

PARK BOARD AGENDA

Brainerd, Minnesota
January 26, 2021, 4:00 PM
City Hall Council Chambers
WebEx Teleconference Meeting - Call In Information
CALL TOLL-FREE: 1-844-992-4726
Access Code: 146 035 0966

1. **Call To Order - 4:00 PM**
2. **Administer Oath Of Office For Park Board Member Schaefer**
3. **Roll Call**
 ___ T. Boeder ___ D. Parks ___ T. Rushmeyer
 ___ K. Yeager ___ K. Schaefer
4. **Election Of Officers**
5. **Approval Of Agenda**
6. **Consent Calendar**
 NOTICE TO PUBLIC - All matters listed are considered routine by the Board and will all be enacted by one (1) motion. There will be no separate discussion of these items unless good cause is shown prior to the time the Board votes on the motion.
 - A. **Approval Of Minutes**

 Documents:

 Board meeting 09-22-20.pdf
 - B. **Approval Of The Disbursements**
 Year-End December 2020 and Month of January 2021

 Documents:

 2020 YEAR-END.pdf
 012621 PARKS AP report.pdf
 - C. **Request To Approve New Hires**

 Documents:

 012521 New Hires.pdf
7. **Unfinished Business**

A. Update On Memorial Park Splash Pad

Documents:

Splash Pad Update.pdf

B. Request To Authorize Memorial Park Project Competitive Bidding

Documents:

Request to Approve Bidding Phase of Memorial Park Project.pdf

C. Update On Campground Host Site

Documents:

Campground Host.pdf

D. Request To Approve Amended Youth Sports Contracts

Documents:

Youth Contracts.pdf

E. Request To Approve Plan For Community Action Grant

Documents:

Community Action Grant.pdf

8. New Business

A. Request To Re-Designate City Tree Inspector

Documents:

City Tree Inspector.pdf

B. Request To Approve This One's For Hop Field Reservation

Documents:

This Ones for Hop Approval.pdf

C. Request To Approve Park Scavenger Hunt

Documents:

Scavenger Hunt.pdf

D. Discussion Of Buster Park Gazebo Replacement

Documents:

Buster Park Gazebo.pdf

E. **Discussion Of Gregory Park Leisure Rink Lights**

Documents:

Discussion of Gregory Rink Lights.pdf

9. **Public Forum**

Time allocated for citizens to bring matters not on the agenda to the attention of the Board. Time limits may be imposed.

10. **City Engineer And Recreation Coordinator Report**

Documents:

Parks Recreation and Maintenance Report.pdf

11. **City Administrator Report**

12. **Adjourn**

Visit the Parks and Recreation Website at www.ci.brainerd.mn.us/parks

MISSION

"To serve Brainerd residents and visitors by offering high-quality, affordable recreational opportunities and by providing a clean, well-maintained park system"

BRAINERD PARKS AND RECREATION DEPARTMENT
Regular Park Board Meeting
September 22, 2020 at 4:00 p.m.
Brainerd Fire Department Training Room
23 Laurel Street, Brainerd, MN 56401

Pursuant to due call and notice thereof, the regular meeting of the
Parks and Recreation Board was called to order at 4:00 p.m. by Board President Schaefer

Present were President Kara Schaefer, Tim Boeder, Dale Parks, Troy Rushmeyer, Kevin Yeager and Park Director Tony Sailer. Also noted present were Mayor Dave Badeaux, City Administrator Jennifer Bergman, HR Director Kris Schubert, City Engineer Paul Sande, Community Development Director David Chanski, Recreation Coordinator Katie Kaufman and Don Gorham from the Mississippi Riverfront Committee.

APPROVAL OF AGENDA

Moved and seconded by Boeder and Yeager, duly carried, to approve the agenda.

APPROVAL OF CONSENT CALENDAR

Moved and seconded by Boeder and Yeager, duly carried, to approve the consent calendar.

A. Approval of Minutes

1. Special Meetings held on June 16, 2020, June 17, 2020, and July 7, 2020
2. Regular Meeting held on June 23, 2020

B. Approval of the Disbursements for the Month of September 2020

PRESENTATIONS

A. Mississippi Riverfront Update

Don Gorham gave an update on the Mississippi River Landing Project. The LCCMR grant application process is underway. The Brainerd Riverfront Committee requested \$3.85 million and the project was approved for \$2.85 million. The next step is the state bonding bill, which should happen in early 2021. If that goes through and the money is received, this will become a new park project for the City of Brainerd. Engineering and design will be the first phase. The Committee will remain involved by selling the project and keeping the public engaged in the Mississippi Riverfront vision.

B. Public Survey

Ms. Kaufman presented results from the Community Survey that was conducted in August. There were 143 respondents. The Board will use the survey as a tool as it moves forward with plans to improve the park system to better serve the community. Board members were appreciative of the work that went into compiling survey results.

UNFINISHED BUSINESS

A. Children's Museum Update

Mr. Yeager recapped the second Children's Museum Task Force meeting and shared two simple site drawings from the Children's Museum Committee. He commented that the Lum Park Master Plan will have many usable parts the Board can use going forward. Ms. Bergman suggested that a Park Board member be named to the Work Group that helps the Committee set the Task Force meeting agendas. Mr. Yeager agreed to serve on both groups. Mr. Parks made a motion to have Mr. Yeager be part of the Children's Museum Work Group. Mr. Boeder seconded and board approval was unanimous. The chair declared the motion passed.

B. College Drive Security Camera

Mr. Sailer, Maintenance Foreman Troy Harris and a representative from Brainerd Public Utilities met to discuss the logistics of installing a security camera at the College Drive bridge, which is continuously being painted with graffiti that can be seen from the adjacent trail. Staff agreed that it would be difficult to install and access a camera, and

potentially very expensive. Discussion included installing trail cameras, better lighting, painting a mural and community involvement. Mr. Sailer was directed to report back with cost estimates.

C. Public Works Update

Mr. Yeager reported that staff from various departments and members of the Park Board and City Council had a meeting to discuss the feasibility of forming a Public Works Department. He said there was a lot of positive energy at the meeting. Much of how the department will function will depend on what happens with the programs currently run by Parks staff. Other topics were logistics with maintenance equipment, who would be in charge, would there be two unions and scheduling of fields by other entities that may be running programs. Ms. Schafer stressed the importance of Parks not "getting lost" when maintenance staff moves to the Street Department location, especially when there is a snow event. Parks and rinks still need to be maintained. There will be another meeting after the Park Board makes its decision regarding recreational programs. The importance of the Park Board was also discussed.

D. Director's Position

Staff recommends holding off on advertising for a Park Director until the decision is made regarding a Public Works Department.

E. Maintenance Report

A monthly maintenance report was included with acts of vandalism highlighted. There has been considerable vandalism at Gregory Park this year, and Mr. Sailer reported that a fire that was set in a restroom over the weekend. The police know who the arsonist is from security camera footage. There was discussion about additional security measures.

NEW BUSINESS

A. Staff Programming Hours

At the Park Board's request, staff provided estimated hours spent on programs, special events and tournaments.

B. ADA Transition Plan

Mr. Yeager wanted to make the Board aware of the city-wide ADA Transition Plan that was done in June 2017, and would like staff to share it with the Park Board. He noted that many items have not yet been completed in the parks and would like staff to work on these. Many are minor fixes.

C. Facilities Report

Mr. Yeager also asked staff to send out the 2018 Facilities Report to board members. He said there is a lot of good information relating to the parks, and it will be a great budgeting tool.

D. 2022 Budget

Mr. Yeager is asking board members to start being forward-thinking about future budget considerations, and to have it be a conversation point at every meeting.

E. Work from Home Request

Mr. Sailer is moving out of Brainerd because his house sold quickly. He is formally requesting to be able to work from home one day per week if his schedule allows, to cut down on the daily 85-mile commutes. Mr. Boeder made a motion to allow Mr. Sailer to work from home one day per week as requested. Mr. Parks seconded. Following discussion, the motion was approved with Mr. Yeager opposed. The chair declared the motion passed.

F. History Tour

Ms. Schafer will set up a Brainerd History Tour date with tour guide Carl Faust.

PUBLIC FORUM

There was no public forum.

CITY ADMINISTRATOR REPORT

Ms. Bergman reported that the Charter Commission meeting will be on September 29 at 5 p.m. She is meeting with the City Attorney prior to the meeting.

DIRECTOR'S REPORT

- There were 123 applicants for the Park Maintenance position. They are close to choosing the final candidates to interview. Ms. Schubert is seeking guidance from the Park Board regarding the hiring process and informed them of the steps the City Council has adopted that helps streamline the hiring process. Mr. Yeager made a motion to allow City staff to select and interview, conduct initial job offers, use their own discretion at step guidance, and give full permission to hire this Park Maintenance position. Mr. Boeder seconded and board approval was unanimous. The Chair declared the motion passed.
- Staff has asked the Brainerd Police Department to patrol Gregory Park as much as possible due to the recent increase in vandalism incidents and has contacted the Northside Neighborhood Association to keep their eyes open and to call the police if they see suspicious behavior.

NEXT MEETING

Tuesday, October 6, 2020, at 4:00 p.m., at Brainerd City Hall Council Chambers.

ADJOURNMENT

Motion by Yeager to adjourn at 6:24 p.m. to either the October 6, 2020 meeting or the Brainerd History Walk, whichever comes first; seconded by Boeder. All members voted "aye" with none opposed. The Chair declared the meeting adjourned.

Respectfully submitted,

Kim Finch, Administrative Specialist

DRAFT

BRAINERD PARKS AND RECREATION

Accounts Payable Year-End 2020

VENDOR	INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GL ACCOUNT NUMBER(S)	CHECK NUMBER	AMOUNT	SALES USE TAX
Ace Hardware	12/16/20	293420	Spraypaint-GGP kiosk	230-5200-42220		19.38	
Brainerd General Rental	10/16/20	134608	Boom lift rental-Mills Field	230-5200-42221		130.00	
Brainerd Public Utilities	11/25/20	NOV 20/PARKS	PPD NOV 2020 PARKS utilities	230-5200-43381		3,095.24	
Crow Wing County Sanitary Landfill	12/07/20	158343	PPD Misc disposal-furniture	230-5200-43430		14.00	
CTC	12/12/20	20838703/PARKS	PPD 12/12-1/11 PARKS PHONE	230-5200-43321		57.13	
Enterprise FM Trust	12/03/20	FBN4096092/PARKS	PPD 12/01-12/31 PARKS vehicle leases	230-5200-43331		2,427.05	
Fastenal Company	11/30/20	MNBAX241325	PPD Fasteners-shop	230-5200-42220		75.14	
Lakes Area Mat Service II Inc	12/15/20	20201215 #380	PARKS floor mat service November	230-5200-42220		10.08	
Menards	11/20/20	45068	PPD Lumber-picnic tables,batteries,saw blade	230-5200-42220		972.06	
Menards	11/30/20	45651	PPD Gloves-COVID \$44.91, deck screws	230-5200-42220		103.47	
Menards	12/07/20	46052	PPD Faucet-LMP break room	230-5200-42220		66.57	
Menards	12/17/20	46618	Handle for mechanical room door-GGP	230-5200-42220		5.51	
Midwest Machinery Co	12/09/20	2300636	PPD Needle kit, float	230-5200-42220		10.17	
Midwest Machinery Co	12/16/20	2303770	Filter for wood splitter	230-5200-42220		6.99	
Pike Plumbing and Heating	12/08/20	77490	PPD GGP annual backflow preventer test	230-5200-42220		100.00	
US Bank	12/28/20	xxxx-9106	Fleet Farm-outdoor gear-J Lyons	230-5200-42210		129.99	
Wex Bank	11/30/20	68789454/PARKS	PPD NOV 2020 PARKS fuel	230-5200-42212		235.00	
Zoom Video Communications	11/23/20	11232020	PPD ZOOM add K Kaufman 11/23-12/17/20	230-5200-43300		13.47	
Sales Use Tax 0.00						7,471.25	0.00
TOTAL EXPENDITURES TO BE APPROVED:							
Less PREPAIDS:						(7,169.30)	
TOTAL THIS REPORT:						301.95	

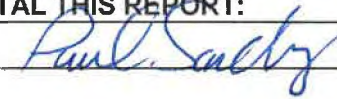
Paul Sande, City Engineer/Interim Public Works Director Paul Sandy 01/21/2021

PUBLIC WORKS-PARKS

Accounts Payable January 26, 2021

VENDOR	INVOICE DATE	INVOICE NUMBER	DESCRIPTION	GL ACCOUNT NUMBER(S)	CHECK NUMBER	AMOUNT	SALES USE TAX
Ace Hardware	01/05/21	293805	Spray cleaner, AAA batteries-garage door openers	230-5200-42220		13.56	
Ace Hardware	01/12/21	293962	Spraypaint-safety yellow	230-5200-42220		8.98	
Brainerd Public Utilities	12/30/20	DEC2020/PARKS	PPD 11/24-12/24 Parks utilities	230-5200-43381		3,303.32	
CenterPoint Energy	12/17/20	5933799-8	PPD PARKS natural gas 10/16/20-11/15/20 & 11/16/20-12/15/20	230-5200-43380		286.75	
Menards	01/08/21	47746	Gloves, putty knives, compound-GGP vandalism repair	230-5200-42220		32.22	
Midwest Machinery Co	12/29/20	2310031	JD skid steer repair	230-5200-42220		226.89	
MN Bureau of Criminal Apprehensio	01/22/21	1222101	Seven background checks-warming house attendants	230-5209-42210		105.00	
MN Dept of Health	01/01/21	MHP-20217-15436	Lum Park Campground 2021 Lic # MHP-20217-15436	230-5280-42210		150.00	
Mr. Tire	01/04/21	23615	Two tires-2018 Chevy plow truck	230-5200-42220		497.48	
Northland Fire Protection	01/06/21	43506	Two 10 # ABC industrial fire extinguishers	230-5200-42220		210.00	
O'Reilly First Call	12/01/20	1647-417404	PPD Wiper fluid-shop vehicles	230-5200-42220		31.74	
PQL	12/18/20	557762	Four bulbs-outdoor rink lights	230-5200-42220		192.93	
Quadient Inc	12/15/20	58096338	PPD Postage meter lease (final) 01/14/21-04/13/21	230-5200-43331		105.45	
Shipman Auto Parts	01/05/21	576420	Center cap-2018 Chevy plow truck	230-5200-42220		10.00	
Shipman Auto Parts	01/06/21	576527	Center cap-Chevy shop truck	230-5200-42220		10.00	
Waste Partners Inc	12/31/20	OCX04673	December trash removal-PARKS	230-5200-43380		466.20	
Wex Bank	12/31/20	69318024/PARKS	PPD DEC 2020 Parks fuel	230-5200-42212		829.40	
WSB	12/04/20	R-016307-000-6	Memorial Park-professional services 11/1/20-11/30/20	400-9050-45510		5,030.50	
WSB	01/19/21	R-016307-000-7	Memorial Park-professional services 12/1/20-12/31/20	400-9050-45510		5,223.50	
Sales Use Tax		0.00	TOTAL EXPENDITURES TO BE APPROVED:			16,733.92	0.00
			Less PREPAIDS:			(4,556.66)	
			TOTAL THIS REPORT:			12,177.26	

Paul Sandy, City Engineer/Interim Public Works Director





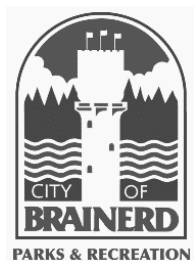
www.ci.brainerd.mn.us

MEMO

To: Park Board
From: Katie Kaufman, Recreation Coordinator *KK*
Subject: New Hires
Date: January 25, 2021

The following temporary employees have been hired as Warming House Attendants for the remainder of the 2020-2021 outdoor rink season. Approval is requested at the January 26 Park Board meeting.

1. Alexandria Dwyer
2. Ethan Fisch
3. Jack Schafer
4. Charles Smith
5. Brandon Spaid
6. Erin Thiesse
7. Hunter Wicklund

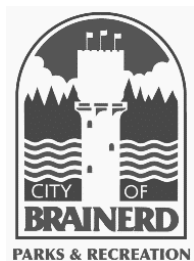


Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Memorial Park Splash Pad Update

☒ INFORMATION ONLY ☐ ACTION REQUESTED	Action Requested: ☐ Direction Requested ☐ Discussion Item
Submitted by: City Engineer/Interim PW Director Sandy	Department: Parks
Presenter (Name & Title): City Engineer/Interim PW Director Sandy	Estimated Time Needed: 10-15 Minutes
Summary of Issue: Emily Noble and Meta Mandich will be at the meeting to update the Park Board on the status of the splash pad and what we have been working on since the last update.	
Alternatives, Options, Effects on Others/Comments: This is more of an informational item that goes along with the approval to bid the Memorial Park project and to bring the Park Board up to speed on where we are to date.	
Recommended Action/Motion: Informational only.	
Financial Impact: <i>Is there a cost associated with this request:</i> ☐ Yes ☒ No <i>What is the total cost, with tax and shipping</i> \$ _____ <i>Is this budgeted?</i> ☐ Yes ☐ No <i>Please Explain:</i>	



Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Request to Approve Bidding Phase for Memorial Park Project

☐ INFORMATION ONLY

☒ ACTION REQUESTED

Action Requested:

☐ Direction Requested

☐ Discussion Item

Submitted by:

City Engineer/Interim PW Director Sandy

Department:

Parks

Presenter (Name & Title):

City Engineer/Interim PW Director Sandy

Estimated Time Needed:

10 Minutes

Summary of Issue:

Attached to this request are the finalized documents and estimates for the memorial park project.

Alternatives, Options, Effects on Others/Comments:

The plans and cost estimates are attached. This estimate includes everything, which consist of base bid items, alternates, Sourcewell purchased items, City purchased items, the splash pad, splash pad area (for donor recognition, and all other incidentals related to the project. Instead of getting into the details, we can go through the estimate more if the Park Board would like at the meeting. The total project estimated cost is \$1,326,268.30. This includes a 5% contingency. It is important to note that the splash pad items consist of about \$217,604.10 of this cost. With the entire 5% contingency applied to the memorial project without the splash pad, the estimated cost of the project is \$1,108,664.20.

Recommended Action/Motion:

Staff recommends authorizing the bidding phase of this project as presented.

Financial Impact:

Is there a cost associated with this request:

☒ Yes ☐ No

What is the total cost, with tax and shipping

\$ \$1,108,664.20

Is this budgeted? ☒ Yes ☐ No

Please Explain:

BID PROPOSAL
MEMORIAL PARK REDEVELOPMENT PROJECT
BRAINERD
WSB PROJECT NO. R-016307-000

No.	Item		Units	Quantity	Unit Price	Total Price	Unit Price	Total Price
BASE BID SCHEDULE								
REMOVALS AND EARTHWORK								
1	2021	MOBILIZATION	LS	1	\$_____	\$_____	\$37,474.50	\$37,474.50
2	2104	CLEARING AND GRUBBING	LS	1	\$_____	\$_____	\$6,000.00	\$6,000.00
3	2104	REMOVE PAVEMENT	SY	410	\$_____	\$_____	\$5.00	\$2,050.00
4	2106	COMMON EXCAVATION (P)	LS	1	\$_____	\$_____	\$10,000.00	\$10,000.00
5	2106	ENGINEERED SOIL (CV) (BOTTOM OF EXISTING BASIN)	CY	20	\$_____	\$_____	\$60.00	\$1,200.00
SANITARY & WATER IMPROVEMENTS								
6	2506	SANITARY & WATER SERVICE	LS	1	\$_____	\$_____	\$25,000.00	\$25,000.00
STORM SEWER IMPROVEMENTS								
7	2503	REMOVE EXISTING DRAINAGE STRUCTURE	EA	1	\$_____	\$_____	\$1,000.00	\$1,000.00
8	2503	12" PP PIPE	LF	238	\$_____	\$_____	\$30.00	\$7,140.00
9	2503	CONNECT TO EXISTING STORM	EA	1	\$_____	\$_____	\$1,000.00	\$1,000.00
10	2503	CONSTRUCT DRAINAGE STRUCTURE	EA	1	\$_____	\$_____	\$2,500.00	\$2,500.00
11	2503	12" PIPE APRON	EA	1	\$_____	\$_____	\$1,250.00	\$1,250.00
12	2503	RANDOM RIPRAP CLASS II	CY	5	\$_____	\$_____	\$150.00	\$750.00
13	2503	4" PERFORATED DRAINTILE	LF	215	\$_____	\$_____	\$20.00	\$4,300.00
14	2503	4" CLEANOUT	EA	2	\$_____	\$_____	\$250.00	\$500.00
ELECTRICAL								
15	2545	LARGE RINK AND PLEASURE RINK LIGHTING (INSTALLATION OF LIGHTING INCLUDING FOUNDATIONS)	LS	1	\$_____	\$_____	\$8,000.00	\$8,000.00
PAVEMENTS AND SIGNAGE								
16	2211	AGGREGATE BASE (CV) CLASS 5	CY	380	\$_____	\$_____	\$16.00	\$6,080.00
17	2521	4" CONCRETE WALK	SF	4460	\$_____	\$_____	\$8.00	\$35,680.00
18	2521	6" CONCRETE WALK	SF	24	\$_____	\$_____	\$10.00	\$240.00
19	2521	6" REINFORCED WALK AT LARGE HOCKEY RINK	SF	15840	\$_____	\$_____	\$12.00	\$190,080.00
20	2531	CAST IRON DETECTABLE WARNING PLATE	SF	16	\$_____	\$_____	\$50.00	\$800.00
21	2531	PRECAST CONCRETE WHEEL STOP	EA	2	\$_____	\$_____	\$200.00	\$400.00
22	2564	ADA PARKING SIGN	EA	3	\$_____	\$_____	\$350.00	\$1,050.00
23	2582	PARKING LOT STRIPING/MARKINGS	LS	1	\$_____	\$_____	\$1,500.00	\$1,500.00
24	2582	PICKLEBALL COURT STRIPING	LS	1	\$_____	\$_____	\$1,500.00	\$1,500.00

No.	Item		Units	Quantity	Unit Price	Total Price	Unit Price	Total Price
SITE AMENITIES & MISCELLANEOUS								
25	2540	BUILDING WITH PAVILION	LS	1	\$_____	\$_____	\$300,000.00	\$300,000.00
EROSION CONTROL AND LANDSCAPE								
26	2573	STABILIZED CONSTRUCTION EXIT	LS	1	\$_____	\$_____	\$2,500.00	\$2,500.00
27	2573	INLET PROTECTION	EA	1	\$_____	\$_____	\$200.00	\$200.00
28	2573	SILT FENCE (TYPE MS)	LF	310	\$_____	\$_____	\$4.00	\$1,240.00
29	2573	SEDIMENT CONTROL LOG	LF	1210	\$_____	\$_____	\$4.00	\$4,840.00
30	2105	DEWATERING	LS	1	\$_____	\$_____	\$5,000.00	\$5,000.00
31	2575	TURF SEED MIX	AC	1.50	\$_____	\$_____	\$7,500.00	\$11,250.00
32	2575	NATIVE SEED MIX	AC	0.50	\$_____	\$_____	\$7,500.00	\$3,750.00
33	2575	EROSION CONTROL BLANKET CAT 4(N), 2S	SY	9680	\$_____	\$_____	\$3.00	\$29,040.00
34	2575	RAPID STABILIZATION CATEGORY 3	SY	30	\$_____	\$_____	\$3.00	\$90.00
TOTAL BASE BID						\$_____	\$703,404.50	
ALTERNATE BID SCHEDULE								
SMALL RINK AREA								
1	2521	4" CONCRETE WALK	SF	135	\$_____	\$_____	\$8.00	\$1,080.00
2	2211	AGGREGATE BASE (CV) CLASS 5	CY	145	\$_____	\$_____	\$16.00	\$2,320.00
3	2521	6" REINFORCED WALK AT SMALL HOCKEY RINK	SF	7635	\$_____	\$_____	\$12.00	\$91,620.00
4	2582	BASKETBALL COURT STRIPING	LS	1	\$_____	\$_____	\$1,500.00	\$1,500.00
5	2545	SMALL RINK LIGHTING (INSTALLATION OF LIGHTING INCLUDING FOUNDATIONS)	LS	1	\$_____	\$_____	\$2,500.00	\$2,500.00
6	2571	DECIDUOUS TREE - 2.5" CAL B&B	EACH	3	\$_____	\$_____	\$550.00	\$1,650.00
7	2571	DECIDUOUS TREE - 6' HIGH, B&B CLUMP	EACH	3	\$_____	\$_____	\$550.00	\$1,650.00
8	2571	DECIDUOUS SHRUB - #5 CONT	EACH	28	\$_____	\$_____	\$65.00	\$1,820.00
9	2571	CONIFEROUS SHRUB - #5 CONT	EACH	4	\$_____	\$_____	\$65.00	\$260.00
10	2574	PLANTING BED SOIL MIXTURE	CY	30	\$_____	\$_____	\$30.00	\$900.00
11	2575	MULCH MATERIAL - TYPE 6	CY	7	\$_____	\$_____	\$60.00	\$420.00
12	2575	LANDSCAPE EDGING	LF	30	\$_____	\$_____	\$20.00	\$600.00
SUBTOTAL FOR SMALL RINK AREA						\$_____	\$96,520.00	
TOTAL ALTERNATE BID						\$_____	\$96,520.00	
GRAND TOTAL (BASE BID + ALTERNATE BID)						\$_____	\$823,824.50	

No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price
BASE SCHEDULE							
SOURCEWELL PACKAGES							
1	LARGE RINK LIGHTING AND PLEASURE RINK SOURCEWELL PACKAGE	LS	1	\$_____	\$_____	\$58,370.00	\$58,370.00
2	DASHERBOARD SYSTEM (LARGE RINK) SOURCEWELL PACKAGE	LS	1	\$_____	\$_____	\$92,768.57	\$92,768.57
3	SOURCEWELL PACKAGE FOR RUBBER TILES AT PLAYER'S BENCH AND SURFACE MOUNTED PLAYER'S BENCHES	LS	1	\$_____	\$_____	\$3,180.00	\$3,180.00
SUBTOTAL FOR SOURCEWELL PACKAGES					\$_____		\$154,318.57
SITE AMENITIES (PURCHASED BY CITY)							
4	PICKLEBALL NET SYSTEM	EA	5	\$_____	\$_____	\$3,000.00	\$15,000.00
5	PICNIC TABLE	EA	2	\$_____	\$_____	\$1,800.00	\$3,600.00
6	ADA PICNIC TABLE	EA	2	\$_____	\$_____	\$1,800.00	\$3,600.00
7	DONOR COLUMN	LS	1	\$_____	\$_____	\$10,000.00	\$10,000.00
SUBTOTAL FOR SITE AMENITIES (PURCHASED BY CITY)					\$_____		\$32,200.00
TOTAL BASE SCHEDULE FOR SOURCEWELL PACKAGES AND SITE AMENITIES (PURCHASED BY CITY)					\$_____		\$186,518.57
ALTERNATE SCHEDULE							
SOURCEWELL PACKAGES							
1	SMALL RINK LIGHTING SOURCEWELL PACKAGE	LS	1	\$_____	\$_____	\$20,866.00	\$20,866.00
2	SPLASH PAD SOURCEWELL PACKAGE	LS	1	\$_____	\$_____	\$193,704.10	\$193,704.10
3	DASHERBOARD SYSTEM (SMALL RINK) SOURCEWELL PACKAGE	LS	1	\$_____	\$_____	\$72,050.90	\$72,050.90
SUBTOTAL FOR SOURCEWELL PACKAGES					\$_____		\$265,755.00
SITE AMENITIES (PURCHASED BY CITY)							
4	BASKETBALL GOALS	EA	2	\$_____	\$_____	\$7,500.00	\$15,000.00
SUBTOTAL FOR SITE AMENITIES (PURCHASED BY CITY)					\$_____		\$15,000.00
SPLASH PAD AREA (ANTICIPATED TO BE COMPLETED BY OTHERS THROUGH DONTATED WORK)							
5	4" CONCRETE WALK	SF	785	\$_____	\$_____	\$8.00	\$6,280.00
6	AGGREGATE BASE (CV) CLASS 5	CY	15	\$_____	\$_____	\$16.00	\$240.00
7	5" THICK CONCRETE X 1' WIDE CONCRETE MAINTENANCE STRIP	LF	95	\$_____	\$_____	\$16.00	\$1,520.00
8	PICNIC TABLE	EA	1	\$_____	\$_____	\$1,800.00	\$1,800.00
9	ADA PICNIC TABLE	EA	1	\$_____	\$_____	\$1,800.00	\$1,800.00
10	4' HIGH, 2-RAIL FENCE WITH VINYL CLAD MINI MESH FABRIC	LF	70	\$_____	\$_____	\$65.00	\$4,550.00
11	CHILTON FLAGSTONE STEPPERS	EACH	10	\$_____	\$_____	\$75.00	\$750.00
12	DECIDUOUS TREE - 6" HIGH, B&B (CLUMP)	EACH	1	\$_____	\$_____	\$550.00	\$550.00
13	SHRUB - #5 CONT	EACH	6	\$_____	\$_____	\$65.00	\$390.00

No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price
14	PERENNIALS - #5 CONT	EACH	96	\$_____	\$_____	\$45.00	\$4,320.00
15	PLANTING BED SOIL MIXTURE	CY	20	\$_____	\$_____	\$30.00	\$600.00
16	MULCH MATERIAL - TYPE 6	CY	5	\$_____	\$_____	\$60.00	\$300.00
17	LANDSCAPE EDGING	LF	40	\$_____	\$_____	\$20.00	\$800.00
SUBTOTAL FOR SPLASH PAD AREA					\$_____		\$23,900.00
TOTAL ALTERNATE SCHEDULE FOR SOURCEWELL PACKAGES, SITE AMENITIES (PURCHASED BY CITY), AND SPLASH PAD AREA					\$_____		\$304,655.00
TOTAL BASE BID SCHEDULE (BY CONTRACTOR) AND BASE SCHEDULE FOR SOURCEWELL PACKAGES AND SITE AMENITIES (PURCHASED BY CITY)					\$_____		\$889,923.07
TOTAL ALTERNATE BID SCHEDULE (BY CONTRACTOR) AND ALTERNATE SCHEDULE FOR SOURCEWELL PACKAGES, SITE AMENITIES (PURCHASED BY CITY), AND SPLASH PAD AREA					\$_____		\$401,175.00
5% CONTINGENCY							\$35,170.23
GRAND TOTAL (BASE BID + ALTERNATE BID + BASE SCHEDULE + ALTERNATE SCHEDULE WITH CONTINGENCY)							\$1,326,268.30

Date: 1/19/2021
To: Paul Sandy
City of Brainerd

Project: Miracle Park Hockey Rink
Brainerd, MN
Ref: 206548

Sourcewell

Master Project: 199030, Contract Number: 071619-MSL, Expiration: 08/27/2023
Category: Sports lighting with related supplies and services

All purchase orders should note the following:
Sourcewell purchase – contract number: 071619-MSL

Quotation Price – Materials Only Delivered to Job Site

Hockey 1 & Pleasure Skate	\$58,370.00
Hockey 2	\$20,866.00

Sales tax, bonding, labor, and unloading of the equipment are not included.
Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.

Light-Structure System™ with Total Light Control – TLC for LED® technology

Guaranteed Lighting Performance

- Guaranteed light levels of 30 footcandles

System Description

- 4 Pre-cast concrete bases with integrated lightning grounding
- 4 Galvanized steel poles
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- 14 Factory wired poletop luminaire assemblies
- UL Listed assemblies

Control Systems and Services

- Control-Link® control and monitoring system to provide remote on/off and dimming (high/medium/low) control and performance monitoring with 24/7 customer support

Operation and Warranty Services

- Reduction of energy and maintenance costs by 40% to 85% over typical 1500W metal halide equipment
- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 25 years.
- Support from Musco's Lighting Services Team – over 170 Team members dedicated to operating and maintaining your lighting system – plus a network of 1800+ contractors

Payment Terms

Musco's Credit Department will provide payment terms.

Email or fax a copy of the Purchase Order to Musco Sports Lighting, LLC:

Musco Sports Lighting, LLC
Attn: Amanda Hudnut
Fax: 800-374-6402
Email: musco.contracts@musco.com

All purchase orders should note the following:
Sourcewell purchase – contract number: 071619-MSL



Delivery Timing

6 - 8 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole locations.

Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges.

Notes

Quote is based on:

- Shipment of entire project together to one location.
- Structural code and wind speed = IBC 2015, 115 mph, Exposure C, Importance Factor 1.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees.
- Standard soil conditions – rock, bottomless, wet or unsuitable soil may require additional engineering, special installation methods and additional cost.
- Confirmation of pole locations prior to production.

Thank you for considering Musco for your lighting needs. Please contact me with any questions or if you need additional details.

Scott Peitz
Sales Representative
Musco Sports Lighting, LLC
Phone: 612-368-9286 | E-mail: scott.peitz@musco.com



Customer #: Brainerd MN, City of
Quotation #: Memorial Park Outdoor Rinks
Revision #: 1
Date: January 5, 2021
Proposal Expiration Date: March 5, 2021
Your Sales Consultant: Dan Mehren

Prepared For:
Steve Foss
WSB Engineering
701 XENIA AVENUE S
SUITE 300
MINNEAPOLIS, MN 55416

Project Location:
Memorial Park
1623 9th Ave NE
Brainerd MN 56401

Thank you for considering Becker Arena Products, Inc., we appreciate the opportunity...

Benefits of Choosing to Partner with Becker Arena Products

- A stable and reliable company since 1988
- A staff with in-depth knowledge of the industry and products
- Quality products that last
- Experienced and professional installers
- Excellent customer service
- Worry Free Projects – Guaranteed

This system is available through the Sourcewell Cooperative Purchasing Program at discounted pricing. [BECKER ARENA PRODUCTS, INC – VENDOR CONTRACT #030117 – BAP](#)

Sourcewell is a municipal contracting government agency that serves education and government agencies nationally through competitively bid and awarded contract purchasing solutions. Over 47,000 Member agencies enjoy the value and commitment of the world-class Sourcewell awarded Vendors. Take advantage of the cooperative purchasing discounts shown here in this quotation mentioning our contract #030117-BAP when ordering. You must be a member and contracting authority. Ask your sales person for a copy of the Sourcewell Contract Purchasing information booklet or go to www.sourcewell-mn.gov for more information.

Please see the revised pricing below. Per your request, we've provided you deduction amounts should you wish to remove the player benches and rubber mats.

ATHLETICA 5.0 PRO-SERIES OUTDOOR HOCKEY DASHER BOARD SYSTEM

Athletica Sports Systems shall furnish and install the following new custom-built Athletica 5.0 Pro-Series Aluminum outdoor dasher board system. Pricing is based on the information provided and will include the following items and features.

MAIN RINK SIZE: 200'x80'x28' RADIUS

DASHER FRAMING W/UV UV STABILIZED POLY FACING AND KICK PLATE - POLYETHYLENE CAP Rail

- Rink Size: 200'x80'x28' radius – 512 lineal feet of 42" high 5" wide Athletica Sports Systems aluminum frame dasher boards, ring only.
- 1/2" white UV stabilized poly dasher facing, 4' panels
- 1/2" x 8" high yellow UV stabilized poly kick plate
- 1/2" white UV stabilized high-density polyethylene cap rail.
- All panels pre-assembled
- All panel steel framing hot dip galvanized after fabrication

ANCHORING

- New 5/8" drilled-in epoxy anchors into new concrete curb or pad (Concrete work by others)

GATES

- One 10'-0" straight double leaf straight equipment gate complete with heavy duty adjustable hinges, slide bars and heavy-duty casters
- Five 3'-0" straight access gate with heavy duty hinges
- All gate hardware to be stainless steel. Washers and nuts to be zinc plated
- 1" thick high-density polyethylene thresholds access gates

PUCK CONTROL CHAIN LINK FENCING

- New chain link fencing, 6' tall, approximately 224 lineal feet for end zone and radii, 6 gauge. fence fabric. Includes top, intermediate and bottom rails, all required fasteners.
- 1-11/16" diameter support posts and rails, galvanized, with caps,
- 4 shield termination pads included

Player Benches and Rubber Mats

- Surface mounted player bench seating, HDPE surface, aluminum framework, and mounting hardware
- 1/2" Black rubber mats, loose laid along player seating area

INSTALLATION

Becker Arena Products, Inc. will furnish an experienced and professional installation crew that meets all requirements to be considered a Qualified Becker Arena Products, Inc. Employee or Partner. This approved team will complete the installation of the dasher system and chain link fencing as described above. Price includes labor (**Non-union labor / non prevailing wage rate**) required fork lift and all equipment for installing chain link fence.

DELIVERY

Freight to Brainerd, MN. Customer is responsible for unloading all materials.

Total Price (materials and labor)

\$ 100,914.28

SOURCEWELL PURCHASING PROGRAM DISCOUNT

BECKER ARENA PRODUCTS, INC – VENDOR CONTRACT #030117 - BAP

SOURCEWELL BASE PRICE DISCOUNT – 5%

[\$ 5,045.71]

TOTAL PRICE WITH SOURCEWELL DISCOUNT (5%)

Accept _____

\$ 95,868.57

STUDIO RINK SIZE: 100'x80'x28' RADIUS**DASHER FRAMING W/UV UV STABILIZED POLY FACING AND KICK PLATE - POLYETHYLENE CAP Rail**

- Rink Size: 100'x80'x28' radius – 312 lineal feet of 42" high 5" wide Athletica Sports Systems aluminum frame dasher boards, ring only.
- 1/2" white UV stabilized poly dasher facing, 4' panels
- 1/2" x 8" high yellow UV stabilized poly kick plate
- 1/2" white UV stabilized high-density polyethylene cap rail.
- All panels pre-assembled
- All panel steel framing hot dip galvanized after fabrication

ANCHORING

- New 5/8" drilled-in epoxy anchors into new concrete curb or pad (Concrete work by others)

GATES

- One 10'-0" straight double leaf straight equipment gate complete with heavy duty adjustable hinges, slide bars and heavy-duty casters
- Three 3'-0" straight access gate with heavy duty hinges
- All gate hardware to be stainless steel. Washers and nuts to be zinc plated
- 1" thick high-density polyethylene thresholds access gates

PUCK CONTROL CHAIN LINK FENCING

- New chain link fencing, 6' tall, approximately 224 lineal feet for end zone and radii, 6 gauge. fence fabric. Includes top, intermediate and bottom rails, all required fasteners.
- 1-11/16" diameter support posts and rails, galvanized, with caps,
- 4 shield termination pads included

INSTALLATION

Becker Arena Products, Inc. will furnish an experienced and professional installation crew that meets all requirements to be considered a Qualified Becker Arena Products, Inc. Employee or Partner. This approved team will complete the installation of the dasher system and chain link fencing as described above. Price includes labor (**Non-union labor / non prevailing wage rate**) required fork lift and all equipment for installing chain link fence.

DELIVERY

Freight to Brainerd, MN. Customer is responsible for unloading all materials.

Total Price (materials and labor)

\$ 75,843.05

SOURCEWELL PURCHASING PROGRAM DISCOUNT**BECKER ARENA PRODUCTS, INC – VENDOR CONTRACT #030117 - BAP**

SOURCEWELL BASE PRICE DISCOUNT – 5%

[\$ 3,792.15]

TOTAL PRICE WITH SOURCEWELL DISCOUNT (5%)

Accept _____

\$ 72,050.90

Optional Pricing Deduction- Player Benches and Rubber Mats**Remove from above Base Price**

- Surface mounted player bench seating, HDPE surface, aluminum framework, and mounting hardware
- ½" Black rubber mats, loose laid along player seating area

Accept _____ Deduct [\$ 3,180.00]

Please Note: Price does include taxes. All taxes are the responsibility of the purchaser. Prices do not include special insurance requirements, bonding, or applicable permits and/or license fees. Prices subject to site visit and/or receipt of final construction drawings and specifications. If sales tax is applicable it will be added to the proposal totals and noted on a Contract Summary Sheet that will be sent back with your executed contract.

All payment terms are based on credit approval.

Our Standard Payment terms are:

45% due upon placement of order	_____
45% due 10 days prior to delivery	_____
10% due upon delivery and installation	_____

We are looking forward to the opportunity of working with you on your project and if we can be of further assistance please do not hesitate to call.

This proposal is subject to Becker Arena Products, Inc. Standard Terms and Conditions and Limited Warranty and may be withdrawn without penalty at any time before contract execution. If accepted, please sign and return this copy to Becker Arena Products. When approved and signed by one of our officers a fully executed copy will be forwarded for your records. This proposal is subject to change, withdrawal or cancellation until accepted by you. If Becker Arena Products, Inc. have not received your acceptance within 60 days from the date hereof, this proposal shall automatically expire. Becker Arena Products, Inc. retains a security interest in all products covered in this agreement until all payment terms have been met. In addition, the purchaser agrees to sign any additional documents for Becker Arena Products, Inc. to perfect its security interest in the products.

Proposal/Contract # **Memorial Park Outdoor Rinks rev 1** is accepted with initialed options:

Purchaser Signature

Becker Arena Products, Inc.

Title

Title

Signature

Signature

Print Name

Print Name

Date

Date

Desired Installation Date: _____

Becker Arena Products, Inc. is an Affirmative Action/Equal Employment Opportunity Employer

Becker Arena Products, Inc.
STANDARD TERMS AND CONDITIONS

1. Applicable Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Minnesota, as applied to contracts executed in and performed wholly within the State of Minnesota.

2. Delays. Becker Arena Products, Inc. (Seller) will not be liable for any delay in the performance of orders or contracts, or in the delivery or shipment of the goods, or for any damages suffered by the Purchaser by reason of such delay, including liquidated or actual damages.

3. Arbitration. Any and all controversies or claims arising out of or relating to this contract or the performance or breach thereof shall be settled by arbitration in Minneapolis, Minnesota in accordance with the then existing rules and procedure of the American Arbitration Association.

4. Mechanic's Lien or Bond Rights. Nothing herein shall be deemed to waive or affect Seller's right to assert a mechanic's lien against the property on which the goods are installed or to make a claim against any bond. Purchaser agrees to provide any and all information requested by Seller, within three (3) calendar days, to allow Seller to preserve or effectuate its mechanic's lien or bond rights.

5. Change Orders. A change order will be required for any additional work to be performed or materials to be supplied by the Seller, which is not included in the contract or is a result of the Purchaser's failure to comply with the terms and conditions as described herein. A change order must be filled out by the Seller and signed by the Purchaser before any work commences or material is ordered and/or shipped.

6. Production Schedule, Installation Schedule, and Storage. When Seller has received and accepted the contract along with signed approval drawings and credit approval, they will have up to 16 weeks to produce and deliver the materials provided that there are no custom materials needed. Custom materials will include non-standard colors and/or materials. The Purchaser will be contacted after the receipt of the required information to coordinate a shipping date and an installation date(s). These dates will serve as the contract delivery date and will be used to schedule production, delivery, and installation. The Owner/Purchaser will be contacted 21 days prior to shipping to confirm that the site will be ready. If the Purchaser's site is not ready or will not be ready on this date, the following may occur:

Dasher Board Systems

- A. Seller may choose whether or not to produce the rink according to its production schedule. If they produce the rink on schedule, it will be stored at Becker Arena Product's location of business and storage fees will be charged to the Purchaser at the rate of US \$300 per week. All payments will be due according to the terms from the original ship date. If the Seller chooses to delay production to coincide with the new ship date, no storage fees will apply and payment will be due according to the terms from the original ship date. If contract terms are paid in full prior to shipping, the time will start from the original ship date and not the adjusted ship date.
- B.
- C. A new shipping installation date will be coordinated with Seller's installation department and confirmed with the Purchaser. The Seller will reschedule the installation for the next available date according to the Seller's installation schedule. In some cases, the site delay may cause additional charges. This includes, but is not limited to, wages, remobilization, and equipment rental, to be paid by the Purchaser.
- D. If the Purchaser's site is not ready when the Seller's installation crew arrives, additional costs will be charged to the Purchaser. This includes, but is not limited to wages, travel, lodging, meals, equipment rental and changes in Becker Arena Product's installation schedule.

7. General Site Requirements. The following criteria must be met or extra charges may apply, and delays will be incurred, if the site is not in compliance when Seller is ready to deliver and install the goods:

- A. Concrete and Floor Work: All concrete work is to be completed and allowed to cure, according to job specifications and/or refrigeration contractors requirements, before the date installation is scheduled to begin.
- B. The levelness of the perimeter concrete, where the rink is to be installed, must be within 1/8" of levelness for every 10' in length and no more than 1/4" difference in height over the length and width of the perimeter surface.
- C. For sand floors, the first 6" from the front of the curb, where the rink is to be installed, must be within 1/16" of flatness from the inside edge outward and meet the levelness and flatness conditions specified above, Sand floors are not to be final graded prior to dasher board installation.

- D. Expansion joints, which are to be covered completely by the rink, are to be within 1/2" of straightness from end to end and side to side. The distance from side to side and end to end of the outside edge of the expansion joint is to be within 1/2" of the required dimension for the frame to cover it.
- E. If, upon arrival, the perimeter concrete is inspected and does not meet the specifications for levelness, flatness, straightness and size, the following will occur:
1. Seller's Representative will determine if rink can be shimmed or adjusted/cut to achieve desired levelness, fit and/or expansion joint coverage while maintaining the structural integrity of the rink. If so, the additional time and materials to do this will be paid by the Purchaser. A change order must be filled out by the Seller's Representative and signed by the Purchaser before any work commences.
 2. If the rink cannot be shimmed or adjusted to the desired levelness and/or coverage while maintaining the structural integrity of the rink, the Purchaser will be responsible for fixing the surface to meet specifications. All associated costs for this are the sole responsibility of the Purchaser.
 3. The Seller will accept contracts that are retrofit projects with the understanding that the condition of the underlying perimeter concrete work meets the specifications stated above. If, after removal of the existing rink, the concrete does not meet these conditions, points "1" and "2" from above will apply.

8. Requirements for Rink Installations:

(Refer to the enclosed Site Requirements)

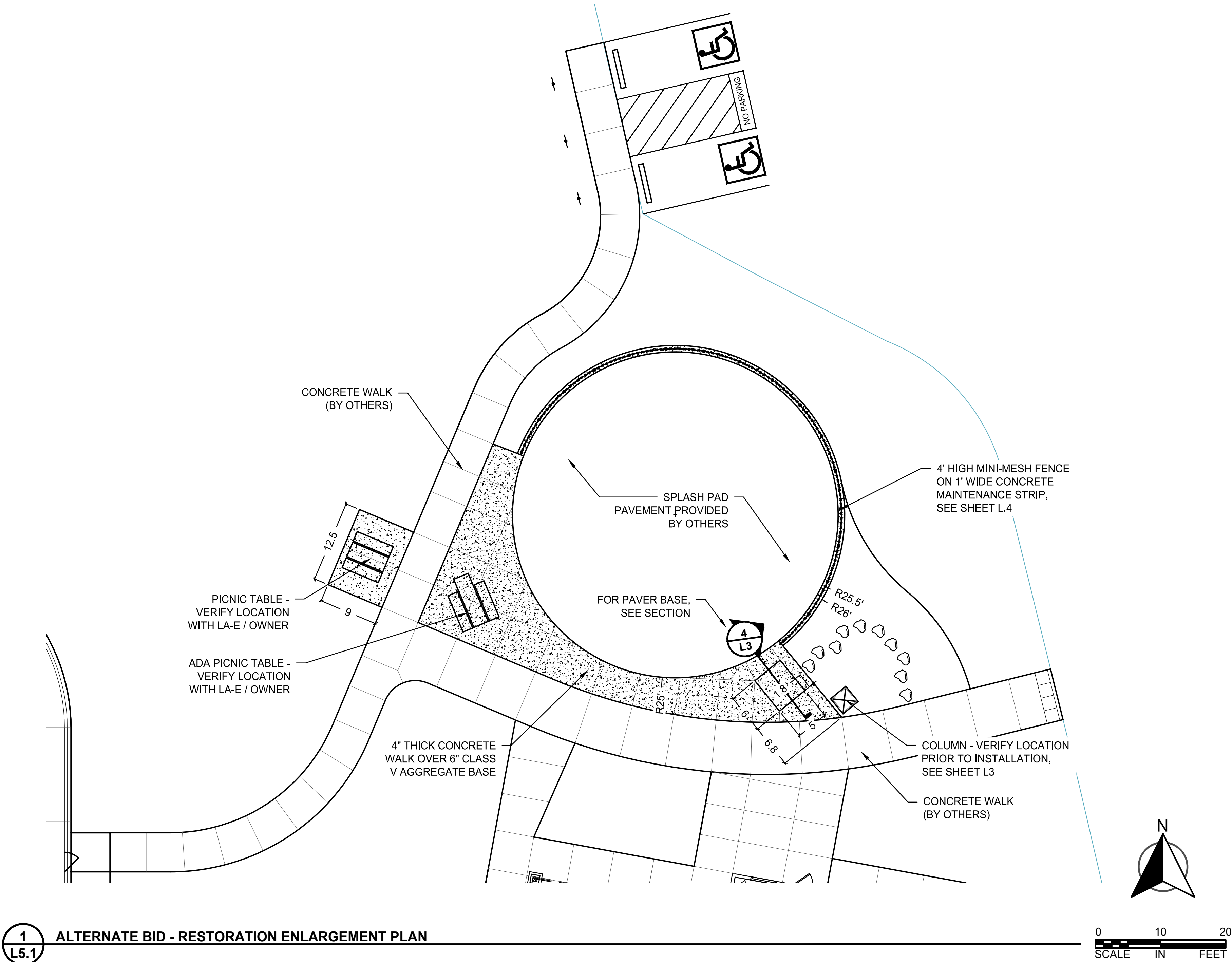
9. Walk Through Inspection. When Seller's work is complete or near complete, Purchaser or the Purchaser's Representative (including general contractors and architects) must be available for a final walk-through inspection with the Seller's Representative. Any parties who do not attend the walk through will forfeit their right to submit punch list items. A final punch list of items to be completed or repaired will be prepared as a result of this walk through. Any item not included on the final "punch list" will not be the responsibility of the Seller unless it is covered by the Seller's Warranty.

10. Shop Drawings and Non-standard Shielding. Preparation of shop drawings will not commence until after the signed contract has been delivered to Seller. Production will not commence until Seller receives approved shop drawings. Field measured; tempered glass (non-standard sizes) may require an additional 3-4 weeks for delivery after completion of installation. Any field measured tempered glass to be installed by purchaser.

11. Polyethylene. All polyethylene used to manufacture the rink shall be virgin material. All colors shall match within manufacturer's tolerance. Seller will not be responsible for replacing polyethylene that conforms to manufacturers color tolerance. During manufacturing, all panels shall have the polyethylene overhang past the frame a minimum of 1/16" on each end to allow for contraction of the material due to temperature change in the field. Seller shall not be responsible for material contraction gaps between panels due to temperature change if it adheres to these manufacturing requirements.

12. Material Check-in. (Installation supervision and supply only contracts) The Purchaser shall be responsible to verify the shipment for quantities and any damage caused from shipping for jobs that include installation supervision or are supply only. Any quantity variances and/or damage must be noted and reported to the Project Manager by filling out the Material Check-in Form and faxing it to the Project Manager. Missing/damaged items must be reported within 24 hours of receipt to receive credit. All boxes will be clearly marked by the Seller. The Ship list will clearly identify the contents and quantities of the shipment. It is the responsibility of the Purchaser to verify that all box numbers in the hardware crate are accounted for, not to open and count each individual item in a box. The Purchaser must count anything that is not boxed.

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WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: SDF
PLAN BY: SDF
CHECK BY: RAS

REVISIONS	
NO.	DESCRIPTION

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.

DATE: XX/XX/XX LIC. NO: XXXX

XXXXXXXX X XXXXXX

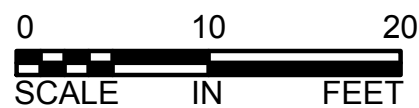
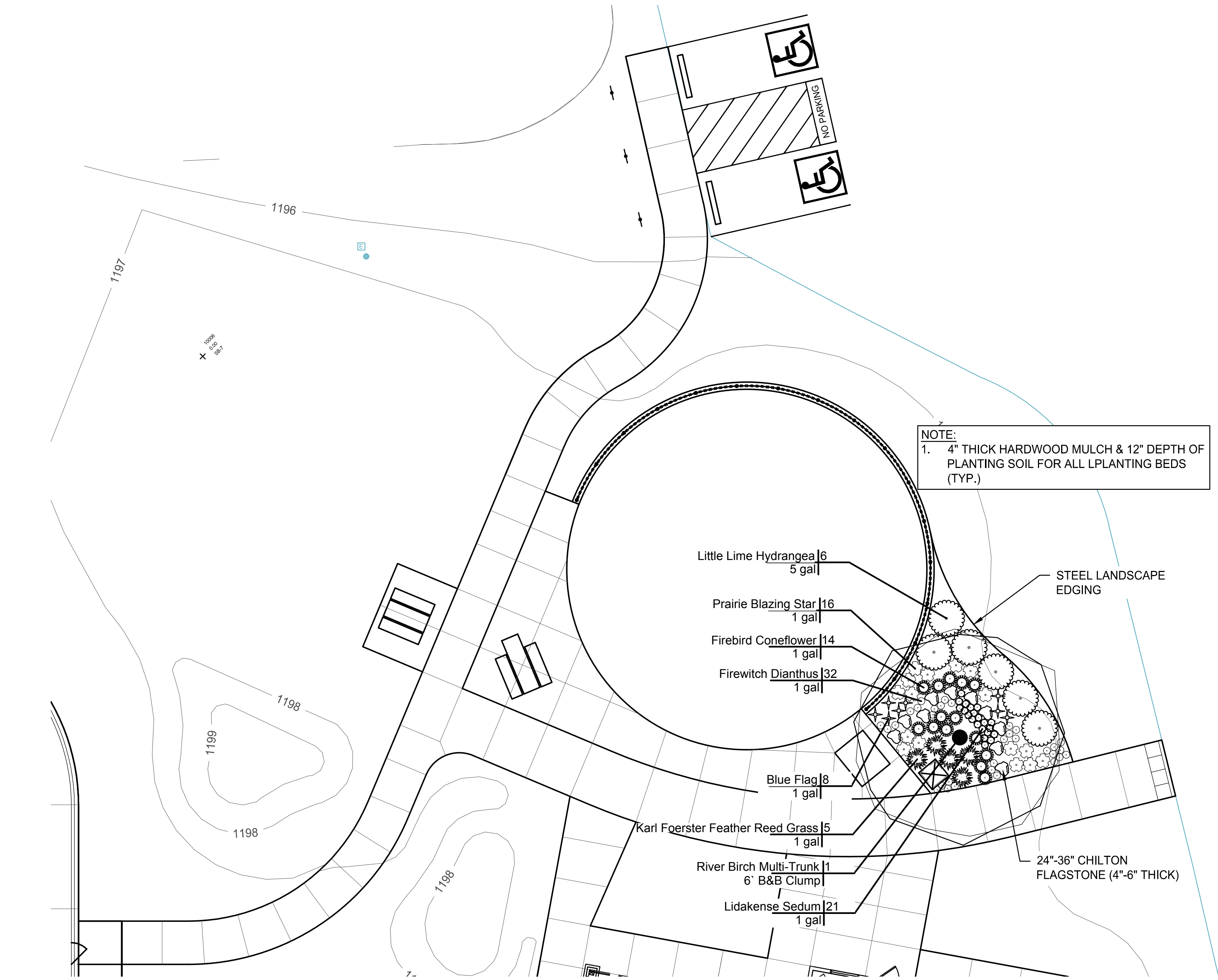
MEMORIAL PARK - PLANS BY OTHERS

CITY OF BRAINERD

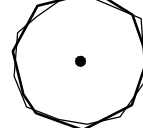
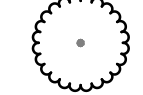
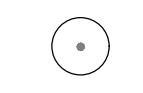
LAYOUT PLAN

SHEET
L1

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PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT
	1	Betula nigra / River Birch Multi-Trunk	6' B&B Clump
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE
	6	Hydrangea paniculata 'Little Lime' / Little Lime Hydrangea	5 gal
GRASSES / SEDGE	QTY	BOTANICAL / COMMON NAME	SIZE
	5	Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	1 gal
PERENNIALS	QTY	BOTANICAL / COMMON NAME	SIZE
	32	Dianthus gratianopolitanus 'Firewitch' / Firewitch Dianthus	1 gal
	14	Echinacea x 'Firebird' / Firebird Coneflower	1 gal
	8	Iris versicolor / Blue Flag	1 gal
	16	Liatris pycnostachya / Prairie Blazing Star	1 gal
	21	Sedum cauticola 'Lidakense' / Lidakense Sedum	1 gal

2 PLANTING SCHEDULE

REVISIONS

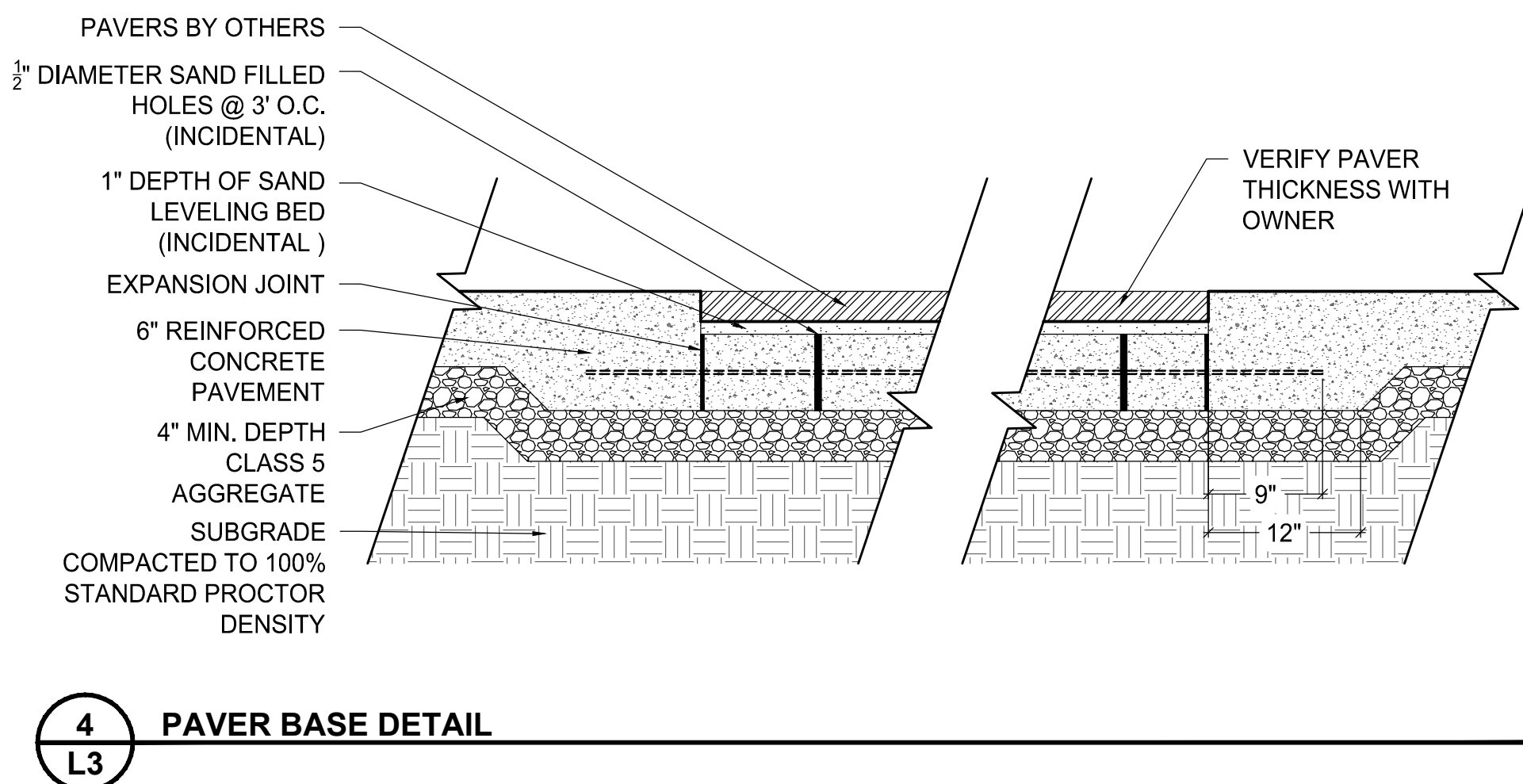
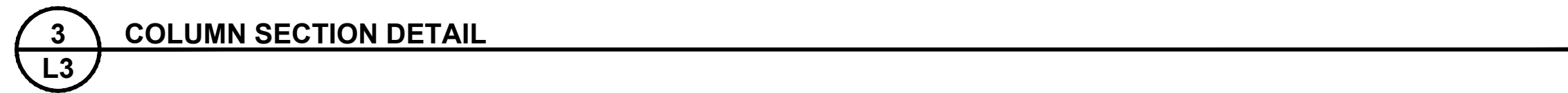
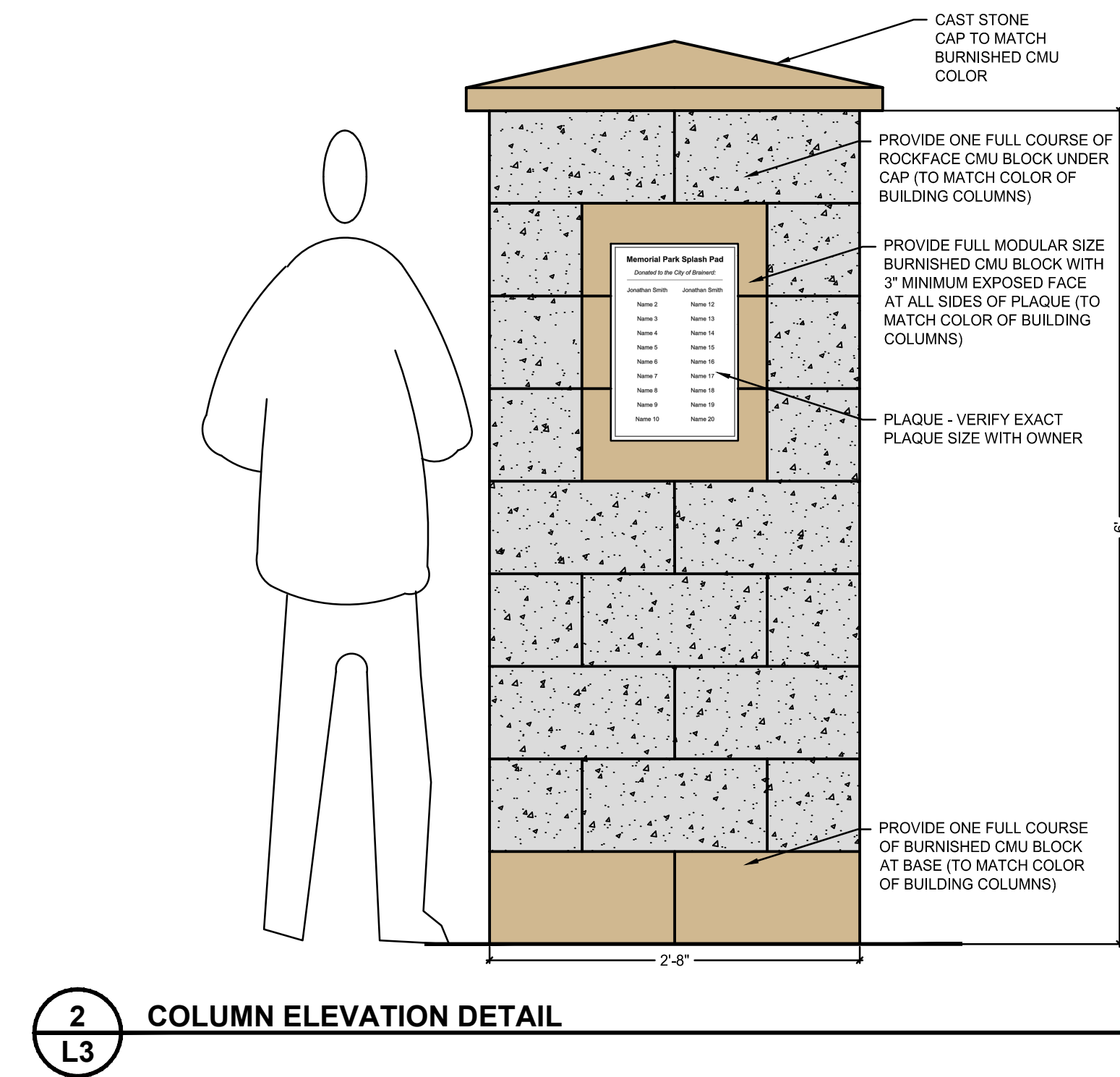
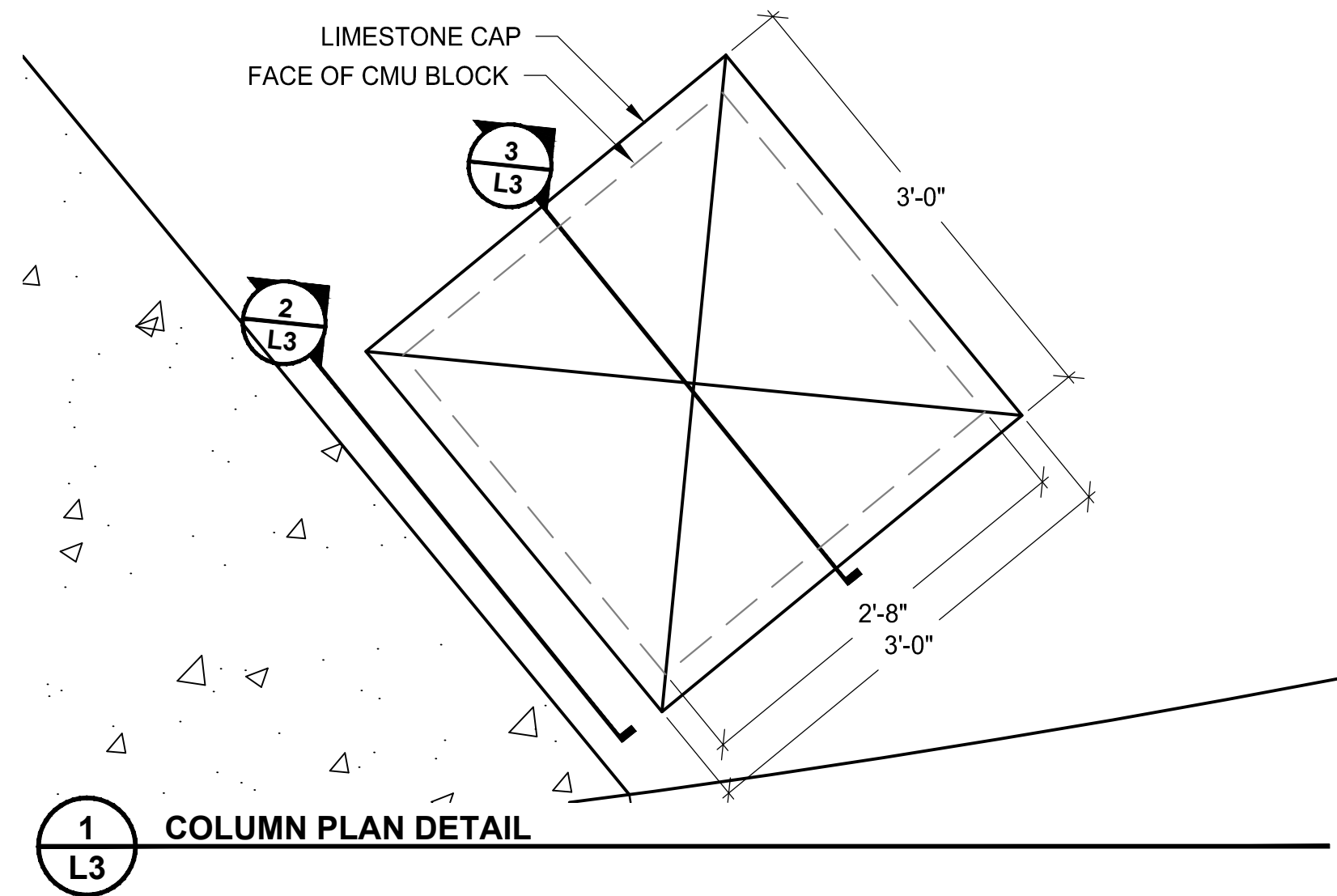
NO.	DATE	DESCRIPTION

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.

