena Locker Room Agreement
Staff Recommendation: Authorize locker room lease agreement with Cottage Grove Athletic Association.

H Glacial Valley Park Building Plans, Specifications and Bidding
Staff Recommendation: Adopt resolution number 2022-144 approving plans and specifications and establishing a bid date of December 1, 2022, for the Glacial Valley Park Building project.

I MN DNR Outdoor Recreation Grant Application – Oltman Park

Staff Recommendation: Authorize resolution to apply for the MN Department of Natural Resources Outdoor Recreation Grant Program in the amount of $300,000 to be used for the Oltman Park Development Project.

J Inwood/Highlands Water Tower - DISH Lease Agreement

Staff Recommendation: Approve the Lease Agreement with DISH Wireless, LLC for the Inwood/Highlands Water Tower, subject to minor modifications as approved by the City Attorney.

K South District Sanitary Sewer Extension Phase 1 - Final Payment

Staff Recommendation: Approve resolution number 2022-147 for final payment to Geislinger and Sons in the amount of $126,900.53 for the South District Sanitary Sewer Extension Phase 1 Project.

L Septic System Variance at 7540 Laverne Avenue South

Staff Recommendation: Adopt Resolution 2022-143 approving the variance to allow an additional individual sewage treatment system and pressure bed to be setback seven feet from the west property line at 7540 Laverne Avenue South.

M City-Wide Rezoning Process And Notice Requirements

Staff Recommendation: Adopt Resolution 2022-145 authorizing a cIty-wide rezoning process and waiver of mailed notice requirements.

N City Code Publication

Staff Recommendation: Authorize signatures to enter into the agreement with American Legal Publishing to reformat, publish and host the City Code online.

O Washington County Response Letter

Staff Recommendation: Receive the Washington County Draft 2023-2027 Capital Improvements Plan response letter.

8 APPROVE DISBURSEMENTS

A Approve payments for the period of 10-12-2022 through 10-27-2022 in the amount of $4,250,435.52.

9 PUBLIC HEARINGS

10 BID AWARDS

11 REGULAR AGENDA

A Liquor Compliance Check Violation

Staff Recommendation: Allow business representatives an opportunity to respond to the City Council regarding liquor compliance check violations occurring July 22, 2022. Yayin Gadol, LLC dba Top Ten Liquors: If the representative admits to the violation impose the scheduled penalty for the 1st violation in 24 months to include a $500.00 fine and one-day suspension, or, at the City Council's discretion, instead of the suspension and fine, the participation of employees in an educational program approved by the Public Safety Director within 90 days. If a representative denies the violation schedule a contested case hearing before an administrative law judge.

12 COUNCIL COMMENTS AND REQUESTS

13 WORKSHOPS - OPEN TO PUBLIC

14 WORKSHOPS - CLOSED TO PUBLIC

A Closed pursuant to Minn. Stat. 13D.05 subd. 3(b) attorney-client privilege to discuss acquisition and eminent domain litigation for the East Point Douglas/Jamaica project.

15 ADJOURNMENT

City Council Action Request

6A

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Presentations
Title	Small Business Saturday Proclamation
Staff Recommendation	Proclaim November 26, 2022, as Small Business Saturday.
Budget Implication	N/A
Attachments	Memo - Small Business Saturday 2022.tif 3.86MB

PROCLAMATION NAMING SMALL BUSINESS SATURDAY
NOVEMBER 26, 2022

WHEREAS, the City of Cottage Grove celebrates our local small businesses and the contributions they make to our local economy and community; and

WHEREAS, according to the United States Small Business Administration, there are 32.5 million small businesses in the United States, representing 99.7% of all firms with paid employees, and are responsible for 62% of net new jobs created since 1995, and small businesses employ 46.8% of the employees in the private sector in the United States, and

WHEREAS, 79% of consumers understand the importance of supporting the small businesses in their community on Small Business Saturday, with 70% reporting the day makes them want to encourage others to shop small independently-owned retailers, and 66% report that the day makes them want to shop small all year long; and

WHEREAS, 58% of shoppers reported they shopped online with a small business and 54% reported they dined or ordered takeout from a small restaurant, bar, or café on Small Business Saturday in 2021; and

WHEREAS, the City of Cottage Grove supports our local businesses that create jobs, boost our local economy, and preserve our communities; and

WHEREAS, advocacy groups, as well as public and private organizations, across the country have endorsed the Saturday after Thanksgiving as Small Business Saturday.

NOW, THEREFORE, the Mayor and City Council of the City of Cottage Grove, County of Washington, State of Minnesota, hereby proclaim, November 26, 2022, as SMALL BUSINESS SATURDAY and urge the residents of our community, and communities across the country, to support small businesses and merchants on Small Business Saturday and throughout the year.

Signed this 2nd day of November 2022

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Mayor Myron Bailey

City Council Action Request

7A

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	City Council Meeting Minutes - October 5, 2022 (Regular Meeting)
Staff Recommendation	Approve the October 5, 2022, Regular Meeting Minutes.
Budget Implication	N/A
Attachments	10-05-2022 City Council Regular Meeting.tif 65.75MB

MINUTES

COTTAGE GROVE CITY COUNCIL — October 5, 2022

COUNCIL CHAMBER
12800 RAVINE PARKWAY SOUTH

REGULAR MEETING - 7:00 P.M
COUNCIL CHAMBER

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on October 5, 2022, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Pro Tem Dennis called the meeting to order at 7:00 p.m. He shared the Council's condolences to Mayor Bailey and his family with the passing of Mayor Bailey's father.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey - Not Present; Council Member/Mayor Pro Tem Dennis - Here; Council Member Khambata - Here; Council Member Olsen - Here; Council Member Thiede - Here.

Also present: Jennifer Levitt, City Administrator; Korine Land, City Attorney-LeVander, Gillen & Miller, PA; Tammy Anderson, City Clerk; Ryan Burfeind, City Engineer/Public Works Director; Pete Koerner, Public Safety Director; Brenda Malinowski, Finance Director; Amanda Meyer, Assistant City Engineer; Mike Mrosla, Senior Planner; Emily Schmitz, Senior Planner.

4. OPEN FORUM

Mayor Pro Tem Dennis opened the Open Forum. He noted three people wished to speak, and he informed each of them that they would have three minutes to speak; he asked they state their address for the record.

Zach Hartfiel, 8068 Hornell Avenue South, asked for more information on the donation from Pancentral, CGC Holdings, in the amount of $150,000 for economic development activities. He wanted to know who they are and why they donated so much money and

what they consider economic development activities. He asked the Council to clarify that for him tonight. Mayor Pro Tem Dennis stated that matter would be referred to our staff, who will send him a letter with an in-depth explanation.

Bonnie Matter, 6649 Inskip Avenue South, requested that Consent Agenda Item 7M be pulled from tonight's Consent Agenda. She submitted a Public Data Information Request, which she's sure staff is working on, but these should be things that are already known before you review it and approve it.

Mayor Pro Tem Dennis informed Ms. Matter that's an item that is on our agenda, which has been fully vetted by our staff team. He stated he didn't believe it would be in our best interests to pull that item at this time, and a big reason is our being able to access building materials. We're still in the COVID economy, and we must get out in front of material shortages. He informed Ms. Matter that we're not going to discuss it, and we're also not going to be pulling that off tonight's agenda.

Ms. Matter stated they won't be doing this in 2023, so there's no rush on this, and they'll probably have to push it out to 2024. That's why she's asking Council to please pull it from tonight's agenda, look at the questions she submitted in the data request form, and then come back and approve it.

Jennifer Mauer, 7700 74th Street South, stated she's lived in Cottage Grove for the last seven years. She loves the Cottage Grove community, the parks, the trails, more shopping, and coffee shops. In the last seven years she's seen the community really grow. Her three children attend school here, one at Park High School and two others attend Crestview Elementary. She's pretty concerned about her children's safety crossing the intersection of Hinton Avenue and 80th Street to get to school. On May 26, 2022, her kindergarten daughter was riding her bike to school with her third-grade brother. She watched them turn the corner onto Hinton Avenue, thought they were safe on the sidewalk, but for some reason that day she felt the need to get into her car to make sure they got to school okay. She drove down Hinton Avenue and was stopped at the intersection of Hinton and 80th Street, waiting to turn right; she kept looking in her rearview mirror to see them come up behind her to make sure they got to school that day. She saw the crossing guard's eyes get really big and knew something was wrong. When the light turned green, she turned the corner and parked her car on 79th Street. Her heart sank when she saw her six-year-old on the side of the road crying with a crowd of people around her. Her third-grade son was standing helpless next to her. There were other parents, students, teachers, police, firefighters, and amazing first responders coming to see what was wrong. By some miracle, her 30-pound six-year-old kindergartner only had one scratch on her chin from her helmet; that was her only injury. After speaking to the police and her son, it was deemed a driver had failed to yield at the crossing of Hinton and 79th Street, which is also a busy intersection. Her daughter's bike was totaled. She asked the Cottage Grove City Council to be more proactive instead of reactive with the safety of our kids when they cross the street at that school. She doesn't want to see another tragic accident happen to anybody else. Her daughter has residual mental trauma; she used to love riding her bike to school, and now she doesn't want to ride her bike at all and doesn't want to walk to school. Ms.

Mauer has been driving her to and from school every day. She's worried about that intersection, as it's so busy; now, Caribou Cabin has been added to the area of Hinton and 80th Street. She feels this is a huge hazard to everyone who walks there and crosses the street. Kids are pretty impulsive, but they're going to trust that adults are going to stop and yield.

Mayor Pro Tem Dennis stated she'd spoken for three minutes. We're very empathetic, grateful she shared this, and thankful her daughter did not have serious injuries. He would ask our staff to look into this and provide a response; that response will be placed into a future Council Agenda so everyone can read the response. As much as the Council might know about the process, we really have to turn this issue over to our Public Safety team and our City Engineer, as they know and understand those details. Mayor Pro Tem Dennis told Ms. Mauer he appreciated her sharing her information with us; we're very committed to making sure that everybody here in the community is safe and secure. Ms. Mauer stated she loves Cottage Grove, but thinks we can do better for the safety of our kids. She doesn't want to be reactive and have someone else get hurt; we need to be proactive. Mayor Pro Tem Dennis stated he appreciated her initial comments about the growth and the different opportunities that have come to town; we work very hard to try to provide that for the community and thanked her.

As no one else wished to address the Council, Mayor Pro Tem Dennis closed the Open Forum.

5. ADOPTION OF AGENDA

Council Member Thiede made a motion to adopt the agenda; second by Council Member Khambata. Motion carried: 4-0.

6. PRESENTATIONS

A. Fire Prevention Week Proclamation
Staff Recommendation: Proclaim the week of October 9-15, 2022, as Fire Prevention Week.

Mayor Pro Tem Dennis asked Council Member Khambata to read tonight's proclamation. Council Member Khambata read aloud the Fire Prevention Week proclamation, with the theme "Fire Won't Wait, Plan Your Escape." Mayor Pro Tem Dennis stated there's a staff recommendation that we proclaim the week of October 9 through October 15, 2022 as Fire Prevention Week, so he asked for a motion.

Council Member Olsen made a motion to proclaim the week of October 9 through October 15, 2022 as Fire Prevention Week; second by Council Member Thiede. Motion carried: 4-0.

Pete Koerner, Public Safety Director, stated public education and community involvement are extremely important to us; with COVID, we continued to do things, including drive-by parades for birthdays of kids and veterans. Night to Unite neighborhood parties were extremely successful, but he alone didn't make that happen. Fire Prevention Week has been recognized for 100 years, and he's excited that we'll once again be opening our doors at the Central Fire Station to do some tours. He asked Fire District Chief Jeff Brown and Lieutenant Mike Dandl to speak about all of the events planned for Saturday.

Lieutenant Dandl stated he's the Public Education Officer, overseen by District Chief Brown. This will be our first open house in three years; we're looking forward to having everybody back at the fire station. His goal is to make this interactive for everyone, children and adults. The Central Fire Station opened in 2018, so it's fun to see visitors impressed by what they see. They'll be able to go inside all of our trucks, including our brand new ladder truck. We'll be doing kitchen fire demonstrations. Regions Hospital representatives will be there, as they're our EMS medical directors. Marathon Refinery hopes to be there with their new fire truck. He's also received confirmation that 3M's E Squad will be there, so that will be nice. The Lions will be there, preparing food, and members of Beyond the Yellow Ribbon will also be there. There will be a makeshift house where children can practice putting out fires with hoses. There will be a car that adults can whack with sledgehammers; of course, safety is first, so adults will first gear up with helmet, eye protection, and gloves for that. Cottage Grove Fire Department plastic hats and stickers will also be available. We hope to have a great turnout.

Chief Brown stated it's very important to have smoke detectors as studies have shown that people cannot smell while they're sleeping. They won't smell the smoke, but hopefully something else will wake them up before it's too late, which is the smoke detector. He also mentioned the "Close Before You Doze" campaign; it's important that parents and children close their bedroom doors at bedtime because a closed door is known to give people an additional 30 minutes worth of protection in the event that they can't get out of their house or their room. Keep the door closed, as it will prevent smoke from coming in. The kids can get up and feel the door; if it's hot, keep it closed. Big killers in house fires are bedroom doors left open, smoke detectors go off in the middle of the night, and people get out of bed and stand up; the smoke is above, so its where they stand up. People are mainly found either steps away from the door, going out the way they always come in, or right by their bed because they stood up and took a breath or two and dropped right there.

Mayor Pro Tem Dennis thanked them for that information and for the work their entire team does on behalf of the community. We're very supportive and are happy that they held their "Fill the Boot" campaign again, which was nicely done and successful.

7. CONSENT AGENDA

A. Approve the September 7, 2022, City Council Special Meeting minutes.
B. Approve the September 7, 2022, City Council Regular Meeting minutes.

C. Approve the issuance of rental licenses to the property in the attached table.
D. Authorize executing agreement for professional services with Dr. Amy Schweigert of True North Psychology & Consulting.
E. Authorize the Cottage Grove Fire Department to apply for a Leary Firefighters Foundation grant for $25,000 to fund a much-needed project to purchase CAD interface computers for fire apparatus.
F. Adopt Resolution 2022-132 accepting donations received between April 1 and September 30, 2022.
G. Authorize the plan to move forward with a new K9 to replace Gunnar and authorize Public Safety to pursue funding through the USPCA and Public Safety Board.
H. Authorize staff to place the order for pickup trucks and hoists as part of the 2023 Equipment Replacement budget for an estimated total of $438,000.
I. Adopt Resolution 2022-131 authorizing the installation of a stop sign at Pine Arbor Alcove South at the intersection with Pine Arbor Lane South.
J. Approve Change Order #2 revising portions of the project design and scoping, and increasing the contract total by $527,813.34 to a total contract amount of $7,302,466.20.
K. Adopt Resolution 2022-129 authorizing the preparation of a feasibility report for the 2023 Pavement Management Project for portions of the Thompson Grove Estates Neighborhood and the south 80th Street frontage road from Hemingway Avenue to Hyde Avenue.
L. Adopt Resolution 2022- 2022-134 awarding the 2023 Pavement Management Project-Jetting and Televising project to the accepted quote supplied by Pipe Services, Inc. in the amount of $39,981.28.
M. Adopt Resolution 2022-133 approving plans and specifications and establishing an October 27, 2022, bid date for the River Oaks Golf Course improvement project.

Council Member Olsen wished to pull Item F, Accept Donations Received 2nd and 3rd Quarter, for further comment and/or discussion. He spoke about donations received between April 1 and September 30, 2022. He wanted to acknowledge those who took time to give back to the City in some way, as follows:

- LSP, LS Power, has consistently been a very generous donor to our Economic Development Authority (EDA). They made a donation of $150,000 to the EDA to be used for economic development activities for things like the ICSC conference. We are very grateful for their continued support.
- Northwoods Smokehouse donated $500 for the Fourth of July fireworks.
- Tennis Sanitation donated $5,000 for the Fourth of July fireworks.
- Renewal by Andersen donated $5,000 for the Fourth of July fireworks.
- Hy-Vee donated $5,000 for the Fourth of July fireworks.
- 3M donated $5,000 for the Fourth of July fireworks.
- Lions Club of Cottage Grove: Council Member Olsen stated as a member, the Fourth of July event is something we really enjoy doing, as we grill hamburgers,

hot dogs, brats, and provide door prizes for the kids. It's a family quality time event, and the highlight of the event is the fireworks show. The Lions Club also donated $500 in gift cards for Police community engagement; those were recently used to replace a backpack and some belongings for a person who'd had a bike accident on their way to school.

- 3M donated $5,000 to the Strawberry Fest.
- Joe Fischbach donated some exercise equipment to the Fire Department, valued at $4,000. Joe is the Human Resources Manager for the City of Cottage Grove.
- Linda Rodenberg donated a memorial bench to the playground at Meadow Grass Park; that was valued at $1,500.
- Dennis Brothers Liquor donated $250 to the Cottage Grove Convention and Visitors Bureau, also known as *Discover Cottage Grove,* to sponsor a hole at the Public Safety Golf Tournament at River Oaks Golf Course.
- Stantec donated $2,100 in support of The Season of Giving event.
- Rumpca Excavating donated $2,000 to the new landscaping at Oakwood Park.

Mayor Pro Tem Dennis stated all donations, no matter how large or small, are always appreciated. It makes a difference and helps make our home be a better place.

Motion by Council Member Olsen to approve the Consent Agenda; second by Council Member Khambata. Motion carried: 4-0.

8. APPROVE DISBURSEMENTS

A. Approve payments for the period of 9/16/2022-9/29/2022 in the amount of $5,625,235.34.

Motion by Council Member Thiede to approve disbursements; second by Council Member Olsen. Motion carried: 4-0.

9. PUBLIC HEARINGS - None.

10. BID AWARDS - None.

11. REGULAR AGENDA - None.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Khambata stated he attended the ribbon cutting today at Oakwood Park, and the Parks Department is doing fantastic work. He stated he's visited many of our parks, and just this last week with the changing leaves, he visited Camel's Hump Park, and Woodridge Park is one of his kids' favorites. He thanked City staff for giving his kids someplace safe and fun to play. He appreciated that we continue to invest in our community in that way.

Council Member Thiede stated it turns out that Strawberry Fest is throwing a party to show everybody how fun it is to be on the Strawberry Fest Committee and how fun it is to work together to bring a fantastic event to the City of Cottage Grove. This party is on October 13, at River Oaks Golf Course, at 6:00 p.m. We encourage everyone to come down and see how fun it is to help plan all of the Strawberry Fest events. The more the merrier! The Monster Bash parade is also on October 29. We're just starting to plan for next year's Strawberry Fest, and we need some really good, energetic, smart people. He knows there are a lot of smart people out there who like to have fun. So, come join us on October 13 at River Oaks Golf Course at 6:00 p.m. Be there to have some fun.

Council Member Olsen stated tomorrow night is a Police Department Open House, right here at Cottage Grove City Hall from 4:00 to 7:00 p.m. Council Member Olsen and Mayor Pro Tem Dennis will be working there in our yellow shirts tomorrow, as we'll be representing our Beyond the Yellow Ribbon team for the City of Cottage Grove. The Cottage Grove Lions will be there in their black shirts, and they will be grilling all kinds of good food and supplying chips, water, etc. For anyone who's interested in learning more about the Cottage Grove Police Department or has an interest in a law enforcement career, this will be a great opportunity for you to check out the facility, and ask some questions of our police officers, community service officers, and our police reserves. Stop by and see us tomorrow night, from 4:00 to 7:00 p.m., right here at City Hall. There will also be some demonstrations, the Minnesota State Patrol helicopter will be here, and there will be some other fun and exciting things taking place at the HERO Center. You'll be able to see that facility also, and if you haven't seen it yet, you'll be very impressed.

Council Member Olsen reminded people that early voting has started. You can cast your ballot tomorrow if you'd like; just go to the Washington County South Service Center in Cottage Grove and cast your ballot from 8:00 a.m. to 4:30 p.m. It's very easy to do. You get an in-person absentee ballot, fill it out, put it in an envelope, and hand it to staff at the Service Center. It doesn't take long and then you'll stop receiving phone calls and items in your mailbox, because as soon as it's known that you've voted, the various candidates will stop calling you and mailing you items. Please make sure that you do vote in this year's election, as it's very important.

Council Member Olsen stated regarding the donations, there was a question in Open Forum tonight about some things that the donations support. Staff will provide more information, but we have an Economic Development Authority (EDA) in Cottage Grove; they are a separate branch of government, they are their own entity. Mayor Bailey is the President of the EDA, the Vice President is Mayor Pro Tem Dennis, and there are residents and business owners who sit on the EDA. The EDA does a lot of really neat things for the business community in Cottage Grove. Donated funds go towards the Façade Improvement Program for businesses in Cottage Grove, funded through the EDA; we match grants for businesses that want to improve their building's appearance. During the COVID pandemic, many of our restaurants and bars were really struggling and many were closed by the governor's decree; even when they reopened, they did so

on a limited basis. The EDA also offered grant opportunities for local businesses that were having a difficult time finding grants that they did not have to pay back for operating their business, keeping people employed, keeping current with their payroll, etc. The EDA also purchased land, perhaps a vacant business site for redevelopment, to be sold to an interested end user in the future. It's another great way to make sure that our Cottage Grove business community stays vibrant so we can continue to attract new businesses while retaining our existing businesses. LSP has been a very generous donor for many years, and the EDA is very grateful for the funding that they provide so we can continue to grow our business community. Mayor Pro Tem Dennis and Mayor Bailey have recently filmed some Facebook Live events about the value of the growth that has been brought to our community. The City is very healthy as a result of some of those investments.

Mayor Pro Tem Dennis added that the money received, to be used by the EDA, is a donation; he wanted to be very clear that those are not taxpayer dollars, it's not money coming from residential property taxes. We use that money to help build a vibrant local economy to structure a healthy business environment and to do things that have been very successful over the past eight years. When you look at the almost $2 billion of economic development growth, if you back out the housing component, we've had a lot of things happening in our Business Park as well as retail and commercial space. We're doing quite well, we've got a great program, and in many instances, we have been the talk of the town with our success. We owe that to our commission members and our great staff who really do the heavy lifting to get the job done. He thanked Council Member Olsen for bringing that up.

Mayor Pro Tem Dennis wanted to piggyback off of Council Member Khambata's comment about today's ribbon cutting at Oakwood Park, 7851 Harkness Avenue South. Our Convention and Visitors Bureau has a fantastic website, discovercottagegrove.com; its very user friendly, if you want to learn about parks, trails, local businesses, or other substantial local amenities. It's a great way to discover things happening in our City.

Mayor Pro Tem Dennis stated the Cottage Grove Lions cook burgers, brats, and cheeseburgers; their bacon cheeseburger is amazing. There's another upcoming event in Cottage Grove that provides an all-you-can-eat meal opportunity at Acacia Lodge #51, 11094 70th Street South. The Cottage Grove area Masons are having their annual spaghetti dinner on Saturday, October 8, from 4:00 to 7:00 p.m. Prices: Adults: $10, Kids 4-12: $5, Kids 3 and Under: Free. This is the biggest fundraising event for our local Masons; they provide local young people with educational scholarships. The spaghetti is fantastic, and it's a great service by a group of fantastic people.

Mayor Pro Tem Dennis stated Council Members are aware there has been a bit of a challenge with the company that we use for water billing services, OPUS21. He had a constituent visit him today, who had some questions, and wanted some feedback and direction on where we're at in this process. He asked City Administrator Jennifer Levitt to provide some details for the community; he believed this mostly affected the rural areas. We're looking for a good outcome for our affected community members.

Administrator Levitt stated we'd notified Council that our vendor did not actually mail over 400 bills last year to our rural residential customers. These customers only receive a bill once a year, so it's not something that they expect every month. Some pay electronically, but some just rely on that mailed bill. Unfortunately, we became aware of the situation after we sent over 400 delinquent letters to those residents. Our residents take an amazing amount of pride in paying their bills and being responsible citizens, so we apologized to them in a letter that we sent shortly after we realized the error. Clearly, we did not mean to insult them in any way. We're providing an additional grace period to be able to pay that; they won't need to pay their 2021 bill until January, 2023, and there won't be any late charges assessed. In November, they will actually receive their 2022 bill; to reduce confusion, at that time we will provide individual statements to make sure that there's clarity for those who have paid their 2021 bill and those who have not. They'll know exactly how much to pay. We're working with our provider to give those very detailed letters. She assured Council that they're taking action with our vendor to prevent this from happening in the future. Unfortunately, the vendor does some of their printing out of state, so we've asked them to bring that printing back to the State of Minnesota; we also asked them to rectify this situation and work with us. We extend our apologies to those residents who received the delinquent notices, and we're working to correct that.

Mayor Pro Tem Dennis thanked Administrator Levitt for that explanation. The resident with whom he spoke today stated he knew the City would never seek to create a problem for the residents on an issue like that. Mayor Pro Tem Dennis explained to him that we live in a very imperfect world right now, so sometimes there can be room for a little bit of understanding and empathy and compassion as we try to bring things together without necessarily having all of the parts there.

Council Member Olsen asked Administrator Levitt to pass along very positive feedback to Dar; some of his friends in Pine Coulee reached out to him about this situation, and they said as soon as they called Dar, she took care of it, she was wonderful with her patience and understanding. Obviously, some people were upset about something that the City screwed up, and Dar is the person we want to handle it. Please let Dar know that what she's doing certainly softened the blow a great deal. Administrator Levitt thanked Council Member Olsen for that information, and stated she would pass that along to Dar, as she's been fielding many, many phone calls. She's taking her time to make sure that we educate, inform, and apologize for the mistake.

Mayor Pro Tem Dennis stated being transparent, open, and honest to the community is very important. He knows that we all strive to do that on a daily basis as we work on behalf of the City. Some may be aware that there was very recently an article and a Letter to the Editor in the *Cottage Grove Journal* newspaper; the letter was regarding the Mississippi Landing court case in which we've been involved. He read a statement to provide some transparent, factual information that can be put on a timeline as we work our way through the process:

"In early 2021, the City of Cottage Grove prepared the Mississippi Dunes Master Plan to help the City determine the highest and best use for the former Mississippi Dunes Golf Course, located south of 103rd Street and north of the Mississippi River.

After extensive visioning, planning, and a public engagement process, the Master Plan was reviewed by the Planning Commission, who recommended it to the City Council for approval. The Council approved the Master Plan in November, 2021.

Following the approval of the Master Plan, Pulte Homes proposed a residential development called Mississippi Landing. The proposed development will include nearly 70 acres of open space, which is double any applicable legal requirement, including a 12-acre increase in the State's Grey Cloud Dunes Scientific and Natural Area (otherwise known as the SNA), and then 30 acres for habitat preservation, and 25 acres for a river buffer park and open space along the Mississippi River corridor. These plans were consistent with the City's Master Plan for the land; however, some members of the public, primarily environmental activists outside the City, desired to see the entire parcel taken and preserved as open space.

Minnesota law requires that an environmental review be conducted for certain projects that could impact the environment. An Environmental Assessment Worksheet, known as an EAW, is the most common method for this environmental review. It is a document designed to lay out the environmental facts of the specific project being proposed, and it analyzes and reviews topics such as existing groundcover, zoning, geology, water resources, air quality, noise, ecological resources, hazardous materials, and traffic. The bigger purpose of an EAW is to determine if a more robust analysis, called an Environmental Impact Statement (otherwise known as an EIS) is required for the project. As part of its project proposal, Pulte Homes submitted the mandatory EAW. As required by law, the Draft EAW was published with the Environmental Quality Board for a 30-day public review and comment period, as well as published on the City's website.

After conclusion of the 30-day comment period, on February 2, 2022, the City Council held a hearing and took testimony on the EAW. Based on all the evidence in the record, including the 371-page report from the consultant, which found that the project would have no potential for significant environmental effects, the Council made the determination that an Environmental Impact Statement (EIS) was not required for the project.

On March 16, 2022, three individuals called relators and filed a position with the Court of Appeals. They requested that the Court review the City's determination that an EIS was not required. They sought a declaration that the City's decision was arbitrary and capricious; in other words, they wanted a declaration that the City's decision was not based on substantial evidence.

The Court of Appeals accepted the petition and issued a Court-ordered Writ of Certiorari on March 17, 2022. This authorized the Court to conduct a review of the City's decision. Anyone here at this Council Meeting tonight knows that we do things by procedure; the same is true with the Court process. There is a strict procedure that must be followed. When the Court issued the Writ, the relators were required to serve the Writ on all required parties within 30 days, and this included the City and Pulte Homes. The relators timely served the City with the Writ within the 30-day timeframe; however, they did not serve Pulte Homes until September 9, 2022, which is about 176 days late, and only did so after the Court brought the failure of service to its attention.

The exciting news is that on September 20, 2022, the Court of Appeals dismissed their appeal because the relators failed to timely serve Pulte Homes. Therefore, the City's determination that an EIS is not required stands and the matter is concluded. While the City believes the Court of Appeals would have upheld its decision due to substantial evidence and support in the record, the City is pleased to have this matter decided in its favor so that we can move forward."

Mayor Pro Tem Dennis stated as he closed this statement, on which our staff and our legal team assisted, he wanted people to know for the record and understand a little bit about how we do our job here at this dais. He brought in his swearing-in statement from four years ago and read that because he thought people needed to know that there's a legal process and requirement that we have to follow. So, he read it verbatim: *'I, Steve Dennis, do solemnly swear that I will support the Constitution of the United States and the Constitution of the State of Minnesota and that I will faithfully execute and discharge the duties of the office of Council Member for the City of Cottage Grove, County of Washington, State of Minnesota, according to the law and the best of my judgment and ability.'* We all do that, and we do that every single day. We've taken an oath to do that, and it is at the heart of the very business that we serve here for the people of our community.

Mayor Pro Tem Dennis stated because those letters were published in the paper, he felt it important that members of our community, as a few had asked him, be provided with a little bit more clarity and detail for the historic record on exactly what happened. Based upon the circumstances, we are now in a position to move forward.

13. WORKSHOPS - OPEN TO PUBLIC - None.

14. WORKSHOPS – CLOSED TO PUBLIC - None.

15. ADJOURNMENT

Motion by Council Member Thiede, second by Council Member Khambata, to adjourn the meeting at 7:50 p.m. Motion carried: 4-0.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk.

City Council Action Request

7B

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	City Council Meeting Minutes - October 19, 2022, Regular Meeting
Staff Recommendation	Approve the October 19, 2022, Regular Meeting Minutes.
Budget Implication	N/A
Attachments	2022-10-19 City Council Regular Meeting.tif 191.13MB

MINUTES

COTTAGE GROVE CITY COUNCIL — October 19, 2022

COUNCIL CHAMBER
12800 RAVINE PARKWAY SOUTH

REGULAR MEETING - 7:00 P.M
COUNCIL CHAMBER

1. CALL TO ORDER

The City Council of the City of Cottage Grove, Washington County, Minnesota, held a regular meeting on October 19, 2022, at Cottage Grove City Hall, 12800 Ravine Parkway. Mayor Bailey called the meeting to order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

The audience, staff, and City Council Members stood and recited the Pledge of Allegiance.

3. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey - Here; Council Member Dennis - Here; Council Member Khambata - Here; Council Member Olsen - Here; Council Member Thiede - Here.

Also present: Korine Land, City Attorney-LeVander, Gillen & Miller, PA; Tammy Anderson, City Clerk; Ryan Burfeind, City Engineer/Public Works Director; Gretchen Larson, Director of Economic Development; Christine Costello, Director of Community Development; Pete Koerner, Public Safety Director; Brenda Malinowski, Finance Director; Mike Mrosla, Senior Planner; Emily Schmitz, Senior Planner; Zac Dockter, Director or Parks and Recreation; Eric Rigby, Communications Manager; Rick Redenius, Fire Chief/Deputy Director of Public Safety.

4. OPEN FORUM

Mayor Bailey opened the Open Forum, noting the Butt family wished to speak.

Wayne and Angi Butt, 7405 Lamar Avenue South, extended an invitation to the Mayor, Council Members, Planning Commission, EDA, and City staff as they're very excited about their new project in Old Cottage Grove. They want to give them a sneak peek of Angelayne at 7404 Lamar Avenue South. They've scheduled a meet-and-greet with their preferred vendors on Thursday, October 27, at 5:00 p.m. to capture the beautiful sunset at Angelayne. Why are they doing this? As a former Council Member, a successful business owner with his wife, Angi, and our community, we've put a lot of

blood, sweat, tears, and love into everything we do. That's shown by the folks that have told us how we're doing, who love this for fixing up and maintaining Old Cottage Grove. We're not the only ones who are successful business owners in the Cottage Grove area; the Chamber is full of successful entrepreneurs. We're celebrating an evening of excellence on Thursday, October 27, at 5:00 p.m., by reservation only, at the historic Furber Farm. Our business was built on trust with other small businesses in our community, and we rely heavily on each of them to build and maintain what they're doing. After we purchased the site at 7404 Lamar Avenue in August 2021, we advertised on the City website and reached out to the community on social media to lease this space for our business adventure. Many ideas came to them, but no one stepped up to the plate. Our goal is to do the best we can with what is given to us. Angelayne is a masterpiece of art in a historic area of Cottage Grove. How did we come up with Angelayne? It's easy, Angela and Wayne, drop the W and you have Angelayne. We took a storage building and land riddled with debris and overgrown with vegetation, mostly buckthorn, and turned it into something very beautiful and desired in our community. With the cooperation of City staff, the Planning Commission, and the Council, we'd love to have Angelayne be a destination wedding venue for folks who desire to have a special, intimate place to celebrate. This is what is most desired when it comes to tourism in our community; like in the movie *Field of Dreams*, "Build it and they will come." We have a track record built on this that puts hundreds of people to work in our community to live, work, and play in the City of Cottage Grove. We thank the Council for your time this evening, and look forward to seeing each of you on Thursday, October 27, at Angelayne in Old Cottage Grove for a magical evening.

As no one else wished to address the Council, Mayor Bailey closed the Open Forum.

5. ADOPTION OF AGENDA

Council Member Dennis made a motion to adopt the agenda; second by Council Member Thiede. Motion carried: 5-0.

6. PRESENTATIONS - None.

7. CONSENT AGENDA

A. Approve the September 7, 2022, City Council Closed Meeting minutes.
B. Approve the September 21, 2022, City Council Regular Meeting minutes.
C. Receive letter in response to Open Forum concerns raised at the October 5, 2022 City Council Regular Meeting regarding Hinton Avenue trail crossing at 79th Street South.
D. Receive letter in response to Open Forum question from October 5, 2022 City Council Regular Meeting regarding the Economic Development Trust Fund.
E. Receive letter in response to Open Forum concerns raised at the October 5, 2022 City Council Regular Meeting.

F. Authorize issuance of a massage therapist license to Jacqueline Joyce Head, who will be working at The Healing Place of Cottage Grove, 8617 West Point Douglas Road South, #140, contingent on meeting the outlined certifications/education requirements.
G. Approve the issuance of rental licenses to the properties in the attached table.
H. Adopt Resolution 2022-139 approving Pay Request No. 3/Final in the amount of $3,448.58 to Meyer Contracting, Inc. for the Lake Robert Outlet Project.
I. Approve the Service Agreement with Washington Conservation District to conduct MSA erosion and sediment control inspections.
J. Approve the contract with Washington Conservation District for the Stormwater Monitoring project.
K. Adopt Resolution 2022-136 approving the feasibility report, ordering the project, and authorizing preparation of plans and specifications, and Adopt Resolution 2022-141 authorizing easement acquisition for the East Point Douglas Road & Jamaica Avenue reconstruction and signal modification project.
L. Adopt Resolution 2022-135 rescinding the motion to authorize filing a petition for the return of forfeiture proceeds.

None of the Council Members wished to pull any items for further comment and/or discussion.

Motion by Council Member Olsen to approve the Consent Agenda; second by Council Member Khambata. Motion carried: 5-0.

8. APPROVE DISBURSEMENTS

A. Approve payments for the period of 9/30/2022-10/20/2022 in the amount of $2,062,745.86.

Motion by Council Member Dennis to approve disbursements; second by Council Member Thiede. Motion carried: 5-0.

9. PUBLIC HEARINGS

A. Tall Weeds Assessment
Staff Recommendation: 1) Hold the public hearing on assessments for tall weed removal. 2) Adopt Resolution 2022-137 adopting the assessments for tall weed removal.

Brenda Malinowski, Finance Director, stated this public hearing is for the assessment and removal of weeds on private property. Per City Ordinance 4-3-1, there are requirements on weed and plant height; in 2022, our Code Enforcement Officer sent 48

letters to property owners for violation of the ordinance. Each owner was given five days to abate the conditions, or the City would abate those conditions. In seven instances, the owners did not comply, so the City had a vendor remove those conditions, after which we sent an invoice to the property owners for the abatement costs incurred. At the Council Meeting on September 21, 2022, you declared those costs and ordered the assessment hearing to be held tonight for those seven properties. As required, we sent an assessment notice to those seven property owners, and we also published tonight's public hearing notice in the newspaper.

Two property owners paid the assessment, so those properties have been removed from the assessment roll tonight. We're asking Council to hold the public hearing tonight and then Adopt Resolution 2022-137 for the assessments for tall weed removal on private property. If that assessment is adopted, then a one-year assessment is put on the property tax rolls for next year.

Mayor Bailey opened the public hearing. As no one wished to speak on this item, Mayor Bailey closed the public hearing.

Motion by Council Member Khambata to Adopt Resolution 2022-137 adopting the assessments for tall weed removal; second by Council Member Olsen.
Motion carried: 5-0.

B. Hazardous Properties
Staff Recommendation: 1) Hold the public hearing on assessments for hazardous conditions removal. 2) Adopt Resolution 2022-138 adopting assessments for hazardous conditions removal.

Director Malinowski stated Minnesota State Statute 463 provides cities the ability to assess costs associated with removal or elimination of public health or safety hazards from private property. There was one property in 2022 where a notice was sent about hazardous conditions on private property related to trash removal. The property owner did not abate those conditions and so the City abated those conditions. Once we did so, we sent the property owner an invoice for the cost of that abatement. At the Council Meeting on September 21, 2022, Council declared those costs to be assessed. You ordered the preparation of the assessment roll and to call tonight's public hearing. As required by Minnesota State Statute 463, we published tonight's public hearing in the newspaper, and we sent a notice to the property owner. We ask that the public hearing be held tonight, and we then ask Council to Adopt Resolution 2022-138 adopting assessments for hazardous conditions removal from this property. If Council adopts this resolution, the assessment will be added onto the tax roll for one year.

Mayor Bailey opened the public hearing. As no one wished to speak, Mayor Bailey closed the public hearing.

Motion by Council Member Dennis to Adopt Resolution 2022-138 adopting assessments for hazardous conditions removal; second by Council Member Thiede. Motion carried: 5-0.

10. BID AWARDS - None.

11. REGULAR AGENDA - None.

12. COUNCIL COMMENTS AND REQUESTS

Council Member Thiede stated the Monster Bash parade is coming up on October 29, at 10:00 a.m., which is another part of the Strawberry Fest; that is a week from Saturday, and he hopes we'll have nice weather. The parade will start by the District Service Center. If you want to be in the parade, you'll find an online application at cottagegrovestrawberryfest.com. It's a fantastic time and everybody loves a parade. He invited everyone to attend and have some fun.

Council Member Olsen tipped his cap to our Public Safety Department for what he considered to be two really fun, exciting events for the families in Cottage Grove, open houses at the Police Department and the Fire Department. He attended both, and they were both very busy. Many families came out to meet their heroes in the Police Department and in the Fire Department. Folks enjoyed good food prepared by our Cottage Grove Lions, who donated their time to cook for both events. All of the proceeds from the food sales, which totaled just over $1,100, were donated to the Cottage Grove Public Safety Board; we thank the Lions for that donation. Other groups there included the Youth Service Bureau, Beyond the Yellow Ribbon, and other nonprofits, including the Public Safety Board, who sold pink patches for Breast Cancer Awareness Month. A good job was done by everybody who planned and executed those events. He especially thanked Mike Dandl of the Fire Department and Dan Schoen of the Police Department, as well as other police officers and members of the Public Safety Board who helped coordinate the Public Safety open houses.

Council Member Olsen reminded everybody that it is an election year, and it's really important that people take the time to vote. Please exercise your right as a citizen to cast a ballot in the election. You can vote on Election Day, or you can vote early with an absentee ballot at the South Washington County Service Center on Keats Avenue. Once you've cast your ballot and it's captured by the Secretary of State, you will no longer receive phone calls or items in the mail as your name will be removed from the voter rolls, so the candidates will no longer contact you.

Mayor Bailey thanked his colleagues, specifically Council Member Dennis, for standing in for him over the last couple of weeks. He thanked the public for their many words of support with the passing of his dad; it was nice to know that he had the support of the Council and all of our staff and the community. The number of messages, flowers, and notes was over the top, which was awesome. He thanked all those who had helped out

with a number of ribbon cuttings. He thanked everyone for their thoughts and prayers for him and his family.

Mayor Bailey stated tonight we have a workshop session, open to the public, in the Training Room; the purpose of the workshop is the City Code Recodification. We are reviewing all of our zoning regulations, rules, and ordinances, and we're finally nearing the end. We'll hopefully be reviewing the rest of it tonight, and that will eventually come back for approval by the Planning Commission and Council before the end of the year. Mayor Bailey stated we'll be adjourning tonight from the workshop in the Training Room.

13. WORKSHOPS - OPEN TO PUBLIC

A. City Code Recodification Work Session

City Attorney Korine Land stated the City Code is comprised of Title 1 through Title 11. Tonight, we'll cover some unfinished Sections from Title 1 through 9. We'll also finish Zoning Sections, which were previously under construction. Then we'll review the schedule moving forward to get to adoption of the entire City Code.

Attorney Land noted there are two things that we're not going to be able to codify when we do the complete adoption of the City Code: Subdivision Regulations and our Sign Section will both come later, as those are two very complicated things. The Community Development staff has been working really hard on Zoning to make sure they get that right, and they felt these two Sections could be parceled out and done later to ensure they have time to get those right as well.

Title 2 - Boards and Commissions

Chapter 2 - Advisory Committee for Historic Preservation (ACHP): We'd kind of skipped over this the first time because it was living in Zoning, and we hadn't gotten to the Zoning Sections yet. When the Community Development Department got to that Section, they felt it really should be living in our Boards and Commissions in Title 2, so that's where it is now.

We felt it should be rewritten as it was a little cumbersome and confusing; it had probably been written and revised over many years. It now makes more sense and is cleaner. The ACHP is created by ordinance as it's optional, not all cities have one. If you're going to have one, you have to create an ordinance to have it, which is what we've done. The purpose is to stake our properties that have historical significance to the City. We've tried to clarify the duties and responsibilities: Basically, the ACHP can identify historic properties and put them on a local list; there's a National Registry, a State Registry, and now we have a Local Registry. It requires the property owner's consent, so we don't just get to decide; the property owner actually has to want it to be on that list and may not want that for whatever reason(s). If a property is on that list and the property owner wants it to be removed, then they have to notify the ACHP in order for it to be removed from that list. Once on the list, if the property owner wants to apply for some kind of a planning application, such as a Conditional Administrative or Interim Use Permit, they have to go to the ACHP. The ACHP has to give a recommendation to

the Council as to whether or not they can adjust the property in the manner that they're requesting. The ACHP is an advisory body only, so anything they do still has to come before the Council for approval. So, the review permit section will be in the Zoning Ordinance.

As you look at the Boards and Commissions in Title 2, they all look the same: The makeup of the body, the number of people on it, all of the typical things you see in Title 2 will be there. The actual review of the planning application things will be in Zoning. The changes that we're specifically making are: 1) They have an eight-member body, which is very unusual; none of our other commissions have eight members, so we're reducing it to seven. No one will be removed, but if someone leaves, we won't reappoint. 2) We're removing the HCUP as nobody really knew what it was, it was a special Conditional Use Permit just for historic properties. If anybody has one, they can keep it; going forward, none will be issued. 3) The Zoning Sections will be moved to the Zoning Ordinance.

Title 3 - Business and License Regulations

Mobile Food Trucks, Chapter 12: Attorney Land stated we feel like the ordinance is working, although we've only seen it through one real summer season. The fee seems to be a recurring theme because it's a $250 annual fee whether you do this once or want to have a food truck all year. For special events, like a birthday or graduation party, it's cost prohibitive for somebody to come in and do just one event. The request is for Council to reconsider the fee, so she asked for discussion on whether or not the fee should be reduced.

Council Member Dennis stated when we decided on the fee, he recalled that staff had looked at what we had into the process, so we were never at a point where we were making money on this but were simply covering our costs. He asked if that was correct; City Clerk, Tamara Anderson replied yes, because we have to do inspections. He asked if we decreased that fee so we're not covering our costs, where that cost is going to come from; would it just come out of the General Fund. That was confirmed. He felt that the City would then be subsidizing this business opportunity.

Director Costello stated it's not unusual for us to do that, to have a reduced fee for licenses; we don't recover our costs on everything. Council Member Dennis asked if she could give some examples of that, and she replied no, because she didn't know what the fees were for everything. It's nice if we can recover fees on things, but rental inspections is probably one where we never get our cost recovery; there's so much legwork just on the application process, the approval process, as well as the inspections.

Director Koerner stated the police backgrounds that we do on all of the massage licenses doesn't cover the time spent.

Council Member Thiede stated when we first discussed this, it didn't click with things like Strawberry Fest and other events where we might have somebody who's doing a single event and they're also supporting the event. There was a lot of heartburn with Strawberry Fest and obviously we waived the fees this year, but even going into next year, we're losing some of those vendors. This year we had quite a good year with Strawberry Fest, but the weather was good. He thought if it's somebody that is in an

event, there's still a certain fee, but if that's the only event in which they're going to participate, potentially we could have a lower fee. If they decide then they're going to participate in another event, then it gets to a point where maybe they're better off just paying the one-time fee for the whole year. If they're going to be doing multiple events, it's better off for them to buy the annual; if it's a one-time event, maybe we should charge a lower fee, maybe half.

City Attorney Korine Land stated we'd discussed if we should do a per time fee; the problem is just enforcement monitoring, who's got the one-time fee, who's got the annual fee. It's difficult to keep track of everything. In addition, we're doing away with the Special Event Permit; we're recommending that be removed so those events will have to apply for a Special Event Permit. So, if Strawberry Fest requires its vendors to sign up and pay a fee for participating in Strawberry Fest, that would be the only fee they would have to pay. If they have to pay for the City license, that would be an additional license fee.

Council Member Olsen stated that the Special Event Permit actually would have provided us with a way to delineate between a one-time user or a two-time user versus being able to have a food truck in the City based on the $250 fee paid; it makes things a little more challenging. When you think about our County park system or fishing licenses, you have options as a consumer. If you want to buy a fishing license because you're going camping one weekend of the year, you can buy a short-term fishing license. If you want to enjoy a County park, you can buy a one-time park permit versus the other permit that lets people enjoy the County parks all year. He doesn't know from a management or execution perspective at City Hall if that's something that we could do effectively. We could tell a potential user if they're only going to be participating once, there is a one-time fee that's paid and you get your temporary permit; if they want to use it all year, you get a different permit, which will cost $250. He didn't know how difficult that would be to manage, but it would be a way to enable people who want to take part in an event like Strawberry Fest or the VFW's food truck event each year to pay for a short-term license from the City of Cottage Grove at a reduced rate.

Mayor Bailey stated we keep coming back to this food truck issue, so he'd personally prefer that if we just said if you want to operate in the City for the entire year, it's $250. If you want a one-day permit, it's a reduced rate, like $50. If they want additional days, it's another $50. So, if it's Strawberry Fest and they'll be there for three days, from a vendor standpoint it would be $150 versus $250. That way if a homeowner wants to have a food truck come to their home for a graduation party, it would be a $50 one-time fee for that one day. He assumed we'd have some type of an Excel spreadsheet that would say here are the yearly permits, like Northwoods Smokehouse. We could break it down to a fee per day and then have the $250 option for those that want to be in the City for the year.

City Clerk Tamara Anderson asked if they'd want that going to Council every single time; Mayor Bailey replied no. Anderson asked if annuals would go to Council; she was told no. Mayor Bailey stated he thought this would help, and Council Member Olsen agreed.

Council Member Dennis stated he thought $50 was a fair amount for a daily application, but it really positively reinforces the value to get the $250 permit. He thought that was reasonable to do and he'd support that.

Council Member Thiede stated he thought that was a good idea. Most of the vendors are just on Friday and Saturday, so he thought we could make that work. Planner Schmitz stated it would be $50 a day for a short-term permit and $250 if you want an annual permit, and we should make it administrative.

Director Costello asked Attorney Land to please clarify that all licenses need to go to Council. Attorney Land stated we can delegate; for those that meet the qualifications, the City Clerk has the discretion as we don't do background checks on food vendors. They just turn in their application and know the rules, so she thought we could write in language that that can be an administrative approval if Council is comfortable with that. Mayor Bailey stated he was comfortable with that, as did Council Member Thiede and Council Member Olsen. Director Costello stated this way it could be approved much more quickly, although we'd still like the application in advance because we need to get the inspection done.

Council Member Olsen asked Clerk Anderson if she'd be comfortable with that. Clerk Anderson stated she was but wanted to clarify something: If she had a food truck that wanted to work Strawberry Fest and bought a permit for two days, $100, but then changed their mind and wanted an annual permit, she asked if she could use that $100 towards the $250 annual fee.

Council Member Thiede stated no.

Council Member Khambata asked what happens if somebody buys three $50 permits; we ate the initial cost of this the first time, but it's obvious that you're going to be here more than once, so you should get the annual permit on which we'd recoup our costs. If they paid $50, that doesn't even cover the time for whoever is going to do the inspection of their unit.

Mayor Bailey stated that's a good point, and he might agree with Council Member Thiede on that. They have a choice to make on which permit they want.

Council Member Khambata stated there should be a one-day permit, and if they're going to get another permit, we should encourage them to get the annual permit because there's no discount. If the real cost to the City of the permit is $250, in all it cost the City $1,000, and we only got our $250 from them. He didn't think it was a smart move. From a labor and resources standpoint, it's just going to bog down the staff.

Mayor Bailey stated we keep coming back to this. The only thing he asked of staff is if it becomes an issue, staff just has to let us know if we need to revisit it. His thought is someone will come in and most likely they'll be here for two days and then will move on.

Council Member Olsen asked Clerk Anderson if she had a preference. Clerk Anderson stated she was very happy that Council is being flexible because vendors also have a lot of other fees that they incur, including their health license from the State and a permit fee from Washington County. She knows it will be very busy during events, like Strawberry Fest, the Hmong festival, or graduation parties, but she thought it might open up some opportunity to have different vendors come in for smaller events, too. She thought there might be a few vendors that are working in Cottage Grove

without a permit and waiting to get their hands slapped, so maybe they'll be willing to pay the $50 fee.

Council Member Thiede asked how Washington County handled those things, if it was per event or if it was annual. Clerk Anderson replied it was annual, and she thought Washington County's cost was approximately $130. Each city has a different fee for the vendors on top of that, so vendors have a lot of fees by the end of the year. Attorney Land stated she can adjust that, and we'll implement it; she thanked everyone for the good discussion.

Chapter 13 - Intoxicating CBD Product Retail License: Attorney Land stated we'd discuss a new ordinance that hit us by surprise. We did the moratorium as the legislature focused last minute shenanigans by slipping in the intoxicating CBD edible products. It was in the middle of the public health bill where it was really buried, and nobody even saw it until right before it actually went into effect. So, cities were scrambling on what to do; she appreciated that the Council was willing to have the moratorium to call a timeout on it because it's just out there and it's chaos. So, intoxicating CBD or edibles and beverages are available for sale today with very little oversight or regulation. Intoxicating CBD products are currently being sold anywhere, including gas stations, hair salons, chiropractic offices, gift shops, and massage therapy businesses because there's no State oversight. State regulations are very minimal; they talk about packaging and labeling. They're supposed to be packaged in child-resistant containers that are tamper evident, they must be in an opaque container, they have to indicate a serving size of 5 mg. per serving, and no more than 50 mg. for THC per package. She dared anyone to say they stop at one serving size, if anything, but they do have to label their packages that 5 mg. is only one serving. Products cannot look like a cartoon or anything that appeals to children. It came to be that they actually had to put that into the law because that means that these products typically do look like something that children want to eat. They can't look like an existing candy or snack. You have to be 21 to purchase it. Product cannot contain more than .3% THC, although we're not sure exactly what that means; is that per gummy, is that per package, what does .3% of THC per product mean? The law is not clear on that. The product cannot claim it has medicinal value unless that's been approved by the FDA. The Alcohol, Gambling, and Enforcement Division of the State of Minnesota has said affirmatively that intoxicating CBD edibles are not to be sold in liquor stores. There's been a lot of confusion about that as you will see them in liquor stores; the AG has confirmed that they are not endorsing that and have said it's illegal to sell them in liquor stores because it is a food, and you can't sell food in a liquor store if it's something that can go into the liquor.

Council Member Dennis noted meat sticks are not allowed to be sold; however, they can sell pickled vegetables and even fruit.

Attorney Land stated there has been a lot of talk amongst City Attorneys about what to do and how to help the cities get hold of this and manage what the legislature did without any regulations. She was on the committee of the Minnesota City Attorney Association on the legislative policy, trying to develop the legislative policies to tell the legislature how they need to fix this. Her guess is they will not get a complete fix this next session because it took them years to figure out how to do medical marijuana, and

they did that well. It surprised her that they unrolled this so quickly, under the radar, and with so few regulations. The legislative policy that we're going to convey to the legislators is we need State regulatory framework for licensing inspections and enforcement because there is none on any of this. We need testing requirements because there are none on any of those things. We need reporting and enforcement structures because there's no enforcement or penalties in the law. With the lack of State oversight, most cities have chosen to somehow regulate this industry through licensing and through zoning. So, that's what we're recommending.

She introduced an ordinance in Stillwater, which they've already adopted, which is similar to this but it's not the same. Cottage Grove and Hastings are considering it; West St. Paul has a different take on it right now, but they're also looking at some legislation. Most cities are looking at licensing first. She's suggesting a license ordinance, which can be tweaked and modified, but she needs Council's reaction to some of these ideas. She also met with Public Safety to get their take on it because from her perspective, this is more a public safety issue than anything else because these products are so chaotic and unregulated. We don't know what's out there, but we do know that people are selling illegal products. We have no way of testing them and have very little enforcement ability. Her suggestion is we try to control the environment for the moment until we can figure out what it all is. She recommends starting small and if things are fine, we can expand later. If you start just letting these products go everywhere it's harder to get a lid on it later.

Recommendation: We would allow four licenses in the City when we tie them to a tobacco license or an exclusive CBD shop, so we can better monitor who's selling it and how they're selling it. They will hopefully take ownership in the fact that they have one of the few coveted licenses in town, which means that they would do it right and legally. So, tobacco stores are familiar as they know how to card people, as they already have an audience that has to be over 21 in order to sell them their products. We have only four tobacco stores that are licensed today, which is why we picked four. It is a local mandate that we have to enforce this, but it's an unfunded mandate; we're footing the bill for the cost of enforcement and for compliance checks, making sure that they're doing it right. We need to be mindful of our limited resources when we do that. Our license ordinance, which you heard about in the spring, is very robust, and they would have to follow that licensing process with background checks. In addition, licenses are not transferable; so, if a business is sold, the new owner does not automatically get that license. Performance Standards: No product can contain more than 0.3% THC, as that's what's currently in the State Statute. If the legislature eventually flips to recreational marijuana, we can say our ordinance only allows 0.3% THC, so you can't sell recreational marijuana in our City until we figure out where we want it and how we want it. You can slowly unroll that without it automatically just being dumped on your community.

- Require customers to show proof of ID when it is purchased.
- Require signage in the business that no one under age 21 would be admitted into that business. If you just allow it anywhere, like at a gas station, you can't require age 21 and over to enter.
- No product delivery allowed.

- No sampling on site.
- No internet sales.
- No mobile sales, so it wouldn't be allowed at festivals.
- No door-to-door sales or sales at a Farmers Market because we could not control who the end purchaser would be.
- Distance requirements between stores, schools, daycares, parks, and playgrounds. Most cities are choosing 1,000 feet, if not more, from schools, daycares, parks, and playgrounds.
- Retail location only, so wherever retail is allowed is where it would be allowed. We're thinking it's commercial because that's where tobacco stores are allowed. If Council feels differently about this, we can have that discussion.

Council Member Thiede asked if the existing four stores meet these requirements. Attorney Land replied no, they don't. Currently, there are four stores with a license, although one has not yet opened; all would be legal nonconforming. Whatever regulations we adopt, even if these four apply, we would grant their licenses and they would be legal nonconforming. We wouldn't deny their licenses because they can't meet these distances because these weren't in place when they started their business. So, they'd all be legal conforming. They could continue to operate but they could not expand. So, the Cottage Grove Smoke Shop is only 500 feet from the ALC, which is pretty close; so, even at 500 feet, it will not be able to comply. You don't have to use all of these, like parks or playgrounds; you could eliminate one of those categories if you felt like you didn't need to protect that. Certain populations need protection, particularly schools, but maybe you don't feel as strongly about parks and playgrounds or daycares. The chances of a three-year-old running into a CBD shop is probably pretty slim, but the chances of a high school student doing it are much higher. Council can weigh your factors on which of the uses are more important, and we could eliminate some of the distance issues.

Attorney Land displayed the B-1 District and starred those that would actually be in complete compliance, whether it's a 500, 1,000, or 2,000-foot perimeter. In the B-2 District, near Walmart and across Highway 61, there were maybe a couple spots within that bubble that would work. These are not ideal locations but it's possible. The point of these maps is to show that it's possible to locate a shop and be legal conforming in the community and meet the distance requirements. She reviewed each of the Business Districts and potential sites available: B-2 District, Old Cottage Grove: Nothing could probably be located there because the two parks are too close. In the Manning Avenue and Point Douglas area, again it's too close to the park. It could be fit into one spot on East Point Douglas Road. B-3 District: Maybe the back of that property is far enough away from the park, but it seems that there's just too many parks close to that area. Mixed Use District: Maybe has a couple spots where it could fit, tightly, and meet the perimeter requirements. Planned Business District: Probably one spot where we could kind of tuck it into that area without being too close to Hamlet Park.

Attorney Land asked the following: Are the number of licenses right? Do you want to tie tobacco and CBD as exclusive CBD stores? What are the distance requirements?

What should be the fee for this license? We'll go through each of those separately so you can vet any issues.

- *Are four licenses right based on the fact that we have four tobacco shops? Do you want to tie CBD shops to tobacco shops?*

Council Member Olsen stated he thought we all agreed that the legislature has a lot of work to do on this, and that's work that needs to be done soon. Up until that point, we're stuck having to manage this. He previously sent an email to Mayor Bailey and Attorney Land and Administrator Levitt about the framework that the City of Woodbury laid out. Their City Attorney really tried to take a more stringent, restrictive approach as it's easier to do it that way and then perhaps loosen the strings later. They had some things in their ordinance language that he liked: 1) They took the issue of compliance checks off the table by including administrative compliance checks. So, it doesn't have to be law enforcement, as administration can also do those. 2) They acknowledged that the marketplace is the marketplace. Our Council is made up of businessmen, so one thing we try to do is ask ourselves, from a business perspective, what's fair? Each business owner has to make a determination on whether or not they want to carry any line of product, as shelf space is valuable. Four correlates to the number of exclusive tobacco shops; one concern of Public Safety was these things will require compliance checks. That seems to be the guiding principle behind some of this information; he argued that's not the right guiding principle. He felt the guiding principle is we need to be fair to the business operators in the City of Cottage Grove with respect to their ability to actually do business the way that they choose. If they want to carry CBD products, there needs to be a regulatory framework in place that guides whether they truly can. There may be other local businesses that sell cigarettes or liquor, and we don't limit the number of people who can sell either one of those, but he understands CBD can't be sold at a liquor store. From his point of view, we need to be aware of the fact that there might be local people who are going to want to sell this product, and they'll need to meet some very stringent requirements in order to do so. He didn't think we can just set the number to four, five, or ten; he thought that's arbitrary, and he wants to be fair.

Attorney Land stated that's a really important point, but it's based on being able to control how many places that law enforcement has to touch and we have to enforce. So, it's not arbitrary.

Council Member Olsen disagreed, stating we can control more than four.

Attorney Land stated we can't because every gift shop in town, anybody who owns a home business could be selling these products and we would not know. We would say, sure, you have to get a license, but we would not know. There's no way for us to be able to monitor all of the places, all of the retail businesses in town.

Council Member Olsen asked if we pick four, what will stop the home business from breaking the law? Attorney Land stated they have to be an exclusive tobacco shop or an exclusive CBD shop. Council Member Olsen told Attorney Land she'd just said we have no way of knowing; we're still not going to know if somebody is selling it out of their basement unless they are licensed. To be fair, he thought we would encourage people to get a license. He didn't think we should be picking and choosing who gets to sell CBD; we have to be reasonable about it. So, if the number is four or ten or thirty, the risk still exists that anybody could try to break the law. Just like anybody who

breaks the law, we're going to have to enforce the law. If you want to be a business that carries CBD, then there have to be stringent requirements in place. We talked about distance, which could be a factor that would disqualify a business. We talked about other factors that could disqualify a business from even being able to get in line for a license, but at this point, he didn't think it's fair to say it's only tobacco shops or exclusive CBD shops. He didn't think that's the way business is supposed to work. We don't do that with tobacco and liquor, so we're being inconsistent in the way that we're applying the law. Obviously, the State blew it, they need to fix it, and hopefully they will next year so we can all operate under the same umbrella. At this stage of the game, he thought there needed to be a recognition that if you put four licenses out there, there will be a lot of arguing about if a person does or does not qualify for a license. If we say you need to have a tobacco license in order to do this, how many people have tobacco licenses in the City? Attorney Land stated it's an exclusive tobacco license. Council Member Olsen stated that means Cub Foods and Hy-Vee are going to ask what about us, as they've been doing it with beer and liquor for years. They'll be asking why they can't carry CBD. Council Member Olsen stated he recalled that Woodbury didn't put a limit on their number of licenses, so that's why he's thinking that might be a little bit arbitrary on our part. He was curious what the rest of the Council thought about that.

Council Member Thiede stated that he's more in favor of limiting it, to be more restrictive to begin with; we can always adjust it if we get a lot of feedback on it. He would definitely say at the absolute very least he'd rather not add to the burden of compliance checks, having to do different stores. Ultimately, he'd see a prerequisite as at least having to have a tobacco license, someplace we already check anyway. Right now, with the popularity of it, he'd rather be more restrictive and see what happens; we could always loosen that if we feel that we're getting way too much negative feedback from it.

Council Member Dennis stated this is an interesting one for him to weigh in on because he happens to be probably the only license holder in this room that goes through a process we currently have in place. He reminded people that a license is a privilege, not a right or a guarantee. You have to meet the requirements of the issuing body and stay in good standing in order to continue to have the benefit of that license. Because he's not in the firewood, meaning that his business is not selected to sell this, he's actually grateful for that because he can speak freely and truly. He can do that calmly and without emotion, and he has no prejudice relative to seeking a fair and equitable outcome. When he got the Council packet last Friday and he saw what had been indicated by staff as a recommendation, he applied a process that he's seen our staff use, which is called the SWOT Analysis, Strengths, Weaknesses, Opportunities, Threats. He stated it's an internal process used by organizations to seek the cause and effect relative to decisions that might be made and how it might turn out. He took a 30,000-foot look at this, over the top, didn't get down to the granular level on any single point, but just looked at the core of the philosophy that could be used to map out a program that would hopefully be fair and equitable to people. He thought that was the biggest key. There were four areas that he identified on what the City could choose to do, that we have the purview to do, if we want to: 1) Simply do nothing: Nobody says we have to adopt a program or let any of this activity occur. Attorney Land talked about

the issue of control; thinking about the SWOT Analysis from a staff perspective, do we have the horsepower to get out and add an additional number of businesses, four or more, into the matrix where we have to provide the service and do compliance checks. Do we have the ability to do that? He Googled what percentage of Americans use CBD or cannabis, and that percentage was 18%. So, there would be some people unhappy about the fact that they could not purchase that product here. We have to weigh one against the other. 2) Open market: That would be to put a minimally invasive platform out here, and let the people of the community, by virtue of how they spend their money, determine what the community will support. It was mentioned that I own a liquor store; historically, we had a cap on the number of licenses, 1 per 7,500 individuals. About 13-or-14 years ago, for reasons he still doesn't know, the Council and staff decided to take that cap limit off and just open it up. So, at the high point, he thought we had 6 licenses, and we now have 5; so, the market found the place of equilibrium, which is where it stands at 5, that's what it can support. That's not to say another business couldn't open because there's no cap, but if it does, as business operators know, it's going to take away sales from the other stores. The question ultimately comes down to is there enough to support everybody; he doesn't know the answer to that. 3) Take the staff recommendation and cap it at 4 licenses: Like Council Member Olsen said, it's a difficult thing at face value to consider manipulating a market and do it in such a way that it's not going to be fairly applied to all. So, if we limit the number of licenses, the threat could be that there might be other investors that want to come in. For the staff team, it makes it a lot easier for people to be able to get their arms around this program and manage it. 4) This was actually born out of the third recommendation, the staff recommendation, and it really came down to the issue of equity and fairness. When you look at the licenses that we have available for alcohol, tobacco, and now CBD, what happens is everybody who is in the realm of selling age-restricted merchandise to the public falls under virtually the exact same set of rules and laws, things that we have to do: Distance, age restrictions, days, times, location, etc. All of that comes into play. The question is how do we orchestrate and do four licenses and build, in essence, what is a protection or an advantage relative to those businesses that have it. The license isn't for sale, but the business is, and the business can't exist without a license. Therefore, knowing how a business would be marketed and sold, there is going to be an intrinsic value built in. If Mayor Bailey wants to buy one of the four existing stores, he's going to arrive at a price with them, and if he doesn't have the money to pay, he's not going to own it. There's a value to it, there simply is. The bottom line is do you limit it at four. We're doing it on the basis of saying that those are the individuals who are here as investors. Do you also apply that, then, to I don't know how many places we have selling tobacco; what's the number, 20? Director Koerner replied it's less than 20. Council Member Dennis stated we have five dedicated liquor stores; so, do we treat everyone equally and fairly across the board? That's the question we have to look at is how do we operate fairly and equitably for all investors that are here. Again, he's grateful that he's not in the mix of selling that. Those are his thoughts. This is one of those things where we're not going to make everybody happy, that's just not going to happen. We ultimately have to decide what can we come up with as a plan that's fair and equitable that we can live with in good faith.

Council Member Olsen stated let's say that he wanted to open a liquor store in town. It's not just about if he can qualify for the license to open a liquor store, there's also other regulatory framework that would either enable or prevent him from being able to do so, like distance from another operator, a 1,000-foot radius. He stated there are other variables that come into play, and that's what he was trying to say about this. We can still manage the number of licenses without saying that it's four, five, or ten. But we manage it through our regulatory framework. Then if those who desire to carry this product are simply unable to do so because their business doesn't meet the other variables, then he thought that was fair. They still have a shot as long as they can meet all those other criteria, which is also fair.

Council Member Khambata stated to Council Member Olsen's point of limiting the number, he thought just limiting depending on what we choose for a minimum distance from a park, a school, or another similar retail business, we're going to limit ourselves to two-or-three nodes in Cottage Grove where a new business would be able to open. The potential proprietors of those new businesses are going to be pretty frustrated that the others exist in areas that wouldn't otherwise be allowed. He understood they're an existing business, they're already selling tobacco, they're already geared up for doing this, and he thought they were already all selling it. If they were to sell that business, the new license isn't going to get them that spot; so, that's one way to make it fairer and equitable moving forward. Eventually, those shops would fall off the radar and move to those other nodes where the restrictions would allow them to operate or until the State has a more uniform set of standards. In terms of the four licenses, he stated he respectfully disagrees with Council Member Olsen. We regulate other uses within the City that are limited for various reasons, including public nuisance: We don't park semitrailers on East Point Douglas Road, mechanic shops are limited, noise and light pollution are limited, and various types of outdoor storage are limited to certain areas. By limiting it to certain areas, we're ultimately limiting the number of those types of businesses that can exist. He specifically remembered when he was on the Planning Commission that we declined an Interim Conditional Use Permit on semitrailer storage; again, further limiting that type of business within our City. So, could somebody apply for a variance or apply for rezoning if they were hellbent on having a business in a certain location? They certainly could.

Council Member Olsen stated so Council Member Khambata agrees with the legal nonconforming use.

Council Member Khambata stated he agrees with the legal nonconforming use because it doesn't transfer. So, if that business leaves town, that type of business will no longer exist in that place where it isn't otherwise allowed. Currently, there are four businesses that would be able to sell CBD, but he doesn't just outright disagree with limiting it to four because we limit other types of businesses, too, without losing any sleep at night. He thought knowing that we're ultimately going to be expanding it in the next couple of years, he thought that's a worthwhile tradeoff because you can't put the genie back in the bottle. If we have four, and it becomes clear that it's a public nuisance and it's hard to control, then we're going to decide that maybe we don't want more.

Council Member Olsen asked Council Member Khambata how those businesses are limited; Council Member Khambata stated they're limited through the other zoning

standards, which haven't been set yet. For now, we currently have a moratorium on it, and somebody could argue we're limiting their ability to conduct business, that's not fair. We need time to find out what kind of public nuisance this is going to be for the City, and what staffing requirements will be involved for Public Safety. Indefinitely, he'd be against limiting the number of licenses to four, but for the next 6-to-12 months, while we and the State figure out what this means in terms of operating cost for the City, he'd be okay with it.

Council Member Olsen asked why we just don't leave the moratorium in place until we know; Council Member Khambata stated he's okay with doing that.

Council Member Khambata stated that gets him to his next point, which is what is the City's mandate here? Why are we even talking about this? He thought it comes down to the City's obligation to provide Public Safety; outside of that, he thought making sure that they're not selling it to kids and people aren't getting sick from this product is kind of where our interest in it starts and ends.

Council Member Thiede asked if the moratorium had a time limit. Attorney Land replied yes, it's 12 months. The problem with the moratorium is it allows any existing business to continue to exist, and we don't know where they are. We've done some inventory, but we can't possibly have visited every single business in town to know who's selling it and who's not.

Council Member Thiede asked if we're able to extend a moratorium; Attorney Land replied no, 12 months is the maximum moratorium by State law. Council Member Thiede stated if we wanted more time, this is the way we'd have to do it. Ultimately, by initially keeping it more restrictive, we can see how many people think it's an issue.

Council Member Olsen asked when our 12 months was up. Attorney Land replied that would be in August 2023. Council Member Olsen stated the legislature goes back in session early next year. Council Member Thiede stated we're not guaranteed they'll do anything. Council Member Olsen stated if our moratorium is in effect until August, we don't have to make this decision today.

Attorney Land stated another option to limit this is instead of putting a cap on the number of licenses, Woodbury has a very high license fee. So, that might be self limiting because smaller businesses just can't afford a $10,200 license fee on top of their other license. So, that might be a way to compromise; remove the number of licenses, remove tying it to a tobacco shop, and just have a fee that would accommodate Public Safety's increased expenses for compliance checks.

Council Member Khambata stated we could just make no exceptions on the proximity to a school or park, as that limits it, so we're creating two-or-three areas in the City where somebody would have to move if they wanted to operate. That would also be self limiting.

Mayor Bailey asked Attorney Land if somebody could ask for a variance. Attorney Land replied no, as we're putting this in the licensing section, so they can't get a variance for that. However, they would be considered legal nonconforming because they existed before we had those regulations in place. Mayor Bailey stated that would be for the ones that are already here, which Attorney Land confirmed. She stated if we were to open it up like Woodbury did, they basically allowed anyone to sell it in their Business Districts. They also have a lot of rules around how to sell it, which she didn't

put in here because it's an exclusive store, so you don't have to have it behind the counter, you don't have to have the customer always getting it directly from the seller. We didn't have to have any of those regulations.

Council Member Olsen stated Woodbury has the CBD has to be behind the counter; Attorney Land replied that's correct because they allowed anyone to sell it. If we allowed it only in an exclusive store, we don't have to worry about that because it's already somebody who has to be age 21 already in order to enter. So, we could pack all of that stuff back in it, but then put a higher license fee on it, which is going to automatically reduce the number of people who have the ability to apply for that license. So, that's also an option on the table.

Council Member Thiede stated so then it could only be large stores that could afford it, which Attorney Land confirmed.

Council Member Khambata stated that would eliminate anyone who was going to sell it as like an ancillary item because it wouldn't be worth it; the potential for revenue recapture wouldn't warrant the cost of the license. Attorney Land agreed.

- *Do you like all of the categories, school, daycare, park, and playground?*

Council Member Thiede asked if those all exist now. Attorney Land replied no, she's just suggesting them; she put it in the Code now, but you don't have to have playgrounds or daycares. Council Member Thiede asked what we currently have for tobacco or liquor. Attorney Land stated only on-sale liquor has churches and schools; they're the only ones that have the distance requirement. Off-sale liquor is the distance between stores. So, we're still recommending 1,000 feet between stores so they're not all clustered together. Council Member Thiede stated he'd tie it to the current situations we have now for tobacco and liquor.

Mayor Bailey confirmed there isn't any distance requirement right now for tobacco. Attorney Land stated it would just be schools; should we forget daycares, parks, and playgrounds and just keep them away from schools?

Council Member Olsen stated the daycares resonate with him, but he could go either way. He thought the schools, parks, and playgrounds is probably good language. Council Member Thiede asked if we should change our others to include that language, too. Attorney Land replied they're just very different.

Council Member Khambata stated with the daycares, he didn't think a lot of five-year-olds would be going over to the dispensary. Mayor Bailey stated he agreed. Council Member Khambata stated he thought with the parks and playgrounds, those inherently attract younger, more impressionable, potentially unsupervised kids; he thought having that close proximity is asking for issues to surface.

Council Member Thiede stated that would be true for liquor stores, too. Attorney Land stated that distance is just between stores, so it doesn't have anything to do with schools, parks, or playgrounds. It's just on-sale liquor has the 300 feet, which are the bars. Attorney Land asked what the distance in feet should be; Council Member Olsen stated he liked 1,000 feet as 500 feet is pretty close. Council Member Khambata stated that feels like a pretty healthy buffer.

- *What should the fee be for this license?*

Attorney Land stated many cities are going anywhere from the tobacco fee to the on-sale liquor license fee or somewhere in between. She stated Woodbury and Coon

Rapids are at the high end, which might be intentional and strategic on their part to limit the number by virtue of the fact that not everybody can afford it.

Council Member Khambata stated they drafted their ordinances pretty much immediately after it was passed by the legislature. Most cities put a moratorium in place until they could vet it. Every city ordinance looks different, but some took their tobacco regulations and tucked them in here because it felt right.

Council Member Olsen asked how many cities Attorney Land was aware of, other than Woodbury, whose ordinance stipulates that the product has to be sold behind the counter; she said she'd say all of them. Council Member Olsen stated he agreed with that because that will mandate that staff are checking IDs. They're already doing it for liquor and tobacco, so it would give us another layer of protection.

Council Member Thiede agreed and said we should follow the same rules as cigarettes and liquor, unless it's an exclusive type of venue where only those 21 and over can enter.

Council Member Olsen agreed, and stated he wasn't at all uncomfortable with the elevated license fee. If you want to play the game, you have to pay to play the game. That's a cost-benefit decision that every business owner/operator is going to have to make. The potential is there for very robust sales, and it might be that they determine the juice is worth the squeeze. He stated he'd be comfortable following the same guidance that Woodbury is giving us in terms of the fee.

Council Member Khambata asked if anyone was aware of how many vendors went ahead and paid Woodbury's fee. Attorney Land stated she didn't know, as they might be taking applications yet; these ordinances are fresh, within the last 30 days, so she doesn't know if any city has approved any licenses yet.

Mayor Bailey stated his recommendation is we make this fee the same as our on-sale liquor license fee. Attorney Land stated we could, but then we're going to get all of the businesses that couldn't afford Woodbury. Mayor Bailey asked her if she thought there were that many people between $6,000 and $10,200; she replied it might matter.

Council Member Khambata stated other communities have an overabundance of liquor stores or other business uses because their neighbors have all zoned them out.

Council Member Olsen stated that's a true statement, which is why he's been advocating for mirroring to the best of our ability the ordinance that Woodbury passed; otherwise, we're going to create a situation where we become the preferred destination.

Director Koerner stated Administrator Levitt asked for clarification: It's 1,000 feet from schools; he asked if that includes parks, too. Attorney Land replied yes, schools, parks, and playgrounds, just not daycares.

Attorney Land stated we can have an ordinance that's extremely similar, not identical, to Woodbury's, including the fee. Mayor Bailey stated we should just do that.

Council Member Khambata stated the risk here is the blowback is going to be people who are already selling it are going to decide that they don't want to sell it anymore because they don't net $10,200 a year in revenue from it. Council Member Dennis stated yes, they do. Council Member Khambata stated the gas stations and the little businesses won't. Council Member Dennis stated the gas stations won't get that license because they're not exclusive.

Council Member Thiede asked if Woodbury's ordinance says their sites have to be exclusive. Council Member Khambata stated it's just anyone who wants to sell it in a retail area. Council Member Olsen stated no, they haven't gone to that degree; they're making people carry it behind the counter, so if you're a business that can't do that, then you can't sell it.

Mayor Bailey stated he thought if we mirrored Woodbury the question would be if a gas station could sell CBD if the fee was $10,200; Council Member Khambata stated they might choose not to even if they were able to keep it behind the counter because there's not any gross revenue there, depending on what they project for volumes.

Mayor Bailey asked Attorney Land if we had our radius clauses in there, if Cub Foods wanted to sell CBD would they be allowed to sell CBD if we were to open it up to everyone? Attorney Land replied yes, if they followed all of our rules. Mayor Bailey asked what if they have alcohol; Attorney Land replied yes, as we don't have a restriction on selling more than one intoxicating product. Mayor Bailey asked if this was specific to liquor stores. Attorney Land replied yes, and that's a State regulation; the AGU has said that. Mayor Bailey asked what about Walmart? Attorney Land stated they couldn't sell it in their liquor store, but they could sell it in the grocery store. Council Member Khambata stated they have two separate entities, their liquor store and their grocery store.

Attorney Land stated the other factor is they can also sell this at on-sale liquor establishments, so they can serve intoxicating THC seltzer, beer, anything infused with THC at an on-sale establishment. This is the tricky part with the State law; it still has to be prepackaged and labeled, so they can't pour it for you. They could bring it to your table in the can or bottle, whatever it comes in, but on sale can sell THC products. So, they can be selling alcohol and THC at the same table unless you prohibit them. You can regulate that and say it cannot be sold at on-sale establishments.

Council Member Olsen stated he wasn't aware that that was in the law. Attorney Land stated that it's not in the law, that's the point. Council Member Olsen stated he'd have a hard time with that. Attorney Land stated they are marketing it to bars like crazy. Council Member Olsen stated we've had issues with a DUI because somebody was overserved at a liquor establishment, a bar or a bar and grill, and what would the penalties be to that establishment if they overserved somebody. It just seems like we'd be better off just limiting it.

Council Member Thiede stated those places should already be checking compliance and already have the rules in place. With these products, they'd have to make sure that the individuals were older than 21. Attorney Land stated from an age compliance, yes, absolutely. It's more of an under the influence factor when you think about these two products being at the same table at the same time in front of the same person. She didn't know what law enforcement is going to do about somebody that they stop, who has an open bottle of THC seltzer; where does that fit? Attorney Land stated it's not against the law.

Council Member Khambata stated there are no standards set on it either, so how do you test them for it. Attorney Land stated we can test for intoxication, it's still under the influence of a controlled substance, which is a violation of the law. But if somebody has it in their car, that's not a violation of the law, even if it's open and they're openly

drinking it. So, there's a lot of loopholes to this law, and a lot of them are still unknown; we're just sort of scratching the surface on things as we think of them. But that's the question of whether or not you want to allow the on-sale liquor because you can permit it or allow anything.

Council Member Thiede asked Director Koerner what he thought, as his department would have to regulate it and deal with those issues. Director Koerner stated he didn't want them to feel like we don't want to do the compliance checks, but there are so many challenges with this. Every chief in Washington County has a different opinion; our biggest fear is the way we have to do compliance checks. We already wanted to simplify those a little bit. How do we go into The Healing Place and do compliance checks; that's what we're looking at it. When we met with Attorney Land, Stillwater was looking at it, too, and they didn't want it to be downtown. The one that really scares him is the home businesses; we're already having issues with internet sales with illegal products as it is, so if we're allowing home businesses, he doesn't know how we would do compliance checks on those.

Council Member Olsen asked if that level of fee would preclude the majority of those home businesses from doing business. Director Koerner stated he thought there was money to be made if you don't have the storefront. Attorney Land stated Woodbury prohibited home-based businesses. Director Koerner stated Woodbury and Coon Rapids both have a $500 investigative background fee also; Director Koerner stated our fee is nowhere near that. We reduced our fee years ago with the liquor license from what it had been when they were using police services. Now when we do the liquor license renewals every year, there are only one or two calls at establishments, so it's not the same.

Council Member Olsen asked how Woodbury handles the on-sale liquor. Attorney Land stated they don't. Again, that came up with a discussion with another city, and everybody wasn't sure they wanted them to just carte blanche things. Council Member Olsen confirmed Woodbury prohibits the home-based businesses; Attorney Land replied yes, as well as internet sales and delivery.

Mayor Bailey asked the Council if we're good with the fee, matching Woodbury, and all Council Members agreed.

Mayor Bailey asked if we want to have staff come back with a mirror of Woodbury, though he didn't believe Woodbury limited their permits, which we could do. The only other thing he might add in for consideration was what we were just discussing; do we want this to be sold in on-sale establishments. Council Member Khambata stated he would prohibit that. Council Member Olsen stated he didn't think so, which might not be a popular opinion with some of our bar owners.

Attorney Land stated she'd discussed that with Director Koerner, who didn't think there were many bars that would even want to sell it; Director Koerner confirmed he didn't think most of them would. Council Member Khambata asked if that was due to the liability standpoint. Director Koerner stated he didn't see the corporate bars selling it at all.

Director Koerner noted Woodbury used 500 feet for daycares and schools. Council Member Olsen asked if they had daycares; Director Koerner replied licensed childcare, parks, playgrounds, and schools had to be 500 feet away. Attorney Land stated that's a

really short distance; most cities are doing 1,000 or 2,000 feet, so she was surprised Woodbury only did 500 feet. Council Member Olsen stated 1,000 feet feels right to him; if the rest of the Council wants to include licensed childcare centers in there, he could go either way.

Council Member Dennis asked Attorney Land when she looks at the percentage of cities that are doing 1,000 versus 2,000 feet, he asked what she thought of doing one over the other. Attorney Land stated 75% are doing the 1,000 or 2,000 feet, but Woodbury is an anomaly. Stillwater did 500 feet because of their specific Zoning District where they wanted to allow them and only in that Zoning District. There was a school located in that Zoning District so they had to jigger it so it would still be allowed there, but they zoned it to one Zoning District. Council Member Dennis asked Attorney Land how it broke down between 1,000 and 2,000 feet. She stated she didn't know, as she hadn't done that math. She's been trying to gauge where cities are going with it.

Council Member Khambata asked if we could add a stipulation that it needs to be zoned within an area that's zoned for retail; that would eliminate home businesses and anything like that. Attorney Land replied we would say no home businesses.

Council Member Olsen stated in the verbiage earlier she'd mentioned retail only. Attorney Land stated we would consider it a retail use; we could certainly put those words in here to make it very clear.

Mayor Bailey stated the only other question is if we want to add daycare; we'd removed it so asked if we want to add it back in. Council Member Khambata stated looking at that map, how would that significantly change the opportunity to conduct that type of business. Council Member Olsen stated he thought that's why Woodbury did the 500 feet because there are so many licensed daycares. Director Koerner stated Administrator Levitt stated she thinks we should keep daycares out because they're in the Business Districts, like KinderCare and Tutor Time. Council Member Olsen asked if Administrator Levitt liked the 1,000 feet; Director Koerner stated Coon Rapids is 1,000 feet also.

Mayor Bailey stated let's do 1,000 feet, and they have to sell it from behind the counter. Attorney Land stated she would put in all of the restrictions and the longer list of things that Woodbury has in it because if we're not going to have them in exclusive shops, you'd need those protections. Council Member Thiede stated those are essentially the same as cigarettes or tobacco, which Attorney Land confirmed. So, let's use that instead of doing it like Woodbury did. Council Member Thiede stated we're doing it because we're trying for it to be the same as the cigarettes.

Council Member Olsen stated he thinks the relevant factor here is that we're next-door neighbors, and we don't want to become a destination because we're doing something different.

Attorney Land stated she feels what she needs to do is rewrite this and bring it back or have Administrator Levitt distribute it to the Council so you can review it, and we can discuss it again. We have an optional date where we can meet again, and she thought this was maybe a reason why we should meet in a shorter period of time. She'll try to get it revised and get it out to the Council.

Council Member Dennis asked what was the consensus on the number of licenses; Attorney Land stated we're throwing that out, it will be open market, other than the

restrictions on the distances, which we'll limit somewhat. There will be legal nonconformities that will be allowed to come in, and the high fee might automatically reduce the number of them.
Council Member Khambata asked if there was a fee for operating without a license; Attorney Land replied that's a crime. Council Member Khambata stated it's a crime with no penalty; Attorney Land replied no, it's a misdemeanor with court, so they would be charged with a crime. Council Member Khambata asked if it was up to us to set that fee schedule; Attorney Land replied no, that's set by Washington County Court.

Council Member Olsen asked if we were also going to include something regarding the investigative fee; Attorney Land replied we can certainly revisit the fee schedule because the investigative fee for this or massage therapy includes the same amount of time. Council Member Olsen stated we should be consistent with respect to all of those. Attorney Land stated we may need to adjust it to make it actual cost recovery. Director Koerner stated liquor licenses are more in depth than massage licenses. Attorney Land stated we need to revisit the fee schedule anyway. Council Member Olsen stated we might as well discuss all of it.

Title 5 - Police Regulations

Chapter 5-1-4 - Catalytic Converters: Attorney Land stated there are a couple of ordinances that Council has not heard about before; they have been adopted by other communities in Dakota County and Washington County. She already pitched them to Director Koerner. We're going to talk about catalytic converters, which the League is also working on, to try to get them to fix the catalytic converter law. Right now, the State law requires scrap metal dealers to make records of purchases of catalytic converters. It's not a crime if you see somebody who has a trunkful of catalytic converters unless you catch them in the act of stealing it. So, our solution at the moment, until the legislature fixes the law, is to say that it's a crime to possess catalytic converters unless you can show your proof of purchase. She asked her auto mechanic about this ordinance idea, and he said he has a junk dealer who comes to his shop and buys all his catalytic converters; he writes down all of the cars that they came from and who removed it from the car because there's requirements in State Statute that you have to do if you're selling your catalytic converters to someone. So, the record can be made. Now we're going to say if you're a legitimate junk dealer and you want to buy catalytic converters from somebody, you will have your record. If you're a thief and you just have a trunkful and we stop you, it's a crime unless you can prove where you purchased them from. It's that simple. Hopefully, it will help law enforcement. Every once in a while, we get a guy with a trunkful of catalytic converters.

Council Member Thiede asked how the auto mechanic verifies where he got his catalytic converters. Attorney Land stated her auto mechanic is getting them from underneath these cars when he needs to replace them; so he's removing it and writes down the catalytic converter and vehicle so he has a record of it. Council Member Thiede asked if he writes down a V.I.N. number or something like that, too, the car he took it from. Attorney Land stated they're pretty detailed records, and yes, anybody can dummy up anything, but the thieves usually aren't that smart.

Chapter 5-1-5 - Third Party Gift Cards: Attorney Land stated there's another ordinance that's supposed to help with the credit card theft that leads to them buying gift cards with the stolen credit card. It happens a lot, and it's impossible to trace. So, the idea is if the thief has to show proof of ID when they purchase a gift card, if they're buying it with a credit card, they're not going to bother. They're not going to bother coming to Cottage Grove if we have an ordinance that says when Walmart sells a gift card, they have to have the buyer show proof of ID. You actually have to go to a cashier, you can't use self checkout, and if you're buying by credit card, the cashier will ask for your proof of ID, so you show your driver's license, and it shows your name and your name is on the credit card, too. It's that simple. It's just a matter of educating our retailers for those that sell these gift cards, this is how they're going to have to do it. The Retailers Association has put up a little bit of a stink, but not a huge stink because there are enough cities that are now doing this, and it has really greatly reduced these thefts. Shakopee started it, and they won an award from the League of Minnesota Cities because their investigations decreased by 90% on these kinds of thefts. It will take some educating, so we'll have to meet with the Chamber to get them to understand what we're trying to do; we're not trying to hurt anybody, especially our retailers, we're not trying to push more regulation on them, we're trying to help them. In West St. Paul, both Walmart and Target thanked us for trying to reduce the thefts they were seeing.

Special Event Permits Renamed: Attorney Land stated we're turning those into just Park Permits, which are administrative and do not have to come before the Council. There will no longer be public hearings for Special Event Permits for all of the special events. It's fun to be able to talk about them and promote them, but we won't have to do it with all of the red tape that goes along with it now. Now you can just talk about them because they're fun.

When she read the Special Event Permit Ordinance, and then tying it to the Park Permit process, she realized there isn't a Park Permit process. So, if Parks and Rec actually wants to deny somebody a Park Permit, it would be completely arbitrary, as there are no rules or regulations around when they could do that. If they wanted to revoke somebody who's being a nuisance in the park, there aren't any reasons or regulations around when they could do that. So, that's what this ordinance now does; it gives the Parks Department authority and teeth behind approving, denying, revoking Park Permits. We now have the ability to charge fees, so they have to refer things to Public Safety all the time; they were just doing it, and Public Safety would say we need to get some cost recovery, so they'd add fees, but there were no words in the book that gave them the authority to do it. So, that's what this ordinance is intended to do.

Council Member Olsen asked if removing the Special Event Permit process would save time for everybody, especially Public Safety. Attorney Land stated that could be an overwhelming request from the big how do we fix Special Events discussion; it was asked if we could just not have to do this. Director Koerner stated it's all a part of the job. Director Costello, Director Koerner, and Clerk Anderson all had to look at them, so this will save us all a lot of time.

Council Member Khambata asked about shouldering the administrative side of these; Attorney Land stated they do it anyway, that was the thing. We realized all we

did and had been codifying was what Park and Rec does today. She's just giving the authority to it.

Attorney Land stated that was Titles 1 through 9, and would like to see how far we can get tonight. Mayor Bailey stated we should just keep going.

Title 11 - Zoning Regulations

Attorney Land stated she'd recap the changes quickly. This is our current Zoning Ordinance; we had lots of categories and lots of special districts. The proposed Zoning Ordinance reduces the number of Zoning Districts, so our map looks a little cleaner and it's a little bit easier to interpret. She showed the two maps side by side. For uses that will become a different number or letter, they will be legal non-conforming; so, they will still have all of their rights that they had under the ordinances when they were born. The legal nonconformities would cease if they stopped doing that for a year or we destroyed the typical nonconforming language in the law. If they existed under a Planned Unit Development, or something that was adopted by resolution, that is legal conformance. They actually came in, got approval under the existing ordinances at the time, they have regulations that they have to live by; so, that gets to continue to live on. So, they are not legal nonconforming, they are legal conforming. Any land, district, or planned development overlay district all were adopted with a resolution that had three pages worth of conditions. That all continues to be, and that's legal conforming. People sometimes get an uncomfortable feeling that they're going to be called legal nonconforming and they'll never be able to sell their property. There are actually very few properties that will be officially legal nonconforming.

Residential Highlights: We combined the R-2.5 into the R-3. R-3 no longer allows multifamily housing, which is what Council requested. R-4 changed its name to Transitional District: Is now somewhere between low and high density, so it allows single family, but it also allows multifamily. We removed the R-2A through R-2F.

Business District: We removed the Neighborhood Business District. We cleaned up the use table, but didn't get rid of anything that was relevant.

Industrial District: We combined the I-1 and I-2, which is now just the I-1, and we combined the I-3 and I-5 into an I-2. I-3 is just Commercial Excavation. We cleaned up the use table, but didn't eliminate anything that was relevant.

Chapter 3, General Zoning Provisions - Section 7 Off Street Parking & Loading: The goal in parking was to simplify. First of all, the use table where it showed all of the uses and the map as to the number of parking spaces had a lot of terminology duplication, so we simplified some of the terms. Auto Repair had been broken into two categories, so now its just Auto Repair. Senior Citizen Housing was broken into about five different types of senior citizen housing; now it's just two, whether it's dependent living or independent living. Community Activities: There were lots of different things that could be thrown into that category so those are now all together. They have similar parking regulations. She displayed the old map on parking, where we used the gross floor area of the entire building; we looked at the entire building, regardless of how it was used within the four walls. The new map is we looked at the interior of the building and broke it down into the uses within the building. So, Cub Foods of course has the big giant

retail space, but they also have a big giant warehouse space. So, we broke down those uses into those different uses and used the map for each type of use. You don't need the same number of parking stalls for the warehouse that you do for the retail. It makes sense. For example, Walmart under the old map would need 889 stalls based on the gross floor area of the entire building. When you look at the retail space versus the storage space versus the clinic and the restaurant and break it down, it's now only 719 stalls that they need under the new map. So, it's a significant difference but it makes sense. We're not just trying to say there's too many feet of parking, we're actually putting some reasoning behind it. G-Will Liquors was used as an example because we had the square footage of their store; if you look at the gross floor area, it indicated they needed 63 stalls on the old map. However, on the new map they only need 34 stalls, which is a significant difference because they have a giant storage space.

Council Member Olsen stated with these changes, that will obviously result in changes to impervious surface for new businesses; he asked if that was correct. Senior Planner Mike Mrosla stated the impervious surface will be reduced, which will just put more thought behind the parking counts; when you look at the gross square footage of a building, you're overestimating parking sites. You're using areas that don't need retail. We're scaling it back to the uses inside the building. G-Will, for example, they have a walk-in cooler, but you don't need to count that space as retail; the same thing with all of their coolers, you don't need to count that towards their customer parking area because people aren't in there. Council Member Olsen stated that will also have a positive effect on our relationship with the Metropolitan Council as it relates to holding ponds, etc., and there's a lot of ancillary benefit to this. In the past, sometimes we've been going too small, like the Walgreens area and Caribou area and not having enough parking and/or enough space for maneuverability. He hoped that is also part of this conversation; it's not just about how many parking spaces are available, but if there are multiple vehicles trying to move around in the parking lot at the same time, we need space for that as well. Planner Schmitz stated a lot of that is on the Site Plan. Council Member Olsen stated he loved the idea of less impervious surface, thought it was awesome.

Council Member Khambata asked about a multitenant building where the use could potentially change. Planner Schmitz stated with shopping centers, we're going to use the same formula which is based on the tenants and the uses and their space, but it's not going to be perfect. It's going to be perfect on the day they built their shopping center, but we know tenants don't own their space and they change over time. Permitted uses can come and go, and we never even know they're there. An existing parking lot is not going to get any bigger. So, when we have new shopping centers come in, we'll leave some flexibility to provide proof of parking so that we can require them to expand the parking lot if needed should the uses change significantly. We'll try to put a condition of approval in there that says this is the number of parking spaces you need today, but if we find it's a problem, we're going to make you build improved parking. That's about the best we can do.

Planner Mrosla stated we've discussed an existing multitenant retail building where a restaurant goes in; that's going to take away from the retail parking. Council Member Dennis stated that creates challenges at times.

Mayor Bailey asked regarding Almar Village, before Carbone's, when Carbone's came in to get a building permit, would we be able to do this with the parking. Planner Schmitz replied no, because it's a building permit, which has nothing to do with the Site Plan. Mayor Bailey stated the use would be changing, though; Planner Schmitz stated it was a permitted use. Council Member Dennis stated the proof of parking was for one year. At that time, it was 22 spaces according to the formulas that were used. Mayor Bailey stated they were told if there was an issue, they had to add parking within a year. Mayor Bailey stated in the future, we don't have to put a sunset date on something like that; Planner Schmitz stated that's correct, and we would use this language, require proof of parking, and leave it open ended if we ever determine it's needed. Mayor Bailey confirmed we could force them to add the parking.

Chapter 6, Performance Standards - Section 7 - Architectural Design Standards: Attorney Land stated we mostly deal with Class I and 2 materials in the Business District. Staff added a couple of things, but for the most part, this is what we have today. Architectural Design: We don't have any requirements in single family. Multifamily and Mixed Use: We have 65% of the building has to be Class I or 2 materials, and they have to use three types of Class 1. Business District: They have to use 65% of Class 1 or 2; again, they must use three types of materials. The only difference is the Planned Business District can use the industrial standards. Industrial District: They get a little bit of special treatment if they use 65% of Class 1 or 2, they must use three types of Class 1 or 2, and for industrial uses only, they can actually use the precast concrete panels, which are a Class 3.

Chapter 6, Performance Standards - Section 8 - Landscaping: This has changed. Right now, on single family lots that are 55 feet or less, there was a lot of pushback that we were requiring too many trees as we required 4 yard trees and 1 boulevard tree. Now we're saying 2 yard trees and 1 boulevard tree. For greater than 55-foot lots, we require 4 yard trees and 1 boulevard tree, and now we're saying 3 yard trees and 1 boulevard tree. So, it's going from 5 to 3 and 5 to 4. Rear lots abutting a major road, like 70th Street, right now we require a 75-foot buffer, which is a lot. We understand it looks awesome, but we have to able to justify we have such a large buffer; if there are reasons to justify it, that's great. We felt like we needed to be a little more reasonable and so 50 feet felt a little more reasonable because you're taking space on which the developer could add lots. So, 50 feet felt safer and sometimes roads wander; so, we don't want to say every one has to be a 50-foot line, so it's a 50-foot buffer on average but a 30-foot minimum. No location within that area could be smaller than 30 feet.

Council Member Khambata asked how roadway easements are factored into that for future expansion. He was told it is not an easement; it is owned either by the HOA or the property owner. Council Member Khambata stated on 100th Street they're eventually going to widen it. He asked where does that line start, is it at the edge of the Right-of-Way; that was confirmed. Council Member Khambata stated then the future expansion is already factored in because presumably the County or the City will have an appropriate Right-of-Way. He was informed the buffer doesn't count as Right-of-Way. So, the buffer would begin at the roadway into the lot.

Director Koerner stated Administrator Levitt wanted to remind everyone that stormwater ponds are typically in the buffer zone.

Chapter 6 - Performance Standards - Section 9 - Tree Preservation: Director Costello stated typically we require a tree inventory of what we call qualifying trees; the only change we're making to that definition is a diseased tree is clearly not a qualifying tree because it should probably come out anyway. Planner Schmitz stated a diseased tree is not a qualifying tree now and it won't be then; however, what we've said is any species on the DNR Invasive Species List, like Elm or Ash, is not going to be considered a qualifying tree. After the tree inventory is completed, then we determine how many trees they can actually remove, the percentage; we've reduced the percentage of trees that can be removed. So, they can't remove as many, which is good. Then we determine the quantity of replacement trees, so we have to figure out how many inches they have to replace based on how many inches they removed.

Council Member Khambata stated if there are fewer qualifying inches, then the tree mitigation fee will decrease proportionately. Planner Schmitz replied not necessarily; that's why we reduced the amount of inches that they could remove. We gave a little and took a little, evened it right out, at least that was our thought process. Replacement is on a 2:1 basis, that's inches, not trees; if it's not possible to replace them on site, then they pay $150 per inch, and the fees have to go to the Landscape Initiative Plan.

Citywide Rezoning: Attorney Land stated we are completely adopting a new map. The Council has to initiate the rezoning by passing a resolution to undertake Citywide Zoning. That resolution will contain those things, and the Planning Commission will then hold its public hearing on all of the ordinances, including the rezoning map, and then the Council will vote on all of the ordinances, including Zoning and the Rezoning Map. It does require a 4/5 majority to pass the new Rezoning Map.

That first step of initiating the process will be done earlier, rather than later; so, we're going to do that on November 2. We need to get it done so that we can unroll it with all of our open houses. The optional Council Meeting is a Special Meeting on November 9 to fully go through everything to make sure you're comfortable with it. We can talk further about the CBD ordinance. She thought it might be worthwhile to schedule that meeting, but that's up to the Council.

The plan to let the community know what we're doing is we'll have the Chamber Lunch on November 15, there are a couple of open houses we'll be hosting in December, and the Planning Commission public hearing is scheduled for December 19. The Council will adopt the whole thing on December 21.

Mayor Bailey asked if it would roll out with the new year; Attorney Land replied yes, it would be effective January 1, 2023.

Council Member Khambata stated when we did partial rezoning of Langdon Village, we had a room full of unhappy people. Attorney Land stated it's Citywide, and yet it's not because it's not going to affect everybody. Planner Mrosla stated it will actually benefit some properties and not restricting some. Planner Schmitz stated they're getting a better Zoning District out of this.

Mayor Bailey asked in Renewal by Andersen's efforts to save trees, they ended up saving some trees that already look like they're dead; he has a real problem with that. He didn't know how we deal with that. We also dealt with that in Summers Landing; in the end we got there with the nearby homeowners. He didn't know if any other cities had ordinances specific to that.

Planner Schmitz stated we could look at it more in depth at the time as we're looking at the tree inventory and perhaps involve our City Forester a bit more to understand that. Typically, businesses in our community are absolutely more than willing to work with us. We could tell Renewal by Andersen these four trees look questionable, so maybe we could replace those with two nice trees, and they'd say absolutely, let's work through that. So, we have some options.

Mayor Bailey stated he knows Renewal by Andersen will work with us. Also, when Up North Plastics took out all the Ash trees, they put in all new landscaping, and it looks very nice. Council Member Olsen asked if they typically involved Forester Gavin in those conversations; Planner Schmitz stated when necessary, yes, they do.

14. WORKSHOPS – CLOSED TO PUBLIC - None.

15. ADJOURNMENT

Motion by Council Member Dennis, second by Council Member Olsen, to adjourn the meeting at 9:26 p.m. Motion carried: 5-0.

Minutes prepared by Judy Graf and reviewed by Tamara Anderson, City Clerk

City Council Action Request

7C

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	City Council Meeting Minutes - October 19, 2022, Special Meeting
Staff Recommendation	Approve the October 19, 2022, Special Meeting Minutes.
Budget Implication	N/A
Attachments	2022-10-19 City Council Special Meeting.tif 7.11MB

MINUTES

COTTAGE GROVE CITY COUNCIL — October 19, 2022

COUNCIL CHAMBER
12800 RAVINE PARKWAY SOUTH

SPECIAL MEETING - 6:15 P.M.

1. CALL TO ORDER

Mayor Bailey called the Special Meeting to order at 6:15 p.m.; he stated tonight is very special because we'll do a Swearing-in and badge ceremony for one firefighter and four police officers.

2. ROLL CALL

City Clerk Tammy Anderson called the roll: Mayor Bailey - Here; Council Member Dennis - Here; Council Member Khambata - Here; Council Member Olsen - Here; Council Member Thiede - Here.

3. AGENDA ITEM

A. Swearing-in and Badge Ceremony
Staff Recommendation: Perform Swearing-in and Badge Ceremony for Mike Campbell, Sydney Whelan, Evan Davick, Jude Torning, and Gavin Foote.

Pete Koerner, Public Safety Director, asked Mayor Bailey and the Council Members to join him in front of the dais. He thanked the Council for allowing them to have this ceremony in the Council Chambers; originally, they were going to have this outdoors, but due to the sun setting quickly and it being chilly outside, they opted to hold this indoors. Director Koerner stated it's an honor for them to be able to formally recognize our employees in front of their peers, families, and friends. Public Safety is a team, which is why we're swearing in both fire and police tonight. He read aloud the Cottage Grove Public Safety Mission Statement. He spoke about the significance of badges, noting it may signify authority, but that's not why we do this job; the badge signifies the trust, the respect, and the sacrifice that each of these individuals make in service to the community.

Director Koerner stated other agencies are having difficulty finding people to work, but we are not; we're fully staffed on the police side and will be fully staffed on the first side in a couple of weeks when another firefighter joins us. That's a testament to our community and the support we feel.

Director Koerner read the professional and personal bio of Mike Campbell, and asked Mayor Bailey to swear him in.

Mayor Bailey had Michael Campbell raise his right hand, swore him in as a firefighter for the City of Cottage Grove, and congratulated him. Mike's wife, Jessica, pinned on his badge. Everyone applauded.

Director Koerner asked the four officers to step forward; he read aloud the professional and personal bios of Sydney Whelan, Evan Davick, Jude Torning, and Gavin Foote.

Mayor Bailey had all four officers raise their right hands, swore them in as police officers for the City of Cottage Grove, and congratulated them. Each of the officers had their badges pinned by their designated family member(s), and all were applauded.

Photographs were taken of the firefighter and police officers, City Council Members, and their family members. Mayor Bailey asked that everyone give the firefighter and officers another round of applause.

Director Koerner thanked everyone, especially all of the responders who came to support those being sworn in, and Mayor Bailey thanked all of them for their service to our community.

Director Koerner reminded all those sworn in tonight to sign their oath in front of City Clerk Anderson.

City Council Action Request

Cottage Grove
Where Pride and Prosperity Meet

7D

Meeting Date	11/2/2022
Department	Community Development
Agenda Category	Consent Agenda
Title	Planning Commission Minutes Approval
Staff Recommendation	Accept and place on file the minutes from the August 22, 2022, Planning Commission meeting.
Budget Implication	N/A
Attachments	Planning Commission Minutes 2022-08-22.tif 642.62KB

City of Cottage Grove
Planning Commission
August 22, 2022

The Regular Meeting of the Planning Commission was held at Cottage Grove City Hall, 12800 Ravine Parkway South, Cottage Grove, Minnesota, on Monday, August 22, 2022, in the Council Chamber and telecast on Local Government Cable Channel 16.

Call to Order

Chair Frazier called the Planning Commission meeting to order at 7:00 p.m.

Roll Call

Members Present: Ken Brittain, Jessica Fisher, Evan Frazier, Eric Knable, Derek Rasmussen, Emily Stephens, Jerret Wright

Members Absent: None

Staff Present: Mike Mrosla, Senior Planner; Emily Schmitz, Senior Planner; Conner Jakes, Associate Planner; Amanda Meyer, Assistant City Engineer; Riley Rooney, Planning Intern; Zac Dockter, Parks and Recreation Director; Dave Thiede, City Council Liaison

Approval of Agenda

Wright made a motion to approve the agenda. Fisher seconded. The motion was approved unanimously (7-to-0 vote).

Open Forum

Frazier opened the open forum and asked if anyone wished to address the Planning Commission on any non-agenda item. No one spoke. Frazier closed the open forum.

Chair's Explanation of the Public Hearing Process

Frazier explained the purpose of the Planning Commission, which serves in an advisory capacity to the City Council, and that the City Council makes all final decisions. In addition, he explained the process of conducting a public hearing and requested that any person wishing to speak should go to the microphone and state their full name and address for the public record.

Public Hearings and Applications

6.1 Thai Garden – Cases SP2022-057 & PUD2022-058

Integrity Building LLC, on behalf of Hang LLC, has applied for a planned unit development and site plan review for a proposed restaurant to be located at 7470 East Point Douglas Road South.

Jakes summarized the staff report and recommended approval subject to the conditions stipulated in the staff report.

Brittain stated he was glad that odor prevention for emissions from the building was addressed. He asked if there are any concerns about odor that might permeate from the dumpster and if there were any protections in place. Jakes responded that has been discussed extensively and explained that there are two proposed locations on which they are working with the applicant. The first location would be right next to the building, which would keep it away from the property line to minimize any potential odor impacts on the adjacent residence. Another location would be a little bit closer, but would still meet the setbacks and Code requirements. Staff is working with the neighbors to make a decision on the dumpster location.

Stephens noted this site used to be a gas station and asked if there was any sort of environmental remediation discussed and if the soil needs to be evaluated site before redeveloping it. Meyer responded that when the City did the demolition of the old transmission shop, some environmental work was completed and underground storage tanks were removed.

Knable asked where the lighting would be on this site and if it would impact the houses behind there. Mrosla replied the applicant submitted a detailed lighting plan, which shows some lighting fixtures adjacent to the residential property. There should be minimal impact onto the adjacent properties based on the photometric plan; however, there is a condition of approval that they need to use LED lights with light shields on the back, so they are more downward directed than sodium vapor lights. They are working with the city to bring it down to 0 foot-candle at the property line from the current .7 foot-candle.

Frazier opened the public hearing. No one spoke. Frazier closed the public hearing.

Rasmussen stated he felt staff had addressed many of the common issues that could occur close to the neighborhood, including odor and lighting. He noted that Brittain brought up a good point with the trash enclosure location and suggested that the trash could be picked up more than one per week to help alleviate odors from the dumpster. He is pretty comfortable with the way has this was drawn up.

Brittain made a motion to approve the planned unit development and site plan review subject to the conditions stipulated in the staff report. Wright seconded. Motion passed unanimously (7-to-0 vote).

6.2 Endeavor – Cases PP2022-054 & SP2022-055

Endeavor Development has applied for a preliminary plat to be called Glengrove Industrial Park 11th Addition, which will create two industrial lots to be located on the southwest corner of Jamaica Avenue and 95th Street, and a site plan review of two industrial buildings consisting of a total of approximately 350,000 square feet.

Schmitz summarized the staff report and recommended approval subject to the conditions stipulated in the staff report.

Brittain asked if because TG-P14 was made that TG-P16 was not needed, so all drainage is going to the other pond now. Schmitz replied that is correct.

Knable noted that there are two ways to enter the site, the first one is right in the middle and the second at the very end, and he asked if that was the truck access. Schmitz replied there will be a shared access between Lot 1 and Lot 2, and the second access for Lot 1 will be at the end; however, there will not be a restriction for which access the trucks can use. Knable asked when Lot 2 is developed, if all traffic would just flow in and out the same way. Schmitz replied yes.

Joe Bergman, Vice President, Endeavor Development, 885 Linwood Avenue, St. Paul, thanked the Commission for their consideration. He stated he would answer any questions.

Wright asked what type of tenants or industries they are hoping to attract. Bergman stated for Lot 2, they are open to many different industries, such as distribution, warehousing, and light manufacturing. RJ Schinner is interested in Lot 1; they distribute paper products. He explained that the interior of their buildings can be built to suit whatever the clients' needs are.

Rasmussen noted both buildings look like they are intended to set up loading dock activities and asked if the loading docks are all on the south side of the building, in the rear yard. Bergman stated that is correct and that everything they would consider is rear loaded. He noted that they look at 95th Street as the front door, and they back up to the railroad tracks behind the property.

Frazier opened the public hearing.

Zachary Hartfiel, 8068 Hornell Avenue South, expressed concern about gridlock in the area. He asked about the timing at the end of the day hitting the intersection of 95th Street and Jamaica. Currently, it backs up pretty far, and, if everyone from these new companies leaves at the same time, there is going to be a bigger issue. He asked what the future traffic plans were for that area, such as adding an additional turn lane going towards the highway.

No one else spoke. Frazier closed the public hearing.

Meyer stated that at this time there are no proposed public improvements related to traffic at the intersection of 95th Street and Jamaica Avenue being triggered by this project. As the City works through the Business Park AUAR, issues such as growth and traffic at all of the different intersections will be looked at.

Frazier stated the Commission has heard about warrants when adding improvements to intersections or roads. He asked Meyer to discuss what Public Works looks for in doing those improvements. Meyer explained we look at daily traffic and different loadings on those roadways, signal timing, possibility of roundabouts, and other traffic pieces to understand traffic patterns and needs. The City will also be working through the MnDOT warrants for traffic.

Rasmussen made a motion to approve the preliminary plat and site plan review subject to the conditions in the staff report. Fisher seconded. Motion passed unanimously (7-to-0 vote).

6.3 Glacial Valley Park – Case SP2022-059

The City of Cottage Grove has applied for a site plan review for construction of a park building to be located at Glacial Valley Park, 9900 Ravine Parkway South, following the Glacial Valley Park Master Plan.

Rooney summarized the staff report and recommended approval subject to the conditions stipulated in the staff report.

Brittain stated that the landscape plan shows the park and the hockey rink at a different orientation and asked if that was still in flux, as the other plans are all consistently one way and the landscaping plans are all consistently the other. Parks and Recreation Director Dockter stated the image is accurate. The rink size was reduced and the orientation changed partly for the view lines from the park building to create better views of the prairie. Brittain asked if the trails that connected to the conservation area were going to be paved. Rooney replied that the soft trails would not be paved, and the Regional Trail will be. Brittain stated the black line on the site plan will be the Regional Trail (hard trail), and all the other ones will be grass or other materials. Dockter stated the Regional Trail will be a paved 8-to-10-foot wide trail. The rest of the trails will be either rock or mowed grass.

Rasmussen stated he is glad the paved Regional Trail would be coming through the park, as he knew there was a section missing. He thought there was a bike trail all the way from the Lake Elmo Park Reserve to Ravine Park. He noted that the building seems to be more of a community building than other buildings at our current parks, which are basically pavilions and bathrooms. This reminds him of the Washington County Ravine Park building, where there are rooms for classes and parties. He stated he likes this proposal.

Stephens asked if the pedestrian access crossing Ravine Parkway would be marked like the crossing to the west on Ravine Parkway for safety concerns. Meyer replied that the City typically does not sign and stripe crossings at intersections. She stated that we can look at this area as it is adjacent to a park to see if this would be an applicable area in which to put in a sign and striping.

Rasmussen asked if the proposed 70 parking spaces would be adequate for this park, particularly during games and events at the community building. He also asked about overflow parking and if on-street parking was a possibility. Dockter responded it is difficult to figure out the number of parking spaces that would be needed. There are equations used to estimate how many vehicles need to be accommodated for various activities, which were utilized to determine the parking needs for this park, and we are pretty comfortable with that number.

Frazier opened the public hearing. No one spoke. Frazier closed the public hearing.

Brittain stated he thought it looked great and will be a good amenity for the community. Parking is always going to have its challenges, but a good effort has been done to work with everything. He is excited to see this amenity in our community.

Wright agreed with Brittain and thought it was a nice mix such as the hockey and soccer fields. There are many parks in the City, but this diversifies it more, and the sports part is nice. He stated that any the parking issues can be figured out.

Stephens also thought this proposal is awesome. She stated any sort of additional striping for the crossing would be helpful. She knows this a parkway, but because there aren't any trees or other distractions, people fly down Ravine Parkway. That existing crossing is pretty scary because people in the vehicles don't always watch for pedestrians, even at the marked crossing.

Brittain made a motion to approve the site plan review subject to the conditions in the staff report. Wright seconded. Motion passed unanimously (7-to-0 vote).

Approval of Planning Commission Minutes of July 25, 2022

Fisher made a motion to approve the minutes of the July 25, 2022, Planning Commission meeting. Wright seconded. Motion passed unanimously (7-to-0 vote).

Reports

8.1 Recap of August 2022 City Council Meetings

Thiede provided a summary of actions taken at the August 3 and August 17, 2022, City Council meetings. He also noted that Council has been working on the budget and CIP at several workshops.

8.2 Response to Planning Commission Inquiries

None.

8.3 Planning Commission Requests

None.

Adjournment

Wright made a motion to adjourn the meeting. Rasmussen seconded. Motion passed unanimously (7-to-0 vote). The meeting was adjourned at 7:41 p.m.

City Council Action Request

Cottage Grove
Where Pride and Prosperity Meet

7E

Meeting Date	11/2/2022
Department	Community Development
Agenda Category	Consent Agenda
Title	Rental License Approvals
Staff Recommendation	Approve the issuance of rental licenses to the properties listed in the attached table.
Budget Implication	N/A
Attachments	Rental License Approvals CC Memo.tif 2.23MB Rental License Approvals Table.tif 107.97KB

Cottage Grove
Where Pride and Prosperity Meet

TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Samantha Drewry, Code Enforcement Officer

DATE: October 27, 2022

RE: Rental License Approvals

Background/Discussion

Rental licenses are required for nonowner-occupied residential properties (City Code Title 9-13, Property Maintenance, and Title 9-14, Rental Licensing) and are issued on a biennial basis. The licensing process includes submittal of the rental license application, payment of $180, and public criminal history report. Rental inspections are conducted on all rental properties as part of the licensing process. Once all information has been submitted and the inspection satisfactorily completed, the Council must approve the license prior to it being issued.

The properties listed in the attached table have completed the licensing process and are ready to have their licenses issued following Council approval.

Recommendation

Approve the issuance of rental licenses to the properties in the attached table.

2022 RENTAL LICENSES
CITY COUNCIL APPROVAL - NOVEMBER 2, 2022

RENTAL LICENSE NUMBER	PROPERTY STREET #	PROPERTY STREET NAME	PROPERTY OWNER
RENT-001193-2022	9607	HALLMARK AVENUE SOUTH	HPA BORROWER 2018-1 LLC
RENT-001372	8465	79TH STREET SOUTH	IRABOR, STEPHEN
RENT-001409	9826	EAST POINT DOUGLAS ROAD SOUTH	STU-MAC PROPERTIES
RENT-001420	6524	GENEVIEVE TRAIL SOUTH	SAMINATHAN, AARTHI & THIRUMOORTHY, ANANDAMOORTHY

City Council Action Request

7F

Meeting Date	11/2/2022
Department	Public Works
Agenda Category	Consent Agenda
Title	City Hall Remodel Service Agreement
Staff Recommendation	Adopt Resolution 2022-146 awarding the City Hall Remodel contract to Schrieber Mullany Construction in the amount of $78,890.00 and authorize the service agreement between Schreiber Mullaney Construction and the City of Cottage Grove.
Budget Implication	Estimated cost - $83,000 Municipal Building Fund - $75,000 Remaining Amount - 2022 Building Permit Revenues

Attachments

City Hall Remodel Memo.tif	573.16KB
Resolution 2022-146 City Hall Remodel.tif	459.29KB
City Hall Remodel Agreement.tif	4.81MB
City Hall Remodel Quote.tif	736.02KB

Cottage Grove
Where Pride and Prosperity Meet

To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Ryan Burfeind, Public Works Director/City Engineer
Adam Moshier, Fleet and Facilities Manager

Date: 10/27/2022

RE: City Hall Remodel-Service Agreement with Schreiber Mullaney Construction

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Introduction

In response to the 5-year staffing plan presented to City Council, staff has been reviewing options to create additional workstations/offices in the City Hall/Public Safety building. As currently constructed, the City Hall/Public Safety building does not have space for these new employees. After the water treatment plant is built in 2024, more office spaces would become available in City Hall. In order to develop these additional workspaces, staff has been working with Wold Architects to create a plan to better utilize the office and storage spaces throughout the building. This was discussed at a council workshop on July 20th and at a council meeting on August 31st, 2022.

Discussion

Wold Architects created specs and two quotes were received.

	Contractor	Quoted Amount
Low	Schreiber Mullaney Construction	$78,890.00
#2	Kraus-Anderson	$82,292.00

Budget Implication

The total estimated cost for this project was $83,000. The Municipal Building Fund has $75,000 available and the remaining would be covered by 2022 building permit revenues.

Recommendation

Adopt resolution 2022-146 awarding the City Hall Remodel contract to Schreiber Mullaney Construction in the amount of $78,890.00 and to authorize the service agreement between Schreiber Mullaney Construction and the City of Cottage Grove.

CITY OF COTTAGE GROVE, MINNESOTA
CITY COUNCIL
RESOLUTION 2022-146

RESOLUTION AWARDING THE CITY HALL REMODEL PROJECT TO SCHREIBER MULLANEY CONSTRUCTION IN THE AMOUNT OF $78,890.00

WHEREAS, plans and specifications for the City Hall Remodel were completed by Wold Architects; and

WHEREAS, quotes were requested to provide the necessary work; and

WHEREAS, two firms submitted quotes; and

WHEREAS, it appears that Schreiber Mullaney Construction provided the lowest responsible quote; and

WHEREAS, it is the recommendation of staff that the quote be awarded to Schreiber Mullaney Construction in the amount of $78,890.00

NOW THEREFORE BE IT RESOLVED, the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, the City Hall Remodel Project be awarded to Schreiber Mullaney Construction in the amount of $78,890.00

Passed this 2nd day of November 2022.

_____
Myron Bailey, Mayor

Attest:

_____
Tammy Anderson, City Clerk

AGREEMENT FOR SERVICES

City of Cottage Grove City Hall Remodel

THIS AGREEMENT ("Agreement") is made and executed this 2nd day of November, 2022, by and between the City of Cottage Grove, 12800 Ravine Parkway, Cottage Grove, Minnesota 55016, ("City") and Schreiber Mullaney Construction, 1286 Hudson Rd. St Paul, MN 55106 ("Contractor").

WHEREAS, the City has accepted the proposal of the Contractor for certain Services; and

WHEREAS, Contractor desires to perform the Services for the City under the terms and conditions set forth in this Agreement.

NOW THEREFORE, in consideration of the mutual consideration contained herein, it is hereby agreed as follows:

1. SERVICES.

    a. City agrees to engage Contractor as an independent contractor for the purpose of performing certain Services ("Services"), as defined in the following documents:

        i. A proposal, incorporated herein as Exhibit A;

        ii. Other documentation, incorporated herein as Exhibit B.

        (Hereinafter "Exhibits.") Where terms and conditions of this Agreement and those terms and conditions included in the Exhibits specifically conflict, the terms of this Agreement shall apply.

    b. Contractor covenants and agrees to provide Services to the satisfaction of the City in a timely fashion, as set forth in the Exhibits, subject to Section 9 of this Agreement.

    c. Contractor agrees to comply with all federal, state, and local laws and ordinances applicable to the Services to be performed under this Agreement, including all safety standards. The Contractor shall be solely and completely responsible for conditions of the job site, including the safety of all persons and property during the performance of the Services. The Contractor represents and warrants that it has the requisite training, skills, and experience necessary to provide the Services and is appropriately licensed and has obtained all permits from all applicable agencies and governmental entities.

2. PAYMENT.

a. City agrees to pay the Contractor $78,890.00, and the Contractor agrees to receive and accept payment for Services as set forth in the Exhibits.

b. Any changes in the scope of the work of the Services that may result in an increase to the compensation due the Contractor shall require prior written approval by the authorized representative of the City or by the City Council. The City will not pay additional compensation for Services that do not have prior written authorization.

c. Contractor shall submit itemized bills for Services provided to City on a monthly basis. Bills submitted shall be paid in the same manner as other claims made to City.

d. Prior to payment, the Contractor will submit evidence that all payrolls, material bills, subcontractors and other indebtedness connected with the Services have been paid as required by the City.

3. TERM. The term of this Agreement is identified in the Exhibits. This Agreement may be extended upon the written mutual consent of the parties for such additional period as they deem appropriate, and upon the same terms and conditions as herein stated.

4. BONDS. If the Services provided by Contractor as set forth in the Exhibits and this Agreement exceeds $100,000, Contractor shall furnish performance and payments bonds covering faithful performance of all the Contractor's obligations, including without limitation warranty obligations, and of all payment of obligations arising under this Agreement. The bonds shall each be issued in an amount equal to 100% of the stipulated sum identified in Section 2 of this Agreement.

5. TERMINATION AND REMEDIES.

a. Termination for Convenience. This Agreement may be terminated by either party upon 30 days' written notice delivered to the other party at the addresses listed in Section 15 of this Agreement. Upon termination under this provision, if there is no default by the Contractor, Contractor shall be paid for Services rendered and reimbursable expenses through the effective date of termination.

b. Termination Due to Default. This Agreement may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement. The non-performing party shall have fifteen (15) calendar days from the date of the termination notice to cure or to submit a plan for cure that is acceptable to the other party.

c. Remedies. Notwithstanding the above, the Contractor shall not be relieved of liability to the City for damages sustained by the City as a result of any breach of this Agreement by the Contractor. The City may, in such event:

i. Withhold payments due to the Contractor for the purpose of set-off until such time as the exact amount of damages due to the City is determined.
ii. Perform the Services, in which case, the Contractor shall within 30 days after written billing by the City, reimburse the City for any costs and expenses incurred by the City.

The rights or remedies provided for herein shall not limit the City, in case of any default by the Contractor, from asserting any other right or remedy allowed by law, equity, or by statute.

d. Upon termination of this Agreement, the Contractor shall furnish to the City copies or duplicate originals of all documents or memoranda prepared for the City not previously furnished.

6. SUBCONTRACTORS. Contractor shall not enter into subcontracts for any of the Services provided for in this Agreement without the express written consent of the City, unless specifically provided for in the Exhibits. The Contractor shall pay any subcontractor involved in the performance of this Agreement within the ten (10) days of the Contractor's receipt of payment by the City for undisputed services provided by the subcontractor.

7. STANDARD OF CARE. In performing its Services, Contractor will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of its profession in the same locality at the time the Services are provided.

8. INSPECTION OF WORK. All materials and workmanship will be subject to inspection, examination, and testing by the City, who will have the right to reject defective material and workmanship or require its correction.

9. DELAY IN PERFORMANCE. Neither City nor Contractor shall be considered in default of this Agreement for delays in performance caused by circumstances beyond the reasonable control of the nonperforming party. For purposes of this Agreement, such circumstances include, but are not limited to, abnormal weather conditions; floods; earthquakes; fire; epidemics; war, riots, and other civil disturbances; strikes, lockouts, work slowdowns, and other labor disturbances; sabotage; judicial restraint; and inability to procure permits, licenses or authorizations from any local, state, or federal agency for any of the supplies, materials, accesses, or services required to be provided by either City or Contractor under this Agreement. If such circumstances occur, the nonperforming party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of this Agreement. Contractor will be entitled to payment for its reasonable additional charges, if any, due to the delay.

10. CITY'S REPRESENTATIVE. The City has designated Adam Moshier to act as the City's representative with respect to the Services to be performed under this Agreement. He or she shall have complete authority to transmit instructions, receive information, interpret, and define the City's policy and decisions with respect to the Services covered by this Agreement.

11. PROJECT MANAGER AND STAFFING. The Contractor has designated Bruce Schreiber to be the primary contacts for the City in the performance of the Services. They shall be assisted by other staff members as necessary to facilitate the completion of the Services in accordance with the terms established herein. Contractor may not remove or replace these designated staff without the approval of the City.

12. INDEMNIFICATION.

    a. Contractor and City each agree to defend, indemnify, and hold harmless each other, its agents and employees, from and against legal liability for all claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are caused by its negligent acts, errors, or omissions. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of Contractor and City, they shall be borne by each party in proportion to its own negligence.

    b. Contractor shall indemnify City against legal liability for damages arising out of claims by Contractor's employees or subcontractors, including all liens. City shall indemnify Contractor against legal liability for damages arising out of claims by City's employees or subcontractors.

13. INSURANCE. During the performance of the Services under this Agreement, Contractor shall maintain the following insurance:

    a. Commercial General Liability Insurance, with a limit of $1,500,000 for any number of claims arising out of a single occurrence, pursuant to Minnesota Statutes, Section 466.04, or as may be amended;

    b. Workers' Compensation Insurance in accordance with statutory requirements.

    c. Automobile Liability Insurance, with a combined single limit of $1,000,000 for each person and $1,000,000 for each accident.

    Contractor shall furnish the City with certificates of insurance, which shall include a provision that such insurance shall not be canceled without written notice to the City. The City shall be named as an additional insured on the Commercial General Liability Insurance policy.

14. WARRANTIES. Contractor warrants and guarantees that title to all work, materials, and equipment covered by any invoice, will pass to City no later than the Completion Date.

Contractor warrants that all work will be free from defects and that all materials will be new and of first quality. If within one (1) year after final payment any work or material is found to be defective, Contractor shall promptly, without cost to the City, correct such defect.

15. NOTICES. Notices shall be communicated to the following addresses:

If to City: City of Cottage Grove
12800 Ravine Parkway
Cottage Grove, MN 55016
Attention: Adam Moshier

Or e-mailed: amoshier@cottagegrovemn.gov

If to Contractor: Schreiber Mullaney Construction
1286 Hudson Rd.
St Paul, MN 55106
Attention: Bruce Schreiber

Or emailed: bruce@schreibermullaney.com

16. INDEPENDENT CONTRACTOR STATUS. All services provided by Contractor, its officers, agents and employees pursuant to this Agreement shall be provided as employees of Contractor or as independent contractors of Contractor and not as employees of the City for any purpose.

17. RESPONSIBLE CONTRACTOR.

a. In accordance with Minnesota Statutes, Section 16C.285, Contractor is hereby advised that the City cannot award a construction contract in excess of $50,000 unless Contractor is a "responsible contractor" as defined in Minnesota Statutes, Section 16C.285, subdivision 3. Contractor must complete a Responsible Contractor Certificate verifying compliance with the minimum criteria specified in Minnesota Statutes, Section 16C.285, subdivision 3, to be eligible to provide the Services outlined in this Agreement. A Responsible Contractor Certificate must be signed under oath by an owner or officer of Contractor. Contractor is responsible for obtaining the required verifications of compliance with Minnesota Statute, Section 16C.285, subdivision 3 from all subcontractors, using a form provided by the City. Contractor must submit signed verifications from subcontractors upon the City's request.

b. Contractor or subcontractor who does not meet the minimum criteria established in Minnesota Statutes, Section 16C.285, subdivision 3, or who fails to verify compliance with the minimum requirements of this statute, will not be considered a "responsible contractor" and will be ineligible to provide the Services under this

Agreement or otherwise work on the project in any capacity. Contractor and any subcontractor are advised that making any false statements verifying compliance with Minnesota Statutes, Section 16C.285 will render the Contractor or subcontractor ineligible to perform the Services of this Agreement and may result in termination of this Agreement by the City.

c. Contractor shall not sublet, sell, transfer, delegate or assign the Services or any portion of the Services of this Agreement without abiding by the applicable provisions of the Minnesota Department of Transportation Standard Specifications for Construction, Section 1801.

18. GENERAL PROVISIONS.

a. Assignment. This Agreement is not assignable without the mutual written agreement of the parties.

b. Waiver. A waiver by either City or Contractor of any breach of this Agreement shall be in writing. Such a waiver shall not affect the waiving party's rights with respect to any other or further breach.

c. Nondiscrimination. Contractor agrees that in the hiring of employees to perform Services under this Agreement, Contractor shall not discriminate against any person by reason of any characteristic protected by state or federal law.

d. Governing Law. This Agreement shall be construed in accordance with the laws of the State of Minnesota and any action must be venued in Washington County District Court.

e. Amendments. Any modification or amendment to this Agreement shall require a written agreement signed by both parties.

f. Severability. If any term of this Agreement is found be void or invalid, such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.

g. Data Practices Compliance. All data collected by the City pursuant to this Agreement shall be subject to the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13.

h. Entire Agreement. This Agreement constitutes the entire agreement of the parties and supersedes all prior communications, understandings and agreements relating to the subject matter hereof, whether oral or written.

CITY OF COTTAGE GROVE

By: _____
Myron A. Bailey, Mayor

By:_____
Tamara Anderson, City Clerk

CONTRACTOR

Signature:_____

Date:_____

Name:_____

Its:_____

SECTION 00 41 13
QUOTE FORM

THE PROJECT AND THE PARTIES

1.01 QUOTE TO:

A [O NAME]

c/o Wold Architects and Engineers
332 Minnesota Street, Suite W2000
St. Paul, Minnesota 55101
Attn: Jake Wollensak, Email: jwollensak@woldae.com

1.02 FOR:

A Project: City Hall and Remodel

B Project Number: 222087

12800 Ravine Pkwy. S
Cottage Grove, MN 55016

We have examined the Contract Documents for the proposed City Hall Remodel as prepared by Wold Architects and Engineers, St. Paul, Minnesota, and the conditions affecting the work.

1.03 ACCEPTANCE

A Contractor agrees to complete the Project by April 1, 2023 It is anticipated the building will be ready for work on November 27, 2022.

B Each quote must include all costs for items required to complete all work, including all necessary material(s), overhead, profit and applicable taxes, freight, handling, installation, etc.

C Contractor is to submit shop drawings/sample panels/samples to Architect for approval prior to work on those items as noted in the project manual.

D The Contractor will apply for the building permit, but the Owner will pay for it.

E The cost of a Performance Bond and Labor and Material Bond in the amount of 100% of the quoted priced is included in the quote.

F The cost of liability insurance to meet current state statues is included in the quote. The Owner will carry "all-risk" property insurance.

G I understand final payment cannot occur until the following documents are provided:

H Minnesota Tax Form IC 134

I Consent of Surety to Final Payment AIA Document G707

J Contractor's Affidavit of Payment of Debts and Claims, AIA Document G706

K Contractor's Affidavit of Release of Liens, AIA Document G706A

L Return completed quote form to Wold Architects and Engineers on or before quote date at quote time

M I understand this quote may not be withdrawn for a period of thirty (30) days from the date quotes are due.

1.04 RESPONSIBLE CONTRACTOR COMPLIANCE

A By signing this quote form, I am an Owner or Officer of the firm name listed on the quote form and I verify under oath that as a Prime Contractor I am in compliance with the Responsible Contractor criteria as defined in Minnesota Statute 16C.285, subd. 3.

1.05 BASE QUOTE

A The Quoter agrees to perform all work including General, Mechanical and Electrical Construction for the Base Quote Sum of: Seventy Eight Thousand Eight Hundred Ninety and 00/100---
_____ Dollars $ 78,890.00

1.06 QUOTE FORM SIGNATURE(S)

Schreiber Mullaney Construction
(Quoter- print the full name of your firm)
was hereunto affixed in the presence of:
Bruce Schreiber - Vice President
(Authorized signing officer, Title)
(Signature)

City Council Action Request

7G

Meeting Date	11/2/2022
Department	Parks and Recreation
Agenda Category	Consent Agenda
Title	Ice Arena Locker Room Agreement
Staff Recommendation	Authorize locker room lease agreement with Cottage Grove Athletic Association.
Budget Implication	Up to but not exceeding $10,000.
Attachments	Locker Room Lease Memo.tif 567.99KB CGAA Locker Room Updated Agreement.tif 3.93MB

Cottage Grove
Where Pride and Prosperity Meet

To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Zac Dockter, Parks and Recreation Director

Cc: Jordan Hirman, Recreation Facilities Manager

Date: October 25, 2022

Subject: Ice Arena Locker Room Agreement

Introduction/Background
The Cottage Grove Athletic Association desires additional space for use by the Park Boys' and Girls' hockey programs. Park junior varsity programs have historically used adjacent public locker rooms for temporary dressing and storage of equipment. Within School District 833, the Park hockey programs are the only teams that do not have a dedicated space for junior varsity programming.

Staff has worked with the Cottage Grove Athletic Association (CGAA) and the City Attorney to draft a lease that addresses the following points:

1. Leases space to CGAA for use for Park Boys' and Girls' hockey programs to support their junior varsity programming on a permanent basis for $5,000 per year.
2. Requires funding support from CGAA to reconstruct the old East Ridge varsity locker room into two public locker rooms for general ice arena use. Total project costs are estimated at $40,000.
3. The Ice Arena will manage public locker room improvements and contribute up to $10,000 towards total project costs. All other costs will be paid by CGAA.
4. The City will offer financing support to CGAA for construction costs of $30,000. These capital costs would be paid back to the City through a $6,000 increased lease payment for the first five years of the agreement. The capital support repayment would be consistent with the agreement made between the City and the East Ridge Boys' hockey program in 2019 for the buildout of their locker room.

Staff Recommendation
Authorize locker room lease agreement with Cottage Grove Athletic Association.

AGREEMENT BETWEEN THE CITY OF COTTAGE GROVE AND THE COTTAGE GROVE ATHLETIC ASSOCIATION FOR THE USE OF ICE ARENA LOCKER ROOMS

THIS AGREEMENT is made this _____ day of _____, 2022 ("Effective Date") between the City of Cottage Grove ("City") and the Cottage Grove Athletic Association ("CGAA").

WHEREAS, in October 2022, due to the limited space of the existing Ice Arena and the expanding locker room space requirements of the Park High School boys' and girls' hockey teams, CGAA requested the opportunity to add locker room facilities in exchange for leasing a locker room; and

WHEREAS, The City agrees to pay up to $10,000 for costs associated with creating two new public locker rooms ("New Public Locker Rooms") in the space currently occupied as Varsity Locker Room #110 (depicted on Exhibit A) which will be used for general public use; and

WHEREAS, CGAA agrees to pay for all remaining costs associated with creating two new public locker rooms ("New Public Locker Rooms") in the space currently occupied as Varsity Locker Room #103 (depicted on Exhibit A) which will be used for general public use; and

WHEREAS, in exchange for the above, the City agrees to lease space to CGAA identified as Locker Room 142 ("Room 142") (depicted on Exhibit B) and Locker Room #109 ("Room 109") (depicted on Exhibit A) at a reduced rate for 20 years, unless terminated earlier.

NOW THEREFORE, for mutual consideration, which the parties hereby acknowledge, the parties agree as follows:

1. New Public Locker Room Construction Project ("Project"). The City shall undergo and manage a Project for the New Public Locker Rooms, that will consist of building a block wall to divide the room, addition of a door connecting to the hallway, removal of the coach's office, moving fire suppression system as required by code, modifying HVAC system as required, painting, caulking, rubber flooring repairs, addition of benches, coat racks and stick storage racks, and other remodeling as needed and approved by the City's Building Official.

2. New Public Locker Room Construction Payment. The City shall pay $10,000 and CGAA shall pay all remaining final construction costs of the Project, which shall be made in the following payments:

    a. The first $30,000 will be reimbursed to the City from CGAA through lease payments. The first five years of lease payments will include an additional $6,000 per year capital payment.

b. Any construction costs exceeding the combined $40,000 contribution from the City and CGAA, must be paid in full by CGAA to the City within 60 days of project completion.

3. Locker Room Lease.
   a. If CGAA leases both Locker Room 142 and Locker Room 109 for CGAA and high school programming use, then the payment due shall be as follows:
      (1) For years 2023, 2024, 2025, 2026, 2027 Rent shall be $11,000 per year
      (2) For years 2028 – 2043 Rent shall be $5,000 per year

   b. Should CGAA lease either Locker Room 142 or Locker Room 109 (only one) then the payment due shall be as follows:
      (1) For years 2023, 2024, 2025, 2026, 2027 Rent shall be $8,500 per year
      (2) For years 2028 – 2043 Rent shall be $2,500 per year

      The CGAA shall notify the City in writing within 90 days of the Effective Date if they are leasing only one locker room pursuant to Section 3b. If no written notice is provided within 90 days of the Effective Date, then the payment for both Locker Room 142 and Locker Room 109 shall be due pursuant to Section 3a.

   c. Payment shall be due on or before February 28 of the year listed.

4. Term. The term of this Agreement shall begin on November 1, 2022, and terminate on February 28, 2043, unless terminated for default pursuant to paragraph 8.

5. Furnishing of Rooms 142 and 109. CGAA has the right and opportunity, at its own cost, to provide for the furnishing and fixtures of Room 142 and Room 109. Any proposed furnishings and fixtures are subject to approval by the City's Ice Arena Manager.

6. Ongoing Maintenance. The CGAA is responsible for all routine cleaning, painting, repair and any other routine maintenance needs of Room 142 and Room 109. The City has the right to inspect Room 142 and Room 109 without limitation and to require CGAA to perform any reasonable and necessary repair of the Room 142 and Room 109 for damage caused by CGAA.

7. Utility Costs. The City anticipates that the CGAA use of Room 142 and Room 109 may create the potential for energy, water, sewer, garbage costs or other operating costs unique to the use of the locker rooms. The City shall monitor such costs, and to the extent that unique costs are identified, the City reserves the right to incorporate such operating costs into the hourly ice time charge that the City charges the CGAA.

8. Default. If any party fails to comply with a term or condition of this Agreement after being given reasonable notice of such default and the ability to cure, a non-defaulting party may terminate this agreement upon 30 days' written notice to the other parties. Any non-defaulting party shall have all rights in equity and at law to recover damages from the defaulting party.

9. Indemnification.

a. CGAA and City each agree to defend, indemnify, and hold harmless each other, its agents and employees, from and against legal liability for all claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are caused by its negligent acts, errors, or omissions. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of CGAA and City, they shall be borne by each party in proportion to its own negligence.

b. CGAA shall indemnify City against legal liability for damages arising out of claims by CGAA employees. City shall indemnify CGAA against legal liability for damages arising out of claims by City's employees.

10. Insurance. During the performance of the Services under this Agreement, CGAA shall maintain the following insurance:

a. Commercial General Liability Insurance, with a limit of $1,500,000 for any number of claims arising out of a single occurrence, pursuant to Minnesota Statutes, Section 466.04, or as may be amended;

b. Workers' Compensation Insurance in accordance with statutory requirements.

CGAA shall furnish the City with certificates of insurance, which shall include a provision that such insurance shall not be canceled without written notice to the City.

11. GENERAL PROVISIONS.

a. Assignment. This Agreement is not assignable without the mutual written agreement of the parties.

b. Waiver. A waiver by either City or CGAA of any breach of this Agreement shall be in writing. Such a waiver shall not affect the waiving party's rights with respect to any other or further breach.

c. Governing Law. This Agreement shall be construed in accordance with the laws of the State of Minnesota and any action must be venued in Washington County District Court.

d. Amendments. Any modification or amendment to this Agreement shall require a written agreement signed by both parties.

e. Severability. If any term of this Agreement is found be void or invalid, such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.

f. Data Practices Compliance. All data collected by the City pursuant to this Agreement shall be subject to the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13.

g. Entire Agreement. This Agreement constitutes the entire agreement of the parties and supersedes all prior communications, understandings and agreements relating to the subject matter hereof, whether oral or written.

[remainder of page intentionally blank]

CITY OF COTTAGE GOVE

_____

Myron Bailey, Mayor

_____

Tamara Anderson, City Clerk

COTTAGE GROVE ATHLETIC ASSOCIATION

Name: _____

Title: _____

Name:_____

Title:_____

EXHIBIT A

DEPICTION OF LOCKER ROOM 110

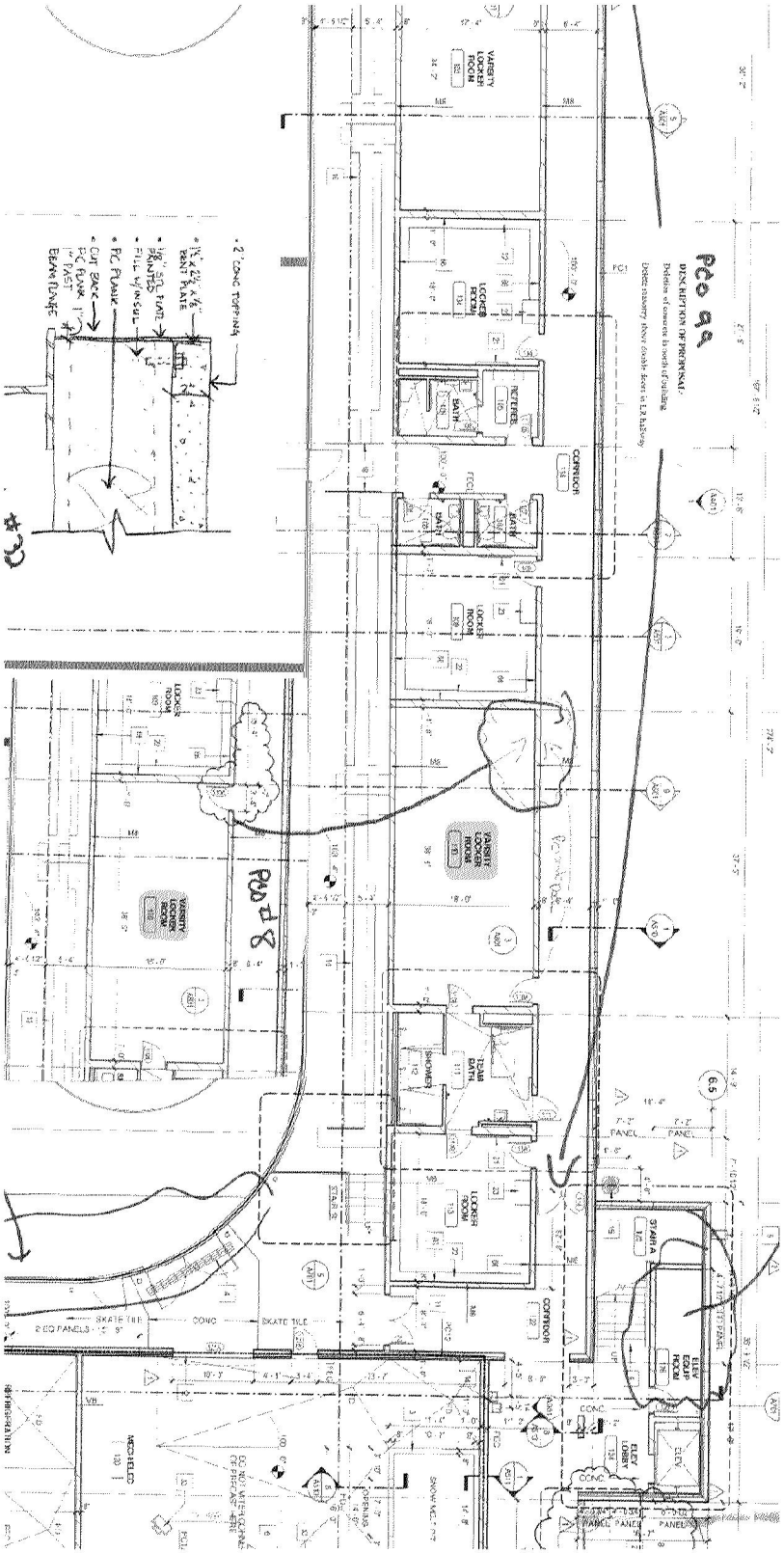
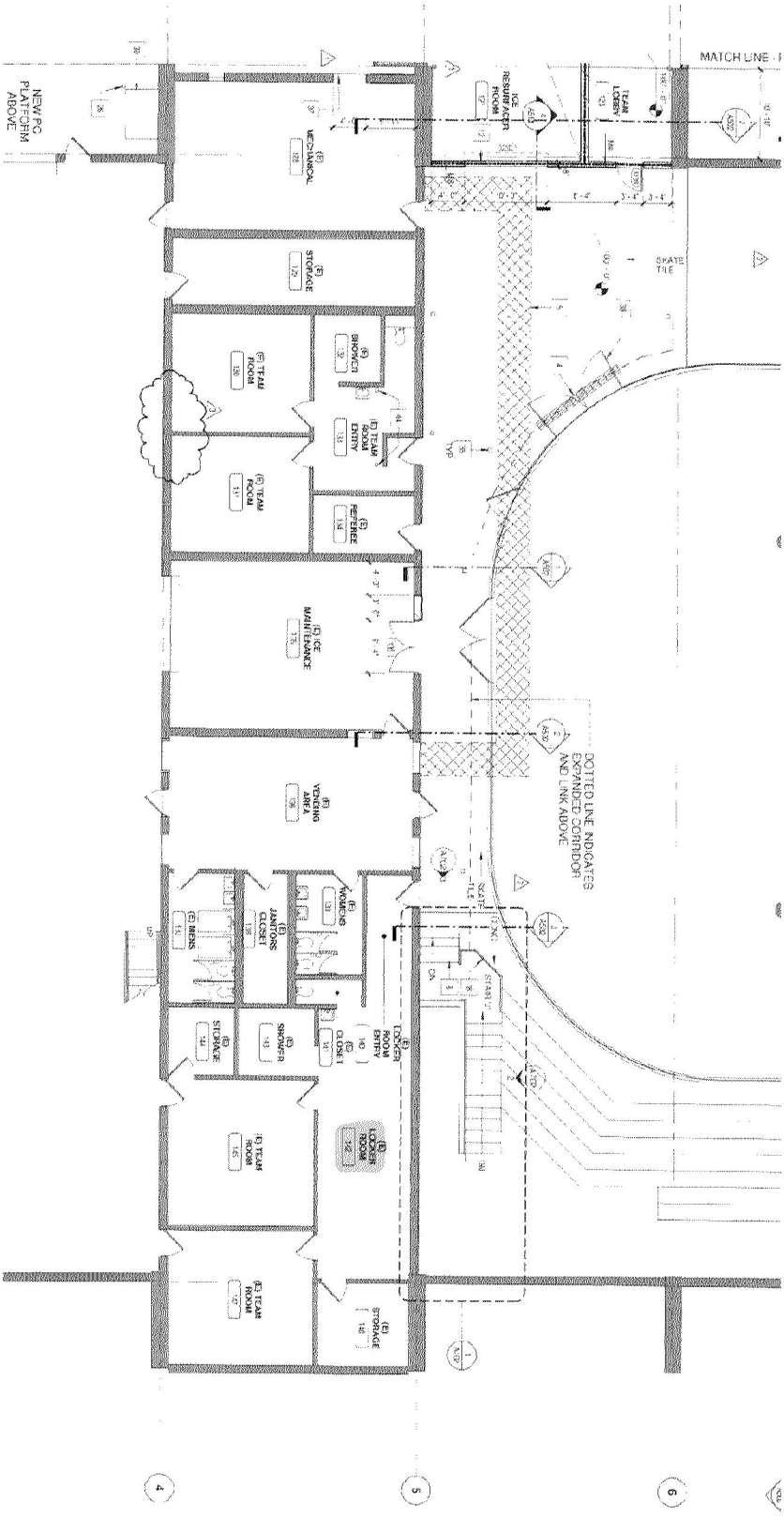


EXHIBIT B

DEPICTION OF LOCKER ROOM 142



City Council Action Request

7H

Meeting Date	11/2/2022
Department	Parks and Recreation
Agenda Category	Consent Agenda
Title	Glacial Valley Park Building Plans, Specifications and Bidding
Staff Recommendation	Adopt resolution number 2022-144 approving plans and specifications and establishing a bid date of December 1, 2022, for the Glacial Valley Park Building project.
Budget Implication	Projected cost $4.8 million.

Attachments

Memo Glacial Valley Building plans, spec, and bidding.tif	1.13MB
Resolution 2022-144 GV Plans, Specs, and Bid date.tif	391.67KB
Artwork Memo - Glacial Valley.tif	2.39MB
Glacial Valley Overall Budget.tif	880.06KB
Glacial Valley 100% CD Drawings.tif	33.02MB

Cottage Grove
Where Pride and Prosperity Meet

To:	Honorable Mayor and City Council Jennifer Levitt, City Administrator
From:	Zac Dockter, Parks and Recreation Director
Cc:	Brenda Malinowski, Finance Director
Date:	October 25, 2022
Subject:	Glacial Valley Park Building Plans, Specifications and Bidding

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Introduction
The Glacial Valley Park building design team has been working closely with City Council to develop plans for a new building at Glacial Valley Community Park. Plans and specifications are now complete and ready for Council review and consideration of establishing a bid date.

Design Summary
The multi-use design intent for the Glacial Valley Park building will include the following key characteristics:

1. Multi-purpose room – 1,500 SF
2. Classroom/program room – 955 SF
3. Commons/warming room – 600 SF
4. Storage room – 440 SF
5. Outdoor gathering spaces

Council previously provided direction to design the building with energy conservation in mind. The two key design elements for this building that achieve this conservation goal are solar power and geothermal heating/cooling.

The building is designed to utilize solar energy from rooftop panels. The solar production is expected to generate enough electricity to power the entire building during all seasons.

Heating and cooling are designed utilizing a geothermal system. Because geothermal uses an in-floor heating system and may have delayed recovery time during extreme temperatures, a reserve natural gas boiler is included in the design to assure heat is available on demand. This will allow the facility to meet customer comfort demands under any conditions. This reserve boiler will be especially important for rapid heat recovery with use of the operable window wall during cooler outdoor seasons.

Additional sustainable and energy saving measures were implemented in the design to assure the building operates as efficiently as possible. The design team also coordinated with Xcel Energy's Energy Efficient Building program to assure the facility design maximizes our opportunity for energy efficiency rebates. All of these sustainable building design elements result in a facility that will achieve net zero energy consumption during normal operations.

Council also directed that art be incorporated as part of the facility. The design team has specified a location within the main entry room of the facility that will publicly display an art piece. Staff is recommending use of a request for proposal process to solicit concepts from Twin Cities area artists. The request for proposal (attached with this report) lays out the process and suggests a $30,000 project budget. Although this proposal is for one specific space, additional areas in and out of the facility may be considered for further art opportunities in the future.

Project Cost Estimate

Wold and Kraus Anderson have been performing cost analysis throughout the design process. The current project cost is:

Construction Costs (Bid Day Estimate)	$3,643,353
Soft Costs*	$1,169,798
Total Project Cost Estimate	$4,813,151

**Soft costs include design (architectural and engineering), development, construction managemement, testing, inspections, insurances, furnishing and contingencies.*

Project Funding

In previous Council workshops, the funding mechanism suggested for this project was a municipal bond. Based on the $4.8M project cost, a 15-year debt service payment would result in an annual debt payment of $450,000 per year.

Project Timeline

The project timeline is anticipated as follows:

Dec 2022	Bid Due Date
Dec 2022	Council Review of Bids
May 2023	Construction Begins
September 2023	Construction Completion

Staff Recommendation

Adopt resolution approving plans and specifications and establishing a bid date of December 1, 2022 for the Glacial Valley Park Building project.

RESOLUTION NO. 2022-144

RESOLUTION APPROVING PLANS AND SPECIFICATIONS AND ESTABLISHING A BID DATE FOR THE GLACIAL VALLEY PARK BUILDING PROJECT

WHEREAS, plans and specifications have been prepared in accordance with the City standards and specifications for the Glacial Valley Park Building Project,

WHEREAS, a bid date has been established for December 1, 2022

WHEREAS, the Parks and Recreation Director has presented such plans and specifications to the City Council for approval.

NOW THEREFORE BE IT RESOLVED, by the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, approves the plans and specifications and establishes a bid date of December 1, 2022, for the Glacial Valley Park Building Project.

Passed this 2nd day of November 2022.

_____
Myron Bailey, Mayor

Attest:

_____
Tammy Anderson, City Clerk

Cottage Grove
Where Pride and Prosperity Meet

TO: Honorable Mayor and City Council

FROM: Jennifer Levitt, City Administrator

DATE: October 27, 2022

RE: Request for Artwork – Glacial Valley Park Building

Background

Glacial Valley Park, 9900 Ravine Parkway, is the newest community park along Cottage Grove's northern boundary. This area has an interesting geological history; although it appears as a dry prairie basin today, the area contains a buried bedrock valley that crosses through many communities. The valley likely eroded by meltwater from glaciers. The valley, now filled with glacial deposits, is approximately 100-200 feet deep. This area was also where the St. Croix River once flowed before it shifted to the east at its current location.

Construction is underway at Glacial Valley Park, including construction of multiple recreational fields, courts, trails, a parking lot, and the Glacial Valley Park Building (GVPB) that will include a multipurpose room, a classroom, a warming area and outdoor seating space.

Discussion

The City of Cottage Grove seeks to incorporate artwork that illustrates the area's natural glacial history along one of the GVPB's interior walls. Artwork can help reflect the focus of the park and its amenities by focusing on four themes:

Education:

The GVPB is a place where visitors learn about and connect with nature. Art at the GVPB can inspire visitors to learn more about the area's natural environment and history, wildlife and sustainability.

Sustainability:

The GVPB will be a "Net Zero" energy building, meaning any energy used by the building will be created onsite through a variety of innovative energy-saving and energy-producing measures. Art at the GVPB can reflect the sustainability of the building and inspire visitors to be more intentional about sustainable living.

Personal Development & Recreation:

People of all ages can visit the GVPB for a variety of recreational purposes. Visitors may use the building for education, celebration, business, recreational activities and more.

Accessibility:

The GVPB strives to be a place that is inclusive and accessible to all, reflects the diversity of the community, and builds bridges and social connections. Art at the GVPB can reflect the city's shared value of inclusivity and be a welcoming symbol to all.

Scope:

The City of Cottage Grove is seeking an artist or artist team[1] from the Twin Cities metro region to create and install a permanent public artwork at the new GVPB. This Request for Proposal will consist of a two-part process:

1. Applicants must submit items 1-5 as detailed in the RFP Process section of this proposal.
2. Finalists will prepare a full proposal that will include scaled drawing(s), budget and description of process for building and maintaining the artwork.

Project details and parameters:

- The artwork in question is open to artist interpretation, albeit with a focus on the regional glacial history as detailed in the Background section.
- Artists are not required to have previously completed a public art project, but successful candidates will need to demonstrate their ability to lead and complete a large, permanent (minimum 25 years) public art project.
- Artist can work in any medium appropriate for installing art on the available interior location, including enameled metal, sculpture, metal relief, mosaic, mural or combination of medium. Art must work within confinements of lighting and electrical provided in the building plans.

The building design includes one location for public art:

- Interior wall
  - Stand-alone piece of art along the wall (approximately 13'-4" wide by 9' tall).
    - Scaled to its surroundings.
    - Harmonious with the building and site materials.

The location identified for a potential art installation is on the east wall of the public lobby adjacent to the multi-purpose room. The wall is designed utilizing a medium toned burnished block with a stacked appearance. The area available on the wall is approximately 13'-4" wide by 9' tall. Lighting for this area includes linear LED strip lights 24" in length. The artwork can be surface mounted to the burnished block or hung from the structure above. Final coordination for mounting will occur with the construction manager as the installation is developed.

Budget:

The overall budget for this project is $30,000 for one piece of artwork. The budget shall include:

[1] Up to three lead artists working together on the artistic aspects of the commission. Any hiring of a technical consultant or fabricator will not be considered part of an artist team.

- Artist design time.
- Applicable materials not already provided in the building construction budget.
- Engineering consultations and associated labor and fabrication costs.
- Art installation and any other expenses.

If the design selections are approved by a review committee (as detailed in the RFP Process section), a separate contract would be entered into for the labor, fabrication, and installation of the artwork.

RFP Process

Finalist Selection Process:

A review committee will select 2-4 artists or artist teams based upon the materials provided in response to this RFP, the artist's approach to this project, and the track record of the artist's adherence to budget and schedule.

Submission Process:

Submit items 1-5 as listed below by email no later than February 28, 2023, at 11:59 p.m. Submit items to Eric Rigby at erigby@cottagegrovemn.gov.

If you need assistance creating documents or preparing work samples to submit, please contact Taylor Bengtson at tbengtson@cottagegrovemn.gov.

Items to Submit:

In one PDF document:

1) **Applicant information sheet**
   a) Submit the following contact information: name, email, phone, address.
   b) List above information for any additional artist team members, if applicable. Note: other artist team members must also meet eligibility requirements. Outside experts do not have to be considered artist team members.
2) **Resume**
   a) A professional resume, maximum two pages.
   b) A resume for each artist team member, if applicable. Maximum two pages for each resume.
3) **Draft proposal and description**
   a) Include description of the art proposal and how it meets the objectives and themes described.
   b) Include draft imagery to acquaint the review committee with the intended final product.
   c) List the proposed materials used.
   d) Describe the construction (including tools and location).
   e) Describe the installation process.
   f) Describe the durability and potential maintenance requirements for life of artwork.

In a separate document or as email attachments:

4) **Artistic work samples**
   a) Six (6) artistic work samples. Prepare the samples in any of the following formats:
      i) PDF
      ii) Video in a .mov, .mp4, .m4v, .wmv, .avi file types
      iii) Image in a JPEG or PNG file type

5) **Insurance**
   a) All proposers must provide a copy of insurance. More information about the specific insurance requirements will come at a later date.

Schedule:

The anticipated schedule for this process is as follows:

• Proposals due	February 28, 2023, 11:59 p.m.
• Invitation of 2-4 finalists to submit full proposals	1-2 weeks
• Finalist full proposals due	1-2 weeks
• Finalist interviews/presentations	1-2 weeks
• Artist(s) selected and contract approval	1-2 weeks
• Artist(s) begin work	3 months
• Completed work finished/installed	August or September 2023

Recommendation

That the City Council approve the schedule and parameters for this RFP.

KRAUS-ANDERSON®

Cottage Grove
Where Pride and Prosperity Meet

CG Glacial Valley Park Facility
City of Cottage Grove
10/4/2022

Description	DD Estimate Update	CD Estimate Update	Construction Budget	Current Overall Budget	
	CG Glacial Valley Park Facility			CG Glacial Valley Park Facility	
Update Date	10/04/22	10/04/22	10/04/22	10/04/22	
PROJECT REVENUE / FUNDING	$3,230,000.00	$3,230,000.00	X	DO NOT MODIFY	
Funding	$3,230,000.00	$3,230,002.00		$0.00	
TOTAL PROJECT REVENUE	$3,230,000.00	$3,230,002.00	$0.00	$0.00	
Project Revenue Proportions	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
PROJECT AREA BREAKDOWN					
New Construction GSF	*5,221*	*5,221*		*0*	
Total GSF	*5,221*	*5,221*	*0*	*0*	
Site Area (Acres)	*1*			*0*	
CONSTRUCTION COSTS					
Site	$159,730.00			$0.00	Estimate or Bid Result
New Construction	$2,360,695.00	$3,643,353.00		$0.00	Estimate or Bid Result
Value Engineering / Outstanding Scopes of Work				$0.00	
Design Contingency	$47,888.08			$0.00	2%
Total Bid Day	$2,568,313.08	$3,643,353.00	$0.00	$0.00	Formula
Contingency					
Remaining Contingency	$128,415.65	$182,167.65	$0.00	$0.00	5%
Pending Changer Orders			$0.00	$0.00	PCO Log Totals
Executed Change Orders			$0.00	$0.00	Executed Change Orders
Construction Management					
General Conditions	$50,000.00	$75,000.00		$0.00	
CM Reimburseables	$80,000.00	$98,000.00	$0.00	$0.00	Reimbursables, Bonds, Insurance
Construction Management Fee	$73,216.80	$109,300.59	$0.00	$0.00	3% Bldg & 1.5% Site
Site Services	$237,000.00	$237,002.00		$0.00	Assumes 6 months
CONSTRUCTION COSTS SUB TOTAL	$3,136,945.53	$4,344,823.24	$0.00	$0.00	
Construction Cost / GSF	$600.83	$832.18	#DIV/0!	#DIV/0!	
Percent Construction Cost	90%	92%	#DIV/0!	#DIV/0!	
SOFT COSTS					
Design Fees and Reimbursable					
A/E Fee - Wold Architects	$192,000.00	$304,137.63	$0.00	$0.00	Based on email from Wold 6/27
A/E Reimbursable	$4,000.00	$15,206.88	$0.00	$0.00	Based on email from Wold 6/27
Permits, Plan Reviews & Fees	$20,000.00				Budget
Building Permit & Plan Review				$0.00	
Plumbing Plan Review & Plumbing Permit				$0.00	
Dept. of Health (DOH) - Food Service Plan				$0.00	
Dept. of Health (DOH) - Water Main				$0.00	
City Project Review & Inspection Fee				$0.00	
State Surcharge				$0.00	
Metropolitan Council SAC	$10,000.00	$10,000.00		$0.00	
WREC / WAC				$0.00	City Based Utility Costs
SREC / SAC				$0.00	City Based Utility Costs
Trunk Utilities (Storm, Sanitary, Water)				$0.00	City Based Utility Costs; Often a Rural Cost
Park Dedication Fee				$0.00	Reference City Planning / Permitting costs
City/County Road Special Assessment				$0.00	Determined by City / County Rd Impacts
Sign Permits				$0.00	Calculate via State/City Permit calculator
Utilities - Connections					
Power	$0.00	$0.00		$0.00	In other project.
Gas	$0.00	$0.00		$0.00	In other project.
Fiber	$0.00	$0.00		$0.00	In other project.
Phone	$0.00	$0.00		$0.00	In other project.
Pre-Construction Surveys & Studies					
Site Survey				$0.00	Part of Design / Verify w/ Architect
Geotechnical Survey - Soil Borings				$0.00	Part of Design / Verify w/ Architect
Environmental Study (EAW Ph1/Ph2)				$0.00	Part of Design / Verify w/ Architect
Wetland Delineation, Watershed, MPCA				$0.00	Part of Design / Verify w/ Architect
Traffic & Parking Study				$0.00	Part of Design / Verify w/ Architect
Hazardous Material Survey				$0.00	Part of Design / Verify w/ Owner
Testing & Inspections					
Construction Surveying				$0.00	
Construction Testing & Inspections	$18,000.00	$18,000.00		$0.00	Budget
HVAC - Testing & Balancing				$0.00	With project costs
HVAC - Commissioning				$0.00	KA to Solicited / Verify w/ Owner
Bidding, Legal, Finance & Misc.					
Bid Advertisement, Printing, Plan Distribution				$0.00	Verify w/ Owner
Bond Issuance Fees				$0.00	Verify w/ Owner
Legal Fee Allowance				$0.00	Verify w/ Owner
Builders Risk Insurance	$12,000.00	$12,000.00		$0.00	Verify w/ Owner
Land Purchase				$0.00	Verify w/ Owner; May be separate Budget
Land Acquisition Expenses				$0.00	Verify w/ Owner; May be separate Budget
Final Cleaning				$0.00	In construction
Moving, Storage, Transition				$0.00	Verify w/ Owner
Signage				$0.00	
Misc. Owner Expenditure				$0.00	Verify w/ Owner
Soft Cost Contingency	$6,400.00	$8,983.61	$0.00	$0.00	
FF&E Expenses					
Furniture Allowance/Costs				$0.00	Reference Past Proj. or Verify with Architect
Specialty Equipment (Zamboni)				$0.00	Reference Past Proj. or Verify with Architect
Equipment Allowance				$0.00	Reference Past Proj. or Verify with Architect
Technology Allowance				$0.00	Reference Past Proj. or Verify with Architect
Furnishings / Consultant Fees	$0.00	$0.00	$0.00	$0.00	x%; Verify with AE
FFE Contingency	$100,000.00	$100,000.00	$0.00	$0.00	x%; Verify with Owner
SOFT COSTS SUB-TOTAL	$362,400.00	$468,328.12	$0.00	$0.00	
Soft Costs / SF	$69.41	$89.70	#DIV/0!	#DIV/0!	
Percent Soft Costs	10%	10%	#DIV/0!	#DIV/0!	
TOTAL PROJECT COSTS	$3,499,345.53	$4,813,151.36	$0.00	$0.00	Constr. Cost + Soft Costs
Project Cost / GSF	$670.24	$921.68	#DIV/0!	#DIV/0!	*Total Project Cost / Total GSF*
VARIANCE (OVER) / UNDER	($269,345.53)	($1,583,149.36)	$0.00	$0.00	Total Project Revenue / Total Project Costs

MN

GLACIAL VALLEY PARK BUILDING

CITY OF COTTAGE GROVE

Cottage Grove, MN

222064

VIEW FROM SOUTHEAST TOWARDS ENTRY

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7773

CIVIL ENGINEER
Bolton & Menk, Inc.
Valley Square Office Center, Suite 200
7676 Golden Valley Road
Minneapolis, Minnesota 55427
Tel: (763) 544-7129
Fax: (612) 546-0531

STRUCTURAL ENGINEER
BKBM Engineers, Inc.
6120 Earle Brown Drive, Suite 700
Minneapolis, Minnesota 55430
Tel: (763) 843-0420
Fax: (763) 843-0421

MECHANICAL ENGINEER
Wold Architects and Engineers
332 Minnesota Street
Suite W Two Thousand
Saint Paul, Minnesota 55101
Tel: (651) 227-7773
Fax: (651) 223-5646

ELECTRICAL ENGINEER
Wold Architects and Engineers
332 Minnesota Street
Suite W Two Thousand
Saint Paul, Minnesota 55101
Tel: (651) 227-7773
Fax: (651) 223-5646

CIVIL (FOR REFERENCE ONLY)

C1.0	SITE LAYOUT AND FINISHING PLAN, LANDSCAPE PLAN, DETAILS AND NOTES

ARCHITECTURAL

A0.001	CODE ANALYSIS AND CODE PLAN
A2.001	MAIN LEVEL FLOOR PLAN AND REFLECTED CEILING PLAN
A2.095	ROOF PLAN
A2.901	DOOR/FRAME/ STOREFRONT TYPES
A4.101	DETAILS - GENERAL - SYMBOLS, ABBREVIATIONS, ENLARGED PLANS
A4.701	DETAILS - INTERIOR WALL TYPES
A4.705	DETAILS - WALL DETAILS
A4.706	DETAILS - INTERIOR ELEVATIONS
A4.707	DETAILS - INTERIOR CASEWORK ELEVATIONS AND SECTIONS
A4.801	DETAILS - INTERIOR DETAILS
A5.101	EXTERIOR ELEVATIONS
A5.200	EXTERIOR WALL AND PARAPET ASSEMBLIES
A5.201	WALL SECTIONS
A5.202	WALL SECTIONS
A5.203	WALL SECTIONS
A5.501	DETAILS - EXTERIOR WALL
A5.502	DETAILS - EXTERIOR WALL
A5.503	DETAILS - EXTERIOR WALL
A5.601	DETAILS - EXTERIOR OPENINGS
A5.602	DETAILS - EXTERIOR OPENINGS
A5.603	DETAILS - EXTERIOR OPENINGS
A5.701	DETAILS - EXTERIOR ROOF
A6.001	DETAILS - SITE

STRUCTURAL

S0.000	TITLE SHEET
S2.001	FOUNDATION AND ROOF FRAMING PLAN
S2.101	BRACED FRAME ELEVATIONS
S3.001	SECTIONS AND DETAILS - FOUNDATION
S3.101	SECTIONS AND DETAILS - ROOF
S4.001	SCHEDULES AND DETAILS

MECHANICAL

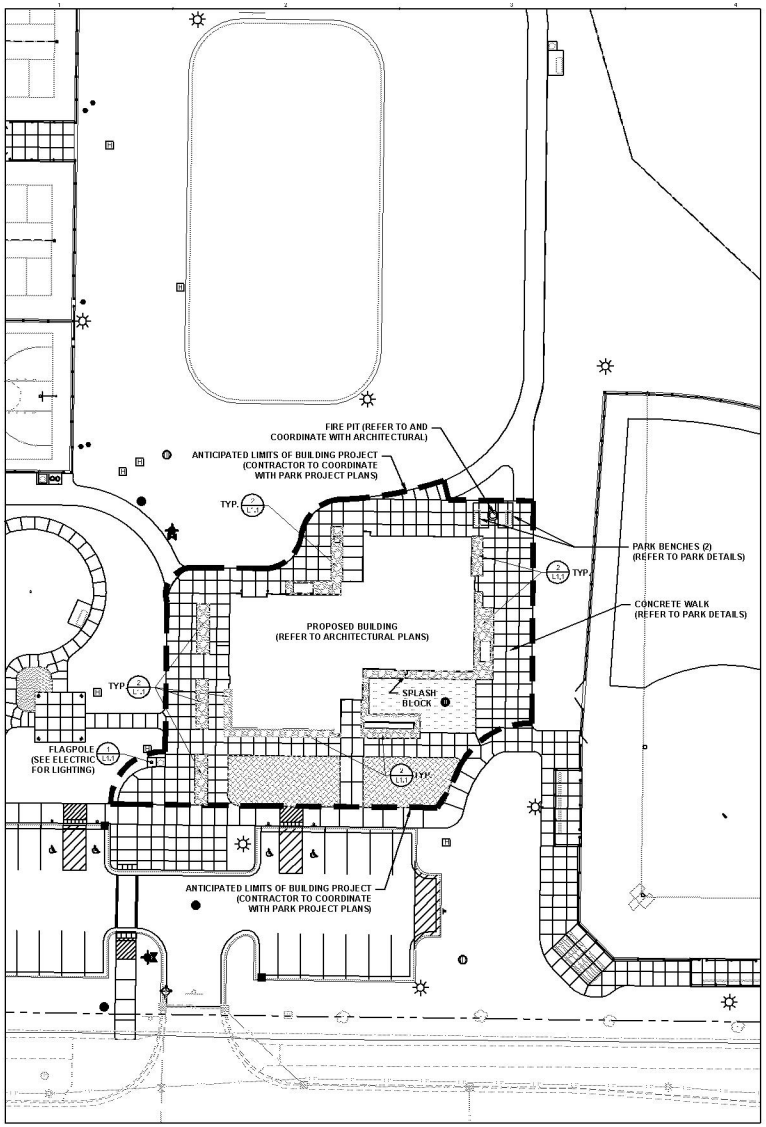
M0.0	MECHANICAL TITLE SHEET
M1.0	PLUMBING PLAN
M2.0	HYDRONIC PLAN
M3.0	HVAC PLAN
M4.0	MECHANICAL ROOF PLAN
M5.0	FIRE SUPPRESSION PLAN
M6.0	SCHEMATICS AND DETAILS
M6.1	SCHEMATICS AND DETAILS
M6.2	SCHEMATICS AND DETAILS
M6.3	SCHEDULES

ELECTRICAL

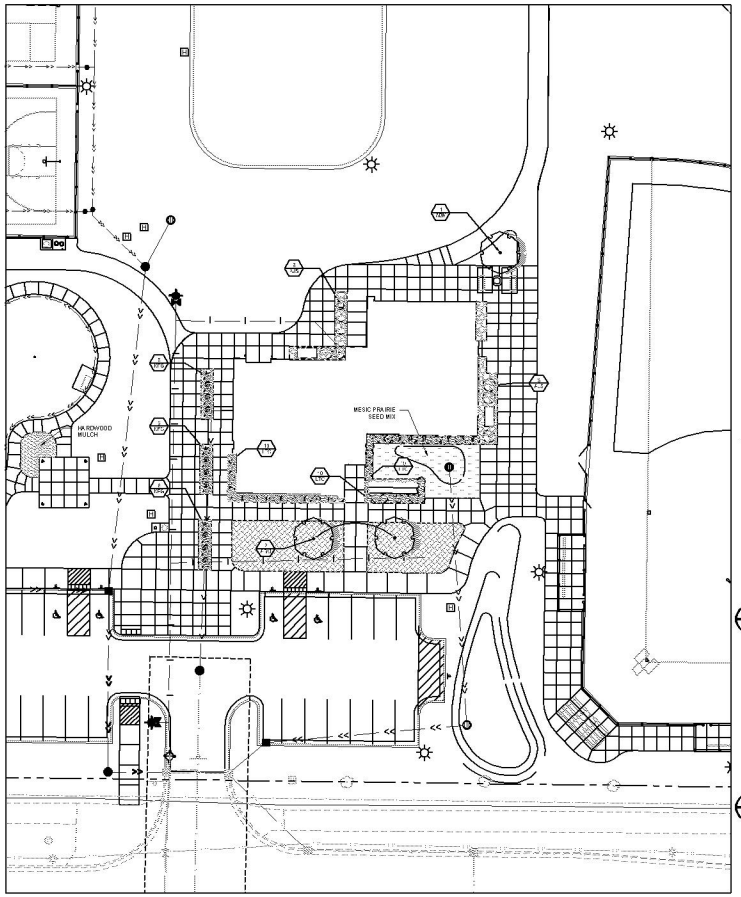
E0.00	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.01	ELECTRICAL SITE PLAN
E1.00	LIGHTING/POWER & SYSTEMS PLAN
E2.00	MOTOR AND LUMINAIRE SCHEDULE
E3.00	ROOF PLAN - SOLAR PANEL

100% CD DRAWINGS
NOT FOR CONSTRUCTION

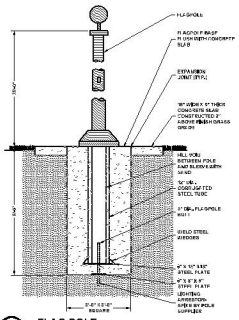
Set No:_____
Comm No: 222064



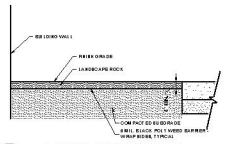
SITE LAYOUT AND FINISHING PLAN



LANDSCAPE PLAN



1 C1.1 FLAG POLE



2 C1.1 LANDSCAPE ROCK BED

LEGEND

- SOD
- MESIC PRAIRIE (MNDOT SEED MIX 35-441)
- PROPOSED HARDWOOD MULCH BED
- PROPOSED LANDSCAPE ROCK

NOTES:

1. REFER TO SHEET C3.01 - GRADING AND DRAINAGE PLAN FOR GENERAL NOTES.
2. ALL APPLICABLE DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT OR CENTERLINE OF FENCE, UNLESS OTHERWISE NOTED.
3. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
4. LANDSCAPE ARCHITECT MUST INSPECT AND APPROVE FINISH GRADING BEFORE CONTRACTOR PROCEEDS WITH SODDING OR SEEDING.
5. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SEEDED AND SODDED.
6. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SEED OR RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
7. BEGIN TURF ESTABLISHMENT IMMEDIATELY AFTER SODDING OR SEEDING. REFER TO SPECIFICATION FOR PROCEDURE.
8. ALL TREES TO BE BALLED AND BURLAPPED.
9. ALL TREES SHALL RECEIVE 4" DEPTH OF CLEAN SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
10. ALL PLANT MATERIALS SHALL BE NO. 1 QUALITY, NURSERY GROWN AND SPECIMENS MUST BE MATCHED. ALL OVERSTORY TREES SHALL BEGIN BRANCHING NO LOWER THAN 6'.
11. REFER TO SHEET C1.20 FOR CITY LANDSCAPE-RELATED DETAILS.

PLANT_SCHEDULE

DECIDUOUS TREES	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
	QG	QUERCUS X MACDANIELII 'CLEMONS' TM	HERITAGE OAK	3" CAL.	B&B	3

PERENNIALS	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY
	KFG	CALAMAGROSTIS X ACUTIFLORA	KARL FOERSTER GRASS	#1	CONT.	18
	LTC	NEPETA RACEMOSA 'LITTLE TITCH'	LITTLE TITCH LOW CATMINT	#1	CONT.	48
	AJS	SEDUM 'AUTUMN JOY'	AUTUMN JOY SEDUM	#1	CONT.	9

FOR REFERENCE ONLY
WORK TO BE ACCOMPLISHED BY PH-1 SITE CONTRACTOR

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed LANDSCAPE ARCHITECT under the laws of the State of Minnesota

Jay R. Pomeroy
License Number 23643 Date 10/24/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/24/2022
Drawn: DCS
Check: JRP
North

SITE LAYOUT AND FINISHING PLAN, LANDSCAPE PLAN, DETAILS AND NOTES

Scale: 1" = 20'

C1.1

MN

BUILDING # 1

CODE ANALYSIS (IBC 2018)
SPRINKLERED

1. OCCUPANCY CLASSIFICATIONS — **SECTION 302**

A. SECTION 303, ASSEMBLY: GROUPS A-3
B. SECTION 311, STORAGE: GROUPS S-1

2. INCIDENTAL USE AREAS — **TABLE 509**

BOILER ROOM (OVER 15 PSI AND 10 HP) — 1 HR OR SPRINKLER AND CONST. RESISTING SMOKE

3. MIXED OCCUPANCIES — **SECTION 508**

A. RATIO:
1. NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES OR AREAS MAIN OCCUPANCY PER 508.2.5.
2. PER 508.2, ACCESSED BY OCCUPANCIES ARE DEFINED AS NOT OCCUPYING MORE THAN 10% OF MAIN OCCUPANCY, SMALL ASSEMBLY AREAS OF LESS THAN 750 S.F. (303.1.2) OR ASSEMBLY AREAS ACCESSORY TO GROUP E (303.1.3)
3. GROUP S-1 IS ACCESSORY TO MAIN OCCUPANCY A-3.

4. CONSTRUCTION TYPE / FIRE RESISTANCE — **TABLE 601 / 602**

A. TYPE VB

BUILDING ELEMENT	FIRE RESISTANCE
STRUCTURAL FRAME	0 HR
EXT. BEARING WALLS	0 HR
INT. BEARING WALLS	0 HR
EXT. NON-BEARING WALLS	0 HR, > 30 FT.
INT. NON-BEARING WALLS	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR

5. GENERAL BUILDING HEIGHT AND AREA — **SECTION 504 / 506**

A. ALLOWABLE HEIGHT AND AREAS (INCLUDING SPRINKLER)

GROUP	CONST TYPE TABLE 601	ALLOWABLE HEIGHT TABLE 504.3	ALLOWABLE NUMBER OF STORIES TABLE 504.4	ALLOWABLE AREA TABLE 506.2	MIXED OCCUPANCY NON-SEPARATED USE 508.3
A-3	V-B	60 FT	2 STORIES	24,000 S.F.	X
S-1	V-B	60 FT	2 STORIES	36,000 S.F.	

6. ALLOWABLE AREA MODIFICATIONS — **SECTION 506**

A. MIXED OCCUPANCY, ONE-STORY BUILDING 506.2.2

1. GROUP A-3

a. EQUATION 5-1 (506.2.1) :
A(t) = A(1) + [NS * 1.5]
A(t) = 24,000 + [0.000 * 0.5]
A(t) = 27,139 SF

b. EQUATION 5-6 (506.3.3) : AREA INCREASE DUE TO FRONTAGE
Is) = [I/F - 0.25] * W/30
Is) = [312,000 - 0.25] * 30/30
Is) = 0.82

2. GROUP S-1

a. EQUATION 5-1 (506.2.1) :
A(t) = A(1) + [NS * 1.5]
A(t) = 36,000 + [0.000 * 0]
A(t) = 36,000 SF

b. EQUATION 5-6 (506.3.3) : AREA INCREASE DUE TO FRONTAGE
Is) = [I/F - 0.25] * W/30
Is) = [0.0000 - 0.25] * 30/30
Is) = 0

3. MIXED OCCUPANCY RATIO — 508.4.2

GROUP A-3		GROUP S-2		
4,882 /27,139	+	450 /36,000	=	
0.18	+	0.01	=	<1

B. ACTUAL AREA

GROUP	MAIN LEVEL
A-3	4,882 SF
S-1	450 SF

TOTALS: 5,142 SF

7. MEANS OF EGRESS — **CHAPTER 10**

A. TRAVEL DISTANCES/ EXIT SYSTEMS

1. COMMON PATH OF EGRESS TRAVEL (TABLE 1006.2.1) = 75 FT.
(TO A POINT IN HERE OCCUPANT HAS TWO MEANS OF EGRESS.)

2. EXIT ACCESS TRAVEL DISTANCE — TABLE 1017.2
(TRAVEL DISTANCE TO A N EXIT OR A RATED EXIT SYSTEM.)

OCCUPANCY	W/O SPRINKLER	W/ SPRINKLER
A-3, S-1	200	250

8. WALL AND CEILING FINISHES — **TABLE 803.13**

SPRINKLERED

GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
A-3	B	B	C
S	C	C	C

9. RECYCLING SPACE — **MN CODE 1303.15**

TABLE 1-A

USE	FACTOR	S.F. / USE	S.F. REQUIRED
CLASSROOMS	0.002	2,254	5
MECHANICAL EQUIP ROOM	0.001	150	1
STORAGE AND STOCK ROOMS	0.0025	937	2
ALL OTHERS	0.0025	1,151	3
TOTAL RECYCLING SPACE REQUIRED			11 S.F.

10. PLUMBING FIXTURE COUNT — **TABLE 2902.1**

A. "A-3" OCCUPANCY

		MEN			WOMEN		TOTAL	
1.	OCCUPANTS	100			104		207	
2.	FIXTURE RATIO	WC 1:125	URINAL <2.0 OF WC	LAV 1:200	WC 1:65	LAV 1:200	DRINKING FOUNTAINS 1:500	SERVICE SINK 1
3.	FIXTURES REQUIRED	1	NONE	1	2	1	1	1
4.	ACTUAL FIXTURES	1	NONE	1	2	2	2	2

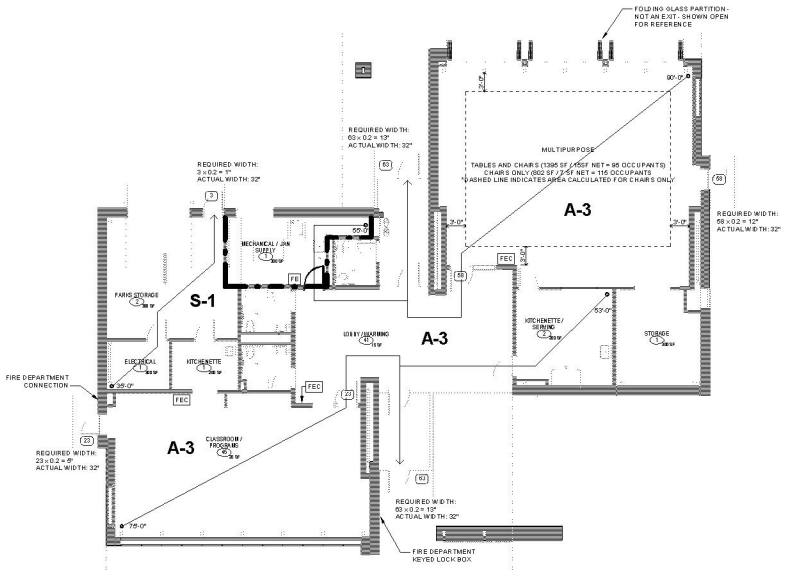
11. ENERGY CODE

THE ENERGY CODE USED FOR THIS PROJECT IS
2018 INTERNATIONAL ENERGY CONSERVATION CODE
THE BUILDING IS IN ZONE # 6a

CODE LEGEND

MAIN PATH OF EGRESS
EXIT LOAD
OCCUPANT LOAD
OCCUPANT FACTOR
1 HOUR FIRE BARRIER
(SHAFT ENCLOSURES: 707.3.1, INCIDENTAL USE AREAS: 509, OCCUPANCY SEPARATIONS: 508.4, INTERIOR EXIT STAIRWAY: 1023.2/EXIT ACCESS STAIRWAY: 1099.3.1)

DOOR OPENINGS:	60 MIN. (SHAFT ENCLOSURES)
	45 MIN. (INCIDENTAL USE AREAS, OCCUPANCY SEPARATIONS)
GLAZING:	60 MIN. OPENINGS: 100 SQ. IN MAX., 37" MAX HT, 10" MAX WIDTH
	45 MIN. OPENINGS: 1296 SQ. IN MAX., 54" MAX HT, 54" MAX WIDTH
DUCTWORK:	60 MIN. FIRE DAMPER (NOT REQUIRED WITH DUCTED HVAC)
	60 MIN. FIRE/SMOKE DAMPER (AT SHAFT ENCLOSURES)



11 CODE PLAN - MAIN LEVEL
1/8" = 1'-0"

100% CD DRAWINGS
NOT FOR CONSTRUCTION

GLACIAL VALLEY PARK BUILDING

9800 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

EFFECTIVE CODE REFERENCES

2020 MINNESOTA STATE BUILDING CODE (MSBC), CHAPTER 1305, WHICH ADOPTS AND AMENDS THE 2018 INTERNATIONAL BUILDING CODE (IBC)

2020 MINNESOTA STATE MECHANICAL AND FUEL GAS CODE, CHAPTER 1346

2020 NATIONAL ELECTRICAL CODE (NEC)

2015 MINNESOTA STATE PLUMBING CODE, CHAPTER 4714

2020 MINNESOTA STATE FIRE CODE, WHICH ADOPTS AND AMENDS THE 2018 INTERNATIONAL FIRE CODE

2020 MINNESOTA COMMERCIAL ENERGY CODE, CHAPTERS 1322 & 1323

2020 MINNESOTA ACCESSIBILITY CODE, CHAPTER 1341

2020 MINNESOTA ELEVATOR AND RELATED DEVICES CODE, CHAPTER 1307

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT
under the laws of the State of Reg. State

John McNamara
License Number: 24281 Date: 10/25/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/25/2022
Drawn: TC/MS
Check: Checker

CODE ANALYSIS AND CODE PLAN

Scale: As indicated

A0.001

A

MN

A

DOOR / OPENING SCHEDULE

DOOR NO.	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	FRAME OVERALL WIDTH	FRAME TYPE	FRAME DEPTH	FRAME MATL	GL	MOUNTING CONDITIONS HEAD	JAMB	SILL	HDW GRP	REMARKS
100A	AL	1	3'-4"	7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	01	1, 2
100B	AL	1	3'-4"	7'-10"	AL	--	3'-0"	SF 3	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	03	1, 2
102A	AL	1	3'-4"	7'-10"	AL	--	3'-0"	SF 1	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	01	1, 2
102B	AL	1	3'-4"	7'-10"	AL	--	3'-0"	SF 5	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	03	1, 2
103	F	1	3'-0"	7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	06	
104	F	1	3'-0"	7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	06	
105	F	1	3'-0"	7'-2"	WD	45 MIN	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	10	1
106	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	06	
107A	FG	1	3'-0"	7'-10"	WD	--	7'-4"	FR 3A	--	HM	--	06/A4.801	C5/A4.801	C7/A4.801	12	1
107B	AL	1	3'-0"	7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	02	1
108A	F	1	3'-0"	7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	11	1
108B	F	1	3'-0"	7'-10"	HM	--	3'-4"	FR 1	--	HM	--				01	1
108C	OH	1	10'-0"	8'-0"	ST	--	10'-4"	OH	--	--	--					
109	F	1	3'-0"	7'-0"	HM	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	07	
110A	FG	1	3'-0"	7'-10"	WD	--	7'-4"	FR 3A	--	HM	--	06/A4.801	C5/A4.801	C7/A4.801	12	1
110B	AL	1	3'-0"	7'-10"	AL	--	3'-0"	SF 7	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	02	1
111A	F	1	3'-0"	7'-2"	WD	--	3'-4"	FR 1	--	HM	--	D7/A4.801	E7/A4.801	--	06	1
111B	F	1	3'-0"	8'-0"	WD	--	3'-4"	FR 1	--	HM	--	F7/A4.801 SIM	F7/A4.801	--	09	1
111C	F	2	3'-0"	8'-7"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--				05	3
112	F	2	3'-0"	8'-7"	WD	--	6'-0"	SURFACE MOUNTED TRACK	--	--	--				05	3
SFB	AL	1	12'-0"	7'-0"	AL	--	12'-0"	FOLDING GLASS DOOR	--	AL	--	SEE ELEVATION	SEE ELEVATION	SEE ELEVATION	13	4

DOOR SCHEDULE GENERAL NOTES

1. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
2. FOR FRAME DEPTH, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:

   GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.

   MASONRY PARTITIONS:

   4" WALL: 3 3/4" FRAME
   6" WALL: 5 3/4" FRAME
   8" AND GREATER WALL: 7 3/4" FRAME

   FRAME DEPTHS ARE SCHEDULED IN NOMINAL DIMENSIONS. SEE FRAME/DOOR TYPES DETAIL SECTION 08060 FOR CORRESPONDING ACTUAL DIMENSIONS.
3. FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:

   INTERIOR NON RATED:

   CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)

   INTERIOR AND EXTERIOR RATED:

   FIRE RATED

   EXTERIOR NO-RATED:

   CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION)
4. SEE SHEET A2.001 FOR FRAME TYPES.
5. SEE SHEET A2.001 FOR DOOR TYPES.
6. AT DOOR SCHEDULE, LABEL DESIGNATION "45/20" INDICATES:

   FOR ALL OPENINGS WITH SIDE LITES AND SCHEDULED TO BE RATED FOR 20 MINUTES, THE DOOR AND ANY GLASS WITHIN THE DOOR IS TO BE RATED FOR 20 MINUTES; THE FRAME AND ADJACENT SIDELITE(S) GLASS AND FRAME IS TO BE RATED FOR 45 MINUTES.

DOOR SCHEDULE REMARKS

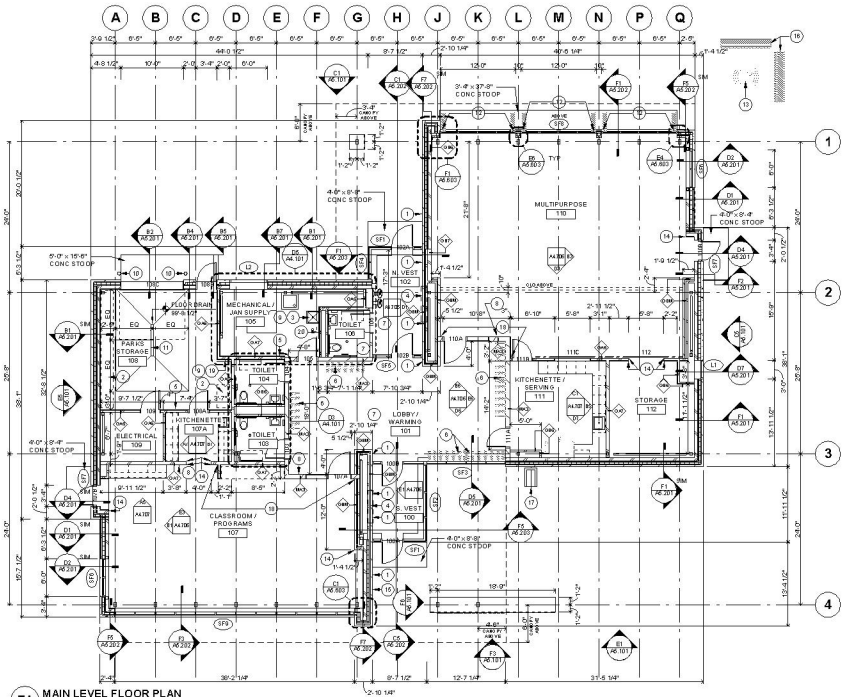
1. CARD READER. SEE HARDWARE SPECIFICATIONS AND ELECTRICAL DRAWINGS.
2. HANDICAP ACTUATORS (ET TWO EXTERIOR VESTIBULE DOORS).
3. 5'-0" OPENING FOR SLIDING BARN DOOR ASSEMBLIES.
4. TOTAL OF THREE (3) FOLDING GLASS DOORS - SEE STORE FRONT TYPES ELEVATIONS FOR ADDITIONAL INFORMATION.

PLAN GENERAL NOTES

1. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. WALL THICKNESSES ARE SHOWN NOMINAL, SEE WALL TYPES FOR ACTUAL THICKNESS.
2. ALL GYP. WALLS ARE TO BE 5 INCHES THICK UNLESS OTHERWISE NOTED.
3. ALL CONCRETE BLOCK WALLS ARE TO BE 8 INCHES THICK UNLESS OTHERWISE NOTED.
4. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECH. AND ELEC. PROVIDE ALL REQUIRED LINTELS FOR OPENINGS. SEE LINTEL SCHEDULE.
5. FIELD VERIFY ALL MILLWORK OPENINGS.
6. SET FLOOR DRAINS 3/4" BELOW FINISHED CONCRETE FLOORS UNLESS OTHERWISE NOTED. PROVIDE CONSISTENT SLOPE FROM WALLS TO DRAIN BY SLOPING CONCRETE, MIN. 1/4" PER FOOT.
7. VERIFY LOCATION, SIZE AND QUANTITY OF ALL MECHANICAL AND ELEC TRICAL EQUIPMENT PADS.
8. ALL DOOR/SIDELITE OPENINGS TO BEGIN 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
9. ALL GYP. WALLS ARE CENTERED ON GRID UNLESS OTHERWISE NOTED.
10. FIRE RATED WALLS ARE INDICATED ON CODE PLANS.
11. REFER TO DETAIL A2/A4.706 FOR TYPICAL JOINT TREATMENT BETWEEN GYPSUM BOARD AND MASONRY ASSEMBLIES.
12. REFER TO SHEET A4.705 FOR TYPICAL SLAB ON GRADE VAPOR BARRIER DETAILS.

FLOOR PLAN KEY NOTES:

1. DOOR ACTUATORS.
2. INDUSTRIAL SHELVING, NIC.
3. MOP SINK - SEE MECHANICAL.
4. CABINET UNIT HEATER. SEE DETAIL 9/GM4.705. SEE MECH. FOR SPECIFICATIONS; COORDINATE LOCATION WITH MECH.
5. PROVIDE WALL MOUNTED FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
6. INTERIOR WOOD BENCH, NIC.
7. ALTERNATE NO. 2 - REMOVABLE RUBBER FLOOR TILE.
8. PROVIDE RECESSED CABINET AND FIRE EXTINGUISHER PER SPECIFICATIONS. VERIFY LOCATION WITH OWNER/ARCHITECT.
9. FRP 9'-0" A.F.F. AND EXTENDING 2'-0" TO EACH SIDE OF MOP SINK/HOSE BIB U.N.O.; SEE SPECIFICATION 06 83 00.
10. BOLLARD, SEE DETAIL 6/A6.001
11. TRENCH DRAIN, SEE MECHANICAL.
12. FOLDING GLASS DOOR SYSTEM.
13. MANUFACTURED FIREPLACE; COORDINATE LOCATION WITH CIVIL.
14. CORNER GUARDS, TYP.; SEE SPECIFICATIONS.
15. RECESSED FIRE DEPARTMENT KEYED LOCK BOX.
16. EXTERIOR BENCH.
17. CONCRETE SPLASH BLOCK. SEE DETAIL 8/GA6.001
18. THERMALLY MODIFIED WOOD SIDING; SEE SPECIFICATIONS AND ELEVATION.
19. HOSE BIB, SEE MECHANICAL.
20. EMERGENCY EYEWASH, SEE MECHANICAL.



ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	N WALL - TYP MATL	N WALL - TYP FIN	E WALL MATL	E WALL FIN	S WALL MATL	S WALL FIN	W WALL MATL	W WALL FIN	REMARKS
100	S. VEST	P TILE-1	--	--	--	--	--	--	--	MASONRY	STONE VENEER	
101	LOBBY / WARMING	P TILE-1	VB-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	MASONRY	BLK-1	1, 2, 3, 7
102	N. VEST	P TILE-1	--	--	--	MASONRY	STONE VENEER	--	--	GYP BD	PT-6A	2
103	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8
104	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	GYP BD	P TILE-2	2, 7, 8
105	MECHANICAL / JAN SUPPLY	S. CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	
106	TOILET	P TILE-1	P TILE-1	GYP BD	P TILE-2	GYP BD	P TILE-2	MASONRY	P TILE-2	GYP BD	P TILE-2	2, 7, 8
107	CLASSROOM / PROGRAMS	P TILE-1	VB-1	GYP BD	PT-6A	MASONRY	STONE VENEER	--	--	MASONRY	STONE VENEER	1, 3, 4, 5
107A	KITCHENETTE	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	4
108	PARKS STORAGE	S. CONC.	--	MASONRY	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	PT-6A	6
109	ELECTRICAL	S. CONC.	--	GYP BD	PT-6A	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	
110	MULTIPURPOSE	CPT-1	VB-1	--	--	MASONRY	STONE VENEER	GYP BD	PT-6A	MASONRY	STONE VENEER	1, 3, 5
111	KITCHENETTE / SERVING	P TILE-1	VB-1	GYP BD	PT-6A	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	B. BLOCK	4
112	STORAGE	CPT-1	VB-1	GYP BD	PT-6A	MASONRY	PT-6A	MASONRY	PT-6A	GYP BD	PT-6A	

ROOM FINISH SCHEDULE GENERAL NOTES

1. SEE DETAILS OF CONSTRUCTION FOR ABBREVIATIONS
2. IF ALL WALLS IN ROOM HAVE THE SAME FINISH, THE "N WALL TYP" COLUMN WILL BE USED.
3. DISCREPANCIES BETWEEN THE ROOM FINISH SCHEDULE AND DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
4. ON WALLS WHICH ARE COVERED WITH MILLWORK AND TACK SURFACES, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND EXCEPT FOR LOCATIONS WHICH MAY BE EXPOSED (I.E. SPACE BETWEEN MILLWORK AND TACK SURFACE.) CONCRETE BLOCK BEHIND MILLWORK AND MARKERBOARDS TO BE TOOLED.
5. REFER TO MATERIAL FINISH/ COLOR SCHEDULE FOR SPECIFIC FINISH TYPES AND COLORS.
6. FOR CEILING MATERIAL WHEN MORE THAN ONE CEILING MATERIAL OCCURS THE CEILING FINISH IS INDICATED THUS: "/".

ROOM FINISH SCHEDULE REMARKS

1. SEE INTERIOR ELEVATIONS FOR LOCATIONS OF BURNISHED BLOCK, PAINTED BLOCK, STONE, PAINT, AND VINYL BASE.
2. PROVIDE REMOVABLE RESILIENT ATHLETIC FLOORING (RAF-1) INSTALLED OVER PERMANENT P-TILE FLOORING.
3. PAINT CEILING AND ALL EXPOSED STRUCTURE (NOT INCLUDING GLU-LAM WOOD STRUCTURE), PIPING, CONDUIT, MECHANICAL DUCTS AND VENTS.
4. PROVIDE VINYL BASE AT CASEWORK.
5. SEE INTERIOR ELEVATIONS SHEET A4.705 FOR GWB REVEAL LOCATIONS.
6. SLOPE CONC. FLOOR TOWARDS TRENCH DRAIN. SEE PLANS FOR FLOOR SLOPING INFORMATION.
7. BASE CONDITION VARIES FROM WALL TO WALL - REFER TO INTERIOR ELEVATIONS.
8. PROVIDE EPOXY PT THROUGHOUT ROOM IN ALL LOCATIONS SCHEDULED FOR PT.

RCP KEY NOTES:

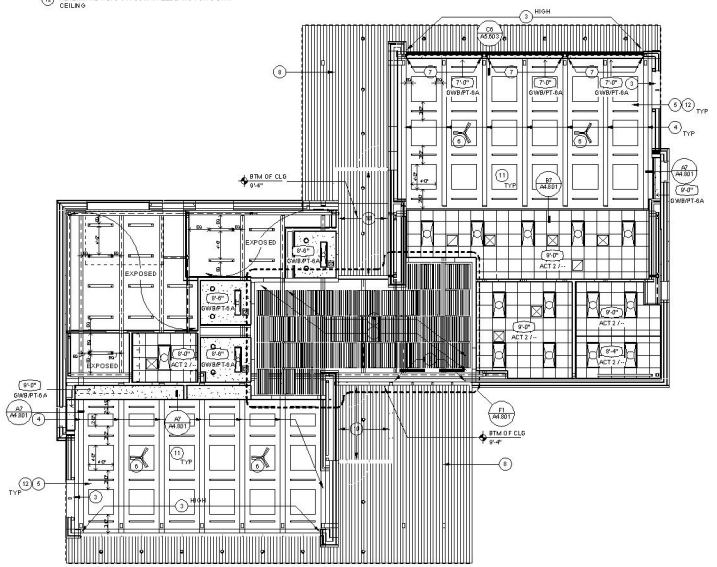
1. PAINT ALL EXPOSED STRUCTURE, MECHANICAL, ELECTRICAL AND WALLS ABOVE 9'-4" PT-5. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
2. MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.
3. INTERIOR MANUAL ROLLER SHADES.
4. STAINED AND SEALED STRUCTURAL GLUE-LAMINATED BEAMS.
5. PAINT EXPOSED METAL ROOF DECK, MECHANICAL AND ELECTRICAL PT-5. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
6. SUSPENDED CEILING FAN - SEE MECH
7. EXTERIOR MOTORIZED RETRACTABLE SCREENS (LOW)
8. THERMALLY MODIFIED WOOD SLOPING EXTERIOR RAINSCREEN SOFFIT.
9. SUSPENDED WOOD PLANK AND GRILLE CEILING. 1" X 4" NOMINAL WOOD DIMENSIONS. REFER TO ENLARGED PLAN FOR LAYOUT INFORMATION.
10. SUSPENDED TONGUE AND GROOVE THERMALLY MODIFIED WOOD CEILING.
11. FABRIC-COVERED ACOUSTICAL PANEL, AWP-1.
12. ALTERNATE NO. 3 GYPSUM WALLBOARD FUR-DOWN CEILING

RCP LEGEND

- RECESSED CAN LIGHT
- 1 X 4 LIGHT FIXTURE
- 4' STRIP LIGHT FIXTURE
- 8' STRIP LIGHT FIXTURE
- 2 X 2 LIGHT FIXTURE (IN CEILING GRID)
- 2 X 4 LIGHT FIXTURE (IN CEILING GRID)
- CEILING MOUNTED LIGHT FIXTURE
- SPEAKER
- PTD. GYPSUM BOARD CEILING / SOFFIT
- AIR DIFFUSER (IN CEILING GRID)
- RETURN AIR GRILLE (IN CEILING GRID)
- AIR DIFFUSER
- EXHAUST GRILLE
- ACCESS PANEL
- LINEAR DIFFUSER (IN CEILING GRID)
- PENDANT LIGHT FIXTURE

RCP GENERAL NOTES

1. FOR WALLS THAT PENETRATE CEILINGS SEE WALL TYPES SHOWN ON THE FLOOR PLAN.
2. SPRINKLER HEADS ARE NOT SHOWN. LOCATE ALL SPRINKLER HEADS IN THE CENTER OF CEILING TILES.
3. FOR DIFFUSER AND RETURN GRILL SIZES, SEE MECHANICAL PLANS.
4. FOR LIGHT FIXTURE TYPES, SEE ELECTRICAL LIGHTING PLANS.
5. CEILING HEIGHTS INDICATED ON PLAN (E.G. 9'-0") ARE FROM FINISHED FLOOR OF LEVEL OF PLAN SHOWN OR INDICATED AS "FOR".
6. ACOUSTICAL TILE CEILING GRID IS TO BE CENTERED IN RECTANGULAR ROOM OR CENTERED BETWEEN LONGEST WALLS OF IRREGULARLY SHAPED ROOMS UNLESS OTHERWISE NOTED.
7. VERIFY GWB CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.



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GLACIAL VALLEY PARK BUILDING

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John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

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North

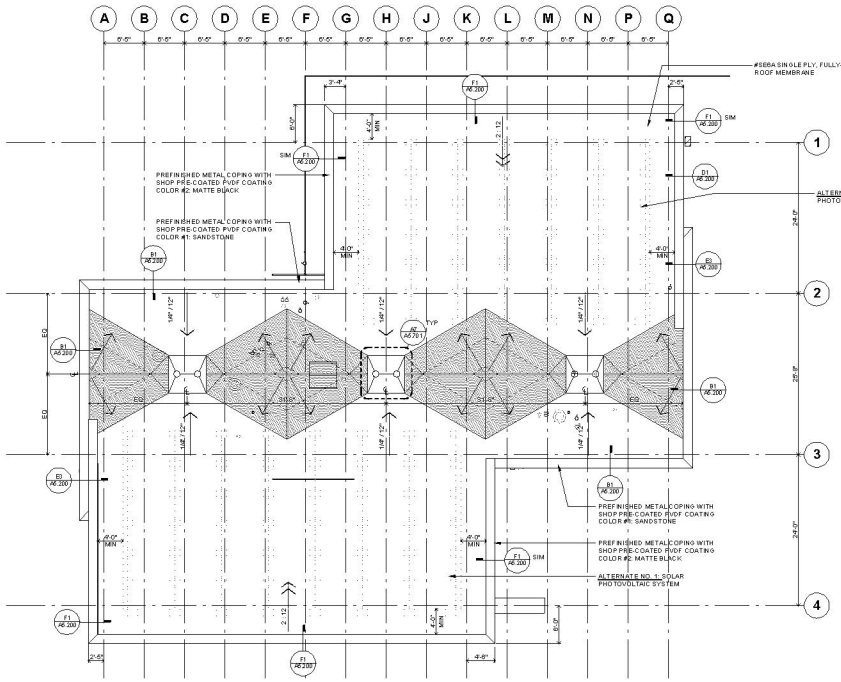
MAIN LEVEL FLOOR PLAN AND REFLECTED CEILING PLAN

Scale: As indicated

A2.001

MN

A



F3 ROOF PLAN
1/8" = 1'-0"
0 6' 12'

ROOF PLAN GENERAL NOTES

1. TAPERED ROOF INSULATION AND CRICKETS SHALL SLOPE AT 1/4" PER 1'-0". THE MINIMUM R-VALUE OF THE ROOF INSULATION INSTALLED ENTIRELY ABOVE ROOF DECK IS R-30 ci.
2. SHOP DRAWING DESIGN AND INSTALLATION OF TAPERED INSULATION MUST ACCOUNT FOR CAMBER IN STRUCTURE TO INSURE THAT THE ROOF DRAINS AS DESIGNED.
3. AT MECH. OPENINGS AND CURBS ON ROOF, PROVIDE CRICKETS AS REQUIRED FOR POSITIVE DRAINAGE OR CUT OPENINGS IN FREE-STANDING CURBS AS AN ALTERNATIVE.
4. MECHANICAL ITEM LOCATIONS ARE SHOWN FOR REFERENCE ONLY. REFER TO MECH. DRAWINGS FOR EXTENT OF MECH. EQUIP. AND SIZE AND LOCATION OF ALL ROOF PENETRATIONS.
5. ALL MECHANICAL AND ELECTRICAL ROOFTOP EQUIPMENT, PIPING, CONDUIT, ETC. TO BE PAINTED.
6. COORDINATE ROOF AND OVERFLOW DRAIN LOCATIONS WITH STRUCTURAL COMPONENTS TO AVOID LOCATING ROOF OR OVERFLOW DRAINS OVER TOP OF BEAMS OR JOISTS.
7. REFER TO EXTERIOR ELEVATIONS FOR LOCATION OF OVERFLOW SCUPPERS AND OUTFLOWS.
8. AT ALL LADDERS, TOP AND BOTTOM, PROVIDE AND INSTALL A 4'-0" X 4'-0" CONCRETE PAVER LANDING.
9. ROOF LADDERS WITH NUMBER IN PARENTHESIS INDICATE RELATIVE ROOF DECK ELEVATION DIFFERENCES, NOT INCLUDING PARAPET, VERIFY EXACT LADDER HEIGHT REQUIREMENTS.
10. CONTRACTOR TO FURNISH AND INSTALL SLIP SHEETS OF SIMILAR ROOF MATERIAL UNDER ALL POINTS OF CONTACT BETWEEN PV RACKING AND ROOFTOP.

ROOF LEGEND

- ROOF DRAIN (R.D.)
- OVERFLOW DRAIN (O.R.D.)
- MECH HOOD
- EQUIPMENT CURB AT MECHANICAL EQUIPMENT
- ROOF EXHAUST
- EQUIPMENT CURB SUPPORTING PIPING OR CONDUIT. INSTALL MAXIMUM SPACING OF 6'-0" O.C.
- VENT STACK, PIPE OR CONDUIT
- COMBUSTION STACK
- SKYLIGHT
- CRICKET FOR POSITIVE DRAINAGE
- SLOPE OF TAPERED INSULATION
- DIAMOND CRICKET (SEE TYPICAL DETAIL)
- SLOPED STRUCTURE
- ROOF LADDER

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North

ROOF PLAN

Scale: As indicated

A2.095

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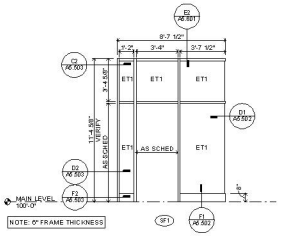
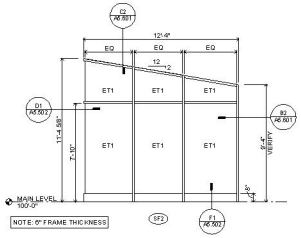
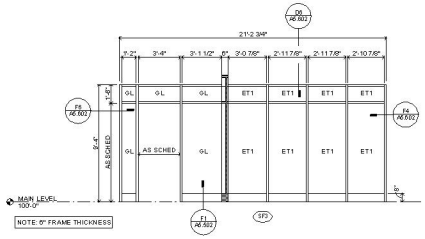
DOOR TYPES

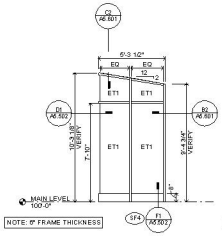


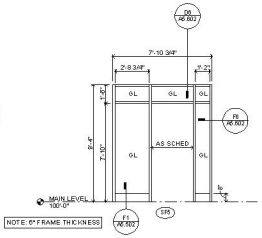


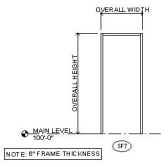
FRAME TYPES



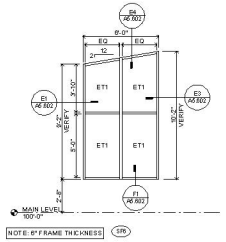
LOUVER TYPES

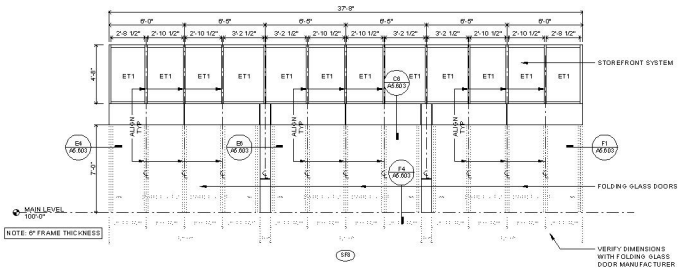


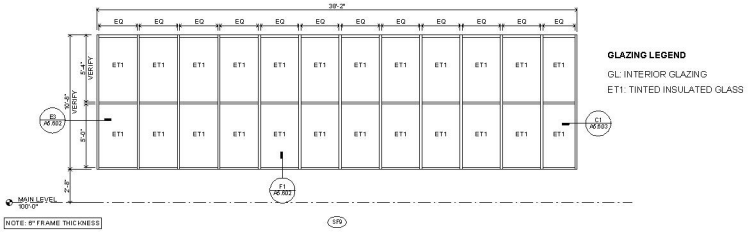




STOREFRONT TYPE ELEVATIONS







GLAZING LEGEND

GL: INTERIOR GLAZING

ET1: TINTED INSULATED GLASS

STOREFRONT TYPE ELEVATIONS

GLACIAL VALLEY PARK BUILDING

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John McNamara
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DOOR/FRAME/ STOREFRONT TYPES

Scale: 1/4" = 1'-0"

A2.901

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ABBREVIATIONS

&	AND	FFE	FINISHED FLOOR ELEVATION	RM	ROOM
@	AT	FRP	FIBERGLASS REINFORCED PANEL	RTU	ROOF TOP UNIT
ACT	ACOUSTICAL CEILING TILE	G BLK	GLAZED CONCRETE BLOCK	RUB	RUBBER
AF	ACCESS FLOORING	GA	GAUGE	RWL	RAIN WATER LEADER
AFF	ABOVE FINISHED FLOOR	GB	GRAB BAR	SBD	SMART BOARD
ALT #	ALTERNATE NUMBER	GRD BLK	GROUND FACE CONCRETE BLOCK	SCHED	SCHEDULE
ALUM	ALUMINUM	GST	GLAZED STRUCTURAL TILE	SD	SOAP DISPENSER
AP	ACCESS PANEL	GWB	GYPSUM BOARD	SF	SQUARE FOOT (FEET)
AWC	ACOUSTICAL WALL COVERING	HCAP	HANDICAPPED	SF_(#)	STOREFRONT TYPE
AWF	ACOUSTICAL WALL FABRIC	HM	HOLLOW METAL	SIM	SIMILAR
AWP	ACOUSTICAL WALL PANEL	HT	HOMOGENEOUS TILE	SND	SANITARY NAPKIN DISPENSER
B BLK	BURNISHED CONCRETE BLOCK	ID	INSIDE DIAMETER	SNR	SANITARY NAPKIN RECEPTOR
BLDG	BUILDING	INSUL	INSULATION	SST	STAINLESS STEEL
BO	BOTTOM OF	L_(#)	LOUVER TYPE	STN	STONE
BRK	BRICK	LAV	LAVATORY	STRUCT	STRUCTURAL
C BLK	CONCRETE BLOCK	LFD	LINEAR FLOOR DRAIN	TBD	TACKBOARD
C/O	CORNER GUARD	LINO	LINOLEUM	TEMP	TEMPORARY
CIP	CAST-IN-PLACE	LVT	LUXURY VINYL TILE	TERR	TERRAZZO
CJ	CONTROL JOINT	MIS	MIRROR WITH SHELF	TO	TOP OF
CL	CENTER LINE	MATL	MATERIAL	TPH	TOILET PAPER HOLDER
CLG	CEILING	MAX	MAXIMUM	TWC	TACKABLE WALL COVERING
CM	CULTURED MARBLE	MBD	MARKERBOARD	TYP	TYPICAL
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL	UL	UNDERWRITER'S LABORATORY
CONC	CONCRETE	MEF	MOSAIC EPOXY FLOORING	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	MIN	MINIMUM	UR	URINAL
CPT	CARPET	MIR	MIRROR	USF	URETHANE SLURRY FLOORING
CRF	CHEMICAL RESISTANT FLOORING	MISC	MISCELLANEOUS	V PLAS	VENEER PLASTER
CT	CERAMIC TILE	NIC	NOT IN CONTRACT	VAT	VINYL ASBESTOS TILE
CTP	COUNTERTOP	NO	NUMBER	VCT	VINYL COMPOSITION TILE
CU	CONDENSING UNIT	NSF	NON-SUP FLOORING	VIF	VERIFY IN FIELD
CUH	CABINET UNIT HEATER	NTS	NOT TO SCALE	VTR	VENT THROUGH ROOF
CW_(#)	CURTAINWALL TYPE	OH	OVERHEAD	VWC	VINYL WALLCOVERING
DEMO	DEMOLITION	P LAM	PLASTIC LAMINATE	VWF	VINYL WALL FABRIC
DF	DRINKING FOUNTAIN	P TILE	PORCELAIN TILE	W_(#)	WINDOW TYPE
DIA	DIAMETER	PLAS	PLASTER	WC	WATER CLOSET
DN	DOWN	PT	PAINT	WD	WOOD
E PT	EPOXY PAINT	PTD	PAINTED	WSCT	WAINSCOT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	PVC	POLYVINYL CHLORIDE	WWF	WELDED WIRE FABRIC
EJ	EXPANSION JOINT	PWP	PLASTIC (PHENOLIC) WALL PANEL		
ELEC	ELECTRICAL	QRT	QUARTZ		
ELEV	ELEVATION	QT	QUARRY TILE		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	R	RADIUS		
EWC	ELECTRIC WATER COOLER	RAF	RESILIENT ATHLETIC FLOORING		
EXIST	EXISTING	RCP	REFLECTED CEILING PLAN		
EXP	EXPOSED	RD	ROOF DRAIN		
FD	FLOOR DRAIN	RES	RESILIENT		
FE	FIRE EXTINGUISHER	RF	RESINOUS FLOORING		
FF&E	FIXTURES	RFT	RUBBER FLOOR TILE		
		RH	RELIEF HOOD		

SYMBOLS

EARTH, GRANULAR FILL, SAND

CONCRETE: CONCRETE/ PRECAST, TERRAZZO, TOPPING, WIRE MESH

MASONRY/ STONE: BLOCK, BRICK, MORTAR NET, CUT STONE

METAL: FERROUS, ALUMINUM, OTHER

WOOD: CONSTRUCTION LUMBER, FINISHED, PLYWOOD, PARTICLE BOARD

INSULATION: BATT, RIGID, SPRAY FOAM, SEMI RIGID

MISCELLANEOUS: EXISTING, EXISTING, DEMOLISHED

SYMBOLS

MISCELLANEOUS: TILE, ACOUSTIC TILE, PLASTER, ON METAL LATH, EXPANSION JOINT MATERIAL

PARTITIONS: METAL STUD, WOOD STUD, MASONRY, BRICK & BLOCK, CAVITY WALL, EXISTING, EXISTING, GLAZED OPENING, CONCRETE/ PRECAST, DEMOLISHED

SYMBOLS

SECTIONS — DETAIL NO, DRAWING NO

GRIDS

ELEVATIONS — INTERIOR, EXTERIOR — DETAIL NO, DRAWING NO

OPENINGS, DEPRESSIONS OR AS NOTED

DETAIL REFERENCE — DETAIL NO, DRAWING NO

NOTES, DIMENSIONS & DETAILKEYS APPLY FROM NOTED DETAIL — NOTES APPLY

MARKERBOARDS, TACKBOARDS, MAP RAILS — LENGTH, MATERIAL TYPE, 8'-0" MBD

MATCHLINE

ELEVATION

REVISIONS

ROOM NAME — CLASSROOM — CLASSROOM

ROOM NUMBER — A102 — OR — A102 ART

OWNER INFO, AS NEEDED

CEILING HEIGHT — CEILING MATL/ FIN — 9'-0" ACT by

DOOR OR WDW SWING & NO — A102

BORROWED LIGHT — A102L

EXISTING WALL/ DOOR/ OTHER

DEMOLISHED WALL/ DOOR/ OTHER

HINGE SIDE

WALL TYPES - INTERIOR — 6A2

WALL TYPES - EXTERIOR — MA-01

EXTERIOR WINDOWS — W1

STOREFRONT — SF1

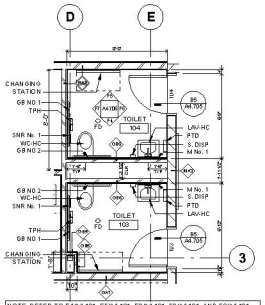
CURTAINWALL — CW1

LOUVER — L1

INTERIOR MATERIAL FINISH/ COLOR SCHEDULE

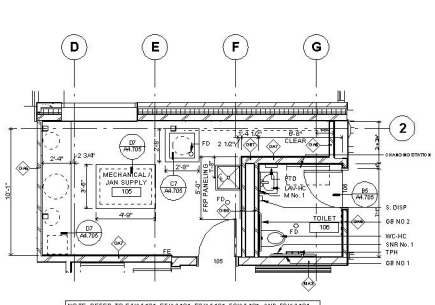
Key	Item	Manufacturer	Color/ Finish
03 45 00	Architectural Precast Concrete		
	Portland cement	As specified	Color: Color mix to match mortar sample.
	Aggregate-Color	As specified	Color:
	Aggregate-Size	As specified	Size:
	Finish	As specified	Acid Etched
04 20 00	Unit Masonry		
BUC-1	Burnished Block	County Materials	Premier Ultra Burnished; Color: Black Granite (63-290C)
06 65 10	Solid Surface Fabrications		
SSF-1	Solid Surface Fabrications	Corian	Color: Ash Aggregate
08 83 16	Fiber Reinforced Panels		
	Fiber Reinforced Panels	As Specified	Color: White
09 14 00	Wood Doors		
	Prefinished Stained Wood Door	VT Industries	Color: White Oak/ Alpine, AL18
09 36 00	Sectional Metal Overhead Doors		
	Factory Painted Door Panels	As specified	Color: As selected by Architect
09 40 00	Aluminum Entrances, Storefronts, and Curtain Walls		
	Anodized Doors Curtainwalls And Accessories	EFCO	Color: Clear anodized
	Sealant-CW/SF	As specified	Color: To match sample supplied by Architect
09 71 00	Finish Hardware		
	Butt Hinges-Exterior	As specified	US32D on stainless steel
	Butt Hinges-Interior	As specified	US26D on steel
	Flush Bolts	As specified	US26D on brass or bronze
	Exit Devices	As specified	US26D on brass or bronze
	Locks	As specified	US26D on brass or bronze
	Pulls And Push Plates/ Bars	As specified	US32D on stainless steel
	Coordinators	As specified	USP on steel
	Closers	As specified	Sprayed AL on cast iron or aluminum
	Protective Plates	As specified	US32D on stainless Steel
	Overhead Stops	As specified	US26D on brass, bronze, or steel
	Wall Stops	As specified	US26D on brass, bronze, or steel
	Magnetic Holders	As specified	Sprayed SA on ovolac
	Thresholds	As specified	Mill aluminum
	Weatherstrips And Sweep Strips	As specified	Clear anodized aluminum
	Key Cabinets	As specified	Gray enamel on steel
	Miscellaneous	As specified	US26D on brass or bronze
09 91 00	Louvers		
	Prefinished Aluminum	As specified	Custom color to match the material in which louver occurs
09 30 00	Tile		
P TILE-1	Porcelain Floor Tile	DalTile	Color: Chord Forte Grey CH25 Light Polished
P TILE-2	Porcelain Wall Tile	DalTile	Color: Color Wheel Linear H775 Matte Biscuit
	Grout- Porcelain Floor Tile	Mapei Corporation	Color: 104 Timberwolf
	Grout- Porcelain Wall Tile	Mapei Corporation	Color: 14 Biscuit
09 51 23	Acoustical Ceilings		
ACT-1	2 x 2 ACT		
09 65 00	Resilient Flooring		
VB-1	Vinyl Base	Johnsonite	Color: 460 Cotton W
09 65 66	Resilient Athletic Flooring		
RAF-1	Resilient Athletic Flooring	Sportfloor Stamina	Color: Black
09 68 00	Carpet		
CPT-1	Carpet	Milliken	Pattern/ Color: Motionscape Rapid/RAP94-79 Swift Two
09 83 13	Acoustic Wall Panels		
AWP-1	Fabric	Carnegie Xorel	Fabric/ Color: Meteor 8427-769
09 91 00	Painting		
PT-1	PT-1-Exterior HM doors and frames	Sherwin Williams	Color: SW 7069 Iron Ore
PT-2	PT-2-Exterior Misc. Metals, Mech. Piping, Equipment	Sherwin Williams	Color: SW 7069 Iron Ore
PT-3	PT-3-Exterior Rooftop Equipment	Sherwin Williams	Color: SW 7069 Iron Ore
PT-4A	PT-4A-Interior HM Frames	Sherwin Williams	Color: SW 7069 Iron Ore
PT-4B	PT-4B-Interior HM Doors	Sherwin Williams	Color: SW 7069 Iron Ore
PT-5	PT-5-Interior Misc. Metals	Sherwin Williams	Color: SW 7069 Iron Ore
PT-6A	PT-6A-Walls	Sherwin Williams	Color: SW 7001 Marshmallow
PT-9	PT-9-Ceilings	Sherwin Williams	Color: SW 7069 Iron Ore
12 24 00	Window Shades		
	Window Shades	SWF contract	Color: Zenith Ebony Stripe C9506
12 32 16	Plastic Laminate Casework		
PLAM-1	Plastic Laminate	Pionite	Color: Wisconsin Oak WO581-60
PLAM-2	Plastic Laminate - Accent	Wilsonart	Color: 7907-38 Ebony Recon Fine Velvet Finish

Grand total: 482



NOTE: REFER TO E4/A4.101, E5/A4.101, E6/A4.101, F6/A4.101, AND F8/A4.101 FOR STANDARD FIXTURE AND ACCESSORY MOUNTING DETAILS.

D3 ENLARGED PLANS AT TOILETS 103 AND 104
1/4" = 1'-0"



NOTE: REFER TO E4/A4.101, E5/A4.101, E6/A4.101, F6/A4.101, AND F8/A4.101 FOR STANDARD FIXTURE AND ACCESSORY MOUNTING DETAILS.

D5 ENLARGED PLAN AT TOILET 106 AND MECHANICAL 105
1/4" = 1'-0"

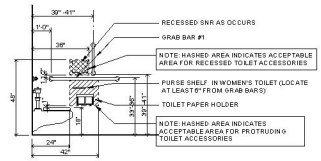
NON-BEARING WALL LINTEL SCHEDULE

MASONRY LINTELS			STEEL LINTELS		
CLR MAS OPENING	4'-0" OR LESS	4'-1" TO 8'-0"	CLR MAS OPENING	4'-0" OR LESS	4'-1" TO 8'-0"	8'-1" TO 12'-0"
4" WALL	1-#4 BOTTOM	NA	4" WALL	L3 1/2x3 1/2x5/16	L5x3 1/2x5/16 LLV	NA
6" WALL	1-#4 BOTTOM	1-#5 BOTTOM	6" WALL	2-L2 1/2x 3 1/2x5/16 LLV	2-L5x3x5/16 LLV	W8x15+ 5/16x5 PLATE
8" WALL	2-#4 BOTTOM	2-#5 BOTTOM	8" WALL	2-L3 1/2x3 1/2x5/16	2-L5x3 1/2x5/16 LLV	W8x15+ 5/16x7 PLATE
10" WALL	2-#4 BOTTOM	2-#5 BOTTOM	10" WALL	2-L3 1/2x3 1/2x5/16	2-L5x3 1/2x5/16 LLV	W8x15+ 5/16x9 PLATE
12" WALL	2-#4 BOTTOM	2-#5 BOTTOM	12" WALL	2-L5x3 1/2x5/16 LLV + 5/16x11 PLATE	2-L5x3 1/2x5/16 LLV + 5/16x11 PLATE	W8x15+ 5/16x11 PLATE
16" WALL			16" WALL	W8x10+ 5/16x16 PLATE	W8x10+ 5/16x16 PLATE	W8x15+ 5/16x16 PLATE

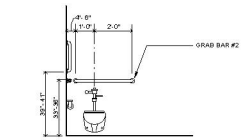
UNLESS NOTED OTHERWISE:

1. MASONRY LINTELS MAY BE USED FOR MASONRY WALL OPENINGS UNDER THE FOLLOWING CONDITIONS:
   A. THE HEIGHT OF THE MASONRY ABOVE THE OPENING IS AT LEAST EQUAL TO THE CLEAR WIDTH OF THE OPENING.
   B. THE LENGTH OF THE WALL AND DISTANCE TO THE NEAREST CONTROL JOINT ON EACH SIDE OF THE OPENING IS AT LEAST EQUAL TO THE CLEAR OPENING WIDTH.
2. USE STEEL LINTELS AT NON-BEARING WALL OPENINGS NOT MEETING MASONRY CONDITIONS. STEEL LINTELS BY MISCELLANEOUS METALS.
3. MASONRY LINTELS MAY BE USED FOR ANY LINTEL IN SOLIDLY GROUTED WALLS UP TO 8'-0" SPAN.
4. MASONRY LINTELS ARE 8" TALL LINTEL BLOCK FILLED WITH 3,000 PSI CONCRETE WITH 1/2" MIN FROM TOP OF LINTEL TO REINFORCING.
5. BEAR LINTELS 8" MINIMUM EACH SIDE OF OPENING, THEREFORE CLEAR OPENING PLUS 1'-4".
6. PROVIDE LINTELS FOR ALL OPENINGS NOT TIGHT TO DECK, INCLUDING MECHANICAL AND ELECTRICAL PENETRATIONS THROUGH MASONRY WALLS, INCLUDING DUCT OPENINGS, UNIT VENTILATORS, UNIT HEATERS, LOUVERS.
7. STEEL LINTEL PLATES SHOULD BE CENTERED IN THE WALL. EDGE OF PLATES SHALL BE A MINIMUM 5/16" FROM EACH SIDE.
8. REFER TO STRUCTURAL DRAWINGS FOR MASONRY BEARING WALL LINTELS.
9. WHERE STEEL LINTELS ARE EXPOSED, SOAP CONCRETE BLOCK ON EITHER SIDE TO CONCEAL LINTEL IN MASONRY WALLS.

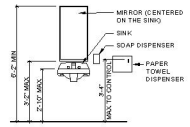
LINTEL SCHEDULE



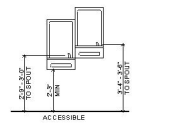
E4 ADULT HCAP WC
3/8" = 1'-0"



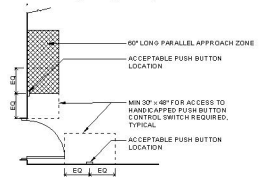
E5 ADULT HCAP WC
3/8" = 1'-0"



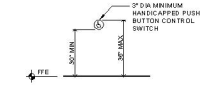
E6 LAV ELEV
3/8" = 1'-0"



E8 EWC
3/8" = 1'-0"

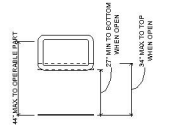


F4 PLAN AT HCAP PUSH BUTTON LOCATIONS
1/4" = 1'-0"



F5 ELEV AT HCAP PUSH BUTTON
3/8" = 1'-0"

F6 HAND DRYER
3/8" = 1'-0"



F8 BABY CHANGING STATION
3/8" = 1'-0"

100% CD DRAWINGS
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GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of Reg. State

John McNamara
License Number: 24281 Date: 10/25/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/25/2022
Drawn: Author
Check: Checker

DETAILS - GENERAL - SYMBOLS, ABBREVIATIONS, ENLARGED PLANS

Scale: As indicated

A4.101

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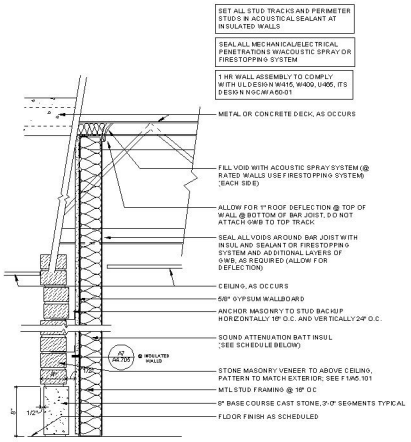
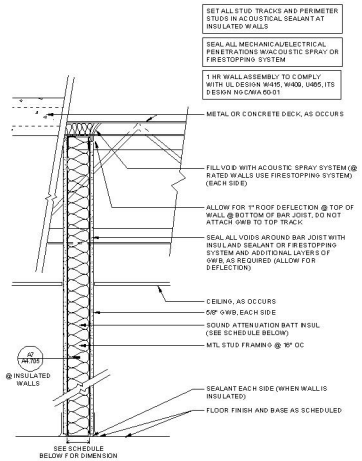


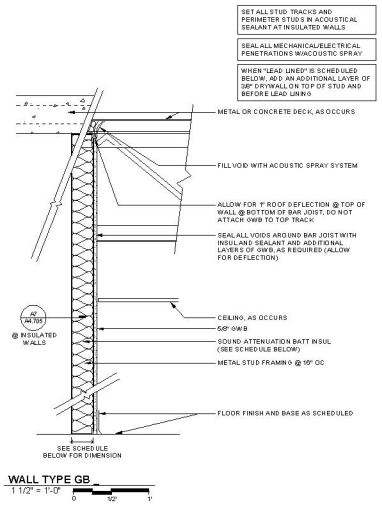
WALL TYPE GBM
1 1/2" = 1'-0"

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GBM	3 5/8"	SOUND BATT	N/A	



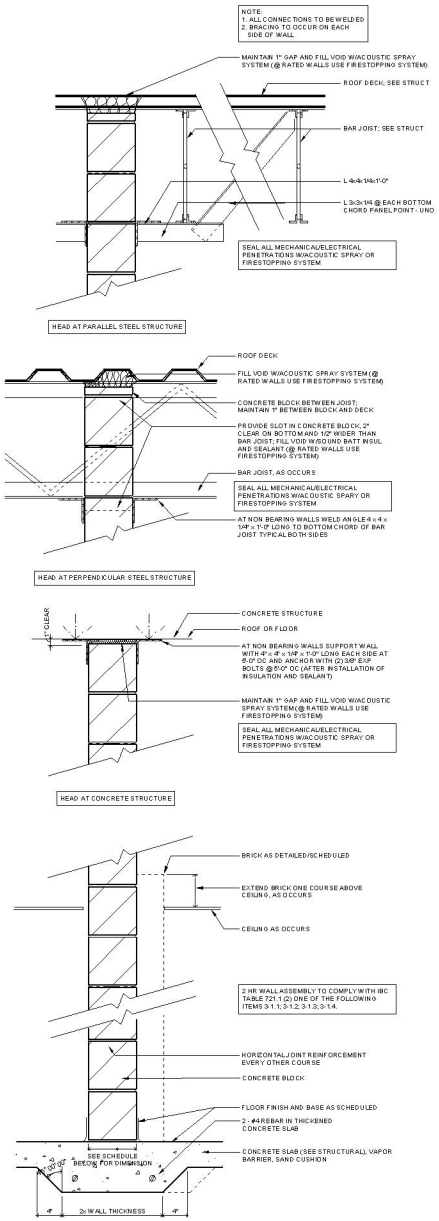
WALL TYPE GA
1 1/2" = 1'-0"

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GA6	3 5/8"	SOUND BATT	48	
GA7	6"	SOUND BATT	48	



WALL TYPE GB
1 1/2" = 1'-0"

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GB4	1 5/8"	SOUND BATT	N/A	
GB5	2 1/2"	SOUND BATT	N/A	
GB6	3 5/8"	SOUND BATT	N/A	
GB7	6"	SOUND BATT	N/A	



WALL TYPE MA
1 1/2" = 1'-0"

TYPE	BLOCK SIZE	INSULATION	MIN STC	NOTES
MA3	8"	NONE	48	

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A

GLACIAL VALLEY PARK BUILDING

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT
under the laws of the State of Reg. State

John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

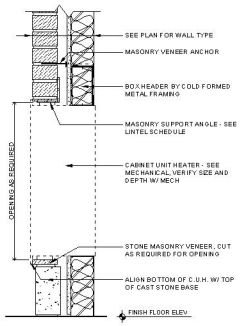
Comm: 222064
Date: 10/25/2022
Drawn: MJS
Check: Checker

DETAILS - INTERIOR WALL TYPES

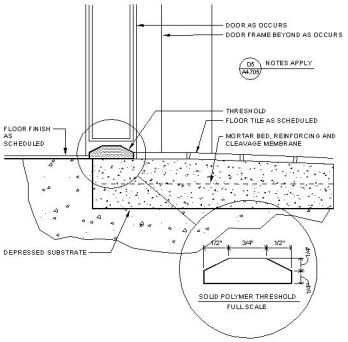
Scale: 1 1/2" = 1'-0"

A4.701

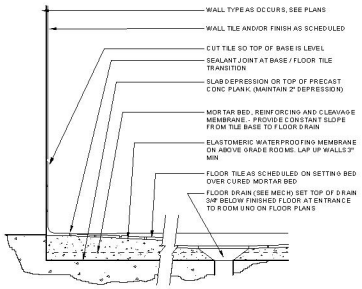
MN



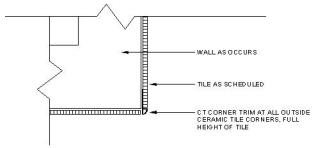
B3 SECTION AT UNIT HEATER
1 1/2" = 1'-0"



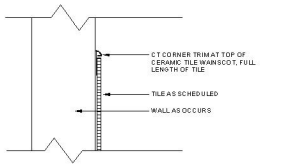
B5 TYP TOILET ROOM THRESHOLD
6" = 1'-0"



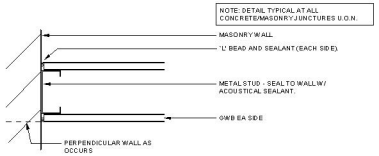
D5 TYP TOILET ROOM SECTION
3" = 1'-0"



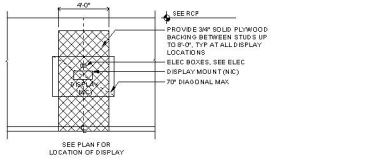
E5 PLAN AT CORNER TRIM
3" = 1'-0"



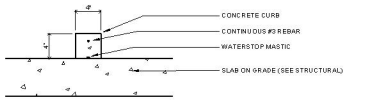
F5 SECTION AT CORNER TRIM
3" = 1'-0"



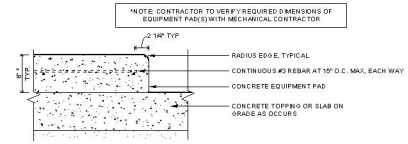
A7 GWB WALL JUNCTION
3" = 1'-0"



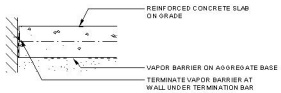
B7 TV MOUNTING TYP
1/4" = 1'-0"



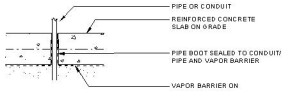
C7 MECHANICAL CURB
1 1/2" = 1'-0"



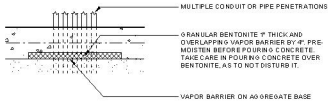
D7 HOUSEKEEPING PAD
1 1/2" = 1'-0"



E7a SLAB ON GRADE VAPOR BARRIER
1 1/2" = 1'-0"



E7 VAPOR BARRIER AT SINGLE PENETRATION
1 1/2" = 1'-0"



F7 VAPOR BARRIER AT MULTIPLE PENETRATIONS
1 1/2" = 1'-0"

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GLACIAL VALLEY PARK BUILDING

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under the laws of the State of Reg. State

John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/25/2022
Drawn: Author
Check: Checker

DETAILS - WALL DETAILS

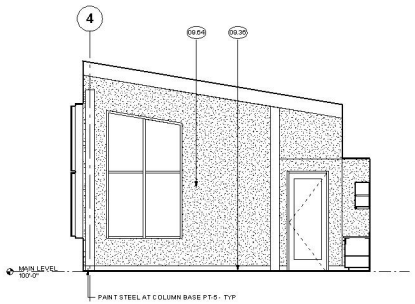
Scale: As indicated

A4.705

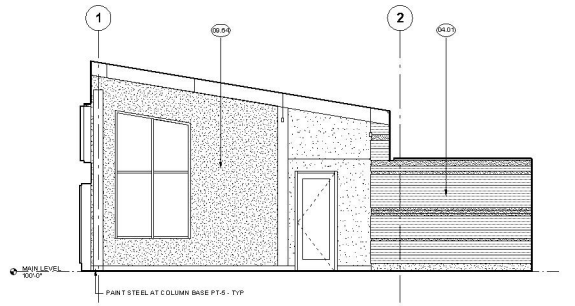
A

MN

A

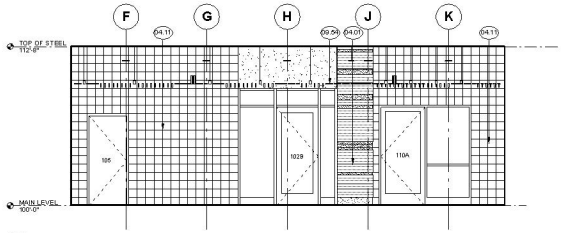


B1 107 WEST ELEVATION
1/4" = 1'-0"

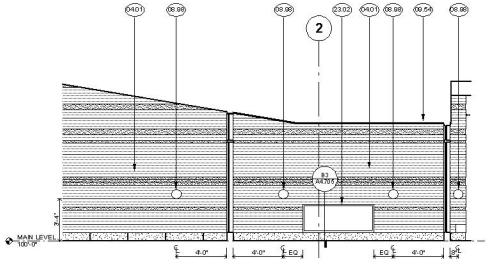


B3 110 EAST ELEVATION
1/4" = 1'-0"

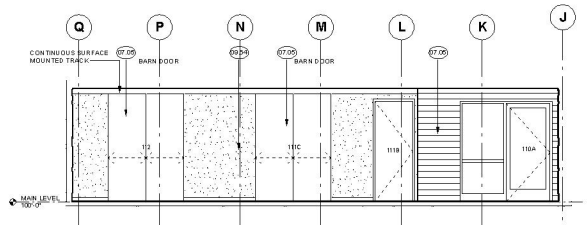
MATERIALS KEY	
KEY	MATERIAL
04.01	STONE MASONRY VENEER (SEE ENLARGED ELEVATION FOR PATTERN)
04.11	BURNISHED BLOCK
07.05	THERMALLY MODIFIED WOOD
08.98	DOOR ACTUATOR
09.16	PORCELAIN TILE 2
09.36	VINYL BASE
09.54	SUSPENDED WOOD CEILING SYSTEM
09.64	PAINT 5A
23.02	CABINET UNIT HEATER



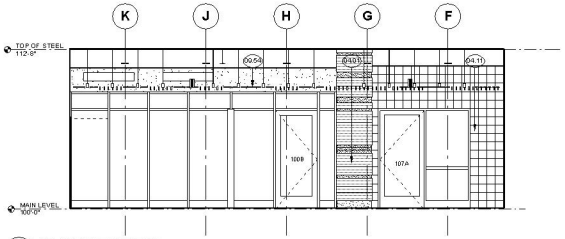
B6 101 NORTH ELEVATION
1/4" = 1'-0"



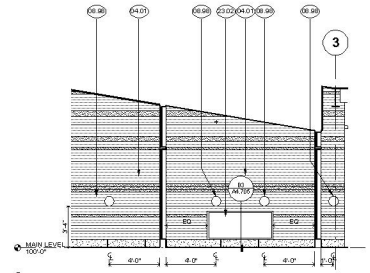
D1 102 EAST ELEVATION
1/4" = 1'-0"



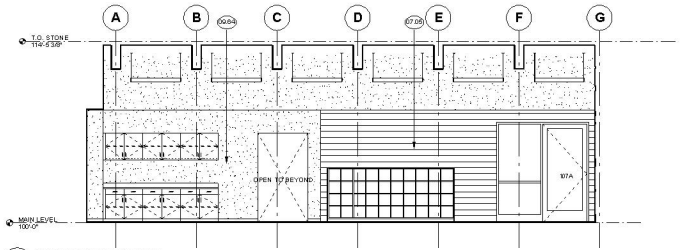
D3 110 SOUTH ELEVATION
1/4" = 1'-0"



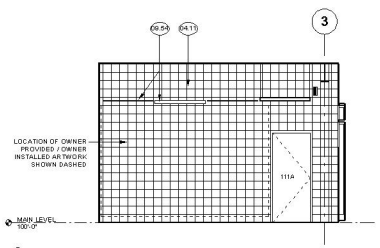
D6 101 SOUTH ELEVATION
1/4" = 1'-0"



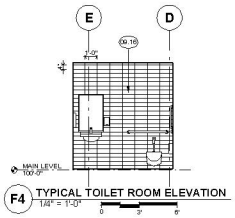
E1 100 WEST ELEVATION
1/4" = 1'-0"



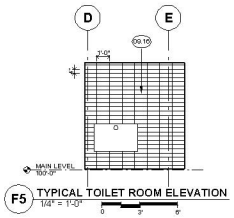
E3 107 NORTH ELEVATION
1/4" = 1'-0"



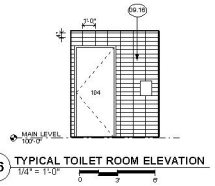
E6 101 EAST ELEVATION
1/4" = 1'-0"



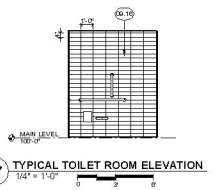
F4 TYPICAL TOILET ROOM ELEVATION
1/4" = 1'-0"



F5 TYPICAL TOILET ROOM ELEVATION
1/4" = 1'-0"



F6 TYPICAL TOILET ROOM ELEVATION
1/4" = 1'-0"



F7 TYPICAL TOILET ROOM ELEVATION
1/4" = 1'-0"

100% CD DRAWINGS
NOT FOR CONSTRUCTION

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
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222064

CITY OF COTTAGE GROVE
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John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/25/2022
Drawn: Author
Check: Checker
North

DETAILS - INTERIOR ELEVATIONS

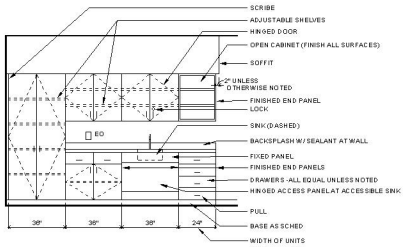
Scale: 1/4" = 1'-0"

A4.706

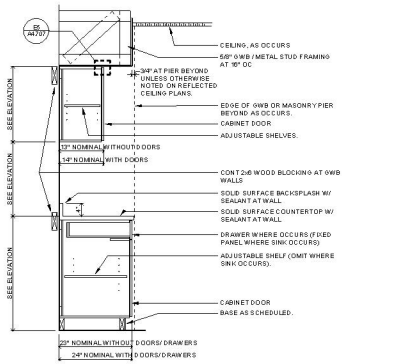
MN

CASEWORK/MILLWORK GENERAL NOTES:

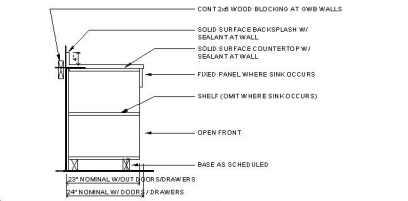
1. THIS IS AN INFORMATION SHEET AND IS INTENDED ONLY TO IDENTIFY THE COMPONENTS OF CABINETWORK ON SUBSEQUENT DRAWINGS.
2. WHERE A 90 DEGREE CORNER OCCURS, EXTEND BASE AND OR WALL CABINET AND ADJUSTABLE SHELVES AS THEY OCCUR) INTO BLIND CORNER.
3. ELECTRICAL OUTLETS (EO) ARE SHOWN AS THEY RELATE TO MILLWORK. COORDINATE/ SEE ELECTRICAL
4. 1 3/4" MAXIMUM SCRIBE WIDTH PER SIDE. IF OPENING IS LARGER THAN 3 1/2", ADD ANOTHER 3" TO A CASEWORK UNIT.



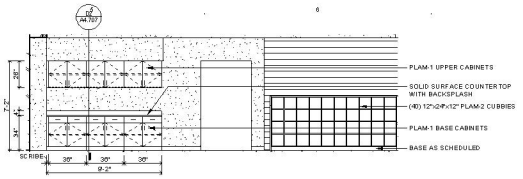
B2 MILLWORK GENERAL INFORMATION
3/8" = 1'-0"



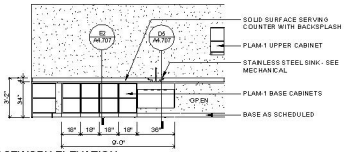
D2 TYPICAL CASEWORK SECTION
3/4" = 1'-0"



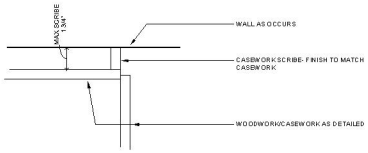
E2 OPEN FRONT BASE CABINET SECTION
3/4" = 1'-0"



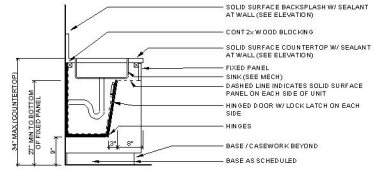
A5 107 NORTH CASEWORK ELEVATION
1/4" = 1'-0"



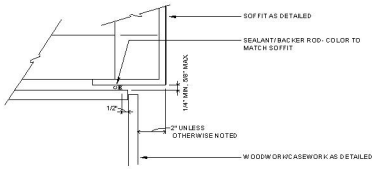
B5 111 EAST CASEWORK ELEVATION
1/4" = 1'-0"



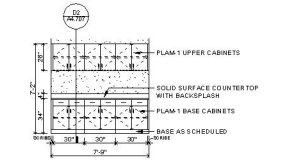
C5 PLAN AT CASEWORK
3" = 1'-0"



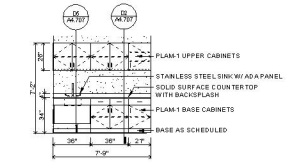
D5 SECTION AT ACCESSIBLE SINK
3/4" = 1'-0"



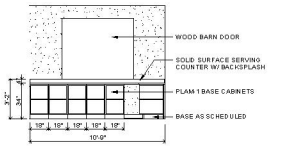
E5 SECTION AT CASEWORK
3" = 1'-0"



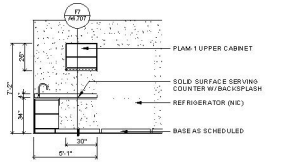
A7 107A WEST CASEWORK ELEVATION
1/4" = 1'-0"



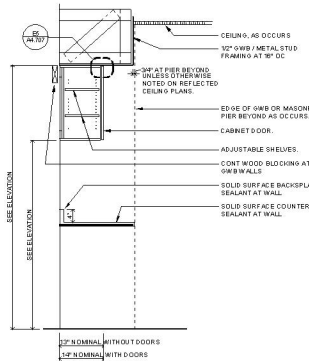
B7 107A EAST CASEWORK ELEVATION
1/4" = 1'-0"



C7 111 NORTH CASEWORK ELEVATION
1/4" = 1'-0"



D7 111 SOUTH CASEWORK ELEVATION
1/4" = 1'-0"



F7 SECTION AT OVERHEAD CABINET
3/4" = 1'-0"

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John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

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North

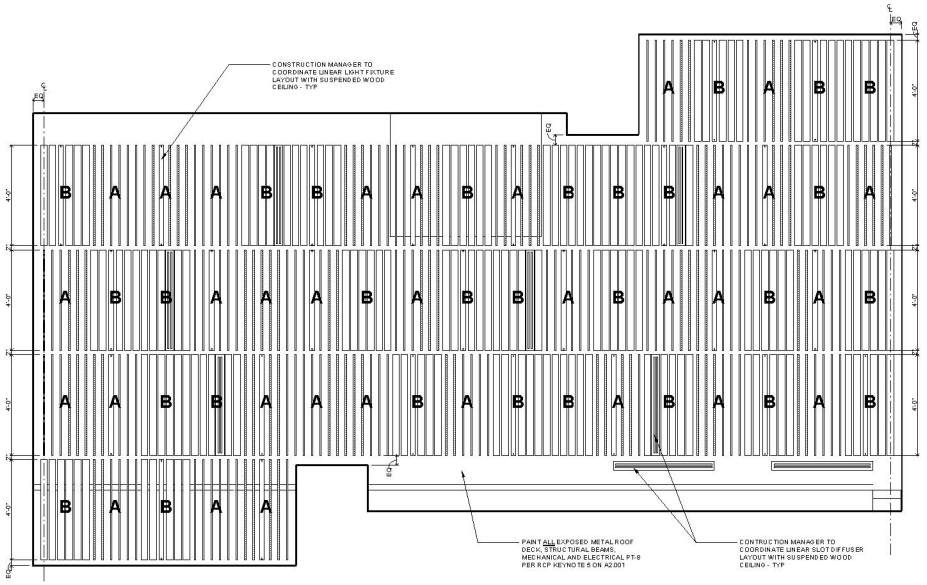
DETAILS - INTERIOR CASEWORK ELEVATIONS AND SECTIONS

Scale: As indicated

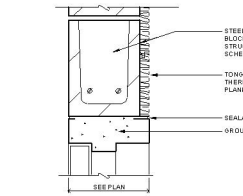
A4.707

A

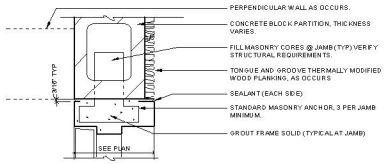
MN



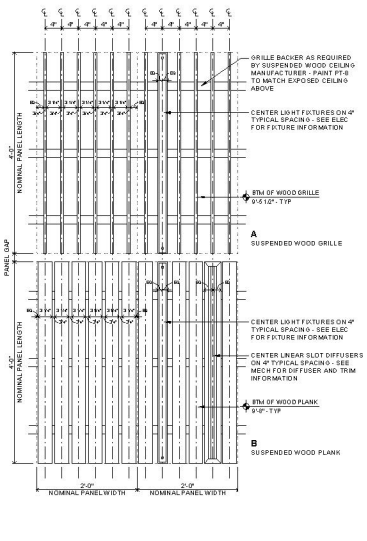
F1 MAIN LEVEL REFLECTED CEILING PLAN - Callout 1
1/2" = 1'-0"



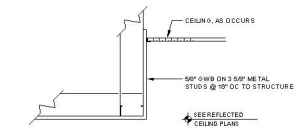
B5 HM HEAD AT THERMALLY MODIFIED WOOD
3" = 1'-0"



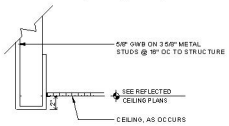
C5 HM JAMB AT THERMALLY MODIFIED WOOD (SILL SIMILAR)
3" = 1'-0"



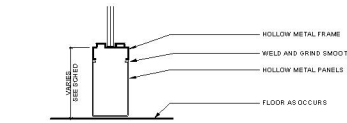
F5 SUSPENDED WOOD CEILING MODULES
1" = 1'-0"



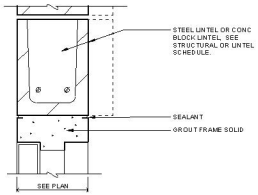
A7 GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"



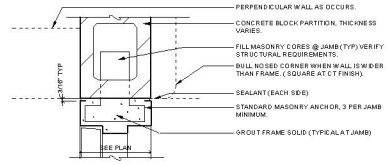
B7 GYPSUM BOARD BULKHEAD
1 1/2" = 1'-0"



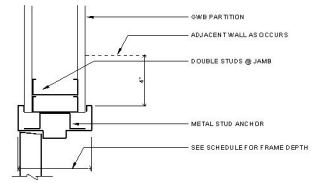
C7 SILL DETAIL
1 1/2" = 1'-0"



D7 HM HEAD AT MASONRY
3" = 1'-0"



E7 HM JAMB AT MASONRY (SILL SIMILAR)
3" = 1'-0"



F7 JAMB (HEAD & SILL AT BORROWED LITE, SIMILAR)
3" = 1'-0"

100% CD DRAWINGS
NOT FOR CONSTRUCTION

A

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DETAILS - INTERIOR DETAILS

Scale: As indicated

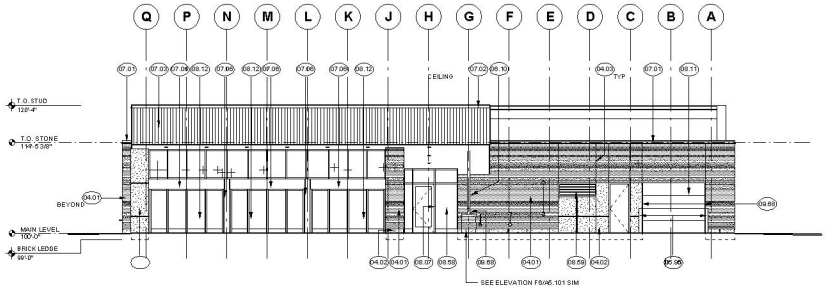
A4.801

MN

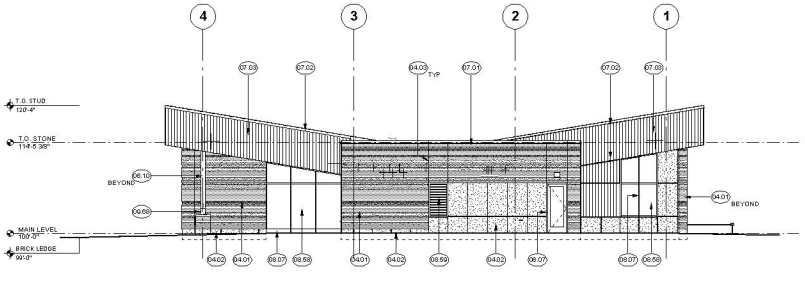
EXTERIOR ELEVATIONS GENERAL NOTES

1. WHERE NOT SHOWN, MASONRY VENEER EXPANSION JOINTS ARE TO BE LOCATED AT A MINIMUM OF 2 FEET AND 10 FEET FROM OUTSIDE CORNERS, AT INSIDE CORNERS, ABOVE WINDOW AND DOOR JAMBS, BETWEEN DISSIMILAR MATERIALS, AND NO MORE THAN 20 FEET ON CENTER ELSEWHERE.

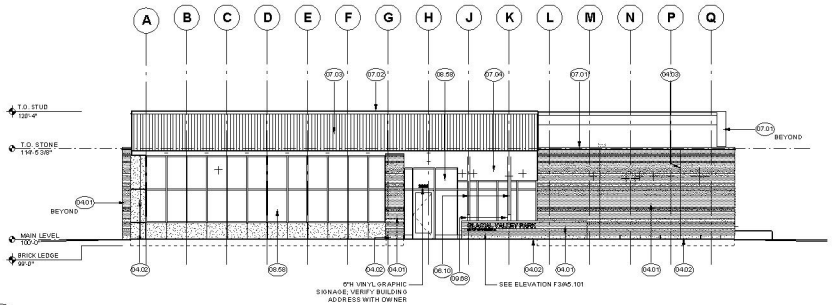
MATERIALS KEY	
KEY	MATERIAL
04.01	STONE MASONRY VENEER (SEE ENLARGED ELEVATION FOR PATTERN)
04.02	CAST STONE MASONRY
04.03	STONE MASONRY VENEER CONTROL JOINT
05.05	PIPE BOLLARD - PAINT PTS
06.10	GLUED-LAMINATED CONSTRUCTION
07.01	PREFINISHED SHEET METAL COPING #1 (SAND STONE)
07.02	PREFINISHED SHEET METAL COPING/FLASHING #2 (MATTE BLACK)
07.03	FIBER CEMENT PANELS AND VERTICAL TRIM SIDING
07.04	THERMALLY MODIFIED WOOD SOFFIT
07.06	PREFINISHED ALUMINUM PANEL
08.07	PREFINISHED ALUMINUM FRAME
08.11	SECTIONAL METAL OVERHEAD DOOR
08.12	FOLDING GLASS DOOR SYSTEM
08.58	EXTERIOR GLAZING
08.59	PREFINISHED METAL LOUVER
09.65	PTS ON EXPOSED STEEL
10.06	ALUMINUM DIMENSIONAL LETTER SIGNAGE



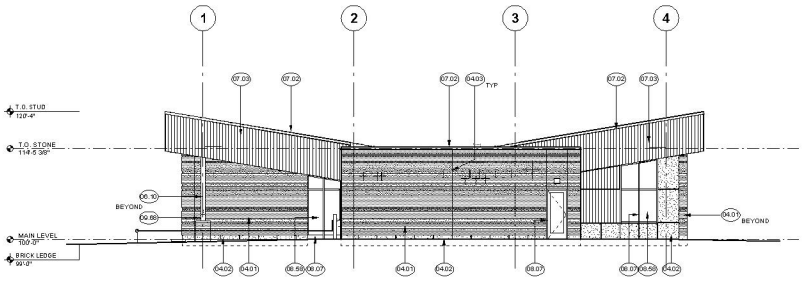
C1 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



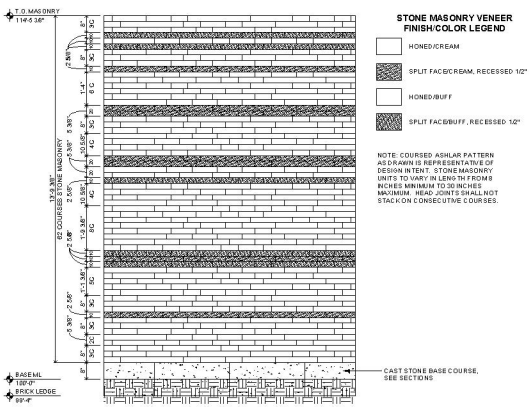
C5 EAST EXTERIOR ELEVATION
1/8" = 1'-0"



E1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"



E5 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

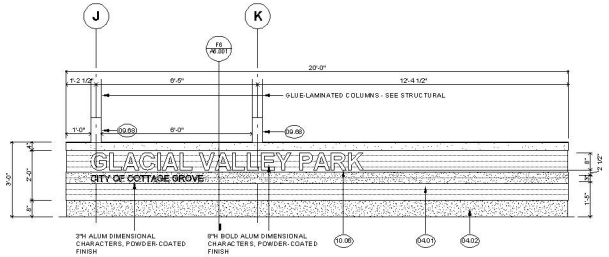


STONE MASONRY VENEER FINISH/COLOR LEGEND

- HONED/CREAM
- SPLIT FACE/CREAM, RECESSED 1/2"
- HONED/BUFF
- SPLIT FACE/BUFF, RECESSED 1/2"

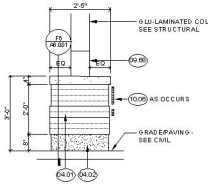
NOTE: COURSED ASHLAR PATTERN AS DRAWN IS REPRESENTATIVE OF DESIGN INTENT. STONE MASONRY UNITS TO VARY IN LENGTH FROM 8 INCHES MINIMUM TO 30 INCHES MAXIMUM. HEAD JOINTS SHALL NOT STACK ON CONSECUTIVE COURSES.