XXXXXXXX X. XXXXXXXX

DATE: XX/XX/XX LIC. NO: XXXXX

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REVISIONS

NO.	DATE	DESCRIPTION

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.

DATE: XX/XX/XX
LIC. NO.: XXXXX
XXXXXX X. XXXXXX

MEMORIAL PARK - PLANS BY OTHERS

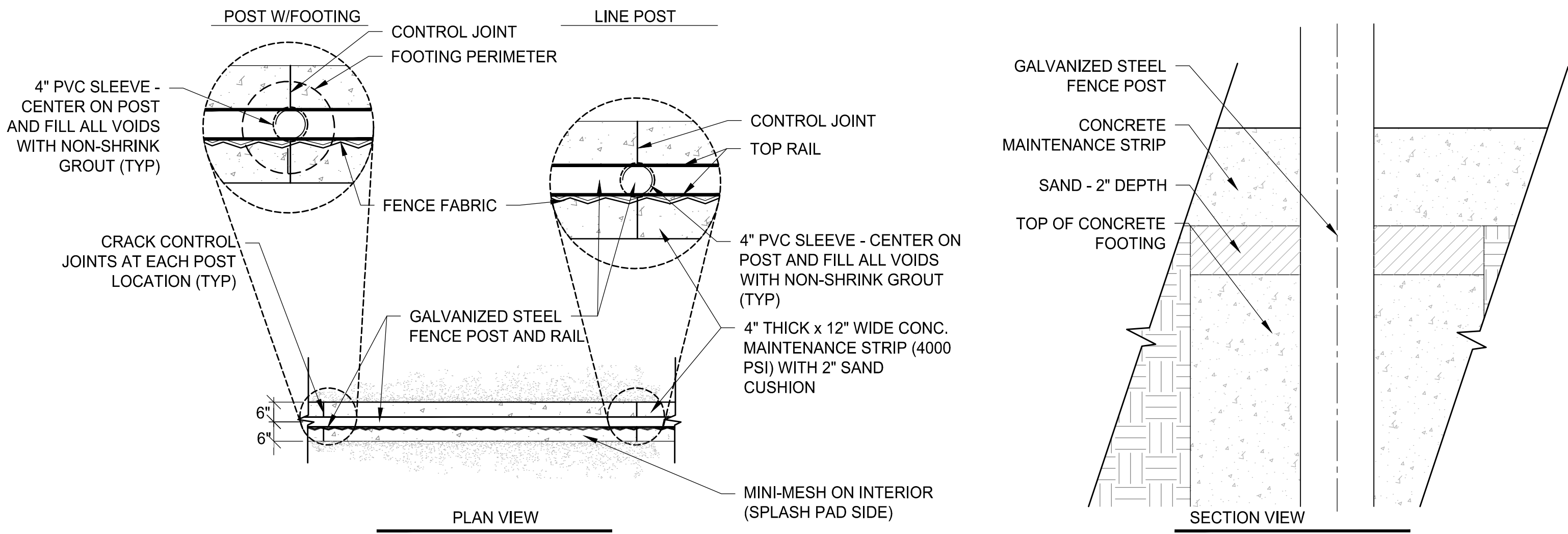
CITY OF BRAINERD

MISCELLANEOUS
DETAILS

SHEET

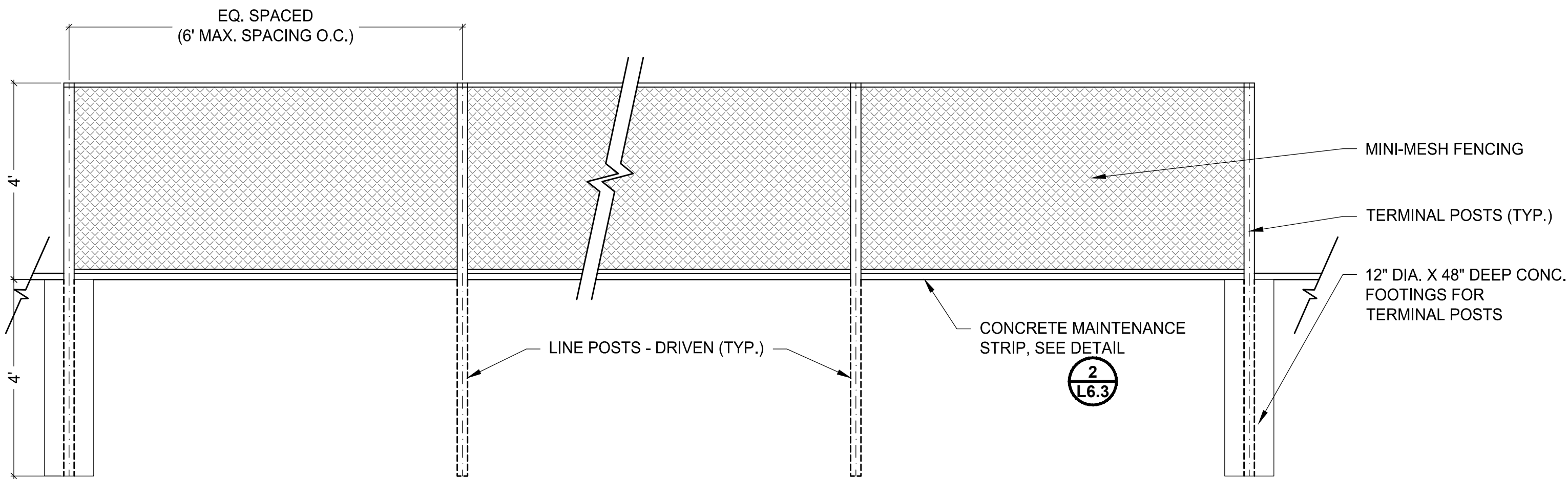
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1
L4

CONCRETE MAINTENANCE STRIP



2
L4

4' HIGH MINI-MESH FENCE DETAIL

REVISIONS

NO.	DATE	DESCRIPTION

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.

DATE: XX/XX/XX
LIC. NO.: XXXXX
XXXXXX X. XXXXXX

MEMORIAL PARK - PLANS BY OTHERS

CITY OF BRAINERD

MISCELLANEOUS
DETAILS

SHEET
L4

MEMORIAL PARK REDEVELOPMENT PROJECT

Brainerd, Minnesota

WSB & Associates, Inc. Project No. 016307-000
Issue Date..... January 20, 2021



1

L1.0

PROJECT LOCATION MAP

SCALE: NOT TO SCALE

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THE SUBSURFACE UTILITY INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF PRIVATE UTILITIES HAS BEEN DESIGNATED UTILITY QUALITY LEVEL D. THESE QUALITY LEVELS WERE DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE DATA". THE CONTRACTOR IS TO DETERMINE THE TYPE AND LOCATION OF PRIVATE UTILITIES AS MAY BE DEEMED NECESSARY TO AVOID DAMAGE THERETO.

WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: JLA
PLAN BY: SDF
CHECK BY: JLA

REVISIONS	
NO.	DESCRIPTION

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.

STEVEN D. FOSS

DATE: 11/20/2020 LIC. NO: 56852

MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

COVER SHEET

SHEET
L1.0

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STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

PROJECT NAME: MEMORIAL PARK REDEVELOPMENT PROJECT **PROJECT NUMBER:** WSB 016307-000
PROJECT LOCATION: **STREET:** MILL AVE **CITY:** BRAINERD **COUNTY:** CROW WING
STATE: MINNESOTA **ZIP:** 56401 **LATITUDE/LONGITUDE:** 46.3784/-94.1788

THE PLANNED SCOPE OF THE PROJECT INCLUDES:
THIS PROJECT IS LOCATED IN BRAINERD, MN (CROW WING COUNTY). THE CITY OF BRAINERD IS PROPOSING TO REDEVELOP MEMORIAL PARK BY REMOVING A BASEBALL FIELD, ADDING A BASEBALL FIELD, ADDING PAVED RINKS, CONSTRUCTING A NEW STORMWATER BASIN, ADDING A PLAYGROUND, CONSTRUCTING NEW WALKING PATHS, AND CONSTRUCTING A NEW PAVILION.

TENTATIVE CONSTRUCTION SCHEDULE (OPERATOR SHOULD PROVIDE ESTIMATED CONSTRUCTION SCHEDULE TO THE ENGINEER)	
CONSTRUCTION ACTIVITIES:	ESTIMATED DATES OF SOIL DISTURBANCE ACTIVITIES:
TEMPORARY SEDIMENT CONTROL BMPS & REMOVALS	SEPT 2020
GRADING	SEPT – OCT 2020
PAVEMENT	OCT – NOV 2020
FINAL STABILIZATION	NOV 2020

PROJECT PERSONNEL AND TRAINING

SWPPP DEVELOPER:
WSB (ZACH KOLSUM)
701 XENIA AVE S, SUITE 300
GOLDEN VALLEY, MN 55416
612-201-6809/ZKOLSUM@WSBENG.COM

CONTRACTOR TO PROVIDE CERTIFICATION OF EROSION CONTROL OFFICER AND ANY OTHER CREW MEMBERS WHO WILL WORK ON THE IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE MPCA. PROVIDE PROOF OF CERTIFICATION AT THE PRECONSTRUCTION MEETING. WORK WILL NOT BE ALLOWED TO COMMENCE UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED TO THE PROJECT ENGINEER.

CHAIN OF RESPONSIBILITY

BRAINERD AND THE CONTRACTOR ARE CO-PERMITTEES FOR THE NPDES CONSTRUCTION GENERAL PERMIT. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION PERMIT AT ALL TIMES UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE MPCA.

NAME	COMPANY	TITLE	PHONE
TONY SAILER	CITY OF BRAINERD	PARKS & RECREATION DIRECTOR (OWNER CONTACT)	218-828-2320

AGENCY CONTACTS

ORGANIZATION	CONTACT NAME	PHONE
MPCA (EMERGENCY) 24 HOUR	STATE DUTY OFFICER	1-800-422-0798
MPCA	BRITTANY FYOCK	218-316-3862

LOCATION OF SWPPP REQUIREMENTS

THE REQUIRED SWPPP ELEMENTS MAY BE LOCATED IN MANY PLACES WITHIN THE PLAN SET AS WELL AS IN THE SPECIAL PROVISIONS, PROJECT MANUAL, MNDOT SPEC BOOK, OR ON FILE WITH THE PROJECT OWNER.

DESCRIPTION	LOCATION
TEMPORARY/PERMANENT EROSION CONTROL MEASURES	SEE PLAN SET
DIRECTION OF FLOW	SEE PLAN SET
CONSTRUCTION NOTES & STANDARD PLATES	SEE PLAN SET
DRAINAGE PLAN & CONSTRUCTION PLAN	SEE PLAN SET
BMP TABULATION	SEE PLAN SET
STORMWATER CALCULATIONS	DRAINAGE REPORT & HYDRAULIC REPORT. AVAILABLE UPON REQUEST

RECEIVING WATERS

A SPECIAL AND IMPAIRED WATERS SEARCH WAS COMPLETED USING THE MPCA SEARCH ENGINE ON 07/13/2020. BASED ON THIS REVIEW, THE FOLLOWING SPECIAL/IMPAIRED WATERS (WITH CONSTRUCTION RELATED IMPAIRMENTS) ARE LOCATED WITHIN ONE MILE OF, AND DOWNSTREAM OF, ANY PROJECT DISCHARGE POINTS. PARTS 23.9 & 23.10 OF THE NPDES PERMIT APPLY.

WATERBODY	IMPAIRMENT(S)
MISSISSIPPI RIVER	TOTAL SUSPENDED SOLIDS, MERCURY IN FISH TISSUE
RICE LAKE	MERCURY IN FISH TISSUE
FRESHWATER POND	N/A
STORMWATER BASIN	N/A
STORMWATER BASIN	N/A

AREAS OF ENVIRONMENTAL SENSITIVITY (AES) AND INFESTED WATERS

IN ADDITION TO THE LIST OF SPECIAL AND IMPAIRED WATERS, THE CONTRACTOR SHALL BE AWARE THAT THERE ARE EXISTING STORMWATER FACILITIES WITHIN AND NEAR THE PROJECT BOUNDARY. THERE IS A MAP OF KNOWN NATURAL RESOURCES ON THE LAST PAGE OF THE SWPPP NARRATIVE. AREAS OF ENVIRONMENTAL SENSITIVITY ARE ALSO CALLED OUT ON THE PLAN SHEETS.

SOIL TYPES

6 SEPARATE SOIL BORING SAMPLES WERE TAKEN DURING THE DESIGN PHASE. THE TOPSOIL IS MAINLY COMPRISED OF ORGANIC CLAY WITH SAND. UNDERNEATH THE TOPSOIL IS GLACIAL OUTWASH MADE UP OF SANDS/SANDS WITH TRACE SILT. ADDITIONAL SOIL INFORMATION CAN BE FOUND IN THE SOIL BORING REPORT, LOCATED WITHIN THE PROJECT SPECIFICATIONS. SOIL CLASSIFICATIONS FOR HIGHLY ERODIBLE LAND (HEL), POTENTIALLY HIGHLY ERODIBLE LAND (PHEL), AND NOT HIGHLY ERODIBLE LAND (NHEL) SOILS CAN BE FOUND ON *FIGURE 1. SWPPP RESOURCE MAP*. NATIVE TOPSOIL WILL BE STRIPPED; IF MATERIAL NEEDS TO BE STOCKPILED, APPROPRIATE ACTION WILL TAKE PLACE TO ENSURE THE STOCKPILES HAVE ALL PROPER BMPS IN PLACE ACCORDING TO THIS SWPPP AND THE NPDES PERMIT.

ENVIRONMENTAL REVIEW

NO FORMAL ENVIRONMENTAL REVIEW WAS REQUIRED FOR THIS PROJECT.

WETLANDS: MITIGATION MEASURES ARE NOT REQUIRED AS A RESULT OF WETLAND IMPACTS FROM THE PROJECT. ALL WETLAND AREAS WILL BE PROTECTED WITH PERIMETER CONTROL AND A 50’ NATURAL BUFFER (IF INFEASIBLE, REDUNDANT PERIMETER CONTROL MEASURES), INCLUDED AREAS THAT ARE PERMITTED TO BE FILLED AND/OR EXCAVATED UNTIL WORK IN THE PERMITTED AREAS ARE NECESSARY. REDUNDANT BMP MEASURES MUST BE PLACED 5’ FROM THE INITIAL PERIMETER CONTROL MEASURE WITH A STABILIZED BUFFER STRIP BETWEEN THE BMPS.

THREATENED/ENDANGERED SPECIES: THE CITY OF BRAINERD LISTS THE NORTHERN LONG-EARED BAT AND THE GRAY WOLF AS THREATENED/ENDANGERED SPECIES WITHIN THE COUNTY. BASED ON THE CONSTRUCTION ACTIVITIES, IT IS DETERMINED THAT THE PROJECT WILL HAVE NO EFFECT ON THESE SPECIES OR THEIR HABITATS. HOWEVER, IF THESE SPECIES ARE FOUND, CONTRACTOR TO STOP WORK IMMEDIATELY FOR FURTHER INVESTIGATION.

DRINKING WATER/WELLS: ACCORDING TO THE MDH, THE PROJECT IS NOT LOCATED WITHIN ANY DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA) OR NEAR ANY WELLHEAD PROTECTION AREAS.

CONTAMINATED PROPERTIES: THE MPCA’S “WHAT’S IN MY NEIGHBORHOOD” DATABASE WAS REVIEWED ON 07/13/2020. THE RESULTS OF THIS REVIEW SHOW ONE (1) KNOWN INACTIVE BROWNSFIELD INVESTIGATION & CLEAN UP LOCATED ADJACENT TO THE PROJECT ALIGNMENT: ID 196860 46.3769/-94.1780. THE DEPTH AND LOCATION OF CONSTRUCTION IS NOT PROPOSED TO UNEARTH ANY CONTAMINATED SOIL, CONTAMINATED WATER, AND/OR REGULATED WASTE. REFER TO MNDOT SPEC 1717.1.A. FOR POTENTIAL INDICATORS OF CONTAMINATED MATERIALS AND REGULATED WASTE. IF CONTAMINATED MATERIAL, CONTAMINATED WATER, AND/OR REGULATED MATERIALS ARE FOUND, CREWS ARE TO STOP WORK IMMEDIATELY FOR FURTHER INVESTIGATION/TESTING.

FLOOD CONTINGENCY PLAN: PROJECT ACTIVITIES ARE NOT LOCATED WITHIN THE 100-YEAR FLOODPLAIN OR FLOODWAY; HOWEVER, THE PROJECT ENGINEER (AT THEIR DISCRETION) MAY REQUIRE A PREVENTATIVE FLOOD CONTINGENCY PLAN FOR SPECIFIC PROJECT ACTIVITIES AND AREAS IF SEASONAL PRECIPITATION POSSES A POTENTIAL RISK OF FLOODING WORK AREAS WITHIN THE PROJECT LIMITS. THIS PLAN SHALL BE SUBMITTED BY THE OPERATOR TO THE PROJECT ENGINEER FOR APPROVAL A MINIMUM OF 72 HOURS PRIOR TO THE SCHEDULED WORK AND/OR DURING ACTIVE WORK WITHIN THE AREA OF POTENTIAL RISK OF FLOODING. NO WORK CAN COMMENCE IN THE AREA UNTIL WRITTEN APPROVAL HAS BEEN GRANTED BY THE PROJECT ENGINEER.

LAND FEATURE CHANGES

TOTAL AREA TO BE DISTURBED = 5 ACRES
IMPERVIOUS AREA: PRE-CONSTRUCTION = 0.28 ACRES/POST-CONSTRUCTION = 1.53 ACRES
NET INCREASE OF IMPERVIOUS AREA = 1.25 ACRES

LONG TERM MAINTENANCE AND OPERATION:
THE NPDES PERMANENT STORMWATER TREATMENT SYSTEM (PART 15.1) FROM THE NET NEW IMPERVIOUS SURFACES OF THE PROJECT IS PROVIDED IN A NEWLY PROPOSED STORMBASIN IN ADDITIONAL TO PREEXISTING STORMWATER BASINS. BRAINERD CITY STAFF IS RESPONSIBLE FOR THE LONG-TERM MAINTENANCE AND OPERATION OF THE PERMANENT STORMWATER SYSTEM.

STABILIZATION TIME FRAMES

AREA	TIME FRAME	NOTES
EXPOSED AREAS	IMMEDIATELY AND NO LATER THAN 7 DAYS OF BEING UNWORKED	1, 4, 5
LAST 200 LINEAL FEET OF DRAINAGE DITCH/SWALE	WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER/PROPERTY EDGE	1, 2, 3
REMAINING PORTIONS OF DRAINAGE DITCH OR SWALE	7 DAYS	1, 3
PIPE AND CULVERT OUTLETS	24 HOURS	
STOCKPILES	7 DAYS	1

- INITIATE STABILIZATION IMMEDIATELY WHEN CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE. COMPLETE STABILIZATION WITHIN THE TIME FRAME LISTED. IN MANY INSTANCES THIS WILL REQUIRE STABILIZATION TO OCCUR MORE THAN ONCE DURING THE COURSE OF THE PROJECT. TEMPORARY SOIL STOCKPILES WITHOUT SIGNIFICANT CLAY OR SILT AND STOCKPILED AND CONSTRUCTED ROAD BASE ARE EXEMPT FROM THE STABILIZATION REQUIREMENT.
- STABILIZE WETTED PERIMETER OF DITCH (I.E. WHERE THE DITCH GETS WET).
- APPLICATION OF MULCH, HYDROMULCH, TACKIFIER AND POLYACRYLAMIDE ARE NOT ACCEPTABLE STABILIZATION METHODS IN THESE AREAS.
- STABILIZE ALL AREAS OF THE SITE PRIOR TO THE ONSET OF WINTER. ANY WORK STILL BEING PERFORMED WILL BE MULCHED OR BLANKETED WITHIN THE TIME FRAMES IN THE NPDES PERMIT.
- KEEP DITCHES AND EXPOSED SOILS IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL MULCHES, HYDROMULCHES, AND BLANKETS.

SITE INSPECTION AND MAINTENANCE

THE EROSION CONTROL OFFICER IS TO INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. THE OPERATOR SHALL PROVIDE A RAINFALL GAUGE ON-SITE AT VARIOUS MILE INTERVALS ALONG THE ALIGNMENT. INSPECT ALL TEMPORARY AND PERMANENT PROJECT BMPS UNTIL THE SITE HAS UNDERGONE FINAL STABILIZATION AND THE NOT HAS BEEN SUBMITTED. INSPECT SURFACE WATER INCLUDING DRAINAGE DITCHES FOR SIGNS OF EROSION AND SEDIMENT DEPOSITION. INSPECT CONSTRUCTION SITE VEHICLE EXIT



WSB PROJECT NO.:
016307-000

SCALE: DESIGN BY:
AS SHOWN JLA
PLAN BY: CHECK BY:
SDF JLA

REVISONS	NO	DATE	DESCRIPTION

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DATE: 11/20/2020
LIC. NO: 56652
STEVEN D. FOSS

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

SWPPP

SHEET
L1.1

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LOCATIONS FOR EVIDENCE OF TRACKING ONTO PAVED SURFACES. INSPECT SURROUNDING PROPERTIES FOR EVIDENCE OF OFF-SITE SEDIMENT ACCUMULATION. INSPECT INFILTRATION AREAS FOR SIGN OF SEDIMENT DEPOSITION AND COMPACTIONS (TO ENSURE THAT EQUIPMENT IS NOT BEING DRIVEN ACROSS THE AREA). ALL INSPECTIONS AND MAINTENANCE CONDUCTED MUST BE RECORDED IN WRITING BY THE OPERATOR AND RETAINED WITH THE SWPPP. SUBMIT INSPECTION REPORTS IN A FORMAT THAT IS ACCEPTABLE TO THE PROJECT ENGINEER. RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY SHALL INCLUDE:

A. DATE, TIME, AND NAME OF PERSON(S) CONDUCTING INSPECTIONS;

B. FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS;

C. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); INCLUDING DOCUMENTATION/PHOTOS OF IMPLEMENTED BMPS INTENDED TO CORRECT A PROBLEM BUT FAILED.

D. DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS;

E. DOCUMENTATION OF CHANGES MADE TO THE SWPPP.

REPLACE, REPAIR OR SUPPLEMENT ALL NONFUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY FOLLOWING DISCOVERY UNLESS LISTED DIFFERENTLY BELOW:

A. REPAIR, REPLACE, OR SUPPLEMENT PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT OF THE DEVICE. COMPLETE REPAIRS BY THE END OF THE NEXT BUSINESS DAY FOLLOWING DISCOVERY.

B. REPAIR OR REPLACE INLET PROTECTION DEVICES WHEN THEY BECOME NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT AND/OR DEPTH OF THE DEVICE.

C. REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS. STABILIZE ANY AREAS THAT ARE DISTURBED BY SEDIMENT REMOVAL OPERATIONS. SEDIMENT REMOVAL AND STABILIZATION MUST BE COMPLETED WITHIN 7 DAYS OF DISCOVERY.

D. REMOVE TRACKED SEDIMENT FROM PAVED SURFACES BOTH ON AND OFF SITE WITHIN ONE (1) CALENDAR DAY OF DISCOVERY. STREET SWEEPING MAY HAVE TO OCCUR MORE OFTEN TO MINIMIZE OFF SITE IMPACTS. LIGHTLY WET THE PAVEMENT PRIOR TO SWEEPING.

E. MAINTAIN ALL BMPS UNTIL WORK HAS BEEN COMPLETED, SITE HAS GONE UNDER FINAL STABILIZATION, AND THE NOT HAS BEEN SUBMITTED TO THE MPCA.

CONSTRUCTION ACTIVITY REQUIREMENTS: EROSION/SEDIMENT CONTROL, PROCEDURES, & MAINTENANCE STANDARDS

- AMEND THE SWPPP AND DOCUMENT ALL CHANGES TO THE SWPPP AND ASSOCIATED PLAN SHEETS IN A TIMELY MANNER. SWPPP AMENDMENTS AND SITE PLANS WILL BE PREPARED BY THE OPERATOR AND SUBMITTED TO THE OWNER FOR REVIEW AND WRITTEN APPROVAL BY THE PROJECT OWNER (OR DESIGNATED REPRESENTATIVE). STORE THE SWPPP AND ALL AMENDMENTS ON SITE AT ALL TIMES.
- PREPARE AND SUBMIT A SITE MANAGEMENT PLAN FOR THE ENGINEER’S ACCEPTANCE FOR CONCRETE MANAGEMENT, VEGETATION PRESERVATION & MAINTENANCE PLAN, WORK IN AND NEAR AREAS OF ENVIRONMENTAL SENSITIVITY, AREAS IDENTIFIED IN THE PLANS AS “SITE MANAGEMENT PLAN AREA”, ANY WORK THAT WILL REQUIRE DEWATERING, ANY ADDITIONAL PLANS LISTED IN THE PROJECT SPECIFICATIONS, AND AS REQUIRED BY THE ENGINEER. SUBMIT ALL SITE MANAGEMENT PLANS TO THE ENGINEER IN WRITING. ALLOW A MINIMUM OF 7 DAYS FOR PROJECT ENGINEER TO REVIEW AND ACCEPT SITE MANAGEMENT PLAN SUBMITTALS. WORK WILL NOT BE ALLOWED TO COMMENCE IF A SITE MANAGEMENT PLAN IS REQUIRED UNTIL ACCEPTANCE HAS BEEN GRANTED BY THE ENGINEER. THERE WILL BE NO EXTRA TIME ADDED TO THE CONTRACT DUE TO THE UNTIMELY SUBMITTAL.
- THERE IS NO CONSTRUCTION PHASING OR STAGING DEFINED BY THE OWNER FOR THIS PROJECT. THE SCHEDULE FOR INSTALLING TEMPORARY BMPS SHALL BE INCORPORATED INTO THE OPERATOR’S WEEKLY SCHEDULE FOR EACH CONSTRUCTION STAGE AND PRESENTED TO THE OWNER’S REPRESENTATIVE.
- BURNING OF ANY MATERIAL IS NOT ALLOWED WITHIN PROJECT BOUNDARY.
- DO NOT DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS. DELINEATE AREAS NOT TO BE DISTURBED AND WETLANDS (EVEN AREAS THAT ARE PERMITTED FOR CONSTRUCTION) PRIOR TO STARTING GROUND DISTURBING ACTIVITIES. IF IT BECOMES NECESSARY TO DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS, OBTAIN WRITTEN PERMISSION FROM THE PROJECT ENGINEER PRIOR TO PROCEEDING. PRESERVE ALL NATURAL BUFFERS SHOWN ON THE PLANS.
- ROUTE STORMWATER AROUND UNSTABILIZED AREAS OF THE SITE WHENEVER FEASIBLE. PROVIDE EROSION CONTROL AND VELOCITY DISSIPATION DEVICES AS NEEDED TO KEEP CHANNELS FROM ERODING AND TO PREVENT NUISANCE CONDITIONS AT THE OUTLET.
- DIRECT DISCHARGE FROM BMPS TO VEGETATED AREAS WHENEVER FEASIBLE. PROVIDE VELOCITY DISSIPATION DEVICES AS NEEDED TO PREVENT EROSION.
- LOCATE PERIMETER CONTROL ON THE CONTOUR TO CAPTURE OVERLAND, LOW-VELOCITY SHEET FLOWS DOWN GRADIENT OF ALL EXPOSED SOILS AND PRIOR TO DISCHARGING TO SURFACE WATERS. PLACE J-HOOKS AT A MAXIMUM OF 100-FOOT INTERVALS.
- ALL STOCKPILES MUST HAVE PERIMETER SEDIMENT CONTROLS IMPLEMENTED AND MAINTAINED AT ALL TIMES. PILES CANNOT BE PLACED IN BUFFER AREAS OR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES UNLESS THERE IS A BYPASS IN PLACE TO PREVENT STORMWATER RUN-ON INTO THE STOCKPILE.
- STEEP SLOPES MAY BE TEMPORARILY CREATED DURING GRADING OPERATIONS. STABILIZATION OF STEEP SLOPES (3:1 OR GREATER) SHALL BE PROPERLY CAT-TRACKED AND STABILIZED PER THE EROSION CONTROL PLAN. LONG SLOPES CAN BE BROKEN UP WITH SEDIMENT CONTROL LOGS IF EROSION IS EVIDENT.
- DITCH CHECKS WILL BE PLACED AS INDICATED ON THE PLANS DURING ALL PHASES OF CONSTRUCTION.
- ALL STORM DRAIN INLETS, THAT RECEIVE PROJECT STORMWATER, MUST BE PROTECTED BY APPROPRIATE BMPS DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED. INLET PROTECTION MAY BE REMOVED FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN (STREET FLOODING/FREEZING) HAS BEEN IDENTIFIED AND THE PERMITTEE(S) HAS RECEIVED WRITTEN CORRESPONDENCE FROM THE JURISDICTIONAL AUTHORITY VERIFYING THE NEED FOR REMOVAL. WRITTEN CORRESPONDENCE MUST BE DOCUMENTED IN THE SWPPP.
- SILT FENCE IS NOT AN ACCEPTABLE CATCH BASIN INLET PROTECTION BMP. CONTACTOR SHALL CLEAN, REMOVE AND DISPOSE OF SEDIMENT, AND/OR REPLACE STORM DRAIN INLET PROTECTION ON A ROUTINE BASIS TO ENSURE THE DEVICE IS FULLY FUNCTIONAL PRIOR TO THE NEXT FORECASTED PRECIPITATION EVENT (30% OR GREATER).
- DISCHARGE TURBID OR SEDIMENT LADEN WATER TO TEMPORARY SEDIMENT BASINS WHENEVER FEASIBLE. IN THE EVENT THAT IT IS NOT FEASIBLE TO DISCHARGE THE SEDIMENT LADEN WATER TO A TEMPORARY SEDIMENT BASIN, THE WATER MUST BE TREATED SO THAT IT DOES NOT CAUSE A NUISANCE CONDITION IN THE RECEIVING WATERS OR TO DOWNSTREAM LANDOWNERS. CLEAN OUT ALL PERMANENT STORMWATER BASINS REGARDLESS OF WHETHER USED AS TEMPORARY SEDIMENT BASINS/TRAPS TO THE DESIGN CAPACITY AFTER COMPLETING ALL UP-GRADIENT LAND DISTURBING ACTIVITY. USE A SKIMMER DEVICE FOR BASIN DRAINING.
- PROVIDE STABILIZATION IN ANY TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.
- THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN AND NARRATIVE TO THE PROJECT ENGINEER FOR APPROVAL 7 DAYS PRIOR TO UNDERTAKING THESE ACTIVITIES. DEWATERING PLAN MUST INCLUDE BMP’S TO PREVENT SEDIMENT TRANSPORT, EROSION, AND ADVERSE IMPACTS TO DOWNSTREAM RECEIVING WATERS. THE DEWATERING PLAN MUST ALSO INCLUDE ANY SPECIFIC CHEMICAL TREATMENTS (FLOC, POLYMERS, ETC.) THAT WILL BE USED. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY PERMIT NECESSARY FOR THESE ACTIVITIES; THE DEWATERING PLAN AND DNR APPROPRIATIONS PERMIT WILL BECOME PART OF THE SWPPP.

TEMPORARY & PERMANENT EROSION CONTROL BMPS

SEED MIX: SEED MIX SHALL BE USED IN CONSTRUCTION AND REVEGETATION PROJECTS IN ORDER TO ENHANCE SOIL NUTRIENT AVAILABILITY AND BIOLOGICAL SOIL STRUCTURE, ENCOURAGE NATIVE PLAN SUCCESSION, REDUCE EROSION, AND DISCOURAGE INVASIVE PLANT SPECIES. INOCULATION OF SOILS WITH MYCORRHIZAL FUNGI OR THE PRESENCE OF PRE-EXISTING SOIL MICROBES IS ESSENTIAL FOR THE STABILIZATION OF ADVERSE SOILS, ESTABLISHMENT OF NATIVE GRASSES, AND THE EXCLUSION OF NON-NATIVE “ANNUALS” AND NOXIOUS WEEDS.

EROSION CONTROL BLANKET: EROSION CONTROL BLANKETS (ECBS) ARE A SOIL STABILIZATION (EROSION CONTROL) BMP, INTENDED TO PROTECT DISTURBED SOIL SURFACES FROM RAINDROP IMPACT EROSION. ECBS ARE CARPET-LIKE MATS, INSTALLED OVER AND ANCHORED TO THE PROPERLY PREPARED SOIL SURFACES. PROPERLY SELECTED AND INSTALLED, ECBS CAN MIMIC THE BENEFICIAL EFFECTS OF VEGETATIVE COVER THEREBY REDUCING EROSION RATES BY OVER 90%. ECBS ALSO PROTECT SEEDS AND PROVIDE A BENEFICIAL ENVIRONMENT FOR VEGETATION TO BECOME ESTABLISHED. CONTRACTOR SHALL VERIFY DURING REGULAR INSPECTIONS THAT NO GULLIES, RILLS, OR SCOUR HOLES HAVE FORMED UNDER EROSION CONTROL BLANKETS AND MATS AND CORRECT ALL ERODED AREAS WITHIN 7 DAYS. ALL REPAIRS MUST BE COMPLETED WITHIN 24 HOURS OF DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.

HECP TYPE 3884.2.B.3: HYDRAULIC EROSION CONTROL PRODUCTS ARE SOIL STABILIZATION (EROSION CONTROL) TECHNIQUES WHERE FIBER MULCH IS APPLIED TO THE EXPOSED AND DISTURBED SOIL SURFACE. THE FIBER IS APPLIED HYDRAULICALLY, IN A SLURRY, PRODUCED BY MIXING FIBER, WATER AND A BINDING AGENT TOGETHER IN A MECHANICAL HYDRO-SEEDER. WOOD FIBER IS WIDELY USED BUT OTHER FIBERS CAN INCLUDE PAPER, STRAW, COIR, CORN, ETC. THE EFFECTIVENESS OF THESE HECP IS DEPENDENT ON:

- PROPER SOIL PREPARATION
- APPLICATION RATES (DEPENDENT ON THE MANUFACTURERS RECOMMENDATIONS)
- THE TYPE OF FIBERS USED
- THE TYPE OF BOND AGENT(S) ADDED

SOD TYPE LAWN: SOD IS A PERMANENT EROSION PREVENTION BMP THAT PROVIDES INSTANTANEOUS SOIL STABILIZATION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SOD AS OUTLINED IN THE PROJECT SPECIFICATIONS.

ENERGY DISSIPATER: AN ENERGY DISSIPATER IS A STRUCTURE DESIGNED TO CONTROL EROSION AT THE OUTLET OF A CHANNEL OR CONDUIT.

TEMPORARY & PERMANENT SEDIMENT CONTROL BMPS

MACHINE SLICED SILT FENCE: A SILT FENCE IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF FILTER FABRIC ENTRENCHED INTO THE SOIL AND ATTACHED TO SUPPORTING POSTS. SILT FENCE IS INTENDED TO BE INSTALLED WHERE SEDIMENT-LADEN WATER CAN POND, THUS ALLOWING THE SEDIMENT TO FALL OUT OF SUSPENSION AND SEPARATE FROM THE RUNOFF. SILT FENCE INSTALLED WITH A TRENCHER OR BY SLICING IS THE MOST EFFECTIVE INSTALLATION METHOD TO ENSURE AGAINST COMMON SILT FENCE FAILURES. THE BMP WILL BE CLEANED OUT OR REPLACED WHEN THE SEDIMENT REACHES 1/2 THE HEIGHT OF THE FENCE.

STABILIZED CONSTRUCTION EXIT: TEMPORARY CONSTRUCTION EXITS ARE CONSTRUCTED AT THE EGRESS POINT FROM THE CONSTRUCTION AREA ONTO A PAVED ROAD. A STABILIZED CONSTRUCTION EXIT IS A TRACKING CONTROL BMP INTENDED TO PREVENT TRACKING OF SOIL FROM THE CONSTRUCTION SITE BY EQUIPMENT AND VEHICLES. THE EXITS ARE CONSTRUCTED OF LARGE ANGULAR ROCK, STEEL RIBS (RUMBLE STRIPS), OR TRACK PADS INTENDED TO KNOCK THE MUD OFF THE TIRES BEFORE TRAVELING ONTO THE ROADWAY.

CHEMICAL TREATMENTS: OPERATOR MUST AMEND THE SWPPP TO INCLUDE THE INTENDED USES AND LOCATIONS OF FLOCCULANTS, POLYMERS, AND OTHER SEDIMENTATION TREATMENT CHEMICALS. CHEMICAL TREATMENTS MUST BE IN COMPLIANCE WITH PART 9.18.

DUST CONTROL: OPERATOR WILL COMPLY WITH STATE RULE 7011.0150 ON DUST PREVENTION REQUIREMENTS. DUST FROM THE SITE WILL BE CONTROLLED BY INCREASED STREET SWEEPING AND/OR USING A MOBILE PRESSURE-TYPE DISTRIBUTOR TRUCK TO APPLY POTABLE WATER TO DISTURBED AREAS. THE MOBILE UNIT WILL APPLY WATER AT A RATE NECESSARY TO PREVENT RUNOFF AND PONDING.

POLLUTION PREVENTION MANAGEMENT

- POTENTIAL SOURCES OF POLLUTANTS FROM CONSTRUCTION ACTIVITIES INCLUDE, BUT NOT LIMITED TO:
- SEDIMENT AND FUGITIVE DUST GENERATED FROM CLEARING AND GRUBBING, IMPORT/EXPORT OPERATIONS, REMOVALS/COMPACTION, MASS/FINE GRADING, EXCAVATIONS, TRENCHING, TOPSOIL STRIPING STOCKPILING.
 - BASIC/ACIDIC PH LEVELS FROM SIDEWALKS, MASONRY WASHOUT/CLEANOUT.
 - EXCESS NUTRIENTS FROM LANDSCAPING INSTALLATIONS, SOIL ADDITIVES, FERTILIZATION, MULCHING.



WSB PROJECT NO.:
016307-000

SCALE: DESIGN BY:
AS SHOWN JLA
PLAN BY: CHECK BY:
SDF JLA

REVISONS	DESCRIPTION		NO	DATE				

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DATE: 11/20/2020
LIC. NO.: 56852
STEVEN D. FOSS

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

SWPPP

SHEET
L1.2

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4. HYDROCARBONS FROM STREET CONSTRUCTION, DEMOLITION/REMOVALS, WET/DRY PAVEMENT CUTTING.

OPERATOR WILL COMPLY WITH ALL OF THE POLLUTION PREVENTION AND MANAGEMENT MEASURES IDENTIFIED IN THE NPDES-CSW PERMIT, PART 12.1. STORAGE AND DISPOSAL OF CONSTRUCTION AND HAZARDOUS WASTES MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

- A. POSITION AND STAKE DOWN ALL PORTABLE TOILETS SO THEY CANNOT BE TIPPED OR KNOCKED OVER. SUPPLY ADEQUATE SECONDARY CONTAINMENT.
- B. SECONDARY CONTAINMENT IS NEEDED AROUND ALL STATIONARY EQUIPMENT (GENERATORS, PUMPS, LIGHT PLANTS, ETC.) PROVIDE CONTAINMENT FOR ALL HAZARDOUS MATERIALS AND TOXIC WASTE.
- C. NO ENGINE DEGREASING IS ALLOWED ON SITE.
- D. VEHICLE AND EQUIPMENT WASHING TO OCCUR IN DESIGNATED AREA AS DETERMINED BY THE CONTRACTOR SUBMITTAL OF A MANAGEMENT PLAN FOR THESE ACTIVITIES.
- E. PROPERLY CLEAN UP AND REPORT ALL SPILLS AS REQUIRED BY THE MPCA AND MNDOT SPECIFICATIONS.
- F. PROVIDE A SPILL KIT AT EACH WORK LOCATION ON THE SITE.
- G. PROVIDE A SECURE STORAGE AREA WITH RESTRICTED ACCESS FOR ALL HAZARDOUS MATERIALS AND TOXIC WASTE. RETURN ALL HAZARDOUS MATERIALS AND TOXIC WASTE TO THE DESIGNATED STORAGE AREA AT THE END OF THE BUSINESS DAY UNLESS INFEASIBLE. STORE ALL HAZARDOUS MATERIALS AND TOXIC WASTE (INCLUDING BUT NOT LIMITED TO OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT, PETROLEUM BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) IN SEALED CONTAINERS WITH SECONDARY CONTAINMENT. CLEAN UP SPILLS IMMEDIATELY.
- H. SLURRY FROM CONCRETE OPERATIONS MUST BE VACUUMED UP IMMEDIATELY. NO CONCRETE WASHOUT SHALL COME IN CONTACT WITH THE GROUND AND MUST BE PROPERLY DISPOSED OF.
- I. A SIGN MUST BE INSTALLED ADJACENT TO EACH CONCRETE WASHOUT FACILITY.
- J. CREATE AND FOLLOW A WRITTEN DISPOSAL PLAN FOR ALL WASTE MATERIALS. INCLUDE IN THE PLAN HOW THE MATERIAL WILL BE DISPOSED OF AND THE LOCATION OF THE DISPOSAL SITE. SUBMIT PLAN TO THE ENGINEER PRIOR TO CONSTRUCTION.
- K. USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT DISCHARGE OR PLACEMENT OF BITUMINOUS WASTES FROM AREAS OF EXISTING OR FUTURE VEGETATED SOILS AND FROM ALL WATER CONVEYANCE SYSTEMS, INCLUDING INLETS, DITCHES AND CURB FLOW LINES.

FINAL STABILIZATION

FINAL STABILIZATION IS ACHIEVED WHEN NPDES CGP PARTS 13.1-13.7 (AS APPLICABLE) ARE COMPLETED PRIOR TO SUBMISSION OF THE NOTICE OF TERMINATION (NOT) TO MPCA.

1. ALL AREAS MUST BE STABILIZED WITH A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%.
2. ALL TEMPORARY SEDIMENT CONTROL BMP MEASURES MUST BE REMOVED PRIOR TO SUBMITTING PERMIT NOT.

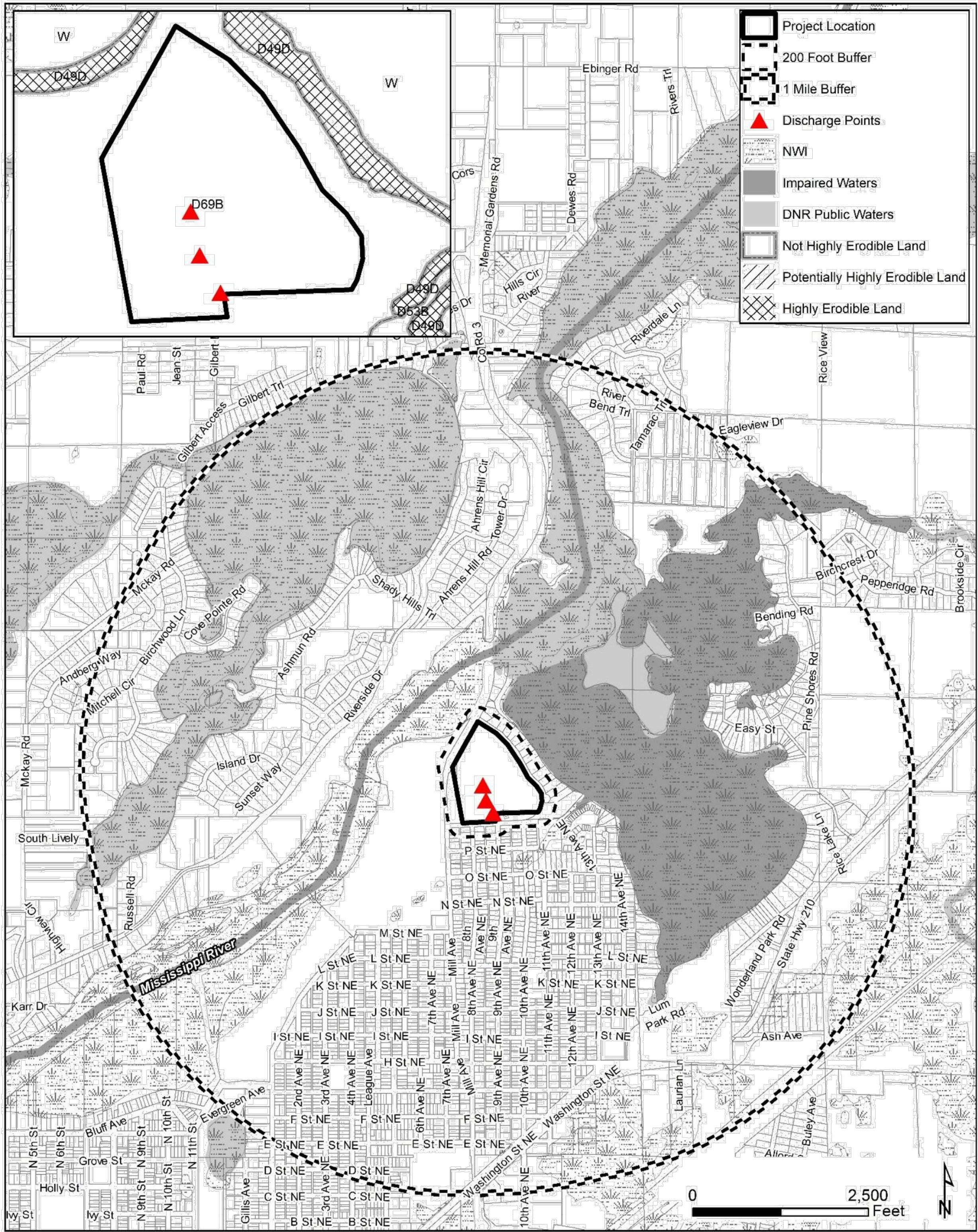


Figure 1. SWPPP Resource Map

REVISIONS	
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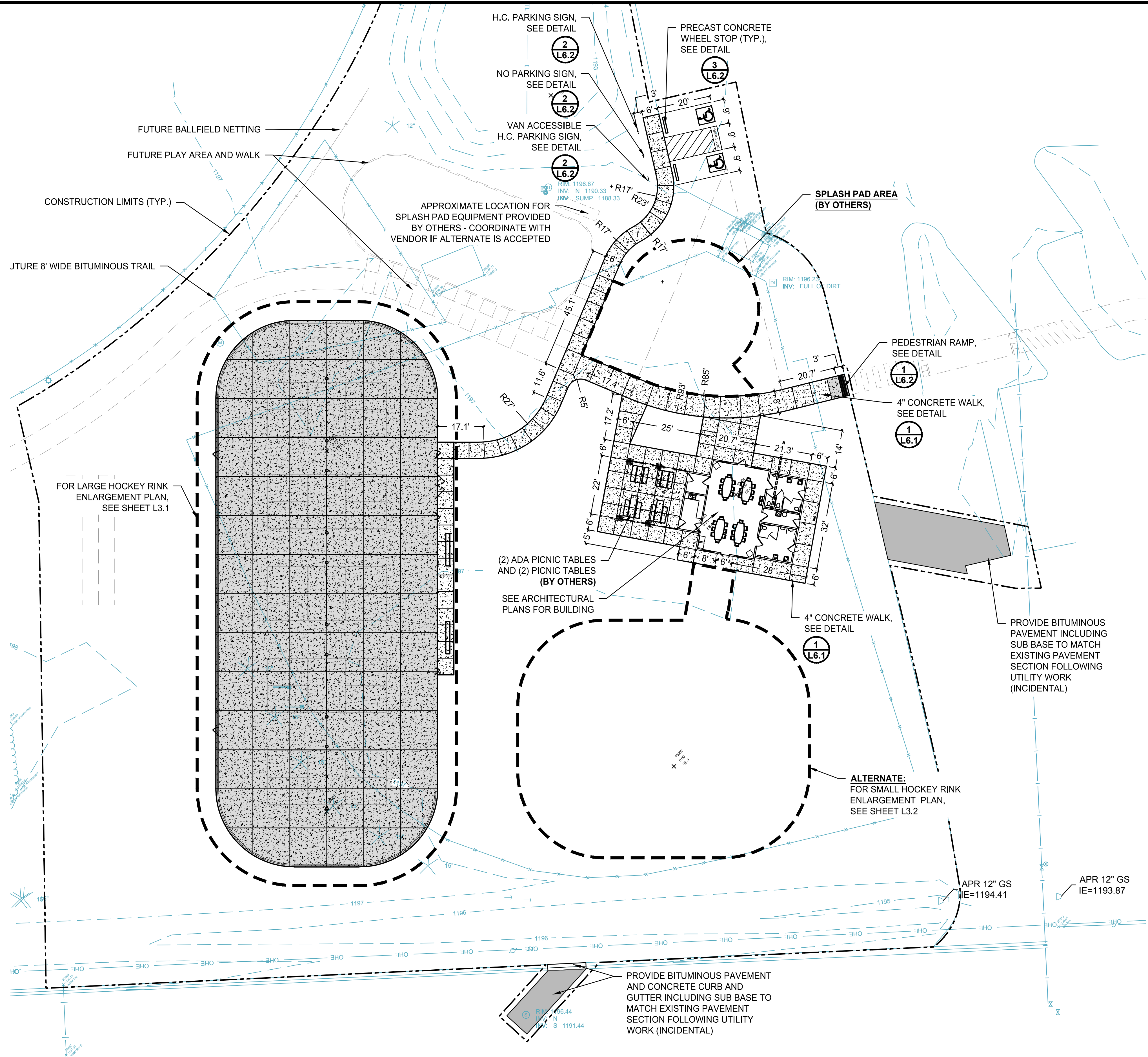
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MEMORIAL PARK REDEVELOPMENT
PROJECT

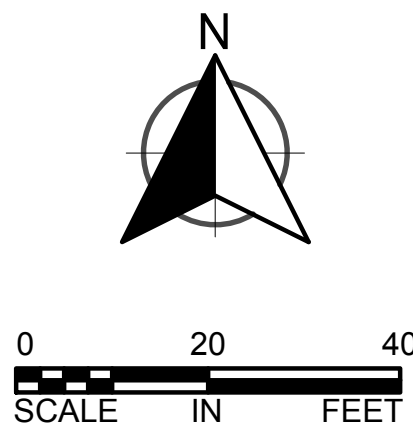
CITY OF BRAINERD

SWPPP

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LEGEND:	
	CONSTRUCTION LIMITS
	CENTERLINE
	4" CONCRETE WALK
	6" REINFORCED CONCRETE WALK
	BITUMINOUS PAVEMENT (SECTION TO MATCH EXISTING)



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AS SHOWN	JLA
PLAN BY:	CHECK BY:
SDF	JLA

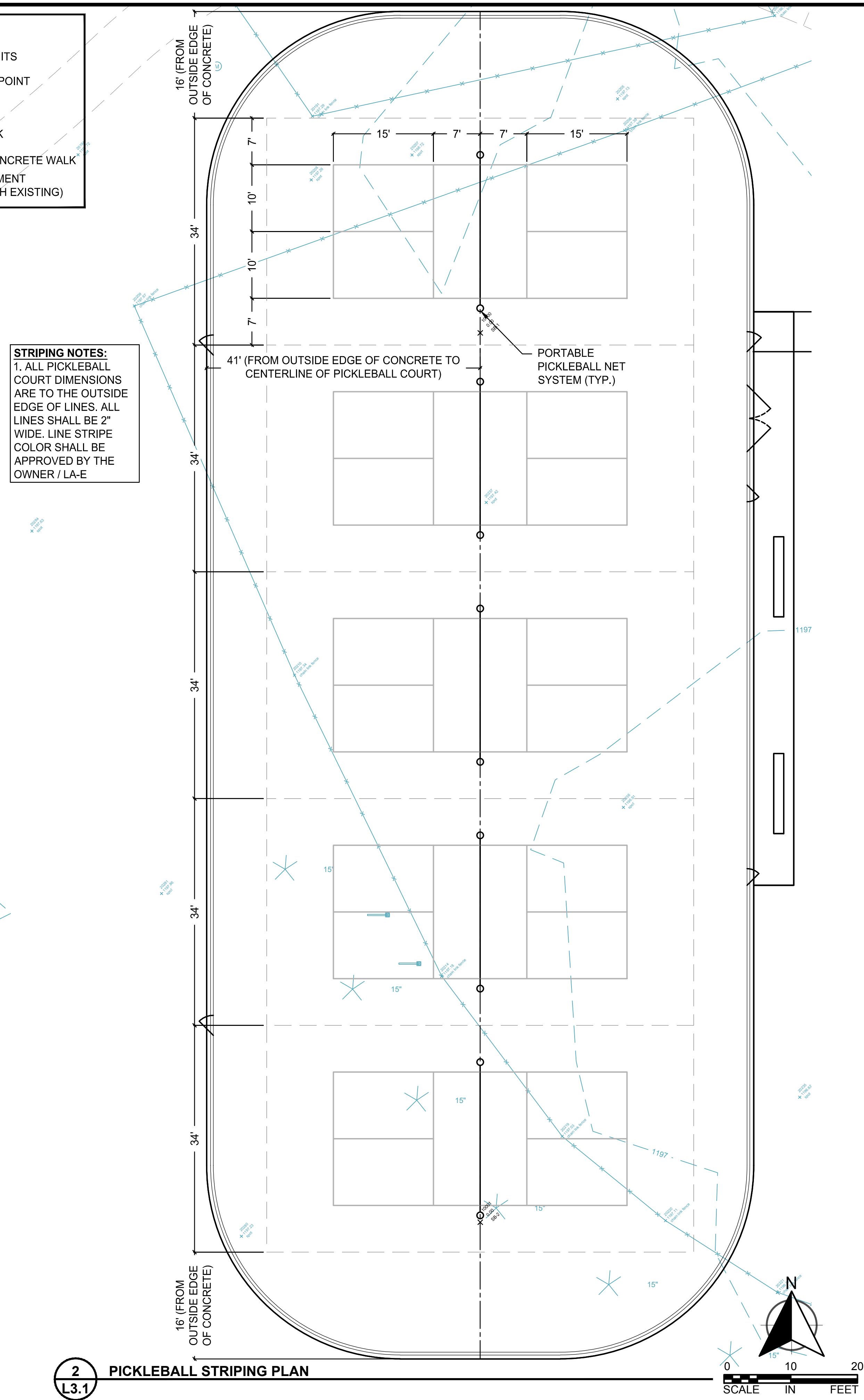
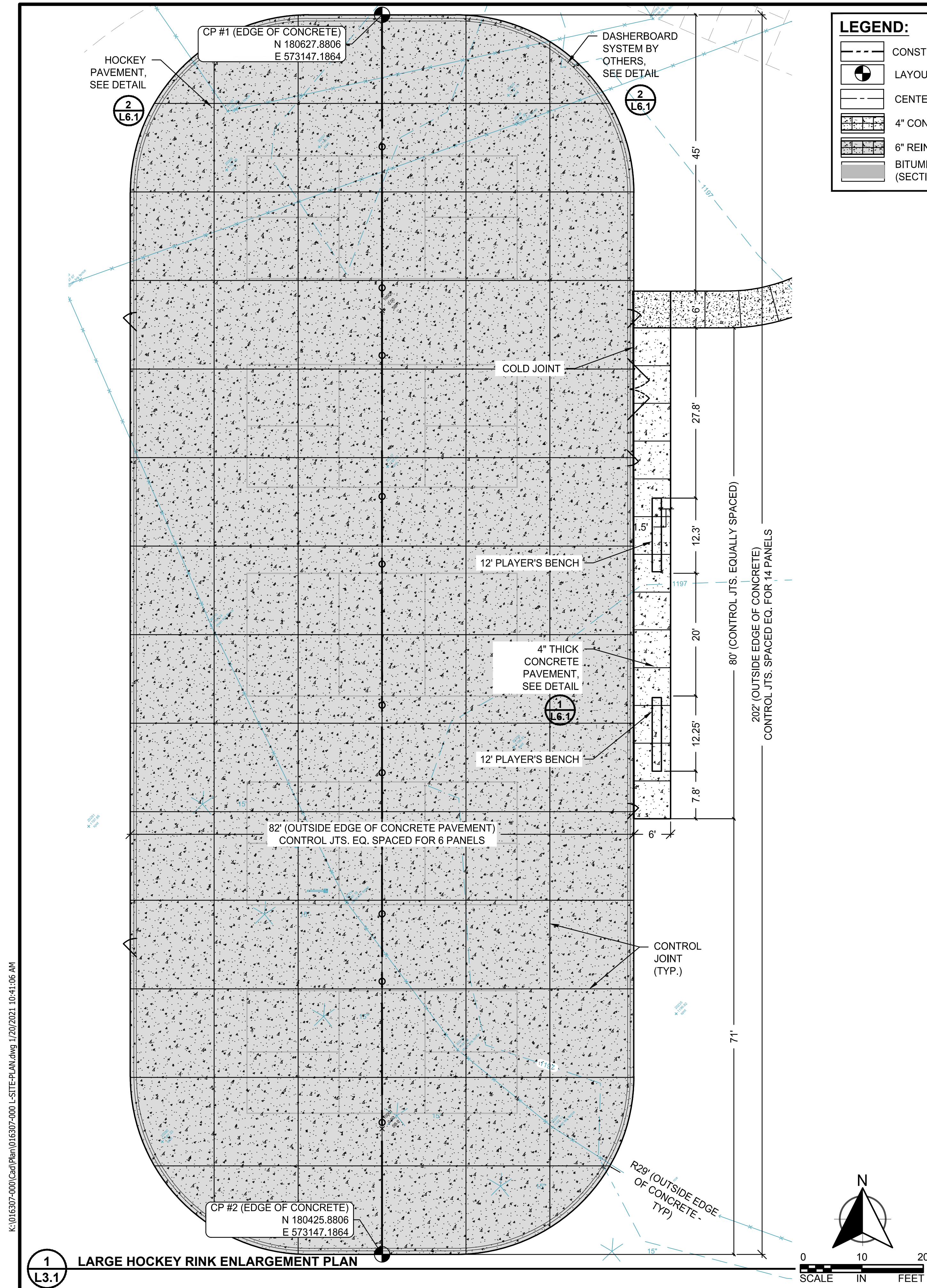
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MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

OVERALL LAYOUT
PLAN

[illegible]

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LAWS OF THE STATE OF MINNESOTA.