F1 STONE MASONRY VENEER ELEVATION PATTERN
1/2" = 1'-0"



NOTES:
- SEE STRUCTURAL FOR FOUNDATION AND FOOTING REQUIREMENTS
- ALL TYPE FACE TO BE ARIAL
- ALL LETTERS TO BE PIN MOUNTED WITH 1/2" STANDOFF
- SEE ELECTRICAL FOR EXTERNAL LIGHTING

F3 MONUMENT SIGN
1/2" = 1'-0"



F6 MONUMENT/COLUMN WRAP SIDE ELEVATION
1/2" = 1'-0"

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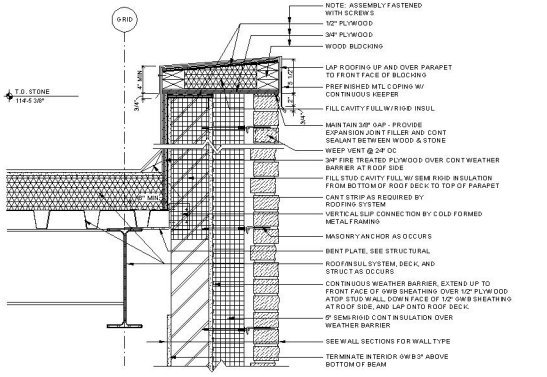
EXTERIOR ELEVATIONS

Scale: As indicated

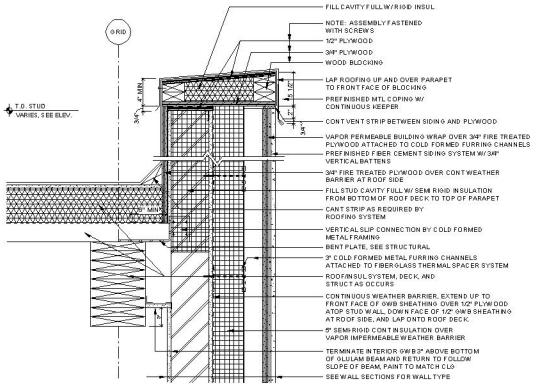
A5.101

MN

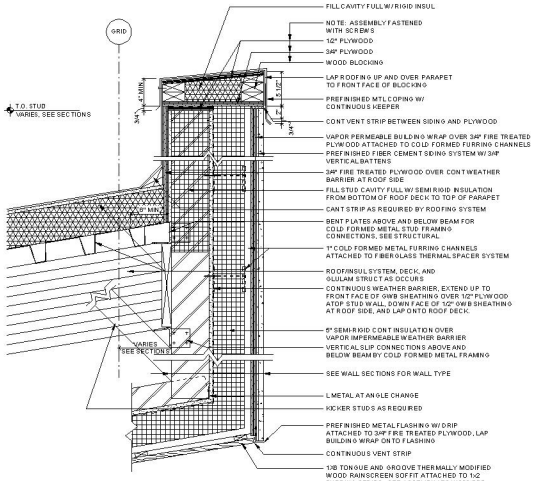
A



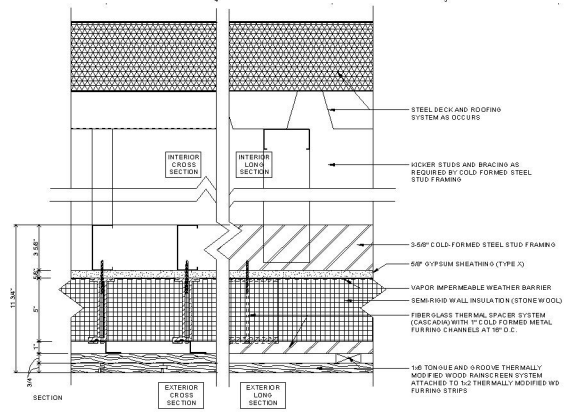
B1 SECTION AT PARAPET - STONE MASONRY VENEER
1 1/2" = 1'-0"



D1 SECTION AT PARAPET - FIBER CEMENT SIDING
1 1/2" = 1'-0"

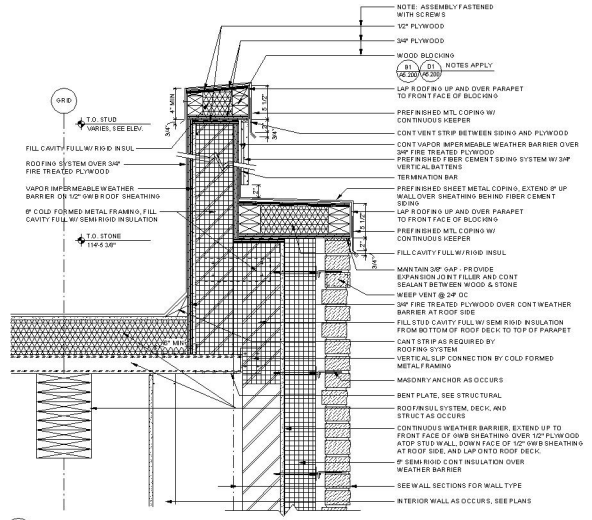


F1 SECTION AT PARAPET - CANOPY
1 1/2" = 1'-0"

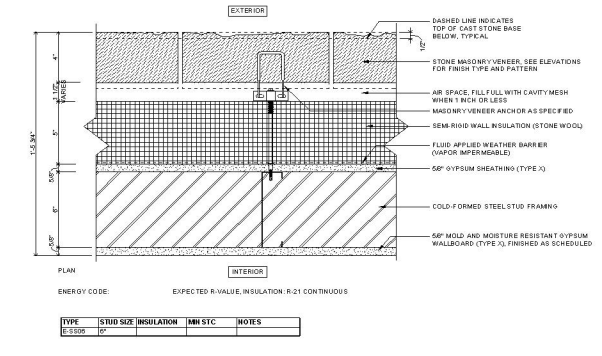


ENERGY CODE: EXPECTED R-VALUE, INSULATION: R-21 CONTINUOUS

B3 ES-WS03 (WOOD SOFFIT ON STUD BACKUP)
3" = 1'-0"



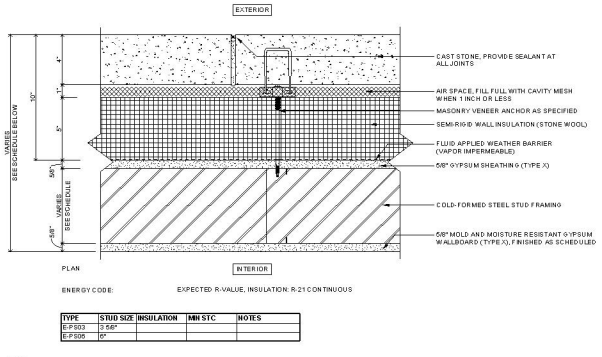
E3 SECTION AT STEPPED PARAPET
1 1/2" = 1'-0"



ENERGY CODE: EXPECTED R-VALUE, INSULATION: R-21 CONTINUOUS

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
E-SS06	6"			

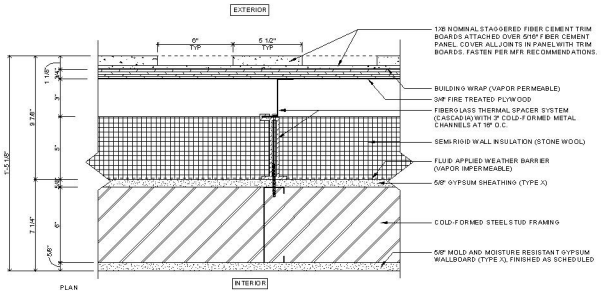
B6 E-SSxx (STONE MASONRY VENEER ON STUD BACKUP)
3" = 1'-0"



ENERGY CODE: EXPECTED R-VALUE, INSULATION: R-21 CONTINUOUS

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
E-PS03	3 5/8"			
E-PS06	6"			

D6 E-PSxx (CAST STONE ON STUD BACKUP)
3" = 1'-0"



ENERGY CODE: EXPECTED R-VALUE, INSULATION: R-21 CONTINUOUS

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
E-FS06	6"			
E-FS06.4	6"			1" COLD FORMED METAL Z CHANNELS OVER FIBERGLASS THERMAL SPACER SYSTEM, 1/2" GWB SHEATHING AT INTERIOR SIDE ABOVE ROOF DECK

F6 E-FSxx (FIBER CEMENT SIDING ON STUD BACKUP)
3" = 1'-0"

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GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

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CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
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John McNamara
License Number 24281 Date 10/25/2022

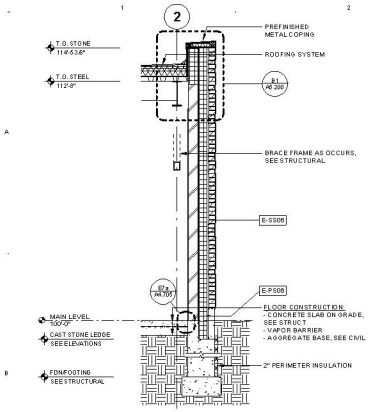
Revisions		
Description	Date	Num

Comm: 222064
Date: 10/25/2022
Drawn: MJS
Check: Checker

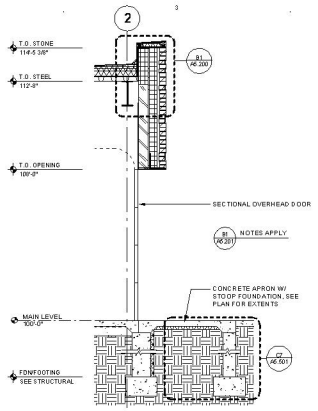
EXTERIOR WALL AND PARAPET ASSEMBLIES

Scale: As indicated

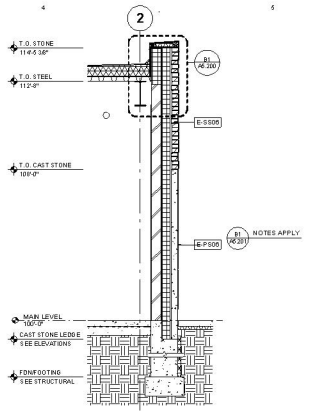
A5.200



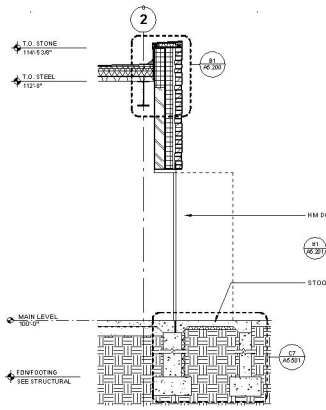
B1 TYPICAL SECTION AT STONE MASONRY - UNHEATED SLAB
3/8" = 1'-0"



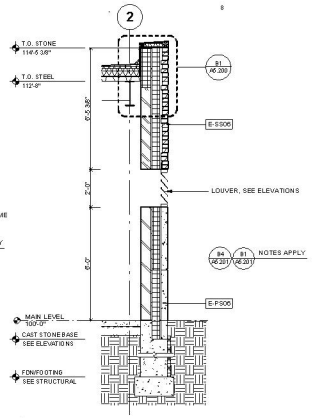
B2 SECTION AT OVERHEAD DOOR
3/8" = 1'-0"



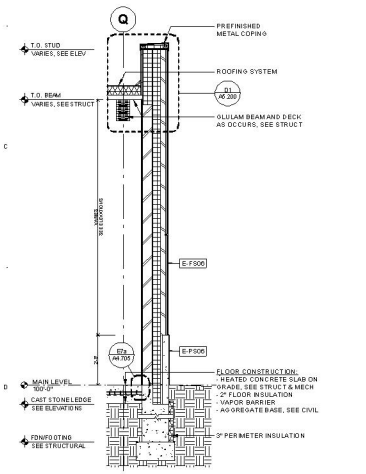
B4 SECTION AT PARKS STORAGE
3/8" = 1'-0"



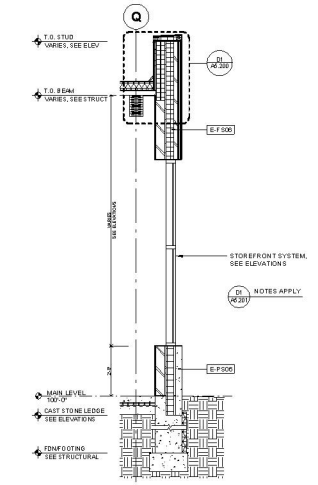
B5 SECTION AT HM DOOR
3/8" = 1'-0"



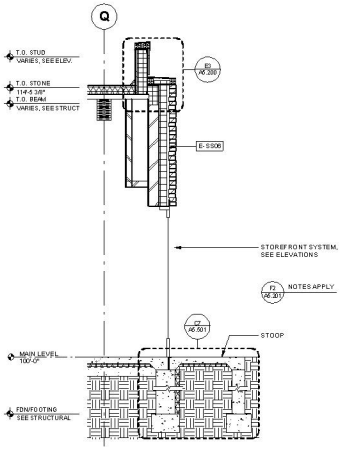
B7 SECTION AT NORTH LOUVER
3/8" = 1'-0"



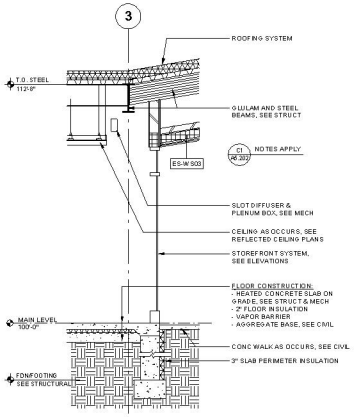
D1 TYPICAL SECTION AT FIBER CEMENT SIDING
3/8" = 1'-0"



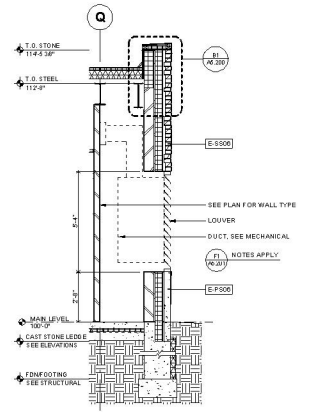
D2 STOREFRONT SECTION AT FIBER CEMENT SIDING
3/8" = 1'-0"



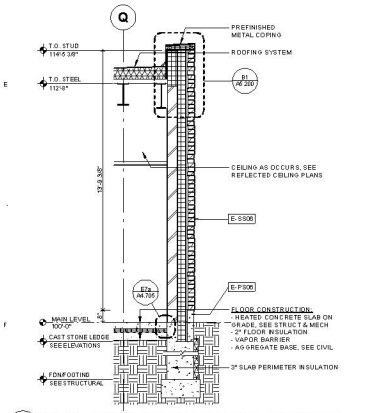
D4 SECTION AT STOOP 110C
3/8" = 1'-0"



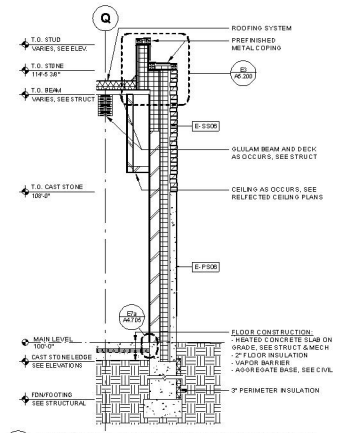
D5 SECTION AT STOREFRONT 3
3/8" = 1'-0"



D7 SECTION AT EAST LOUVER
3/8" = 1'-0"



F1 TYPICAL SECTION AT STONE MASONRY - HEATED SLAB
3/8" = 1'-0"



F2 SECTION AT STONE MASONRY / STEPPED PARAPET
3/8" = 1'-0"

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A

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John McNamara
License Number 24281 Date 10/25/2022

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Description	Date	Num

Comm: 222064
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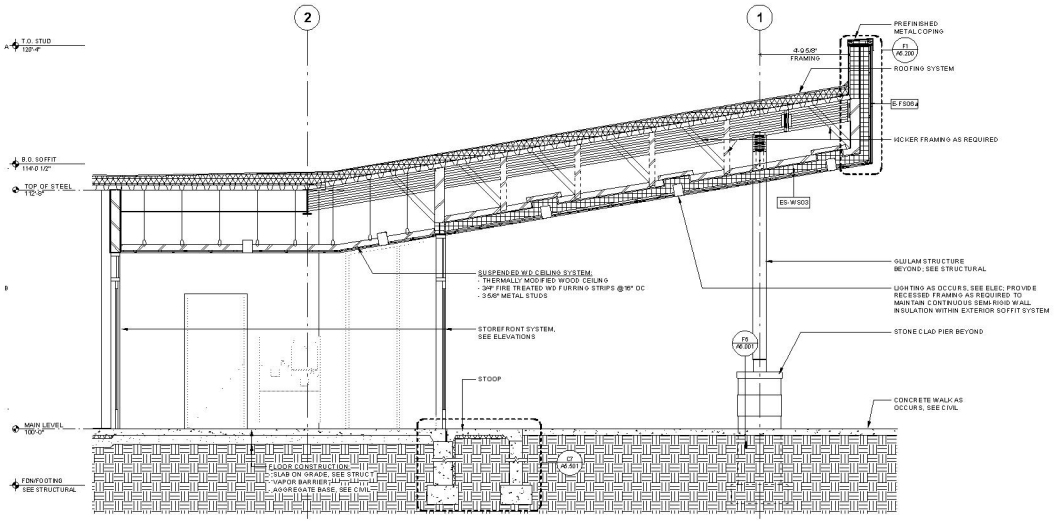
Check: Checker

WALL SECTIONS

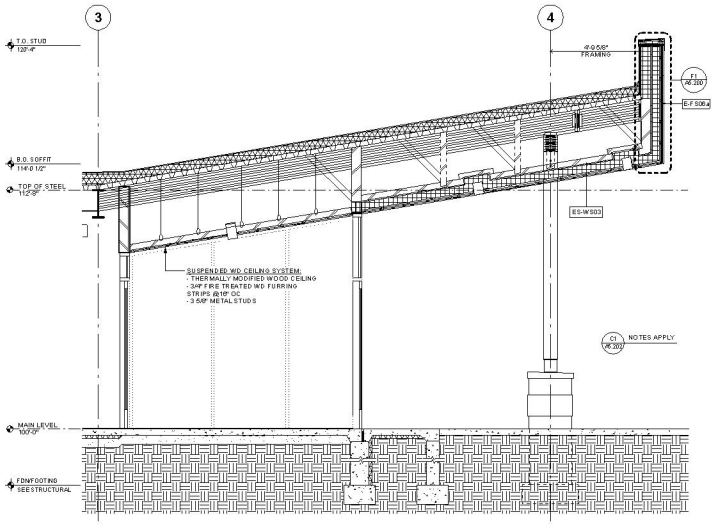
Scale: 3/8" = 1'-0"

A5.201

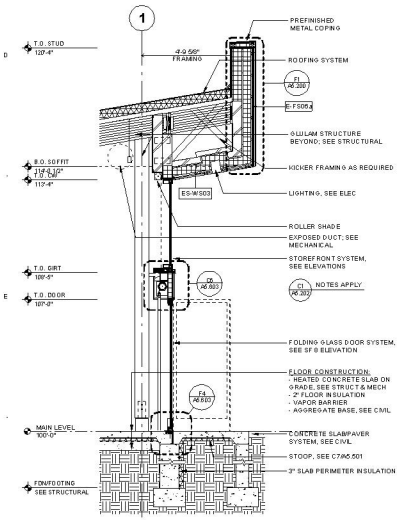
MN



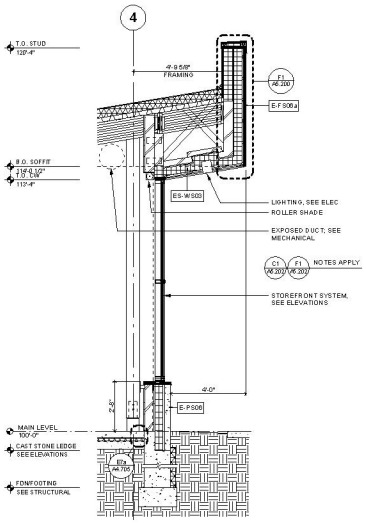
C1 CANOPY SECTION - NORTH VESTIBULE
3/8" = 1'-0"



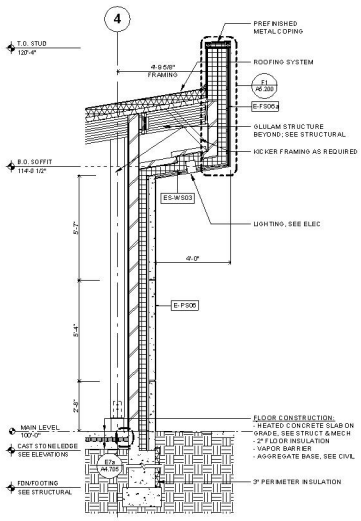
C5 CANOPY SECTION - SOUTH VESTIBULE
3/8" = 1'-0"



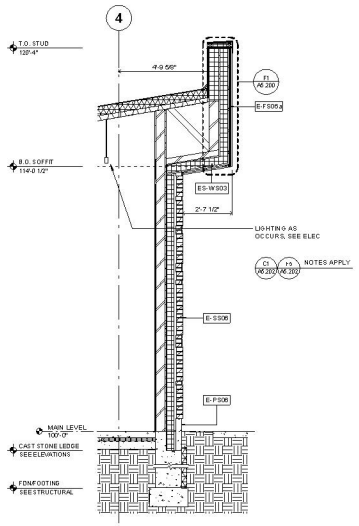
F1 SECTION AT MULTIPURPOSE FOLDING GLASS DOOR
3/8" = 1'-0"



F3 SECTION AT CLASSROOM STOREFRONT
3/8" = 1'-0"



F5 CLASSROOM SECTION AT CAST STONE
3/8" = 1'-0"



F7 SECTION AT STONE MASONRY FIN WALL
3/8" = 1'-0"

A

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John McNamara
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Check: Checker

WALL SECTIONS

Scale: 3/8" = 1'-0"

A5.202

100% CD DRAWINGS
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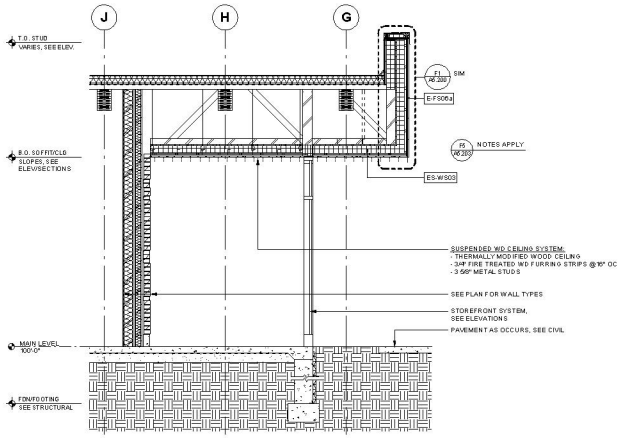
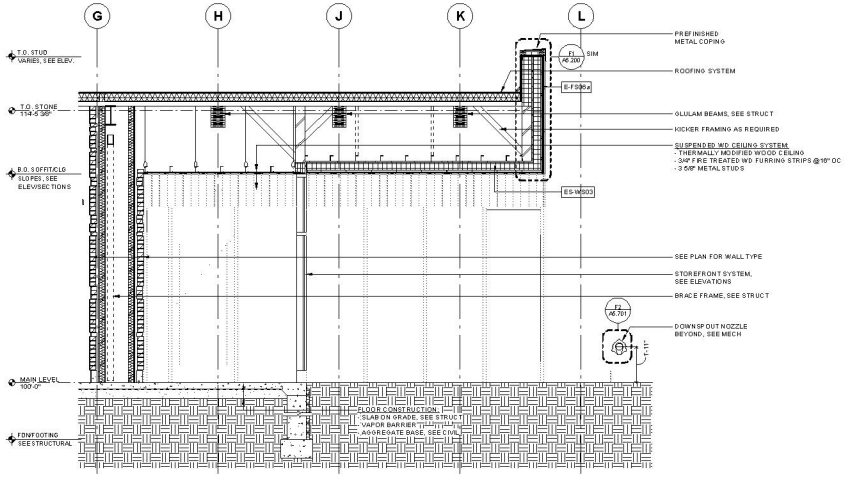
MN

A



F1 CANOPY CROSS SECTION AT NORTH VESTIBULE
3/8" = 1'-0"



F5 CANOPY SECTION ELEVATION AT SOUTH VESTIBULE
3/8" = 1'-0"

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GLACIAL VALLEY PARK BUILDING

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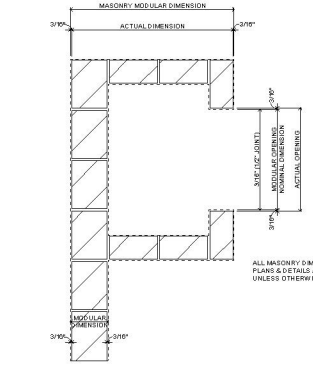
WALL SECTIONS

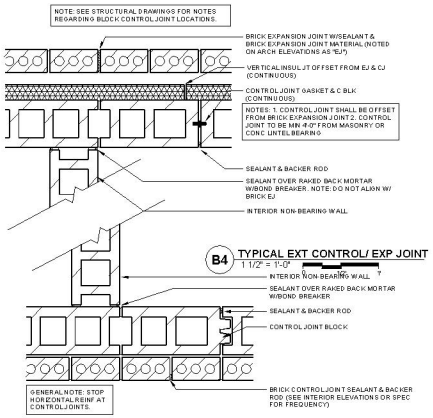
Scale: 3/8" = 1'-0"

A5.203

MN

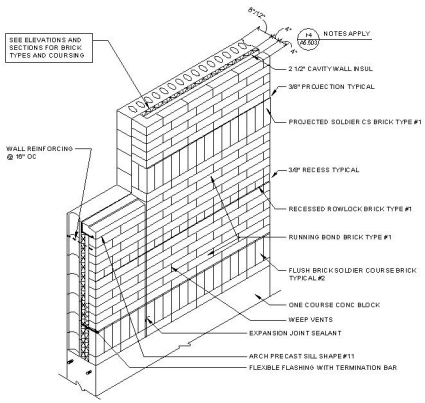


B1 MASONRY DIMENSIONING
3/4" = 1'-0"

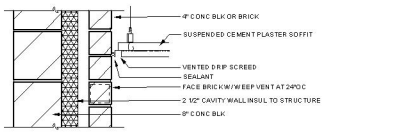


B4 TYPICAL EXT CONTROL/ EXP JOINT
1 1/2" = 1'-0"

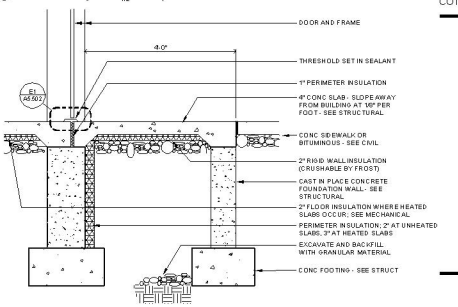
B3 TYPICAL INTERIOR CONTROL JOINT
1 1/2" = 1'-0"



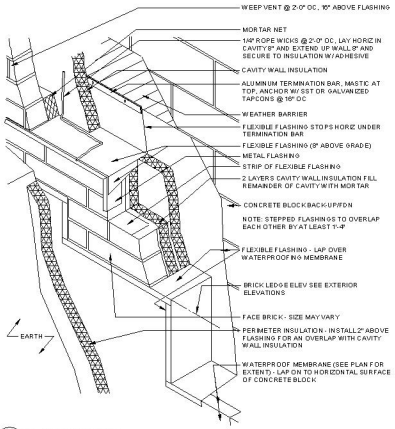
B5 MOCK-UP WALL PANEL
NOT TO SCALE



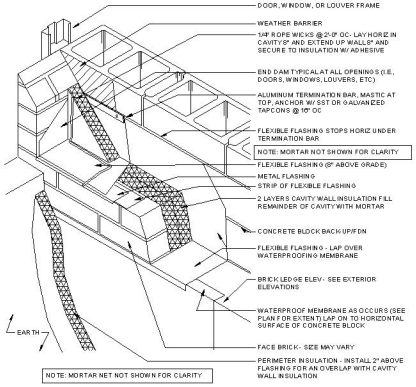
A7 SOFFIT/ WALL SECTION
1 1/2" = 1'-0"



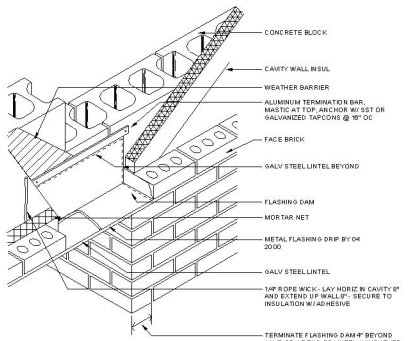
C7 SECTION AT STOOP - TYPICAL
3/4" = 1'-0"



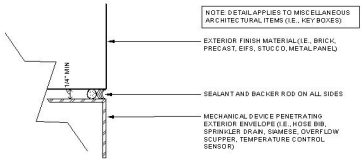
D1 FLASHING DETAIL
NOT TO SCALE



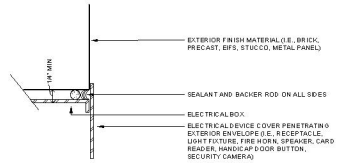
D3 FLASHING DETAIL
NOT TO SCALE



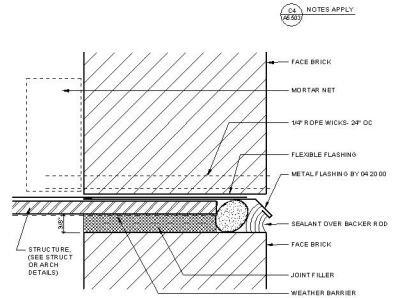
D5 TYPICAL FLASHING TERMINATION
NOT TO SCALE



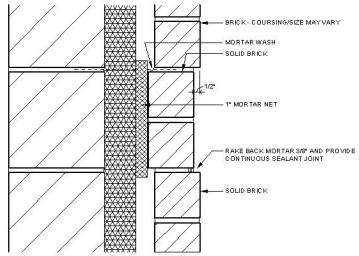
D7 SECTION AT TYP MECH DEVICE
6" = 1'-0"



E7a SECTION AT TYP ELEC DEVICE
6" = 1'-0"

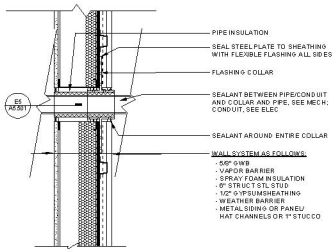


F1 JOINT DETAIL AT RELIEVING ANGLE
1" = 1'



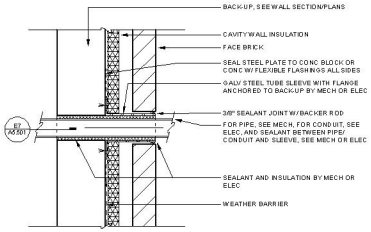
F3 TYPICAL BRICK RECESS
3" = 1'-0"

E5 COLLAR DETAIL
1 1/2" = 1'-0"



F5 PIPE OR CONDUIT PENETRATION
1 1/2" = 1'-0"

E7 SLEEVE DETAIL
1 1/2" = 1'-0"



F7 PIPE OR CONDUIT PENETRATION
1 1/2" = 1'-0"

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wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT
under the laws of the State of Reg. State

John McNamara
License Number: 24281 Date: 10/25/2022

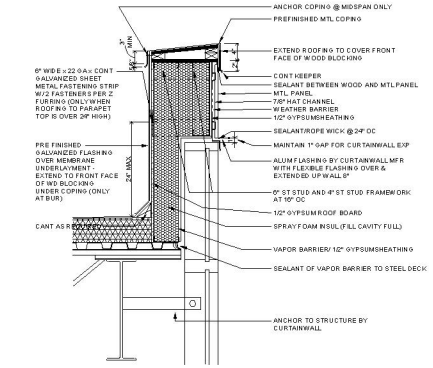
Revisions		
Description	Date	Num

Comm: 222064
Date: 10/25/2022
Drawn: Author
Check: Checker

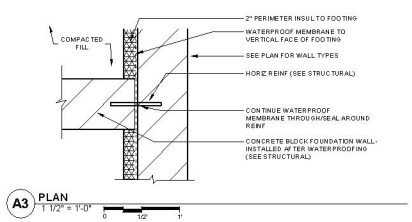
DETAILS - EXTERIOR WALL

Scale: As indicated

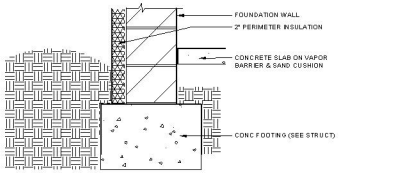
A5.501



B1 SECTION AT CW/SF PARAPET
1" = 1'-0"



A3 PLAN
1 1/2" = 1'-0"



B3 SECTION AT DRAIN TILE
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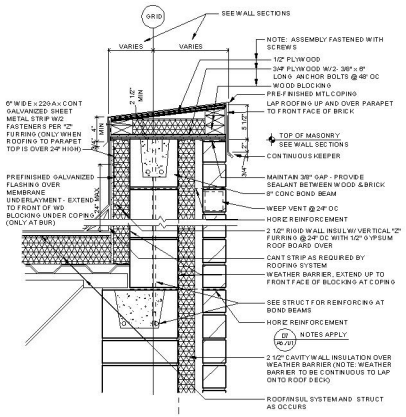
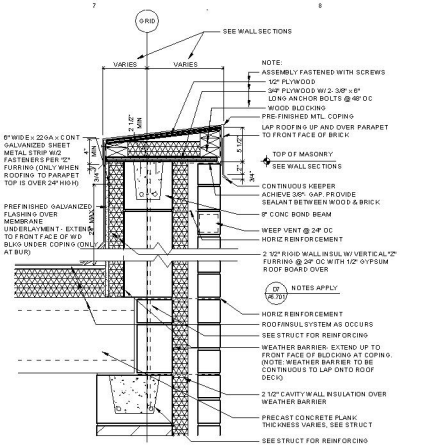
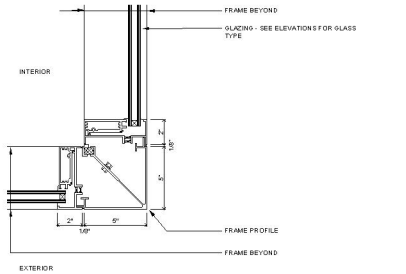


B5 SECTION AT PARAPET
1 1/2" = 1'-0"



B7 SECTION AT PARAPET
1 1/2" = 1'-0"



D1 STOREFRONT CORNER CONDITION
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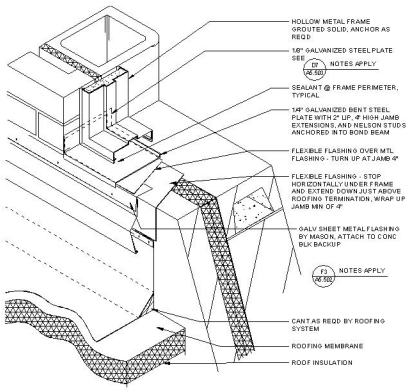
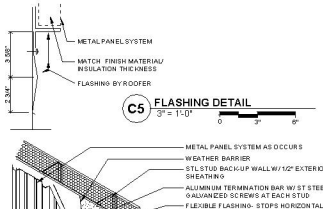
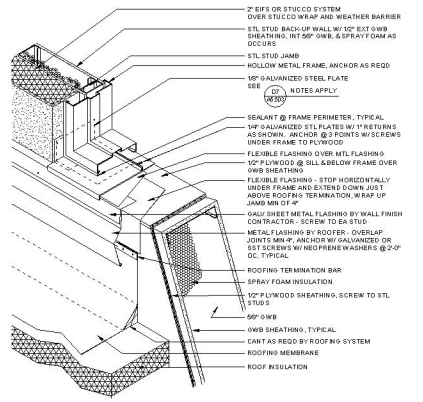


D3 FLASHING DETAIL
NOT TO SCALE



C5 FLASHING DETAIL
3" = 1'-0"

D5 FLASHING DETAIL AT SIDING
NOT TO SCALE



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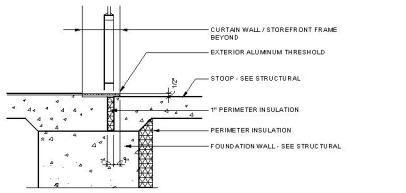
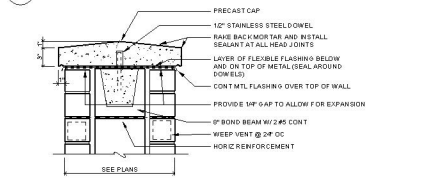


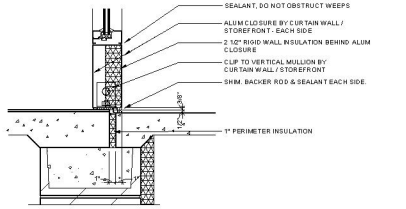
E1 THRESHOLD AT ALUM DOOR
1 1/2" = 1'-0"

E3 FLASHING DETAIL
3" = 1'-0"

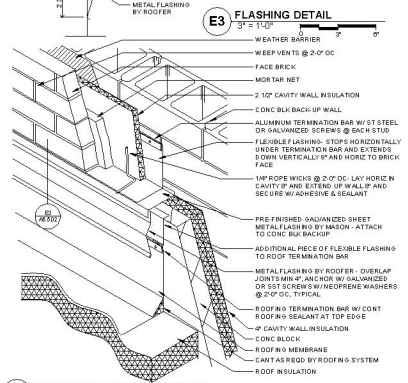
E5 FLASHING DETAIL
3" = 1'-0"



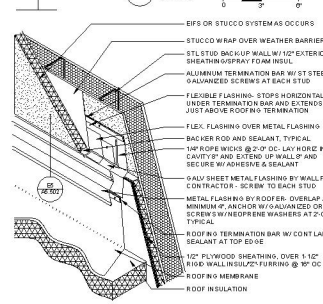
E7 SECTION AT CAP
1 1/2" = 1'-0"



F1 SILL
1 1/2" = 1'-0"



F3 FLASHING DETAIL AT MASONRY
NOT TO SCALE



F5 FLASHING DETAIL AT STUCCO
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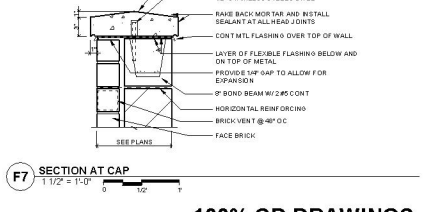

F7 SECTION AT CAP
1 1/2" = 1'-0"

100% CD DRAWINGS
NOT FOR CONSTRUCTION

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
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COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
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License Number 24281 Date 10/25/2022

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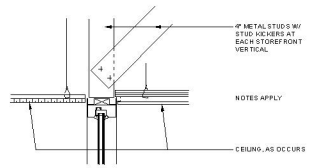
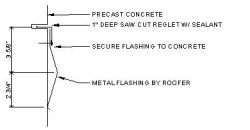
A5.502

MN

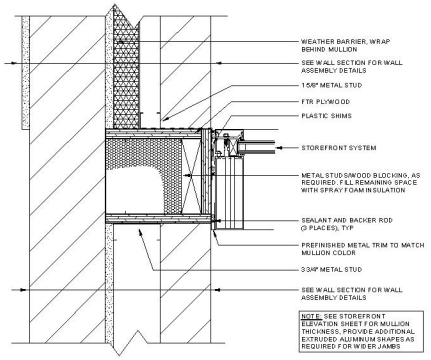
A



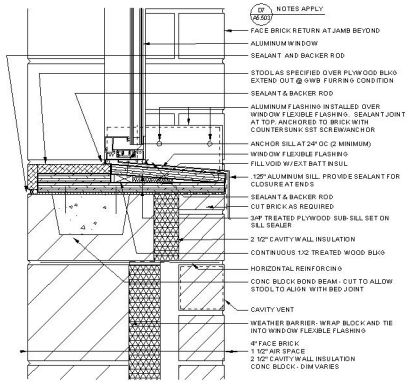
B1 HEAD DETAIL
1 1/2" = 1'-0"



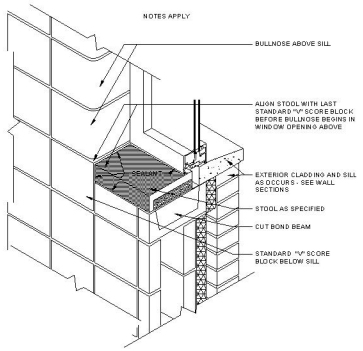
C1 FLASHING DETAIL
3" = 1'-0"



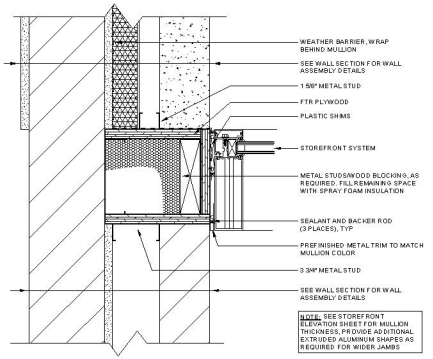
C2 STOREFRONT JAMB AT LIMESTONE
3" = 1'-0"



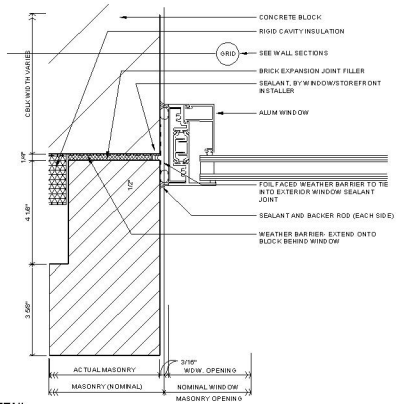
C4 SILL DETAIL
3" = 1'-0"



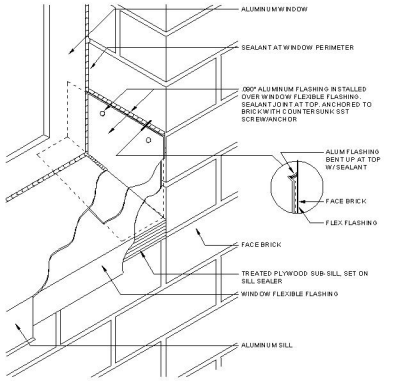
C7 SILL DETAIL
1 1/2" = 1'-0"



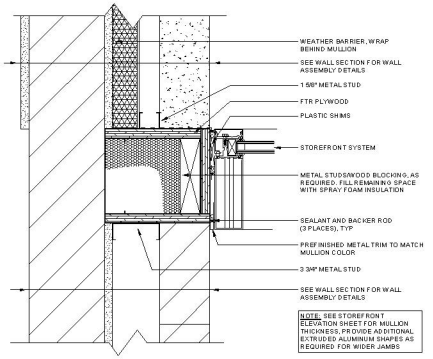
D2 STOREFRONT JAMB AT PRECAST BASE
3" = 1'-0"



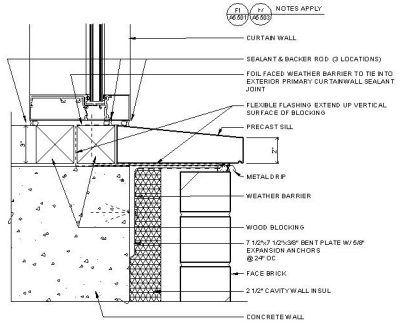
D4 JAMB DETAIL
6" = 1'-0"



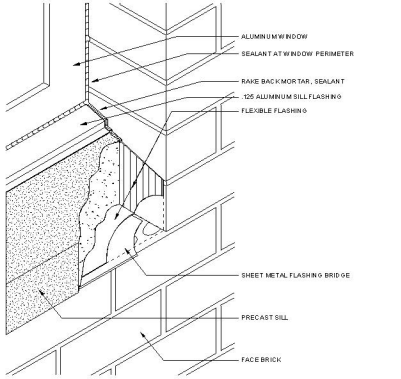
D7 SILL FLASHING DETAIL
3" = 1'-0"



F2 STOREFRONT JAMB AT PRECAST/INTERIOR BLOCK BASE
3" = 1'-0"



F4 PRECAST SILL AT CURTAINWALL
3" = 1'-0"



F7 SILL FLASHING DETAIL
3" = 1'-0"

100% CD DRAWINGS
NOT FOR CONSTRUCTION

MN

A

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DETAILS - EXTERIOR WALL

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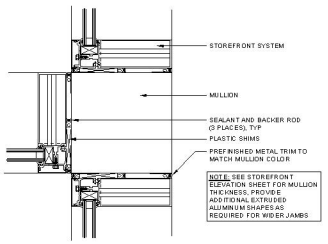
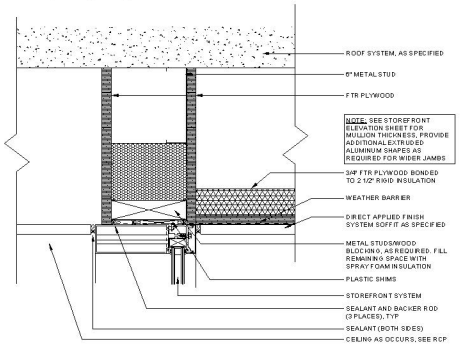
A5.503

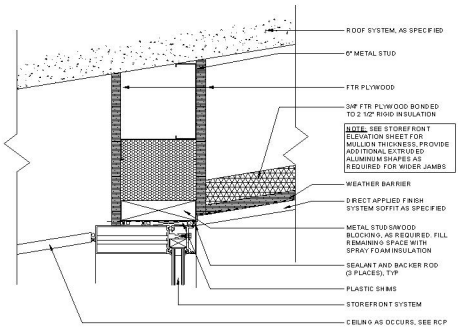
MN



B2 STOREFRONT JAMB AT MULLION
3" = 1'-0"



C2 STOREFRONT HEAD AT WOOD SOFFIT
3" = 1'-0"



E2 STOREFRONT HEAD AT ANGLED WOOD SOFFIT
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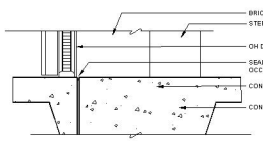
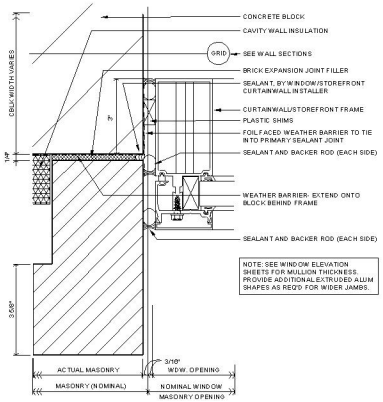
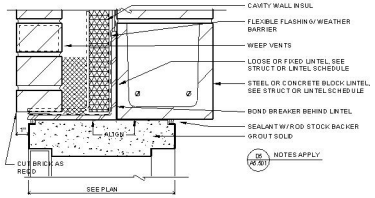


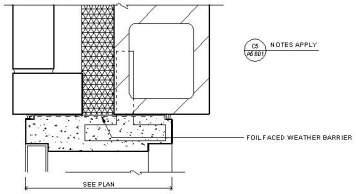
F2 EXT OH DOOR SILL
1 1/2" = 1'-0"



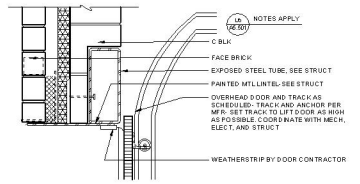
B5 JAMB DETAIL
6" = 1'-0"



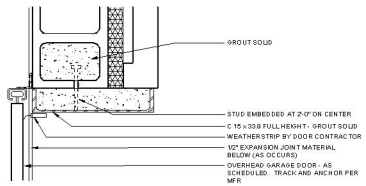
C5 EXT HM HEAD AT MASONRY
3" = 1'-0"



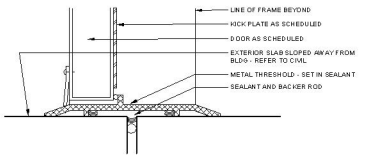
D5 EXT HM JAMB AT MASONRY
3" = 1'-0"



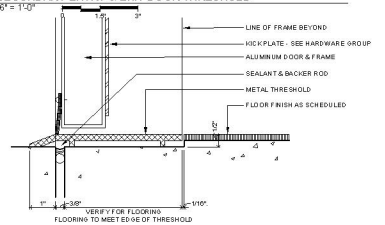
E5 EXT OH DOOR HEAD
1 1/2" = 1'-0"



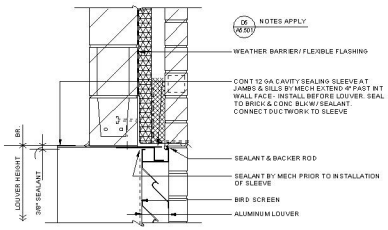
F5 EXT OH DOOR JAMB
1 1/2" = 1'-0"



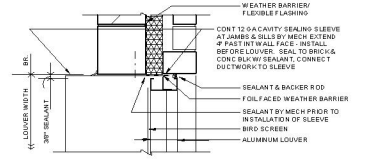
A7 SECONDARY ENTRY & EXIT DOOR THRESHOLD
6" = 1'-0"



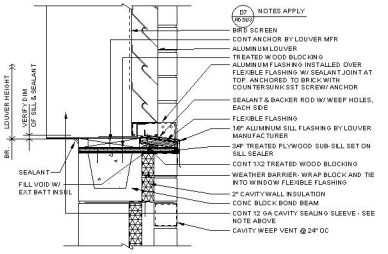
B7 MAIN ENTRY THRESHOLD
6" = 1'-0"



D7 LOUVER HEAD
1 1/2" = 1'-0"



E7 LOUVER JAMB
1 1/2" = 1'-0"



F7 LOUVER SILL
1 1/2" = 1'-0"

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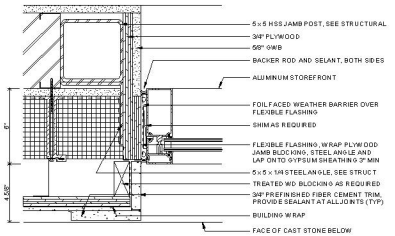
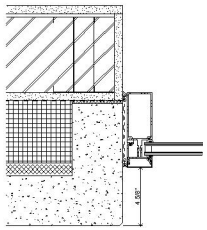
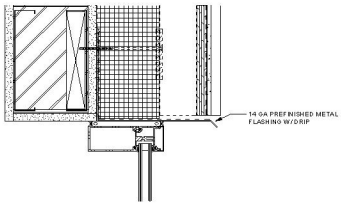


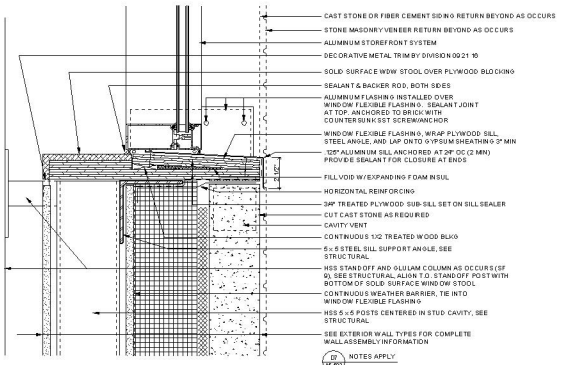
E1 SF JAMB AT FIBER CEMENT (TYPICAL)
3" = 1'-0"



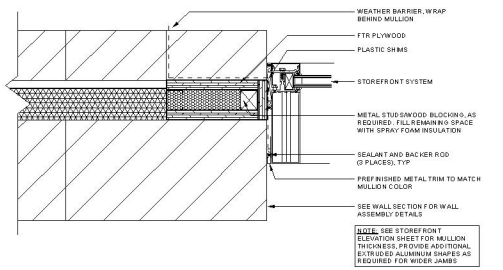
E3 SF JAMB DETAIL AT MASONRY (TYPICAL)
3" = 1'-0"



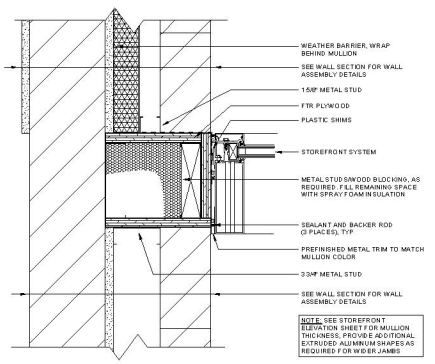
E4 SF HEAD AT FIBER CEMENT
3" = 1'-0"



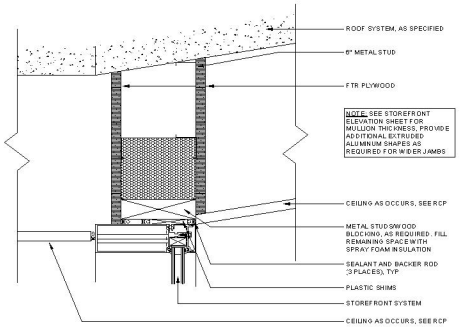
F1 SF SILL DETAIL AT CAST STONE
3" = 1'-0"



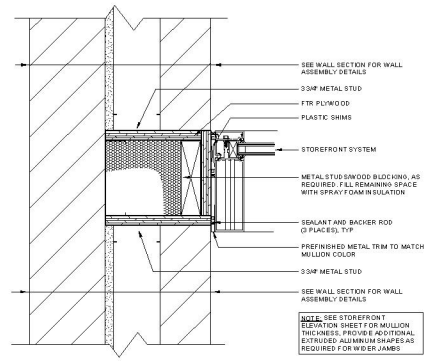
F4 STOREFRONT JAMB AT STONE/MASONRY BACKUP
3" = 1'-0"



B6 STOREFRONT JAMB AT INTERIOR BLOCK BASE
3" = 1'-0"



D6 STOREFRONT HEAD AT WOOD SOFFIT
3" = 1'-0"



F6 STOREFRONT JAMB AT STACKED WALL
3" = 1'-0"

100% CD DRAWINGS
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GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
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222064

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John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

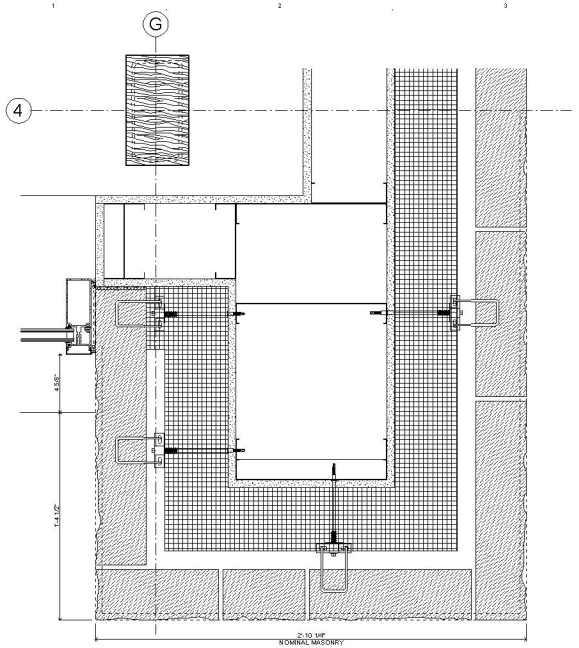
Comm: 222064
Date: 10/25/2022
Drawn: Author
Check: Checker
North

DETAILS - EXTERIOR OPENINGS

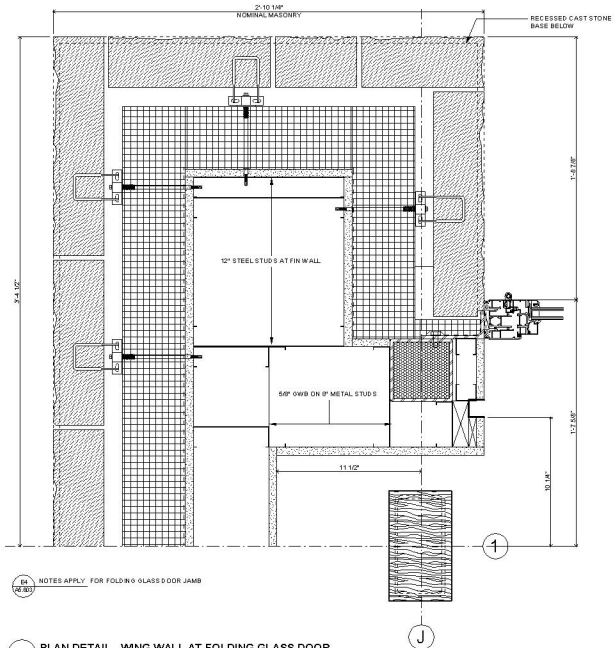
Scale: 3" = 1'-0"

A5.602

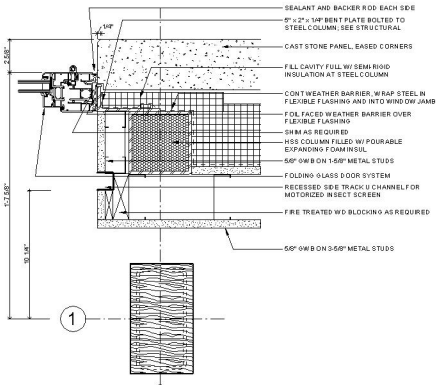
MN



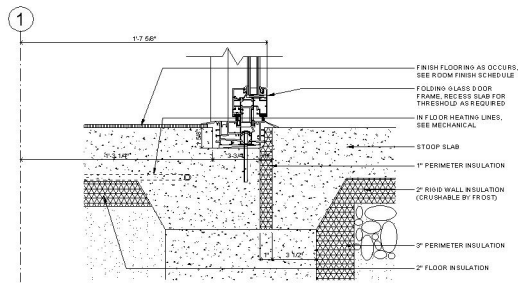
C1 PLAN DETAIL - WING WALL AT STOREFRONT 9
3" = 1'-0"



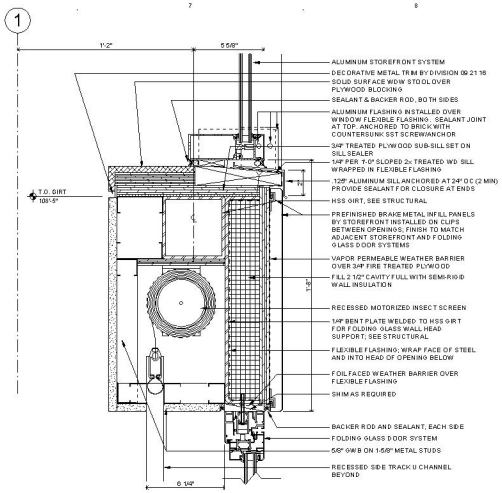
F1 PLAN DETAIL - WING WALL AT FOLDING GLASS DOOR
3" = 1'-0"



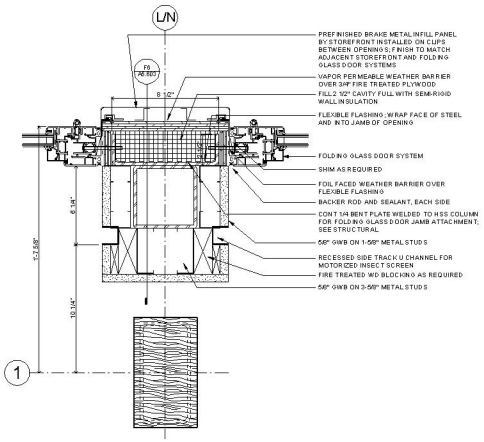
E4 EAST JAMB DETAIL - FOLDING GLASS DOOR
3" = 1'-0"



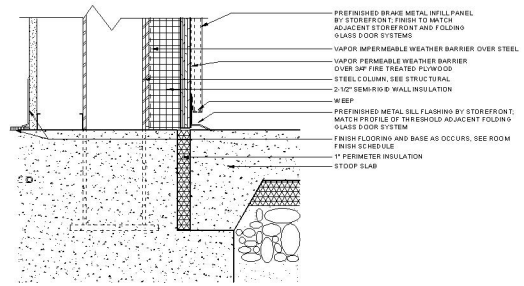
F4 SILL DETAIL - FOLDING GLASS DOOR
3" = 1'-0"



C6 HEAD/SILL DETAIL - FOLDING GLASS DOOR
3" = 1'-0"



E6 COLUMN ENCLOSURE - FOLDING GLASS DOORS
3" = 1'-0"



F6 BASE DETAIL - FOLDING GLASS DOOR COLUMN WRAP
3" = 1'-0"

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John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

Comm: 222064
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Drawn: MJS
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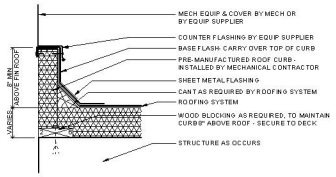
North

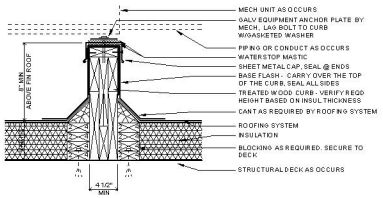
DETAILS - EXTERIOR OPENINGS

Scale: 3" = 1'-0"

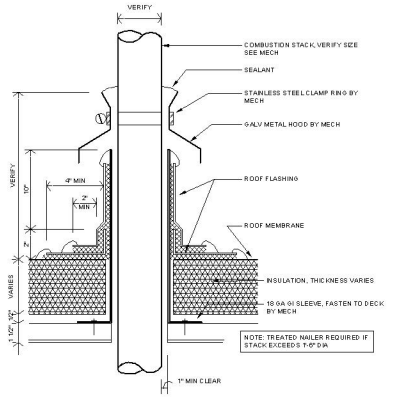
A5.603



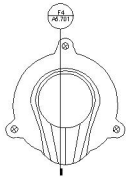
A2 PENETRATION CURB
1 1/2" = 1'-0"



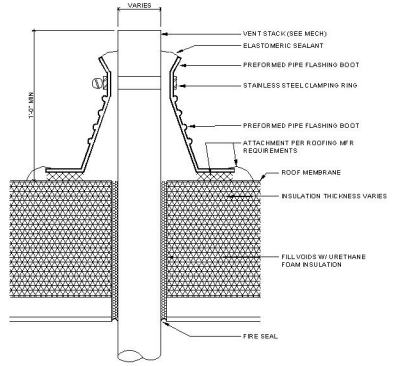
C2 EQUIPMENT CURB
1 1/2" = 1'-0"



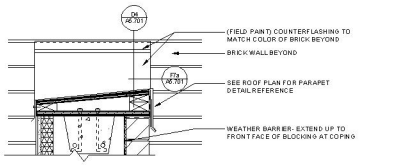
E2 MEMBRANE ROOF COMBUSTION STACK
3" = 1'-0"



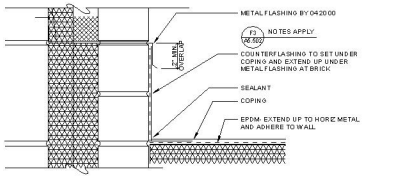
F2 DOWNSPOUT NOZZLE ELEVATION
3" = 1'-0"



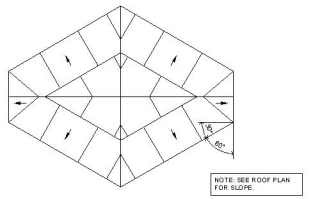
B4 MEMBRANE ROOF VENT
3" = 1'-0"



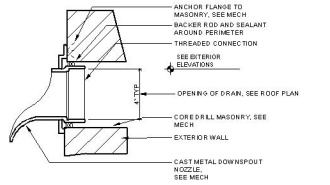
C4 COPING AT WALL ELEVATION
1 1/2" = 1'-0"



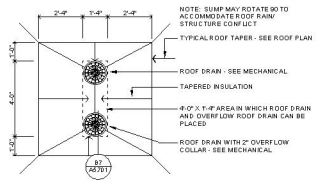
D4 COPING AT WALL SECTION
3" = 1'-0"



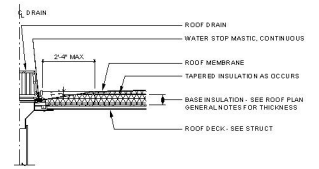
E4 ROOF CRICKET PLAN VIEW
1 1/2" = 1'-0"



F4 DOWNSPOUT NOZZLE SECTION
3" = 1'-0"

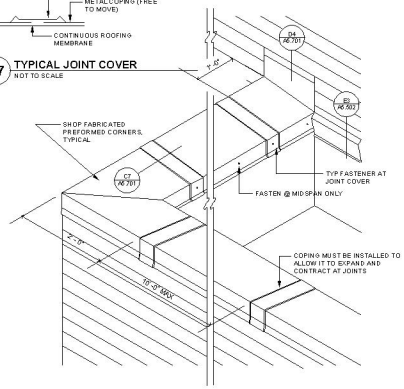


A7 ROOF DRAIN TYPICAL SUMP PLAN
3/8" = 1'-0"

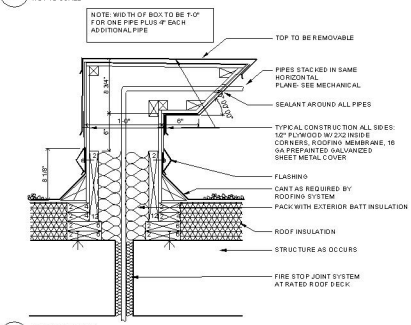


B7 ROOF DRAIN SUMP SECTION
3/4" = 1'-0"

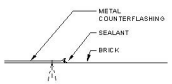
C7 TYPICAL JOINT COVER
NOT TO SCALE



D7 COPING DETAILS
NOT TO SCALE



F7 PIPING BOX
1 1/2" = 1'-0"



F7a COUNTERFLASHING EDGE
1 1/2" = 1'-0"

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John McNamara
License Number 24281 Date 10/25/2022

Revisions		
Description	Date	Num

Comm: 222064
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Drawn: Author
Check: Checker

DETAILS - EXTERIOR ROOF

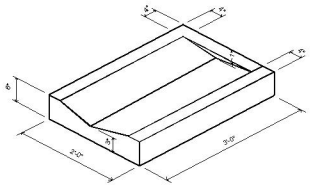
Scale: As indicated

A5.701

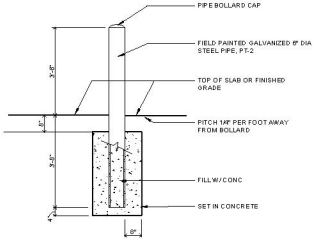
MN

A

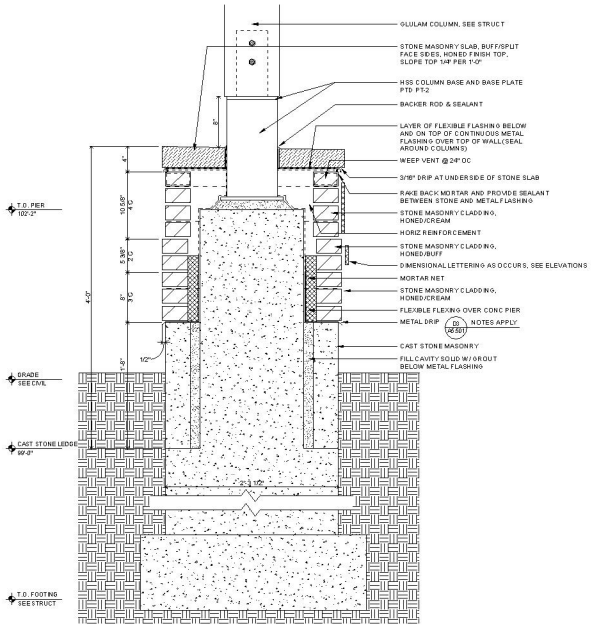
MN



B6 CONCRETE SPLASHBLOCK
1" = 1'-0"
0 6" 1'-0"



C6 BOLLARD DETAIL
1/2" = 1'-0"
0 1'-6" 3'



F6 SECTION AT MONUMENT (EXTERIOR COLUMN BASE SIM)
1 1/2" = 1'-0"
0 1/2" 1'

100% CD DRAWINGS
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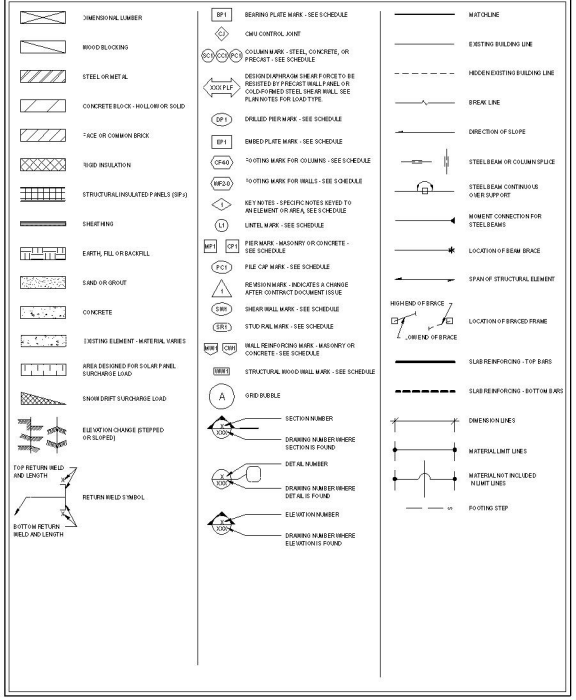
DETAILS - SITE

Scale: As indicated

A6.001

A

STRUCTURAL SYMBOLS



STRUCTURAL ABBREVIATIONS

ADDNL	Additional	FF	Far Face	NTS	Not To Scale
ALT	Alternate	"V	Field Verify	NO or #	Number
ANCH	Anchor	FLG	Flange	OC	On Center
AB	Anchor Bolt	FLR	Floor	OPNG or OPG	Opening
&	And	FT	Foot	OPP	Opposite
L	Angle	FTG	Footing	OD	Outside Diameter
ARCH	Architect or Architectural	FOUND or FDN	Foundation	OF	Outside Face
@	At	GALV	Galvanized	PSL	Parallel Strand Lumber
BSMT	Basement	GA	Gauge	/	Per
BM	Beam	GC	General Contractor	PLK	Plank
BRG	Bearing	GL or GLU-LAM	Glue Laminated Wood	PL	Plate
BNT	Bent	GB	Grade Beam	PT	Post Tensioning
BTWN or BET	Between	H	H Shaped Column	#	Pound
BLK	Block	HS	Headed Stud(s)	PSF	Pound per Square Foot
BB	Bond Beam / Lintel Beam	HP	High Point	PSI	Pound per Square Inch
BOT or BTM	Bottom	HSS	Hollow Structural Shape	PCF	Pounds per Cubic Foot
BRKT	Bracket	HK	Hook	PC	Precast
BLDG	Building	HOR Z	Horizontal	RFG	Reinforcing
CANT	Cantilever	IN	Inch	REINF	Reinforcing or Reinforce
CLG	Ceiling	INFO	Information	REBAR	Reinforcing Bar
CTR	Center	ID	Inside Diameter	REQ'D	Required
CL	Center Line	IF	Inside Face	REV	Reverse
CTR'D	Centered	INSUL	Insulation	RD	Roof Drain
C	Channel	INT	Interior	SCHED or SCH	Schedule
CLR	Clear	JT	Joint	SEC	Section
CFS	Cold-Formed Steel	JST(S)	Joist(s)	V	Shear
COL	Column	KIP	1K ip = 1,000 lbs	SHT	Sheet
COMP	Compressible	K	Kips	SIM	Similar
CONC	Concrete	KIPT	Kips per Foot	SIPs	Structural Insulated Panels
CMU	Concrete Masonry Unit	KSF	Kips per Square Foot	SOG	Slab on Grade
COND	Condition	KSI	Kips per Square Inch	S	South
CONN	Connection	LSL	Laminated Strand Lumber	SPS	Spacer
CONST	Construction	LVL	Laminated Veneer Lumber	SPEC	Specification
CONT	Continuous	LW	Light Weight	SQ	Square
CJ	Control Joint	L	Lintel	STAGG	Stagger
CONTR	Contractor	LL	Live Load	STD	Standard
DL	Dead Load	LLH	Long Leg Horizontal	STL	Steel
DEFL	Deflection	LLV	Long Leg Vertical	STRUCT or STR	Structure
DBA	Deformed Bar Anchor	LSH	Long Side Horizontal	SUPP	Support
DTL or DET	Detail	LSV	Long Side Vertical	TEMP	Temporary or Temperature
DWG	Diagonal	LP	Low Point	THRU	Through
DIA	Diameter	MFG	Manufacturer / Manufacturing	T&B	Top and Bottom
DIM	Dimension	MAS	Masonry	TOB	Top of Beam
DN(S)	Down(s)	MO	Masonry Opening	TOF	Top of Element
DWG(S) or DRWG	Drawing(s)	MAT	Material	TOF	Top of Footing
EA	Each	MAX	Maximum	TOS	Top of Slab
EF	Each Face	MECH	Mechanical	TYP	Typical
EW	Each Way	MEP	Mechanical, Electrical, and Plumbing	UN	Unless Noted
E	East	MBR	Member	UNO	Unless Noted Otherwise
E-W	East - West	MEZZ	Mezzanine	VER	Verify
Fe	Effective Force (P.T.)	MPH	Miles per Hour	VIF	Verify in Field
ELEC	Electrical	MIN	Minimum	VERT	Vertical
EL	Elevation	MISC	Miscellaneous	WWF	Welded Wire Fabric
ELEV	Elevator	MC	Miscellaneous Channel	WI	Wet or Wide Flange
EOR	Engineer of Record	M	Moment	WND	Window
EQ	Equal	NF	Near Face	W/	With
EXP	Expansion	NOM	Nominal	W/O	Without
EJ or E.W. JT	Expansion Joint	N	North	WD	Wood
EXT	Extend or Exterior	N-S	North - South	WP	Workpoint

GENERAL STRUCTURAL NOTES

These notes are provided for typical conditions. See plans and details for specific requirements in other areas.

DEFERRED STRUCTURAL SUBMITTALS
Deferred submittals are those portions of the design which are not submitted at the time of permit application but are to be submitted to the building official prior to installation. Deferred submittals are governed by Minnesota State Building Code section 1300.0160. The following items are to be issued as deferred submittals:
- Cold-formed steel framing
- Curtainwall systems

For all deferred structural submittals, include design and calculations prepared and certified by an engineer licensed to practice in the state in which the project is located as part of the submittal documents. See specification for additional shop drawing requirements. Provide deferred submittals a minimum of 30 days prior to installation, and after contractor's review, to the architect of record for general conformance to the contract documents. After architect's review, submit to building official for review and approval. Do not install deferred submittal items until submittal documents have been reviewed and approved by the building official.

Refer to architectural, civil, mechanical, and electrical drawings for additional deferred submittal components.

COORDINATION – ARCHITECTURAL, MECHANICAL AND ELECTRICAL ITEMS
Verify all depressions, dimensions, elevations, openings, equipment, supports, and details and coordinate by reference to architectural, mechanical, and electrical drawings.

OPENINGS
Verify size and location of all openings with architectural, mechanical, and electrical drawings. Structural drawings do not necessarily show all openings.
Provide openings in floor and roof not shown on structural drawings between structural members. Notify Structural Engineer before opening is larger than 12" in any dimension are added.
Obtain prior approval from Structural Engineer before making any openings through structural members if the openings are not shown on the structural drawings.

DESIGN CODES AND STANDARDS
International Building Code (IBC) 2018 – As amended by the Minnesota State Building Code 2020
American Society of Civil Engineers' (ASCE) 7-16 – *Minimum Design Loads and Associated Criteria for Buildings and Other Structures*
American Concrete Institute (ACI) 318-14 – *Building Code Requirements for Structural Concrete*
American Institute of Steel Construction – *Steel Construction Manual* – Fifteenth Edition (AISC 15th)
American Welding Society: D1.1-2015 – Structural Welding Code – Steel and D1.3-2008 – Structural Welding Code – Sheet Steel as modified by AISC Specifications
Steel Deck Institute RD-2017 – Standard for Steel Roof Deck (SDI RD)
American Iron and Steel Institute (AISI) S100-16 – *North American Specification for the Design of Cold-Formed Steel Structural Members*
American Wood Council – *National Design Specification for Wood Construction* (NDS) – 2018 Edition with 2018 NDS Supplement
American Wood Council – *Special Design Provisions for Wind and Seismic* (SDPWS) – 2015 Edition

DESIGN CRITERIA
Reinforcing Steel (Fy)
- 60,000 psi (A615, Grade 60)

Concrete (Fc) (28-day compressive strength)
- 5,000 psi for piers
- 5,000 psi for exterior concrete
- 4,000 psi unless noted
- 4,000 psi for interior slab on grade
- 3,000 psi for footings

Structural Steel (Fy)
- 50,000 psi (ASTM or A572 Grade 50) for W shapes
- 36,000 psi (A36) for bars, plates, angles and other shapes
- 50,000 psi (A500, Grade C) for rectangular structural tubing
- 35,000 psi (F1554, Grade 55) for anchor rods

Wood (Base Design Values subject to modification per NDS)
- Glued - Laminated Timber: Douglas Fir – Larch or Southern Pine = 24F-V8
  - Bending: + 2400 psi / - 2400 psi
  - Compression (parallel to grain): 1650 psi
  - Compression (perpendicular to grain): 560 psi
  - Shear: 200 psi
  - Elastic Modulus: 1.8x10⁶ psi

DESIGN LOADS
Roof Loads:
- Roof Dead Load: 20 psf superimposed (excludes solar dead load)
- Roof Snow Load Parameters
  - Ground Snow Load: 50 psf
  - Exposure Factor (Ce): 1.0
  - Occupancy Importance Factor: 1.0
  - Thermal Factor (Ct): 1.0
  - Flat Roof Snow Load (Pf): 35 psf
- Snow Drift Loads: In accordance with ASCE 7 Chapter 7.
- Solar-Ready Roof: 15 psf additional dead load

Wind Loads:
- MN Simplified Wind Loads (MSBC 1303.2200)
  - Risk Category: 1.0
  - Exposure: B
  - Basic design wind speed: 115 MPH (3-second gust)
  - Allowable stress design wind speed: 89 MPH
  - Topographic Factor (Kzt): 1.0
- Components and cladding wind loads (ultimate):
  - Roof Uplift:
    - Interior Zones: 25 psf
    - Edge Zones: 30 psf (within (4'-0" of edge, away from corner)
    - Corner Zones: 51 psf (within 24'-0" of corner)
    - Overhangs: 52 psf
  - Walls:
    - Zone 4: 21 psf
    - Zone 5: 28 psf

Seismic Loads:
- Seismic design not required per MSBC 1605.10.11 Subparagraph 4

SOLAR-READY ROOFS
The roof has been designed for a ballasted solar panel system. The solar panel system is to include tube spreaders below the ballast mats to distribute uniform load on the primary structure.

TEMPORARY BRACING
This structure is a non-self-supporting steel frame that requires interaction with slabs, steel deck, and masonry or concrete walls to provide the required lateral stability. Provide required temporary bracing for structural steel until permanent bracing, slabs, steel deck, and walls are in place.
Provide temporary bracing for all walls (concrete, masonry, cold formed steel, or wood) until they are of adequate design strength and are properly anchored in final form.

GEOTECHNICAL INFORMATION
The foundation designs based on the recommendations contained in Geotechnical Report number E2249859 prepared by Braun Intertec Corporation and dated June 30, 2022. Allowable foundation pressures are to be verified in field by a licensed professional geotechnical engineer. Foundation design parameters are as follows:
- Net soil bearing capacity
  - Strip footings: 4,000 psf
  - Spread footings: 4,000 psf
- Lateral Soil Pressure (equivalent fluid pressures)
  - Active Equivalent Fluid Pressure: 40 pcf/ft
  - At-Rest Equivalent Fluid Pressure: 60 pcf/ft
  - Passive Equivalent Fluid pressure: 400 pcf/ft
- Coefficient of friction: 0.45

CONCRETE REINFORCING GENERAL
Provide standard hooks when hook length is not specified.
See sheet S1.001 for required reinforcing splice lengths.
Provide epoxy coated reinforcing for all concrete exposed to weather such as retaining walls, and exterior walls, piers, columns, slabs, and paving. Epoxy coated reinforcing is not required for building foundation walls unless specifically noted.

CONCRETE COVER ON REINFORCING
- Footings: 3" clear bottom and sides
  - 2" clear top
- Walls: 1 1/2" clear outside face and surfaces exposed to earth or weather
  - (2" for #6 bars or larger)
  - 3/4" clear inside face
- Columns, Piers, and Beams: 1 1/2" clear to ties or stirrups
- Slab on Grade: Place reinforcing in upper third of slab
  - minimum 3/4" clear top)

FOOTINGS
For wall footings, provide 32 bar dia. lap at reinforcing splices and full crossing lap at intersections.
Unless otherwise noted, exterior wall footings under walls and column footings under columns.
Footing elevations shown on plans are to top of footing (T.O.F).
Hook wall and column dowels at 3" clear bottom of footing.

CONCRETE SLAB SIDING RIDE
Provide thickened slab below non-bearing masonry walls. See section 603.001.
See details S03.001 & S03.101 for control/construction joints.
If control joints are not shown in slabs, place control/construction joints at columns and provide additional joints to meet the spacings indicated below:
- interior slabs, 12'-0" o.c maximum

"L" shaped panels and rectangular panels (with length to width ratio greater than 1.5) are not allowed.
All control/construction joints must be continuous and not staggered or offset.

FOUNDED CONCRETE WALLS
See detail SF3.001 for horizontal reinforcing at intersecting walls.
All openings 12" or larger, in walls shall have:
- 1 - #4 x 4'-0" each face diagonal at each corner
- 1 - #5 each face, each side of opening, extend 2'-0" beyond opening

Wall reinforcing is continuous through column, unless detailed otherwise.
See detail S03.3301 for typical vertical control/construction joints.

STRUCTURAL STEEL
Structural steel fabrication and construction shall conform to the AISC "Manual of Steel Construction" and the AISC "Code of Standard Practice for Steel Buildings and Bridges".
Galvanize structural steel exposed to weather and brick support angles in exterior walls according to ASTM A123.
Do not field cut or alter structural members without approval of the Structural Engineer.

LATERAL LOAD RESISTING SYSTEM FOR STRUCTURAL STEEL BUILDINGS
The following elements comprise the primary lateral load resisting system:
- Roof Diaphragm: Steel roof decking.
- Collector elements/drag struts: See plan.
- Lateral load resisting system: steel braced frames

STRUCTURAL STEEL CONNECTIONS
Typically, provide welded or bolted shop connections and bolted field connections.
Typical bolts are 3/4" Ø A325-N bolts in standard or short slotted holes.
Standard roof beam splices are shown on sheet S05.5101.
Provide shear connections according to the standard connection schedule on sheet S4.001.

STEEL ROOF DECK
Provide reinforcing at openings that cut vertical flute webs, including, but not limited to, roof drains, mechanical duct work, and piping. For openings in deck, see detail S053.101 for angle frames.
Weld deck to angle frame with 5/8" diameter puddle welds at 12"o.c.
Allowable point loads applied to steel deck are controlled by the following:
- Maximum of 250 pounds in any 9'-0"x9'-0" square area.
- Maximum of 100 pounds on any individual hanger location.

The total mechanical load applied to a deck supporting member shall not exceed 5 pounds per square foot uniform load (typical) or 25 pounds per square foot in mechanical mains.

LOOSE ANGLE BRICK LINTELS
Base lintel a minimum of 8" each side of opening. Locate vertical leg a minimum of 2" from back face of masonry veneer assembly.
Provide minimum lintels as follows based on spacing width:
- Up to 4'-0" 8 x 5-1/2 x 3/8 lintel plate (LLV)
- 4'-0" to 12'-0" 8 x 5-1/2 x 3/8 lintel plate (LLV)

Provide longer horizontal leg, if needed, to extend to between 12" and 4" clear outside face of brick.
See details or notify engineer for lintels outside of the above parameters.
Provide L4 10x4 1/2x5/16 (LLV) continuous closure angle on back side of brick angle at window (non-curtainwall) locations. Coordinate with architectural for glazing conditions. Prior to galvanizing, weld top and bottom of closure angle vertical leg to lintel with minimum 2" of weld every 12" of angle length.

COLD-FORMED STEEL FRAMING
Design and construct cold-formed steel framing according to *AISI Specification for the Design of Cold-Formed Steel Structural Members*. Gravity and lateral loads shall be according to IBC Chapter 16. Provide calculations, prepared and certified by an engineer licensed to practice in the state in which the project is located, and detailed shop drawings for review.
The drawings are intended to express the minimum design performance. Alternate design of equivalent capacity will be considered if compatible with architectural requirements and if calculations and detailed shop drawings are submitted for review.
The cold-formed steel framing resists lateral loads only and provides lateral stability for exterior materials. Provide connections that transfer loads to the primary structural frame and allow for minimum deflection of floor and roof framing of L/360.

GLUE-LAMINATED TIMBER
Continuous and cantilevered members shall be Douglas Fir Combination Symbol 24F-V8 DF/DF with no camber.
Columns shall be Combination #2 or better.
All glued laminated timber shall have less than 16% moisture content, unless noted otherwise.
Seal cut edges and ends exposed to weathering.
The fabricator shall furnish all items of connection steel and hardware for joining timber members to each other and to their supports;
exclusive of anchorage embedded in masonry, ceiling nailers, and bars field-welded to structural steel.

SHEET INDEX

S0.000	TITLE SHEET
S2.001	FOUNDATION AND ROOF FRAMING PLANS
S2.101	BRACED FRAME ELEVATIONS
S3.001	SECTIONS AND DETAILS - FOUNDATION
S3.101	SECTIONS AND DETAILS - ROOF
S4.001	SCHEDULES AND DETAILS

REQUIRED STRUCTURAL SPECIAL INSPECTIONS

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1704 AND 1705 OF THE INTERNATIONAL BUILDING CODE. SEE SPECIFICATION SECTION 014533 AND MATERIAL SPECIFICATION SECTIONS FOR SPECIFIC REQUIREMENTS. CONSTRUCTION NOT ASSOCIATED WITH THE STRUCTURAL SYSTEM MAY REQUIRE SPECIAL INSPECTION BUT IS NOT LISTED HERE.

ITEM	REQUIRED?	REMARKS
1. Soils compliance prior to foundation construction	YES	Reference IBC 1705.6
2. Column footings	NO	Building is 3 stories or less in height
3. Wall footings	NO	Footing test prior concrete placement for PL 2500 psi Building is 3 stories or less in height
4. Structural concrete	YES	Reference IBC Table 1705.3 and MSBC 1905.1705
5. Reinforcing steel	YES	Reference IBC Table 1705.3
6. Bolts installed in concrete	YES	Reference IBC Table 1705.3
7. Post-installed anchors	YES	Reference IBC Table 1705.3
8. Structural steel fabrication	YES	May be performed by fabricator if fabricator is AISC certified. Reference IBC 1705.2 and AISC 360 Chapter N
9. Structural steel field welding and high strength bolting	YES	Reference IBC 1705.2.1 and AISC 360 Chapter N
10. Steel decking	YES	Reference IBC 1705.2.2 and SDI QA/QC
11. Structural cold-formed steel framing welding	YES	

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Matthew J. Ricker
License Number 43682 Date 10/26/2022

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Description	Date	Num

Comm: 222064
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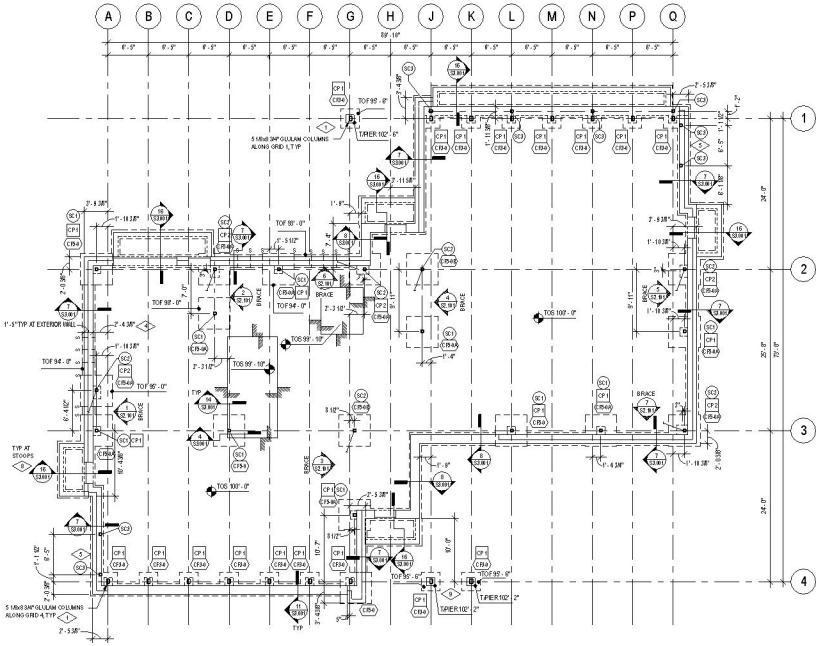
TITLE SHEET

S0.000

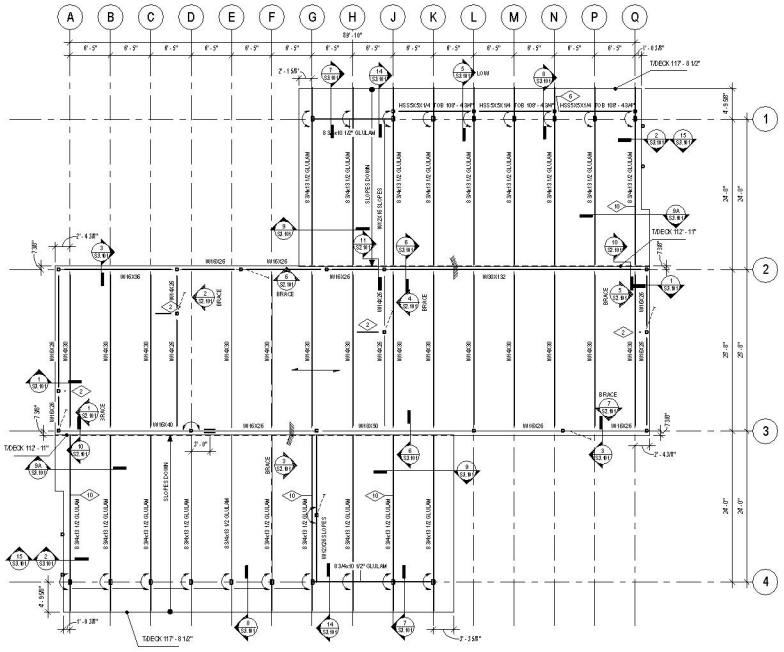


1 FOUNDATION PLAN
S2.001

UNLESS NOTED OTHERWISE:
1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S3.000 FOR TYPICAL FOUNDATION DETAILS.
3. SEE SHEET S4.000 FOR SCHEDULES.
4. PROVIDE 5" SLAB ON GRADE W/MICRO FIBER REINFORCING (MINIMUM 1.5# POUNDS PER CUBIC YARD) SEE SECTION 9/S3.001 FOR THICKENED SLABS BELOW NON-BEARING MASONRY WALLS.
5. TOP OF SLAB ELEVATION = 100'-0".
6. TOP OF EXTERIOR FOOTING ELEVATION (TOF) AT WALL AND COLUMNS = 97'-0".
7. TOP OF INTERIOR FOOTING ELEVATION (TOF) AT WALL AND COLUMNS = 99'-0".
8. PROVIDE SLEEVES FOR ALL PIPES THAT INTERSECT BUILDING FOUNDATIONS. STEP OR THICKEN FOOTINGS AS SHOWN IN SECTION 10/S3.001 AND DETAIL 2/S3.000. COORDINATE LOCATIONS AND ELEVATIONS WITH CIVIL AND MECHANICAL.
9. TOP OF PIER ELEVATION = 99'-4". ALL PIERS ARE CP 1 UNLESS NOTED OTHERWISE.
10. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATINGS OF STRUCTURAL MASONRY WALLS AND FIRE LOCATIONS AND FIRE RATINGS OF NON-BEARING MASONRY WALLS.
11. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND FURRED MASONRY WALLS.
12. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

KEYNOTES

1	GLULAM BASE CONNECTION. SEE 10/S3.001
2	W6x12 OR L3x3x1/4 TO TOP OF COLUMN BRACING
4	MECHANICAL ROOM FLOOR DRAIN, SEE 13/S3.001. LOCATE PER ARCH
5	ANGLE AND CONNECTION TO HSS PER 11/S3.001 FOR SILL AT WINDOW.
6	2-2x BLOCKING BETWEEN GLULAM BEAMS ABOVE GLAZING, SEE 9/S3.101
8	SEE ARCH FOR SIZE AND LOCATION OF STOOPS TYP
9	EXTERIOR PIERS TO BE POURED INTEGRAL WITH LANDSCAPE BENCH (2 TOTAL)
10	GLULAM DRAG MEMBER. CONNECT DECK TO GLULAM PER 2/S3.101



2 ROOF FRAMING PLAN
S2.001

UNLESS NOTED OTHERWISE:
1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. SEE SHEET S4.000 FOR SCHEDULES.
3. 3N - 20GA ROOF DECK
4. TYPICAL TOP OF DECK ELEVATION = 112'-11".
5. SEE 4/S3.101 FOR TYPICAL DECK ATTACHMENT TO STEEL BEAMS. 3-#12 SCREWS @8" AT END LAP AND INTERMEDIATE SUPPORTS FOR DECK ATTACHMENT TO GLULAM BEAMS.
6. PROVIDE 2-5/8"WEB STIFFENER PLATES AT STEEL BEAMS RUNNING OVER COLUMNS OR WALLS. CENTER ON SUPPORT.
7. SEE GENERAL STRUCTURAL NOTES FOR TYPICAL ROOF FRAMING AT OPENINGS WIDER THAN 6'. COORDINATE WITH ARCHITECTURAL/MECHANICAL DRAWINGS FOR OPENING LOCATION AND SIZE.
8. SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPES.
9. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

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License Number 43682 Date 10/26/2022

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Description	Date	Num

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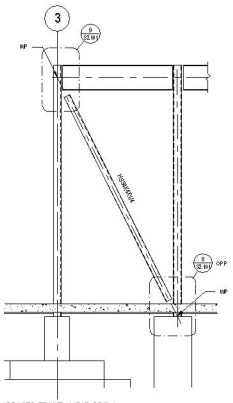
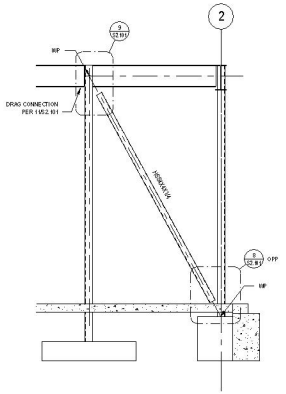
FOUNDATION AND ROOF FRAMING PLANS

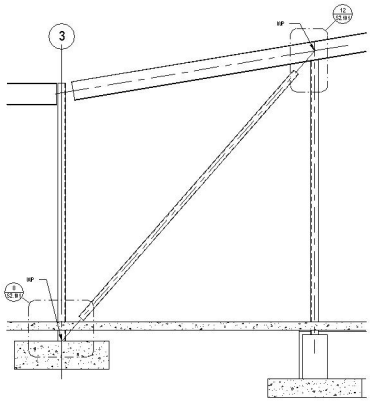
S2.001



1 S2.101 BRACED FRAME - NEAR GRID A



2 S2.101 BRACED FRAME - NEAR GRID D



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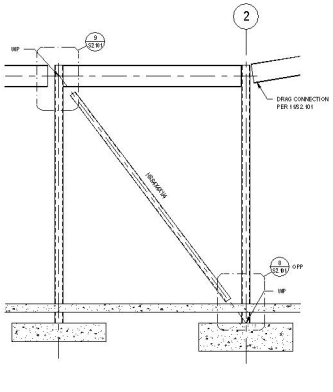

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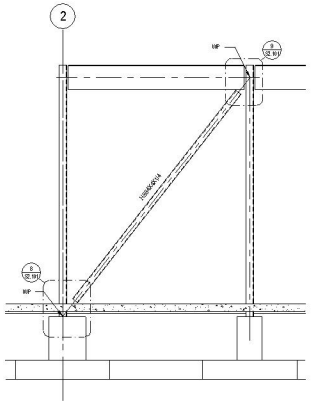

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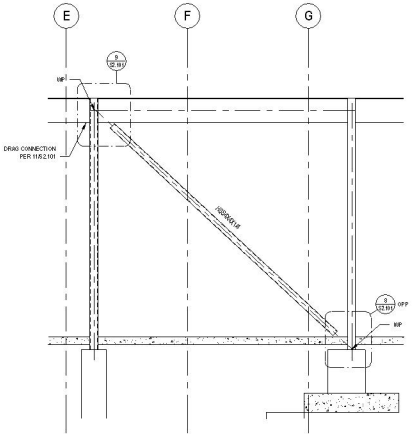
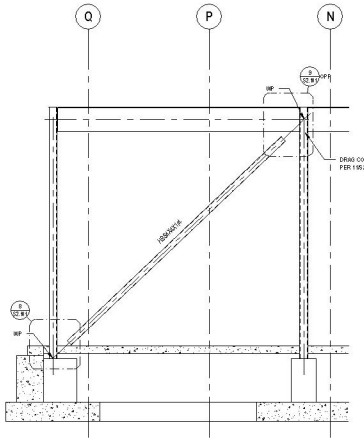


6 S2.101 BRACED FRAME - GRID 2



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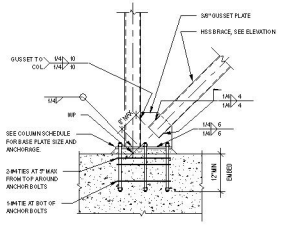
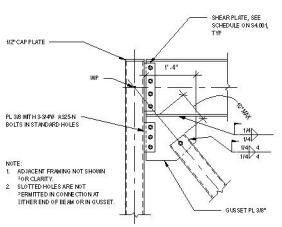
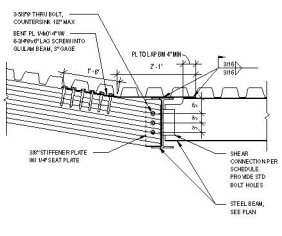


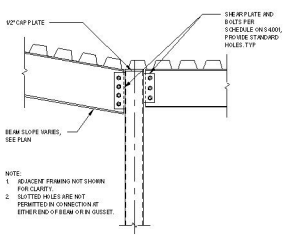
8 S2.101 BRACED FRAME CONNECTION



9 S2.101 BRACED FRAME CONNECTION



10 S2.101 GLULAM AT STEEL BEAM



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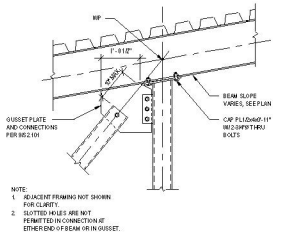

12 S2.101 BRACED FRAME CONNECTION

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License Number 43682 Date 10/26/2022

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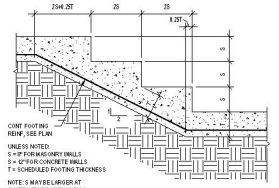
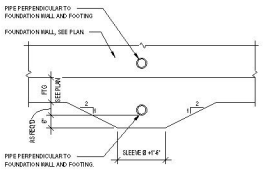
BRACED FRAME ELEVATIONS

S2.101

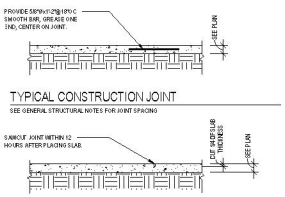


1 TYPICAL FOOTING STEP SECTION
S3.001

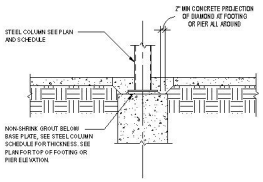


NOTES:
1. FOR PIPES BELOW FOOTING PROVIDE SLEEVE AND THICKEN CONCRETE FOOTING AS SHOWN OR STEP FOOTING BELOW PIPE PER 1503.001.
2. FOR PIPES WITHIN FOOTING DEPTH STEP FOOTING PER 1503.001 SO PIPES PASS THROUGH WALL. PROVIDE SLEEVE AND GROUT INTO WALL.
3. SLEEVE DIAMETER TO BE 2" GREATER THAN PIPE OUTSIDE DIAMETER.
4. COORDINATE PIPING LOCATIONS WITH MECHANICAL DRAWINGS.

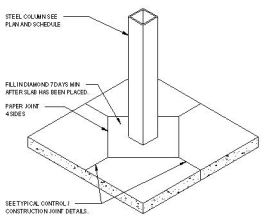
2 DETAIL
S3.001



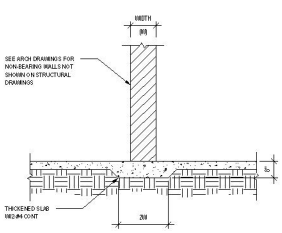
3 DETAIL
S3.001



4 TYPICAL INTERIOR TUBE COLUMN AT SLAB ON GRADE DETAIL
S3.001



5 TYPICAL SLAB AT STEEL TUBE COLUMN DETAIL
S3.001



6 TYPICAL NON BEARING CMU WALL
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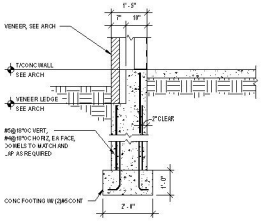
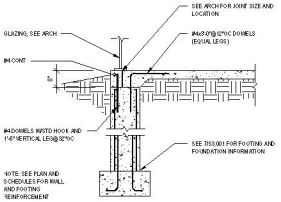


1 TYPICAL EXTERIOR FOUNDATION
S3.001



8 TYPICAL FOUNDATION AT GLAZING
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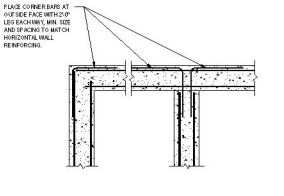
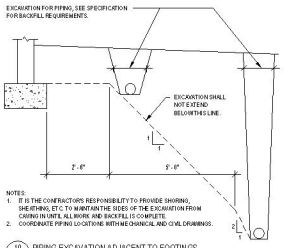
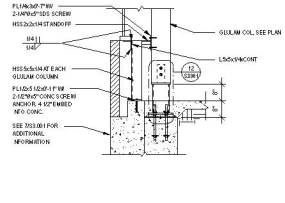


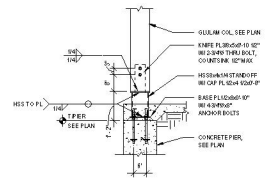
9 TYPICAL REINFORCED CONCRETE WALL PLAN
S3.001



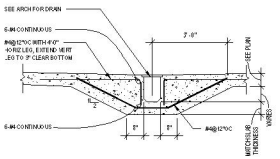
10 PIPING EXCAVATION ADJACENT TO FOOTINGS
S3.001



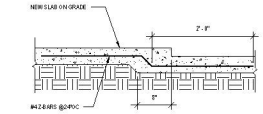
11 COLUMN CONNECTION - GRID 4
S3.001



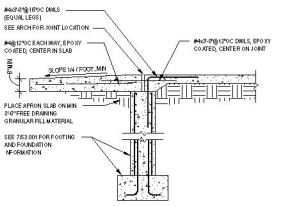
12 GULAM COLUMN BASE
S3.001



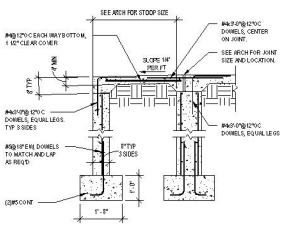
13 DRAIN AT MECHANICAL ROOM
S3.001



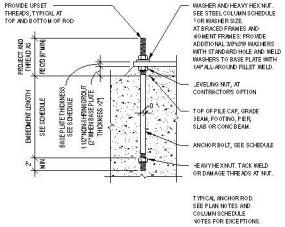
14 DEPRESSED SLAB REINFORCEMENT
S3.001



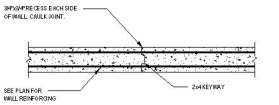
15 THRESHOLD AT CONC APRON
S3.001



16 TYPICAL STOOP AT THRESHOLD
S3.001



17 DETAIL
S3.001



NOTES:
1. AT CONTROL JOINTS OMIT KEYWAY AND PROVIDE RECESS EACH SIDE OF WALL.
2. PLACE CONTROL JOINTS @ 30'-0" MAXIMUM. FOR WALLS LESS THAN 8'-0" TALL, PLACE CONTROL JOINTS AT 3TIMES WALL HEIGHT (MAX).
3. STOP 1/2 OF HORIZONTAL REINFORCING PRECISELY AT CONTROL JOINT LOCATIONS.

19 TYPICAL VERTICAL CONTROL/CONSTRUCTION JOINT IN CONC WALL
S3.001

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BKBM Job No. 2225020

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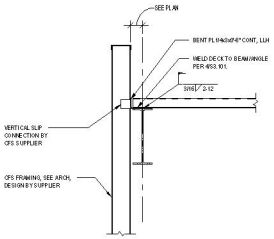
Matthew J. Ricker
License Number 43682 Date 10/26/2022

Revisions		
Description	Date	Num

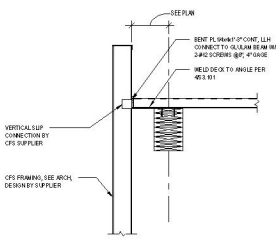
Comm: 222064
Date: 10/26/2022
Drawn: MAP
Check: LEP, DML

SECTIONS AND DETAILS - FOUNDATION

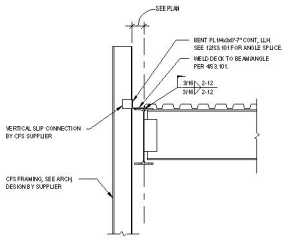
S3.001



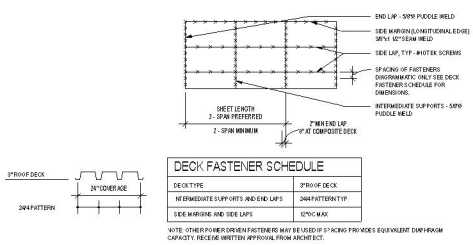
1 TYPICAL EXTERIOR BY-PASS WALL AT STEEL
S3.101



2 TYPICAL EXTERIOR BY-PASS WALL AT GLULAM
S3.101



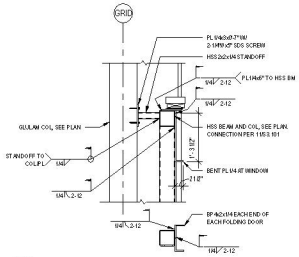
3 SECTION
S3.101



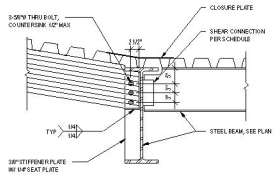
DECK FASTENER SCHEDULE	
DECK TYPE	1"ROOF DECK
INTERMEDIATE SUPPORTS AND END LAPS	2#4 PATTERN TYP
SIDE MARGINS AND SIDE LAPS	12"o/c MAX

NOTE: OTHER POWER DRIVEN FASTENERS MAY BE USED IF STRONG PROVIDES EQUIVALENT DIAPHRAGM CAPACITY, RECEIVE WRITTEN APPROVAL FROM ARCHITECT.

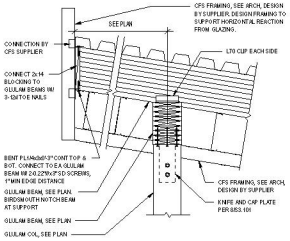
4 STEEL DECK ATTACHMENT
S3.101



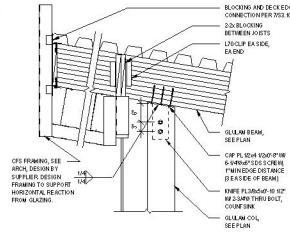
5 HSS FRAME TO GLULAM COLUMN CONNECTION AT SLIDING DOOR
S3.101



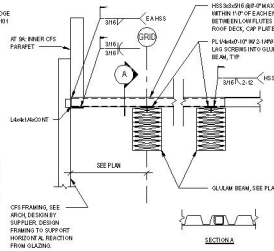
6 GLULAM AT STEEL BEAM
S3.101



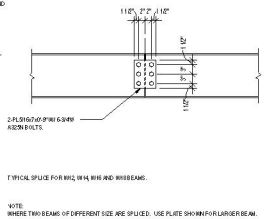
7 GLULAM CANTILEVER
S3.101



8 GLULAM AT COLUMN
S3.101



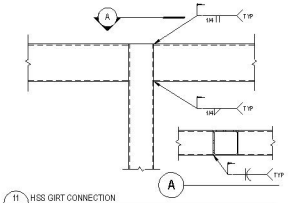
9 / 9A CANTILEVER ROOF DECK
S3.101 / S3.101



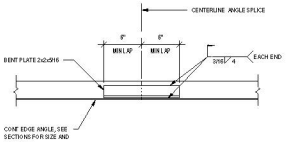
TYPICAL SPLICE FOR W12, W14, W16 AND W18 BEAMS.

NOTE:
WHERE TWO BEAMS OF DIFFERENT SIZE ARE SPLICED: USE PLATE SHOWN FOR LARGER BEAM.

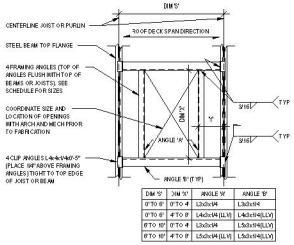
10 DETAIL
S3.101



11 HSS GIRT CONNECTION
S3.101

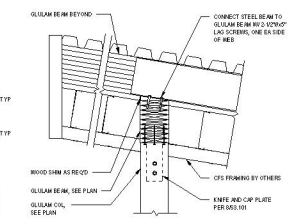


12 DETAIL
S3.101

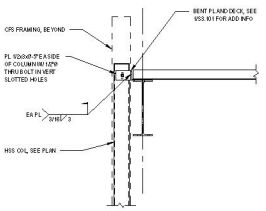


DIM 'S'	DIM 'W'	ANGLE 'A'	ANGLE 'B'
0'TO 6"	0'TO 4"	L2x2x1/4	L3x3x1/4
0'TO 6"	4'TO 8"	L4x3x1/4 (LLV)	L4x3x1/4(LLV)
6'TO 10"	0'TO 4"	L2x2x1/4	L3x3x1/4(LLV)
6'TO 10"	4'TO 8"	L5x3x1/4 (LLV)	L5x3x1/4(LLV)

13 OPENING IN NEW ROOF DECK
S3.101



14 STEEL BEAM AT GLULAM BEAM SUPPORT
S3.101



15 STEEL COLUMN IN BY-PASS WALL
S3.101

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Matthew J. Ricker
License Number: 43682 Date: 10/26/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/26/2022
Drawn: MAP
Check: LEP, DML

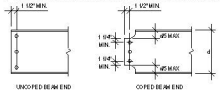
SECTIONS AND DETAILS - ROOF

S3.101

SINGLE PLATE CONNECTION TABLE

BEAM SIZE	# OF BOLT ROWS	Ø Rn COPED	Ø Rn UNCOPED	REMARKS
W8x10-W8x21, W10x12-W10x22	2	19 (13K FOR W8x10, 17K FOR W8x13)	25	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >3-3" (MAX CAPACITY=17K WITHOUT STIFFENER)
W8x24-W8x67, W10x26-W10x54	2	25	25	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >3-3" (MAX CAPACITY=21K WITHOUT STIFFENER)
W8x58-LARGER, W10x60-LARGER	2	25	25	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >3-3" (MAX CAPACITY=21K WITHOUT STIFFENER)
W12x14-W12x30 W14x22-W14x30	3	39 (32K FOR W12x14, 35K FOR W12x16)	48	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >3-3" (MAX CAPACITY=32K WITHOUT STIFFENER)
W12x35-LARGER, W14x34-LARGER	3	48	48	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >3-3" (MAX CAPACITY=32K WITHOUT STIFFENER)
W16x26-W16x40, W18x35-W18x40	4	58	62	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >3-3" (MAX CAPACITY=48K WITHOUT STIFFENER)
W16x45-LARGER, W18x46-LARGER	4	62	62	
ALL W21 AND W24	5	80	80	USE ONLY WHERE NOTED FOR W24S
ALL W27 AND W30	6	95	95	USE ONLY WHERE NOTED

UNLESS NOTED OTHERWISE:
ASSUMES AISC STANDARD CONNECTION CONFIGURATION.
1. ALL BOLTS 3/4"Ø A325-N, PLATE WELDS 2-5/16" FULL LENGTH FILLET WELDS.
2. ALL PLATES 5/16"THICK ASTM A36, ALL BEAMS ASTM A992.
3. FOR COPED BEAMS Lc≥1 1/2" MINIMUM, Lc≥1 1/4"MINIMUM (PARAMETERS PER AISC 15TH EDITION). MAXIMUM COPE LENGTH = 5" MAXIMUM COPE DEPTH = 20% OF BEAM DEPTH.
4. HORIZONTAL SHORT SLOTTED HOLES PERMITTED IN BEAM WEB.
5. COORDINATE PLATE LENGTH WITH DRAWINGS AND COORDINATE BOLT LOCATIONS FOR ERECTION PURPOSES.
6. BEAMS REQUIRING ADDITIONAL BOLTS WILL BE NOTED ON THE DRAWINGS THUS: "5P-3" (5=NUMBER OF ROWS, 3=NUMBER OF BOLTS).
7. CAPACITIES SHOWN REPRESENT MINIMUM CONNECTION CAPACITY FOR THE RANGE OF SIZES GIVEN.
8. AT PERPENDICULAR HSS COLUMN CONNECTIONS, MINIMUM HSS TUBE WALL THICKNESS IS 1/4".



CLASS 'A' TENSION LAP SPLICE TABLE

BAR SIZE	fc (psi)							
	2500	3000	3500	4000	5000	6000	7000	8000
#3	1'-0"	1'-0"	1'-0"	1'-0"	1'-1"	1'-0"	1'-0"	1'-0"
#4	2'-0"	1'-10"	1'-9"	1'-7"	1'-5"	1'-4"	1'-3"	1'-2"
#5	2'-6"	2'-4"	2'-2"	2'-0"	1'-10"	1'-8"	1'-6"	1'-5"
#6	3'-0"	2'-9"	2'-7"	2'-5"	2'-2"	2'-0"	1'-10"	1'-9"
#7	4'-5"	4'-0"	3'-9"	3'-6"	3'-2"	2'-10"	2'-8"	2'-6"
#8	5'-0"	4'-7"	4'-3"	4'-0"	3'-7"	3'-3"	3'-0"	2'-10"
#9	5'-8"	5'-2"	4'-10"	4'-6"	4'-0"	3'-8"	3'-5"	3'-2"
#10	6'-4"	5'-9"	5'-4"	5'-0"	4'-5"	4'-1"	3'-9"	3'-6"
#11	7'-1"	6'-5"	5'-10"	5'-6"	4'-11"	4'-6"	4'-2"	3'-11"

CLASS 'B' TENSION LAP SPLICE TABLE

BAR SIZE	fc (psi)							
	2500	3000	3500	4000	5000	6000	7000	8000
#3	1'-1"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
#4	2'-3"	2'-0"	2'-0"	2'-0"	1'-11"	1'-9"	1'-7"	1'-6"
#5	3'-3"	3'-0"	2'-9"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"
#6	3'-11"	3'-7"	3'-4"	3'-1"	2'-10"	2'-7"	2'-4"	2'-3"
#7	5'-2"	5'-0"	4'-10"	4'-8"	4'-1"	3'-8"	3'-5"	3'-3"
#8	6'-0"	6'-0"	5'-6"	5'-3"	4'-8"	4'-3"	3'-11"	3'-8"
#9	7'-4"	6'-9"	6'-3"	5'-10"	5'-2"	4'-9"	4'-5"	4'-2"
#10	8'-3"	7'-6"	6'-11"	6'-6"	5'-9"	5'-3"	4'-11"	4'-7"
#11	9'-2"	8'-3"	7'-7"	7'-1"	6'-4"	5'-10"	5'-5"	5'-0"

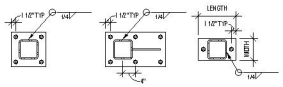
NOTES:
1. THESE TABLES SHOW LENGTHS FOR PLAIN, BOTTOM ASTM A615 GRADE 60 BARS IN NORMAL WEIGHT CONCRETE, MEETING THE SPACING AND COVER LIMITATIONS GIVEN BELOW. MULTIPLY THESE LENGTHS BY ALL OF THE APPLICABLE FACTORS GIVEN FOR OTHER CONDITIONS. SPECIFIC EMBEDMENT, l_d, OR PRO JECTION LENGTHS SHOWN ON DRAWINGS GOVERN OVER THESE TABLES.
2. SPACING AND COVER REQUIREMENTS:
   a. CLEAR SPACING BETWEEN BARS AT SPLICE ≥ $2d_b$ AND CLEAR COVER ≥ d_b OR
   b. CLEAR SPACING BETWEEN BARS AT SPLICE ≥ d_b AND CLEAR COVER ≥ d_b AND STIRRUP TIES OVER FULL LENGTH OF SPLICE. STIRRUP TIES TO BE SPACED SUCH THAT:
      s ≤ d_b FOR #6 TIES/STIRRUPS
      s ≤ $4d_b$ FOR #7 TIES/STIRRUPS
      s ≤ $5d_b$ FOR #8 TIES/STIRRUPS
   d_b = BAR DIAMETER IN INCHES, s = SPACING OF TIES/LET RRUPS, n = NUMBER OF BARS SPLICED AT A GIVEN LOCATION.
3. MULTIPLY GIVEN SPLICE LENGTHS BY ALL THE FOLLOWING APPLICABLE FACTORS:
   a. MULTIPLY BY 1.5 IF SPACING OR COVER REQUIREMENTS ARE NOT MET.
   b. MULTIPLY BY 1.3 FOR TOP BARS; TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR.
   c. MULTIPLY BY 1.2 FOR #6 OR #8 EPOXY COATED BARS SPACED 4" MIN OC WITH 3 1/2" MIN CLEAR COVER.
   d. MULTIPLY BY 1.3 FOR OTHER EPOXY COATED TOP BARS.
   e. MULTIPLY BY 1.5 FOR OTHER EPOXY COATED BARS - EXCEPT TOP BARS.
   f. MULTIPLY BY 1.3 FOR LIGHTWEIGHT CONCRETE.
   g. MULTIPLY BY 5/60 FOR BARS WITH YIELD STRESS >60 KSI.
4. USE CLASS 'B' TENSION LAP SPLICES UNLESS SPECIFICALLY NOTED OTHERWISE.
5. COMPRESSION LAP LENGTH, ONLY WHERE NOTED, TO BE 30d_b INCREASE TO 44d_b FOR Fy = 75 KSI, AND 57d_b FOR Fy = 90KSI.

STEEL COLUMN SCHEDULE

MARK	SIZE	BASE PLATE
SC1	HSS6x6x1/4	PL10x10x1"(1" SEE DETAIL 'A'
SC2	HSS8x8x1/4	PL24x14x1-1/4" W/4-3/4"Ø ANCHOR RODS, SEE DETAIL 'B' AND SC2.101
SC3	HSS8x8x1/4	PL1 0x6 1/2"x9"-11"W/2-3/4"Ø ANCHOR RODS, SEE DETAIL 'C'

UNLESS NOTED OTHERWISE:
1. PROVIDE 4-3/4"Ø UNEMBEDED ANCHOR RODS WITH HEX NUT AT EMBED END, SEE 17/S3.001. EXTEND 9"MIN TO CONCRETE TO TOP OF NUT.
2. PROVIDE 1 1/2"ADJUSTING GROUT BELOW BASE PLATE.
3. PROVIDE 2"x4"THICK WASHER AND NUT ON TOP SIDE OF BASE PLATE. CIRCULAR OR SQUARE WASHERS ARE ACCEPTABLE.
4. USE 1/2" COLUMN CAP PLATE AT TOP.

BASE PLATE DETAILS



CONCRETE PIER SCHEDULE

MARK	SIZE	REINFORCING	REMARKS
CP1	1'Ø x6''	4-#5 W/ MITES @12"	SEE DETAIL 'B'
CP2	2'Ø x6''	8-#5 W/ MITES @12"	

UNLESS NOTED OTHERWISE:
1. PROVIDE PIER TYPE CP1 FOR BEAM BEARINGS AND OPENING JAMBS WHERE PIER IS NOT SHOWN. CONFIRM WITH ENGINEER PRIOR TO PLACEMENT.
2. PROVIDE HOOKED DOWELS INTO FOOTING TO MATCH VERTICAL REINFORCING. PROJECT INTO PIER PER CLASS B TENSION LAP SPLICE TABLE. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
3. PROVIDE CROSSTIES AS SHOWN WITH 90° HOOK ONE END AND 135° HOOK OTHER END. SIZE TO MATCH TIES. ALTERNATE TIE CONFIGURATIONS MEETING ACI 318, SECTION 25.7.2.3 ARE ACCEPTABLE.
4. PROVIDE FIRST TIE MAXIMUM OF ONE-HALF TIE SPACING ABOVE TOP OF FOOTING.
5. EXTEND TIES TO WITHIN ONE-HALF TIE SPACING OF TOP OF PIER. PROVIDE MINIMUM OF 2@4 OR 3@3 TIES WITHIN 3'-0" TOP OF PIER.
6. EXTEND VERTICAL REINFORCEMENT TO 2" CLEAR TOP OF PIER.

CONCRETE PIER BAR PLACEMENT DETAILS

COLUMN FOOTING SCHEDULE

MARK	FOOTING SIZE			REINFORCING
	WIDTH	LENGTH	THICKNESS	
CF3-0	3'-0"	3'-0"	1'-0"	3-#4 EW @ BOT
CF5-0	5'-0"	5'-0"	1'-0"	4-#4 EW @ BOT
CF5-6A	5'-0"	5'-0"	1'-6"	#3@12" EW, TOP & BOT
CF5-6B	5'-0"	5'-0"	1'-6"	#3@12" EW, TOP & BOT

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BKBM Job No. 2225.020

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Matthew J. Ricker
License Number: 43682 Date: 10/26/2022

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/26/2022
Drawn: MAP
Check: LEP, DML

SCHEDULES AND DETAILS

S4.001

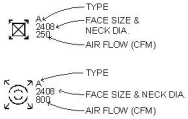
MECHANICAL SYMBOLS

- PRESSURE GAGE
- AIR VENT
- STRAINER
- PIPING GUIDE
- PIPING ANCHOR
- EXPANSION JOINT
- FLEXIBLE CONNECTION
- DIRECTION OF FLOW
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- STEAM TRAP ASSEMBLY
- ELBOW DOWN
- ELBOW UP
- TEE CONNECTION DOWN
- TEE CONNECTION UP
- PIPING CONNECTION
- CAPPED PIPE
- FINNED TUBE RADIATION
- FLOOR DRAIN
- SHOCK ABSORBER
- SUPPLY DUCT ELBOW DOWN
- SUPPLY DUCT ELBOW UP
- RETURN/EXHAUST ELBOW DOWN
- RETURN/EXHAUST ELBOW UP
- OUTSIDE AIR ELBOW DOWN
- OUTSIDE AIR ELBOW UP
- SUPPLY AIR FLOW
- RETURN AIR FLOW
- F FIRE DAMPER
- F/S FIRE/SMOKE DAMPER
- S SMOKE DAMPER
- R RADIATION DAMPER
- MANUAL VOLUME DAMPER
- CONNECT TO EXISTING

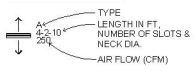
- TWO WAY TEMPERATURE CONTROL VALVE
- THREE WAY TEMPERATURE CONTROL VALVE
- UNION
- THERMOMETER
- SHUTOFF VALVE
- CHECK VALVE
- PRESSURE OR PRESSURE/ TEMPERATURE RELIEF VALVE
- ANGLE VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- WALL HYDRANT
- HOSE BIBB
- LUBRICATED PLUG GAS COCK
- BALANCING VALVE
- RPZ VALVE
- BACKFLOW PREVENTOR
- FLOOR CLEANOUT
- CLEANOUT
- DUCT SMOKE DETECTOR
- MOTORIZED O.B. DAMPER
- ACCESS PANEL
- ELBOW W/ TURNING VANES
- LONG RADIUS DUCT ELBOW
- SUPPLY AIR DIFFUSER
- RETURN/EXHAUST AIR REGISTER/GRILLE
- SUPPLY AIR REGISTER
- SUPPLY DIFFUSER TAKE-OFF W/ VOLUME DAMPER, MAXIMUM FLEX DUCT LENGTH 5'-0"
- THERMOSTAT

AIR DEVICE TAGS:

SUPPLY DIFFUSER

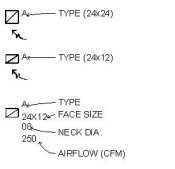


LINEAR SUPPLY DIFFUSER



SUPPLY REGISTER OR GRILLE

RETURN GRILLE



EXHAUST, TRANSFER & RETURN REGISTERS & GRILLES

MECHANICAL LINETYPES

——S——	DOMESTIC SOFT COLD WATER PIPING
—— – ——	DOMESTIC COLD WATER PIPING
—— — — ——	DOMESTIC HOT WATER PIPING
—— — — — ——	DOMESTIC CIRCULATING HOT WATER PIPING
- - - - - - - - -	VENT PIPING
——	SANITARY WASTE ABOVE GROUND PIPING
——SS——	SANITARY WASTE BELOW GROUND PIPING
——SD——	STORM DRAIN ABOVE GROUND PIPING
——SD——	STORM DRAIN BELOW GROUND PIPING
——CD——	CONDENSATE DRAIN PIPING
——NG——	NATURAL GAS PIPING
——FP——	FIRE PROTECTION PIPING
——HWS——	BUILDING HEATING WATER SUPPLY PIPING
——HWR——	BUILDING HEATING WATER RETURN PIPING
——LIQ——	DX REFRIGERATION SYSTEM LIQUID PIPING
——SUC——	DX REFRIGERATION SYSTEM SUCTION PIPING
——HG——	DX REFRIGERATION SYSTEM HOT GAS PIPING
——IS——	INTERIOR HYDRONIC SUPPLY PIPING

MECHANICAL ABBREVIATIONS

AD	AREA DRAIN	GR	GRILLE
AFF	ABOVE FINISHED FLOOR	HB	HOSE BIBB
AHAP	AS HIGH AS POSSIBLE	HCW	HARD COLD WATER
BFF	BELOW FINISHED FLOOR	HP	HORSE POWER
BLDG	BUILDING	HW	HOT WATER
BSMT	BASEMENT	INV	INVERT
BTWN	BETWEEN	KW	KILOWATT
CB	CATCH BASIN	LAT	LEAVING AIR TEMPERATURE
CFM	CUBIC FEET/MINUTE	LWT	LEAVING WATER TEMPERATURE
CHW	CIRCULATING HOT WATER	MAX	MAXIMUM
CLG	CEILING	MBH	1000 BTU
CO	CLEANOUT	MECH	MECHANICAL
CONCR	CONCRETE	MH	MANHOLE
CONTR	CONTRACTOR	MIN	MINIMUM
CW	COLD WATER	NTS	NOT TO SCALE
DB	DRY BULB	OA	OUTSIDE AIR
DEG	DEGREE	OBD	OPPOSED BLADE DAMPER
DIA	DIAMETER	ORD	OVERFLOW ROOF DRAIN
DIFF	DIFFUSER	P-#	PLUMBING FIXTURE NUMBER
EAT	ENTERING AIR TEMPERATURE	P & T	PRESSURE AND THERMOSTATIC
EDR	SQUARE FEET RADIATION	PD	PRESSURE DROP
EFF	EFFICIENCY	PLBG	PLUMBING
EL	ELBOW	QUAN	QUANTITY
ELEC	ELECTRICAL	RA	RETURN AIR
ELEV	ELEVATION	RD	ROOF DRAIN
EWT	ENTERING WATER TEMPERATURE	REG	REGISTER
EXH	EXHAUST	REQ'D	REQUIRED
EXIST	EXISTING	RPM	REVOLUTIONS/MINUTE
F	DEGREES FAHRENHEIT	SA	SUPPLY AIR
F & T	FLOAT AND THERMOSTATIC	SCW	SOFT COLD WATER
FD	FLOOR DRAIN	SHT	SHEET
FH	FIRE HYDRANT	SP	STATIC PRESSURE
FLA	FULL LOAD AMPS	TD	TEMPERATURE DIFFERENCE
FLR	FLOOR	VTR	VENT THROUGH ROOF
FTR	FINNED TUBE RADIATION	W/	WITH
GEN	GENERAL	WB	WET BULB
GPM	GALLONS/MINUTE	WH	WALL HYDRANT

MECHANICAL SHEET LIST

M0.0	MECHANICAL TITLE SHEET
M1.0	PLUMBING PLAN
M2.0	HYDRONIC PLAN
M3.0	HVAC PLAN
M4.0	MECHANICAL ROOF PLAN
M5.0	FIRE SUPPRESSION PLAN
M6.0	SCHEMATICS AND DETAILS
M6.1	SCHEMATICS AND DETAILS
M6.2	SCHEMATICS AND DETAILS
M6.3	SCHEMATICS AND DETAILS
M6.4	SCHEDULES

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MECHANICAL TITLE SHEET

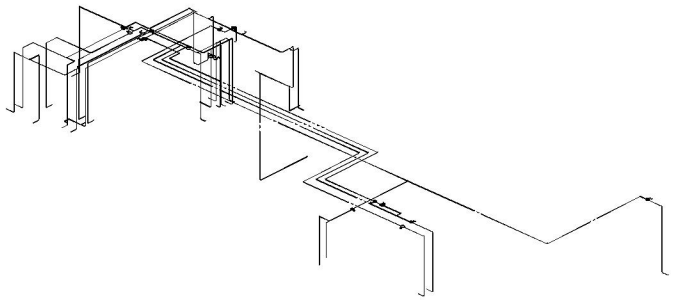
Scale: 1/8" = 1'-0"

M0.0

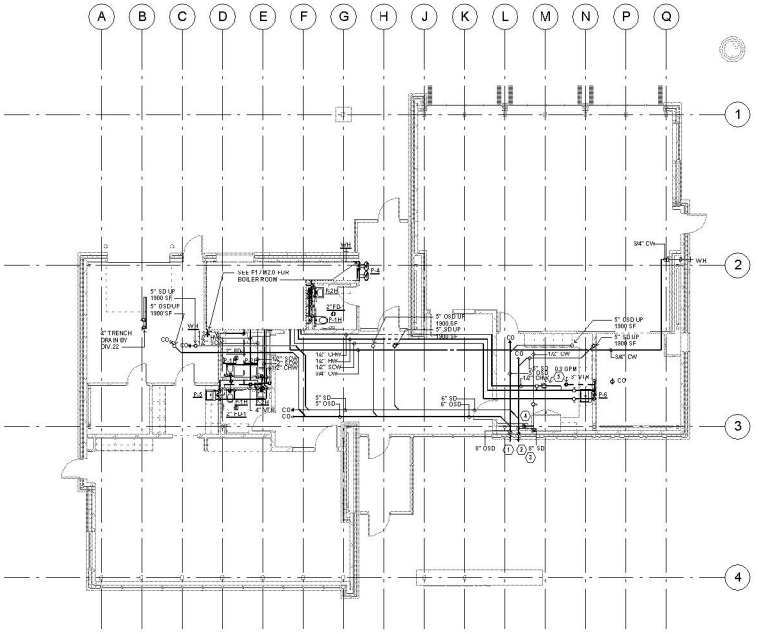
CD OWNER REVIEW SET

MN

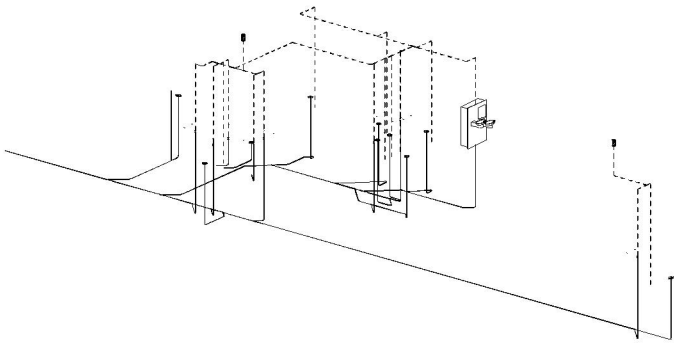
M



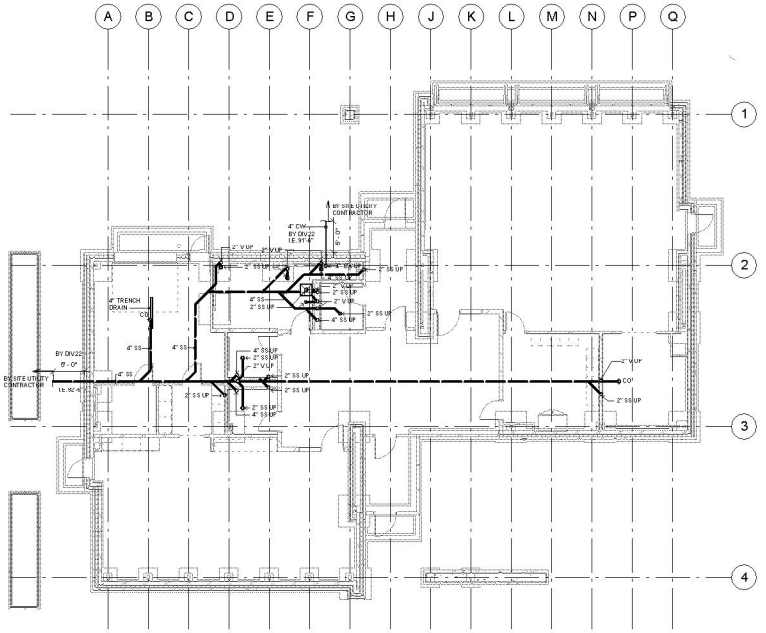
C1 Supply Riser Diagram



C4 PLUMBING PLAN - MAIN LEVEL
1/8" = 1'-0"



F1 Waste and Vent Riser Diagram



F5 PLUMBING PLAN - UNDERGROUND
1/8" = 1'-0"

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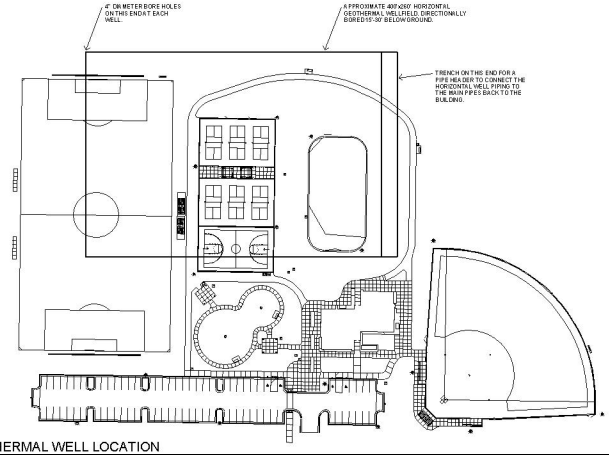
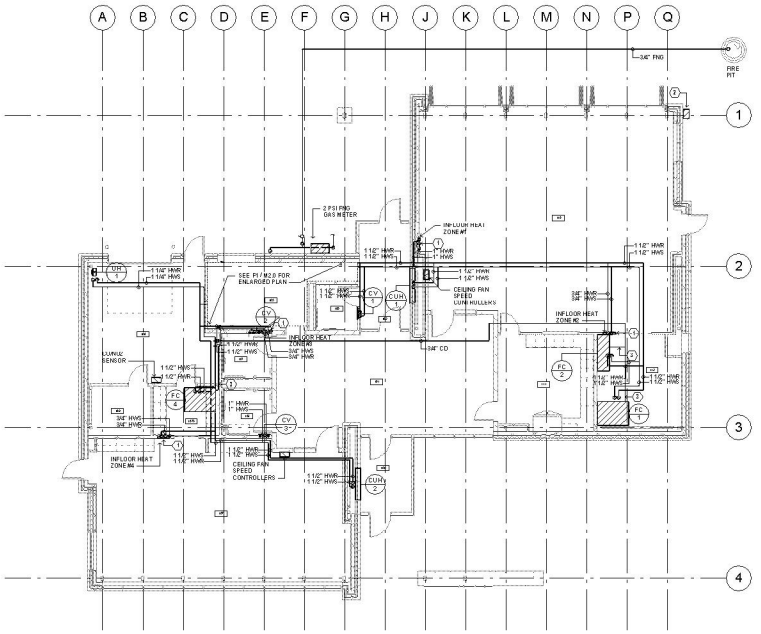
PLUMBING PLAN

Scale: 1/8" = 1'-0"

M1.0



C1 GEOTHERMAL WELL LOCATION
3/200" = 1'-0"



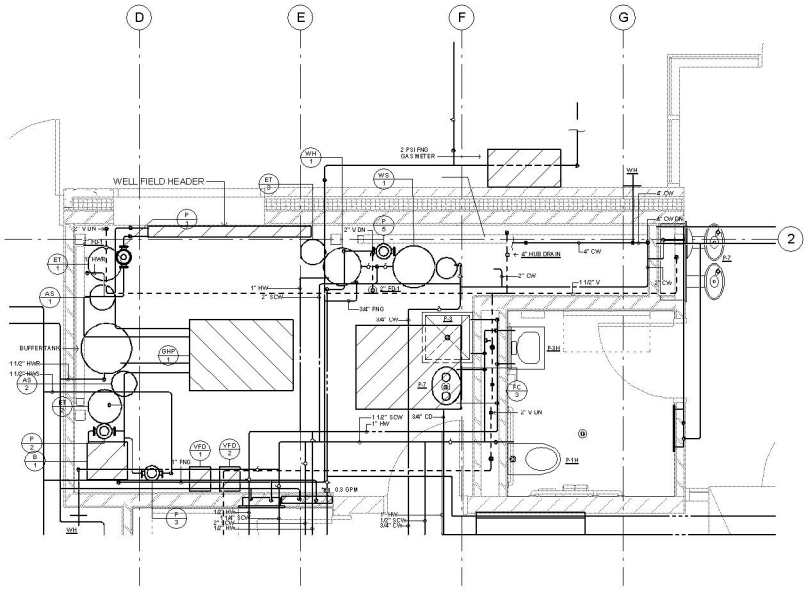
C5 HYDRONIC PIPING PLAN
1/8" = 1'-0"

HYDRONIC PLAN GENERAL NOTES:

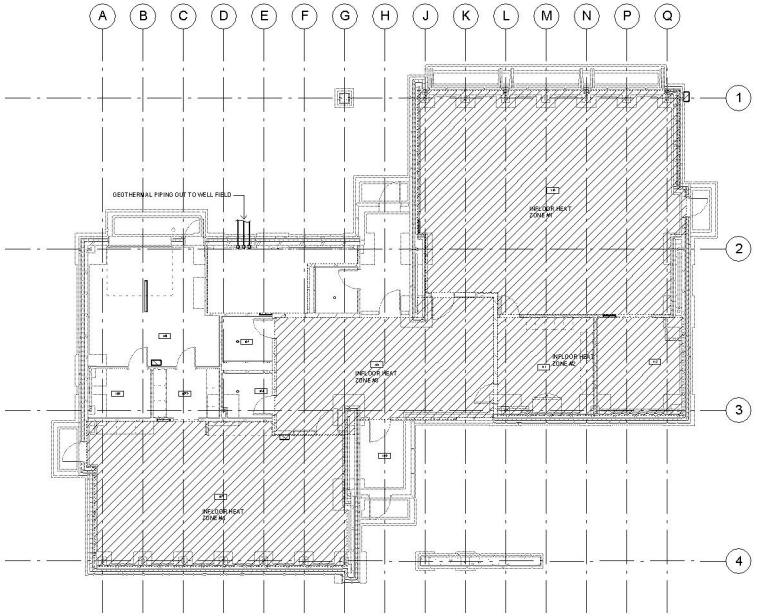
1. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
4. LUXURIA 2 IS INTERMITTENT SCHEDULE LUXURIA WITH OTHER TRADES. BUILDING ELEMENTS, MARKER BOARDS, AND ELECTRICAL SWITCHES. ADJUST THE EXACT LOCATIONS AS REQUIRED TO AVOID CONFLICTS.
5. BRANCH PIPING TO EQUIPMENT TO BE 3/4" UNLESS OTHERWISE NOTED.
6. ROUTE PIPES BETWEEN JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS.

HYDRONIC PLAN KEYED NOTES:

1. INFLOOR HEATING MANIFOLD AND CABINET.
2. PROVIDE EMERGENCY SHUTOFF SWITCH FOR SOLENOID VALVE IN GAS LINE TO FIRE PIT.
3. PROVIDE 3/4" CONDENSATE DRAIN FROM FC. ROUTE TO ROOF DRAIN AND TERMINATE 6 INCHES ABOVE SPILL LINE.



F1 ENLARGED MECHANICAL ROOM
1/2" = 1'-0"



F5 HYDRONIC PIPING PLAN - INFLOOR HEATING PLAN
1/8" = 1'-0"

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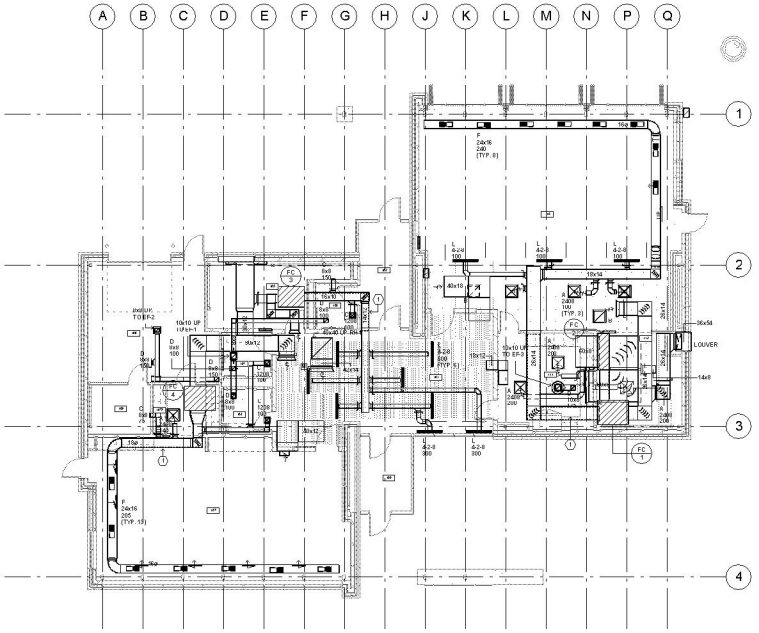
HYDRONIC PLAN

Scale: As indicated

M2.0



E4 HVAC PLAN
1/8" = 1'-0"

HVAC PLAN GENERAL NOTES:

1. TRANSFER DUCTS AND DUCTS CONNECTED TO TRANSFER PANE SHALL HAVE 1" INTERNAL SOUND ATTENUATING LINER
2. DO NOT INSTALL FLEXIBLE DUCT CONNECTIONS ABOVE INACCESSIBLE CEILINGS.
3. DIFFUSER DUCT RUNOUTS AND FLEXIBLE DUCT CONNECTIONS SHALL BE THE SAME SIZE AS THE DIFFUSER NECK.
4. LOCATE BALANCING DAMPERS ABOVE ACCESSIBLE CEILINGS WHERE POSSIBLE.
5. COORDINATE LOCATIONS OF ANY ACCESS PANELS REQUIRED IN WALLS OR CEILINGS WITH GENERAL CONTRACTOR.
6. ROUTE DUCTS BETWEEN JOISTS AND THROUGH JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS. AREAS KEYNOTED ARE MINIMUM REQUIRED.
7. DIFFUSER AND REGISTER LOCATIONS SHALL BE COORDINATED WITH LIGHT FIXTURE LOCATIONS AND SHALL BE IN ACCORDANCE WITH CEILING PATTERNS AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
8. ALL RISES AND DROPS IN DUCTWORK ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
9. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE DRAWINGS. DO NOT CUT BEAMS OR LOAD BEARING STRUCTURES WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
10. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND ROUGH CLEARANCES REQUIRED FOR THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

HVAC PLAN KEYED NOTES:

1. PROVIDE DOUBLE WALL DUCTWORK WHERE DUCT IS SHOWN WITH AN INNER DASHED LINE.

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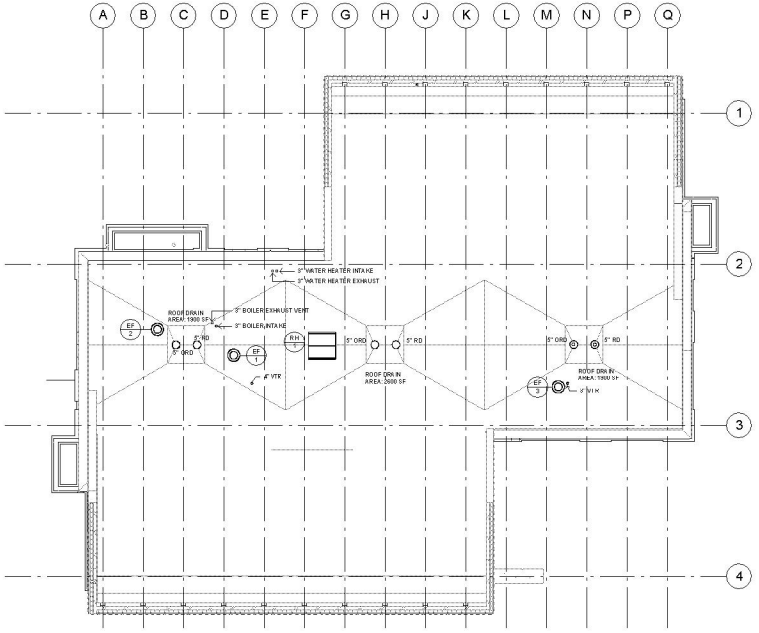
HVAC PLAN

Scale: 1/8" = 1'-0"

M3.0



E4 MECHANICAL ROOF PLAN
1/8" = 1'-0"

ROOF PLAN GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INDICATED.

2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL UNDERMINE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

3. BUILDING EXHAUST AND PLUMBING VENTS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ALL VENTILATION INTAKES.

4. ANY MECHANICAL EQUIPMENT REQUIRING MAINTENANCE SHALL BE LOCATED A MINIMUM 10 FEET FROM ALL ROOF EDGES UNLESS A GUARD RAIL IS PROVIDED.

5. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

ROOF PLAN REVISIONS:

1

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CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

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License Number | Date

Revisions		
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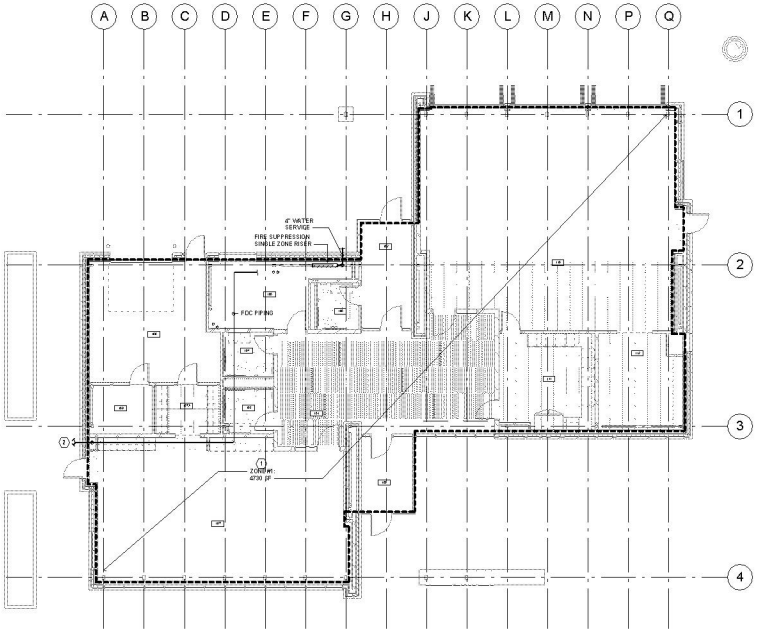
Comm: 222064
Date: 10/24/22
Drawn: AG
Check: JM

North

MECHANICAL ROOF PLAN

Scale: 1/8" = 1'-0"

M4.0



D4 FIRE SUPPRESSION PLAN - MAIN LEVEL
1/8" = 1'-0"

FIRE PROTECTION PLAN GENERAL NOTES:

1. NO PIPING SHALL BE SUPPORTED FROM JOIST BRIDGING OR OTHER PIPING, DUCTWORK, OR CONDUIT.

2. ALL PIPING SHALL BE SUPPORTED FROM TOP CORDS OF JOISTS OR FROM CONCRETE DECKING BY APPROVED MEANS.

3. FIRE PROTECTION CONTRACTOR IS REQUIRED TO PROVIDE SLEEVES FOR ALL PIPING PENETRATIONS OF FIRE RESISTOR OR SMOKE TIGHT WALLS AND FLOOR OPENINGS. SEAL ALL PIPE PENETRATION OPENINGS AND FIRE CAULK ALL SLEEVE LOCATIONS AS REQUIRED TO MAINTAIN RATING. REFER TO ARCHITECTURAL CODE PLAN FOR RATING LOCATIONS.

4. ALL SPRINKLER PIPING WITH LAY-IN ACOUSTIC OR GYPSUM BOARD CEILINGS SHALL BE ROUTED ABOVE THE CEILING.

5. DO NOT RUN SPRINKLER PIPE NEAR INTAKE LOUVER OR FRESH AIR INTAKES.

6. PROVIDE AN INSPECTORS TEST AT REMOTE POINT FOR EACH ZONE. ROUTE TEST AND DRAIN PIPES TO GRADE. PIPES ROUTED TO GRADE SHALL TERMINATE WITH A BRASS DRAIN FITTING. EXPOSED GALVANIZED PIPE IS NOT ACCEPTABLE.

7. FIRE PROTECTION CONTRACTOR TO CONDUCT A FLOW TEST AT HYDRANT NEAREST BUILDING AND RECORD WATER MAIN SIZE, STATIC AND RESIDUAL PRESSURES, AND G.P.M. FLOW. CONTACT AND COORDINATE FLOW TIME WITH CITY WATER DEPARTMENT. SEE SPEC SECTION 21 10 00, PARAGRAPH 1.04.

8. HEADS SHALL BE LOCATED WITHIN 2" OF CENTER ON MAXIMUM UNIFORM SPACING ON 2'x4' GRID AND 1'-0" WITHIN 2" OF CENTER OF 2'x2' CEILING TILES.

9. PROVIDE SPRINKLER HEADS BELOW ALL DUCTWORK THAT CREATES AN OBSTRUCTION TO SPRAY PATTERN AND ALL DUCTWORK GREATER THAN 48" WIDE.

10. FURNISH AND INSTALL PERMANENT PLASTIC LAMINATED SIGNS TO IDENTIFY EACH SPRINKLER VALVE, THE AREA IT CONTROLS, AND HYDRAULIC DESIGN DATA.

11. FURNISH AND INSTALL PERMANENT PLASTIC LAMINATE SIGN TO IDENTIFY INSPECTOR TEST CONNECTIONS AND THE ZONE IT SERVES.

12. THE INSTALLATION OF THE FIRE PROTECTION SYSTEM SHALL CONFORM TO I.S.O. & AND N.F.P.A. REQUIREMENTS.

13. COORDINATE ALL FIRE PROTECTION PIPING WITH OTHER TRADES. COORDINATION SHALL BE THE RESPONSIBILITY OF THE PREFERRED SUCTION CONTRACTOR.