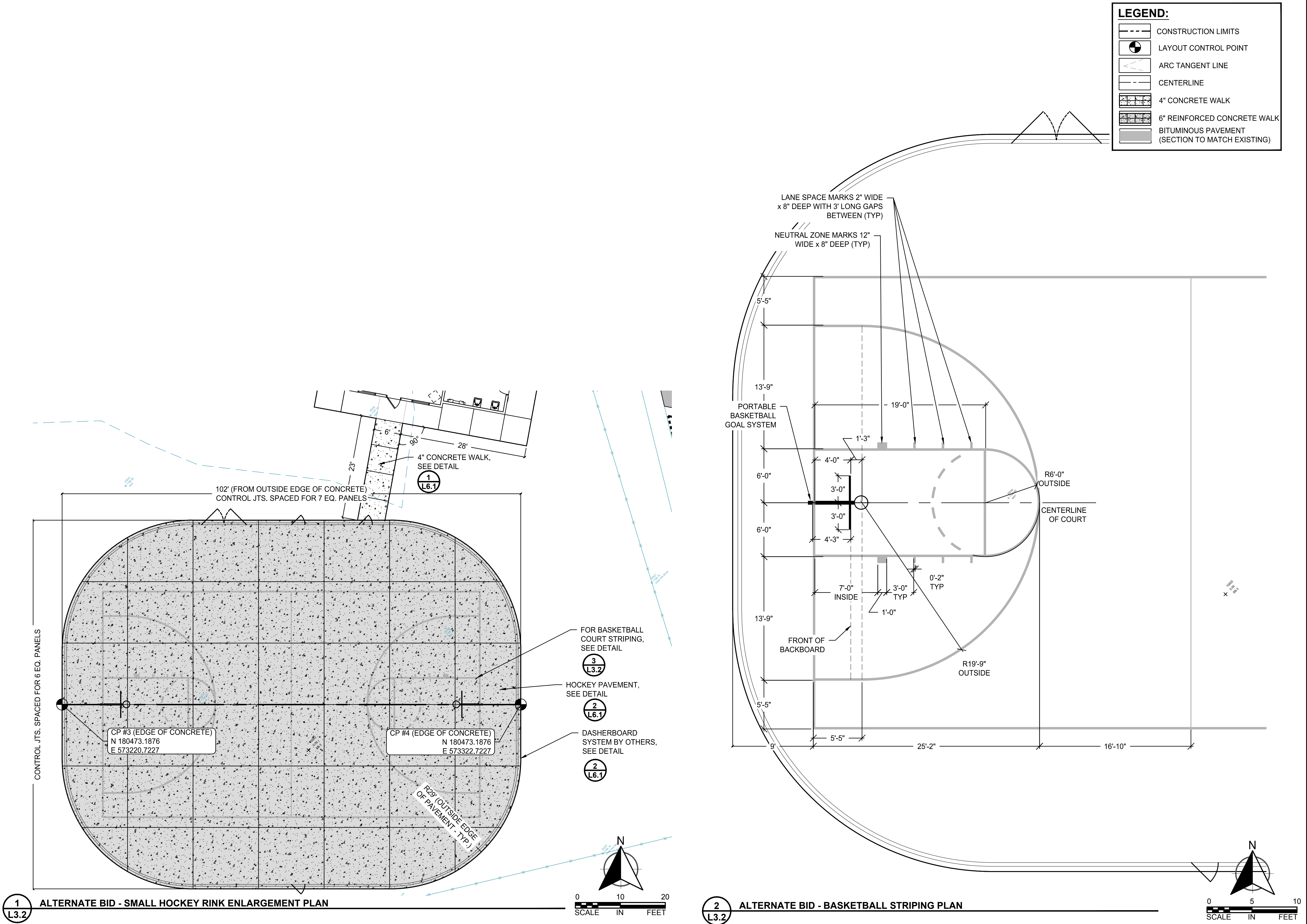
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CITY OF BRAINERD

LARGE HOCKEY RINK ENLARGEMENT PLAN

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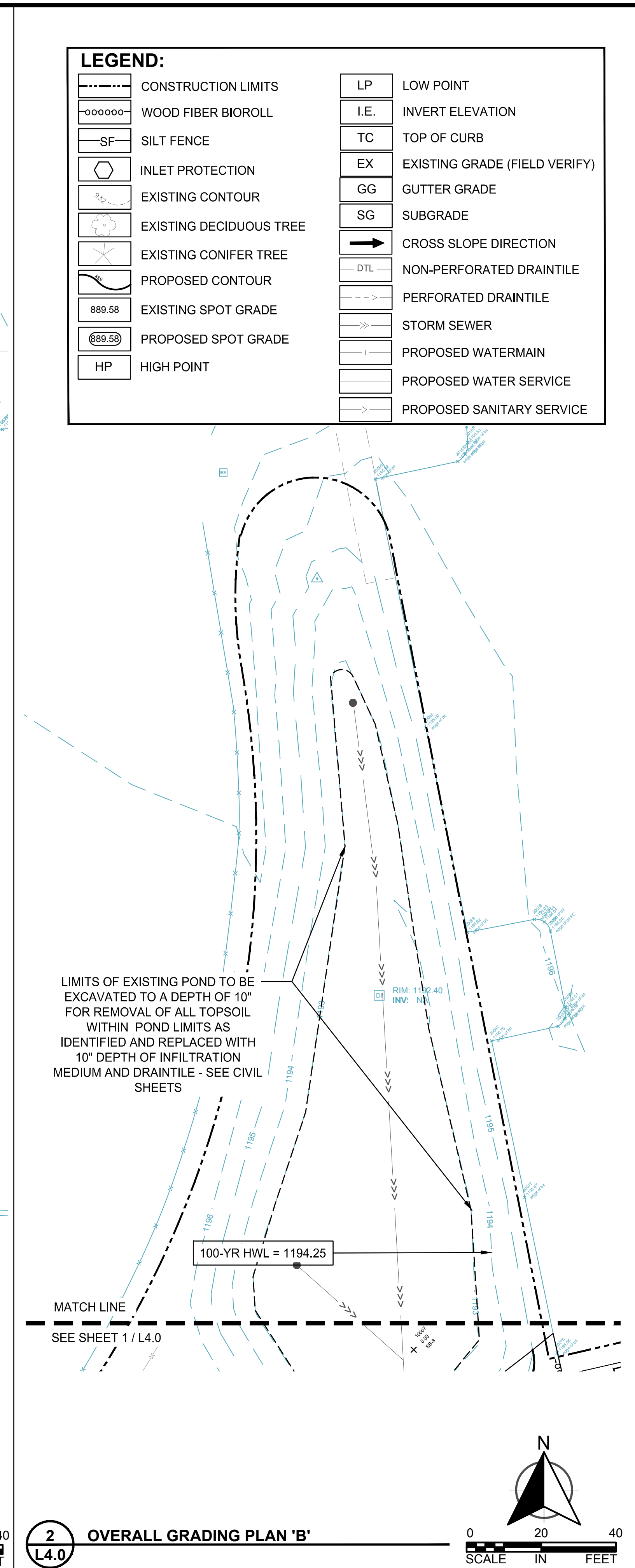
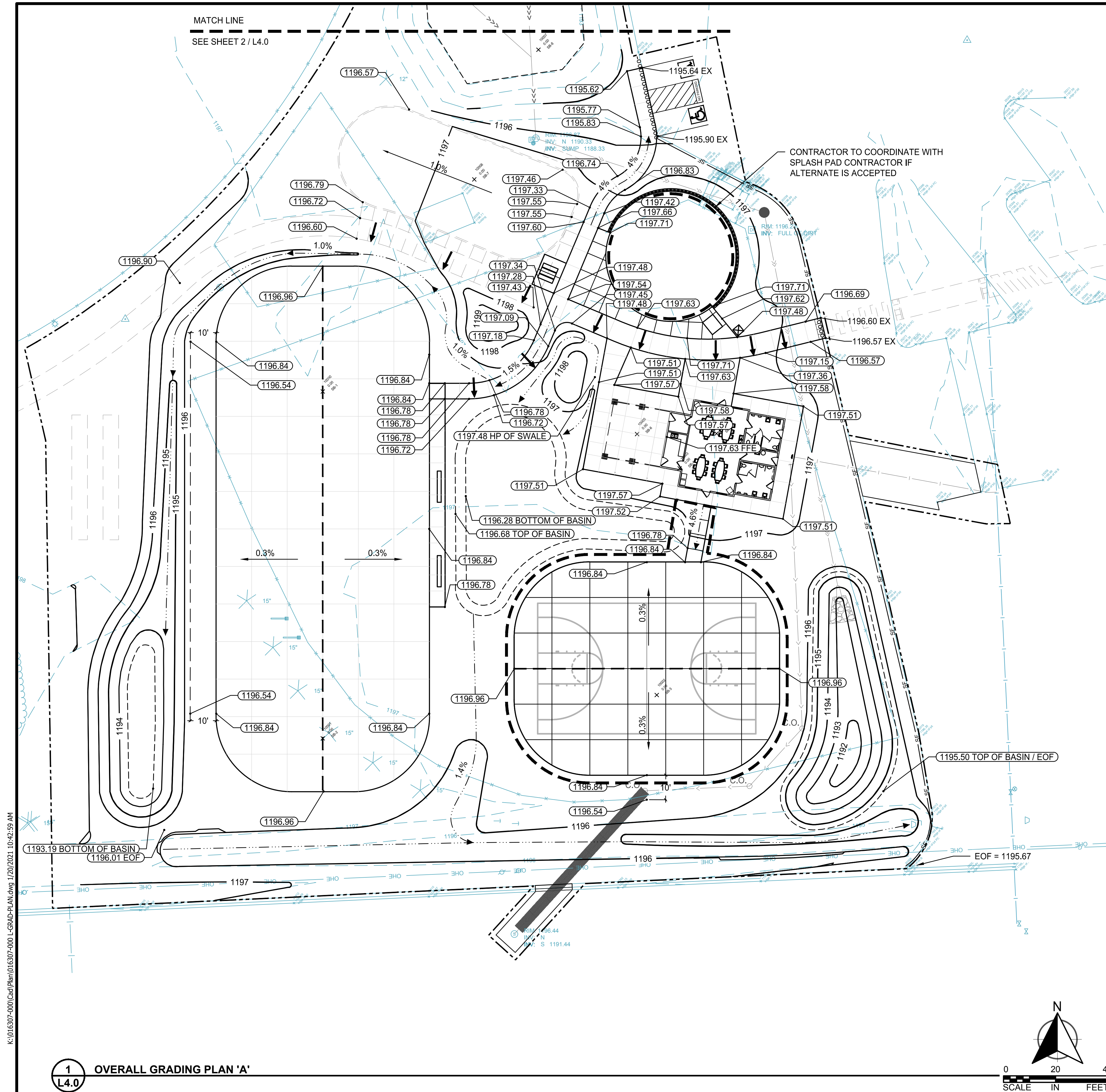
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PROJECT
CITY OF BRAINERD

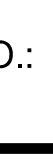
SMALL RINK
ENLARGEMENT
PLAN

SHEET
L3.2



LEGEND:

	CONSTRUCTION LIMITS		LOW POINT
	WOOD FIBER BIOROLL		INVERT ELEVATION
	SILT FENCE		TOP OF CURB
	INLET PROTECTION		EXISTING GRADE (FIELD VERIFY)
	EXISTING CONTOUR		GUTTER GRADE
	EXISTING DECIDUOUS TREE		SUBGRADE
	EXISTING CONIFER TREE		CROSS SLOPE DIRECTION
	PROPOSED CONTOUR		NON-PERFORATED DRAINTILE
	EXISTING SPOT GRADE		PERFORATED DRAINTILE
	PROPOSED SPOT GRADE		STORM SEWER
	HIGH POINT		PROPOSED WATERMAIN
			PROPOSED WATER SERVICE
			PROPOSED SANITARY SERVICE



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SDF

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HN

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RAS

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MEMORIAL PARK REDEVELOPMENT
PROJECT

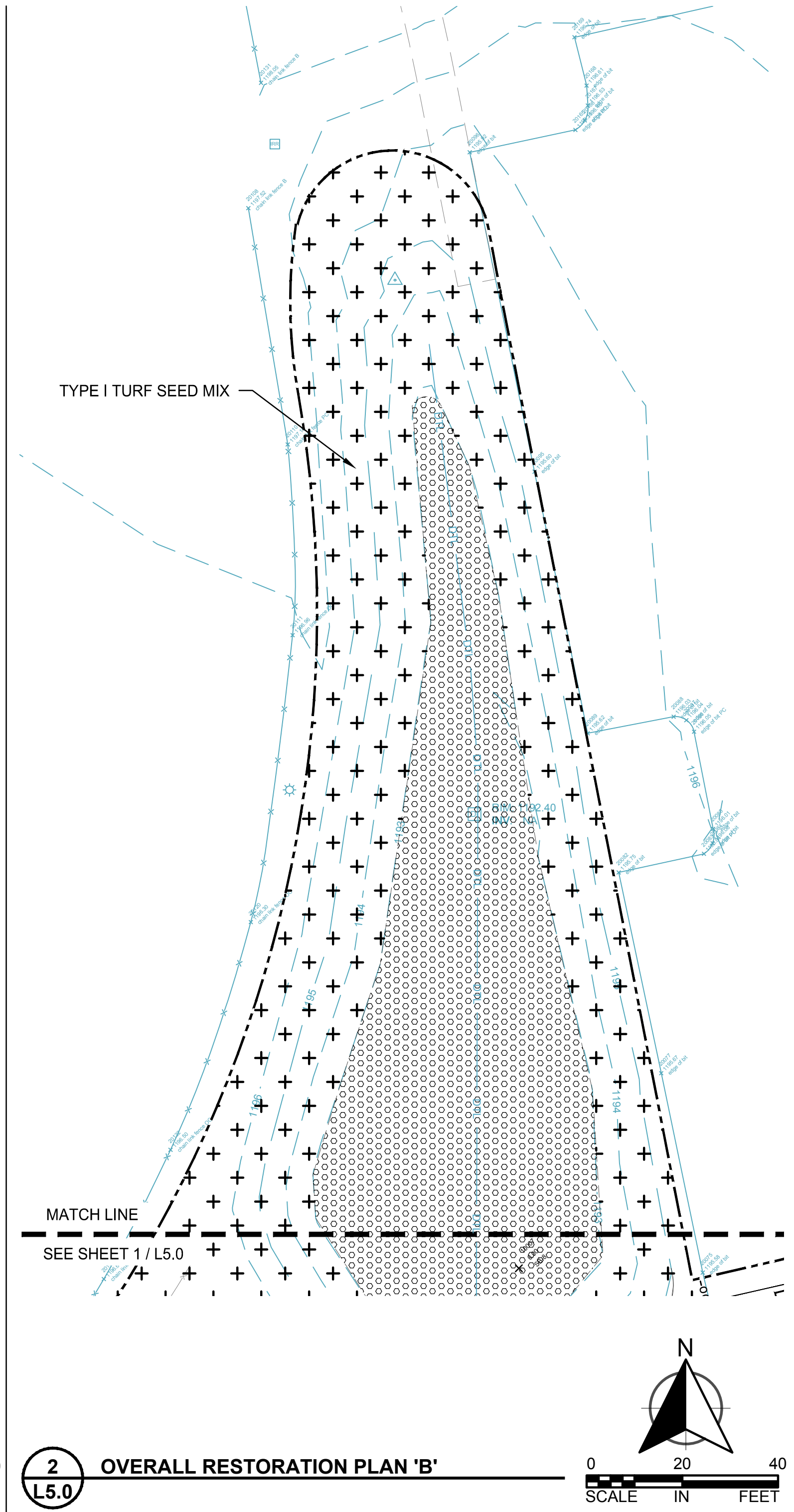
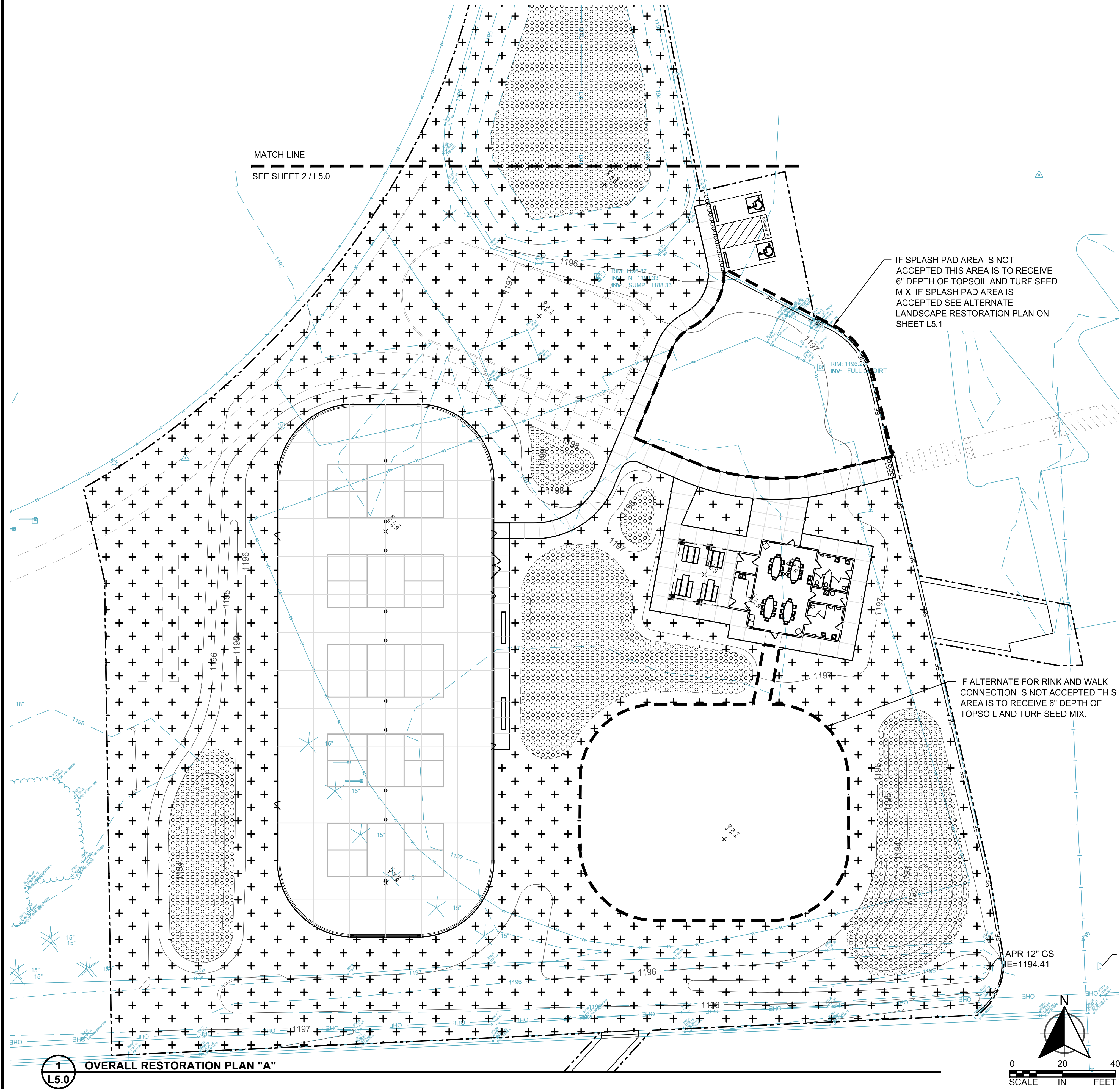
CITY OF BRAINERD

CITY OF BRAINERD

OVERALL GRADING PLAN

C.P.	SHEET
XXXXXXXX	L4.0

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LEGEND:	
	CONSTRUCTION LIMITS
	PROPOSED CONTOUR
	TYPE I TURF SEED MIX
	TYPE II NATIVE SEED MIX
	WOOD FIBER SEDIMENT CONTROL LOG
	SILT FENCE
	INLET PROTECTION

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MEMORIAL PARK REDEVELOPMENT PROJECT	
CITY OF BRAINERD	
OVERALL RESTORATION PLAN	
SHEET L5.0	

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LEGEND:

CONSTRUCTION LIMITS

PROPOSED CONTOUR

TYPE I TURF SEED MIX

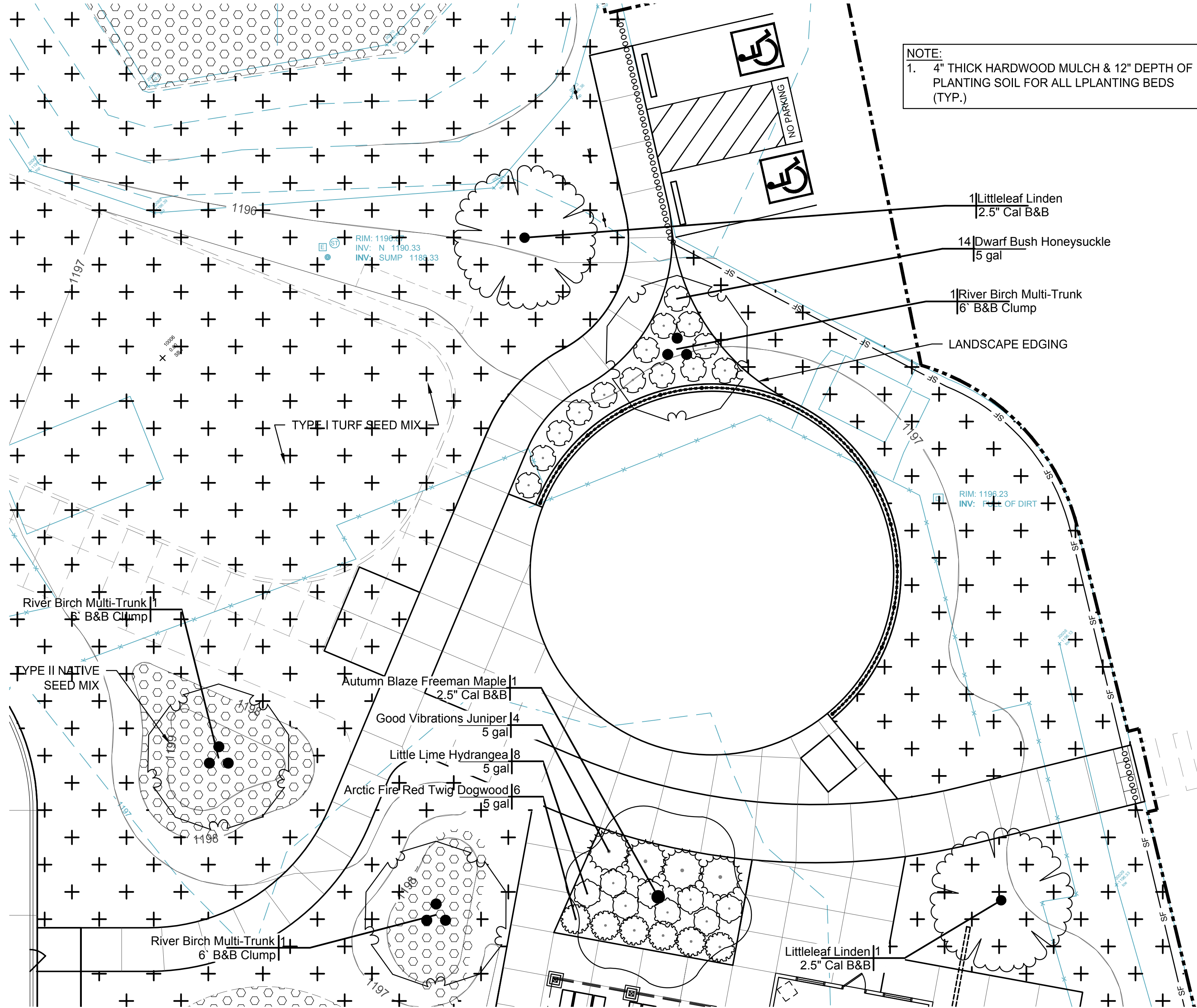
TYPE II NATIVE SEED MIX

WOOD FIBER SEDIMENT CONTROL LOG

SF

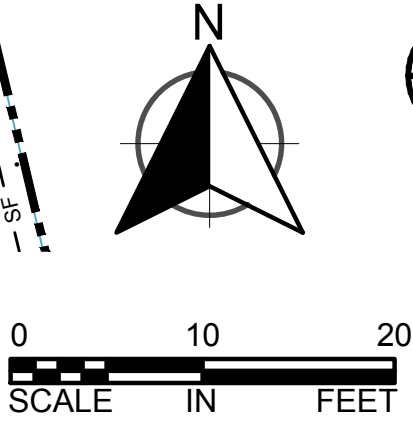
SILT FENCE

INLET PROTECTION

NOTE:
1. 4" THICK HARDWOOD MULCH & 12" DEPTH OF PLANTING SOIL FOR ALL LPLANTING BEDS (TYP.)

PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT
	1	Acer x freemanii 'Jeffsred' TM / Autumn Blaze Freeman Maple	2.5" Cal B&B
	3	Betula nigra / River Birch Multi-Trunk	6' B&B Clump
	2	Tilia cordata 'Erecta' / Littleleaf Linden	2.5" Cal B&B
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE
	6	Cornus sericea 'Farrow' TM / Arctic Fire Red Twig Dogwood	5 gal
	14	Diervilla lonicera / Dwarf Bush Honeysuckle	5 gal
	8	Hydrangea paniculata 'Little Lime' / Little Lime Hydrangea	5 gal
	4	Juniperus horizontalis 'Hegedus' TM / Good Vibrations Juniper	5 gal



1
L5.1
ALTERNATE BID - RESTORATION ENLARGEMENT PLAN

2
L5.1
ALTERNATE BID PLANTING SCHEDULE



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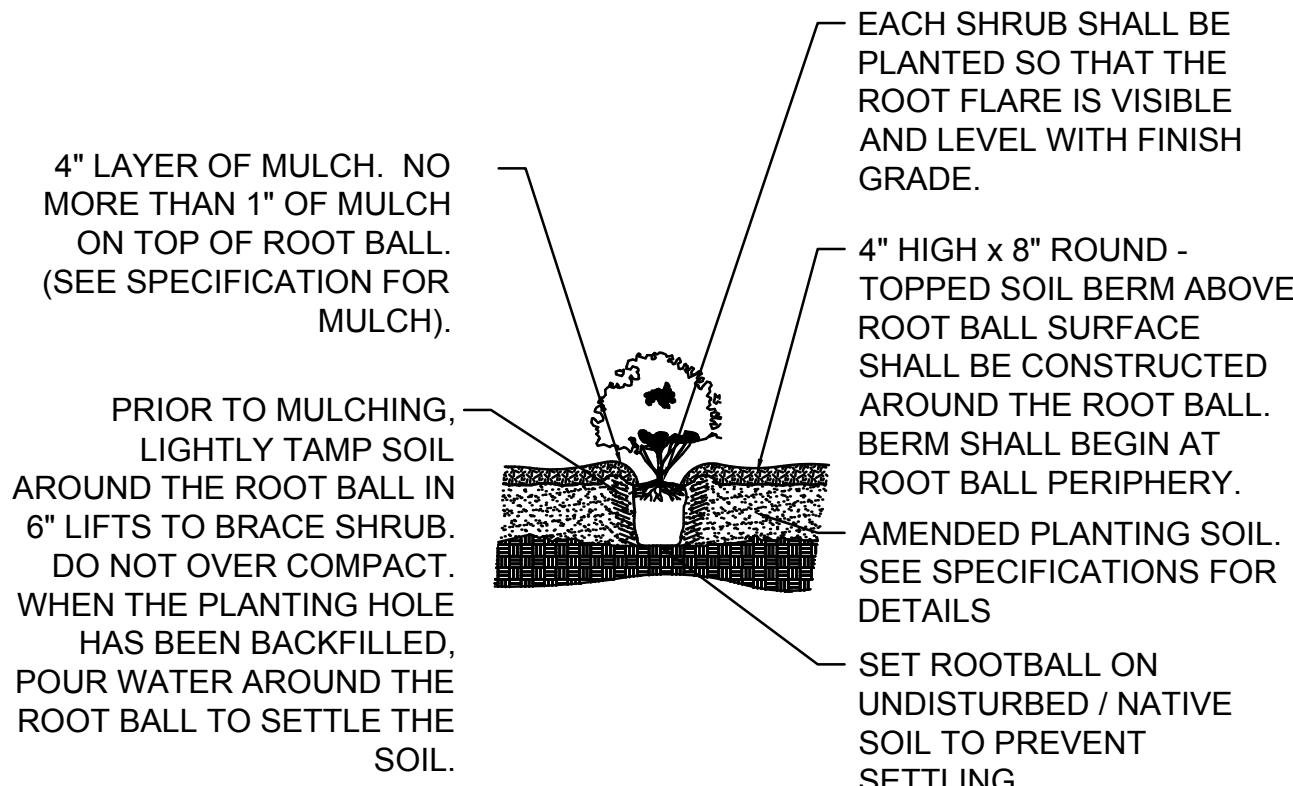
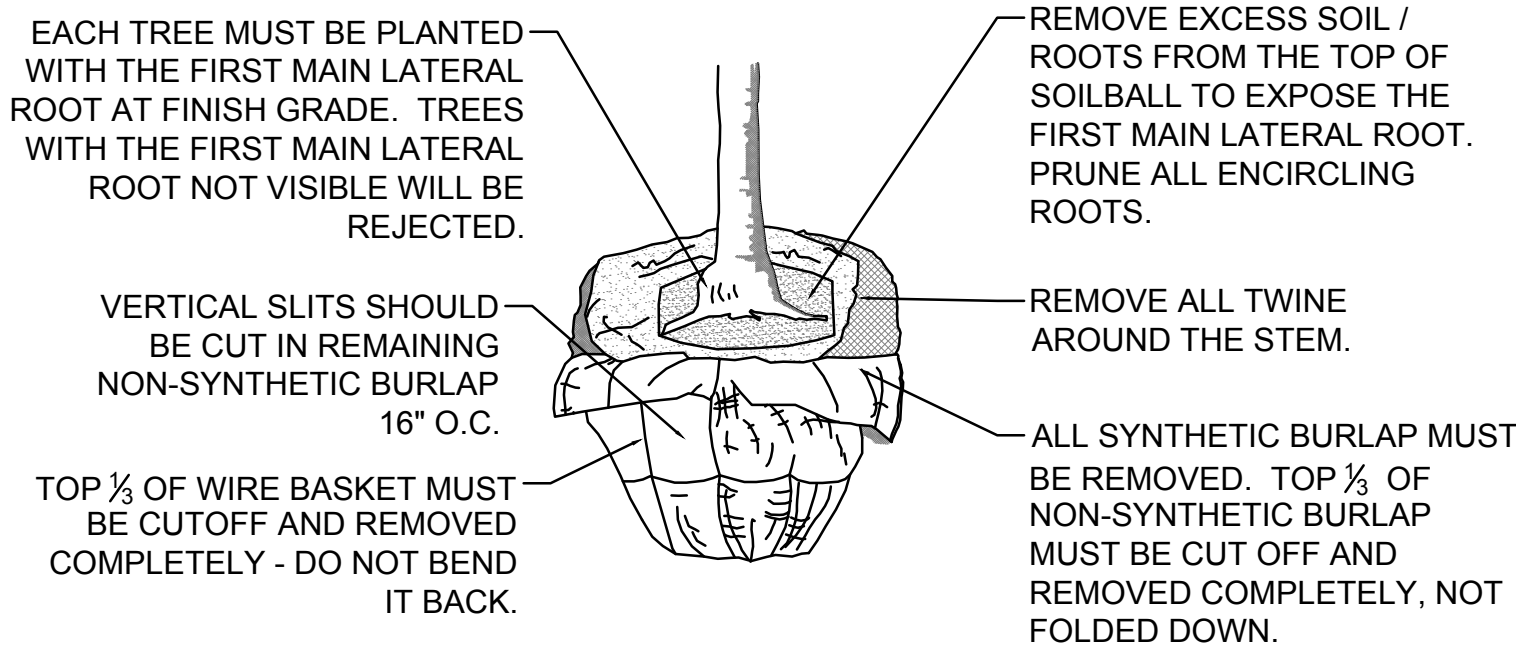
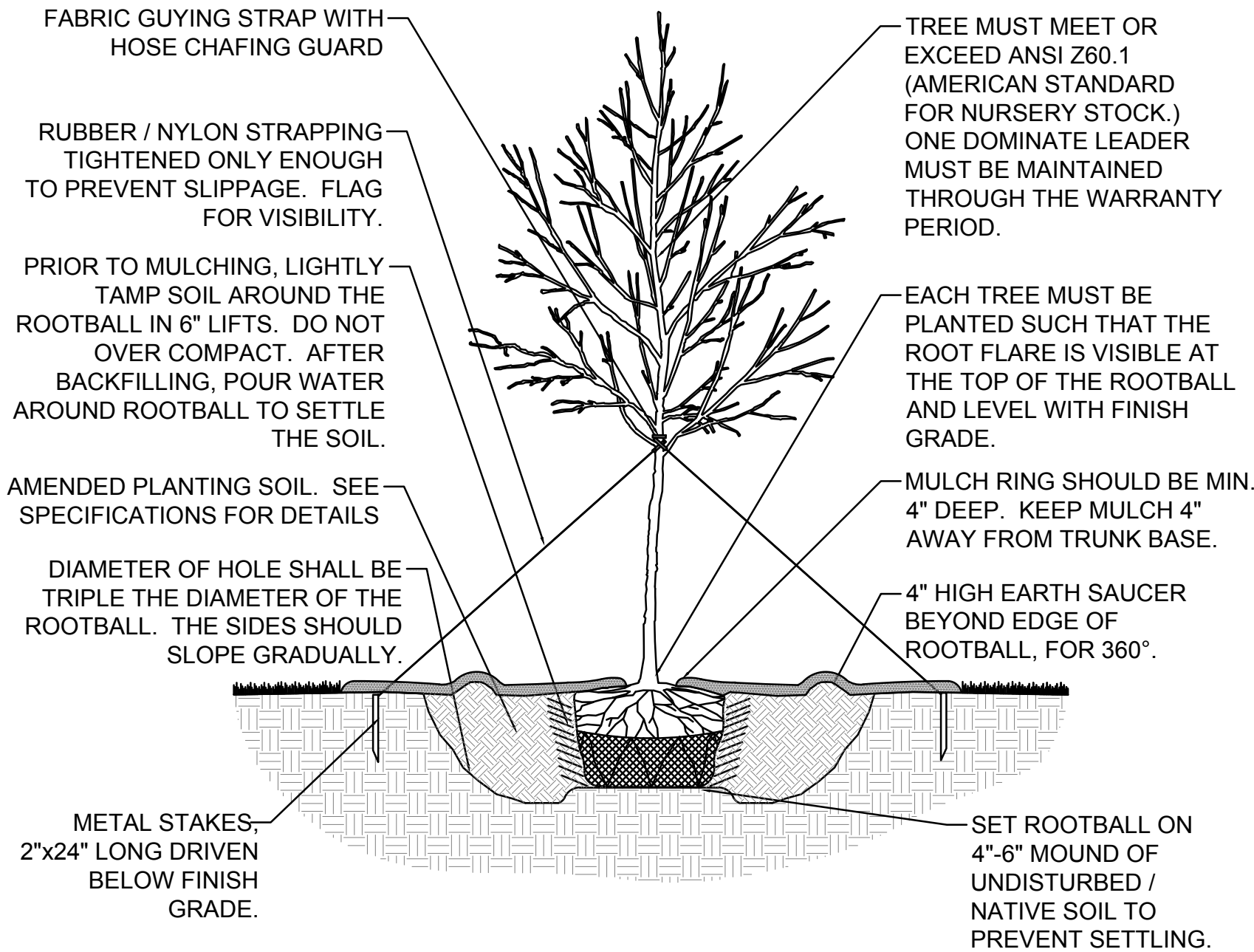
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MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

RESTORATION
ENLARGEMENT
PLAN

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BALLED AND BURLAPPED STOCK:
ROOTS OF ALL BALLED AND BURLAPPED STOCK SHALL FILL THE SOIL BALL. BE FREE OF KINKS, CIRCLING AND GIRDLING, AND THE UPPERMOST ROOTS SHALL NOT BE MORE THAN FOUR INCHES BELOW THE TOP OF THE SOIL BALL. TRANSPORT ROOTS SHALL BE SYMMETRICAL AROUND THE TRUNK / STEM OF THE PLANTS. SOIL BALLS MUST BE CENTERED OR NO MORE THAN 10% OFF CENTER.

WHEN MOVING PLANTS, LIFT FROM BENEATH THE ROOT BALL, DO NOT LIFT BY THE TRUNK AND DO NOT BREAK OR LOOSEN THE ROOTBALL.

BACKFILL PLANTING PIT WITH ORIGINAL SOIL HALFWAY TO THE TOP OF THE ROOTBALL. BREAK UP CLODS OF SOIL. IF SOILS ARE POOR (I.E. HEAVY CLAYS, SAND, OR COMPACTED), BACKFILL CAN BE A MIXTURE OF 1/3 SOIL AMENDMENT MIXED WITH 2/3 ORIGINAL SOIL. DO NO USE PEAT AS PART OF BACKFILL IN CLAY SOILS. REMOVE ALL ROCKS AND DEBRIS FROM BACKFILL AND THEN WATER PLANT AND BACKFILLED AREA TO SETTLE PLANTS AND FILL VOIDS.

REMOVE ALL WIRE BASKETS FROM THE TOP 1/2 OF THE ROOTBALL AND CONTINUE BACKFILLING REMAINING PLANTING PIT WITH ORIGINAL SOIL.

WATER THOROUGHLY A SECOND TIME TO SETTLE PLANTS AND FILL VOIDS WITHIN TWO HOURS OF PLANTING. PLACE SPECIFIED MULCH WITHIN 48 HOURS OF THE SECOND WATERING. PROVIDE SUPPORT IF NECESSARY.

STAKING OF TREES SHALL BE THE CONTRACTORS OPTION. THE CONTRACT IS RESPONSIBLE FOR INSURING THAT ALL PLANTINGS ARE INSTALLED PLUMB AND REMAIN PLUMB THROUGHOUT THE WARRANTY PERIOD OR 1 YEAR AFTER SUBSTANTIAL COMPLETION, WHICHEVER IS GREATER.

IF STAKING IS INSTALLED ALL COMPONENTS SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF THE WARRANTY PERIOD.

REVISIONS	
NO	DESCRIPTION

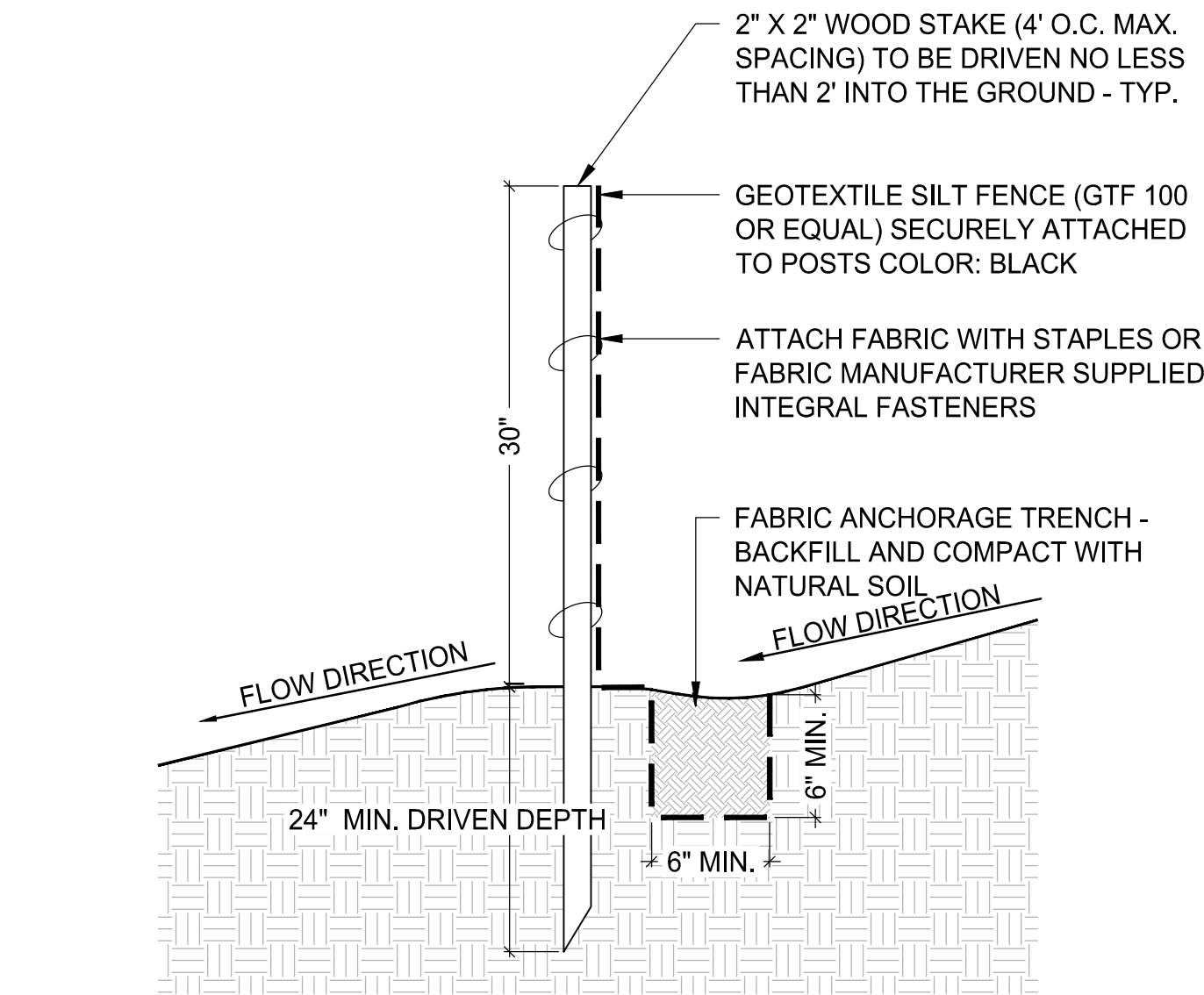
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MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

RESTORATION
PLANTING DETAILS

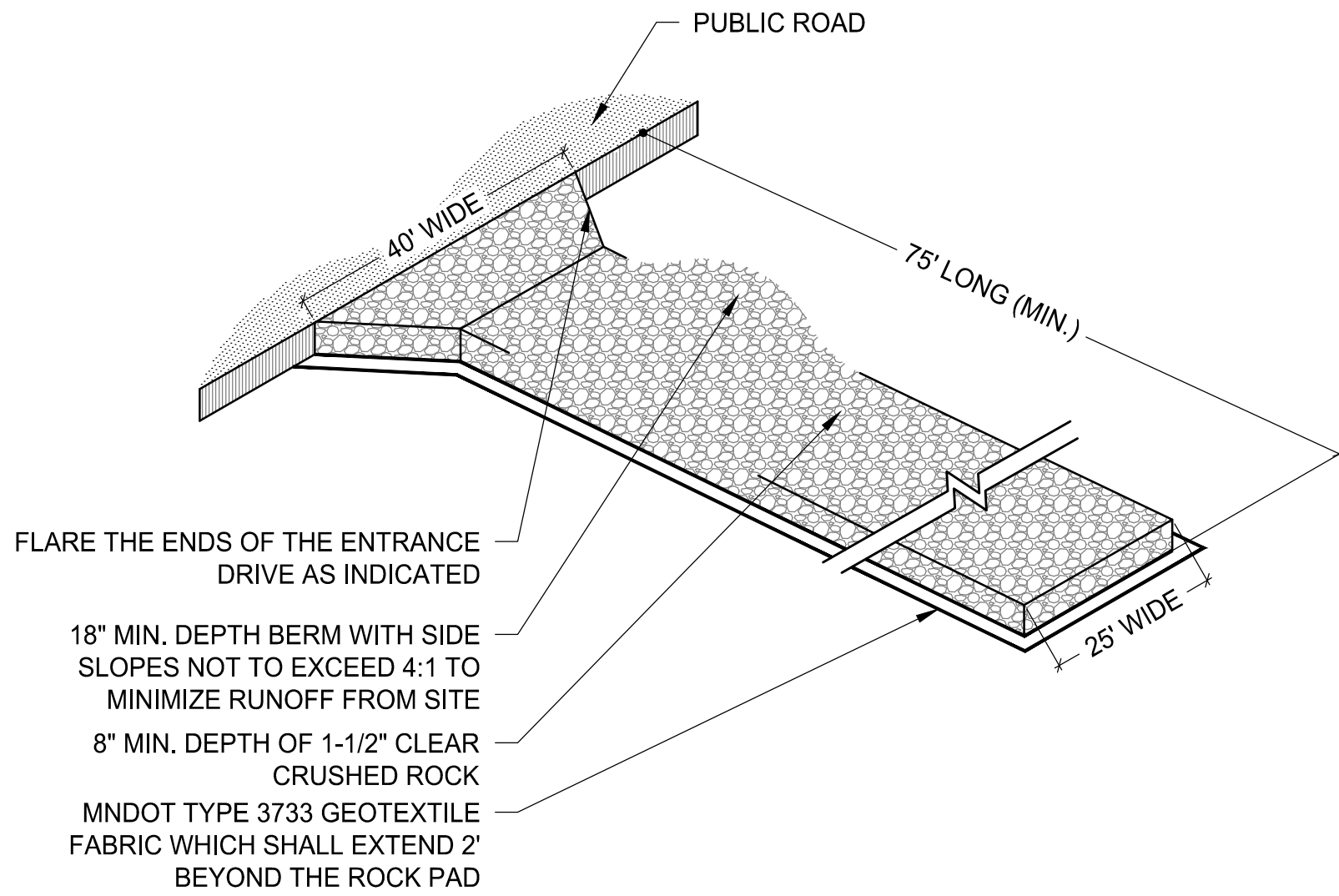
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NOTE

1. SILT FENCE SHALL BE PLACED PARALLEL TO THE CONTOUR OF THE TERRAIN, WITH THE ENDS WRAPPED UPHILL TO PREVENT FLOW AROUND THEM.
2. NO EARTHWORK SHALL BE PERFORMED DOWNGRADE FROM THE FENCE.
3. ACCUMULATED SILT AROUND THE FENCE SHALL BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE THIRD THE HEIGHT OF THE SILT FENCE OR AS DIRECTED IN THE FIELD BY THE OWNER/LA-E WITHIN 24 HOURS OF NOTIFICATION.

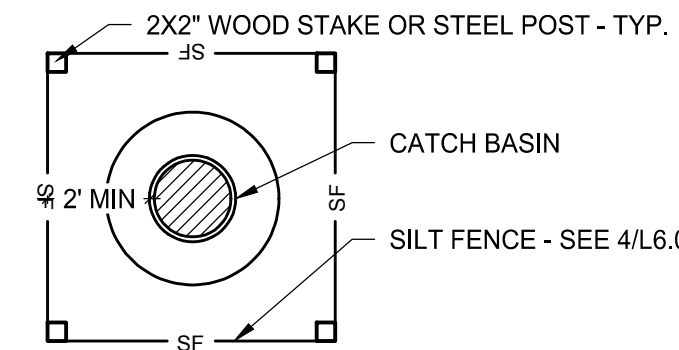
1
6.0 SILT FENCE
NTS



NOTE

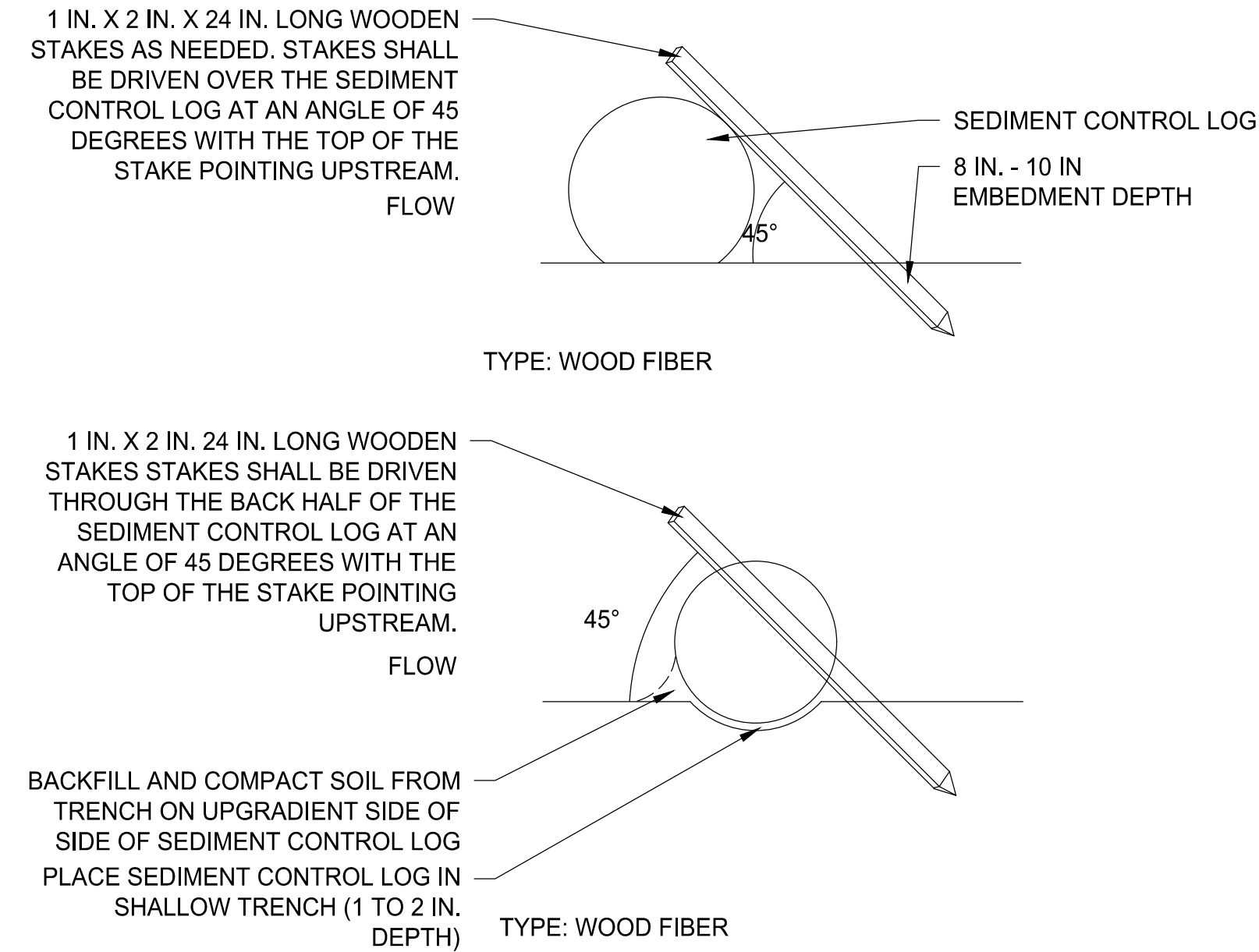
1. CONTRACTOR IS RESPONSIBLE FOR ONGOING MAINTENANCE OF THE BERM AND ROCK PAD DURING CONSTRUCTION AND SHALL REMOVE AND RESTORE THE ROCK PAD UPON PROJECT COMPLETION

2
6.0 ROCK CONSTRUCTION ENTRANCE/EXIT
NTS



TYPE II - TRENCHED / SLOPE APPLICATION:

4
6.0 INLET PROTECTION
NTS



3
6.0 WOOD FIBER SEDIMENT CONTROL LOG
NTS

REVISIONS	
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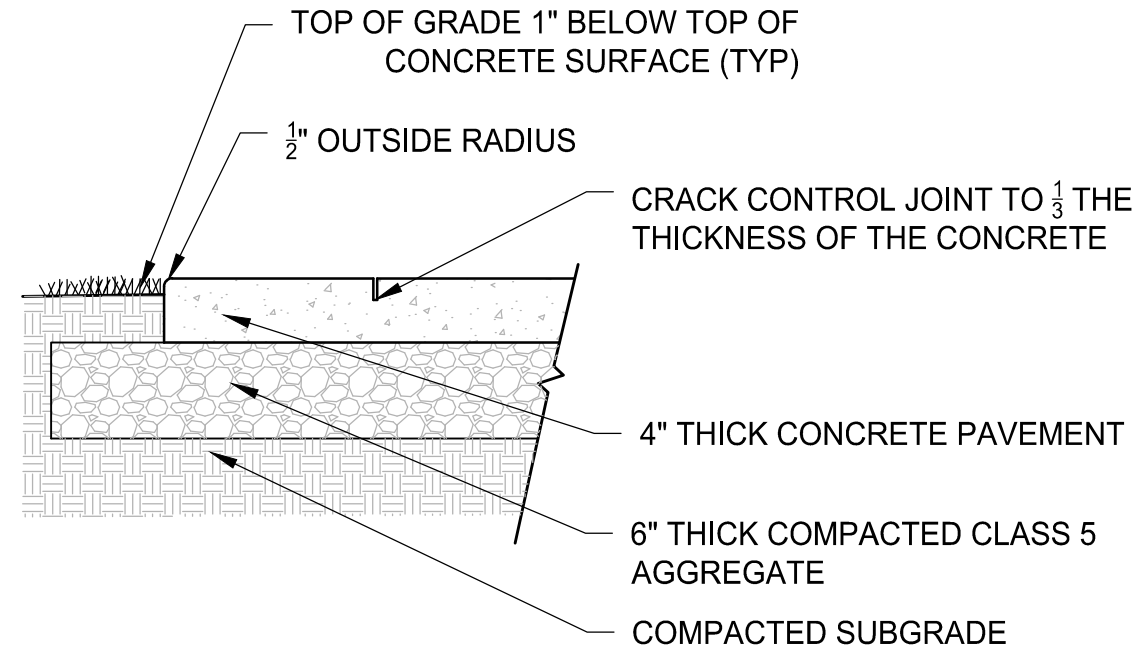
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MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

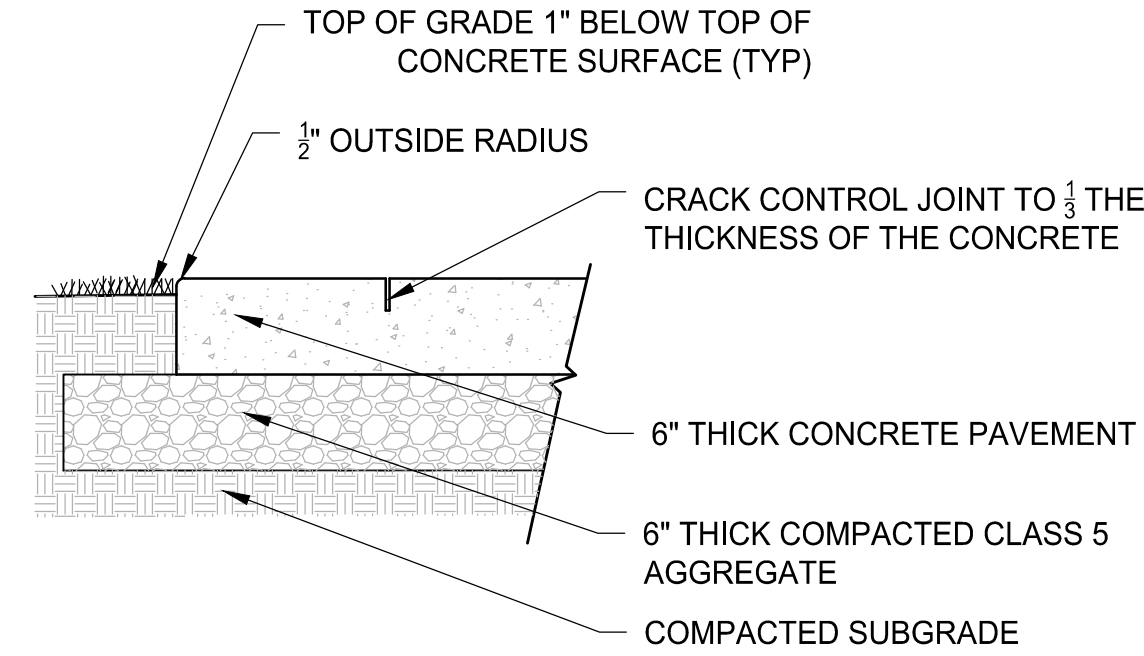
MISCELLANEOUS
DETAILS

4" CONCRETE WALK WITH AGGREGATE BASE SECTION:
4" THICK CONCRETE (4000 PSI) OVER 6" THICK
COMPACTED DEPTH OF MnDOT 3138 CLASS 5 CRUSHED
AGGREGATE BASE COMPACTED TO 100% STANDARD
PROCTOR DENSITY



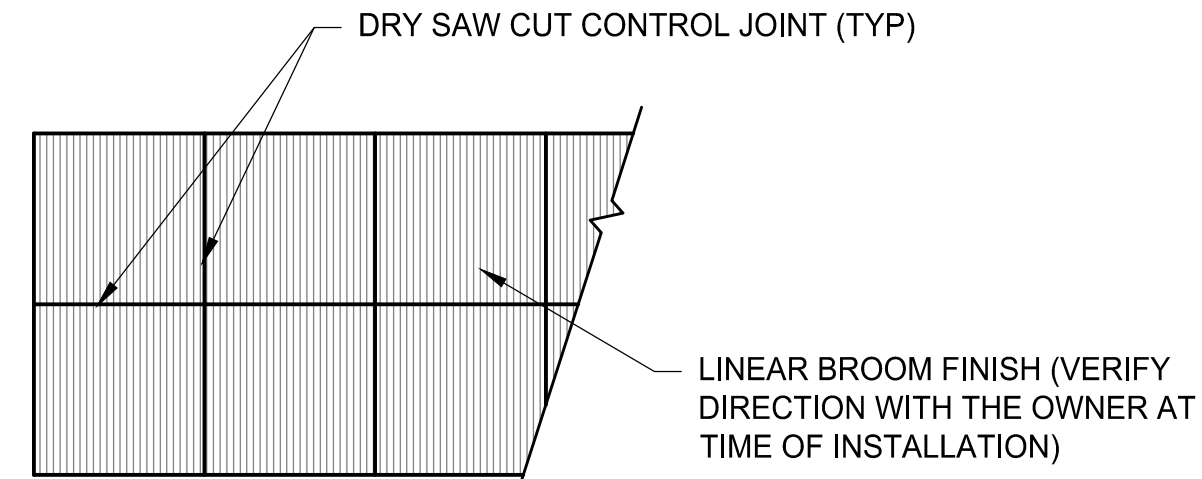
SECTION VIEW

6" CONCRETE WALK WITH AGGREGATE BASE SECTION:
6" THICK CONCRETE (4000 PSI) OVER 6" THICK
COMPACTED DEPTH OF MnDOT 3138 CLASS 5 CRUSHED
AGGREGATE BASE COMPACTED TO100% STANDARD
PROCTOR DENSITY



SECTION VIEW

SAWCUT FINISH:
LIGHT BROOM FINISH WITH DRY SAW CUT
JOINTS CUT TO DEPTH EQUAL TO 1/3
THICKNESS OF PAVEMENT (TYP) - REFER TO
PLANS AND DETAILS FOR LOCATIONS

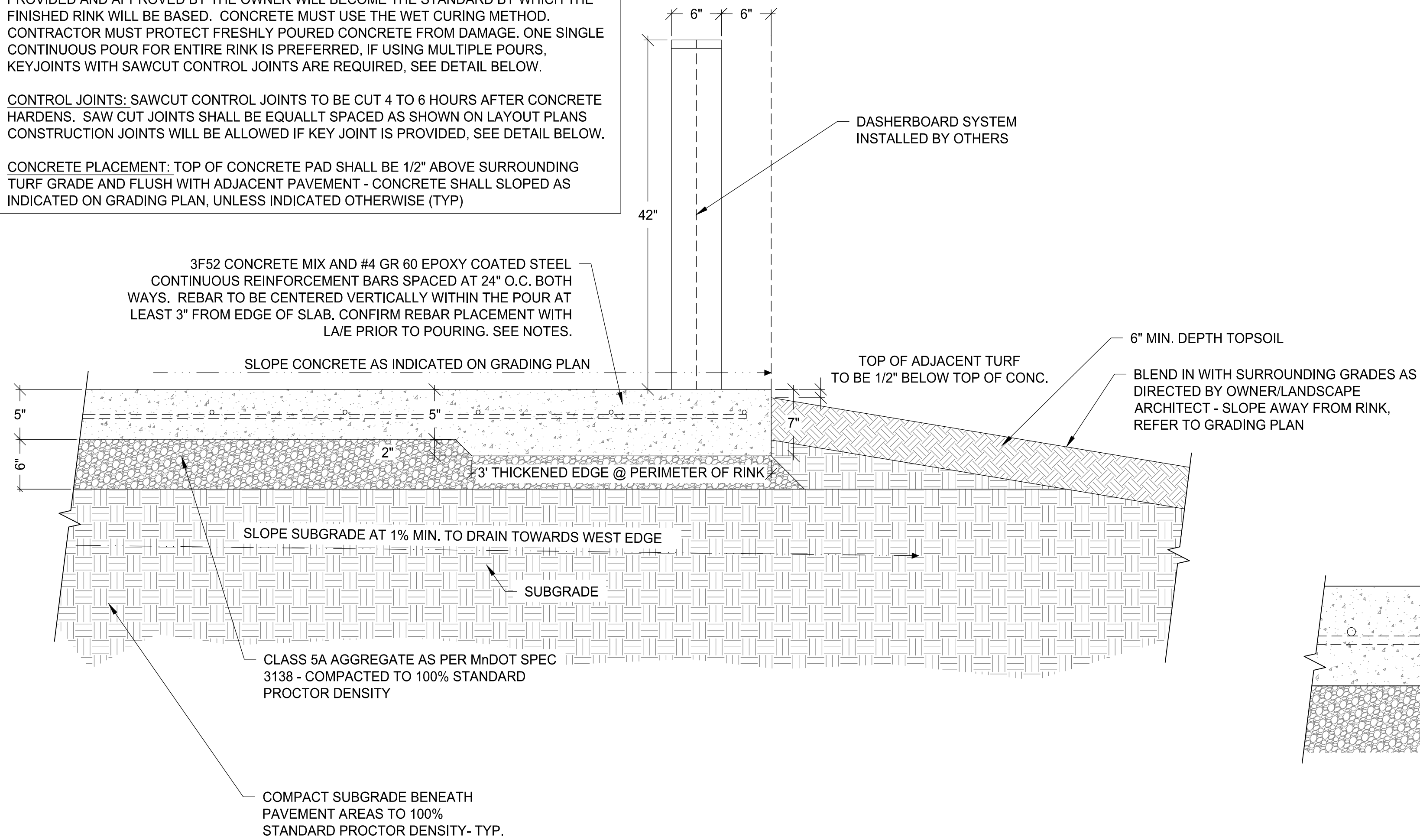


CONCRETE FINISH - PLAN VIEW

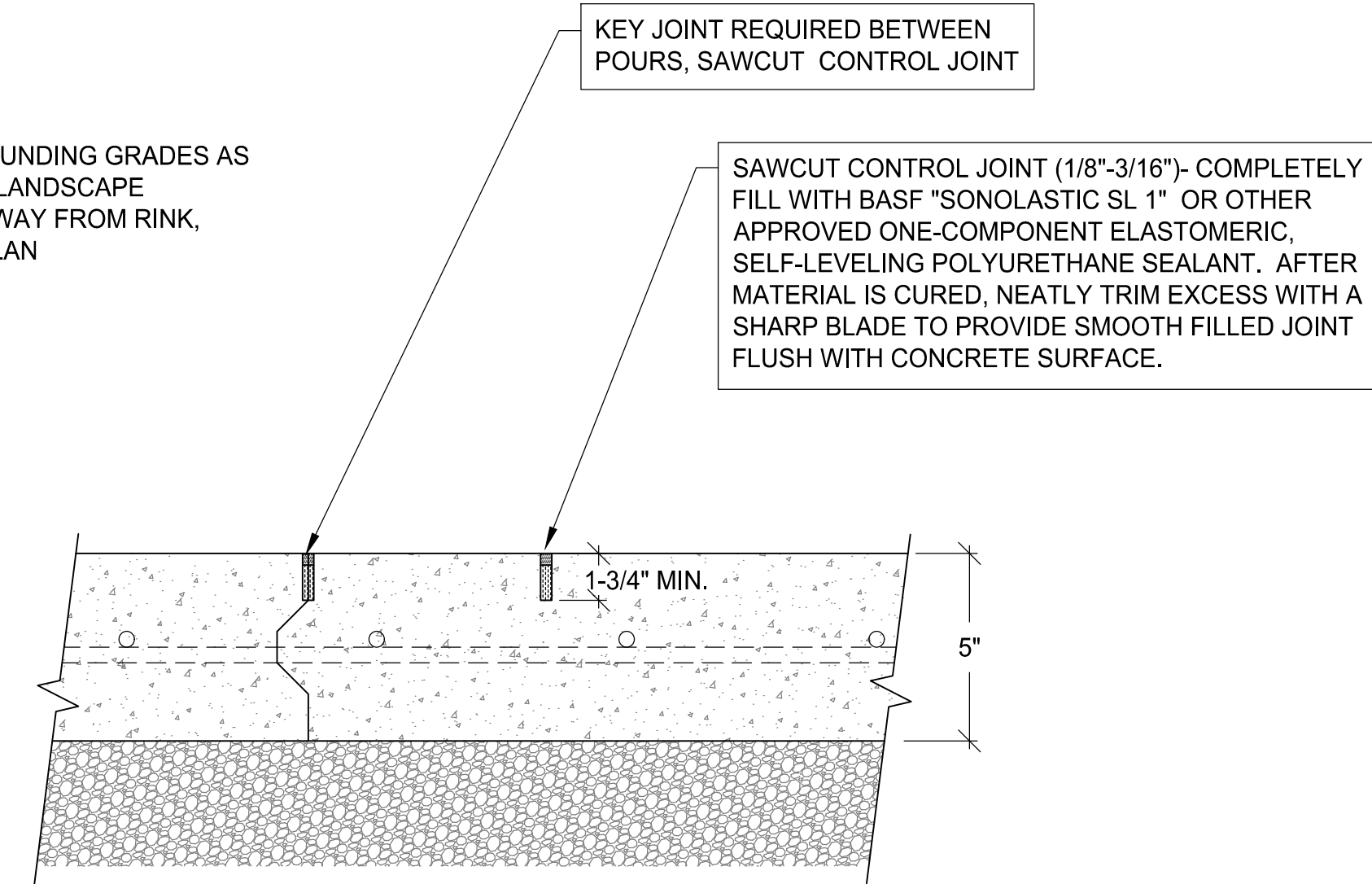
1
L6.1 CONCRETE PAVEMENT

HOCKEY RINK NOTES:

- DASHERBOARD SYSTEM TO BE INSTALLED BY OTHERS.
- CONCRETE FINISH/POUR: LIGHT BROOM FINISH FOR ALL CONCRETE PAVEMENT IN HOCKEY RINK - TYP. CONTRACTOR SHALL PROVIDE A SAMPLE OF FINISH TO LAVE/OWNER FOR APPROVAL PRIOR TO PLACING CONCRETE. THE SAMPLE (OR PREVIOUS PROJECT) PROVIDED AND APPROVED BY THE OWNER WILL BECOME THE STANDARD BY WHICH THE FINISHED RINK WILL BE BASED. CONCRETE MUST USE THE WET CURING METHOD. CONTRACTOR MUST PROTECT FRESHLY POURED CONCRETE FROM DAMAGE. ONE SINGLE CONTINUOUS POUR FOR ENTIRE RINK IS PREFERRED, IF USING MULTIPLE POURS, KEYJOINTS WITH SAWCUT CONTROL JOINTS ARE REQUIRED, SEE DETAIL BELOW.
- CONTROL JOINTS: SAWCUT CONTROL JOINTS TO BE CUT 4 TO 6 HOURS AFTER CONCRETE HARDENS. SAW CUT JOINTS SHALL BE EQUALLT SPACED AS SHOWN ON LAYOUT PLANS CONSTRUCTION JOINTS WILL BE ALLOWED IF KEY JOINT IS PROVIDED, SEE DETAIL BELOW.
- CONCRETE PLACEMENT: TOP OF CONCRETE PAD SHALL BE 1/2" ABOVE SURROUNDING TURF GRADE AND FLUSH WITH ADJACENT PAVEMENT - CONCRETE SHALL SLOPED AS INDICATED ON GRADING PLAN, UNLESS INDICATED OTHERWISE (TYP)



HOCKEY RINK SECTION



SAWCUT CONTROL JOINT AND KEY JOINT

2
L6.1 HOCKEY PAVEMENT DETAIL

REVISIONS

NO	DATE	DESCRIPTION

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DIRECT SUPERVISION AND THAT I AM A DULY
LICENSED LANDSCAPE ARCHITECT UNDER THE
LAWS OF THE STATE OF MINNESOTA.

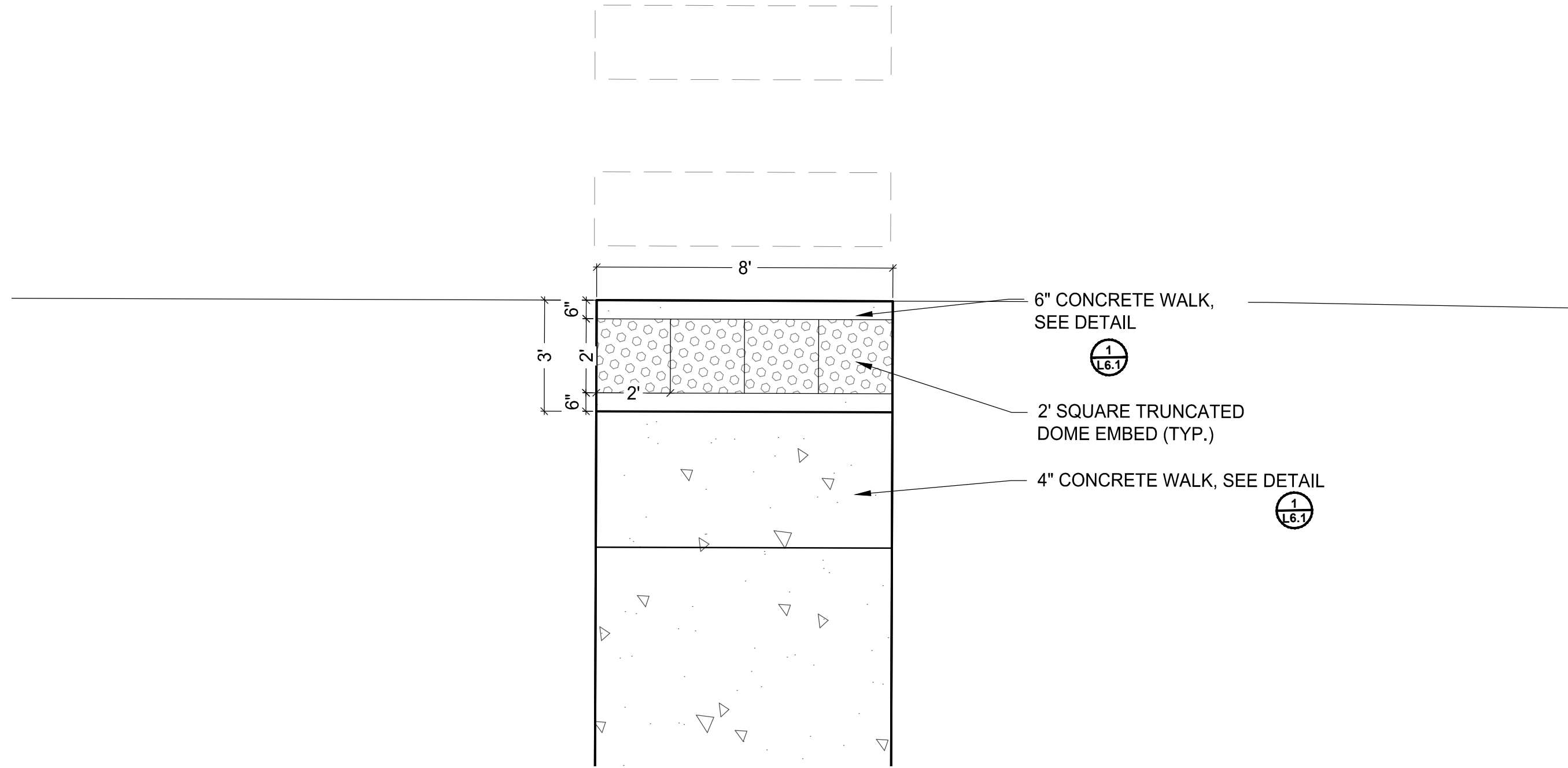
STEVEN D. FOSS
DATE: 11/20/2020 LIC. NO: 56852

MEMORIAL PARK REDEVELOPMENT
PROJECT

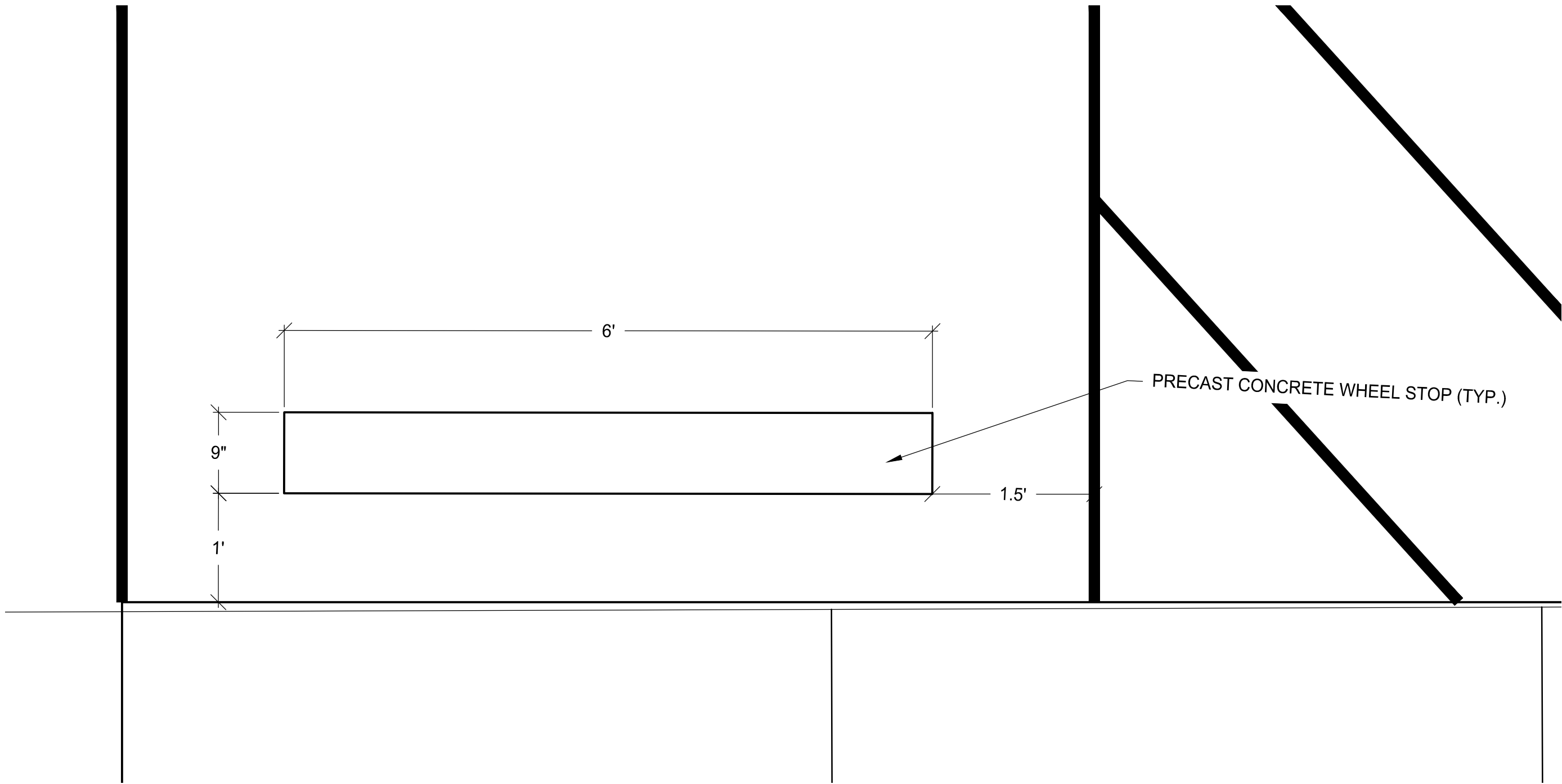
CITY OF BRAINERD

PAVEMENT
DETAILS

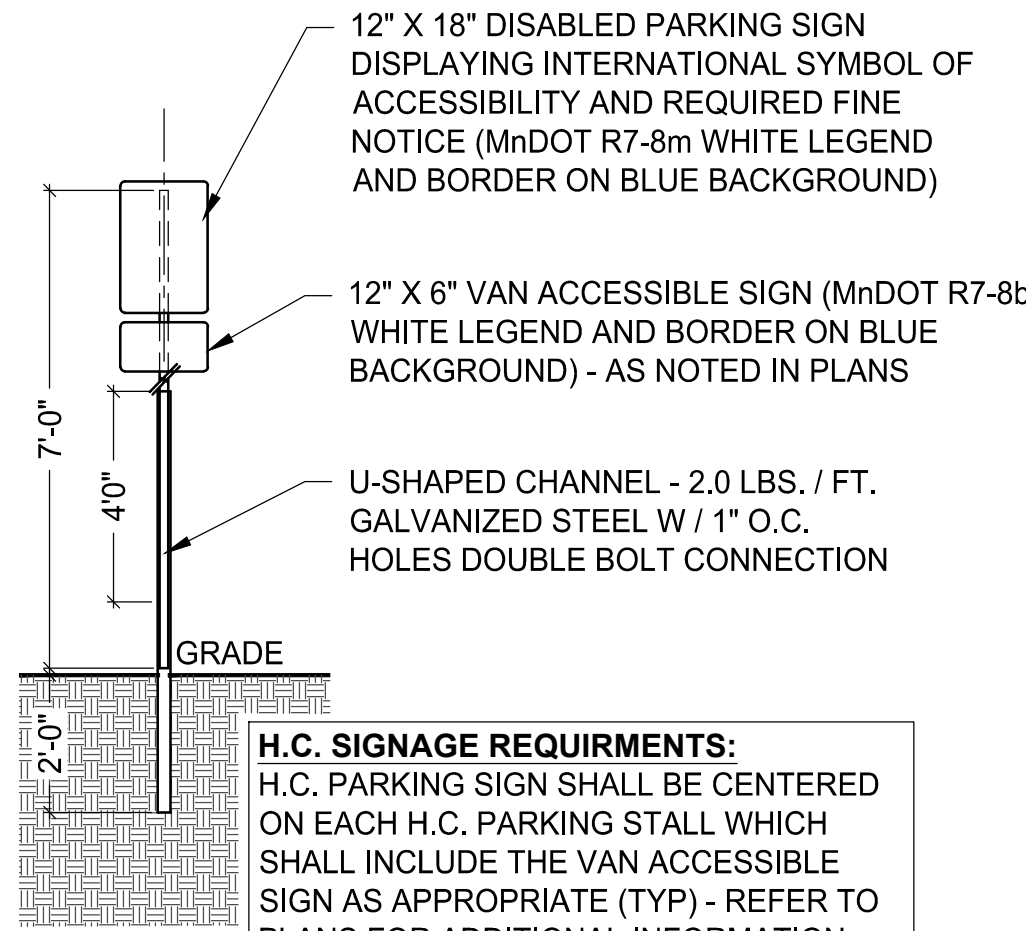
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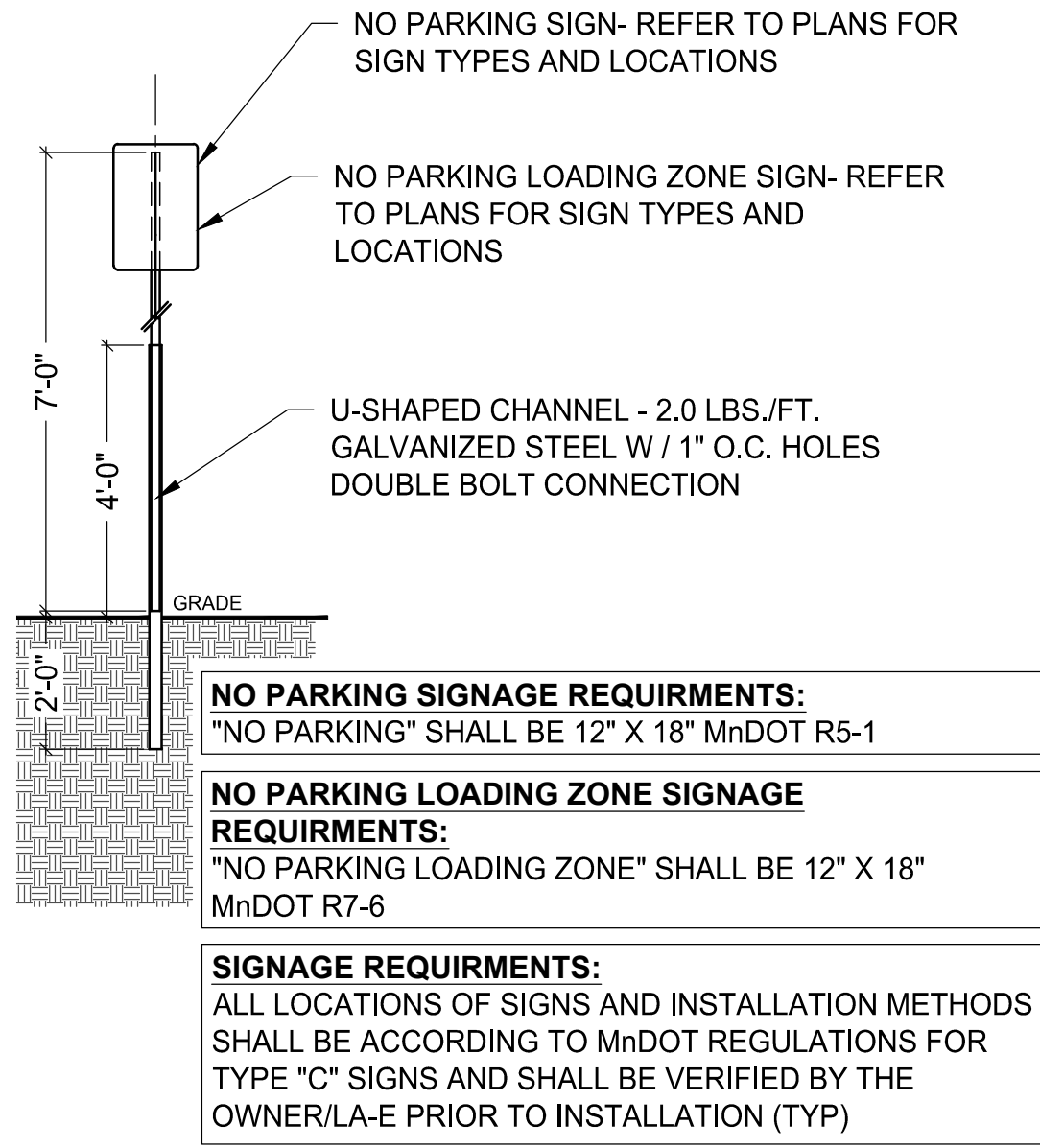
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6.2 PEDESTRIAN RAMP DETAIL



3
6.2 PRECAST CONCRETE WHEEL STOP DETAIL



H.C. PARKING SIGNAGE - SECTION VIEW



NO PARKING - SECTION VIEW

2
6.2 PARKING SIGN



WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: JLA
PLAN BY: SDF
CHECK BY: RAS

REVISIONS

NO.	DATE	DESCRIPTION

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STEVEN D. FOSS

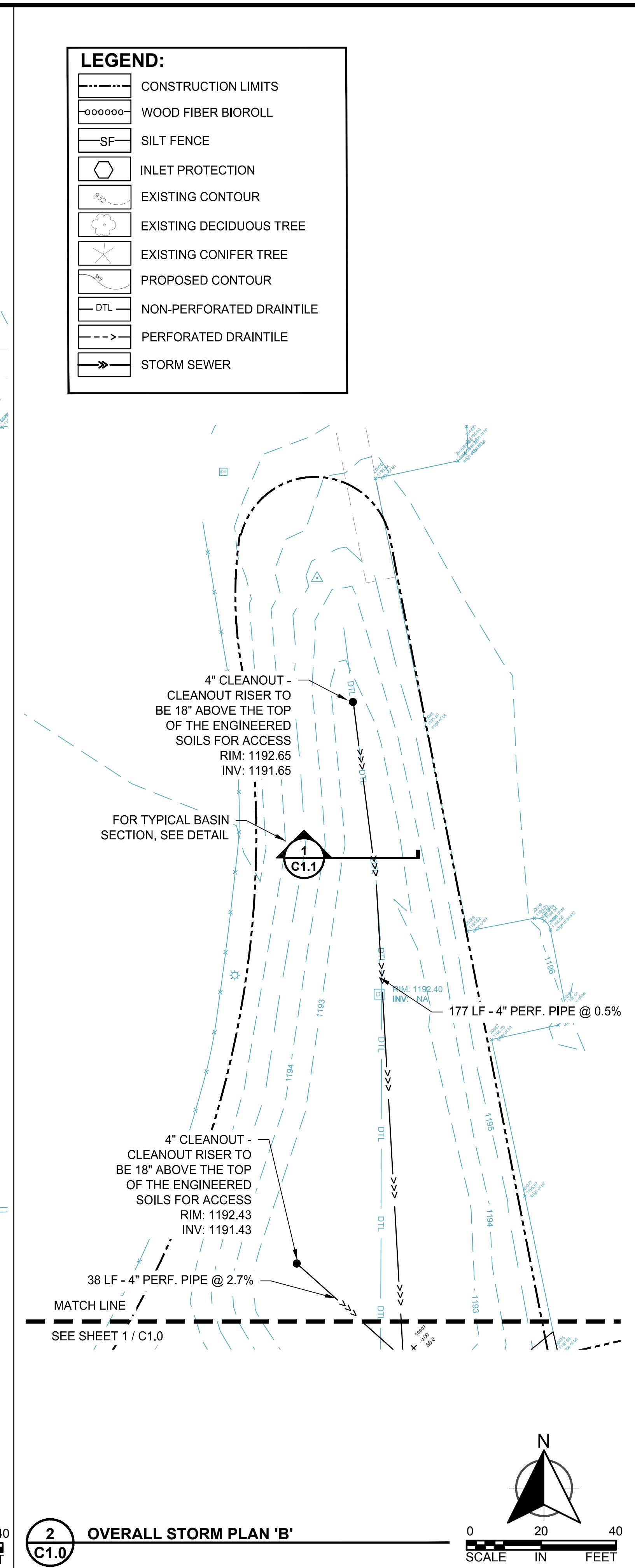
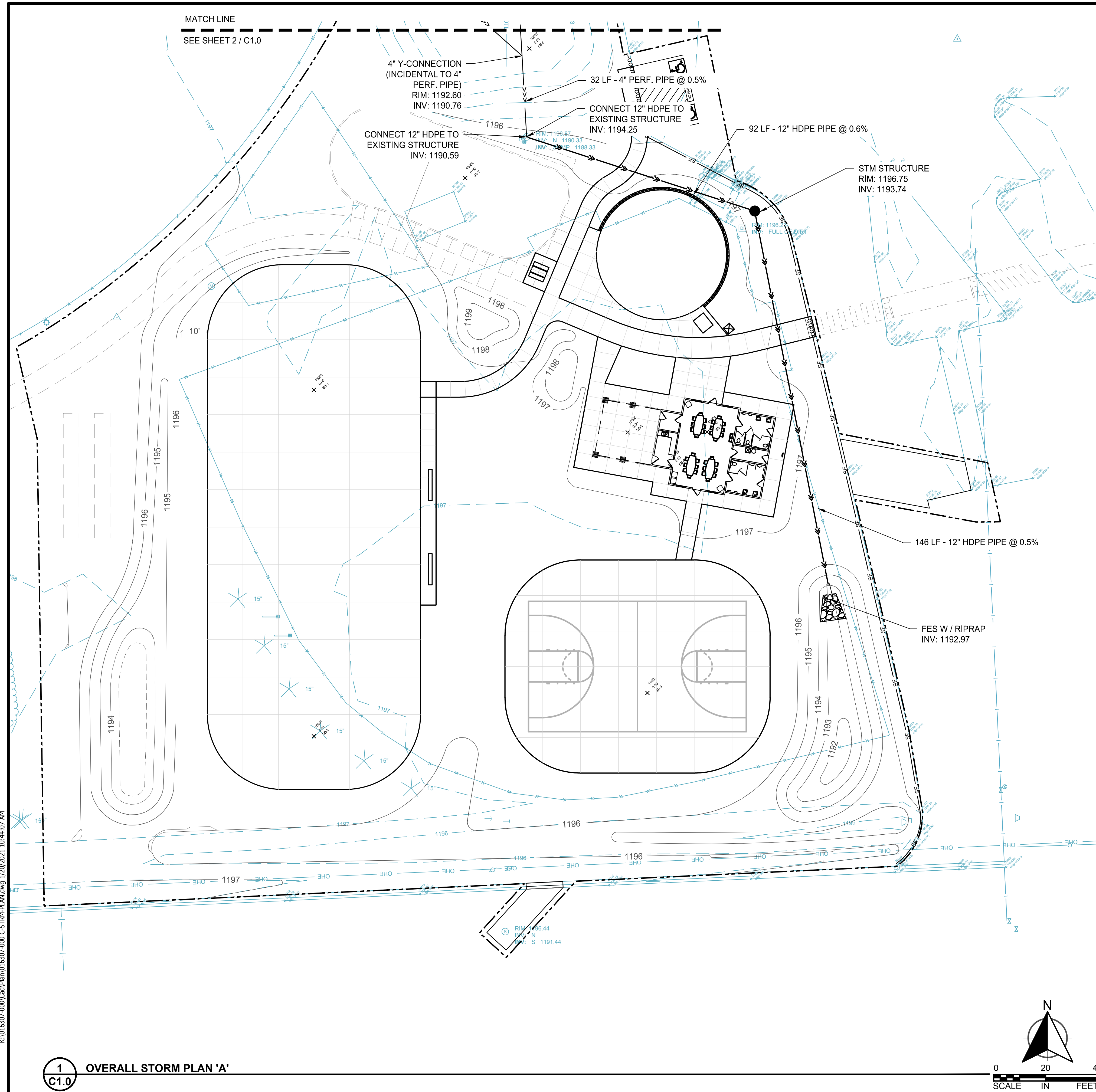
DATE: 11/20/2020 LIC. NO.: 56852

MEMORIAL PARK REDEVELOPMENT
PROJECT

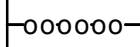
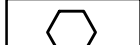
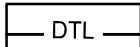
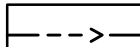
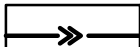
CITY OF BRAINERD

PAVEMENT DETAILS

SHEET
L6.2



LEGEND:

	CONSTRUCTION LIMITS
	WOOD FIBER BIOROLL
	SILT FENCE
	INLET PROTECTION
	EXISTING CONTOUR
	EXISTING DECIDUOUS TREE
	EXISTING CONIFER TREE
	PROPOSED CONTOUR
	NON-PERFORATED DRAIN TILE
	PERFORATED DRAIN TILE
	STORM SEWER

wsb

WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
PLAN BY: SDF

DESIGN BY: JLA
CHECK BY: JLA

[illegible]

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Heather Nelson

DATE: 11/20/2020 LIC. NO: 45801

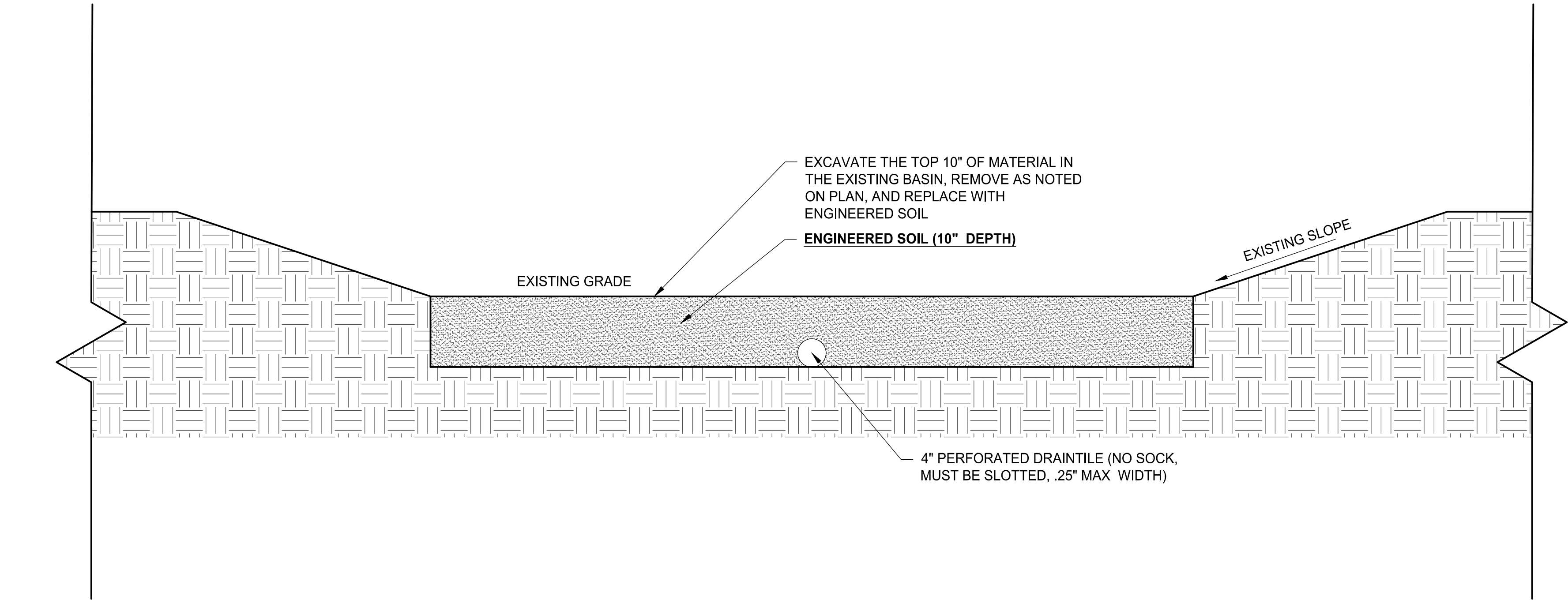
MEMORIAL PARK REDEVELOPMENT PROJECT

CITY OF BRAINERD

OVERALL STORM PLAN

SHEET
C1.0

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1
C1.1 **BASIN SECTION DETAIL**
SCALE: NTS



WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: JLA
PLAN BY: SDF
CHECK BY: JLA

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LAWS OF THE STATE OF MINNESOTA.

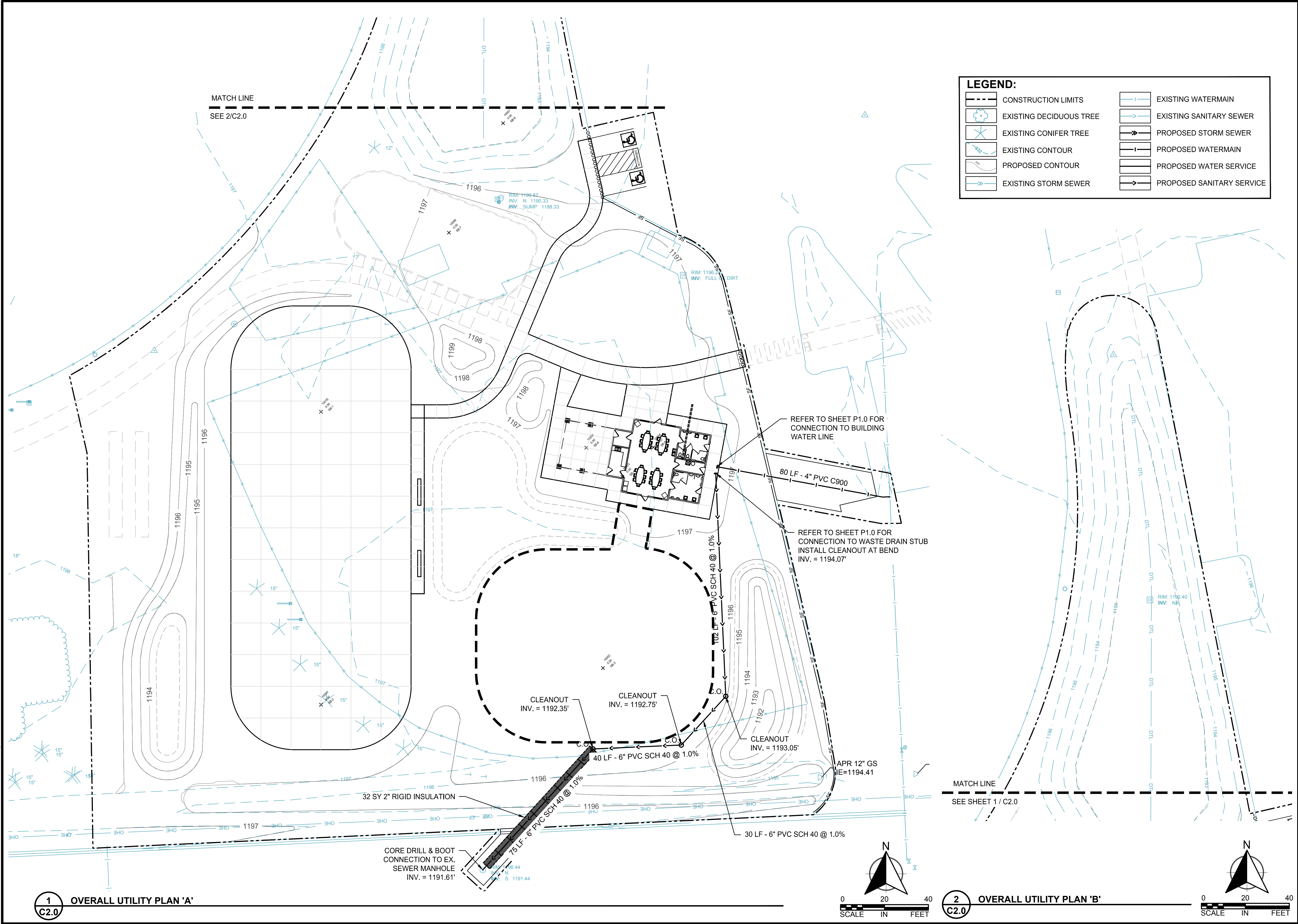
Heather Nelson
DATE: 11/20/2020 LIC. NO: 45801

MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

STORM SEWER
DETAILS

SHEET
C1.1

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WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: CLS
PLAN BY: CLS
CHECK BY: CLS

REVISIONS	
NO.	DESCRIPTION

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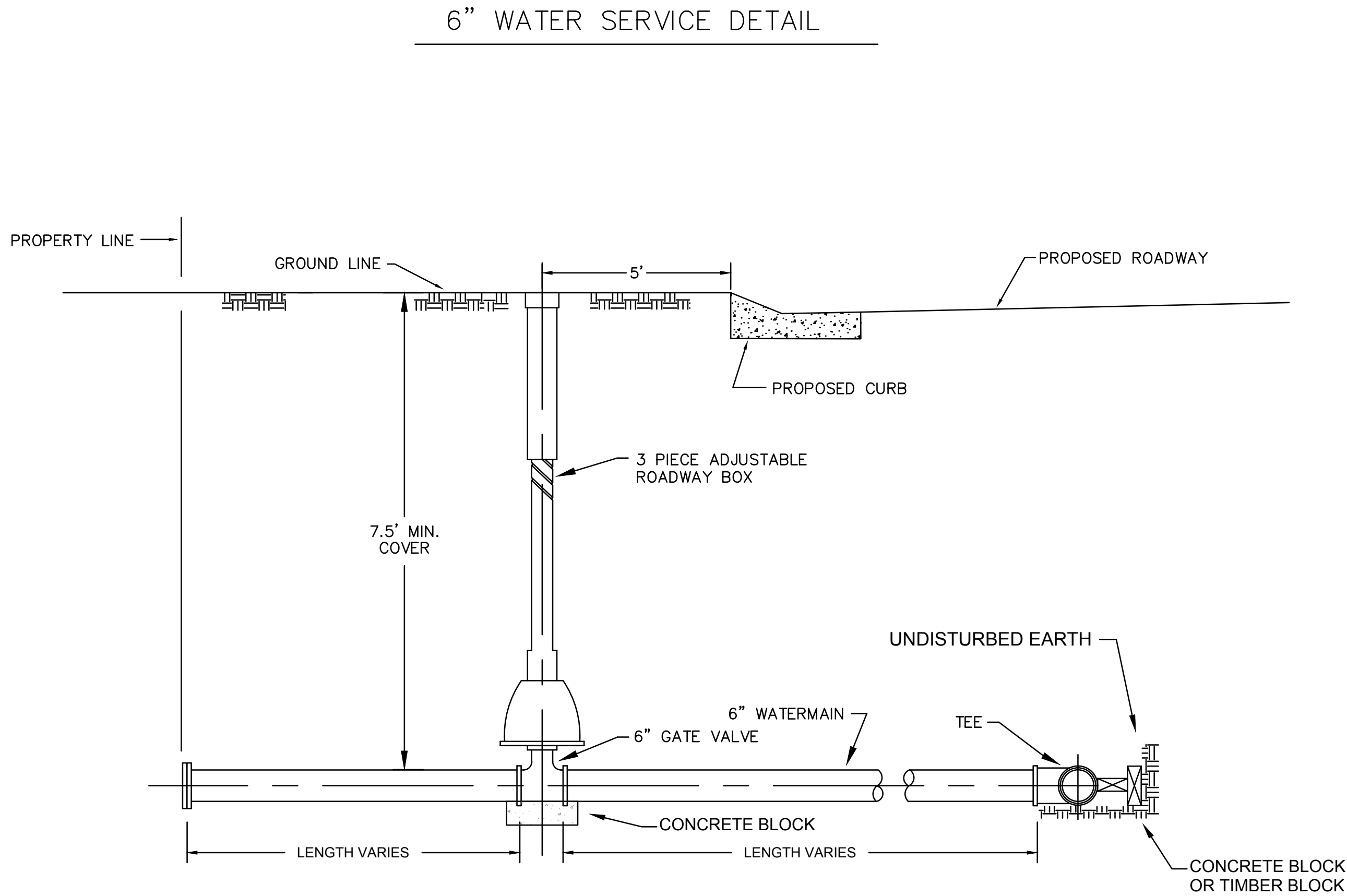
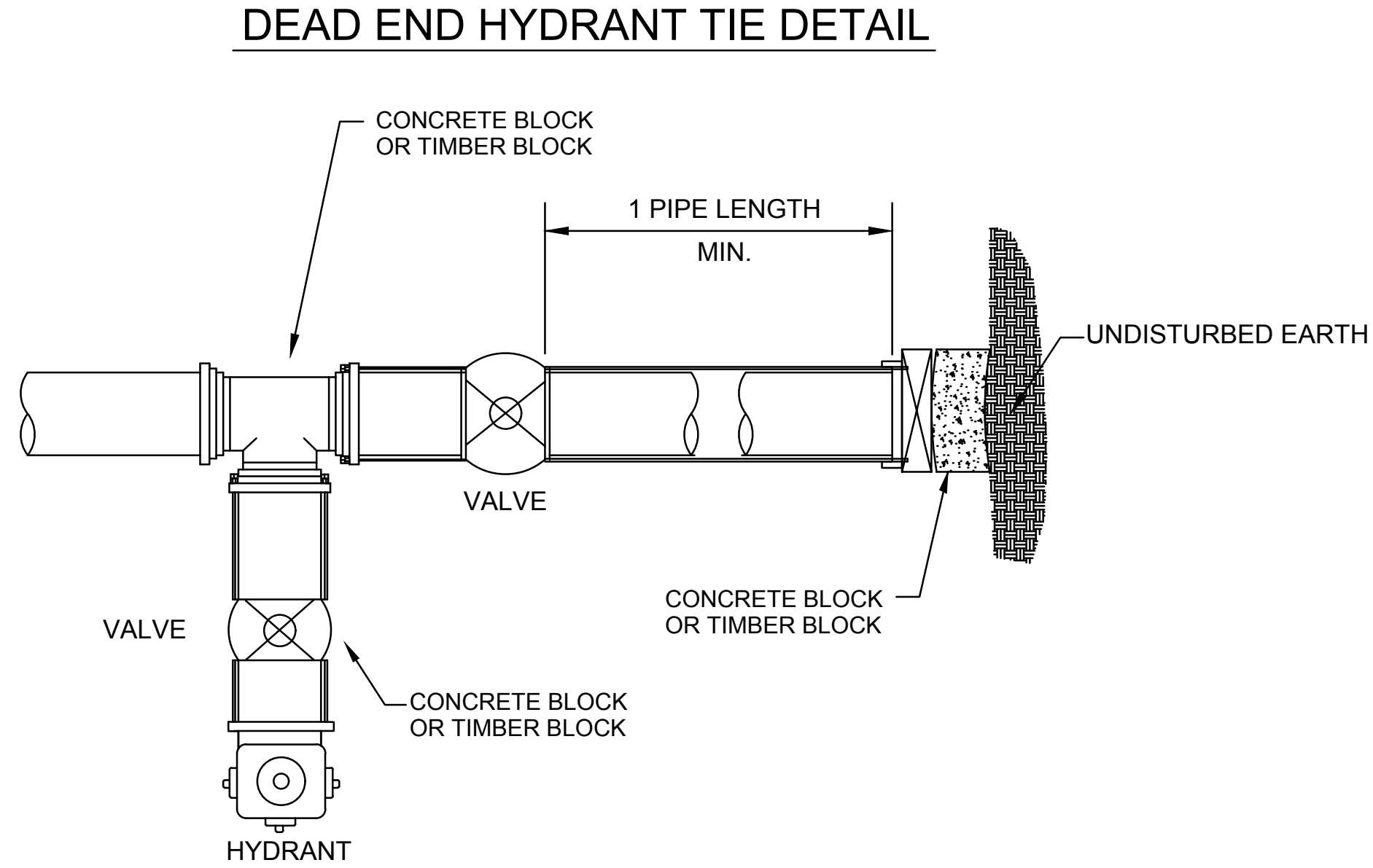
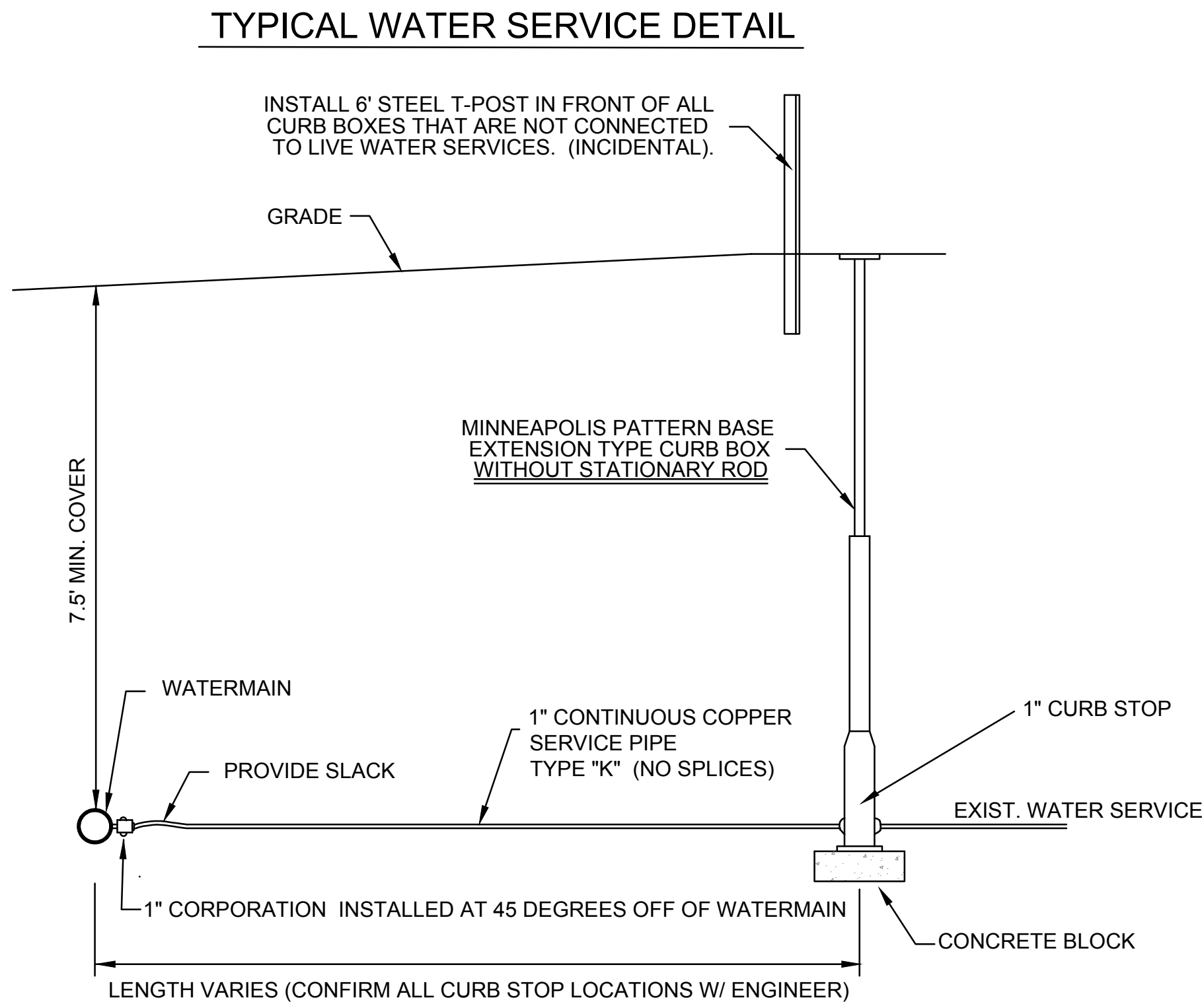
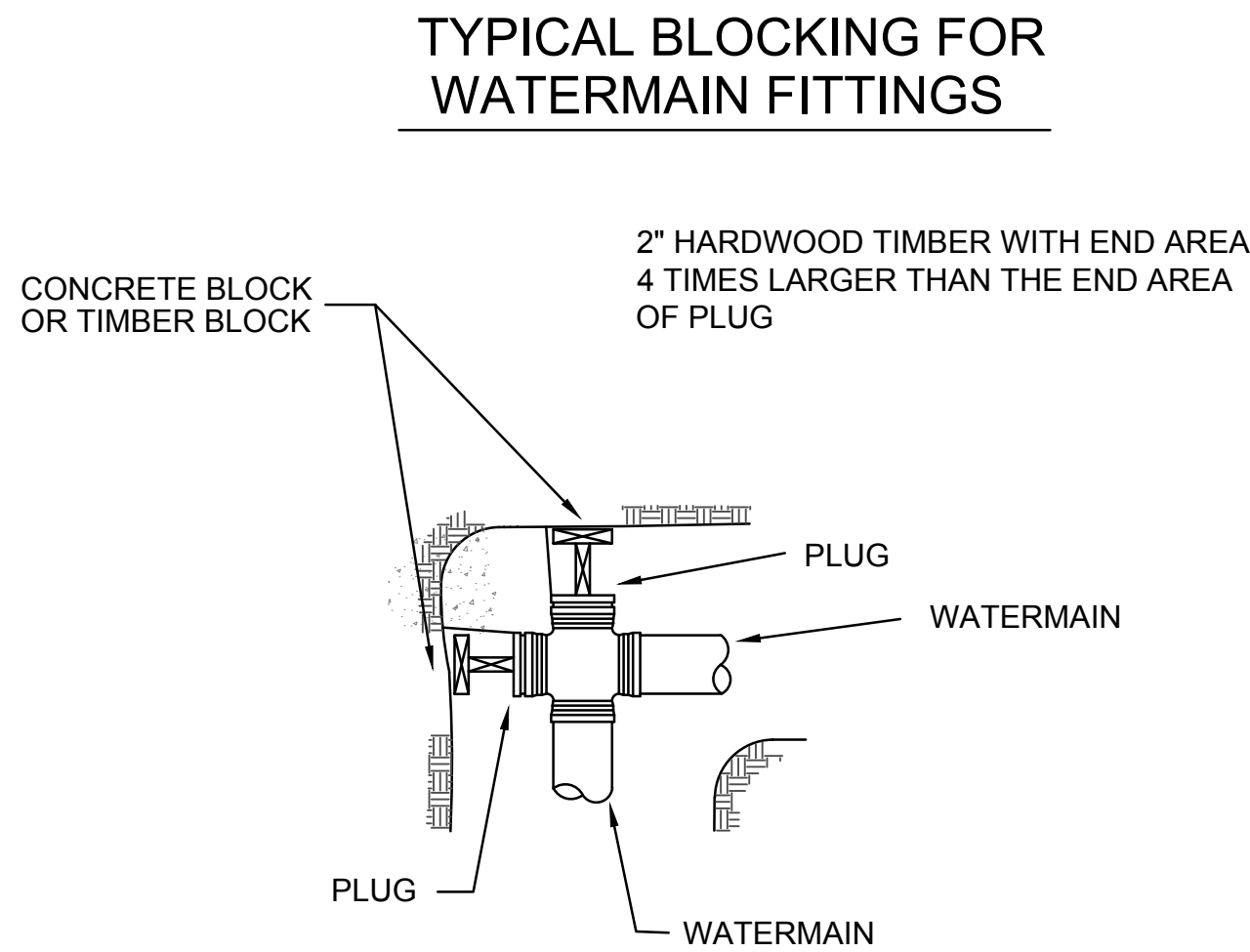
CHRISTOPHER L. SONNIOR
DATE: 11/20/2020 LIC. NO.: 44599

MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

OVERALL UTILITY
PLAN

SHEET
C2.0

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REVISIONS	
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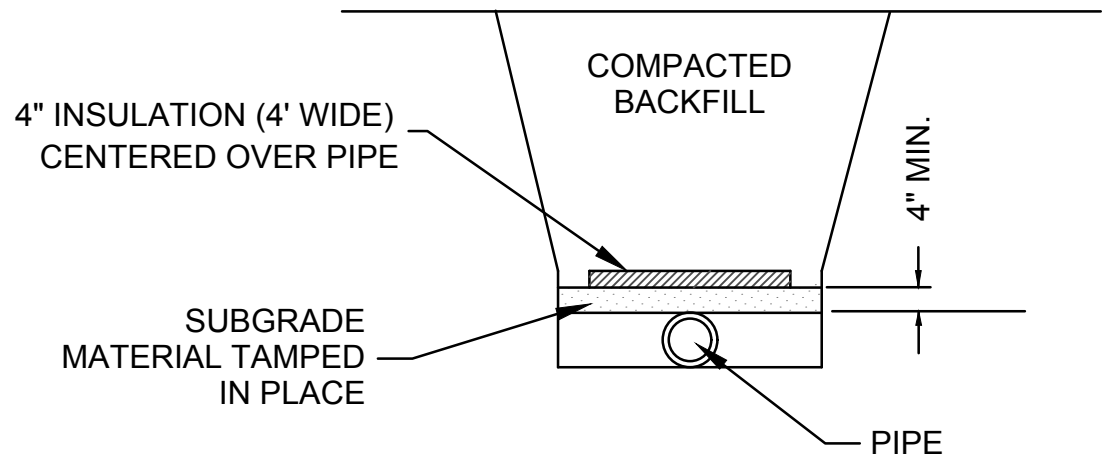
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Christopher L. Sommer
DATE: 11/20/2020 LIC. NO.: 44599

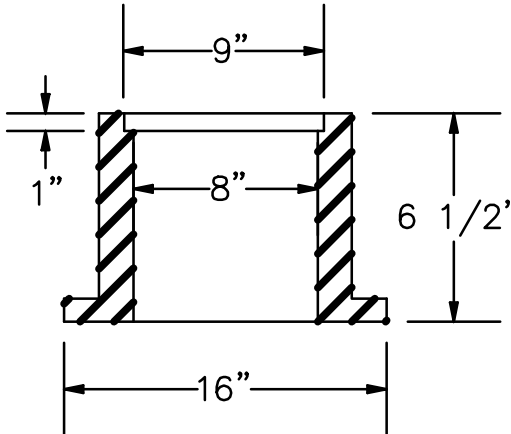
MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

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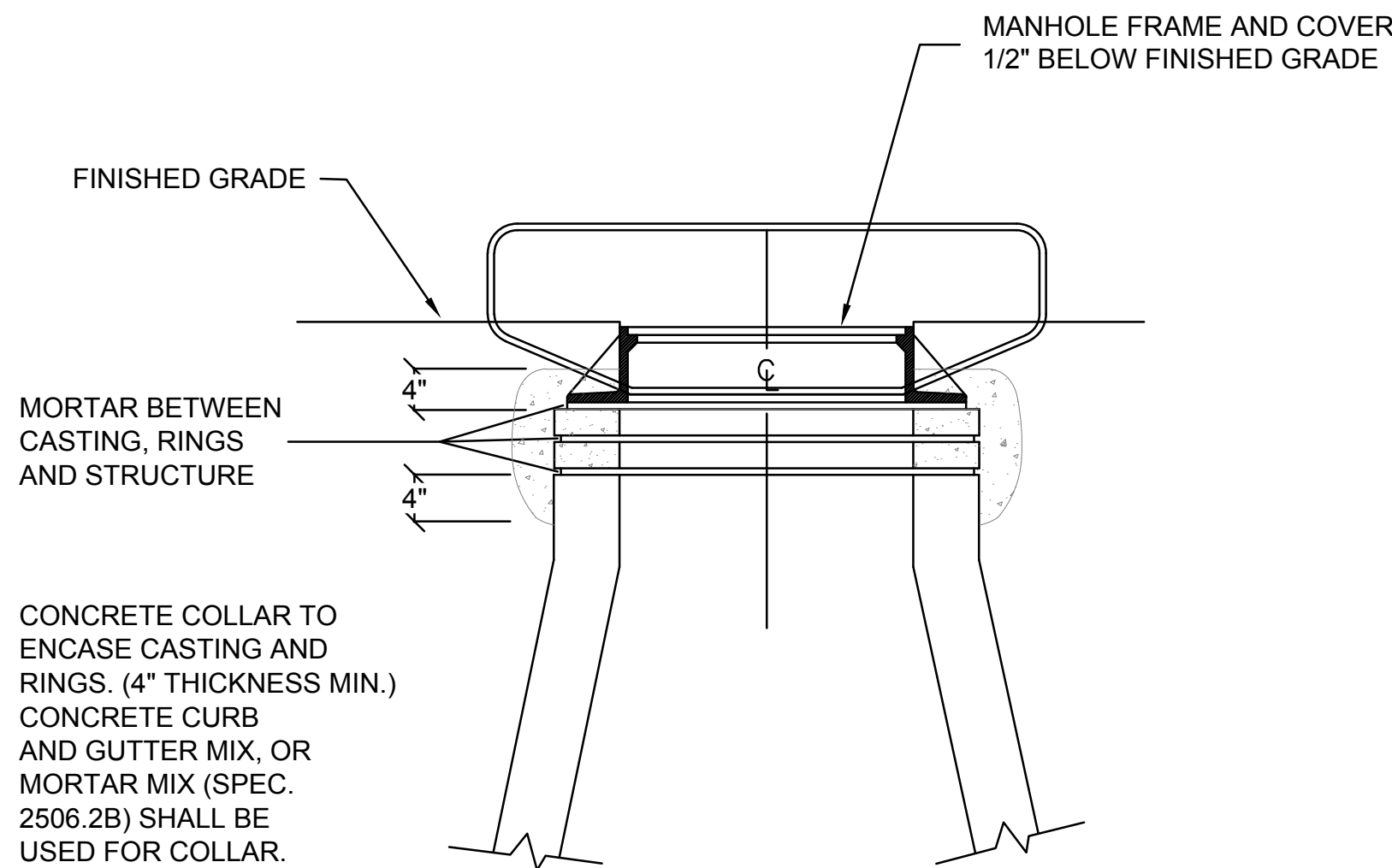
PIPE INSULATION DETAILS



SPECIAL CASTING ASSEMBLY DETAIL
(9" ROUND SOLID COVER)

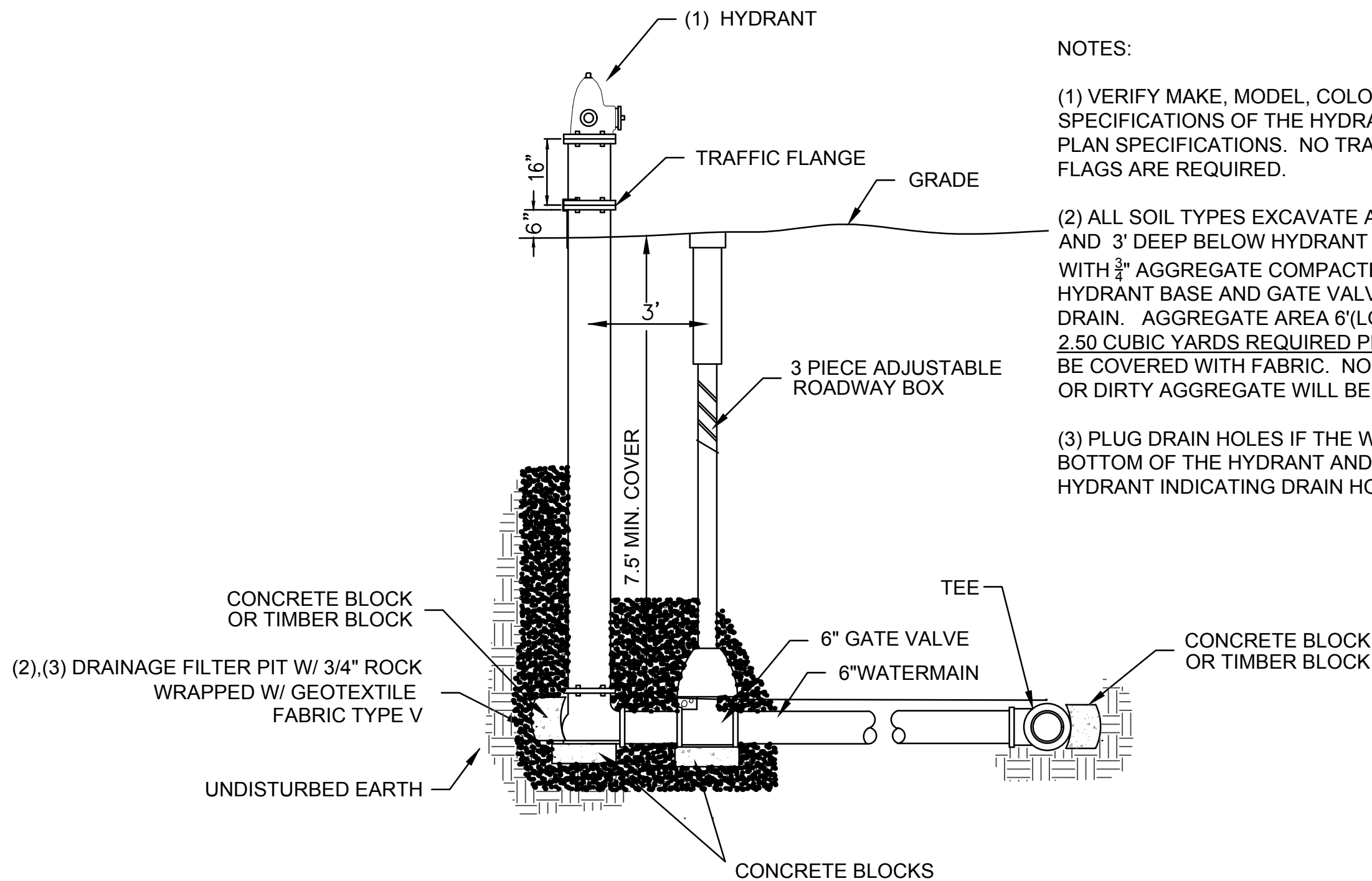


CONCRETE ENCASED CATCHBASIN CASTING



NOTE: CONCRETE ENCASEMENT INCIDENTAL
TO C.B. STRUCTURE CONSTRUCTION.

TYPICAL HYDRANT DETAIL



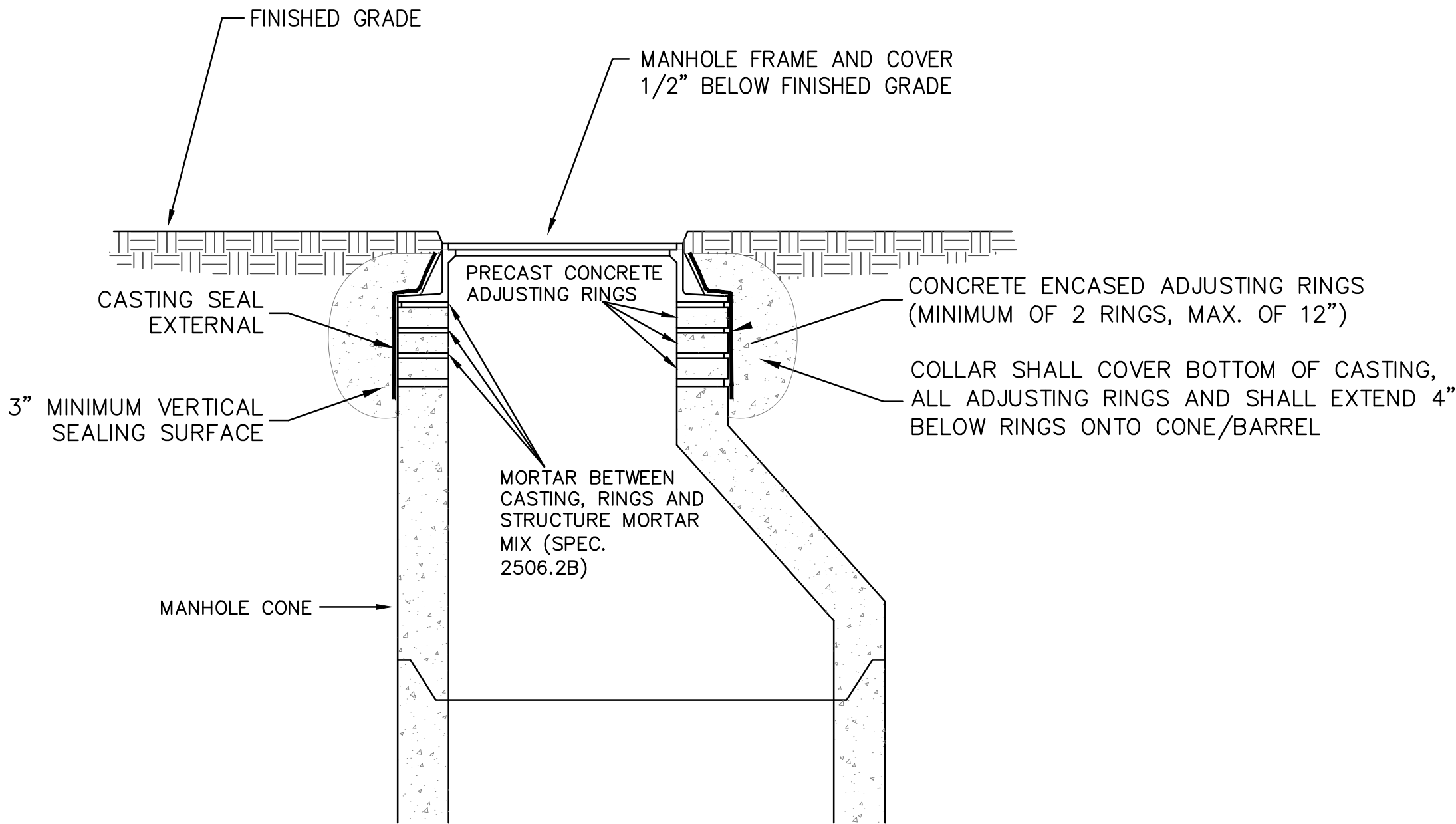
NOTES:

(1) VERIFY MAKE, MODEL, COLOR AND ANY OTHER SPECIFICATIONS OF THE HYDRANT ARE CORRECT WITH THE PLAN SPECIFICATIONS. NO TRACER WIRE REQUIRED. RED FLAGS ARE REQUIRED.