14. ALL AREAS SHALL BE LIGHT HAZARD EXCEPT AS FOLLOWS. REFER TO ARCHITECTURAL FLOOR PLANS FOR ROOM TYPES.
ORDINARY GROUP I
MECHANICAL ROOMS

ORDINARY GROUP II
KITCHEN AND SERVING AREA
STORAGE ROOMS
BOILER ROOM

15. ELECTRICAL ROOMS (ALL VOLTAGES) TO BE SPRINKLERED AND BE PROVIDED WITH SHIELDING.

16. ALL SPRINKLER HEADS INSTALLED 7'-0" OR LESS SHALL HAVE HEAVY DUTY PROTECTIVE GUARDS.

17. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

FIRE PROTECTION PLAN KEYED NOTES:

1. PROVIDE NEW ZONE PIPING AND WET-TYPE FIRE SUPPRESSION SPRINKLER SYSTEM IN ACCORDANCE WITH ALL NFPA, STATE, AND LOCAL CODES.

2. PROVIDE FIRE DEPARTMENT CONNECTION. COORDINATE EXACT LOCATION WITH THE FIRE MARSHAL.

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FIRE SUPPRESSION PLAN

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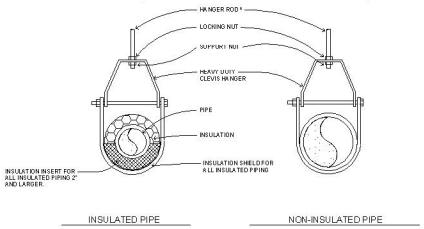
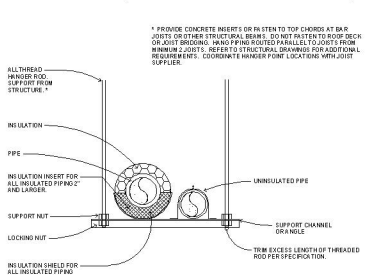
M5.0



B13 CLEVIS PIPE HANGER DETAIL
NOT TO SCALE



B3 TRAPEZE PIPE HANGER DETAIL
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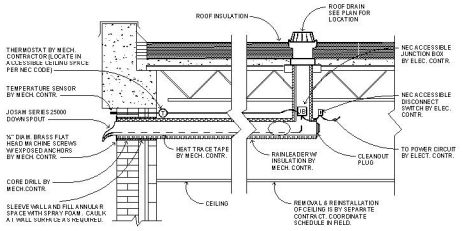

B5 RAINWATER LEADER NOZZLE OUTLET W/HEAT TRACE DETAIL
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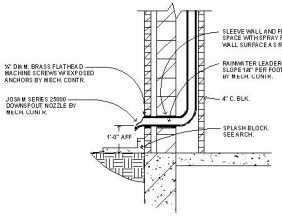

B7 RAINWATER LEADER NOZZLE OUTLET DETAIL
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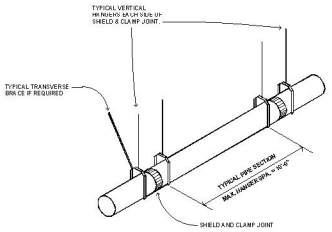

C1 HUBLESS PIPE INSTALLATION DETAIL
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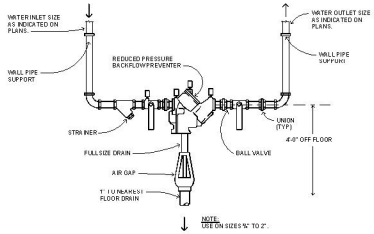

C3 REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
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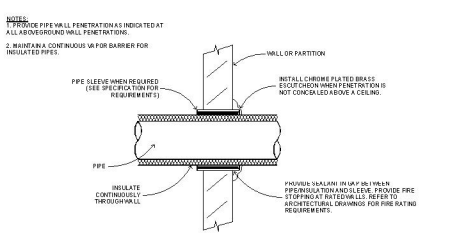

C5 PIPE WALL PENETRATION DETAIL
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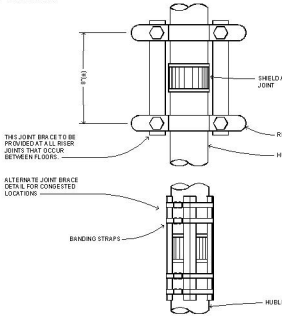

C7 HUBLESS PIPE RISER DETAIL
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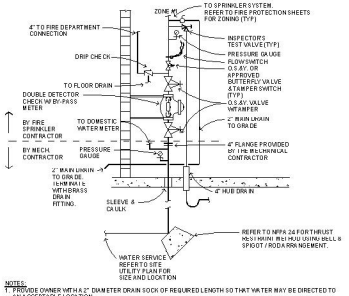

E1 SINGLE ZONE VERTICAL FIRE PROTECTION SERVICE DETAIL
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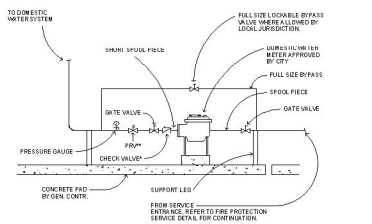

E3 DOMESTIC WATER METER PIPING DETAIL
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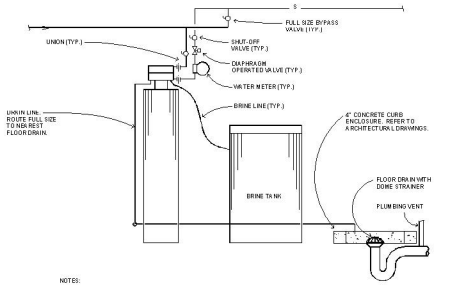

E5 WATER SOFTENER DETAIL
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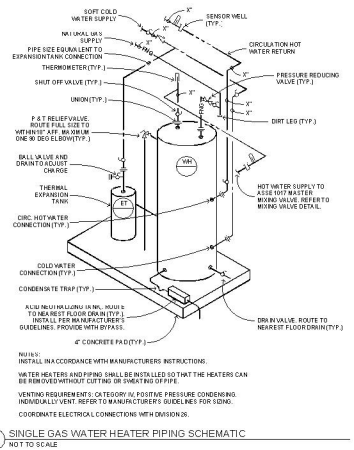

E7 SINGLE GAS WATER HEATER PIPING SCHEMATIC
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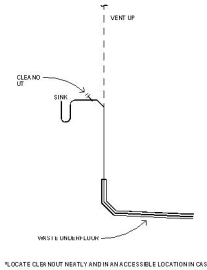
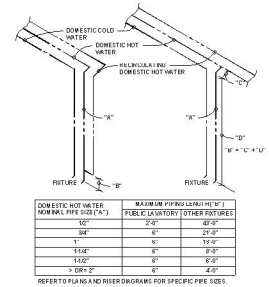


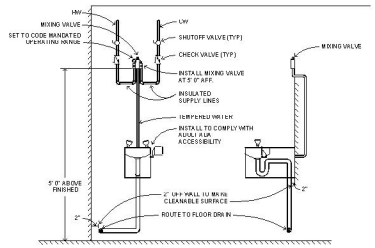
F1 UPPER TERMINAL PLUMBING FIXTURE CLEANOUT
NOT TO SCALE



DOMESTIC HOT WATER NOMINAL PIPE SIZE ("A")	MAXIMUM PIPING LENGTH ("E")	
	PUBLIC LAVATORY	OTHER FIXTURES
1/2"	2'-0"	42'-0"
3/4"	6"	21'-0"
1"	5"	13'-0"
1-1/4"	6"	8'-0"
1-1/2"	6"	6'-0"
> OR = 2"	6"	4'-0"

REFER TO PLANS AND RISER DIAGRAMS FOR SPECIFIC PIPE SIZES.

F3 DOMESTIC CIRCULATING HOT WATER SCHEMATIC
NOT TO SCALE



F5 EMERGENCY EYEWASH DETAIL
NOT TO SCALE

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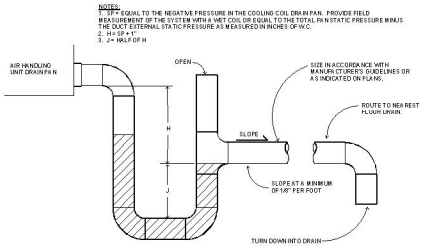

B3 DRAW-THRU CONDENSATE DRAIN
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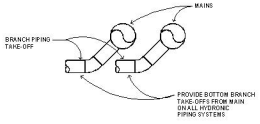

B5 HYDRONIC BRANCH PIPING TAKE-OFF DETAIL
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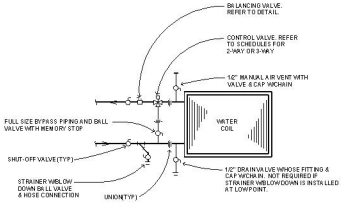

B7 WATER COIL TYPE B PIPING
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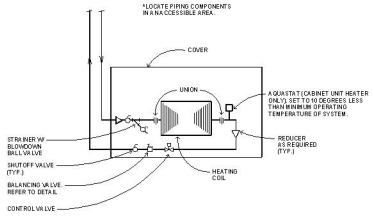

C1 CABINET UNIT HEATER OR CONVECTOR DETAIL
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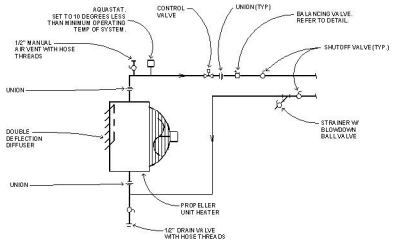

C3 PROPELLER UNIT HEATER PIPING DETAIL
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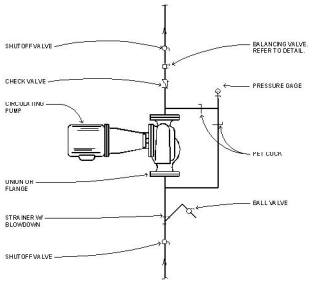

C5 INLINE CIRCULATING PUMP DETAIL
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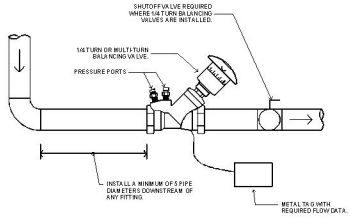
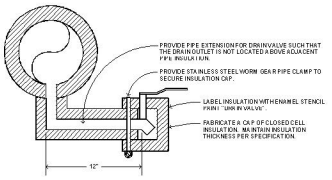


NOTES:
1. MULTI-TURN BALANCING VALVES MAY BE USED AS A SHUTOFF VALVE.
2. INSTALL IN ACCESSIBLE LOCATION FOR BALANCER. CONNECTING POINT OF PRESSURE PORTS SHALL BE ABOVE THE TOP OF THE PIPE FOR BALANCING VALVES INSTALLED IN HORIZONTAL PIPING.

C7 BALANCING VALVE DETAIL
1/8" = 1'-0"



D1 TYPICAL DRAIN VALVE DETAIL
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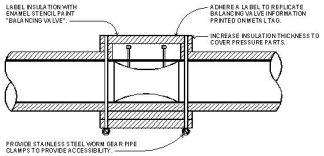

D3 TYPICAL FLOW FITTING DETAIL
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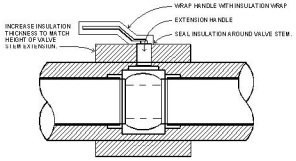

D5 TYPICAL VALVE DETAIL
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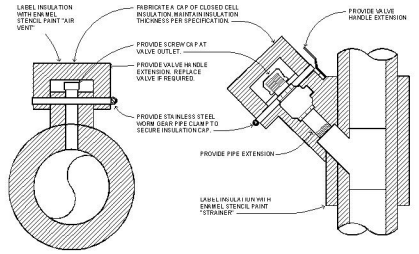

D7 TYPICAL AIR VENT & STRAINER DETAIL
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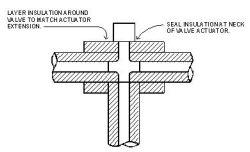

E1 TYPICAL CONTROL VALVE DETAIL
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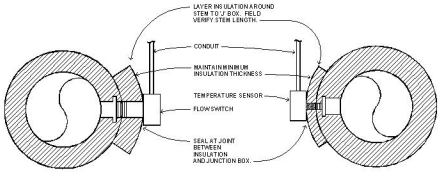

E3 TYPICAL FLOW SWITCH & TEMP. SENSOR DETAIL
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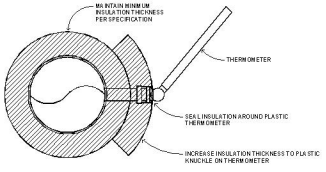

E5 TYPICAL THERMOMETER DETAIL
NOT TO SCALE

MN

M

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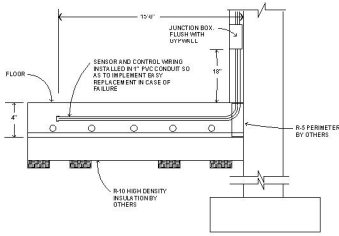

C2a RADIANT FLOOR SENSOR INSTALLATION DETAIL
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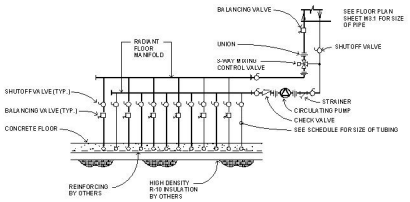

D2 TYPICAL RADIANT FLOOR MANIFOLD DETAIL
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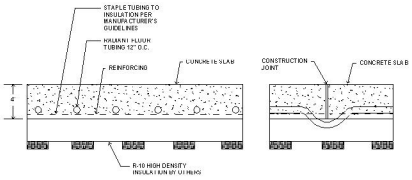

E2 RADIANT FLOOR SLAB DETAIL
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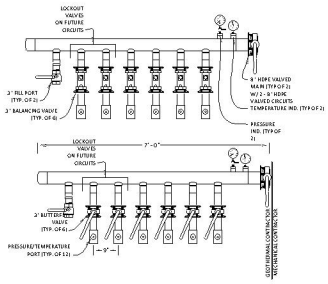

F2 GEOTHERMAL MANIFOLD DETAIL
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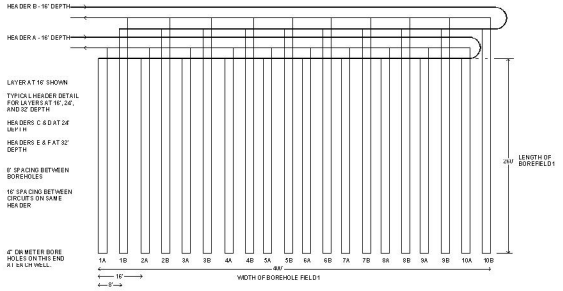
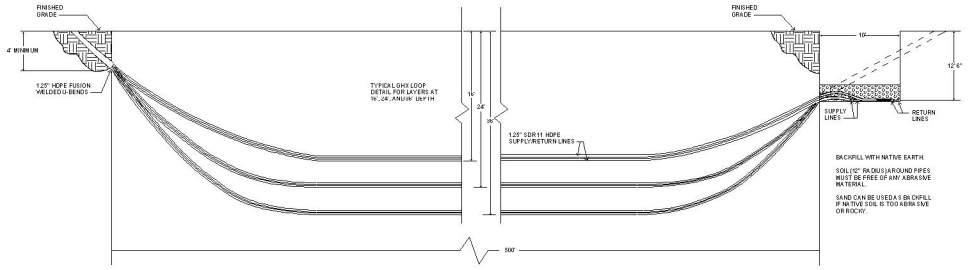


C4 GEOTHERMAL HORIZONTAL LAYER DETAIL
NOT TO SCALE



D4 GEOTHERMAL CROSS-SECTION DETAIL
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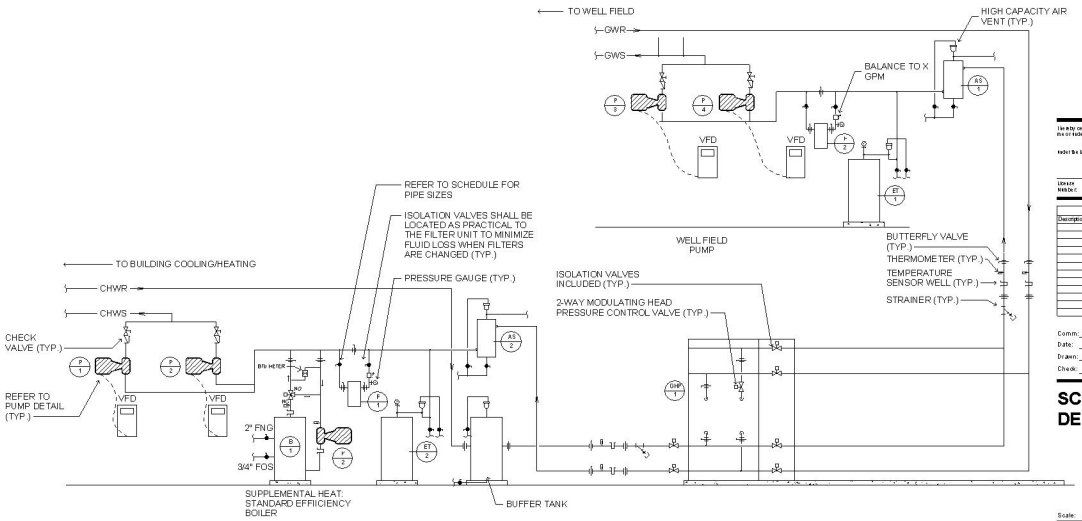


F4 GEOTHERMAL PLANT SCHEMATIC
NOT TO SCALE

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
333 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

License Number Date

Revisions		
Description	Date	Num

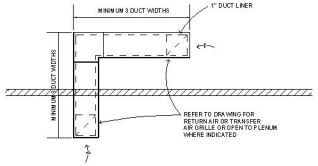
Comm: 222064
Date: 10/24/22
Drawn: AG
Check: PJ

SCHEMATICS AND DETAILS

Scale: As indicated

M6.2

CD OWNER REVIEW SET



B1 TRANSFER AIR DUCT
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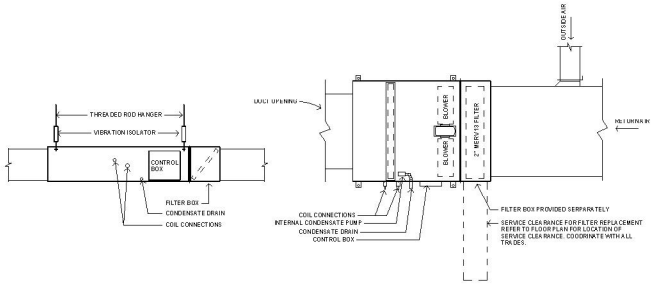
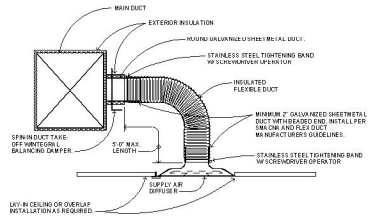


B3 FAN COIL DETAIL
NOT TO SCALE



B7 FLEXIBLE DUCT CONNECTION DETAIL
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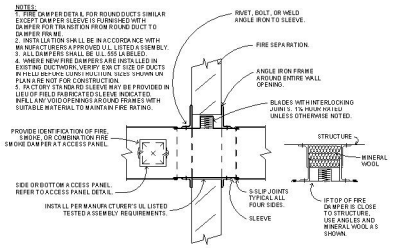

C1 FIRE DAMPER AT WALL DETAIL
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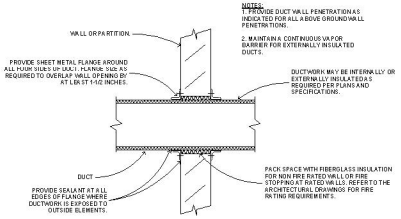
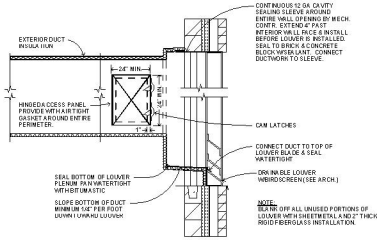


C3 DUCT WALL PENETRATION DETAIL
NOT TO SCALE



C5 LOUVER INSTALLATION DETAIL
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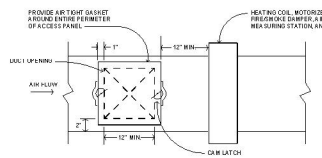
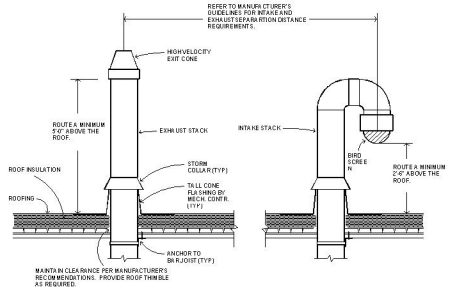


C7 ACCESS PANEL DETAIL
NOT TO SCALE



E1 HIGH EFFICIENCY BOILER EXHAUST/INTAKE VENT DETAIL
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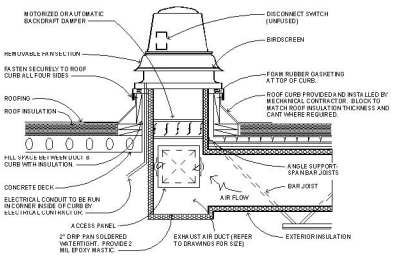
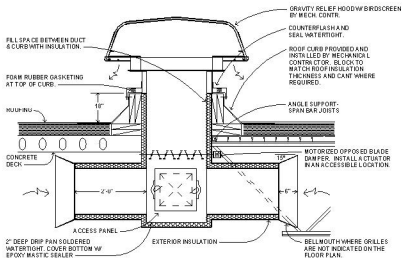
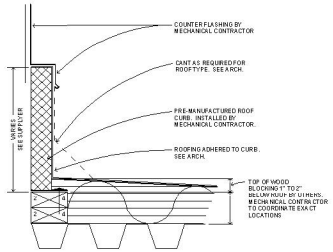


E3 TYPICAL P.R.V. EXHAUST FAN DETAIL
NOT TO SCALE



E6 GRAVITY RELIEF HOOD DETAIL
NOT TO SCALE



E7 MANUFACTURED CURB DETAIL
NOT TO SCALE

GLACIAL VALLEY PARK BUILDING
9900 RAVINE PKWY S COTTAGE GROVE, MN 55016

222064

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

License Number Date

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/24/22
Drawn: Author
Check: Checker

SCHEMATICS AND DETAILS

Scale: 1/8" = 1'-0"

M6.3

CD OWNER REVIEW SET

MN

M

BOILER SCHEDULE

UNIT NO.	MANUFACTURER	MODEL NUMBER	NOMINAL HP	TYPE	FUEL	FIRING RATE MBH/GPH	GROSS OUTPUT MBH	BLOWER MOTOR HP	OIL PUMP MOTOR HP	VOLTS	PHASE	REMARKS
B-1	LOCHINVAR	KHB0250		FIRE TUBE-COND.	NG	285	266			120	1	1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

EXHAUST FAN AND TRANSFER FAN SCHEDULE

UNIT NO.	SERVES	LOCATION	MANUFACTURER	MODEL NO.	TYPE	CFM	TOTAL S.P. W.C.	DRIVE	EC MOTOR	RPM	HP	VOLTS/ PHASE	MAKE-UP AIR SOURCE	MOTORIZED DAMPER	CONTROL				REMARKS
															WALL TIMER OF DAY	WALL SWITCH PUSHBUTTON	WALL SWITCH W/ OCCUPANCY SENSOR	OTHER - REFER TO SPECIFICATION	
EF-1	103, 104, 105 - TOILET ROOMS	ROOF	COOK		PBV	300	0.5	DIRECT	NO		1/4			NO	YES	NO	NO	NO	NO	
EF-2	108 - PARKS STORAGE	ROOF	COOK		PBV	300	0.5	DIRECT	NO		1/4			YES	NO	NO	NO	NO	YES	
ETF-1	111 - KITCHENETTE/SERVING	HOUP	COOK		PBV	175	0.375	DIRECT	NO		1/4			NO	NO	YES	NO	NO	NO	

NOTES:
1. 120/1 VOLT FANS SHALL BE PROVIDED WITH A FACTORY MOUNTED DISCONNECT SWITCH.
2. 120/1 VOLT FANS THAT ARE NOT PROVIDED WITH SPEED ADJUSTABLE EC MOTORS SHALL HAVE A FACTORY MOUNTED SPEED SWITCH IN MOTOR COMPARTMENT FOR BALANCING.
3. PROVIDE WITH A GRAVITY BACK DRAFT DAMPER UNLESS A MOTORIZED DAMPER IS INDICATED TO BE PROVIDED.
4. WHERE MOTORIZED DAMPERS ARE INDICATED, THE DAMPERS AND ACTUATORS SHALL BE PROVIDED BY THE BAS CONTRACTOR AND INSTALLED BY DIV 23 CONTRACTOR.
5. PROVIDE WITH VARIABLE SPEED DRIVE, INSTALLED BY DIV 26. COORDINATE INSTALLATION/LOCATION.
6. INLINE FANS SHALL BE PROVIDED HANGER TYPE VIBRATION ISOLATORS.

DOMESTIC WATER HEATER SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS OR ELEC)	MBH INPUT	STORAGE CAP. (GALLONS)	GPH RECOVERY @ 90° RISE	WATER TEMP.	VENT SIZE	VOLTS	PHASE	MOTOR HP	REMARKS
WH-1	LAVS AND KITCHENETTES	A.O. SMITH	BTH 120	GAS	35.5	30	36	110°	4	120	1		1,2,3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH A SMI RATED PRESSURE/TEMPERATURE RELIEF VALVE.
3. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.

FAN SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	STYLE	CFM	DIAMETER IN.	WATTS	VOLTS	PH	REMARKS
CF-1	110 - MULTIPURPOSE	MINNAIRE	FS24-CL	CEILING MOUNTED	1110	52	22	120	1	1,2
CF-2	110 - MULTIPURPOSE	MINNAIRE	FS24-CL	CEILING MOUNTED	1110	52	22	120	1	1,2
CF-3	107 - CLASSROOM/PROGRAMS	MINNAIRE	FS24-CL	CEILING MOUNTED	1350	52	22	120	1	1,2
CF-4	107 - CLASSROOM/PROGRAMS	MINNAIRE	FS24-CL	CEILING MOUNTED	1350	52	22	120	1	1,2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH REMOTE CONTROL FOR WALL MOUNTING.

UNIT HEATER/CABINET UNIT HEATER SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE (GAS, HW OR ELEC)	CABINET	CFM	RPM	HP	VOLTS	PHASE	MBH	GPM	REMARKS
UH-1	108 - PARKS STORAGE	ZHENDER-RITTLING	RH-108	HW		1550					100		
UH-2													
CUH-1	102 - NORTH VESTIBULE	ZHENDER-RITTLING	KHWH6	HW		250					65		
CUH-2	109 - SOUTH VESTIBULE	ZHENDER-RITTLING	KFRH6	HW		350					65		

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. UNIT S ARE SELECTED WITH 180 DEGREE ENTERING WATER AND 160 DEGREE LEAVING WATER WITH A 60 DEGREE ENTERING AIR TEMPERATURE.
3. UNITS SHALL BE VERTICAL WALL MOUNTED WITH BOTTOM INLET AND TOP OUTLET.
4. SEMI RECESSED WITH 2 1/2" EXPOSED CABINET.

GEOTHERMAL HEAT PUMP SCHEDULE

UNIT NO.	SERVES	MANUF.	MODEL NO.	COMPRESSOR TYPE	REFRIGERANT TYPE	NUMBER OF MODULES	NOMINAL MODULE TONS	PIPE CONNECTION SIZE	COOLING DATA				HEATING DATA				ELECTRICAL				REMARKS
									LOAD EWT/LWT	SOURCE EWT/LWT	GPM	TONS	EER	LOAD EWT/LWT	SOURCE EWT/LWT	GPM	OUTPUT MBH	LAP	VOLTS	PHASE	MCA	
GHP-1	GEOTHERMAL WELL FIELD	MULTISTACK	WR030	SCROLL	R410A/R134a	1	1(30)	2"	54.0/44.0	90.0/66.0	78.0	32.5	16.7	120.3/130.0	45.0/40.0	78.0	377	2.9	460	3	66	1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

CONVECTOR SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	TYPE	SIZE LxHxD	ENT. WATER	LVG. WATER	MBH	GPM	REMARKS
CV-1	106 TOILET	STERLING	RFA	RECESSED WALL	20"x16"x4"					1
CV-2	104 TOILET	STERLING	RFA	RECESSED WALL	20"x16"x4"					1
CV-3	103 TOILET	STERLING	RFA	RECESSED WALL	20"x16"x4"					1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

WATER SOFTENER SCHEDULE

UNIT NO.	MANUFACTURER	MODEL NUMBER	TYPE	EXCHANGE CAPACITY PERTANK GRAINS)		FLOWRATE (GPM)		RESIN (CU. FT.)	BACKWASH FLOWRATE (GPM)	BRINE TANK STORAGE (LBS)	SOFTENER TANK SIZE	BRINE TANK SIZE	INLET/OUTLET HEADER PIPE SIZE	REMARKS
				KILBS SALT PER CU. FT	KILBS SALT PER CU. FT	STD. @ 15 PSI	PEAK @ 25 PSI							
WS-1														

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH DIGITAL DISPLAY PROGRAMMABLE CONTROLLER.
3. CONNECT MECHANICAL CONTROLLER TO INLET AND OUTLET HEADER AS INDICATED ON DRAWINGS.
4. PROVIDE THE SYSTEM WITH BRINE RECLAMATION.

SIDE STREAM FILTER SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NO.	FILTER TYPE	DESIGN FLOWRATE (GPM)	MAXIMUM FLOWRATE (GPM)	CONNECTION SIZE	MAXIMUM PRESSURE DROP (PSI)	REMARKS
F-1		WESSELS	4NBH12-2H	BAG	9-90	180	2"	0.75	1,2,4
F-2		WESSELS	4NBH12-3F	BAG	60-140	160	3"	0.75	1,2,3

NOTES:
1. FIELD INSTALLED ACCESSORIES INCLUDE AT A MINIMUM PRESSURE GAUGES ON THE INLET/OUTLET, ISOLATION SHUTOFF VALVES, UNION CONNECTIONS, AND A BALANCING VALVE FOR THE FLOW INDICATED.
2. THE MECHANICAL CONTRACTOR SHALL VERIFY INLET AND OUTLET CONFIGURATION.
3. MAXIMUM PRESSURE DROP IS BASED UPON A 5 MICRON CLEAN FILTER.

RADIANT IN FLOOR HEAT SCHEDULE

UNIT NO.	SERVES	GROSS AREA SF	TUBE TYPE	MANUFACTURER	TUBE SPACING	LOOP LENGTH	# OF LOOPS	LOAD PER SF	ISWP DROP	GPM	HORU LOSS	REQUIRED WATER TEMP	TOTAL RADIANT LOAD (BTU/HR)	REMARKS
R-1	ZONE 1	1394	PeP EX 1"	UPONOR	6"	299'	-	-	20#	-	14.3	126	40911	1,2,3,4
R-2	ZONE 2	451	PeP EX 3/4"	UPONOR	6"	246'			20#		9.2	126	14207	1,2,3,4
R-3	ZONE 3	615	PeP EX 3/4"	UPONOR	6"	225'			20#		9.4	126	19373	1,2,3,4
R-4	ZONE 4	921	PeP EX 3/4"	UPONOR	6"	250'			20#		9.7	126	29012	1,2,3,4

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SELECTED WITH 50% PROPYLENE GLYCOL.
3. PROVIDE ALL SLAB PIPING, MANIFOLDS, SENSORS, AND CONTROLS.
4. PROVIDE ONLY UNDER ALTERNATE #1.

PUMP SCHEDULE

UNIT NO.	SERVES	LOCATION	MANUFACTURER	SERIES	MODEL NUMBER	TYPE	DESIGN GPM	DESIGN HEAD	SPA FLOW HEAD	SHUTOFF HEAD	IMP. SIZE	EFF.	SUC. SIZE	DISCH. SIZE	MOTOR				REMARKS
															RPM	H.P.	VOLTS	PHASE	VFD	
P-1	HEATING/CHILLED		B&G	SERIES 60		INLINE	75	70	70	70	9.125"		2"	2"		5	208	3	YES	1,2
P-2	HEATING/CHILLED		B&G	SERIES 60		INLINE	75	70	70	70	9.125"		2"	2"		5	208	3	YES	1,3
P-3	WELL FIELD		B&G	SERIES 60		INLINE	90	95	90	95	9.625"		3"	3"		10	208	3	YES	1,2
P-4	WELL FIELD		B&G	SERIES 60		INLINE	90	95	90	95	9.625"		3"	3"		10	208	3	YES	1,3
P-5	INFLOOR HEAT ZONE #1		B&G	PL35		INLINE	10	30			-		1"	1"		1/6	120	1	YES	1,3
P-6	INFLOOR HEAT ZONE #2		B&G	PL35		INLINE	10	30			-		1"	1"		1/6	120	1	YES	1,3
P-7	INFLOOR HEAT ZONE #3		B&G	PL35		INLINE	10	30			-		1"	1"		1/6	120	1	YES	1,3
P-8	INFLOOR HEAT ZONE #4		B&G	PL35		INLINE	10	30			-		1"	1"		1/6	120	1	YES	1,3
P-9	DOMESTIC HW RECIRC.		B&G	NBF-10	NBF-10	INLINE	40	12			-		1"	1"		1/4	120	1	NO	1,2
P-10	BOILER																			1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AND INSTALL A STRAP-ON LINE VOLTAGE ADJUSTABLE CYCLE PUMP. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR FOR WIRING.
3. VARIABLE FREQUENCY DRIVES SHALL BE PROVIDED BY THE BUILDING AUTOMATION SYSTEM CONTRACTOR. ALL VARIABLE FREQUENCY DRIVES FOR THE ENTIRE PROJECT SHALL BE BY THE SAME MANUFACTURER.

EXPANSION TANK SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TANK TYPE	AVERAGE WATER TEMP.	MINIMUM PRECHARGE PRESS (PSIG)	MAXIMUM OPER. PRESSURE (PSIG)	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	TANK HEIGHT	TANK DIA.	REMARKS
ET-1	HEATING/CHILLED WATER	B&G	B85	BLADDER	100			22	22			1,2
ET-2	CONDENSER WATER	B&G	B85	BLADDER	100			22	22			1,2
ET-3	DOMESTIC HW	B&G	PT-12	DIAPHRAGM	110			4.4	3.2			1,2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

FAN COIL UNIT SCHEDULE

UNIT NO.	TYPE	CFM @ HIGH SPEED	MIN OA	ESP	COOLING DATA						HEATING DATA						FAN DATA				REMARKS
					EAT DB/WB	LAT DB/WB	EWT	LWT	MBH	GPM	FLUID P.D.	AIR P.D.	EAT DB	LAT DB	EWT	LWT	MBH	GPM	FLUID P.D.	AIR P.D.	VOLTS	PHASE	HP	MOTOR TYPE	
FC-1	ENVIRO-TEC, HPF	2500	665	1.25	78/64.7	57/56.3	44	53.9	62.2	13.4	9.29	0.32	47.5	90.3	130	120.1	117.4	25	8.84	0.1	460	3	1	ECM	1
FC-2	ENVIRO-TEC, HLF	600	175	0.7	80.6/66.7	59.3/58.3	44	54	15.12	3.4	7.99		31.9	111.4	140	120	37.69	7.6	16.76	-	277	1	3/4	PSC	1
FC-3	ENVIRO-TEC, HLF	1600	350	1.0	77.3/64.2	55.5/55.1	44	53.9	42.3	9.1	9.04	0.25	31.9	87.6	140	120	97.2	20.6	6.79	0.16	460	3	1 1/2	ECM	1
FC-4	ENVIRO-TEC, HPF	2800	675	1.25	77.6/61.7	56.2/53.7	44	54	62.7	13.4	9.29	0.33	49.8	91.3	130	119.9	115.2	23.8	8.07	0.1	460	3	1 1/2	ECM	1

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

INTAKE AND RELIEF HOOD SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	TYPE	CFM	MAX. SP (IN W.C.)	THROAT SIZE	BACKDRAFT DAMPER (YES/NO)	REMARKS
RH-1	FC-1,2,3,4	GREENNECK	FGR	GRAVITY RELIEF HOOD	7,700		40"x40"	NO	1,2,3

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. ALL INTAKE AND RELIEF HOODS ARE SHALL HAVE LOCKABLE HINGED OPENINGS.
3. PROVIDE WITH 24" HIGH CURB.

AIR SEPARATOR SCHEDULE

UNIT NO.	SERVES	MANUFACTURER	MODEL NUMBER	MAX. GPM	INLET/OUTLET SIZE	BLOWDOWN SIZE	REMARKS
AS-1	BOILER	BELL & GOSSETT	RL-XX	XX	4"x4"	2"	1,2
AS-2	CHILLER	BELL & GOSSETT	RL-XX	XX	4"x4"	2"	1,2

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

PLUMBING FIXTURE SCHEDULE

FIX. NO.	FIXTURE TYPE	MINIMUM TRAP SIZE	MINIMUM DRAIN SIZE	VENT SIZE	CW SIZE	HW SIZE	TEPID WATER SIZE	VACUUM	LAN WASTE			REMARKS
									AIR	NAT. GAS	OTHER	
P-1H	WATER CLOSET (ADA)	3"	4"	2"	1 1/4"	-	-	-	-	-	-	ADA COMPLIANT
P-2H	LAVATORY (ADA)	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-3	MOP BASIN	3"	3"	1 1/2"	3/4"	3/4"	-	-	-	-	-	-
P-4	WATER COOLER	1 1/2"	1 1/2"	1 1/2"	1/2"	-	-	-	-	-	-	SURFACE MOUNTED, DUAL HEIGHT
P-5	SINGLE SINK	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-6	SINGLE SINK (WIDE)	1 1/2"	2"	1 1/2"	1/2"	1/2"	-	-	-	-	-	ADA COMPLIANT
P-7	EMERGENCY EYEWASH	-	-	-	1/2"	1/2"	1/2"	-	-	-	-	WALL MOUNTED

GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

TYPE	SERVICE	MANUF. & MODEL NO.	DESCRIPTION	REMARKS
A	SUPPLY AIR DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL TMS BORDER TYPE 3	24" x 24" STEEL 3 CONE LOUVERED FACE SUPPLY AIR DIFFUSER WITH ROUND INLET NECK, HEAVY GAUGE STEEL BACK PAN, AND FACTORY BAKED WHITE ENAMEL FINISH.	
B	RETURN GRILLE (LAY-IN CEILING MOUNT)	TITUS MODEL 50F BORDER TYPE 7	ALUMINUM 24" x 24" x 5/8" EGG CRATE GRILLE OF THE SIZE INDICATED ON THE PLANS. PROVIDE WITH BORDER CHANNEL, AND FACTORY BAKED WHITE ENAMEL FINISH.	
C	SUPPLY REGISTER (SURFACE MOUNT)	TITUS MODEL 300RL	ALL STEEL SUPPLY REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH DOUBLE DEFLECTION HORIZONTAL FRONT BLADES, ¾" SPACING, OPPOSED BLADE DAMPER, AND BAKED WHITE ENAMEL FINISH.	
D	EXHAUST REGISTER (SURFACE MOUNT)	TITUS MODEL 350RL	ALL STEEL EXHAUST REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH SINGLE DEFLECTION HORIZONTAL BLADES AT A RISED OFF PATTERN AT ¾" SPACING, OPPOSED BLADE DAMPER, AND FACTORY BAKED WHITE ENAMEL FINISH.	
E	RETURN, EXHAUST, TRANSFER GRILLE (SURFACE MOUNT)	TITUS MODEL 350RL	SAME AS EXHAUST REGISTER D EXCEPT WITHOUT THE OPPOSED BLADE DAMPER.	
F	SPIRAL DUCT MOUNTED GRILLES	TITUS MODEL S300F	ALL STEEL SUPPLY REGISTER OF THE SIZES AS INDICATED ON THE PLANS. PROVIDE WITH DOUBLE DEFLECTION HORIZONTAL FRONT BLADES, ¾" SPACING, OPPOSED BLADE DAMPER, AND BAKED WHITE ENAMEL FINISH.	
L	LINEAR SUPPLY DIFFUSER (LAY-IN CEILING MOUNT)	TITUS MODEL IRL-38 BORDER TYPE 5A	EXTRUDED ALUMINUM 3/4" SLOT WITH LENGTH AND NUMBER OF SLOTS AS INDICATED ON THE PLANS. PROVIDE WITH END PLATES, OPTIONAL PLENUM WITH INLET AS INDICATED ON DRAWINGS, BLANK-OFF PLATES AS REQUIRED. STEEL PATTERN CONTROLLERS (PAINTED BLACK) CAPABLE OF 100" AIR FLOW ADJUSTMENT, AND FACTORY BAKED WHITE ENAMEL FINISH.	

CD OWNER REVIEW SET

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE

8635 W POINT DOUGLAS RD S COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

License Number: Date:

Revisions		
Description	Date	Num

Comm: 222064
Date: 10/24/22
Drawn: AG
Check: JM

SCHEDULES

Scale: 1/8" = 1'-0"

M6.4

ELECTRICAL SYMBOL SCHEDULE

GENERAL ELECTRICAL SYMBOLS

A. DEVICES SHALL BE MOUNTED AT THE HEIGHT INDICATED, UNLESS NOTED OTHERWISE. HEIGHTS ARE MEASURED TO FROM DEVICE CENTER TO FINISHED FLOOR. DEVICES MOUNTED IN BLOCKWORK/WALLS SHALL CO ORRESPOND WITH BLOCKWORK COURSING. SEE MASONRY SHOWBOX MOUNTING HEIGHT DETAIL.

B. ALL MOUNTING HEIGHTS INDICATED ARE FROM THE FINISH FLOOR TO THE CENTER OF THE BOX.

C. ON DEMOLITION DRAWINGS, DASHED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO BE REMOVED; SOLID SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, UNLESS NOTED OTHERWISE

D. ON NEW WORK LIGHTING, POWER AND SYSTEMS DRAWINGS, SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN; SOLID ELECTRICAL ITEMS DENOTES NEW ITEMS UNLESS NOTED OTHERWISE.

DEVICES TO BE DEEMED LISHED:

EXISTING DEVICES TO REMAIN:

NEW DEVICES:

KEYED NOTE.

FEEDER OR EQUIPMENT DRAWING NOTE.

ELEVATION, SEE DETAIL# ON SHEET D#.

POWER DISTRIBUTION AND EQUIPMENT

SWITCHBOARD WITH CONCRETE PAD: FLOOR MOUNTED.

RELAY/CONNECTION CABINET; WALL MOUNTED, WITH TOP AT 72" AFF

PANELBOARD; WALL MOUNTED WITH TOP AT 78" AFF.

ATS — AUTOMATIC TRANSFER SWITCH; WALL OR FLOOR MOUNTED.

T — TRANSFORMER, WITH SIZE AS NOTED. SEE RISER DIAGRAM, SCHEDULE OR FLOOR PLANS; VERIFY.

PB — PULLBOX

HH — HANDHOLE

MCC — MOTOR CONTROL CENTER (NS CONCRETE PAD); FLOOR MOUNTED.

FLUSH BUS DUCT SWITCH; SIZE AS INDICATED AND SPECIFIED. VERIFY MOUNTING HEIGHT.

M — METER SOCKET ASSEMBLY; MOUNT TO P AT 72" AFF

BRANCH CIRCUIT, FEEDER, AND RACEWAY

INDICATES CONDUIT ROUTED BELOW, IN FLOOR STRUCTURE, BELOW GRADE, OR AS NOTED.

GROUND

INDICATES CONDUIT IS SURFACE MOUNTED

INDICATES CONDUIT ROUTED CONCEALED ABOVE FLOOR OR GRADE (IN CEILING OR WALL)

INDICATES CONDUIT UP

INDICATES CONDUIT DOWN

CONDUIT STUB - TERMINATION INDICATED BY NOTE

CONDUIT CONTINUATION

CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS. SEE SCHEDULE FOR QUANTITIES AND SIZES OF SLEEVES

CABLE TRAY (WIDTH X DEPTH)

3"C,3#4+#6G — INDICATES 7 CONDUIT, (3) NO. 4 AWG CONDUCTORS AND (1) NO. 3 GROUND WIRE

SURFACE RACEWAY ASSEMBLY, PROVIDE AS SPECIFIED, UNLESS NOTED OTHERWISE.

LIGHTING

RECESSED LUMINAIRE (TYPE DENOTED)

SURFACE MOUNTED LUMINAIRE (TYPE DENOTED)

LUMINAIRE ON EMERGENCY CIRCUIT, SWITCHED

LUMINAIRE ON EMERGENCY CIRCUIT, UNSWITCHED

STRIP LIGHT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.

WALL MOUNTED LUMINAIRE; SEE REFLECTED CEILING PLAN FOR MOUNTING HEIGHT.

LINEAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.

CIRCULAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.

TRACK LIGHT; LUMINAIRE (WITH HEADS OR PENDANTS), LENGTH AND MOUNTING AS NOTED ON DRAWINGS.

EXIT LIGHT-FACE SHOWN SHADED; PLAN INDICATES CEILING OR WALL MOUNTING AND DIRECTIONAL ARROWS.

EMERGENCY LIGHTING UNIT- TWO HEAD IND UNTING AS INDICATED ON DRAWINGS.

POLE MOUNTED SITE LUMINAIRE - SINGLE SHOWN.

POLE MOUNTED SITE LUMINAIRE - PEDESTRIAN OR BOLLARD STYLE.

LIGHTING CONTROL

SWITCHING NOTATION. ## INDICATES THE FOLLOWING:

3 THREE-WAY
4 FOUR-WAY
D DIMMER
K KEYED
LV LOW VOLTAGE
MC MOMENTARY CONTACT
PL PILOT LIGHT
TD TIME DELAY

EACH SYMBOL DENOTES A SINGLE POLE LIGHT SWITCH WHEN MULTIPLE SWITCHES ARE SHOWN, LOCATE ALL UNDER SINGLE MULTI-GATCH COVERPLATE.

PHOTOCELL - WALL, CEILING, OR ROOF MOUNTED; SEE DRAWINGS.

OCCUPANCY SENSOR - WALL OR CEILING CELING MOUNT. REFER TO LIGHTING CONTROL SCHEDULE FOR OPERATIO N INFORMATION.

EMERGENCY LIGHTING RELAY (UL924) - SEE WIRING SCHEMATIC ON DETAIL SHEETS.

SECURITY DEVICES

SECURITY DEVICE. ## INDICATES THE FOLLOWING:
CR CARD READER
DC DOOR CONTACTS (MONITORING)
EL ELECTRIC LOCK/LATCH
ES ELECTRIC STRIKE
GB GLASS BREAK DETECTOR
IR INFARED DETECTOR
ML MAGNETIC LOCK
RED REQUEST TO EXIT
XP EXIT PUSHBUTTON, MOUNT AT ADA HT.

CR = CARD READER ROUGH-IN AT ADA HEIGHT.
CR/= CARD READER WITH INTEGRATED KEY PAD REFER TO DETAILS.

DOOR RELEASE; MOUNT PER DWGS.

VIDEO INTERCOM WITH INTEGRATED DOOR RELEASE; MOUNT WITH ACTUATION BUTTON AT MAXIMUM 42" (BUTTON LOCATION VARIES BY DEVICE MANUFACTURER). WALL MOUNT, P COUNT TO ACCESSIBLE CEILING. REFER TO DETAIL.
I= INTERCOM, U = VIDEO INTERCOM.

KEYPAD; VERIFY MOUNTING HEIGHT WITH DWGS.

DURESS BUTTON

MASTER CONTROL STATION

MOTION DETECTOR, ARROW INDICATES DIRECTION. @WALL OR CEILING MOUNTED.

CONTROL SWITCH - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.

INDICATOR LIGHT - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.

SURVEILLANCE CAMERA. @WALL OR CEILING MOUNTED, 7"C. BUSHED EMT TO ACCESSIBLE CEILING.

MULTI-LENS SURVEILLANCE CAMERA. @WALL OR CEILING MOUNTED, 7"C. BUSHED EMT TO ACCESSIBLE CEILING.

COMMUNICATION DEVICES

PAGING INTERCOM SPEAKER HORN ASSEMBLY - F.A. OR AS INDICATED (## INDICATES THE FOLLOWING: HG = HARDED GUARD; FA = F.A. SYSTEM. @4'C. BUSHED EMT TO ACCESSIBLE CEILING).

LOUD SPEAKER HORN ASSEMBLY; VERIFY MOUNTING HEIGHT. (## INDICATES THE FO LOWING: HG = HARDED GUARD; FA = F.A SYSTEM. @4'C. BUSHED EMT TO ACCESSIBLE CEILING).

SPEAKER WITH BACKBOX (WALL OR CEILING). ## INDICATES THE FOLLOWING: FA = F.A. SYSTEM; V = WITH INTEGRAL VOLUME CONTROL; 2W = 2 CNE NUMBER. HG = REFER TO A/V SYMBOLS. @4'C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT 12" BELOW CEILING O RAS INDICATED ON PLANS.

INTERCOM. ## INDICATES THE FOLLOWING: M = MASTER STATION, IC = REFER TO A/V SYMBOLS. HG = REFER TO A/V SYMBOLS. (10'C. BUSHED EMT TO ACCESSIBLE CEILING).

VOLUME CONTROL. @7'C. BUSHED EMT TO ACCESSIB LE CEILING).

CALL BACK SWITCH. @7'C. BUSHED EMT TO ACCESSIB LE CEILING).

CLOCK OUTLET. @4'C. BUSHED EMT TO ACCESSIB LE CEILING FOR WIRED CLOCKS ONLY). D = DOUBLE FACED

BELL/AUDIBLE DEVICE. @4'C. BUSHED EMT TO ACCESSIB LE CEILING).

WALL DATA AND COMMUNICATIONS OUTLET; @BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.

CEILING DATA OUTLET AND WIRELESS ACCESS POINT; @BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.

WALL MOUNT DATA OUTLET FOR ROOM SCHEDULING EQUIPMENT. REFER TO DETAILS.

WALL PHONE/COMMUNICATIONS OTLET; 0"@BUSHED EMT TO ACCESSIBLE CEILING SPACE). SEE DETAIL SHEETS.

DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNA.

FIRE ALARM DEVICES

FAAP — FIRE ALARM ANNUNCIATOR PANEL;

FACP — FIRE ALARM CONTROL PANEL (MASTER);

NAC — FIRE ALARM NOTIFICATIO N APPLIANCE CIRCUIT PANEL. MOUNT TOP 82" AFF PLUS OR MINUS 2".

FIRE ALARM MANUAL PULL STATION.

FIRE ALARM HORN (AUDIBLE), WALL MOUNTED.

FIRE ALARM CHIME (WP FOR EXTERIOR MOUNTING), B = BELL.

FIRE ALARM STROBE (@SUA) DEVICE (WALL OR CEILING MOUNTED). ## INDICATES THE FO LOWING: HG=HARDED GUARD; WP=WEATHER PROOF

FIRE ALARM HORN/STROBE (CO MBINATION) (WALL OR CEILING MOUNTED). ## INDICATES THE FO LOWING: HG=HARDED GUARD; WP=WEATHER PROOF

FIRE ALARM SPEAKER/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). ## INDICATES THE FO LOWING: HG=HARDED GUARD; WP=WEATHER PROOF

FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). ## INDICATES THE FOLLOWING: HG=HARDED GUARD; WP=WEATHER PROOF

FIREMAN PHONE JACK; MOUNT TOP 54" AFF PLUS OR MINUS 2".

MAGNETIC DOOR HOLD OPEN (WALL MOUNTED); MOUNT PER DWGS.

SPRINKLER FLOW SWITCH; MOUNT PER DWGS.

SPRINKLER TAMPER SWITCH; MOUNT PER DWGS.

SMOKE DETECTOR-CEILING MOUNTED.
S-CO = COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR
S-H = COMBINATION SMOKE AND HEAT DETECTOR

HEAT DETECTOR (RATE-OF-RISE); A** = RATED TEMPERATURE - CEILING MOUNTED

DUCT SMOKE DETECTOR; MOUNT PER DWGS.

FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE; MOUNT PER DWGS.

FIRE ALARM CONTROL MODULE; MOUNT PER DWGS.

FIRESMOKE DAMPER; MOUNT PER DWGS.

POWER AND MOTOR DEVICES

RECEPTACLE NOTATION. ## INDICATES THE FOLLOWING:
AB ABOVE COUNTER, BOTTOM OF BOX 3" ABOVE BACKSPLASH
IG ISOLATED GROUND
GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER
OFCI OFFICE GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER
TR TAMPER RESISTANT
USB @ USB POINTS INTEGRAL WITH RECEPTACLE
WP WEATHERPROOF

SURFACE MOUNTED DUPLEX /QUAD RECEPTACLES AND DATA OUTLETS

RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER

DUPLEX RECEPTACLE ON NORMAL CIRCUIT

DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT

RECEPTACLE (SINGLE)

DOUBLE DUPLEX RECEPTACLE (QUAD) ON NORMAL CIRCUIT

DOUBLE DUPLEX RECEPTACLE (QUAD) ON EMERGENCY CIRCUIT

SPECIAL PURPOSE OUTLET; RECESSED, #D UNIT PER DWGS.

RECESSED CEILING MOUNTED SINGLE OR DUPLEX RECEPTACLE W/ ADDITIONAL 10' FLEX MC/AC SLACK (COILED); FOR FUTURE DEVICE RELOCATION.

USB ONLY DEVICE, (#) USB CHARGING PORTS

CEILING OR WALL MOUNTED JUNCTION BOX WITH REQUIRED COVERPLATE - P LAIN INDICATES FUNCTION

MSP — MID TO RATED SWITCH AND PILOT.

MS — MID TO RATED SWITCH.

MSS — MID TOR STARTER SWITCH WITH MOTOR RUNNING PROTECTION (#JD RELAY IF CONTROL CONTACTS ARE REQUIRED).

DISCONNECT SWITCH - NON FUSED.

DISCONNECT SWITCH - FUSED.

MD TO RS TARTER.

COMBINATION STARTER/DISCONNECT SWITCH.

PUSHBUTTON - WALL MOUNTED.

ADA — PUSHBUTTON - WALL MOUNTED.

POWER POLE (DEVICES AS INDICATED)

MOTOR, SEE MOTOR AND EQUIPMENT SCHEDULE

FTR — POKE-THROUGH (#") OR FLOOR BOX (FB), FULLY RECESSED IN FLOOR. REFER TO POKE-THROUGH AND FLOOR BOX SCHEDULE.

FB#

WALL MOUNTED FURNITURE FEED.

CORD REEL (CORD AND PLUG SET - CEILING MOUNTED. SEE PLANS FOR MORE INFORMATION.

NURSE CALL DEVICES

NURSE CALL SYSTEM DEVICE. 4" SQUARE BOX WITH 3/4"C. BUSHED EMT TO ACCESSIBLE CEILING. UNO.
c INDICATES THE FOLLOWING:
A = STAFF ASSIST REQUEST
B = CODE BLUE
D = DUTY STATION, 3-GANG BOX
E = EMERGENCY (PULLCORD)
E1 = EMERGENCY (PUSHBUTTON)
L = DOME LIGHT, ABOVE DOOR HEIGHT
M = MASTER STATION, 1-GANG BELOW COUNTER TOP
M/= MASTER STATION WALL-MOUNTED, 3-GANG BOX
P = PATIENT, 3-GANG BOX
P1 = PATIENT W/ EXTRN JACK FOR PILLOW SPEAKER, 3-GANG BOX
R = READ, 4-GANG BOX
S = STAFF RESPONDER, 3-GANG BOX
T = TV, MOUNT SAME HEIGHT AS ADJACENT RECEPTACLE

DOME LIGHT, CEILING MOUNTED.

WANDERING PATIENT DEVICE, MOUNT PER DWGS. ## INDICATES THE FOLLOWING:
KP = KEYPAD
RX = RECEIVER

WANDER ALERT SENSOR, MOUNT ABOVE CEILING. cc INDICATES THE FOLLOWING: BK=BAG LOCK; DC= DOOR CONTACT.

AUDIO / VIDEO DEVICES

MICROPHONE OUTLET (WALL, CEILING, OR HANDING). HG = HANDING, 7 GANG J-BOX AT CEILING. (SCR OR AS NOTED. @2'C. BUSHED EMT TO ACCESSIBLE CEILING).

AUXILIARY INPUT CO NNECTOR. @2'C. BUSHED EMT TO ACCESSIBLE CEILING).

COMMUNICATIONS OUTLET FOR TV (WALL OR CEILING). @BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). # = SEE DETAIL SHEETS.

TWO-WAY CAMERA, CLOSED CIRCUIT. @WALL OR CEILING MOUNTED, 0"C. BUSHED EMT TO ACCESSIBLE CEILING. MOUNT # OF DRAWING; CAMERA BY OTHERS.

A/V WALL OR DESK MOUNTED EQUIPMENT RACK OR CABINET. REFER TO A/V DETAILS. A/R# DENOTES RACK NUMBER.

A/V FLOOR MOUNTED EQUIPMENT CABINET. REFER TO A/V DETAILS. A/R# DENOTES RACK NUMBER.

CEILING OR WALL MOUNTED A/V JUNCTION BOX. REFER TO KEYNOTE FOR DIMENSIONS AND ADDITIONAL INFORMATION.

A/V CONTROL PANEL (TOUCH SCREEN OR BUTTON PANEL). WALL MOUNTED. REFER TO KEYNOTE.

A/V WALL MP UT WALL PLATE/TRANSMITTER. REFER TO A/V DETAILS.

A/V INPUT N FURNITURE. REFER TO A/V DETAILS.

A/V TECH I/O PANEL (NUMBE ER). REFER TO A/V PANEL DETAILS FOR DIMENSIONS AND ADDITIONAL INFORMATION.

ANTENNA - ADOOR WALL PLATE, 1C ANG, FOR WIRELESS INCS OR A.L.S. REFER TO A/V WALL PLATE DETAILS.

PROJECTION PTZ CAMERA AND J-BOX WALL PLATE. REFER TO A/V WALL PLATE DETAILS.

PROJECTION INTERCOM HEADSET STATION.

PROJECTION INTERCOM OUTLET WALL PLATE. REFER TO A/V WALL PLATE DETAILS.

CEILING OR WALL-MOUNT PROJECTOR. REFER TO A/V DETAILS.

PROJECTION SCREEN - LOW VOLTAGE CONNECTION.

CEILING OR WALL-MOUNT A/V SPEAKER, FLUSH-MOUNT. 2.20 INS#.

CEILING MOUNTED A/V SPEAKER, PENDANT MOUNT. 2.20 INS#.

SUSPENDED SPEAKER ENCLOSURE OR ARRAY; AND RIGGING. REFER TO A/V DETAILS.

RECESSED CABLE ENCLOSURE IN FURNITURE.

ELECTRICAL ABBREVIATIONS LIST

<	ANGLE	C	CONDUIT	J-BOX	JUNCTION BOX	N.C.	NORMALLY CLOSED	QUAN	QUANTITY	UE	UNDERGROUND ELECTRICAL
@	AT	CATV	CABLE TELEVISION			NEC	NATIONAL ELECTRICAL CODE			UG	UNDERGROUND
^	FEET	CB	CIRCUIT BREAKER	kV	KILOVOLT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	RCPT	RECEPTACLE	UH	UNIT HEATER
"	INCHES	CCTV	CLOSED CIRCUIT TELEVISION	kVA	KILOVOLT-AMPERE			REQD	REQUIRED	UNO	UNLESS NOTED OTHERWISE
#	NUMBER	CKT	CIRCUIT	kVAR	KILOVOLT-AMPERE REACTIVE	NFS	NON-FUSED SAFETY SWITCH	RL	RELOCATED	UT	UNDERGROUND TELEPHONE
1P	1 POLE (2P, 3P, 4P, ETC.)	CLG	CEILING	kW	KILOWATT	NIC	NOT IN CONTRACT	RSC	RIGID STEEL CONDUIT	UV	UNIT VENTILATOR OR ULTRAVIOLET
		CMPR	COMPRESSOR	kWH	KILOWATT HOUR	NL	NIGHT LIGHT	RTU	ROOF TOP UNIT		
A	AMPERE	CONN	CONNECTION			NO.	NORMALLY OPEN			V	VOLT
AC	AIR CONDITIONER	CONT	CONTINUATION OR CONTINUOUS	LDC	LOCATE OR LOCATION	NPF	NORMAL POWER FACTOR	SC	SURFACE CONDUIT	VA	VOLT-AMPERES
ACCD	ACCESS CEILING	CONTR	CONTRACTOR	LT	LIGHT	NTS	NOT TO SCALE	SEC	SECONDARY	VERT	VERTICAL
ADA	AUTOMATIC DOOR ACTUATOR	CONU	CONJECTOR	LTG	LIGHTING			SHT	SHEET	VFD	VARIABLE FREQUENCY DRIVE
AFF	ABOVE FINISHED FLOOR	CP	CIRCULATING PUMP	LTHG	LIGHTING	OFE	OWNER FURNISHED EQUIPMENT	SIM	SIMILAR	VOL	VOLUME
AFG	ABOVE FINISHED GRADE	CT	CURRENT TRANSFORMER	LV	LOW VOLTAGE	OH	OVERHEAD	SN	SOLID NEUTRAL		
AFI	ARC FAULT CIRCUIT INTERRUPTER	CTR	CENTER			OL	OVERLOAD	SPKR	SPEAKER	W	WATT
AHU	AIR HANDLING UNIT	CU	COPPER	MAG S	MAGNETIC STARTER			SP	SPARE	W/	WITH
AL	ALUMINUM			MC	MOMENTARY CONTACT	PA	PUBLIC ADDRESS	SR	SURFACE RACEWAY	WG	WIREGUARD
ALT	ALTERNATE	DCP	DOMESTIC WATER CIRCULATING PUMP	MCB	MAIN CIRCUITS REAKER	PB	PULL BOX	SS	STAINLESS STEEL	WH	WATER HEATER
AMP	AMPLIFIER			MCC	MOTOR CONTROL CENTER	PC	PNEUMATIC ELECTRIC	SSW	SELECTOR SWITCH	WHG	WITHOUT
ANNUN	ANNUNCIATOR	EX	EXISTING TO REMAIN	MDC	MAIN DISTRIBUTION CENTER	PED	PEDESTAL	SS	STOP/START PUSHBUTTONS	WP	WEATHERPROOF
AO-STAT	AD-STAT			MDP	MAIN DISTRIBUTION PANEL	PF	POWER FACTOR	STA	STATION		
ATS	AUTOMATIC TRANSFER SWITCH	FOL	FIBER OPTIC LINE	MFR	MANUFACTURER	PH	PHASE	STD	STANDARD	XFMR	TRANSFORMER
AV	AUDIO VISUAL	FS	FUSIBLE SWITCH	MFS	MAIN FUSED DISCONNECT SWITCH	PNL	PANEL	SURF	SURFACE MOUNTED	XFR	TRANSFER
AWG	AMERICAN WIRE GAUGE			MJD	MAIN LUGS ONLY	PP	POWER POLE	SW	SWITCH		
		HTR	HEATER	MMS	MANUAL MOTOR STARTER	PR	PAIR	SWBD	SWITCHBOARD		
BATT	BATTERY	HV	HIGH VOLTAGE	MOA	MULTI-OUTLET ASSEMBLY	PRI	PRIMARY	SYM	SYMMETRICAL		
BD	BOARD	HWP	HYDRONIC WATER PUMP	MSP	MOTOR STARTER PANELBOARD	PROJ	PROJECTION	TERM	TERMINAL		
BLDG	BUILDING			MSWB	MAIN SWITCHBOARD	PRV	POWER ROOF VENTILATOR	TL	THRU T LOCK		
BAS	BUILDING AUTOMATED NSYSTEM	IC	INTERRUPTING CAPACITY	MT	MOUNT	PT	POTENTIAL TRANSFORMER	TR	TAMPER RESISTANT		
		ID	ISOLATED GROUND	MTC	EMPTY CONDUIT	PVC	POLYVINYL CHLORIDE (CONDUIT)	T-STAT	THERMOSTAT		
		IMC	INTERMEDIATE METAL CONDUIT	MTS	MANUAL TRANSFER SWITCH	PWR	POWER	TTC	TELEPHONE TERMINAL CABINET		
		INCAND	INCANDESCENT	MTR	MOTOR, MOTORIZED			TVTC	TELEVISION TERMINAL CABINET		
		IR	INFRARED					TYP	TYPICAL		
		INT	INTERLOCK WITH								

DEVICE ABBREVIATIONS:

WASH	CLOTHES WASHER
DRY	CLOTHES DRYER
DISH	DISHWASHER
DISP	UNDER SINK DISPOSER
EWC	ELECTRIC WATER COOLER
FLSH	SANITARY AUTOMATIC FLUSH
FRZ	FREEZER
GOGG	GOGGLES CABINET
HAND	HAND DRYER
HOOD	EXHAUST HOOD
MWO	MICROWAVE
REF	REFRIGERATOR
RL	RELOCATE
WL	WALL LOCATION
OVN	ELECTRIC OVEN
VEND	VENDING MACHINE
PRNT	PRINTER

Version 3.16.22

GENERAL ELECTRICAL NOTES

A. INSTALL CONCEALED CONDUIT WITH FLUSH J.B.'S IN WALLS AND CEILINGS UNLESS NOTED OTHERWISE. IN FINISHED AREAS WITH INACCESSIBLE WALLS OR CEILINGS, PROVIDE SURFACE (WIREMOLD) RACEWAY, PAINT TO MATCH COLOR OF ADJACENT WALL OR CEILING.

B. RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR.

C. CIRCUITS SUPPLYING LINE TO NEUTRAL LOADS SHALL HAVE DEDICATED NEUTRALS, i.e. ONE NEUTRAL PER PHASE. NEUTRAL CONDUCTORS SHALL HAVE TRACER STRIPE ALONG ENTIRE LENGTH INDICATING ASSOCIATED PHASE.

D. BUILDING CONDUCTORS SHALL BE THWN/THHN. CONDUCTORS IN UNDERGROUND CONDUIT OUTSIDE OF BUILDINGS SHALL BE XHHW.

E. NUMBERS AT RECEPTACLES AND LIGHT FIXTURES CORRESPOND DIRECTLY WITH PANELBOARD CIRCUIT NUMBERS AS SCHEDULED. BRANCH CIRCUIT WIRING AND HOMERUNS ARE NOT SHOWN FOR CLARITY. ACCURATE RECORD DRAWING INFORMATION IS TO BE PROVIDED AT THE PROJECT COMPLETION. TYPICAL THROUGHOUT. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.

F. REFER TO CONTRACT DOCUMENTS FOR SEQUENCE OF CONSTRUCTION AND PHASING OF THE CONTRACT.

G. SWITCHES SHALL BE MOUNTED PER ADA REQUIREMENTS, 46" AFF. UNLESS OTHERWISE NOTED, RECEPTACLES AND TELECOMMUNICATION OUTLETS IN FINISHED AREAS SHALL BE MOUNTED 18" AFF. RECEPTACLES IN UN-FINISHED SPACES SHALL BE MOUNTED AT 46" OR 4" ABOVE WORK SURFACE. COORDINATE RECEPTACLE MOUNTING HEIGHTS WITH MILLWORK ELEVATIONS, ARCHITECTURAL ELEVATIONS, AND MASONRY COURSING.

H. CRITICAL DEVICES / EQUIPMENT, INCLUDING TELEPHONE, COMPUTER, SECURITY, AND FIRE ALARM, AFFECT ASSOCIATED SYSTEMS BUILDING-WIDE. THESE SYSTEMS MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION. INDIVIDUAL DEVICES MAY BE DISCONNECTED AND/OR RECONNECTED DURING CONSTRUCTION. COORDINATE POWER OUTAGES WITH OWNER. PROVIDE TEMPORARY PANEL(S) AND/OR CIRCUIT(S) AS/IF NECESSARY TO MAINTAIN CONTINUITY. PROTECT FROM PHYSICAL AND DUST DAMAGE.

I. THE BUILDING SHALL MAINTAIN POWER THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE ENERGIZATION OF NEW EQUIPMENT AND THE CORRESPONDING RECONNECTION OF EXISTING AFFECTED ELECTRICAL DISTRIBUTION EQUIPMENT.

J. SEE RELATED PLUMBING AND HVAC DRAWINGS FOR LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. COORDINATE INTERCONNECTION REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS.

K. WIRING FOR MISCELLANEOUS HVAC DEVICES AND CONTROLLERS SUCH AS DAMPER MOTORS, THERMOSTATS, DUCT SMOKE DETECTORS, FREEZESTATS, DIFFERENTIAL PRESSURE SWITCHES, OCCUPIED AND UNOCCUPIED SELECTOR SWITCHES, ALARM LIGHTS, ETC., NOT SHOWN ON ELECTRICAL DRAWINGS IS DIVISION 23 WORK.

L. FIELD VERIFY EXISTING CONDITIONS. DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDS.

M. MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL SYSTEMS ON THE SITE THAT ARE EXISTING TO REMAIN.

N. PROVIDE ALL CONDUIT HOMERUNS AS 3/4"C. MIN.

O. COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER.

P. ALL CUTTING AND PATCHING FOR DIV. 26 WORK SHALL BE UNDER SUPERVISION AND APPROVAL OF ARCHITECT.

Q. REMOVE AND/OR REINSTALL ELECTRICAL DEVICES IN ALL AREAS OF WORK AS REQUIRED AND REPLACE ANY ELECTRICAL DEVICES DAMAGED BY WORK. NOT ALL DEVICES MAY BE SHOWN ON DRAWINGS.

R. PROVIDE ALL BOXES, FITTINGS, CONDUIT, WIRING, TERMINATIONS, EQUIPMENT, ETC., FOR A COMPLETE INSTALLATION.

S. BRANCH 20A CIRCUIT CONDUCTORS SHOULD BE SIZED AS FOLLOWS:

120V CCT LENGTH	277V CCT LENGTH	AWG
< 75'	< 130'	12
75' - 120'	130' - 215'	10
120' - 200'	215' - 330'	8

ELECTRICAL DRAWINGS

E0.00	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.01	ELECTRICAL SITE PLAN
E1.00	LIGHTING / POWER & SYSTEMS PLAN
E2.00	MOTOR AND LUMINAIRE SCHEDULE
E3.00	ROOF PLAN - SOLAR PANEL

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

License Number: BRADLEY R. JOHANNSEN 43936 Date: Issue Date

Revisions		
Description	Date	Num

Comm: 222064
Date: Issue Date
Drawn: D.PETERSON
Check: S.MCNAMARA

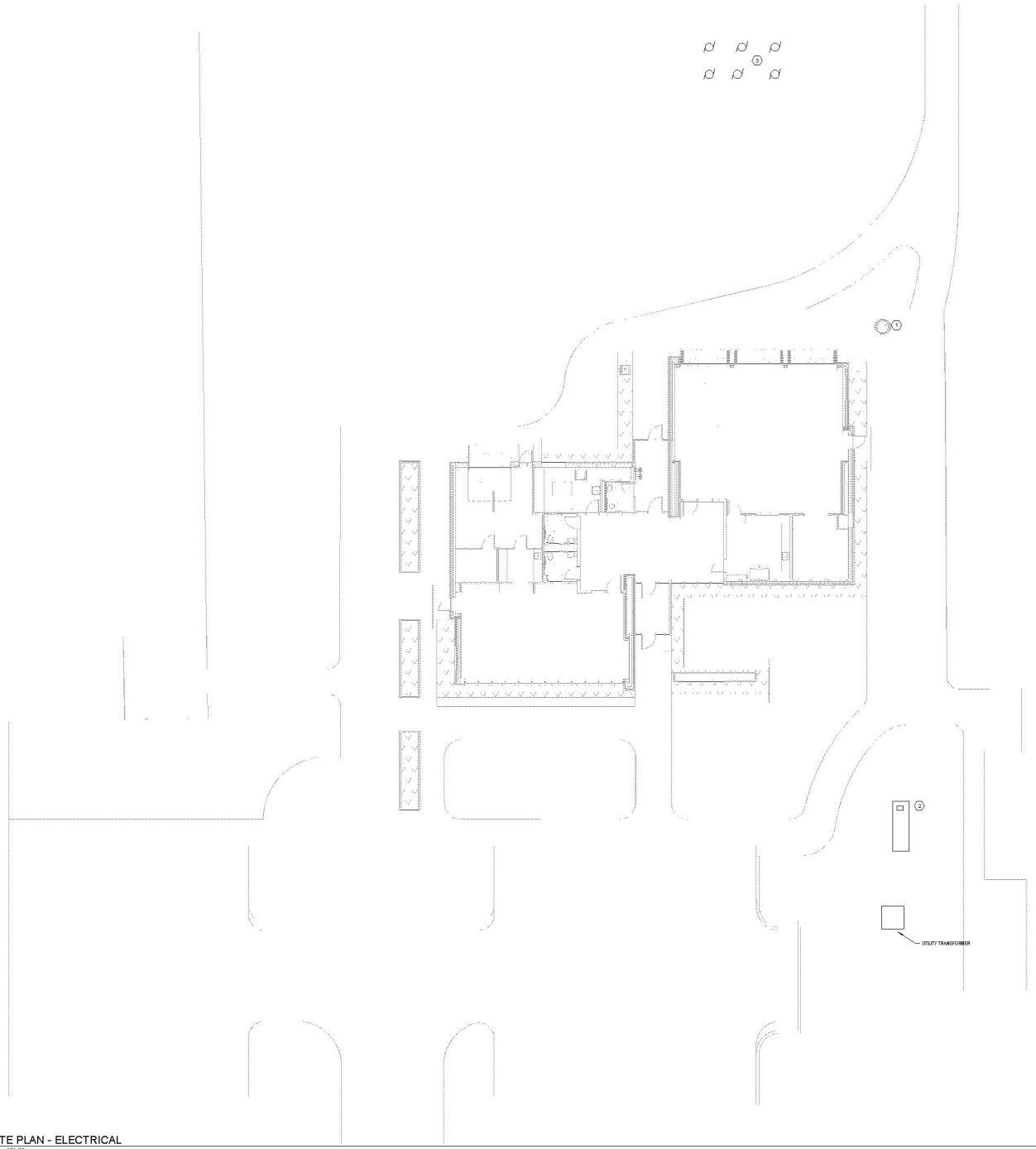
ELECTRICAL SYMBOLS AND ABBREVIATIONS

Scale: As indicated

E0.00

MN

E



F1 SITE PLAN - ELECTRICAL
1" = 10'-0"

GENERAL SHEET NOTES - LIGHTING

A. ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE.

B. ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 36" (MINIMUM) BELOW FINISHED GRADE.

C. ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.

D. PROVIDE PVC-40 IN GREEN SPACES AND PVC-80 UNDER HARD SURFACES.

E. PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.

F. PROVIDE DETECTABLE UNDERGROUND TAPE ABOVE EACH UNDERGROUND CONDUIT.

G. SET BACK CENTER OF POLE BASES 8 FEET FROM FACE OF CURB OR SIDEWALK.

H. SEE LIGHTING PLANS FOR EXACT LOCATIONS OF BUILDING MOUNTED LIGHTING.

I. HANDHOLES AND PULLBOXES MAY NOT BE INDICATED ON PLANS. PROVIDE AS REQUIRED FOR INSTALLATION.

KEYED SHEET NOTES

1. APPROXIMATE LOCATION OF FIRE PIT, REFER TO SHEET E1.00 FOR FURTHER DETAILS.
2. APPROXIMATE LOCATION OF CONNECTION CABINATE.
3. APPROXIMATE LOCATION OF GEOTHERMIC WELL FIELD (36).

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North

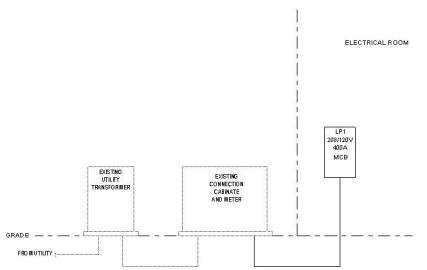
ELECTRICAL SITE PLAN

Scale: As indicated

E0.01

MN

E



B1 RISER DIAGRAM
N.T.S.

3 PHASE FEEDER SCHEDULE (COPPER)		
	FEEDER 3W	FEEDER 4W
ID	(NO NEUTRAL)	(WITH NEUTRAL)
(AMPS)	CONDUIT-PHASE-GROUND	CONDUIT-PHASE-GROUND
20A	(1) 1/2"C.-3#12+1#12G	(1) 1/2"C.-4#12+1#12G
30A	(1) 3/4"C.-3#10+1#10G	(1) 3/4"C.-4#10+1#10G
40A	(1) 3/4"C.-3#8+1#10G	(1) 3/4"C.-4#8+1#10G
50A	(1) 1"C.-3#8+1#10G	(1) 1"C.-4#8+1#10G
60A	(1) 1.25"C.-3#6+1#8G	(1) 1.25"C.-4#6+1#8G
80A	(1) 1.25"C.-3#4+1#8G	(1) 1.25"C.-4#4+1#8G
100A	(1) 1.5"C.-3#1+1#6G	(1) 1.5"C.-4#1+1#6G
125A	(1) 1.5"C.-3#1/0+1#6G	(1) 1.5"C.-4#1/0+1#6G
150A	(1) 1.5"C.-3#2/0+1#6G	(1) 1.5"C.-4#2/0+1#6G
175A	(1) 1.5"C.-3#3/0+1#6G	(1)2"C.-4#3/0+1#6G
200A	(1) 2"C.-3#3/0+1#6G	(1)2"C.-4#3/0+1#6G
225A	(1) 2"C.-3#4/0+1#4G	(1) 2.5"C.-4#4/0+1#4G
250A	(1) 2"C.-3#250+1#4G	(1) 2.5"C.-4#250+1#4G
300A	(1) 2.5"C.-3#350+1#4G	(1)3"C.-4#350+1#4G
400A	(2) 2"C.-3#3/0+1#6G	(2)2"C.-4#3/0+1#6G
500A	(2) 2"C.-3#250+1#2G	(2) 2.5"C.-4#250+1#2G
600A	(2) 2.5"C.-3#350+1#1G	(2)3"C.-4#350+1#1G
800A	(3) 2.5"C.-3#4/0+1#1G	(3) 3"C.-4#4/0+1#1G/0
1000A	(3) 3"C.-3#4/0+1#2/0	(3) 3"C.-4#4/0+1#2/0
1200A	(6) 2"C.-3#250+1#2/0	(6) 2"C.-4#250+1#2/0
1600A	(5) 3"C.-3#4/0+1#4/0	(5) 3"C.-4#4/0+1#4/0
2000A	(6)3"C.-3#4/0+1#250	(6) 3"C.-4#4/0+1#250
2500A	(7) 3"C.-3#500+1#250	(7) 3"C.-4#500+1#250
3000A	(8)3"C.-3#500+1#4/0	(8) 3.5"C.-4#500+1#4/0

GENERAL NOTES:

A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.

B. CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-16 OF THE NEC FOR COPPER CONDUCTORS RATED 60 DEG C FOR 100A AND BELOW. AMPACITIES ARE BASED ON 75 DEG C FOR 125A AND ABOVE.

C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DURATION FACTORS REQUIRED BY CODE AND/OR ARE OVERSIZED FOR VOLTAGE DROP.

D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.

E. CONDUIT ABOVE GRADE INDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.

F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.

FLOOR BOX (FB) SCHEDULE			
TYPE	DESCRIPTION	FACEPLATE	COVER
FB2	3-GANG, 4 POWER, 2 DATA, RECESSED DUAL SERVICE FLOORBOX CAST IRON, ROUND WIREMOLD RESOURCE RFB4E SERIES OR APPROVED EQUAL	(2)DUPLEX FACEPLATE FOR POWER WIREMOLD RFB6DP OR APPROVED EQUAL (1) STYLELINE FACEPLATES FOR SIGNAL WIREMOLD RFB6GP, OR APPROVED EQUAL	FLUSH, FLANGED LID **BRUSHED ALUMINUM FINISH** **SUITABLE FOR TILE/CARPET INSTALLATION** WIREMOLD CT2 OR APPROVED EQUAL PROVIDE SILICON BEAD AROUND OUTER EDGE OF COVER TO SEAL FROM MOISTURE

PANELBOARD: LP1

LOCATION: ELECTRICAL 109
MOUNTING: SURFACE
MAINS TYPE:
MAINS AMPS: 400A
BUS AMPS:
FED FROM
VOLTAGE: 208Y/120 V, 3 ø 4 W.
A.I.C.: SEE SHORT CIRCUIT STUDY
SPECIAL:

#	BT	LOAD DESCRIPTION	LT	BKR	P	A		B		C		P	BKR	LT	LOAD DESCRIPTION	BT	#
1		PARKS STORAGE 108	RCPT	20 A	1	0.9	0.7					1	20 A	MTR	EF-1		2
3		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.7			1	20 A	MTR	EF-2		4
5		KITCHENETTE 107A	RCPT	20 A	1					0.2	0.7	1	20 A	MTR	EF-3		6
7		KITCHENETTE 107A	RCPT	20 A	1	0.2	0.0					1	20 A	MTR	W/H-1		8
9		KITCHENETTE 107A	RCPT	20 A	1			0.2	0.0			1	20 A	MTR	R-1		10
11		ELEC 109/CLASS 107	RCPT	20 A	1					0.7	0.0	1	20 A	MTR	CUH-1		12
13		CLASSROOM 107	MTR;...	20 A	1	0.9	0.0					1	20 A	MTR	CUH-2		14
15		LOBBY 101/M&S VEST	RCPT	20 A	1			1.1	0.0			1	20 A	MTR	UH-1		16
17		RESTROOMS/MECH 105	RCPT	20 A	1					0.7	18.3	3	100 A	MTR	GHP-1		18
19		KITCHENETTE 111	RCPT	20 A	1	0.2	18.3						--	--	--	--	20
21		KITCHENETTE 111	RCPT	20 A	1			0.2	18.3				--	--	--	--	22
23		KITCHENETTE 111	RCPT	20 A	1					0.2	0.8	3	20 A	MTR	FC-1		24
25		KITCHENETTE 111	RCPT	20 A	1	0.2	0.8						--	--	--	--	26
27		KITCHENETTE 111	RCPT	20 A	1			0.2	0.8				--	--	--	--	28
29		KITCHENETTE 111	RCPT	20 A	1					0.2	0.5	3	20 A	MTR	FC-2		30
31		MULTI 110/STOR 112	MTR;...	20 A	1	1.3	0.5						--	--	--	--	32
33		EXTERIOR	RCPT	20 A	1			0.2	0.5				--	--	--	--	34
35		EXTERIOR	RCPT	20 A	1					0.2	0.8	3	20 A	MTR	FC-3		36
37		EXTERIOR	RCPT	20 A	1	0.2	0.8						--	--	--	--	38
39		STORAGE 109/ ELEC 109	LTG	20 A	1			0.4	0.8				--	--	--	--	40
41		TOILET/ATTCH 107A	LTG	20 A	1					0.3	0.8	3	20 A	MTR	FC-4		42
43		MECHANICAL 105	LTG	20 A	1	0.2	0.8						--	--	--	--	44
45		N. VEST/N. EXTERIOR	LTG	20 A	1			0.2	0.8				--	--	--	--	46
47		S. VEST/S. EXTERIOR	LTG	20 A	1					0.2	0.5	1	20 A	RCPT	MULTIPURPOSE 110		48
49		CLASSROOM 107	LTG	20 A	1	1.7	0.0					1	20 A	--	SPARE		50
51		KITCHSTOR/MULTI...	LTG	20 A	1			0.5	0.0			1	20 A	--	SPARE		52
53		MULTIPURPOSE 110	LTG	20 A	1					1.7	0.0	1	20 A	--	SPARE		54
55		LOBBY 101	LTG	20 A	1	1.8	0.0					1	20 A	--	SPARE		56
57		P-1	MTR	20 A	3			2.0	0.0			1	20 A	--	SPARE		58
59	--	--	--	--	--					2.0	0.0	1	20 A	--	SPARE		60
61	--	--	--	--	--	2.0	0.0					1	20 A	--	SPARE		62
63		P-2	MTR	20 A	3			2.0	0.0			1	20 A	--	SPARE		64
65	--	--	--	--	--					2.0	0.0	1	20 A	--	SPARE		66
67	--	--	--	--	--	2.0	--					1	--	--	BLANK	--	68
69		P-3	MTR	20 A	3		3.7	--				1	--	--	BLANK	--	70
71	--	--	--	--	--					3.7	--	1	--	--	BLANK	--	72
73	--	--	--	--	--	3.7	--					1	--	--	BLANK	--	74
75		P-5	MTR	20 A	1			0.5	--			1	--	--	BLANK	--	76
77		FLOORBOX 107	RCPT	20 A	1					0.0	--	1	--	--	BLANK	--	78
79		FLOORBOX 110	RCPT	20 A	1	0.0	--					1	--	--	BLANK	--	80
81		MULTIPURPOSE 110	Other	20 A	1			0.0	--			1	--	--	BLANK	--	82
83		STORAGE 112	Other;...	20 A	1					0.4	--	1	--	--	BLANK	--	84
				TOTAL LOAD:		37 kVA		33 kVA		35 kVA							
				TOTAL AMPS:		308 A		276 A		290 A							

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED
LTG	7106 VA	125.00%	8882 VA
MTR	89082 VA	115.40%	102800 VA
Other	0 VA	0.00%	0 VA
RCPT	8820 VA	100.00%	8820 VA

PANEL TOTALS	
CONNECTED LOAD:	104907 VA
ESTIMATED DEMAND:	110756 VA
CONNECTED CURRENT:	290 A
EST. DEMAND CURRENT:	332 A

Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG - Lighting, MTR - Motor, RCPT - Receptacle
Breaker Types (BT): AF - Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered

NOTES:

GENERAL SHEET NOTES - POWER

A. SOME NOTES MAY NOT APPLY TO THIS SHEETS.
B. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.
C. COORDINATE DEVICE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.
D. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.
E. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.
F. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
G. GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX. DOWNSTREAM DEVICES SHALL NOT BE PROTECTED BY GFCI.
H. CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE.
I. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.
J. COORDINATE HEIGHTS OF ALL DEVICES WITH MILLWORK AND MODULAR FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.
K. OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).
L. ALL RECEPTACLES TO BE TAMPER RESISTANT.
M. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00
N. SEE MOTOR AND EQUIPMENT SCHEDULE ON SHEET E2.00.
O. REFER TO MECHANICAL SHEETS FOR EXACT MOTOR LOCATIONS.

GENERAL SHEET NOTES - LIGHTING

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.
B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.
C. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILING SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.
D. ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
E. SEE ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
F. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.
G. PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.
H. CIRCUIT NUMBERS AT DEVICES CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE. BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
I. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00.
J. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

NORMAL OPERATING LIGHT FIXTURE. FEED FIXTURE USING EXISTING LIGHTING CIRCUITRY FROM NORMAL PANEL.

SWITCHED EMERGENCY LIGHT. FEED FIXTURE FROM EMERGENCY PANEL XXX-X VIA EMERGENCY RELAY AS INDICATED ON PLAN.

UNSWITCHED EMERGENCY LIGHT (NIGHT LIGHT). FEED FIXTURE FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL XXX-X.

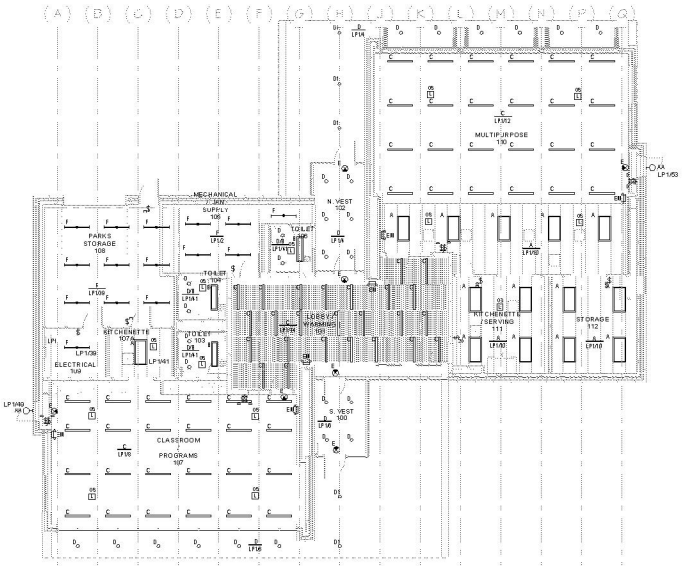
EMERGENCY LIGHTING UNIT AND EXIT LIGHT. FEED FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL XXX-X

FIXTURE TYPE
FIXTURE NOTES
RELAY #/ PANEL CIRCUIT #
SWITCHING SCHEME

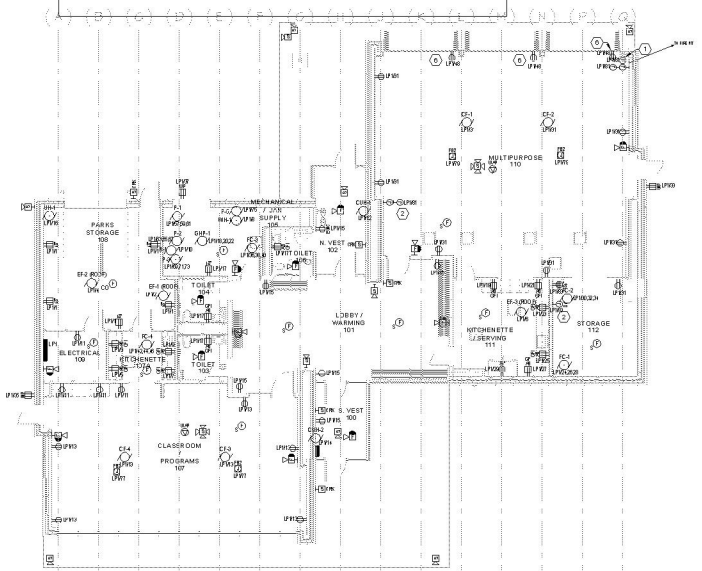
1. MAXIMUM ALLOWABLE WATTAGE FOR A LIGHTING CIRCUIT WILL NOT EXCEED 3600 (277V) OR 1800 (120V) WATTS.
2. REFER TO DIVISION 23 SPECIFICATIONS FOR MORE INFORMATION ON BAS LIGHTING CONTROLS.

KEYED SHEET NOTES

1. PROVIDE EQ-4 HOUR TIMER SWITCH FOR CONTROL OF EXTERIOR FIRE PIT.
2. PROVIDE 3/4" CONDUIT WITH PULL STRING FROM JUNCTION BOX TO NEAREST ACCESSIBLE CEILING SPACE.
3. RPOVIDE 3/4" CONDUIT WITH PULL STRING BETWEEN JUNCTION BOXES.
4. PROVIDE BATTERY BACK UP. BATTERY SHALL BE MOUNTED IN THE VESTIBULE, ABOVE CEILING.
5. PROVIDE SINGLE GANG JUNCTION BOX FOR MOTORIZED SCREEN CONTROL AT SWITCH HIGHT, PROVIDE 2ND JUNCTION BOX AT 90" WITH BLANK COVER PLATE. PROVIDE 1/2 CONDUIT WITH PULL STRING BETWEEN JUNCTION BOXES.
6. PROVIDE RECEPTACLE FOR MOTORIZED SCREEN. REFER TO ARCHITECTURAL DETAILS FOR MOUNTING HEIGHT. INSTALL RECEPTACLE PER MANUFACTURES RECOMMENDATIONS.



F1 LIGHTING PLAN
1/8" = 1'-0"



F4 POWER & SYSTEMS PLAN
1/8" = 1'-0"

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License Number: 43936 — BRADLEY R. JOHANNSEN — Date: Issue Date

Revisions		
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Drawn: D.PETERSON
Check: S.MCNAMARA

North

LIGHTING / POWER & SYSTEMS PLAN

Scale: As indicated

E1.00

MOTOR SCHEDULE

LOAD INFORMATION							CONDUIT			WIRE QUANTITY AND SIZE				WIRE TYPE		STARTER				DISCONNECT					CTRL'S BY	NOTES	MTR
MTR	DESCRIPTION	LOC	LOAD	UNIT	VOLTAGE	PANEL	SET(S)	SIZE	TYPE	P+N	PHASE	NEUT	GND	TYPE	INS-UL	SUPPLIED	INSTALLED	SIZE	LOC	SUPPLIED	INSTALLED	TYPE	TYPE	LOC			
B-1	BOILER	MECHANICAL/GAN SUPPLY 105		HP	120/1		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		B-1
EF-1	EXHAUST FAN	ROOF	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		EF-1
EF-2	EXHAUST FAN	ROOF	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		EF-2
EF-3	EXHAUST FAN	ROOF	1/4	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		EF-3
WH-1	WATER HEATER	MECHANICAL/GAN SUPPLY 105		HP	120/1		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	#N/A	MTR	MECH		WH-1
CF-1	CEILING FAN	MULTIPURPOSE 110	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	VTR	MECH		CF-1
CF-2	CEILING FAN	MULTIPURPOSE 110	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	VTR	MECH		CF-2
CF-3	CEILING FAN	CLASSROOM/PROGRAMS 107	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CF-3
CF-4	CEILING FAN	CLASSROOM/PROGRAMS 107	0.022	KVA	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		CF-4
UH-1	UNIT HEATER	PARKS STORAGE 109		HP	120/1		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	#N/A	MTR	MECH		UH-1
CUH-1	CABINET UNIT HEATER	NORTH VESTIBULE 102		HP	120/1		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	#N/A	MTR	MECH		CUH-1
CUH-2	CABINET UNIT HEATER	SOUTH VESTIBULE 100		HP	120/1		#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	#N/A	MTR	MECH		CUH-2
P-1	PUMP	MECHANICAL/GAN SUPPLY 105	5	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 1	MTR	ELEC	ELEC	FS	30A	MTR	MECH		P-1
P-2	PUMP	MECHANICAL/GAN SUPPLY 105	5	HP	208/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 1	MTR	ELEC	ELEC	FS	30A	MTR	MECH		P-2
P-3	PUMP	MECHANICAL/GAN SUPPLY 105	10	HP	208/3		1	3/4"	EMT	3	8 AWG		10 AWG	CU	THHN	ELEC	ELEC	SIZE 2	MTR	ELEC	ELEC	FS	60A	MTR	MECH		P-3
P-4	PUMP		10	HP	208/3		1	3/4"	EMT	3	8 AWG		10 AWG	CU	THHN	ELEC	ELEC	SIZE 2	MTR	ELEC	ELEC	FS	60A	MTR	MECH		P-4
P-5	PUMP	MECHANICAL/GAN SUPPLY 105	1/6	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-5
P-6	PUMP		1/6	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-6
P-7	PUMP		1/6	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-7
P-8	PUMP		1/6	HP	120/1		1	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-8
P-9	PUMP		1/4	HP	120/1		1	3/4"	EMT	3	12 AWG	12 AWG	12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		P-9
FC-1	FAN COIL UNIT	STORAGE 112	1	HP	460/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		FC-1
FC-2	FAN COIL UNIT	STORAGE 112	3/4	HP	208/1		1	3/4"	EMT	2	12 AWG		12 AWG	CU	THHN	ELEC	ELEC		MTR	ELEC	ELEC	MMS	15A	MTR	MECH		FC-2
FC-3	FAN COIL UNIT	MECHANICAL/GAN SUPPLY 105	1 1/2	HP	460/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		FC-3
FC-4	FAN COIL UNIT	KIT CHENETTE 107A	1 1/2	HP	460/3		1	3/4"	EMT	3	12 AWG		12 AWG	CU	THHN	ELEC	ELEC	SIZE 00	MTR	ELEC	ELEC	FS	30A	MTR	MECH		FC-4
GHP-1	GEOTHERMAL HEAT PUMP	MECHANICAL/GAN SUPPLY 105	66	MCA	460/3		1	1"	EMT	3	4 AWG		8 AWG	CU	THHN	MFR	MFR		MTR	ELEC	ELEC	FS	100A	MTR	MECH		GHP-1

GENERAL NOTES:
A. ALL FUSE SIZES/BREAKER TRIPS ARE ESTIMATED. CONTRACTOR TO FIELD VERIFY INSTALLED MOTOR REQUIREMENTS.

KEYED NOTES:
1. ELEVATOR GROUND SHALL BE FULLY SIZED.

LUMINAIRE SCHEDULE

LETTER	LUMINAIRE TYPE	LUMENS/WATTS	VOLT	MOUNTING	LENS / LOUVER	OTHER REQUIREMENTS	MANUF. & SERIES	SPARES	NOTES
A	RECESSED 2X4 TROFFER	35W, LED, 80 CRI, 3500K, 4000 LUMENS	MVOLT	RECESSED (GRID)	MATTE WHITE ENAMEL FINISH	0-10V DIMMING	LITHONIA: ENVEX SERIES METALUX: 24ID SERIES VISCOR: OCRV SERIES		
B	RECESSED 1X4 TROFFER	16W, LED, 80 CRI, 3500K, 2000 LUMENS	MVOLT	RECESSED (GRID)	MATTE WHITE ENAMEL FINISH	0-10V DIMMING	LITHONIA: ENVEX SERIES METALUX: 14ID SERIES VISCOR: OCRV SERIES		
C	4' LINEAR LED	18W, LED, 80 CRI, 3500K, 1000 LMF	MVOLT	AIR CRAFT CABLE SUSPENDED	EXTRUDED ACRYLIC	0-10V DIMMING	MARK LIGHTING: SLA1D SERIES AXIS LIGHTING: BEAM 3 SERIES STARTEK: BEAMDI SERIES		
D	6" ROUND LED DOWNLIGHT	LED, 90 CRI, 3500K, 1500 LUMENS	MVOLT	RECESSED (GRID)	SEMI-SPECULAR CLEAR	0-10V DIMMING	GOTHAM: EVO SERIES HALO COMM: HC6 SERIES LIGHTOLIER: 6RN SERIES		
D1	6" ROUND LED DOWNLIGHT WITH BATTERY BACKUP	LED, 80 CRI, 3500K, 4000 LUMENS	MVOLT	RECESSED (GRID)	SEMI-SPECULAR CLEAR	0-10V DIMMING BATTERY BACKUP	GOTHAM: EVO SERIES HALO COMM: HC6 SERIES LIGHTOLIER: 6RN SERIES		
E	EXIT SIGN	LED, <5W	MVOLT	CEILING MOUNTED	HIGH IMPACT ACRYLIC PANEL		LITHONIA: EDGR SERIES SURE-LITES: EUX7 SERIES ABB (EMERGI-LITE): PN SERIES		
EM	EMERGENCY WALL PACK	LED	MVOLT	WALL MOUNTED		SELF DIAGNOSTICS	LITHONIA: AFF SERIES SURE-LITES: SELD SERIES ABB (EMERGI-LITE): SD SERIES		
F	4' INDUSTRIAL STRIP	41W, LED, 80 CRI, 3500K, 5300 LUMENS	MVOLT	AIR CRAFT CABLE SUSPENDED	SEMI-FROST LENS- NARROW	0-10V DIMMING	LITHONIA: ZL1N S SERIES METALUX: SNLED SERIES DAYBRITE: SDS SERIES		
AA	WALL PACK	27W, LED, 80CRI, 4000K, 3500 LUMENS	MVOLT	WALL MOUNTED	FULL CUTOFF	COLD WEATHER BATTERY PACK	LITHONIA: WDGE2LED SERIES LUMARK: AXCS3A SERIES BROWNLEE: 7002 SERIES		

LUMINAIRE SCHEDULE GENERAL NOTES
A. ALL DIMMABLE LUMINAIRES SHALL BE CAPABLE OF DIMMING TO 1%.

LUMINAIRE SCHEDULE NUMBERED NOTES
1. SEE PLAN FOR FIXTURE LENGTH.
2. PROVIDE (20) SPARE DRIVERS.
3. PROVIDE (5) SPARE DRIVERS.

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

222064

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

License Number: BRADLEY R. JOHANNSEN 43936
Date: Issue Date

Revisions		
Description	Date	Num

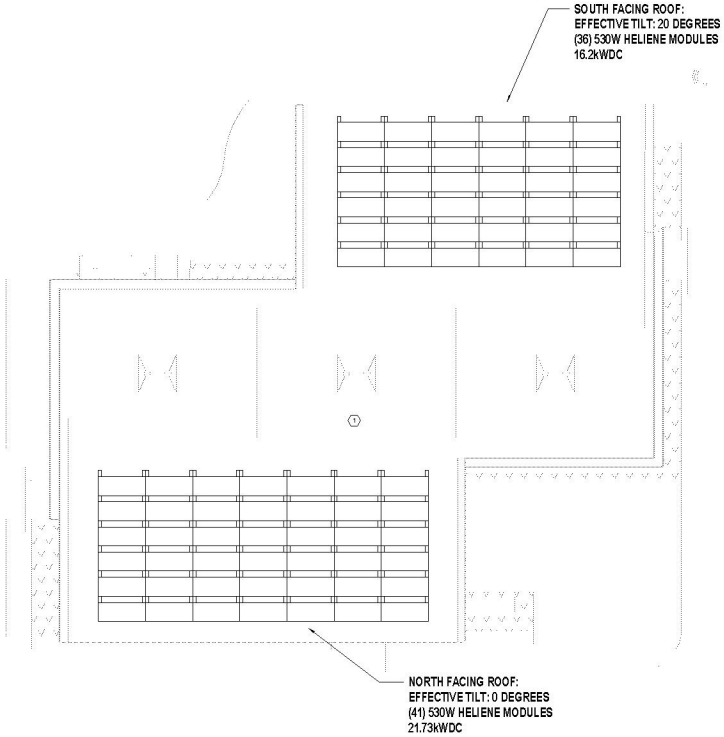
Comm: 222064
Date: Issue Date
Drawn: D PETERSON
Check: S MCNAMARA

North

MOTOR AND LUMINAIRE SCHEDULE

Scale: 12" = 1'-0"

E2.00



UTILITY NOTES:

1. UTILITY SHALL MAKE 24/7, UNESCORTED, KEYLESS ACCESS TO METER AND DISCONNECT.
2. SOLAR SYSTEM DOES NOT INTERFERE WITH EXISTING SERVICE CLEARANCES.
3. INTERCONNECTION TO BE SECONDARY.
4. METERS AND DISCONNECT TO BE WITHIN 10'0 F EACH OTHER.

INSTALLATION NOTES:

1. CONTRACTOR TO FURNISH AND INSTALL SLIP SHEETS OF SIMILAR ROOF MATERIAL UNDER ALL POINTS OF CONTACT BETWEEN PV RACKING AND ROOFTOP.
2. IF ROCK BALLAST IS PRESENT ON ROOFTOP, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING PRIOR TO PV INSTALLATION.
3. ELECTRICALLY AND MECHANICALLY FEASIBLE AND NO NOT SHADE THE PV ARRAY.
4. CONTRACTOR TO ENSURE ADJACENT MODULES HAVE 1/2" TO 1" GAP FOR THERMAL EXPANSION.
5. INSTALLATION SHALL COMPLY WITH NFPA 70 NEC 2020.

PROJECT SPECIFICATIONS	
SYSTEM SIZE DC	40.81 kW
SYSTEM SIZE AC	35 kW
DC / AC RATIO	1.17
TILT	10°
AZIMUTH	180
MODULE	(77) HELIENE 144HC M10 530W BIFACIAL
MLPE	TBD
INVERTER	TBD
RACKING TYPE	BALLASTED ROOFMOUNT
RACKING MFG	UNIRAC RM10 EVO
DESIGN CRITERIA	
MAX VOLTAGE	1000 VDC
BUILDING HEIGHT	20'
MIN/MAX TEMP	-28°C / 32°C
UTILITY INFORMATION	
UTILITY NAME	XCEL ENERGY

KEYED NOTES:

1. ALTERNATE NUMBER 1: PROVIDE FULLY OPERATIONAL PHOTOVOLAITC SYSTEM.

GLACIAL VALLEY PARK BUILDING

9900 RAVINE PKWY S
COTTAGE GROVE, MN 55016

CITY OF COTTAGE GROVE
8635 W POINT DOUGLAS RD S
COTTAGE GROVE, MN 55016

WOLD ARCHITECTS AND ENGINEERS
333 Minnesota Street, Suite W2000
Saint Paul, MN 55101
wold.com | 651.227.7775

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed PROFESSIONAL ENGINEER under the laws of the State of MINNESOTA

License Number: BRADLEY R. JOHANNSEN 43936 Date: 09/8 Issue Date

Revisions		
Description	Date	Num

Comm: 22064
Date: Issue Date
Drawn: D.PETERSON
Check: S.MCNAMARA

North

ROOF PLAN - SOLAR PANEL

Scale: 1/8" = 1'-0"

E3.00

SECTION 00 01 01
PROJECT TITLE PAGE

P R O J E C T M A N U A L

PROJECT IDENTIFICATION

BIDDING REQUIREMENTS

CONDITIONS OF THE CONTRACT

GENERAL REQUIREMENTS

AND SPECIFICATIONS

FOR

GLACIAL VALLEY PARK BUILDING
9900 RAVINE PARKWAY SOUTH
COTTAGE GROVE, MINNESOTA 55016

CITY OF COTTAGE GROVE
12800 RAVINE PARKWAY SOUTH
COTTAGE GROVE, MINNESOTA 55016

BID TIME: 2:00 p.m.

BID DATE: November 17, 2022

BID PLACE:
Cottage Grove City Hall, Council Chambers
12800 Ravine Parkway South
Cottage Grove, Minnesota 55016

ISSUE DATE: October 26, 2022

END OF SECTION 00 01 01

SECTION 00 01 03
PROJECT DIRECTORY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Identification of project team members and their contact information.

1.02 OWNER:

A. Name: City of Cottage Grove
   1. Address: 12800 Ravine Parkway South, Cottage Grove, Minnesota 55016

B. Project Coordinator: Zac Dockter
   1. Address: 8635 West Point Douglas Road South, Cottage Grove, Minnesota 55016

1.03 CONSULTANTS:

A. Architect:
   1. Company Name: Wold Architects and Engineers.
      a. Address: 332 Minnesota Street, Suite W2000, St. Paul, Minnesota 55101
      b. Telephone: (651) 227-7773

B. Civil Engineering Consultant:
   1. Company Name: Bolton & Menk
      a. Address: 7575 Golden Valley Rd Suite 200, Minneapolis, Minnesota 55427
      b. Telephone: (763) 478-3606

C. Structural Engineering Consultant:
   1. Company Name: BKBM Engineers
      a. Address: 6120 Earle Brown Dr #700, Minneapolis, Minnesota 55430
      b. Telephone: (762) 843-0420

D. Mechanical Engineering
   1. Company Name: Wold Architects and Engineers.
      a. Address: 332 Minnesota Street, Suite W2000, St. Paul, Minnesota 55101
      b. Telephone: (651) 227-7773

E. Electrical Engineering Consultant:
   1. Company Name: Wold Architects and Engineers.
      a. Address: 332 Minnesota Street, Suite W2000, St. Paul, Minnesota 55101
      b. Telephone: (651) 227-7773

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION 00 01 03

SECTION 00 01 05
CERTIFICATIONS PAGE
Glacial Valley Park Building
City of Cottage Grove

Architect: Wold Architects and Engineers

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision, and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature: _____
Typed Name: John McNamara
Registration: 24281
Date Signed: October 26, 2022

Civil Engineer: Bolton & Menk

I hereby certify that this plan, specification or report was prepared by or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: _____
Typed Name: Jay Pomeroy
Registration: [_____]
Date Signed: October 26, 2022

Structural Engineer: BKBM Engineers

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: _____
Typed Name: Matthew Ricker
Registration: [_____]
Date Signed: October 26, 2022

Mechanical Engineer: Wold Architects and Engineers

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: _____
Typed Name: Kevin Marshall
Registration: 23989
Date Signed: October 26, 2022

Electrical Engineer: Wold Architects and Engineers

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature: _____
Typed Name: Bradley Johannsen
Registration: 43936
Date Signed: October 26, 2022

END OF SECTION 00 01 05

SECTION 00 01 10

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SECTION 00 31 32
GEOTECHNICAL DATA
GLACIAL VALLEY PARK BUILDING

1.01 SCOPE

A The information on soil data was obtained primarily for use in preparing the foundation design. However, each Contractor shall draw their own conclusions therefrom. No responsibility is assumed by the Owner or the Architect for subsoil quality or conditions.

1.02 INVESTIGATIONS

A A subsurface investigation has been made and reports prepared by Braun Intertec Corporation Report # B2204889 are attached

1.03 CONDITIONS

A Boring information is provided in good faith solely for the purpose of placing each Bidder in receipt of information available to the Owner, and each Bidder is responsible for any conclusions which he draws therefrom, since the Owner does not guarantee continuity of the conditions indicated at the boring locations.

B Each Bidder is expected to make their own investigations, to examine the site and record of the Owner's investigations, and then decide for themselves the character of materials to be encountered. Prior to bidding, bidders may make their own subsurface investigations to satisfy themselves as to site and subsurface conditions but such subsurface investigations shall be performed only under arrangements approved in advance by the Architect.

END OF SECTION 00 31 32

Geotechnical Evaluation Report

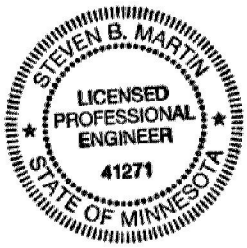
Glacial Valley Park Shelter Building
Ravine Parkway and Joilet Avenue South
Cottage Grove, Minnesota

Prepared for

City of Cottage Grove

Professional Certification:
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

Steven B. Martin, PE
Senior Engineer
License Number: 41271
June 30, 2022



Project B2204889

Braun Intertec Corporation

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June 30, 2022 Project B2204889

City of Cottage Grove
c/o: Jacob Wollensak (Wold Architects and Engineers)
12800 Ravine Parkway South
Cottage Grove, MN 55016

Re: Geotechnical Evaluation
Glacial Valley Park Shelter Building
Ravine Parkway and Joilet Avenue South
Cottage Grove, Minnesota

Dear Mr. Wollensak:

We are pleased to present this Geotechnical Evaluation Report for the proposed shelter at Glacial Valley Park in Cottage Grove, Minnesota.

Thank you for making Braun Intertec your geotechnical consultant for this project. If you have questions about this report, or if there are other services that we can provide in support of our work to date, please contact Steve Martin at 651.487.7026 (smartin@braunintertec.com).

Sincerely,

BRAUN INTERTEC CORPORATION

Steven B. Martin, PE
Senior Engineer

Chad R. Lukkarila, PE
Technical Leader, Senior Engineer

c: Mr. Jay Pomeroy, Bolton and Menk, Inc.

AA/EOE

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Appendix

Soil Boring Location Sketch
Log of Boring Sheets ST-1 and ST-2
Descriptive Terminology of Soil

A. Introduction

A.1. Project Description

This Geotechnical Evaluation Report addresses the proposed design and construction of the Shelter Building within the Glacial Valley Park located at Ravine Parkway and Joilet Avenue South in Cottage Grove, Minnesota. The Shelter will be located within the south central portion of the park. Mass grading is currently in progress for the soccer field, pickleball courts, hockey rink and softball/baseball field. Table 1 provides project details.

Table 1. Building Description

Aspect	Description
Below grade levels	None (Provided)
Above grade levels	One (Provided)
Finished floor elevation	918.0 (Provided)
Column loads (kips)	Max of 150 (Assumed)
Nature of construction	Concrete Spread footings with piers supporting a manufactured structure (Provided)
Cuts or fills for buildings	Within 3 feet of existing grades (Provided)
Tolerable building settlement	1 inch total; ½ inch differential (Assumed)

The figure below shows an illustration of the proposed site layout.

Figure 1. Site Layout

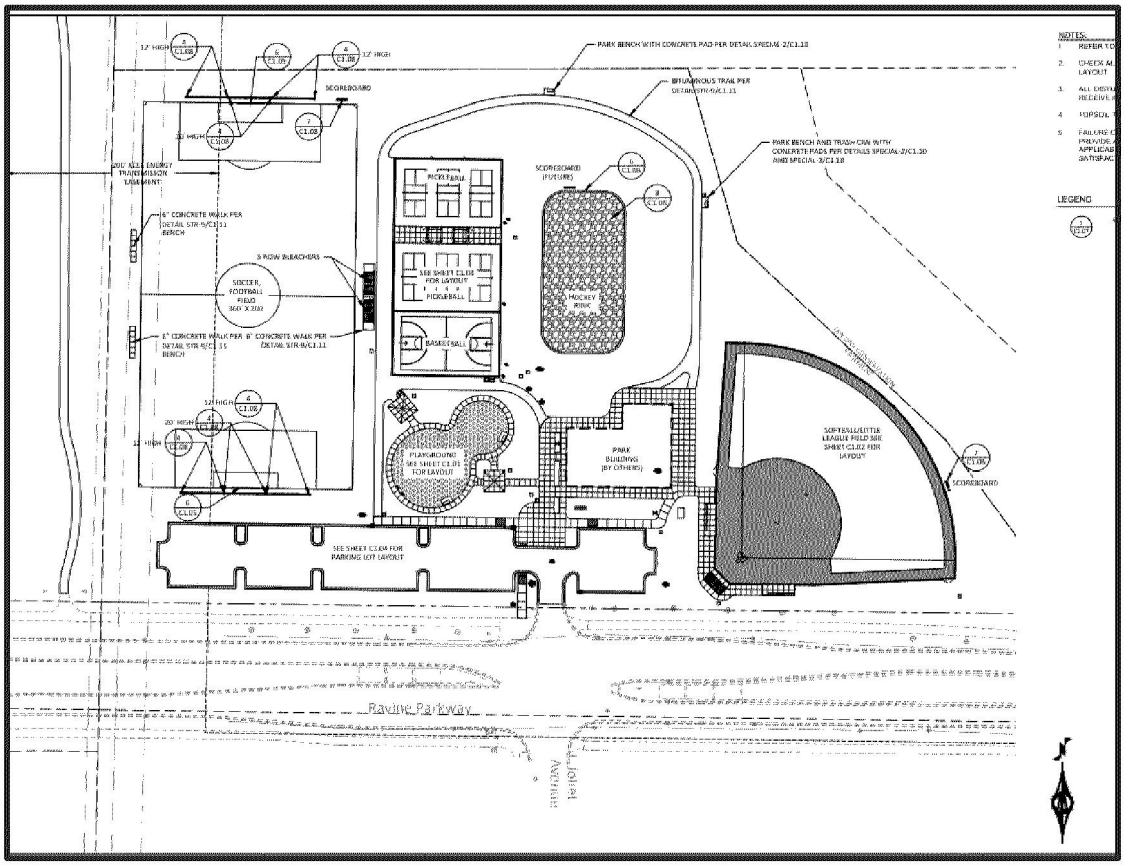


Figure provided by Bolton and Menk, Inc. dated March 31, 2022

A.2. Site Conditions and History

Currently, the site is being graded as the preparation of the fields, the parking lot and hard surface courts are being constructed. Prior to this development, the site was used for agricultural purposes.

Current grades at the boring locations range from 916 1/2 to 919.

Photograph 1. Aerial Photograph of the Site in 2020

Photograph provided by Google.

A.3. Purpose

The purpose of our geotechnical evaluation was to characterize subsurface geologic conditions at selected exploration locations, evaluate their impact on the project, and provide geotechnical recommendations for the design and construction of structures.

A.4. Background Information and Reference Documents

We reviewed the following information:

- Geologic Atlas of Washington County by Swanson and Meyer dated 1990.
- Civil Plans prepared by Bolton and Menk, Inc. and dated March 31, 2022.

In addition to the provided sources, we have used several publicly available sources of information.

We have described our understanding of the proposed construction and site to the extent others reported it to us. Depending on the extent of available information, we may have made assumptions based on our experience with similar projects. If we have not correctly recorded or interpreted the project details, the project team should notify us. New or changed information could require additional evaluation, analyses and/or recommendations.

A.5. Scope of Services

We performed our scope of services for the project in accordance with our Proposal QTB159097 dated May 19, 2022. The following list describes the geotechnical tasks completed in accordance with our authorized scope of services.

- Reviewing the background information and reference documents previously cited.
- Staking and clearing the exploration location of underground utilities. The Design Team selected and we staked the exploration locations. We acquired the surface elevations and locations with GPS technology using the State of Minnesota's permanent GPS base station network. The Soil Boring Location Sketch included in the Appendix shows the approximate locations of the borings.
- Performing 2 standard penetration test (SPT) borings, denoted as ST-1 to ST-2, to nominal depths of 20 feet below grade across the site.
- Performing laboratory testing on select samples to aid in soil classification and engineering analysis.
- Perform engineering analysis including bearing capacity and settlement estimates.
- Preparing this report containing a boring location sketch, logs of soil borings, a summary of the soils encountered, results of laboratory tests, and recommendations for structure and pavement subgrade preparation and the design of the shelter foundations and slabs and exterior slabs/sidewalks providing access to the shelter.

Our scope of services did not include environmental services or testing and our geotechnical personnel performing this evaluation are not trained to provide environmental services or testing. We can provide environmental services or testing at your request.

B. Results

B.1. Geologic Overview

The native soils in this area consist of glacial outwash soils associated with Superior Lobe (Cromwell Formation). The glacial outwash consists of sand, loamy sand and gravel.

We based the geologic origins used in this report on the soil types, in-situ and laboratory testing, and available common knowledge of the geological history of the site. Because of the complex depositional history, geologic origins can be difficult to ascertain. We did not perform a detailed investigation of the geologic history for the site.

B.2. Boring Results

Table 2 provides a summary of the soil boring results, in the general order we encountered the strata. Please refer to the Log of Boring sheets in the Appendix for additional details. The Descriptive Terminology sheets in the Appendix include definitions of abbreviations used in Table 2.

Table 2. Subsurface Profile Summary*

Strata	Soil Type - ASTM Classification	Range of Penetration Resistances	Commentary and Details
Topsoil fill	SM, SC, CL	---	▪ Dark brown to black. ▪ Thicknesses at boring locations varied from 4 to 5 inches. ▪ Moisture condition generally moist.
Glacial Outwash	SP	6 to 26 BPF	▪ Moisture condition generally moist. ▪ Varying amounts of gravel.

*Abbreviations defined in the attached Descriptive Terminology sheets.

For simplicity in this report, we define existing fill to mean existing, uncontrolled or undocumented fill.

B.3. Groundwater

We did not observe groundwater while advancing our borings. Therefore, it appears that groundwater is below the depths explored. Project planning should anticipate seasonal and annual fluctuations of groundwater.

B.4. Laboratory Test Results

The moisture content of the glacial soils varied from approximately 2 to 4 percent, indicating that the material was below their probable optimum moisture contents.

Our mechanical analyses indicated that the sample tested contained 3 percent silt and clay by weight.

C. Recommendations

C.1. Site Grading and Subgrade Preparation

C.1.a. Building Subgrade Excavations

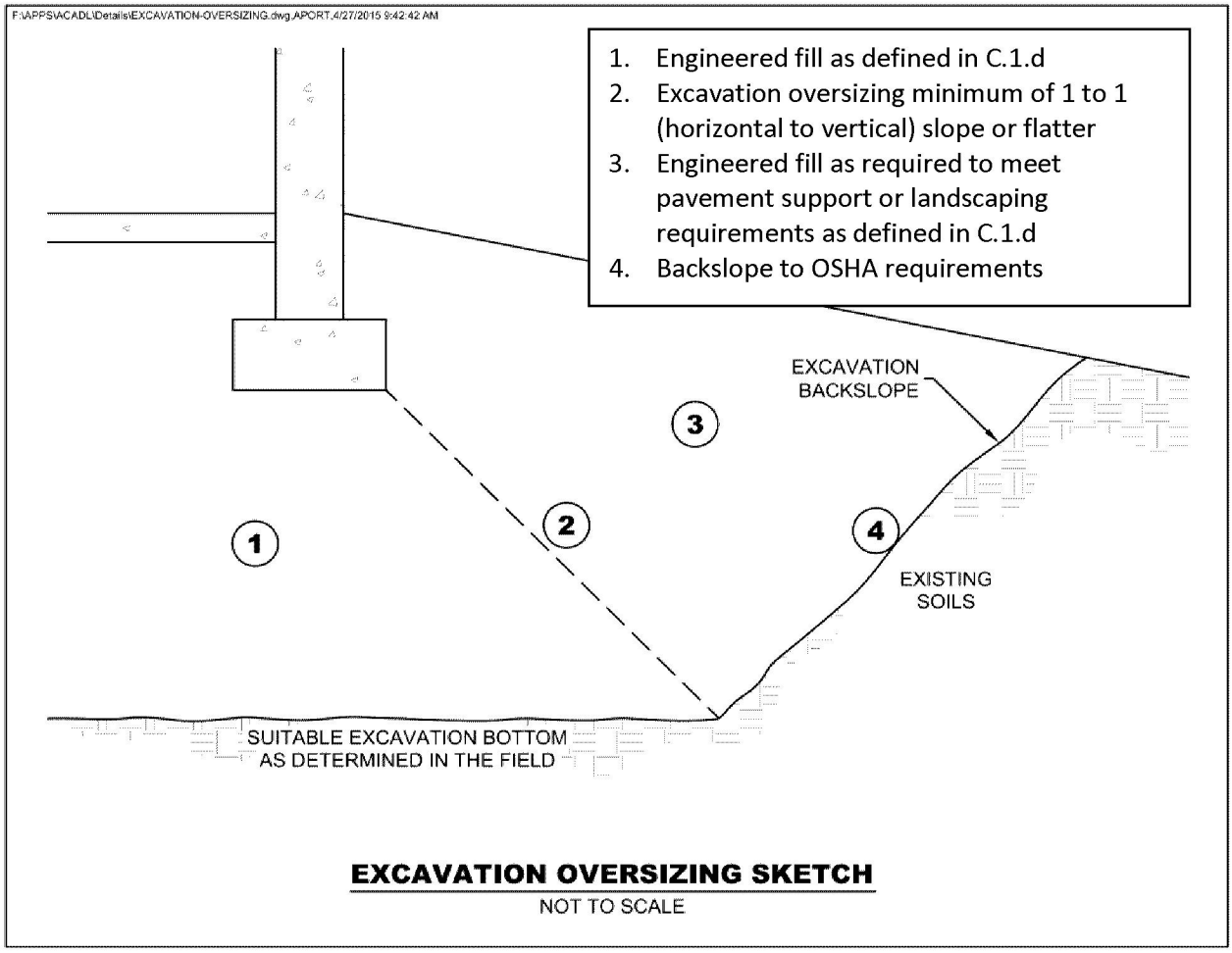
We recommend removing surface vegetation, root zones and topsoil below the proposed building and their oversize areas. Based on the borings, we do not anticipate soil corrections below the proposed footing elevations. We also recommend having a geotechnical engineer, or an engineering technician working under the direction of a geotechnical engineer, (geotechnical representative) evaluate the suitability of exposed subgrade soils to support the proposed structure.

Prior to the placement of engineered fill or footings, we recommend surface compacting the exposed soils in the bottoms of the excavations with a minimum of five passes by a large (minimum diameter of 3 1/2 feet), smooth-drum compactor. Areas that yield or pump during surface compaction may require additional compaction or subcutting.

C.1.b. Excavation Oversizing

When removing unsuitable materials below structures or pavements, we recommend the excavation extend outward and downward at a slope of 1H:1V (horizontal:vertical) or flatter. See Figure 2 for an illustration of excavation oversizing.

Figure 2. Generalized Illustration of Oversizing



C.1.c. Excavated Slopes

Based on the borings, we anticipate on-site soils in excavations will consist of glacial sands. These soils are typically considered Type C Soil under OSHA (Occupational Safety and Health Administration) guidelines. OSHA guidelines indicate unsupported excavations in Type C soils should have a gradient no steeper than 1 1/2H:1V. Slopes constructed in this manner may still exhibit surface sloughing. OSHA requires an engineer to evaluate slopes or excavations over 20 feet in depth.

An OSHA-approved qualified person should review the soil classification in the field. Excavations must comply with the requirements of OSHA 29 CFR, Part 1926, Subpart P, "Excavations and Trenches." This document states excavation safety is the responsibility of the contractor. The project specifications should reference these OSHA requirements.

C.1.d. Engineered Fill Materials and Compaction

Table 3 below contains our recommendations for engineered fill materials.

Table 3. Engineered Fill Materials*

Locations To Be Used	Engineered Fill Classification	Possible Soil Type Descriptions	Gradation	Additional Requirements
▪ Below foundations ▪ Below interior slabs	Structural fill	SP	100% passing 2-inch sieve <5% passing #200 sieve	< 2% Organic Content (OC)
▪ Below exterior slabs/sidewalks	Exterior fill	SP, SP-SM	100% passing 1-inch sieve < 12% passing #200 sieve	< 2% OC
Below landscaped surfaces, where subsidence is not a concern	Non-structural fill	SP, SP-SM, SM, SC	100% passing 6-inch sieve	< 10% OC

We recommend spreading engineered fill in loose lifts of approximately 8 inches thick. We recommend compacting engineered fill in accordance with the criteria presented below in Table 4. The project documents should specify relative compaction of engineered fill, based on the structure located above the engineered fill, and vertical proximity to that structure.

Table 4. Compaction Recommendations Summary

Reference	Relative Compaction, percent (ASTM D698 – Standard Proctor)	Moisture Content Variance from Optimum, percentage points	
		< 12% Passing #200 Sieve (typically SP, SP-SM)	> 12% Passing #200 Sieve (typically CL, SC, ML, SM)
Below foundations and oversizing zones and shelter slabs	98	> 5%	Not allowed
Below exterior slabs/sidewalks	95	> 5%	Not allowed
Below landscaped surfaces	90	±5	±4

The project documents should not allow the contractor to use frozen material as engineered fill or to place engineered fill on frozen material. Frost should not penetrate under foundations during construction.

We recommend performing density tests in engineered fill to evaluate if the contractors are effectively compacting the soil and meeting project requirements.

C.1.e. Special Inspections of Soils

We recommend including the site grading and placement of engineered fill within the building pad under the requirements of Special Inspections, as provided in Chapter 17 of the International Building Code, which is part of the Minnesota State Building Code. Special Inspection requires observation of soil conditions below engineered fill or footings, evaluations to determine if excavations extend to the anticipated soils, and if engineered fill materials meet requirements for type of engineered fill and compaction condition of engineered fill. A licensed geotechnical engineer should direct the Special Inspections of site grading and engineered fill placement. The purpose of these Special Inspections is to evaluate whether the work is in accordance with the approved Geotechnical Report for the project. Special Inspections should include evaluation of the subgrade, observing preparation of the subgrade (surface compaction or dewatering, excavation oversizing, placement procedures and materials used for engineered fill, etc.) and compaction testing of the engineered fill.

C.2. Spread Footings

Table 5 below contains our recommended parameters for foundation design.

Table 5. Recommended Spread Footing Design Parameters

Item	Description
Maximum net allowable bearing pressure (psf)	4,000
Minimum factor of safety for bearing capacity failure	3.0
Minimum width (inches)	36
Minimum embedment below final exterior grade for unheated structures or for footings not protected from freezing temperatures during construction (inches)	60
Total estimated settlement (inches)	< 1
Differential settlement	Typically about 2/3 of total settlement

C.3. Shelter Slabs

C.3.a. Subgrade Preparation

We recommend removing surface vegetation, root zones and topsoil from below the interior slab. The glacial outwash soils consist of poorly graded sand that contain less than 5 percent passing the #200 sieve. Those soils are considered to be non-frost susceptible (NFS) and are ideal for supporting the interior slab as they will not experience frost heave. If areas of soils containing more than 5 percent passing the #200 are encountered within the shelter footprint, those soils should be removed and be replaced with soils containing less than 5% passing the #200 sieve.

Prior to placing engineered fill or the shelter slab, the exposed subgrade soils should be surface compacted with a large smooth drummed roller.

C.3.b. Subgrade Modulus

The anticipated floor subgrade will be compacted glacial outwash slabs. We recommend using a modulus of subgrade reaction, k, of 175 pounds per square inch per inch of deflection (pci) to design the slabs. If the slab design requires placing 4 inches of compacted crushed aggregate base immediately below the slab, the slab design may increase the k-value by 25 pci. We recommend that the aggregate base materials be free of bituminous. In addition to improving the modulus of subgrade reaction, an aggregate base facilitates construction activities and is less weather sensitive.

C.4. Lateral Earth Parameters

Table 6 presents our recommended lateral coefficients and equivalent fluid pressures for wall design of active, at-rest and passive earth pressure conditions. The table also provides recommended wet unit weights and internal friction angles. Designs should also consider the slope of any engineered fill and dead or live loads placed behind the walls within a horizontal distance that is equal to the height of the walls. Our recommended values assume the wall design provides drainage so water cannot accumulate behind the walls. The construction documents should clearly identify what soils the contractor should use for engineered fill of walls.

Table 6. Recommended Lateral Earth Design Parameters – Drained Conditions

Retained Soil	Wet Unit Weight (pcf)	Friction Angle (degrees)	Active Lateral Coefficient/ Equivalent Fluid Pressure (pcf)	At-Rest Lateral Coefficient/ Equivalent Fluid Pressure (pcf)	Passive Lateral Coefficient/ Equivalent Fluid Pressure* (pcf)
SP	120	30	0.33/40	0.5/60	3.33/400

Sliding resistance between the bottom of the footing and the soil can also resist lateral pressures. We recommend assuming a sliding coefficient equal to 0.45 between the concrete and soil.

The values presented in this section are un-factored.

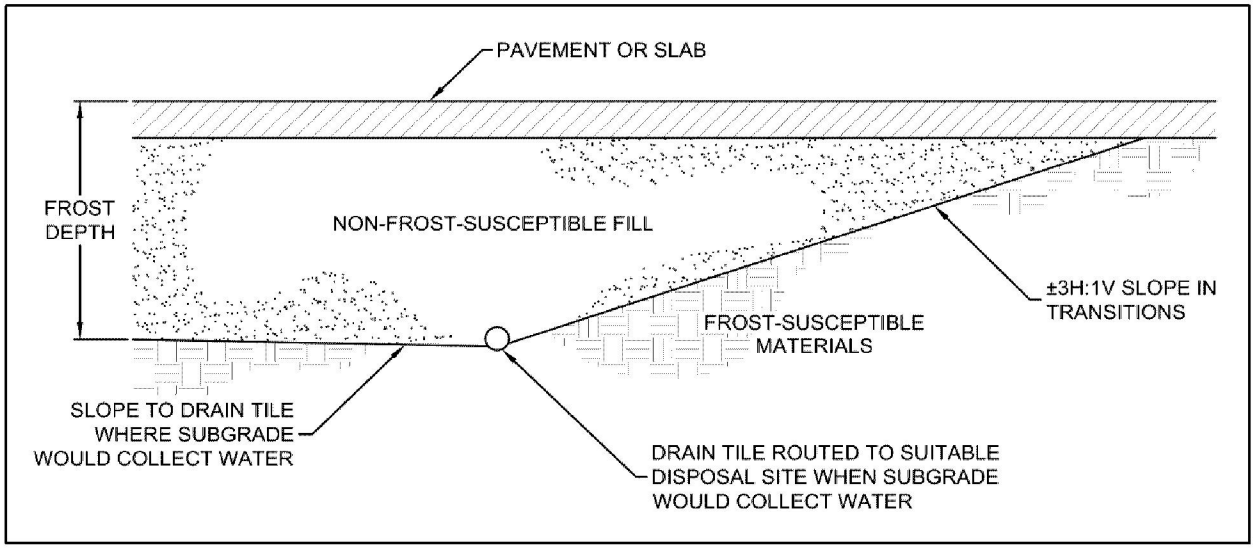
C.5. Frost Protection

We consider the topsoil to be slightly frost susceptible. While the proposed construction will remove the majority of these soils, unfavorable amounts of heaving could occur if these soils become saturated and freeze. Grading to direct surface drainage away from buildings helps limit the potential for saturation and subsequent heaving to occur. Still, even limited amounts of movement can create tripping hazards.

One method to help limit the potential for heaving to occur is to remove frost-susceptible soils present below the overlying slab or pavement area down to bottom-of-footing grades, and replace the excavated material with non-frost-susceptible, engineered fill. We recommend providing drainage at the base of the subcut, as well as gradual transitions from this subcut (3H:1V or flatter gradient).

Figure 3 shows an illustration summarizing some of the recommendations above.

Figure 3. Frost Protection Geometry Illustration



An alternative method to reduce the risk of heaving is to support the slabs on frost-depth footings, and suspend the slabs at least 4 inches above the underlying subgrade soils. With this alternative, we recommend making accommodations for differential frost heave at transition areas.

Over the life of the pavement or slab, cracks may develop and joints may open up, which will expose the subgrade and allow water to enter the subgrade. This water entering the subgrade increases the likelihood of heave. It will be critical that the owner develop a detailed maintenance program to repair any cracks and joints that may develop during the useful life of the various surface features. The maintenance program should pay special attention to areas where dissimilar materials abut one another, where construction joints occur and where shrinkage cracks develop.

C.6. Slabs/Sidewalks

C.6.a. Design Sections

Our scope of services for this project did not include laboratory tests on subgrade soils to determine an R-value for pavement design. Based on our experience with similar glacial outwash soils anticipated at the pavement subgrade elevation, we recommend pavement design assume an R-value of 50. Note the contractor may need to perform limited removal of unsuitable or less suitable soils to achieve this value. Table 7 provides recommended pavement sections, based on the soils support and traffic loads.

We based the concrete pavement designs on a modulus of subgrade reaction (k) of 175 pci.

Table 7. Recommended Concrete Pavement Sections

Use	Shelter Slab	Heavy Duty Slabs	Pedestrian Sidewalk
Minimum concrete thickness (inches)	4	6	4
Minimum aggregate base thickness (inches)	4	4	4

C.6.b. Concrete Pavements

We recommend placing an aggregate base below the pavement to provide a suitable subgrade for concrete placement, reduce faulting and help dissipate loads. Appropriate mix designs, panel sizing, jointing, doweling and edge reinforcement are critical to performance of rigid pavements. We recommend you contact your civil engineer to determine the final design or consult with us for guidance on these items.

C.6.c. Performance and Maintenance

We based the above pavement designs on a 35-year life for concrete. This is the amount of time before we anticipate the pavement will require reconstruction. This performance life assumes routine maintenance, such as seal coating and crack sealing. The actual pavement life will vary depending on variations in weather, traffic conditions and maintenance.

Many conditions affect the overall performance of the exterior slabs and pavements. Some of these conditions include the environment, loading conditions and the level of ongoing maintenance. With regard to bituminous pavements in particular, it is common to have thermal cracking develop within the first few years of placement, and continue throughout the life of the pavement. We recommend developing a regular maintenance plan for filling cracks in exterior slabs and pavements to lessen the potential impacts for cold weather distress due to frost heave or warm weather distress due to wetting and softening of the subgrade.

C.7. Utilities

C.7.a. Subgrade Stabilization

Earthwork activities associated with utility installations located inside the building area should adhere to the recommendations in Section C.1.f.

For exterior utilities, we anticipate the soils at typical invert elevations will be suitable for utility support. However, if construction encounters unfavorable conditions such as soft clay, organic soils or perched water at invert grades, the unsuitable soils may require some additional subcutting and replacement with sand or crushed rock to prepare a proper subgrade for pipe support. Project design and construction should not place utilities within the 1H:1V oversizing of foundations.

C.7.b. Corrosion Potential

A majority of the soil borings indicated the site predominantly consists of sandy soils. We consider these soils non- to slightly corrosive to metallic conduits. If utilities extend through clay soils, we recommend bedding the utilities in sandy soil free of any clay lumps or constructing the utilities with non-corrosive materials.

C.8. Equipment Support

The recommendations included in the report may not be applicable to equipment used for the construction and maintenance of this project. We recommend evaluating subgrade conditions in areas of shoring, scaffolding, cranes, pumps, lifts and other construction equipment prior to mobilization to determine if the exposed materials are suitable for equipment support, or require some form of subgrade improvement. We also recommend project planning consider the effect that loads applied by such equipment may have on structures they bear on or surcharge – including pavements, buried utilities, below-grade walls, etc. We can assist you in this evaluation.

D. Procedures

D.1. Penetration Test Borings

We drilled the penetration test borings with an all-terrain vehicle mounted core and auger drill equipped with hollow-stem auger. We performed the borings in general accordance with ASTM D6151 taking penetration test samples at 2 1/2- or 5-foot intervals in general accordance to ASTM D1586. The boring logs show the actual sample intervals and corresponding depths.

We sealed penetration test boreholes meeting the Minnesota Department of Health (MDH) Environmental Borehole criteria with an MDH-approved grout. We will forward a sealing record for those boreholes to the Minnesota Department of Health Well Management Section.

D.2. Exploration Logs

D.2.a. Log of Boring Sheets

The Appendix includes Log of Boring sheets for our penetration test borings. The logs identify and describe the penetrated geologic materials, and present the results of penetration resistance and other in-situ tests performed. The logs also present the results of laboratory tests performed on penetration test samples, and groundwater measurements.

We inferred strata boundaries from changes in the penetration test samples and the auger cuttings. Because we did not perform continuous sampling, the strata boundary depths are only approximate. The boundary depths likely vary away from the boring locations, and the boundaries themselves may occur as gradual rather than abrupt transitions.

D.2.b. Geologic Origins

We assigned geologic origins to the materials shown on the logs and referenced within this report, based on: (1) a review of the background information and reference documents cited above, (2) visual classification of the various geologic material samples retrieved during the course of our subsurface exploration, (3) penetration resistance testing performed for the project, (4) laboratory test results, and (5) available common knowledge of the geologic processes and environments that have impacted the site and surrounding area in the past.

D.3. Material Classification and Testing

D.3.a. Visual and Manual Classification

We visually and manually classified the geologic materials encountered based on ASTM D2488. When we performed laboratory classification tests, we used the results to classify the geologic materials in accordance with ASTM D2487. The Appendix includes a chart explaining the classification system we used.

D.3.b. Laboratory Testing

The exploration logs in the Appendix note most of the results of the laboratory tests performed on geologic material samples. The remaining laboratory test results follow the exploration logs. We performed the tests in general accordance with ASTM or AASHTO procedures.

D.4. Groundwater Measurements

The drillers checked for groundwater while advancing the penetration test borings, and again after auger withdrawal. We then filled the boreholes, as noted on the boring logs.

E. Qualifications

E.1. Variations in Subsurface Conditions

E.1.a. Material Strata

We developed our evaluation, analyses and recommendations from a limited amount of site and subsurface information. It is not standard engineering practice to retrieve material samples from exploration locations continuously with depth. Therefore, we must infer strata boundaries and thicknesses to some extent. Strata boundaries may also be gradual transitions, and project planning should expect the strata to vary in depth, elevation and thickness, away from the exploration locations.