(2) ALL SOIL TYPES EXCAVATE A DRAINAGE PIT 3' IN DIAMETER AND 3' DEEP BELOW HYDRANT BASE AND GATE VALVE. FILL WITH 3/4" AGGREGATE COMPACTED UNDER AND AROUND THE HYDRANT BASE AND GATE VALVE TO 6" ABOVE THE WASTE DRAIN. AGGREGATE AREA 6'(LONG) X 3' (WIDE) X 4' (DEPTH) = 2.50 CUBIC YARDS REQUIRED PER HYDRANT. AGGREGATE TO BE COVERED WITH FABRIC. NO USED FABRIC OR SALVAGED OR DIRTY AGGREGATE WILL BE ALLOWED.

(3) PLUG DRAIN HOLES IF THE WATER TABLE IS ABOVE THE BOTTOM OF THE HYDRANT AND ATTACH A METAL TAG TO THE HYDRANT INDICATING DRAIN HOLES ARE PLUGGED.

MANHOLE CASTING DETAIL
(REQUIRED ON BOTH STORM AND SANITARY MANHOLES)



EXTERNAL CHIMNEY SEALS TO SPAN CHIMNEY HEIGHTS OF:
0-3" NARROW (6") SEAL ONLY
3-6 1/2" STANDARD (9") SEAL ONLY
6 1/2-12" STANDARD SEAL + EXTENSION
OVER 12" SEAL + MULTIPLE EXTENSIONS

SEALS SHALL BE INSTALLED IN ACCORDANCE WITH
THE MANUFACTURES INSTRUCTIONS.

REVISIONS

NO.	DATE	DESCRIPTION

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Christopher L. Sommer

DATE: 11/20/2020 L.C. NO: 44599

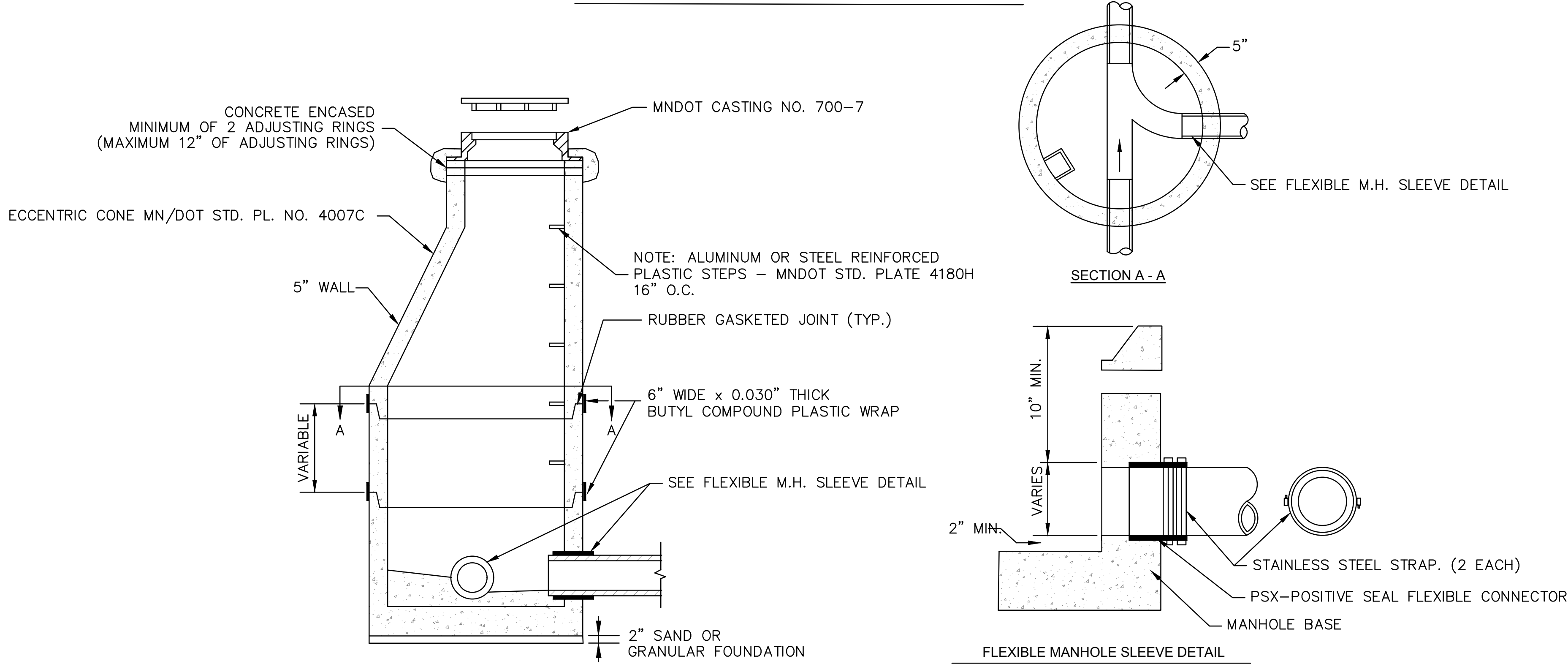
MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

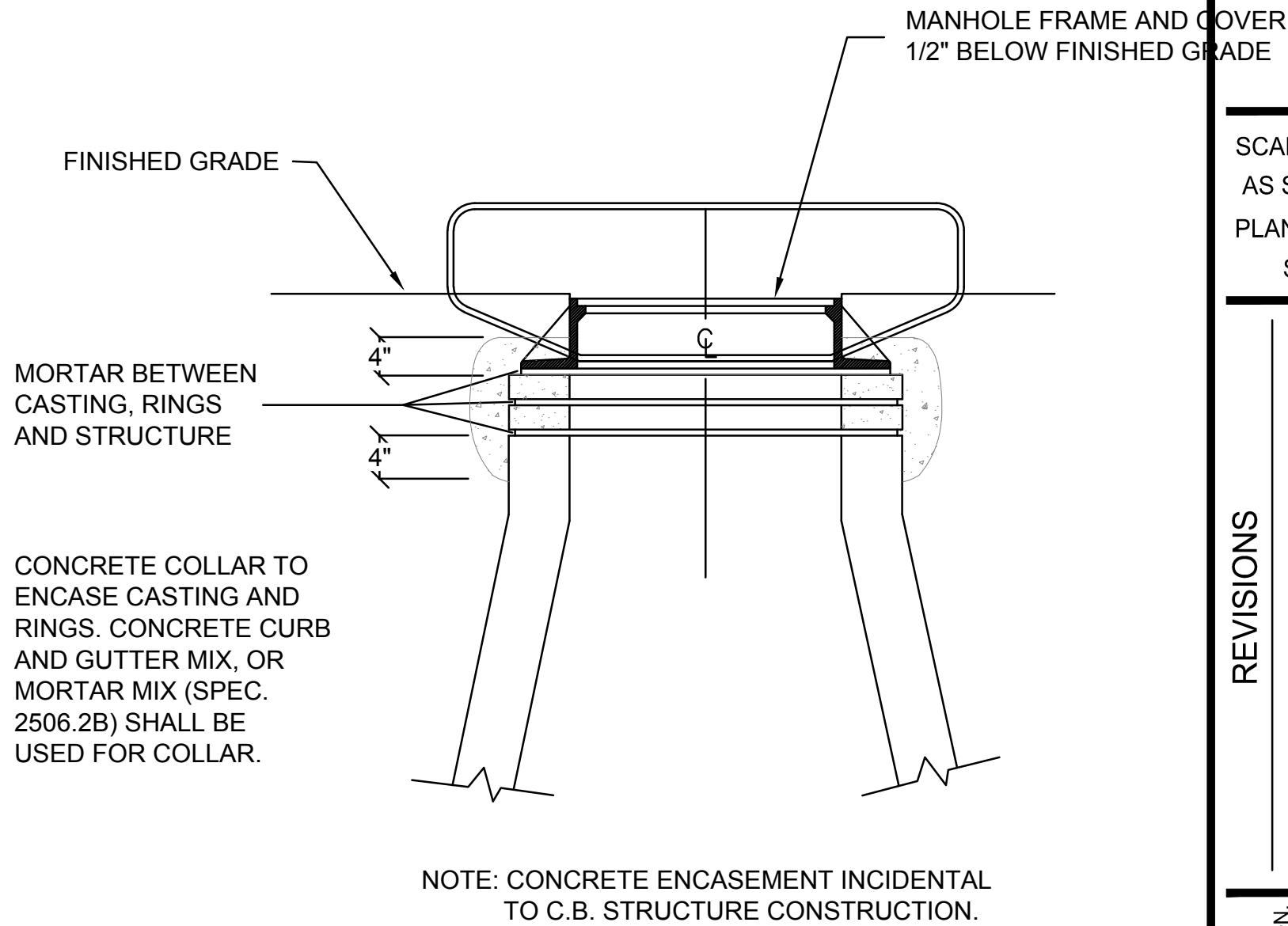
UTILITY DETAILS

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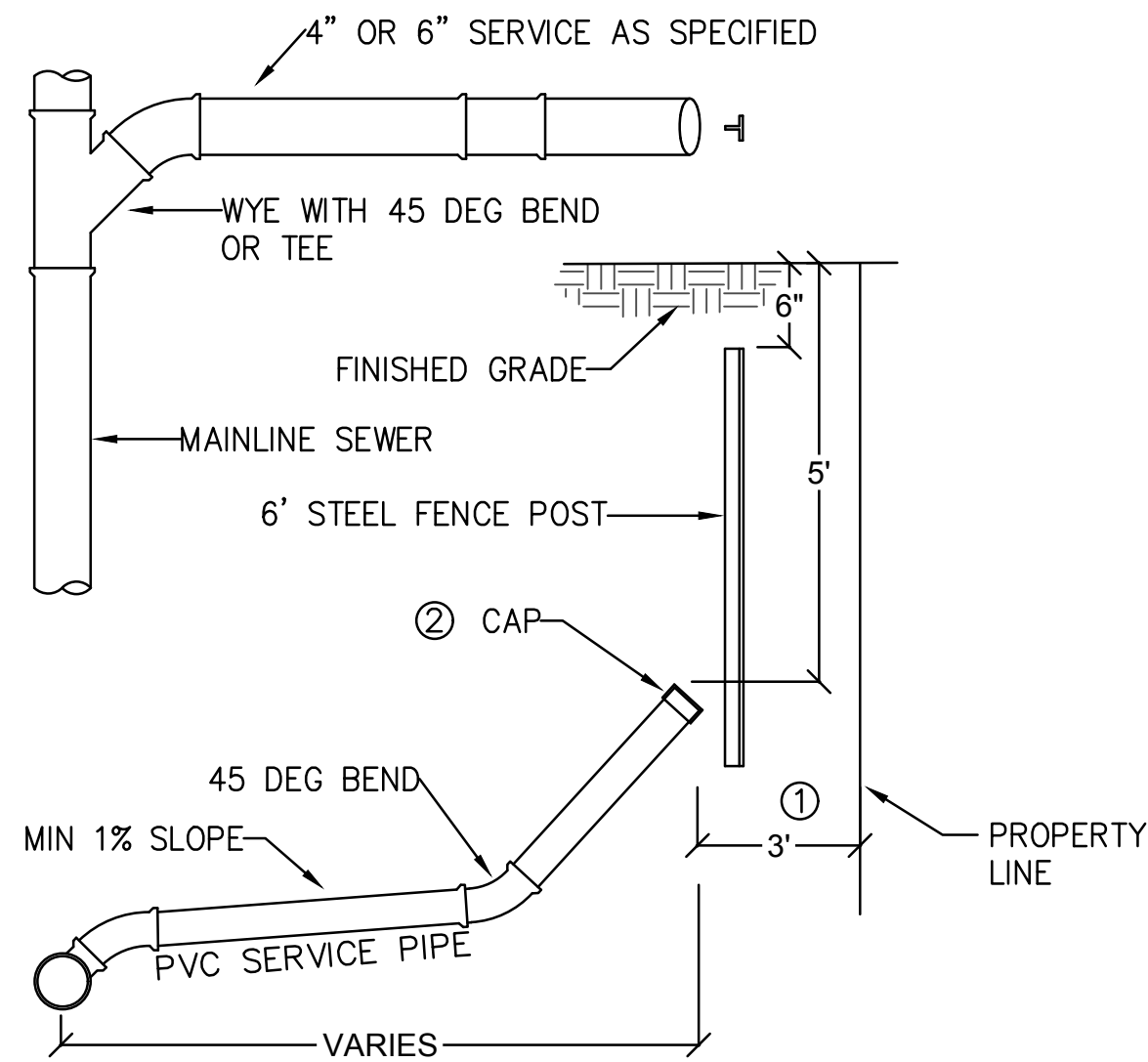
STANDARD PRECAST MANHOLE DETAIL



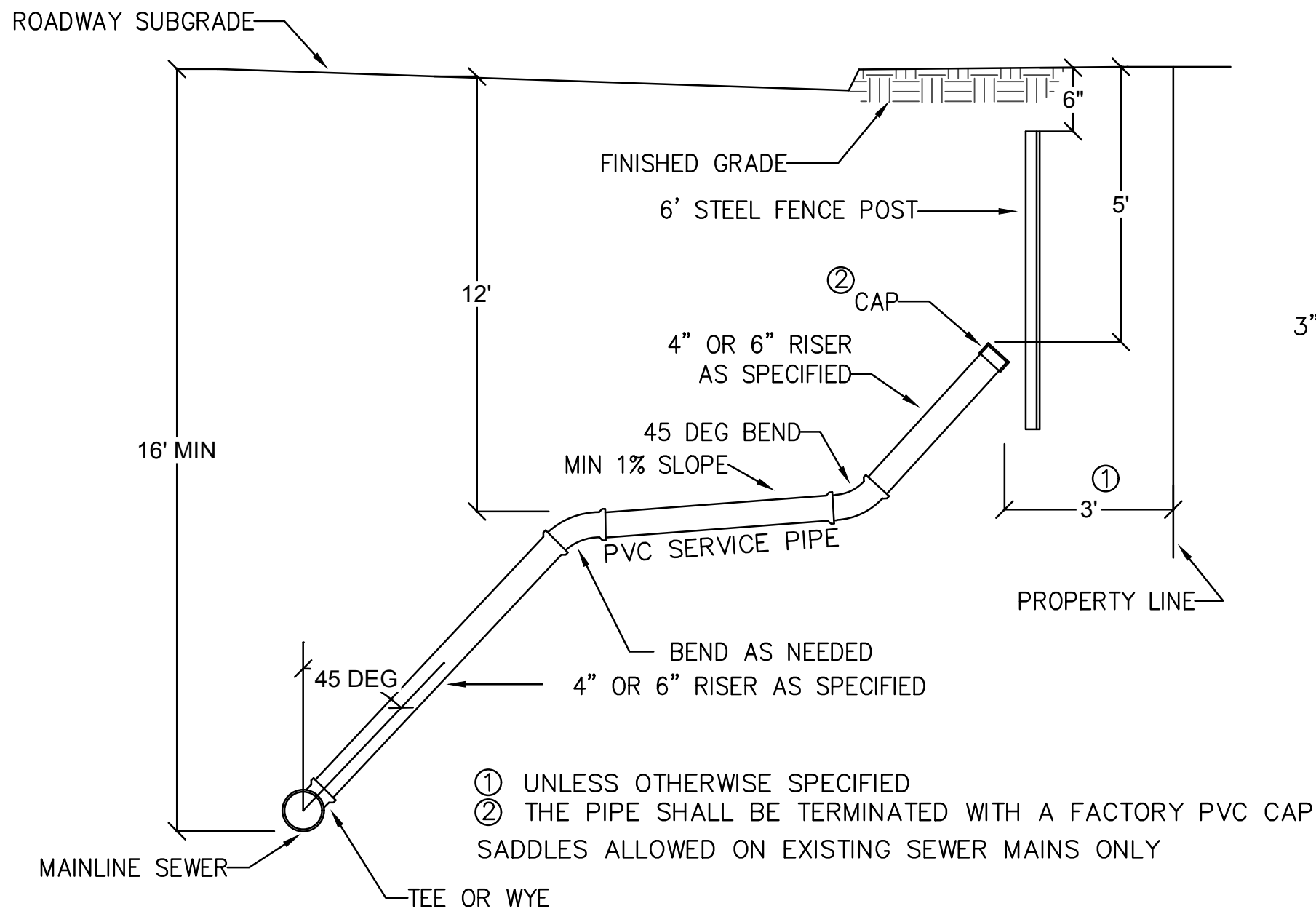
CONCRETE ENCASED CATCHBASIN CASTING



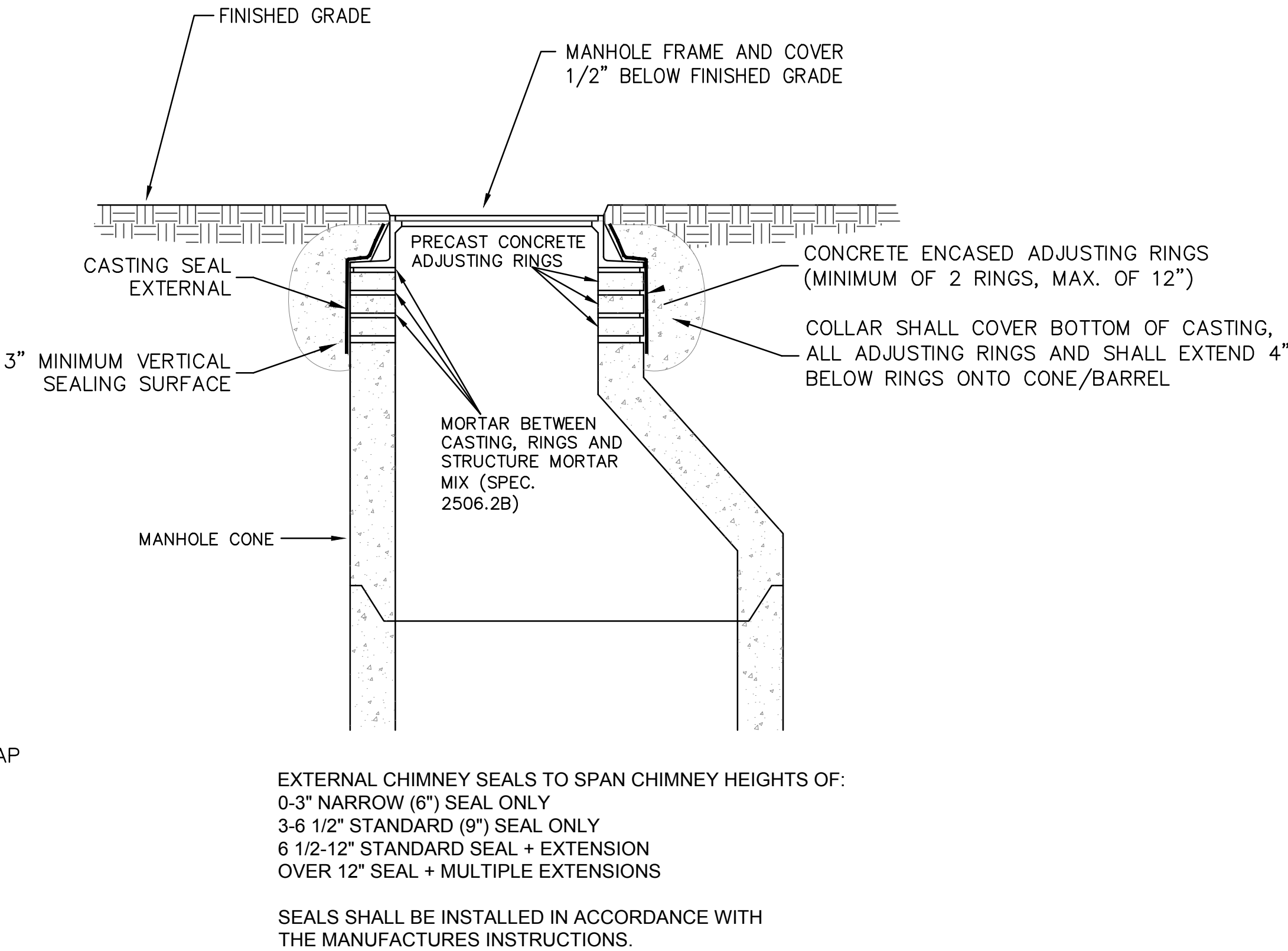
SEWER SERVICE CONNECTION



SEWER SERVICE (DEEP) RISER SECTION



MANHOLE CASTING DETAIL
(REQUIRED ON BOTH STORM AND SANITARY MANHOLES)



WSB PROJECT NO.: 016307-000

SCALE: AS SHOWN
DESIGN BY: JLA
PLAN BY: SDF
CHECK BY: JLA

REVISIONS

NO	DATE	DESCRIPTION

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Christopher L. Sommer

DATE: 11/20/2020 LIC. NO: 44599

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

UTILITY DETAILS

CODE DATA:

APPLICABLE CODES:

2018 INTERNATIONAL BUILDING CODE
2020 MN BUILDING CODE

BUILDING AREA:

MAIN FLOOR - 1,372 S.F.

TOTAL - 1,372 S.F.

OCCUPANCY CLASSIFICATION:

B - BUSINESS (SMALL BUILDINGS MBC 303.1.1)

OCCUPANCY SEPARATION:

PER SECTION 508.3
NO SEPARATION REQUIRED

HORIZONTAL ASSEMBLIES AT FLOORS:

NOT APPLICABLE

SHAFT ENCLOSURES:

NOT APPLICABLE

FIRE WALLS:

NOT APPLICABLE

EXTERIOR WALLS

NOT APPLICABLE

FIRE PARTITIONS (CORRIDORS):

NO FIRE RATING REQUIRED
NO CORRIDORS PROVIDED

ALLOWABLE AREA:

PER TABLE 503
CONSTRUCTION TYPE: VB - NON- SPRINKLERED

GROUP B - 9,000 S.F. PER STORY
SPRINKLER INCREASE - NOT APPLICABLE
FRONTAGE INCREASE -6,750 S.F. (75%)
TOTAL AREA = 1,372 S.F. < 15,750 (OK)

ALLOWABLE HEIGHT:

TABLE 503
GROUP B
ALLOWABLE HEIGHT = 2 STORIES (20' EA.)
SPRINKLER INCREASE = NA
ACTUAL - 1 STORIES - 9'-0" (OK;)

OCCUPANT LOAD: FIRST FLOOR

B OCCUPANCY

ROOM NAME	OCCUPANT LOAD	SUBTOTAL
STORAGE	52/ 300	1.0
KITCHEN	101/200	1.0
WARMING/MEETING	693/15	46.0
MEN'S RESTROOM	NA	0.0
WOMEN'S RESTROOM	NA	0.0
MECHANICAL	163 / 300	1.0

TOTAL = 49 OCCUPANTS

EXIT NOTES:

- PER TABLE 1015.1 X<49 OCCUPANTS PER STORY = 1 EXIT
49 ≤ 49 < 500 = 1 EXIT REQUIRED (2 PROVIDED)
- EXIT WIDTH:
49 X 0.2 = 9.8 INCHES REQUIRED
PROVIDED 67 1/2"
- TRAVEL DISTANCE TO EXIT:
PER TABLE 1016.2 - 200 FEET
ACTUAL MAXIMUM: 49'-0"
- MAX DISTANCE BETWEEN EXITS:
NOT REQUIRED (ONLY 1 EXIT REQUIRED)
33' PROVIDED

FLAME SPREAD/SMOKE DEVELOPED:

OCC. GROUP	EXITS	CORRIDORS	ROOMS
B	A (0-25/0-450)	B (26-75/0-450)	C (76-200/0-450)

TOILET ROOM REVIEW:

PER TABLE 2902.1

WATER CLOSETS REQUIRED:

1 PER 25 OCCUPANTS EACH SEX (1 REQUIRED - EACH SEX)
PROVIDED: 3 MENS, 3 WOMENS

LAVATORIES REQUIRED: 1 PER 40 (1 REQUIRED - EACH SEX)

PROVIDED: 2 EACH SEX

DRINKING FOUNTAIN: NOT REQUIRED (49 OCCUPANTS <50)

(2) HI-LOW PROVIDED

OTHER REQUIRED: 1 SERVICE / MOP SINK

PROVIDED: 1

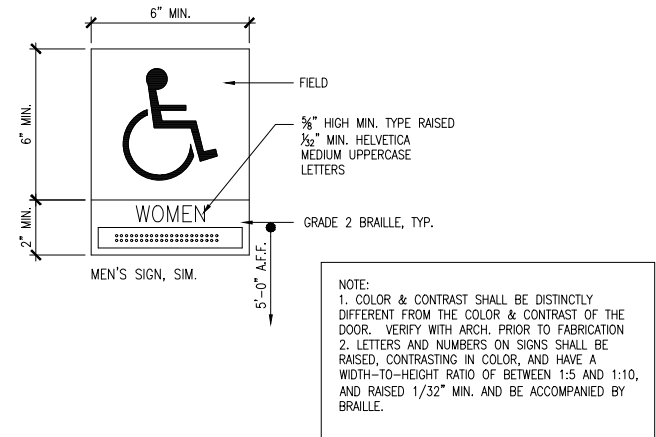
ENERGY CODE:

PER TABLE C402.1.2 (CLIMATE ZONE 7)

ROOF	(ATTIC & OTHER):	REQUIRED: U-0.021	PROVIDED: U-0.021
WALLS ABOVE GRADE	(WOOD FRAMED):	REQUIRED: U-0.051	PROVIDED: U-0.048
FLOOR	(UNHEATED SLAB):	REQUIRED: F-0.40	PROVIDED:
DOOR	(ENTRANCE DOOR):	REQUIRED: U-0.77	PROVIDED: U-0.770
WINDOW	(FIXED WINDOW):	REQUIRED: U-0.29	PROVIDED: U-0.26
WINDOW	(OPERABLE WINDOW):	REQUIRED: U-0.37	PROVIDED: U-0.26
SHGC	(DOORS & WINDOWS):	REQUIRED: .45	PROVIDED: .22

PER TABLE C402.2 (CLIMATE ZONE 7)

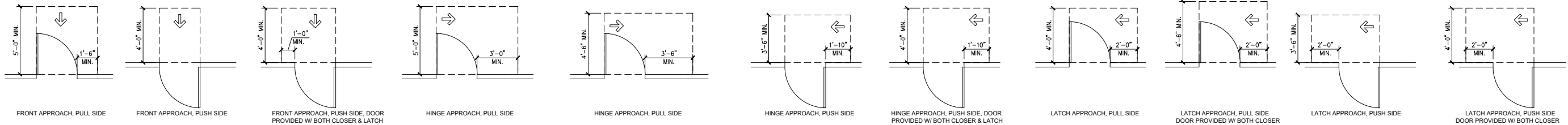
ROOF	(ATTIC & OTHER):	REQUIRED: R-49	PROVIDED: R-49
WALLS ABOVE GRADE	(WOOD FRAMED):	REQUIRED: R-20 + 3.8ci	PROVIDED: R-21 + 3.6ci
FLOOR	(UNHEATED SLAB):	REQUIRED: R-15 (MIN. 24")	PROVIDED: R-15
DOOR	(ENTRANCE DOOR):	REQUIRED: U-0.77	PROVIDED: U-0.770
WINDOW	(FIXED WINDOW):	REQUIRED: U-0.29	PROVIDED: U-0.26
WINDOW	(OPERABLE WINDOW):	REQUIRED: U-0.37	PROVIDED: U-0.26
SHGC	(DOORS & WINDOWS):	REQUIRED: .45	PROVIDED: .22



2 ADA BATH SIGNAGE

1

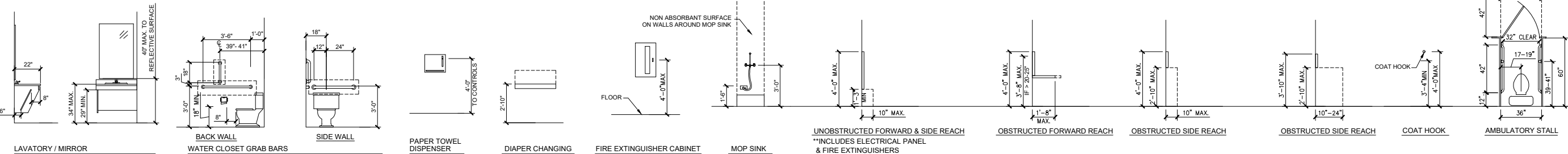
CODE REVIEW



3

REQUIRED CLEARANCES AT DOORS

1/4" = 1'-0"



GENERAL NOTE:
PROVIDE NECESSARY BLOCKING AS REQUIRED FOR TOILET ROOM ACCESSORIES

4

STANDARD ADA MOUNTING HEIGHTS

1/4" = 1'-0"



TWM ARCHITECTURE
218-821-6780

wsb

WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: TWM
PLAN BY: EAS
CHECK BY: TWM

NO.	DATE	DESCRIPTION

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TRAVIS MILLER
DATE: 7-31-2020 LIC. NO.: 45743

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

CODE
INFORMATION

SHEET

A0.1

[illegible]

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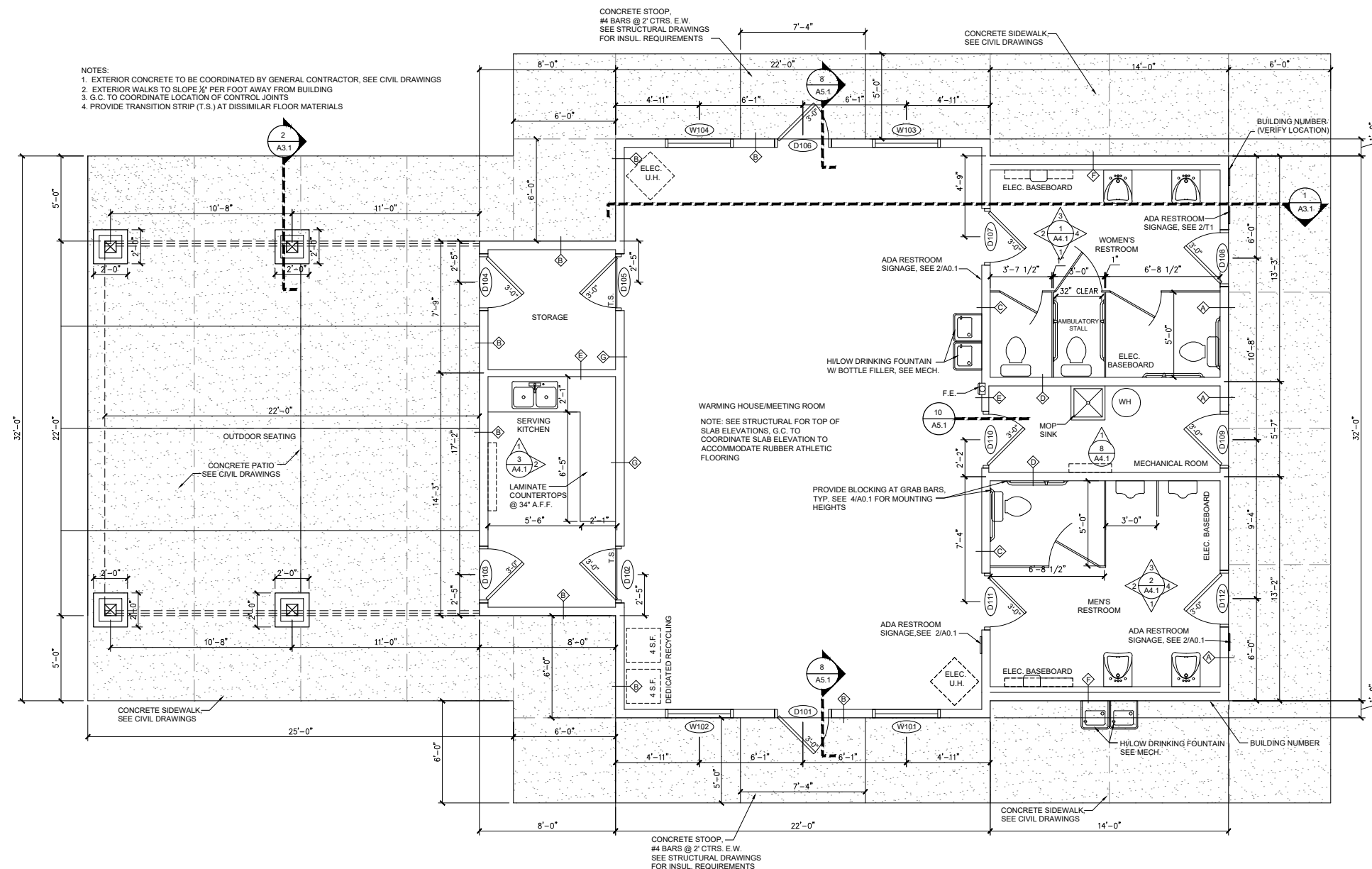
MEMORIAL PARK REDEVELOPMENT PROJECT

CITY OF BRAINERD

FLOOR
PLAN

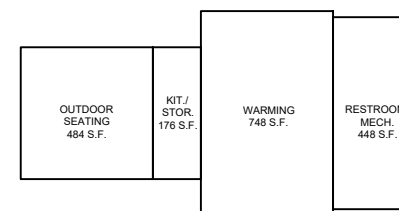
SHEET

A1.1



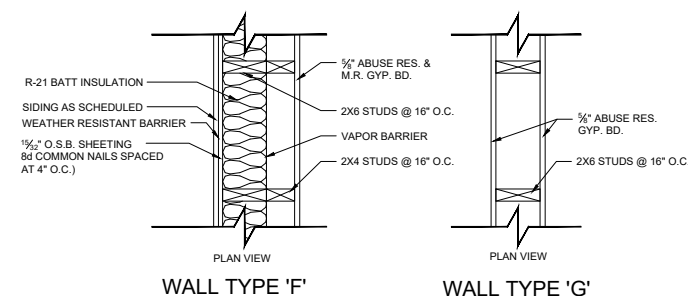
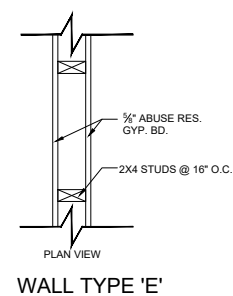
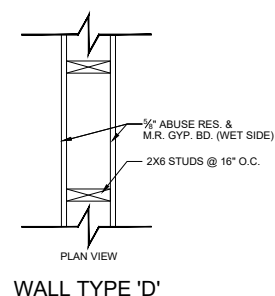
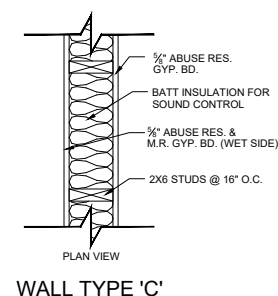
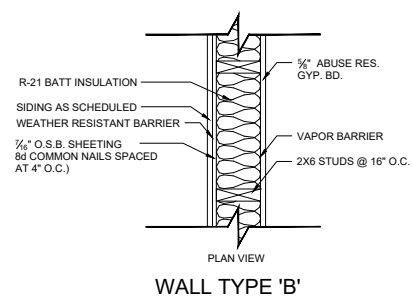
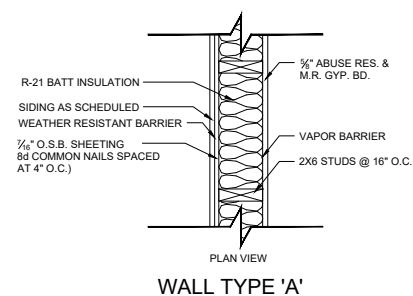
AREA SUMMARY

TOTAL AREA = 1.856 S.F.



FLOOR PLAN

1/4" = 1'-0" ON 24 X 36 PAPER



NOTE:
WALL TYPES A,C, & D TO HAVE 5/8" BCX PLYWOOD BACKER AT FRP
WAINSCOT LOCATIONS

WALL TYPES

1" = 1'-0" ON 24 X 36 PAPER



TWM ARCHITECTURE
218-821-6780

REVISIONS	
NO.	DESCRIPTION

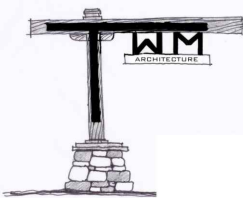
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DATE: 7-31-2020 LIC. NO. 45743

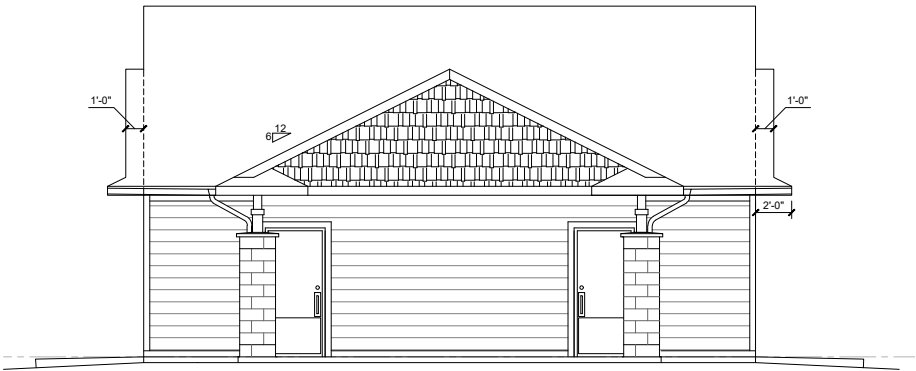
TRAVIS MILLER

MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

EXTERIOR
ELEVATIONS



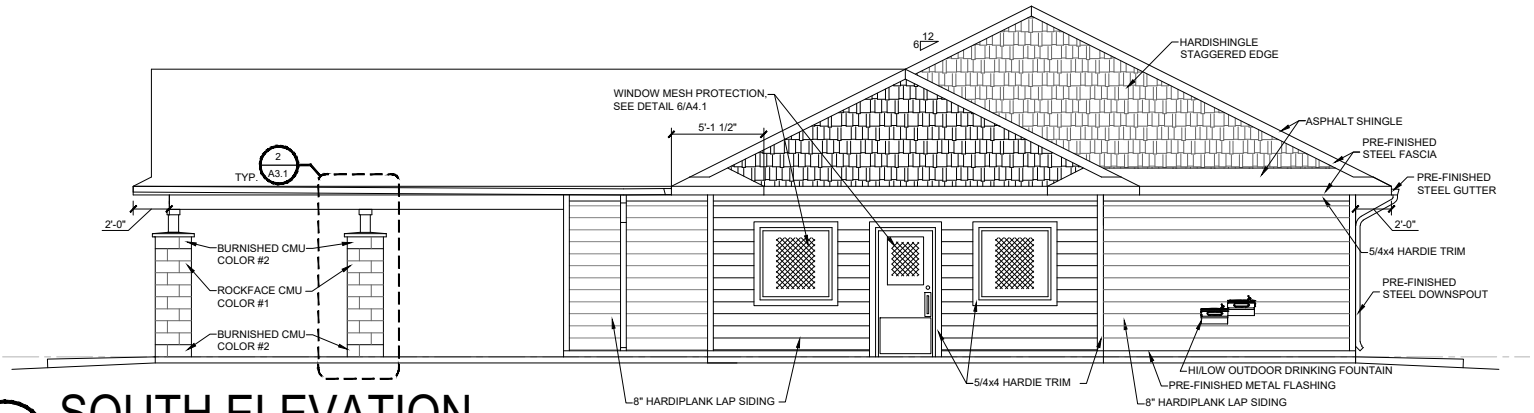
TWM ARCHITECTURE
218-821-6780



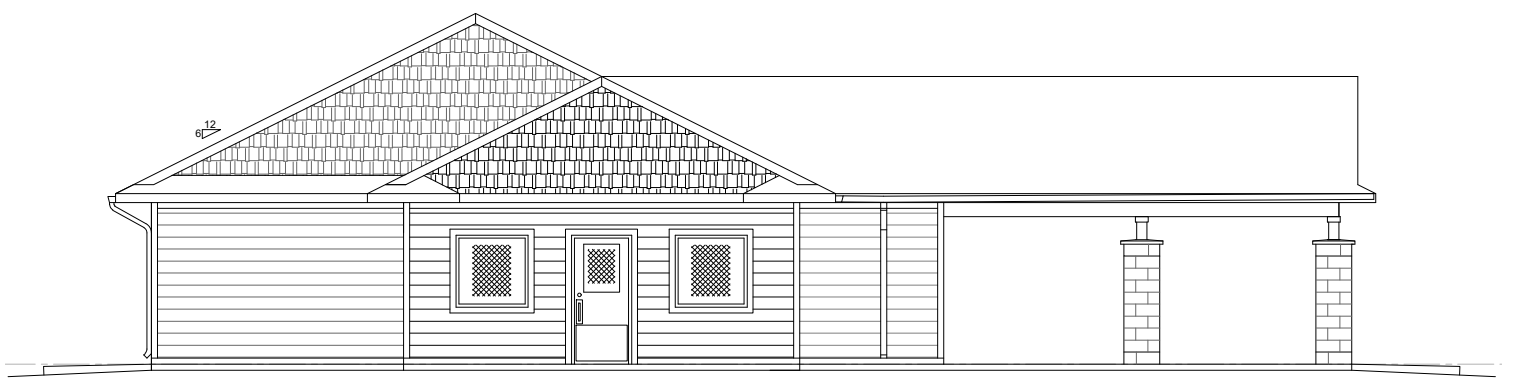
2 WEST ELEVATION
3/16" = 1'-0" ON 24 X 36 PAPER



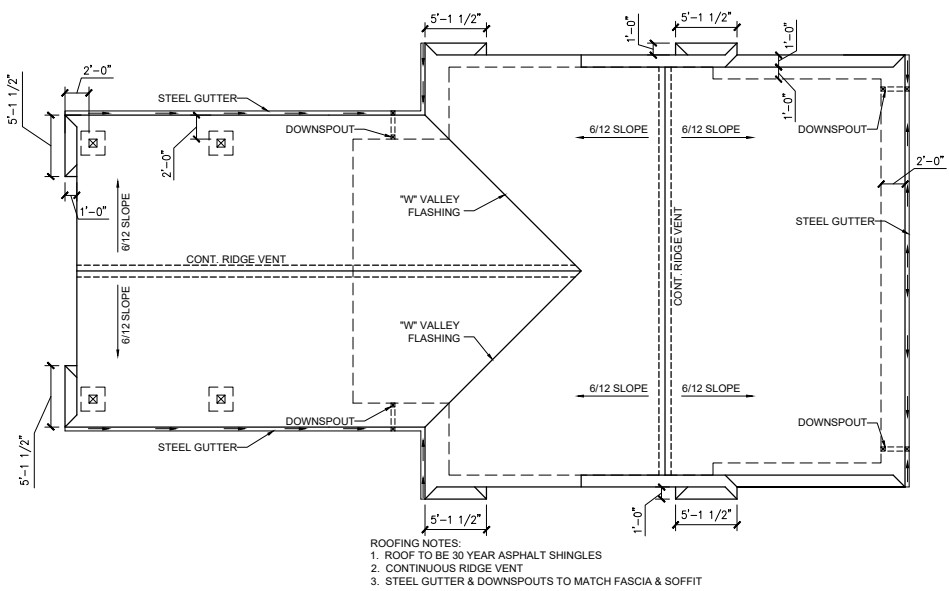
4 EAST ELEVATION
3/16" = 1'-0" ON 24 X 36 PAPER



1 SOUTH ELEVATION
3/16" = 1'-0" ON 24 X 36 PAPER

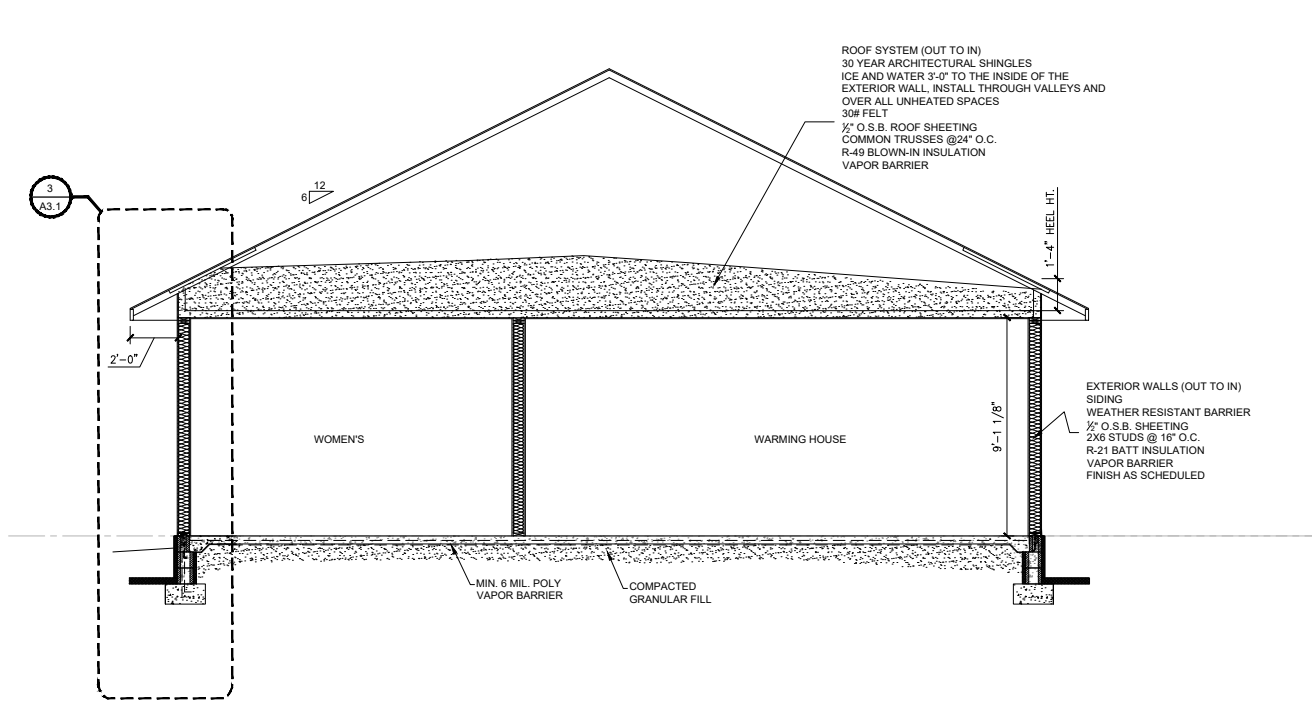


3 NORTH ELEVATION
3/16" = 1'-0" ON 24 X 36 PAPER

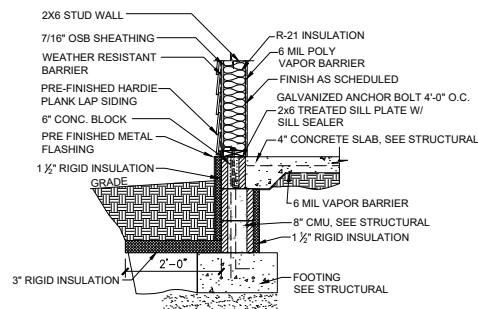
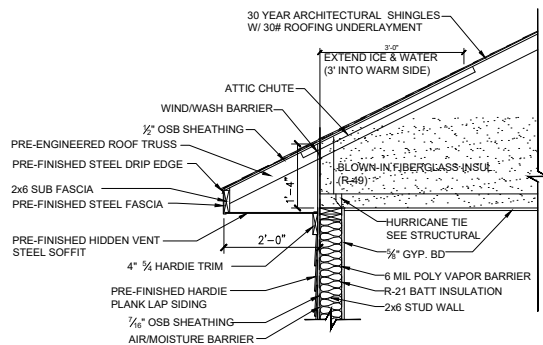


5 ROOF PLAN
1/8" = 1'-0" ON 24 X 36 PAPER

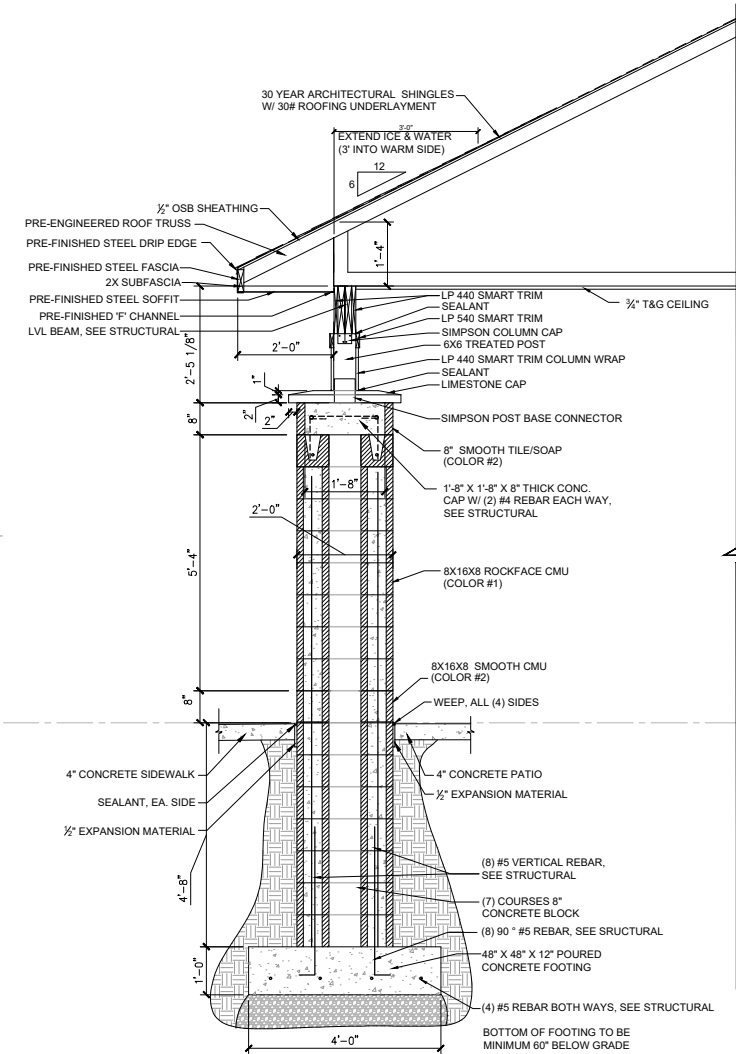




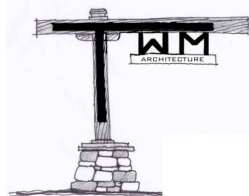
1 BUILDING SECTION
1/4" = 1'-0" ON 24 X 36 PAPER



3 TYP. WALL SECTION
1/2" = 1'-0" ON 24 X 36 PAPER



2 TYP. COLUMN SECTION
1/2" = 1'-0" ON 24 X 36 PAPER



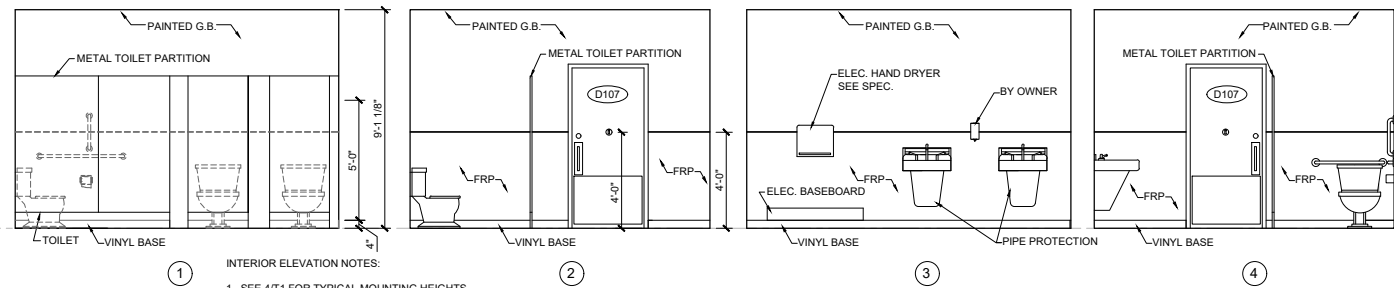
TWM ARCHITECTURE
218-821-6780

REVISIONS	
NO.	DESCRIPTION

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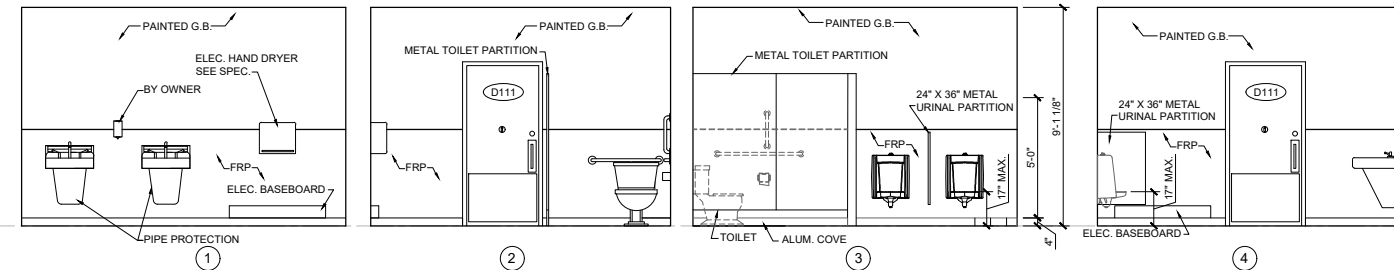
Travis Miller
TRAVIS MILLER

DATE: 7-31-2020 LIC. NO.: 45743



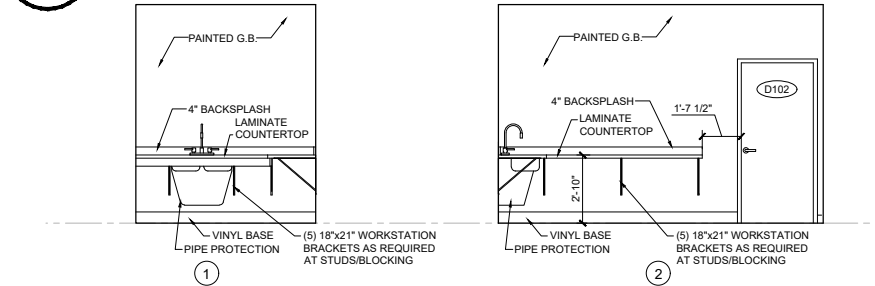
1 INTERIOR ELEVATION - WOMEN'S RESTROOM

1/4" = 1'-0" ON 24 X 36 PAPER



2 INTERIOR ELEVATION - MEN'S RESTROOM

1/4" = 1'-0" ON 24 X 36 PAPER



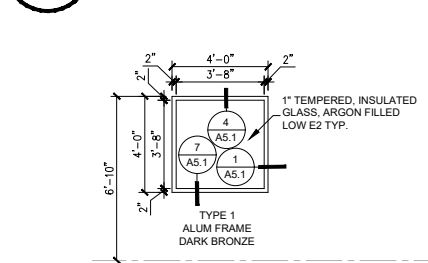
3 INTERIOR ELEVATION - SERVING KITCHEN

1/4" = 1'-0" ON 24 X 36 PAPER



4 DOOR FRAME ELEV.

1/4" = 1'-0" ON 24 X 36 PAPER

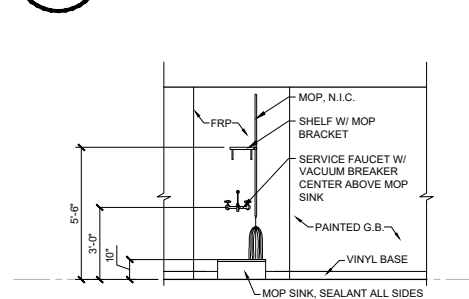


7 WINDOW FRAME ELEV.

1/4" = 1'-0" ON 24 X 36 PAPER

5 DOOR PANEL ELEVATIONS

1/4" = 1'-0" ON 24 X 36 PAPER



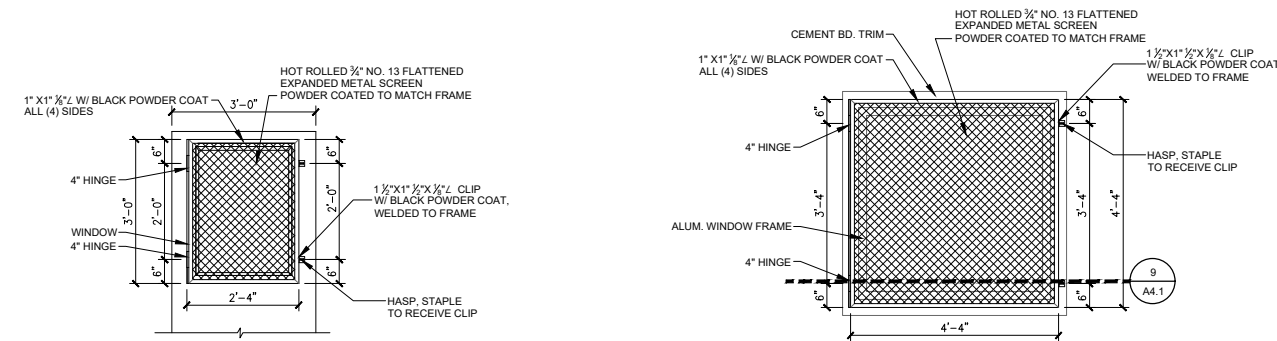
8 MECHANICAL ROOM

1/4" = 1'-0" ON 24 X 36 PAPER

WINDOW SCHEDULE						
WDW NO.	LOCATION	HOLLOW METAL FRAME	ROUGH OPENING W x H	HEADER HEIGHT	HEADER MTL.	COMMENTS
W101	WARMING/MEETING	TYPE 1	4'-0 1/4" X 4'-0 1/4"	6'-10 1/2"	SEE STRUCT.	FIXED UNIT
W102	WARMING/MEETING	TYPE 1	4'-0 1/4" X 4'-0 1/4"	6'-10 1/2"	SEE STRUCT.	FIXED UNIT
W103	WARMING/MEETING	TYPE 1	4'-0 1/4" X 4'-0 1/4"	6'-10 1/2"	SEE STRUCT.	FIXED UNIT
W104	WARMING/MEETING	TYPE 1	4'-0 1/4" X 4'-0 1/4"	6'-10 1/2"	SEE STRUCT.	FIXED UNIT
NOTES: 1. SEE WINDOW ELEV. FOR GLASS TYPE 2. ALUMINUM WINDOW FRAMES TO BE DARK BRONZE						

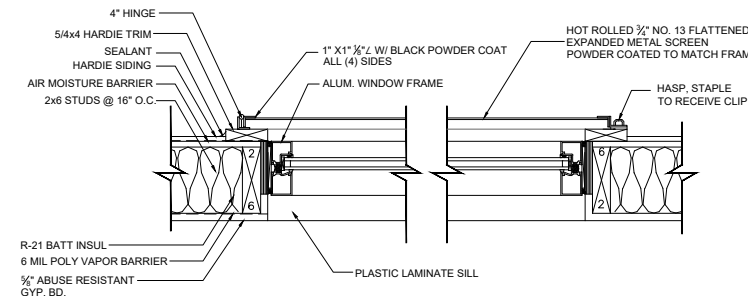
DOOR SCHEDULE								
DOOR NO	LOCATION	FRAME TYPE	DOOR TYPE	ROUGH OPENING W x H	HEADER HEIGHT	HEADER MATERIAL	HARDWARE GROUP	COMMENTS
D101	WARMING/MEETING	TYPE 1	DOOR 1	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	1	INSULATED
D102	KITCHEN	TYPE 1	DOOR 3	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	6	
D103	KITCHEN	TYPE 1	DOOR 2	3'-2" X 6'-10 1/2"	6'-10 1/2"	SEE STRUCT.	4	INSULATED
D104	STORAGE	TYPE 1	DOOR 2	3'-2" X 6'-10 1/2"	6'-10 1/2"	SEE STRUCT.	4	INSULATED
D105	STORAGE	TYPE 1	DOOR 3	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	6	
D106	WARMING/MEETING	TYPE 1	DOOR 1	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	1	INSULATED
D107	WOMEN'S RESTROOM	TYPE 1	DOOR 3	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	2	
D108	WOMEN'S RESTROOM	TYPE 1	DOOR 2	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	3	INSULATED
D109	MECHANICAL ROOM	TYPE 1	DOOR 2	3'-2" X 6'-10 1/2"	6'-10 1/2"	SEE STRUCT.	5	INSULATED
D110	MECHANICAL ROOM	TYPE 1	DOOR 3	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	7	
D111	MEN'S RESTROOM	TYPE 1	DOOR 3	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	2	
D112	MEN'S RESTROOM	TYPE 1	DOOR 2	3'-2" X 6'-11 1/4"	6'-11 1/4"	SEE STRUCT.	3	INSULATED
NOTES: 1. DOOR HARDWARE TO BE LEVER TYPE HARDWARE (NOT REQUIRING TIGHT GRASPING, PINCHING, OR TURNING OF THE WRIST) 2. SEE PLAN FOR DOOR SIZES, SWING, & FUNCTION 3. VERIFYING KEYING W/ OWNER 4. SEE SPEC FOR HARDWARE FINISH 5. HOLLOW METAL DOOR & FRAME COLOR TO BE CHOSEN BY OWNER 6. PROVIDE SUBMITTAL FOR ALL FINISH MATERIALS. OWNER/ARCHITECT TO CHOOSE COLOR FROM MANUFACTURER STANDARDS, IF NOT SPECIFIED								

FINISH SCHEDULE													
ROOM NAME	FLOOR	BASE	WALLS										COMMENTS
			NORTH		EAST		SOUTH		WEST		CEILING		
			MAT L	FINISH	MAT L	FINISH	MAT L	FINISH	MAT L	FINISH	MAT L	FINISH	
WARMING/MEETING	RUBBER	VB	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	
SERVING KITCHEN	PAINT	VB	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	
OUTDOOR SEATING	SLD. CONC.	NA	NA	NA	NA	NA	NA	NA	NA	NA	WOOD	STAIN	T&G PINE CEILING, VERIFY STAIN COLOR W/ OWNER
STORAGE	SLD. CONC.	VB	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	
WOMEN'S RESTROOM	RUBBER	VB	FRP/GYP.	PAINT	FRP/GYP.	PAINT	FRP/GYP.	PAINT	FRP/GYP.	PAINT	GYP	PAINT	
MECHANICAL ROOM	SLD. CONC.	VB	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	GYP	PAINT	FRP BEHIND MOP SINK
MEN'S RESTROOM	RUBBER	VB	FRP/GYP.	PAINT	FRP/GYP.	PAINT	FRP/GYP.	PAINT	FRP/GYP.	PAINT	GYP	PAINT	
NOTES:													
1. SEAL ALL EXPOSED CONCRETE FLOORS													
2. ALL GYP. BOARD WALLS TO HAVE A SMOOTH FINISH													
3. ALL GYP. BOARD CEILINGS TO HAVE A KNOCKDOWN FINISH													
4. PROVIDE ALL NECESSARY TRIMS FOR FINISHED EDGE ON ALL FRP.													
5. VERIFY ALL FINISH MATERIALS & COLORS WITH OWNER/ARCHITECT.													
6. VERIFY ALL PAINT COLORS AND SHEENS WITH OWNER/ARCHITECT.													
7. ALL FRP TO BE INSTALLED OVER SMOOTH BCX PLYWOOD													
8. PROVIDE SUBMITTAL FOR ALL FINISH MATERIALS. OWNER/ARCHITECT TO CHOOSE COLOR FROM MANUFACTURER STANDARDS													
ABBREVIATIONS:													
OPT. = CARPET													
CONC. = CONCRETE													
FRP = FIBERGLASS REINFORCED PLASTIC													
GYP. = GYPSUM BOARD													
NA. = NOT APPLICABLE													
SLD. = SEALED													
VB. = VINYL BASE													



6 WINDOW MESH PROTECTION

1/2" = 1'-0" ON 24 X 36 PAPER



9 WINDOW MESH PROTECTION SECTION

1 1/2" = 1'-0" ON 24 X 36 PAPER



TWM ARCHITECTURE
218-821-6780

wsb

WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: TWM
PLAN BY: EAS
CHECK BY: TWM

REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	

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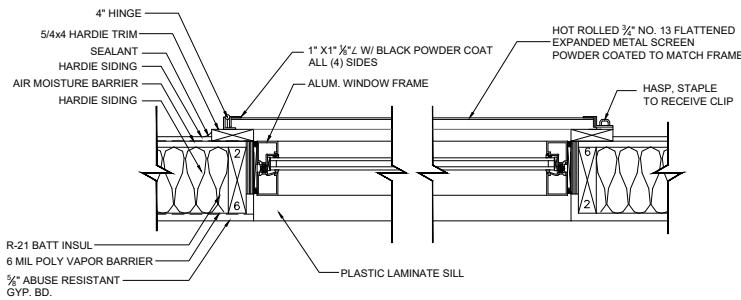
MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

INTERIOR
ELEVATIONS &
SCHEDULES

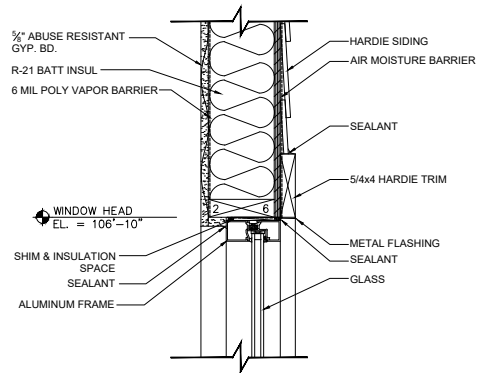
SHEET

A4.1



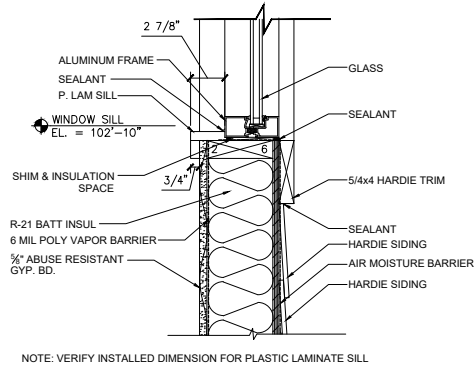
1 ALUM. WDW.- JAMB DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



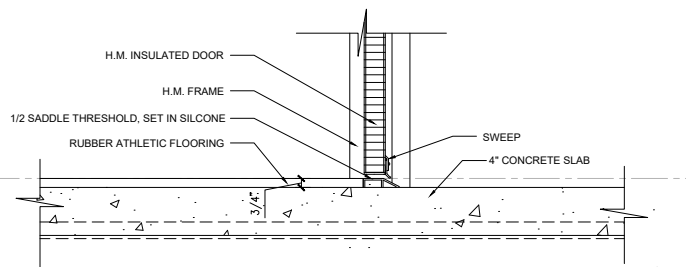
4 ALUM. WDW.- HEAD DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



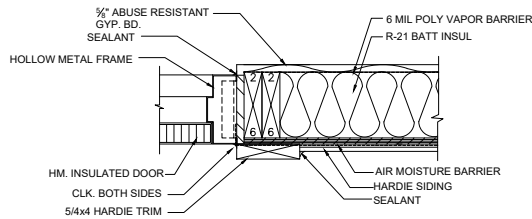
7 ALUM. WDW.- SILL DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



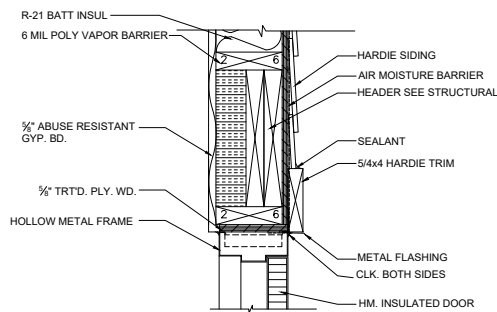
10 H.M. DOOR THRESHOLD DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



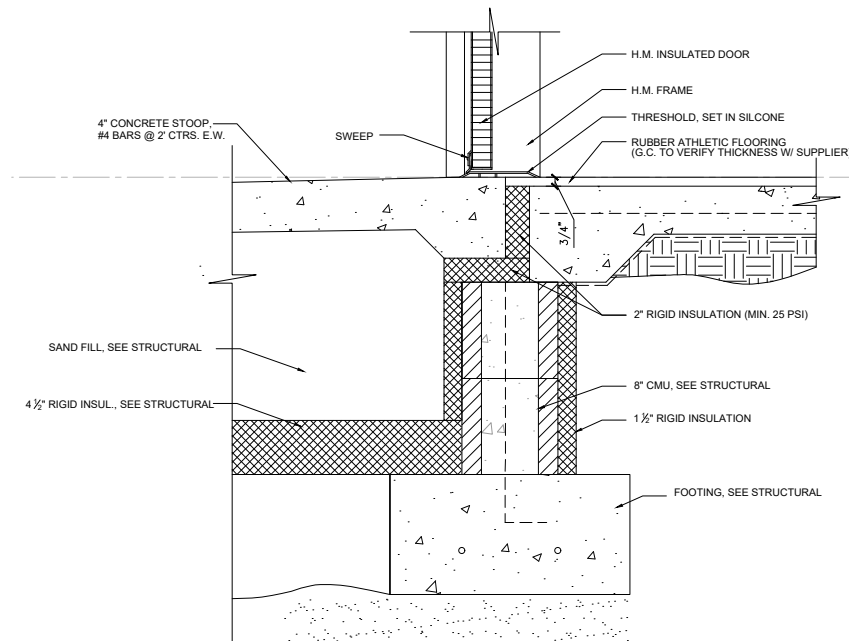
2 H.M. DOOR.- JAMB DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



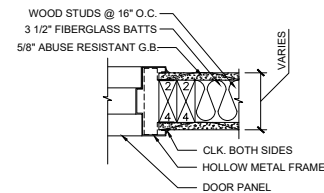
5 H.M. DOOR.- HEAD DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



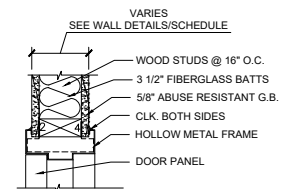
8 H.M. DOOR THRESHOLD DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



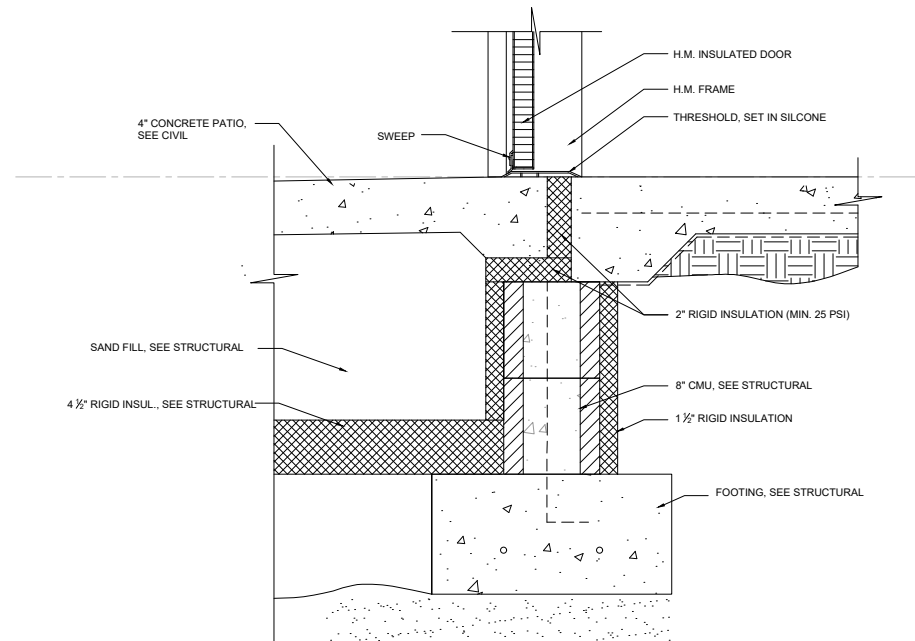
3 H.M. DOOR.- JAMB DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



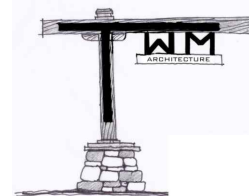
6 H.M. DOOR.- HEAD DTL.

1 1/2" = 1'-0" ON 24 X 36 PAPER



9 DOOR THRESHOLD DETAIL

1 1/2" = 1'-0" ON 24 X 36 PAPER



TWM ARCHITECTURE
218-821-6780

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Travis Miller
TRAVIS MILLER

DATE: 7-31-2020 LIC. NO.: 45743

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

DOOR DETAILS

SHEET

A5.1

- DESIGN LOADS**
- A. SNOW LOADS:
- GROUND SNOW LOAD, $P_g = 60$ PSF
 - ROOF SNOW LOAD, $P_f = 46.2$ PSF @ HEATED
 $P_f = 50.4$ PSF @ UNHEATED
 - THERMAL FACTOR, $C_t = 1.1$ @ HEATED
 $C_t = 1.2$ @ UNHEATED
 - EXPOSURE FACTOR, $C_e = 1.0$
 - IMPORTANCE FACTOR, $I = 1.0$
 - UNBALANCED SNOW LOAD: PER ASCE 7
- B. WIND LOAD:
- WIND SPEED: 115 MPH
 - EXPOSURE CATEGORY C
 - INTERNAL COEFFICIENT, $G_{cpi} = +/- 0.18$
- C. FLOOR LIVE LOAD (REDUCED AS APPLICABLE PER THE IBC)
- EXIT 100 PSF
- D. ROOF TRUSS LOADING
- TOP CHORD DEAD LOAD 10 PSF
 - BOTTOM CHORD DEAD LOAD 10 PSF
 - TOP CHORD LIVE LOAD VARIES, SEE SNOW LOAD

- CODES**
- A. STATE OF MINNESOTA BUILDING CODE - 2020
- MISCELLANEOUS**
- A. PLACEMENT OF ALL MECHANICAL UNITS AND SPECIALIZED EQUIPMENT IS SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
- B. THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE START OF ANY WORK. THE CONTRACTOR IS TO REPORT TO THE STRUCTURAL ENGINEER OF RECORD ANY AND ALL CONFLICTS IN THE CONSTRUCTION DOCUMENTS AND/OR THE ACTUAL CONSTRUCTED CONDITIONS IMMEDIATELY.
- C. UNLESS SPECIFICALLY NOTED, NO PROVISIONS HAVE BEEN MADE IN THE STRUCTURAL DOCUMENTS FOR FUTURE EXPANSION OR ADDITION. THE STRUCTURAL MEMBERS HAVE BEEN DESIGNED FOR THEIR FINAL IN PLACE LOADS ONLY (SEE "DESIGN LOADS").
- D. THE CONTRACTOR IS RESPONSIBLE FOR BRACING ALL STRUCTURAL ELEMENTS, WITHOUT OVERSTRESSING, AS REQUIRED UNTIL THE ENTIRE PROJECT IS COMPLETE. STOCKPILING OF ANY MATERIALS ON THE STRUCTURAL ELEMENTS IS AT THE CONTRACTOR'S OWN RISK. THE CONTRACTOR SHALL MEASURE ALL ROUGH OPENINGS IN WALLS AFTER THE DEAD LOAD ABOVE THEM IS IN PLACE. ALL WINDOW DESIGNS SHALL ACCOMMODATE A 1/2" LIVE LOAD DEFLECTION.
- F. THE GENERAL CONTRACTOR SHALL REPORT ALL NON-CONFORMING TEST REPORTS TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW BEFORE PROCEEDING FURTHER WITH THE AFFECTED WORK. ALL LOADS AND REACTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SERVICE (WORKING) LOADS. UNLESS NOTED OTHERWISE, ANCHOR BOLTS SHALL NOT BE REPAIRED, REPLACED, OR FIELD MODIFIED WITHOUT THE REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

- SOILS**
- A. ALL FOOTINGS ARE DESIGNED FOR AN ALLOWABLE NET SOIL BEARING PRESSURE OF 2000 PSF (ASSUMED). THE ALLOWABLE SOIL BEARING PRESSURE IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER.
- B. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL COMPACTED TO AT LEAST 98% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH ASTM D698 TO PROVIDE THE LISTED DESIGN SOIL BEARING VALUE.
- C. WALL FOOTINGS ARE CENTERED ON WALLS AND COLUMN FOOTINGS ARE CENTERED ON COLUMNS UNLESS NOTED OTHERWISE.
- D. SOIL IMPROVEMENT AND FILL PLACEMENT ARE TO BE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE AND THE SOILS REPORT, AS APPLICABLE.
- E. CONSTRUCTION DETAILS FOR ALL SLABS-ON-GRADE SHALL BE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE AND THE SOILS REPORT, AS APPLICABLE.
- F. PROVIDE FOUNDATION DRAINAGE IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE, THE CODE, AND THE SOILS REPORT, AS APPLICABLE. FOUNDATION DRAINAGE IS THE RESPONSIBILITY OF OTHERS.
- G. PROVIDE FOUNDATION INSULATION IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE, THE CODE, AND THE SOILS REPORT, AS APPLICABLE. FOUNDATION INSULATION IS THE RESPONSIBILITY OF OTHERS.
- H. PROVIDE FOUNDATION WATER-PROOFING AND/OR DAMP-PROOFING IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE, THE CODE, AND THE SOILS REPORT, AS APPLICABLE. FOUNDATION WATER-PROOFING AND/OR DAMP-PROOFING IS THE RESPONSIBILITY OF OTHERS.
- I. PROVIDE UTILITY CONNECTIONS IN ACCORDANCE WITH THE SOIL REPORT.

- CAST-IN-PLACE CONCRETE**
- A. CODES - LATEST EDITION UNLESS NOTED OTHERWISE:
- ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS"
- ACI 305 "RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING"
- ACI 306 "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETING"
- ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES"
- ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK"
- ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE"
- ACI 117 "STANDARD TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
- B. MATERIAL PROPERTY SPECIFICATIONS:
- PORTLAND CEMENT - ASTM C150 TYPE 1
 - FINE AGGREGATE - ASTM C33
 - COARSE AGGREGATE - ASTM C33
 - READY MIX CONCRETE - ASTM C94
 - REINFORCING BARS - ASTM A615
- C. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F'_c) AT 28 DAYS SHALL BE:
- STRIP FOOTINGS 3000 PSI
 - SPREAD FOOTINGS 3000 PSI
 - INTERIOR SLABS-ON-GRADE 4000 PSI
 - EXTERIOR SLABS 4500 PSI

REINFORCEMENT CONCRETE COVER	
LOCATION	MINIMUM COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
BARs EXPOSED TO WEATHER OR EARTH (#6 THROUGH #18 BARS)	2"
BARs EXPOSED TO WEATHER OR EARTH (#5 BARS AND SMALLER)	1½"
SLABS, WALL AND JOISTS NOT EXPOSED TO WEATHER OR EARTH (#14 & #18 BARS)	1½"
SLABS, WALL AND JOISTS NOT EXPOSED TO WEATHER OR EARTH (#11 BARS AND SMALLER)	¾"
BEAMS & COLUMNS NOT EXPOSED TO WEATHER OR EARTH	1½"

- CAST-IN-PLACE CONCRETE - CONTINUED**
- D. CONCRETE MIX DESIGNS:
- THE CONTRACTOR SHALL EMPLOY THE SERVICES OF AN INDEPENDENT TESTING LABORATORY OR READY MIX SUPPLIER TO DESIGN CONCRETE MIXES FOR EACH TYPE OF CONCRETE REQUIRED. THE MIX DESIGN SHALL BE DESIGNED AND PROPORTIONED TO MEET THE REQUIREMENTS OF THE MINIMUM DESIGN STRENGTH, AS WELL AS PLACEMENT, USE, AND SERVICEABILITY. THE MIX DESIGNS SHALL BE SUBMITTED TO THE OWNER AND THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL AT LEAST 14 DAYS PRIOR TO ANY CONCRETE PLACEMENT.
 - THE USE OF ALL ADMIXTURES IS TO BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THEIR USE.
 - ALL EXTERIOR SLAB WORK SHALL HAVE 6% +/- 1% AIR ENTRAINMENT WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45.
- E. REINFORCING MATERIALS:
- ALL REINFORCING BARS SHALL BE GRADE 60 (60 KSI YIELD STRENGTH), UNLESS NOTED OTHERWISE.
- F. REINFORCING PLACEMENT:
- PROVIDE ADDITIONAL REINFORCING AROUND ALL SIDES OF ANY SLAB OR WALL OPENINGS GREATER THAN 24" IN ANY DIRECTION EQUAL TO A MINIMUM OF (2) #5 BARS. EXTEND THE REINFORCEMENT A MINIMUM OF 2'-0" BEYOND THE EDGES OF THE OPENINGS.
 - PLACE ALL REINFORCING IN ACCORDANCE WITH THE DETAILING STANDARDS OF ACI 315. THE REINFORCING SUPPLIER SHALL PROVIDE ALL ACCESSORIES NEEDED TO SUPPORT AND SECURE ALL REINFORCING ADEQUATELY.
 - PROVIDE CONCRETE COVER IN ACCORDANCE WITH ACI 318.
 - ALL BAR SPLICES SHALL BE LAP TYPE AND ARE TO MEET THE MINIMUM LAP LENGTHS NOTED IN THE "CONCRETE REBAR DEVELOPMENT AND LAP SPLICE LENGTH" TABLE ON S1.0.

- G. CONCRETE PLACEMENT:
- THE OWNER, AT HIS EXPENSE, SHALL RETAIN THE SERVICES OF AN INDEPENDENT TESTING FIRM TO PERFORM FIELD TESTS OF THE CONCRETE. EACH TYPE OF CONCRETE USED SHALL BE TESTED EACH DAY WITH A MINIMUM OF ONE TEST FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED. EACH TEST SHALL CONSIST OF THREE CYLINDERS, TAKEN AND TESTED IN ACCORDANCE WITH ASTM C39 FOR STRENGTH, ASTM C143 FOR SLUMP, AND ASTM C231 OR ASTM C173 FOR AIR CONTENT. ANY CONCRETE WHICH DOES NOT MEET THE REQUIREMENTS OF THE MIX DESIGN SHALL NOT BE ALLOWED TO BE PLACED.
 - ALL CONCRETE TEST REPORTS SHALL BE SUBMITTED TO THE OWNER.
 - NO WATER SHALL BE ADDED TO THE CONCRETE IN THE FIELD UNLESS AUTHORIZED BY A REPRESENTATIVE OF THE STRUCTURAL ENGINEER OF RECORD. THE AMOUNT OF ANY WATER ADDED SHALL BE RECORDED ON ALL COPIES OF THE DELIVERY TICKET. CONCRETE WITH WATER ADDED IN THE FIELD SHALL HAVE AN ADDITIONAL MIXING OF 30 DRUM REVOLUTIONS BEFORE PLACEMENT.
 - CONCRETE SHALL BE DISCHARGED WITHIN 15 HOURS OF ITS BATCH TIME. ALLOWANCES FOR HOT WEATHER SHALL BE TAKEN AS REQUIRED. THE CONTRACTOR SHALL TIMELY COORDINATE WITH THE CONCRETE SUPPLIER TO OBTAIN A MODIFIED MIX SO THAT CONCRETE PLACEMENT IS COMPLETED PRIOR TO STIFFENING.
 - SLABS-ON-GRADE ARE TO BE POURED IN A STRIP PATTERN WITH CONTROL JOINTS AS INDICATED ON THE STRUCTURAL DRAWINGS. BEFORE PLACING CONCRETE, THE CONTRACTOR SHALL THOROUGHLY WET THE GRAVEL OR SAND BASE AND COMPACT IT TO A SOLID FIRM CONDITION. PLACE REINFORCING, IF REQUIRED, AT THE ELEVATION WITHIN THE SLAB SHOWN ON THE DRAWINGS.
 - PROTECT ALL CONCRETE FROM PREMATURE DRYING AND WASH BY RAIN.
 - ALL CONCRETE FLOORS SHALL BE SCREED TO AN EVEN AND LEVEL PLANE, FLOATED, AND GIVEN A TROWELED FINISH AS SPECIFIED IN ACI 310, SECTION 11.7.3. SLOPE THE FLOOR TO ANY DRAINS OR VALLEYS AS INDICATED ON THE ARCHITECTURAL PLANS. THE FINISHED SURFACE SHALL MEET THE FLATNESS CRITERIA OF $F_l = 25$ AND $F_w = 20$.
 - ALL CONCRETE FLOOR FINISHES SHALL BE COVERED WITH A LAYER OF 4 MIL PLASTIC. THE COVERING SHALL BE PLACED AS SOON AS POSSIBLE WITHOUT MARRING THE SURFACE AND SHALL BE LEFT IN-PLACE NOT LESS THAN SEVEN DAYS. THE COVERING SHALL BE SECURELY ANCHORED IN-PLACE WITH SAND PLACED CONTINUOUSLY AROUND THE SLAB EDGES AND AT INTERMEDIATE POINTS AS NECESSARY.
 - SAW CUTTING OF THE CONTROL JOINTS IS TO BE COMPLETED AFTER THE SLAB HAS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT RAVELING, BUT BEFORE RANDOM CRACKING OCCURS. INSTALL JOINT SEALANT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - DO NOT PLACE CONCRETE ON FROZEN GROUND, SNOW, OR FROST OR IN FORMS CONTAINING SNOW OR FROST.
 - ALL CONCRETE IS TO BE COMPACTED DURING PLACEMENT WITH INTERNAL VIBRATORS AT A MINIMUM OF 8000 VPM. THE CONTRACTOR IS TO PROTECT THE CONCRETE AGAINST SEGREGATION AND OVER-VIBRATION.

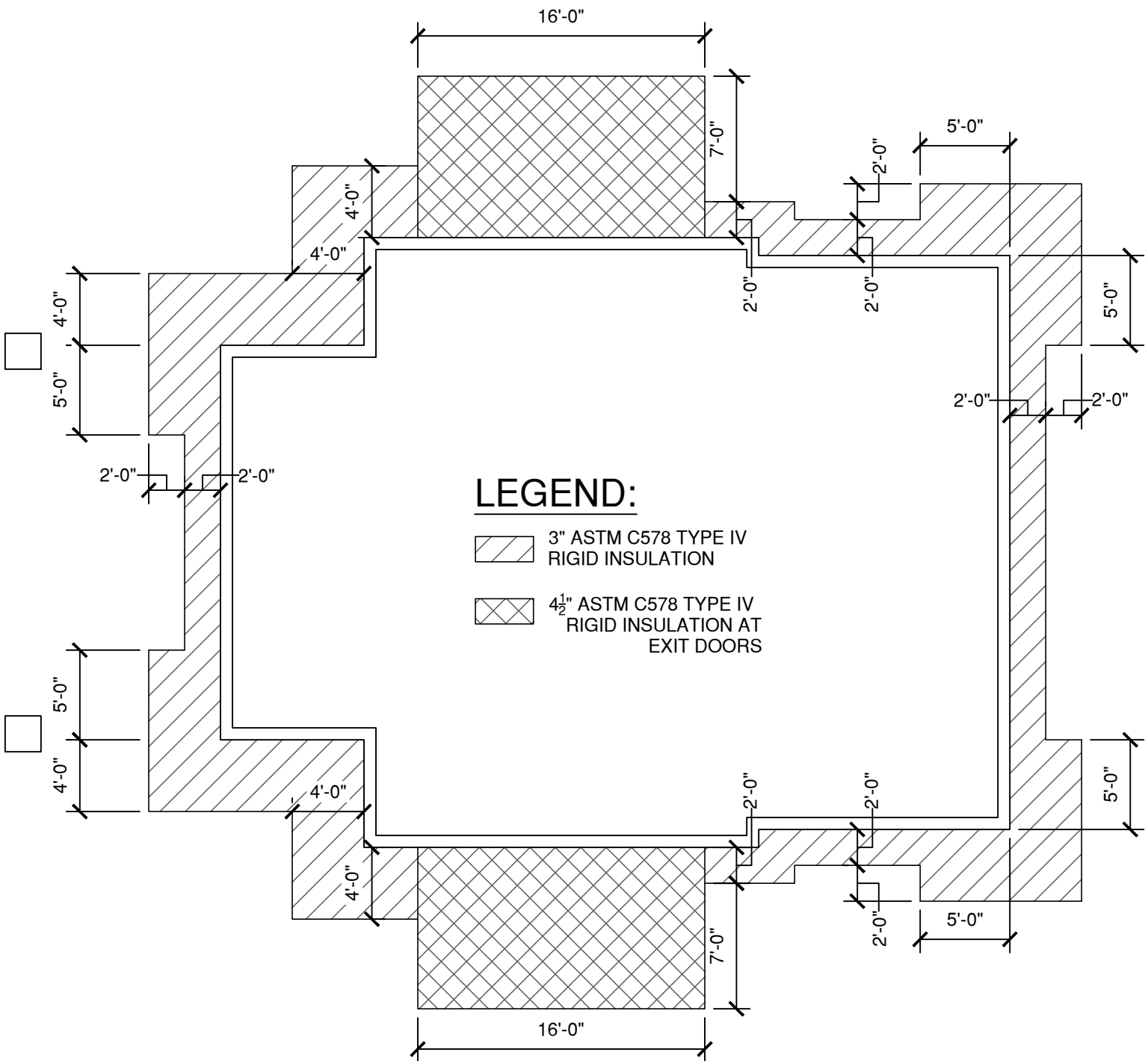
CONCRETE REINFORCEMENT DEVELOPMENT AND LAP SPLICE LENGTH			
BAR SIZE	$F'_c = 3000$ PSI	$F'_c = 4000$ PSI	$F'_c = 4500$ PSI
#3	17"	15"	14"
#4	22"	19"	18"
#5	28"	24"	23"
#6	33"	29"	27"
#7	48"	42"	40"
#8	55"	48"	45"
NOTES: 1. BAR COVER IS TO BE GREATER THAN BAR DIAMETER, BUT NOT LESS THAN ¾". 2. BAR SPACING IS TO BE GREATER THAN 2 BAR DIAMETERS. 3. BASED ON STEEL OF $F_y = 60,000$ PSI AND NORMAL WEIGHT CONCRETE.			

MASONRY REBAR LAP SPLICE LENGTH	
BAR SIZE	LAP SPLICE
#3	18"
#4	24"
#5	30"
#6	36"
#7	42"
#8	48"
NOTES: 1. SMALLER LAP SPLICE IS TO BE USED WHEN DIFFERENT BAR SIZES ARE SPLICED. 2. BASED ON STEEL OF $F_y = 60,000$ PSI AND $F_m = 1500$ PSI OR GREATER. 3. INCREASE LAP LENGTH BY 25% FOR EPOXY COATED BARS.	

- MASONRY**
- A. DESIGN CODES:
- ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES."
 - ACI 530.1 "SPECIFICATION FOR MASONRY STRUCTURES."
- B. CONCRETE MASONRY MATERIALS - HOLLOW BLOCK PER ASTM C90, GRADE N, $F_m = 1500$ PSI. GROUT AND REINFORCE WALLS AND PILASTERS AS NOTED ON THE DRAWINGS.
- C. MASONRY MORTAR - MIXED PER ASTM C270
- TYPE "S" FOR BELOW GRADE
- D. MASONRY GROUT - $F'_c = 3000$ PSI, MAXIMUM AGGREGATE SIZE = 3/8", AND SLUMP = 10" +/-1".
- E. REINFORCE ALL MASONRY WALLS WITH STANDARD TRUSS TYPE HOHMANN & BARNARD 120 (OR EQUIVALENT) EVERY OTHER COURSE AND AS RECOMMENDED BY THE MANUFACTURER. JOINT REINFORCING SHALL BE LAPPED A MINIMUM OF SIX INCHES AT ALL SPLICE LOCATIONS. FILL ALL MASONRY BOND BEAMS WITH GROUT AND REINFORCE WITH TWO #5 CONTINUOUS HORIZONTAL BARS. BOND BEAM REINFORCEMENT IS TO BE LAPPED AROUND ALL WALL CORNERS AND INTERSECTIONS UNLESS NOTED OTHERWISE.
- G. ALL OPENING JAMBS AND CORES CONTAINING VERTICAL REINFORCING STEEL ARE TO BE GROUTED SOLID FULL HEIGHT.
- H. ALL MASONRY GROUTING SHALL BE DONE USING LOW LIFT GROUTING TECHNIQUES. GROUT LIFTS ARE NOT TO EXCEED 5'-0" IN HEIGHT.
- I. VERTICAL REINFORCING BARS ARE TO BE CENTERED IN WALLS, UNLESS NOTED OTHERWISE.
- J. ALL BAR SPLICES SHALL BE LAP TYPE AND ARE TO MEET THE MINIMUM LAP LENGTHS NOTED IN THE "MASONRY REBAR LAP SPLICE LENGTH" TABLE ON S1.0.
- K. THE OWNER, AT HIS OWN EXPENSE, SHALL RETAIN THE SERVICES OF AN INDEPENDENT SPECIAL INSPECTOR TO PROVIDE INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 530 TABLE 1.19.2 - LEVEL B. THE FOLLOWING ITEMS ARE TO BE INSPECTED AT THE INTERVAL SHOWN:
- | ITEM | CONTINUOUS | PERIODIC |
|---------------------------------|------------|----------|
| GROUT PLACEMENT | X | |
| MORTAR & GROUT PROPORTIONS | | X |
| MORTAR JOINT CONSTRUCTION | | X |
| REINFORCEMENT INSTALLATION | | X |
| BLOCK SIZE & LOCATION | | X |
| ANCHOR INSTALLATION | | X |
| WEATHER PROTECTION OF MASONRY | | X |
| GENERAL CONSTRUCTION TECHNIQUES | | X |

CONTINUOUS INSPECTION IS DEFINED AS OBSERVATION DURING THE ENTIRE COURSE OF THE WORK BEING INSPECTED. PERIODIC INSPECTION IS DEFINED AS SEMI-WEEKLY OBSERVATION. AS A MINIMUM, PERIODIC INSPECTIONS ARE TO BE PERFORMED PRIOR TO THE START OF, DURING, AND AFTER EACH PHASE OF THE WORK BEING INSPECTED.

MASONRY REBAR DEVELOPMENT LENGTH		
BAR SIZE	CENTERED	2" CLEAR COVER
#3	16"	16"
#4	20"	26"
#5	26"	40"
#6	40"	74"
#7	53"	101"
#8	80"	152"
NOTES: 1. BASED ON $F_y = 60,000$ PSI AND $F_m = 1500$ PSI OR GREATER. 2. INCREASE LAP LENGTH BY 25% FOR EPOXY COATED BARS.		



1 S1.0 SHALLOW FROST PROTECTION PLAN

SCALE: NTS

- WOOD**
- A. ALL WOOD CONSTRUCTION IS TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CODE AND THE FOLLOWING:
- AMERICAN PLYWOOD ASSOCIATION (APA)
 - APA - THE ENGINEERED WOOD ASSOCIATION
 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS)
 - WESTERN WOOD PRODUCTS ASSOCIATION
 - US PRODUCTS STANDARD PS 20
 - NATIONAL LUMBER AND BUILDING MATERIAL DEALERS ASSOCIATION (NLBA)
 - AMERICAN WOOD PROTECTION ASSOCIATION (AWPA)
- B. NAIL ALL WOOD MEMBERS IN ACCORDANCE WITH IBC TABLE 2304.9.1, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
- C. ALL WOOD MEMBERS SHALL BE AS FOLLOWS, IN ACCORDANCE WITH THE PROPERTIES OF THE NDS:
- STUDS, BLOCKING, NAILERS, AND MISCELLANEOUS LUMBER SHALL BE SPRUCE-PINE-FIR (SPF) #2 GRADE OR BETTER
 - BEAMS AND HEADERS SHALL BE SPRUCE-PINE-FIR (SPF) #2 GRADE OR BETTER
 - COLUMNS ARE TO BE SOUTHERN YELLOW PINE #1 OR BETTER. LAMINATED VENEER LUMBER (LVL) SHALL BE $F_b = 2600$ PSI, $F_v = 285$ PSI, E=1,900,000 PSI
 - WOOD MEMBERS IN CONTACT WITH CONCRETE OR MASONRY OR EXPOSED TO WEATHER ARE TO BE PRESSURE TREATED SOUTHERN YELLOW PINE #2 GRADE OR BETTER
 - EXTERIOR PLYWOOD AND THAT USED FOR FORMWORK SHALL BE EXTERIOR GRADE OR SPECIAL FORM GRADE USING WATERPROOF GLUE
- D. USE NON-CORROSIVE AND NON-STAINING HARDWARE AND FASTENERS FOR ALL EXTERIOR APPLICATIONS.
- E. POSTS AND BEARING STUDS FOR BEAMS, HEADERS AND GIRDER TRUSSES ARE TO BE CONTINUOUS TO THE FOUNDATION.
- F. PLYWOOD SHEATHING SHALL BE STRUCTURAL II, C-C GRADE COMPLYING WITH THE REQUIREMENTS OF U.S. PRODUCTS STANDARD PS 1 AND THE PERFORMANCE STANDARDS OF THE APA.
- G. ALL BEAMS AND JOISTS NOT DIRECTLY BEARING ON SUPPORTING MEMBERS SHALL BE CONNECTED WITH A SIMPSON OR EQUIVALENT FRAMING HANGER. ALL COLUMNS SHALL BE ANCHORED TOP AND BOTTOM WITH A SIMPSON OR EQUIVALENT POST CAP/BASE.
- H. NAIL AND/OR BOLT TOGETHER ALL LAMS OF MULTIPLE LVL BEAMS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- I. SHEATHING SHALL BE AS FOLLOWS:
- PLYWOOD WALL AND ROOF SHEATHING SHALL BE APA RATED EXPOSURE 1 COMPLYING WITH THE REQUIREMENTS OF U.S. PRODUCTS STANDARDS PS 1. SEE PLAN FOR THICKNESS AND RATING.
 - PLYWOOD USED IN CONCRETE FORMS SHALL BE APA RATED OR HIGH DENSITY EXTERIOR OVERLAY. THE THICKNESS OF THE PLYWOOD IS TO BE IN ACCORDANCE WITH THE APA DESIGN GUIDE "CONCRETE FORMING, V345".
- J. WOOD TRUSSES ARE TO BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TRUSS PLATE INSTITUTE (TPI). THE TRUSS DESIGN AND SHOP DRAWINGS ARE TO BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. THE DESIGN AND SHOP DRAWINGS ARE TO BE SUBMITTED FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION. THE CALCULATIONS AND SHOP DRAWINGS ARE TO INCLUDE THE TRUSS LAYOUT AND DESIGN FOR EACH LOAD AND SPAN CONDITION. THE DRAWINGS SHALL ALSO INCLUDE THE TRUSS CONFIGURATIONS, WOOD GRADE, LOADING, MEMBER STRESSES, LIVE LOAD DEFLECTION, DEAD LOAD DEFLECTION, AND CAMBER REQUIREMENTS, IF ANY. ROOF TRUSSES SHALL BE LIMITED TO A LIVE LOAD DEFLECTION OF SPAN/240 AND SHALL BE CAMBERED FOR DEAD LOAD DEFLECTION.
- K. LATERALLY BRACE ALL TRUSSES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON THE STRUCTURAL DRAWINGS.
- L. PROVIDE A SIMPSON OR EQUIVALENT HOLD DOWN ANCHOR AT EACH ROOF TRUSS BEARING POINT, UNLESS NOTED OTHERWISE.

DRAWING LIST	
DESCRIPTION	DWG NO.
GENERAL NOTES	S1.0
FOUNDATION PLAN	S2.0
ROOF FRAMING PLAN	S3.0
FOUNDATION SECTIONS & DETAILS	S4.0
FRAMING SECTIONS & DETAILS	S5.0

SPECIAL INSPECTIONS				
IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING ITEMS WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 1700 OF THE INTERNATIONAL BUILDING CODE & THE GUIDELINES FOR SPECIAL INSPECTION & TESTING.				
TECHNICAL		DESCRIPTION	TYPE OF INSPECTOR	REMARKS
SECTION	ARTICLE			
1705	3	CONCRETE	SI-S, SI-T	CONCRETE COMPRESSIVE STRENGTH INSPECTION OF CONCRETE AND REINFORCEMENT PLACEMENT
1705	4	MASONRY	SI-T, SI-S	GROUT PLACEMENT, MORTAR & GROUT PROPORTIONS, MORTAR JOINT CONSTRUCTION, REINFORCEMENT INSTALLATION, BLOCK SIZE & LOCATION, ANCHOR INSTALLATION, WEATHER PROTECTION, & CONSTRUCTION TECHNIQUES, PRECAST ERECTION
1705	6	SOILS	SI-T	SOIL COMPACTION & VERIFICATION OF SOIL CAPACITY

ABBREVIATIONS:					
AB	-	ANCHOR BOLT	JT	-	JOINT
ADDNL	-	ADDITIONAL	K	-	KIP
ALT	-	ALTERNATE	LB(S)	-	POUND(S)
APPROX	-	APPROXIMATE	LL	-	LIVE LOAD
ARCH	-	ARCHITECT OR ARCHITECTURAL	LLV	-	LONG LEG VERTICAL
BLDG	-	BUILDING	LLH	-	LONG LEG HORIZONTAL
BLKG	-	BLOCKING	LONG	-	LONGITUDINAL
BM	-	BEAM	LVL	-	LAMINATED VENEER LUMBER
BRG	-	BEARING	MAX	-	MAXIMUM
BSMT	-	BASEMENT	MIN	-	MINIMUM
BTWN	-	BETWEEN	MISC	-	MISCELLANEOUS
CIP	-	CAST-IN-PLACE	MNFR	-	MANUFACTURER
CJ	-	CONTROL JOINT	MTL	-	METAL
ℓ	-	CENTERLINE	NS	-	NEAR SIDE
CLR	-	CLEAR	NTS	-	NOT TO SCALE
CMU	-	CONCRETE MASONRY UNIT	OC	-	ON CENTER
COL	-	COLUMN	OPNG	-	OPENING
CONC	-	CONCRETE	OPP	-	OPPOSITE
CONN	-	CONNECTION	OSB	-	ORIENTED STRAND BOARD
CONST	-	CONSTRUCTION	PERP	-	PERPENDICULAR
CONT	-	CONTINUE OR CONTINUOUS	PC	-	PRECAST
CONTR	-	CONTRACTOR	PL	-	PLATE (STEEL)
COORD	-	COORDINATE	PLF	-	POUNDS PER LINEAR FOOT
CSJ	-	CONSTRUCTION JOINT	PSI	-	POUNDS PER SQUARE INCH
CTR(D)	-	CENTER(ED)	PT	-	POINT
DBL	-	DOUBLE	QTY	-	QUANTITY
DIA	-	DIAMETER	REF	-	REFERENCE
DIAG	-	DIAGONAL	REINF	-	REINFORCEMENT
DIM	-	DIMENSION	REQ'D	-	REQUIRED
DL	-	DEAD LOAD	SCHED	-	SCHEDULE
DN	-	DOWN	SECT	-	SECTION
DTL(S)	-	DETAIL(S)	SIM	-	SIMILAR
DWG (S)	-	DRAWING(S)	SOG	-	SLAB-ON-GRADE
DWL(S)	-	DOWEL(S)	SP	-	SPACE
EA	-	EACH	SPECS	-	SPECIFICATIONS
EF	-	EACH FACE	STD	-	STANDARD
ELEV	-	ELEVATION	STIFF	-	STIFFENER
EMBED	-	EMBEDMENT	STL	-	STEEL
ENGR	-	ENGINEER	STR	-	STRUCTURAL
EQ	-	EQUAL	SYM	-	SYMMETRICAL
EQUIP	-	EQUIPMENT	T&B	-	TOP AND BOTTOM
EW	-	EACH WAY	TL	-	TOTAL LOAD
EX	-	EXISTING	TOB	-	TOP OF BEAM
EXP	-	EXPANSION	TOF	-	TOP OF FOOTING
EXT	-	EXTERIOR	TOP	-	TOP OF PIER
FND	-	FOUNDATION	TOS	-	TOP OF SLAB
FS	-	FAR SIDE	TOW	-	TOP OF WALL
FTG	-	FOOTING	TRANS	-	TRANSVERSE
FV	-	FIELD VERIFY	TYP	-	TYPICAL
GT	-	GIRDER TRUSS	UNO	-	UNLESS NOTED OTHERWISE
HORIZ	-	HORIZONTAL	VERT	-	VERTICAL
HT	-	HEIGHT	w/	-	WITH
INT	-	INTERIOR	WP	-	WORKING POINT

SCHIK
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wsb
WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: JPS
PLAN BY: KHH
CHECK BY: JPS

REVISIONS		DESCRIPTION	DATE	NO.
NO.	DATE			

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.

Jason Schik
Jason Schik
LIC. NO.: 47529
DATE: 07-31-20

MEMORIAL PARK REDEVELOPMENT PROJECT

CITY OF BRAINERD

GENERAL NOTES

SHEET
S1.0

REVISIONS

NO.	DATE	DESCRIPTION

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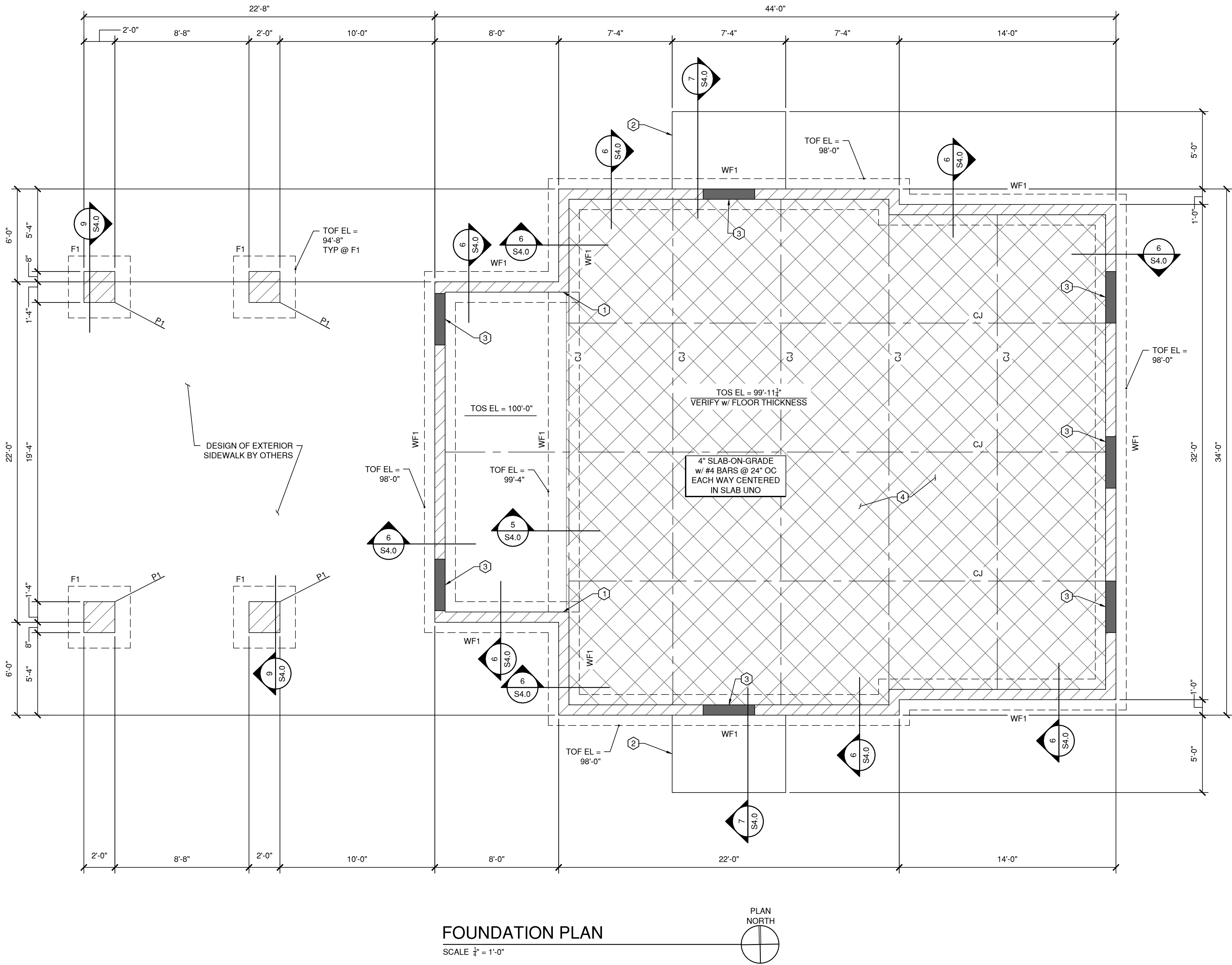
J. Schik
Jason Schik

DATE: 07-31-20 LIC. NO: 47529

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

FOUNDATION PLAN,
SECTIONS &
DETAILS



FOUNDATION NOTES

- TOP OF SLAB ELEVATION = 100'-0"=DATUM ELEVATION.
- ALL ANCHOR BOLTS ARE TO BE HOT-DIP GALVANIZED OR STAINLESS STEEL.
- SLAB-ON-GRADE IS TO BE PLACED ON A MINIMUM OF 6" OF GRANULAR FILL. SEE ARCHITECTURAL DRAWINGS FOR VAPOR BARRIER REQUIREMENTS.
- SEE 1/S4.0 AND 2/S4.0 FOR SLAB CONTROL AND CONSTRUCTION JOINT DETAILS.
- SEE 3/S4.0 FOR LAPPING OF HORIZONTAL REINFORCEMENT AT WALL CORNERS.
- STRIP FOOTINGS ARE CENTERED ON WALLS AND SPREAD FOOTINGS ARE CENTERED ON COLUMNS UNLESS NOTED OTHERWISE.
- TOP OF FOOTING ELEVATION = 98'-0" UNLESS NOTED OTHERWISE.
- VERIFY DOOR OPENING LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.
- CONTROL JOINTS FOR THE SLAB-ON-GRADE ARE TO BE SPACED AT A MAXIMUM OF 12'-0" ON CENTER IN A SQUARE PATTERN. LENGTH TO WIDTH RATIO NOT TO EXCEED 1.5:1.
- BUILDING IS TO BE HEATED TO 63°F PER ACSE 32-01 FOR SHALLOW FROST PROTECTION REQUIREMENTS.
- SEE 1/S1.0 FOR SHALLOW FROST PROTECTION PLAN.

KEY NOTES:

- THICKEN SLAB TO 2'-0" DEEP TO BEAR ON STRIP FOOTING SEE 11/S4.0
- INSULATED SLAB @ EXIT DOORS. SEE 1/S1.0 FOR INSULATION DIAGRAM.
- DOOR OPENING LOCATION IS FOR REFERENCE ONLY SEE ARCH FOR LOCATION
- LOWER TOP OF SLAB ELEVATION AT HATCHED AREA FOR FLOOR FINISHES. VERIFY FLOOR ELEVATION WITH FLOOR SUPPLIER.

FOUNDATION PLAN LEGEND:

- CMU FOUNDATION WALL
- FOUNDATION WALL AT DOORS - TOW EL = 99'-4"
- FOOTING NOTATION - SEE SCHEDULE

FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
F1	4'-0"x4'-0"x1'-0"	(4) #5 BARS EW
WF1	2'-0"xCONTx1'-0"	(2) #5 HORIZ BARS

PIER SCHEDULE

MARK	DETAIL	REMARKS
P1	9/S4.0 & 10/S4.0	-

REVISIONS

NO.	DATE	DESCRIPTION

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Jason Schik
Jason Schik

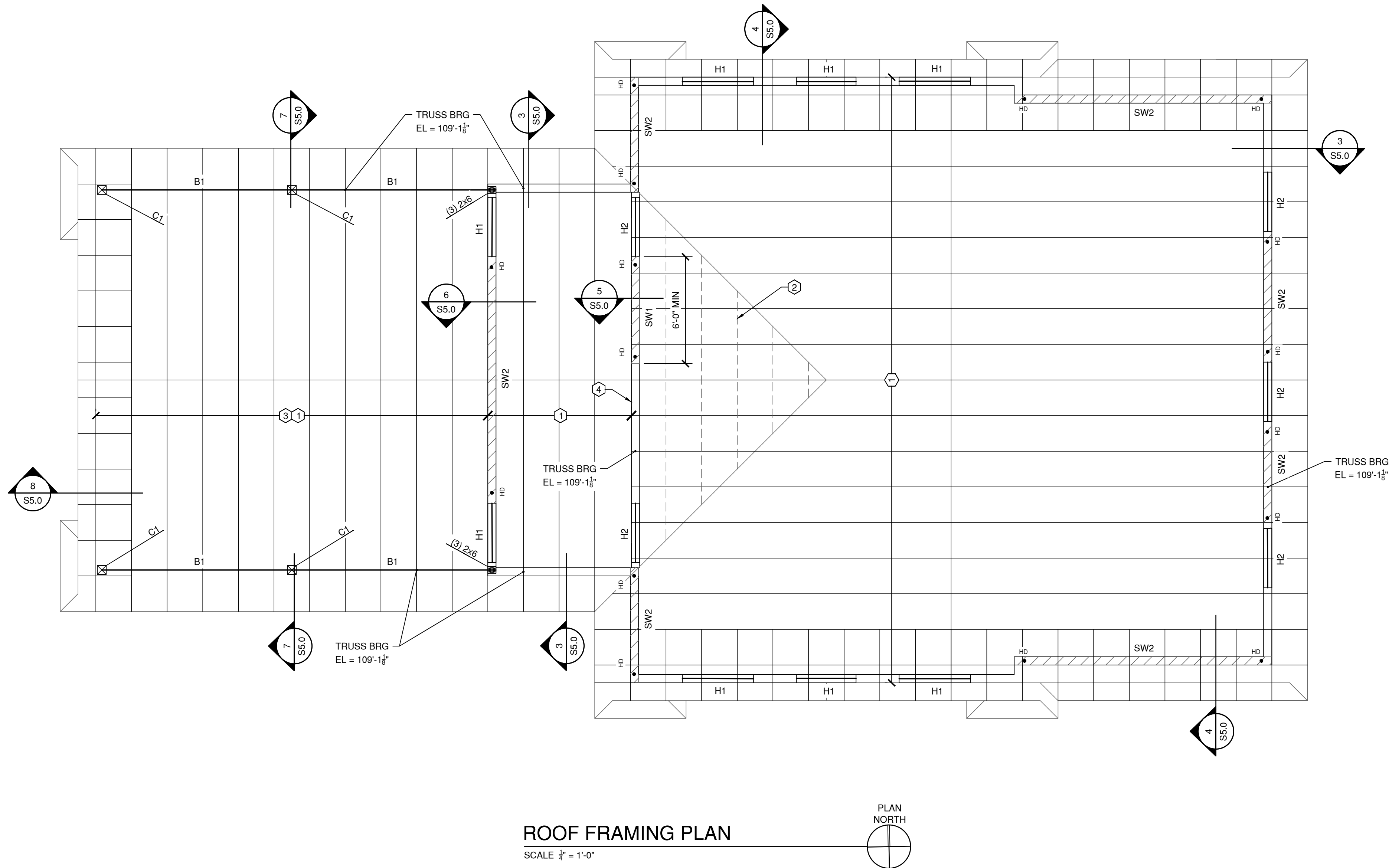
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MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

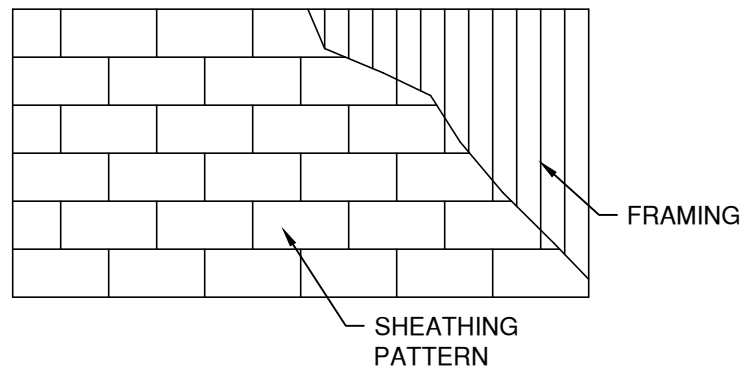
ROOF FRAMING
PLAN

SHEET
S3.0



FRAMING NOTES:

- EXTERIOR WALLS:
 - 2x6 SPF NO. 2 GRADE STUDS AT 16" ON CENTER
 - (2) 2x6 SPF NO. 2 GRADE TOP PLATE
- INTERIOR BEARING WALLS UNO:
 - 2x6 SPF NO. 2 GRADE STUDS AT 12" ON CENTER
 - (2) 2x6 SPF NO. 2 GRADE TOP PLATE
- ALL DOUBLE TOP PLATES ARE TO BE CONTINUOUS WITH STAGGERED SPLICES. TOP PLATES ARE TO BE SPLICED AT STUD LOCATIONS. SEE 2/S5.0.
- ALL FRAMING MEMBERS ARE TO BE SPF NO. 2 GRADE UNLESS NOTED OTHERWISE.
- GANG/BEARING STUDS ARE TO BE FASTENED TOGETHER WITH 16d NAILS AT 6" ON CENTER STAGGERED.
- EXTERIOR WALLS ARE TO BE SHEATHED WITH $\frac{7}{16}"$ APA RATED PLYWOOD OR OSB FASTENED WITH 8d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.
- VERIFY THE LOCATION OF ALL WINDOW AND DOOR OPENINGS WITH THE ARCHITECTURAL DRAWINGS.
- ALL TRUSS BEARING ELEVATIONS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS.
- THE ROOF IS TO BE SHEATHED WITH $\frac{5}{8}"$ APA RATED 32/16 MIN PLYWOOD OR OSB AND IS TO BE FASTENED WITH 10d NAILS AT 4" OC AT ALL SUPPORTS.



KEY NOTES:

- PRE-ENGINEERED ROOF TRUSSES @ 24" ON CENTER MAX
- OVERFRAMING BY TRUSS SUPPLIER @ 24" OC MAX
- ROOF TRUSSES TO BE DESIGNED FOR SNOW LOAD OF 50.4 PSF
- FRAME WALL w/ 2x6 STUDS @ 16" OC, (2) 2x6 TOP PLATE AND 2x6 TREATED SILL PLATE

FRAMING PLAN LEGEND:

- WOOD FRAME WALL
- HEADER AT DOOR/WINDOW OPENING - SEE SCHEDULE
- SHEAR WALL - SEE SCHEDULE
- HOLDOWN - SEE SHEARWALL SCHEDULE

COLUMN SCHEDULE

MARK	SIZE	BASE	TOP
C1	TREATED 6x6 SYP NO.2	SEE 7/S5.0	SEE 7/S5.0

BEAM SCHEDULE

MARK	SIZE	BRG STUDS UNO
B1	(2) $1\frac{1}{2} \times 11\frac{1}{2}$ LVL	SEE PLAN

HEADER SCHEDULE

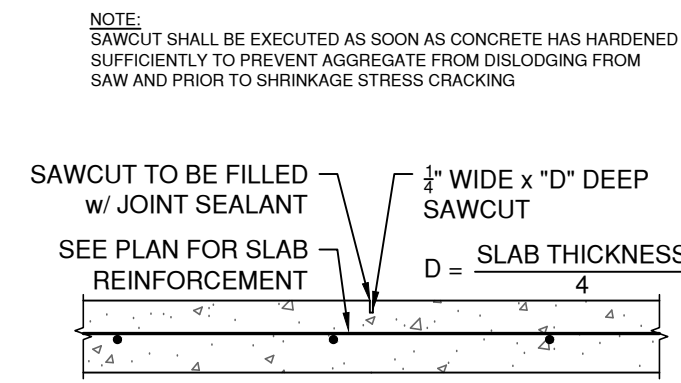
MARK	SIZE	BRG STUDS UNO	KING STUDS
H1	(2) 2x10	(1) 2x6	(1) 2x6
H2	(3) 2x10	(1) 2x6	(1) 2x6

NOTE: SEE 1/S5.0 FOR HEADER DETAIL

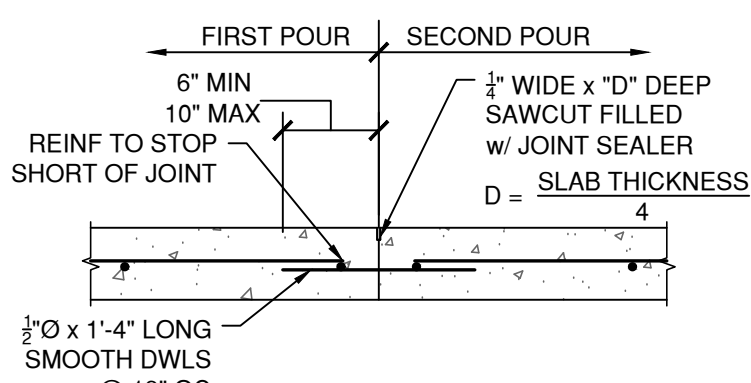
SHEAR WALL SCHEDULE

MARK	DESCRIPTION	FASTENING			END POST	HOLDOWN EACH END OF WALL UNO	NOTES
		SIZE	EDGE	INTERIOR			
SW1	$\frac{5}{8}"$ GYPSUM EACH FACE OF WALL BLOCK PANEL EDGES	#6 TYPE S OR W DRYWALL SCREWS	4" OC	7" OC	(2) 2x6	SIMPSON HDU2 w/ $\frac{5}{8}"$ Ø THREADED ROD & SIMPSON SET-XP ADHESIVE (8" MIN EMBED) SEE 8/S4.0	BLOCK PANEL EDGES
SW2	$\frac{7}{16}"$ APA RATED PLYWOOD OR OSB BLOCK PANEL EDGES	8d NAILS	4" OC	12" OC	(2) 2x6	SIMPSON HDU2 w/ $\frac{5}{8}"$ Ø THREADED ROD & SIMPSON SET-XP ADHESIVE (14" MIN EMBED) SEE 8/S4.0	BLOCK PANEL EDGES

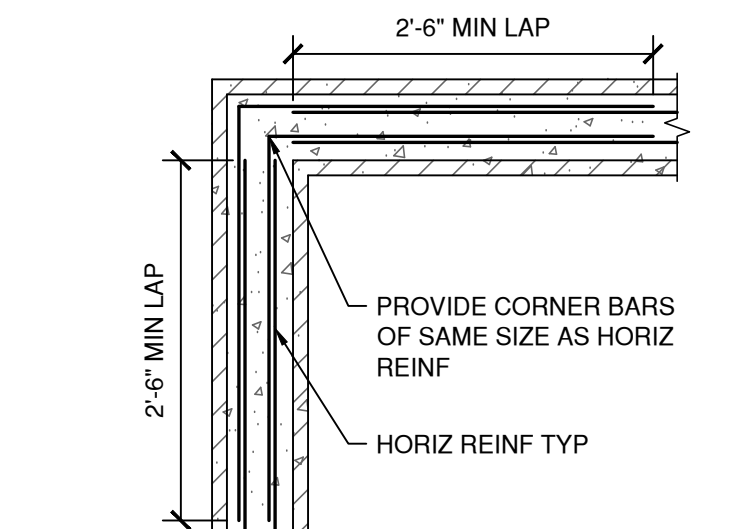
NOTE: 1) SHEAR WALLS ARE TO BE FRAMED WITH 2x4 OR 2x6 STUDS AT 16" OC
2) SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL UL & STC REQUIREMENTS



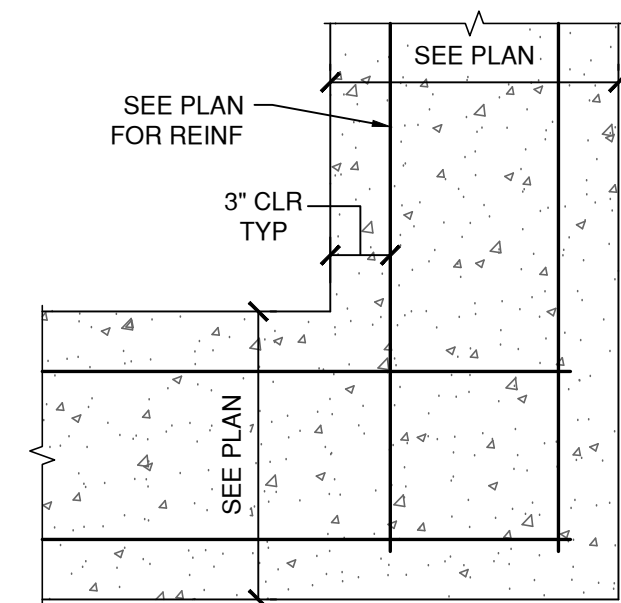
1 DETAIL
S4.0 CONTROL JOINT SCALE: 3/4"=1'-0"



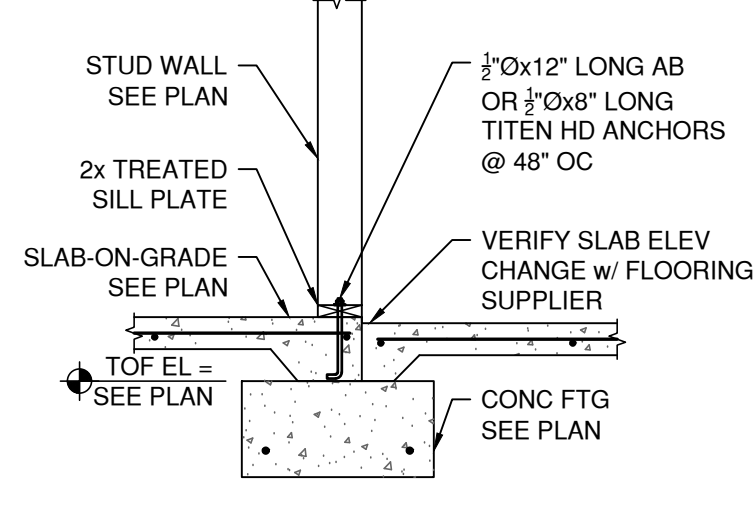
2 DETAIL
S4.0 CONST JOINT SCALE: 3/4"=1'-0"



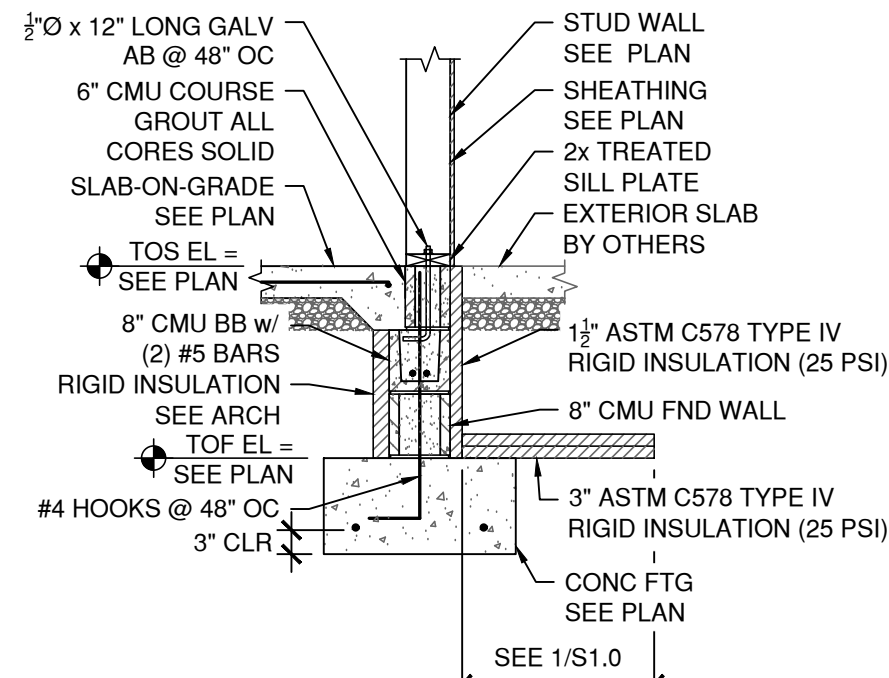
3 DETAIL
S4.0 CORNER REINF SCALE: 3/4"=1'-0"