Variations in subsurface conditions present between exploration locations may not be revealed until performing additional exploration work, or starting construction. If future activity for this project reveals any such variations, you should notify us so that we may reevaluate our recommendations. Such variations could increase construction costs, and we recommend including a contingency to accommodate them.

E.1.b. Groundwater Levels

We made groundwater measurements under the conditions reported herein and shown on the exploration logs, and interpreted in the text of this report. Note that the observation periods were relatively short, and project planning can expect groundwater levels to fluctuate in response to rainfall, flooding, irrigation, seasonal freezing and thawing, surface drainage modifications and other seasonal and annual factors.

E.2. Continuity of Professional Responsibility

E.2.a. Plan Review

We based this report on a limited amount of information, and we made a number of assumptions to help us develop our recommendations. We should be retained to review the geotechnical aspects of the designs and specifications. This review will allow us to evaluate whether we anticipated the design correctly, if any design changes affect the validity of our recommendations, and if the design and specifications correctly interpret and implement our recommendations.

E.2.b. Construction Observations and Testing

We recommend retaining us to perform the required observations and testing during construction as part of the ongoing geotechnical evaluation. This will allow us to correlate the subsurface conditions exposed during construction with those encountered by the borings and provide professional continuity from the design phase to the construction phase. If we do not perform observations and testing during construction, it becomes the responsibility of others to validate the assumption made during the preparation of this report and to accept the construction-related geotechnical engineer-of-record responsibilities.

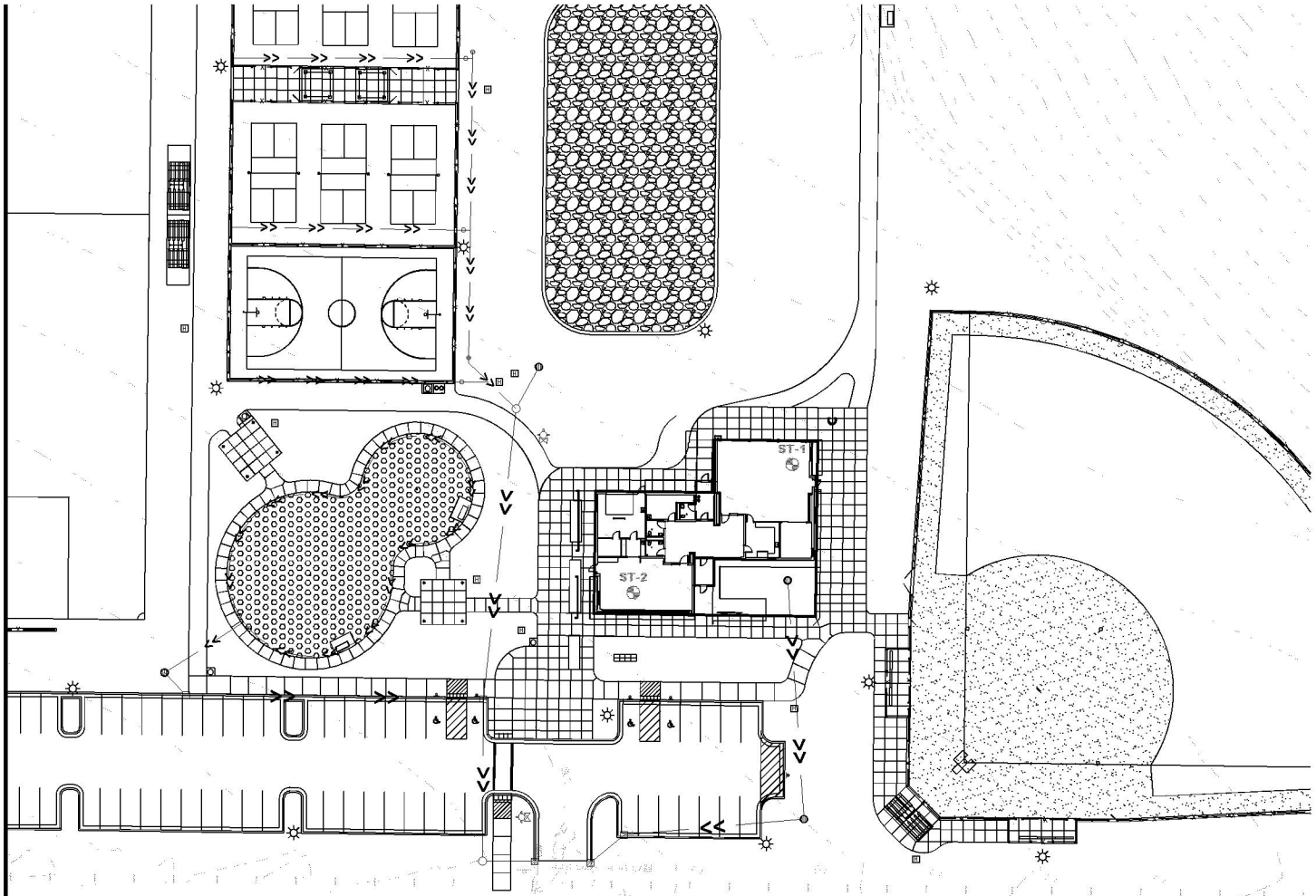
E.3. Use of Report

This report is for the exclusive use of the addressed parties. Without written approval, we assume no responsibility to other parties regarding this report. Our evaluation, analyses and recommendations may not be appropriate for other parties or projects.

E.4. Standard of Care

In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

Appendix



DENOTES APPROXIMATE LOCATION OF STANDARD PENETRATION TEST BORING

25' 0 50'

SCALE: 1"= 50'

F:\2022\B2204889\CAD\B2204889.dwg BLAND 6/17/2022 5:27:03 AM

BRAUN INTERTEC
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11001 Hampshire Avenue S
Minneapolis, MN 55438
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Drawing Information

Project No: B2204889

Drawing No: B2204889

Drawn By:	JAG
Date Drawn:	6/6/22
Checked By:	SBM
Last Modified:	6/17/22

Project Information

Glacial Valley Park Building

12800 Ravine Parkway

Cottage Grove, Minnesota

Soil Boring Location Sketch

BRAUN INTERTEC
The Science You Build On.

LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2204889
Geotechnical Evaluation
Glacial Valley Park Building
12800 Ravine Parkway South
Cottage Grove, Minnesota

BORING: **ST-1**

LOCATION: See attached sketch

NORTHING: | EASTING:

DRILLER:	M. Hoppe	LOGGED BY:	S. Martin	START DATE:	06/14/22	END DATE:	06/14/22
SURFACE ELEVATION:	918.9 ft	RIG:	7504	METHOD:	3 1/4" HSA	SURFACING:	Grass
						WEATHER:	90°, Sunny

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
~~918.6~~ 0.3		SILTY SAND (SM), fine-grained, with roots, dark brown, moist (TOPSOIL FILL)					
		POORLY GRADED SAND (SP), fine to medium-grained, trace Gravel, light brown to brown, moist, loose to medium dense (GLACIAL OUTWASH)		5-6-7 (13) 10"		2	
5				4-5-5 (10) 10"		4	
				4-6-7 (13) 12"			
10				9-4-4 (8) 14"			
				4-5-5 (10) 10"			
15				3-3-3 (6) 14"			
20				4-5-6 (11) 10"			
897.9 21.0		END OF BORING Boring immediately grouted					Water not observed while drilling.
25							
30							

BRAUN INTERTEC
The Science You Build On.

LOG OF BORING

See Descriptive Terminology sheet for explanation of abbreviations

Project Number B2204889
Geotechnical Evaluation
Glacial Valley Park Building
12800 Ravine Parkway South
Cottage Grove, Minnesota

BORING: **ST-2**

LOCATION: See attached sketch

NORTHING: | EASTING:

DRILLER:	M. Hoppe	LOGGED BY:	S. Martin	START DATE:	06/14/22	END DATE:	06/14/22
SURFACE ELEVATION:	916.6 ft	RIG:	7504	METHOD:	3 1/4" HSA	SURFACING:	Grass
						WEATHER:	90°, Sunny

Elev./ Depth ft	Water Level	Description of Materials (Soil-ASTM D2488 or 2487; Rock-USACE EM 1110-1-2908)	Sample	Blows (N-Value) Recovery	q_p tsf	MC %	Tests or Remarks
~~916.3~~ 0.3		SILTY SAND (SM), fine-grained, with roots, brown, moist (TOPSOIL FILL)					
		POORLY GRADED SAND (SP), fine to medium-grained, trace Gravel, light brown to brown, moist, loose to medium dense (GLACIAL OUTWASH)		4-5-6 (11) 10"		3	
5				2-3-4 (7) 12"		2	P200=3%
				4-5-6 (11) 14"			
10				2-3-4 (7) 14"			
				6-17-8 (25) 12"			
15				8-16-10 (26) 4"			
20				5-6-6 (12) 10"			
895.6 21.0		END OF BORING Boring immediately grouted					Water not observed while drilling.
25							
30							

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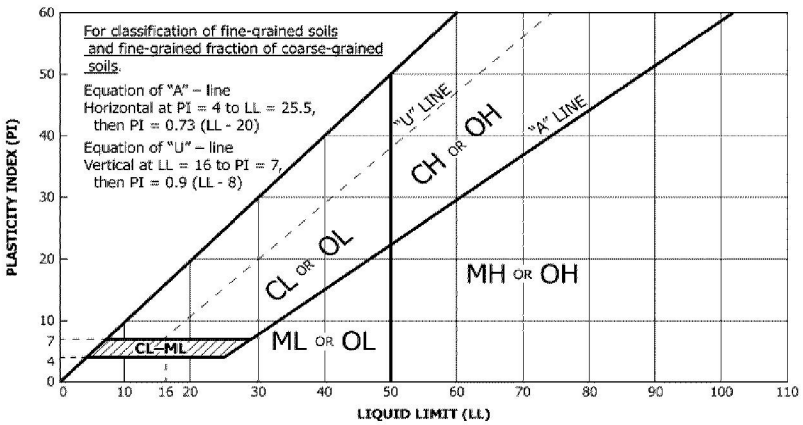
The Science You Build On.

Descriptive Terminology of Soil

Based on Standards ASTM D2487/2488
(Unified Soil Classification System)

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests[A]				Soil Classification	
				Group Symbol	Group Name[B]
Coarse-grained Soils (more than 50% retained on No. 200 sieve)	Gravels (More than 50% of coarse fraction retained on No. 4 sieve)	Clean Gravels (Less than 5% fines[C])	$C_u \geq 4$ and $1 \leq C_c \leq 3$[D]	GW	Well-graded gravel[E]
			$C_u < 4$ and/or ($C_c < 1$ or $C_c > 3$)[D]	GP	Poorly graded gravel[E]
		Gravels with Fines (More than 12% fines[C])	Fines classify as ML or MH	GM	Silty gravel[E F G]
			Fines Classify as CL or CH	GC	Clayey gravel[E F G]
	Sands (50% or more coarse fraction passes No. 4 sieve)	Clean Sands (Less than 5% fines[H])	$C_u \geq 6$ and $1 \leq C_c \leq 3$[D]	SW	Well-graded sand[I]
			$C_u < 6$ and/or ($C_c < 1$ or $C_c > 3$)[D]	SP	Poorly graded sand[I]
		Sands with Fines (More than 12% fines[H])	Fines classify as ML or MH	SM	Silty sand[F G I]
			Fines classify as CL or CH	SC	Clayey sand[F G I]
Fine-grained Soils (50% or more passes the No. 200 sieve)	Silts and Clays (Liquid limit less than 50)	Inorganic	PI > 7 and plots on or above "A" line[J]	CL	Lean clay[K L M]
			PI < 4 or plots below "A" line[J]	ML	Silt[K L M]
		Organic	Liquid Limit – oven dried / Liquid Limit – not dried <0.75	OL	Organic clay[K L M N] / Organic silt[K L M O]
	Silts and Clays (Liquid limit 50 or more)	Inorganic	PI plots on or above "A" line	CH	Fat clay[K L M]
			PI plots below "A" line	MH	Elastic silt[K L M]
		Organic	Liquid Limit – oven dried / Liquid Limit – not dried <0.75	OH	Organic clay[K L M P] / Organic silt[K L M Q]
Highly Organic Soils		Primarily organic matter, dark in color, and organic odor		PT	Peat

A. Based on the material passing the 3-inch (75-mm) sieve.
B. If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.
C. Gravels with 5 to 12% fines require dual symbols:
   GW-GM well-graded gravel with silt
   GW-GC well-graded gravel with clay
   GP-GM poorly graded gravel with silt
   GP-GC poorly graded gravel with clay
D. $C_u = D_{60} / D_{10}$ $C_c = (D_{30})^2 / (D_{10} \times D_{60})$
E. If soil contains ≥ 15% sand, add "with sand" to group name.
F. If fines classify as CL-ML, use dual symbol GC-GM or SC-SM.
G. If fines are organic, add "with organic fines" to group name.
H. Sands with 5 to 12% fines require dual symbols:
   SW-SM well-graded sand with silt
   SW-SC well-graded sand with clay
   SP-SM poorly graded sand with silt
   SP-SC poorly graded sand with clay
I. If soil contains ≥ 15% gravel, add "with gravel" to group name.
J. If Atterberg limits plot in hatched area, soil is CL-ML, silty clay.
K. If soil contains 15 to < 30% plus No. 200, add "with sand" or "with gravel", whichever is predominant.
L. If soil contains ≥ 30% plus No. 200, predominantly sand, add "sandy" to group name.
M. If soil contains ≥ 30% plus No. 200 predominantly gravel, add "gravelly" to group name.
N. PI ≥ 4 and plots on or above "A" line.
O. PI < 4 or plots below "A" line.
P. PI plots on or above "A" line.
Q. PI plots below "A" line.



Particle Size Identification

Boulders..... over 12"
Cobbles..... 3" to 12"
Gravel
  Coarse..... 3/4" to 3" (19.00 mm to 75.00 mm)
  Fine..... No. 4 to 3/4" (4.75 mm to 19.00 mm)
Sand
  Coarse..... No. 10 to No. 4 (2.00 mm to 4.75 mm)
  Medium..... No. 40 to No. 10 (0.425 mm to 2.00 mm)
  Fine..... No. 200 to No. 40 (0.075 mm to 0.425 mm)
Silt..... No. 200 (0.075 mm) to .005 mm
Clay..... < .005 mm

Relative Proportions[L, M]

trace..... 0 to 5%
little..... 6 to 14%
with..... ≥ 15%

Inclusion Thicknesses

lens..... 0 to 1/8"
seam..... 1/8" to 1"
layer..... over 1"

Apparent Relative Density of Cohesionless Soils

Very loose ..... 0 to 4 BPF
Loose ..... 5 to 10 BPF
Medium dense..... 11 to 30 BPF
Dense..... 31 to 50 BPF
Very dense..... over 50 BPF

Consistency of Cohesive Soils	Blows Per Foot	Approximate Unconfined Compressive Strength
Very soft	0 to 1 BPF	< 0.25 tsf
Soft	2 to 4 BPF	0.25 to 0.5 tsf
Medium	5 to 8 BPF	0.5 to 1 tsf
Stiff	9 to 15 BPF	1 to 2 tsf
Very Stiff	16 to 30 BPF	2 to 4 tsf
Hard	over 30 BPF	> 4 tsf

Moisture Content:

Dry: Absence of moisture, dusty, dry to the touch.
Moist: Damp but no visible water.
Wet: Visible free water, usually soil is below water table.

Drilling Notes:

Blows/N-value: Blows indicate the driving resistance recorded for each 6-inch interval. The reported N-value is the blows per foot recorded by summing the second and third interval in accordance with the Standard Penetration Test, ASTM D1586.

Partial Penetration: If the sampler could not be driven through a full 6-inch interval, the number of blows for that partial penetration is shown as #/x" (i.e. 50/2"). The N-value is reported as "REF" indicating refusal.

Recovery: Indicates the inches of sample recovered from the sampled interval. For a standard penetration test, full recovery is 18", and is 24" for a thinwall/shelby tube sample.

WOH: Indicates the sampler penetrated soil under weight of hammer and rods alone; driving not required.

WOR: Indicates the sampler penetrated soil under weight of rods alone; hammer weight and driving not required.

Water Level: Indicates the water level measured by the drillers either while drilling (▽), at the end of drilling (▼), or at some time after drilling (▼).

Laboratory Tests

DD	Dry density, pcf	**OC**	Organic content, %	**LL**	Liquid limit
WD	Wet density, pcf	**q_p**	Pocket penetrometer strength, tsf	**PL**	Plastic limit
P200	% Passing #200 sieve	**MC**	Moisture content, %	**PI**	Plasticity index
		q_U	Unconfined compression test, tsf		

12/2020

SECTION 01 23 00
ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Description of Alternates.
B. Acceptance of Alternates.
C. Schedule of Alternates.

1.02 DESCRIPTION OF ALTERNATES

A. This Section describes the limits of the requested alternates to the Contract work. Refer to the Product/Execution Articles of the appropriate Specifications and the Drawings for information pertaining to the work of each alternate.
B. Each proposal under an alternate shall include all incidental work and all adjustments necessary to accommodate the changes. All work shall meet the requirements of the Drawings, Specifications and appropriate details.
    1. Contractor is responsible for providing work if applicable to each alternate, whether or not an added or deducted cost is included on their bid form.
    2. Taxes which are applicable to work involved in alternates as well as costs, if any, for increased coverage of bonds and insurance shall be included.
    3. Each Bidder shall examine the Drawings and Specifications to determine the extent to which their work is affected by bid alternates. Include in the space provided on the bid form the cost of any added or deducted work resulting from each alternate.
C. Submit each alternate proposal as an individual cost for the particular alternate and shall be proposed under the premise that no other alternates have been accepted. Should the work of an alternate called for by the Bid Form not affect the cost of the work, state "No Change" in the space provided. If an alternate is left blank, the Owner reserves the right to throw out the entire bid or interpret the alternate as "No Change".

1.03 ACCEPTANCE OF ALTERNATES

A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement or by Change Order if agreed upon by the Contactor after the Award of the Contract.
B. The Owner will accept Alternates in the order that they appear in the Schedule of Alternates.
C. Any of the alternates may be accepted by Owner and will be used in determining the low bidder.
D. Owner may, at their option, vary the scope of the work by authorizing alternates which will add to the work, deduct from the work or substitute materials, equipment or methods.

1.04 SCHEDULE OF ALTERNATES

A. Alternate No. 1 Solar Photovoltaic System.
    1. Provide cost to add entire solar photovoltaic system. Refer to architectural and electrical drawings for quantities and locations of system and associated components. Refer to electrical specifications for additional requirements.
B. Alternate No. 2 Wet-Pipe Automatic Sprinkler System.
    1. Provide cost to eliminate the entire wet-pipe automatic sprinkler system. Refer to mechanical drawings and division 21 specifications.
C. Alternate No. 3 Gypsum Wallboard Fur-Down Ceilings.
    1. Provide cost to install 5/8” gypsum wallboard between all glue-laminated beams in Classroom / Programs (107) and Multipurpose (110) on furring below metal roof deck. Ceiling to be painted PT-8 as noted on drawings. AWP-1 to be mounted directly to gypsum wallboard ceiling as shown in drawings.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 IMPLEMENTATION

A. If the Owner elects to proceed on the basis of one or more of the alternates, make all modifications to the Work required in the furnishing and installation of the selected alternate or alternates subject to the approval of the Architect at no additional cost to the Owner except as proposed in the Bid.

B. Coordinate pertinent related work and modify surrounding work as required to properly integrate the work under each alternate, and to provide the complete construction required by Contract Documents.

C. If so stated in the Agreement, or modifications thereto, provide alternate materials, equipment and/or construction as specified.

END OF SECTION 01 23 00

SECTION 01 25 00
SUBSTITUTION PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Procedural requirements for proposed substitutions.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 GENERAL REQUIREMENTS

A. **PRODUCT OPTIONS NOT REQUIRING PRE-BID SUBMITTAL**

1. Where a single manufacture is specified and acceptable manufacturer are also listed, acceptable manufacturers must provide an identical product or accept responsibility for all design implications when providing a product other than the specified product.
2. Where products are specified by reference standards, any product established by a material testing agency to meet these standards is acceptable.
3. Where multiple manufacturers and associated models are specified, select any one named.
4. Where manufacturer(s) alone are specified, select any manufacturer and the product recommended in writing by the manufacturer as most suited to the application shown on the Drawings and Specifications.
5. Where the phrase "or equal" or "equivalent" follows the name of a manufacturer, any product which meets the performance and appearance standards established by the specified manufacturer may be selected, subject to the Architect's acceptance.
6. Where a manufacturer is listed in both a technical specification section and the Interior Material Finish/Color Schedule, on the Drawings and a color is provided.

B. **PRODUCT SUBSTITUTIONS REQUIRING PRE-BID SUBMITTALS**

1. Step One - Manufacturers Substitution Request
   a. A Substitution Request for products, assemblies, materials, and equipment constitutes a representation that the submitter:
      1) Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product, equipment, assembly, or system.
      2) Agrees to provide the same warranty for the substitution as for the specified product.
      3) Agrees to provide same or equivalent maintenance service and source of replacement parts, as applicable.
      4) Agrees to coordinate installation and make changes to other work that may be required for the work to be complete, with no additional cost to Owner.
      5) Waives claims for additional costs or time extension that may subsequently become apparent.
   b. Attached Substitution Request Form is submitted ten (10) calendar days prior to the bid date with the following information:
      1) Specified manufacturer's model numbers and proposed manufacturer's product literature, noting product numbers for proposed substitutions, and where appropriate, samples and data relating to construction details.
         (a) Clearly indicate on the literature what product is being submitted for substitution.
         (b) If submitted literature does not match the requirements of the specified product, submit a letter stating proposed manufacturer will custom make products to meet specified product.
2. Step Two - Manufacturers Acceptance
   a. Individual specification sections may be amended by the Architect during the bid period to include additional names of manufacturers determined to be capable of providing acceptable materials.

b. The Interior Material Finish/Color Schedule, on the Drawings or Specifications may be amended by the Architect during the bid period to include colors by manufacturers listed in technical sections, but not noted on the Interior Material Finish/Color Schedule, on the Drawings or in the Specifications.
c. Architect's acceptance is based upon his determination that a manufacturer is capable of supplying acceptable materials. Approval is not assured or implied for a specific material, item of equipment, color or finish.
d. Official notification will be by addendum to the Contract Documents.

3. Step Three - Product Acceptance
   a. Upon award of a construction contract, accepted manufacturers may submit for review to the Architect through the General Contractor or Construction Manager, specific products, materials or equipment items as substitutes for those specified.
      1) Contractor to provide letter stating they will reimburse Architect to review substitutions.
   b. Architect will review substitute products for performance, appearance, color, finish, size and suitability for inclusion in the work. If a substitute product is not accepted, submit another product by the same or other accepted manufacturer or provide the specified product.
   c. Match specified colors and dimensions exactly, whether or not they are standard with the substitute product, unless a minor variation is accepted by the Architect.
   d. If a substitute product is accepted, coordinate any necessary changes in other related work and pay for these changes.
      1) Pay cost of architectural or engineering services, if any, required to incorporate substitute products in the Work.

C. **SUBSTITUTIONS BY CHANGE ORDER AFTER CONTRACT AWARD**

1. A substitution for a specified product may be permitted by a no cost or deduct change order to the Owner if product proposed is determined to be equivalent in performance and suitability, and if at least one of the following conditions apply:
   a. Owner is given a credit for the work.
   b. Product is of superior quality than product specified.
   c. Product color or finish selection is preferable.
   d. Products specified and upon which building is designed have been discontinued by manufacturer.
2. Provide Architect, through Owner, reasonable compensation for product evaluation.

3.02 ATTACHMENTS

A. A Substitution Request Form required to be used on the Project is included after this section.

END OF SECTION 01 25 00

SECTION 01 25 01
PRE-BID SUBSTITUTION REQUEST FORM

SUBMITTAL TO ARCHITECTS/ENGINEERS OFFICE

To:
Wold Architects and Engineers
St Paul, Minnesota
Via: mail@woldae.com

PROJECT INFORMATION

Project Owner/Project Name: City of Cottage Grove / Glacial Valley Park Building
Bid Date: November 17, 2022

PRE-BID SUBMITTAL REQUEST INFORMATION

Date: _____
Specification
Name: _____
Section Number: ____ ____ ____
Paragraph/Article: _____
Proposed Substitution Manufacturer:
Manufacturer Website: www._____._____
Proposed Product
Name: _____
Model: _____

CERTIFICATION

The undersigned/manufacturer certifies they agree with the following:

1. I am the manufacturer or an authorized manufacturer's representative.
2. The proposed product and determined that it meets or exceeds the quality level of the specified product, equipment, assembly, or system.
3. Literature has been submitted with the product and components clearly indicated. Any items that are different than the specification are noted.
4. Provide the same warranty for the substitution as for the specified product.
5. Provides the same or equivalent maintenance service and source of replacement parts, as applicable.
6. To coordinate installation and make changes to other work that may be required for the work to be complete, with no additional cost to the Owner.
7. Waives claims for additional costs or time extension that may subsequently become apparent.

Submitted by:
Name printed clearly: _____
Firm: _____
Address:_____
_____
Telephone: _____
Email:_____

END OF SECTION 01 25 01

SECTION 01 26 63
CHANGE ORDERS

1.01 CHANGE ORDER PROCEDURES

A. Changes in the Project scope of work affecting the project cost can be made only through AIA Document G701 - Change Order.
   1. The procedures for processing changes in the scope of Work are listed as follows:
   2. The Architect prepares one of the following documents to modify the scope of work. Documents and attachments revising the drawings and specifications will be distributed electronically and the Contractor will be responsible for printing.
      a. Supplemental Instructions (SI) which are used for no cost changes.
      b. Proposal Request (PR) to be used for proposed changes that need written approval on cost prior to proceeding.
      c. Construction Change Directive AIA Document G714 (CCD) which is used when the work must proceed immediately and time and material cost submitted as soon as possible for review by the Architect.
   3. The Contractor reviews and responds as follows:
      a. Supplemental Instructions (SI): This no cost change is to be carried out in accordance with the following modifications to the contract documents described herein. If this change effects cost, do not proceed with this change. Notify the Architect in writing within 10 days of receipt that an itemized (labor and material) quotation will be submitted within 21 days of initial receipt of this Supplemental Instruction. If a cost is not submitted within 21 days, this Supplemental Instruction will be accepted at no additional cost.
      b. Proposal Request (PR): Submit an itemized (labor and material) quotation for the proposed modifications to the contract documents as described herein within 21 days of receipt. If a cost is not submitted within 21 days, this Proposal Request can be accepted at no additional cost. Written approval is required prior to proceeding with this change.
      c. Construction Change Directive AIA Document G714 (CCD): Proceed immediately to carry out this change in the contract documents as described herein. If this revision effects cost, submit an itemized (labor and material) quotation within 21 days of receipt. If a cost is not submitted within 21 days this Change Directive will be accepted at no additional cost.
   4. The Architect will review the Contractor's labor and material itemized quotation and respond in writing whether it is acceptable or needs revision. When all pricing is accepted by the Architect and Owner, a Change Order will be processed. Change Orders will be processed at increments determined by the Architect throughout the construction schedule.

B. See the General Conditions of the Contract for Construction for methods of determining cost or credit, mark-up and schedule on submitting claims.

END OF SECTION 01 26 63

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. General administrative requirements.
B. Electronic document submittals.
C. Coordination drawings.
D. Submittals for review and information.
E. Requests for Information (RFI) procedures.
F. Submittal procedures.

1.02 PROJECT COORDINATOR

A. Project Coordinator: Construction Manager.
B. Cooperate with the Project Coordinator in allocation of mobilization areas of site; for field offices and sheds, for building access, traffic, and parking facilities.
C. During construction, coordinate use of site and facilities through the Project Coordinator.
D. Comply with Project Coordinator's procedures for intra-project communications; submittals, reports and records, schedules, coordination drawings, and recommendations; and resolution of ambiguities and conflicts.
E. Comply with instructions of the Project Coordinator for use of temporary utilities and construction facilities. Responsibility for providing temporary utilities and construction facilities is identified in Section 01 10 00 - Summary of the Work.
F. Coordinate field engineering and layout work under instructions of the Project Coordinator.
G. Make the following types of submittals to Architect through the Project Coordinator:
    1. Requests for Information.
    2. Shop drawings, product data, and samples.
    3. Test and inspection reports.
    4. Applications for payment and change order requests.
    5. Coordination drawings.
    6. Correction Punch List and Final Correction Punch List for Substantial Completion.
    7. Closeout submittals.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 ELECTRONIC DOCUMENT SUBMITTAL

A. All documents transmitted for purposes of administration of the contract are to be in electronic (PDF) format, as appropriate to the document, and transmitted via email the architect's staff assigned to the project.
    1. Besides submittals for review, information, and closeout, this procedure applies to Requests for Information (RFIs), progress documentation, contract modification documents (e.g. supplementary instructions, change proposals, change orders), applications for payment, field reports and meeting minutes, Contractor's correction punchlist, and any other document any participant wishes to make part of the project record.
    2. It is Contractor's responsibility to submit documents in allowable format.
    3. All other specified submittal and document transmission procedures apply, except that electronic document requirements do not apply to samples or color selection charts.

3.02 LIST OF MATERIALS

A. Within 7 days after the award of the Contract (notice to proceed or letter of intent), submit a complete list electronically of all material, products, and equipment proposed to be used in construction to the Architect for acceptance.
   1. Do not order materials until the proposed listed materials, products and equipment to be used in construction are accepted by the Architect.

B. Where two or more makes or kinds of items are named in the specifications (or additional names are called for in addenda), the Contractor shall state which particular make or kind of each item they proposes to provide. If the Contractor fails to state a preference, the Owner shall have the right to select any of the makes or kinds named without change in price.

C. This list shall be arranged generally in order of specification sections. The items listed shall fully conform to project requirements and specifications. All materials are subject to the Architect's acceptance.
   1. After acceptance, changes or substitutions will not be permitted.

D. Clearly identify or list the material, product or equipment by manufacturer and brand by listing the names for all items, including those where only one material or product is specified. Each and every material, product and equipment shall be specifically named, not listed "as specified".

3.03 LIST OF SUBCONTRACTORS

A. Immediately after Contract award submit a subcontractor and supplier list.
   1. Propose use of subcontractors or sub-subcontractors who are established, reputable firms of recognized standing with a record of successful and satisfactory past performance. Include the following information: specification section, item of work, subcontractor or supplier, material/manufacturer (as specified will not be allowed), project manager, phone and email. List major sub-subcontractors for mechanical and electrical work. Use only those subcontractors (and sub-sub-contractors, when appropriate) who are acceptable to the Architect and Owner on the Work.

B. Prior to contract award, submit electronically a signed and notarized Minnesota Responsible Contractor Compliance Affidavit from each subcontractor as outlined in the General Conditions of the Contract for Construction.
   1. Changes to subcontractors during the project will require a resubmittal of a Minnesota Responsible Contractor Compliance Affidavit.

3.04 COORDINATION DRAWINGS

A. Refer to "Common Work Results" in Mechanical and Electrical Specifications for requirements.

B. Prior to construction occurring above grade plane, submit Mechanical/Electrical Coordination Drawings for design team review.

3.05 REQUESTS FOR INFORMATION (RFI)

A. Definition: A request seeking one of the following:
   1. An interpretation, amplification, or clarification of some requirement of Contract Documents arising from inability to determine from them the exact material, process, or system to be installed; or when the elements of construction are required to occupy the same space (interference); or when an item of work is described differently at more than one place in Contract Documents.
   2. A resolution to an issue which has arisen due to field conditions and affects design intent.

B. Whenever possible, request clarifications at the next appropriate project progress meeting, with response entered into meeting minutes, rendering unnecessary the issuance of a formal RFI.

C. Preparation: Prepare an RFI immediately upon discovery of a need for interpretation of Contract Documents. Failure to submit a RFI in a timely manner is not a legitimate cause for claiming additional costs or delays in execution of the work.
   1. Prepare a separate RFI for each specific item.
      a. Review, coordinate, and comment on requests originating with subcontractors and/or materials suppliers.
      b. Do Not forward requests which solely require internal coordination between subcontractors.

D. Reason for the RFI: Prior to initiation of an RFI, carefully study all Contract Documents to confirm that information sufficient for their interpretation is definitely not included.
   1. Include in each request Contractor's signature attesting to good faith effort to determine from Contract Documents information requiring interpretation.
   2. Unacceptable Uses for RFIs: Do not use RFIs to request the following::
      a. Approval of substitutions (see Section - 01 60 00 - Product Requirements)
      b. Changes that entail change in Contract Time and Contract Sum (comply with provisions of the Conditions of the Contract).
      c. Different methods of performing work than those indicated in the Contract Drawings and Specifications (comply with provisions of the Conditions of the Contract).
   3. Improper RFIs: Requests not prepared in compliance with requirements of this section, and/or missing key information required to render an actionable response. They will be returned without a response, with an explanatory notation.
   4. Frivolous RFIs: Requests regarding information that is clearly indicated on, or reasonably inferable from, Contract Documents, with no additional input required to clarify the question.
      a. They will be rejected.
      b. The Owner reserves the right to assess the Contractor for the costs (on time-and-materials basis) incurred by the Architect, and any of its consultants, due to processing of such RFIs.

E. Content: Include identifiers necessary for tracking the status of each RFI, and information necessary to provide an actionable response.
   1. Official Project name and number, and any additional required identifiers established in Contract Documents.
   2. Discrete and consecutive RFI number, and descriptive subject/title.
   3. Issue date, and requested reply date no sooner than 7 working days.
   4. Reference to particular Contract Document(s) requiring additional information/interpretation. Identify pertinent drawing and detail number and/or specification section number, title, and paragraph(s).
   5. Annotations: Field dimensions and/or description of conditions which have engendered the request.
   6. Contractor's suggested resolution: A written and/or a graphic solution, to scale, is required in cases where clarification of coordination issues is involved, for example; routing, clearances, and/or specific locations of work shown diagrammatically in Contract Documents. If applicable, state the likely impact of the suggested resolution on Contract Time or the Contract Sum.

F. Attachments: Include sketches, coordination drawings, descriptions, photos, submittals, and other information necessary to substantiate the reason for the request.

G. Review Time: Architect will respond and return RFIs to Contractor within seven calendar days of receipt. For the purpose of establishing the start of the mandated response period, RFIs received after 12:00 noon will be considered as having been received on the following regular working day.
   1. Response period may be shortened or lengthened for specific items, subject to mutual agreement, and recorded in a timely manner in progress meeting minutes.

3.06 SUBMITTAL SCHEDULE

A. Submit to Architect for review a schedule for submittals in tabular format.
   1. Submit at the same time as the preliminary schedule specified in Section - 01 32 16 - Construction Progress Schedule.
   2. Coordinate with Contractor's construction schedule and schedule of values.
   3. Format schedule to allow tracking of status of submittals throughout duration of construction.
   4. Arrange information to include scheduled date for initial submittal, specification number and title, submittal category (for review or for information), description of item of work covered, and role and name of subcontractor.
   5. Account for time required for preparation, review, manufacturing, fabrication and delivery when establishing submittal delivery and review deadline dates.
      a. For assemblies, equipment, systems comprised of multiple components and/or requiring detailed coordination with other work, allow for additional time to make corrections or revisions to initial submittals, and time for their review.

3.07 SUBMITTALS FOR REVIEW

A. When the following are specified in individual sections, submit them for review:
   1. Product data.
   2. Shop drawings.
   3. Samples for selection.
   4. Samples for verification.

B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.
   1. Prepare clearly identified shop drawings or schedules to this specific project, containing only data applicable. Include with the shop drawings or schedules a letter of transmittal listing and dating the submitted drawings in sets.
   2. Contractor to review all submittals prior to submittal to Architect, and indicate such review with a stamp and signature. Review submittals for conformance to Drawings, Specifications, coordination with other trades and adjacent construction and verification of field dimensions. Failure of Contractor to adequately review submittals shall be cause for rejection.
   3. Prepare and submit electronically (with exception for color charts and samples) to Architect for review, all shop drawings and manufacturers catalog sheets showing illustrated cuts of items to be furnished, scale details, sizes, dimensions, performance characteristics, capacities, wiring diagrams, weights and arrangements. Each submittal to include a transmittal on contractor letterhead. Submittal to be in the form of one combined PDF, labeled with project name, professionally assembled so all documents are facing the same way.

C. If equipment other than that used in the design of this project is proposed to be used, the Contractor and/or supplier shall verify electrical differences, dimension variations and weight increases. The Contractor shall be responsible for any extra costs incurred as a result of equipment substitutions.

D. Samples will be reviewed for aesthetic, color, or finish selection.
   1. Unless otherwise specified, submit samples of size, and nature representing typical qualities. Where required, submit a sufficient number of samples to demonstrate the complete range of variations of the material or quality. Written acceptance of the Architect is required prior to ordering any item for which samples are required.

E. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - Closeout Submittals.

3.08 SUBMITTALS FOR INFORMATION

A. When the following are specified in individual sections, submit them for information:
   1. Design data.
   2. Sustainability design submittals and reports.

3. Certificates.
4. Test reports.
5. Inspection reports.
6. Manufacturer's instructions.
7. Manufacturer's field reports.
8. Other types indicated.

B. Submit for Architect's knowledge as contract administrator or for Owner.

3.09 SUBMITTALS FOR PROJECT CLOSEOUT

A. Submit Correction Punch List for Substantial Completion.

B. Submit Final Correction Punch List for Substantial Completion.

C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 78 00 - Closeout Submittals:

1. Project record documents.
2. Operation and maintenance data.
3. Warranties.
4. Bonds.
5. Other types as indicated.

D. Submit for Owner's benefit during and after project completion.

3.10 NUMBER OF COPIES OF SUBMITTALS

A. Electronic Documents: Submit one electronic copy in PDF format; an electronically-marked up file will be returned. Create PDFs at native size and right-side up; illegible files will be rejected.

B. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect.

1. After review, produce duplicates.
2. Retained samples will not be returned to Contractor unless specifically so stated.

3.11 SUBMITTAL PROCEDURES

A. General Requirements:

1. Use a separate transmittal for each item.
2. Submit separate packages of submittals for review and submittals for information, when included in the same specification section.
3. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number and article/paragraph, as appropriate on each copy.
    a. When labeling shop drawings or product data, include the Specification Section number of where the product is specified for a submittal . For example, for cavity wall insulation Section 07 21 00 Insulation does not require an insulation submittal, but Section 04 20 00 Non-Bearing Masonry does require that submittal.
4. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.
    a. Submittals from sources other than the Contractor, or without Contractor's stamp will be rejected.
5. Deliver each submittal on date noted in submittal schedule, unless an earlier date has been agreed to by all affected parties, and is of the benefit to the project.
    a. Deliver submittals to Architect via email.

b. Submit samples to Architect's office, securely packaged, with the name of the Owner and Project clearly indicated on the package exterior. Each physical sample shall have a label or tag, firmly attached to the sample, bearing the following information: (a) Name of Owner and Project, (b) Name of Supplier, (c) Name of Contractor, and (d) Product information such as manufacturer's designation, finish, type, class, grade, etc. as is appropriate. The Architect will retain one copy of each sample.

c. Deliver samples to Construction Manager at business address and submittals via email.

6. Schedule submittals to expedite the Project, and coordinate submission of related items.
   a. When submitting multiple submittals at the same time, provide the Architect with a priority list for review.
   b. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
   c. For sequential reviews involving Architect's consultants, Owner, or another affected party, allow an additional 7 days.
   d. For sequential reviews involving approval from authorities having jurisdiction (AHJ), in addition to Architect's approval, allow an additional 30 days.
7. Identify variations from Contract Documents and product or system limitations that may be detrimental to successful performance of the completed work.
8. When revised for resubmission, identify all changes made since previous submission.
9. Incomplete submittals will not be reviewed, unless they are partial submittals for distinct portion(s) of the work, and have received prior approval for their use.
10. Submittals not requested will not be recognized or processed.

B. Product Data Procedures:
1. Submit only information required by individual specification sections.
2. Collect required information into a single submittal.
3. Submit concurrently with related shop drawing submittal.
4. Do not submit (Material) Safety Data Sheets for materials or products.
5. Submit sustainable design reporting submittals under separate cover.

C. Shop Drawing Procedures:
1. Prepare accurate, drawn-to-scale, original shop drawing documentation by interpreting Contract Documents and coordinating related work.
2. Do not reproduce Contract Documents to create shop drawings.
   a. Contractor is to generate shop drawings based on the information identified in the contract documents and notify the architect of discrepancies in the documents.
3. Generic, non-project-specific information submitted as shop drawings do not meet the requirements for shop drawings.

D. Samples Procedures:
1. Transmit related items together as single package.
2. Identify each item to allow review for applicability in relation to shop drawings showing installation locations.

3.12 SUBMITTAL REVIEW

A. The Architect will take one of the following actions on submittals:
1. "Reviewed": Contractor shall proceed with ordering and/or fabrication.
2. "Review Comments": Contractor shall proceed with ordering and/or fabrication after taking into account noted comments.
3. "Rejected": Contractor shall provide a submittal that meets the intent of the specifications.
4. "Revise and Resubmit": Contractor shall modify submittal to address comments and resubmit.

B. Submittals for Information: Architect will not acknowledge receipt, and take no other action.

END OF SECTION 01 30 00

SECTION 01 31 26
ELECTRONIC BACKGROUND DOCUMENTS

PART 1: GENERAL

1.01 SUMMARY

A. The Architect will provide the Contractor with one (1) electronic copy of the background drawing relevant to their request. Requested files will be provided via email to the Contractor in AutoDesk AutoCAD format.

B. The terms and conditions on the attached form "Agreement Between Architect and Contractor for Transfer of Computer Aided Drafting (CAD) Files on Electronic Media" apply to all Electronic Documents issued by Wold Architects and Engineers or it's consultants for the project.

C. Exceptions:
   1. Electronic Documents by other consultants on the project may need to sign an additional Agreement for Electronic File Transfer that can be made available upon request.

D. Electronic Document Availability
   1. Pre Bid: AutoCAD backgrounds pertaining only to Survey and/or proposed grading will be available prior to bid. Requesting Contractors must complete "Attachment A - Agreement Between Civil Engineer and Contractor for Transfer of Computer Aided Drafting (CAD) Files on Electronic Media" at time of request.
   2. After Bid: Backgrounds as requested by the awarded contractors at the discretion of the Architect or Engineer. Electronic Documents are available upon completion of "Attachment A - Agreement Between Architect and Contractor for Transfer of Computer Aided Drafting (CAD) Files on Electronic Media" by the:
      a. General Contractor on the project.
      b. Construction Manager on the project.

E. See attached form "Attachment A – Agreement Between Architect and Contractor for Transfer of Computer Aided Drafting (CAD) Files on Electronic Media."

PART 2: PRODUCTS – (NOT APPLICABLE)

PART 3: EXECUTION – (NOT APPLICABLE)

END OF SECTION 01 31 26

SECTION 01 31 27
ELECTRONIC BACKGROUND DOCUMENTS-ATTACHMENT A

AGREEMENT BETWEEN ARCHITECT AND CONTRACTOR FOR THE TRANSFER OF COMPUTER AIDED DRAFTING (CAD) FILES ON ELECTRONIC MEDIA

Glacial Valley Park Building

The purpose of this agreement is to grant permission from the Transmitting Party (Architect and/or Engineer) to the Receiving Party (Contractor, Bidder, and/or Construction Manager) for the Receiving Party's use of Electronic Media on the Project, and to set forth the terms of such use. Electronic Media is defined to include all data or files transmitted. All Electronic Media is considered confidential and containing business proprietary information. Wold Architects & Engineers and its consultants grant the Receiving Party a limited license to use Electronic Media issued by Wold Architects & Engineers exclusively for this Project. The terms are set forth as follows:

The Electronic Media is transmitted for the Receiving Party's convenience and remains the sole property of Wold Architects and Engineers and/or its consultants.

1 The Transmitting Party makes no warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose, respecting the Electronic Media or the files therein. The Transmitting Party makes no representation regarding the accuracy, completeness, or permanence of the Electronic Media or the files therein.

2 The Electronic Media or files therein depict information only at the specific point in time of preparation and may not include final data or represent exact as-built conditions. Addenda information or revisions made after the date indicated on the files may not have been incorporated. The Receiving Party is solely responsible for verifying all field conditions against the Electronic Media or files therein and making all necessary adjustments. The Receiving Party is solely responsible for determining whether any changes made after it receives the Electronic Documents affect any services or work it provided using the Electronic Documents and for updating any such services or work.

3 The Electronic Media and files therein are not considered to be Contract Documents as defined by the General Conditions of the Contract for Construction. In the event of a conflict between the Architect's and/or Engineer's sealed Contract Drawings and the Electronic Media files, the sealed Contract Drawings shall govern. It is the Receiving Party's responsibility to determine if any conflicts exist.

4 Neither Wold Architects and Engineers nor its consultants are responsible for any decline in accuracy or readability due to the medium on which the Electronic Media are stored, or for any unintentional transmission of computer viruses.

5 The Electronic Media and the files therein may not be used by the Receiving Party for any purpose other than as a convenience in the preparation of Shop Drawings, layout, and other purposes related to the Project. Any use or reuse of the Electronic Media of the files therein, by the Receiving Party or others, are at the Receiving Party's sole risk and without liability or legal exposure to the Architect, Engineers, or their consultants.

6 The Architect reserves the right to determine what content will be distributed to the Receiving Party.

BY SIGNING BELOW, THE RECEIVING PARTY AGREES TO THE TERMS SET FOR BY THIS AGREEMENT.

AUTHORIZED ACCEPTANCE:

By Receiving Party/Contractor of Record

_____
Signature

_____
Print Name and Title

_____
Print Name of Company

_____
Date

END OF SECTION 01 31 27

SECTION 01 45 16
QUALITY CONTROL TESTING

PART 1: GENERAL

1.01 SELECTION AND PAYMENT

A The Owner will select, hire, pay for services of an independent testing agency/laboratory, to perform specified Field Quality Control and other inspections, test of materials and construction called for in the Specifications.

B The Contractor will select, hire, pay for services of an independent testing agency/laboratory, to perform specified Field Quality Control and other inspections, test of materials and construction called for in the Specifications.

C The Contractor shall select, hire and pay for the services of an independent testing agency/laboratory acceptable to the Owner and Architect to perform specified Source Quality Control and other tests and inspections called for in the Specifications.

D The Owner will select, hire and pay for services of a special inspector to perform Special Inspections and Testing defined in Specification Section 01 45 33.

1.02 RESPONSIBILITY OF CONTRACTOR

A Be responsible for furnishing materials and construction in full conformance with Plans and Specifications.

B Pay for all tests, conducted by the testing laboratory that fail and also pay for all scheduled tests for which the pours are cancelled and a test field crew is on site before that particular pour is cancelled.

1.03 COOPERATION OF CONTRACTOR

A Cooperate with the Laboratory, and:

1. Make available, without cost, samples of all materials to be tested in accordance with applicable standard specifications.
2. Furnish such nominal labor and working space as is necessary to obtain samples at the Project.
3. Advise Laboratory of the identity of material sources and instruct the suppliers to allow test or inspections by the Laboratory.
4. Notify Laboratory sufficiently in advance of operations to allow completion of initial tests or inspections by the Laboratory.

1.04 RESPONSIBILITY OF TESTING AGENCY

A Notify the Owner, Architect Engineer and Contractor or his authorized representative of any materials or installation which are not in full conformance with the specifications.

B File a copy of the inspection report with the Architect, appropriate Architect's Consultant, Owner and Building Official.

PART 2: PRODUCTS – NOT APPLICABLE

PART 3: EXECUTION

2.01 GENERAL SCOPE OF TESTING, INSPECTION

A Require testing agency to conduct tests and inspections as directed by the Owner, Architect or Engineer.

B Refer to individual specification sections for test requirements.

2.02 QUALIFICATION TESTING

A In addition to tests specified, if a product, material, or method of assembly that is of unknown or questionable quality to Architect, the Architect may require and order suitable tests to establish a basis for acceptance or rejection.

1. Contractor to pay for these tests.
    a. "Standard" test reports or reports on "similar" material will not be accepted.

2.03 MISCELLANEOUS (REGULATORY) INSPECTIONS

A Should specifications, Architect's instructions, laws, ordinances or any public authority require any work to be inspected or approved, Contractor shall give timely notice of its readiness for inspection and a reasonable date fixed for such inspection.

B If any work should be covered up without approval or consent of approving agency, or Architect, it must be uncovered for examination at Contractor's expense.

END OF SECTION 01 45 16

SECTION 01 45 33

STRUCTURAL TESTING AND SPECIAL INSPECTION

PART 1 GENERAL

1.01 INTENT AND CONDITIONS

A. Intent

1. Define and coordinate structural testing and special inspection services.

2. Provide a greater level of confidence that the specified work is constructed in compliance with the contract documents and the intent of applicable codes including Sections 1704 and 1705 of the International Building Code (IBC) as adopted by the current Minnesota State Building Code.

3. Structural testing and special inspection services are intended to assist in determining probable compliance of the work with requirements specified. These services do not relieve the Contractor of responsibility for compliance with the requirements of the contract documents.

B. Conditions

1. If inspection of a fabricator's work is required, the Owner's representative may require testing and inspection of the work at the plant, before shipment. Owner and Architect reserve the right to reject material not complying with the Contract Documents.

2. Refer to individual technical specification sections for specific qualifications, inspections, tests, frequency and standards required. Testing and inspection shall be performed in accordance with the referenced standard for the specific material or procedure unless other criteria are specified. In the absence of a referenced standard, tests shall be performed in accordance with generally accepted industry standards.

3. Work shall be checked as it progresses. Failure to detect any defective work or materials shall not prevent later rejection if defective work or materials are discovered, nor shall it obligate Owner to accept such work.

4. Structural testing, special inspection, and periodic inspections by the Building Official do not preclude the normal field involvement and site observations by Architect or SER.

5. Structural testing, special inspection, and periodic inspections by the Building Official do not relieve the Contractor of any responsibility to complete the work in accordance with the approved drawings and specifications.

6. Testing agents and/or special inspectors may not waive or alter contract requirements, or approve or accept any portion of the work unless specifically authorized by the Architect or SER. They may not assume any duties of the Contractor, and they have no authority to stop or reject work.

1.02 RELATED REQUIREMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specifications apply to this section.

1.03 DEFINITIONS

A. Testing: Evaluation of systems, primarily requiring physical manipulation and analysis of materials, in accordance with approved standards.

B. Inspection: Evaluation of systems, primarily requiring observation and judgment.

C. Structural Special Inspections: Structural special inspections include inspections of structural items required by the IBC as adopted by the current Minnesota State Building Code, and other items, which in the professional judgment of the Structural Engineer of Record, are critical to the integrity of the building structure and are indicated to be performed under the requirements of this section. They do not include special inspections for non-structural items such as fireproofing, EIFS, and smoke control systems.

D. Structural Testing: Structural testing includes those tests of structural items required by the IBC as adopted by the current Minnesota State Building Code, or its referenced standards, and other tests, which in the professional judgment of the Structural Engineer of Record, are critical to the integrity of the building structure and are indicated to be performed under the requirements of this section.

E. Architect of Record: The prime consultant in charge of overall design and coordination of the project.

F. Structural Engineer of Record (SER): The licensed professional engineer in responsible charge of the structural design for the project.

G. Licensed Structural Engineer: A professional engineer with education and experience in the design of structures similar to this project licensed to practice in the State in which the Project is located.

H. Testing Agency (TA): The properly qualified firm performing testing services.

I. Special Inspector (SI): A properly qualified individual or firm performing special inspections.

J. Building Official: The officer or his or her duly authorized representative charged with the administration and enforcement of the building code for the project.

1.04 REFERENCES

A. ASTM C1077-13 – Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation.

B. ASTM C1093-12 - Practice for the Accreditation of Testing Agencies for Unit Masonry.

C. ASTM D3740-12a - Practice for Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction.

D. ASTM E329-14a - Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction.

E. ASTM E543-13 - Practice for Agencies Performing Nondestructive Testing.

F. International Building Code (IBC), 2018.

G. Minnesota State Building Code, 2020.

1.05 QUALIFICATIONS

A. Testing Agency: An approved independent testing agency acceptable to the Owner, Architect, and SER and meeting the following:

1. Authorized to operate in the State in which the Project is located and experienced with the requirements and testing methods specified in the Contract Documents.

2. Meet applicable requirements of References stated in Part 1, paragraph 4.

3. Have available testing equipment that is calibrated, at reasonable intervals, by devices of accuracy traceable to either the National Bureau of Standards, or to accepted values of natural physical constants.

4. Provide individuals performing tests and taking samples with appropriate certifications for work performed.

B. Special Inspector: Either an appropriately certified inspector or a civil/structural engineer performing under the direct supervision of a licensed structural engineer (as defined earlier in this section) and acceptable to the SER and Building Official. Unique special inspector requirements, for specific materials and systems, are noted in related technical specification sections.

1.06 RESPONSIBILITIES

A. Special Inspectors:

1. Inspect the work assigned for conformance with the building department approved plans, specifications, and applicable material and workmanship provisions of the code. Perform inspection in a timely manner to avoid

delay of work.

2. Bring nonconforming items to the immediate attention of the contractor for correction. If not corrected within 24 hours or if inspector will not be on site the following day, bring to the attention of the SER by the end of the business day. If uncorrected after a reasonable period of time, bring to the attention of the Building Official, and to the Architect. Notify SER immediately if non-conforming items are enclosed, embedded, or obscured prior to verification of correction.

3. Submit inspection reports to the Building Official, Contractor, the Architect, the SER, and other designated persons in accordance with the structural testing and special inspection schedule.

4. Submit a final signed report stating whether the work requiring special inspection was, to the best of his/her knowledge, in conformance with the approved plans, specifications and the applicable workmanship provisions of the code.

5. Sign the Statement of Special Inspections in conjunction with other responsible parties.

6. Attend preconstruction meeting to review scope of special inspection.

B. Testing Agency:

1. Test the work assigned for conformance with the building department approved plans, specifications, and applicable material provisions of the documents. Perform tests in a timely manner to avoid delay of work.

2. Submit test reports to the Building Official, Contractor, the Architect, the SER, and other designated persons in accordance with the structural testing and special inspection schedule.

3. Sign the structural testing and special inspection schedule in conjunction with other responsible parties.

4. Attend a preconstruction meeting to review scope of structural testing.

C. Contractor:

1. Attend a preconstruction meeting to review scope of structural testing and special inspection.

2. Post or make available the structural testing and special inspection schedule within its office at the job site. Also, provide adequate notification to those parties designated on the schedule so they may properly prepare for and schedule their work.

3. Provide special inspectors access to the approved plans and specifications at the job site.

4. Review all reports issued by special inspectors.

5. Retain, at the job site, all reports submitted by the special inspectors for review on the Building Official's request.

6. Correct deficiencies identified in inspection or testing reports in a timely manner.

7. Provide safe access to the work requiring inspection or testing.

8. Provide labor and facilities to provide access to the work, to obtain, handle and deliver samples, to facilitate testing and inspection and for storage and curing of test samples.

9. Verify conformance of the work with specified construction tolerances.

10. Inspections by Building Official: Provide adequate notice for inspections performed by the building official, as required by the Minnesota State Building Code and local ordinances.

11. Sign the Statement of Special Inspection in conjunction with other responsible parties prior to commencing construction.

D. Fabricator:

1. Submit a Certificate of Compliance to the Building Official, Special Inspector, and SER that the work was performed in accordance with the approved plans and specifications.

2. Sign the Statement of Special Inspection in conjunction with other responsible parties prior to commencing construction.

E. Owner:

1. Establish direct funding to provide for cost of structural testing and special inspection services.

2. Provide special inspector with approved plans, specifications and approved shop drawings.

3. Provide special inspectors and testing agencies with full access to the site at all times.

4. Sign the Statement of Special Inspection in conjunction with other responsible parties.

1.07 PAYMENT

A. Owner or Architect/SER, acting as the Owner's agent, will employ and pay for services of the special inspectors and testing agency to perform required structural testing and special inspection.

B. Unless noted otherwise, the Contractor shall provide and pay for all materials, samples, mock-ups, and assemblies required for testing and inspection and shall pay for shipping costs related to delivery of such items. Testing agency will pay for shipping costs of samples transported from site to lab.

C. If items requiring testing or inspection are enclosed, embedded or obscured prior to testing or inspection or if such items are placed without tests or inspections, the Contractor shall pay for the costs of any exploratory work deemed necessary by the Architect/SER to verify compliance with the Contract Documents.

D. Contractor shall pay for the costs of any retests or re-inspections caused by work that does not comply with the Contract Documents based on initial tests or inspections, or work that is later revised or replaced by the Contractor. This does not include revisions requested by the Owner.

1.08 INSPECTION NOTICE

A. Provide minimum of 24 hours notice for all items requiring testing or inspection. Items requiring testing and inspection services prior to or during placement shall not be placed until testing and inspection services are available. Items requiring testing and inspection services after placement shall not be enclosed or obscured until testing and inspection services are performed.

1.09 REPORTS

A. Testing agency and special inspectors shall submit reports for structural testing and special inspection in a timely manner to the Contractor, Building Official, SER, and Architect of Record. Provide reports of daily activities to the SER and Contractor. Submit reports to the Contractor on a daily basis and to the SER on a daily or weekly basis. Provide summary reports to the Building Official and Architect on a monthly basis unless they request otherwise.

B. Provide reports for ongoing work, containing the following information:

1. Date issued.

2. Project title and number.

3. Firm name and address.

4. Name and signature of tester or inspector.

5. Date and time of sampling, test, or inspection.

6. Identification of product and specification section.

7. Location in project, including elevations, grid location and detail.

8. Type of test or inspection.

9. Whether test specimens, test results or observations indicate compliance with Contract Documents. Specifically state any discrepancies

10. Types and locations of discrepancies found in work

11. Work required performed to correct discrepancies and work performed to correct previously noted discrepancies. Discrepancies corrected during an inspection need not be reported

12. Submit certified final special inspection report stating that, to the best of the special inspector's knowledge, the work requiring special inspection conformed to the Construction Documents.

1.10 FREQUENCY OF TESTING AND INSPECTION

A. For detailed requirements, see individual technical specification sections and the structural testing and special inspection schedule.

1.11 PROTECTION AND REPAIR

A. Upon completion of testing, sample-taking, or inspection, the Contractor shall repair damaged work and restore substrates and finishes to eliminate deficiencies, including deficiencies in the visual qualities of exposed surfaces, as judged solely by the Architect/SER. Protect work exposed by or for testing and/or inspection and protect repaired work. Repair and protection is the Contractor's responsibility, regardless of the assignment of responsibility for testing and/or inspection.

1.12 TESTS TO DEMONSTRATE QUALIFICATION

A. Any tests required to qualify the Contractor or the workers for any phase of the work, shall be performed at no additional cost to the Owner.

B. If the Contractor proposes a product material, method, or other system that has not been pre-qualified, the Architect/SER may require applicable tests to establish a basis for acceptance or rejection. The Contractor shall pay for these tests.

C. The Architect/Engineer of Record reserves the right to require certification or other proof that the system proposed is in compliance with specified tests, criteria or standards. A representative of an independent testing agency shall sign the certificate.

1.13 STATEMENT OF SPECIAL INSPECTIONS

A. The parties involved shall complete and sign the Statement of Special Inspection. Statement to be complete at time of permit issuance.

B. The completed Statement is an element of the construction documents and after permit issuance, becomes part of the building department approved plans and specifications.

END OF SECTION 01 45 33

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Examination, preparation, and general installation procedures.
B. Pre-installation meetings.
C. Cutting and patching.
D. Surveying for laying out the work.
E. Cleaning and protection.
F. Starting of systems and equipment.
G. Substantial Completion and Final Completion procedures, including Contractor's Correction Punch List, except payment procedures.

1.02 QUALIFICATIONS

A. For surveying work, employ a land surveyor registered in the State in which the Project is located and acceptable to Architect. Submit evidence of surveyor's Errors and Omissions insurance coverage in the form of an Insurance Certificate. Employ only individual(s) trained and experienced in collecting and recording accurate data relevant to ongoing construction activities,

1.03 COORDINATION

A. See Section 01 10 00 for occupancy-related requirements.
B. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
C. Notify affected utility companies and comply with their requirements.
D. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
E. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
F. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
G. Coordinate completion and clean-up of work of separate sections.
H. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

PART 2 PRODUCTS

2.01 PATCHING MATERIALS

A. New Materials: As specified in product sections; match existing products and work for patching and extending work.
B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.
B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.
C. Examine and verify specific conditions described in individual specification sections.

D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.
E. Verify that utility services are available, of the correct characteristics, and in the correct locations.

3.02 PREPARATION

A. Clean substrate surfaces prior to applying next material or substance.
B. Seal cracks or openings of substrate prior to applying next material or substance.
C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 PREINSTALLATION MEETINGS

A. When required in individual specification sections, convene a preinstallation meeting at the site prior to commencing work of the section.
B. Require attendance of parties directly affecting, or affected by, work of the specific section.
C. Notify Architect thirty days in advance of meeting date.
D. Prepare agenda and preside at meeting:
    1. Review conditions of examination, preparation and installation procedures.
    2. Review coordination with related work.
E. Contractor to record minutes and distribute copies within two days after meeting to participants, with electronic copies to Architect, Owner, participants, and those affected by decisions made.

3.04 LAYING OUT THE WORK

A. Verify locations of survey control points prior to starting work.
B. Promptly notify Architect of any discrepancies discovered.
C. Contractor shall locate and protect survey control and reference points.
D. Control datum for survey is that indicated on drawings.
E. Protect survey control points prior to starting site work; preserve permanent reference points during construction.
F. Promptly report to Architect the loss or destruction of any reference point or relocation required because of changes in grades or other reasons.
G. Replace dislocated survey control points based on original survey control. Make no changes without prior written notice to Architect.
H. Utilize recognized engineering survey practices.
I. Establish elevations, lines and levels. Locate and lay out by instrumentation and similar appropriate means:
    1. Site improvements including pavements; stakes for grading, fill and topsoil placement; utility locations, slopes, and invert elevations.
    2. Grid or axis for structures.
    3. Building foundation, column locations, ground floor elevations.
J. Periodically verify layouts by same means.
K. Maintain a complete and accurate log of control and survey work as it progresses.

3.05 GENERAL INSTALLATION REQUIREMENTS

A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.
B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.
C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.
D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
E. Make neat transitions between different surfaces, maintaining texture and appearance.

3.06 CUTTING AND PATCHING

A. Whenever possible, execute the work by methods that avoid cutting or patching.

B. Perform whatever cutting and patching is necessary to:
   1. Complete the work.
   2. Fit products together to integrate with other work.
   3. Provide openings for penetration of mechanical, electrical, and other services.
   4. Match work that has been cut to adjacent work.
   5. Repair areas adjacent to cuts to required condition.
   6. Repair new work damaged by subsequent work.
   7. Remove samples of installed work for testing when requested.
   8. Remove and replace defective and non-complying work.
C. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing.
D. Employ skilled and experienced installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.
E. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.
F. Restore work with new products in accordance with requirements of Contract Documents.
G. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
H. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 07 84 00, to full thickness of the penetrated element.
I. Patching:
   1. Match color, texture, and appearance.
   2. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.

3.07 PROTECTION OF INSTALLED WORK

A. Protect installed work from damage by construction operations.
B. Provide special protection where specified in individual specification sections.
C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
F. Protect work from spilled liquids. If work is exposed to spilled liquids, immediately remove protective coverings, dry out work, and replace moisture soaked materials.
G. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.
H. Prohibit traffic from landscaped areas when possible. Repair when damaged.
I. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

3.08 SYSTEM STARTUP

A. Coordinate schedule for start-up of various equipment and systems.
B. Coordinate start-up schedule with Architect and Owner prior to start-up of each item.
C. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage.
D. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
E. Verify that wiring and support components for equipment are complete and tested.
F. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.

G. When specified in individual specification Sections, require manufacturer to provide authorized representative to be present at site to inspect, check, and approve equipment or system installation prior to start-up, and to supervise placing equipment or system in operation.

H. Submit a written report that equipment or system has been properly installed and is functioning correctly.

3.09 DEMONSTRATION AND INSTRUCTION

A. See Section 01 79 00 - Demonstration and Training.

3.10 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

3.11 FINAL CLEANING

A. Execute final cleaning prior to Substantial Completion.

B. Use cleaning materials that are nonhazardous.

C. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.

D. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.

E. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.

F. Replace filters of operating equipment as specified in Divison 23 specifications

G. Clean debris from roofs, gutters, downspouts, scuppers, overflow drains, area drains, and drainage systems.

H. Clean site; sweep paved areas, rake clean landscaped surfaces.

I. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do not burn or bury.

3.12 SUBSTANTIAL AND FINAL COMPLETION PROCEDURES

A. Make submittals that are required by governing or other authorities.

1. Provide copies to Architect and Owner.

B. Obtain and submit to the Architect a Certificate of Occupancy from AHJ.

C. Provide preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion.

D. Notify Architect in writing when work is considered ready for Architect's Substantial Completion inspection.

E. Architect will visit the project to evaluate the request for issuance of a Certificate of Substantial Completion.

1. If the Architect concurs that the Project is substantially complete, the Architect will deliver a Certificate of Substantial Completion and a list of work items necessary for completion or correction prior to request for inspection for final completion.
2. If the Architect determines that the work is not substantially complete, the Architect will deliver to the Contractor a written statement including reasons.

F. Complete work on the items required by the Architect for achieving substantial completion and make additional written requests for issuance of a Certificate of Substantial Completion until the Architect determines that sufficient Work has been performed.

G. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's Substantial Completion inspection.

H. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect's and Contractor's comprehensive list of items identified to be completed or corrected and submit to Architect.

I. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied areas.

J. When the punchlist work is considered complete, submit written certification that:
    1. When work is considered finally complete and ready for Architect's Final Completion inspection.
    2. The Building Permit has been finaled by the AHJ and submit a copy for the Architects and Owners record.

K. Architect will make an inspection to verify the status of completion with reasonable promptness after receipt of such certification.
    1. Should Architect consider that the Work is incomplete or defective:
        a. Architect will notify the Contractor in writing, listing the incomplete or defective work.
            1) Take immediate steps to remedy the stated deficiencies, and send a second written certification to Architect that the Work is complete.
            2) Architect will reinspect the Work.
    2. Should Architect perform reinspections due to failure of the Work to comply with the claims of status of completion made by the Contractor:
    3. Owner will compensate Architect for such additional services.
        a. Owner will deduct the amount of such compensation from the final payment.

END OF SECTION 01 70 00

SECTION 01 79 00
DEMONSTRATION AND TRAINING

PART 1 GENERAL

1.01 SUMMARY

A. Demonstration of products and systems where indicated in specific specification sections.

B. Training of Owner personnel in operation and maintenance is required for:
   1. All software-operated systems.
   2. HVAC systems and equipment.
   3. Plumbing equipment.
   4. Electrical systems and equipment.
   5. Conveying systems.
   6. Items specified in individual product Sections.

C. Training of Owner personnel in care, cleaning, maintenance, and repair is required for:
   1. Roofing, waterproofing, and other weather-exposed or moisture protection products.
   2. Finishes, including flooring, wall finishes, ceiling finishes.
   3. Fixtures and fittings.
   4. Items specified in individual product Sections.

1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Draft Training Plans: Owner will designate personnel to be trained; tailor training to needs and skill-level of attendees.
   1. Submit not less than four weeks prior to start of training.
   2. Revise and resubmit until acceptable.
   3. Provide an overall schedule showing all training sessions.
   4. Include at least the following for each training session:
      a. Identification, date, time, and duration.
      b. Description of products and/or systems to be covered.
      c. Name of firm and person conducting training; include qualifications.
      d. Intended audience, such as job description.
      e. Objectives of training and suggested methods of ensuring adequate training.
      f. Methods to be used, such as classroom lecture, live demonstrations, hands-on, etc.
      g. Media to be used, such a slides, hand-outs, etc.
      h. Training equipment required, such as projector, projection screen, etc., to be provided by Contractor.

C. Training Manuals: Provide training manual for each attendee as designated by the Owner:
   1. Include applicable portion of O&M manuals.
   2. Include copies of all hand-outs, slides, overheads, video presentations, etc., that are not included in O&M manuals.
   3. Provide one extra copy of each training manual to be included with operation and maintenance data.

D. Video Recordings: Submit digital video recording of each demonstration and training session for Owner's subsequent use.
   1. Format: DVD Disc.
   2. Label each disc and container with session identification and date.

1.03 QUALITY ASSURANCE

A. Instructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of the relevant products and systems.
   1. Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.

2. Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 DEMONSTRATION - GENERAL

A. Demonstrations conducted during system start-up do not qualify as demonstrations for the purposes of this section, unless approved in advance by Owner.

B. Demonstrations conducted during Functional Testing need not be repeated unless Owner personnel training is specified.

C. Demonstration may be combined with Owner personnel training if applicable.

D. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shut-down, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.

1. Perform demonstrations with-in one month after Substantial Completion, unless directed differently by the Owner.
2. For equipment or systems requiring seasonal operation, perform demonstration for other season within eight months.

E. Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.

1. Perform demonstrations with-in one month of Substantial Completion, unless directed differently by the Owner.

F. Demonstration and Training Recording: Record each training module separately. Include classroom instructions and demonstrations, board diagrams, and other visual aids, but not student practice.

1. At beginning of each training module, record each chart containing learning objective and lesson outline.
2. Submit media to Owner with-in two weeks of date the Demonstration and Training occured.

3.02 TRAINING - GENERAL

A. Conduct training on-site unless otherwise indicated.

B. Owner will provide classroom and seating at no cost to Contractor.

C. Provide training in minimum two hour segments.

D. Training schedule will be subject to availability of Owner's personnel to be trained; re-schedule training sessions as required by Owner; once schedule has been approved by Owner failure to conduct sessions according to schedule will be cause for Owner to charge Contractor for personnel "show-up" time.

E. Review of Facility Policy on Operation and Maintenance Data: During training discuss:

1. The location of the O&M manuals and procedures for use and preservation; backup copies.
2. Typical contents and organization of all manuals, including explanatory information, system narratives, and product specific information.
3. Typical uses of the O&M manuals.

F. Product- and System-Specific Training:

1. Review the applicable O&M manuals.
2. For systems, provide an overview of system operation, design parameters and constraints, and operational strategies.
3. Review instructions for proper operation in all modes, including start-up, shut-down, seasonal changeover and emergency procedures, and for maintenance, including preventative maintenance.
4. Provide hands-on training on all operational modes possible and preventive maintenance.
5. Emphasize safe and proper operating requirements; discuss relevant health and safety issues and emergency procedures.
6. Discuss common troubleshooting problems and solutions.
7. Discuss any peculiarities of equipment installation or operation.

8. Discuss warranties and guarantees, including procedures necessary to avoid voiding coverage.
9. Review recommended tools and spare parts inventory suggestions of manufacturers.
10. Review spare parts and tools required to be furnished by Contractor.
11. Review spare parts suppliers and sources and procurement procedures.

G. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.

3.03 DEMONSTRATION

A. Manufacturer's onsite field technician shall demonstrate the operation of items specified in the specific Technical Sections to the Owner.

1. A video outlining the operation of the item or system, scheduled maintenance, basic troubleshooting and care of the item or system shall be provided to the Owner by the manufacturer.

END OF SECTION 01 79 00

SECTION 01 91 13
GENERAL COMMISSIONING REQUIREMENTS

PART 1 GENERAL

1.01 SUMMARY

A. Commissioning is intended to achieve the following specific objectives; this section specifies the Contractor's responsibilities for commissioning:
   1. Verify that the work is installed in accordance with Contract Documents and the manufacturer's recommendations and instructions, and that it receives adequate operational checkout prior to startup: Startup reports and Prefunctional Checklists executed by Contractor are utilized to achieve this.
   2. Verify and document that functional performance is in accordance with Contract Documents: Functional Tests executed by Contractor and witnessed by the Commissioning Authority are utilized to achieve this.
   3. Verify that operation and maintenance manuals submitted to Owner's Spec Term are complete: Detailed operation and maintenance (O&M) data submittals by Contractor are utilized to achieve this.
   4. Verify that the Owner's Spec Term's operating personnel are adequately trained: Formal training conducted by Contractor is utilized to achieve this.

B. The Commissioning Agent directs and coordinates all commissioning activities; this section describes some but not all of the Commissioning Authority's responsibilities.
   1. The Commissioning Agent is employed by Owner's Spec Term under separate contract for the scope of work in this specification.
   2. The Commissioning agent shall coordinate the scheduling of all commissioning meetings with all team members.
   3. The Commissioning Agent is not responsible for construction means, methods, job safety, or any construction management functions on the job site.

C. Each Contractor shall cooperate and allocate appropriate time to assist in the completion of all commissioning work as described herein including providing all services requiring tools or the use of tools to start-up, test, adjust or otherwise bring equipment and systems into a fully operational state.
   1. The Commissioning Agent shall coordinate and observe these procedures, but shall not perform construction or technician services.
   2. No additional costs will be allowed for required commissioning work.
   3. Systems Operation:
      a. Systems shall be fully operation prior to beginning on-site commissioning testing procedures. The Commissioning Agent shall work directly with the Building Automation System Contractor to receive the sign-off of all self performed functional tests prior to starting on-site testing procedures.

1.02 SCOPE OF COMMISSIONING

A. The following are to be commissioned:
B. Mechanical Systems:
   1. The Commissioning process provides a systematic method to ensure all systems are installed and operating to meet the design intent of the project. The primary focus is the Building Automation System. Building Automation System verification will include point-to-point functional performance testing, sequence of operation testing, and alarm verification. In addition, the following items shall be verified:
      a. The Commissioning process provides a systematic method to ensure all systems are installed and operating to meet the design intent of the project. The primary focus is the Building Automation System. Building Automation System verification will include point-to-point functional performance testing, sequence of operation testing, and alarm verification.
         1) In addition, the following items shall be verified:
            (a) Hydronic System Flush and Fill.
            (b) Test and Balance Verification.

(c) Equipment Start-up Verifcation.
(d) Systems Training Verification.

2) A successful commissioning outcome requires participation from all of the construction team and sub-contractors, the Owner's Representative, the Architect and Engineer, and Test and Balance Contractor. The Commissioning Agent will conduct regular team meetings starting in construction and continuing through project closeout.

3) Specific requirements of the construction team are delineated within this specification section as well as specific requirements may be noted in other Division 23 sections.

4) The Building Automation System contractor is required to self perform system point-to-point functional tests and provide signed-off checklists as a formal notification that the systems are installed and ready for the Commissioning Agent to begin field testing. Refer to Specification Section 23 09 00 "Building Automation System."

C. Electrical Systems:
1. Power quality.
2. Solar photovoltaic system (Alternate No. 1)
3. Variable frequency drives.
4. Lighting controls other than manual switches.
5. Electronic Safety and Security:
a. Security system, including doors and hardware.
b. Fire and smoke alarms.

D. Communications:
1. Voice and data systems.
2. Public address/paging.

E. Other equipment and systems explicitly identified elsewhere in Contract Documents as requiring commissioning.

1.03 DEFINITIONS

A. Commissioning Plan: A document prepared by the Commissioning Agent to clearly communicate the commissioning approach and process to all team members. Elements of the commissioning plan include documentation of all team members and contact information, proposed milestone schedule, allocation of resources, and description of the key elements of the commissioning process.

B. Contractor: A member as designated of the construction team including but not limited to the Construction Manager/Construction Manager at Risk/General Contractor, Mechanical Contractor, Building Automation System Contractor, and/or Electrical Contractor.

C. Commissioning Agent: The designated lead person of the commissioning team.

D. Design Team: The Architect and Engineers responsible for the contract documents.

E. Deficiency Log: An issue tracking form prepared by and maintained by the Commissioning Agent. The log form shall include space for designating responsible parties, sign-offs, dates, and additional comments.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures; except:

B. The Commissioning Agent shall submit the following documents to the Owner's Representative and Design Team as required by this specification section. The schedule for submission of these documents shall be identified within the commissioning plan:
1. Observation Reports:
a. To follow each site visit to document construction progress and identify issues or deficiencies.
2. Commissioning Plan with a detailed milestone schedule to assist in coordinating the participation of all construction team members, Owner's Representative and design team:
a. To be submitted within 60 days of the award of the commissioning contract.
3. Flush and Fill Validation:
a. To be submitted upon completion of the system flush and fill certifying that the procedures were witnessed and are in compliance with the specification requirements.

4. Equipment Start-up Validation:
    a. To be submitted upon completion of all equipment start-up. The intent is that all equipment is started in accordance with Specification requirements. Include factory start-up reports where required.
5. Test and Balance Validation:
6. To be submitted upon review of the certified Test and Balance report prepared by the Test and Balance Contractor.
7. Owner's Training Validation:
    a. To be submitted upon completion of all Owner training. The intent is that all training is completed in accordance with specification requirements.
8. Final Report:
    a. To be submitted upon final closeout of all deficiencies to document all activities through the commission process.

C. Additional submittal requirements for construction team members are noted in other Division 22 and 23 Specification Sections.

1.05 ROLES AND RESPONSIBILITIES

A. All parties involved in the construction process shall be involved in the commissioning process. Following is a description of the responsibilities of each party:

B. Owner/Owner's Representative:
1. Review and Comment on reports and deficiency logs.
2. Attend commissioning meetings.
3. Provide final approval for the successful completion of the commission process.

C. Design Team:
1. Attend commissioning meetings.
2. Resolve interpretations of the design intent and requirements of the contract documents.
3. Provide direction to the design team as required to closeout issues identified on the observation reports and deficiency logs.
4. Review contractor application for payment. Withhold payment as necessary to track construction progress.
5. Review and approve Operation and Maintenance manuals.

D. Commissioning Agent
1. Communicate important milestone schedule dates to the appropriate team members.
2. Coordinate and conduct commissioning team meetings.

E. Construction Team:
1. Implement commissioning tasks identified in this specification section and other Division 22 and 23 specification sections.
2. Include the costs of all commissioning activities in the contract price. No additional costs will be allowed.
3. Provide and document all test procedures required by this and other Specification Sections.
4. Complete corrective actions directed by the Design Team.

F. Test and Balance Contractor:
1. Submit test and balance work plan to include milestone schedule to the Commissioning Agent for review.
2. Provide a preliminary test and balance report prior to substantial completion to verify ventilation air quantities as necessary to obtain the occupancy permit.
3. Assist the Commissioning Agent to verify documentation of the test and balance activities.
4. Provide a final test and balance report.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 MECHANICAL COMMISSIONING DESCRIPTION

A. The purpose of the commissioning process is to provide the Owner assurance that the mechanical systems have been installed and are operating to meet the design intent. The Commissioning Agent shall provide the Owner with an unbiased, objective view of the system's installation, operation, and performance. The Commissioning Agent will coordinate all commissioning activities with the design professionals, construction manager, contractors, subcontractors, manufacturers and equipment suppliers.

B. Commissioning work is a collaborative team effort and will include fine-tuning of control sequences and operational procedures. Commissioning will coordinate system documentation, equipment start-up, control system calibration, testing and balancing, and verification testing.

C. The commissioning team shall be made up of representatives from the owner, design professionals and construction trades. The trades represented on the commissioning team shall include, but not be limited to, sheet metal, piping and fitting, building automation, test and balance, and electrical. The lead person for each trade who will actually perform or supervise the work is to be designated as the representative to the commissioning team. Responsibility for various steps of the commissioning process shall be divided among the members of the commissioning team, as described in this section.

3.02 MECHANICAL/ELECTRICAL COMMISSIONING AGENT WORK SCOPE

A. Construction Phase:

1. Provide commissioning milestone date information to be incorporated into the overall project schedule. Coordinate with the prime mechanical contractor to develop the schedule. Coordinate with the General Contractor or Construction Manager to incorporate in to the overall schedule.
2. Provide a written commissioning plan document to clearly identify the roles and responsibilities of all commissioning team members, specific milestone dates that are incorporated into the overall project schedule, and an outline of the scope of all required field testing. The field testing scope is identified in the Building Acceptance Phase of this specification section.
3. Perform periodic construction site visits concurrent with the installation of the mechanical systems through substantial completion. Provide construction observation reports to identify equipment and system installation deficiencies related to the ability to complete systems testing for the project and for compliance with the plans and specifications.
4. Review submittals (shop drawings) for testability of ventilation equipment, temperature controls, and other water and air flow control devices.
5. Coordinate and conduct regular commissioning team meetings to clearly develop an understanding of the roles and expectations of all construction team members. Identifying deviations from the construction schedule as it relates to completing site testing and developing a plan as necessary to get the project on schedule shall be a primary focus of the meeting. Meetings shall occur weekly during construction leading up to substantial completion and continue at a minimum bi-weekly until all project issues are closed out.
6. Coordinate and direct the system-inspection activities in a logical, sequential, and efficient manner using consistent protocols and forms, centralized documentation, clear and regular communications and consultations with all necessary parties, and frequently updated timelines and schedules and technical expertise.
7. Provide project-specific pre-functional tests and checklists. Checklists shall be distributed to the Building Automation Contractor early in the construction process to set the expectation for testing. Gather and review the current control sequences to include the approved control submittals and subsequent construction changes. Coordinate with the contractors and the design engineer to resolve any discrepancies.
8. Develop and implement equipment specific start-up test procedures to validate major equipment start-up by contractors. Verify checklists and witness start-up of equipment.

9. Witness the hydronic system flushing procedures performed by the contractor and provide a report of all activities to demonstrate compliance with the specification requirements.
10. Coordinate and lead a test and balance kick-off meeting to include the Test and Balance Contractor, Building Automation System Contractor, and the Mechanical Contractor prior to the commencement of preliminary system balancing to establish quality expectations.

B. Building Acceptance Phase:
1. Perform HVAC system functional performance testing through the front end controls interface. It is the intent of the functional performance testing to verify that the system components are wired and mapped correctly in the automation system and that the controlled components act as commanded through their full range of motion. Coordinate with the Building Automation System contractor for access to building automation system necessary to perform testing. Provide staff as necessary to witness functional tests on devices concurrent with responses on the front-end interface. The extent of the functional performance testing is defined by specification section 23 09 93 "BAS Sequence of Operations". Testing shall include:

C. 100% point to point verification of all HVAC component operations.
1. Perform HVAC system sequence testing through the front end controls interface. It is the intent of the sequence testing to verify that the system components are controlled to accomplish the intent of the control sequences as written in specification section 23 09 93 "BAS Sequence of Operations". Coordinate with the Building Automation System Contractor for access to building automation system necessary to perform testing. Provide staff as necessary to witness sequence tests on devices concurrent with responses on the front-end interface. The extent of sequence testing is defined by specification section 23 09 93 "BAS Sequence of Operations". Testing shall include:
   a. 100% verification of system sequences of control
   b. 100% alarm verification
   c. 100% graphic representation accuracy.
2. At the conclusion of each scheduled testing session, provide a corrective action report to the construction team. The corrective action report shall be a running log of all corrective action items to document deficiencies and to track correction progress.
3. Perform follow-up inspections as necessary to verify that corrective action items are complete. Requests for additional fees for testing will not be accepted.
4. Conduct regular Commissioning Team meetings through conclusion of all testing to review the deficiency log and set schedule expectations on the Contractor.
5. All seasonally dependent system and control operations shall be tested in the appropriate season as weather permits. The testing schedule will be coordinated based on the project needs.
6. Coordinate and oversee the work of the Test and Balance contractor. Review the Test & Balance report for accuracy and spot check report values in the field. Verification of ventilation air flows shall include verification that air flow stations are calibrated and reading within expected tolerance range.

D. Building Turnover/Occupancy Phase:
1. Review the Operations and Maintenance manuals for both projects for accuracy and completeness. Provide comments to the Owner and project team.
2. Review all as-built drawings for the projects for accuracy and completeness. Provide comments to the Owner and project team.
3. Develop and submit a final Commissioning Report including a summary of the commissioning scope, a copy of all generated documentation and associated correspondence, and a copy of all field-testing results. The final commissioning report shall be delivered no later than one year after substantial completion.
4. Document that all training of owner personnel as required by the specification has been provided.
5. Attend the 11-month walk-thru sessions for both projects as directed by the project team, and provide comments to the Owner and project team.

E. Mechanical Systems To Be Commissioned:
   1. It is the intent that the full extent of the building automation system be tested. Refer to specification section 23 09 93 "Sequence of Operations".
   2. At a minimum, the following pieces of mechanical equipment and systems shall be commissioned:
      a. Air handling systems, including air distribution and exhaust systems.
      b. Geothermal system, associated pumps and hot water distribution systems.
      c. DX cooling systems
      d. Electric heating systems
      e. Domestic hot water systems

F. Electrical Systems To Be Commissioned:
   1. At a minimum, the following pieces of electrical equipment and systems shall be commissioned:
      a. Solar photovoltaic system (Alternate No. 1).
      b. Variable frequency drives.
      c. Lighting control systems.

3.03 COMMISSIONING - CONSTRUCTION TEAM WORK SCOPE

A. Commissioning Team:
   1. The General Contractor/Construction Manager/Construction Manager at Risk and each contractor shall designate a single individual as the primary contact for all commissioning activities.

B. Construction Schedule:
   1. The overall construction schedule and scheduling the work of all trades is the responsibility of the construction team. The commissioning process does not relieve any contractors from their obligation to complete all portions of work in a satisfactory manner.

C. Commissioning Team Meetings:
   1. Commissioning team meetings will be scheduled regularly starting in construction and continuing through project closeout. Meetings should be anticipated to be weekly. Costs to cover meeting activities shall be included in the Contractor's bid. Attendance at meetings is mandatory for all contractors with open issues.

D. Submittal Review:
   1. The Commissioning Agent will be copied on all submittals reviewed by the Design Team. Submittals shall include the manufacturer's recommended start-up procedures or testing checklist. In addition, any equipment provided with factory packaged stand-alone controllers shall be provided with written control sequences and documentation of the controller point list.
   2. The Building Automation System submittal shall be copied to the Commissioning Agent for preliminary review and comment upon the initial distribution to the Design Team. The Commissioning Agent will provide comments to the Design Team to consolidate comments prior to returning to the Contractor. The final reviewed submittal will be used by the Commissioning Agent to develop checklists and testing procedures.

E. Observation Reports:
   1. The Commissioning Agent will perform periodic site inspections to review the installation for compliance with the construction documents and for specific features related to testability of ht systems. Site observation reports will be prepared and distributed to all Commissioning Team members. The Design Team will resolve any disputes related to the scope of intent of the construction drawings.

F. Construction Checklists:
   1. Will be developed and distributed by the Commissioning Agent to the Construction Team. The checklists contain criteria for accepting the equipment related to delivery, installation, and start-up.
   2. Shall be completed by the installing contractor verifying that the installation is complete in conformance to the requirements of the construction documents and the manufacturer's installation guidelines. Checklists shall be completed and reviewed prior to start-up.

G. Air and Balance Verification
   1. Provide a preliminary Test and Balance report to the Commissioning Agent for review prior to Substantial Completion of the project. The report shall include draft forms and Test and Balance procedures, the preliminary report shall include documentation of ventilation air flows as may be required for the occupancy permit.
   2. The final Test and Balance report will be reviewed for completeness and accuracy by the Commissioning Agent.
   3. The Test and Balance Contractor shall provide a field technician to work with the Commissioning Agent to verify accuracy and measurements documented in the Test and Balance report. Refer to paragraph B of this section for the scope of the verification process.

H. Functional Performance Testing
   1. On-site testing will be scheduled by the Commissioning Agent upon notification that the systems are fully operational and ready for testing. Notification by the Construction Team to the Commissioning Agent shall include the following:
      a. Construction checklists (including as required factory start-up reports).
      b. Preliminary Test and Balance Report.
      c. The Building Automation System Contractor shall return all required self performed functional test checklists as required in Part 3 of Specification Section 23 09 00 "Building Automation System".
      d. Manufacturer's written test report on electrical systems that they have been tested, approved and commissioned by the manufacturer for the following systems:
         1) Solar photovoltaic system (Alternate No. 1).
         2) Variable frequency drives.
         3) Lighting control systems.
   2. The Construction Team shall assist the Commissioning Agent to test the building systems in all modes of operation to ensure the components, systems and facility operate as intended for building turnover. Testing by the Commissioning Agent will include a minimum the following:
      a. Functional Performance Verification:
         1) 100% verification of all physical control points including sensor calibration and status, and output verifications. These tests shall be performed by physically measuring the condition at the sensor, observing the device state, or verifying the device action, and comparing to the value or command on the automation system graphic.
      b. Alarm Verifications:
         1) Alarm devices should be tripped, and verifying the appropriate alarm is displayed on the graphic and/or sent out as specified.
      c. Graphics Review:
         1) Verify that the automation system graphics accurately depict the actual equipment or systems, and are navigable as specified. This includes, but is not limited to: sensor or device locations on an equipment graphic matches the actual location, graphic floorplans are navigable as specified, trends and schedules are accessible, and links operate properly.
      d. Sequence Verifications:
         1) After proving the automation system points during point to point verifications, all control sequences included in the construction documents will be verified. Sequence testing will include normal operating mode and any emergency failure or standby power sequences.
      e. Integrated System Tests:
         1) Perform tests to ensure that pieces of individual equipment operate together in a system properly, and the systems operate with other systems together as a whole.

3. The Commissioning Agent will develop and witness all testing procedures. The Contractor will be required to assist in functional testing, including, but not limited to: providing access to equipment and components, the use of ladders, lifts, scaffolding and platforms, removal of access panels, opening of equipment, manipulation or operation of equipment or components, etc.
    a. After the Commissioning Agent has reviewed and accepted contractor checkout documents, Commissioning Agent witness testing will be coordinated between the Commissioning Agent and the appropriate contractors.
    b. The Contractor shall assist the Commissioning Agent with all functional testing, as required by the Commissioning Agent.
    c. The Contractor shall provide necessary setpoints on all monitor screens so that all sequences of operation can be functionally tested or assist with all sequence testing that cannot be performed with current monitor screen setpoints.
    d. The Contractor shall provide the Commissioning Agent proper system access ability to fully test the system. This includes appropriate logins and passwords.
4. Testing Failures:
    a. The Contractor may be allowed to correct & retest minor deficiencies immediately at the discretion of the Commissioning Agent. However, the Commissioning Agent reserves the right to document a failure on the deficiency list and move on to other testing if the issue will take longer than 5 minutes to correct, or if excessive failures are discovered.
    b. If 10%, or 3 instances, whichever is greater, of similar deficiencies are encountered during any portion of the commissioning process, the Commissioning Agent reserves the right to cease further testing or inspections of that particular item and identify the issue as a failure typical of all. The contractor will be responsible for re-verifying 100% of the items before the Commissioning Agent continues testing/inspecting that issue.
    c. The Commissioning Agent will not provide direction to Contractors to make changes to any systems. The Contractor can choose to take responsibility for an item and make corrective actions at their discretion. If the contractor disagrees, or believes that a documented issue is beyond their contracted scope of work, they may respond in writing to the Design Team for review.
    d. A rolling deficiency log will be developed and issued to the Owner and Design Team for appropriate action.
    e. The Commissioning Agent will retest deficiencies one time when notified in writing by the appropriate Contractor that corrective actions were taken. The Contractor shall meet on site with the Commissioning Agent to verify the items noted on the deficiency log are complete.
        1) The Commissioning Agent will notify the Design Team, Owner and Contractor of retesting required by issuing an Additional Services Notification.
            (a) If additional Commissioning Agent testing is required, a deduct change order will be processed to the Contractor(s) to cover the additional testing incurred by the Owner, from the Commissioning Agent.
    f. Seasonal testing may be required if ambient weather conditions do not allow for reasonable testing conditions during the initial functional testing phase to place heating or cooling systems under full load.
    g. It is the Contractor's responsibility to ensure that all system, equipment and component warranties remain in place throughout the startup, commissioning, and training process. The Contractor or Supplier will notify the Owner's Representative in writing if the proposed commissioning activities endanger warranties.
    h. The Contractor shall be responsible for maintaining the Project Record Documents as outlined elsewhere in the contract documents. The Contractor shall record adjustments, changes, and clarifications made during the startup, commissioning and training processes.

I. Training Coordination:

1. The Commissioning Agent will assist the Construction Team to organize and coordinate training. Training is the responsibility of the Construction Team including scheduling factory authorized personnel where required. The Commissioning Agent will work with the Contractors to ensure training is complete and meets the needs of the Owner.
    a. Refer to Section 01 79 00 Demonstration and Training.
2. The Construction Team shall provide an instructional program to the Commissioning Agent for review prior to the start of training. The program shall include the following:
    a. List of each building component and equipment for which the Owner is to receive training.
    b. Proposed schedule including dates and times. The specific planned duration shall be noted.
    c. Instructors name and contact information.
    d. Recommended names and Owner' group required for attendance.
3. The Construction Team shall maintain an attendance record and submit to the Commissioning Agent upon completion of all training.

END OF SECTION 01 91 13

SECTION 03 10 00

CONCRETE FORMING AND ACCESSORIES

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings, Details of Construction, and General Provisions of the Contract, including General and Supplementary Conditions and Division - 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

A. Formwork for cast-in-place concrete, with shoring, bracing and anchorage.

B. Openings for other work.

C. Form accessories.

D. Form stripping.

1.03 RELATED REQUIREMENTS

A. Section 01 45 33 - Structural Testing and Special Inspection

B. Section 03 20 00 - Concrete Reinforcing.

C. Section 03 30 00 - Cast-in-Place Concrete.

D. Section 05 12 00 - Structural Steel Framing: Placement of embedded steel anchors and plates in cast-in-place concrete.

1.04 REFERENCE STANDARDS

A. ACI 117 - Specification for Tolerances for Concrete Construction and Materials 2010 (Reapproved 2015).

B. ACI 301 - Specifications for Concrete Construction 2020.

C. ACI 347R - Guide to Formwork for Concrete 2014 (Reapproved 2021).

D. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2018).

E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2020.

1.05 DESIGN REQUIREMENTS

A. Design, engineer and construct formwork, shoring and bracing to conform to design and code requirements; resultant concrete to conform to required shape, line and dimension.

1.06 SUBMITTALS

A. See Division 1 for submittal procedures.

B. Submit product data for form release agents.

1.07 QUALITY ASSURANCE

A. Perform work of this section in accordance with ACI 347, ACI 301, and ACI 318.

PART 2 PRODUCTS

2.01 FORMWORK - GENERAL

A. Provide concrete forms, accessories, shoring, and bracing as required to accomplish cast-in-place concrete work.

B. Design and construct concrete that complies with design with respect to shape, lines, and dimensions.

C. Chamfer outside corners of beams, joists, columns, and walls.

D. Comply with applicable state and local codes with respect to design, fabrication, erection, and removal of formwork.

E. Comply with relevant portions of ACI 301, ACI 318, and ACI 347R.

2.02 FORM MATERIALS

A. Form Materials: At the discretion of the Contractor.

2.03 FORMWORK ACCESSORIES

A. Form Release Agent: Capable of releasing forms from hardened concrete without staining or discoloring concrete or forming bugholes and other surface defects, compatible with concrete and form materials, and not requiring removal for satisfactory bonding of coatings to be applied.

B. Embedded Anchor Shapes, Plates, Angles and Bars: As specified in Section 05 12 00.

PART 3 EXECUTION

3.01 EXAMINATION

A. Establish a bench mark in an accessible location and use as a reference point for various construction levels. Maintain in an undisturbed condition until final completion.

B. Verify lines, levels and centers before proceeding with formwork. Ensure that dimensions agree with drawings.

3.02 EARTH FORMS

A. Earth forms are not permitted.

3.03 ERECTION - FORMWORK

A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI 301.

B. Provide bracing to ensure stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads.

C. Lay out all work and check general building lines and levels established. Coordinate layout and measurements and if discrepancies arise, report them to the Architect.

D. Keep wood forms wet as necessary to prevent shrinkage.

E. Arrange and assemble formwork to permit dismantling and stripping. Do not damage concrete during stripping. Permit removal of remaining principal shores.

F. Align joints and make watertight. Keep form joints to a minimum.

G. Obtain approval before framing openings in structural members that are not indicated on drawings.

H. Coordinate this section with other sections of work that require attachment of components to formwork.

I. If formwork is placed after reinforcement, resulting in insufficient concrete cover over reinforcement, request instructions from Architect before proceeding.

J. Protect work at all times against the elements and other hazards. Cover and secure work.

3.04 APPLICATION - FORM RELEASE AGENT

A. Apply form release agent on formwork in accordance with manufacturer's recommendations.

B. Apply prior to placement of reinforcing steel, anchoring devices, and embedded items.

C. Do not apply form release agent where concrete surfaces will receive special finishes or applied coverings that are affected by agent. Soak inside surfaces of untreated forms with clean water. Keep surfaces coated prior to placement of concrete.

3.05 INSERTS, EMBEDDED PARTS, AND OPENINGS

A. Provide formed openings where required for items to be embedded in passing through concrete work.

B. Locate and set in place items that will be cast directly into concrete.

C. Coordinate with work of other sections in forming and placing openings, slots, reglets, recesses, sleeves, bolts, anchors, other inserts, and components of other work.

D. Install accessories in accordance with manufacturer's instructions, so they are straight, level, and plumb. Ensure items are not disturbed during concrete placement.

3.06 FORM CLEANING

A. Clean forms as erection proceeds, to remove foreign matter within forms.

B. Clean formed cavities of debris prior to placing concrete.

1. Flush with water or use compressed air to remove remaining foreign matter. Ensure that water and debris drain to exterior through clean-out ports.

2. During cold weather, remove ice and snow from within forms. Do not use de-icing salts. Do not use water to clean out forms, unless formwork and concrete construction proceed within heated enclosure. Use compressed air or other means to remove foreign matter.

3.07 FORMWORK TOLERANCES

A. Construct formwork to maintain tolerances required by ACI 117. See section 03 30 00 for additional requirements.

1. Provide Class B surface for exposed concrete.

2. Provide Class C or Class D surface for concealed concrete.

B. Tolerances given in ACI 117 are not cumulative. Maximum tolerance for any formed surface, except footings, shall be one inch.

3.08 FIELD QUALITY CONTROL

A. Structural Special Inspection

1. Structural Special Inspection shall be performed by qualified parties as specified herein, and in accordance with the provision of Section 01 45 33.

2. Formwork for slabs on grade, strip footings without transverse reinforcement, and topping slabs does not require inspection. Additional exceptions may be noted on the structural drawings.

3. Personnel Qualifications: Special Inspector – Structural I: ICC certified concrete inspector or a graduate civil/structural engineer, or other personnel acceptable to the Structural Engineer of Record (SER), with the experience in the design of structural systems of this type. Inspections shall be performed under the direct supervision of a licensed structural engineer, as defined in Section 01 45 33. The licensed engineer shall review and approve all inspection reports.

4. The Owner will provide the following inspections:

a. Verify formwork for all concrete, except as noted above, will result in member size, location, and configuration as described on the contract documents, only as it affects the structural integrity of the concrete elements to be placed. Verify removal of shoring conforms to this section. Qualifications: Structural I.

3.09 FORM REMOVAL

A. Do not remove forms or bracing until concrete has gained sufficient strength to carry its own weight and imposed loads.

B. Forms for sides of beams, columns, and footings shall remain in place for a minimum of 24 hours.

C. Loosen forms carefully. Do not wedge pry bars, hammers, or tools against finish concrete surfaces scheduled for exposure to view.

D. Store removed forms to prevent damage to form materials or to fresh concrete. Discard damaged forms.

END OF SECTION 03 10 00

SECTION 03 15 10

POST-INSTALLED ANCHORS

PART 1 GENERAL

1.01 CONTRACT CONDITIONS

A. Drawings, Details of Construction, and General Provisions of the Contract, including General and Supplementary Conditions and Division - 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

A. Requirements pertaining to post-installed anchors for materials and equipment. This section pertains to Divisions 3, 4, 5, and 6 of these specifications that require post-installed anchors, unless specified otherwise.

1.03 RELATED REQUIREMENTS

A. Division 1 – General Requirements

B. Division 3 – Concrete

C. Division 4 – Masonry

D. Division 5 – Metals

E. Division 6 - Wood, Plastics, and Composites

1.04 REFERENCES

A. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2018).

B. ACI 355.2 – Standard for Evaluating the Performance of Post-Installed Mechanical Anchors in Concrete; 2005

C. ASTM A 307 – Standard Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength; 2007b

D. ASTM A 615 – Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement; 2007

E. ASTM A 706/A 706M - Standard Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement; 2006a.

F. ASTM B 633 – Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel; 2007

G. ASTM B 695 – Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel; 2004

H. ASTM C 881– Standard Specification Epoxy-Resin-Based Bonding Systems for Concrete; 2002

I. ASTM F 593 – Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs; 2002

J. ASTM F 1554 - Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength; 2007a.

K. Federal Specifications A-A-1922A, A-A01923A and A-A-55614 for Expansion and Shield-Type Anchors

L. ICC-ES AC01 – Acceptance Criteria for Expansion Anchors in Masonry Elements; 2006

M. ICC-ES AC58 – Acceptance Criteria for Adhesive Anchors in Masonry Elements; 2006

N. ICC-ES AC106 – Acceptance Criteria for Predrilled Fasteners (Screw Anchors) in Concrete or Masonry Elements; 2006

O. ICC-ES AC193 – Acceptance Criteria for Mechanical Anchors in Concrete Elements; 2008

P. ICC-ES AC308 – Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete Elements; 2008

1.05 QUALITY ASSURANCE

A. Post-Installed anchors and related materials shall be listed by one or more of the following agencies, as applicable:

1. ICC Evaluation Service
2. Underwriters Laboratories (UL) and/or Factory Mutual (FM)
3. IAPMO Evaluation Service

1.06 SUBMITTALS

A. Product Data: Submit data for proprietary materials, manufacturer's specifications (including finishes and/or materials), Material Safety Data Sheets (MSDS) and installation procedures.

B. Test Reports: ICC-ES or IAPMO-UES listings.

1.07 SUBSTITUTIONS

A. Only manufacturers with an ICC-ES or IAPMO listing will be considered for substitution requests.

B. The contractor shall submit for Engineer-of-Record's review, calculations that are prepared & sealed by a registered Professional Engineer demonstrating that the substituted product is capable of achieving the pertinent equivalent performance values of the specified product using the appropriate design procedure and/or standard(s) as required by the Building Code. In addition, the calculations shall specify the diameter and embedment depth of the substituted product.

C. Any increase in material costs for such submittal shall be the responsibility of the contractor.

PART 2 PRODUCTS

2.01 MATERIALS

A. Expansion Anchors

1. Concrete Wedge Anchors (expansion bolt):
    a. Carbon steel, ASTM B 633, Class SC1, Type I or III.
    b. Stainless steel anchors (where noted): ASTM F 593, Type 303, 304 or 316.
    c. Evaluation report issued by ICC-ES or IAPMO required.
    d. Tested and qualified for performance in cracked and uncracked concrete in accordance with ACI 355.2 and ICC-ES AC193 for all mandatory tests .
    e. Acceptable products include:
        1) Simpson Strong-Tie: Strong-Bolt 2 (ICC-ES ESR-3037)
        2) Hilti: Kwik Bolt TZ (ICC-ES ESR-1917).
        3) DeWalt/Powers Fasteners: Power-Stud+SD2 (ICC-ES ESR-2502).
2. Masonry Wedge Anchors (expansion bolt): Federal Specification A-A-1923A, Type 4.
    a. Carbon steel, electroplated zinc finish unless otherwise noted.
    b. Mechanically galvanized (where noted): ASTM B 695, Class 55, Type 1.
    c. Stainless steel anchors (where noted): ASTM F 593, Type 303, 304 or 316.
    d. Evaluation report issued by ICC-ES or IAPMO required.
    e. Tested in accordance with ICC-ES AC01 for all mandatory tests :

f. Acceptable Products Include:

1) Simpson Strong-Tie: Strong Bolt 2 (IAPMO ER-240)

2) Hilti: Kwik Bolt 3 (ICC-ES ESR-1385).

B. Adhesive Anchors

1. Adhesive anchors consist of an insert and an adhesive.

2. Inserts

a. Threaded Rod Inserts: Provide preparation or configuration as recommended by manufacturer.

1) Interior Exposure: ASTM F 1554.

b. Reinforcing Bar Inserts: ASTM A 615 or ASTM A 706. Provide preparation or configuration as recommended by manufacturer.

3. Adhesives for Concrete:

a. Evaluation report issued by ICC-ES or IAPMO required.

b. Tested and qualified for use in cracked and uncracked concrete in accordance with ICC-ES AC308 for all mandatory and optional seismic tests including creep tests.

c. Epoxy: ASTM C 881 Type IV, Grade 3, Class B and C.

1) Acceptable products include:

a) Simpson Strong-Tie: SET XP (ICC-ES ESR-2508).

b) Simpson Strong-Tie: ET-HP Epoxy (ICC-ES ESR-3372).

c) Hilti: RE-500-V3 (ICC-ES ESR-3814).

d) DeWalt/Powers Fasteners: PE1000+ (ICC-ES ESR-2583).

e) DeWalt/Powers Fasteners: PURE110+ (ICC-ES ESR-3298).

f) DeWalt/Powers Fasteners: PURE50+ (ICC-ES ESR-3576).

g) ITW Red Head: Red Head G5 (ICC-ES-ESR-1137).

h) ITW Red Head: Red Head C6+ (ICC-ES ESR-3577).

d. Acrylic: Cartridge type, two-component, acrylic based system dispensed and mixed through a static mixing nozzle supplied by the manufacturer. Minimum physical requirements of ASTM C 881 Type IV, Grade 3, Class A, B and C.

1) Acceptable products include:

a) Hilti: HY-200 (ICC-ES ESR-3187).

b) DeWalt/Powers Fasteners: AC100+ (ICC-ES ESR-2582).

c) Simpson Strong-Tie: AT-XP (IAPMO ER-263).

d) ITW Red Head: Red Head A7+ (ICC-ES ESR-3903).

4. Adhesives for Solid Concrete Masonry:

a. Evaluation report issued by ICC-ES or IAPMO required.

b. Tested in accordance with ICC-ES AC58 for all mandatory tests and the following optional tests:

1) Seismic tests

2) Creep tests

3) Dampness tests

4) Freeze-thaw tests

c. Epoxy: ASTM C 881 Type IV, Grade 3, Class B and C.

1) Acceptable products include:

a) Simpson Strong-Tie: ET-HP Epoxy (ICC-ES ESR-3638).

d. Acrylic: Cartridge type, two-component, acrylic based system dispensed and mixed through a static mixing nozzle supplied by the manufacturer. Minimum physical requirements of ASTM C 881 Type IV, Grade 3, Class A, B and C.

1) Acceptable products include:

a) Simpson Strong-Tie: AT-XP (IAPMO ER-281).

b) Hilti: HY-200 (ICC-ES ER-3963)

c) Hilti: HY-70 (ICC-ES ER-2682)

d) ITW Red Head: Red Head A7+ (ICC-ES ESR-3951)

5. Adhesives for Hollow Concrete Masonry:

a. Evaluation report issued by ICC-ES or IAPMO required.

b. Tested in accordance with ICC-ES AC58 for all mandatory tests and the following optional tests:.

1) Seismic tests

2) Creep tests

3) Dampness tests

4) Freeze-thaw tests

c. Epoxy: ASTM C881 Type IV, Grade 3, Class B and C.

1) Acceptable products include:

a) Simpson Strong-Tie: SET Epoxy-Tie High-Strength Adhesive (ICC-ES ESR-1772).

b) Hilti: HY-70 (ICC-ES ESR-2682).

C. Concrete and Masonry Screw Anchors

1. Concrete Screw Anchors:

a. Carbon steel heat-treated or hardened.

b. Zinc-plated in accordance with ASTM B 633, Class SC1, Type I or equivalent coating.

c. Mechanically galvanized (where noted): ASTM B 695, Class 55, Type 1.

d. Evaluation report issued by ICC-ES or IAPMO required.

e. Tested and qualified for use per ICC-ES AC193 for all mandatory tests .

f. Acceptable products include:

1) Simpson Strong-Tie: Titen HD (ICC-ES ESR-2713).

2) Hilti: HUS-EZ (ICC-ES ESR 3027).

3) Powers Fasteners: Wedge-Bolt+ (ICC-ES ESR-2526).

4) ITW Red Head: Tapcon+/Sammy (ICC-ES ESR-3699).

2. Masonry Screw Anchors: (Grouted Masonry Only)

a. Carbon steel heat-treated or hardened.

b. Zinc-plated per ASTM B 633, Class SC1, Type I, or equivalent coating.

c. Mechanically galvanized (where noted): ASTM B 695, Class 55, Type 1.

d. Evaluation report issued by ICC-ES or IAPMO required.

e. Tested per ICC-ES AC106 for all mandatory tests (and seismic tests):

f. Acceptable products include:

1) Simpson Strong-Tie: Titen HD (ICC-ES ESR-1056).

2) Hilti: HUS-EZ (ICC-ES ESR-3056).

3) Powers Fasteners: Wedge-Bolt+ (ICC-ES ESR-1678).

4) ITW Red Head: Tapcon (ICC-ES ESR-1671).

PART 3 EXECUTION

3.01 INSTALLATION

A. Install anchors in strict accordance with manufacturer's printed instructions and, where required, requirements of ICC-ES evaluation reports.

B. Conform to manufacturer's requirements for, but not limited to, hole drilling methods, hole size, hole cleaning, substrate and adhesive temperatures, moisture presence in holes, and required edge distance and spacing. Unless noted otherwise, dry holes are required.

C. Use special tools when recommended by manufacturer for installation of anchors unless otherwise permitted specifically by the Engineer or Architect of Record.

D. Drill holes in concrete, in accordance with the manufacturer's recommendations.

3.02 FIELD QUALITY CONTROL

A. Manufacturer shall, on request, provide the services of a field representative to demonstrate to and train installers in proper installation techniques.

B. Structural Testing and Special Inspection

1. Structural Special Inspection shall be performed by qualified parties as specified herein, and in accordance with the provision of Section 01 45 33.

2. Special Inspection, periodic or continuous, of post-installed anchors shall be provided as specified herein, but not less than as required by ICC-ES evaluation reports.

3. Definitions: ASNT - American Society for Non-Destructive Testing

4. Personnel Qualifications

a. Special Inspector Technical I: ASNT Level I, employed by a testing agency and supervised by an ASNT Level III with a minimum of 10 years experience.

b. Special Inspector Technical II: ASNT Level II, employed by a testing agency and supervised by an ASNT Level III with a minimum of 10 years experience.

c. Special Inspector – Structural I: Graduate civil/structural engineer, or other personnel acceptable to the SER, with experience in design of structural systems of the project type. Inspections shall be performed under the direct supervision of a licensed structural engineer, as defined in Section 01 45 33. The licensed engineer shall review and approve all inspection reports.

5. The Owner will provide the following tests and inspections:

   a. Continuous special inspection during installation to verify materials delivered to site comply with contract documents, bolt type and dimensions, concrete type and compressive strength, pre-drilled hole dimensions and cleaning, embedment, spacing, edge distances, slab thickness, tightening torque, and any other items requiring inspection by product's ICC approval report. Qualifications: Technical II or Structural I.

END OF SECTION 03 15 10

SECTION 03 20 00

CONCRETE REINFORCING

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings, Details of Construction, and General Provisions of the Contract, including General and Supplementary Conditions and Division - 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

A. Reinforcing steel for cast-in-place concrete.

B. Reinforcing steel for masonry.

C. Supports and accessories for steel reinforcement.

1.03 RELATED REQUIREMENTS

A. Section 01 45 33 - Structural Testing and Special Inspection.

B. Section 03 10 00 - Concrete Forming and Accessories.

C. Section 03 15 10 - Post-Installed Anchors.

D. Section 03 30 00 - Cast-in-Place Concrete.

1.04 REFERENCE STANDARDS

A. ACI 117 - Specification for Tolerances for Concrete Construction and Materials 2010 (Reapproved 2015).

B. ACI 301 - Specifications for Concrete Construction 2020.

C. ACI 315 - Details and Detailing of Concrete Reinforcement; 1999

D. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2018).

E. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement 2020.

F. ASTM A775/A775M - Standard Specification for Epoxy-Coated Steel Reinforcing Bars 2019.

G. ASTM D3963/D3963M - Standard Specification for Fabrication and Jobsite Handling of Epoxy-Coated Steel Reinforcing Bars 2021.

H. CRSI (DA4) - Manual of Standard Practice 2009.

I. CRSI (P1) - Placing Reinforcing Bars, 10th Edition 2019.

1.05 SUBMITTALS

A. See Division 1 for submittal procedures.

B. Shop Drawings: Follow recommended practices of ACI 315. Include size, length, bar schedules, shapes of bent bars, spacing of bars, methods of supporting reinforcing, and location and length of splices. Provide details as necessary to show final position of reinforcement in elements.

1. Include shop drawings for masonry reinforcing

2. If shop drawings are resubmitted after the original review, identify all changes made to the shop drawings after the original submittal with clouds or similar markings.

1.06 QUALITY ASSURANCE

A. Perform work of this section in accordance with ACI 301 and ACI 318.

1.07 DELIVERY, STORAGE AND HANDLING

A. Deliver all reinforcement to the Project site bundled, tagged, and marked.

B. Store all reinforcing steel bars, ties, wire fabric, etc., on the site in a manner that will permit access for proper inspection and identification.

C. Do not exceed design capacity of existing construction or formwork.

D. Store reinforcing to avoid contact with mud, grease, or other materials that would affect bond.

E. Special handling for epoxy coated reinforcing to include:

1. Support epoxy-coated bars or bundles of bars to prevent damage to coating during transit.
2. Store epoxy-coated bars on protective cribbing.
3. Lift bundles of epoxy-coated bars at multiple pickup points to minimize bar-to-bar abrasion due to sags in the bundles.
4. Do not drop or drag epoxy-coated bars or bundles of bars.
5. Provide padded contact areas on equipment used for handling epoxy-coated bars.

PART 2 PRODUCTS

2.01 REINFORCEMENT

A. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi).

1. Deformed billet-steel bars.
2. Unfinished.
3. Epoxy coated in accordance with ASTM A775/A775M where noted.

B. Reinforcement Accessories:

1. Chairs, Bolsters, Bar Supports, Spacers: CRSI MSP-1 Chapter 3. Sized and shaped for adequate support of reinforcement during concrete placement.
   a. Class 1 for all surfaces exposed to weather.
   b. Class 1 or 2 for interior surfaces exposed to view.
   c. Class 3 for surfaces not exposed to view.
2. Bar Supports and Accessories for epoxy coated bars: CRSI MSP-1 Chapter 3, Class 1A epoxy, vinyl, or plastic coated, all plastic supports, or precast supports with epoxy or plastic coated wire.
   a. Use epoxy-coated reinforcing bars as support bars.
   b. Fasten epoxy-coated reinforcing bars to bar supports, accessories, and each other with nylon, epoxy or plastic coated tie wire.
3. Patching Materials for Epoxy Coated Bars: ASTM D3963/D3963M Annex A1, inert in concrete.
4. Mechanical couplers: Develop 125% of yield strength, ICBO approved. Dayton/Richmond: Barlock Coupler System, Erico: Lenton Couplers, or approved equal.
5. Post-installed reinforcing adhesive: See section 03 15 10.

2.02 DETAILING

A. Detail reinforcing steel in accordance with ACI 315 and ACI 318.

B. Splice reinforcing where indicated on drawings. Specifically note proposed splices not shown on the drawings on the shop drawings and highlight for reviewer's acceptance.

C. Provide epoxy coated reinforcing for all concrete exposed to weather such as exterior walls, slabs, columns, piers, landings, stoop slabs, loading docks, and stairs. Additional locations may be noted on the drawings. Building foundation walls do not require epoxy coated reinforcing unless shown on the drawings.

D. Provide bar supports and other accessories sufficient to maintain reinforcing within specified placing tolerances. Consider requirements of CRSI MSP-1 to be a minimum.

E. Provide bar supports for all reinforcing, including footings, slabs on grade, grade beams, and slab temperature reinforcing.

F. Consider normal construction activities while detailing number and type of bar supports.

G. Detail reinforcing to accommodate forming, fabricating, and placing tolerances and maintain a minimum cover as specified.

2.03 FABRICATION

A. Fabricate concrete reinforcing in accordance with ACI 318 and ACI 301.

B. Fabricate within tolerances given in ACI 117.

C. Welding of reinforcement is not permitted.

D. Fabricate and handle epoxy-coated reinforcing in accordance with ASTM D3963/D3963M.

PART 3 EXECUTION

3.01 PREPARATION - PLAIN BARS

A. Clean all reinforcement before placing. Remove oil, mill scale, pitting, mud, loose rust, strong alkali or organic matter.

B. Remove all excessive rust with wire brush or by sandblasting.

C. Reinforcement with rust and/or mill scale shall be acceptable if a hand-brushed test specimen meets the applicable ASTM requirements for dimension, weight, and height of deformations.

3.02 PREPARATION - EPOXY COATED BARS

A. Repair coating damage larger than 0.1 square inch in accordance with patching material manufacturer's recommendations.

B. Remove oil, mud, strong alkali, or organic matter prior to placement in forms.

3.03 PLACEMENT

A. Place reinforcing in accordance with approved shop drawings, support and secure reinforcement against displacement. Do not deviate from required position. Place within maximum tolerances given in ACI 117.

B. Splice reinforcing where indicated on drawings.

C. Install mechanical connectors in accordance with connection manufacturer's recommendations.

D. All bars must be placed before concrete is poured.

E. Provide templates for all column dowels.

F. Do not bend bars embedded in hardened or partially hardened concrete without approval from the Architect/Engineer. If bending is permitted, conform to procedures of ACI 301.

G. Support footing and slab on grade reinforcing. Do not lift or "step in" during placement of concrete. Use precast concrete, block, brick, or wire supports with earth bearing bases.

H. Do not displace or damage vapor barrier.

I. Reinforcing shall have the minimum concrete cover as given on the drawings.

3.04 INSTALLATION - EPOXY COATED REINFORCING

A. Do not field cut epoxy-coated reinforcing bars unless shown on Drawings or permitted by Engineer.

B. Do not use welded splices of epoxy-coated reinforcing bars unless shown on Drawings or permitted by Engineer. When used, welded splices shall conform to AWS D1.4. Welding of crossing bars (tack welding) for assembly of epoxy-coated reinforcement is prohibited.

C. Provide suitable ventilation when welding of epoxy-coated bars is required or permitted.

D. Do not use mechanical connections for epoxy-coated reinforcing unless shown on drawings or permitted by Engineer.

E. Repair coating damage due to heating, bending, cutting, welding or installation of mechanical connections, in accordance with ASTM D3963/D3963M and patching material manufacturer's recommendations.

F. Do not use epoxy-coated bars with damage, repaired and unrepaired, exceeding 2 percent of the surface area of each bar.

3.05 POST-INSTALLED REINFORCING

A. See section 03 15 10 for installation requirements.

3.06 FIELD QUALITY CONTROL

A. Structural Special Inspection

1. Structural Special Inspection shall be performed by qualified parties as specified herein, and in accordance with the provision of Section 01 45 33.

2. Concrete reinforcing in slabs on grade, footings without transverse reinforcement, topping slabs, and other locations as noted on the structural drawings does not require inspection. Special Inspector need not be present during entire reinforcing installation, but must observe all required reinforcing prior to concrete placement.

3. Personnel Qualifications:

   a. Special Inspector - Structural I: ICC certified concrete inspector or a graduate civil/structural engineer, or other personnel acceptable to the structural Engineer of Record (SER), with experience in the design of structural systems of this type. Inspections shall be performed under the direct supervision of a licensed structural engineer, as defined in Section 01 45 33. The licensed engineer shall review and approve all inspection reports.

4. The Owner will provide the following inspections:

   a. Inspect reinforcement in all cast in place concrete. Qualifications: Structural I. Verify the following:

      1) Reinforcing bar grade.

      2) Reinforcing bars are free of oil, dirt, excessive rust, and damage.

      3) Reinforcing bars are adequately tied, chaired, and supported to prevent displacement during concrete placement.

      4) Proper chair and tie wire materials are used.

      5) Proper clear distances between bars and to surfaces of concrete.

      6) Reinforcing bar size and placement.

7) Bar laps for proper length and stagger.

8) Bar bends for minimum diameter, slope and length.

9) Mechanical splices are placed in accordance with the plans, specifications and reviewed shop drawings.

10) Epoxy coating is presented at locations noted in the plans and specifications. include tie wires, chairs, bolsters, etc. Verify coating damaged is repaired in accordance with the contract requirements.

END OF SECTION 03 20 00

SECTION 03 30 00

CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 CONTRACT CONDITIONS

A. Drawings, Details of Construction, and General Provisions of the Contract, including General and Supplementary Conditions and Division - 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

A. Section Includes: Providing all items, articles and materials listed, mentioned, or scheduled on the Drawings or herein, including all labor, materials, equipment, and incidentals necessary and required for the installation of all cast-in-place concrete indicated on the Drawings or specified herein.

B. Concrete footings

C. Floors and slabs on grade.

1. Including vapor barrier.

2. Porosity Inhibiting admixture (PIA).

D. Concrete foundation walls.

E. Concrete fill for masonry lintels, bond beams and cores.

F. Concrete topping.

G. Concrete curing.

H. Perimeter insulation over non-waterproofed concrete foundation walls as shown on drawings.

1.03 RELATED REQUIREMENTS

A. Section 01 45 33 - Structural Testing and Special Inspection

B. Section 03 10 00 - Concrete Forming and Accessories: Forms and accessories for formwork.

C. Section 03 20 00 - Concrete Reinforcing.

D. Section 07 92 00 - Joint Sealants: Products and installation for sealants and joint fillers for saw cut joints and isolation joints in slabs.

E. Section 05 12 00 - Embedded Structural Steel, Anchor Bolts

F. Section 07 21 00 - Insulation: Perimeter insulation and vapor barrier.

1.04 REFERENCE STANDARDS

A. ACI 117 - Specification for Tolerances for Concrete Construction and Materials 2010 (Reapproved 2015).

B. ACI 211.1 - Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete 1991 (Reapproved 2009).

C. ACI 301 - Specifications for Concrete Construction 2020.

D. ACI 302.1R - Guide to Concrete Floor and Slab Construction 2015.

E. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete 2000 (Reapproved 2009).

F. ACI 305R - Guide to Hot Weather Concreting 2020.

G. ACI 306R - Guide to Cold Weather Concreting 2016.

H. ACI 306.1 - Standard Specification for Cold Weather Concreting; 1990 (Reapproved 2002)

I. ACI 308R - Guide to External Curing of Concrete 2016.

J. ACI 308.1 - Standard Specification for Curing Concrete, American Concrete Institute; 2011

K. ACI 309R - Guide for Consolidation of Concrete, American Concrete Institute; 2005

L. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; 2014 (Errata 2018).

M. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement 2020.

N. ASTM C31/C31M - Standard Practice for Making and Curing Concrete Test Specimens in the Field 2022.

O. ASTM C1602/C1602M - Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete 2018.

P. ASTM C33/C33M - Standard Specification for Concrete Aggregates 2018.

Q. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens 2021.

R. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete 2021b.

S. ASTM C143/C143M - Standard Test Method for Slump of Hydraulic-Cement Concrete 2020.

T. ASTM C150/C150M - Standard Specification for Portland Cement 2021.

U. ASTM C157/C157M - Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete 2017.

V. ASTM C231/C231M - Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method 2017a.

W. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete 2010a (Reapproved 2016).

X. ASTM C309 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete 2019.

Y. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete 2019.

Z. ASTM C595/C595M - Standard Specification for Blended Hydraulic Cements 2021.

AA. ASTM C618 - Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete 2019.

BB. ASTM C1107/C1107M - Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink) 2020.

CC. ASTM C1116/C1116M - Standard Specification for Fiber-Reinforced Concrete 2010a (Reapproved 2015).

DD. ASTM C1260 - Standard Test Method for Potential Alkali Reactivity of Aggregates (Mortar-Bar Method) 2021.

EE. ASTM C1315 - Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete 2019.

FF. ASTM C1399/C1399M - Standard Test Method for Obtaining Average Residual-Strength of Fiber-Reinforced Concrete 2010(2015).

GG. ASTM C1602/C1602M - Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete 2018.

HH. ASTM C1609/C1609M - Standard Test Method for Flexural Performance of Fiber-Reinforced Concrete (Using Beam With Third-Point Loading) 2019a.

II. ASTM D448 - Standard Classification for Sizes of Aggregate for Road and Bridge Construction 2012 (Reapproved 2017).

JJ. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness 2015 (Reapproved 2021).

KK. ASTM D5084 - Standard Test Methods for Measurement of Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter 2016a.

LL. ASTM E1155 - Standard Test Method for Determining FF Floor Flatness and FL Floor Levelness Numbers 2020.

1.05 SUBMITTALS

A. See Division 1 for submittal procedures.

B. Concrete mix designs for each mix used. On request, include field test data used to determine required average strength (if that method was used) and field test or trial mix data used to document required average compressive strength.

C. Product data for curing materials and compounds, admixtures, fiber reinforcing, vapor retarders, non-shrink grout, and porosity inhibiting admixture.

D. Test Reports: Submit report for each test or series of tests specified.

E. Cold weather concreting procedures.

F. Drawings showing construction and control joint locations and details for interior supported floor slabs and slabs on grade.

G. Certification of admixture conformance to chloride ion requirements.

H. Field quality control test results.

I. PIA Manufacturer Qualification Certificates: Submit concrete supplier qualification certificates and concrete finisher's qualification certificates issued by the manufacturer.

J. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

A. Perform work of this section in accordance with ACI 301, ACI 117, and ACI 318.

B. Follow recommendations of ACI 305R when concreting during hot weather.

C. Follow recommendations of ACI 306R when concreting during cold weather.

D. For slabs required to include Porosity Inhibiting Admixture (PIA), do not proceed with placement unless manufacturer's representative is present for every day of placement or as required by the supplier to meet the warranty requirements.

E. Fiber reinforcing supplier shall have no less than five (5) years of satisfactory product performance experience with the approved product.

F. Pre-Installation Conference: Prior to installation of any concrete, a conference shall be held at the Project Site. General Contractor, ready-mix supplier, admixture supplier, concrete, formwork, and reinforcing subcontractors, Engineer, Special Inspectors, Independent Testing Laboratory, PIA manufacturer or authorized representative, and other subcontractors whose work requires coordination with this Work shall attend. Specification requirements, submittals, materials, proposed mix designs, methods and procedures associated with this Work will be reviewed to assist in determining acceptable methods and procedures for achieving the specified concrete quality.

G. Concrete Supplier Qualifications: The concrete supplier must be Certified by the PIA manufacturer.

H. Concrete Finishers Qualifications: The concrete finisher must be Certified by the PIA manufacturer.

I. Moisture Testing: The PIA supplier shall perform all moisture testing. PIA manufacturer shall issue warranty prior to start of installation of flooring and moisture sensitive adhesives and coatings of any type.

J. Bond Testing: Warranted moisture sensitive coatings and adhesives must be installed by each subcontractor in coordination with PIA manufacturer. Bond test results will be evaluated by PIA manufacturer as part of the warranty process.

K. Source Limitations: Obtain each type of concrete Porosity Inhibiting Admixture from same manufacturer.

1.07 MATERIAL DELIVERY, HANDLING, AND STORAGE

A. Materials shall be delivered in the Manufacturer's undamaged, unopened containers. Each container shall be clearly marked with the product name, manufacturer's name, batch number, component designation, and ratio of component mixtures.

B. Provide equipment and personnel to handle the materials by methods that prevent damage.

C. Promptly inspect shipments to assure that materials comply with requirements, quantities are correct, and materials are undamaged.

D. Store materials in accordance with the Manufacturer's instructions, with seals and label intact and legible. Maintain temperatures within the Manufacturer's recommended ranges.

E. Comply with manufacturer's written instructions for handling and storage of PIA prior to adding to concrete batch.

F. Furnish delivery tickets with each load of concrete delivered to the Project. Information on each ticket shall be as required by ASTM C94/C94M and shall also include: type of concrete (mix number), weights of all ingredients, maximum aggregate size, type, brand, and amount of admixture, total water in the batch, maximum amount of water that can be added at the site without exceeding design mix proportions, and amount of water added at site and initials of person adding water. Retain tickets until substantial completion unless directed otherwise.

1.08 NATIONAL VOLATILE ORGANIC COMPOUND (VOC) EMISSION STANDARDS

A. All products shall comply with the E.P.A. rulings establishing national v.o.c. emission standards for architectural coatings as listed in the Federal Register: September 11,1998 (Volume 63, Number 176), [Rules and Regulations] [Page 48848-48887].

1.09 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Slabs with Porosity Inhibiting Admixture (PIA) or Moisture Vapor Reducing Admixture (MVRA): Provide warranty to cover cost of flooring failures due to moisture migration from slabs for life of the concrete.

1. Include cost of repair or removal of failed flooring, placement of topical moisture remediation system, and replacement of flooring with comparable flooring system.

2. Provide warranty by admixture manufacturer matching terms of flooring adhesive or primer manufacturer's material defect warranty.

PART 2 PRODUCTS

2.01 FORMWORK

A. Comply with requirements of Section 03 10 00.

2.02 REINFORCEMENT MATERIALS

A. Comply with requirements of Section 03 20 00.

2.03 CONCRETE MATERIALS

A. Cement:

1. Portland Cement: ASTM C150/C150M, Type I - Normal.

2. Blended Hydraulic Cement: ASTM C595/C595M, Type IL - Portland-limestone.

B. Fine and Coarse Aggregates: ASTM C33/C33M.

1. Maximum aggregate size is specified in mix design schedule.

2. Alkali Silicate Reactivity: Expansion of fine aggregate tested per ASTM C1260 shall not exceed 0.15%. If fly ash or other pozzolans are used to reduce shrinkage to meet this requirement, expansion of fine aggregate tested per ASTM C1260 without fly ash or other pozzolans shall not exceed 0.25%.

C. Fly Ash: ASTM C618, Class C or F.

D. Water: ASTM C1602/C1602M; clean, potable, and not detrimental to concrete.

E. Synthetic Micro Fiber Reinforcing: 100% virgin polyolefin (polypropylene or polyethylene), fibrillated, graded or minimum ¾" uniform length, ASTM C1116/C1116M, Type III. Fibermesh 300: Propex Concrete Systems, Grace Fibers: W.R. Grace, Ultra-Net: Forta Fibers, and approved equal.

2.04 ADMIXTURES

A. Do not use chemicals that will result in soluble chloride ions in excess of 0.1 percent by weight of cement.

B. Air Entrainment Admixture: ASTM C260/C260M.

C. High Range Water Reducing Admixture: ASTM C494/C494M Type F.

D. Accelerating Admixture: ASTM C494/C494M Type C.

E. Water Reducing Admixture: ASTM C494/C494M Type A.

F. Porosity Inhibiting Admixture (PIA): Liquid, inorganic admixture free of volatile organic compounds (VOCs) and reactive silicates. Closes capillary systems formed during concrete curing to reduce moisture vapor emission and transmission. Reduces alkali silicate reaction (ASR) and concrete shrinkage with no adverse effect on concrete properties or applied flooring.

1. Hydraulic Conductivity: 6 x 10 exp(-8) fps, minimum, when tested according to ASTM D5084.

2. Provide admixture in all slabs on grade.

3. Products:

a. Barrier One Concrete Admixtures; PIA: www.barrierone.com/#sle.

b. Or approved equal.

G. Prohibited Admixtures: Calcium chloride, thiocyanates or admixtures containing more than .05% chloride ions.

2.05 ACCESSORY MATERIALS

A. Underslab Vapor Barrier: See Section 07 2100 - Insulation

B. Granular fill under vapor barrier: Clean mixture of crushed aggregates and sand, ASTM D448, size 10, with 85-100% passing the No.4 sieve and 10-30% passing the No. 100 sieve. Meet requirements of ASTM C33/C33M for deleterious substance limits in fine aggregates.

C. Non-Shrink Grout: ASTM C1107/C1107M; Premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents.

1. Conformance to ASTM C1107/C1107M shall occur with a minimum temperature range of 45 degrees F to 90 degrees F, a fluid consistency, and a minimum 30 minute working time.

D. Self-leveling Cement based Underlayment: Sonneborn: Sonoflow; Thoro: Underlayment – self-leveling; Ardex: K-15; L&M Construction Chemicals: Levelex; Euclid Chemical Company: Flo-Top or Super Flo-Top; HPS North America: Schönox ZM; W.R. Meadows: Floor-Top STG; USG: Durock UltraCap.

2.06 BONDING AND JOINTING PRODUCTS

A. Slab Isolation Joint Filler: 1/4 inch thick, height equal to slab thickness, with removable top section that will form 1/2 inch deep sealant pocket after removal.

B. Semi-Rigid Joint Filler: Two-component, semi-rigid, 100% solids, minimum Shore A hardness of 80 per ASTM D2240.

2.07 CURING MATERIALS

A. All curing agents and sealers shall have no adverse effect on finishes, traffic topping, PIA or other sealers. Coordinate with the appropriate finish manufacturer and receive written confirmation before applying.

B. Moisture-Retaining Cover: ASTM C171; regular curing paper, white curing paper, white polyethylene film at temperatures above 60 degrees F., black polyethylene film at temperatures below 80 degrees F., clear polyethylene, or white burlap-polyethylene sheet at temperatures above 60 degrees F.

C. Curing and Sealing Compound: ASTM C1315, Type 1, Class A, VOC compliant, 25% minimum solids.

D. Exterior Concrete Curing Compound: Wax base, membrane forming curing compound, ASTM C309, Type II, white pigmented.

2.08 CONCRETE MIX DESIGN REQUIREMENTS

A. Submit concrete mix design for each type of concrete at least 30 days prior to the proposed start of placement. Mix designs must be reviewed prior to pouring concrete. Review is for conformance with specification requirements only. Contractor is responsible for performance.

B. Concrete shall conform to the requirements of ASTM C94/C94M (Option A) unless other requirements of this project specification are more stringent.

C. Provide concrete with workability such that it will fill the forms, without voids or honeycombs, when properly vibrated, without permitting materials to separate or excess water to collect on the surface.

D. Slump at point of discharge: 5" max. for concrete without superplasticizer and 9" max. for concrete with superplasticizer, 8-10" max. for masonry grout.

E. Proportioning Normal Weight Concrete: ACI 301. Establish proportions based on the standard practices contained in ACI 211.1.

F. Determine required average strength as required by ACI 301.

G. Concrete Strength: Document that mixes produce required average strength for each type of concrete on the basis of field experience or trial mixtures, as specified in ACI 301.

   1. For trial mixtures method, employ independent testing agency acceptable to Architect for preparing and reporting proposed mix designs.

H. Admixtures: Add acceptable admixtures as recommended in ACI 211.1 and at rates recommended or required by manufacturer.

I. Obtain approval of the PIA supplier for the mix design. PIA supplier will provide specific testing and warranty information in accordance with application requirements.

2.09 CONCRETE MIX DESIGN SCHEDULE

A. Normal Weight Concrete: Footings

   1. Minimum Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 3,000 psi.

   2. Water-Cement Ratio: Maximum 0.62 by weight.

   3. Maximum Aggregate Size: 1-1/2" Class 1S.

   4. Maximum Chloride Ion Content: 0.30 percent by weight of cement.

B. Normal Weight Concrete: Exterior Concrete

1. Exterior concrete includes: exterior aprons and stoop slabs, slabs at overhead doors and loading docks, exterior walls, piers, and columns, and other similar conditions.

2. Minimum Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 5,000 psi.

3. Fly Ash Content: Maximum 25 percent of cementitious materials by weight.

4. Synthetic Micro Fiber Reinforcement: Add to mix as recommended by manufacturer for specific project conditions. Minimum rate of 1.5 pounds per cubic yard. Minimum residual strength per ASTM C1399/C1399M or ASTM C1609/C1609M: 45 psi. Required at slabs only.

5. Water-Cement Ratio: Maximum 0.40 by weight.

6. Total Air Content: 4-1/2% to 7-1/2% percent, determined in accordance with ASTM C231/C231M.

7. Maximum Aggregate Size: 3/4" Class 5S.

8. Maximum Chloride Ion Content: 0.15 percent by weight of cement.

C. Normal Weight Concrete: Slabs on grade

1. Minimum Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 4,000 psi.

2. Synthetic Micro Fiber Reinforcement: Add to mix as recommended by manufacturer for specific project conditions. Minimum rate of 1.5 pounds per cubic yard. Minimum residual strength per ASTM C1399/C1399M or ASTM C1609/C1609M: 45 psi.

3. Porosity Inhibiting Admixture (PIA); Add to mix as recommended by manufacturer for specific project conditions.

4. Water-Cement Ratio: Maximum 0.45 by weight.

5. Maximum Aggregate Size: 3/4" Class 2S, well graded to achieve shrinkage limits specified.

6. Maximum 28-day shrinkage per ASTM C157/C157M: 0.05%

7. Maximum Chloride Ion Content: 30 percent by weight of cement.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify lines, levels, and dimensions before proceeding with work of this section.

3.02 PREPARATION

A. Verify that anchors, seats, plates, reinforcement and other items to be cast into concrete are accurately placed, positioned securely, and will not interfere with concrete placement.

B. Do not embed pipes other than non-aluminum electrical conduit or snow melting pipes in any structural concrete.

1. Any pipes embedded in concrete, even those meeting the guidelines given herein, are subject to acceptance by Architect. Remove any unacceptable pipes.

2. Outside diameter of pipes placed in slabs and walls shall not exceed 25% of the thickness of the slab or wall and shall be placed in groups of not more than 3. Space pipes within a group at not less than 4 diameters clear. Space groups of pipes at not less than 48 diameters clear.

3. Maximum total dimension or area of pipes and their fittings embedded in concrete beams and columns shall not exceed, at any location, 15% of least section dimension or 4% of the gross cross sectional area.

C. Where new concrete is to be bonded to existing or previously placed concrete, clean existing surface to remove dust, dirt, grease, oil, curing compounds and other items that would be detrimental to bonding. Saturate existing surface

with clean water (8 hours minimum), remove excess water, and slush with a neat cement grout immediately before placing new concrete.

D. Protect existing concrete work to be exposed to view and other finished materials from damage and staining resulting from concreting operations. Cover sills, ledges and other surfaces with protective coverings as necessary to protect the work.

E. Slabs on Grade:

1. Verify subgrade compaction tests have been performed and are accepted.

2. Verify subgrade is level and within acceptable tolerances.

3. Verify subgrade is substantially dry with no freestanding water, muddy spots, or soft spots and is free from snow or ice.

4. Verify completion of all underfloor mechanical and electrical work.

5. Provide 3 inch minimum cover bottom and 3 inch minimum cover sides at electrical conduits and other embedded items.

F. Vapor Barrier Placement

1. Install in accordance with ASTM E1643 and manufacturer's written instructions.

a. Place with longest dimension parallel with the direction of the concrete pour.

b. Lap over footings and seal to foundation walls with vapor-proofing mastic.

c. Overlap joints 6 inches minimum and seal with manufacturer's tape.

d. Seal all penetrations including, but not limited to, pipes, conduits, columns, and piers with pipe boots in accordance with manufacturer's written instructions. No unsealed penetrations will be permitted.

e. Terminate at wall under termination bar and seal with mastic per Division 07 and as detailed on Architectural drawings.

f. Repair damaged areas by applying patches of vapor barrier, overlapping damaged area 6" and sealing on all four sides with tape.

3.03 NON-COMPOSITE (BONDED) TOPPING

A. Clean existing surface to remove dust, dirt, grease, oil, curing compounds and other items that would be detrimental to bonding.

B. Saturate existing surface with clean water (8 hours minimum), remove excess water.

3.04 CONCRETE MIXING

A. Transit Mixers: Comply with ASTM C94/C94M.

B. Use cooled or heated water in accordance with ACI 306 and 305.

C. Air-entraining and chemical admixtures, if approved, shall be charged into mixer as a solution and dispensed by an automatic dispenser or similar metering device. Powdered admixtures shall be weighted or measured by volume as recommended by the manufacturer. Superplasticizer may be added at the job site to maintain slump.

D. Dispense PIA admixture in compliance with the approved mix design and supplier's recommendations and written instructions.

E. Two or more admixtures may be used in same concrete, provided such admixtures are added separately during batching sequence. Admixtures used in combination shall retain full efficiency and have no deleterious effect on concrete or on properties of each other.

F. For fiber reinforced concrete, introduce fibers to mix when recommended by fiber supplier to maximize disbursement through the mix and to minimize balling of fibers.

G. Ready mixed concrete shall be transported to the site in watertight agitator or mixer trucks loaded not in excess of rated capacities. Schedule and dispatch trucks from the batching point so that they shall arrive at the site of the work just before the concrete is required to avoid excessive mixing of concrete while waiting.

H. Discharge at the site shall begin within one (1) hour after charging. Concrete may be used as long as it is of such slump that it can be placed and properly consolidated without the addition of water to the batch (other than water added prior to the start of discharge as given below). If elapsed time since batching exceeds 90 minutes, or if drum has revolved more than 300 revolutions since batching, test air content, slump, and temperature for conformance to this specification prior to placing. In no case shall the time between batching and complete discharge exceed 120 minutes. Do not permit retempering of concrete. Discard concrete that has obtained its initial set.

I. Do not add water after the initial introduction of the mixing water for the batch, except at the start of discharge, subject to the conditions below. In this case, the producer may add water in an amount not exceeding that allowed to achieve the design water/cement ratio. The drum blades shall then be turned an additional 30 revolutions minimum at mixing speed. Water shall not be added to the batch at any later time. Reject concrete if water is added and these conditions are not met.

   1. The measured slump of the concrete is less than that specified in the mix design.

   2. No more than 60 minutes have elapsed from the time of batching.

   3. The ready-mix plant is notified and approves.

   4. Truck tickets indicate maximum amount of water to be added.

   5. Water is added in a manner to control volume.

   6. Special Inspector is notified, if concrete placement requires inspection.

J. Maximum concrete temperature delivered to Project site shall be 85°F.

K. To use materials other than those accepted originally, or if the materials from the source originally accepted change in characteristics, make additional tests with proposed new materials that will verify production of concrete meeting with the stated requirements without causing objectionable change in the color or appearance of the structure. Pay the testing agency for these additional tests. Do not use concrete made from such different materials until the Architect has given his approval.

L. If, during the progress of the work, it is impossible to secure concrete of the required workability and strength with the materials being furnished by the Vendor, the Architect may order such changes in the proportions or materials, or both, as may be necessary to secure the desired properties, subject to the stated requirements. Make any changes so ordered without extra compensation.

3.05 PLACING CONCRETE

A. Place concrete in accordance with ACI 301. Follow recommended practice of ACI 304R.

B. Place concrete for floor slabs following recommended practices of ACI 302.1R.

C. Notify PIA supplier a minimum of 10 days prior to the placement of the first batch of treated concrete.

D. Do not place in rain, sleet or snow unless exposed concrete surface is protected from moisture.

E. If, for any reason, the concrete pour is delayed for more than 45 minutes, bulkhead pour at last acceptable construction joint. Immediately remove excess concrete and clean all forms and in situ concrete surfaces.

F. Do not permit concrete to drop more than 4 feet from its point of release to mixers, hoppers, or conveyances. Use tremmies, chutes, or pumps as necessary to place columns and walls.

G. Deposit concrete in wall forms in layers not greater than 24 inches in depth. Consolidate each layer before the succeeding layer is placed.

H. Place concrete as near as possible to its final position to prevent segregation. Do not use vibrators to transport concrete.

I. Do not interrupt successive placement; do not permit cold joints to occur.

J. Maintain records of concrete placement. Record date, location, quantity, air temperature, and test samples taken.

K. Immediately remove concrete spilled on existing surfaces.

L. Concrete at tops of forms: Strike concrete at top of wall, footing, and pier forms. Smooth and float to texture comparable to adjacent formed surfaces.

M. Finish floors level and flat, unless otherwise indicated, within the tolerances specified below.

3.06 JOINTS

A. Vertical construction joints in walls shall be a maximum of 80 feet on center and shall be located as shown on structural drawings. Vertical control joints in wall shall be a maximum of 20 feet on center between construction joints and shall be located as shown on the structural drawings. If locations are not shown, locate joints at edges of piers integral with wall and near corners and in concealed locations where possible.

B. Locate construction joints for beams, slabs, joists and girders in the middle 1/3 of the span. Place so they do not compromise the strength of the structure. Offset joints in a girder at least twice the beam width from a beam-girder intersection.

C. Horizontal joints in walls and columns shall be at underside of slabs, beams and girders and at top of footings. At least 24 hours shall elapse between placing concrete in a wall or column and placing concrete in an area supported by the wall or column.

D. Reinforcing shall be continuous across construction joints. Provide dowels where detailed or requested. Joints in walls shall be keyed with longitudinal keys at least 1-1/2 inches deep unless detailed otherwise.

3.07 SLAB JOINTING

A. Locate slab on grade construction and control joints as given on Drawings and submit drawings showing proposed locations. Cut joints as soon as concrete has hardened sufficiently to prevent aggregate dislodgement. Use a "Soff Cut" saw to cut to a depth of 1 1/4" immediately after final finishing. Use a conventional saw to cut to a depth of one-fourth the slab thickness or as shown on the drawings. Complete sawing within 12 hours of placement.

B. Anchor joint fillers and devices to prevent movement during concrete placement.

C. Isolation Joints: Use preformed joint filler with removable top section for joint sealant, total height equal to thickness of slab, set flush with top of slab.

1. Install wherever necessary to separate slab from other building members, including columns, walls, equipment foundations, footings, stairs, manholes, sumps, and drains.

3.08 CONSOLIDATION

A. Consolidation of concrete shall conform to ACI 301, unless modified herein.

B. Follow recommended practices of ACI 309, unless modified herein.

C. Consolidate concrete using internal vibrators.

D. Maintain a spare vibrator at the Project Site during all placing operations.

3.09 SELF-LEVELING CEMENT BASED UNDERLAYMENT

A. Clean surface of oil, grease, dirt, dust, curing compounds and laitance to sound concrete and according to manufacturers written instructions. Apply primer as recommended by manufacturer.

B. Mix in accordance with manufacturers instructions. Add aggregate if required due to underlayment thickness.

C. Pour over substrate and spread per manufacturers instructions.

D. Protect from foot traffic until underlayment is fully cured.

3.10 CONCRETE FINISHING

A. Concrete Finish Schedule

1. Concealed walls, columns, beams, and slabs: Surface finish - 1.0 (SF-1.0).
2. Exposed walls, columns, beams, and wall caps: Surface finish - 2.0 (SF-2.0).
3. Exposed interior concrete floors and floors to receive carpeting: Troweled finish.
4. Exterior platforms, aprons, ramps, loading docks, and garage slabs: Broom finish.

B. Formed Surfaces

1. Repair surface defects, immediately after removing formwork.
2. Provide finishes per ACI 301 as scheduled and to the following tolerances.
3. SF-1.0: Surface finish 1.0 per ACI 301. Rub down or chip off fins or other raised areas 1 inch or more in height. Class C surface tolerance per ACI 117.
4. SF-2.0: Surface finish 2.0 per ACI 301. Rub down or chip off and smooth fins or other raised areas 1/4 inch or more in height. Class B surface tolerance per ACI 117.

C. Unformed Surfaces

1. Provide finishes per ACI 301 as scheduled and to the following tolerances (F Numbers) per ACI 117 and measured according to ASTM E1155.
    a. Troweled Finish: Moderately flat tolerance.
        1) F(F): Specified Overall Value of 25; Minimum Localized Value of 15.
        2) F(L): Specified Overall Value of 20; Minimum Localized Value of 12.
    b. Broom Finish: Moderately flat tolerance.
        1) F(F): Specified Overall Value of 25; Minimum Localized Value of 15.
        2) F(L): Specified Overall Value of 20; Minimum Localized Value of 12.
2. Clean exposed concrete to remove laitance, efflorescence and stains.

3.11 CURING AND PROTECTION

A. Comply with requirements of ACI 308.1 as amended by this section. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.

B. Maintain concrete with minimal moisture loss at relatively constant temperature above 55° F for the period necessary for hydration of cement and hardening of concrete as follows:

1. Normal concrete: Not less than seven days.

C. Curing may be terminated earlier than the minimum time above if at least one of the following conditions is met:

1. At least (4) 6x12-inch or (5) 4x8-inch field cylinders for each pour, prepared and cured according to ASTM C31/C31M alongside the concrete they represent, reach 70% of the specified 28-day strength.
2. The concrete temperature is maintained above 50°F and laboratory cylinders reach 85% of the specified 28-day strength.

D. Formed Surfaces: Cure by moist curing with forms in place for full curing period. If forms are removed during the curing period, cure by one of the methods specified for unformed surfaces.

1. Keep steel forms heated by the sun and all wood forms wet during the curing period.

E. Unformed Surfaces: Apply curing materials as soon as finishing operations are complete and the concrete's sufficiently hard to be undamaged by the curing process.

1. Waterproof paper or polyethylene film: Use appropriate color of film based on ambient temperature. Sprinkle concrete with water as necessary during application of covering. Lap edges and ends at least 6 inches, and seal laps. Weight down covering to prevent movement. Patch holes and tears that occur during the curing period.

2. Curing Compounds: Apply strictly according to the manufacturer's instructions using low pressure spray equipment.

a. Maximum 300 square feet per gallon for curing and sealing compound.

3. Use the following methods:

a. Interior floors and stairs exposed in the finished work or receiving mastic applied adhesives: Cure using a curing and sealing compound.

1) For surfaces exposed in the finished work, provide a second coat of acrylic curing and sealing compound immediately prior to substantial completion. Clean floors, and apply sealer strictly according to manufacturer's instructions.

b. Interior surfaces receiving adhesive applied finishes: Cure using wet curing methods or by covering with waterproof paper or polyethylene film.

1) Curing and sealing compound may be used upon receipt of a letter from the adhesive manufacturer that this compound is compatible with the adhesive.

c. Exterior concrete: Cure using exterior concrete curing compound.

d. All other unformed surfaces: Cure using a strippable curing compound, by wet curing methods, or by covering with waterproof paper or polyethylene film.

4. Protect concrete from excessive changes in temperature during the curing period and at the termination of the curing process. Changes in the temperature of the concrete shall be as uniform as possible and shall not exceed 5° F in any one hour or 50° F in any 24 hour period.

3.12 HOT WEATHER CONCRETING

A. Apply recommended practices of ACI 305R when wind, temperature and humidity conditions cause evaporation rates (using Figure 2.1.5 of ACI 305R) exceeding the following:

1. 0.2 lb/sq ft/hr for concrete with Portland cement only.

2. 0.1 lb/sq ft/hr for concrete with Portland cement and fly ash.

3. 0.05 lb/sq ft/hr for concrete with Portland cement and silica fume.

B. Determine and document expected evaporation rate for the duration of concrete pour.

C. Wet or fog forms and reinforcing immediately prior to placement to bring temperature to ambient conditions.

D. Maintain surface moisture during the period immediately after placement and before final finishing by using wind breaks, fog sprayers, evaporation retarders, or shade (individually or in combination) to prevent plastic shrinkage cracking.

1. Use evaporation retarders according to manufacturer's instructions. Do not use as a finishing aid.

3.13 COLD WEATHER CONCRETING

A. Concrete placed during cold weather shall conform to the requirements of ACI 306.1.

B. Cold weather is defined as 3 or more successive days when the average daily outdoor temperature is less than 40 degrees F.

C. All surfaces, including subgrade and reinforcing larger than a #8 bar shall be above 35 degrees F. prior to placing concrete. All reinforcing bars #8 and smaller shall be above 10 degrees F. prior to placing concrete. Surfaces shall not be more than 10 degrees warmer than the minimum concrete temperatures required by ACI 306.1.

D. Maintain cold weather protection for the following duration but not less than the duration specified in "Curing and Protection" above:

1. Maintain protection for a minimum of 48 hours after placement of concrete.

2. Maintain protection for columns and supported slabs until at least 4 field cylinders, prepared and cured in accordance with ASTM C31/C31M, reach 85 percent of the specified 28-day strength, or, laboratory cured cylinders reach the specified 28-day strength.

E. Submit detailed procedures for cold weather concreting for engineer's information only.

F. Follow recommended practices of ACI 306R. Subject to other requirements of this section, a non-chloride accelerator may be used to normalize initial set and for early strength gain.

3.14 FIELD QUALITY CONTROL

A. Provide free access to concrete operations at project site and cooperate with appointed firm.

B. Structural Testing and Special Inspection

1. Structural Testing and Special Inspection shall be performed by qualified parties as specified herein, and in accordance with the provisions of Section 01 45 33.

2. Personnel Qualifications

a. Testing Technician: Technical I - ACI Certified Concrete Field Testing Technician, Grade I, employed by a testing laboratory with C.C.R.L. certification at the National Bureau of Standards, under the direct supervision of a licensed civil/structural engineer. The licensed engineer shall review and approve all reports.

b. Special Inspector – Structural I: ICC Certified Concrete Inspector, ACI Concrete Construction Inspector, or a graduate civil/structural engineer, or other personnel acceptable to the Structural Engineer of Record (SER), with experience in the design of structural systems of this type. Inspections shall be performed under the direct supervision of a licensed structural engineer, as defined in Section 01 45 33. The licensed engineer shall review and approve all inspection reports.

3. The Owner will provide the following tests and inspections:

a. Tests for cast in place concrete. Qualifications: Technical I.

1) Compression test specimens: ASTM C31/C31M. One set of four 6x12-inch standard cylinders or five 4x8-inch cylinders of concrete for each compressive strength test. Mold and store cylinders for laboratory cured specimens.

2) Compressive strength tests: ASTM C39/C39M . Minimum one strength test for each day's pour, or one strength test for each 150 cubic yards placed. For slabs and walls, no less than one strength test for every 5,000 square feet. A strength test shall be defined as one set of five cylinders, subdivided as follows: One specimen tested at 7 days for information, three at 28 days for acceptance, and one specimen retained in reserve for later testing if required. When frequency of testing will provide less than five strength tests for a given class of concrete, conduct at least five strength tests from randomly selected batches. If fewer than five batches are used, conduct one test from each batch. A class of concrete is defined as an individual concrete mix design. A batch of concrete is defined as an individual proportion of concrete used in construction (e.g., a single truck load).

3) Slump: ASTM C143/C143M. One test at point of discharge for each set of compression test specimens; additional tests when concrete consistency appears to have changed.

4) Air entrainment: ASTM C231/C231M. Test the first batch of air entrained concrete and one additional test for each set of compression test specimens.

5) Concrete temperature: ASTM C1064. Test hourly when air temperature is below 40°F or above 80°F and each time a set of compression test specimens is made.

b. Concrete mix verification. Qualifications: Technical I. Verify the following:

1) Mixer truck trip ticket conforms to approved mix design.

2) Total water added to mix on site does not exceed that allowed by concrete mix design.

3) Concrete quality is indicative of adequate mixing time, consistency, and relevant time limits.

c. Observe preparation for and placement of all concrete, excluding slabs on grade, strip footings without transverse reinforcement, and unbonded topping slabs. Additional exclusions may be noted on the structural drawings. Special Inspector must be present during entire concrete pour. Qualifications: Structural I. Verify the following:

1) Acceptable general condition of concrete base prior to placement.

2) Concrete conveyance and depositing avoids segregation and contamination.

3) Concrete is properly consolidated.

4) Reinforcement remains at proper location.

d. Observe protection and curing methods for all concrete, excluding slabs on grade, strip footings without transverse reinforcement, and unbonded topping slabs Additional exclusions may be noted on the structural drawings. Observations to be made periodically during the curing period. Qualifications: Structural I. Verify the following:

1) Specified curing procedures are followed.

2) Specified hot and cold weather procedures are followed.

e. Observe all bolts installed in concrete. Qualifications: Structural I. Verify the following:

1) Specified size, type, spacing, configuration, embedment, and quantity.

2) Proper concrete placement and consolidation around all bolts.

4. The PIA supplier shall provide the following tests:

a. Make and test additional test cylinders as required to provide warranty and in accordance with supplier's recommendations, minimum one test cylinder per day of placement with PIA.

b. Test cylinders to demonstrate that the minimum waterproofing is in accordance with ASTM D5084.

C. Contractor Requirements:

1. Provide services of an independent laboratory to perform the following:

a. Make and test additional cylinders to determine time for form removal.

b. Make and test additional cylinders to determine termination of curing procedures.

c. Make and test additional cylinders to determine termination of cold weather practices.

2. Provide the services of a qualified technical representative to instruct the construction team in proper batching, mixing, placement, and finishing of fiber reinforced concrete.

D. Slab Testing: Cooperate with manufacturer of specified Porosity Inhibiting Admixture (PIA) to allow access for sampling and testing concrete for compliance with warranty requirements.

3.15 DEFECTIVE CONCRETE

A. Test Results: The testing agency shall report test results in writing to Architect and Contractor within 24 hours of test.

B. Defective Concrete: Concrete not complying with required lines, details, dimensions, tolerances or specified requirements.

C. Acceptance criteria for concrete strength tests shall be as outlined in section 26.12 of ACI 318. If concrete does not meet acceptance criteria, investigation generally following the provisions of section 26.12.4 of ACI 318 will be used at the discretion of the Structural Engineer of Record Contractor shall reimburse Owner for all costs associated with this investigation. If, in the judgment of the Structural Engineer of Record, the structural adequacy cannot be shown by this investigation, the Contractor shall remove and replace the concrete in question.

3.16 CLEAN-UP

A. Perform concrete washout only in designated area as required by either Division 31 section Erosion Control or the project NPDES permit.

END OF SECTION 03 30 00

SECTION 04 20 00
NON-BEARING UNIT MASONRY

.RAL

N INCLUDES

sh and install concrete masonry units where shown on the drawings.

sh and install mortar, cavity insulation, masonry accessories, flexible flashing, masonry reinforcing and steel lintels and other items embedded in masonry construction.

lation of acoustic spray system at top of walls and penetrations (sealing of mech/elec penetrations ied in Div 21-28) as noted on details.

l cast stone lintels, sills, belt courses, and miscellaneous shapes.

lation of Fire Department Key Box supplied by Owner.

posite Sample Panel when detailed on the drawings.

Prior to installation of any above grade concrete block, construct at minimum the concrete block portion of the composite sample panel.

Prior to laying of any stone masonry, gain acceptance on preliminary sample panels and construct composite sample panel.

rete block.

masonry veneer.

ır and grout.

orcement and anchorage.

ings.

ssories.

TALS

ection 01 30 00 - Administrative Requirements for submittal procedures.

ıct Data:

Provide data on reinforcing, insulation, weep vents, concrete block control joints, flexible flashing and termination bar, brick expansion joint filler, mortar net, cavity mesh.

Installation data (including application thickness of spray) for acoustic spray system.

Design: Submit mix designs for each brick mortar type at least seven days prior to preparation of job ır and delivery to the site. Include copies of test reports for the brick mortar strength.

Flexural Tests for stone masonry veneer.

ır Samples: Submit samples of manufacturer's standard colors for preliminary selection. If requested, re and submit custom-mixed samples to match materials or colors as directed by the Architect. Prepare m color samples using specified mix design; make 3/8 inch (9.525 mm) wide, tool concave smooth. Up o different custom mortar colors may be selected for brick, in addition to standard gray mortar and ed pointing mortar.

drawings:

Provide exterior elevation drawings showing all proposed stone masonry veneer expansion joints and floor plans with proposed block control joint locations.

a. Note: The Contractor can provide a letter stating that they believe the expansion joints on the architectural drawings are sufficient to prevent cracking of the stone masonry veneer in lieu of providing the shop drawings and maintain the warranty.

ıit information on masonry cleaning, including product data of cleaning agent(s), cleaning process, and ing schedule, including recommendations from stone masonry veneer manufacturers.

les: Submit samples of stone masonry veneer units to illustrate color, texture, and extremes of color .

Y ASSURANCE

oy and pay for the services of an independent testing laboratory acceptable to the Owner and Architect form the specified Source Quality Control.

City Council Action Request

71

Meeting Date	11/2/2022
Department	Parks and Recreation
Agenda Category	Consent Agenda
Title	MN DNR Outdoor Recreation Grant Application – Oltman Park
Staff Recommendation	Authorize resolution to apply for the MN Department of Natural Resources Outdoor Recreation Grant Program in the amount of $300,000 to be used for the Oltman Park Development Project.
Budget Implication	$300,000 grant - Total project costs estimated at $1.3M
Attachments	Council Memo-Oltman Grant.tif 4.31MB Resolution - Oltman (02).tif 5.05MB Oltman Master Plan.tif 6.61MB

Cottage Grove
Where Pride and Prosperity Meet

To: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

From: Zac Dockter, Parks and Recreation Director
CC: Brad Muckenhirn, Recreation Supervisor

Date: October 20, 2022

Subject: MN DNR Outdoor Recreation Grant Application – Oltman Park

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Introduction/Background
The MN Department of Natural Resources has established the Outdoor Recreation Grant program to increase and enhance outdoor recreation facilities in local and community parks throughout the state. The grant provides local units of government up to 50% of the cost of development of local parks and recreation areas. Parks and Recreation staff believes the development project at Oltman Park meets all the grant requirements and would be a good candidate for application.

Background
The Parks and Recreation Department has been working towards the development of Oltman Park to meet our community's growing needs for athletics and recreation. To date, the park master plan is complete and planned to include three rectangular fields, scoreboards, a playground, a picnic shelter with storage/restrooms, a lacrosse training wall, a parking lot, paved trail connections and landscaping. Adjacent open space includes ponds and grasslands restored to native habitat. The rectangular fields are currently sized to meet the needs of lacrosse programming but would be multi-use for any turf-based activities.

The Outdoor Recreation grant awards financial assistance up to $300,000. A 50% applicant match ($150,000) is required to receive full funding. The match portion may consist of cash or the value of construction labor and equipment. $1,000,000 is currently budgeted in the Park Trust Fund for Oltman Park construction in the year 2024 which satisfies the match requirement. Total project costs are currently estimated at $1.3M.

Recommendation
Authorize resolution to apply for the MN Department of Natural Resources Outdoor Recreation Grant Program in the amount of $300,000 to be used for the Oltman Park Development Project.

CITY OF COTTAGE GROVE
CITY COUNCIL
RESOLUTION NO. 2022-140

RESOLUTION APPROVING APPLICATION FOR THE MN DEPARTMENT OF NATURAL RESOURCES OUTDOOR RECREATION GRANT FOR OLTMAN PARK DEVELOPMENT

BE IT RESOLVED that the City of Cottage Grove act as legal sponsor for the project contained in the Outdoor Recreation grant application to be submitted on March 10, 2022 and that Zac Dockter is hereby authorized to apply to the Department of Natural Resources for funding of this project on behalf of the City of Cottage Grove.

BE IT FURTHER RESOLVED that the applicant has read the Conflict of Interest Policy contained in the Outdoor Recreation Grant Program Manual and, upon discovery, certifies it will report any actual, potential, perceived individual or organizational conflicts of interest upon discovery to the related to the application or a grant award to the State.

BE IT FURTHER RESOLVED that the City of Cottage Grove has the legal authority to apply for financial assistance, and it has the financial capability to meet the match requirement (if any) and ensure adequate construction, operation, maintenance and replacement of the proposed project for its design life.

BE IT FURTHER RESOLVED that the City of Cottage Grove has not incurred any development costs and has not entered into a written purchase agreement to acquire the property described in the Cost Breakdown section on this application.

BE IT FURTHER RESOLVED that the City of Cottage Grove has or will acquire fee title or permanent easement over the land described in the site plan included in the application.

BE IT FURTHER RESOLVED that, upon approval of its application by the State, the City of Cottage Grove may enter into an agreement with the State for the above-referenced project, and that the City of Cottage Grove certifies that it will comply with all applicable laws and regulations as stated in the grant agreement including dedicating the park property for uses consistent with the funding grant program into perpetuity.

NOW, THEREFORE BE IT RESOLVED that Mayor Myron Bailey is hereby authorized to execute such agreements as are necessary to implement the project on behalf of the applicant.

I CERTIFY THAT the above resolution was adopted by the City of Cottage Grove City Council of the City of Cottage Grove on November 2, 2022.

_____
Myron Bailey, Mayor

Attest:

_____
Tamara Anderson, City Clerk

COTTAGE GROVE | OLTMAN MIDDLE SCHOOL MASTER PLAN

SEPTEMBER 2020

Cottage Grove
Where Pride and Prosperity Meet

BOLTON & MENK

City Council Action Request

7J

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	Inwood/Highlands Water Tower - DISH Lease Agreement
Staff Recommendation	Approve the Lease Agreement with DISH Wireless, LLC for the Inwood/Highlands Water Tower, subject to minor modifications as approved by the City Attorney.
Budget Implication	N/A
Attachments	Memo - Dish Lease Inwood_Highlands Water Tower.tif 64.61KB MNMSP00478A_ApprovedExecutableLease_2022… 28.31MB

Cottage Grove
Where Pride and Prosperity Meet

To: Mayor and Council

From: Kori Land, City Attorney

Date: November 2, 2022

Subject: DISH Lease Agreement at Inwood/Highlands Water Tower

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City Staff has been negotiating with DISH Wireless for almost a year to locate antennas on the Inwood/Highlands Water Tower. With the removal of the Sprint equipment, there is space available. We have finally completed negotiations and the deal points are as follows:

- The term of the lease is a 5-year lease, renewable for 4 additional terms, for a total of 25 years, expiring on December 31, 2047.
- Rent is $45,000/year with a 4% escalator each year
- Dish will be using the existing equipment shelter that was vacated by Sprint
- Dish is required to pay for all costs associated with the preparation of the Lease, including consulting and engineering fees to review their plans

RECOMMENDATION:
Approve Lease Agreement with DISH Wireless, LLC for the Inwood/Highlands Water Tower, subject to minor modifications as approved by the City Attorney

ANTENNA SITE LEASE AGREEMENT

THIS ANTENNA SITE LEASE AGREEMENT ("Lease"), is made effective as of the _____ day of _____, 2022 (the "Effective Date"), between the City of Cottage Grove, a Minnesota municipal corporation ("Landlord"), and DISH Wireless L.L.C., a Colorado limited liability company ("Tenant"). Landlord and Tenant are at times collectively referred to hereinafter as the "Parties" or individually as the "Party."

WHEREAS, the Parties, would like to enter into this Lease for Tenant to lease a portion of Landlord's property to Tenant for the purpose of constructing, maintaining and operating a communications facility and uses incidental thereto.

FOR GOOD AND VALUABLE CONSIDERATION, the Parties agree as follows:

1. LEASED PREMISES. For purposes of operating wireless communications services, and subject to the terms and conditions of this Lease, Landlord hereby leases to Tenant and Tenant leases from Landlord the following premises:

(a) A portion of Landlord's Property, located at 6700 Inwood Avenue South, in Cottage Grove, Washington County, Minnesota, which is legally described on **Exhibit A** attached hereto and incorporated herein ("Landlord's Property"), upon, in, under or over which Tenant's Antenna Facilities (as defined below) are attached, connected, enclosed or contained; and

(b) A portion of the Landlord's water tower ("Structure"), for the installation, operation and maintenance of directional antennas and receivers, connecting cables and appurtenances; and

(c) Space within an existing equipment shelter, owned by Landlord, for the installation, operation and maintenance of Tenant's base equipment ("Equipment Shelter"); and

(d) Non-exclusive easements required to run utility lines and cables to the Equipment Shelter; and

(e) A non-exclusive easement across Landlord's Property for ingress and egress from the right-of-way to the Equipment Shelter and the Structure so that Tenant has access to its Antenna Facilities.

All of the aforementioned items (a) – (e) are depicted on **Exhibit B,** attached hereto and incorporated herein, and shall be collectively known as the "Leased Premises."

Tenant's Antenna Facilities are defined as Tenant's directional antennas, receivers, connecting cables, utility lines, Equipment Shelter and base equipment and are more specifically depicted on **Exhibit B,** attached hereto and incorporated herein.

HLN

2. RENT.

(a) Initial Rent Amount, Adjustments. As consideration for this Lease, Tenant shall pay Landlord annual rent in the amount of Forty-five Thousand and 00/100 ($45,000) ("Rent") beginning on the Commencement Date, with partial months pro-rated, but then Rent shall be increased automatically and without notice on January 1, 2023 and each year thereafter on January 1st for the Initial Term, and any Renewal Term, by four percent (4.0%) of the previous year's annualized rent.

(b) Time of Payment, Taxes. The initial Rent payment(s) shall accrue as of the Commencement Date but may not be sent by Tenant to Landlord until sixty (60) days after the Commencement Date. Thereafter, Tenant shall make monthly Rent payments to the Landlord and said monthly Rent shall be paid before the first (1st) business day of each month. The Parties agree that Tenant may pay Rent by electronic funds transfer and Landlord agrees to provide to Tenant bank routing information for such purpose upon execution of this Lease. Tenant's obligation to pay Rent or any other amount due hereunder is contingent upon Tenant's receipt of an IRS approved W-9 form setting forth the tax identification number of Landlord (or of the person or entity to whom Rent is to be made payable, if applicable). In addition to annual Rent, Tenant agrees to timely pay its pro-rata share of any taxes or payments in lieu of taxes directly attributable to the installation of Tenant's Antenna Facilities upon the Leased Premises within sixty (60) days' receipt of a bill for such payments.

(c) Sublease. Tenant shall not be allowed to sublease space on the Leased Premises to additional telecommunication providers or to sublease the use of its conduit or coaxial access to other telecommunication providers as to allow such other telecommunication providers to use Tenant's Antenna Facilities. Separate lease agreements for additional ground and antenna space shall be with Landlord, not Tenant.

(d) Miscellaneous. Tenant shall pay for all actual, reasonable costs of Landlord's inspections and installation project management costs for this project and any subsequent projects within sixty (60) days after Landlord sends a detailed invoice for such fees to Tenant. In addition to consulting and engineering inspection costs, Tenant shall reimburse Landlord for all actual, reasonable costs associated with drafting and reviewing this Lease and any amendments thereto and approving Tenant's application, including but not limited to all staff and administrative review time, third-party consultant fees and expenses and attorney's fees. All fees and invoices must be paid within sixty (60) days after Landlord sends Tenant a detailed invoice for the same.

3. TERM AND RENEWAL. The initial term of this Lease shall begin on January 1, 2023 (the "Commencement Date") and shall end on December 31, 2027 (hereinafter referred to as the "Initial Term"). Subject to the terms and conditions of this Lease, Tenant shall have the right to renew this Lease for four (4) additional five (5) year renewal periods (each a "Renewal Term" and collectively the "Renewal Terms") commencing on January 1, 2028 or on any subsequent Renewal Term. This Lease shall be automatically renewed for each successive Renewal Term upon the same terms and conditions unless Tenant sends written notice of non-renewal to Landlord no later than one hundred eighty (180) days prior to the expiration of the Initial Term or any Renewal Term, such notice to be provided in accordance with Section 27 of this Lease. The final Renewal Term shall expire on December 31, 2047.

HLN

4. GOVERNMENTAL APPROVAL CONTINGENCY.

(a) Tenant Application. Tenant's right to use the Leased Premises is expressly made contingent on Tenant obtaining and maintaining all the certificates, permits, zoning and other approvals that may be required by any federal, state, or local authority. This shall include the interference and engineering studies specified in Subsections 4(b) and 4(c) below on the Structure to be conducted at Tenant's expense. Landlord shall cooperate with Tenant in its efforts to obtain and retain such approval and shall take no action that would adversely affect the status of the Leased Premises with respect to the Tenant's proposed use thereof. Tenant shall not consider this Lease, or the negotiations to enter into a lease, as alleviating Tenant from any and all requirements for Tenant to obtain needed certificates, permits, zoning and other approvals including conditional use permits or other special approvals required by city, county, state or federal governments.

(b) Interference Study. Tenant shall only operate using frequencies in which it has received licenses from the Federal Communications Commission ("FCC"). Before obtaining a building permit for any future Antenna Facilities, modifications or improvements, Tenant must pay for the reasonable cost of an interference study, carried out by an independent and qualified professional selected by Tenant and approved by Landlord, which approval shall not be unreasonably withheld, showing that Tenant's intended use will not interfere with any other tenant's existing communications facilities, unless such requirement is waived by Landlord. If the study finds that there is a potential for interference that cannot be reasonably remedied, Landlord may deny the building permit.

(c) Structural Engineering Certification. Before obtaining a building permit, Tenant must pay for the reasonable cost of an engineering study carried out by a qualified engineer selected by Landlord, showing that the Structure is able to support the proposed Antenna Facilities, modifications or improvements without materially adversely affecting Landlord's use of the Structure or the use of the Structure by any other tenant. If the study finds that the Structure is inadequate to support the proposed Antenna Facilities, modifications or improvements or materially adversely effects Landlord's use of the Structure or use of the Structure by any other tenant, Landlord may deny the building permit.

(d) Non-Approval. In the event that any application necessary under Subsection 4(a) above is rejected or any certificate, permit, license or approval issued to Tenant is canceled, denied, expires, lapses or is otherwise withdrawn or terminated by government authority so that Tenant, in its sole discretion, will be unable to use the Leased Premises for its intended purposes, or if an interference or engineering study, whether conducted pursuant to Subsections 4(b) and 4(c) above or otherwise, should indicate, in Tenant's sole discretion, that the Leased Premises are unsatisfactory for Tenant's intended use, Tenant shall have the right to terminate this Lease and no further Rent shall be due following the termination date. Tenant shall provide ninety (90) days written notice to Landlord of Tenant's intent to exercise its right to terminate pursuant to this Subsection, and such notice shall be provided in accordance with Section 27, Notices, of this Lease. Except as otherwise stated in this Lease, upon such termination, this Lease shall become null and void and the Parties shall have no further obligation to each other.

HLN

5. TENANT'S USE.

(a) User Priority. Tenant agrees that the following priorities of use, in descending order, shall apply in the event of communication interference or other conflict while this Lease is in effect, and Tenant's use shall be subordinate accordingly:

i. Landlord;

ii. Public safety agencies, including law enforcement, fire, and ambulance services that are not part of Landlord;

iii. Other governmental agencies where use is not related to public safety; and

iv. Tenant and other government-regulated entities whose antenna offer a service to the general public for a fee in a manner similar to public utility, such as long distance and cellular telephone, not including radio or television broadcasters and pre-existing tenants.

(b) Purposes. Tenant shall use the Leased Premises only for the purpose of installing, maintaining, and operating Antenna Facilities, equipment, cabinets and Equipment Shelter, and uses incidental thereto for providing communications services which Tenant is legally authorized to provide. This use shall be non-exclusive, and Landlord specifically reserves the right to allow Landlord's Property, except the Leased Premises, to be used by other parties and to make additions, deletions, or modifications to its own facilities on the Leased Premises except as set forth in Subsection 5(a) herein. Tenant's installation, maintenance and operation of the Antenna Facilities shall at all times comply with all applicable ordinances, statutes and regulations of local, state and federal governmental agencies. Tenant shall have exclusive use of its Antenna Facilities.

(c) Modifications, Replacements or Other Improvements of Antenna Facilities. Tenant agrees that it will install only antennas that Tenant knows will not interfere with existing antennas or with antennas with higher priority. If Tenant seeks to modify, replace or improve its Antenna Facilities, then Tenant must obtain a building permit from Landlord and comply with Subsections 4(b) and 4(c) requiring an interference study and engineering study, unless such requirement is waived by Landlord. Landlord shall notify Tenant upon building permit review whether an interference study and engineering study is required or waived. Notwithstanding the foregoing, Tenant shall not be required to obtain an interference study or engineering study prior to completing routine repairs and maintenance of the Antenna Facilities. A modification, replacement or improvement that expands the size of the Antenna Facilities or alters the location of the Antenna Facilities located on the Leased Premises from the location of the existing Antenna Facilities depicted on **Exhibit B** as of the Commencement Date or as **Exhibit B** may be subsequently amended, shall increase the annualized Rent by a proportionate amount, as reasonably determined by Landlord and agreed to by Tenant. An amendment to this Lease may also be required. Tenant shall reimburse Landlord for all costs associated with amending this Lease due to Tenant's modification, replacement or other improvements.

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(d) Pre-Construction Plans. Prior to the initial construction, and for any and all modifications, replacements or improvements to the Antenna Facilities proposed after the Commencement Date, Tenant shall provide Landlord and Landlord's engineering consultant with construction plans in an electronic file format that is compatible with Landlord's record management system and two (2) sets of drawings of the improvements proposed for the Leased Premises consisting of the following:

i. Line or CAD drawings showing the actual physical location of all planned installations plus materials and construction methods;

ii. Specifications for all planned installations;

iii. Diagrams of proposed Antenna Facilities;

iv. A complete and detailed inventory of all equipment and personal property of Tenant proposed to be placed on the Leased Premises;

v. Results of the interference study required by Subsection 4(b); and

vi. Results of the engineering study required by Subsection 4(c).

(collectively referred to as "Construction Plans") Landlord shall have thirty (30) business days to review the Construction Plans, and Landlord's approval of the Construction Plans shall not be unreasonably withheld, conditioned or delayed, provided, however, Landlord may condition acceptance on a reasonable increase in Rent related to plans that expand or alter the Antenna Facilities, as provided in Section 5(c). If Landlord fails to either approve the Construction Plans or provide written request for changes of said Construction Plans to Tenant within the thirty (30) day period, the Construction Plans will be deemed approved by Landlord. Tenant shall be solely responsible for all costs associated with said review and approval of Construction Plans.

(e) Post-Construction As-Built Drawings. Within thirty (30) days after Tenant modifies the Antenna Facilities, Tenant shall provide Landlord with as-built drawings in electronic file format compatible to the Landlord's record management system to replace **Exhibit B** that consist of as-built drawings of the Antenna Facilities and the improvements actually installed on Landlord's Property and the Leased Premises, which show the actual location of all equipment and improvements. Said drawings shall be accompanied by a complete and detailed site survey of the Property, inventory of all equipment, personal property and the modified Antenna Facilities. Landlord retains the right to survey the installed equipment.

(f) Contractor Approval. Any contractor chosen by Tenant to carry out construction, installation, maintenance or any other work on the Structure must be pre-approved by the Landlord prior to the pre-construction meeting. Contractor information to include at the minimum:

i. Name and contact information;

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ii. Experience (with water storage tank installations); and

iii. OSHA violations within the previous three (3) years.

Landlord retains sole discretion and reserves the right to reject any and all contractors Tenant may choose for the installation work as determined to be in the best interests of Landlord and to waive any informalities.

(g) Inspection. Consulting engineering inspection will be provided beginning with the pre-construction conference and continuing through installation, construction, punch-list and verification of as-builts at project completion as determined solely by Landlord, at Tenant's expense. Landlord will not arbitrarily require more inspections than are reasonably necessary to ensure the continued delivery of service and security of Landlord's Property and the Structure. Tenant shall pay for all costs of Landlord's inspections and installation project management costs pursuant to Subsection 2(d). Notwithstanding anything to the contrary, prior to energizing any future modifications to Tenant's Antenna Facilities, all punch-list items related to installation must be substantially complete (the exception may be weather-related finish painting, etc., as determined by Landlord).

(h) Tenant's Operation and On-Going Maintenance. Tenant shall have the right, at its sole expense, to operate and maintain the Antenna Facilities on the Leased Premises, as depicted on **Exhibit B**, in accordance with good engineering practices and all applicable FCC rules and regulations. Tenant's installation of all Antenna Facilities shall be done according to plans approved by Landlord. Any damage done by Tenant, its employees or agents to the Leased Premises or any other portion of Landlord's Property including the Structure during installation or during operations, shall be repaired by Tenant at Tenant's expense within thirty (30) days after notification of damage. The Antenna Facilities shall remain the exclusive property of the Tenant, unless otherwise provided in the Lease. Tenant's Antenna Facilities shall be maintained in a good state of repair, at least equal to the standard of maintenance of the Landlord's facilities on or adjacent to the Leased Premises. If Tenant's Antenna Facilities are mounted on the Structure they shall, at all times, be painted, at Tenant's expense, the same color as the Structure. Landlord reserves the right to require or waive this requirement as it pertains to feed line, jumpers, brackets, connecters and other ancillary equipment on a case-by-case basis, depending on the installation configuration.

(i) No Interference. Tenant shall, at its own expense, maintain any equipment on or attached to the Leased Premises and owned by Tenant in a safe condition, in good repair and in a manner suitable to Landlord so as not to conflict with the use of the surrounding Landlord's Property by Landlord. Tenant shall not unreasonably interfere with the operations of any prior tenant using the Structure and shall not interfere with the working use of the water storage facilities or anything to be placed thereon by Landlord.

(j) Access. Tenant, at all times during this Lease, shall have exclusive access to its Antenna Facilities located on the Leased Premises in order to install, operate, repair and maintain its Antenna Facilities. Tenant shall request access to the Structure by telephone or email twenty-

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four (24) hours in advance, except in an emergency, and Landlord approval thereof shall not be unreasonably withheld or delayed. Access to Antenna Facilities on the Structure shall be with prior telephonic or email notice; Tenant's employees or contractors must provide identification; and such access must occur in the presence of a Landlord designated employee. Both Landlord and Tenant shall maintain a written record of all site visits, including the name of all personnel. In the event it is necessary for Tenant to have access to the Structure at some time other than the normal working hours of Landlord, Landlord may charge Tenant for whatever expense, including employees' wages that Landlord may incur in providing such access to Tenant.

(k) Payment of Utilities. Landlord makes no representations that utilities adequate for Tenant's use of the Leased Premises are available. If the existing utilities (including fiber) sources located on the Property are insufficient for the operation of the Antenna Facilities, then Landlord agrees to grant Tenant and/or the applicable third-party utility or fiber provider the right, at Tenant's sole cost and expense, to install such utilities or fiber on, over and/or under the Property as is necessary for the operation of the Antenna Facilities, provided that the location of such utilities and fiber shall be mutually agreed upon by Landlord and Tenant prior to the commencement of installation thereof. Tenant shall separately meter charges for the consumption of electricity and other utilities associated with its use of the Leased Premises and shall be responsible to promptly pay all costs associated therewith. Landlord will cooperate with Tenant in Tenant's efforts to obtain utilities from any location provided by the servicing utility.

6. EMERGENCY FACILITIES. In the event of a natural or manmade disaster, in order to protect the health, welfare and safety of the community, Tenant may erect additional Antenna Facilities and install additional equipment on a temporary basis on the Leased Premises to ensure continuation of service. Such temporary operation shall not exceed ninety (90) days unless Tenant obtains written approval from the Landlord.

7. LANDLORD'S MAINTENANCE, IMPROVEMENT EXPENSES. All modifications to the Leased Premises and all improvements made for Tenant's benefit shall be at the Tenant's expense. Upon notice from Landlord, Tenant shall promptly pay to Landlord expenses incurred in maintaining the Leased Premises directly caused by Tenant's occupancy of the Leased Premises. Throughout the term of this Agreement, Landlord shall maintain Landlord's Property and the Structure in good condition and repair, and in compliance with all applicable laws, rules and regulations, including all regulations related to the marking and lighting of structures or towers, all at Landlord's sole cost and expense.

8. ADDITIONAL BUILDINGS. Tenant acknowledges that Landlord may permit additional buildings to be constructed on Landlord's Property. At such time as this may occur, Landlord may permit said buildings to be placed immediately adjacent to Tenant's Equipment Shelter. Said attachments will be made at no cost to Landlord or Tenant, will not compromise the structural integrity of Tenant's Equipment Shelter, and will not unreasonably interfere with the operation and maintenance of Tenant's Antenna Facilities.

9. RELOCATING DURING RECONDITIONING, PAINTING AND REPAIRS. In the event that Landlord elects to recondition, paint or otherwise undertake maintenance of the Structure or Landlord's Property or the Leased Premises requiring the temporary relocation or

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removal of the Antenna Facilities, Tenant shall remove its Antenna Facilities at Tenant's cost, to allow such maintenance, repair, repainting, restoration or other activity as required by Landlord. Except in the case of an emergency, Landlord shall give Tenant at least one hundred eighty (180) days' notice prior to initiating such maintenance. In case of emergency, Landlord may remove Tenant's Antenna Facilities but shall notify Tenant by telephone within a reasonable time. An "emergency" shall be deemed to exist only in those situations which constitute an immediate threat to the health or safety of the public or immediate danger to Landlord's Property or the Structure. In the event the use of Tenant's Antenna Facilities is interrupted, Tenant shall have the right to maintain mobile cellular equipment on Landlord's Property. Tenants will have priority based on the date of their leases (with the existing leases having highest priority) if space is limited. If Landlord's Property will not accommodate mobile equipment, it is Tenant's responsibility to locate auxiliary sites at its sole cost and expense. If Landlord's Property will not accommodate Tenant's mobile equipment, then Landlord shall reimburse Tenant for Rent on a pro-rata basis during that period that Tenant is unable to operate the Antenna Facilities at the Property. After receiving notice, Tenant must relocate or remove Antenna Facilities at its sole cost and expense. If Tenant fails to remove Antenna Facilities within the timeframe stated in the notice, Landlord may remove Antenna Facilities and store the Antenna Facilities accordingly. Tenant shall be required to reimburse Landlord for any reasonable additional expenses incurred by Landlord for removing and storing the Antenna Facilities. Landlord shall provide an itemized statement of additional costs incurred by Landlord. Tenant shall be responsible for reinstalling its Antenna Facilities following completion of the work, at its sole cost and expense. Tenant may reattach the Antenna Facilities to the Structure in the same manner and in the same location as before the relocation.

10. DEFENSES AND INDEMNIFICATION.

(a) General. Landlord and Tenant each indemnify the other and hold harmless the other and their elected officials, officers, employees, agents and representatives, from and against any and all costs (including reasonable attorneys' fees and expenses) and third party claims, losses, actions, demands, damages, obligations, liabilities and liens which arise out of (i) the breach of the Lease by the indemnifying Party; and (ii) the use and/or occupancy of the Landlord's Property, except for any claims, losses, actions, demands, damage, obligations, liabilities and liens arising from any negligent or intentional misconduct of the indemnified Party. Tenant shall defend Landlord from all third party claims arising out of the installation, operation, use, maintenance, repair, or removal of Tenant's Antenna Facilities, equipment and related facilities on the Leased Premises. The obligations in this Subsection 10(a) shall survive termination of this Lease.

(b) Hazardous Materials. Without limiting the scope of Subsection 10(a) above, Tenant shall be solely responsible for and will defend, indemnify and hold Landlord, its agents and employees, harmless from and against any and all claims, costs and liabilities, including reasonable attorneys' fees and costs, arising out of or in connection with the cleanup or restoration of the Leased Premises associated with Tenant's use of Hazardous Materials. For purposes of this Lease, "Hazardous Materials" shall be interpreted broadly and specifically includes, without limitation, asbestos, fuel, batteries or any hazardous substance, waste or material as defined in any federal, state or local environmental or safety laws or regulations including, but not limited to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

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(c) Tenant's Warranty. Tenant represents and warrants that its use of the Leased Premises will not generate and Tenant will not store or dispose of on the Leased Premises, nor transport to or over the Leased Premises, any Hazardous Materials, unless Tenant specifically informs Landlord thereof in writing twenty-four (24) hours prior to such storage, disposal or transport, or otherwise as soon as Tenant becomes aware of the existence of Hazardous Materials on the Leased Premises; Tenant shall provide initial and annual updates of Safety Data Sheets (SDS) on all Hazardous Materials that are part of, or necessary to, the operation of the Antenna Facilities and maintenance thereof. Tenant warrants that no hazardous material supplies used in routine maintenance or repair will be stored on the Leased Premises. Notwithstanding the foregoing, the Parties agree that Tenant may use batteries and other equipment regularly used in the course of Tenant's business, without prior notice to Landlord or providing annual updates, provided that Tenant shall store, dispose, transport or use such materials in compliance with applicable law. The obligations of this Subsection 10(c) shall survive the expiration or other termination of this Lease.

11. INSURANCE.

(a) Workers' Compensation. Tenant must maintain Workers' Compensation insurance in compliance with all applicable statues. The policy shall also provide Employer's Liability coverage with limits of not less than Five Hundred Thousand Dollars ($500,000) Bodily Injury each accident, Five Hundred Thousand Dollars ($500,000) bodily injury by disease, policy limit, and not less than Five Hundred Thousand Dollars ($500,000) Bodily Injury by disease, each employee.

(b) General Liability. Tenant must maintain an occurrence form Commercial General Liability Coverage. Such coverage shall provide for third party bodily injury and property damage arising out of the use, maintenance or operation of the Leased Premises and Antenna Facilities. Tenant must maintain aforementioned Commercial General Liability Coverage with limits of Liability of $1,500,000 each occurrence and; $2,000,000 general aggregate. These limits may be satisfied by the Commercial General Liability Coverage or in combination with an Umbrella or Excess Liability Policy, provided coverage afforded by the Umbrella or Excess Policy is no less than the underlying Commercial General Liability Coverage.

Landlord will include Tenant as an Additional Insured on the Commercial General, but only to the extent allowed in Section 10, Defense and Indemnification, of this Lease.

Landlord must maintain Commercial General Liability Coverage with limits of Liability of $1,000,000 each occurrence and $2,000,000 general aggregate. Landlord will include Tenant as an Additional Insured on the Commercial General, but only to the extent allowed in Section 10, Defense and Indemnification, of this Lease.

(c) Automobile Liability. Tenant must carry Commercial Automobile Liability coverage in an amount of $1,500,000 combined single limit each accident for bodily injury and property damage covering all owned, non-owned and hired vehicles. The liability limits may be afforded under the Commercial Automobile Liability Policy, or in combination with an Umbrella

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or Excess Liability Policy provided coverage afforded by the Umbrella or Excess Policy is no less than the underlying Commercial Automobile Liability Coverage.

(d) Tenant Property Insurance. Tenant must keep in force for the duration of the Lease a policy covering damages to its Antenna Facilities at the Leased Premises. The amount of coverage shall be sufficient to replace the damaged property, loss of use and comply with any ordinance or law.

(e) Adjustment of Insurance Coverage Limits. Notwithstanding the foregoing insurance requirements of Tenant, Tenant agrees to periodically review and adjust insurance coverage limits in accordance with then-current market and industry standards during the Initial Term and any Renewal Term.

(f) Additional Insured - Certificate of Insurance. Tenant shall provide, prior to tenancy, evidence of the required insurance in the form of a Certificate of Insurance issued by a company with a minimum AM Best Rating of A- according to the latest Best edition, licensed, authorized or permitted to do business in the state of Minnesota, which evidences all coverages required in this Section 11. Tenant will include Landlord as an Additional Insured on the Commercial General Liability and Commercial Automobile Liability Policies, but only to the extent allowed in Section 10, Defense and Indemnification, of this Lease. The Certificate(s) shall also provide the coverage may not be canceled, non-renewed or materially changed without thirty (30) days prior written notice to Landlord.

12. REIMBURSEMENT OF EXPENSES BY TENANT. If Tenant fails to reimburse Landlord for its expenses within sixty (60) days after receipt of an invoice from Landlord or such other timeframe as specified in this Lease, or if Tenant fails to provide information required by this Lease within sixty (60) days after notice from Landlord, Tenant shall be deemed to be in default under this Lease and subject to lease termination as provided in Paragraph 13(a)(i). In addition to being in default hereunder, Tenant shall pay a penalty to Landlord in the amount of one (1) month's Rent for each month that Tenant fails to pay the invoice submitted by Landlord and/or provide the documents required as the case may be. The terms of this Section shall survive the termination or expiration of this Lease.

13. LEASE TERMINATION.

(a) Events of Termination. Except as otherwise provided herein, this Lease may be terminated by either Party upon sixty (60) days written notice to the other Party, provided in accordance with Section 27, Notices, of this Lease, as follows:

i. By either Party upon a default of any covenant or term hereof by the other Party, which default is not cured within thirty (30) days of receipt of written notice of default to the other Party (without, however, limiting any other rights of the Parties pursuant to any other provision hereof); or

ii. By Tenant for cause if it is unable to obtain or maintain any license, permit or other governmental approval necessary for the construction and/or operation of the Antenna Facilities; or

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iii. By Tenant for cause if the Leased Premises become unusable under Tenant's design or engineering specifications for its Antenna Facilities, or the communications system to which the Antenna Facilities belong or for technological reasons, including, without limitation, shadowing or interference under Tenant's Antenna Facilities; or

iv. By Tenant, upon one hundred eighty (180) days written notice if Tenant determines that the Leased Premises is unnecessary or obsolete, in which case Tenant shall pay 110% of the annual rent for the year in which Tenant terminates; or

v. By Landlord, following expiration of the first Renewal Term, upon one year's written notice if its Council decides, for any reason, to redevelop Landlord's Property in a manner inconsistent with continued use of the Leased Premises by Tenant, discontinue use of the Structure for water tower purposes and/or sell the Property, provided that Landlord shall use best efforts to allow Tenant to relocate its Antenna Facilities to another location on the Property or on other property owned by Landlord. If Landlord seeks to terminate this Lease pursuant to this Subparagraph 13a(v), then before terminating this Lease pursuant to this Subparagraph 13a(v), Landlord shall use best efforts to relocate Tenant, at Tenant's expense, to a Landlord-owned or leased location within the municipal boundaries of Cottage Grove, Minnesota; or

vi. By Landlord if it reasonably determines that the Structure is structurally unsound, including, but not limited to, consideration of age of the Structure, damage or destruction of all or part of the Structure on the Leased Premises from any source or factors relating to condition of the Leased Premises, provided that Landlord shall use best efforts to allow Tenant to relocate its Antenna Facilities to another location on the Property or on other property owned by Landlord; or

vii. By Landlord, upon one (1) year written notice, if an engineering study reasonably determines that a potential user with a higher priority under Subsection 5(a) above cannot find another adequate location, or the Antenna Facilities unreasonably interfere with another user with a higher priority, and that interference cannot be reasonably abated. If Landlord seeks to terminate this Lease pursuant to this Subparagraph 13a(vi) due to a priority user need related to public safety, then this Lease may be terminated by Landlord without further obligation to Tenant. If Landlord seeks to terminate this Lease pursuant to this Subparagraph 13a(vi) and the priority user's need is not related to public safety, then before terminating this Lease pursuant to this Subparagraph 13a(vi) Landlord shall make all reasonable efforts to arrange placement of the priority user in a way which will not necessitate the removal of Tenant or termination of this Lease. If Landlord is unable to arrange for mutual placement of Tenant and the priority user unrelated to public safety, Landlord may terminate this Lease pursuant to this Subparagraph 13a(vi), and Landlord shall use its best efforts to relocate Tenant, at Landlord's expense, to a

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Landlord-owned or leased location within the municipal boundaries of Cottage Grove, Minnesota; or

viii. By Landlord if it determines that Tenant has failed to comply with applicable ordinances or state or federal law, or any conditions attached to government approvals granted thereunder after a thirty (30) day cure period.

(b) Notice of Termination. The Parties shall give notice of termination in writing in accordance with Section 27, Notices. Except as set forth herein, all Rent paid for the Lease prior to said termination date shall be retained by Landlord.

(c) Tenant's Liability for Early Termination. If Tenant terminates this Lease other than for cause or of right as provided in this Lease, in addition to Rent paid under this Lease, Tenant shall also pay to Landlord as liquidated damages for early termination, 110% of the annual Rent for the year in which Tenant terminates, unless Tenant terminates during the last year of any Term under Section 3 and Tenant has paid the annual rental for that year.

(d) Site Restoration. In the event that this Lease is terminated or not renewed, Tenant shall within ninety (90) days following termination or expiration (the "Removal Period"), remove its Antenna Facilities and related equipment from the Leased Premises, repair the site and restore the surface of the Structure. Should this situation occur during the winter season, the restoration shall commence at the start of weather permissible to the quality of workmanship required by Landlord. Such time period shall be agreeable to Landlord and Tenant. In the event that Tenant's Antenna Facilities and related equipment are not removed to the reasonable satisfaction of the Landlord within the Removal Period, they shall be deemed abandoned and become the property of the Landlord, and Tenant shall have no further rights thereto. In the event that Tenant's Antenna Facilities, and related equipment are not removed to the reasonable satisfaction of the Landlord within the Removal Period, Landlord shall have the option to take the following actions:

i. Fully decommission the Antenna Facilities, have the Antenna Facilities removed, and repair the site and restore the Property, and bill the Tenant for the cost of such actions. If Landlord removes the Antenna Facilities or related equipment, Landlord must give written notice to any mortgagee of Tenant at the addresses provided, informing them that Antenna Facilities or related property have been removed and will be deemed abandoned if not claimed and the storage fees and other reasonable costs paid within sixty (60) days; or

ii. Take full ownership of the Antenna Facilities and continue their operations at the expense and benefit of Landlord.

This provision shall survive the termination of this Lease.

14. DAMAGE OR DESTRUCTION. Tenant's installation of any future Antenna Facilities shall be done according to plans approved by Landlord. Any damage done to the Leased Premises or any other portion of Landlord's Property including the Structure during installation or operations shall be

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repaired at Tenant's expense within sixty (60) days after notification of damage and to Landlord's reasonable satisfaction. If the Leased Premises are destroyed or damaged, without the contributory fault of Tenant or its agents, so as, in Tenant's judgment, to hinder its effective use of the Antenna Facilities, Tenant may elect to terminate this Lease upon sixty (60) days written notice to Landlord. In the event Tenant elects to terminate the Lease, Tenant shall be entitled to reimbursement of prepaid Rent covering the period subsequent to the date of damage to or destruction of the Leased Premises.

15. LIMITATION OF LANDLORD'S LIABILITY. If Landlord causes interruption of the business of Tenant, or for any other Landlord breach of this Lease, Landlord's liability for damages to Tenant shall be limited to the actual and direct costs of the replacement of this site in Tenant's network including, without limitation, equipment removal, relocation or repair, and all cost associated with the identification of a new site for Tenant's replacement communications facility, applying for any necessary governmental approvals, and the cost of constructing a new antenna support structure, including without limitation, surveys, designs, foundation, steel, and erection of the structure and supporting facilities, but not including the Tenant's own communications equipment, and shall specifically exclude any recovery for value of the business of Tenant as a going concern, future expectation of profits, loss of business or profit or related damage to Tenant.

16. TEMPORARY INTERRUPTIONS OF SERVICE. If Landlord reasonably determines that continued operation of the Antenna Facilities would cause an immediate threat to public health and/or safety (except for any issues associated with human exposure to radio frequency emissions, which is regulated by the federal government), Landlord may order Tenant to temporarily discontinue its operation. Tenant shall immediately comply with such an order. Service shall be discontinued only for the period that the immediate threat exists. If Tenant is unable to immediately comply with such order, then Landlord may take reasonable actions to discontinue Tenant's operation, provided that Landlord shall notify Tenant as soon as possible after its action and give its reason for taking the action. Landlord shall not be liable to Tenant or any other party for any interruption in Tenant's service or interference with Tenant's operation of its Antenna Facilities, except as may be caused by the willful misconduct of Landlord, its employees or agents. If the discontinuance extends for a period greater than three (3) days, either consecutively or cumulatively, Tenant shall have the right to terminate this Lease within its sole discretion for cause and without payment of a termination fee. In addition to the foregoing, Tenant shall be entitled to reimbursement of prepaid Rent covering the period subsequent to the date of service discontinuance.

17. TENANT INTERFERENCE.

(a) With Structure. In the performance of its approved use of the Antenna Facilities, Tenant shall at its own expense, maintain any of Tenant's equipment on or attached to the Leased Premises in a safe condition, in good repair and in a manner suitable to Landlord so as not to conflict with the use of the surrounding premises by Landlord. Tenant shall not interfere with Landlord's use of the Structure and agrees to temporarily cease all such actions that unreasonably and materially interfere with Landlord's use thereof no later than three (3) business days after receipt of written notice of the interference from Landlord. In the event that Tenant's cessation of action is material to Tenant's use of the Leased Premises and such cessation frustrates Tenant's use of the Leased Premises, within Tenant's sole discretion, Tenant shall have the immediate right

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to terminate this Lease for cause and without payment of a termination fee. Further, Tenant shall be entitled to a reimbursement of prepaid Rent covering the period subsequent to the date of interference from Landlord.

(b) With Higher Priority Users. If Tenant's Antenna Facilities cause impermissible interference with higher priority users as set forth under Subsection 5(a) or with pre-existing tenants, Tenant shall take all measures necessary to correct and eliminate the interference following receipt of written notice from Landlord of the interference. If the interference cannot be eliminated with forty-eight (48) hours after receiving Landlord's written notice of the interference, Tenant shall immediately cease operating the components of the Antenna Facilities causing the interference and shall not reactivate operation, except intermittent operation for the purpose of testing, until the interference has been eliminated. If the interference cannot be eliminated with sixty (60) days after Tenant received Landlord's written notice, Landlord may at its option terminate this Lease immediately.

(c) Interference Study for New Occupants. Upon written notice by Landlord that it has a bona fide request from any other party to lease an area in close proximity to the Leased Premises ("Leased Premises Area"), Tenant shall provide to Landlord within sixty (60) days the radio frequencies currently in operation or anticipated by Tenant to be operated in the future of each transmitter and receiver installed and operational on the Leased Premises at the time of such request. Landlord may then have an independent, registered professional engineer of Landlord's choosing perform the necessary interference studies to determine if the new applicant's frequencies will cause harmful radio interference to Tenant. Landlord shall require the new applicant to pay for such interference studies.

(d) Interference by New Occupants. Landlord agrees that it will not grant a future lease in the Leased Premises Area to any party who is of equal or lower priority to Tenant, if such party's use is reasonably anticipated to interfere with Tenant's operation of its Antenna Facilities. Landlord agrees further that any future lease of the Leased Premises Area will prohibit a user of equal or lower priority from interfering with Tenant's Antenna Facilities. Landlord agrees that it will require any subsequent tenants of equal or lower priority to Tenant to provide Tenant these same assurances against interference. Landlord shall have the obligation to eliminate any interference with the operation of Tenant cause by such subsequent occupants if such interference is not eliminated, Tenant shall have the right to terminate this Lease or seek injunctive relief against the interfering occupant, at Tenant's expense.

18. NOISE. All wireless service facilities shall be constructed and operated in such a manner as to minimize the amount of unreasonable noise impacts to residents of nearby homes and the users of recreational areas, such as public parks and trails. Noise attenuation measures shall be required for all air-conditioning units. Backup generators shall only be operated during power outages and for testing and maintenance purposes. At any time, noise attenuation measures may be required by Landlord when deemed necessary. Testing and maintenance activities that generate audible noise shall occur between the hours of eight o'clock (8:00) A.M. and five o'clock (5:00) P.M., weekdays (Monday through Friday, non-holiday) excluding emergency repairs, unless allowed at other times by Landlord. Testing and maintenance activities that do not generate audible noise may occur at any time, unless otherwise restricted by Landlord.

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19. INSTALLATION OF A GENERATOR. Tenant shall not install or replace any generator on Landlord's Property or the Leased Premises without Landlord's prior written approval. Notwithstanding the foregoing, Tenant shall be permitted to place an emergency generator within its Leased Premises for a period up to seven (7) days in the event of a power failure to the Antenna Facilities. In the event that Landlord grants approval for the placement of a generator on Landlord's Property, or Tenant is permitted to place a generator within its Leased Premises due to an emergency power failure, Tenant agrees to maintain or repair any such generator within the Landlord's Property or Leased Premises. Tenant further agrees that Landlord may limit the noise level at Landlord's Property that may prohibit the use of the generator and that the installation of any generator must fall within the noise level limits set by Landlord. In the event that Tenant exceeds the noise level set forth by Landlord, Tenant shall take all such steps requested by Landlord to reduce the sound levels to the level approved by Landlord, including, but not limited to, installing additional mufflers, or any other requirements that may be requested by Landlord, including but not limited to ceasing all operations of the generator. All sound reduction measures requested by Landlord shall be performed at Tenant's sole cost and expense. If Tenant fails to comply with Landlord's proposed sound reduction measures within a reasonable period following receipt of notice of the need for such measures, Tenant shall be deemed in default hereunder and Landlord may take any and all measures to stop the use of the generator. Tenant shall further repair any and all damage caused by the use of the generator upon Landlord's Property. All expenses incurred by Landlord hereunder, including attorneys' fees, shall be paid by Tenant to Landlord upon demand.

20. ASSIGNMENT. This Lease, or rights thereunder, may not be sold, assigned or transferred at any time by Tenant without the written consent of Landlord, such consent not to be unreasonably withheld, except to: (i) Tenant's Affiliates; (ii) a successor entity to Tenant's business, whether by merger or by sale of all or substantially all of Tenant's assets or stock; (iii) any entity in which Tenant or its Affiliates have any direct or indirect equity interest; or (iv) any other entity directly or indirectly controlling, controlled by or under common control with any of the foregoing. For purposes of this Section, an "Affiliate" means an entity that directly or indirectly, controls, is controlled by or under common control with Tenant. Landlord hereby consents to the assignment by Tenant of its rights under this Lease as collateral to any entity that provides financing for the purchase of the equipment used by Tenant in connection with the provision of wireless telecommunication services.

21. CONDEMNATION. In the event the whole of the Leased Premises is taken by eminent domain, this Lease shall terminate as of the date title to the Leased Premises vests in the condemning authority. In the event a portion of the Leased Premises is taken by eminent domain, either Party shall have the right to terminate this Lease as of the said date of title transfer, by giving sixty (60) days written notice to the other Party. In the event of taking under the power of eminent domain, Tenant shall not be entitled to any portion of the reward paid for the taking and Landlord shall receive full amount of such award. Tenant hereby expressly waives any right or claim to any portion thereof. Although all damages, where awarded as compensation for diminution value in of the leasehold or to the fee of the Leased Premises, shall belong to Landlord, Tenant shall have the right to claim and recover from the condemning authority, but not from Landlord (unless Landlord is the condemning authority), such compensation as may be separately awarded or recoverable by Tenant on account of any and all damage Tenant's business and any costs or expenses incurred by

HLN

Tenant in moving/removing its equipment, personal property, Antenna Facilities and leasehold improvements.

22. DISPUTES. Any claim, controversy or dispute arising out of this Lease not resolved within ten (10) days following written notice of the dispute shall be submitted first and promptly to mediation. Each Party shall bear its own cost of mediation. If mediation does not result in settlement within forty-five (45) days after the matter was submitted to mediation, either Party may file a claim in Washington County District Court.

23. ENFORCEMENT AND ATTORNEYS' FEES. In the event that either Party to this Lease shall bring a claim to enforce any rights hereunder, the prevailing Party shall be entitled to recover costs and reasonable attorneys' fees and other reasonable enforcement costs and expenses incurred as a result to such claim.

24. AUTHORITY. Each of the individuals executing this Lease on behalf of Tenant or Landlord represents to the other Party that such individual is authorized to do so by requisite action of the Party to this Lease.

25. BINDING EFFECT. This Lease shall run with the Leased Premises. This Lease shall extend to and bind the heirs, personal representatives, successors and assigns of the Parties.

26. GOVERNING LAW. This Lease shall be construed in accordance with the laws of the State of Minnesota, construed as having been delivered in the State of Minnesota and the Parties expressly agree that venue shall be in the State of Minnesota only, and in addition, Tenant hereby consents to the jurisdiction of the courts of the State of Minnesota, County of Washington.

27. NOTICES. All notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested, or by courier services, addressed as follows (or any other address that the Party to be notified may have designated to the sender by like notice):

If to Tenant:
DISH Wireless L.L.C.
Attn: Lease Administration/MNMSP00478A
5701 South Santa Fe Drive
Littleton, Colorado 80120

If to Landlord:
City of Cottage Grove
City Administrator
12800 Ravine Parkway South
Cottage Grove, MN 55016

HLN

With a copy to: LeVander, Gillen & Miller, P.A.
Attn: Cottage Grove City Attorney
1305 Corporate Center Drive, Suite 300
Eagan, MN 55121

28. ENTIRE AGREEMENT. This Lease and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the Parties and will supersede all offers, negotiations and other agreements of any kind. There are no representations or understandings of any kind not set forth herein. Any modification of or amendment to this Lease must be in writing and executed by both Parties. The exhibits hereto are incorporated into this Lease by reference.

29. SEVERABILITY. If any term of this Lease is found to be void or invalid, such invalidity shall not affect the remaining terms of this Lease, which shall continue in full force and effect as though the unenforceable provision were not contained herein.

30. MEMORANDUM. Upon request by either Party, the Parties agree to promptly execute and deliver a recordable Memorandum of this Lease in a form acceptable to both Parties, which may be recorded by the Party requesting the Memorandum of Lease.

31. COUNTERPARTS. This Lease may be signed in counterpart by the Parties, each of which shall be deemed an original, but all of which when taken together, shall constitute a single instrument.

32. COOPERATION. The Parties hereby agree to cooperate with each other and their authorized representatives regarding any reasonable request made subsequent to execution of this Lease, to correct any clerical errors contained in this Lease and to provide any and all additional documentation deemed necessary by either Party to effectuate the transaction contemplated by this Lease. The Parties further agree that "to cooperate" as used in this Lease includes but is not limited to, the agreement by the Parties to execute or re-execute any documents that either Party reasonably deems necessary and desirable to carry out the intent to this Lease.

[The reminder of this page is intentionally left blank]

HLN

IN WITNESS WHEREOF, the parties hereto have caused this Lease to be executed as of the Effective Date.

LANDLORD
City of Cottage Grove
a Minnesota Municipal corporation

By: _____
Myron A. Bailey
Its: Mayor

By: _____
Tamara Anderson
Its: City Clerk

STATE OF MINNESOTA)
)ss
COUNTY OF WASHINGTON)

The foregoing instrument was acknowledged before me this _____day of _____, 2022, by Myron A. Bailey, the Mayor of Cottage Grove, and Tamara Anderson, City Clerk, respectively on behalf of the City of Cottage Grove, a Minnesota municipal corporation on behalf of the municipal corporation.

_____
Notary Public

TENANT: **DISH WIRELESS L.L.C.**

By_____

Name _____

Its_____

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2022, before me a Notary Public within and for said County, personally appeared _____ to me personally known, who being by me duly sworn, did say that he/she is the _____ of DISH Wireless L.L.C., the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the limited liability company.

_____
Notary Public

EXHIBIT A

Legal Description of Property

Real Property located at 6700 Inwood Ave. South in the City of Cottage Grove, County of Washington, State of Minnesota, PID 0402721310002 legally described as follows:

That part of the East half of the Southwest Quarter of Section 4, Township 27, Range 21, Washington County, Minnesota, described as commencing at the Southeast corner of said East half; thence Northerly along the East line of said East half 1417.02 feet to the actual point of beginning of the land to be hereinafter described; thence continuing Northerly on said East line 200 feet; thence Westerly, deflecting to the left 90 degrees a distance of 217.8 feet; thence Southerly deflecting to the left 90 degrees a distance of 200 feet; thence Easterly to the point of beginning, according to the United States Government Survey thereof and situate in Washington County, Minnesota.

(See attached survey)

DESCRIPTION OF PARENT PARCEL

(PER WARRANTY DEED RECORDED IN THE WASHINGTON COUNTY RECORDERS' OFFICE IN INSTRUMENT NO: 290979.)

THAT PART OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 4, TOWNSHIP 27, RANGE 21, WASHINGTON COUNTY, MINNESOTA, DESCRIBED AS COMMENCING AT THE SOUTHEAST CORNER OF SAID EAST HALF; THENCE NORTHERLY ALONG THE EAST LINE OF SAID EAST HALF 1417.02 FEET TO THE ACTUAL POINT OF BEGINNING OF THE LAND TO BE HEREINAFTER DESCRIBED; THENCE CONTINUING NORTHERLY ON SAID EAST LINE 200 FEET; THENCE WESTERLY, DEFLECTING TO THE LEFT 90 DEGREES A DISTANCE OF 217.8 FEET; THENCE SOUTHERLY DEFLECTING TO THE LEFT 90 DEGREES A DISTANCE OF 200 FEET; THENCE EASTERLY TO THE POINT OF BEGINNING, SUBJECT TO EASEMENT FOR PUBLIC ROADWAY OVER THE EAST 33 FEET THEREOF AND SUBJECT TO NORTHERN STATES POWER COMPANY EASEMENT.

EASEMENTS AND RIGHTS OF WAY

4.1 FINAL DECREE BY EARL C. BOTHE ET AL TO NORTHERN STATES POWER COMPANY, DATED DECEMBER 16, 1971, RECORDED DECEMBER 16, 1971, IN INSTRUMENT NO: 295133.
EASEMENTS; PLEASE SEE ASSIGNMENT IN INSTRUMENT NO: 3145752. (AS SHOWN ON SUR-1)

OTHER RECORDED DOCUMENTS

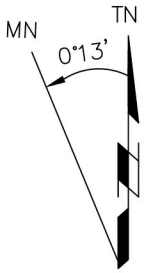
SEE SHEET SUR-4.

TOWER INFORMATION	
EXISTING TOWER TYPE	HEIGHT
WATER TANK	100.0'

SITE SURVEY

PROPERTY OWNERS: CITY OF COTTAGE GROVE

TN=TRUE NORTH
MN=MAGNETIC NORTH
(MAGNETIC DECLINATION TAKEN FROM NATIONAL GEODETIC SURVEY WEB SITE FOR THIS AREA, 04/28/2022) CHANGING BY 0" 3' W PER YEAR (PLUS OR MINUS 0" 25'.)



GEOGRAPHIC COORDINATES

LATITUDE:	44°51'08.08"N	44.852244°	NAD83
LONGITUDE:	92°56'03.76"W	-92.934378°	NAD83
SITE ELEVATION:	1008 FEET		NAVD88

UTILITY NOTE

THE LOCATIONS OF UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS PLOTTED ON THIS DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SURVEYOR THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS NOT KNOWN TO SURVEYOR AND NOT SHOWN ON THIS DRAWING.

GENERAL NOTES

THIS PARCEL IS ZONED R3-SINGLE FAMILY RESIDENTIAL; CITY OF COTTAGE GROVE JURISDICTION.

SETBACKS: FRONT = 30'; REAR = 35'; SIDE = 10'.

ACCORDING TO THE FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 27163C0410E, PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AND WITH AN EFFECTIVE DATE OF 2/3/2010, THIS SITE APPEARS TO BE LOCATED IN ZONE "X" (AREA OF MINIMAL FLOOD HAZARD) TO THE BEST OF MY KNOWLEDGE AND BELIEF. THE SURVEYOR UTILIZED THE ABOVE REFERENCED FLOODPLAIN PANEL FOR THIS DETERMINATION; FURTHERMORE, THE SURVEYOR DOES NOT CERTIFY THAT REVISED FLOODPLAIN INFORMATION HAS NOT BEEN PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY OR SOME OTHER SOURCE.

A FULL BOUNDARY SURVEY WAS NOT PERFORMED ON THE PARENT PARCEL SHOWN ON THIS SHEET. ONLY MONUMENTS SHOWN AS "FOUND" WERE USED TO DESCRIBE THE EASEMENTS AND LEASE AREA.

THIS SURVEY WAS PREPARED WITH THE AID OF A TITLE REPORT, PREPARED BY U.S. TITLE SOLUTIONS, AS REPORT NUMBER UST69898, WITH AN EFFECTIVE DATE OF NOVEMBER 02, 2021, WHICH SHOWS DEEDS, CHAIN OF TITLE, TAXES, AND EASEMENTS OF RECORD OF DESCRIBED PARENT PARCEL.

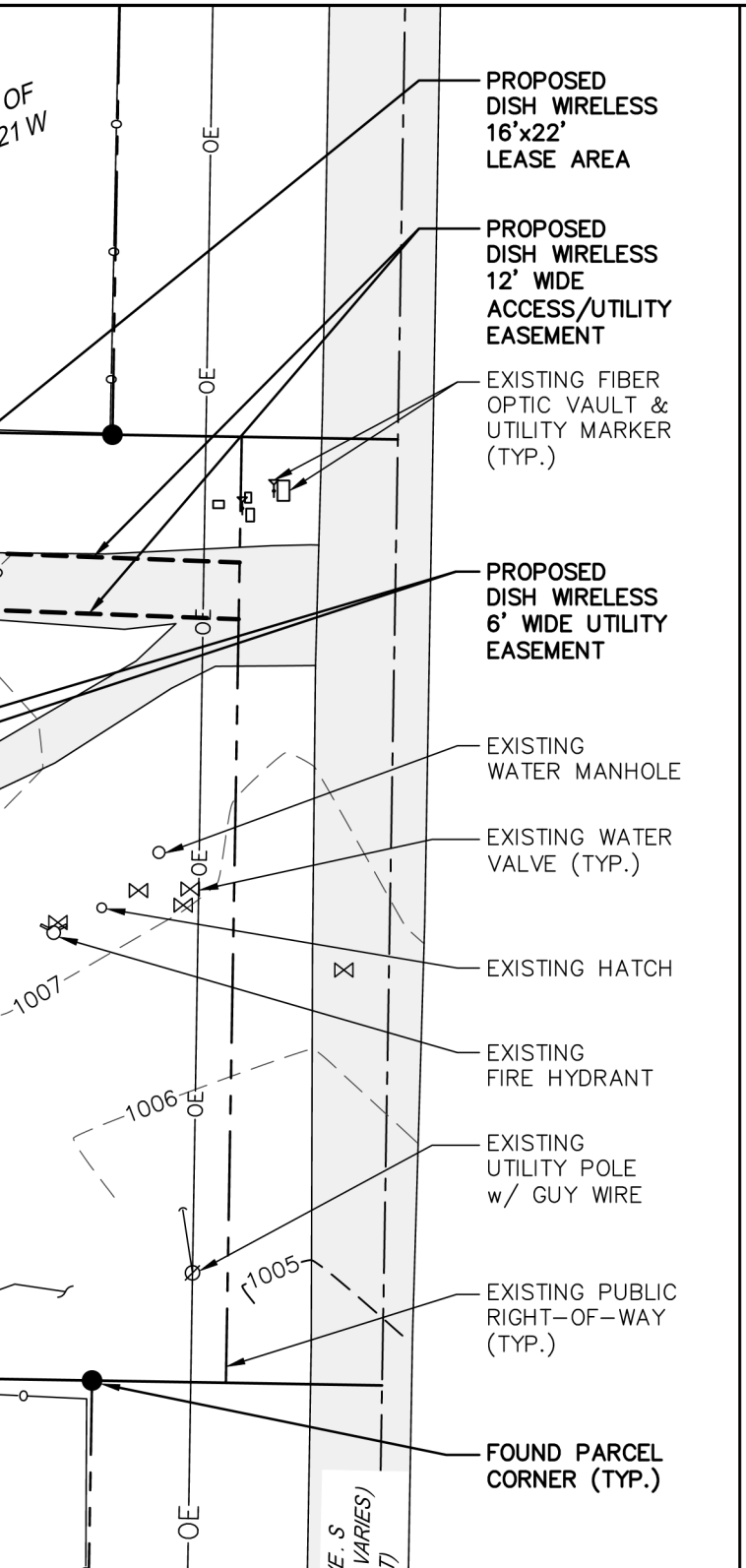
dish wireless

PBM Wireless Services — Think outside the triangle.

A	04/08/22	50% INT. REVIEW	KS
B	04/29/22	90% INT. REVIEW	KS
C	05/03/22	90% REVIEW	KS
D	09/12/22	RELOCATE LEASE AREA	KS

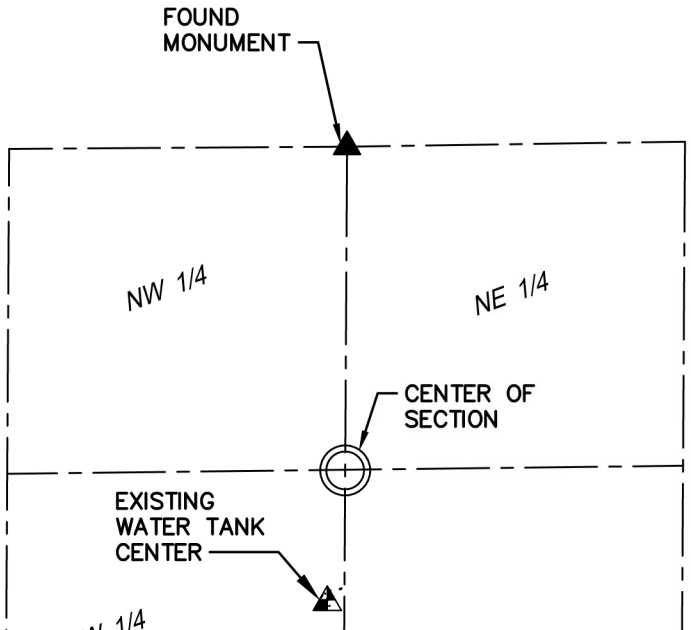
MNMSP00478A
OD AVE. S (NOT E-911 ADDRESS)
, MN 55016 - WASHINGTON COUNTY
XISITNG WATER TANK

DWG BY: KS
CHKD BY: WCB



GENERAL LEGEND

- WATER TANK CENTERLINE
- BENCH MARK
- GUARD POST/ BOLLARD
- VALVE
- UTILITY MARKER
- EXISTING STRUCTURE
- ELECTRIC – OVERHEAD
- CHAINLINK FENCE
- MINOR CONTOUR
- MAJOR CONTOUR



dish wireless

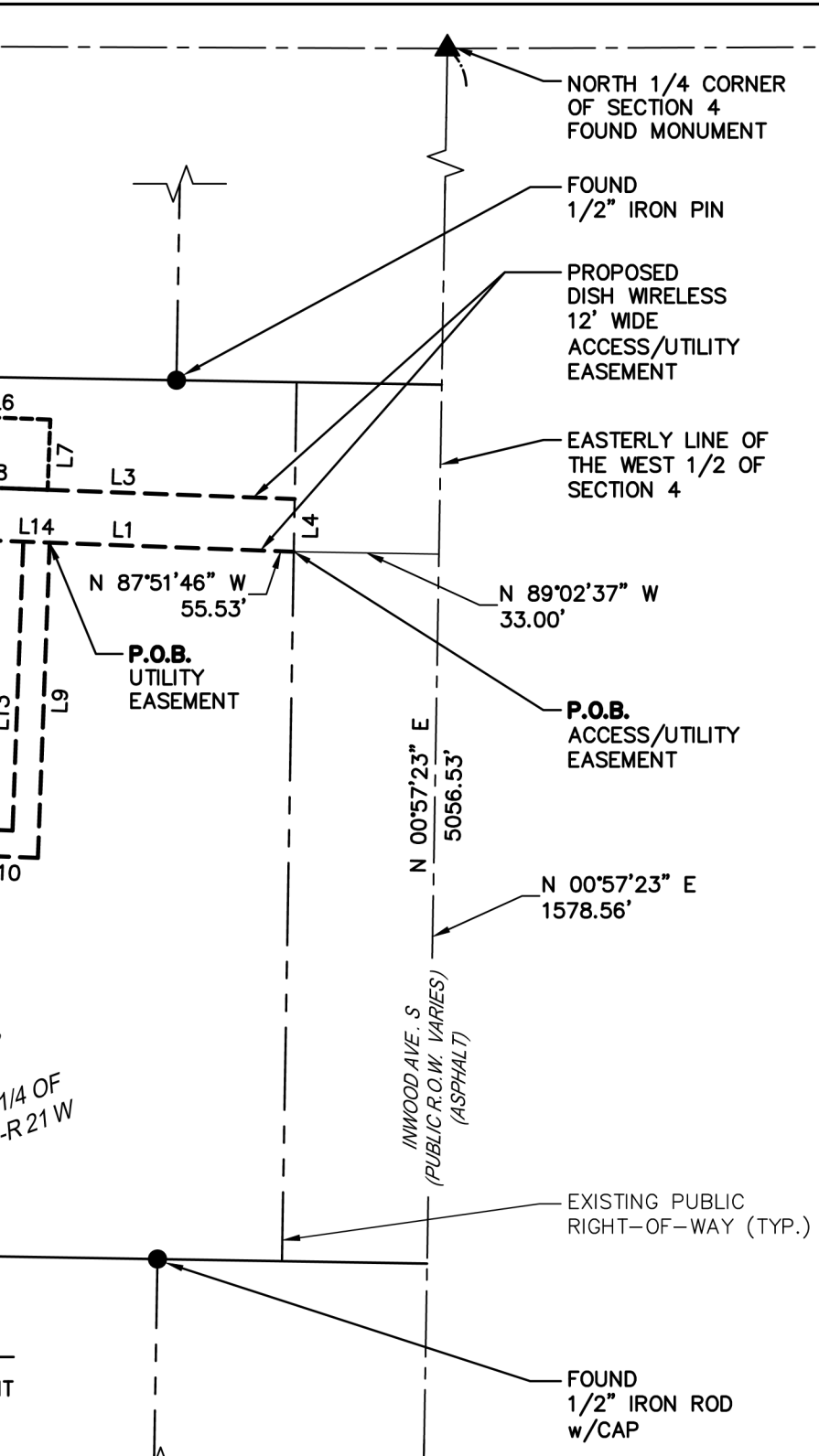
PBM Wireless Services
Think outside the triangle.

A	04/08/22	50% INT. REVIEW	KS
B	04/29/22	90% INT. REVIEW	KS
C	05/03/22	90% REVIEW	KS
D	09/12/22	RELOCATE LEASE AREA	KS

MNMSP00478A

OD AVE. S (NOT E-911 ADDRESS)
, MN 55016 – WASHINGTON COUNTY
XISITNG WATER TANK

DWG BY: KS | CHKD BY: WCB



PROPOSED ACCESS/ UTILITY EASEMENT LINE TABLE

LINE	DIRECTION	LENGTH
L1	N 87°51'46" W	78.44'
L2	N 02°08'14" E	12.00'
L3	S 87°51'46" E	78.19'
L4	S 00°57'23" W	12.00'

PROPOSED LEASE AREA LINE TABLE

LINE	DIRECTION	LENGTH
L5	N 02°08'14" E	16.00'
L6	S 87°51'46" E	22.00'
L7	S 02°08'14" W	16.00'
L8	N 87°51'46" W	22.00'

PROPOSED UTILITY EASEMENT LINE TABLE

LINE	DIRECTION	LENGTH
L9	S 02°08'14" W	71.82'
L10	N 87°51'46" W	40.65'
L11	N 02°08'14" E	6.00'
L12	S 87°51'46" E	34.65'

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PBM Wireless Services
Think outside the triangle.

A	04/08/22	50% INT. REVIEW	KS
B	04/29/22	90% INT. REVIEW	KS
C	05/03/22	90% REVIEW	KS
D	09/12/22	RELOCATE LEASE AREA	KS

MNMSP00478A

OD AVE. S (NOT E-911 ADDRESS)
, MN 55016 – WASHINGTON COUNTY
XISITNG WATER TANK

DWG BY: KS | CHKD BY: WCB

DESCRIPTION OF PROPOSED LEASE AREA

A PARCEL OF LAND, BEING A PART OF AND LYING ENTIRELY WITHIN THE SOUTHWEST QUARTER OF SECTION 4, TOWNSHIP 27 NORTH, RANGE 21 WEST, WASHINGTON COUNTY, MINNESOTA, AND IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH QUARTER CORNER OF SAID SECTION 4;

THENCE ALONG AND UPON THE EASTERLY LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 4, NORTH 00°57'23" EAST, A DISTANCE OF 1578.56 FEET;

THENCE LEAVING SAID EASTERLY LINE, NORTH 89°02'37" WEST, A DISTANCE OF 33.00 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY OF INWOOD AVE. S., SAID POINT ALSO BEING THE POINT-OF-BEGINNING OF PROPOSED ACCESS/UTILITY EASEMENT;

THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE, NORTH 87°51'46" WEST, A DISTANCE OF 78.44 FEET (L1);

THENCE NORTH 02°08'14" EAST, A DISTANCE OF 12.00 FEET (L2) TO THE **POINT-OF-BEGINNING;**

THENCE CONTINUING NORTH 02°08'14" EAST, A DISTANCE OF 16.00 FEET (L5);

THENCE SOUTH 87°51'46" EAST, A DISTANCE OF 22.00 FEET (L6);

THENCE SOUTH 02°08'14" WEST, A DISTANCE OF 16.00 FEET (L7);

THENCE NORTH 87°51'46" WEST, A DISTANCE OF 22.00 FEET (L8) TO THE **POINT-OF-BEGINNING;**

CONTAINING 352 SQUARE FEET (0.008 ACRES) MORE OR LESS.

DESCRIPTION OF PROPOSED UTILITY EASEMENT

A 6 FOOT WIDE PARCEL OF LAND, BEING A PART OF AND LYING ENTIRELY WITHIN THE SOUTHWEST QUARTER OF SECTION 4, TOWNSHIP 27 NORTH, RANGE 21 WEST, WASHINGTON COUNTY, MINNESOTA, AND IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTH QUARTER CORNER OF SAID SECTION 4;

THENCE ALONG AND UPON THE EASTERLY LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 4, NORTH 00°57'23" EAST, A DISTANCE OF 1578.56 FEET;

THENCE LEAVING SAID EASTERLY LINE, NORTH 89°02'37" WEST, A DISTANCE OF 33.00 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY OF INWOOD AVE. S., SAID POINT ALSO BEING THE POINT-OF-BEGINNING OF PROPOSED ACCESS/UTILITY EASEMENT;

THENCE LEAVING SAID WESTERLY RIGHT-OF-WAY LINE, NORTH 87°51'46" WEST, A DISTANCE OF 55.53 FEET TO THE **POINT-OF-BEGINNING;**

THENCE SOUTH 02°08'14" WEST, A DISTANCE OF 71.82 FEET (L9);

dish wireless

PBM Wireless Services *Think outside the triangle.*

A	04/08/22	50% INT. REVIEW	KS
B	04/29/22	90% INT. REVIEW	KS
C	05/03/22	90% REVIEW	KS
D	09/12/22	RELOCATE LEASE AREA	KS

MNMSP00478A

OD AVE. S (NOT E-911 ADDRESS)
, MN 55016 - WASHINGTON COUNTY
XISITNG WATER TANK

DWG BY: KS

CHKD BY: WCB

EXHIBIT B

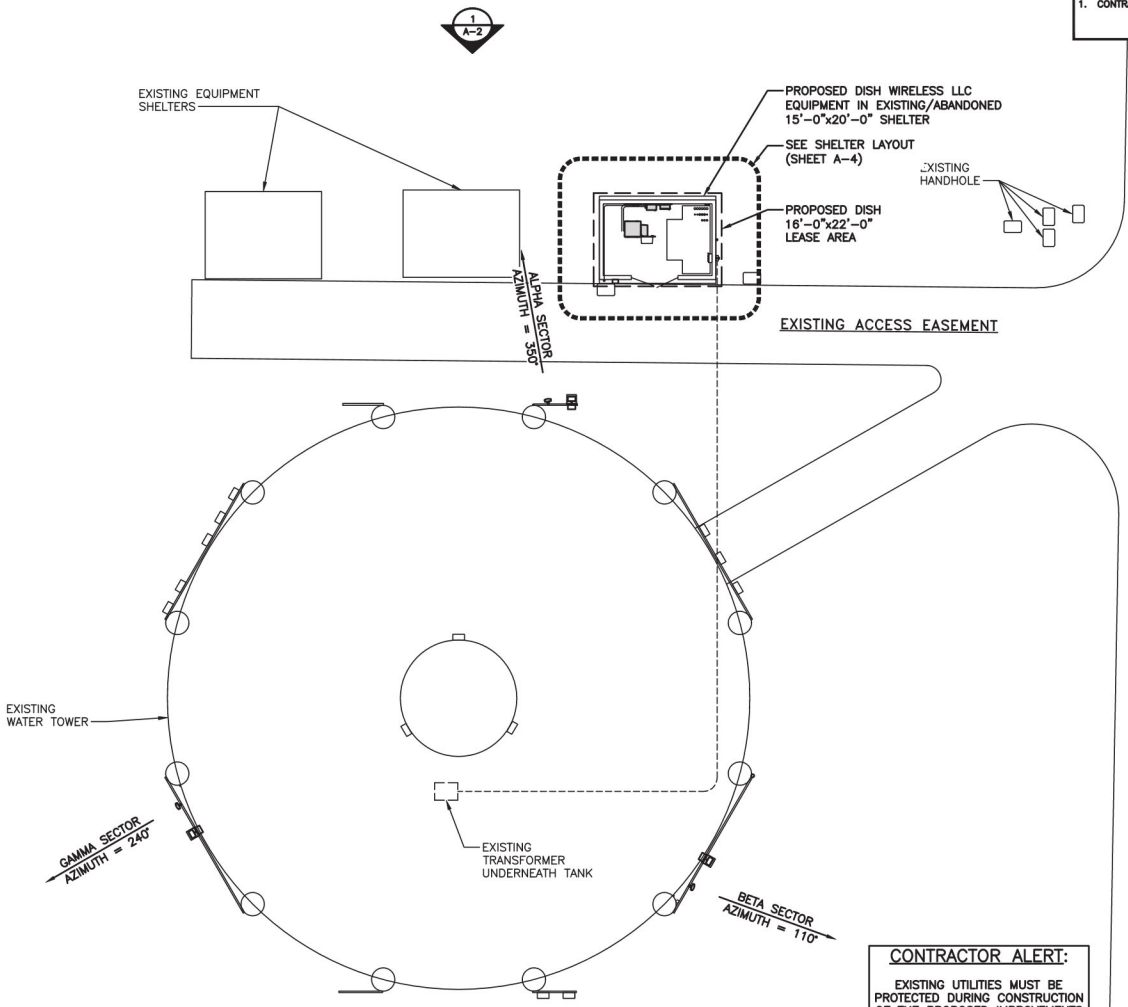
Site Layout and Antenna Facilities

(See attached construction drawings)

DocuSign Envelope ID: 821305C8-C04E-4118-BBBB-B9EFBDCAB219

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.



CONTRACTOR ALERT:

EXISTING UTILITIES MUST BE PROTECTED DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS

TENANT/CONTRACTOR NEEDS TO VERIFY WITH THE CITY THAT THE PROPOSED ANTENNAS AND EQUIPMENT ARE WITHIN THE LEASE SPACE ON THE WATER TOWER AND QUANTITIES AS SPECIFIED ARE IN THE LEASE DOCUMENTS

OVERALL SITE PLAN

12" 6" 0 1' 2' 3' 4' 5' 6' 7'
3/8"=1'-0"

1

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

SSC
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DocuSigned by:
Kevin VanMaele
01DB822918EA469...
Signature
Kevin VanMaele, P.E.
Printed/Typed Name
10/12/2022
Date
50153
Reg. NO.
Discipline covered by this certification: CIVIL

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
HRL	HEE	JJS

RFDS REV #: 2

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	10/05/2021	ISSUED FOR REVIEW
B	10/14/2021	REISSUED FOR REVIEW
C	01/28/2022	REISSUED FOR REVIEW
0	05/19/2022	INCORPORATED CITY COMMENTS
1	07/27/2022	REVISED PER CLIENT COMMENTS
2	10/11/2022	UPDATED LEASE AREA

A&E PROJECT NUMBER
MNMSP00478A

DISH WIRELESS PROJECT INFORMATION
MNMSP00478A
6700 INWOOD AVENUE SOUTH
COTTAGE GROVE, MN 55016

SHEET TITLE
OVERALL SITE PLAN AND SHELTER LAYOUT

SHEET NUMBER
A-1

DocuSign Envelope ID: 821305C8-C04E-4118-BBBB-B9EFBDCAB219

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. ANTENNA SPECIFICATIONS REFER TO ANTENNA SCHEDULE AND TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS
3. EXISTING EQUIPMENT AND FENCE OMITTED FOR CLARITY.

TENANT/CONTRACTOR NEEDS TO VERIFY WITH THE CITY THAT THE PROPOSED ANTENNAS AND EQUIPMENT ARE WITHIN THE LEASE SPACE ON THE WATER TOWER AND QUANTITIES AS SPECIFIED ARE IN THE LEASE DOCUMENTS

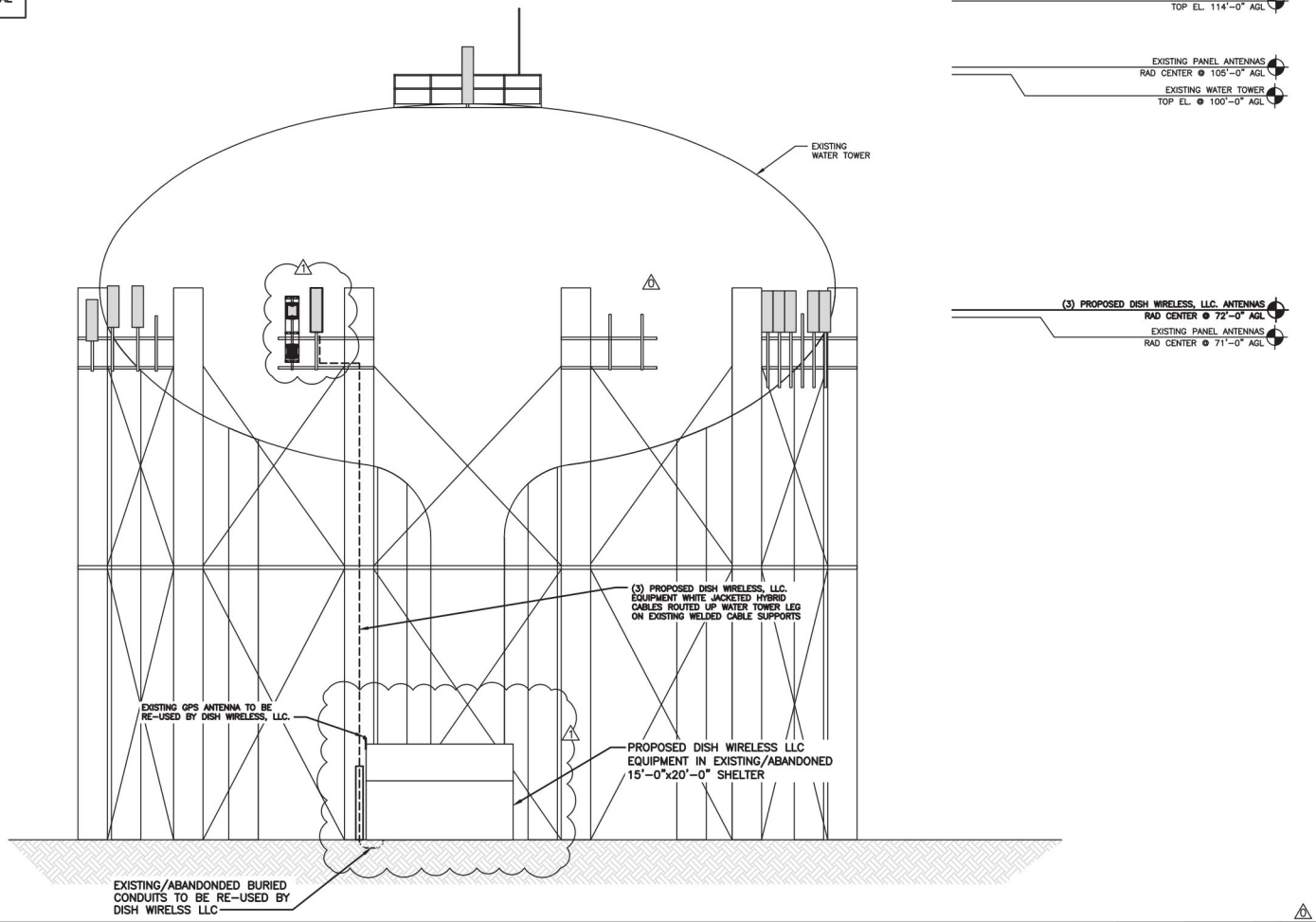
STRUCTURE INFORMATION IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. STRUCTURAL INTEGRITY OF SUPPORTING STRUCTURE, ANTENNA MOUNTS, AND FOUNDATION SHALL BE VERIFIED AS ACCEPTABLE BY ENGINEER CERTIFIED STRUCTURAL ANALYSIS, UTILIZING THE LOADING REPRESENTED WITHIN THESE DRAWINGS PRIOR TO THE EXECUTION OF EQUIPMENT CHANGES CONTAINED IN THESE DRAWINGS. CONTRACTOR SHALL OBTAIN ALL STRUCTURAL REPORTS AND FOLLOW ALL RECOMMENDATIONS.

REPORT NOTE:

STRUCTURAL REPORT BY SSC INC., REPORT # MNMSP00478A REV-2. DATED 07/25/2022.

CONTRACTOR ALERT:

EXISTING UTILITIES MUST BE PROTECTED DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS



PROPOSED NORTH ELEVATION

8' 4' 0 8' 16'
1/8"=1'-0"

1

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

SSC
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DocuSigned by:
Kevin VanMaele
01DD822918EA469...
Signature

Kevin VanMaele, P.E.
Type or Printed Name
10/12/2022
Date
50153
Reg. NO.
Discipline covered by this certification: CIVIL

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
HRL	HEE	JJS

RFDS REV #: 2

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	10/05/2021	ISSUED FOR REVIEW
B	10/14/2021	REISSUED FOR REVIEW
C	01/28/2022	REISSUED FOR REVIEW
0	05/19/2022	INCORPORATED CITY COMMENTS
1	07/27/2022	REVISED PER CLIENT COMMENTS
2	10/11/2022	UPDATED LEASE AREA

A&E PROJECT NUMBER
MNMSP00478A

DISH WIRELESS PROJECT INFORMATION
MNMSP00478A
6700 INWOOD AVENUE SOUTH
COTTAGE GROVE, MN 55016

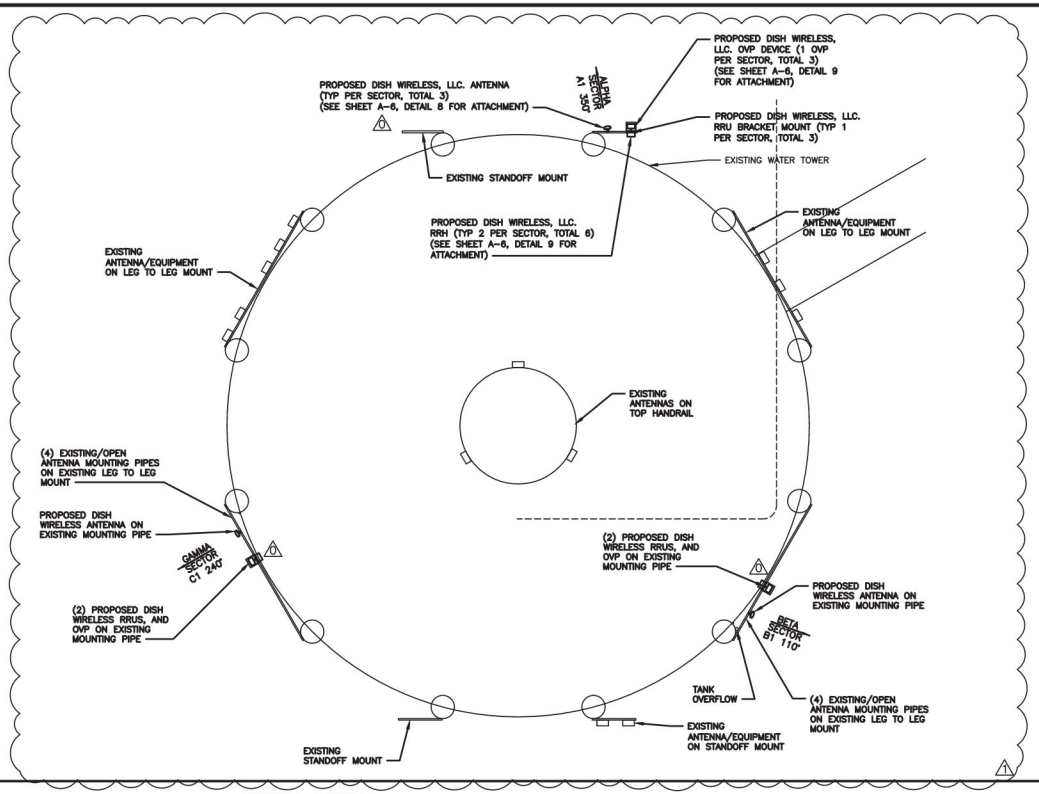
SHEET TITLE
NORTH ELEVATION

SHEET NUMBER
A-2

DocuSign Envelope ID: 821305C8-C04E-4118-BBBB-B9EFBDCAB219

ALL ANTENNAS AND MOUNTING HARDWARE TO BE PAINTED TO MATCH TANK, SEE SSP SHEET

ALL EXISTING SPRINT APPURTENANCES TO BE REMOVED



ANTENNA LAYOUT

12' 8' 4' 0 10' 20'
3/32"=1'-0"

1

SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	COMMSCOPE FFVV-65B-R2	5G	72.0"x19.6"	350°	72'-0"	HIGH-CAPACITY HYBRID CABLE (175'-0" LONG)
BETA	B1	PROPOSED	COMMSCOPE FFVV-65B-R2	5G	72.0"x19.6"	110°	72'-0"	HIGH-CAPACITY HYBRID CABLE (300'-0" LONG)
GAMMA	C1	PROPOSED	COMMSCOPE FFVV-65B-R2	5G	72.0"x19.6"	240°	72'-0"	HIGH-CAPACITY HYBRID CABLE (225'-0" LONG)

SECTOR	POSITION	RRH	
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY
ALPHA	A1	FUJITSU – TA08025-B604	5G
	A1	FUJITSU – TA08025-B605	5G
BETA	B1	FUJITSU – TA08025-B604	5G
	B1	FUJITSU – TA08025-B605	5G
GAMMA	C1	FUJITSU – TA08025-B604	5G
	C1	FUJITSU – TA08025-B605	5G

NOTES

1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

ANTENNA SCHEDULE

NO SCALE

2

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

SSC
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DocuSigned by:
Kevin VanMaele
01DB822918EA469...
Signature
Kevin VanMaele, P.E.
Type Name
10/12/2022
Date
50153
Reg. NO.
Discipline covered by this certification: CIVIL

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
HRL	HEE	JJS

RFDS REV #: 2

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	10/05/2021	ISSUED FOR REVIEW
B	10/14/2021	REISSUED FOR REVIEW
C	01/28/2022	REISSUED FOR REVIEW
0	05/19/2022	INCORPORATED CITY COMMENTS
1	07/27/2022	REVISED PER CLIENT COMMENTS
2	10/11/2022	UPDATED LEASE AREA

A&E PROJECT NUMBER
MNMSP00478A

DISH WIRELESS PROJECT INFORMATION
MNMSP00478A
6700 INWOOD AVENUE SOUTH
COTTAGE GROVE, MN 55016

SHEET TITLE
ANTENNA LAYOUT AND SCHEDULE

SHEET NUMBER
A-3

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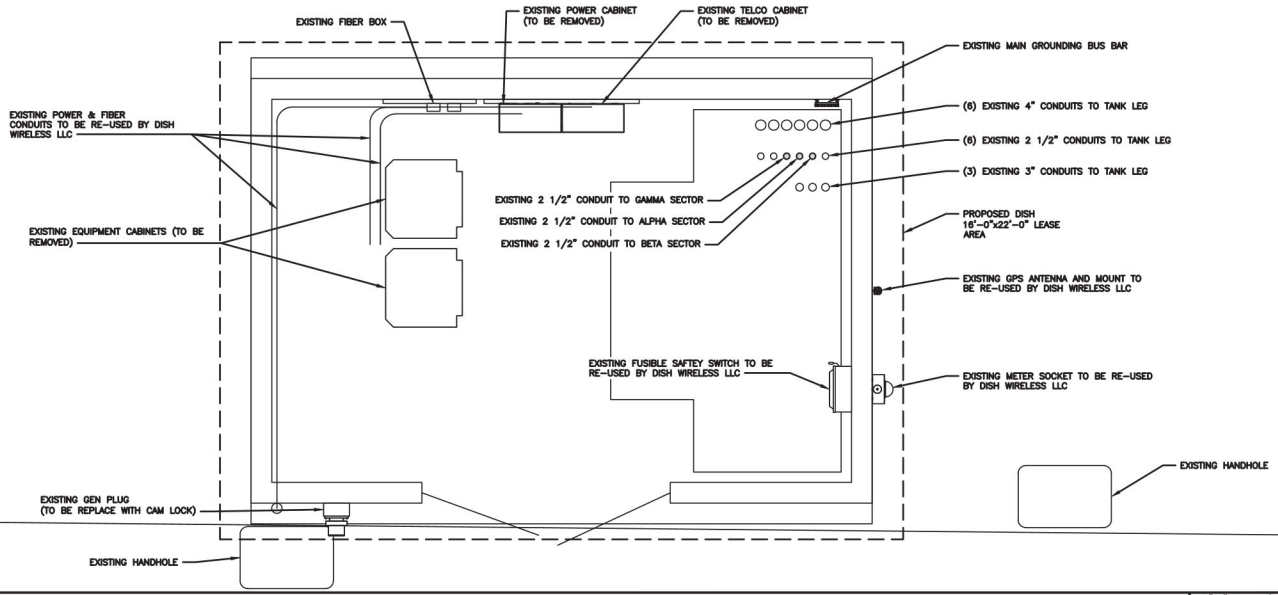
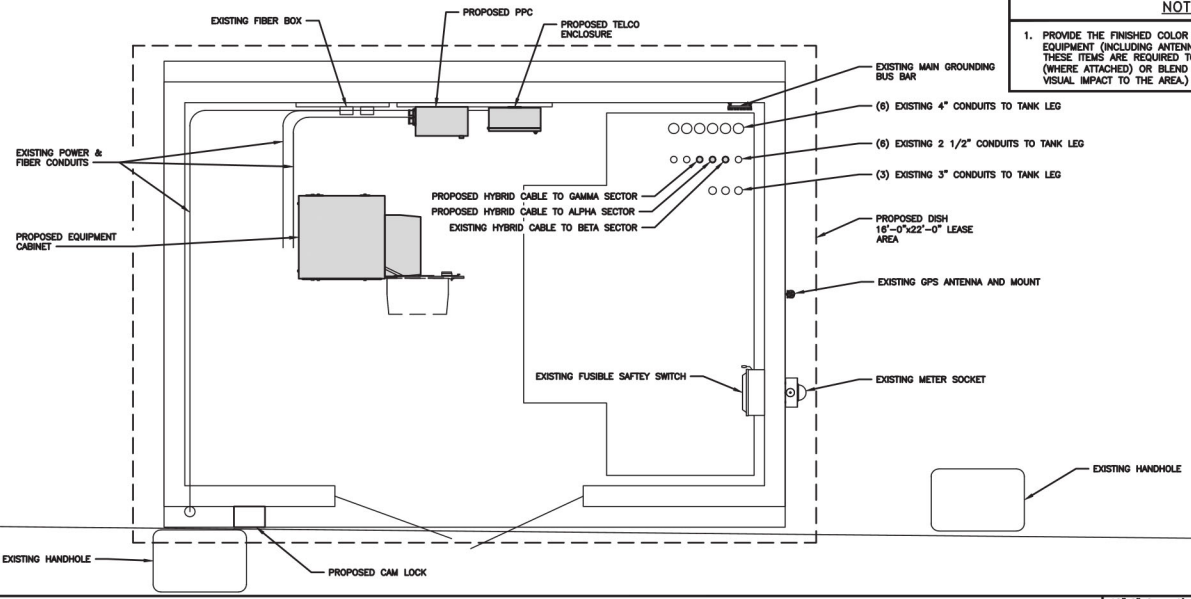


EXISTING SHELTER LAYOUT

12" 6" 0 1' 2' 3' 4' 5'
1/2"=1'-0"

1



PROPOSED SHELTER LAYOUT

12" 6" 0 1' 2' 3' 4' 5'
1/2"=1'-0"

2

NOTES

1. PROVIDE THE FINISHED COLOR AND MATERIAL ON ALL NEW EQUIPMENT (INCLUDING ANTENNAS, CABINETS, ETC. COLORS OF THESE ITEMS ARE REQUIRED TO MATCH THE EXISTING TOWER (WHERE ATTACHED) OR BLEND INTO SURROUNDINGS TO LESSEN VISUAL IMPACT TO THE AREA.)

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

SSC
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212

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DocuSigned by:
Kevin VanMaele
01DD822918EA469...
Signature

Kevin VanMaele, P.E.
Type or Printed Name

10/12/2022
Date

50153
Reg. NO.

Discipline covered by this certification: CIVIL

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DRAWN BY:	CHECKED BY:	APPROVED BY:
HRL	HEE	JJS

RFDS REV #: 2

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	10/05/2021	ISSUED FOR REVIEW
B	10/14/2021	REISSUED FOR REVIEW
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0	05/19/2022	INCORPORATED CITY COMMENTS
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2	10/11/2022	UPDATED LEASE AREA

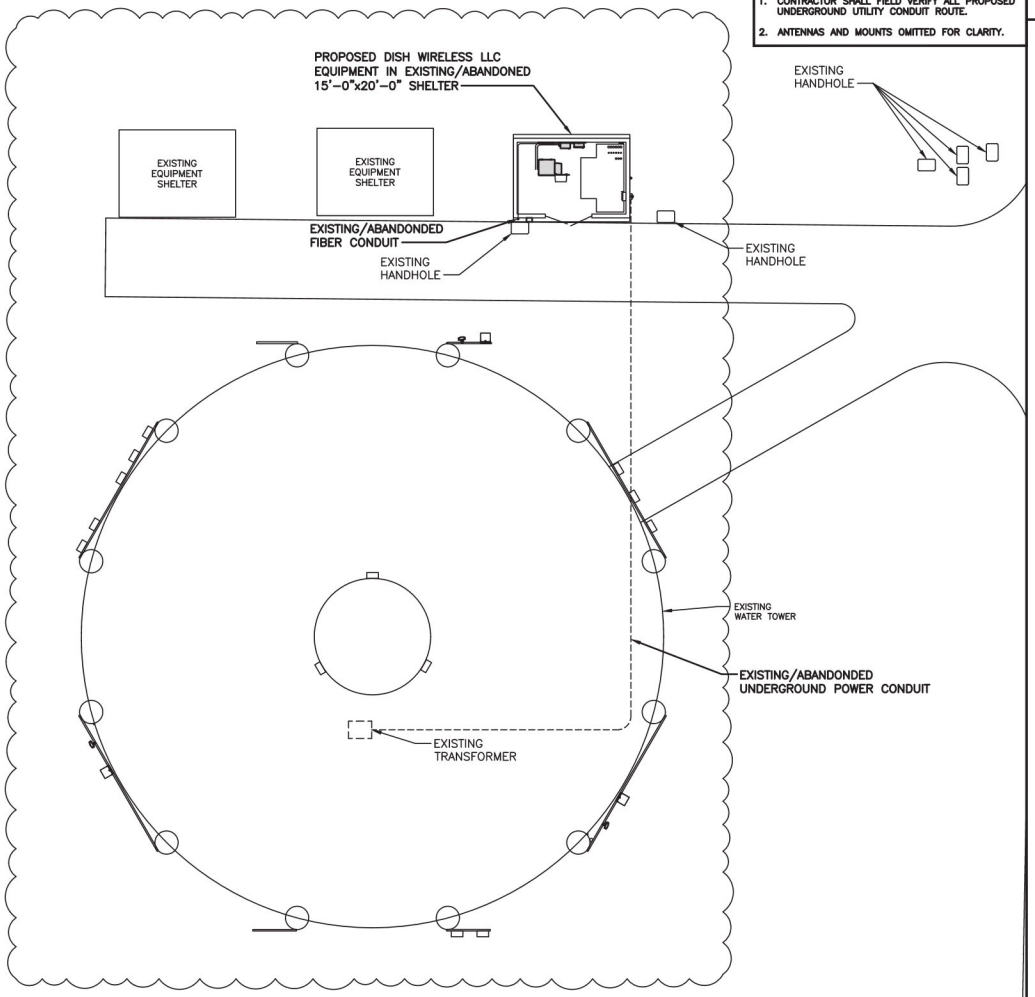
A&E PROJECT NUMBER
MNMSP00478A

DISH WIRELESS PROJECT INFORMATION
MNMSP00478A
6700 INWOOD AVENUE SOUTH
COTTAGE GROVE, MN 55016

SHEET TITLE
EQUIPMENT SHELTER LAYOUT

SHEET NUMBER
A-4

DocuSign Envelope ID: 821305C8-C04E-4118-BBBB-B9EFBDCAB219



NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED UNDERGROUND UTILITY CONDUIT ROUTE.
2. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.

DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V AND −48V CONDUCTORS. RED MARKINGS SHALL IDENTIFY +24V AND BLUE MARKINGS SHALL IDENTIFY −48V.

1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
2. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
4. CONDUIT ROUGH-IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND EQUIPMENT CABINETS.
10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.

UTILITY ROUTE PLAN

12" 6" 0 1' 2' 3' 4' 5' 6' 7'
3/8"=1'-0"

1

ELECTRICAL NOTES

NO SCALE

2

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

SSC
7171 WEST 95TH STREET, SUITE 600
OVERLAND PARK, KANSAS 66212

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DocuSigned by:
Signature
EF94D8A5B80B407...
Shelton D. Keisling, P.E.
Type or Printed Name
10/12/2022
Date
47757
Reg. NO.
Discipline covered by this certification: ELECTRICAL

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DRAWN BY:	CHECKED BY:	APPROVED BY:
HRL	HEE	JJS

RFDS REV #: 2

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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A&E PROJECT NUMBER
MNMSP00478A

DISH WIRELESS PROJECT INFORMATION
MNMSP00478A
6700 INWOOD AVENUE SOUTH
COTTAGE GROVE, MN 55016

SHEET TITLE
ELECTRICAL/FIBER ROUTE PLAN AND NOTES

SHEET NUMBER
E-1

City Council Action Request

7K

Meeting Date	11/2/2022
Department	Public Works
Agenda Category	Consent Agenda
Title	South District Sanitary Sewer Extension Phase 1 - Final Payment
Staff Recommendation	Approve resolution number 2022-147 for final payment to Geislinger and Sons in the amount of $126,900.53 for the South District Sanitary Sewer Extension Phase 1 Project.
Budget Implication	Final payment of $126,900.53.
Attachments	Memo - South District Final Payment.tif 23.67MB Final Payment Sewer Extension -Geislinger & Sons.tif 429.52KB

BOLTON & MENK
Real People. Real Solutions.

3507 High Point Dr. N
Bldg. 1 Suite E130
Oakdale, MN 55128

Ph: [651] 704-9970
Fax: [651] 704-9971
Bolton-Menk.com

October 12, 2022

Ryan Burfeind, PE
City Engineer
City of Cottage Grove
12800 Ravine Parkway South
Cottage Grove, MN 55016

RE: Contractor's Pay Request No. 9 and Final
South District Trunk Sanitary Sewer

Dear Mr. Burfeind:

Attached is the signed copy of the Contractors Pay Request No. 9 and Final for the South District Trunk Sanitary Sewer project. Also included are the IC 134 forms and Lien Waivers as submitted by the Contractor. The Contractor for this project is Geislinger and Sons.

REVIEW OF PROJECT HISTORY

The contractor began this project in September of 2022 and the project was substantially completed in August of 2022. The contractor returned in September of 2022 to complete the remaining punch list work and restoration.

CONSTRUCTION COST OVERVIEW

As indicated on the final request for payment, the original contract amount was $3,558,880.50. A change order was included in the project for $15,312.00, resulting in a final contract amount of $3,574,192.50. The final construction cost as shown is $3,359,489.73, which is $214,702.77, less than the contract amount.

RECOMMENDATION

Geislinger and Sons in accordance with the contract plans and specifications has satisfactorily completed the work. Therefore, it is recommended that final payment of $126,900.53 be made and the City of Cottage Grove accept the project. After acceptance, please distribute all requests for payments as appropriate.

If you have any questions or require further information, please contact me.

Sincerely,
Bolton & Menk, Inc.

Jamie Helling
Construction Project Representative

Date: 9/8/2022

CONTRACTOR'S PAY REQUEST

South District Sanitary Sewer Extension - Phase 1

City of Cottage Grove, MN

BMI Project No. 0N1.122672

Pay Request No. *9 & Final*

For Period Ending: *9/8/2022*

Original Contract Amount	$3,558,880.50
Approved Change Orders	$15,312.00
Revised Contract Amount	$3,574,192.50
Completed Work to Date	$3,359,489.73
Stored Materials on Hand	$0.00
Sub-Total	$3,359,489.73
Retained Percentage 0.0%	$0.00
Deduction	$0.00
Liquidated Damages	$0.00
Total	$3,359,489.73
Total Amount Paid on Previous Estimates	$3,232,589.20
Amount Due Contractor This Pay Request	$126,900.53

Certificate for Final Payment

I hereby certify that, to the best of my knowledge and belief, all items quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between the Owner and the undersigned Contractor, and as amended by any authorized changes, and that the foregoing is a true and correct statement of the amount for the Final Estimate, that the provisions of M. S. 290.92 have been complied with and that all claims against me by reason of the Contract have been paid or satisfactorily secured.

Approved for Payment:

Geislinger & Sons, Inc

511 Central Avenue S, PO Box 437

Watkins, MN 55389-0437

Matt Geislinger 9-15-22

Signature Date

Matt Geislinger Project Manager

Name and Title

Checked and Approved as to Quantities and Amount:

Bolton & Menk, Inc.

3507 High Point Drive North Bldg. 1 Suite E130

Oakdale, MN 55128

10-12-2022

Signature Date

Jamie Helling Construction Project Representative

Name and Title

Approved for Payment:

City of Cottage Grove

Name Title Date

Partial Pay Estimate No.: 9 & Final

SOUTH DISTRICT SANITARY SEWER PROJECT - PHASE I
CITY OF COTTAGE GROVE, MN
BMI PROJECT NO. 0N1.122672
WORK COMPLETED THROUGH September 8, 2022

ITEM NO.	ITEM	UNIT PRICE	AS BID ESTIMATED QUANTITY		AS BID ESTIMATED AMOUNT	PREVIOUS ESTIMATE ESTIMATED QUANTITY		PREVIOUS ESTIMATE ESTIMATED AMOUNT	COMPLETED TO DATE ESTIMATED QUANTITY		COMPLETED TO DATE ESTIMATED AMOUNT
	SOUTH DISTRICT SANITARY SEWER EXTENSION - PHASE 1										
	BASE BID:										
1	MOBILIZATION	$195,000.00	1.00	LS	$195,000.00	0.90	LS	$175,500.00	1.00	LS	$195,000.00
2	TRAFFIC CONTROL	$5,000.00	1.00	LS	$5,000.00	1.00	LS	$5,000.00	1.00	LS	$5,000.00
3	CLEARING & GRUBBING	$15,000.00	1.00	LS	$15,000.00	1.00	LS	$15,000.00	1.00	LS	$15,000.00
4	EROSION CONTROL SUPERVISOR	$5,000.00	1.00	LS	$5,000.00	0.00	LS	$0.00	0.00	LS	$0.00
5	TEMPORARY CONSTRUCTION ENTRANCE (ROCK)	$68.00	120.00	CY	$8,160.00	11.30	CY	$768.40	11.30	CY	$768.40
6	SALVAGE AND REINSTALL CHAIN LINK FENCE (6 FT HEIGHT)	$40.00	400.00	LF	$16,000.00	100.00	LF	$4,000.00	100.00	LF	$4,000.00
7	SALVAGE AND REINSTALL CHAIN LINK FENCE (6 FT HEIGHT) WITH BARBED WIRE SECURITY TOP	$40.00	375.00	LF	$15,000.00	136.00	LF	$5,440.00	170.00	LF	$6,800.00
8	SALVAGE AND REINSTALL WOOD POLE (CENTER PIVOT IRRIGATION STOP POLE)	$500.00	1.00	EA	$500.00	0.00	EA	$0.00	0.00	EA	$0.00
9	TEMPORARY FENCE, ORANGE PLASTIC	$3.00	200.00	LF	$600.00	230.00	LF	$690.00	230.00	LF	$690.00
10	REMOVE 30" RCP SEWER PIPE (SANITARY)	$16.00	24.00	LF	$384.00	12.00	LF	$192.00	12.00	LF	$192.00
11	BULKHEAD ABANDONED SEWER (SANITARY)	$200.00	2.00	EA	$400.00	0.00	EA	$0.00	0.00	EA	$0.00
12	MAINTAIN SITE ACCESS ROAD - 1.5" CRUSHED ROCK	$40.00	360.00	TN	$14,400.00	0.00	TN	$0.00	0.00	TN	$0.00
13	REMOVE SITE ACCESS ROAD 1.5" CRUSHED ROCK (EV)	$32.00	180.00	CY	$5,760.00	0.00	CY	$0.00	0.00	CY	$0.00
14	24 FOOT DOUBLE SWING CHAIN LINK GATE (6 FT HEIGHT)	$3,500.00	1.00	EA	$3,500.00	1.00	EA	$3,500.00	1.00	EA	$3,500.00
15	24 FOOT DOUBLE SWING CHAIN LINK GATE (6 FT HEIGHT) WITH BARBED WIRE SECURITY TOP	$4,000.00	1.00	EA	$4,000.00	0.80	EA	$3,200.00	1.00	EA	$4,000.00
16	30" SANITARY SEWER PIPE	$300.00	150.00	LF	$45,000.00	150.00	LF	$45,000.00	150.00	LF	$45,000.00
17	27" SANITARY SEWER PIPE - 25 FOOT MAX BURY DEPTH	$275.00	1150.00	LF	$316,250.00	1,148.00	LF	$315,700.00	1,148.00	LF	$315,700.00
18	27" SANITARY SEWER PIPE - BURY DEPTH GREATER THAN 25 FEET	$300.00	3140.00	LF	$942,000.00	3,134.00	LF	$940,200.00	3,134.00	LF	$940,200.00
19	24" SANITARY SEWER PIPE - BURY DEPTH GREATER THAN 25 FEET	$300.00	20.00	LF	$6,000.00	0.00	LF	$0.00	0.00	LF	$0.00
20	15" PVC SDR 26 PIPE SEWER (SANITARY) - BURY DEPTH GREATER THAN 25 FEET	$150.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00
21	12" PVC SDR 26 PIPE SEWER (SANITARY) - 25 FOOT MAX BURY DEPTH	$150.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00
22	12" PVC SDR 26 PIPE SEWER (SANITARY) - BURY DEPTH GREATER THAN 25 FEET	$150.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00
23	10" PVC SDR 26 PIPE SEWER (SANITARY) - BURY DEPTH GREATER THAN 25 FEET	$150.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00
24	8" PVC SDR 26 PIPE SEWER (SANITARY) - 25 FOOT MAX BURY DEPTH	$150.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00
25	8" PVC SDR 26 PIPE SEWER (SANITARY) - BURY DEPTH GREATER THAN 25 FEET	$150.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00	20.00	LF	$3,000.00
26	60" SANITARY MANHOLE, PRECAST RC	$750.00	338.00	LF	$253,500.00	338.89	LF	$254,167.50	338.89	LF	$254,167.50
27	72" SANITARY MANHOLE, PRECAST RC	$752.00	24.00	LF	$18,048.00	23.89	LF	$17,965.28	23.89	LF	$17,965.28
28	TELEVISE SANITARY SEWER	$2.00	5260.00	LF	$10,520.00	5,365.56	LF	$10,731.12	5,365.56	LF	$10,731.12
29	SANITARY MANHOLE MARKER SIGN	$75.00	56.00	EA	$4,200.00	56.00	EA	$4,200.00	56.00	EA	$4,200.00
30	EXPLORATORY EXCAVATION	$300.00	15.00	HR	$4,500.00	1.00	HR	$300.00	1.00	HR	$300.00
31	ROCK EXCAVATION (HARD ROCK) (EV)	$25.00	600.00	CY	$15,000.00	757.97	CY	$18,949.25	757.97	CY	$18,949.25
32	ROCK EXCAVATION (SOFT ROCK) (EV)	$0.01	600.00	CY	$6.00	0.00	CY	$0.00	0.00	CY	$0.00
33	CHANNEL CROSSING FLOW DIVERSION	$15,000.00	1.00	LS	$15,000.00	1.00	LS	$15,000.00	1.00	LS	$15,000.00
34	NORTHERN NATURAL GAS MAIN BRIDGING - TIMBER MATTING	$5,000.00	1.00	LS	$5,000.00	1.00	LS	$5,000.00	1.00	LS	$5,000.00
35	SAND CUSHION MATERIAL - ROCK EX AREAS ONLY (CV)	$10.00	1000.00	CY	$10,000.00	600.30	CY	$6,003.00	600.30	CY	$6,003.00
36	GRANULAR BORROW TRENCH BACKFILL ABOVE SAND CUSHION - ROCK EX AREAS ONLY (CV)	$10.00	200.00	CY	$2,000.00	700.00	CY	$7,000.00	700.00	CY	$7,000.00
37	IMPROVED PIPE FOUNDATION, PER 6-INCH LAYER	$12.00	700.00	LF	$8,400.00	0.00	LF	$0.00	0.00	LF	$0.00
38	TRENCH DAM	$2,500.00	2.00	EA	$5,000.00	2.00	EA	$5,000.00	2.00	EA	$5,000.00
39	4" POLYSTYRENE INSULATION	$20.00	300.00	SY	$6,000.00	284.00	SY	$5,680.00	284.00	SY	$5,680.00
40	TUNNELING PITS - GASMAINS CROSSING	$80,000.00	1.00	LS	$80,000.00	1.00	LS	$80,000.00	1.00	LS	$80,000.00
41	27" SANITARY PIPE IN CASING BY PIPE JACKING	$1,600.00	140.00	LF	$224,000.00	140.00	LF	$224,000.00	140.00	LF	$224,000.00
42	30" SANITARY SEWER PIPE WETLAND CROSSING (STA. 0+00 TO 5+00)	$300,000.00	1.00	LS	$300,000.00	1.00	LS	$300,000.00	1.00	LS	$300,000.00
43	TUNNEL OBSTRUCTION	$25,000.00	1.00	ALLOWANCE	$25,000.00	0.00	ALLOWANCE	$0.00	0.00	ALLOWANCE	$0.00
44	UTILITY AND SURFACE SETTLEMENT MONITORING	$3,500.00	1.00	LS	$3,500.00	1.00	LS	$3,500.00	1.00	LS	$3,500.00
45	INTERCEPTOR MH STRUCTURE EXCAVATION, SUPPORT & PROTECTION	$10,000.00	1.00	LS	$10,000.00	1.00	LS	$10,000.00	1.00	LS	$10,000.00
46	INTERCEPTOR CONSOLIDATION GROUTING	$35,000.00	1.00	LS	$35,000.00	1.00	LS	$35,000.00	1.00	LS	$35,000.00
47	SUPPLMENTARY CONSOLIDATION GROUTING	$150.00	100.00	GAL	$15,000.00	0.00	GAL	$0.00	0.00	GAL	$0.00
48	INTERCEPTOR SUPPORT SYSTEM	$35,000.00	1.00	LS	$35,000.00	1.00	LS	$35,000.00	1.00	LS	$35,000.00
49	INTERCEPTOR MANHOLE STRUCTURE AND LINER	$300,000.00	1.00	LS	$300,000.00	0.96	LS	$288,000.00	1.00	LS	$300,000.00
50	SAWING BITUMINOUS TRAIL (FULL DEPTH)	$6.00	20.00	LF	$120.00	20.00	LF	$120.00	20.00	LF	$120.00
51	REMOVE AND REPLACE BITUMINOUS TRAIL	$100.00	90.00	SY	$9,000.00	88.80	SY	$8,880.00	88.80	SY	$8,880.00

Partial Pay Estimate No.: 9 & Final

SOUTH DISTRICT SANITARY SEWER PROJECT - PHASE I
CITY OF COTTAGE GROVE, MN
BMI PROJECT NO. 0N1.122672
WORK COMPLETED THROUGH September 8, 2022

ITEM NO.	ITEM	UNIT PRICE	AS BID			PREVIOUS ESTIMATE			COMPLETED TO DATE		
			ESTIMATED QUANTITY		ESTIMATED AMOUNT	ESTIMATED QUANTITY		ESTIMATED AMOUNT	ESTIMATED QUANTITY		ESTIMATED AMOUNT
52	SILT FENCE TYPE HAND INSTALLED	$3.25	1600.00	LF	$5,200.00	0.00	LF	$0.00	0.00	LF	$0.00
53	SILT FENCE TYPE MACHINE SLICED	$2.50	14000.00	LF	$35,000.00	10,618.00	LF	$26,545.00	10,618.00	LF	$26,545.00
54	STREET SWEEPING (WITH PICKUP BROOM)	$135.00	60.00	HR	$8,100.00	0.00	HR	$0.00	0.00	HR	$0.00
55	SEEDING - MNDOT SEED MIX 25-121, SANDY GENERAL ROADSIDE	$650.00	11.00	ACRE	$7,150.00	3.19	ACRE	$2,073.50	3.83	ACRE	$2,489.50
56	SEEDING - SPECIAL SEED MIX	$310.00	1.00	ACRE	$310.00	0.70	ACRE	$215.45	1.39	ACRE	$430.90
57	WETLAND REHABILITATION MNDOT SEED MIX 34-171	$950.00	4.00	ACRE	$3,800.00	0.50	ACRE	$475.00	0.50	ACRE	$475.00
58	TEMPORARY SEEDING, MNDOT SEED MIX 21-111, OATS OR 21-112, WINTER WHEAT	$200.00	8.00	ACRE	$1,600.00	0.00	ACRE	$0.00	0.00	ACRE	$0.00
59	TEMPORARY HYDRAULIC EROSION CONTROL, TYPE BFM	$2,800.00	6.00	ACRE	$16,800.00	0.00	ACRE	$0.00	0.00	ACRE	$0.00
60	TEMPORARY HYDRAULIC EROSION CONTROL, TYPE MULCH	$1,000.00	2.00	ACRE	$2,000.00	0.00	ACRE	$0.00	0.00	ACRE	$0.00
61	EROSION CONTROL BLANKET CATEGORY 3N	$1.30	5000.00	SY	$6,500.00	3,633.00	SY	$4,722.90	4,798.00	SY	$6,237.40
62	MULCH TYPE 1 - DISC ANCHORED	$675.00	11.00	ACRE	$7,425.00	3.44	ACRE	$2,322.00	4.24	ACRE	$2,862.00
63	SILT CURTAIN TYPE - MOVING WATER	$20.00	300.00	LF	$6,000.00	0.00	LF	$0.00	0.00	LF	$0.00
64	SEDIMENT CONTROL LOG TYPE - WOOD FIBER	$3.10	325.00	LF	$1,007.50	365.00	LF	$1,131.50	365.00	LF	$1,131.50
65	SOIL TILLING (AGRICULTURAL AREAS)	$200.00	23.00	ACRE	$4,600.00	0.00	ACRE	$0.00	0.00	ACRE	$0.00
66	STRIP, STOCKPILE AND RESPREAD TOPSOIL	$500.00	20.00	ACRE	$10,000.00	18.60	ACRE	$9,300.00	18.60	ACRE	$9,300.00
	TOTAL BASE BID:				**$3,125,240.50**			**$2,913,471.90**			**$2,949,817.85**
	ALTERNATE 1 - ADD SPRAY ON LINER TO RC MANHOLES										
67	ADD SANITARY MANHOLE SPRAY LINER (48"), ADDITIONAL COST	$203.00	35.00	LF	$7,105.00	35.01	LF	$7,107.03	35.01	LF	$7,107.03
68	ADD SANITARY MANHOLE SPRAY LINER (60"), ADDITIONAL COST	$255.00	338.00	LF	$86,190.00	338.89	LF	$86,416.95	338.89	LF	$86,416.95
69	ADD SANITARY MANHOLE SPRAY LINER (72"), ADDITIONAL COST	$305.00	24.00	LF	$7,320.00	23.89	LF	$7,286.45	23.89	LF	$7,286.45
	TOTAL ALTERNATE 1:				**$100,615.00**			**$100,810.43**			**$100,810.43**
	ALTERNATE 3 - IDEAL AVENUE CROSSING										
70	SALVAGE AND REINSTALL WOOD POST/PLASTIC RAIL FENCE	$21.00	250.00	LF	$5,250.00	295.00	LF	$6,195.00	295.00	LF	$6,195.00
71	SILT FENCE TYPE MACHINE SLICED	$3.00	850.00	LF	$2,550.00	0.00	LF	$0.00	0.00	LF	$0.00
72	TEMPORARY BARBED WIRE FENCE WITH STEEL POSTS, INCLUDES REMOVAL	$15.00	450.00	LF	$6,750.00	0.00	LF	$0.00	0.00	LF	$0.00
73	TEMPORARY CONSTRUCTION ENTRANCE (ROCK)	$85.00	30.00	CY	$2,550.00	0.00	CY	$0.00	0.00	CY	$0.00
74	48" SANITARY MANHOLE, PRECAST RC	$745.00	35.00	LF	$26,075.00	35.01	LF	$26,082.45	35.01	LF	$26,082.45
75	SANITARY MANHOLE MARKER SIGN	$75.00	4.00	EA	$300.00	4.00	EA	$300.00	4.00	EA	$300.00
76	27" SANITARY SEWER PIPE - BURY DEPTH GREATER THAN 25 FEET	$500.00	50.00	LF	$25,000.00	50.00	LF	$25,000.00	50.00	LF	$25,000.00
77	24" SANITARY SEWER PIPE	$500.00	50.00	LF	$25,000.00	48.00	LF	$24,000.00	48.00	LF	$24,000.00
78	24" SANITARY PIPE IN CASING BY PIPE JACKING	$1,100.00	118.00	LF	$129,800.00	118.00	LF	$129,800.00	118.00	LF	$129,800.00
79	TUNNEL OBSTRUCTION	$25,000.00	1.00	ALLOWANCE	$25,000.00	0.00	ALLOWANCE	$0.00	0.00	ALLOWANCE	$0.00
80	UTILITY AND SURFACE SETTLEMENT MONITORING	$2,500.00	1.00	LS	$2,500.00	1.00	LS	$2,500.00	1.00	LS	$2,500.00
81	TUNNELING PITS	$80,000.00	1.00	LS	$80,000.00	1.00	LS	$80,000.00	1.00	LS	$80,000.00
82	MNDOT SEED MIXTURE 25-142, AGRICULTURAL ROADSIDE	$550.00	1.00	ACRE	$550.00	0.00	ACRE	$0.00	0.00	ACRE	$0.00
83	MULCH TYPE 1 - DISC ANCHORED	$1,100.00	1.00	ACRE	$1,100.00	0.00	ACRE	$0.00	0.00	ACRE	$0.00
84	STRIP, STOCKPILE AND RESPREAD TOPSOIL	$600.00	1.00	ACRE	$600.00	1.00	ACRE	$600.00	1.00	ACRE	$600.00
	TOTAL ALTERNATE 3:				**$333,025.00**			**$294,477.45**			**$294,477.45**
	TOTAL BASE BID + ALTERNATES 1 & 3:				**$3,558,880.50**			**$3,308,759.78**			**$3,345,105.73**
	CHANGE ORDER 1										
85	ANODE BAGS	$464.00	33.00	EA	$15,312.00	31.00	EA	$14,384.00	31.00	EA	$14,384.00
	TOTAL CHANGE ORDER 1				**$15,312.00**			**$14,384.00**			**$14,384.00**
	TOTAL BASE BID + ALTERNATES + CHANGE ORDER:				**$3,574,192.50**			**$3,323,143.78**			**$3,359,489.73**

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Consent Of Surety to Final Payment

Bond No. 800095190

PROJECT: *(Name and address)*
South District Sanitary Sewer Project - Phase 1

ARCHITECT'S PROJECT NUMBER:

CONTRACT FOR: Construction

CONTRACT DATED: June 16, 2021

OWNER: ☒
ARCHITECT: ☒
CONTRACTOR: ☒
SURETY: ☒
OTHER: ☒

TO OWNER: *(Name and address)*
City of Cottage Grove
12800 Ravine Parkway South
Cottage Grove, MN 55016

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the
(Insert name and address of Surety)

Atlantic Specialty Insurance Company
605 Highway 169 North, Suite 800
Plymouth, MN 55441

, SURETY,

on bond of
(Insert name and address of Contractor)

Geislinger & Sons, Inc.
511 Central Avenue South, PO Box 437
Watkins, MN 55389-0437

, CONTRACTOR,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the Surety of any of its obligations to
(Insert name and address of Owner)

City of Cottage Grove
12800 Ravine Parkway South
Cottage Grove, MN 55016

, OWNER,

as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date: September 15, 2022
(Insert in writing the month followed by the numeric date and year.)