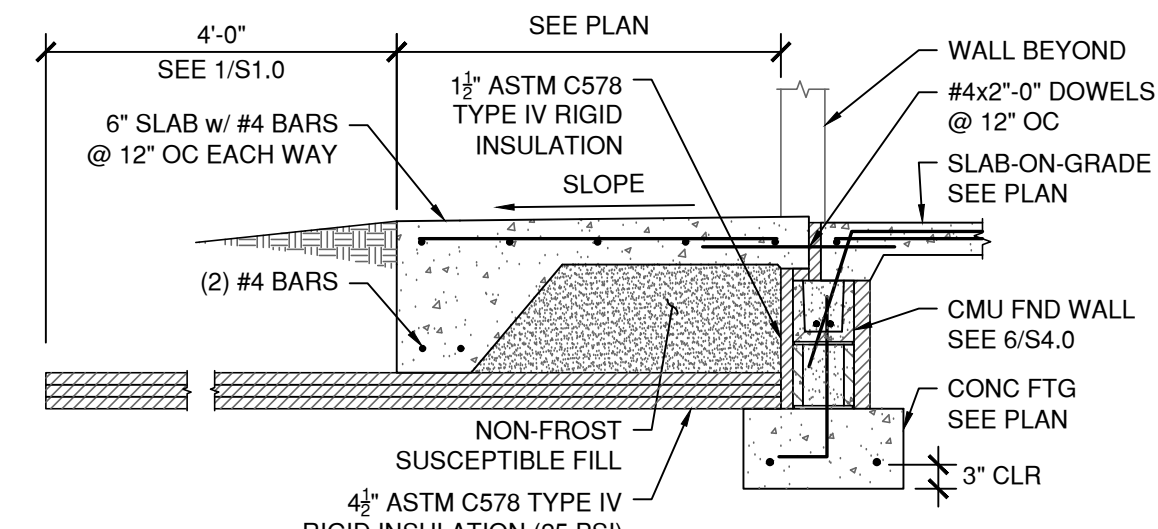
4 DETAIL
S4.0 FTG CORNER SCALE: 3/4"=1'-0"



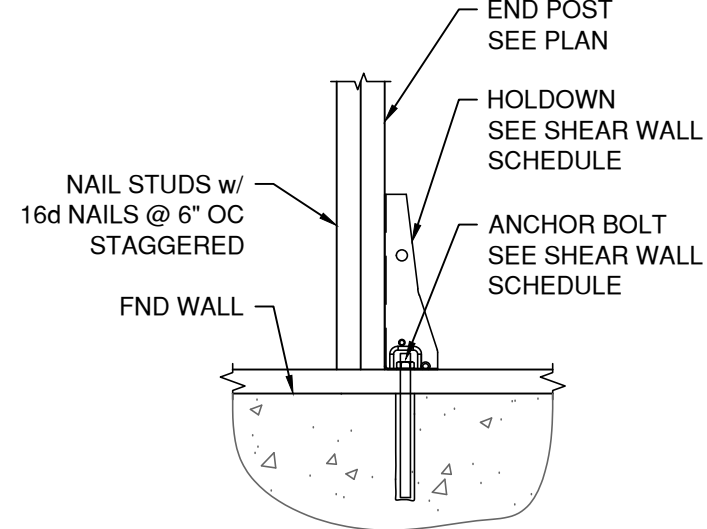
5 SECTION
S4.0 THICKENED SLAB SCALE: 1/2"=1'-0"



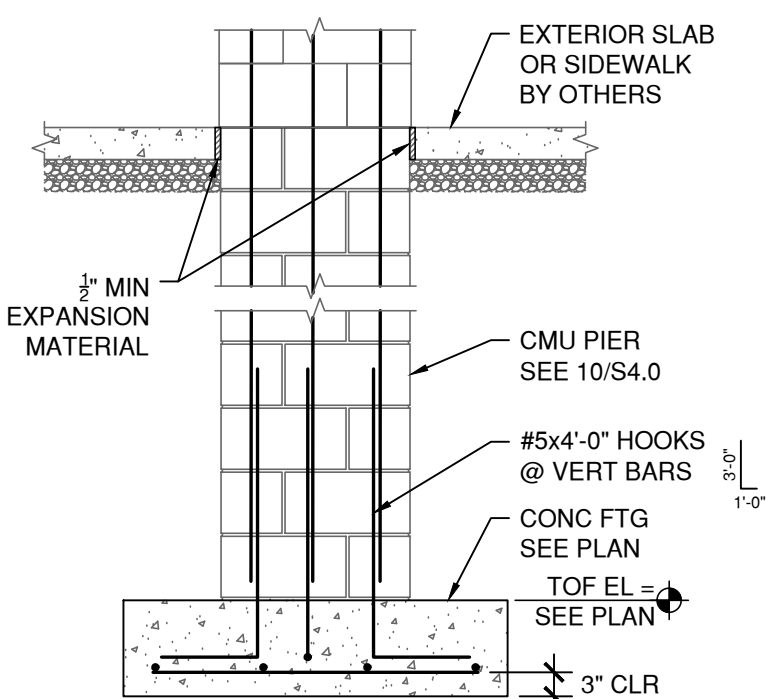
6 SECTION
S4.0 8" CMU FND WALL SCALE: 1/2"=1'-0"



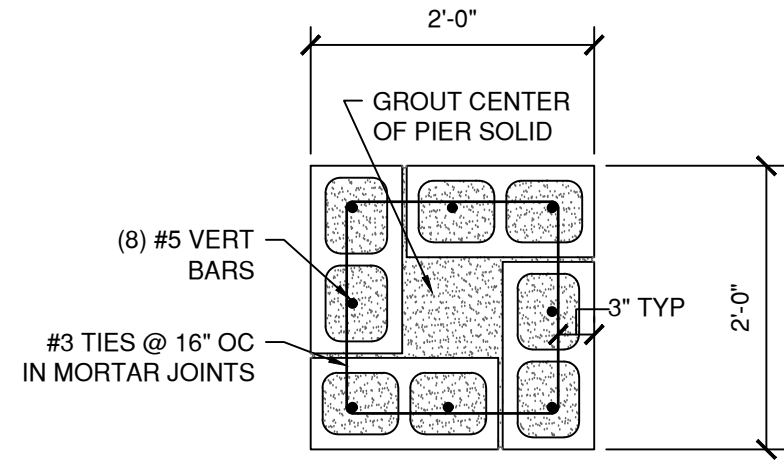
7 SECTION
S4.0 STOOP SCALE: 1/2"=1'-0"



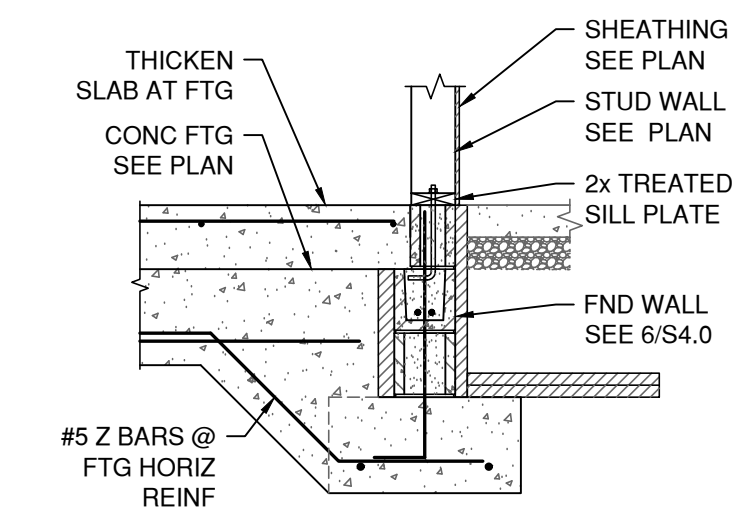
8 DETAIL
S4.0 HOLDOWN SCALE: 1"=1'-0"



9 SECTION
S4.0 PIER SCALE: 1/2"=1'-0"



10 DETAIL
S4.0 PIER SCALE: 3/4"=1'-0"



11 SECTION
S4.0 THICKENED SLAB @ FND SCALE: 1/2"=1'-0"

SCHIK
ENGINEERING, LLC
PO Box 158
17 E Centennial 84 Dr Ste C
New York Mills, MN 56567
Ph: 218.385.2044
Fax: 218.385.2048

wsb

WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: JPS
PLAN BY: KHH
CHECK BY: JPS

REVISIONS

NO.	DATE	DESCRIPTION

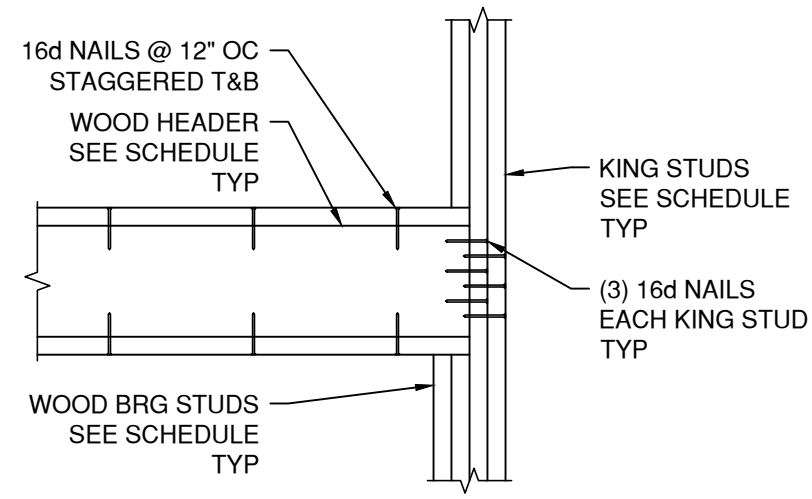
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Jason Schik
Jason Schik
DATE: 07-31-20 LIC. NO.: 47529

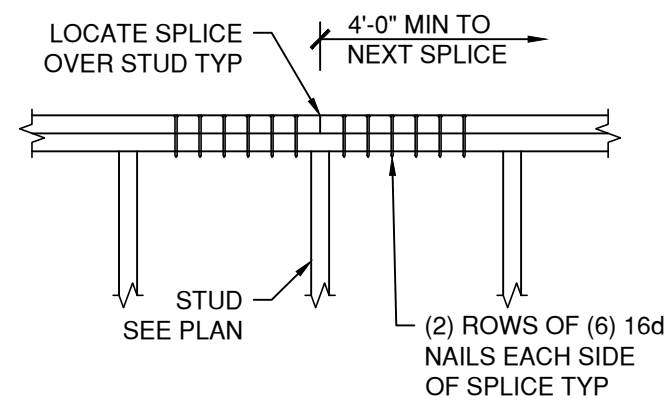
MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

FOUNDATION
SECTIONS &
DETAILS

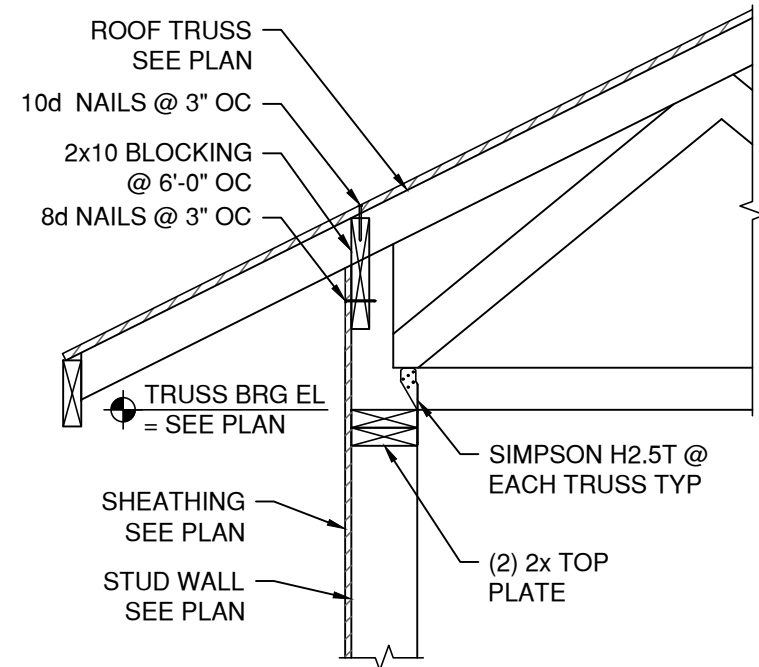
SHEET
S4.0



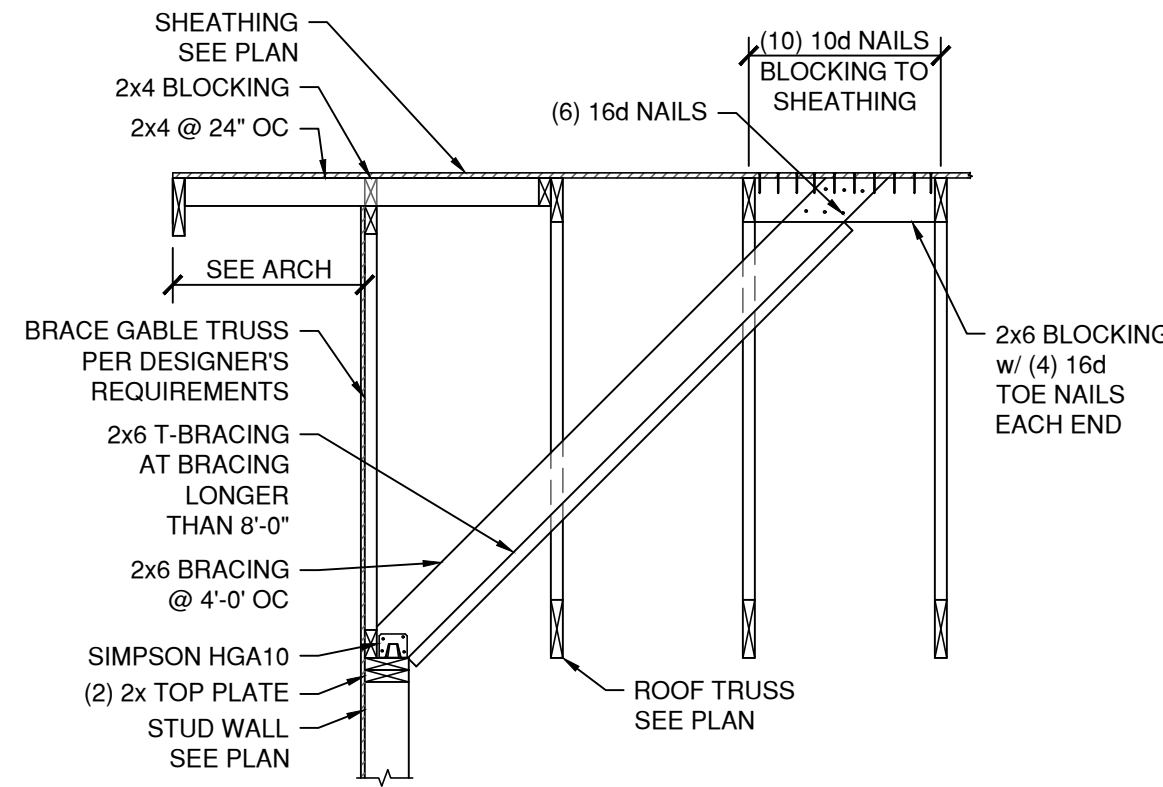
1 SECTION
S5.0 HEADER SCALE: 3/4"=1'-0"



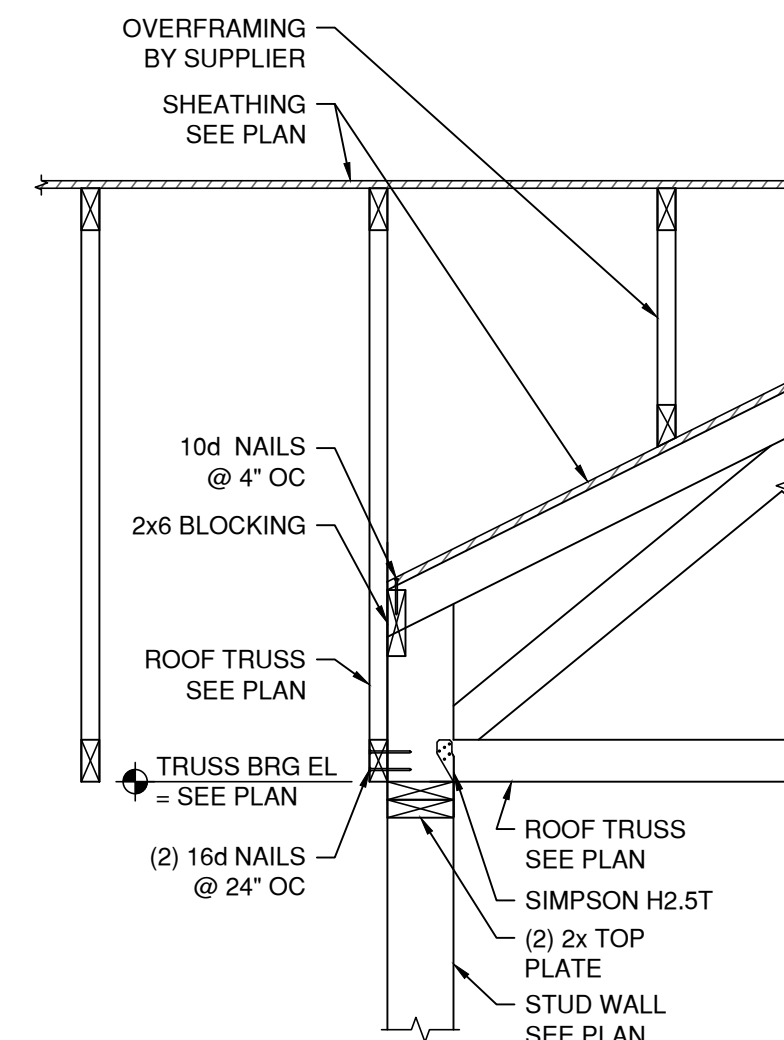
2 SECTION
S5.0 TOP PLATE SPLICE SCALE: 3/4"=1'-0"



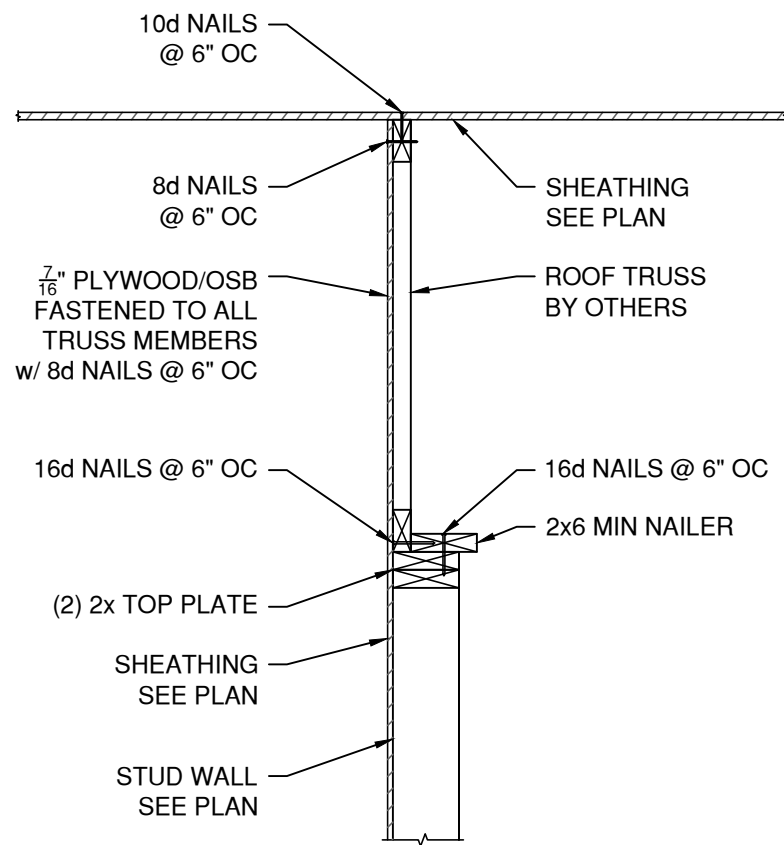
3 SECTION
S5.0 ROOF TRUSS BRG SCALE: 3/4"=1'-0"



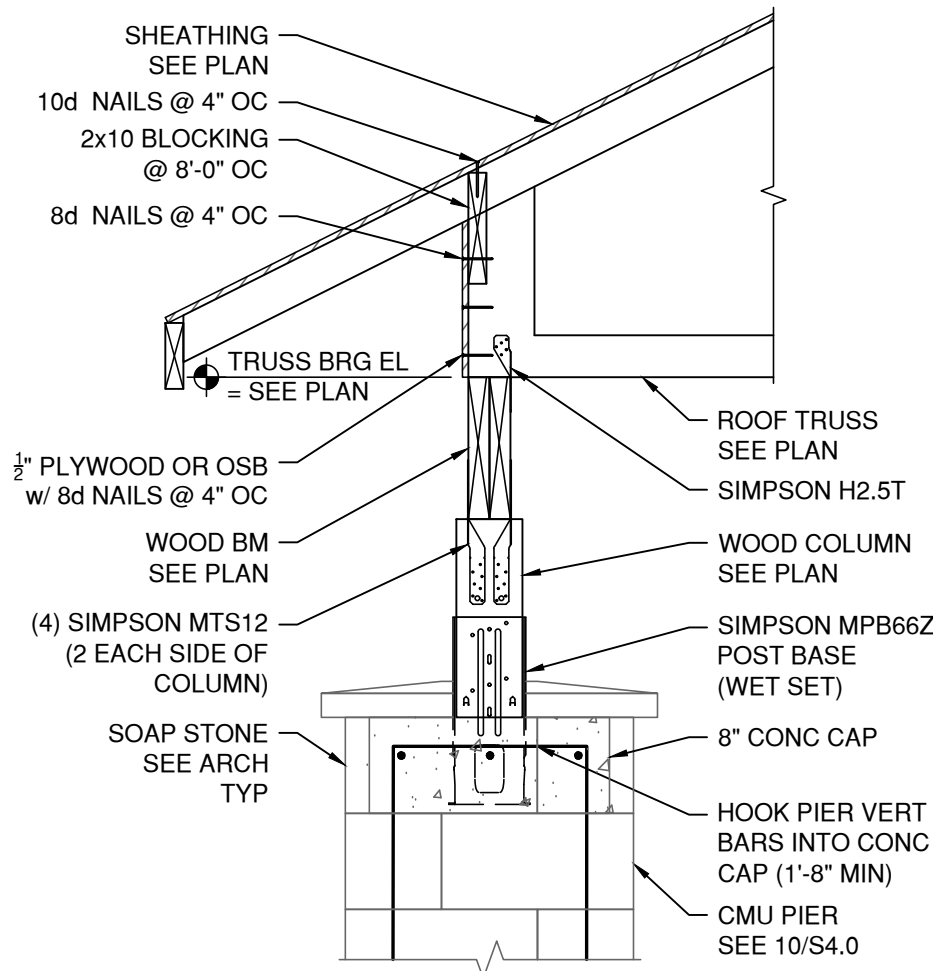
4 SECTION
S5.0 GABLE BRACING SCALE: 1/2"=1'-0"



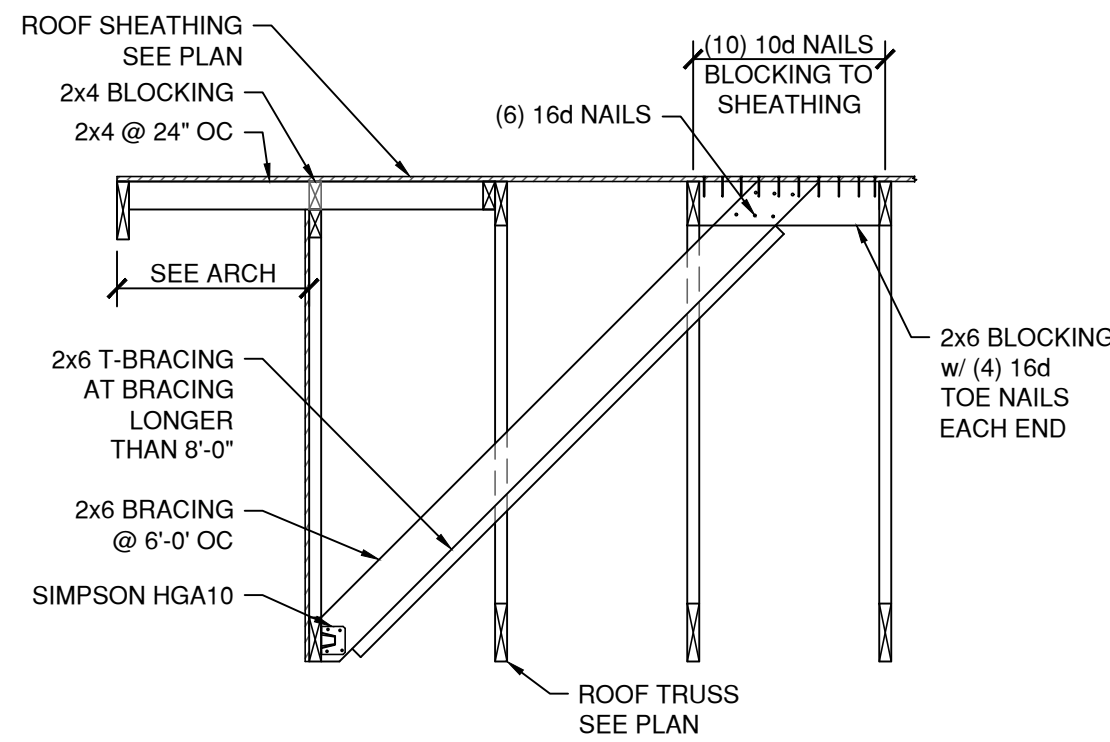
5 SECTION
S5.0 ROOF TRUSS BRG SCALE: 3/4"=1'-0"



6 SECTION
S5.0 SHEAR WALL SCALE: 3/4"=1'-0"



7 SECTION
S5.0 ROOF TRUSS BRG @ BM SCALE: 3/4"=1'-0"



8 SECTION
S5.0 GABLE BRACING SCALE: 1/2"=1'-0"

SCHIK
ENGINEERING, LLC
PO Box 158
17 E Centennial 84 Dr Ste C
New York Mills, MN 55567
Ph: 218.385.2044
Fax: 218.385.2048

wsb

WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: JPS
PLAN BY: KHH
CHECK BY: JPS

REVISIONS	
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Jason Schik
Jason Schik

DATE: 07-31-20 LIC. NO.: 47529

MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

FRAMING
SECTIONS &
DETAILS

SHEET
S5.0



WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
PLAN BY: JL

DESIGN BY: ANG
CHECK BY: JL/JPK

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NO.	DATE DESCRIPTION

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JAMIE P. KRONBECK

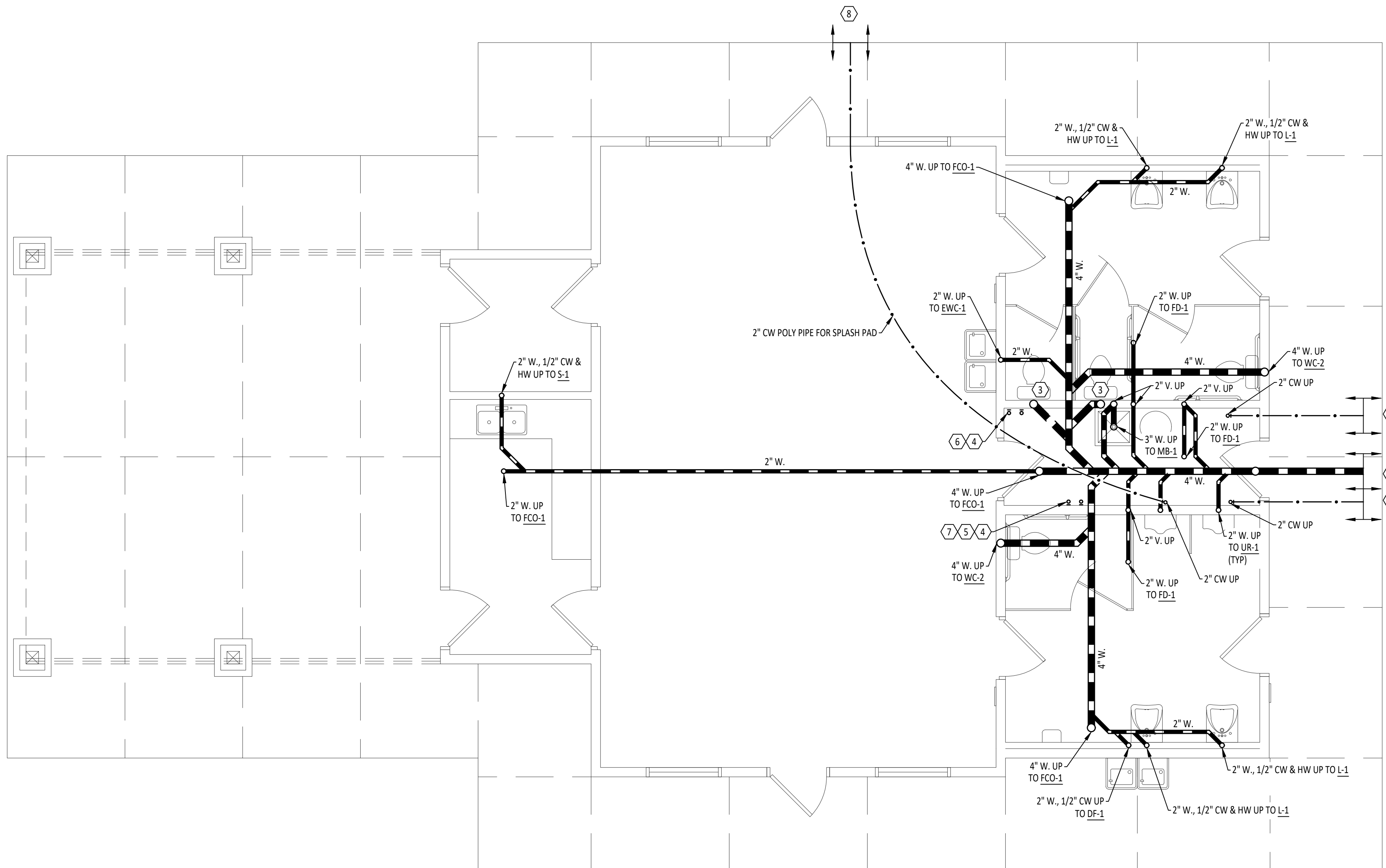
DATE: 07/31/2020 LIC. NO: 47267

MEMORIAL PARK REDEVELOPMENT PROJECT

CITY OF BRAINERD

UNDERGROUND PLUMBING PLAN

SHEET
P1.0



PLUMBING NOTES:

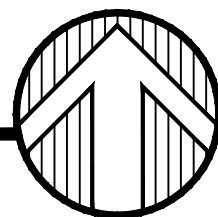
- A. COORDINATE ALL PLUMBING INSTALLATION WITH GENERAL, FIRE PROTECTION, VENTILATION, AND ELECTRICAL CONTRACTORS. INSTALL ALL PLUMBING PIPING AS HIGH AS POSSIBLE. PROVIDE ALL NECESSARY OFFSETS (DROPS AND RISES) TO KEEP PLUMBING PIPING TIGHT TO THE STRUCTURE OR DUCTWORK ABOVE. OFFSET PLUMBING PIPING TO AVOID BEAMS.
- B. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS FOR CEILING TYPES, HEIGHTS, SOFFIT AREAS, AND ELEVATIONS FOR INSTALLATION OF NEW PLUMBING PIPING, EQUIPMENT, ETC.
- C. MAINTAIN 3'-0" CLEAR SPACE IN FRONT OF ALL ELECTRICAL, CONTROL, AND ACCESS PANELS FOR ACCESSIBILITY.
- D. ALL SHUT-OFF VALVES, ETC. SHALL BE INSTALLED IN ACCESSIBLE CEILING.

PLAN NOTES:

- ① SITE UTILITY CONTRACTOR TO STUB WATER SERVICE WITHIN 5'-0" OF BUILDING. PLUMBING CONTRACTOR RESPONSIBLE FOR WATER SERVICE 5'-0" OUT FROM BUILDING.
- ② SITE UTILITY CONTRACTOR TO STUB SANITARY SEWER WITHIN 5'-0" OF BUILDING. MECHANICAL CONTRACTOR RESPONSIBLE FOR SANITARY SEWER 5'-0" OUT FROM BUILDING.
- ③ 4" WASTE UP TO WC-1.
- ④ 1/2" COLD WATER AND HOT WATER PEX TUBING HOME RUNS FROM MANIFOLD TO (2) 1-1.
- ⑤ 1/2" COLD WATER PEX TUBING HOME RUN FROM MANIFOLD TO DF-1.
- ⑥ 1/2" COLD WATER AND HOT WATER PEX TUBING HOME RUN FROM MANIFOLD TO S-1.
- ⑦ INCLUDE SHUT-OFF VALVE AND DRAIN VALVE FOR WINTERIZATION ON DF-1.
- ⑧ PLUMBING CONTRACTOR RESPONSIBLE FOR WATER SERVICE 5'-0" OUT FROM BUILDING.

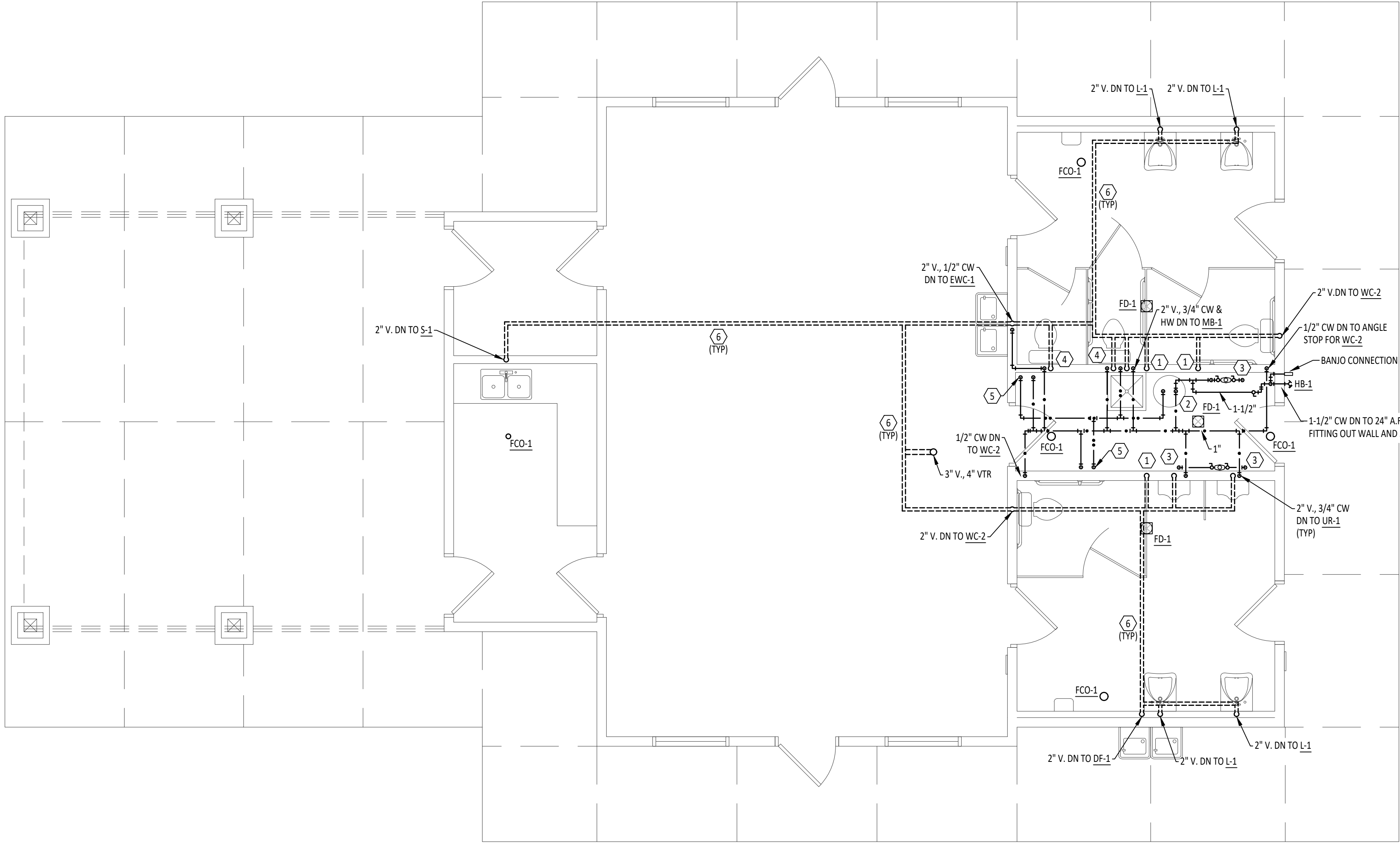
1

UNDERGROUND PLUMBING PLAN

$$1/4" = 1'-0"$$


JPK
ENGINEERING, LLC
1325 23rd Street S.
Suite E
Fargo, ND 58103
(701) 532-1788

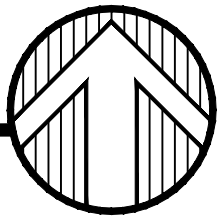
1:1/2020 PROJECTS\2004\3 - MEMORIAL PARK WARMING HOUSE\DRAWING\PROGRESS\PL1 Above Ground Plumbing Plan.dwg 8/13/2020 4:04:20 PM



1

ABOVE GROUND PLUMBING PLAN

1/4" = 1'-0"



PLUMBING NOTES:

- COORDINATE ALL PLUMBING INSTALLATION WITH GENERAL, FIRE PROTECTION, VENTILATION, AND ELECTRICAL CONTRACTORS. INSTALL ALL PLUMBING PIPING AS HIGH AS POSSIBLE. PROVIDE ALL NECESSARY OFFSETS (DROPS AND RISES) TO KEEP PLUMBING PIPING TIGHT TO THE STRUCTURE OR DUCTWORK ABOVE. OFFSET PLUMBING PIPING TO AVOID BEAMS.
- REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS FOR CEILING TYPES, HEIGHTS, SOFFIT AREAS, AND ELEVATIONS FOR INSTALLATION OF NEW PLUMBING PIPING, EQUIPMENT, ETC.
- MAINTAIN 3'-0" CLEAR SPACE IN FRONT OF ALL ELECTRICAL, CONTROL, AND ACCESS PANELS FOR ACCESSIBILITY.
- ALL SHUT-OFF VALVES, ETC. SHALL BE INSTALLED IN ACCESSIBLE CEILINGS.

PLAN NOTES:

- 2" VENT DOWN TO FD-1.
- 3/4" COLD WATER & 1" HOT WATER DOWN TO WH-1.
- 2" COLD WATER DOWN.
- 2" VENT, 1/2" COLD WATER DOWN TO WC-1.
- 3/4" COLD WATER AND HOT WATER DOWN TO BALL VALVE AND PEX MANIFOLD.
- ALL VENT PIPING TO RUN IN ATTIC SPACE.



WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: ANG
PLAN BY: JL
CHECK BY: JL/JPK

REVISIONS

NO	DATE	DESCRIPTION

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Janie P. Kronbeck
JANIE P. KRONBECK

DATE: 07/31/2020 L.C. NO: 47267

MEMORIAL PARK REDEVELOPMENT PROJECT

CITY OF BRAINERD

ABOVE GROUND
PLUMBING PLAN

SHEET
P1.1

SCALE: AS SHOWN
PLAN BY: JL

DESIGN BY: ANG
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[illegible]

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Jamie P. Kronbeck
JAMIE P. KRONBECK

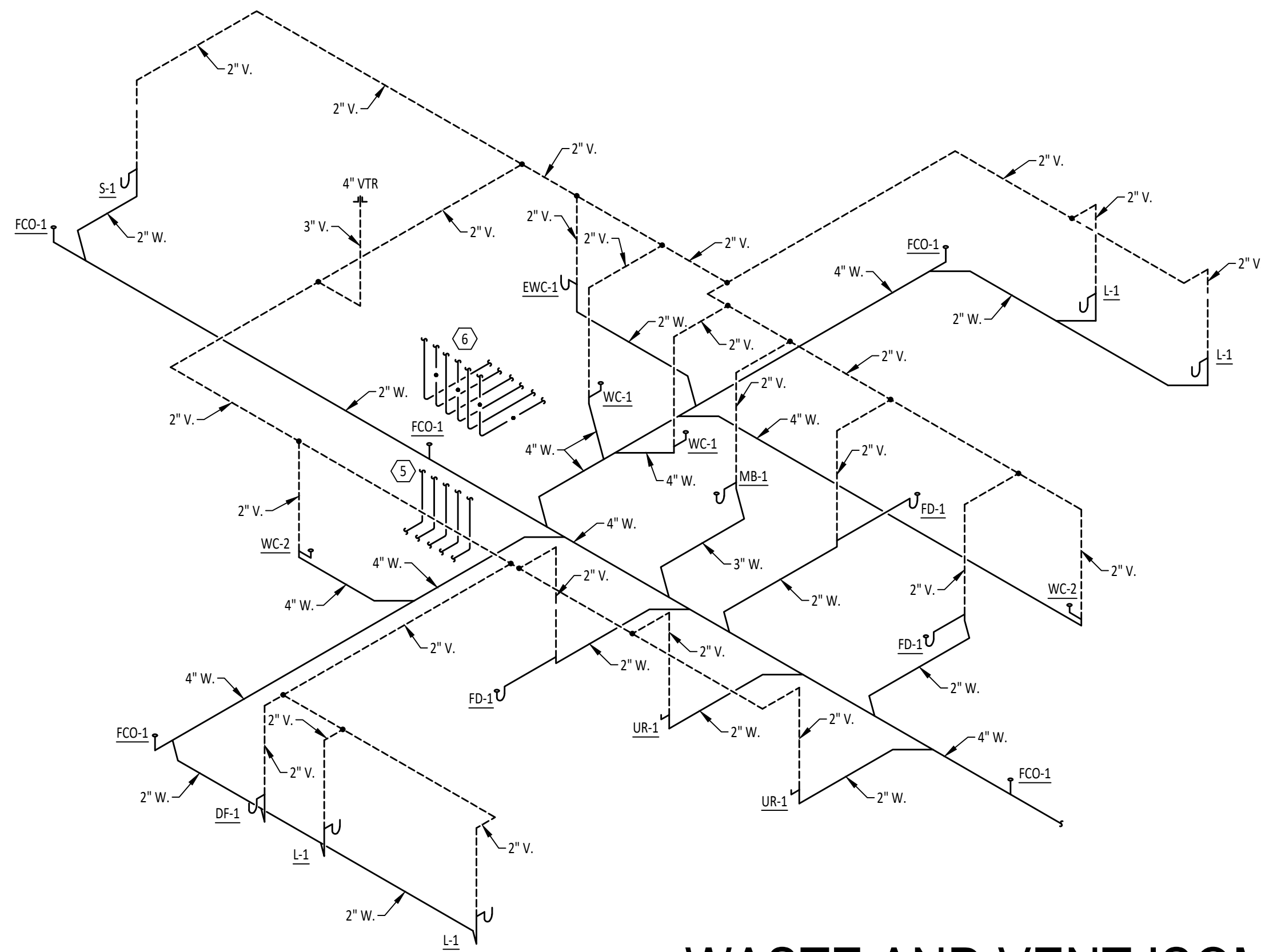
DATE: 07/31/2020 LIC. NO: 47267

MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

PLUMBING ISOMETRICS

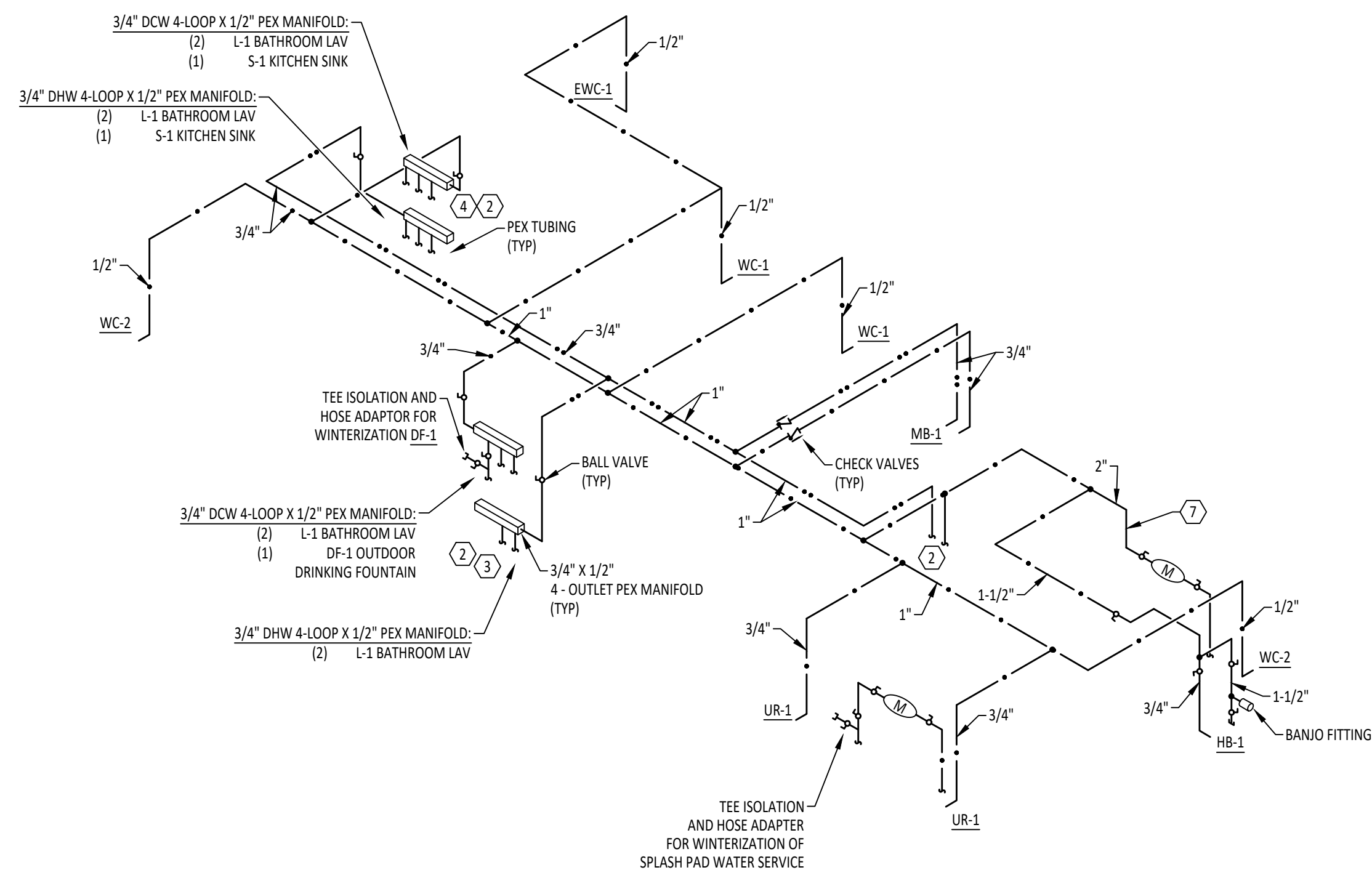
SHEET
P3.0



1

WASTE AND VENT ISOMETRIC

NTS



2

DOMESTIC WATER ISOMETRIC

NTS



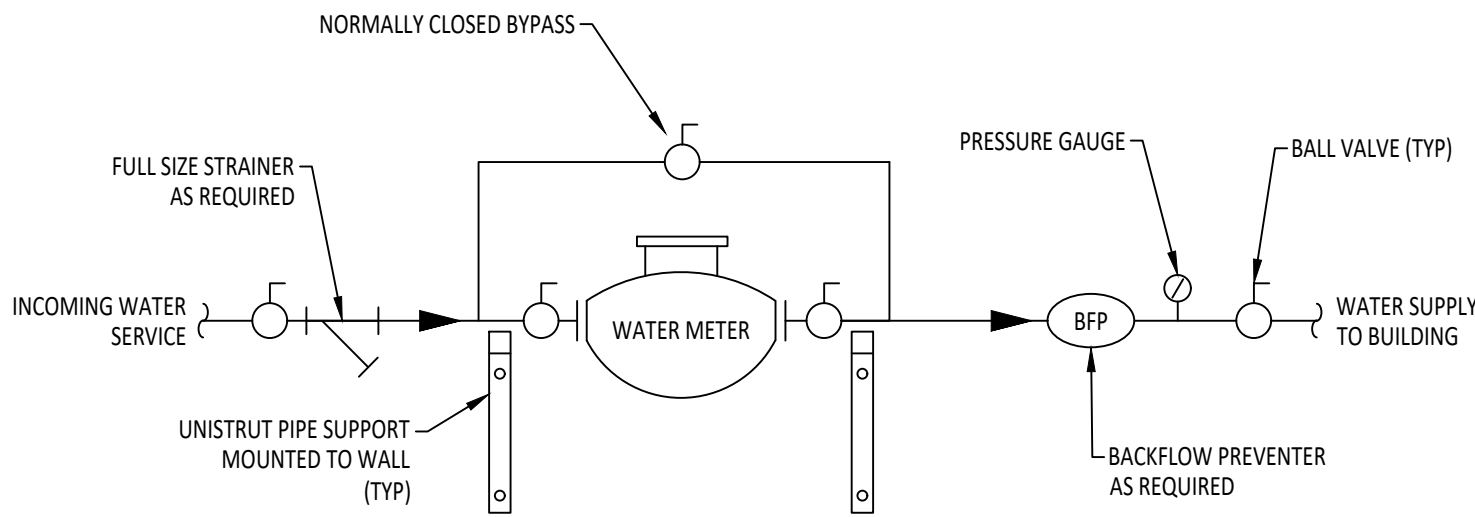
1:1/2020 PROJECTS/200043 - MEMORIAL PARK WARMING HOUSE DRAFTING/PROGRESS/P4.0 Schedules and Details.dwg 9/13/2020 4:04:43 PM

ELECTRIC DOMESTIC WATER HEATER (SPECIFICATION 223436)																
TAG	MANUFACTURER	MODEL	FUEL	ENERGY FACTOR	CAPACITY (GAL)	DIAMETER (IN)	HEIGHT (IN)	1ST HOUR RATING (GPH)	RECOVERY @ 90F RISE (GPH)	ELECTRICAL					AREA SERVED	NOTES
										ELEMENTS	WATTS	VOLT	PH	DISC BY		
WH-1	BRADFORD WHITE	RE250T6	ELEC	0.95	50	22	58-5/8	67	21	2	4500	240	1	E.C.	BLDG	1,2,3,4

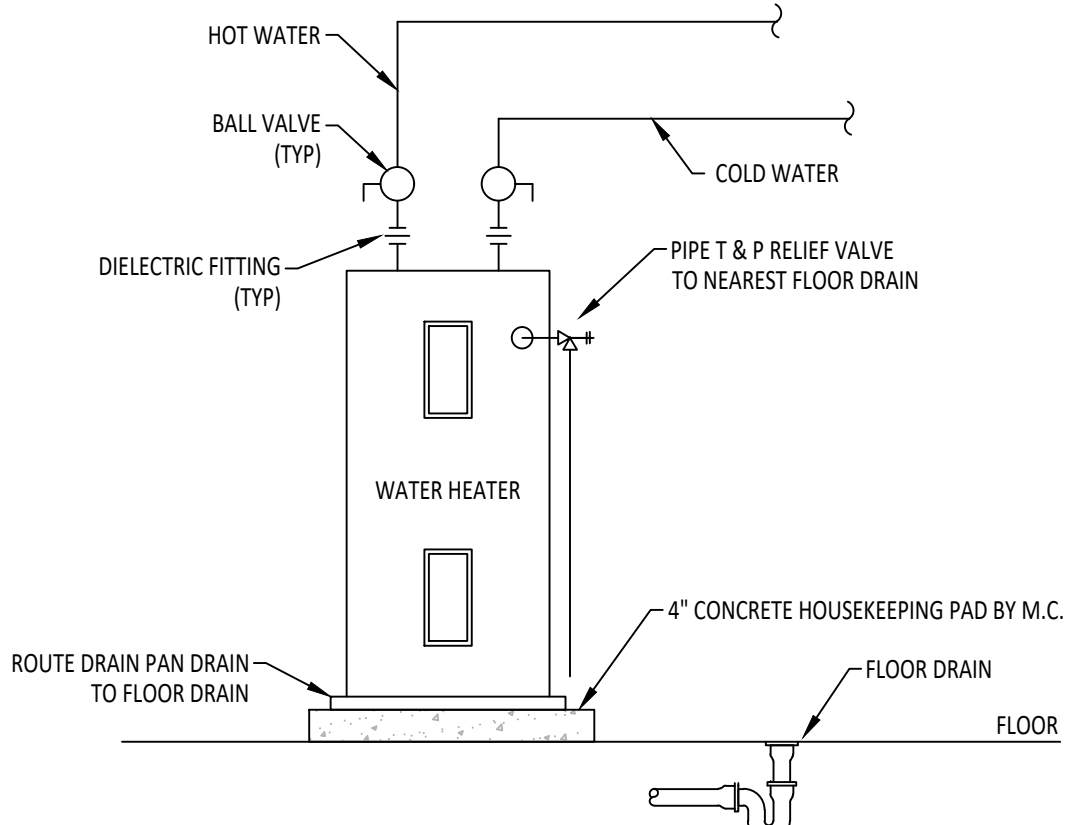
- (1) PROVIDE WITH PRESSURE/TEMPERATURE RELIEF VALVE.
(2) PROVIDE ELEMENTS FOR NON-SIMULTANEOUS OPERATION.
(3) PIPE RELIEF VALVE TO NEAREST FLOOR DRAIN.
(4) PROVIDE (1) THERMAL EXPANSION TANK, REFERENCE BELL AND GOSSETT MODEL PT-12.

PLUMBING FIXTURES (SPECIFICATION 224200)							
TAG	FIXTURE	PIPE CONNECTIONS				NOTES	FURNISHED AND INSTALLED BY
		WASTE	VENT	C.W.	H.W.		
UR-1	URINAL	2	2	3/4	---	PROVIDE HAMMER ARRESTOR	CFCI
WC-1	WATER CLOSET	4	2	1/2	---		CFCI
WC-2	WATER CLOSET, ADA	4	2	1/2	---		CFCI
L-1	LAV	2	2	1/2	1/2		CFCI
S-1	SINK	2	2	1/2	1/2		CFCI
FD-1	FLOOR DRAIN	2	2	---	---	VARIES, SEE ISOMETRIC FOR SIZING	CFCI
FCO-1	FLOOR CLEAN OUT	---	---	---	---	VARIES, SIZE PER CODE	CFCI
MB-1	MOP BASIN	3	2	3/4	3/4	PROVIDE CHECK VALVE ON INLETS TO HOT AND COLD WATER	CFCI
EWG-1	ELECTRIC WATER COOLER	2	2	1/2	---		CFCI
DF-1	DRINKING FOUNTAIN	2	2	1/2	---		CFCI
HB-1	HOSE BIBB, EXTERIOR	---	---	3/4	---		CFCI

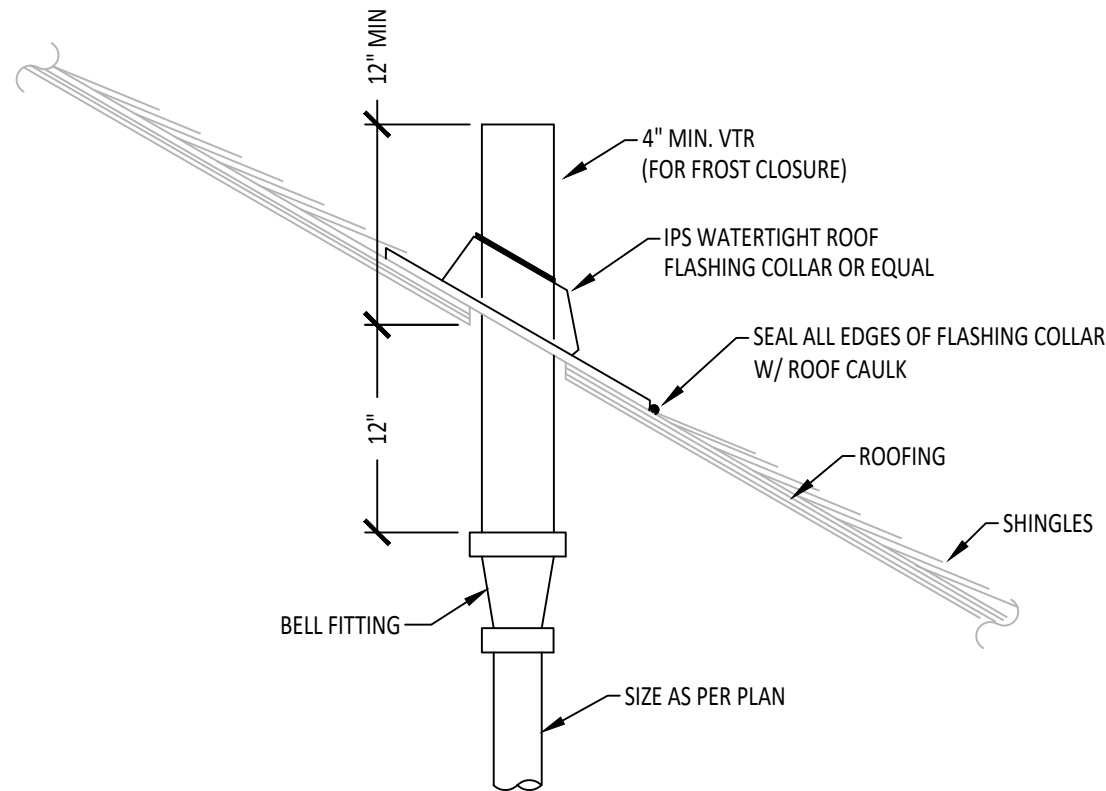
- (1) PROVIDE P-TRAP AND RISER INSULATION KIT ON ANY EXPOSED LAVATORY OR SINK DRAIN AS REQUIRED. MANUFACTURER SHALL BE TRUEBRO OR EQUAL.
(2) SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS FOR ALL FIXTURES.