Atlantic Specialty Insurance Company
(Surety)

(Signature of authorized representative)

Attest:
(Seal):

Joshua R. Loftis, Attorney-in-Fact
(Printed name and title)

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intact INSURANCE

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Melinda C. Blodgett, R.C. Bowman, R. W. Frank, Ted Jorgensen, Joshua R. Loftis, Brian J. Oestreich, Rachel Thomas, C. White, Emily White, Nathan Weaver, Nicole Stillings**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this twenty-seventh day of April, 2020.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Paul J. Brehm, Senior Vice President

STATE OF MINNESOTA
HENNEPIN COUNTY

On this twenty-seventh day of April, 2020, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.

ALISON DWAN NASH-TROUT
NOTARY PUBLIC - MINNESOTA
My Commission Expires
January 31, 2025

_____
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 15th day of September, 2022.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

This Power of Attorney expires
January 31, 2025

_____
Kara Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-676-459-424
Submitted Date and Time:	20-Sep-2022 2:10:13 PM
Legal Name:	GEISLINGER AND SONS
Federal Employer ID:	26-0591820
User Who Submitted:	geislinger
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**1334153216**
Minnesota ID:	9061277
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1.122672
Project Begin Date:	01-Jul-2021
Project End Date:	01-Sep-2022
Project Location:	COTTAGE GROVE, MN
Project Amount:	$3,359,489.73

Subcontractor Summary

Name	ID	Affidavit Number
WENNER HOLDINGS LLC	9957283	1199935488
RICE LAKE CONTRACTING CORP	3211358	2066059264
TREE TOP CLEARING INC	5182073	186552320
INNOVATIVE HIGH PERFORMANCE COATINGS LLC	7577803	171544576
SAFETY SIGNS	5139558	153194496
MIDWEST BORINGS INC	5338735	1815187456
J & R GROUNDS MAINTENANCE	5930620	1960742912
AMERICAN FENCE COMPANY OF MINNESOTA LLC	2790379	780242944

Important Messages

A copy of this page must be provided to the contractor or government agency that hired you.

Contact Us

If you need further assistance, contact our Withholding Tax Division at 651-282-9999, (toll-free) 800-657-3594, or (email) withholding.tax@state.mn.us. Business hours are 8:00 a.m. - 4:30 p.m. Monday - Friday.

Please print this page for your records using the print or save functionality built into your browser.

DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	1-492-202-400
Submitted Date and Time:	19-Sep-2022 11:52:21 AM
Legal Name:	J & R LARSON GROUNDS MAINTENANCE LL
Federal Employer ID:	04-3648185
User Who Submitted:	JRLGROUNDS
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**1960742912**
Minnesota ID:	5930620
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1-122672
Project Begin Date:	15-Sep-2021
Project End Date:	03-Aug-2022
Project Location:	COTTAGE GROVE
Project Amount:	$42,483.67
Subcontractors:	No Subcontractors

Important Messages

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DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-460-174-240
Submitted Date and Time:	15-Sep-2022 1:35:44 PM
Legal Name:	WENNER HOLDINGS LLC
Federal Employer ID:	26-4635343
User Who Submitted:	Empire
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**1199935488**
Minnesota ID:	9957283
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1.122672
Project Begin Date:	05-May-2022
Project End Date:	05-Aug-2022
Project Location:	COTTAGE GROVE
Project Amount:	$6,957.50
Subcontractors:	No Subcontractors

Important Messages

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DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-523-477-920
Submitted Date and Time:	31-Aug-2022 8:57:33 AM
Legal Name:	RICE LAKE CONTRACTING CORP
Federal Employer ID:	41-1505802
User Who Submitted:	ricelakecon
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**2066059264**
Minnesota ID:	3211358
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	2129 (ON1.122672)
Project Begin Date:	25-Oct-2021
Project End Date:	09-Dec-2021
Project Location:	COTTAGE GROVE
Project Amount:	$114,500.00
Subcontractors:	No Subcontractors

Important Messages

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Contact Us

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Please print this page for your records using the print or save functionality built into your browser.

Megan Geislinger

From: paul@treetopclearing.com
Sent: Monday, August 29, 2022 9:13 AM
To: Megan Geislinger; Megan Geislinger
Subject: FW: Your Recent Contractor Affidavit Request

Cottage Grove

Thank you,
Kate Bauernschmitt
Office Manager

TREE TOP SERVICES, INC.
DELANO
763 972-3988

From: MN Revenue e-Services <eservices.mdor@state.mn.us>
Sent: Monday, August 29, 2022 9:12 AM
To: paul@treetopclearing.com
Subject: Your Recent Contractor Affidavit Request

This email is an automated notification and is unable to receive replies.

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-320-152-480
Submitted Date and Time:	29-Aug-2022 9:11:45 AM
Legal Name:	TREE TOP CLEARING INC
Federal Employer ID:	41-1994761
User Who Submitted:	TreeTop98
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**186552320**
Minnesota ID:	5182073
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1.122672
Project Begin Date:	07-Jun-2021
Project End Date:	01-Dec-2021
Project Location:	COTTAGE GROVE, MN
Project Amount:	$22,480.00
Subcontractors:	No Subcontractors

Important Messages

Matt Geislinger

From: Jessica Johnson <jjohnson@myteaminnovative.com>
Sent: Thursday, August 25, 2022 3:39 PM
To: Matt Geislinger
Subject: Fwd: Your Recent Contractor Affidavit Request

---------- Forwarded message ---------
From: **MN Revenue e-Services** <eservices.mdor@state.mn.us>
Date: Thu, Aug 25, 2022 at 3:38 PM
Subject: Your Recent Contractor Affidavit Request
To: <jjohnson@myteaminnovative.com>

This email is an automated notification and is unable to receive replies.

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	1-112-548-256
Submitted Date and Time:	25-Aug-2022 3:38:08 PM
Legal Name:	INNOVATIVE HIGH PERFORMANCE COATINGS LLC
Federal Employer ID:	85-4358528
User Who Submitted:	JJohnson2211
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**171544576**
Minnesota ID:	7577803
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1.122672
Project Begin Date:	24-Jan-2022
Project End Date:	03-Feb-2022
Project Location:	COTTAGE GROVE, MN
Project Amount:	$117,271.70
Subcontractors:	No Subcontractors

Important Messages

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Contact Us

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How to View and Print this Request

You can see copies of your requests by going into your History.

DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-523-477-920
Submitted Date and Time:	31-Aug-2022 8:57:33 AM
Legal Name:	RICE LAKE CONTRACTING CORP
Federal Employer ID:	41-1505802
User Who Submitted:	ricelakecon
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**2066059264**
Minnesota ID:	3211358
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	2129 (ON1.122672)
Project Begin Date:	25-Oct-2021
Project End Date:	09-Dec-2021
Project Location:	COTTAGE GROVE
Project Amount:	$114,500.00
Subcontractors:	No Subcontractors

Important Messages

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Contact Us

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DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	0-914-973-600
Submitted Date and Time:	2-Sep-2022 10:35:16 AM
Legal Name:	SAFETY SIGNS LLC
Federal Employer ID:	41-1991774
User Who Submitted:	beth novak
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**153194496**
Minnesota ID:	5139558
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1.122672
Project Begin Date:	20-Oct-2021
Project End Date:	31-Mar-2022
Project Location:	COTTAGE GROVE SOUTH DISTRIC SANITARY SEWER PROJECT - PHASE 1, COTTAGE GROVE, MN
Project Amount:	$1,350.00
Subcontractors:	No Subcontractors

Important Messages

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Contact Us

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DEPARTMENT OF REVENUE

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	1-814-934-432
Submitted Date and Time:	15-Sep-2022 12:00:30 PM
Legal Name:	MIDWEST BORINGS INC
Federal Employer ID:	41-2002777
User Who Submitted:	MidwestBorings
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**1815187456**
Minnesota ID:	5338735
Project Owner:	CITY OF COTTAGE GROVE
Project Number:	ON1.122672
Project Begin Date:	01-Oct-2021
Project End Date:	28-Jul-2022
Project Location:	COTTAGE GROVE
Project Amount:	$197,469.81
Subcontractors:	No Subcontractors

Important Messages

A copy of this page must be provided to the contractor or government agency that hired you.

Contact Us

If you need further assistance, contact our Withholding Tax Division at 651-282-9999, (toll-free) 800-657-3594, or (email) withholding.tax@state.mn.us. Business hours are 8:00 a.m. - 4:30 p.m. Monday - Friday.

Please print this page for your records using the print or save functionality built into your browser.

Matt Geislinger

From: Leah Carlson <l.carlson@americafence.com>
Sent: Friday, September 16, 2022 10:08 AM
To: Matt Geislinger
Subject: Your Recent Contractor Affidavit Request

This email is an automated notification and is unable to receive replies.

Contractor Affidavit Submitted

Thank you, your Contractor Affidavit has been approved.

Confirmation Summary

Confirmation Number:	1-568-101-280
Submitted Date and Time:	16-Sep-2022 10:06:54 AM
Legal Name:	AMERICAN FENCE COMPANY OF MINNESOTA, LLC
Federal Employer ID:	46-1046674
User Who Submitted:	l.carlson
Type of Request Submitted:	Contractor Affidavit

Affidavit Summary

Affidavit Number:	**780242944**
Minnesota ID:	2790379
Project Owner:	CITY OF COTTAGE GRPVE
Project Number:	229-21
Project Begin Date:	24-Sep-2021
Project End Date:	08-Apr-2022
Project Location:	COTTAGE GROVE, MN
Project Amount:	$33,820.00
Subcontractors:	No Subcontractors

Important Messages

A copy of this page must be provided to the contractor or government agency that hired you.

Contact Us

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How to View and Print this Request

You can see copies of your requests by going into your History.

This message and any attachments are solely for the intended recipient and may contain nonpublic / private data. If you are not the intended recipient, any disclosure, copying, use, or distribution of the information included in this message and any attachments is prohibited. If you have received this communication in error, please notify us and immediately and permanently delete this message and any attachments. Thank you.

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

RECEIPT AND WAIVER OF MECHANIC'S LIEN RIGHTS

1. This is a **LEGAL DOCUMENT** and must be executed accordingly by officers of corporations and by partners in co-partnerships.

2. It is important that **ALL** the blanks be completed, and the **AMOUNT PAID BE SHOWN.**

3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 09.15.2022

The undersigned hereby acknowledges receipt of the sum of $ ~~39,912.07~~ $ 42,483.67

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.

2. ☑ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 1,480.35 + $2,571.60 to be paid with final pay app

3. ☐ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

J & R Larson Grounds Maintenance

Signature

President

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 09.15.2022

The undersigned hereby acknowledges receipt of the sum of $ 6,957.50

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.
2. ☐ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 0.00
3. ☒ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Empire Pipe Service

Signature

President

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 22,480.00

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.
2. ☒ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 0.00
3. ☐ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Tree Top Clearing, Inc.

Signature

Office Manager

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

RECEIPT AND WAIVER OF MECHANIC'S LIEN RIGHTS

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2. It is important that **ALL** the blanks be completed, and the **AMOUNT PAID BE SHOWN**.

3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 20,242.66

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.

2. ☐ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 0.00

3. ☒ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Ess Brothers

Signature

TREASURER

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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2. It is important that **ALL** the blanks be completed, and the **AMOUNT PAID BE SHOWN**.

3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 488,245.05

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.

2. ☐ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 0.00

3. ☒ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Core & Main

Signature

Credit Manager

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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2. It is important that **ALL** the blanks be completed, and the **AMOUNT PAID BE SHOWN.**
3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 117,271.70

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.
2. ☐ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 5,863.59
3. ☒ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

***Cottage Grove* South District Sanitary Sewer Project – Phase I**

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Innovative High Performance Coatings

Jessica C Jhnson
Signature

Manager
Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 185,339.22

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.
2. ☐ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 0.00
3. ☑ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Ripker Materials

Laura Smith
Signature

Credit + Collections Supervisor
Title

AMERICAN

THE RIGHT WAY

American Cast Iron Pipe Company

Angela Shiflett • Credit Secretary • 205-325-8940• Fax: (205) 325-8941 •ashiflett@american-USA.com

August 26, 2022

EMAIL: matt@geislingerandsons.com
Geislinger & Sons, Inc.
511 Central Avenue S.
P.O. Box 437
Watkins, MN 55389

RE: *FINAL WAIVER OF LIEN*
Cottage Grove South District Sanitary Sewer Project -Phase I
Minnetonka, MN

ACIPCO ORDER #: D5E2290

Gentlemen:

As requested, we are attaching a Waiver of Lien covering payment of the above order which has been properly credited to your account.

If we can provide further assistance, please feel free to contact us at the below listed number.

Yours very truly,

Angela Lewis
Credit Secretary
Direct #: (205) 325-8940

/aml

Attachment

511 Central Ave N
PO Box 49
Watkins, MN 55389
Phone – 320.764.2000
Fax – 320.764.2037

GEISLINGER AND SONS, INC.
General Contractors

RECEIPT AND WAIVER OF MECHANIC'S LIEN RIGHTS

1. This is a LEGAL DOCUMENT and must be executed accordingly by officers of corporations and by partners in co-partnerships.
2. It is important that ALL the blanks be completed, and the AMOUNT PAID BE SHOWN.
3. ERASURES OR ALTERATIONS MUST NOT BE MADE.

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 125,894.18

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.
2. ☐ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 0.00
3. ☒ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid in Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all materials furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

American Cast Iron Pipe Company

Signature

Director of Treasury & Risk
Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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2. It is important that **ALL** the blanks be completed, and the **AMOUNT PAID BE SHOWN**.

3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 114,500.00

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.
2. ☒ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 5,725.00
3. ☐ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Rice Lake Construction Group

Signature

P. M.

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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2. It is important that **ALL** the blanks be completed, and the **AMOUNT PAID BE SHOWN.**

3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of ~~$ 945.00~~ $ 1,350.00 ($384.75 paid on 9/1/22)

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.

2. ☒ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - ~~$ 47.25~~ $67.50

3. ☐ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Safety Signs, LLC

Beth Novak
Signature

Controller
Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 09.15.2022

The undersigned hereby acknowledges receipt of the sum of $ 197,469.81

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.

2. ☒ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 9,873.49

3. ☐ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

Midwest Borings, Inc.

Signature

Lynnette Schillewaert, President

Title

511 Central Ave. S.
PO Box 437
Watkins, MN 55389
Phone – 320.764.2006
Fax – 320.764.2007

GEISLINGER AND SONS, INC.
General Contractors

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3. **ERASURES OR ALTERATIONS MUST NOT BE MADE.**

DATE: 08.25.2022

The undersigned hereby acknowledges receipt of the sum of $ 18,601.00

CHECK ONLY ONE

1. ☐ As partial payment for labor, skill, and material furnished or to be furnished.

2. ☒ As payment for all labor, skill, and material furnished or to be furnished (except the sum of retainage or holdback.) Retainage held - $ 930.05

3. ☐ As full and final payment for all labor, skill, and material furnished or to be furnished.

To the following described real property: (legal description, street address, or project name)

Cottage Grove South District Sanitary Sewer Project – Phase I

And for value received hereby waives all rights acquired by the undersigned to file or record mechanic's liens against said real property for labor, skill, or material furnished to said real property (only for the amount paid if Box 1 is checked, and except for retainage shown in Box 2 is checked.) The undersigned affirms that all material furnished by the undersigned has been paid for, and all subcontractors employed by the undersigned have been paid in full, EXCEPT:

American Fence Company

Dawn M McPheeters
Signature

Controller
Title

CITY OF COTTAGE GROVE
CITY COUNCIL
RESOLUTION NO. 2022-147

RESOLUTION APPROVING THE FINAL PAYMENT IN THE AMOUNT OF $126,900.53 TO GEISLINGER & SONS, INC FOR THE SOUTH DISTRICT SANITARY SEWER EXTENSION PHASE 1 PROJECT

WHEREAS, the City Engineer has certified that work has been satisfactorily completed; and

WHEREAS, the total contract amount was $3,574,192.50. The final construction cost was $3,359,489.73, which is $214,702.77 less than the contract amount; and

WHEREAS, the project has been satisfactorily completed in accordance with the contract plans and specifications.

NOW THEREFORE BE IT RESOLVED, by the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, that $126,900.53 is paid to Geislinger & Sons, Inc. for the final payment for the South District Sanitary Sewer Extension – Phase 1 Project

Passed this 2nd day of November, 2022.

_____
Myron Bailey, Mayor

Attest:

_____
Tamara Anderson, City Clerk

City Council Action Request

Cottage Grove
Where Pride and Prosperity Meet

7L

Meeting Date	11/2/2022
Department	Community Development
Agenda Category	Consent Agenda
Title	Septic System Variance at 7540 Laverne Avenue South
Staff Recommendation	Adopt Resolution 2022-143 approving the variance to allow an additional individual sewage treatment system and pressure bed to be setback seven feet from the west property line at 7540 Laverne Avenue South.
Budget Implication	N/A

Attachments

Septic Variance CC Memo.tif	19.04MB
Septic Variance Exhibit.tif	3.54MB
Septic Variance Resolution.tif	7.53MB

Cottage Grove
Where Pride and Prosperity Meet

TO: Honorable Mayor and City Council
Jennifer Levitt, City Administrator

FROM: Mike Mrosla, Senior Planner

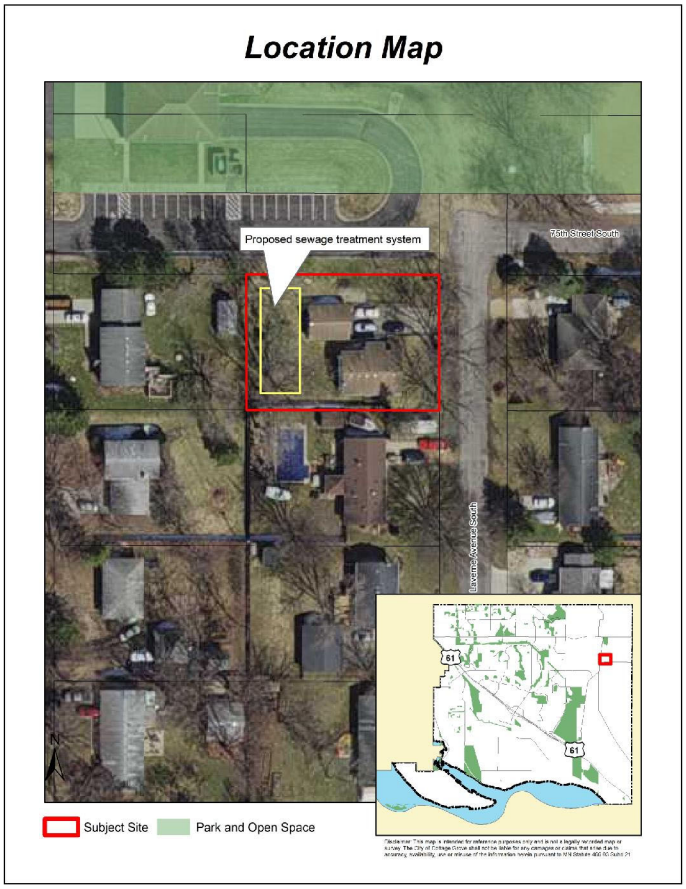
DATE: November 2, 2022

RE: Individual Sewage Treatment System (ISTS) Setback Variance

---

Proposal

Brian Convery (Applicant) submitted an application for a variance at 7540 Laverne Avenue South to replace an existing Individual Sewage Treatment System (ISTS).



Location Map

Review Schedule

Application Received: August 2, 2022
Application Accepted: August 2, 2022
Planning Commission Meeting: August 22, 2022
City Council Meeting: September 7, 2022
60-Day Review Deadline: October 1, 2022

Property Characteristics

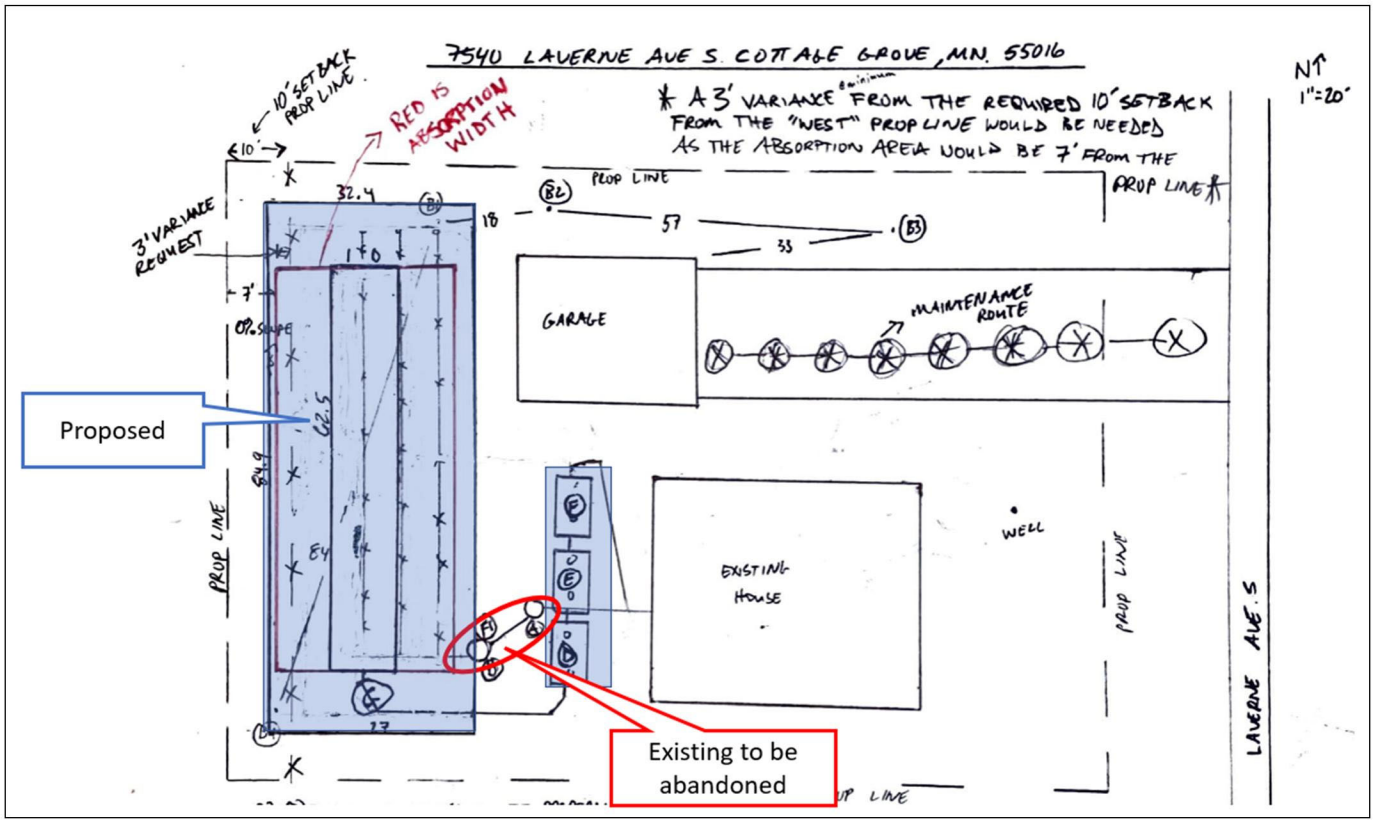
The subject parcel is an urban parcel with a single-family home and detached garage as shown below. The existing ISTS is located behind the principal structure and is no longer operable and needs replacing.

Existing Site

Planning Considerations

Ordinance Requirements
City Code is silent on individual sewage treatment system setbacks as Washington County is the permitting agency for the community. Washington County Ordinance 206 Section 16.2 requires a minimum setback of 10 feet to the property line.

Variance – Setback
The proposed replacement ISTS will need to be in a different location than the existing system. Soil borings were completed to determine the most feasible location on site, and due to the site constraints, the Applicant is requesting a variance to locate the proposed wastewater dispersal system 7 feet from the west property line instead of Washington County's required 10-foot setback.



Site Plan

Variance Requests

With all variance requests, the Planning Commission and City Council must look to the zoning ordinance for guidance and direction. City Code Title 11-2-7: Variances, Sections A and D states that:

A. Authority And Purpose: The council may grant variances from the strict application of the provisions of this title and impose conditions and safeguards in the variances so granted in cases where there are practical difficulties or particular hardships in the way of carrying out the strict letter of the regulations of this title.

D. Consideration By Planning Commission; Recommendation: Before authorization of any variances, the request therefor shall be referred to the planning commission, and for its recommendation to the city council for the granting of such variance from the strict application of the provisions of this title so as to relieve such practical difficulties to the degree considered reasonable without impairing the intent and purpose of this title and the comprehensive plan. The planning commission shall recommend such conditions related to the variance, regarding the location, character and other features of the proposed building, structure or use, as it may deem advisable. The planning commission shall make its recommendation within sixty (60) days after the request is referred to it, unless the applicant requests, in writing, that an extension of time for review be granted by the planning commission.

The planning commission may recommend a variance from the strict application of the provision of this title, if they find that:

1. *The variance is in harmony with the purposes and intent of this title.*
2. *The variance is consistent with the comprehensive plan.*

3. *The proposal puts the property to a reasonable use.*
4. *There are unique circumstances to the property not created by the landowner.*
5. *That the conditions upon which an application for a variance is based are unique to the parcel of land for which the variance is sought and are not applicable, generally, to other property within the same zoning classification.*
6. *That the purpose of the variance is not based exclusively upon a financial hardship.*
7. *That the granting of the variance will not be detrimental to the public welfare or injurious to other land or improvements in the neighborhood in which the parcel of land is located.*
8. *That the proposed variance will not impair an adequate supply of light and air to adjacent property, or substantially increase the congestion of the public streets, or increase the danger of fire, or endanger the public safety.*

Findings
The findings of fact for a favorable recommendation of the variance request are as follows:

A. Washington County Ordinance allows on-site sewage disposal when public or municipal facilities are not available.

B. The Applicant is proposing to utilize the property in a reasonable manner by constructing a septic tank and drain field within a single-family residential property.

C. Due to site constraints not created by the property owner, the site does not have the needed lot depth to conform to the existing setback requirements.

D. The Applicant has submitted an application for the proposed system with Washington County Public Health and Environmental.

E. Washington County Public Health and Environmental will not issue the permit for the subject property until the City of Cottage Grove approves a setback variance due to the site being located within City limits and not in County's jurisdiction

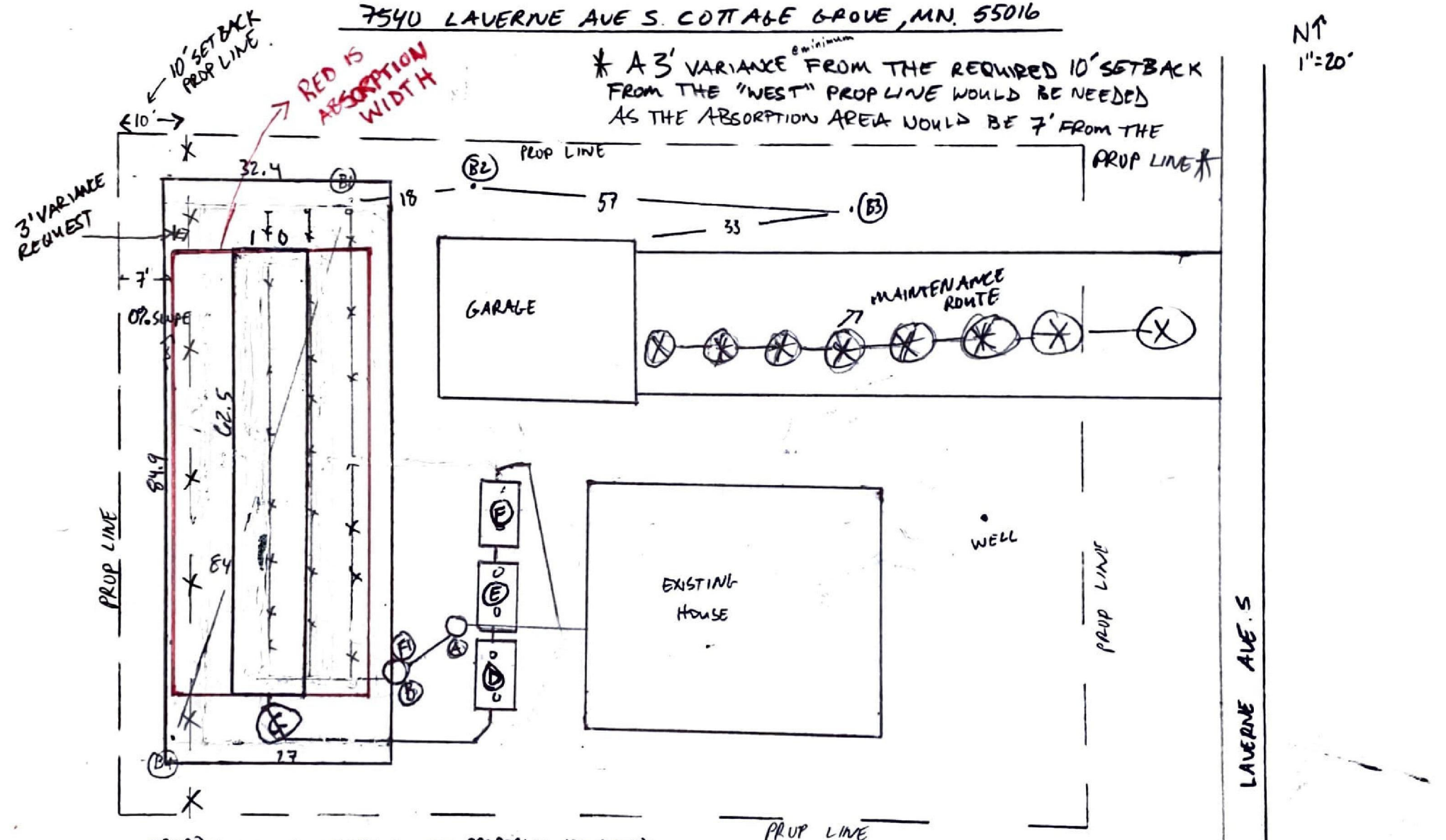
Public Hearing Notices
On October 12, 2022, the public hearing notice for the October 24, 2022, Planning Commission meeting was published in the *Saint Paul Pioneer Press* and mailed to 46 property owners that are within 500 feet of the proposed project. Staff received one phone call from a resident inquiring about the design of the proposed system.

Planning Commission Meeting
The City's Planning Commission reviewed and held a public hearing for the request at their October 24, 2022, meeting. There were no residents that participated in the public hearing. A Planning Commissioner asked a question about the location of the proposed system in regard to the abandoned system. They then voted unanimously (7-to-0) to approve the request.

Recommendation

Adopt the resolution approving the variance to allow an additional individual sewage treatment system and pressure bed to be setback seven feet from the west property line at 7540 Laverne Avenue South.

7540 LAVERNE AVE S. COTTAGE GROVE, MN. 55016



(A) (B) = EXISTING TANKS TO BE PROPERLY ABANDONED

(D) = NEW 1000G PUMP TANK
(E) = NEW 1000G SEPTIC TANK W/FILTER
(F) = NEW 1500G SEPTIC TANK
(G) = NEW 32.4'x84.9' MOUND W/ 10'x62.5' ROCK BED

32.4'x84.9' MOUND W/10'x62.5 ROCK BED

(B1) (B4) = SOIL BORING HOLES

ELEVATIONS

(F1) = 100' BENCHMARK EXISTING PUMP TANK (A)
(B1) = 97.5' (B3) 99'
(B2) = 97.7' (B4) 98'

inlet
outlet
= TBD By Installer Tank Placement

VARIANCES WILL & MAY BE REQUIRED FOR SETBACKS

CITY OF COTTAGE GROVE, MINNESOTA
CITY COUNCIL
RESOLUTION 2022-143

A RESOLUTION GRANTING A VARIANCE TO SETBACK REQUIREMENTS FOR AN INDIVIDUAL SEWAGE TREATMENT SYSTEM AT 7540 LAVERNE AVENUE SOUTH

WHEREAS, Brian Convery, on behalf of the property owner Prueser Family TRS, applied for a variance to allow an individual sewage treatment system to be located seven feet from the rear property line when ten feet is required on the residentially zoned property legally described below:

Subdivision Name EAST SIDE Lot 22 Subdivision Cd 27345

Commonly known as 7540 Laverne Avenue South, Cottage Grove, Washington County, State of Minnesota.

WHEREAS, the Planning Commission reviewed this application at their meeting on October 24, 2022; and

WHEREAS, a planning staff report, which detailed specific information about the property and the variance application, was prepared and presented; and

WHEREAS, the Planning Commission reviewed the variance criteria and findings of facts established by the Zoning Ordinance for granting a variance; and

WHEREAS, public hearing notices were mailed to property owners within 500 feet of the property and a public hearing notice was published in the St. Paul Pioneer Press; and

WHEREAS, the public hearing was open for public testimony and no one spoke for or against the application. The applicant was present at the meeting; and

WHEREAS, the Planning Commission unanimously (7-to-0 vote) recommended to the City Council that the variance be granted based on the findings of fact and subject to the conditions listed in the Planning Staff Report.

NOW, THEREFORE BE IT RESOLVED, the City Council of the City of Cottage Grove, Washington County, Minnesota, hereby grants a variance to allow an individual sewage treatment system to be located seven feet from the rear property line when ten feet is required on the residentially zoned property legally described above. Granting this variance is based upon the following findings of fact:

A. Washington County Ordinance allows on-site sewage disposal when public or municipal facilities are not available.

B. The Applicant is proposing to utilize the property in a reasonable manner by constructing a septic tank and drain field within a single-family residential property.

C. Due to site constraints not created by the property owner, the site does not have the needed lot depth to conform to the existing setback requirements.

D. The Applicant has submitted an application for the proposed system with Washington County Public Health and Environmental.

E. Washington County Public Health and Environmental will not issue the permit for the subject property until the City of Cottage Grove approves a setback variance due to the site being located within City limits and not in County's jurisdiction.

BE IT FURTHER RESOLVED, the recommendation for approval of the variance is subject to the following conditions:

1. The individual sewage treatment system shall comply with all Washington County codes, and all required inspections and approvals should be conducted.

2. The treatment and dispersal processes must prevent sewage or sewage effluent contact with humans, insects, or vermin and must be in a safe manner that adequately protects from physical injury or harm.

3. Prior to work commencing, a permit for an individual sewage treatment system (septic system) shall be issued by Washington County Public Health and Environmental.

Passed this 2nd day of November 2022.

_____
Myron Bailey, Mayor

Attest:

_____
Tamara Anderson, City Clerk

City Council Action Request

7M

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	City-Wide Rezoning Process And Notice Requirements
Staff Recommendation	Adopt Resolution 2022-145 authorizing a clty-wide rezoning process and waiver of mailed notice requirements.
Budget Implication	N/A
Attachments	Memo - city-wide rezoning resolution.tif 4.21MB Resolution - citywide rezoning.tif 5.8MB

Cottage Grove
Where Pride and Prosperity Meet

To: Mayor and Council

From: Kori Land, City Attorney

Date: November 2, 2022

Subject: Resolution Authorizing a City-Wide Rezoning Process and Waiver of the Mailed Notice Requirements

---

The City has been undergoing a City Code and Zoning Code revision process that will result in a repeal and replacement of the entire City Code, Zoning Code and Zoning Map.

When the City amends the Zoning Code, state law has notice requirements that must be met, including holding a public hearing, and in specific situations, requiring mailed notice to property owners within a certain distance of the property being rezoned. Minnesota Statute §462.357 subd. 3 requires mailed notice to property owners within 350 feet if the parcel being rezoned is less than 5 acres. Since the City is undergoing a city-wide rezoning, the "property" being rezoned, in this case the entire city (approx. 33 square miles), is more than 5 acres. The statutory mailed notice requirements do not apply.

However, City Code §11-2-8(D) goes even further than state law and requires mailed notice to be sent to property owners within 500' of any property being rezoned, *except* in the event of a city-wide rezoning, in which case, the City Code authorizes the Council to waive the mailed notice requirement.

Since trying to send mailed notice to every household would be expensive, timely and nearly impossible, we request that the Council authorize a city-wide rezoning and waive the mailed notice requirements, as authorized by City Code. The Planning Commission will hold a public hearing on December 19, 2022 and in the time leading up to the public hearing, a robust public awareness campaign will be undertaken to ensure that every household and business has an opportunity to be alerted to the rezoning, be informed with accurate information and have the opportunity to ask questions.

RECOMMENDATION:
Adopt Resolution 2022-145 Authorizing a City-Wide Rezoning Process and Waiver of the Mailed Notice Requirements

CITY OF COTTAGE GROVE, MINNESOTA
CITY COUNCIL
RESOLUTION 2022-145

RESOLUTION AUTHORIZING A CITY-WIDE REZONING PROCESS AND WAIVER OF THE MAILED NOTICE REQUIREMENTS

WHEREAS, the City Council has authorized the City's planning staff to prepare a full repeal and replace of the City's current zoning code and Zoning Map as part of the City's recodification process; and

WHEREAS, during staff's review of the City's current zoning code, it was determined that a city-wide rezoning process would be the most effective and efficient way to enact the City's zoning map changes; and

WHEREAS, the City Council may authorize a city-wide rezoning process as permitted in City Code Section 11-2-8(D); and

WHEREAS, Minnesota Statute Section 462.357, subd. 3 requires that when an amendment involves changes in district boundaries affecting an area of five acres or less, a notice must be mailed at least ten days before the hearing to each owner that is within 350 feet of the property being rezoned; and

WHEREAS, since the entire City Zoning Map of the City is being rezoned, the amendment involves changes in district boundaries affecting an area that is more than five acres, therefore the mailed notice requirements of state law do not apply; and

WHEREAS, City Code Section 11-2-8(D) requires mailed notice to be sent to each owner that is within 500 feet of the property being rezoned; and

WHEREAS, the City Code also authorizes the City Council to waive the mailed notice requirements of City Code Section 11-2-8(D) for a city-wide rezoning; and

WHEREAS, in lieu of the mailed notice requirements, the City Council has elected to engage in the following public awareness campaign to ensure property owners within the City are aware of the proposed changes:

1. A website including a summary of the recodification process, the timeline and steps, and an interactive map allowing users to understand the changes to their property;
2. Direct community engagement including Business over Breakfast event, Chamber of Commerce lunch, and two public open houses;
3. An outline of the process and impacts in the November 2022 Cottage Grove Reports, as a special insert; and
4. A Public Hearing by the Planning Commission that will be held on or about December 19, 2022.

NOW THEREFORE BE IT RESOLVED, the City Council of the City of Cottage Grove, County of Washington, State of Minnesota, does authorize the following:

1. A city-wide rezoning process as permitted in City Code Section 11-2-8(D); and

2. The waiver of the mailed notice requirements pursuant to the authority in City Code Section 11-2-8(D).

Passed this 2nd day of November 2022.

Myron Bailey, Mayor

Attest:

Tamara Anderson, City Clerk

City Council Action Request

Cottage Grove
Where Pride and Prosperity Meet

7N

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	City Code Publication
Staff Recommendation	Authorize signatures to enter into the agreement with American Legal Publishing to reformat, publish and host the City Code online.
Budget Implication	$3,700 Initial Fee - City Clerk Budget

Attachments

Memo - Codification Appointment.tif	5.08MB
American Legal - Formatting Proposal 2022.tif	29.22MB
Municode Pricing.tif	393.45KB
Contract - American Legal.tif	3.53MB

Cottage Grove
Where Pride and Prosperity Meet

To: Honorable Mayor and City Council Members
Jennifer Levitt, City Administrator
From: Tamara Anderson, City Clerk

Date: October 27, 2022

Subject: City Code Publication

The City has been undergoing a City Code and Zoning Code revision process that will result in the repeal and replacement of the entire City Code and Zoning Code.

The City has been using American Legal Publishers for many years to provide the services of codifying our City Code and publishing and hosting the on-line version. The codifier is responsible for the recodification which includes incorporating new ordinances, updating the index and tables as needed, reformatting the pages into a consistent typestyle, and printing complete copies of the entire code book if requested. Lastly, the code is hosted on the internet in a searchable format. Since we are redoing the entire City Code, which will require significant time from any codifier, we reached out to the two companies with which we were familiar that provide this unique service.

Bids were solicited from Municode and American Legal. Their pricing is shown in the table below.

	American Legal	Municode
Initial Formatting	Onetime $2,550 (up to 600 pages) fee $4 each additional page	$0 (up to 1,100 pages)
Converting Code to Online Format	$650	included in $4,300
Amendments/Supplemental Service	$20 per single column (up to 600 pages) (supplements as often as needed)	$4,300 annual fee (supplements up to 4x per year)
Annual Hosting Charge	$500	$450 (up to $1,195)
Total	$3,700 initial fee only $500 annual fee + amendments	$4,750 annual fee

As you can see, the two companies have differing pricing strategies. American Legal's fees are a one-time upfront fee for the initial recodification and thereafter, the only annual fee is a per-page amendment fee and the annual web hosting. Municode's fee is an annual fee of $4,300 plus the webhosting fee. In addition, American Legal will publish amendments and update our ordinances each time we submit an amendment, keeping the online City Code up to date. Municode only provides updating of the Code up to 4 times/year. American Legal is also endorsed by the League of Minnesota Cities. We are confident that American Legal can offer a good service for our recodification and the webhosting of the City Code.

RECOMMENDATION:

Approve American Legal Publishing's proposal to reformat, publish and host the City Code on the web for the City of Cottage Grove.

Code of Ordinances

Formatting Proposal for Cottage Grove, MN

League of Minnesota Cities
145 University Avenue West
St. Paul, MN 55103-2044

Aisia Davis, Esq.
Codification Attorney
(651) 281-1271

American Legal Publishing
525 Vine Street, Ste. 310
Cincinnati, OH 45202

Ray Bollhauer, Esq.
President
(800) 445-5588

LEAGUE OF MINNESOTA CITIES
and
AMERICAN LEGAL PUBLISHING CORPORATION

PROPOSAL FOR COTTAGE GROVE, MINNESOTA

TABLE OF CONTENTS

1) Letter

2) Proposed Agreement

3) Sample Code Style

4) Internet Services; Search & Retrieval Program

LEAGUE OF MINNESOTA CITIES

CONNECTING & INNOVATING
SINCE 1913

June 22, 2022

Korine Land
City Attorney
LeVander, Gillen & Miller
1305 Corporate Center Dr., Ste. 300
Eagan, MN 55121

Re: Cottage Grove City Code of Ordinances

Dear Ms. Land:

As requested, enclosed is American Legal Publishing's proposal for formatting the revised Cottage Grove City Code. American Legal works in conjunction with the League of Minnesota Cities when codifying Minnesota municipal codes. **We currently provide codification services to over 300 Minnesota cities.**

Formatting services affect the appearance of the code text - it makes it presentable for printing copies. The options include either single or dual column format. We will also add page numbers (which are missing from the current printed code books) and page headers, create a Table of Contents and a Parallel Reference Table listing the ordinances that have been codified. As an option, we can also create a general code index. Once the formatting work is completed, we will use the new files to post the code online in a searchable platform.

Formatting would begin once you have finalized all changes to the code. I would expect formatting to take us up to 60 days to schedule and complete (estimating 600 pages). It would take an additional two weeks to have it posted it online. If we received the final code files in early October, we should be able to post the code online by January 1, 2023.

Should you have any questions about the proposal, please call us.

Sincerely,

RAY BOLLHAUER, Esq.
ALP President
(800/445-5588)
rbollhauer@amlegal.com

Aisia Davis, Esq.
LMC Codification Attorney
(615/281-1200)
adavis@lmc.org

If signing contract, please return to Ray at: American Legal Publishing
525 Vine Street, Ste. 310
Cincinnati, OH 45202

American Legal Publishing Corp
525 Vine Street, Ste. 310
Cincinnati, Ohio 45202

City of Cottage Grove
12800 Ravine Parkway S.
Cottage Grove, MN 55016

CODIFICATION FORMATTING SERVICES AGREEMENT

June 21, 2022

The City of Cottage Grove, Minnesota ("City") and the League of Minnesota Cities and its codification consultant, American Legal Publishing Corporation, (jointly known as "Codifier"), agree as follows:

I. THE CODIFIER SHALL:

(1) Reformat the Code into single or dual columns (at the city's option). Blank lines will be added between sections to make the text easier to read. Substantive changes shall not be made in the wording of the code.

(2) Create a Table of Contents and Parallel Reference Table listing ordinances codified.

(3) Confer with the Municipal Clerk during the course of reformatting project, whenever the Publisher or Municipal Clerk considers a conference necessary, to review the Publisher's work.

(4) Deliver to the Municipality, within 60 days one printed copy of the Code meeting the following specifications:

(a) Single or dual column print type (at the city's option).

(b) Page size to be 8½" x 11".

(c) Printed on high quality paper with three hole punch.

(d) New, three ring binder in dark blue color

(5) Convert the new code into a fully searchable format for posting on the Internet.

II. THE MUNICIPALITY SHALL:

(1) Pay to the Publisher for editing, the sum of $2,550 for formatting services (based on 600 pages; additional fee of $4 per page over 600 pages) and $650 for converting the code into an online searchable format, as set out in Section I. The annual online hosting fee is $500/year.

Plus Shipping/Handling

(2) Pay any invoices within 45 days of the invoice date.

III. FUTURE UPDATES TO CODE and OPTIONS.

(1) Supplemental service plan:

(a) The Codifier shall:

1. Post ordinances online under Ordinances Pending Codification (if city provides MS Word versions) until the ordinances have been incorporated into the code.

2. Incorporate into the code new pertinent ordinances submitted by the City.

3. Revise or make additional entries to the table of contents and index as necessary to reflect the incorporation of additional, changed or deleted material.

4. Deliver to the City one printed copy of supplemental pages with an instruction sheet for directing the placement of the new pages in the code.

(b) The City shall:

1. Provide a copy of ordinances or resolutions passed subsequent to publication of the previous code supplement;

2. Pay to the Codifier the sum of $22 per single column page or $24 per dual column page which is re-printed for the supplement, plus shipping/handling.

(2) Code Online in Searchable Program:

(a) Code on the Internet annual hosting fee: $500 per year.

(b) Access and Search other codes on American Legal Publishing's Website at no charge.

Choose a schedule for future updates:

Printed Book Updates:_____ annually _____ six months _____ quarterly _____ as ordinances pass

Internet Updates: _____ annually _____ six months _____ quarterly _____ as ordinances pass

(3) Choose format of printed code pages: Circle: Single Column Dual Column

(4) Index.

Codifier can create a general index for the code for $300 Circle: Yes No

IV. TRANSMITTAL AS OFFER.

The transmittal of this Agreement to the Municipality is an offer by the Publisher to perform the stated services at the prices and terms referenced within the Agreement. This offer will expire if not executed by the Municipality by October 31, 2022, unless such date is extended in writing by the Publisher.

IN WITNESS WHEREOF the parties to this contract have hereunto set their hands on the date(s) indicated:

CITY OF COTTAGE GROVE, MN

BY _____

TITLE _____

DATE _____

LEAGUE OF MINNESOTA CITIES AND AMERICAN LEGAL PUBLISHING

BY _____

TITLE _____

DATE _____

Return signed contract to:

Ray Bollhauer
American Legal Publishing
525 Vine Street, Ste. 310
Cincinnati, OH 45202

1) Sample Typestyle and Formatting:

- Sample of formatted page in single column

- Sample of formatted page in dual column

TITLE 1
ADMINISTRATION

CHAPTER 1
OFFICIAL CITY CODE

SECTION:

1-1-1: Title
1-1-2: Numbering System
1-1-3: Adoption By Reference
1-1-4: Inconsistent Provisions
1-1-5: Severability
1-1-6: Ordinance Enactment and Effective Date
1-1-7: Repealed and Special Ordinances
1-1-8: Ordinances Amending Code; Integration into Code
1-1-9: Recordkeeping
1-1-10: Electronic Signatures

1-1-1: TITLE:

This codification of the ordinances of the City of Cottage Grove may be referred to and cited as “the Cottage Grove City Code” or “the City Code.” It may also be referred to within this codification as “this Code” or “the Code.”

1-1-2: NUMBERING SYSTEM:

A. Numbering System Explained: For the purposes of internal references in the Code and citation by its users, each section of the legislation included in this Code has been assigned a number that indicates the title in which the legislation is included, the Chapter or Article as the case may be in which it is found and the location of the section within that Chapter or Article, as follows:

Example: 5-1A-2
First number (5-1A-2) Title of Code
Second number (5-1A-2) Chapter of Title
Letter (5-1A-2) Article of Chapter
Third number (5-1A-2) Section of Chapter and/or Article

B. Referencing Code Provisions: References or citations made in a form other than the foregoing will not defeat the intent of a user in citing this Code when that intent is otherwise clear. This Code is to be construed liberally to carry out its intent and purpose.

1-1-3: ADOPTION BY REFERENCE:

Statutes or administrative rules or regulations of the State of Minnesota and codes and ordinances adopted by reference in this Code are adopted pursuant to authority granted by

TITLE 1
ADMINISTRATION

CHAPTER 1
OFFICIAL CITY CODE

SECTION:

1-1-1: Title
1-1-2: Numbering System
1-1-3: Adoption By Reference
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Letter (5-1A-2) Article of Chapter
Third number (5-1A-2) Section of Chapter and/or Article

B. Referencing Code Provisions: References or citations made in a form other than the foregoing will not defeat the intent of a user in citing this Code when that intent is otherwise clear. This Code is to be construed liberally to carry out its intent and purpose.

1-1-3: ADOPTION BY REFERENCE:

Statutes or administrative rules or regulations of the State of Minnesota and codes and ordinances adopted by reference in this Code are adopted pursuant to authority granted by Minnesota Statutes section 471.62. At least one copy of any item so adopted, but not less than the number of copies required by law, must be kept in the office of the City Clerk for use by the public.

1-1-4: INCONSISTENT PROVISIONS:

The regulatory provisions of this Code are minimum requirements. If the provisions in one section of this Code differ from those in any other Section, the provisions that are more restrictive or that impose the higher standard will prevail.

1-1-5: SEVERABILITY:

Every chapter, section, subdivision, paragraph, and subparagraph of this Code is separate from every other Code provision. If any provision of this Code as now or later amended or its application to any person or circumstance is held invalid, the invalidity does not affect other provisions that can be given effect without the invalid provision or application.

1-1-6: ORDINANCE ENACTMENT AND EFFECTIVE DATE:

A. Enactment of Ordinances: Ordinances are enacted in accordance with

American Legal Publishing Internet Features
(2022 Price List)

Our online codes have the following features:

Online Features:	Many features are included in current annual hosting fee at no additional cost	Price:
PC, Tablet, Smart Phone versions	PC and Mobile Views	Included
Multiple Search formats	1. Quick Search 2. Advanced Search Template	Included
Automatic Stem Searches (finds plurals of words)	*Dog* finds *dog* and *dogs* *Fence* finds *fence, fences, fencing* and *fenced*	Included
Synonym Searches	Users can choose synonym searching: *Grass* finds *grass, turf, lawn* *Garbage* finds *garbage, litter, trash, rubbish*	Included
Continuous Next Hit feature	You can go through all hits without having to go back to the Results List for each chapter	Included
Table of Contents expands and links to sections	View and navigate the TOC while also viewing code text and option to view TOC, Document and Search Results at same time	Included
Download text in multiple file choices from the web	Can download into MS Word, HTML, TXT, PDF, MOBI and EPUB (can also use copy/paste feature)	Included
Email links to text	Can email link to specific text in code	Included
Cross-references hyperlinked	Cross-references to other sections, including Penalty references are hyperlinked	Included
Color Graphics	Yes - if provided in color by the Municipality	Included
Static Links to specific sections can be set	Ability to set links to titles, chapter or individual sections in the code	Included
Scrolling tables - static header	The titles of table columns remain visible as you scroll through tables	Included
Limit searches to specific sections	Use TOC feature to limit search to chapters or sections (or expand search to other municipal codes)	Included

Email notifications of code changes	Staff and the public can create a free account to receive email notifications when the code changes	Included
Annotations	Staff and the public can create a free account to create annotations	Included
Electronic format	Online document flows uninterrupted; no page breaks or page numbers to interrupt the text	Included
Translation into other languages	Apply Google Translate to the Code	Included
New Ordinance List Service (Advance Legislation Notice)	Ordinances not yet codified listed with link to full text of ordinances (ordinances removed from list once they are codified)	Included
Search over 2,000 municipal codes	Free access to all codes we publish online; no need to subscribe to any service	Included
Online help features	Use online help features or contact our technical service reps via email or toll-free phone number	Included
OPTIONAL SERVICES:		
New Ordinance Notification	Notice posted at beginning of code section with link to ordinance that will amend that section (ordinances removed from code once they are codified)	$10/ordinance that is linked (5 links included; $2 per addit. link)
Comprehensive Ordinance List	New ordinances added to list of all ordinances codified and remain even after code is updated	$8/ordinance if hosted on city's website, or $10/ordinance if hosted on ALP website; additional $50/year hosting fee with annual increase of $10
Ordinances History Links within code section histories	As new ordinances are added to the code section history list, links to the original ordinance can be set	$8/ordinance if hosted on city's website, or $10/ordinance if hosted on ALP website
Definition Links	Defined terms in the code can be hyperlinked directly to their definition (See Weston, FL code)	$75/hour

Archive of prior versions of code online and Comparing different versions	Prior versions of the code may be hosted online for research purposes, including creating a compared document	Annual code updates: $50/yr; 6 month or quarterly updates: $100/yr; More often: $250/yr

Meeting Minutes hosted online in searchable database:

Prior minutes (initial set-up of database): 75¢ per page if provided from city to ALP in electronic format such as PDF or MS Word (minimum start up fee of $300) + hosting fee

Future minutes posted at 75¢ per page if provided from city to ALP in electronic format such as PDF or MS Word (minimum fee of $10 per update) + hosting fee

Hosting Fee: $250/year hosting fee; increases by 5% per year after third year

---

Tammy Anderson

From: Joshua Riley [redacted]
Sent: Friday, July 22, 2022 3:53 PM
To: Tammy Anderson
Subject: RE: Municode Introductions and Update

Importance: High

EXTERNAL EMAIL WARNING: This email originated from an outside organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Tammy,

I hope your Friday is going well. I called a few minutes ago about an update for the pricing on this request. I will need the redline version or adopted version once the in house recodification is complete. But, based on our previous notes I was able to get a ballpark figure to further assist with your talking points.

Full-service supplementation and code line option
*Conversion estimated sum **1100** pages: **no charge**
*Supplementation service option A: **$4,300**
Includes team of editors, proofreader state specific to your region. Can select an annual, tri-annual, bi-annual, and or quarterly schedule.
*Supplementation service option B (service plus) **$6,880.**
You still retain editors, proofreader, but you schedule can become monthly and include electronic copies
Note: option A or B eliminate the fluctuating cost associated with the current industry billing model. Regardless of pages adopted, you send to us, we codify for a flat annual fee. We will also update the code online to match the prints if selected
*Code online service starts at **$450** and can go up to our value option pricing **$1,195**

Note: if you were to consider just the basic options and service your first would be:
Conversion $0.00
Supplementation service fee $4,300
Code online hosting fee $450
Total year 1: $4,750 annual fee.

Josh "J.R." Riley
Legal Account Executive • **Municode**
Western Region
[redacted]
civicplus.com | municode.com

municode
POWERED BY CIVICPLUS

Powering and Empowering Local Governments

American Legal Publishing Corp
525 Vine Street, Ste. 310
Cincinnati, Ohio 45202

City of Cottage Grove
12800 Ravine Parkway S.
Cottage Grove, MN 55016

CODIFICATION FORMATTING SERVICES AGREEMENT

October 28, 2022

The City of Cottage Grove, Minnesota ("City") and the League of Minnesota Cities and its codification consultant, American Legal Publishing Corporation, (jointly known as "Codifier"), agree as follows:

I. THE CODIFIER SHALL:

(1) Reformat the Code into single or dual columns (at the city's option). Blank lines will be added between sections to make the text easier to read. Substantive changes shall not be made in the wording of the code.

(2) Create a Table of Contents and Parallel Reference Table listing ordinances codified.

(3) Confer with the Municipal Clerk during the course of reformatting project, whenever the Publisher or Municipal Clerk considers a conference necessary, to review the Publisher's work.

(4) Deliver to the Municipality, within 60 days one printed copy of the Code meeting the following specifications:

(a) Single or dual column print type (at the city's option).

(b) Page size to be 8½" x 11".

(c) Printed on high quality paper with three hole punch.

(d) New, three ring binder in dark blue color

(5) Convert the new code into a fully searchable format for posting on the Internet.

II. THE MUNICIPALITY SHALL:

(1) Pay to the Publisher for editing, the sum of $2,550 for formatting services (based on 600 pages; additional fee of $4 per page over 600 pages) and $650 for converting the code into an online searchable format, as set out in Section I. The annual online hosting fee is $500/year.

Plus Shipping/Handling

(2) Pay any invoices within 45 days of the invoice date.

III. FUTURE UPDATES TO CODE and OPTIONS.

(1) Supplemental service plan:

(a) The Codifier shall:

1. Post ordinances online under Ordinances Pending Codification (if city provides MS Word versions) until the ordinances have been incorporated into the code.

2. Incorporate into the code new pertinent ordinances submitted by the City.

3. Revise or make additional entries to the table of contents and index as necessary to reflect the incorporation of additional, changed or deleted material.

4. Deliver to the City one printed copy of supplemental pages with an instruction sheet for directing the placement of the new pages in the code.

(b) The City shall:

1. Provide a copy of ordinances or resolutions passed subsequent to publication of the previous code supplement;

2. Pay to the Codifier the sum of $20 per single column page or $22 per dual column page which is re-printed for the supplement, plus shipping/handling.

(2) Code Online in Searchable Program:

(a) Code on the Internet annual hosting fee: $500 per year.

(b) Access and Search other codes on American Legal Publishing's Website at no charge.

Choose a schedule for future updates:

Printed Book Updates:_____ annually _____ six months _____ quarterly _____ as ordinances pass

Internet Updates: _____ annually _____ six months _____ quarterly _____ as ordinances pass

(3) Choose format of printed code pages: Circle: Single Column Dual Column

(4) Index.

Codifier can create a general index for the code for $300 Circle: Yes No

IV. TRANSMITTAL AS OFFER.

The transmittal of this Agreement to the Municipality is an offer by the Publisher to perform the stated services at the prices and terms referenced within the Agreement. This offer will expire if not executed by the Municipality by November 30, 2022, unless such date is extended in writing by the Publisher.

IN WITNESS WHEREOF the parties to this contract have hereunto set their hands on the date(s) indicated:

CITY OF COTTAGE GROVE, MN

BY _____

TITLE _____

DATE _____

LEAGUE OF MINNESOTA CITIES AND AMERICAN LEGAL PUBLISHING

BY Ray Bollhauer

TITLE President - Amer. Legal Publishing

DATE 10-28-22

Return signed contract to:

Ray Bollhauer
American Legal Publishing
525 Vine Street, Ste. 310
Cincinnati, OH 45202

City Council Action Request

7O

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Consent Agenda
Title	Washington County Response Letter
Staff Recommendation	Receive the Washington County Draft 2023-2027 Capital Improvements Plan response letter.
Budget Implication	N/A
Attachments	Response Letter 2022-11-2 - Washington County CIP 2023-2027.tif 23.35MB

Cottage Grove
Where Pride and Prosperity Meet

November 2, 2022

Mr. Wayne Sandberg, P.E., Public Works Director/County Engineer
Washington County Department of Transportation and Physical Development
11660 Myeron Road North
Stillwater, MN 55082-9573

Re: Draft Washington County 2023-2027 CIP

Dear Mr. Sandberg:

The City of Cottage Grove appreciates the opportunity to provide comments on the Washington County Draft 2023-2027 Capital Improvement Plan (CIP).

One of the elements of the City's adopted Strategic Plan is to provide access to the Mississippi River as it is a key amenity for the community, region, and state. The City is requesting that Washington County dedicate funding to update the 1994 Grey Cloud Island Regional Park Master Plan starting in 2023. The need to move this forward is crucial as large tracts of land leading to the island continue to develop as landowners are willing sellers.

Additionally, Holcim is nearing completion of mining on Lower Grey Cloud Island within the next eight to ten years. As a result, they are working through an EIS to expand mining operations into the backwaters of the Mississippi River. This further suggests the need to update the Master Plan for future use of the island. Actively engaging the landowners in this update will be critical to a successful master plan update.

The City's 2040 Comprehensive Plan guides Grey Cloud Island as transitional planning. In order for any work to be completed to address the transitional planning area needs and objectives, there needs to be an update to the Master Plan. The decisions related to roads, bridges, and water and sewer extensions are hinged on final design of the island. There is a tremendous cost in infrastructure to develop the Island in any form, and a plan needs to be developed to address those needs. It is important that the stakeholders of the project are engaged, specifically the largest landholder on the island. There needs to be collaborative vision in which all stakeholders' voices are heard and integrated into the process. The starting point for that to happen is to undertake updating the Grey Cloud Island Regional Park Master Plan.

The City's specific comments on the CIP are as follows:

Park Projects

- Cottage Grove Ravine Regional Park Lighted Trails (PARK-4006)
  Included in the CIP in 2026 is the design of lighting for ski trails in the amount $350,000. While Cottage Grove supports this project as it is consistent with the Park Master Plan and shows the continued investment in this great amenity within the City, the 2022-2026 CIP included full implementation of the lighting in 2026 for a total value of $1,050,000. The current CIP does not

specify a construction time frame; Cottage Grove requests that the timing for implementation be revisited.

- Grey Cloud Island Regional Park Trail Development (PARK-5000)
  Currently, the draft CIP only includes $150,000 under PARK-5000 for trail development at the Grey Cloud Island Regional Park. While investment in this future regional park is appreciated, Cottage Grove believes an updated Master Plan with approval from all stakeholders is critical before any physical investment is made. To that end, the City is requesting that Washington County complete a full revision of the 1994 Grey Cloud Island Regional Park Master Plan. As Cottage Grove looks to develop a large community park on the former Mississippi Dunes Golf Course property, this will help to ensure City and County efforts to improve regional recreational opportunities in this area complement each other and inefficiencies of service are avoided.

- Central Greenway Regional Trail Master Plan
  The City strongly supports the County's Central Greenway Regional Trail Master Plan's goal to connect the Cottage Grove Ravine Regional Park with Lake Elmo Park Reserve via a regional trail along CSAH 19. As this area of Cottage Grove is being rapidly developed, the City would like to see cooperation on constructing the listed alternate routes in synchronization with development. Doing so could result in earlier achievement of the regional park connection end goal while awaiting the final route along CSAH 19. Solidifying these connections now will ensure they will be cohesive with development in the area and give residents and visitors access to this unique recreational experience as soon as possible.

Road and Bridge Projects

- CSAH 19 – CSAH 22 to Dale Road Preliminary Design (RB-2658)
  In response to the 2022-2026 Draft Washington County CIP, Cottage Grove requested a visioning study be completed for CSAH 19 south of Dale Road. Cottage Grove supports this preliminary design effort from Dale Road to CSAH 22. With ongoing development along both sides of CSAH 19, in both Cottage Grove and Woodbury, this preliminary design effort will be critical to meet the demands of growing traffic along in the area.

- CSAH 19 & 80th Street Intersection (RB-2667)
  Included in the CIP in 2024 & 2025 is $450,000 for planning, design, and right-of-way acquisition for intersection improvements at CSAH 19 and 80th Street. $3,600,000 in funding is shown in 2026 for construction of these improvements. Currently this is the only remaining all-way stop controlled intersection on CSAH 19 from Highway 61/10 to Interstate 494. Considering the continued residential and associated traffic growth in this area, Cottage Grove is strongly supportive of this planning effort. The City would request the County's ongoing collaboration on the anticipated intersection improvement and is supportive of future grant applications to secure funding for the project.

- CR 74 – County 38 to Geneva Avenue (RB-2675)
  Cottage Groves supports the proposed study and repairs to the ravine located along CR 74 in the City of Newport. This is a much-needed improvement, located just outside of the Cottage

Grove city limits. Through the recent Hawthorne Development, Cottage Grove worked with the developer to greatly reduce runoff rates to this ravine compared to the undeveloped condition.

- CR 19A/100th Street Realignment (RB-2685)
  Cottage Grove continues to strongly support the implementation of the first phase of the SW Arterial Project, through the realignment of CR 19A & 100th Street. With the significant increase in both industrial and residential development in this area of the City, this infrastructure project is critical to support the increasing traffic and to relieve pressure at the Jamaica Ave interchange with Highway 61. Obtaining grant funding for this project is necessary for its success, which Cottage Grove continues to aggressively pursue. Current pending applications include $25 million through the Rural Surface Transportation Grant program and $8.4 million through the Rail Crossing Elimination Grant program. Additionally, the City continues to work closely with 3M on the right-of-way acquisition process. Cottage Grove appreciates the ongoing collaboration on this project to ensure transportation needs are addressed both now and into the future.

- CSAH 20 & Pioneer Drive Planning Study (RB-2686)
  In the coming years, the area around Jamaica Avenue (CSAH 20) from 70th Street (CSAH 22) to Military Road is anticipated to be fully developed. Also, Woodbury continues to develop toward Cottage Grove, which will include the extension of Pioneer Drive down to Military Road. From a planning perspective, the City has been working with adjacent property owners and developers to obtain right-of-way to allow for a future roundabout at the intersection of Jamaica Avenue/Military Road/Pioneer Drive. Cottage Grove supports this study to begin the initial scoping of these future intersection improvements and would appreciate continuing to be involved in the discussions surrounding the study and proposed improvements.

- CSAH 19 – CSAH 22 to US Trunk Highway 61 (RB-2687)
  As mentioned in RB-2658, Cottage Grove appreciates including of this new planning study of CSAH 19 from US Trunk Highway 61 to CSAH 22 and is supportive of the effort.

- CR 74 Shared Use Trail (RB-2689)
  This pedestrian improvement project will be a good addition to this growing area of the City and will be a good use of Safe Routes to Schools funding. Cottage Grove looks forward to working with the County to implement this segment of trail.

- CSAH 20 – CSAH 22 – Military Road (RB-2691)
  As mentioned in RB-2686, Cottage Grove anticipates the area around Jamaica Avenue (CSAH 20) from 70th Street (CSAH 22) to Military Road to be fully developed in the coming years. The planning and design scheduled for 2025-2027 of this corridor is supported by the City to ensure both vehicles and pedestrians are able to move through this area efficiently and safely. Waiting to complete the study until such time that the area is fully developed provides an opportunity to better understand traffic patterns and the needs of the area. The City also anticipates the missing segments of Ravine Parkway between Hinton Avenue and Jamaica Avenue to be constructed by 2027, which would filter additional traffic through the Ravine Parkway/Jamaica Avenue intersection and could then be modeled with the planning and design.

- CSAH 22 Access Management – Hinton Avenue to Jamaica Avenue
  While Cottage Grove understands that there are higher priority transportation projects in the City, including CR 19A/100th Street extension and CSAH 19 improvements, staff looks forward to continued discussions on access management along CSAH 22 from Hinton Avenue to Jamaica Avenue. While access management is addressed in the executed agreement between the County and City, formalizing a plan to accomplish this as traffic continues to grow will be necessary.

Capital Projects – Bonds

- Park Grove Library Major Renovations (BSD-PGL-2001 & Bond-2027)
  The City is appreciative of the County's interaction and engagement on the direction of the future library over the past years. The City desires to develop a partnership with the County in which a future location of a library could be located. The Grove80 Apartments have been very successful and there is a strong interest by the developer to purchase the library's current site. The City believes with a strong partnership we could find a location in the community that may better serve the future needs of Park Grove Library. It is the City of Cottage Grove's hope that together we can find a location that would provide the synergy that the County desires for a library. We would encourage more funds to be allocated for engagement efforts and design services in preparation for the 2027 bond sale.

Thank you for the opportunity to comment on the Washington County Draft 2023-2027 Capital Improvement Plan. Through the continued coordination and cooperation between Washington County and its cities, we believe as a whole we have been able to provide exceptional amenities, pedestrian facilities, and public infrastructure to enhance the experience of both our residents and visitors of the area. Successful projects are hinged on partnerships, and Cottage Grove has appreciated the partnership that has been developed with Washington County. We look forward to continuing the collaboration with Washington County to meet the capital needs in our community.

Sincerely,

Jennifer Levitt
City Administrator

CC: Washington County Commissioners
Cottage Grove City Council Members
Kevin Corbid, Washington County Administrator

City Council Action Request

Cottage Grove
Where Pride and Prosperity Meet

8A

Meeting Date	11/2/2022
Department	Finance
Agenda Category	Approve Disbursements
Title	Approve payments for the period of 10-12-2022 through 10-27-2022 in the amount of $4,250,435.52.
Staff Recommendation	
Budget Implication	N/A
Attachments	EXPENSE APPROVAL REPORT.tif 4.37MB PAYROLL CHECK REGISTER.tif 15.46KB

Cottage Grove

Expense Approval Report
By Vendor Name

Payment Dates 10/12/2022 - 10/27/2022

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN35316 - ABM EQUIPMENT LLC					
ABM EQUIPMENT LLC	14287	10/27/2022	172089-IN	SCREEN WELDMENT - 6005/34937	2,102.54
				Vendor VEN35316 - ABM EQUIPMENT LLC Total:	**2,102.54**
Vendor: VEN34910 - ACROSS THE STREET PRODUCTIONS INC					
ACROSS THE STREET PRODUC	14288	10/27/2022	INV12380	BLUE CARD ONLINE TRAINING PROGRAM-BANKEN/LINDER	346.50
ACROSS THE STREET PRODUC	14288	10/27/2022	INV12380	BLUE CARD ONLINE TRAINING PROGRAM-BANKEN/LINDER	346.50
ACROSS THE STREET PRODUC	14288	10/27/2022	INV12352	INSTRUCTOR RENEWAL/BLUE CARD CE RENEWAL	1,540.62
ACROSS THE STREET PRODUC	14288	10/27/2022	INV12352	INSTRUCTOR RENEWAL/BLUE CARD CE RENEWAL	1,540.63
				Vendor VEN34910 - ACROSS THE STREET PRODUCTIONS INC Total:	**3,774.25**
Vendor: VEN35068 - AI TECHNOLOGIES LLC					
AI TECHNOLOGIES LLC	14289	10/27/2022	20011102022	OCTOBER BENEFITS ADMINISTRATION FEES	340.00
				Vendor VEN35068 - AI TECHNOLOGIES LLC Total:	**340.00**
Vendor: VEN35015 - ALEC KOERNER					
ALEC KOERNER	217707	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	128.40
				Vendor VEN35015 - ALEC KOERNER Total:	**128.40**
Vendor: VEN30583 - ALEX AIR APPARATUS, INC					
ALEX AIR APPARATUS, INC	14290	10/27/2022	5987	COMPRESSOR REPAIR-FIRE	4,167.93
				Vendor VEN30583 - ALEX AIR APPARATUS, INC Total:	**4,167.93**
Vendor: VEN32652 - ALL SEASONS GARAGE DOOR COMPANY					
ALL SEASONS GARAGE DOOR	14291	10/27/2022	5-9309	PUT CABLE ON GARAGE DOOR DRUM - PUBLIC WORK	220.00
				Vendor VEN32652 - ALL SEASONS GARAGE DOOR COMPANY Total:	**220.00**
Vendor: VEN01289 - ALLIED BLACKTOP					
ALLIED BLACKTOP	217594	10/12/2022	8828	TRAIL FOG SEAL	3,999.00
				Vendor VEN01289 - ALLIED BLACKTOP Total:	**3,999.00**
Vendor: VEN01103 - ALLSTATE PETERBILT SALES & LEASING					
ALLSTATE PETERBILT SALES &	14292	10/27/2022	3004525902	V-BELT - 4001/34942	99.10
				Vendor VEN01103 - ALLSTATE PETERBILT SALES & LEASING Total:	**99.10**
Vendor: VEN35235 - ALTEMP MECHANICAL INC					
ALTEMP MECHANICAL INC	217646	10/19/2022	258266	CLEAN ICE MACHINE/CHECK HOT SIDE EQUIP-RIVER OAKS	795.00
ALTEMP MECHANICAL INC	217708	10/26/2022	258329	REMOVE & INSTALL THERMOPILES FOR FRYERS-RIVER OAKS	341.15
				Vendor VEN35235 - ALTEMP MECHANICAL INC Total:	**1,136.15**
Vendor: VEN33229 - AMAZON FULFILLMENT SERVICES, INC.					
AMAZON FULFILLMENT SERVI	14293	10/27/2022	1QLJ-9RCR-3R93	VIVO DESK CONVERTER WORKSTATION RISERS	179.99
AMAZON FULFILLMENT SERVI	14293	10/27/2022	1QLJ-9RCR-3R93	VIVO DESK CONVERTER WORKSTATION RISERS	179.99
AMAZON FULFILLMENT SERVI	14237	10/20/2022	1ML9-KQFF-GMPN	METALLIC GOLD CERTIFICATE SEALS-HERO	47.82
AMAZON FULFILLMENT SERVI	14186	10/13/2022	1KQ9-D6VG-R7JH	FOLDERS-EMS COMMUNITY PARAMEDIC	39.04
AMAZON FULFILLMENT SERVI	14186	10/13/2022	1RDC-D3HC-JVTF	UNIFORM PANTS-BAILEY	92.77

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
AMAZON FULFILLMENT SERVI	14186	10/13/2022	13LR-VPDR-7XDL	LIFTING CUSHION-EMS SUPPLIES	1,462.60
AMAZON FULFILLMENT SERVI	14237	10/20/2022	1GV6-R3KW-4JQ9	DISPOSABLE 3 PLY FACE MASKS-EMS SUPPLIES	171.80
AMAZON FULFILLMENT SERVI	14237	10/20/2022	1CMN-G9VM-G6XX	EYE WASH STATION/FURNITURE PADS-FIRE	49.59
AMAZON FULFILLMENT SERVI	14237	10/20/2022	1NF6-PGV3-F39Y	TOGGLE SWITCH COVER-PW	13.73
AMAZON FULFILLMENT SERVI	14293	10/27/2022	1QQ3-F1WW-6R93	PUSH PINS-SQUAD STATUS BOARD SUPPLIES	29.96
AMAZON FULFILLMENT SERVI	14293	10/27/2022	1F3K-1P1T-4Q9F	SPACE HEATER/METRIC TAPER & PLUG TAP-CITY HALL	42.18
				Vendor VEN33229 - AMAZON FULFILLMENT SERVICES, INC. Total:	**2,309.47**
Vendor: VEN01045 - AMERICAN ENGINEERING TESTING INC					
AMERICAN ENGINEERING TES	14187	10/13/2022	INV-092112	COTTAGE GROVE PONDS GEOTECHNICAL SERVICES	4,000.00
AMERICAN ENGINEERING TES	14238	10/20/2022	INV-094301	SOUTH DISTRICT SANITARY SEWER PHASE 1 TESTING SVC	259.25
AMERICAN ENGINEERING TES	14238	10/20/2022	PIP-094363	TG-P14 POND IMPROVEMENTS TESTING SVC	1,870.75
				Vendor VEN01045 - AMERICAN ENGINEERING TESTING INC Total:	**6,130.00**
Vendor: VEN31224 - AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS					
AMERICAN FAMILY LIFE ASSU	14239	10/20/2022	INV025088	10/6/22 BIWEEKLY PAYROLL 9/12/22-9/25/22	201.13
AMERICAN FAMILY LIFE ASSU	14239	10/20/2022	INV025098	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	201.13
				Vendor VEN31224 - AMERICAN FAMILY LIFE ASSURANCE COMPANY OF COLUMBUS Total:	**402.26**
Vendor: VEN36011 - ANDREW KORPI					
ANDREW KORPI	217647	10/19/2022	20221019	MEAL REIMBURSEMENTS FOR 49ER TRAINING 9/26-9/29/22	167.00
				Vendor VEN36011 - ANDREW KORPI Total:	**167.00**
Vendor: VEN31765 - ANIMAL HUMANE SOCIETY					
ANIMAL HUMANE SOCIETY	217709	10/26/2022	33711	3RD QTR 2022 IMPOUND FEE	2,216.00
				Vendor VEN31765 - ANIMAL HUMANE SOCIETY Total:	**2,216.00**
Vendor: VEN18140 - ANTHONY RICH					
ANTHONY RICH	217595	10/12/2022	20221012	UNIFORM REIMBURSEMENT	125.00
				Vendor VEN18140 - ANTHONY RICH Total:	**125.00**
Vendor: VEN01017 - ASPEN EQUIPMENT COMPANY					
ASPEN EQUIPMENT COMPAN	14188	10/13/2022	10240697	HEADLIGHT - 1503/34877	250.57
ASPEN EQUIPMENT COMPAN	14188	10/13/2022	10240782	SPRING - 1504/34889	95.60
				Vendor VEN01017 - ASPEN EQUIPMENT COMPANY Total:	**346.17**
Vendor: VEN35831 - AURORA STRATEGIC ADVISORS INC					
AURORA STRATEGIC ADVISOR	217596	10/12/2022	22-CG-9	FEDERAL LOBBYIST - SEPTEMBER 2022	3,636.36
				Vendor VEN35831 - AURORA STRATEGIC ADVISORS INC Total:	**3,636.36**
Vendor: VEN29278 - BAUER BUILT TIRE					
BAUER BUILT TIRE	217710	10/26/2022	180285592	215/75R175 TIRES - 7045/34925	841.88
BAUER BUILT TIRE	217597	10/12/2022	180285625	LT245/75R17 TIRES - STOCK ITEM	618.96
BAUER BUILT TIRE	217710	10/26/2022	518017341	MNT & DISMNT 6 TIRES, O/S LABOR - 4005/34910	3,922.33
BAUER BUILT TIRE	217710	10/26/2022	518017428	MNT & DISMNT 4 TIRES, O/S LABOR - 8603/34938	179.72
BAUER BUILT TIRE	217710	10/26/2022	180285893	LT245/75R16 TIRES - RETURNED WRONG PRICE	1,043.04
BAUER BUILT TIRE	217710	10/26/2022	180286095	LT245/75R16 TIRES - STOCK ITEM CORRECTED PRICE	551.12

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
BAUER BUILT TIRE	217710	10/26/2022	180286124	CREDIT INV# 180285893 - WRONG PRICE	-1,043.04
				Vendor VEN29278 - BAUER BUILT TIRE Total:	**6,114.01**
Vendor: VEN33625 - BAYCOM, INC					
BAYCOM, INC	14294	10/27/2022	EQUIPINV_040320	Panasonic Toughbook FZ55	5,342.00
BAYCOM, INC	14294	10/27/2022	EQUIPINV_040320	Gamber Johnson Docks	1,314.00
BAYCOM, INC	14294	10/27/2022	EQUIPINV_040320	Squad Printers - Brother PJ76	425.00
BAYCOM, INC	14294	10/27/2022	EQUIPINV_040320	Lind Power Vehicle Power	264.00
				Vendor VEN33625 - BAYCOM, INC Total:	**7,345.00**
Vendor: VEN31508 - BDG INC					
BDG INC	14189	10/13/2022	27908	BULLDOG NOZZLE	3,516.80
				Vendor VEN31508 - BDG INC Total:	**3,516.80**
Vendor: VEN02019 - BECKER ARENA PRODUCTS INC					
BECKER ARENA PRODUCTS IN	14190	10/13/2022	606405	GLACIAL VALLEY PARK DEPOSI	25,000.00
				Vendor VEN02019 - BECKER ARENA PRODUCTS INC Total:	**25,000.00**
Vendor: VEN34204 - BENEFIT EXTRAS, INC.					
BENEFIT EXTRAS, INC.	14240	10/20/2022	111359	OCT FEES - COBRA/RETIREE BILLING/HRA & FLEX ADMIN	867.25
				Vendor VEN34204 - BENEFIT EXTRAS, INC. Total:	**867.25**
Vendor: VEN32557 - BG AUTOMOTIVE INC					
BG AUTOMOTIVE INC	14191	10/13/2022	PI0037851	ADDITIVES & LUBRICANTS - STOCK ITEM	79.05
				Vendor VEN32557 - BG AUTOMOTIVE INC Total:	**79.05**
Vendor: VEN35453 - BIX PRODUCE COMPANY LLC					
BIX PRODUCE COMPANY LLC	14192	10/13/2022	5524994	FOOD FOR CLUBHOUSE	191.10
BIX PRODUCE COMPANY LLC	14192	10/13/2022	5527966	FOOD FOR CLUBHOUSE	199.93
BIX PRODUCE COMPANY LLC	14241	10/20/2022	5533169	FOOD FOR CLUBHOUSE	186.96
BIX PRODUCE COMPANY LLC	14295	10/27/2022	5540565	FOOD FOR CLUBHOUSE	396.10
				Vendor VEN35453 - BIX PRODUCE COMPANY LLC Total:	**974.09**
Vendor: VEN31447 - BOLTON & MENK, INC					
BOLTON & MENK, INC	14242	10/20/2022	297417	2020 HAMLET PARK EXPANSION SVCS 7/23/22-9/2/22	151.00
BOLTON & MENK, INC	14242	10/20/2022	297418	2022 PARK MASTER PLANNING SVCS 7/23/22-9/2/	2,791.50
BOLTON & MENK, INC	14242	10/20/2022	297419	2023 PAVEMENT MANAGEMENT SVCS 7/23/22 -9/2/22	10,232.50
BOLTON & MENK, INC	14242	10/20/2022	297420	3M CLARIFIER PROJECT SVCS 7/23/22-9/2/22	5,234.50
BOLTON & MENK, INC	14242	10/20/2022	297421	95TH JAMAICA SITE SVCS 7/23/22-9/2/22	5,366.50
BOLTON & MENK, INC	14242	10/20/2022	297422	ANDERSEN OPUS EXPANSION SVCS 7/23/22-9/2/22	165.00
BOLTON & MENK, INC	14242	10/20/2022	297423	ANDERSEN RENEWAL EXPANSION SVCS 7/23/22-9/2/22	5,952.00
BOLTON & MENK, INC	14242	10/20/2022	297424	BAILEY DEVELOPMENT SVCS 7/23/22-9/2/22	1,530.00
BOLTON & MENK, INC	14242	10/20/2022	297425	CARDINAL RESERVE SVCS 7/23/22-9/2/22	5,166.50
BOLTON & MENK, INC	14242	10/20/2022	297426	COMP SANITARY SEWER PLAN SVCS 7/23/22-9/2/22	9,216.50
BOLTON & MENK, INC	14242	10/20/2022	297427	EASTBROOKE SVCS 7/23/22-9/2/22	656.00
BOLTON & MENK, INC	14242	10/20/2022	297428	2022 FWD TESTING SVCS 7/23/22-9/2/22	1,983.00
BOLTON & MENK, INC	14242	10/20/2022	297428	2021 POND MAINTENANCE SVCS 7/23/22-9/2/22	54.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
BOLTON & MENK, INC	14242	10/20/2022	297428	JAMAICA-100TH PARCEL STORMWATER SVC 7/23/22-9/2/22	2,705.00
BOLTON & MENK, INC	14242	10/20/2022	297428	LAMAR AVENUE EROSION REPAIR SVCS 7/23/22-9/2/22	582.00
BOLTON & MENK, INC	14242	10/20/2022	297428	PANERA & CANES SITE CONCEPTS SVCS 7/23/22-9/2/22	1,885.00
BOLTON & MENK, INC	14242	10/20/2022	297428	EAST RAVINE STORMWATER AREA CHARGE SVC 7/23-9/2/22	1,729.00
BOLTON & MENK, INC	14242	10/20/2022	297428	HIGH ZONE WATER MAP SVCS 7/23/22-9/2/22	132.50
BOLTON & MENK, INC	14242	10/20/2022	297428	80TH STREET SIGNAL ADJUSTMENTS SVCS 7/23/22-9/2/22	480.00
BOLTON & MENK, INC	14242	10/20/2022	297428	HARDWOOD AVE & CT INTERSECTION SVCS 7/23/22-9/2/22	1,540.00
BOLTON & MENK, INC	14242	10/20/2022	297428	6850 EAST POINT DOUGLAS ROAD SVCS 7/23/22-9/2/22	828.00
BOLTON & MENK, INC	14242	10/20/2022	297429	GIS PROJECT UPDATES SVCS 7/23/22-9/2/22	1,080.00
BOLTON & MENK, INC	14242	10/20/2022	297430	GLACIAL VALLEY ESTATES SVCS 7/23/22-9/2/22	1,884.00
BOLTON & MENK, INC	14242	10/20/2022	297431	GLACIAL VALLEY ESTATES 2ND SVCS 7/23/22-9/2/22	5,414.00
BOLTON & MENK, INC	14242	10/20/2022	297433	GLACIAL VALLEY PARK PH 1 SVCS 7/23/22-9/2/22	41,253.50
BOLTON & MENK, INC	14242	10/20/2022	297434	HAMLET PARK EXP PHASE 3 SVCS 7/23/22-9/2/22	837.50
BOLTON & MENK, INC	14242	10/20/2022	297435	HAWTHORNE SVCS 7/23/22-9/2/22	1,188.00
BOLTON & MENK, INC	14242	10/20/2022	297436	HAWTHORNE 2ND ADDITION SVCS 7/23/22-9/2/22	43,869.00
BOLTON & MENK, INC	14242	10/20/2022	297438	HEMINGWAY INDUSTRIAL SVCS 7/23/22-9/2/22	7,240.00
BOLTON & MENK, INC	14242	10/20/2022	297441	HIGH POINTE SVCS 7/23/22-9/2/22	3,368.00
BOLTON & MENK, INC	14242	10/20/2022	297443	HIGH POINTE 2ND ADDITION SVCS 7/23/22-9/2/22	2,334.00
BOLTON & MENK, INC	14242	10/20/2022	297444	HINTON WOODS SVCS 7/23/22-9/2/22	16,043.50
BOLTON & MENK, INC	14242	10/20/2022	297447	HINTON WOODS 2ND SVCS 7/23/22-9/2/22	18,443.00
BOLTON & MENK, INC	14242	10/20/2022	297448	JAMAICA AVENUE EAST POINT SVCS 7/23/22-9/2/22	94,091.51
BOLTON & MENK, INC	14242	10/20/2022	297449	LAKE ROBERT OUTLET SVCS 7/23/22-9/2/22	702.50
BOLTON & MENK, INC	14242	10/20/2022	297450	LANGDON HILLS SVCS 7/23/22-9/2/22	165.00
BOLTON & MENK, INC	14242	10/20/2022	297451	LEAFLINE EXPANSION SVCS 7/23/22-9/2/22	285.50
BOLTON & MENK, INC	14242	10/20/2022	297452	L-P3 POND IMPROVEMENTS SVCS 7/23/22-9/2/22	4,660.00
BOLTON & MENK, INC	14242	10/20/2022	297453	MCHATTIE LANDING SVCS 7/23/22-9/2/22	78.50
BOLTON & MENK, INC	14242	10/20/2022	297454	MICHAEL'S POINTE SVCS 7/23/22-9/2/22	1,273.00
BOLTON & MENK, INC	14242	10/20/2022	297456	MISSISSIPPI LANDING SVCS 7/23/22-9/2/22	561.50
BOLTON & MENK, INC	14242	10/20/2022	297458	NORTHWICK PARK SVCS 7/23/22-9/2/22	403.50
BOLTON & MENK, INC	14242	10/20/2022	297461	NORTHWICK PARK 2ND ADD SVCS 7/23/22-9/2/22	378.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
BOLTON & MENK, INC	14242	10/20/2022	297464	OAKWOOD PARK IMPROVEMENTS SVCS 7/23/22-9/2/22	165.00
BOLTON & MENK, INC	14242	10/20/2022	297465	OFFICE HOURS SVCS 7/23/22-9/2/22	11,346.50
BOLTON & MENK, INC	14242	10/20/2022	297475	PARKVIEW POINTE FINAL ST SVCS 7/23/22-9/2/22	15,947.00
BOLTON & MENK, INC	14242	10/20/2022	297487	PILLAI BUILDERS SVCS 7/23/22-9/2/22	448.00
BOLTON & MENK, INC	14242	10/20/2022	297489	RAVINE MEADOWS SVCS 7/23/22-9/2/22	412.50
BOLTON & MENK, INC	14242	10/20/2022	297490	ROLLING MEADOWS SVCS 7/23/22-9/2/22	967.50
BOLTON & MENK, INC	14242	10/20/2022	297495	SETTLERS BLUFF SVCS 7/23/22-9/2/22	6,215.00
BOLTON & MENK, INC	14242	10/20/2022	297507	SETTLERS BLUFF 2ND ADDITION SVCS 7/23/22-9/2/22	6,560.50
BOLTON & MENK, INC	14242	10/20/2022	297510	SHOPPES AT COTTAGE VIEW SVCS 7/23/22-9/2/22	7,166.00
BOLTON & MENK, INC	14242	10/20/2022	297511	SOUTH DISTRICT TRUNK SEWER SVCS 7/23/22-9/2/22	9,627.50
BOLTON & MENK, INC	14242	10/20/2022	297514	SOUTH DISTRICT TRUNK STORM SVCS 7/23/22-9/2/22	1,990.00
BOLTON & MENK, INC	14242	10/20/2022	297515	SOUTHWEST ARTERIAL SVCS 7/23/22-9/2/22	2,450.00
BOLTON & MENK, INC	14242	10/20/2022	297517	TG-P14 POND IMPROVEMENTS SVCS 7/23/2	1,699.00
BOLTON & MENK, INC	14242	10/20/2022	297520	THAI GARDEN-TRUNK STORM SEWER SVCS 7/23/22-9/2/22	2,655.00
BOLTON & MENK, INC	14242	10/20/2022	297520	THAI GARDEN SVCS 7/23/22-9/2/22	6,666.50
BOLTON & MENK, INC	14242	10/20/2022	297526	WEBER-OPPIDAN DEVELOPMENT SVCS 7/23/22 -9/2/22	1,031.00
BOLTON & MENK, INC	14242	10/20/2022	297534	WOODWARD PONDS SVCS 7/23/22-9/2/22	165.00
BOLTON & MENK, INC	14242	10/20/2022	297535	WOODWARD PONDS 2ND ADD SVCS 7/23/22-9/2/22	657.00
				Vendor VEN31447 - BOLTON & MENK, INC Total:	**380,103.01**
Vendor: VEN02288 - BOUND TREE MEDICAL, LLC					
BOUND TREE MEDICAL, LLC	14193	10/13/2022	84685566	EMS SUPPLIES	658.34
BOUND TREE MEDICAL, LLC	14193	10/13/2022	84687365	EMS SUPPLIES	390.42
BOUND TREE MEDICAL, LLC	14193	10/13/2022	84691066	EMS SUPPLIES	345.83
BOUND TREE MEDICAL, LLC	14247	10/20/2022	84696564	EMS SUPPLIES	140.99
BOUND TREE MEDICAL, LLC	14247	10/20/2022	84696565	EMS SUPPLIES	18.78
BOUND TREE MEDICAL, LLC	14247	10/20/2022	84698333	EMS SUPPLIES	704.20
				Vendor VEN02288 - BOUND TREE MEDICAL, LLC Total:	**2,258.56**
Vendor: VEN02005 - BOYER FORD TRUCKS INC					
BOYER FORD TRUCKS INC	14194	10/13/2022	7P39513	CREDIT INV# 7P39033 - SEAL	-163.88
BOYER FORD TRUCKS INC	14194	10/13/2022	7P42240	AIR FILTER - STOCK ITEM	171.79
BOYER FORD TRUCKS INC	14248	10/20/2022	7P42611	AIR FILTERS - STOCK ITEM	982.51
				Vendor VEN02005 - BOYER FORD TRUCKS INC Total:	**990.42**
Vendor: VEN02306 - BRAUN INTERTEC CORPORATION					
BRAUN INTERTEC CORPORATI	14296	10/27/2022	B312301	L-P3 POND IMPROVEMENTS GEO SVCS THRU 9/24/22	19,352.00
				Vendor VEN02306 - BRAUN INTERTEC CORPORATION Total:	**19,352.00**
Vendor: VEN35273 - BREAKTHRU BEVERAGE MINNESOTA BEER LLC					
BREAKTHRU BEVERAGE MINN	217598	10/12/2022	345754132	BEER FOR CLUBHOUSE	579.80
BREAKTHRU BEVERAGE MINN	217648	10/19/2022	345839379	BEER FOR CLUBHOUSE	344.40
BREAKTHRU BEVERAGE MINN	217711	10/26/2022	345933535	BEER FOR CLUBHOUSE	448.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
BREAKTHRU BEVERAGE MINN	217711	10/26/2022	345934017	BEER FOR CLUBHOUSE	477.80
				Vendor VEN35273 - BREAKTHRU BEVERAGE MINNESOTA BEER LLC Total:	**1,850.00**
Vendor: VEN32404 - BRIAN CAMPBELL					
BRIAN CAMPBELL	217649	10/19/2022	20221019	REIMBURSEMENTS FOR ECKBERG LAMMERS CONFERENCE	493.31
				Vendor VEN32404 - BRIAN CAMPBELL Total:	**493.31**
Vendor: VEN33107 - BURGGRAF'S ACE HARDWARE OF COTTAGE GROVE CO.					
BURGGRAF'S ACE HARDWARE	217599	10/12/2022	4861	ELECTRICAL TAPE/WIRE CONNECTORS-STREETLIGHTS	58.93
BURGGRAF'S ACE HARDWARE	217599	10/12/2022	4862	WASP & HORNET SPRAY/CABLE TIES/FASTENERS	39.85
BURGGRAF'S ACE HARDWARE	217650	10/19/2022	4871	KEY-HERO	5.98
BURGGRAF'S ACE HARDWARE	217650	10/19/2022	4875	FASTENERS/SQUEEGEE/SCRE W-UTILITIES	94.26
BURGGRAF'S ACE HARDWARE	217650	10/19/2022	4876	HOLE SAW KIT-UTILITIES	116.98
BURGGRAF'S ACE HARDWARE	217712	10/26/2022	4893	KEYS-PARKS	3.59
BURGGRAF'S ACE HARDWARE	217712	10/26/2022	4894	HOSE/COUPLER/CLAMP/PEX PIPE-WATER	39.92
				Vendor VEN33107 - BURGGRAF'S ACE HARDWARE OF COTTAGE GROVE CO. Total:	**359.51**
Vendor: VEN03436 - C & E AUTO UPHOLSTERY					
C & E AUTO UPHOLSTERY	14195	10/13/2022	25410	RPL CLOTH PANELS - 4203/34857	225.00
				Vendor VEN03436 - C & E AUTO UPHOLSTERY Total:	**225.00**
Vendor: VEN03467 - C & H SPORT SURFACES, INC.					
C & H SPORT SURFACES, INC.	217600	10/12/2022	3922	HEARTHSIDE TENNIS & BBALL NEW ASPHALT	7,000.00
				Vendor VEN03467 - C & H SPORT SURFACES, INC. Total:	**7,000.00**
Vendor: VEN34968 - CALIBER HOLDINGS CORPORATION					
CALIBER HOLDINGS CORPORA	14249	10/20/2022	3364002085	CLM# CA234718 - FA3164 REPAIRS #1408/34863	2,510.50
				Vendor VEN34968 - CALIBER HOLDINGS CORPORATION Total:	**2,510.50**
Vendor: VEN03001 - CALLAWAY GOLF					
CALLAWAY GOLF	217601	10/12/2022	935112648	PROSHOP MERCHANDISE	244.20
CALLAWAY GOLF	217713	10/26/2022	935183026	PROSHOP MERCHANDISE	114.40
CALLAWAY GOLF	217713	10/26/2022	935185019	PROSHOP MERCHANDISE	488.40
CALLAWAY GOLF	217601	10/12/2022	935420945	PROSHOP MERCHANDISE	359.28
CALLAWAY GOLF	217601	10/12/2022	935420948	PROSHOP MERCHANDISE	234.54
CALLAWAY GOLF	217713	10/26/2022	935459995	PROSHOP MERCHANDISE	227.78
				Vendor VEN03001 - CALLAWAY GOLF Total:	**1,668.60**
Vendor: VEN14448 - CAPITAL ONE TRADE CREDIT					
CAPITAL ONE TRADE CREDIT	14297	10/27/2022	563109535	1 TON MANUAL CHAIN HOIST-LIFT STATION	89.99
				Vendor VEN14448 - CAPITAL ONE TRADE CREDIT Total:	**89.99**
Vendor: VEN32194 - CAPSTONE HOMES, INC					
CAPSTONE HOMES, INC	14298	10/27/2022	20221026-1	REFUND ESCROW - 10219 GREYSTONE CIR S	5,065.00
CAPSTONE HOMES, INC	14298	10/27/2022	20221026-2	REFUND ESCROW - 10227 GREYSTONE CIR S	5,065.00
CAPSTONE HOMES, INC	14298	10/27/2022	20221026-3	REFUND ESCROW - 10211 GREYSTONE CIR S	5,065.00
				Vendor VEN32194 - CAPSTONE HOMES, INC Total:	**15,195.00**
Vendor: VEN35878 - CARAHSOFT TECHNOLOGY CORPORATION					
CARAHSOFT TECHNOLOGY CO	217714	10/26/2022	IN1247357	SMS for FTK Renewal	1,300.51
				Vendor VEN35878 - CARAHSOFT TECHNOLOGY CORPORATION Total:	**1,300.51**
Vendor: VEN03362 - CARLSON AUTO SERVICE & REPAIR					
CARLSON AUTO SERVICE & RE	14196	10/13/2022	53682	ABS BRAKE REPAIR - 1004/34848	997.74
CARLSON AUTO SERVICE & RE	14250	10/20/2022	53784	PM SERVICE - 5001/34918	51.15

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
CARLSON AUTO SERVICE & RE	14299	10/27/2022	53857	OIL CHANGE PM SERVICE - 1701/34940	59.99
CARLSON AUTO SERVICE & RE	14299	10/27/2022	53860	OIL CHANGE PM SERVICE - 1403/34944	55.57
CARLSON AUTO SERVICE & RE	14299	10/27/2022	53880	OIL CHANGE PM SERVICE & ROTATE TIRES - 1558/34952	82.09
				Vendor VEN03362 - CARLSON AUTO SERVICE & REPAIR Total:	**1,246.54**
Vendor: VEN03922 - CENTERPOINT ENERGY					
CENTERPOINT ENERGY	217651	10/19/2022	20221003	FIRE #3 GAS USAGE 8/24/22-9/22/22	34.54
CENTERPOINT ENERGY	217651	10/19/2022	20221003	LAMAR PARK BLDG GAS USAGE 8/24/22-9/22/22	21.75
CENTERPOINT ENERGY	217651	10/19/2022	20221003	WARMING HOUSE GAS USAGE 8/24/22-9/22/22	21.75
CENTERPOINT ENERGY	217651	10/19/2022	20221003	PW STORAGE BLDG GAS USAGE 8/24/22-9/22/22	51.03
CENTERPOINT ENERGY	217651	10/19/2022	20221003	RIVER OAKS PRO SHOP GAS USAGE 8/24/22-9/22/22	50.38
CENTERPOINT ENERGY	217651	10/19/2022	20221003	RIVER OAKS MAINT BLDG GAS USAGE 8/24/22-9/22/22	41.51
CENTERPOINT ENERGY	217651	10/19/2022	20221003	CLUBHOUSE GAS USAGE 8/24/22-9/22/22	751.66
				Vendor VEN03922 - CENTERPOINT ENERGY Total:	**972.62**
Vendor: VEN35388 - CENTRAL MCGOWAN INC					
CENTRAL MCGOWAN INC	14300	10/27/2022	633525	CO2/NITROGEN CYLINDER RENTAL	172.63
				Vendor VEN35388 - CENTRAL MCGOWAN INC Total:	**172.63**
Vendor: VEN03059 - CENTURY COLLEGE					
CENTURY COLLEGE	14197	10/13/2022	1082328	FIRE INSPECTOR I-OHRT	525.00
				Vendor VEN03059 - CENTURY COLLEGE Total:	**525.00**
Vendor: VEN29526 - CENTURY LINK					
CENTURY LINK	217602	10/12/2022	20220928-1	OCT ACCT 651 458-8074 011	134.73
CENTURY LINK	217602	10/12/2022	20220928-2	OCT ACCT 651 459-2560 545	178.30
CENTURY LINK	217602	10/12/2022	20220928-3	OCT ACCT 651 459-8124 217	63.37
CENTURY LINK	217602	10/12/2022	20220928-4	OCT ACCT 651 459-8128 529	63.37
CENTURY LINK	217602	10/12/2022	20220928-5	OCT ACCT 651 458-2946 864	102.06
CENTURY LINK	217602	10/12/2022	20220928-5	OCT ACCT 651 458-2946 864	189.53
CENTURY LINK	217602	10/12/2022	20220928-6	OCT ACCT 651 459-2197 218	80.72
CENTURY LINK	217602	10/12/2022	20220928-7	OCT ACCT 651 459-3912 290	335.73
CENTURY LINK	217602	10/12/2022	20220928-8	OCT ACCT 651 459-9499 123	228.58
CENTURY LINK	217602	10/12/2022	20221001-1	OCT ACCT 651 769-1028 761	172.97
CENTURY LINK	217602	10/12/2022	20221001-2	OCT ACCT 612 E12-8029 542	530.00
CENTURY LINK	217652	10/19/2022	612287546	SEPTEMBER LONG DISTANCE	2.76
CENTURY LINK	217652	10/19/2022	612287546	SEPTEMBER LONG DISTANCE	2.59
CENTURY LINK	217652	10/19/2022	612287546	SEPTEMBER LONG DISTANCE	2.59
CENTURY LINK	217652	10/19/2022	612287546	SEPTEMBER LONG DISTANCE	26.59
				Vendor VEN29526 - CENTURY LINK Total:	**2,113.89**
Vendor: VEN32937 - CHRISTINE COSTELLO					
CHRISTINE COSTELLO	217715	10/26/2022	20221026	REIMBURSE MEAL FOR PLANNING COMMISSION WORKSHOP	209.84
				Vendor VEN32937 - CHRISTINE COSTELLO Total:	**209.84**
Vendor: VEN33565 - CINTAS CORPORATION NO. 2					
CINTAS CORPORATION NO. 2	14198	10/13/2022	4131783685	PW UNIFORM SVC	6.13
CINTAS CORPORATION NO. 2	14198	10/13/2022	4131783685	PW UNIFORM SVC	32.30
CINTAS CORPORATION NO. 2	14198	10/13/2022	4131931903	SHOP TOWEL - PAPER CART - RIVER OAKS UNIFORM SVC	47.22
CINTAS CORPORATION NO. 2	14251	10/20/2022	4132464710	MAT SERVICE - CENTRAL FIRE	129.62
CINTAS CORPORATION NO. 2	14252	10/20/2022	4132464836	PW UNIFORM SVC	6.13
CINTAS CORPORATION NO. 2	14252	10/20/2022	4132464836	PW UNIFORM SVC	32.30

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
CINTAS CORPORATION NO. 2	14252	10/20/2022	4132620572	SHOP TWL - PAPER CRT - RIVER OAKS UNIFORM SVC	56.44
CINTAS CORPORATION NO. 2	14301	10/27/2022	4133167079	MAT SERVICE - ICE ARENA	60.40
CINTAS CORPORATION NO. 2	14198	10/13/2022	4133167221	SHOP TWL - AIR SVC - HD SCRB SVC - SOAP	17.50
CINTAS CORPORATION NO. 2	14198	10/13/2022	4133167221	SHOP TWL - AIR SVC - HD SCRB SVC - SOAP	17.50
CINTAS CORPORATION NO. 2	14301	10/27/2022	4133167263	PW UNIFORM SVC	6.13
CINTAS CORPORATION NO. 2	14301	10/27/2022	4133167263	PW UNIFORM SVC	32.30
CINTAS CORPORATION NO. 2	14301	10/27/2022	4133306640	SHOP TOWEL - RIVER OAKS UNIFORM SVC	37.43
CINTAS CORPORATION NO. 2	14252	10/20/2022	4133831612	SHOP TWL - CART - SHELL SHOCK - SCRB SVC	17.50
CINTAS CORPORATION NO. 2	14252	10/20/2022	4133831612	SHOP TWL - CART - SHELL SHOCK - SCRB SVC	17.50
CINTAS CORPORATION NO. 2	14301	10/27/2022	4134502720	SHOP TWL - CART - HD SCRB SVC	17.50
CINTAS CORPORATION NO. 2	14301	10/27/2022	4134502720	SHOP TWL - CART - HD SCRB SVC	17.50
				Vendor VEN33565 - CINTAS CORPORATION NO. 2 Total:	**551.40**
Vendor: VEN03954 - CINTAS FIRST AID & SAFETY					
CINTAS FIRST AID & SAFETY	14302	10/27/2022	5127290931	FIRST AID KIT SUPPLIES-RIVER OAKS MAINTENANCE BLDG	127.70
				Vendor VEN03954 - CINTAS FIRST AID & SAFETY Total:	**127.70**
Vendor: VEN03907 - CITY OF ST PAUL					
CITY OF ST PAUL	217653	10/19/2022	IN50852	CANINE BOARDING-SCOUT 8/13/22-8/14/22	35.00
CITY OF ST PAUL	217716	10/26/2022	IN50897	PDI COURSE LEADING WITHOUT RANK-J.PIERRE	200.00
CITY OF ST PAUL	217716	10/26/2022	IN51119	ASPHALT MIX - 17 TONS	1,137.81
				Vendor VEN03907 - CITY OF ST PAUL Total:	**1,372.81**
Vendor: VEN03062 - CLEVELAND GOLF / SRIXON					
CLEVELAND GOLF / SRIXON	217717	10/26/2022	7052533 SO	PROSHOP MERCHANDISE	60.00
				Vendor VEN03062 - CLEVELAND GOLF / SRIXON Total:	**60.00**
Vendor: VEN03183 - COLLEGE CITY BEVERAGE, INC.					
COLLEGE CITY BEVERAGE, INC	14199	10/13/2022	835222	BEER FOR CLUBHOUSE	989.70
				Vendor VEN03183 - COLLEGE CITY BEVERAGE, INC. Total:	**989.70**
Vendor: VEN32389 - COMCAST					
COMCAST	217604	10/12/2022	20221001-1	HERO CENTER ACCT# 8772105760380879 10/4/22-11/3/22	155.40
COMCAST	217604	10/12/2022	20221001-2	ICE ARENA ACCT# 8772105760336376 10/5/22-11/4/22	396.32
COMCAST	217654	10/19/2022	20221004	ICE ARENA CABLE SVC 10/14/22-11/13/22	38.01
COMCAST	217654	10/19/2022	20221004	CLUBHOUSE CABLE SVC 10/14/22-11/13/22	957.39
COMCAST	217654	10/19/2022	20221004	MAINT SHED CABLE SVC 10/14/22-11/13/22	214.29
COMCAST	217654	10/19/2022	20221004	PW CABLE SVC 10/14/22-11/13/22	134.85
COMCAST	217654	10/19/2022	20221004	FIRE CABLE SVC 10/14/22-11/13/22	63.36
COMCAST	217654	10/19/2022	20221004	PSCH CABLE SVC 10/14/22-11/13/22	479.67
COMCAST	217654	10/19/2022	20221008	CENTRAL FIRE ACCT# 8772105760347241 10/13-11/12/22	84.76
				Vendor VEN32389 - COMCAST Total:	**2,524.05**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN34844 - COMPUTER INTEGRATION TECHNOLOGIES INC					
COMPUTER INTEGRATION TEC	14200	10/13/2022	334892	SQL Server Upgrade Tyler Incode	3,586.00
COMPUTER INTEGRATION TEC	14200	10/13/2022	CM329383	CREDIT INV# 330160 - SURFACE KEYBOARDS	-336.00
COMPUTER INTEGRATION TEC	14200	10/13/2022	335789	SQL Server Upgrade Tyler Incode	3,586.00
				Vendor VEN34844 - COMPUTER INTEGRATION TECHNOLOGIES INC Total:	**6,836.00**
Vendor: VEN03037 - COTTAGE GROVE AREA CHAMBER OF COMMERCE					
COTTAGE GROVE AREA CHAM	14303	10/27/2022	7154	EVENING OF EXCELLENCE-THIEDE/OLSEN/KHAMBATA	180.00
				Vendor VEN03037 - COTTAGE GROVE AREA CHAMBER OF COMMERCE Total:	**180.00**
Vendor: VEN34280 - COTTAGE GROVE PUBLIC SAFETY BOARD					
COTTAGE GROVE PUBLIC SAFE	217718	10/26/2022	20221026	BALANCE OF PUBLIC SAFETY BOARD GOLF TOURNAMENT	3,309.68
				Vendor VEN34280 - COTTAGE GROVE PUBLIC SAFETY BOARD Total:	**3,309.68**
Vendor: VEN03011 - CRYSTEEL TRUCK EQUIPMENT INC					
CRYSTEEL TRUCK EQUIPMENT	14304	10/27/2022	FP187493	KICKSTAND FOR PLOW - STOCK ITEM	84.88
				Vendor VEN03011 - CRYSTEEL TRUCK EQUIPMENT INC Total:	**84.88**
Vendor: VEN03012 - CUB FOODS					
CUB FOODS	217655	10/19/2022	20220929	JARS FOR WATER SAMPLES-UTILITIES	15.98
CUB FOODS	217719	10/26/2022	20221005	BEVERAGES FOR CLUBHOUSE	36.66
				Vendor VEN03012 - CUB FOODS Total:	**52.64**
Vendor: VEN03013 - CULLIGAN-MILBERT COMPANY					
CULLIGAN-MILBERT COMPAN	217656	10/19/2022	157X01409205	SOLAR SALT-CLUBHOUSE	88.05
CULLIGAN-MILBERT COMPAN	217656	10/19/2022	157X01422109	SOLAR SALT-PRO SHOP	58.70
				Vendor VEN03013 - CULLIGAN-MILBERT COMPANY Total:	**146.75**
Vendor: VEN30349 - DAKOTA COUNTY ABSTRACT CO					
DAKOTA COUNTY ABSTRACT C	217720	10/26/2022	54026	TITLE WORK UPDATE FEES - E PT DOUGLAS & JAMAICA	1,300.00
				Vendor VEN30349 - DAKOTA COUNTY ABSTRACT CO Total:	**1,300.00**
Vendor: VEN04013 - DAKOTA COUNTY TECHNICAL COLLEGE					
DAKOTA COUNTY TECHNICAL	217721	10/26/2022	1066908	PURSUIT & PIT/TVI REFRESHER-N.BAILEY/R.PIERR	600.00
DAKOTA COUNTY TECHNICAL	217721	10/26/2022	1074075	PURSUIT & PIT/TVI REFRESH-J.PIERRE/SORGAARD/GRAFF	900.00
DAKOTA COUNTY TECHNICAL	217721	10/26/2022	1085367	PURSUIT & PIT/TVI REFRESHER-WYLIE/DAVICK/J.T	900.00
DAKOTA COUNTY TECHNICAL	217721	10/26/2022	1085370	PURSUIT & PIT/TVI REFRESHER-FOOTE	300.00
				Vendor VEN04013 - DAKOTA COUNTY TECHNICAL COLLEGE Total:	**2,700.00**
Vendor: VEN36015 - DAN KREUSER					
DAN KREUSER	217657	10/19/2022	20221019	MEAL REIMBURSEMENTS FOR 49ER TRAINING 9/26-9/29/22	185.21
				Vendor VEN36015 - DAN KREUSER Total:	**185.21**
Vendor: VEN36008 - DANIELLE RITTER					
DANIELLE RITTER	217658	10/19/2022	2	DOUBLE SIDED CAN KOOZIE SUBLIMINATION	300.00
				Vendor VEN36008 - DANIELLE RITTER Total:	**300.00**
Vendor: VEN34463 - DARTS					
DARTS	217722	10/26/2022	20221015	VISIONARY SPONSOR CG BUS LOOP JUL-SEP 2022	6,250.00
				Vendor VEN34463 - DARTS Total:	**6,250.00**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN34041 - DAVID LEE PELTIER JR					
DAVID LEE PELTIER JR	14253	10/20/2022	1397	REPAIR OUTAGE ON DIGITAL TILE-ICE ARENA SIGN	350.00
				Vendor VEN34041 - DAVID LEE PELTIER JR Total:	**350.00**
Vendor: VEN36017 - DAVID ROELLER					
DAVID ROELLER	217723	10/26/2022	20221026	REFUND UB ACCT# 102263168 - 8563 IVAN AVE S	42.63
				Vendor VEN36017 - DAVID ROELLER Total:	**42.63**
Vendor: VEN04249 - DELTA DENTAL PLAN OF MN					
DELTA DENTAL PLAN OF MN	217724	10/26/2022	CNS0001087963	COBRA PREMIUM-NOVEMBER 2022	370.14
DELTA DENTAL PLAN OF MN	217724	10/26/2022	CNS0001087963	EMPLOYER PREMIUM-NOVEMBER 2022	6,021.78
DELTA DENTAL PLAN OF MN	217724	10/26/2022	CNS0001087963	EMPLOYEE PREMIUM-NOVEMBER 2022	3,249.88
				Vendor VEN04249 - DELTA DENTAL PLAN OF MN Total:	**9,641.80**
Vendor: VEN34023 - DEM-CON COMPANIES					
DEM-CON COMPANIES	217725	10/26/2022	17150	10YD SWITCH CONSTRUCTION & DEMOLITION-OAKWOOD PAR	435.48
DEM-CON COMPANIES	217725	10/26/2022	18796	10YD SWITCH CONSTRUCTION & DEMOLITION-OAKWOOD PAR	433.00
				Vendor VEN34023 - DEM-CON COMPANIES Total:	**868.48**
Vendor: VEN30830 - DENMARK TOWNSHIP					
DENMARK TOWNSHIP	14201	10/13/2022	20220930	3RD QTR 2022 BLDG PERMIT REVENUE	12,686.72
				Vendor VEN30830 - DENMARK TOWNSHIP Total:	**12,686.72**
Vendor: VEN33026 - DISTINCTIVE DESIGN BUILD LLC					
DISTINCTIVE DESIGN BUILD LL	217659	10/19/2022	20220928-1	REFUND ESCROW - 7437 63RD ST S	5,495.00
DISTINCTIVE DESIGN BUILD LL	217659	10/19/2022	20220928-2	REFUND ESCROW - 6276 HARKNESS AVE S	5,495.00
DISTINCTIVE DESIGN BUILD LL	217659	10/19/2022	20220928-3	REFUND ESCROW - 7468 63RD ST S	5,495.00
				Vendor VEN33026 - DISTINCTIVE DESIGN BUILD LLC Total:	**16,485.00**
Vendor: VEN34123 - DSM EXCAVATING CO, INC					
DSM EXCAVATING CO, INC	217726	10/26/2022	131030	FINAL GRADE EXCAVATION - OAKWOOD PARK SHELTER	980.00
				Vendor VEN34123 - DSM EXCAVATING CO, INC Total:	**980.00**
Vendor: VEN36013 - DYLAN COULTER					
DYLAN COULTER	217660	10/19/2022	20221019	MEAL REIMBURSEMENTS FOR 49ER TRAINING 9/26-9/29/22	119.95
				Vendor VEN36013 - DYLAN COULTER Total:	**119.95**
Vendor: VEN05003 - EARL F ANDERSEN, INC.					
EARL F ANDERSEN, INC.	217661	10/19/2022	130980-IN	END OF ROAD BARRICADE/CHANNEL POSTS-SIGN SHOP	1,473.20
				Vendor VEN05003 - EARL F ANDERSEN, INC. Total:	**1,473.20**
Vendor: VEN05004 - ED'S TROPHIES INC					
ED'S TROPHIES INC	217605	10/12/2022	5049	NAME PLATES-PUBLIC WORKS	84.00
ED'S TROPHIES INC	217662	10/19/2022	3641	2 SILVER MAILBOX NAME PLATES W/BLACK LETTERS-PD	6.00
ED'S TROPHIES INC	217605	10/12/2022	5090	NAME BADGE-JAKES	5.50
ED'S TROPHIES INC	217605	10/12/2022	5125	NAME BADGE-LEVITT	5.50
ED'S TROPHIES INC	217605	10/12/2022	5141	UPDATE PLATE-DOCKTER	6.00
				Vendor VEN05004 - ED'S TROPHIES INC Total:	**107.00**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN05014 - EHLERS AND ASSOCIATES INC					
EHLERS AND ASSOCIATES INC	217663	10/19/2022	91996	2022 FINANCIAL MANAGEMENT PLAN THRU 9/30/22	4,615.00
				Vendor VEN05014 - EHLERS AND ASSOCIATES INC Total:	**4,615.00**
Vendor: VEN06020 - ELLIOTT AUTO SUPPLY					
ELLIOTT AUTO SUPPLY	14202	10/13/2022	74-298633	AIR FILTER - STOCK ITEM	12.87
ELLIOTT AUTO SUPPLY	14254	10/20/2022	1-8031470	AIR FILTER - RETURNED	76.53
ELLIOTT AUTO SUPPLY	14202	10/13/2022	1-Z30501	BATTERIES - STOCK ITEM	35.91
ELLIOTT AUTO SUPPLY	14254	10/20/2022	74-298885	OIL FILTER - STOCK	11.88
ELLIOTT AUTO SUPPLY	14254	10/20/2022	74-298948	CREDIT INV# 1-8031470 - AIR FILTER	-76.53
ELLIOTT AUTO SUPPLY	14202	10/13/2022	1-Z30588	BATTERIES - STOCK	1,000.64
ELLIOTT AUTO SUPPLY	14254	10/20/2022	6-1631796	CABIN AIR FILTER - STOCK	22.44
ELLIOTT AUTO SUPPLY	14254	10/20/2022	74-299206	OIL FILTER - STOCK	3.96
ELLIOTT AUTO SUPPLY	14254	10/20/2022	74-299209	BATTERIES - STOCK ITEM	612.81
ELLIOTT AUTO SUPPLY	14254	10/20/2022	95-351088	FUEL FILTER - STOCK	10.22
ELLIOTT AUTO SUPPLY	14254	10/20/2022	95-351089	CABIN AIR FILTER - STOCK	11.22
ELLIOTT AUTO SUPPLY	14254	10/20/2022	1-Z30664	CREDIT - BATTERY CORE RETURNS	-76.00
ELLIOTT AUTO SUPPLY	14305	10/27/2022	74-299766	OIL FILTER - STOCK ITEM	11.88
ELLIOTT AUTO SUPPLY	14305	10/27/2022	1-Z30750	BATTERIES - STOCK ITEM	105.96
				Vendor VEN06020 - ELLIOTT AUTO SUPPLY Total:	**1,763.79**
Vendor: VEN35964 - EMMA ASTRUP					
EMMA ASTRUP	217664	10/19/2022	20221019	REIMBURSE SKATE SCHOOL INSTRUCTOR ISI MEMBERSHIP	95.00
				Vendor VEN35964 - EMMA ASTRUP Total:	**95.00**
Vendor: VEN36010 - ERIC HAUSE					
ERIC HAUSE	217665	10/19/2022	20221019	REIMBURSEMENTS FOR MN GIS CONFERENCE	59.46
				Vendor VEN36010 - ERIC HAUSE Total:	**59.46**
Vendor: VEN36022 - ERIC SWANSON					
ERIC SWANSON	217727	10/26/2022	20221026	REFUND UB ACCT# 800051131 - 8814 91ST ST S	23.71
				Vendor VEN36022 - ERIC SWANSON Total:	**23.71**
Vendor: VEN34324 - EWT HOLDINGS III CORP					
EWT HOLDINGS III CORP	14306	10/27/2022	905551332	SEPTEMBER EQUIPMENT RENTAL WELL 10	39,200.00
EWT HOLDINGS III CORP	14306	10/27/2022	905551332	SEPTEMBER EQUIPMENT RENTAL WELL 3	21,600.00
EWT HOLDINGS III CORP	14306	10/27/2022	905551335	SEPTEMBER EQUIPMENT RENTAL WELL 7/8	43,200.00
EWT HOLDINGS III CORP	14306	10/27/2022	905553160	CARBON CHANGE OUT AT WELL 10 TREATMENT PLANT	349,770.00
				Vendor VEN34324 - EWT HOLDINGS III CORP Total:	**453,770.00**
Vendor: VEN06001 - F JOSEPH TAYLOR, P.A.					
F JOSEPH TAYLOR, P.A.	217728	10/26/2022	20221001	SEPTEMBER PROSECUTION SERVICES	10,830.00
				Vendor VEN06001 - F JOSEPH TAYLOR, P.A. Total:	**10,830.00**
Vendor: VEN06215 - FEDERAL SIGNAL CORPORATION					
FEDERAL SIGNAL CORPORATI	14203	10/13/2022	8114921	2-WAY DC CONTROL/BATTERY CABINET/CHARGER	7,200.00
FEDERAL SIGNAL CORPORATI	14203	10/13/2022	8114921	ROTATING MECHANICAL SIRE	8,780.00
FEDERAL SIGNAL CORPORATI	14203	10/13/2022	8114921	ANTENNA MOUNTING BRACKET - POLE	125.00
				Vendor VEN06215 - FEDERAL SIGNAL CORPORATION Total:	**16,105.00**
Vendor: VEN14433 - FERGUSON WATERWORKS #2518					
FERGUSON WATERWORKS #2	217729	10/26/2022	9542781	WHITE FLEX TUBE DIAPH KIT-RIVER OAKS	54.99

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
FERGUSON WATERWORKS #2	217729	10/26/2022	9544108	CHROME VACUUM BREAKER-RIVER OAKS	56.94
FERGUSON WATERWORKS #2	217729	10/26/2022	9547114	CLOSET FLUSH VALVE/FLEX TUBE DIAPH KIT-RIVER OAKS	643.99
FERGUSON WATERWORKS #2	217666	10/19/2022	501275	METER COUPLINGS-WATER	2,452.80
FERGUSON WATERWORKS #2	217666	10/19/2022	501936	METER ADAPTER-WATER	88.20
FERGUSON WATERWORKS #2	217606	10/12/2022	502061	LF 3/4 SL T10 METER	2,921.52
FERGUSON WATERWORKS #2	217666	10/19/2022	502062	METER ADAPTER-WATER	176.40
FERGUSON WATERWORKS #2	217729	10/26/2022	491160	TOP LID-UTILITIES	91.08
FERGUSON WATERWORKS #2	217729	10/26/2022	503195	WRENCH/PROBE/PUMP TOOL -WATER	575.98
				Vendor VEN14433 - FERGUSON WATERWORKS #2518 Total:	**7,061.90**
Vendor: VEN06092 - FERRELLGAS LP					
FERRELLGAS LP	14307	10/27/2022	1120377162	PROPANE-ICE	117.98
FERRELLGAS LP	14307	10/27/2022	1120423539	PROPANE-ICE	68.25
FERRELLGAS LP	14307	10/27/2022	1120481436	PROPANE-ICE	124.09
FERRELLGAS LP	14307	10/27/2022	1120538609	PROPANE-ICE	132.07
				Vendor VEN06092 - FERRELLGAS LP Total:	**442.39**
Vendor: VEN34115 - FINE SHINE EXTERIORS INC					
FINE SHINE EXTERIORS INC	217730	10/26/2022	100622	SIDING & WINDOW CLEANING RIVER OAKS	641.25
FINE SHINE EXTERIORS INC	217730	10/26/2022	100622	SIDING & WINDOW CLEANING RIVER OAKS	641.25
				Vendor VEN34115 - FINE SHINE EXTERIORS INC Total:	**1,282.50**
Vendor: VEN32106 - FIRE PROTECTION SERVICES, INC					
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1769	INNOVATIVE CHEMICAL-REVIEW DRAWINGS & CALCULATIONS	584.57
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1778	RENEWAL BY ANDERSEN-REVIEW DRAWINGS & CALCULATIONS	5,699.10
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1779	CG LOGISTICS BLDG 1-REVIEW DRAWINGS & CALCULATIONS	5,800.00
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1780	CG LOGISTICS BLDG 2-REVIEW DRAWINGS & CALCULATIONS	10,199.71
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1781	PARK HIGH SCHOOL-REVIEW DRAWINGS & CALCULATIONS	242.82
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1782	HEMMINGWAY IND BLDG 1-REVIEW DRAWING & CALCULATION	1,802.76
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1783	HEMMINGWAY IND BLDG 2-REVIEW DRAWING & CALCULATION	1,425.24
FIRE PROTECTION SERVICES, I	217731	10/26/2022	1784	FLINT HILLS RESOURCES-REVIEW DRAWING & CALCULATION	404.00
				Vendor VEN32106 - FIRE PROTECTION SERVICES, INC Total:	**26,158.20**
Vendor: VEN06268 - FIRE SAFETY USA, INC.					
FIRE SAFETY USA, INC.	217667	10/19/2022	163947	2.5" DOUBLE MALE ADAPTER-FIRE	50.00
FIRE SAFETY USA, INC.	217667	10/19/2022	164314	PHOS-CHEK WD811 CLASS A FOAM 5 GAL PAIL-FIRE	1,000.00
				Vendor VEN06268 - FIRE SAFETY USA, INC. Total:	**1,050.00**
Vendor: VEN31978 - FIRST ADVANTAGE LNS					
FIRST ADVANTAGE LNS	14308	10/27/2022	2512632209	ANNUAL ENROLLMENTS	35.30
FIRST ADVANTAGE LNS	14308	10/27/2022	2512632209	ANNUAL ENROLLMENTS	35.30
FIRST ADVANTAGE LNS	14308	10/27/2022	2512632209	ANNUAL ENROLLMENTS	70.60
FIRST ADVANTAGE LNS	14308	10/27/2022	2512632209	ANNUAL ENROLLMENTS	70.60
				Vendor VEN31978 - FIRST ADVANTAGE LNS Total:	**211.80**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN31404 - FLEETPRIDE, INC					
FLEETPRIDE, INC	217607	10/12/2022	102750503	BRAKLEEN, HITCH CLIPS - STOCK & SS100	84.02
FLEETPRIDE, INC	217607	10/12/2022	102750556	HITCH CLIP - STOCK ITEM	4.82
FLEETPRIDE, INC	217668	10/19/2022	102775297	ON-SPOT RIGHT & LEFT ASSEMBLY - 4006/34828	1,594.51
FLEETPRIDE, INC	217668	10/19/2022	102775384	ON-SPOT CHAIN RIGHT & LEFT ASSEMBLY - 4004/34875	1,594.51
FLEETPRIDE, INC	217668	10/19/2022	102790865	RUBBER CATCH BRACKET - 4101/34906	13.01
FLEETPRIDE, INC	217607	10/12/2022	102804101	CLEVIS KIT - STOCK ITEM	92.80
FLEETPRIDE, INC	217668	10/19/2022	102819942	FEMALE JIC STEEL CAP - 6007/34912	3.93
FLEETPRIDE, INC	217668	10/19/2022	102862700	BEARING KIT - STOCK ITEM	108.14
FLEETPRIDE, INC	217668	10/19/2022	102882317	OIL & FUEL FILTER - STOCK	101.96
FLEETPRIDE, INC	217668	10/19/2022	102982263	BEARING KIT, ON-SPOT CHAIN WHEEL COVER - STOCK	590.87
FLEETPRIDE, INC	217732	10/26/2022	103067441	NITRILE GLOVES XL - SHOP SUPPLY SS100	85.52
				Vendor VEN31404 - FLEETPRIDE, INC Total:	**4,274.09**
Vendor: VEN36007 - FORREST H BAILEY JR					
FORREST H BAILEY JR	217608	10/12/2022	20221012	LOW ZONE WATER TOWER PROJECT LAND PURCHASE	1,000.00
				Vendor VEN36007 - FORREST H BAILEY JR Total:	**1,000.00**
Vendor: VEN06072 - FRANK ZAMORA'S CONCRETE, LLC					
FRANK ZAMORA'S CONCRETE,	14204	10/13/2022	1781	CONCRETE EDGING-OAKWOOD PARK	2,497.50
				Vendor VEN06072 - FRANK ZAMORA'S CONCRETE, LLC Total:	**2,497.50**
Vendor: VEN35466 - FREDERICK'S SIDING INC					
FREDERICK'S SIDING INC	217733	10/26/2022	7851 22-01	SIDING - OAKWOOD	11,720.00
				Vendor VEN35466 - FREDERICK'S SIDING INC Total:	**11,720.00**
Vendor: VEN06261 - FURY CHRYSLER JEEP					
FURY CHRYSLER JEEP	217734	10/26/2022	6370657	RPL RIGHT FRNT DRIVE & TRANS FLUSH-2160/34908	387.61
				Vendor VEN06261 - FURY CHRYSLER JEEP Total:	**387.61**
Vendor: VEN35606 - GAVIN HOCHSTETLER					
GAVIN HOCHSTETLER	217735	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	118.72
				Vendor VEN35606 - GAVIN HOCHSTETLER Total:	**118.72**
Vendor: VEN07005 - GENERATOR SPECIALTY COMPANY INC					
GENERATOR SPECIALTY COMP	217736	10/26/2022	26241	REPAIR ALTERNATOR - 8710/34934	209.50
				Vendor VEN07005 - GENERATOR SPECIALTY COMPANY INC Total:	**209.50**
Vendor: VEN14420 - GENUINE PARTS COMPANY					
GENUINE PARTS COMPANY	14205	10/13/2022	2514-012897	BATTERY CHARGER-RIVER OAKS	68.39
GENUINE PARTS COMPANY	14205	10/13/2022	2514-013176	DRIP PAN-FIRE ENGINE 3	28.49
GENUINE PARTS COMPANY	14255	10/20/2022	2514-014156	STARTER-RIVER OAKS	137.54
GENUINE PARTS COMPANY	14255	10/20/2022	2514-015665	BRK PADS & ROTORS - 1302/34915	198.99
GENUINE PARTS COMPANY	14255	10/20/2022	2514-015800	CALIPERS - 1302/34915	206.92
GENUINE PARTS COMPANY	14255	10/20/2022	2514-015817	CREDIT INV# 2514-015800 - CORE DEPOSITS	-111.12
				Vendor VEN14420 - GENUINE PARTS COMPANY Total:	**529.21**
Vendor: VEN07606 - GERLACH SERVICE INC.					
GERLACH SERVICE INC.	14309	10/27/2022	57456	OIL 6 PACK-PARKS	47.80
				Vendor VEN07606 - GERLACH SERVICE INC. Total:	**47.80**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN32232 - GOODYEAR COMMERCIAL TIRE & SERVICE CENTERS					
GOODYEAR COMMERCIAL TIR	217609	10/12/2022	124-1106007	TIRES - 833/34897	733.08
				Vendor VEN32232 - GOODYEAR COMMERCIAL TIRE & SERVICE CENTERS Total:	**733.08**
Vendor: VEN15382 - GOPHER STATE ONE CALL					
GOPHER STATE ONE CALL	14310	10/27/2022	2090317	SEPTEMBER ONE CALL TICKET	1,036.80
				Vendor VEN15382 - GOPHER STATE ONE CALL Total:	**1,036.80**
Vendor: VEN35858 - GPS INDUSTRIES LLC					
GPS INDUSTRIES LLC	217737	10/26/2022	CON009060	CONNECT RENTAL 10/15/22-11/14/22	4,435.31
				Vendor VEN35858 - GPS INDUSTRIES LLC Total:	**4,435.31**
Vendor: VEN07015 - GRAINGER					
GRAINGER	14206	10/13/2022	9458810182	EPOXY MASTIC SILVER GRAY 5 GAL - HERO	1,238.60
GRAINGER	14311	10/27/2022	9462838591	MOBIL GREASE-RIVER OAKS	138.40
GRAINGER	14311	10/27/2022	9463014036	TRASH BAGS-ICE ARENA	117.32
GRAINGER	14311	10/27/2022	9466766079	BRAILLE FACILITY SIGN-PARKS	17.89
GRAINGER	14206	10/13/2022	9468738936	CREDIT INV# 9458810182 - EPOXY MASTIC SILVER GRAY	-619.30
GRAINGER	14206	10/13/2022	9468738944	CREDIT INV# 9446883457 - FLOOR COATING ADDITIVE	-27.30
GRAINGER	14206	10/13/2022	9468738951	CREDIT INV# 9449197475 - CLEAR EPOXY 5 GAL	-471.78
				Vendor VEN07015 - GRAINGER Total:	**393.83**
Vendor: VEN07023 - GRAPHIC DESIGN INC					
GRAPHIC DESIGN INC	14207	10/13/2022	QB45255	SEPTEMBER NEWSLETTER	5,328.08
GRAPHIC DESIGN INC	14207	10/13/2022	QB45299	BUSINESS CARDS-COMMUNITY PARAMEDIC/RI	27.50
GRAPHIC DESIGN INC	14207	10/13/2022	QB45299	BUSINESS CARDS-COMMUNITY PARAMEDIC/RI	27.50
GRAPHIC DESIGN INC	14207	10/13/2022	QB45300	BUSINESS CARDS-FIRE DIVISION/FLATER	27.50
GRAPHIC DESIGN INC	14207	10/13/2022	QB45300	BUSINESS CARDS-FIRE DIVISION/FLATER	27.50
GRAPHIC DESIGN INC	14256	10/20/2022	QB45372	RIVER OAKS GOLF COURSE-SCORE CARDS	664.00
				Vendor VEN07023 - GRAPHIC DESIGN INC Total:	**6,102.08**
Vendor: VEN13406 - GREAT LAKES COCA-COLA DISTRIBUTION, LLC					
GREAT LAKES COCA-COLA DIS	14208	10/13/2022	3588212849	BEVERAGES FOR CLUBHOUSE	1,353.85
GREAT LAKES COCA-COLA DIS	14208	10/13/2022	3610216629	BEVERAGES FOR ICE ARENA	154.72
GREAT LAKES COCA-COLA DIS	14208	10/13/2022	3610216681	BEVERAGES FOR ICE ARENA	508.67
				Vendor VEN13406 - GREAT LAKES COCA-COLA DISTRIBUTION, LLC Total:	**2,017.24**
Vendor: VEN33879 - GREATAMERICA FINANCIAL SERVICES CORPORATION					
GREATAMERICA FINANCIAL SE	217738	10/26/2022	32658705	FOLDING MACHINE RENTAL - OCTOBER	343.85
				Vendor VEN33879 - GREATAMERICA FINANCIAL SERVICES CORPORATION Total:	**343.85**
Vendor: VEN34482 - GREY CLOUD ISLAND TOWNSHIP					
GREY CLOUD ISLAND TOWNS	217610	10/12/2022	20220930	3RD QTR 2022 BLDG PERMIT REVENUE	308.16
				Vendor VEN34482 - GREY CLOUD ISLAND TOWNSHIP Total:	**308.16**
Vendor: VEN33637 - GUARDIAN SUPPLY, LLC					
GUARDIAN SUPPLY, LLC	14209	10/13/2022	13330	UNIFORM-TILLETT	712.93
GUARDIAN SUPPLY, LLC	14209	10/13/2022	13332	UNIFORM-DADDARIO	811.91
				Vendor VEN33637 - GUARDIAN SUPPLY, LLC Total:	**1,524.84**
Vendor: VEN32266 - HANCO CORPORATION					
HANCO CORPORATION	217611	10/12/2022	641619	TURF TIRES - 7016/34856	56.08
				Vendor VEN32266 - HANCO CORPORATION Total:	**56.08**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN33608 - HARTEL & SONS INC					
HARTEL & SONS INC	217612	10/12/2022	10002983	BATTERIES-RIVER OAKS	585.01
				Vendor VEN33608 - HARTEL & SONS INC Total:	**585.01**
Vendor: VEN29202 - HEGGIES PIZZA LLC					
HEGGIES PIZZA LLC	217669	10/19/2022	1191367014	PIZZA FOR ICE ARENA	92.75
				Vendor VEN29202 - HEGGIES PIZZA LLC Total:	**92.75**
Vendor: VEN32661 - HOHENSTEINS, INC					
HOHENSTEINS, INC	217739	10/26/2022	532111	BEER FOR CLUBHOUSE	162.00
HOHENSTEINS, INC	217613	10/12/2022	542934	BEER FOR CLUBHOUSE	422.60
HOHENSTEINS, INC	217670	10/19/2022	544991	BEER FOR CLUBHOUSE	320.00
HOHENSTEINS, INC	217739	10/26/2022	546867	BEER FOR CLUBHOUSE	590.00
				Vendor VEN32661 - HOHENSTEINS, INC Total:	**1,494.60**
Vendor: VEN35474 - HOLIDAY STATIONSTORES LLC					
HOLIDAY STATIONSTORES LLC	217740	10/26/2022	78001102200	7 WORKS WASHES FOR BUILDING DIVISION SEPTEMBER SVC	35.00
				Vendor VEN35474 - HOLIDAY STATIONSTORES LLC Total:	**35.00**
Vendor: VEN35231 - HOME DEPOT USA INC					
HOME DEPOT USA INC	217671	10/19/2022	20221019	REFUND PERMIT# 2022-017280 - 8260 IVYWOOD AVE	102.00
				Vendor VEN35231 - HOME DEPOT USA INC Total:	**102.00**
Vendor: VEN08207 - HYDRO-VAC INC.					
HYDRO-VAC INC.	14257	10/20/2022	16065	HYDRO/VACUUM EXCAVATION-JAMAICA AVE &	28,706.25
HYDRO-VAC INC.	14257	10/20/2022	16445	HYDRO/VACUUM EXCAVATION-JAMAICA EAST P	5,000.00
				Vendor VEN08207 - HYDRO-VAC INC. Total:	**33,706.25**
Vendor: VEN09001 - ICMA RETIREMENT TRUST-457,ROTH					
ICMA RETIREMENT TRUST-45	14258	10/20/2022	INV025093	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	2,921.52
ICMA RETIREMENT TRUST-45	14258	10/20/2022	INV025094	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	8,453.10
ICMA RETIREMENT TRUST-45	14258	10/20/2022	INV025095	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	1,207.16
				Vendor VEN09001 - ICMA RETIREMENT TRUST-457,ROTH Total:	**12,581.78**
Vendor: VEN36006 - IMPRESSION SIGNS AND GRAPHICS CORPORATION					
IMPRESSION SIGNS AND GRA	217614	10/12/2022	17954	LETTERING ON FIRE STATION #3	1,695.00
				Vendor VEN36006 - IMPRESSION SIGNS AND GRAPHICS CORPORATION Total:	**1,695.00**
Vendor: VEN09024 - INVER GROVE FORD					
INVER GROVE FORD	14259	10/20/2022	5320485	BRAKE PADS - RETURNED	131.80
INVER GROVE FORD	14259	10/20/2022	5320750	CREDIT INV# 5320485 - BRAKE PADS	-131.80
INVER GROVE FORD	14259	10/20/2022	5321190	SHOCK ABSORBER - 2065/34911	229.78
INVER GROVE FORD	14259	10/20/2022	5321198	MUFFLER, GASKET, NUT - 21MISC/34926	863.11
INVER GROVE FORD	14312	10/27/2022	5321557	ROTORS, BRAKE PADS, WIPERS - STOCK ITEM	466.24
				Vendor VEN09024 - INVER GROVE FORD Total:	**1,559.13**
Vendor: VEN09103 - IUOE CENTRAL PENSION FUND					
IUOE CENTRAL PENSION FUN	14260	10/20/2022	INV025083	10/6/22 BIWEEKLY PAYROLL 9/12/22-9/25/22	7,296.00
IUOE CENTRAL PENSION FUN	14260	10/20/2022	INV025096	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	7,296.00
				Vendor VEN09103 - IUOE CENTRAL PENSION FUND Total:	**14,592.00**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN34526 - JAIME MANN					
JAIME MANN	217741	10/26/2022	20221026	OCTOBER MILEAGE REIMBURSEMENT FOR NEOGOV CONFER	28.76
				Vendor VEN34526 - JAIME MANN Total:	**28.76**
Vendor: VEN35610 - JASON JOECKEL					
JASON JOECKEL	217742	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	166.05
				Vendor VEN35610 - JASON JOECKEL Total:	**166.05**
Vendor: VEN02462 - JEFF BROWN					
JEFF BROWN	217672	10/19/2022	20221019	REIMBURSEMENT FOR SE TOWING GIFT TO OLDWORLD PIZZA	100.00
				Vendor VEN02462 - JEFF BROWN Total:	**100.00**
Vendor: VEN35609 - JEFF HUMBLE					
JEFF HUMBLE	217743	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	141.11
				Vendor VEN35609 - JEFF HUMBLE Total:	**141.11**
Vendor: VEN10080 - JEFFERSON FIRE & SAFETY INC					
JEFFERSON FIRE & SAFETY INC	14210	10/13/2022	IN144921	HELMET-BIGHAM	257.13
				Vendor VEN10080 - JEFFERSON FIRE & SAFETY INC Total:	**257.13**
Vendor: VEN11026 - JENNARI GROUP					
JENNARI GROUP	14211	10/13/2022	81870	DOT,RPL COOLER LINES,BRAKES - 4003/34824	5,173.57
JENNARI GROUP	14261	10/20/2022	81929	RPL BRAKES,INSTL & MNT 2 TIRES - 833/34897	1,808.22
JENNARI GROUP	14261	10/20/2022	81986	RPL KING PINS, ALIGNMENT FRNT AXLE-4006/34828	2,402.01
				Vendor VEN11026 - JENNARI GROUP Total:	**9,383.80**
Vendor: VEN12383 - JENNIFER LEVITT					
JENNIFER LEVITT	217744	10/26/2022	20221026	MEAL REIMBURSEMENT FOR ICMA CONFERENCE	21.98
				Vendor VEN12383 - JENNIFER LEVITT Total:	**21.98**
Vendor: VEN30829 - JERRY'S TOWING					
JERRY'S TOWING	217745	10/26/2022	624490	TOWED MRAP FROM CAMP RIPLEY - 2038/34920	1,811.25
				Vendor VEN30829 - JERRY'S TOWING Total:	**1,811.25**
Vendor: VEN35541 - JIM PAVEK					
JIM PAVEK	217746	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	141.99
				Vendor VEN35541 - JIM PAVEK Total:	**141.99**
Vendor: VEN10068 - JOHNSON BROTHERS LIQUOR CO.					
JOHNSON BROTHERS LIQUOR	217615	10/12/2022	2140552	ALCOHOL FOR CLUBHOUSE	1,209.81
JOHNSON BROTHERS LIQUOR	217615	10/12/2022	2142045	ALCOHOL FOR CLUBHOUSE	82.03
JOHNSON BROTHERS LIQUOR	217747	10/26/2022	223431	CREDIT INV# 2140552 - FIREBALL WHISKEY	-151.50
JOHNSON BROTHERS LIQUOR	217747	10/26/2022	2150572	ALCOHOL FOR CLUBHOUSE	1,434.88
				Vendor VEN10068 - JOHNSON BROTHERS LIQUOR CO. Total:	**2,575.22**
Vendor: VEN35611 - JOSH JAWORSKI					
JOSH JAWORSKI	217748	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	109.63
				Vendor VEN35611 - JOSH JAWORSKI Total:	**109.63**
Vendor: VEN31197 - JT SERVICES OF MINNESOTA					
JT SERVICES OF MINNESOTA	14262	10/20/2022	JT22-265-04	KNOCKDOWNS & REPLACEMENTS-STREETLIGHT	4,725.00
				Vendor VEN31197 - JT SERVICES OF MINNESOTA Total:	**4,725.00**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN31290 - JUDITH A GRAF					
JUDITH A GRAF	14263	10/20/2022	20220930-1	SEPTEMBER COUNCIL MEETING MINUTES	309.58
JUDITH A GRAF	14263	10/20/2022	20220930-2	SEPTEMBER TRANSCRIPTION SERVICES	11.32
JUDITH A GRAF	14263	10/20/2022	20220930-3	SEPTEMBER EDA MEETING MINUTES	20.70
				Vendor VEN31290 - JUDITH A GRAF Total:	**341.60**
Vendor: VEN35605 - JULIE PRIOR-MILLER					
JULIE PRIOR-MILLER	217616	10/12/2022	20221012	MILEAGE REIMBURSEMENT	37.88
				Vendor VEN35605 - JULIE PRIOR-MILLER Total:	**37.88**
Vendor: VEN36016 - KATHRYN J ABRAM					
KATHRYN J ABRAM	217749	10/26/2022	2670	OFFICER WELLNESS TRAINING -CRITICAL INCIDENT STRESS	500.00
				Vendor VEN36016 - KATHRYN J ABRAM Total:	**500.00**
Vendor: VEN36023 - KEITH J THOMPSON					
KEITH J THOMPSON	217750	10/26/2022	20221026	REFUND UB ACCT# 101196159 - 7223 98TH ST S	64.09
				Vendor VEN36023 - KEITH J THOMPSON Total:	**64.09**
Vendor: VEN11023 - KELLER ELECTRIC, INC.					
KELLER ELECTRIC, INC.	217751	10/26/2022	22-133-L	OAKWOOD SHELTER - ELECTRICAL	500.00
KELLER ELECTRIC, INC.	217751	10/26/2022	22-133-M	OAKWOOD SHELTER - ELECTRICAL	500.00
				Vendor VEN11023 - KELLER ELECTRIC, INC. Total:	**1,000.00**
Vendor: VEN33914 - KENT/CAROL STREGE					
KENT/CAROL STREGE	217752	10/26/2022	20221026	REFUND UB ACCT# 800045366 - 7598 HILLSIDE T	40.89
				Vendor VEN33914 - KENT/CAROL STREGE Total:	**40.89**
Vendor: VEN29094 - KEVIN J KELLEHER, LLC					
KEVIN J KELLEHER, LLC	14313	10/27/2022	9442	FTO COURSE- FLORES/CAMPBELL	590.00
KEVIN J KELLEHER, LLC	14212	10/13/2022	9485	FTO SOLUTIONS COURSE- GRAFF	295.00
				Vendor VEN29094 - KEVIN J KELLEHER, LLC Total:	**885.00**
Vendor: VEN34290 - KEVIN J ROTTY					
KEVIN J ROTTY	217753	10/26/2022	20221026	DUELING PIANO EVENT ON 11/12/22	2,100.00
				Vendor VEN34290 - KEVIN J ROTTY Total:	**2,100.00**
Vendor: VEN35714 - KLETSCHKA INSPECTIONS LLC					
KLETSCHKA INSPECTIONS LLC	14314	10/27/2022	20221001-1	SEPTEMBER ELECTRICAL INSPECTIONS-COTTAGE GROV	14,134.38
KLETSCHKA INSPECTIONS LLC	14314	10/27/2022	20221001-2	SEPTEMBER ELECTRICAL INSPECTIONS-DENMARK	323.70
				Vendor VEN35714 - KLETSCHKA INSPECTIONS LLC Total:	**14,458.08**
Vendor: VEN31717 - KRAFT CONTRACTING & MECHANICAL LLC					
KRAFT CONTRACTING & MEC	14213	10/13/2022	27151	REPLACE FLAME SENSOR- WOODRIDGE PARK	650.13
KRAFT CONTRACTING & MEC	14213	10/13/2022	27196	REPAIR OUTDOOR AIR INTAKE -CITY HALL	1,420.00
KRAFT CONTRACTING & MEC	14264	10/20/2022	27310	BOILER(S) REPAIR - HERO CENTER	360.00
				Vendor VEN31717 - KRAFT CONTRACTING & MECHANICAL LLC Total:	**2,430.13**
Vendor: VEN33155 - LA RAE MILLS					
LA RAE MILLS	217754	10/26/2022	20221026	REFUND UB ACCT# 106007776 - 7393 ISLETON A	46.09
				Vendor VEN33155 - LA RAE MILLS Total:	**46.09**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN31118 - LAMPERT YARDS, INC					
LAMPERT YARDS, INC	217755	10/26/2022	106779	CREDIT VARIOUS INVOICES - OAKWOOD PARK LUMBER	-796.66
LAMPERT YARDS, INC	217755	10/26/2022	110224	CREDIT VARIOUS INVOICES - OAKWOOD PARK LUMBER	-240.84
LAMPERT YARDS, INC	217755	10/26/2022	121158	CREDIT VARIOUS INVOICES - OAKWOOD PARK LUMBER	-421.99
LAMPERT YARDS, INC	217755	10/26/2022	1460467	OAKWOOD PARK LUMBER	0.03
LAMPERT YARDS, INC	217755	10/26/2022	1460467	OAKWOOD PARK LUMBER	490.37
LAMPERT YARDS, INC	217755	10/26/2022	1460500	OAKWOOD PARK LUMBER	0.04
LAMPERT YARDS, INC	217755	10/26/2022	1460500	OAKWOOD PARK LUMBER	1,151.48
LAMPERT YARDS, INC	217755	10/26/2022	1460585	OAKWOOD PARK LUMBER	0.04
LAMPERT YARDS, INC	217755	10/26/2022	1460585	OAKWOOD PARK LUMBER	1,803.65
LAMPERT YARDS, INC	217755	10/26/2022	1460590	OAKWOOD PARK LUMBER	0.02
LAMPERT YARDS, INC	217755	10/26/2022	1460590	OAKWOOD PARK LUMBER	4,871.18
LAMPERT YARDS, INC	217755	10/26/2022	1464956	OAKWOOD PARK LUMBER	592.48
LAMPERT YARDS, INC	217755	10/26/2022	141659	CREDIT VARIOUS INVOICES - OAKWOOD PARK LUMBER	-1,858.18
				Vendor VEN31118 - LAMPERT YARDS, INC Total:	**5,591.62**
Vendor: VEN36012 - LANCE ZAHNOW					
LANCE ZAHNOW	217673	10/19/2022	20221019	MEAL REIMBURSEMENTS FOR 49ER TRAINING 9/26-9/29/22	198.40
				Vendor VEN36012 - LANCE ZAHNOW Total:	**198.40**
Vendor: VEN12341 - LAWSON PRODUCTS, INC					
LAWSON PRODUCTS, INC	217757	10/26/2022	9310012522	PAINT,CLAMPS,DRILL BITS,CABLE TIES - STOCK & SS100	72.46
LAWSON PRODUCTS, INC	217757	10/26/2022	9310029574	CAP SCREWS - SHOP SUPPLY SS100	17.25
				Vendor VEN12341 - LAWSON PRODUCTS, INC Total:	**89.71**
Vendor: VEN12370 - LEAGUE OF MINNESOTA CITIES INS TRUST					
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19611	CLM# 459712 OACHS	443.43
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19624	CLM# 465475 PLACE	236.32
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19695	CLM# 477895 LUBICH	172.78
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19702	CLM# 478400 GARRICK	3,197.52
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19720	CLM# 479016 LIERMANN	210.21
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19742	CLM# 479659 KOTNOUR	232.81
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	19747	CLM# 479907 HORAN	514.22
LEAGUE OF MINNESOTA CITIE	217758	10/26/2022	7584	CLM# LMC GL236384-FLANAGAN-DAMAGE TO SERVICE DOOR	878.00
				Vendor VEN12370 - LEAGUE OF MINNESOTA CITIES INS TRUST Total:	**5,885.29**
Vendor: VEN12339 - LEAGUE OF MINNESOTA CITIES					
LEAGUE OF MINNESOTA CITIE	217617	10/12/2022	368109	2022 INTRO TO RACE EQUITY-FISCHBACH	30.00
LEAGUE OF MINNESOTA CITIE	217617	10/12/2022	368112	2022 INTRO TO RACE EQUITY-ANDERSON	30.00
LEAGUE OF MINNESOTA CITIE	217617	10/12/2022	368122	2022 INTRO TO RACE EQUITY-BENGTSON	30.00
LEAGUE OF MINNESOTA CITIE	217617	10/12/2022	368126	2022 INTRO TO RACE EQUITY-BARNES	30.00
LEAGUE OF MINNESOTA CITIE	217617	10/12/2022	368142	2022 FUNDAMENTALS OF REALISTIC DE-ESCALATION TRAIN	150.00
				Vendor VEN12339 - LEAGUE OF MINNESOTA CITIES Total:	**270.00**
Vendor: VEN36024 - LEIF STINSON					
LEIF STINSON	217759	10/26/2022	20221026	REFUND UB ACCT# 800046902 - 8287 JEFFERY AV	25.29
				Vendor VEN36024 - LEIF STINSON Total:	**25.29**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN31896 - LEVANDER, GILLEN & MILLER, P.A.					
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC COMMUNITY DEVELOPMENT SEP LEGAL SVCS	772.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	7693 HOMESTEAD CT S-463 ACTION SEP LEGAL SVCS	80.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	CODE ENFORCEMENT SEP LEGAL SVCS	10.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC FINANCE SEP LEGAL SVC	80.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	RENTAL LICENSING SEP LEGAL SVCS	64.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC PERSONNEL SEP LEGAL SVCS	1,264.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISSISSIPPI LANDING SEP LEGAL SVCS	44.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC FIRE SEP LEGAL SVCS	1,664.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MAYOR & COUNCIL SEP LEGAL SVCS	2,750.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC PARKS & REC SEP LEGAL SVCS	640.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC POLICE SEP LEGAL SVCS	656.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	PERSONNEL POLICY SEP LEGAL SVCS	400.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	RECODIFICATION OF CITY&ZONING CODE SEP LEGAL SVCS	5,000.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	HANG LLC SEP LEGAL SVCS	300.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC EDA SEP LEGAL SVCS	96.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	RYAN COMPANIES DEVELOPMENT SEP LEGAL SVCS	12.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	SYNDICA LLP SEP LEGAL SVCS	58.28
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	ENDEAVOR SEP LEGAL SVCS	452.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	WATERMAIN EXTENSION-GOODVIEW AVE SEP LEGAL SVCS	616.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	LOW ZONE WATER TOWER SEP LEGAL SVCS	628.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	DISH AT INWOOD/HIGHLANDS SEP LE	160.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	EAST PT DOUGLAS/JAMAICA AVE PROJECT SEP LEGAL SVCS	8,835.26
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	MISC PUBLIC WORKS SEP LEGAL SVCS	256.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	EXTEN TRUNK SANITARY SEWER S 100TH SEP LEGAL SVCS	156.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	AMBULANCE FEES SEP LEGAL SVCS	1,472.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	NORTHPOINT DEVELOPMENT SEP LEGAL SVCS	524.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	NORTHPOINT DEVELOPMENT 2ND ADD SEP LEGAL SVCS	14.50
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	NORTHWICK PARK SEP LEGAL SVCS	110.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	HAMLET HEIGHTS SEP LEGAL SVCS	110.00
LEVANDER, GILLEN & MILLER,	14315	10/27/2022	20220929	HIGH POINTE SEP LEGAL SVCS	220.00
				Vendor VEN31896 - LEVANDER, GILLEN & MILLER, P.A. Total:	**27,444.04**
Vendor: VEN35668 - LRS PORTABLES LLC					
LRS PORTABLES LLC	217618	10/12/2022	MP210277	TOILET RENTAL - OAKWOOD PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210278	TOILET RENTAL - WAG FARMS DOG PARK	60.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
LRS PORTABLES LLC	217618	10/12/2022	MP210279	TOILET RENTAL - RIVER OAKS	120.00
LRS PORTABLES LLC	217618	10/12/2022	MP210280	TOILET RENTAL - HAMLET PAR	305.00
LRS PORTABLES LLC	217618	10/12/2022	MP210281	TOILET RENTAL - HIGHLANDS PARK	125.00
LRS PORTABLES LLC	217618	10/12/2022	MP210282	TOILET RENTAL - KINGSTON PARK	185.00
LRS PORTABLES LLC	217618	10/12/2022	MP210283	TOILET RENTAL - WOODRIDGE PARK	185.00
LRS PORTABLES LLC	217618	10/12/2022	MP210284	TOILET RENTAL - GREY CLOUD ISLAND	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210285	TOILET RENTAL - PINE GLEN	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210286	TOILET RENTAL - PINE HILL SCHOOL	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210287	TOILET RENTAL - BELDEN PAR	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210288	TOILET RENTAL - HEARTHSIDE PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210289	TOILET RENTAL - HILLSIDE SCHOOL	94.28
LRS PORTABLES LLC	217618	10/12/2022	MP210290	TOILET RENTAL - WEST DRAW PARK	94.28
LRS PORTABLES LLC	217618	10/12/2022	MP210291	TOILET RENTAL - PETER THOMPSON PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210292	TOILET RENTAL - COTTAGE GROVE ELEMENTARY	47.14
LRS PORTABLES LLC	217618	10/12/2022	MP210293	TOILET RENTAL - PINE TREE VALLEY PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210294	TOILET RENTAL - GREY CLOUD ELEM SCHOOL	245.00
LRS PORTABLES LLC	217618	10/12/2022	MP210295	TOILET RENTAL - GREY CLOUD MIDDLE SCHOOL	245.00
LRS PORTABLES LLC	217618	10/12/2022	MP210296	TOILET RENTAL - LAMAR PARK	197.14
LRS PORTABLES LLC	217618	10/12/2022	MP210297	TOILET RENTAL - OLD COTTAGE GROVE PARK	47.14
LRS PORTABLES LLC	217618	10/12/2022	MP210298	TOILET RENTAL - ARBOR MEADOWS PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210299	TOILET RENTAL - ARMSTRONG SCHOOL	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210300	TOILET RENTAL - PINE COULEE PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210301	TOILET RENTAL - PUBLIC WORKS	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210302	TOILET RENTAL - PINE TREE POND PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210303	TOILET RENTAL - GRANADA PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210304	TOILET RENTAL - KINGSTON PARK	180.00
LRS PORTABLES LLC	217618	10/12/2022	MP210305	TOILET RENTAL - HIGHLANDS PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210306	TOILET RENTAL - OLTMAN MIDDLE SCHOOL	94.28
LRS PORTABLES LLC	217618	10/12/2022	MP210307	TOILET RENTAL - HAMLET PARK SOUTH	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210308	TOILET RENTAL - PINE TREE POND PARK	60.00
LRS PORTABLES LLC	217618	10/12/2022	MP210309	TOILET RENTAL - YANG RENTAL/KINGSTON PARK	650.00
LRS PORTABLES LLC	217618	10/12/2022	MP210310	TOILET RENTAL - TREE TRUST PROJECT	47.14
LRS PORTABLES LLC	217618	10/12/2022	MP210311	TOILET RENTAL - PARK HIGH SCHOOL	15.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
LRS PORTABLES LLC	217618	10/12/2022	MP210312	FOOTBALL ASSOC/HAMLET PARK STORAGE CONTAINER-SEP	150.00
				Vendor VEN35668 - LRS PORTABLES LLC Total:	**4,106.40**
Vendor: VEN30050 - LUBE-TECH & PARTNERS, LLC					
LUBE-TECH & PARTNERS, LLC	14317	10/27/2022	3042713	USED OIL PICKUP - PUBLIC DROP OFF	264.00
				Vendor VEN30050 - LUBE-TECH & PARTNERS, LLC Total:	**264.00**
Vendor: VEN29309 - LVC COMPANIES, INC.					
LVC COMPANIES, INC.	14265	10/20/2022	97390	RELOCATED & REWIRED DATA CABLE-ICE ARENA	1,090.00
				Vendor VEN29309 - LVC COMPANIES, INC. Total:	**1,090.00**
Vendor: VEN32230 - MANSFIELD OIL COMPANY					
MANSFIELD OIL COMPANY	14214	10/13/2022	23647899	1,000 GAL UNLEADED GASOLINE	3,298.53
MANSFIELD OIL COMPANY	14214	10/13/2022	23649952	1,501 GAL DYED DIESEL	5,984.51
MANSFIELD OIL COMPANY	14214	10/13/2022	23649953	2,797 GAL UNLEADED GASOLINE	8,017.70
MANSFIELD OIL COMPANY	14214	10/13/2022	23649954	206 GAL UNLEADED GASOLIN	626.85
MANSFIELD OIL COMPANY	14266	10/20/2022	23663490	2,300 GAL DYED DIESEL	6,759.79
MANSFIELD OIL COMPANY	14266	10/20/2022	23663491	3,600 GAL UNLEADED GASOLINE	10,082.26
MANSFIELD OIL COMPANY	14318	10/27/2022	23694451	2,600 GAL UNLEADED GASOLINE	7,452.98
MANSFIELD OIL COMPANY	14318	10/27/2022	23694496	1,500 GAL DYED DIESEL	6,733.40
				Vendor VEN32230 - MANSFIELD OIL COMPANY Total:	**48,956.02**
Vendor: VEN13494 - MARCO HOLDINGS, LLC					
MARCO HOLDINGS, LLC	14319	10/27/2022	46988	WEB FAX SERVICES 10/16/22-11/15/22	49.24
				Vendor VEN13494 - MARCO HOLDINGS, LLC Total:	**49.24**
Vendor: VEN13668 - MARTIN-MCALLISTER					
MARTIN-MCALLISTER	14320	10/27/2022	14865	PUBLIC SAFETY ASSESSMENT/PERSONNEL EVALUATION	375.00
MARTIN-MCALLISTER	14320	10/27/2022	14865	PUBLIC SAFETY ASSESSMENT/PERSONNEL EVALUATION	1,200.00
				Vendor VEN13668 - MARTIN-MCALLISTER Total:	**1,575.00**
Vendor: VEN13662 - MEDICA					
MEDICA	217760	10/26/2022	569731212914	COBRA PREMIUM-NOVEMBER 2022	2,886.47
MEDICA	217760	10/26/2022	569731212914	MN STAT 299A.465 PREMIUM -NOVEMBER 2022	3,731.53
MEDICA	217760	10/26/2022	569731212914	EMPLOYEE PREMIUM-NOVEMBER 2022	19,132.66
MEDICA	217760	10/26/2022	569731212914	EMPLOYER PREMIUM-NOVEMBER 2022	95,551.18
				Vendor VEN13662 - MEDICA Total:	**121,301.84**
Vendor: VEN13410 - MENARDS					
MENARDS	14215	10/13/2022	60899	LIGHTBULB/C BATTERIES-FIRE #4	77.94
MENARDS	14215	10/13/2022	60917-2022	CONCRETE MIX-PARKS	23.88
MENARDS	14215	10/13/2022	60949	BUTTON SOCKET FASTENER-UTILITIES	4.72
MENARDS	14215	10/13/2022	60963	BINDER CHAIN/RATCHET BINDER-FACILITIES TRAILER	219.92
MENARDS	14215	10/13/2022	60967	PROPANE HOSE FOR PATCH TRUCK-STREETS	12.99
MENARDS	14215	10/13/2022	61000	RETRIEVING MAGNENT/5 GAL PAIL-PARKS	20.98
MENARDS	14215	10/13/2022	61059	CLEANING SUPPLIES-FIRE	16.05

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
MENARDS	14215	10/13/2022	61145	TITANIUM SHEARS & SNIPS-FACILITIES	27.74
MENARDS	14215	10/13/2022	61147	CONCRETE MIX/AA BATTERIES -PARKS	22.14
MENARDS	14215	10/13/2022	61148-2022	CLEANING SUPPLIES-PARKS	18.18
MENARDS	14215	10/13/2022	61159	AA BATTERIES/CLOCK-UTILITIE	51.86
MENARDS	14215	10/13/2022	61209	SPRAY PAINT-DISCOVER CG STENCIL	55.92
MENARDS	14267	10/20/2022	61258	GLASS CLEANER/FLY SWATTER/TIRE FOAM-PARKS	20.52
MENARDS	14267	10/20/2022	61259	FEBREZE AIR-PARKS	5.78
MENARDS	14267	10/20/2022	61264	HARDWARE FITTINGS-HERO CENTER	32.36
MENARDS	14267	10/20/2022	61266	PAINTING SUPPLIES-HERO CENTER	223.55
MENARDS	14267	10/20/2022	61277	SHOP VAC-PARKS	59.99
MENARDS	14267	10/20/2022	61279	TEFLON TAPE/NOZZLE/PIPE FITTINGS-PARKS	20.93
MENARDS	14267	10/20/2022	61281	LIGHTBULBS-CITY HALL	3.99
MENARDS	14267	10/20/2022	61294	3V ENERGIZER BATTERIES-PD	38.32
MENARDS	14267	10/20/2022	61326-2022	DRIVEWAY MARKERS-SNOW	792.00
MENARDS	14267	10/20/2022	61376	DOORSTOP/SCREWS-PARKS	40.00
MENARDS	14267	10/20/2022	61376	PAINTING SUPPLIES/METAL FLAT-HERO CENTER	53.72
MENARDS	14267	10/20/2022	61376	SCREWS/TRIM PULLER TOOL-FACILITIES	32.95
MENARDS	14267	10/20/2022	61383	CIRC SAW BLADE/POCKET HOLE JIG-PARKS	163.98
MENARDS	14267	10/20/2022	61507	TAPERED WOOD HANDLE-WATER	23.96
MENARDS	14267	10/20/2022	61508	PVC PIPE & CEMENT/PRIMER-RIVER OAKS	74.62
MENARDS	14267	10/20/2022	61565	COMMON SPIKE NAIL-PARKS	2.79
MENARDS	14267	10/20/2022	61566	VELCRO/DOWEL-HERO	46.90
MENARDS	14267	10/20/2022	61576	FLAT WASHERS-CITY HALL	5.38
MENARDS	14321	10/27/2022	61638	FVP RV MARINE ANTIFREEZE-PARKS	13.44
MENARDS	14321	10/27/2022	61678	BLUE BLEND MOP HEAD-HER	17.94
MENARDS	14321	10/27/2022	61713	HEAVY DUTY FRAME/ROLLER FRAME WIRE-HERO	22.39
MENARDS	14321	10/27/2022	61714	9V LITHIUM BATTERY-UTILITIE	18.87
MENARDS	14321	10/27/2022	61723-2022	ELECTRIC TAPE/DUCT TAPE/WINGNUT/CAULK-WATE	55.28
MENARDS	14321	10/27/2022	61741	STRING LIGHTS/HEAT LAMPS/AA BATTERIES-PRO SHOP	305.34
MENARDS	14321	10/27/2022	61745	SHOP TOWEL/WIPES/GLOVES/AIR FRESH/FITTINGS-STREETS	200.88
MENARDS	14321	10/27/2022	61776	50:1 FUEL PREMIX GAS & OIL-FIRE	27.92
MENARDS	14321	10/27/2022	61854	BROOM/MOP/TOILET CLEAN/PINESOL/HOSE/BUCKET-PARKS	112.47
MENARDS	14321	10/27/2022	61855	PAINT PAIL LINERS/TARP-CITY HALL	71.54
MENARDS	14321	10/27/2022	61868	CONCRETE MIX-STORMWATE	222.88
MENARDS	14215	10/13/2022	61923	CABLE, CABLE CLAMPS - 2002/34902	14.74
MENARDS	14321	10/27/2022	62391	HARDWARE & RECIP BLADES - 6001/34929	46.51
				Vendor VEN13410 - MENARDS Total:	**3,324.26**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN13461 - METRO SALES INCORPORATED					
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	PSCH RICOH COPIER USAGE 8/4/22-9/3/22	1,177.65
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	PD RICOH COPIER USAGE 8/4/22-9/3/22	676.11
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	FIRE RICOH COPIER USAGE 8/4/22-9/3/22	230.86
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	PW RICOH COPIER USAGE 8/4/22-9/3/22	817.43
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	REC RICOH COPIER USAGE 8/4/22-9/3/22	106.03
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	ICE RICOH COPIER USAGE 8/4/22-9/3/22	106.03
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	GOLF RICOH COPIER USAGE 8/4/22-9/3/22	194.68
METRO SALES INCORPORATE	14216	10/13/2022	INV2126493	HERO CENTER RICOH COPIER USAGE 8/4/22-9/3/22	340.90
				Vendor VEN13461 - METRO SALES INCORPORATED Total:	**3,649.69**
Vendor: VEN13411 - METROPOLITAN COUNCIL					
METROPOLITAN COUNCIL	14323	10/27/2022	202209	SEPTEMBER SAC CHARGES	233,590.00
METROPOLITAN COUNCIL	14323	10/27/2022	202209	SEPTEMBER SAC CHARGES DISCOUNT	-2,335.90
				Vendor VEN13411 - METROPOLITAN COUNCIL Total:	**231,254.10**
Vendor: VEN13412 - METROPOLITAN COUNCIL					
METROPOLITAN COUNCIL	14322	10/27/2022	1147178	NOVEMBER WASTE WATER SERVICES	200,287.56
				Vendor VEN13412 - METROPOLITAN COUNCIL Total:	**200,287.56**
Vendor: VEN35563 - MEYER CONTRACTING INC					
MEYER CONTRACTING INC	14324	10/27/2022	20221012	PYMT 3/FINAL-LAKE ROBERT OUTLET THRU 10/12/22	3,448.58
				Vendor VEN35563 - MEYER CONTRACTING INC Total:	**3,448.58**
Vendor: VEN13429 - MEYER SEWER SERVICE					
MEYER SEWER SERVICE	217761	10/26/2022	11762	PUMPED MAINT BLDG HOLDING TANK	275.00
				Vendor VEN13429 - MEYER SEWER SERVICE Total:	**275.00**
Vendor: VEN35607 - MIKE SCHWERY					
MIKE SCHWERY	217762	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	155.78
				Vendor VEN35607 - MIKE SCHWERY Total:	**155.78**
Vendor: VEN33362 - MILBANK WINWATER WORKS					
MILBANK WINWATER WORKS	217674	10/19/2022	176808 07	3/4" WATER METER	34,461.00
MILBANK WINWATER WORKS	217674	10/19/2022	178490 02	CREDIT INV# 178490 03 - 1.5" WATER METER	-0.01
MILBANK WINWATER WORKS	217674	10/19/2022	178490 03	1.5" WATER METER	0.01
MILBANK WINWATER WORKS	217763	10/26/2022	177256 11	3/4" WATER METERS	39,231.00
				Vendor VEN33362 - MILBANK WINWATER WORKS Total:	**73,692.00**
Vendor: VEN34389 - MILLER EXCAVATING INC					
MILLER EXCAVATING INC	14236	10/20/2022	20220926	PYMT 3-GOODVIEW AVE WATERMAIN EXTEN THRU 9/26/22	610,363.07
				Vendor VEN34389 - MILLER EXCAVATING INC Total:	**610,363.07**
Vendor: VEN32810 - MINGER CONSTRUCTION COMPANIES INC					
MINGER CONSTRUCTION CO	217801	10/26/2022	20221017	PYMT 1-SOUTH DISTRICT TRUNK STORM SEWER	209,580.73
				Vendor VEN32810 - MINGER CONSTRUCTION COMPANIES INC Total:	**209,580.73**
Vendor: VEN35690 - MINNESOTA AG POWER INC					
MINNESOTA AG POWER INC	14217	10/13/2022	795515	TIRE REPLACEMENT-RIVER OAKS	215.29
MINNESOTA AG POWER INC	14217	10/13/2022	9323335	BEARING-RIVER OAKS	63.27

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
MINNESOTA AG POWER INC	14217	10/13/2022	9323338	SEAL-RIVER OAKS	55.08
				Vendor VEN35690 - MINNESOTA AG POWER INC Total:	**333.64**
Vendor: VEN30384 - MINNESOTA GLOVE INC					
MINNESOTA GLOVE INC	14325	10/27/2022	337010	UNIFORM - GORGUS	461.37
				Vendor VEN30384 - MINNESOTA GLOVE INC Total:	**461.37**
Vendor: VEN36009 - MISSISSIPPI DUNES TOWNHOMES ASSOCIATION					
MISSISSIPPI DUNES TOWNHO	217675	10/19/2022	20221019	WATER CONSERVATION REIMBURSE FOR INSTALL UPGRADES	10,000.00
				Vendor VEN36009 - MISSISSIPPI DUNES TOWNHOMES ASSOCIATION Total:	**10,000.00**
Vendor: VEN19306 - MN BUREAU OF CRIMINAL APPREHENSION					
MN BUREAU OF CRIMINAL AP	217764	10/26/2022	718136	ANNUAL CJDN CHARGES 7/1/22-6/30/23	3,960.00
				Vendor VEN19306 - MN BUREAU OF CRIMINAL APPREHENSION Total:	**3,960.00**
Vendor: VEN13473 - MN CHILD SUPPORT CENTER					
MN CHILD SUPPORT CENTER	217676	10/19/2022	INV025099	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	36.91
				Vendor VEN13473 - MN CHILD SUPPORT CENTER Total:	**36.91**
Vendor: VEN13554 - MN DEPT OF EMPLOYMENT & ECONOMIC DEVEL					
MN DEPT OF EMPLOYMENT &	217677	10/19/2022	15667464	3RD QTR UNEMPLOYMENT BENEFITS 2022	712.48
MN DEPT OF EMPLOYMENT &	217677	10/19/2022	15667464	3RD QTR UNEMPLOYMENT BENEFITS 2022	333.53
				Vendor VEN13554 - MN DEPT OF EMPLOYMENT & ECONOMIC DEVEL Total:	**1,046.01**
Vendor: VEN13352 - MN DEPT OF HEALTH					
MN DEPT OF HEALTH	217765	10/26/2022	20220930	2022 3RD QUARTER WATER SUPPLY CONNECTION FEE	30,746.79
				Vendor VEN13352 - MN DEPT OF HEALTH Total:	**30,746.79**
Vendor: VEN13670 - MN DEPT OF LABOR & INDUSTRY					
MN DEPT OF LABOR & INDUS	14218	10/13/2022	ABR0288404X	PRESSURE VESSEL - FIRE #4	10.00
MN DEPT OF LABOR & INDUS	14218	10/13/2022	ABR0288405X	PRESSURE VESSELS - ICE AREN	50.00
MN DEPT OF LABOR & INDUS	14218	10/13/2022	ABR0288449X	PRESSURE VESSEL - FIRE #3	10.00
MN DEPT OF LABOR & INDUS	14218	10/13/2022	ABR0289124X	PRESSURE VESSELS - PUBLIC WORKS	40.00
MN DEPT OF LABOR & INDUS	14218	10/13/2022	ABR0289515X	PRESSURE VESSELS & BOILER - FIRE #2	60.00
MN DEPT OF LABOR & INDUS	14218	10/13/2022	ABR0289908X	BOILER - HERO CENTER	20.00
MN DEPT OF LABOR & INDUS	14326	10/27/2022	202209-CG	SEP BLDG PERMIT SURCHARGE RETENTION-COT	-284.30
MN DEPT OF LABOR & INDUS	14326	10/27/2022	202209-CG	SEP BLDG PERMIT SURCHARGE-COTTAGE GROVE	14,214.99
MN DEPT OF LABOR & INDUS	14326	10/27/2022	202209-DT	3RD QTR BLDG PERMIT SURCHARGE-DENMARK TOWNSHIP	453.81
MN DEPT OF LABOR & INDUS	14326	10/27/2022	202209-DT	3RD QTR BLDG PERMIT SURCHARGE RETENTION-DENMARK	-25.00
				Vendor VEN13670 - MN DEPT OF LABOR & INDUSTRY Total:	**14,549.50**
Vendor: VEN13371 - MN DEPT OF NATURAL RESOURCES					
MN DEPT OF NATURAL RESOU	217678	10/19/2022	8105925	GRANT SIGNAGE	37.08
				Vendor VEN13371 - MN DEPT OF NATURAL RESOURCES Total:	**37.08**
Vendor: VEN13551 - MN DEPT OF PUBLIC SAFETY					
MN DEPT OF PUBLIC SAFETY	217766	10/26/2022	20221026	DUPLICATE TITLE REQUEST-CG20011369	18.25
				Vendor VEN13551 - MN DEPT OF PUBLIC SAFETY Total:	**18.25**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN03446 - MN DEPT OF TRANSPORTATION					
MN DEPT OF TRANSPORTATIO	217622	10/12/2022	P00015768	BITUMINOUS PLANT INSPECTION-HAWTHORNE 2ND ADD	136.41
				Vendor VEN03446 - MN DEPT OF TRANSPORTATION Total:	**136.41**
Vendor: VEN13481 - MN FIRE SERVICE CERTIFICATION BOARD					
MN FIRE SERVICE CERTIFICATI	217623	10/12/2022	10525	INSTRUCTOR I & II/FIRE & LIFE SAFETY-CERT EXAMS	572.25
				Vendor VEN13481 - MN FIRE SERVICE CERTIFICATION BOARD Total:	**572.25**
Vendor: VEN13694 - MTA SERVICES, LLC					
MTA SERVICES, LLC	14327	10/27/2022	3204	LABOR - CUT STEEL & WELD	725.00
MTA SERVICES, LLC	14327	10/27/2022	3204	LABOR - REM & REINSTL BRACKETS & SPRINGS	500.00
MTA SERVICES, LLC	14327	10/27/2022	3204	WELDING - 12 STEEL PATCHES ON WING PLOWS	240.00
MTA SERVICES, LLC	14327	10/27/2022	3204	SANDBLAST,PRIME,& PAINT PLOW BLADES	4,500.00
MTA SERVICES, LLC	14327	10/27/2022	3204	SANDBLAST,PRIME,& PAINT PLOW BLADES	1,550.00
				Vendor VEN13694 - MTA SERVICES, LLC Total:	**7,515.00**
Vendor: VEN13463 - MTI DISTRIBUTING CO.					
MTI DISTRIBUTING CO.	14219	10/13/2022	1364127-00	PTO SWITCH-RIVER OAKS	51.15
MTI DISTRIBUTING CO.	14269	10/20/2022	1365366-00	CONNECTORS/WIRE STRIPPER/TEFLON TAPE-PARK	249.65
MTI DISTRIBUTING CO.	14219	10/13/2022	1365092-00	ORING - 8511/34865	17.97
MTI DISTRIBUTING CO.	14219	10/13/2022	1365526-00	ORING, HYDRAULIC HOSE ASSEMBLY - 8511/34865	333.64
				Vendor VEN13463 - MTI DISTRIBUTING CO. Total:	**652.41**
Vendor: VEN14443 - NCPERS MINNESOTA - 403800					
NCPERS MINNESOTA - 403800	14328	10/27/2022	403800112022	NOVEMBER 2022 LIFE INSURANCE PREMIUM	336.00
				Vendor VEN14443 - NCPERS MINNESOTA - 403800 Total:	**336.00**
Vendor: VEN32365 - NEOCERTIFIED, LLC					
NEOCERTIFIED, LLC	217679	10/19/2022	31130	ANNUAL EMAIL ENCRYPTION 10/29/22-10/29/23	1,867.50
				Vendor VEN32365 - NEOCERTIFIED, LLC Total:	**1,867.50**
Vendor: VEN14424 - NEWMAN SIGNS INC					
NEWMAN SIGNS INC	14220	10/13/2022	TRFINV042311	NO PARKING SIGNS	486.72
				Vendor VEN14424 - NEWMAN SIGNS INC Total:	**486.72**
Vendor: VEN34255 - NORTHERN LINES CONTRACTING, INC					
NORTHERN LINES CONTRACTI	217644	10/12/2022	20221003	PYMT 5-TG-P14 POND IMPROVEMENTS 5/27/22-10/3/22	501,462.72
				Vendor VEN34255 - NORTHERN LINES CONTRACTING, INC Total:	**501,462.72**
Vendor: VEN14409 - NORTHERN SAFETY TECHNOLOGY, INC					
NORTHERN SAFETY TECHNOL	14221	10/13/2022	54610	AMBER & BLUE LIGHTS - 1101/34903	189.08
NORTHERN SAFETY TECHNOL	14270	10/20/2022	54643	CLEAR LENS - 4101/34906	40.17
				Vendor VEN14409 - NORTHERN SAFETY TECHNOLOGY, INC Total:	**229.25**
Vendor: VEN31736 - NORTHERN STATES POWER CO.					
NORTHERN STATES POWER C	217624	10/12/2022	20221012	RELEASE CUP2021-036 ESCROW	5,000.00
				Vendor VEN31736 - NORTHERN STATES POWER CO. Total:	**5,000.00**
Vendor: VEN36005 - NORTHSTAR INTERNATIONAL TRUCKS					
NORTHSTAR INTERNATIONAL	217625	10/12/2022	2S33511	CHECK ENGINE LIGHT/EXHAUST RPR - 6003/34835	1,394.50
				Vendor VEN36005 - NORTHSTAR INTERNATIONAL TRUCKS Total:	**1,394.50**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN35425 - OPENTABLE INC					
OPENTABLE INC	217767	10/26/2022	INV-FS859437-092022	SEPTEMBER GUEST SEATING/RESERVATION SVCS	281.00
				Vendor VEN35425 - OPENTABLE INC Total:	**281.00**
Vendor: VEN15362 - OPUS21 MANAGEMENT SOLUTIONS					
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB CALL CENTER SUPPORT SERVICES AUGUST 2022	310.35
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB POSTAGE SERVICES AUGUST 2022	502.03
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB HOSTING SERVICES AUGUST 2022	917.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB BILL PRINT SERVICES AUGUST 2022	289.10
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB CALL CENTER SUPPORT SERVICES AUGUST 2022	1,239.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB POSTAGE SERVICES AUGUST 2022	2,011.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB HOSTING SERVICES AUGUST 2022	3,669.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB BILL PRINT SERVICES AUGUST 2022	1,154.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB CALL CENTER SUPPORT SERVICES AUGUST 2022	1,239.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB POSTAGE SERVICES AUGUST 2022	2,011.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB HOSTING SERVICES AUGUST 2022	3,669.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB BILL PRINT SERVICES AUGUST 2022	1,154.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB CALL CENTER SUPPORT SERVICES AUGUST 2022	310.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB POSTAGE SERVICES AUGUST 2022	503.00
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB HOSTING SERVICES AUGUST 2022	918.55
OPUS21 MANAGEMENT SOLU	14222	10/13/2022	220818	UB BILL PRINT SERVICES AUGUST 2022	289.00
				Vendor VEN15362 - OPUS21 MANAGEMENT SOLUTIONS Total:	**20,185.03**
Vendor: VEN30439 - O'REILLY AUTO PARTS					
O'REILLY AUTO PARTS	217626	10/12/2022	3266-454471	OIL FLTR, MINI LAMPS - STOCK & SS100	11.30
O'REILLY AUTO PARTS	217680	10/19/2022	3266-454765	OIL FILTER - STOCK	28.00
O'REILLY AUTO PARTS	217680	10/19/2022	3266-454983	JBWELD - SHOP SUPPLY SS100	9.49
O'REILLY AUTO PARTS	217680	10/19/2022	3266-455622	CABIN FILTER - STOCK	20.30
O'REILLY AUTO PARTS	217680	10/19/2022	3266-455625	OIL & OIL FILTER - 2238/3492	60.24
O'REILLY AUTO PARTS	217768	10/26/2022	3266-456061	ALTERNATOR - RETURNED	338.99
O'REILLY AUTO PARTS	217768	10/26/2022	3266-456093	CABIN FILTER - 1506/34935	12.95
O'REILLY AUTO PARTS	217768	10/26/2022	3266-456474	AIR FILTER - STOCK ITEM	34.33
O'REILLY AUTO PARTS	217768	10/26/2022	3266-456749	CREDIT INV# 3266-456061 - ALTERNATOR	-338.99
				Vendor VEN30439 - O'REILLY AUTO PARTS Total:	**176.61**
Vendor: VEN35472 - ORIGINAL ROCK DESIGNS INC					
ORIGINAL ROCK DESIGNS INC	217769	10/26/2022	4804	STONE - OAKWOOD BUILDING	20,921.25
ORIGINAL ROCK DESIGNS INC	217769	10/26/2022	4804	STONE - OAKWOOD BUILDING	3,934.83
				Vendor VEN35472 - ORIGINAL ROCK DESIGNS INC Total:	**24,856.08**
Vendor: VEN31236 - OXYGEN SERVICE COMPANY, INC					
OXYGEN SERVICE COMPANY, I	217627	10/12/2022	3533556	SMALL & MED CYLINDER RENTAL	101.30
OXYGEN SERVICE COMPANY, I	217627	10/12/2022	8572328	WELDING SUPPLIES	261.31
				Vendor VEN31236 - OXYGEN SERVICE COMPANY, INC Total:	**362.61**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN16140 - PARK GROVE ELECTRIC INC					
PARK GROVE ELECTRIC INC	217628	10/12/2022	54933	REMOVE BULB FROM LIGHT FIXTURE-CITY HALL	95.00
PARK GROVE ELECTRIC INC	217628	10/12/2022	54936	RPL GFI OUTLET WITH FLASHING LIGHT-CENTRAL FIR	182.50
PARK GROVE ELECTRIC INC	217628	10/12/2022	54959	CHECK OUTSIDE LIGHTS AT TENNIS COURTS-WOODRIDGE	475.00
				Vendor VEN16140 - PARK GROVE ELECTRIC INC Total:	**752.50**
Vendor: VEN35954 - PATRICK HAWKINS					
PATRICK HAWKINS	217629	10/12/2022	10935	PLOW BLADE 11 FT INTERLOCKING CARBIDE	2,129.80
PATRICK HAWKINS	217629	10/12/2022	10935	PLOW BLADE 10 FT UNDERBODY CARBIDE BLADE	8,192.76
				Vendor VEN35954 - PATRICK HAWKINS Total:	**10,322.56**
Vendor: VEN35260 - PERFECTION PLUS INC					
PERFECTION PLUS INC	217770	10/26/2022	114486	SEPTEMBER CLEANING SERVICES - PSCH	4,145.00
PERFECTION PLUS INC	217770	10/26/2022	114486	SEPTEMBER CLEANING SERVICES - CENTRAL FIRE	595.00
PERFECTION PLUS INC	217770	10/26/2022	114486	SEPTEMBER CLEANING SERVICES - FIRE #4	147.00
PERFECTION PLUS INC	217770	10/26/2022	114486	SEPTEMBER CLEANING SERVICES - FIRE #3	147.00
PERFECTION PLUS INC	217770	10/26/2022	114486	SEPTEMBER CLEANING SERVICES - PW	820.00
PERFECTION PLUS INC	217770	10/26/2022	114486	SEPTEMBER CLEANING SERVICES - HERO CENTER	1,700.00
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - PSCH	4,145.00
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - CREDIT 2 DAYS - PS	-380.30
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - FIRE #3	147.00
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - CENTRAL FIRE	595.00
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - FIRE #4	147.00
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - PUBLIC WORKS	820.00
PERFECTION PLUS INC	217681	10/19/2022	114517	OCTOBER CLEANING SERVICES - HERO CENTER	1,700.00
				Vendor VEN35260 - PERFECTION PLUS INC Total:	**14,727.70**
Vendor: VEN35773 - PERFORMANCE FOOD GROUP INC					
PERFORMANCE FOOD GROUP	217630	10/12/2022	311641	FOOD/SUPPLIES FOR CLUBHOUSE	66.47
PERFORMANCE FOOD GROUP	217630	10/12/2022	311641	FOOD/SUPPLIES FOR CLUBHOUSE	887.73
PERFORMANCE FOOD GROUP	217630	10/12/2022	316167	FOOD FOR CLUBHOUSE	1,999.21
PERFORMANCE FOOD GROUP	217630	10/12/2022	317248	CREDIT INV# 307367 - TURKEY BREAST	-85.37
PERFORMANCE FOOD GROUP	217630	10/12/2022	321037	FOOD/SUPPLIES FOR CLUBHOUSE	530.85
PERFORMANCE FOOD GROUP	217630	10/12/2022	321037	FOOD/SUPPLIES FOR CLUBHOUSE	1,956.99
PERFORMANCE FOOD GROUP	217771	10/26/2022	330313	FOOD/SUPPLIES FOR CLUBHOUSE	8.57
PERFORMANCE FOOD GROUP	217771	10/26/2022	330313	FOOD/SUPPLIES FOR CLUBHOUSE	976.39
PERFORMANCE FOOD GROUP	217771	10/26/2022	331042	FOOD FOR CLUBHOUSE	65.94
PERFORMANCE FOOD GROUP	217771	10/26/2022	333621	FOOD/SUPPLIES FOR CLUBHOUSE	369.86
PERFORMANCE FOOD GROUP	217771	10/26/2022	333621	FOOD/SUPPLIES FOR CLUBHOUSE	445.03

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
PERFORMANCE FOOD GROUP	217771	10/26/2022	333621	FOOD/SUPPLIES FOR CLUBHOUSE	212.74
PERFORMANCE FOOD GROUP	217771	10/26/2022	336999	FOOD FOR CLUBHOUSE	181.83
PERFORMANCE FOOD GROUP	217771	10/26/2022	338490	FOOD/SUPPLIES FOR CLUBHOUSE	277.09
PERFORMANCE FOOD GROUP	217771	10/26/2022	338490	FOOD/SUPPLIES FOR CLUBHOUSE	580.47
				Vendor VEN35773 - PERFORMANCE FOOD GROUP INC Total:	**8,473.80**
Vendor: VEN34122 - PERFORMANCE PLUS, LLC					
PERFORMANCE PLUS, LLC	14271	10/20/2022	123037	PRE-EMPLOYMENT TESTING	469.00
PERFORMANCE PLUS, LLC	14329	10/27/2022	123049	PRE-EMPLOYMENT TESTING	283.00
				Vendor VEN34122 - PERFORMANCE PLUS, LLC Total:	**752.00**
Vendor: VEN36014 - PHILLIP NORGARD					
PHILLIP NORGARD	217682	10/19/2022	20221019	MEAL REIMBURSEMENTS FOR 49ER TRAINING 9/26-9/29/22	184.52
				Vendor VEN36014 - PHILLIP NORGARD Total:	**184.52**
Vendor: VEN16192 - PLUNKETT'S PEST CONTROL, INC					
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7730005	SEPTEMBER PEST CONTROL - FIRE #4	148.00
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7730006	SEPTEMBER PEST CONTROL - PUBLIC WORKS	91.62
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7730028	SEPTEMBER PEST CONTROL - CITY HALL	174.10
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7730029	SEPTEMBER PEST CONTROL - FIRE #4	77.93
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7745582	SEPTEMBER PEST CONTROL - FIRE #2	100.43
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7746895	SEPTEMBER PEST CONTROL - KINGSTON PAVILLION	82.68
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7752025	SEPTEMBER PEST CONTROL - HERO CENTER	92.00
PLUNKETT'S PEST CONTROL, I	217631	10/12/2022	7733061	SEPTEMBER PEST CONTROL - RIVER OAKS	121.65
				Vendor VEN16192 - PLUNKETT'S PEST CONTROL, INC Total:	**888.41**
Vendor: VEN35660 - PRESERVATION DESIGN WORKS LLC					
PRESERVATION DESIGN WORK	14272	10/20/2022	3445	CEDARHURST MANSION DESIGN GUIDELINES 8/22-9/18/22	2,611.25
				Vendor VEN35660 - PRESERVATION DESIGN WORKS LLC Total:	**2,611.25**
Vendor: VEN16123 - PROGUARD SPORTS, INC.					
PROGUARD SPORTS, INC.	217772	10/26/2022	78927	POLY TAPE/LACES/PUCK/BALL/HAN D HONE/WHISTLE	853.40
				Vendor VEN16123 - PROGUARD SPORTS, INC. Total:	**853.40**
Vendor: VEN16138 - PUBLIC EMPLOYEES RETIREMENT ASSOCIATION					
PUBLIC EMPLOYEES RETIREM	14273	10/20/2022	INV025101	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	46,554.58
PUBLIC EMPLOYEES RETIREM	14273	10/20/2022	INV025102	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	67,943.60
				Vendor VEN16138 - PUBLIC EMPLOYEES RETIREMENT ASSOCIATION Total:	**114,498.18**
Vendor: VEN17336 - QUALITY PROPANE, INC					
QUALITY PROPANE, INC	14330	10/27/2022	1639417	BULK CYL	72.03
QUALITY PROPANE, INC	14330	10/27/2022	2012413	BULK CYL	134.06
				Vendor VEN17336 - QUALITY PROPANE, INC Total:	**206.09**
Vendor: VEN32756 - RAMSEY/WASHINGTON RECYCLING & ENERGY					
RAMSEY/WASHINGTON RECY	217683	10/19/2022	RESFA-005842	TRASH DISPOSAL - SEPTEMBE	567.99
				Vendor VEN32756 - RAMSEY/WASHINGTON RECYCLING & ENERGY Total:	**567.99**
Vendor: VEN35788 - RELIABLE DRUG & ALCOHOL INC					
RELIABLE DRUG & ALCOHOL I	217684	10/19/2022	4976	DRUG TESTING	90.00
RELIABLE DRUG & ALCOHOL I	217684	10/19/2022	4976	DRUG TESTING	90.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
RELIABLE DRUG & ALCOHOL I	217684	10/19/2022	4976	DRUG TESTING	135.00
				Vendor VEN35788 - RELIABLE DRUG & ALCOHOL INC Total:	**315.00**
Vendor: VEN30564 - RICHARD V. KRUMM					
RICHARD V. KRUMM	217632	10/12/2022	20221003	CONSTRUCTION MANAGMENT SVC - OAKWOOD PARK SHELTER	1,000.00
				Vendor VEN30564 - RICHARD V. KRUMM Total:	**1,000.00**
Vendor: VEN36019 - RICHARD/VICTORIA BRAUN					
RICHARD/VICTORIA BRAUN	217773	10/26/2022	20221026	REFUND UB ACCT# 800048620 - 6947 91ST COVE	96.73
				Vendor VEN36019 - RICHARD/VICTORIA BRAUN Total:	**96.73**
Vendor: VEN18156 - RIVER COUNTRY COOPERATIVE					
RIVER COUNTRY COOPERATIV	14331	10/27/2022	16892	55 GAL ISO 46 HYDRAULIC OIL	808.24
RIVER COUNTRY COOPERATIV	14331	10/27/2022	160156	310.4 GAL DYED DIESEL	1,376.72
RIVER COUNTRY COOPERATIV	14274	10/20/2022	160157	439.6 GAL UNLEADED GASOLINE	1,562.78
				Vendor VEN18156 - RIVER COUNTRY COOPERATIVE Total:	**3,747.74**
Vendor: VEN30368 - RIVER STATES TRUCK AND TRAILER, INC					
RIVER STATES TRUCK AND TRA	14224	10/13/2022	849456	RPL AIR COMP - 4008/34864	4,177.75
RIVER STATES TRUCK AND TRA	14224	10/13/2022	849538	RPL TRANSMISSION COOLING LINES - 4007/34855	2,717.73
RIVER STATES TRUCK AND TRA	14224	10/13/2022	849337	RPR ENGINE OIL LEAK - 4001/34789	4,061.50
RIVER STATES TRUCK AND TRA	14332	10/27/2022	937035	SLACK ADJUSTER - 4001/3494	241.26
				Vendor VEN30368 - RIVER STATES TRUCK AND TRAILER, INC Total:	**11,198.24**
Vendor: VEN30854 - ROHN INDUSTRIES, INC					
ROHN INDUSTRIES, INC	14275	10/20/2022	583978	DOCUMENT SHREDDING	32.72
				Vendor VEN30854 - ROHN INDUSTRIES, INC Total:	**32.72**
Vendor: VEN35272 - ROYAL TIRE INC					
ROYAL TIRE INC	217633	10/12/2022	337-58322	MNT/DISMNT TIRE & REPAIR - 6003/34891	50.40
ROYAL TIRE INC	217774	10/26/2022	337-58536	MNT & DISMNT 4 TIRES, O/S LABOR - 7045/34925	194.20
				Vendor VEN35272 - ROYAL TIRE INC Total:	**244.60**
Vendor: VEN18055 - RUMPCA EXCAVATING, INC					
RUMPCA EXCAVATING, INC	217775	10/26/2022	17530	PULVERIZED BLACK DIRT & DUMPING YARDS	120.00
RUMPCA EXCAVATING, INC	217775	10/26/2022	17530	PULVERIZED BLACK DIRT & DUMPING YARDS	450.00
RUMPCA EXCAVATING, INC	217775	10/26/2022	17530	PULVERIZED BLACK DIRT & DUMPING YARDS	39.00
				Vendor VEN18055 - RUMPCA EXCAVATING, INC Total:	**609.00**
Vendor: VEN18069 - RUMPCA SERVICES INC					
RUMPCA SERVICES INC	14276	10/20/2022	55408	SERVICE CALL TO CENTRAL FIRE FOR SEWER SMELL	69.00
				Vendor VEN18069 - RUMPCA SERVICES INC Total:	**69.00**
Vendor: VEN31914 - RYAN BURFEIND					
RYAN BURFEIND	217776	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR MTA DC FLYIN	36.11
				Vendor VEN31914 - RYAN BURFEIND Total:	**36.11**
Vendor: VEN35608 - SAM RHODE					
SAM RHODE	217777	10/26/2022	20221026	MEAL REIMBURSEMENTS FOR 49ER TRAINING 10/10-10/13	119.68
				Vendor VEN35608 - SAM RHODE Total:	**119.68**
Vendor: VEN36026 - SANDRA HELLE					
SANDRA HELLE	217778	10/26/2022	20221026	REFUND UB ACCT# 101854776 - 7671 HYDE AVE	105.90
				Vendor VEN36026 - SANDRA HELLE Total:	**105.90**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN29489 - SCHILLING SUPPLY COMPANY					
SCHILLING SUPPLY COMPANY	14225	10/13/2022	889156-00	BATH TISSUE/ROLL TOWEL-CITY HALL	319.16
				Vendor VEN29489 - SCHILLING SUPPLY COMPANY Total:	**319.16**
Vendor: VEN36025 - SCOTT DIESTLER					
SCOTT DIESTLER	217779	10/26/2022	20221026	REFUND UB ACCT# 103925764 - 7437 HIDDEN VA	58.43
				Vendor VEN36025 - SCOTT DIESTLER Total:	**58.43**
Vendor: VEN36018 - SEBASTIAN M WEIGEL					
SEBASTIAN M WEIGEL	217780	10/26/2022	20221026	REFUND UB ACCT# 102109022 - 6968 INNSDALE	42.90
				Vendor VEN36018 - SEBASTIAN M WEIGEL Total:	**42.90**
Vendor: VEN36021 - SHANNELL WINKELMAN					
SHANNELL WINKELMAN	217781	10/26/2022	20221026	REFUND UB ACCT# 800044027 - 9223 73RD ST S	16.18
				Vendor VEN36021 - SHANNELL WINKELMAN Total:	**16.18**
Vendor: VEN19284 - SHERWIN WILLIAMS					
SHERWIN WILLIAMS	217634	10/12/2022	1394-3	5GAL STRAINER ELASTIC-SIGN SHOP	43.71
SHERWIN WILLIAMS	217634	10/12/2022	5978-3	PAINT-PW	63.51
SHERWIN WILLIAMS	217634	10/12/2022	6010-4-2022	PAINT/PRIMER/TRAY LINERS-PW WASHBAY	144.76
SHERWIN WILLIAMS	217634	10/12/2022	1612-8	PAINT/PAINT BRUSHES-CITY HALL	103.82
SHERWIN WILLIAMS	217634	10/12/2022	6185-4	PAINT-FIRE #3	50.66
				Vendor VEN19284 - SHERWIN WILLIAMS Total:	**406.46**
Vendor: VEN31068 - SHI INTERNATIONAL CORP					
SHI INTERNATIONAL CORP	14277	10/20/2022	B15870911	ADOBE VOLUME LICENSE-EPRISE 9/13/22-10/15/22	21.00
SHI INTERNATIONAL CORP	14277	10/20/2022	B15912463	3-ADOBE VOLUME LICENSES 10/14/22-10/14/23	7,218.00
				Vendor VEN31068 - SHI INTERNATIONAL CORP Total:	**7,239.00**
Vendor: VEN19467 - SHORT ELLIOTT HENDRICKSON INC.					
SHORT ELLIOTT HENDRICKSO	14226	10/13/2022	433410	VERIZON L-SUB6 AT INNSDALE WT THRU 8/31/22	525.34
SHORT ELLIOTT HENDRICKSO	14226	10/13/2022	433411	DISH NETWORK NSB AT INWOOD WT THRU 8/31/22	1,337.32
SHORT ELLIOTT HENDRICKSO	14226	10/13/2022	433412	DISH NETWORK NSB AT 1MG INNSDALE WT THRU 8/31/22	967.50
SHORT ELLIOTT HENDRICKSO	14226	10/13/2022	433413	SPRINT DECOM AT GRANGE WT THRU 8/31/22	1,520.49
				Vendor VEN19467 - SHORT ELLIOTT HENDRICKSON INC. Total:	**4,350.65**
Vendor: VEN35036 - SIEVERS CREATIVE LLC					
SIEVERS CREATIVE LLC	14333	10/27/2022	INV-001180	NOV PREMIUM WEBSITE MAINTENANCE-VISITORS BUREAU	115.00
SIEVERS CREATIVE LLC	14333	10/27/2022	INV-001180	NOV SOCIAL MEDIA AD CAMPAIGN-VISITORS BUREAU	692.00
				Vendor VEN35036 - SIEVERS CREATIVE LLC Total:	**807.00**
Vendor: VEN35233 - SKYLINE RETAIL ACQUISTION I, LLC					
SKYLINE RETAIL ACQUISTION I	14334	10/27/2022	2500126307	INSTALLATION & DISMANTLE OF MNCAR EXHIBIT 10/26/22	3,225.00
				Vendor VEN35233 - SKYLINE RETAIL ACQUISTION I, LLC Total:	**3,225.00**
Vendor: VEN35034 - SMOOT ENTERPRISES ADVANCED SPORTSWEAR LLC					
SMOOT ENTERPRISES ADVAN	14227	10/13/2022	9887	UNIFORM & EMBROIDERY-LUBICH	82.00
SMOOT ENTERPRISES ADVAN	14335	10/27/2022	10321	UNIFORMS - S.RHODE & A.KOERNER	486.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
SMOOT ENTERPRISES ADVAN	14335	10/27/2022	10321	UNIFORMS - S.RHODE & A.KOERNER	310.00
			Vendor VEN35034 - SMOOT ENTERPRISES ADVANCED SPORTSWEAR LLC Total:		**878.00**
Vendor: VEN19312 - SOUTH WASHINGTON COUNTY COMMUNITY ED					
SOUTH WASHINGTON COUNT	217782	10/26/2022	2223-890	2022 PRIMARY ELECTIONS	53.74
			Vendor VEN19312 - SOUTH WASHINGTON COUNTY COMMUNITY ED Total:		**53.74**
Vendor: VEN16141 - ST PAUL PIONEER PRESS					
ST PAUL PIONEER PRESS	217685	10/19/2022	822569758	AUG ADS-GLACIAL VALLEY PARK	22.56
ST PAUL PIONEER PRESS	217685	10/19/2022	822569758	AUG ADS-THAI GARDEN	23.03
ST PAUL PIONEER PRESS	217685	10/19/2022	822569758	AUG ADS-ENDEAVOR DEVELOPMENT	26.32
ST PAUL PIONEER PRESS	217685	10/19/2022	822569758	AUG ADS-ANNUAL TIF DISCLOSURE	213.85
			Vendor VEN16141 - ST PAUL PIONEER PRESS Total:		**285.76**
Vendor: VEN31218 - STANTEC CONSULTING SERVICES INC					
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975334	1.5MG LOW ZONE ELEVATED TANK SVCS 7/2/22-7/29/22	9,636.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975335	NATURAL RESOURCE-EAST RAVINE PKWY SVCS 7/2-7/29/22	1,446.66
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975335	NATURAL RESOURCE-HIDDEN VALLEY SVCS 7/2/22-7/29/22	1,060.68
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975335	NATURAL RESOURCE-HIDDEN VALLEY SVCS 7/2/22-7/29/22	1,060.67
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975336	NATURAL RESOURCE-EAST RAVINE SVCS 7/2-7/29/22	535.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975336	NATURAL RESOURCE-HIDDEN VALLEY SVCS 7/2-7/29/22	1,232.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975336	NATURAL RESOURCE-WEST DRAW PARK SVCS 7/2-7/29/2	949.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975336	NATURAL RESOURCE-HIDDEN VALLEY SVCS 7/2-7/29/22	1,232.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975336	NATURAL RESOURCE-HARDWOOD PARK SVCS 7/2-7/29/22	3,474.97
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975336	NATURAL RESOURCE-PINE TREE PARK SVCS 7/2-7/29/22	2,976.31
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975337	RENEWAL BY ANDERSEN SVCS 7/2/22-7/29/22	336.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975342	NORTHPOINT DEVELOPMENT SVCS 7/2/22-7/29/22	10,691.90
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975345	CALAROSA 5TH ADDITION SVCS 7/2/22-7/29/22	595.71
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975346	CALAROSA 6TH ADDITION SVCS 7/2/22-7/29/22	993.25
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975348	PRESERVE AT PRAIRIE DUNES SVCS 7/2/22-7/29/22	420.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975350	GRAYMONT VILLAGE SVCS 7/2/22-7/29/22	2,731.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975351	STREETS/TRANSPORTATION SVCS 7/2/22-7/29/22	395.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975352	GENERAL-BRIDGE PROJECT FUNDING SVCS 7/2/22-7/29/2	97.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975352	STORY MAP-RECREATION SVCS 7/2/22-7/29/22	2,159.25
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975352	UTILITY BLDG PROJECT MANAGEMENT SVC 7/2/22-7/29/22	1,415.25
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975352	105TH ST/100TH ST/IDEAL AVE SVCS 7/2/22-7/29/22	336.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975355	PFAS PILOT STUDY SVCS 7/2/22-7/29/22	14,969.34

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975355	PFC ANALYSIS SVCS 7/2/22-7/29/22	1,650.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975355	GENERAL-RIVER ACRES & GRANADA SVCS 7/2/22-7/29/22	48.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975356	SUMMERS LANDING 4TH ADDITION SVCS 7/2/22-7/29/22	408.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975358	SUMMERS LANDING 5TH ADDITION SVCS 7/2/22-7/29/22	1,460.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975359	INTERMED ZONE WATER TREAT PLANT SVC 7/2/22-7/2	917.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975363	AGGREGATE INDUSTRIES EIS SUPPORT SVCS 7/2-7/29/22	15,882.40
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975365	2021 BRIDGE INSPECTIONS SVCS 7/2/22-7/29/22	568.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975366	GOODVIEW AVE WATERMAIN EXTEN SVCS 7/2/22-7/29/22	3,334.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975522	LOW ZONE WTP SVCS 7/2/22-7/29/22	23,124.13
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975523	105TH ST/100TH ST/IDEAL AVE SVCS 7/2/22-7/29/22	56,335.68
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975524	LOW ZONE RAW WATER MAIN PHASE 1 SVC 7/2/22-7/	36,405.02
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975525	LOW ZONE RAW WATER MAIN PHASE 2 SVC 7/2/22-7/	242.50
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975526	WELL 13 SVCS 7/2/22-7/29/2	3,471.00
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975529	SOUTH DISTRICT STREET & UTILITY SVC 7/2/22-7/29/22	5,824.42
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975531	WELL 7 TEMPORARY TREATMENT PLANT SVCS 7/2-7/29/22	2,048.75
STANTEC CONSULTING SERVIC	14336	10/27/2022	1975532	WELL 2 TEMPORARY TREATMENT PLANT SVCS 7/2-7/29/22	2,410.75
				Vendor VEN31218 - STANTEC CONSULTING SERVICES INC Total:	**212,876.14**
Vendor: VEN33935 - STEENBERG WATRUD CONSTRUCTION LLC					
STEENBERG WATRUD CONSTR	217635	10/12/2022	9840-2	RELEASE RETAINAGE - HAMLET PARK BUILDING CON	9,212.30
STEENBERG WATRUD CONSTR	217783	10/26/2022	6	RELEASE RETAINAGE - OAKWOOD PARK BUILDING CONCRETE	2,854.65
				Vendor VEN33935 - STEENBERG WATRUD CONSTRUCTION LLC Total:	**12,066.95**
Vendor: VEN33123 - STEVEN LOEL LOWARY					
STEVEN LOEL LOWARY	217784	10/26/2022	20221004	OAKWOOD SHELTER - PAINTING	2,980.00
				Vendor VEN33123 - STEVEN LOEL LOWARY Total:	**2,980.00**
Vendor: VEN33489 - STEVEN MICHAEL WICKELGREN					
STEVEN MICHAEL WICKELGRE	14228	10/13/2022	1117	COUNSELING SERVICES - SEPTEMBER	1,702.50
				Vendor VEN33489 - STEVEN MICHAEL WICKELGREN Total:	**1,702.50**
Vendor: VEN19525 - STRYKER SALES CORPORATION					
STRYKER SALES CORPORATIO	14339	10/27/2022	3908639M	PROCARE SERVICE AGREEMENT 10/1/22-9/30/2	8,370.00
				Vendor VEN19525 - STRYKER SALES CORPORATION Total:	**8,370.00**
Vendor: VEN35921 - SUNRAM CONSTRUCTION INC					
SUNRAM CONSTRUCTION INC	217645	10/12/2022	20221007	PYMT 4-GLACIAL VALLEY PARK SVCS 9/10/22-10/7/22	155,843.42
				Vendor VEN35921 - SUNRAM CONSTRUCTION INC Total:	**155,843.42**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN31202 - SUPERIOR TURF SERVICES, INC					
SUPERIOR TURF SERVICES, IN	217636	10/12/2022	3024	T-NEX 1AQ/OCTANE-RIVER OAKS	1,455.86
				Vendor VEN31202 - SUPERIOR TURF SERVICES, INC Total:	**1,455.86**
Vendor: VEN20035 - T.A. SCHIFSKY & SONS INC					
T.A. SCHIFSKY & SONS INC	217637	10/12/2022	68454	1/2" AGGREGATE MIX-2.00 TON	148.00
T.A. SCHIFSKY & SONS INC	217637	10/12/2022	68454	3/8" AGGREGATE MIX-8.93 TON	669.75
T.A. SCHIFSKY & SONS INC	217686	10/19/2022	68476	1-5 GAL PAIL TACK OIL	43.00
T.A. SCHIFSKY & SONS INC	217686	10/19/2022	68476	3/8" AGGREGATE MIX-11.98 TON	898.50
T.A. SCHIFSKY & SONS INC	217686	10/19/2022	68476	1/2" AGGREGATE MIX-55.29 TON	4,312.62
T.A. SCHIFSKY & SONS INC	217686	10/19/2022	68476	1/2" AGGREGATE MIX-23.12 TON INNSDALE WATERMAIN	1,710.88
T.A. SCHIFSKY & SONS INC	217785	10/26/2022	68499	3/8" AGGREGATE MIX-10.97 TON	822.74
T.A. SCHIFSKY & SONS INC	217785	10/26/2022	68499	3/8" AGGREGATE MIX-10.97 TON	0.01
				Vendor VEN20035 - T.A. SCHIFSKY & SONS INC Total:	**8,605.50**
Vendor: VEN31193 - TAMMY ANDERSON					
TAMMY ANDERSON	217786	10/26/2022	20221026-1	REIMBURSEMENT FOR EMPLOYEE FALL GET TOGETHER EVENT	53.15
TAMMY ANDERSON	217786	10/26/2022	20221026-2	MILEAGE REIMBURSEMENT FOR LIQUOR LICENSE TRAINING	52.50
TAMMY ANDERSON	217786	10/26/2022	20221026-3	MILEAGE REIMBURSEMENT FOR 2022 CLERK ACADEMY	43.75
				Vendor VEN31193 - TAMMY ANDERSON Total:	**149.40**
Vendor: VEN35338 - TECTA AMERICA CORPORATION					
TECTA AMERICA CORPORATIO	14229	10/13/2022	S510099196	2022 ROOFING TECTA TRACKER REPAIRS-PUBLIC WO	2,738.00
TECTA AMERICA CORPORATIO	14340	10/27/2022	S510100355	2022 ROOFING TECTA TRACKER REPAIRS-ICE ARENA	10,229.00
				Vendor VEN35338 - TECTA AMERICA CORPORATION Total:	**12,967.00**
Vendor: VEN20005 - TELEMETRY AND PROCESS CONTROLS INC					
TELEMETRY AND PROCESS CO	14230	10/13/2022	114685	PROGRAM 3 SPARE RADIOS FOR FIELD INSTALLATION	7,943.25
				Vendor VEN20005 - TELEMETRY AND PROCESS CONTROLS INC Total:	**7,943.25**
Vendor: VEN20049 - TENNIS ROLL OFF, L.L.C.					
TENNIS ROLL OFF, L.L.C.	217687	10/19/2022	3399959	DUMPSTER AT PW	183.54
TENNIS ROLL OFF, L.L.C.	217687	10/19/2022	3399959	DUMPSTER AT PW	183.54
TENNIS ROLL OFF, L.L.C.	217687	10/19/2022	3399959	DUMPSTER AT PW	183.54
TENNIS ROLL OFF, L.L.C.	217687	10/19/2022	3399959	DUMPSTER AT PW	183.54
				Vendor VEN20049 - TENNIS ROLL OFF, L.L.C. Total:	**734.16**
Vendor: VEN20038 - TENNIS SANITATION LLC					
TENNIS SANITATION LLC	217638	10/12/2022	3399677	SEPTEMBER TRASH SERVICE - FIRE #2	14.04
TENNIS SANITATION LLC	217638	10/12/2022	3399678	SEPTEMBER TRASH SERIVCE - PW GARAGE	94.62
TENNIS SANITATION LLC	217638	10/12/2022	3399680	SEPTEMBER TRASH SERVICE - PARKS	192.33
TENNIS SANITATION LLC	217638	10/12/2022	3399681	SEPTEMBER TRASH SERVICE - FIRE #4	28.15
TENNIS SANITATION LLC	217638	10/12/2022	3399682	SEPTEMBER TRASH SERVICE - FIRE #3	19.66
TENNIS SANITATION LLC	217638	10/12/2022	3399684	SEPTEMBER TRASH SERVICE - PW OIL	78.79

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
TENNIS SANITATION LLC	217638	10/12/2022	3399685	SEPTEMBER TRASH SERVICE - CITY HALL	51.67
				Vendor VEN20038 - TENNIS SANITATION LLC Total:	**479.26**
Vendor: VEN32056 - THE COTTAGE GROVE PROFESSIONAL FIREFIGHTERS					
THE COTTAGE GROVE PROFES	14278	10/20/2022	INV025097	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	550.00
				Vendor VEN32056 - THE COTTAGE GROVE PROFESSIONAL FIREFIGHTERS Total:	**550.00**
Vendor: VEN35469 - THE SOUTH WASHINGTON WATERSHED DISTRICT					
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	SUMMERS LANDING 4TH-EROSION & SEDIMENT INSPECTION	96.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	SUMMERS LANDING 5TH-EROSION & SEDIMENT INSPECTION	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	PARKVIEW POINTE-EROSION & SEDIMENT INSPECTION	82.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	SETTLERS BLUFF 1ST-EROSION & SEDIMENT INSPECTION	126.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	BAILEY WOODS-EROSION & SEDIMENT INSPECTION	102.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	WOODWARD 1ST-EROSION & SEDIMENT INSPECTION	112.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	NORTHWICK PARK 2ND-EROSION & SEDIMENT INSPECTION	177.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	3M-EROSION & SEDIMENT INSPECTION	120.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	CALAROSA 6TH-EROSION & SEDIMENT INSPECTION	171.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	HIGH POINTE 2ND-EROSION & SEDIMENT INSPECTION	160.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	CALAROSA 5TH-EROSION & SEDIMENT INSPECTION	157.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	GLACIAL VALLEY 2ND-EROSION & SEDIMENT INSPEC	150.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	HIGH POINTE 1ST-EROSION & SEDIMENT INSPECTION	143.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	SETTLERS BLUFF 2ND-EROSION & SEDIMENT INSPEC	140.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	NORTHWICK PARK 1ST-EROSION & SEDIMENT INSPECTION	136.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	GLACIAL VALLEY 1ST-EROSION & SEDIMENT INSPECTION	136.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	WOODWARD 2ND-EROSION & SEDIMENT INSPECTION	181.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	ROLLING MEADOWS-EROSION & SEDIMENT INSPEC	301.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	LANGDON HILLS-EROSION & SEDIMENT INSPECTION	277.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	HINTON WOODS-EROSION & SEDIMENT INSPECTION	201.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	RENEWAL BY ANDERSEN-EROSION & SEDIMENT INSPECTION	13.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	EASTBROOKE 1ST-EROSION & SEDIMENT INSPECTION	41.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	THE VIEWS-EROSION & SEDIMENT INSPECTION	95.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	HAMLET HEIGHTS-EROSION & SEDIMENT INSPECTION	41.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	NORTH STAR SHEETS-EROSION & SEDIMENT INSPEC	51.25

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	YOUNG ADDITION-EROSION & SEDIMENT INSPECTION	75.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	EASTBROOKE 3RD-EROSION & SEDIMENT INSPECTION	41.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	CARDINAL RESERVE-EROSION & SEDIMENT INSPECTION	287.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	OPPIDAN APARTMENTS-EROSION & SEDIMENT INSPECTION	95.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	HAWTHORNE 1ST-EROSION & SEDIMENT INSPECTION	342.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	EASTBROOKE 2ND-EROSION & SEDIMENT INSPECTION	338.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	HAWTHORNE 2ND-EROSION & SEDIMENT INSPECTION	315.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-006	NORTHPOINT-EROSION & SEDIMENT INSPECTION	85.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	SUMMERS LANDING 5TH-EROSION & SEDIMENT INSPECTION	165.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	SUMMERS LANDING 4TH-EROSION & SEDIMENT INSPECTION	151.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	PARKVIEW POINTE-EROSION & SEDIMENT INSPECTION	55.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	ROLLING MEADOWS-EROSION & SEDIMENT INSPEC	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	3M-EROSION & SEDIMENT INSPECTION	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	RENEWAL BY ANDERSEN-EROSION & SEDIMENT INSPECTION	95.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	NORTHPOINT-EROSION & SEDIMENT INSPECTION	95.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	HIGH POINTE 1ST-EROSION & SEDIMENT INSPECTION	96.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	HAWTHORNE 2ND-EROSION & SEDIMENT INSPECTION	110.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	HAWTHORNE 1ST-EROSION & SEDIMENT INSPECTION	220.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	THE VIEWS-EROSION & SEDIMENT INSPECTION	136.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	OPPIDAN APARTMENTS-EROSION & SEDIMENT INSPECTION	150.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	CALAROSA 6TH-EROSION & SEDIMENT INSPECTION	165.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	LANGDON HILLS-EROSION & SEDIMENT INSPECTION	192.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	SETTLERS BLUFF 2ND-EROSION & SEDIMENT INSPEC	261.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	EASTBROOKE 2ND-EROSION & SEDIMENT INSPECTION	226.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	SETTLERS BLUFF 1ST-EROSION & SEDIMENT INSPECTION	220.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	CARDINAL RESERVE-EROSION & SEDIMENT INSPECTION	123.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	NORTHWICK PARK 2ND-EROSION & SEDIMENT INSPECTION	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	CALAROSA 5TH-EROSION & SEDIMENT INSPECTION	165.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	WOODWARD 1ST-EROSION & SEDIMENT INSPECTION	41.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	WOODWARD 2ND-EROSION & SEDIMENT INSPECTION	65.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	EASTBROOKE 1ST-EROSION & SEDIMENT INSPECTION	55.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	GLACIAL VALLEY 2ND-EROSION & SEDIMENT INSPEC	54.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	NORTHWICK PARK 1ST-EROSION & SEDIMENT INSPECTION	41.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	HAMLET HEIGHTS-EROSION & SEDIMENT INSPECTION	41.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	NORTH STAR SHEETS-EROSION & SEDIMENT INSPEC	41.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	HIGH POINTE 2ND-EROSION & SEDIMENT INSPECTION	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	HINTON WOODS-EROSION & SEDIMENT INSPECTION	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	GLACIAL VALLEY 1ST-EROSION & SEDIMENT INSPECTION	41.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	EASTBROOKE 3RD-EROSION & SEDIMENT INSPECTION	27.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	LEAFLINE LABS-EROSION & SEDIMENT INSPECTION	13.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	YOUNG ADDITION-EROSION & SEDIMENT INSPECTION	13.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-007	BAILEY WOODS-EROSION & SEDIMENT INSPECTION	13.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	SUMMERS LANDING 5TH-EROSION & SEDIMENT INSPECTION	82.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	SUMMERS LANDING 4TH-EROSION & SEDIMENT INSPECTION	68.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	PARKVIEW POINTE-EROSION & SEDIMENT INSPECTION	68.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	CARDINAL RESERVE-EROSION & SEDIMENT INSPECTION	275.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	NORTHWICK PARK 2ND-EROSION & SEDIMENT INSPECTION	271.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	LEAFLINE LABS-EROSION & SEDIMENT INSPECTION	68.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	WOODWARD 1ST-EROSION & SEDIMENT INSPECTION	68.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	ROLLING MEADOWS-EROSION & SEDIMENT INSPEC	284.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	HAWTHORNE 2ND-EROSION & SEDIMENT INSPECTION	96.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	WOODWARD 2ND-EROSION & SEDIMENT INSPECTION	260.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	SETTLERS BLUFF 2ND-EROSION & SEDIMENT INSPEC	247.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	HAWTHORNE 1ST-EROSION & SEDIMENT INSPECTION	233.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	EASTBROOKE 2ND-EROSION & SEDIMENT INSPECTION	233.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	LANGDON HILLS-EROSION & SEDIMENT INSPECTION	213.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	EASTBROOKE 3RD-EROSION & SEDIMENT INSPECTION	27.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	3M-EROSION & SEDIMENT INSPECTION	96.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	HINTON WOODS-EROSION & SEDIMENT INSPECTION	199.25

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	CALAROSA 6TH-EROSION & SEDIMENT INSPECTION	192.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	SETTLERS BLUFF 1ST-EROSION & SEDIMENT INSPECTION	205.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	GLACIAL VALLEY 2ND-EROSION & SEDIMENT INSPEC	171.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	THE VIEWS-EROSION & SEDIMENT INSPECTION	154.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	OPPIDAN APARTMENTS-EROSION & SEDIMENT INSPECTION	140.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	CALAROSA 5TH-EROSION & SEDIMENT INSPECTION	137.50
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	NORTHPOINT-EROSION & SEDIMENT INSPECTION	123.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	NORTHWICK PARK 1ST-EROSION & SEDIMENT INSPECTION	110.00
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	HIGH POINTE 2ND-EROSION & SEDIMENT INSPECTION	96.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	HIGH POINTE 1ST-EROSION & SEDIMENT INSPECTION	96.25
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	GLACIAL VALLEY 1ST-EROSION & SEDIMENT INSPECTION	181.75
THE SOUTH WASHINGTON W	217688	10/19/2022	22-008	EASTBROOKE 1ST-EROSION & SEDIMENT INSPECTION	27.50
			Vendor VEN35469 - THE SOUTH WASHINGTON WATERSHED DISTRICT Total:		**12,807.25**
Vendor: VEN35841 - THEISEN VENDING COMPANY INC					
THEISEN VENDING COMPANY	217639	10/12/2022	27708	COFFEE SUPPLIES-HERO CENTER	127.04
			Vendor VEN35841 - THEISEN VENDING COMPANY INC Total:		**127.04**
Vendor: VEN30281 - THOMSON REUTERS					
THOMSON REUTERS	217698	10/19/2022	847128231	SEPTEMBER INFORMATION CHARGES	197.25
			Vendor VEN30281 - THOMSON REUTERS Total:		**197.25**
Vendor: VEN36020 - TIM SCHULTZ					
TIM SCHULTZ	217787	10/26/2022	20221026	REFUND UB ACCT# 800051599 - 6364 82ND ST S	71.63
			Vendor VEN36020 - TIM SCHULTZ Total:		**71.63**
Vendor: VEN33351 - TIME COMMUNICATIONS, INC					
TIME COMMUNICATIONS, INC	217788	10/26/2022	2003-101422	ANSWERING SVC 10/14/22-11/10/22	315.46
			Vendor VEN33351 - TIME COMMUNICATIONS, INC Total:		**315.46**
Vendor: VEN35291 - TIMECLOCK PLUS LLC					
TIMECLOCK PLUS LLC	14341	10/27/2022	INV00163900	TIMECLOCK PLUS LICENSE RENEWAL 3/23/22-3/23/23	5,556.60
TIMECLOCK PLUS LLC	14341	10/27/2022	INV00163902	HARDWARE SUPPORT & MAINTENANCE 3/23/22-3/22/23	1,777.68
TIMECLOCK PLUS LLC	14231	10/13/2022	INV00214587	ANNUAL EMPLOYEE LICENSING OVERAGE 7/23/22	50.40
TIMECLOCK PLUS LLC	14341	10/27/2022	INV00218860	ANNUAL EMPLOYEE LICENSING OVERAGE 8/23/22	88.20
			Vendor VEN35291 - TIMECLOCK PLUS LLC Total:		**7,472.88**
Vendor: VEN29205 - TOTAL MECHANICAL SERVICES, INC					
TOTAL MECHANICAL SERVICES	14342	10/27/2022	S4478	NORTHSIDE SYSTEM GOING DOWN ON HIGH HEAD PSI-IC	575.00
			Vendor VEN29205 - TOTAL MECHANICAL SERVICES, INC Total:		**575.00**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN32866 - TRAFFIC LOGIX CORP					
TRAFFIC LOGIX CORP	217789	10/26/2022	SIN17927	ANNUAL SERVICE FEE FOR TRAFFIC SIGNALS 10/22-10/2	2,400.00
				Vendor VEN32866 - TRAFFIC LOGIX CORP Total:	**2,400.00**
Vendor: VEN20057 - TRANS UNION LLC					
TRANS UNION LLC	217640	10/12/2022	9240684	EMPLOYMENT CREDIT REPORTS	20.75
TRANS UNION LLC	217640	10/12/2022	9240684	EMPLOYMENT CREDIT REPORTS	10.37
				Vendor VEN20057 - TRANS UNION LLC Total:	**31.12**
Vendor: VEN32058 - TRANSUNION RISK AND ALTERNATIVE DATA SOLUTIONS, INC					
TRANSUNION RISK AND ALTE	217641	10/12/2022	71701-202209-1	SEPTEMBER INFORMATION CHARGES	104.60
				Vendor VEN32058 - TRANSUNION RISK AND ALTERNATIVE DATA SOLUTIONS, INC Total:	**104.60**
Vendor: VEN20030 - TRIO SUPPLY COMPANY					
TRIO SUPPLY COMPANY	14232	10/13/2022	792142	RESTAURANT SUPPLIES	85.81
TRIO SUPPLY COMPANY	14279	10/20/2022	794858	RESTAURANT SUPPLIES	967.03
				Vendor VEN20030 - TRIO SUPPLY COMPANY Total:	**1,052.84**
Vendor: VEN20095 - TRI-STATE BOBCAT, INC.					
TRI-STATE BOBCAT, INC.	14280	10/20/2022	N15074	T76 BOBCAT LOADER RENTAL CONTRACT 9/28/22-10/27/22	695.00
TRI-STATE BOBCAT, INC.	14280	10/20/2022	N15075	S76 BOBCAT LOADER RENTAL CONTRACT 9/28/22-10/27/22	525.00
				Vendor VEN20095 - TRI-STATE BOBCAT, INC. Total:	**1,220.00**
Vendor: VEN34415 - TWIN CITIES DOTS AND POP, LLC					
TWIN CITIES DOTS AND POP, L	217790	10/26/2022	I221006723	FOOD FOR ICE ARENA	1,209.60
				Vendor VEN34415 - TWIN CITIES DOTS AND POP, LLC Total:	**1,209.60**
Vendor: VEN35559 - TWIN CITIES TRANSPORT & RECOVERY INC					
TWIN CITIES TRANSPORT & RE	217642	10/12/2022	22-1003-116833	TOWING & IMPOUND/STORAGE CHARGE - CG22021444	620.00
				Vendor VEN35559 - TWIN CITIES TRANSPORT & RECOVERY INC Total:	**620.00**
Vendor: VEN21000 - ULINE					
ULINE	14281	10/20/2022	154175781	NITRILE GLOVES-EMS	244.14
ULINE	14233	10/13/2022	154228838	LATEX GLOVES/FORK EXTENSION-PW	361.41
ULINE	14233	10/13/2022	154342499	COVERALLS/HARD HATS-FACILITIES	323.22
ULINE	14343	10/27/2022	154909093	BOLLARD SLEEVES - FIRE DEPT	128.97
				Vendor VEN21000 - ULINE Total:	**1,057.74**
Vendor: VEN35435 - US FOODS, INC					
US FOODS, INC	14234	10/13/2022	4557207	FOOD FOR CLUBHOUSE	2,265.35
				Vendor VEN35435 - US FOODS, INC Total:	**2,265.35**
Vendor: VEN21009 - US POSTAL SERVICE					
US POSTAL SERVICE	217791	10/26/2022	20221026	POSTAGE	5,000.00
				Vendor VEN21009 - US POSTAL SERVICE Total:	**5,000.00**
Vendor: VEN22333 - VALLEY SALES OF HASTINGS, INC.					
VALLEY SALES OF HASTINGS, I	217699	10/19/2022	36560-2022	RPL FRNT AXLE BRKT,BALL JTS,AXLE SHAFTS-1503/34877	4,544.13
VALLEY SALES OF HASTINGS, I	217699	10/19/2022	36795	RPL LFT OUTER TIE ROD, ARM, ALIGNMENT - 1502/348	1,683.62
VALLEY SALES OF HASTINGS, I	217792	10/26/2022	36895	RPR TRANSMISSION LEAKS - 1405/34913	3,239.62
				Vendor VEN22333 - VALLEY SALES OF HASTINGS, INC. Total:	**9,467.37**
Vendor: VEN35692 - VAN METER INC					
VAN METER INC	217700	10/19/2022	S012366150.001	LIGHT BULBS-PARKS	85.58
VAN METER INC	217700	10/19/2022	S012366453.001	5 TAP KIT-PARKS	225.77
VAN METER INC	217700	10/19/2022	S012369012.001	FLOOD LIGHTS-SIGN SHOP	665.00

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
VAN METER INC	217793	10/26/2022	S012376501.001	CUTTING REELS-STREETLIGHT	173.46
VAN METER INC	217793	10/26/2022	S012376501.002	CONTACTOR & BUSS BAR-STREETLIGHTS	229.13
VAN METER INC	217793	10/26/2022	S012389375.001	CLEAR SILICONE ADHESIVE - ICE ARENA	34.25
				Vendor VEN35692 - VAN METER INC Total:	**1,413.19**
Vendor: VEN22353 - VERIZON WIRELESS					
VERIZON WIRELESS	14283	10/20/2022	9916905843	ADMIN DATA CARDS 8/29/22-9/28/22	35.01
VERIZON WIRELESS	14283	10/20/2022	9916905843	BUILDING DATA CARDS 8/29/22-9/28/22	280.07
VERIZON WIRELESS	14283	10/20/2022	9916905843	EMERGENCY MANAGEMENT DATA CARDS 8/29/22-9/28/22	40.01
VERIZON WIRELESS	14283	10/20/2022	9916905843	POLICE DATA CARDS 8/29/22-9/28/22	1,136.10
VERIZON WIRELESS	14283	10/20/2022	9916905843	FIRE DATA CARDS 8/29/22-9/28/22	160.04
VERIZON WIRELESS	14283	10/20/2022	9916905843	STREETS DATA CARDS 8/29/22 -9/28/22	565.44
VERIZON WIRELESS	14283	10/20/2022	9916905843	PW ADMIN DATA CARDS 8/29/22-9/28/22	35.01
VERIZON WIRELESS	14283	10/20/2022	9916905843	FORESTRY DATA CARDS 8/29/22-9/28/22	35.01
VERIZON WIRELESS	14283	10/20/2022	9916905843	PARKS DATA CARDS 8/29/22-9/28/22	586.21
VERIZON WIRELESS	14283	10/20/2022	9916905843	STORMWATER DATA CARDS 8/29/22-9/28/22	40.01
VERIZON WIRELESS	14283	10/20/2022	9916905843	CLUBHOUSE DATA CARDS 8/29/22-9/28/22	40.01
VERIZON WIRELESS	14283	10/20/2022	9916905843	WATER DATA CARDS 8/29/22-9/28/22	596.57
VERIZON WIRELESS	14283	10/20/2022	9916905843	SEWER DATA CARDS 8/29/22-9/28/22	55.60
VERIZON WIRELESS	14283	10/20/2022	9916905843	FIRE/EMS DATA CARDS 8/29/22-9/28/22	152.96
VERIZON WIRELESS	14283	10/20/2022	9916905843	FLEET DATA CARDS 8/29/22-9/28/22	10.29
VERIZON WIRELESS	14283	10/20/2022	9916905843	FACILITIES DATA CARDS 8/29/22-9/28/22	85.32
VERIZON WIRELESS	14283	10/20/2022	9916905843	IT DATA CARDS 8/29/22-9/28/22	120.03
VERIZON WIRELESS	14282	10/20/2022	9917394684	EMERGENCY PREP PHONES 9/5/22-10/4/22	64.46
				Vendor VEN22353 - VERIZON WIRELESS Total:	**4,038.15**
Vendor: VEN30818 - VISUAL COMPUTER SOLUTIONS, INC					
VISUAL COMPUTER SOLUTIO	14344	10/27/2022	18664	ANNUAL SUPPORT/HOST WEB PORTAL 12/2022-11/2023	4,689.36
				Vendor VEN30818 - VISUAL COMPUTER SOLUTIONS, INC Total:	**4,689.36**
Vendor: VEN23259 - WASHINGTON CONSERVATION DISTRICT					
WASHINGTON CONSERVATIO	217794	10/26/2022	5776	3RD QUARTER SHARED EDUCATOR	716.31
				Vendor VEN23259 - WASHINGTON CONSERVATION DISTRICT Total:	**716.31**
Vendor: VEN23139 - WASHINGTON COUNTY PUBLIC HEALTH & ENVIRONMENT DEPT					
WASHINGTON COUNTY PUBLI	14285	10/20/2022	202209	SEPTEMBER ENVIRONMENTAL CHARGE	198.80
WASHINGTON COUNTY PUBLI	14347	10/27/2022	2022-PHE-1027	VSQG HAZARDOUS WASTE COLLECTION PROGRAM	281.00
				Vendor VEN23139 - WASHINGTON COUNTY PUBLIC HEALTH & ENVIRONMENT DEPT Total:	**479.80**
Vendor: VEN23148 - WASHINGTON COUNTY					
WASHINGTON COUNTY	14345	10/27/2022	207337	PARCELS IN RURAL TAXING DISTRICT	98.68
				Vendor VEN23148 - WASHINGTON COUNTY Total:	**98.68**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN23157 - WASHINGTON COUNTY					
WASHINGTON COUNTY	14346	10/27/2022	20221003	DOCUMENT RECORDING	782.00
				Vendor VEN23157 - WASHINGTON COUNTY Total:	**782.00**
Vendor: VEN30136 - WASHINGTON CTY PUBLIC SAFETY RADIO					
WASHINGTON CTY PUBLIC SA	217643	10/12/2022	206594	3RD QTR RADIO SERVICES-FIR	700.14
WASHINGTON CTY PUBLIC SA	217643	10/12/2022	206594	3RD QTR RADIO SERVICES-FIR	3,150.63
WASHINGTON CTY PUBLIC SA	217643	10/12/2022	206594	3RD QTR RADIO SERVICES-FIR	3,150.63
				Vendor VEN30136 - WASHINGTON CTY PUBLIC SAFETY RADIO Total:	**7,001.40**
Vendor: VEN34963 - WASTE MANAGEMENT OF MINNESOTA INC					
WASTE MANAGEMENT OF MI	217795	10/26/2022	8793437-2282-0	COMPOST DUMPSTER SVC 10/1/22-10/31/22	437.28
				Vendor VEN34963 - WASTE MANAGEMENT OF MINNESOTA INC Total:	**437.28**
Vendor: VEN29141 - WATSON COMPANY INC.					
WATSON COMPANY INC.	14286	10/20/2022	129091	SNACKS FOR CLUBHOUSE	396.87
				Vendor VEN29141 - WATSON COMPANY INC. Total:	**396.87**
Vendor: VEN34802 - WAYNE BUTT					
WAYNE BUTT	217796	10/26/2022	20221026	RELEASE ESCROW - 7310 LAMAR AVE/FURBER FARMS	2,739.54
				Vendor VEN34802 - WAYNE BUTT Total:	**2,739.54**
Vendor: VEN23122 - WEATHER WATCH INC					
WEATHER WATCH INC	14348	10/27/2022	12022	WEATHER SERVICE - OCTOBER 2022	220.00
				Vendor VEN23122 - WEATHER WATCH INC Total:	**220.00**
Vendor: VEN35666 - WEX INC					
WEX INC	217701	10/19/2022	84236163	FUEL PURCHASES 9/7/22-10/6/22	28.92
WEX INC	217701	10/19/2022	84236163	FUEL PURCHASES 9/7/22-10/6/22	-0.34
				Vendor VEN35666 - WEX INC Total:	**28.58**
Vendor: VEN31705 - WISCONSIN SCTF					
WISCONSIN SCTF	217702	10/19/2022	INV025100	10/20/22 BIWEEKLY PAYROLL 9/26/22-10/9/22	623.07
				Vendor VEN31705 - WISCONSIN SCTF Total:	**623.07**
Vendor: VEN30736 - WOLD ARCHITECTS AND ENGINEERS, INC					
WOLD ARCHITECTS AND ENGI	217703	10/19/2022	81920	GLACIAL VALLEY PARK NEW BLDG THRU 70% CONTRACT DOC	21,205.40
				Vendor VEN30736 - WOLD ARCHITECTS AND ENGINEERS, INC Total:	**21,205.40**
Vendor: VEN30632 - WS&D PERMIT SERVICE					
WS&D PERMIT SERVICE	217704	10/19/2022	20221019	REFUND PERMIT# 2022-019389 - 9214 73RD ST S	102.00
				Vendor VEN30632 - WS&D PERMIT SERVICE Total:	**102.00**
Vendor: VEN33618 - XAVIER GUTIERREZ					
XAVIER GUTIERREZ	217797	10/26/2022	20221026	EMS UNIFORM REIMBURSEMENT - BOOTS	125.00
				Vendor VEN33618 - XAVIER GUTIERREZ Total:	**125.00**
Vendor: VEN24065 - XCEL ENERGY					
XCEL ENERGY	217705	10/19/2022	798575537	XCEL STREET LIGHTS 9/3/22-10/2/22	7,693.88
XCEL ENERGY	217705	10/19/2022	798917304	7751 70TH ST S FEEDPOINT 9/1/22-10/3/22	92.05
XCEL ENERGY	217705	10/19/2022	798930631	PSCH ELECTRICITY & GAS 9/5/22-10/4/22	9,616.11
XCEL ENERGY	217705	10/19/2022	798933956	RAVINE PKWY LIGHTS 9/5/22-10/4/22	187.20
XCEL ENERGY	217705	10/19/2022	799088587	6044 IDEN AVE S FEEDPOINT 9/5/22-10/4/22	22.18
XCEL ENERGY	217705	10/19/2022	799089707	HERO CENTER GAS 9/5/22-10/4/22	284.51

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
XCEL ENERGY	217705	10/19/2022	799101676	OAKWOOD PARK 9/5/22-10/4/22	30.69
XCEL ENERGY	217705	10/19/2022	799102552	7863 JEFFERY AVE S FEEDPOINT 9/5/22-10/4/22	12.17
XCEL ENERGY	217705	10/19/2022	799104024	6384 HIGHLAND HILLS CURVE FEEDPOINT 9/5/22-10/4/22	10.17
XCEL ENERGY	217705	10/19/2022	799104147	6459 JENSEN AVE S FEEDPOINT 9/5/22-10/4/22	84.19
XCEL ENERGY	217705	10/19/2022	799109095	8503A JENSEN AVE S FEEDPOINT 9/5/22-10/4/22	123.23
XCEL ENERGY	217705	10/19/2022	799229096	TRAFFIC SIGNALS 9/5/22-10/4/22	953.93
XCEL ENERGY	217705	10/19/2022	799330524	80TH/JAMAICA LIGHTS 9/5/22-10/4/22	1,250.02
XCEL ENERGY	217798	10/26/2022	799793252	LIFT STATION 9/10/22-10/9/2	191.68
XCEL ENERGY	217798	10/26/2022	799825708	SOUTHPOINT 9/11/22-10/10/22	157.51
XCEL ENERGY	217798	10/26/2022	799842099	SEWER LIFT STATION 9/11/22-10/10/22	37.91
XCEL ENERGY	217798	10/26/2022	799853242	8500 95TH ST S UNIT TRAFFIC SIGNAL 9/11-10/10/22	82.34
XCEL ENERGY	217798	10/26/2022	799853540	BOOSTER BYPASS 9/11/22-10/10/22	40.57
XCEL ENERGY	217798	10/26/2022	799854879	6490 IDSEN AVE S FEEDPOINT 9/11/22-10/10/22	119.85
XCEL ENERGY	217798	10/26/2022	799859038	7064 W PT DOUGLAS RD S FEEDPOINT 9/11/22-10/10/2	59.47
XCEL ENERGY	217798	10/26/2022	799866363	8031 80TH ST S FEEDPOINT 9/11/22-10/10/22	178.78
XCEL ENERGY	217798	10/26/2022	799894575	HERO CENTER ELEC 9/11/22-10/10/22	8,461.59
XCEL ENERGY	217798	10/26/2022	799901704	8311 60TH ST S UNIT ST LIGHTS 9/11/22-10/10/22	79.99
XCEL ENERGY	217798	10/26/2022	799910346	6424 HARKNESS AVE S FEEDPOINT 9/11/22-10/10/2	52.08
XCEL ENERGY	217798	10/26/2022	799912367	9200 GRANADA AVE S FEEDPOINT 9/11/22-10/10/2	61.44
XCEL ENERGY	217798	10/26/2022	799912784	9750 65TH ST S FEEDPOINT 9/11/22-10/10/22	92.64
XCEL ENERGY	217798	10/26/2022	799919656	6497 INSPIRE CIR S FEEDPOINT 9/11/22-10/10/2	47.39
XCEL ENERGY	217798	10/26/2022	799921672	SETTLERS BLUFF LS-10294A GREYSTONE 9/11-10/10/22	28.87
XCEL ENERGY	217798	10/26/2022	799935916	8193 GRANGE BLVD UNIT SIREN 9/11/22-10/10/22	19.50
XCEL ENERGY	217798	10/26/2022	799937464	EASTBROOK HOA 9/11/22-10/10/22	12.83
XCEL ENERGY	217798	10/26/2022	799938211	6527 GENEVIEVE TRL FEEDPOINT 9/11/22-10/10/2	25.24
XCEL ENERGY	217798	10/26/2022	800123891	CENTRAL FIRE 9/11/22-10/10/22	2,912.71
XCEL ENERGY	217798	10/26/2022	800145084	PINE COULEE LIGHTS 9/11/22 -10/10/22	87.98
XCEL ENERGY	217798	10/26/2022	800180835	PRO SHOP 9/11/22-10/10/22	633.31
XCEL ENERGY	217798	10/26/2022	800180835	PUMPHOUSE 9/11/22-10/10/22	2,924.35
XCEL ENERGY	217798	10/26/2022	800180835	MAINT BLDG 9/11/22-10/10/22	213.48
XCEL ENERGY	217798	10/26/2022	800180835	CLUBHOUSE 9/11/22-10/10/2	2,895.24
XCEL ENERGY	217798	10/26/2022	800203450	WATER 9/10/22-10/9/22	44,515.76
XCEL ENERGY	217798	10/26/2022	800357218	GLENDENNING 9/14/22-10/13/22	20.39
XCEL ENERGY	217798	10/26/2022	800618836	ICE ARENA 9/11/22-10/10/22	24,352.92
				Vendor VEN24065 - XCEL ENERGY Total:	**108,666.15**

Vendor Name	Payment Number	Payment Date	Payable Number	Description (Item)	Amount
Vendor: VEN26002 - ZARNOTH BRUSH WORKS INC					
ZARNOTH BRUSH WORKS INC	14235	10/13/2022	191098-IN	GUTTER BROOMS - 8603/34893 & 8601/34894	1,705.50
				Vendor VEN26002 - ZARNOTH BRUSH WORKS INC Total:	**1,705.50**
				Grand Total:	**4,250,435.52**

Report Summary

Fund Summary

Fund	Payment Amount
100 - GENERAL FUND	236,754.18
215 - RECYCLING	437.28
230 - SURFACE WATER MANAGEMENT	12,106.82
235 - SEALCOATING FUND	3,999.00
240 - FORFEITURE & SEIZURE	18.25
250 - ICE ARENA	40,316.49
255 - GOLF COURSE SPECIAL REVENUE FUND	58,811.10
285 - ECONOMIC DEVELOPMENT AUTHORITY	12,855.73
286 - ECONOMIC DEVELOPMENT TRUST	522.28
290 - HERO CENTER OPERATIONS	13,947.32
300 - CLOSED DEBT	4,615.00
455 - 3M SETTLEMENT - MPCA	679,473.72
500 - COMPLETED CONSTRUCTION	94,091.51
510 - FUTURE PROJECTS	18,726.17
515 - PARK CAPITAL IMPROVEMENT FUND	21,350.95
520 - MSA CONSTRUCTION	43,841.51
534 - TIF 1-12	213.85
560 - PAVEMENT MANAGEMENT	10,488.50
568 - DEVELOPER PETITIONED PROJECTS	24,491.92
570 - PARK TRUST	305,294.48
575 - WATER CONNECT/AREA	484,484.84
580 - SEWER CONNECTION/AREA	19,259.25
585 - STORM CONNECTION/AREA	749,150.28
610 - WATER OPERATING	184,555.62
620 - SEWER OPERATING	445,880.86
630 - STREET LIGHTS	21,662.45
660 - SOUTH WASHINTON COUNTY AMBUL	19,486.36
700 - SELF INSURANCE	15,090.22
710 - FLEET MAINTENANCE	125,805.69
720 - INFORMATION TECHNOLOGY	43,366.55
810 - DEVELOPER LETTER OF CREDIT	291,761.64
990 - PAYROLL FUND	267,575.70
Grand Total:	**4,250,435.52**

Account Summary

Account Number	Account Name	Payment Amount
100-00-9100-2034	COBRA INSURANCE	3,256.61
100-02-0110-4210	OP SUPPLY-OTHER	5.50
100-02-0110-4310	COMMUNICATION	35.01
100-02-0110-4340	PRINTING	27.50
100-02-0110-4403	TRAVEL/TRAIN/CON	178.62
100-03-0150-4302	LEGAL SERVICE	19,254.00
100-04-0200-4300	PROF SERVICES	309.58
100-04-0200-4302	LEGAL SERVICE	5,000.00
100-04-0200-4403	TRAVEL/TRAIN/CON	126.25
100-04-0210-4300	PROF SERVICES	53.74
100-05-0300-4210	OP SUPPLY-OTHER	179.99
100-05-0300-4305	FEES FOR SERVICE	98.68
100-08-0395-4340	PRINTING	5,328.08
100-09-2500-4210	OP SUPPLY-OTHER	42.18
100-09-2500-4272	OP SUP-BUILDINGS	319.16
100-09-2500-4305	FEES FOR SERVICE	206.82
100-09-2500-4311	POSTAGE	5,000.00
100-09-2500-4360	UTILITIES	9,616.11
100-09-2500-4372	MAINT-REPAIR/BLD	1,699.73
100-09-2500-4380	RENTAL/LEASE	1,521.50
100-09-2500-4405	CLEAN/WASTE REMV	7,961.37

Account Summary

Account Number	Account Name	Payment Amount
100-10-1100-4210	OP SUPPLY-OTHER	5.50
100-10-1100-4300	PROF SERVICES	2,611.25
100-10-1100-4305	FEES FOR SERVICE	782.00
100-10-1100-4341	ADVER/PUBLISH	71.91
100-10-1100-4434	SPECIAL EVENTS	209.84
100-13-1000-2041	SURCHARGE PAYABL	14,359.50
100-13-1000-3140	BUILDING PERMIT	204.00
100-13-1000-3519	OTHER CHARGE SVS	308.16
100-13-1000-4300	PROF SERVICES	40,292.58
100-13-1000-4310	COMMUNICATION	280.07
100-13-1000-4375	CHARGE-FLEET MNT	35.00
100-13-1030-3147	BUILDING PERMITS DEN	12,686.72
100-13-1030-4300	PROF SERVICES	323.70
100-14-2040-4301	ENGINEERING SVS	12,406.50
100-15-0400-4310	COMMUNICATION	804.61
100-15-0400-4360	UTILITIES	19.50
100-15-0400-4530	MACH & EQUIPMENT	16,105.00
100-21-0500-4210	OP SUPPLY-OTHER	74.28
100-21-0500-4211	MOTOR FUELS	28.92
100-21-0500-4217	CLOTHING/UNIFORM	92.77
100-21-0500-4300	PROF SERVICES	375.00
100-21-0500-4305	FEES FOR SERVICE	333.92
100-21-0500-4310	COMMUNICATION	1,136.10
100-21-0500-4321	DATA PROCESSING	3,960.00
100-21-0500-4380	RENTAL/LEASE	676.11
100-21-0500-4403	TRAVEL/TRAIN/CON	4,338.31
100-21-0500-4405	CLEAN/WASTE REMV	281.00
100-21-0500-4449	OTHER CONTRACT	620.00
100-21-0537-4305	FEES FOR SERVICE	35.00
100-23-0450-4217	CLOTHING/UNIFORM	1,524.84
100-23-0450-4305	FEES FOR SERVICE	2,216.00
100-26-0800-4147	UNEMPLOYMENT	712.48
100-26-0800-4210	OP SUPPLY-OTHER	327.92
100-26-0800-4217	CLOTHING/UNIFORM	257.13
100-26-0800-4270	OP SUP-VEH/EQ	1,028.49
100-26-0800-4272	OP SUP-BUILDINGS	16.05
100-26-0800-4300	PROF SERVICES	1,669.00
100-26-0800-4305	FEES FOR SERVICE	546.35
100-26-0800-4310	COMMUNICATION	3,621.13
100-26-0800-4340	PRINTING	27.50
100-26-0800-4360	UTILITIES	2,947.25
100-26-0800-4370	MAINT-REPAIR/EQ	4,217.93
100-26-0800-4372	MAINT-REPAIR/BLD	2,253.66
100-26-0800-4380	RENTAL/LEASE	230.86
100-26-0800-4403	TRAVEL/TRAIN/CON	3,674.37
100-26-0800-4405	CLEAN/WASTE REMV	1,839.85
100-31-1200-4210	OP SUPPLY-OTHER	333.87
100-31-1200-4217	CLOTHING/UNIFORM	965.76
100-31-1200-4271	OP SUP-OTHER IMP	3,719.81
100-31-1200-4300	PROF SERVICES	35.30
100-31-1200-4301	ENGINEERING SVS	1,983.00
100-31-1200-4305	FEES FOR SERVICE	1,982.16
100-31-1200-4310	COMMUNICATION	565.44
100-31-1200-4371	MAINT-REPAIR/OTH	206.09
100-31-1200-4380	RENTAL/LEASE	695.00
100-31-1200-4403	TRAVEL/TRAIN/CON	942.78
100-31-1200-4405	CLEAN/WASTE REMV	183.54
100-32-1260-4210	OP SUPPLY-OTHER	2,668.63

Account Summary

Account Number	Account Name	Payment Amount
100-32-1260-4300	PROF SERVICES	35.30
100-34-1290-4210	OP SUPPLY-OTHER	792.00
100-35-2005-4210	OP SUPPLY-OTHER	445.41
100-35-2005-4305	FEES FOR SERVICE	719.58
100-35-2005-4310	COMMUNICATION	35.01
100-35-2005-4372	MAINT-REPAIR/BLD	3,180.00
100-35-2005-4380	RENTAL/LEASE	877.43
100-35-2005-4405	CLEAN/WASTE REMV	1,813.41
100-35-2009-4360	UTILITIES	20.39
100-36-2200-4310	COMMUNICATION	35.01
100-36-2200-4403	TRAVEL/TRAIN/CON	118.72
100-41-1500-4210	OP SUPPLY-OTHER	1,155.44
100-41-1500-4212	LUB/ADD	47.80
100-41-1500-4217	CLOTHING/UNIFORM	310.00
100-41-1500-4271	OP SUP-OTHER IMP	249.65
100-41-1500-4272	OP SUP-BUILDINGS	112.47
100-41-1500-4300	PROF SERVICES	70.60
100-41-1500-4305	FEES FOR SERVICE	3,324.86
100-41-1500-4310	COMMUNICATION	588.80
100-41-1500-4360	UTILITIES	213.20
100-41-1500-4371	MAINT-REPAIR/OTH	475.00
100-41-1500-4372	MAINT-REPAIR/BLD	690.13
100-41-1500-4380	RENTAL/LEASE	4,301.40
100-41-1500-4403	TRAVEL/TRAIN/CON	565.95
100-41-1500-4405	CLEAN/WASTE REMV	1,142.66
100-51-2300-4210	OP SUPPLY-OTHER	156.00
100-51-2300-4310	COMMUNICATION	102.06
100-51-2300-4380	RENTAL/LEASE	106.03
215-54-1900-4405	CLEAN/WASTE REMV	437.28
230-60-3200-4210	OP SUPPLY-OTHER	222.88
230-60-3200-4300	PROF SERVICES	716.31
230-60-3200-4301	ENGINEERING SVS	3,341.00
230-60-3200-4305	FEES FOR SERVICE	5,768.14
230-60-3200-4310	COMMUNICATION	40.01
230-61-3260-4305	FEES FOR SERVICE	310.35
230-61-3260-4311	POSTAGE	502.03
230-61-3260-4321	DATA PROCESSING	917.00
230-61-3260-4340	PRINTING	289.10
235-00-1217-4371	MAINT-REPAIR/OTH	3,999.00
240-21-0552-4449	OTHER CONTRACT	18.25
250-77-3700-4209	OP SUPPLIES-CLEN	117.32
250-77-3700-4210	OP SUPPLY-OTHER	155.40
250-77-3700-4211	MOTOR FUELS	442.39
250-77-3700-4300	PROF SERVICES	90.00
250-77-3700-4305	FEES FOR SERVICE	50.00
250-77-3700-4310	COMMUNICATION	227.54
250-77-3700-4340	PRINTING	27.50
250-77-3700-4360	UTILITIES	24,352.92
250-77-3700-4370	MAINT-REPAIR/EQ	575.00
250-77-3700-4372	MAINT-REPAIR/BLD	11,353.25
250-77-3700-4380	RENTAL/LEASE	106.03
250-77-3700-4436	PROSHOP RESALE	853.40
250-77-3700-4438	VENDING RESALE	154.72
250-77-3740-4438	CONCESSIONS RESALE	1,811.02
255-00-9255-1192	OTHER ACCOUNT RECEI	3,309.68
255-53-2100-4210	OP SUPPLY-OTHER	969.34
255-53-2100-4300	PROF SERVICES	90.00
255-53-2100-4305	FEES FOR SERVICE	5,135.26

Account Summary

Account Number	Account Name	Payment Amount
255-53-2100-4310	COMMUNICATION	957.39
255-53-2100-4360	UTILITIES	683.69
255-53-2100-4438	PRO/MISC RESALE	1,728.60
255-55-2105-4210	OP SUPPLY-OTHER	68.39
255-55-2105-4211	MOTOR FUELS	2,939.50
255-55-2105-4212	LUB/ADD	808.24
255-55-2105-4216	FERTILIZER/CHEM	1,455.86
255-55-2105-4270	OP SUP-VEH/EQ	1,030.45
255-55-2105-4271	OP SUP-OTHER IMP	74.62
255-55-2105-4305	FEES FOR SERVICE	484.08
255-55-2105-4310	COMMUNICATION	254.30
255-55-2105-4380	RENTAL/LEASE	120.00
255-55-2105-4405	CLEAN/WASTE REMV	275.00
255-55-2105-4510	BUILD & STRUC	4,312.62
255-55-2110-4360	UTILITIES	3,179.34
255-56-2140-4147	UNEMPLOYMENT	333.53
255-56-2140-4210	OP SUPPLY-OTHER	2,305.68
255-56-2140-4305	FEES FOR SERVICE	2,099.58
255-56-2140-4360	UTILITIES	3,646.90
255-56-2140-4370	MAINT-REPAIR/EQ	1,097.07
255-56-2140-4380	RENTAL/LEASE	194.68
255-56-2140-4434	SPECIAL EVENTS	2,100.00
255-56-2140-4436	CONCESSION RESAL	10,644.53
255-56-2140-4438	PRO/MISC RESALE	1,603.25
255-56-2140-4439	LIQUOR - RESALE	6,909.52
285-12-1135-4300	PROF SERVICES	20.70
285-12-1135-4301	ENGINEERING SVS	1,885.00
285-12-1135-4302	LEGAL SERVICE	396.00
285-12-1135-4305	FEES FOR SERVICE	6,250.00
285-12-1135-4403	TRAVEL/TRAIN/CON	36.11
285-12-1135-4434	SPECIAL EVENTS	3,405.00
285-12-1150-4210	OP SUPPLY-OTHER	55.92
285-12-1150-4305	FEES FOR SERVICE	115.00
285-12-1150-4341	ADVER/PUBLISH	692.00
286-00-9286-4302	LEGAL SERVICE	522.28
290-00-2900-4210	OP SUPPLY-OTHER	47.82
290-00-2900-4300	PROF SERVICES	135.00
290-00-2900-4305	FEES FOR SERVICE	112.00
290-00-2900-4310	COMMUNICATION	155.40
290-00-2900-4360	UTILITIES	8,746.10
290-00-2900-4372	MAINT-REPAIR/BLD	883.06
290-00-2900-4380	RENTAL/LEASE	340.90
290-00-2900-4405	CLEAN/WASTE REMV	3,400.00
290-00-2900-4438	PRO/MISC RESALE	127.04
300-00-9300-4300	PROF SERVICES	4,615.00
455-00-7221-4551	PROJECT-ENGINEER	23,124.13
455-00-7222-4551	PROJECT-ENGINEER	917.50
455-00-7232-4550	PROJECT-CONTRACT	610,363.07
455-00-7232-4551	PROJECT-ENGINEER	3,334.50
455-00-7232-4552	PROJECT-LEGAL	616.00
455-00-7233-4551	PROJECT-ENGINEER	3,471.00
455-00-7245-4551	PROJECT-ENGINEER	242.50
455-00-7255-4550	PROJECT-CONTRACT	1,000.00
455-00-7255-4551	PROJECT-ENGINEER	36,405.02
500-00-9500-4551	PROJECT-ENGINEER	94,091.51
510-00-6489-4305	FEES FOR SERVICE	2,976.31
510-00-6489-4449	OTHER CONTRACT	2,497.50
510-00-6574-4551	PROJECT-ENGINEER	6,086.36

Account Summary

Account Number	Account Name	Payment Amount
510-00-9510-4301	ENGINEERING	7,166.00
515-00-9515-4302	LEGAL SERVICE	788.00
515-00-9515-4305	FEES FOR SERVICE	4,350.65
515-00-9515-4540	OTHER CAP OUTLAY	16,212.30
520-00-6552-4300	PROF SERVICES	1,300.00
520-00-6552-4550	PROJECT-CONTRACT	33,706.25
520-00-6552-4552	PROJECT-LEGAL	8,835.26
534-00-9534-4341	ADVER/PUBLISH	213.85
560-00-6541-4302	LEGAL SERVICE	256.00
560-00-6575-4551	PROJECT-ENGINEER	10,232.50
568-00-6625-4551	PROJECT-ENGINEER	2,514.75
568-00-6629-4551	PROJECT-ENGINEER	16,152.75
568-00-6700-4551	PROJECT-ENGINEER	5,824.42
570-00-9570-4210	OP SUPPLY-OTHER	37.08
570-00-9570-4300	PROF SERVICES	24,364.65
570-00-9570-4301	ENGINEERING SVS	48,045.00
570-00-9570-4540	OTHER CAP OUTLAY	75,850.83
570-00-9570-4550	PROJECT-CONTRACT	155,843.42
570-00-9570-4551	PROJECT-ENGINEER	1,153.50
575-00-7220-4551	PROJECT-ENGINEER	14,969.34
575-00-7250-4380	RENTAL/LEASE	43,200.00
575-00-7252-4380	RENTAL/LEASE	60,800.00
575-00-7252-4550	PROJECT-CONTRACT	349,770.00
575-00-7252-4551	PROJECT-ENGINEER	6,109.50
575-00-9575-4301	ENGINEERING SVS	9,636.00
580-00-7246-4551	PROJECT-ENGINEER	9,886.75
580-00-7246-4552	PROJECT-LEGAL	156.00
580-00-9580-4301	ENGINEERING SVS	9,216.50
585-00-7249-4550	PROJECT-CONTRACT	501,462.72
585-00-7253-4550	PROJECT-CONTRACT	209,580.73
585-00-9585-4301	ENGINEERING SVS	34,658.25
585-00-9585-4550	PROJECT-CONTRACT	3,448.58
610-00-9610-2220	DUE TO OTHER GOV	30,746.79
610-70-3000-4210	OP SUPPLY-OTHER	3,846.14
610-70-3000-4300	PROF SERVICES	70.60
610-70-3000-4301	ENGINEERING SVS	1,596.25
610-70-3000-4305	FEES FOR SERVICE	39.00
610-70-3000-4310	COMMUNICATION	827.74
610-70-3000-4360	UTILITIES	44,556.33
610-70-3000-4371	MAINT-REPAIR/OTH	7,943.25
610-70-3000-4403	TRAVEL/TRAIN/CON	59.46
610-70-3000-4405	CLEAN/WASTE REMV	183.54
610-70-3000-4438	PRO/MISC RESALE	76,613.52
610-70-3000-4449	OTHER CONTRACT	10,000.00
610-71-3060-4305	FEES FOR SERVICE	1,239.00
610-71-3060-4311	POSTAGE	2,011.00
610-71-3060-4321	DATA PROCESSING	3,669.00
610-71-3060-4340	PRINTING	1,154.00
620-00-9620-1191	A/R-UTILITY	634.47
620-00-9620-2042	SAC	233,590.00
620-80-3100-3739	MISC UTIL	-2,335.90
620-80-3100-4210	OP SUPPLY-OTHER	3,606.79
620-80-3100-4271	OP SUP-OTHER IMP	1,710.88
620-80-3100-4310	COMMUNICATION	55.60
620-80-3100-4360	UTILITIES	258.46
620-80-3100-4363	MWCC SERVICE	200,287.56
620-81-3160-4305	FEES FOR SERVICE	1,239.00
620-81-3160-4311	POSTAGE	2,011.00

Account Summary

Account Number	Account Name	Payment Amount
620-81-3160-4321	DATA PROCESSING	3,669.00
620-81-3160-4340	PRINTING	1,154.00
630-75-1400-4210	OP SUPPLY-OTHER	461.52
630-75-1400-4271	OP SUP-OTHER IMP	4,725.00
630-75-1400-4301	ENGINEERING SVS	2,020.00
630-75-1400-4305	FEES FOR SERVICE	1,346.80
630-75-1400-4311	POSTAGE	503.00
630-75-1400-4321	DATA PROCESSING	918.55
630-75-1400-4340	PRINTING	289.00
630-75-1400-4360	UTILITIES	1,073.70
630-75-1400-4361	NSP STREET LIGHT	7,693.88
630-75-1430-4360	UTILITIES	1,036.27
630-75-1440-4360	UTILITIES	1,250.02
630-75-1450-4360	UTILITIES	344.71
660-24-0600-4210	OP SUPPLY-OTHER	4,176.14
660-24-0600-4217	CLOTHING/UNIFORM	250.00
660-24-0600-4302	LEGAL SERVICE	1,472.00
660-24-0600-4305	FEES FOR SERVICE	8,370.00
660-24-0600-4310	COMMUNICATION	3,303.59
660-24-0600-4340	PRINTING	27.50
660-24-0600-4403	TRAVEL/TRAIN/CON	1,887.13
700-00-9700-4144	HEALTH INSURANCE	3,731.53
700-00-9700-4210	OP SUPPLY-OTHER	53.15
700-00-9700-4300	PROF SERVICES	2,909.75
700-00-9700-4733	CLAIM-NONCITY PR	878.00
700-00-9700-4734	AUTO CLAIMS	2,510.50
700-00-9700-4737	MEDICAL DEDUCTIBLE	5,007.29
710-33-1700-4210	OP SUPPLY-OTHER	362.61
710-33-1700-4212	LUB/ADD	264.00
710-33-1700-4217	CLOTHING/UNIFORM	96.90
710-33-1700-4270	OP SUP-VEH/EQ	27,623.98
710-33-1700-4300	PROF SERVICES	283.00
710-33-1700-4305	FEES FOR SERVICE	52.50
710-33-1700-4310	COMMUNICATION	10.29
710-33-1700-4370	MAINT-REPAIR/EQ	46,893.05
710-33-1700-4403	TRAVEL/TRAIN/CON	141.99
710-33-1700-4405	CLEAN/WASTE REMV	183.54
710-33-1710-4211	MOTOR FUELS	48,955.68
710-33-1720-4210	OP SUPPLY-OTHER	543.14
710-33-1720-4217	CLOTHING/UNIFORM	82.00
710-33-1720-4231	SMALL TOOLS	60.69
710-33-1720-4310	COMMUNICATION	85.32
710-33-1720-4403	TRAVEL/TRAIN/CON	167.00
720-00-9720-1230	PREPAID EXPENSE	13,774.86
720-07-0380-4210	OP SUPPLY-OTHER	179.99
720-07-0380-4280	CAPITAL OUTLAY <$5,00	7,009.00
720-07-0380-4310	COMMUNICATION	2,606.31
720-07-0380-4321	DATA PROCESSING	11,194.39
720-07-0380-4370	MAINT-REPAIR/EQ	350.00
720-07-0380-4371	MAINT-REPAIR/OTH	7,172.00
720-07-0383-4301	ENGINEERING SVS	1,080.00
810-00-8217-2310	DEPOSITS PAYABLE	31,680.00
810-00-9810-2310	DEPOSITS PAYABLE	260,081.64
990-05-9990-2010	PERA	114,498.18
990-05-9990-2032	GROUP INS-WTHHLD	114,683.84
990-05-9990-2033	DENTAL INS-WITH	9,271.66
990-05-9990-2035	LIFE INS-WITHHLD	738.26
990-05-9990-2037	CHILD SUPPORT	659.98

Account Summary

Account Number	Account Name	Payment Amount
990-05-9990-2038	UNION DUES	550.00
990-05-9990-2043	DEFERRED COMP	27,173.78
	Grand Total:	**4,250,435.52**

Project Account Summary

Project Account Key		Payment Amount
None		4,250,435.52
	Grand Total:	**4,250,435.52**

PAYROLL CHECK REGISTER

Biweekly PE 10/09/22 – CK 10/20/22 - $408,674.31

City Council Action Request

11A

Meeting Date	11/2/2022
Department	Public Safety
Agenda Category	Regular Agenda
Title	Liquor Compliance Check Violation
Staff Recommendation	Allow business representatives an opportunity to respond to the City Council regarding liquor compliance check violations occurring July 22, 2022. Yayin Gadol, LLC dba Top Ten Liquors: If the representative admits to the violation impose the scheduled penalty for the 1st violation in 24 months to include a $500.00 fine and one-day suspension, or, at the City Council's discretion, instead of the suspension and fine, the participation of employees in an educational program approved by the Public Safety Director within 90 days. If a representative denies the violation schedule a contested case hearing before an administrative law judge.
Budget Implication	N/A
Attachments	Memo - Top Ten Liquor Violation.tif 15.99MB

Cottage Grove
Where Pride and Prosperity Meet

To: Honorable Mayor and City Council Members
Jennifer Levitt, City Administrator

From: Peter J Koerner, Director of Public Safety

Date: October 27, 2022

Subject: **LIQUOR COMPLIANCE CHECK VIOLATION**

Background
On July 22, 2022, the Cottage Grove Public Safety Department conducted liquor compliance checks of Cottage Grove Businesses holding liquor licenses by using an underage buyer. The following business failed the compliance check.

Yayin Gadol, LLC dba Top Ten Liquors
This is the business's first violation within 24 months.

A letter was delivered to Top Ten Liquors requesting the presence of a representative to attend the November 2, 2022, City Council Meeting and respond to the allegation that their business sold liquor to an underage buyer. They were informed if they admitted to the violation staff would request Council to impose the scheduled fine as outlined in our City Fee Table, and if they denied the allegation, staff would request that a contested-case hearing be scheduled before an administrative law judge.

Presentation
The Director of Public Safety will provide a brief overview of the compliance process and the violation that occurred on July 22, 2022.

Summary of the Compliance Process
Cottage Grove Public Safety conducts two liquor compliance checks per calendar year which has been the practice for decades. However, during COVID Public Safety did suspend the compliance checks and reimplemented them in November of 2021. Public Safety believes hiring, training, and supervising responsible staff is essential to keeping businesses in compliance with State Laws and City Ordinances regulating the sale of alcohol. The effort businesses have put into this important part of their operations is appreciated. Responsible alcohol sales are a respected part of the city's business community, and their efforts to keep alcohol out of the hands of youth are commendable. Public Safety will continue to regularly use alcohol compliance checks as a tool to keep the City of Cottage Grove safe. Through cooperation with businesses, we can make a difference. With the recent Community Engagement Officer addition, we will be working to create even better partnerships and training opportunities with the business community.

Sgt Michael McCormick currently oversees the Compliance Check Officer and provided a summary of the procedure.

To conduct these compliance checks, Cottage Grove Police Officers recruit volunteers from the community that have an interest in Law Enforcement and want to help keep their community safe. The volunteer assists Officers by entering licensed establishments to verify they are complying with local and state laws. They must be between the age of 18 and 21. They must have a valid MN State-issued identification card or driver's license that is current and has a picture. During the alcohol compliance checks, the volunteer is accompanied by two Officers.

Volunteers are given the following instructions:

- Arrive at the police department on the pre-determined date and time in everyday clothing.
- Do not change your appearance in any way from your normal appearance. (Pictures of their appearance are taken before conducting the compliance checks and saved).
- Volunteers are instructed that if asked, they are to state their real age.
- Volunteers are never authorized to lie to an employee about their identity.
- Volunteers are instructed to provide their MN State-issued identification (ID) or driver's license (DL) that has their true age and identity only if asked for it. (This ID or DL is reviewed and photographed by Officers before conducting the compliance checks).
- The volunteer is provided with a monetary note for the payment of the alcohol. (This monetary note is photographed and saved in the event of a violation).

Officers leave the Police Department in an unmarked police department vehicle and visit business establishments that have licenses to sell alcohol within Cottage Grove. A list of forms is obtained through the Washington County Department of Public Health and Environment before conducting the checks. A form is completed for every establishment that is visited for the day with the date, time, who went in, and descriptors of the employee.

Upon arriving at an establishment, Officers instruct the volunteer to enter the establishment by themselves and try to purchase alcohol. Volunteers are not advised on a specific product to purchase due to the variety of products at different establishments.

Volunteers are instructed if it is an alcohol sale at a restaurant, to send a message via cell phone to Officers that they have been served an alcoholic beverage. If it is a liquor store sale, volunteers are instructed to return to the Officers sitting in the police vehicle and notify them of the sale. Volunteers are also instructed to obtain a receipt for the sale, if possible.

If a sale occurs, Officers go into the establishment with the volunteer and ask them to identify who sold them the alcohol. Once the volunteer identifies the person who conducted the sale, Officers identify themselves as Cottage Grove Police Department Compliance Check Officers. Officers ask the employee if they sold alcohol to the volunteer. Officers then ask the employee to get the manager or person in charge to notify them of the violation. The employee is asked to explain what happened and why they sold alcohol to a minor. They are asked whether they asked for age or identification. After that, the employee is notified that they will be receiving a citation via the mail for a misdemeanor offense of the sale of alcohol to a minor. It is a standard

operating procedure to charge the employee under Cottage Grove City Code 3-12-13 instead of a gross misdemeanor charge under Minnesota Statute 340A.702.1. This is due to compliance checks being seen as an educational experience, and it is the Public Safety Department's goal for every establishment to be compliant with State, County, and City Codes. Officers ask the employee to provide them with the monetary note that was prerecorded from their register, which is documented as evidence. Officers return the change that the volunteer received back for the monetary note. This confirms that the volunteer provided a monetary note in exchange for the alcohol that they brought to the Officers. Officers always ask if there are any questions from the employee and/or management before exiting the establishment. If there is any issue with what the volunteer did at the time of the transaction, this is the time when it would be brought up to the Officers.

Currently, Cottage Grove is following best practices that are consistent with other communities/agencies in Washington County.

Earlier in the year, the Council discussed a previous violation of another business. Council discussed the violation and made the motion to have the business owners and staff undergo an approved training program within 90 days instead of the $500 fine and one-day suspension. The business completed the recommended training and the $500 fine, and one-day suspension was waived by Council.

Public Safety is currently reviewing the fee schedule and will recommend updating the current schedule to follow the recent Council direction for 2023.

Recommendation
Allow the business an opportunity to respond to the City Council regarding liquor compliance check violations occurring on July 22, 2022.

1. Yayin Gadol, LLC dba Top Ten Liquors: If the representative admits to the violation impose the scheduled penalty for the 1st violation in 24 months to include a $500.00 fine and one-day suspension, or, at the City Council's discretion, instead of the suspension and fine, the participation of employees in an educational program approved by the Public Safety Director within 90 days. If a representative denies the violation schedule a contested case hearing before an administrative law judge.

City Council Action Request

14A

Meeting Date	11/2/2022
Department	Administration
Agenda Category	Workshops - Closed to Public
Title	Closed pursuant to Minn. Stat. 13D.05 subd. 3(b) attorney-client privilege to discuss acquisition and eminent domain litigation for the East Point Douglas/Jamaica project.
Staff Recommendation	
Budget Implication	N/A
Attachments	