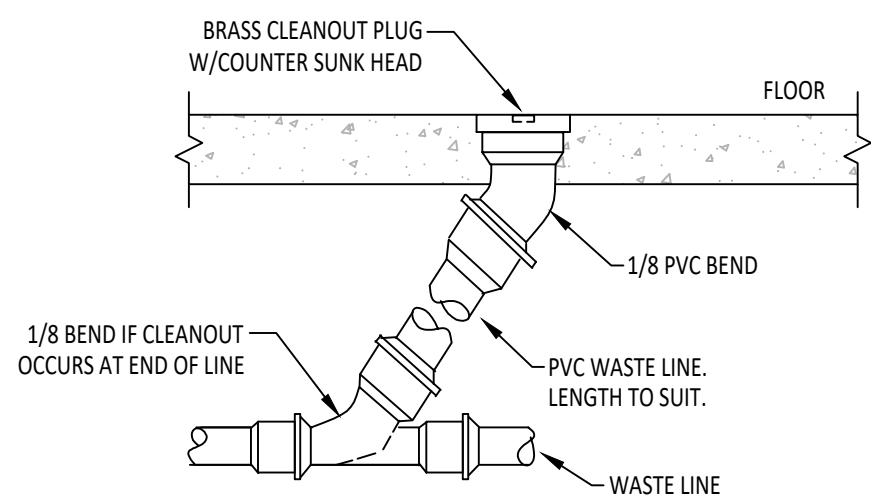
4 WATER METER INSTALLATION DETAIL
SCALE: NTS



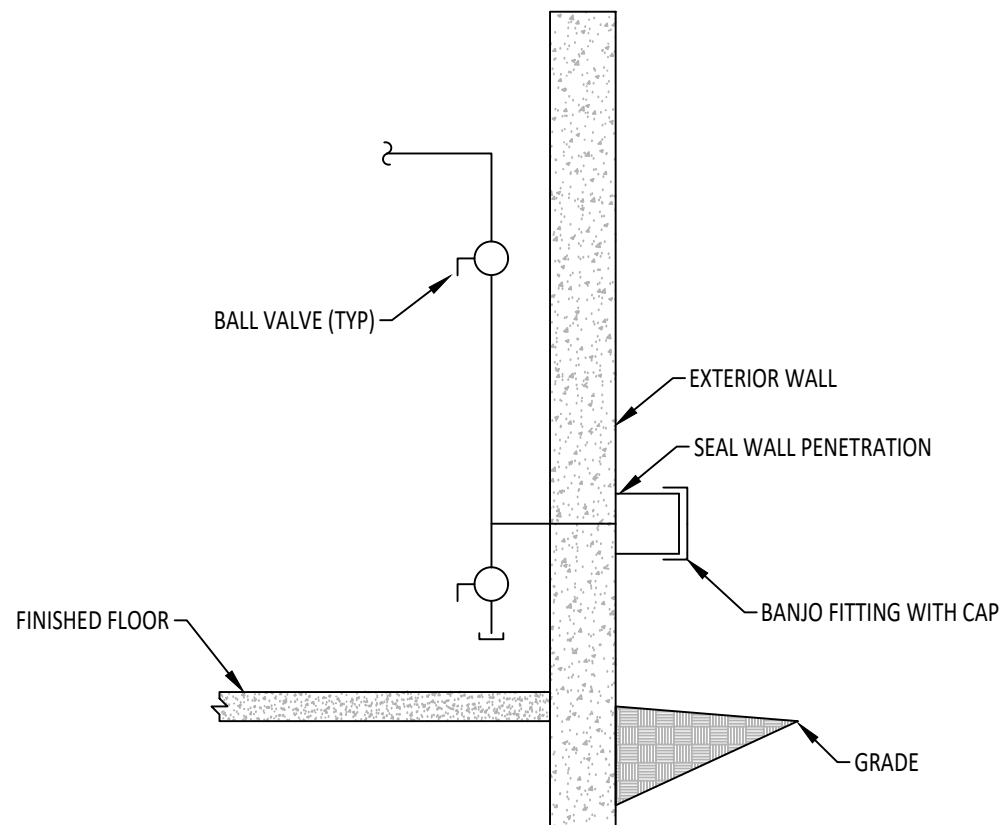
5 ELECTRIC WATER HEATER DETAIL
SCALE: NTS



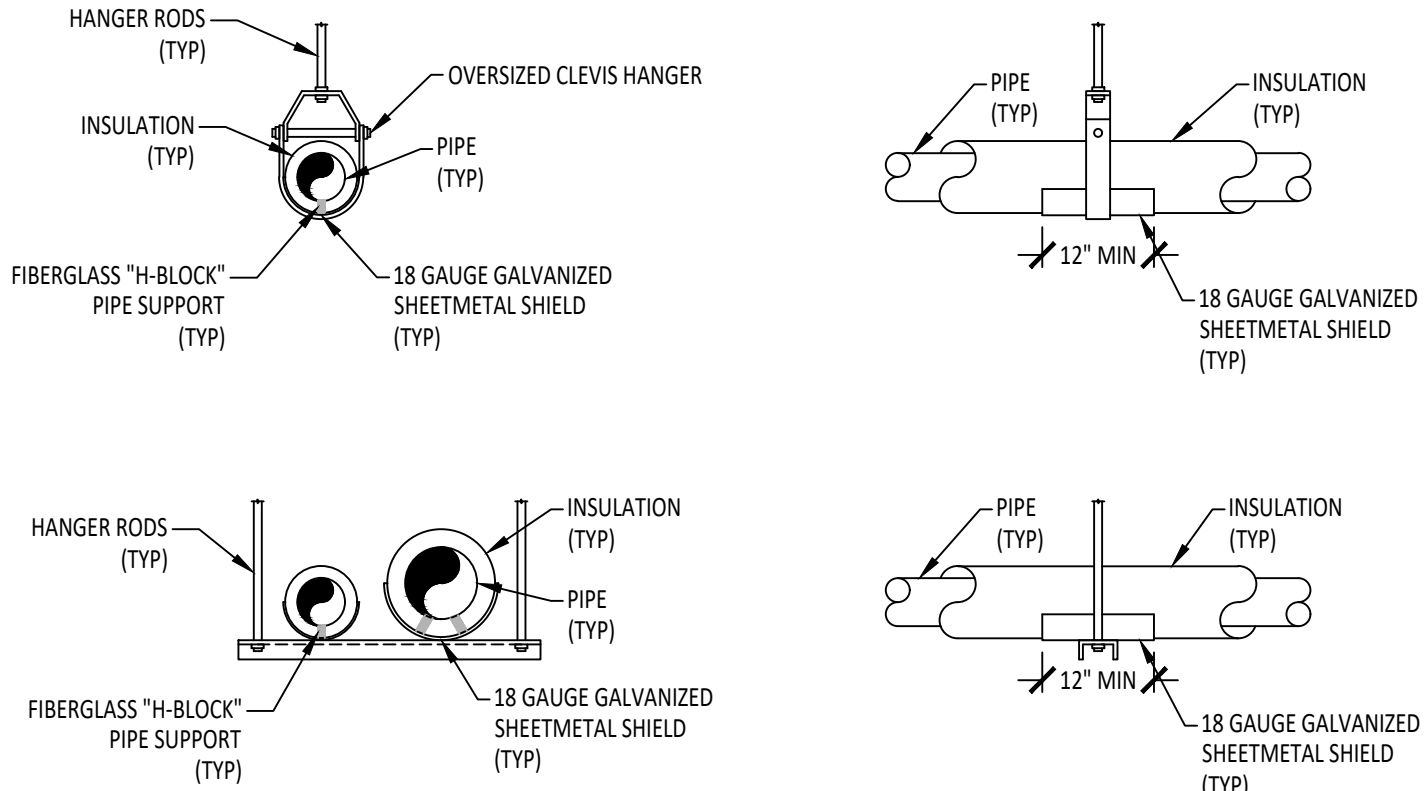
1 PLUMBING VENT TERMINATION DETAIL
SCALE: NTS



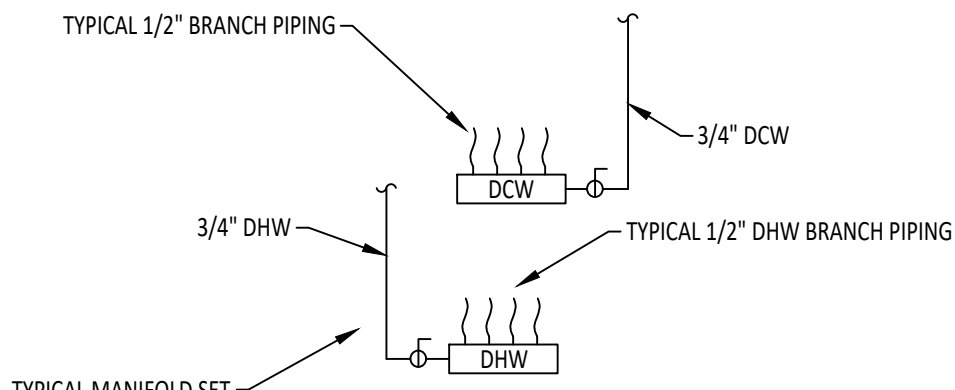
2 FLOOR CLEANOUT DETAIL
SCALE: NTS



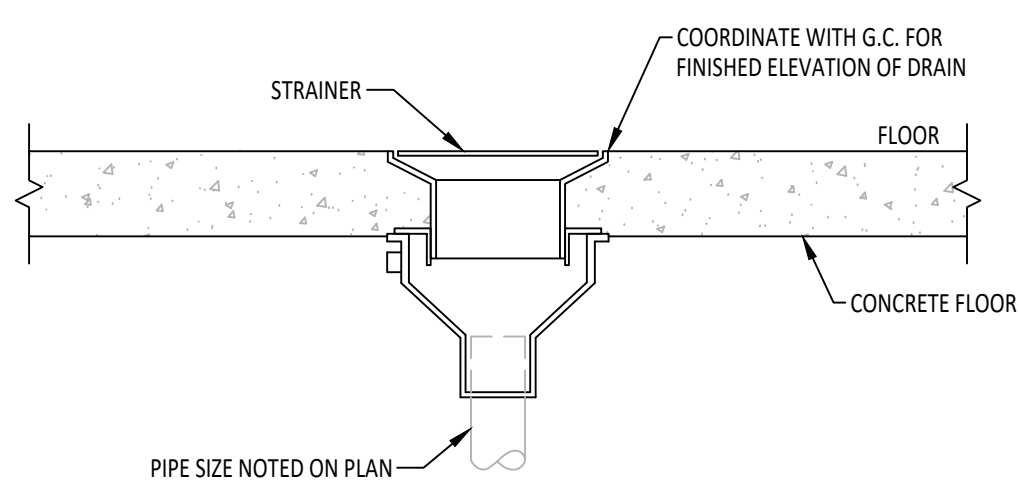
8 BANJO FITTING DETAIL
SCALE: NTS



6 PIPE HANGER WITH INSULATION DETAIL
SCALE: NTS



7 TYPICAL DOMESTIC WATER MANIFOLD DETAIL
SCALE: NTS



3 FLOOR DRAIN DETAIL
SCALE: NTS



WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: ANG
PLAN BY: JL
CHECK BY: JL/JPK

REVISIONS

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Janie P. Kronbeck
JANIE P. KRONBECK
DATE: 07/31/2020 L.C. NO: 47267

MEMORIAL PARK REDEVELOPMENT PROJECT

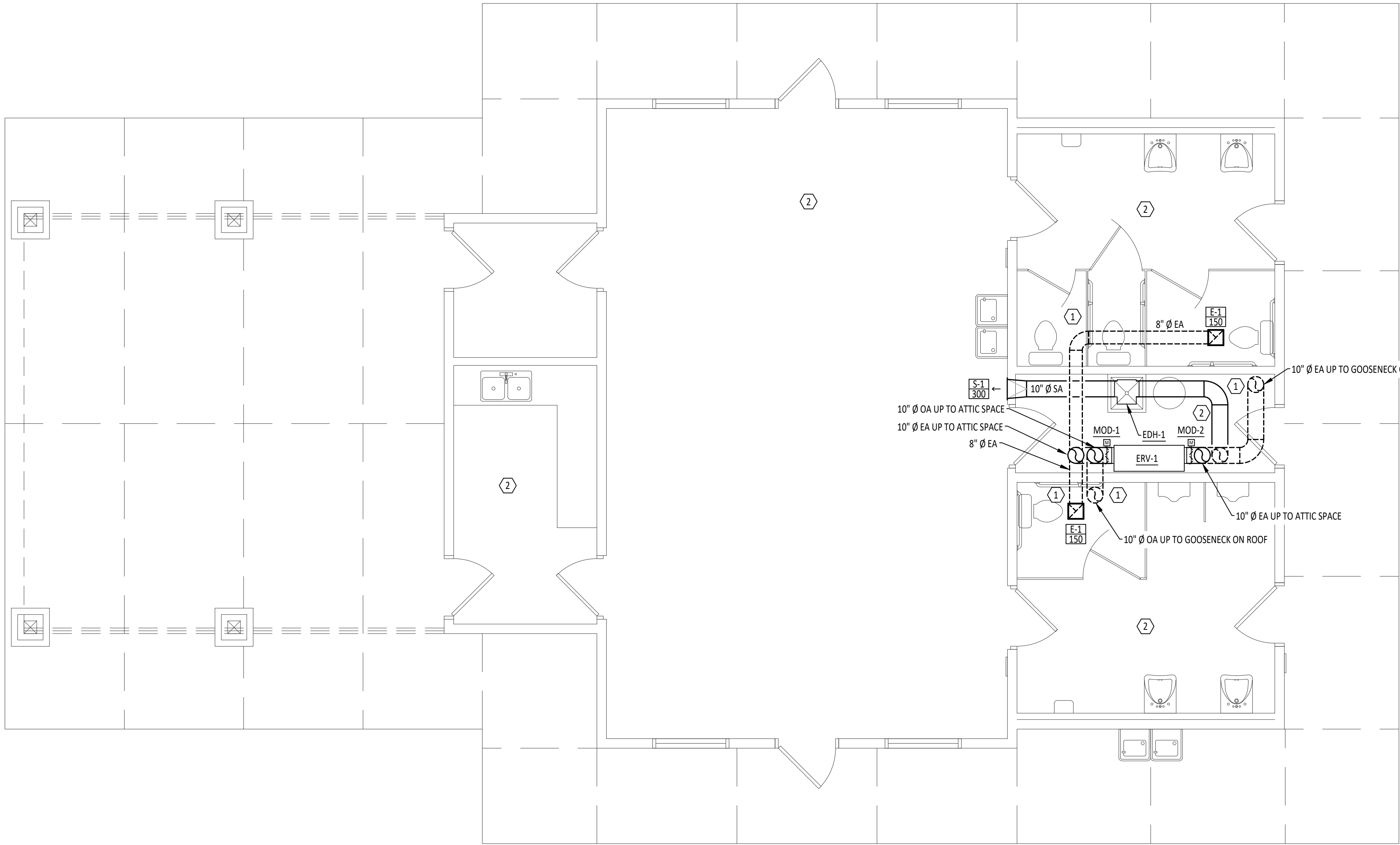
CITY OF BRAINERD

PLUMBING
SCHEDULES AND
DETAILS

SHEET
P4.0



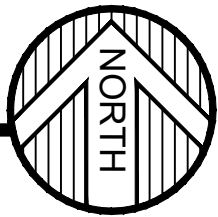
1:1/2020 PROJECTS/200043 - MEMORIAL PARK WARMING HOUSE DRAFTING/PROCESS/M1.0 Main Level HVAC Plan.dwg 9/13/2020 4:04:02 PM



1

MAIN LEVEL HVAC PLAN

1/4" = 1'-0"



VENTILATION NOTES:

- A. COORDINATE ALL DUCTWORK INSTALLATION WITH GENERAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL CONTRACTORS. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE. PROVIDE ALL NECESSARY OFFSETS (DROPS AND RISES) TO KEEP DUCTWORK TIGHT TO THE STRUCTURE ABOVE. OFFSET DUCTWORK TO AVOID BEAMS.
- B. REFER TO AND COORDINATE WITH THE ARCHITECTURAL PLANS FOR CEILING TYPES, HEIGHTS, SOFFIT AREAS, AND ELEVATIONS FOR INSTALLATION OF NEW DUCTWORK, EQUIPMENT, ETC.
- C. MAINTAIN 3'-0" CLEAR SPACE IN FRONT OF ALL ELECTRICAL, CONTROL, AND ACCESS PANELS FOR ACCESSIBILITY.
- D. ALL DAMPERS, ETC. SHALL BE INSTALLED IN ACCESSIBLE CEILINGS.
- E. ALL OPEN ENDS OF DUCTS SHALL BE CAPPED AT THE END OF CONSTRUCTION EACH DAY.

PLAN NOTES:

- 1 DASHED LINE INDICATES DUCT WORK ROUTED IN ATTIC SPACE.
- 2 ELECTRIC HEAT BY ELECTRICAL CONTRACTOR.



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Jamie P. Kronbeck
JAMIE P. KRONBECK

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MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

MAIN LEVEL
HVAC PLAN

SHEET
M1.0

1:12020 PROJECTS\20043 - MEMORIAL PARK WARMING HOUSE\DRAWING\PROGRESS\M4.0 HVAC Schedules and Details.dwg 9/13/2020 4:08:55 PM

ENERGY RECOVERY VENTILATOR (SPECIFICATION 237200)																																
TAG	MANUFACTURER	MODEL	CORES	HEAT EXCHANGER								SUPPLY FAN					EXHAUST FAN					FILTER			ELECTRICAL						WEIGHT	NOTES
				WINTER O.A.		WINTER R.A.		SUMMER O.A.																								
				EDB (F)	LDB (F)	EDB (F)	EDB (F)	EWB (F)	LDB (F)	LWB (F)	EDB (F)	CFM	ESP (IN WC)	HP	TYPE	DRIVE	CFM	ESP (IN WC)	HP	TYPE	DRIVE	TYPE	DEPTH (IN)	GRADE	VOLT	PHASE	MCA	MOCP	SCCR (KA)	DISC BY		
ERV-1	RENEWAIRE	EV450JIN-S11E-GNTF-L	5	-30	46.4	70	95	75	79.7	67.3	75	300	0.6	0.5	FC	DIRECT	307	0.6	0.5	FC	DIRECT	PLEATED	2	MERV 8	120	1	10.1	15	---	E.C.	199	1,2

- (1) PROVIDE FACTORY INSTALLED FROST PROTECTION.
(2) PROVIDE AND INSTALL WITH ACCESSORIES NECESSARY TO MOUNT ON ADJACENT WALL.

CONTROL DAMPER (SPECIFICATION 233300)													
TAG	MANUFACTURER	MODEL	WIDTH (IN)	HEIGHT (IN)	AIRFLOW (CFM)	TYPE	CONST.	ACTUATOR				SERVES	NOTES
								MANUFACTURER	MOUNT	CONTROL	VOLTAGE		
MOD-1	GREENHECK	VCDR-53	10"ø	---	---	OPPOSED	GALVANIZED	HONEYWELL	EXTERNAL	2-POS.	24	ERU FA	1
MOD-2	GREENHECK	VCDR-53	10"ø	---	---	OPPOSED	GALVANIZED	HONEYWELL	EXTERNAL	2-POS.	24	ERU EA	1

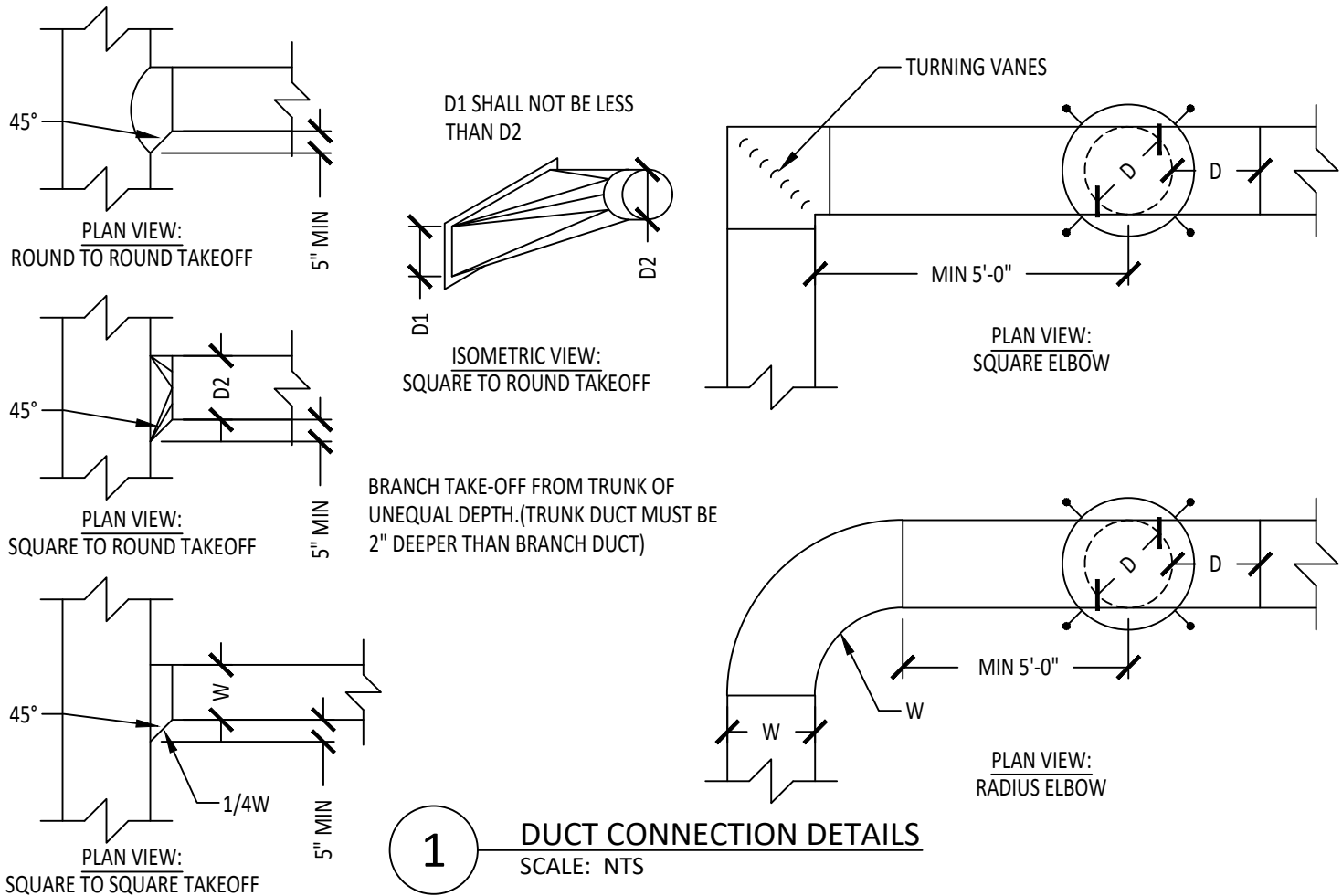
- (1) PROVIDE END SWITCH AND INTERLOCK WITH ERV-1.
MOD - MODULATING
2-POS - TWO POSITION

REGISTERS/GRILLES/DIFFUSERS (SPECIFICATION 233713)										
TAG	MANUFACTURER	MODEL	MATERIAL	FRAME SIZE	NECK SIZE	MOUNT	NOISE CRITERIA	OBD	COLOR	NOTES
S-1	PRICE	510	STEEL	14/10	12/8	SURFACE	<20	NO	WHITE	1
R-1	PRICE	530	STEEL	14/10	12/8	SURFACE	<20	NO	WHITE	1
E-1	PRICE	510Z	STEEL	10/10	8/8	SURFACE	<20	NO	WHITE	1

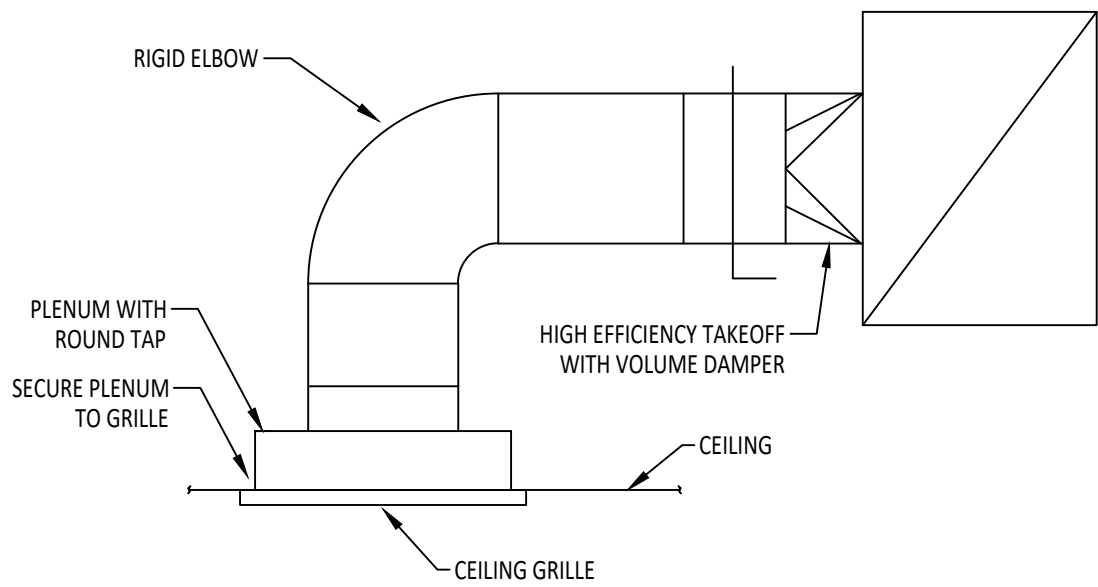
- (1) WITH SCREW HOLES.

ELECTRIC DUCT HEATER (SPECIFICATION 238217)															
TAG	MANUFACTURER	MODEL	HEATING				DUCT DIMENSIONS			ELECTRICAL				SERVES	NOTES
			KW	CFM	STAGES	EAT (F)	LAT (F)	WIDTH (IN)	HEIGHT (IN)	VOLT	PHASE	SCCR (kA)	DISC BY		
EDH-1	RENEWAIRE	ZON-10-3240	3	300	MOD	46.4	77.9	10"ø	---	240	1	---	E.C.	BLDG	1,2,3,4,5

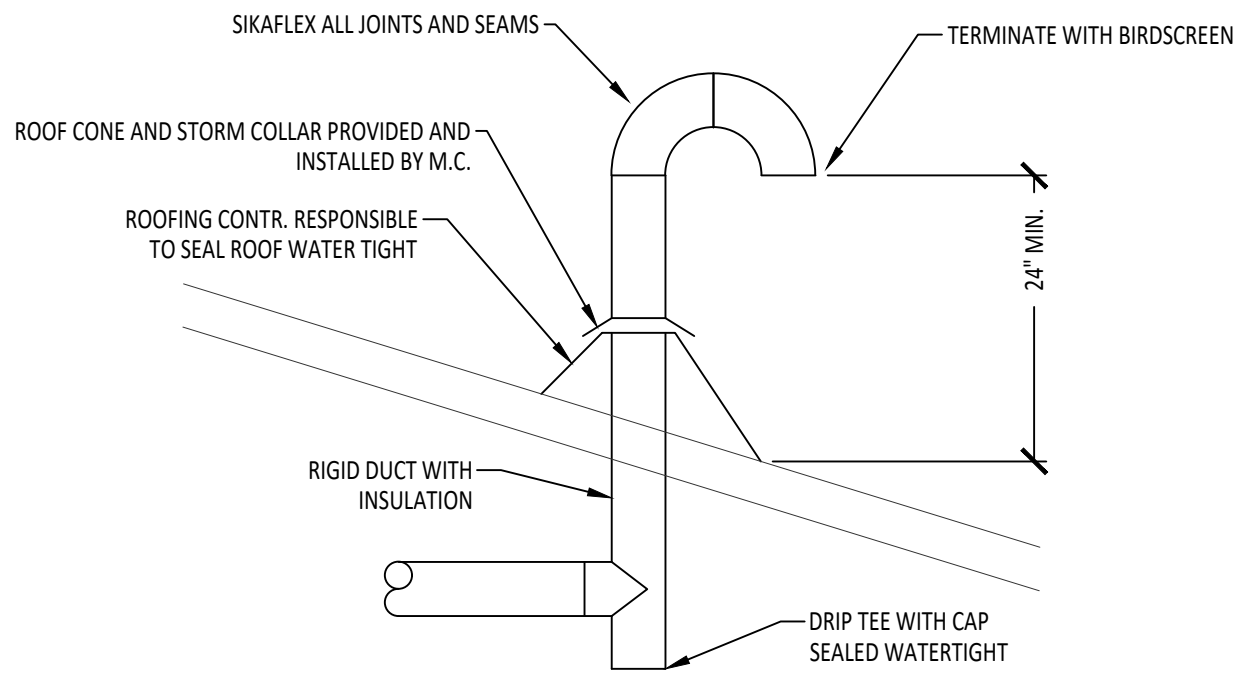
- (1) PROVIDE ELECTRONIC DUCT THERMOSTAT.
(2) PROVIDE PROPORTIONAL SCR CONTROLLER.
(3) PROVIDE AUTOMATIC THERMAL CUTOUT.
(4) PROVIDE AIR FLOW SWITCH.
(5) PROVIDE CONTROL CIRCUIT TRANSFORMER.



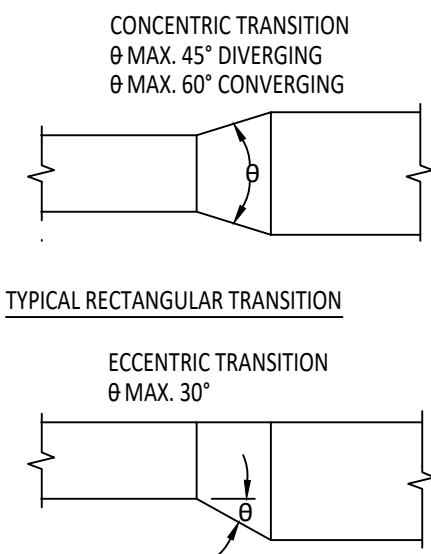
1 DUCT CONNECTION DETAILS
SCALE: NTS



2 TYPICAL EXHAUST AIR GRILLE DETAIL
SCALE: NTS



4 FRESH AIR/EXHAUST AIR GOOSENECK
SCALE: NTS



3 DUCT TRANSITION DETAIL
SCALE: NTS



WSB PROJECT NO.:
016307-000

SCALE: AS SHOWN
DESIGN BY: ANG
PLAN BY: JL
CHECK BY: JL/JPK

REVISIONS

NO	DATE	DESCRIPTION

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.

Janie P. Kronbeck
JANIE P. KRONBECK

DATE: 07/31/2020 LIC. NO: 47267

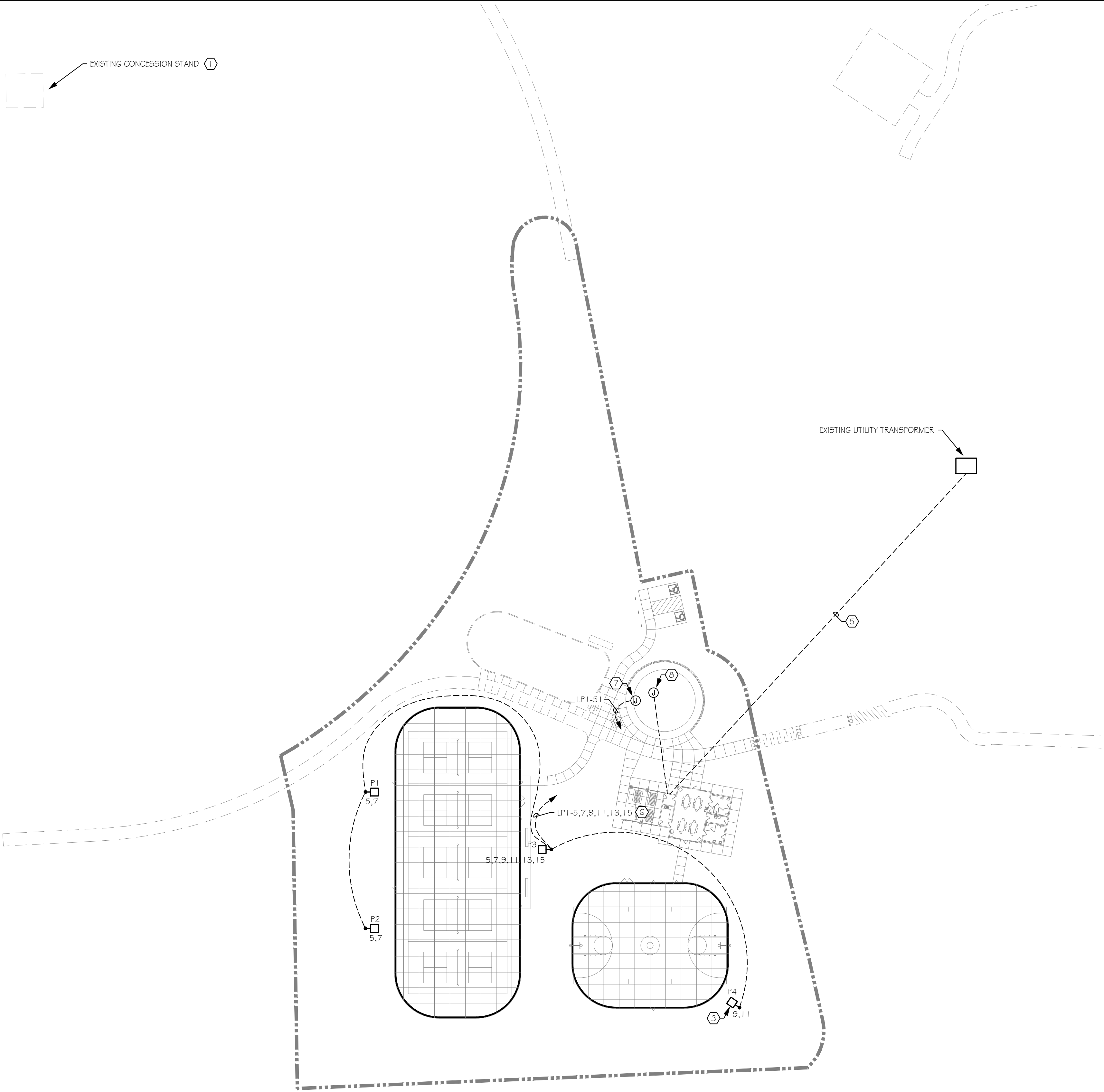
MEMORIAL PARK REDEVELOPMENT PROJECT

CITY OF BRAINERD

HVAC SCHEDULES AND DETAILS

SHEET
M4.0

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1

SITE PLAN - ELECTRICAL

1" = 40'-0" ON 24 X 36 PAPER

GENERAL NOTES

- COORDINATE ALL ELECTRICAL SERVICE ENTRANCE RELATED WORK WITH LOCAL UTILITY COMPANY PRIOR TO BIDDING PROJECT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED FIRE CAULKING AROUND ELECTRICAL PENETRATIONS AS REQUIRED TO MAINTAIN FIRE RATINGS.
- ALL WIRING SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO NO MORE THAN 3 PERCENT FROM PANEL TO LAST DEVICE ON CIRCUIT.
- ALL EXISTING DEVICES, ETC. ARE BASED ON CASUAL OBSERVATION AND MUST BE FIELD VERIFIED BY THE ELECTRICAL CONTRACTOR. E.C. SHALL REMOVE ALL ELECTRICAL ITEMS AS REQUIRED TO ACCOMPLISH NEW CONSTRUCTION. REMOVE ALL ABANDONED CONDUIT AND WIRING BACK TO SOURCE AND COVER ANY OPENINGS WITH BLANK PLATES AS PER NEC.
- CONTACT MUSCO LIGHTING FOR SITE LIGHT POLE AND POLE BASE REQUIREMENTS.

ELECTRICAL NOTES

- PROVIDE LIGHTING CONTACTOR IN INDICATED CONCESSION STAND TO CONTROL EXISTING EXTERIOR FIELD LIGHTING CIRCUITS. INTERCEPT EXISTING CIRCUITS IN ELECTRICAL GUTTER BELOW EXISTING FIELD LIGHTING PANEL. REROUTE THROUGH NEW LIGHTING CONTACTOR. FIELD VERIFY EXACT CONTACTOR SIZE REQUIREMENTS. REFER TO DETAILS 1 AND 2 ON SHEET 4 FOR ADDITIONAL INFORMATION.
- ROUTE THROUGH RINK LIGHTING CONTROL CONTACTOR LOCATED IN UTILITY ROOM. REFER TO LIGHTING FLOOR PLAN ON SHEET #2 FOR ADDITIONAL INFORMATION.
- PROVIDE LIGHT 'P4' AND ASSOCIATED POWER CONNECTIONS UNDER ALTERNATE BID E1 ONLY.
- APPROXIMATE LOCATION OF EXISTING 120/240V, SINGLE PHASE UTILITY TRANSFORMER. FIELD VERIFY EXACT LOCATION OF TRANSFORMER PRIOR TO BID.
- APPROXIMATE ROUTING OF NEW UNDERGROUND SERVICE FEEDERS. VERIFY WITH OWNER AND UTILITY COMPANY.
- ROUTE CIRCUITS THROUGH LIGHTING CONTROLS. REFER TO SHEET 2 FOR ADDITIONAL LIGHTING INFORMATION. VERIFY RECOMMENDED CIRCUIT AND INSTALLATION REQUIREMENTS OF LIGHT FIXTURES WITH MUSCO LIGHTING.
- PROVIDE 120V CONNECTION TO SPLASH PAD EQUIPMENT PROVIDED BY OTHERS. VERIFY AREA CLASSIFICATION REQUIREMENTS AND INSTALL LOCATION WITH SUPPLIER PRIOR TO TRENCHING.
- PROVIDE (1) 2" CONDUIT WITH (1) CATEGORY 6 AND (1) 1/4" CABLES ROUTED FROM SPLASH PAD TO ELECTRICAL ROOM. VERIFY CONTROL REQUIREMENTS WITH SUPPLIER.

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	HOMERUN TO PANELBOARD. CROSSMARKS INDICATE QUANTITY OF CONDUCTORS (NOT INCLUDING GROUND CONDUCTOR). NO MARKS INDICATE TWO CONDUCTORS. LETTERS AND NUMBERS INDICATE PANEL AND CIRCUITS. PROVIDE CODE SIZED GROUND CONDUCTOR IN EACH CONDUIT.	
	CEILING SURFACE MOUNTED FIXTURE	
	WALL MOUNTED FIXTURE.	AS NOTED
	SURFACE MOUNTED FIXTURE	
	EMERGENCY BATTERY PACK.	90"
	EXIT LIGHT - CEILING MOUNTED	
	EXIT LIGHT - WALL MOUNTED.	90"
	SINGLE POLE SWITCH.	42"
	TWO POLE SWITCH.	42"
	THREE-WAY SWITCH.	42"
	FOUR-WAY SWITCH.	42"
	PHOTOCELL	
	OCCUPANCY SENSOR	
	DUPLEX RECEPTACLE (WP-WEATHERPROOF, G-GROUND FAULT CIRCUIT INTERRUPTER, AC-ABOVE COUNTER)	18"
	DOUBLE DUPLEX RECEPTACLE.	18"
	SPECIAL PURPOSE RECEPTACLE.	AS NOTED
	JUNCTION BOX	
	ELECTRIC UNIT HEATER	
	CABINET UNIT HEATER	
	MOTOR	
	DISCONNECT.	54" TO HANDLE
	PANELBOARD.	72" TO TOP
	METER	
	REFERS TO PLAN NOTES	

NOTE: ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE



VE PROJECT NO.:
20068

SCALE: AS SHOWN
DESIGN BY: NLN
PLAN BY: ARV
CHECK BY: TDV

REVISIONS	
NO.	DESCRIPTION

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TROY D. VAREBERG

DATE: 08/03/2020 LIC. NO.: 25261

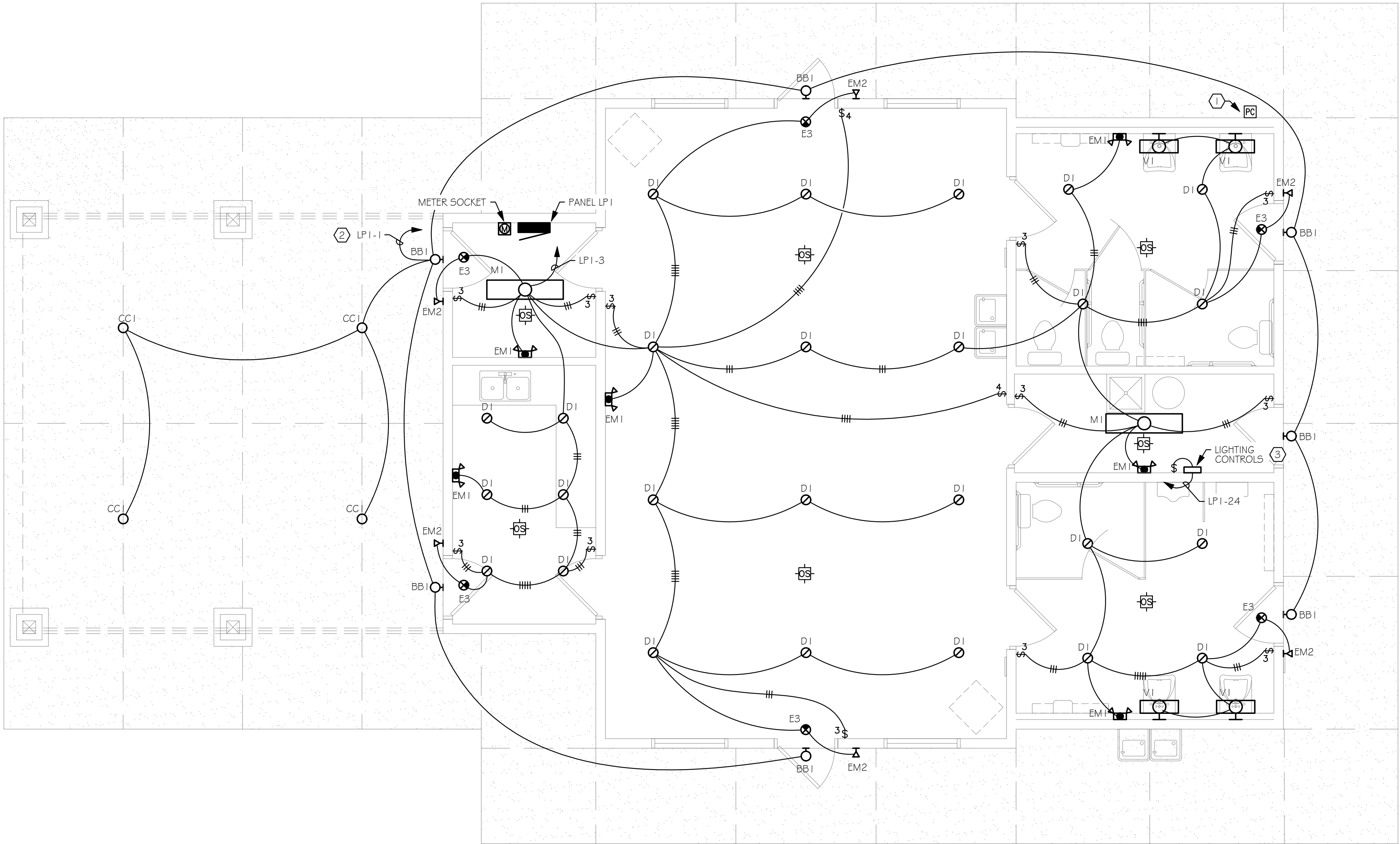
MEMORIAL PARK REDEVELOPMENT
PROJECT
CITY OF BRAINERD

SITE PLAN -
ELECTRICAL

SHEET
1
OF
4



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GENERAL NOTES

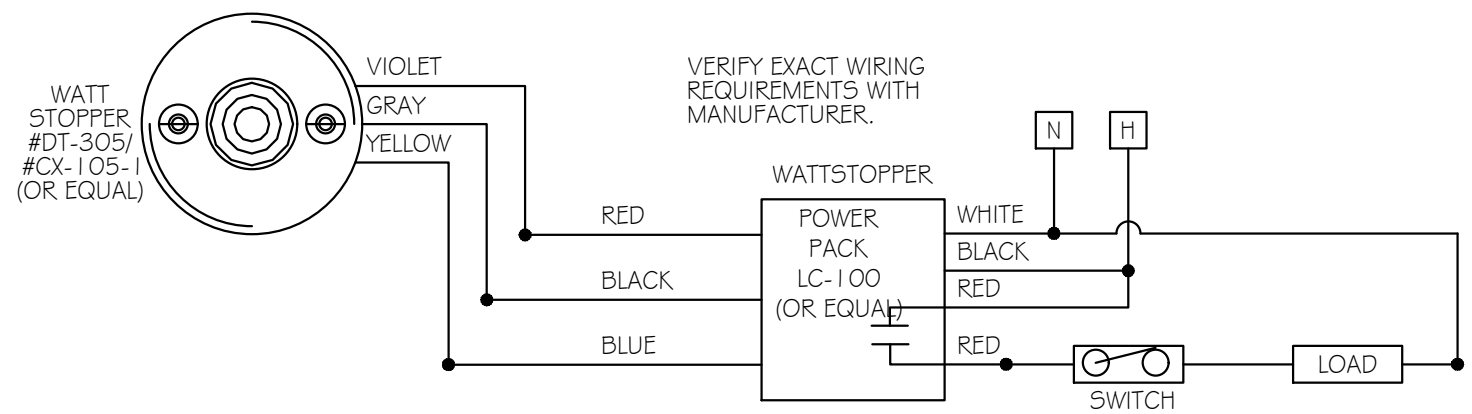
1. EXIT SIGNS AND EMERGENCY BATTERY PACKS TO BE CONNECTED TO UNSWITCHED LIGHTING CIRCUIT.
2. REFER TO DETAIL 2 ON THIS SHEET FOR OCCUPANCY SENSOR INFORMATION.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED FIRE CAULKING AROUND ELECTRICAL PENETRATIONS AS REQUIRED TO MAINTAIN FIRE RATINGS.
4. ALL WIRING SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO NO MORE THAN 3 PERCENT FROM PANEL TO LAST DEVICE ON CIRCUIT.

ELECTRICAL NOTES

1. PROVIDE PHOTOCELL (INTERMATIC #K4321 OR EQUAL) TO BUILDING MOUNTED EXTERIOR LIGHTS. REFER TO DETAIL 3 ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ROUTE THROUGH EXTERIOR LIGHTING CONTROLS. REFER TO DETAIL 3 ON THIS SHEET FOR ADDITIONAL INFORMATION.
3. PROVIDE LIGHTING CONTACTOR WITH PHOTOCELL AND MANUAL CONTROL SWITCH. PHOTOCELL TO CONTROL EXTERIOR BUILDING MOUNTED LIGHTS, SWITCH TO CONTROL EXTERIOR RINK, POLE MOUNTED LIGHTS. FIELD VERIFY EXACT MOUNTING LOCATION. REFER TO DETAIL 3 ON THIS SHEET FOR ADDITIONAL INFORMATION.

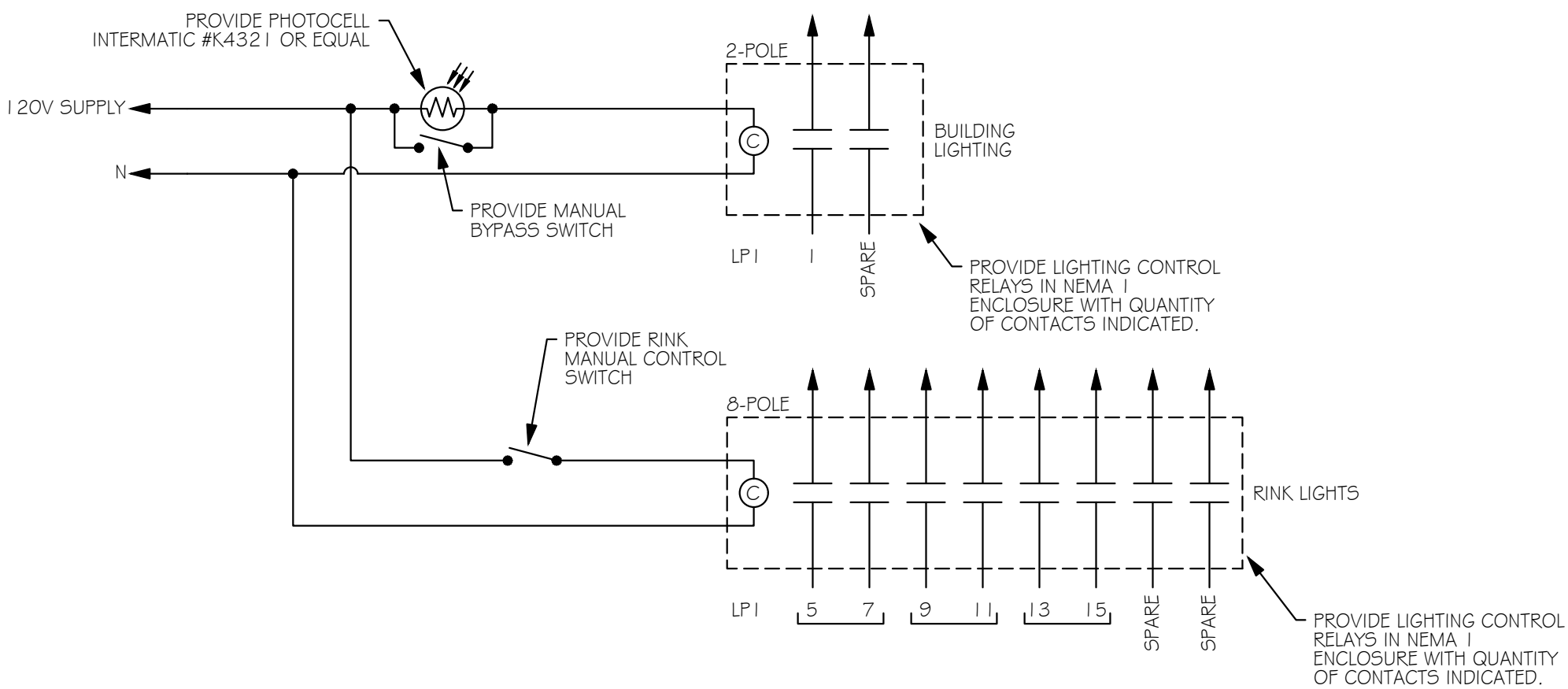
1 FLOOR PLAN - LIGHTING

1/4" = 1'-0" ON 24 X 36 PAPER



2 OCCUPANCY SENSOR DETAIL

NO SCALE



3 LIGHTING CONTROL DETAIL

NO SCALE

REVISIONS

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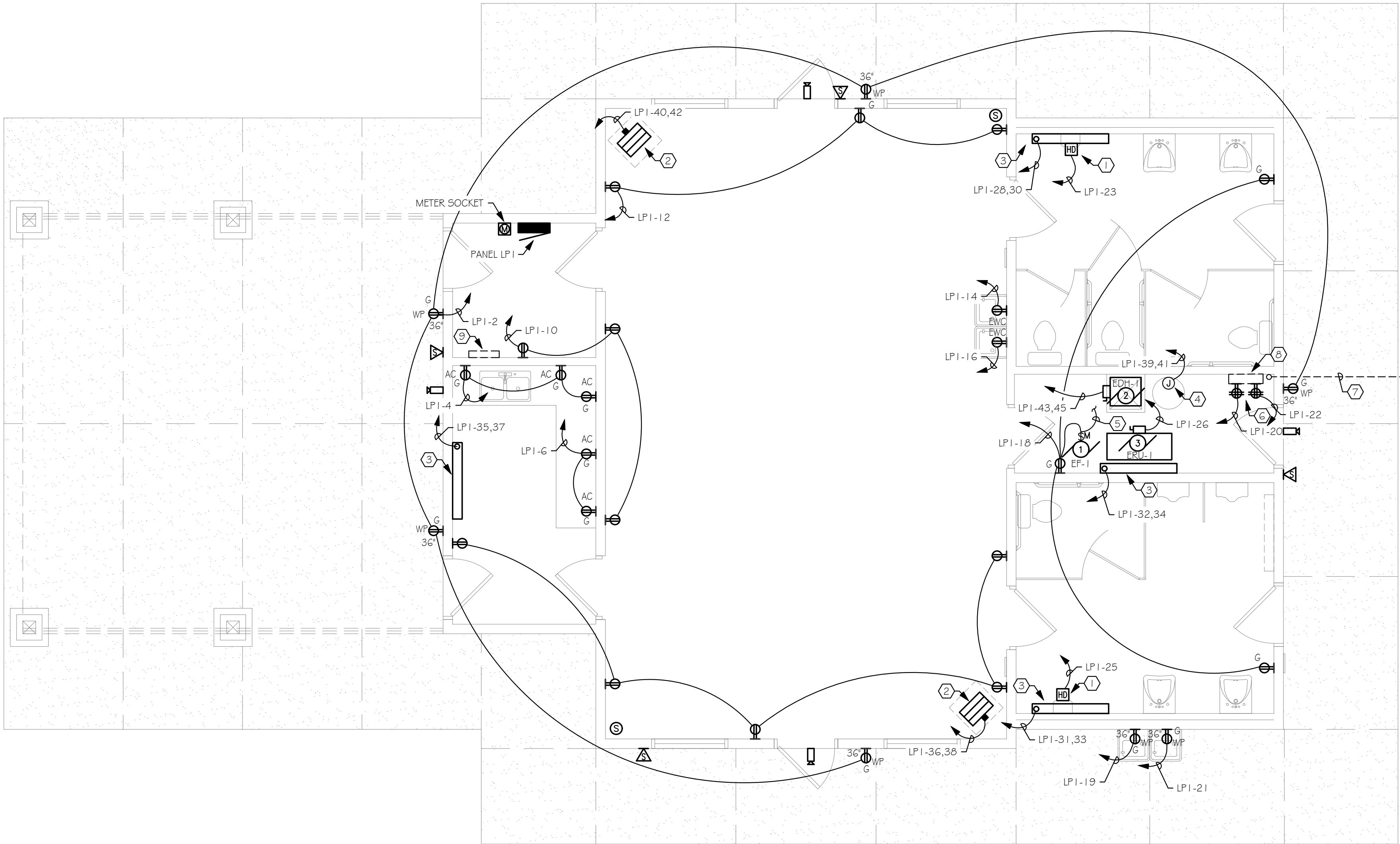
MEMORIAL PARK REDEVELOPMENT
PROJECT

CITY OF BRAINERD

FLOOR PLAN -
LIGHTING

SHEET
2
OF
4

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1

FLOOR PLAN - POWER & SYSTEMS

1/4" = 1'-0" ON 24 X 36 PAPER

PANELBOARD LP1 SERVICE RATED		VOLTAGE: 120/240 PHASE: 1 WIRES: 3 AIC: 10,000			MOUNTING: SURFACE BUSS SIZE: 250A MAIN MAIN: 250A MAIN CIRCUIT BREAKER LOCATION:						
LOAD DESCRIPTION	LOAD VA	NO. POLES	TRIP AMPS	POLE NO.	LINE LOAD A	POLE NO.	TRIP AMPS	NO. POLES	LOAD VA	LOAD DESCRIPTION	
LIGHTING - EXTERIOR	1000	1	20	1	1906	2	20	1	906	RECEPTACLES - EXTERIOR	
LIGHTING - INTERIOR	1000	1	20	3		1540	4	20	1	540	RECEPTACLES - KITCHEN
LIGHTING - COURT/RINK CIRCUIT 1	2500	2	40	5	2860	6	20	1	360	RECEPTACLES - KITCHEN	
-	2500	-	-	7		3400	8	20	1	900	RECEPTACLES - CONVENIENCE
LIGHTING - COURT/RINK CIRCUIT 2	3000	2	40	9	3540	10	20	1	540	RECEPTACLES - CONVENIENCE	
-	3000	-	-	11		3540	12	20	1	540	RECEPTACLES - CONVENIENCE
LIGHTING - COURT/RINK CIRCUIT 3	1500	2	40	13	2000	14	20	1	500	RECEPTACLES - EWC	
-	1500	-	-	15		2000	16	20	1	500	RECEPTACLES - EWC
SPARE		1	20	17	540	18	20	1	540	RECEPTACLES - BATHROOM	
RECEPTACLES - EXTERIOR EWC	500	1	20	19		1500	20	20	1	1000	RECEPTACLES - I.T.
RECEPTACLES - EXTERIOR EWC	500	1	20	21	1500	22	20	1	1000	RECEPTACLES - I.T.	
HAND DRYER	1450	1	20	23		1950	24	20	1	500	LIGHTING CONTACTOR
HAND DRYER	1450	1	20	25	2662	26	15	1	1212	ERV-1	
SPARE		1	20	27		1250	28	20	2	1250	BATHROOM HEATER
SPARE		1	20	29	1250	30	-	-	1250	-	
BATHROOM HEATER	1250	2	20	31		2500	32	20	2	1250	MECH HEATER
-	1250	-	-	33	2500	34	-	-	1250	-	
KITCHEN HEATER	1250	2	20	35		3500	36	30	2	2250	SUSPENDED HEATER
-	1250	-	-	37	3500	38	-	-	2250	-	
WATER HEATER	2250	2	30	39		4500	40	30	2	2250	SUSPENDED HEATER
-	2250	-	-	41	4500	42	-	-	2250	-	
EDH-1	1500	2	20	43		1500	44	20	2		SPARE
-	1500	-	-	45	1500	46	-	-	-	-	-
SPARE		2	20	47		0	48	20	1		SPARE
-		-	-	49	0	50	20	1			SPARE
SPLASH PAD	1600	2	20	51		1600	52	20	1		SPARE
SPARE		1	20	53	0		54	20	1		SPARE
SPARE		1	20	55		0	56	20	1		SPARE
SPARE		1	20	57	0		58	20	1		SPARE
SPARE		1	20	59		0	60	20	1		SPARE
TOTALS:					28258	28780	VA				
							57038 VA				
							237.66 AMPS				
							AMPS				

MOTOR SCHEDULE																								
MOTOR NO.	EQUIPMENT DRIVEN	POWER								LOCATION				CONTROLLER				REMARKS						
		HP	KW	F.L.A.	MCA	MOP	VOLTAGE	PHASE	CIRCUIT	WIRE	MOTOR	CONTROLLER	DISCONNECT	CONTROLS	TOGGLE SWITCH	MAN. STARTER	VAR. FREQ. DRIVE		MAG. STARTER	STARTER SIZE	PILOT LIGHT	AUX. CONTACTS	CONTROLLER BY	DISCONNECT BY
1	EXHAUST FAN EF-1		0.2			120	1	LP1-3	2#12	BATH												MC	EC	NOTE 1
2	ELECTRIC DUCT HEATER EDH-1		5			240	1	LP1-43,45	2#10	MECH												MC	EC	
3	ENERGY RECOVERY UNIT ERU-1				10	15	120	1	LP1-3	2#12	MECH											MC	EC	

NOTES:
1. INSTALL M.C. PROVIDED TIME CLOCK AS MEANS OF CONTROL. COORDINATE INSTALLATION AND ELECTRICAL REQUIREMENTS WITH M.C.

GENERAL NOTES

1. PROVIDE ALL BACKING MATERIAL AND CAULKING AS REQUIRED TO MAINTAIN FIRE AND SMOKE RATINGS AROUND ALL EXISTING AND NEW ELECTRICAL PENETRATIONS, AS PER NEC 300.21.
2. PROVIDE INTEGRAL, TAMPER PROOF THERMOSTATS FOR ALL ELECTRICAL HEATERS.

ELECTRICAL NOTES

1. PROVIDE 120V, BATHROOM HAND DRYER, (XLERATOR #XL-W OR EQUAL).
2. PROVIDE 5KW, 240V, SINGLE PHASE SUSPENDED HEATER (MARLEY #HUH524TA OR EQUAL). PROVIDE INTEGRAL, TAMPER PROOF THERMOSTAT. VERIFY WITH MANUFACTURER.
3. PROVIDE 2.5KW, 240V SINGLE PHASE ELECTRIC HEATER (MARLEY #25408W OR EQUAL). PROVIDE INTEGRAL, TAMPER PROOF THERMOSTAT. VERIFY WITH MANUFACTURER.
4. PROVIDE 240V, SINGLE PHASE CONNECTION TO M.C. FURNISHED WATER HEATER. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH M.C.
5. INSTALL AND CONNECT TO M.C. FURNISHED TIME CLOCK CONTROLLER.
6. PROVIDE DEDICATED RECEPTACLES FOR OWNER FURNISHED I.T. AND SECURITY EQUIPMENT.
7. PROVIDE (2) 2" CONDUITS RATED 7'-0" BEYOND BUILDING EXTERIOR FOR COMMUNICATIONS.
8. APPROXIMATE LOCATION OF OWNER PROVIDED I.T./SECURITY EQUIPMENT.
9. APPROXIMATE LOCATION OF SPLASH PAD CONDUIT STUDS.

SYSTEMS SYMBOL LEGEND		
SYMBOL		
	SPEAKER - PROVIDE 18/2 SPEAKER WIRE ROUTED FROM INDICATED LOCATION TO I.T./SECURITY EQUIPMENT LOCATED IN MECHANICAL ROOM.	
	PROVIDE ROUGH-IN FOR SECURITY CAMERA FURNISHED BY OTHERS. PROVIDE 4" SQUARE JUNCTION BOX WITH 1" CONDUIT ROUTED TO ACCESSIBLE CEILING SPACE. ROUTE (1) R66 PLENUM RATED CABLE BACK TO SECURITY EQUIPMENT IN MECHANICAL ROOM. VERIFY CAMERA POSITION AND MOUNTING HEIGHT WITH OWNER.	

NOTE: ALL MOUNTING HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE



VE PROJECT NO.:
20068

SCALE: AS SHOWN
DESIGN BY: NLM
PLAN BY: ARV
CHECK BY: TDV

REVISIONS

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TROY D. VAREBERG

DATE: 08/03/2020 LIC. NO: 25261

MEMORIAL PARK REDEVELOPMENT
PROJECT

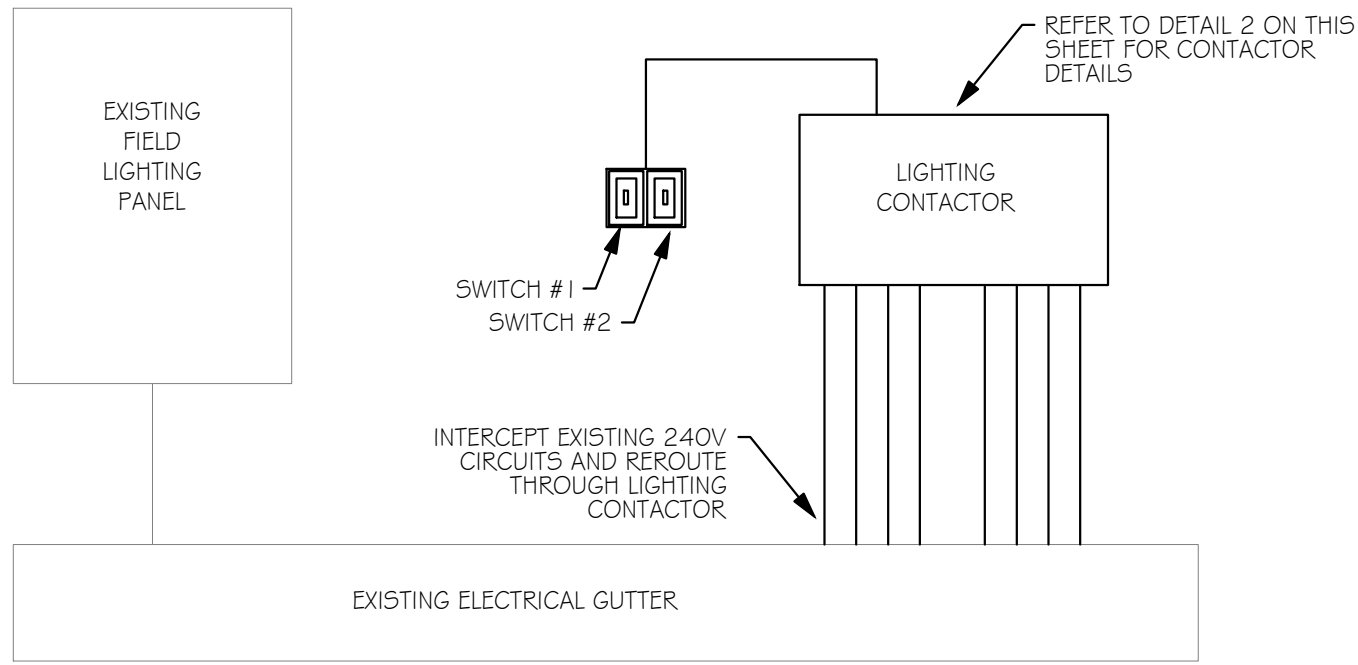
CITY OF BRAINERD

FLOOR PLAN -
POWER &
SYSTEMS

SHEET
3
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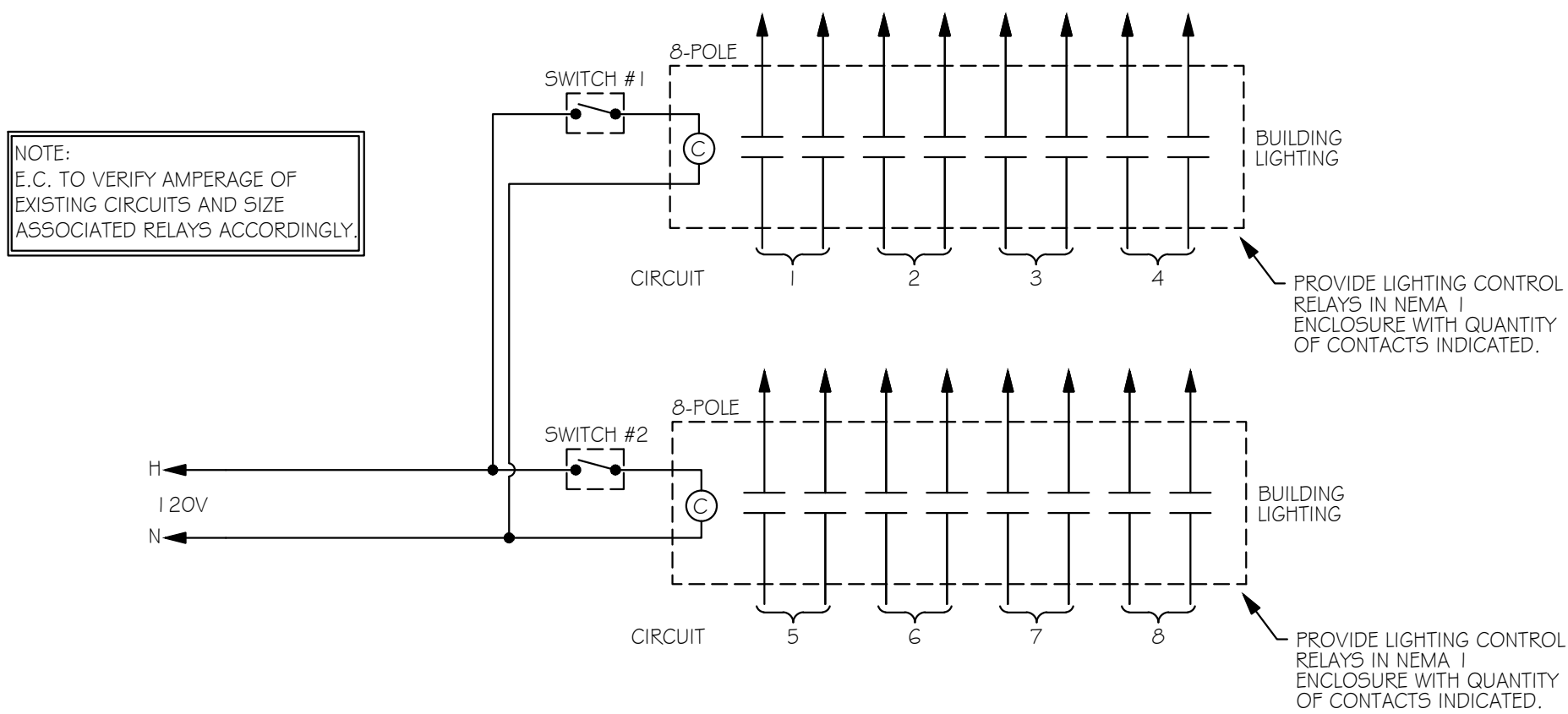


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1 FIELD LIGHTING CONTROL ELEVATION

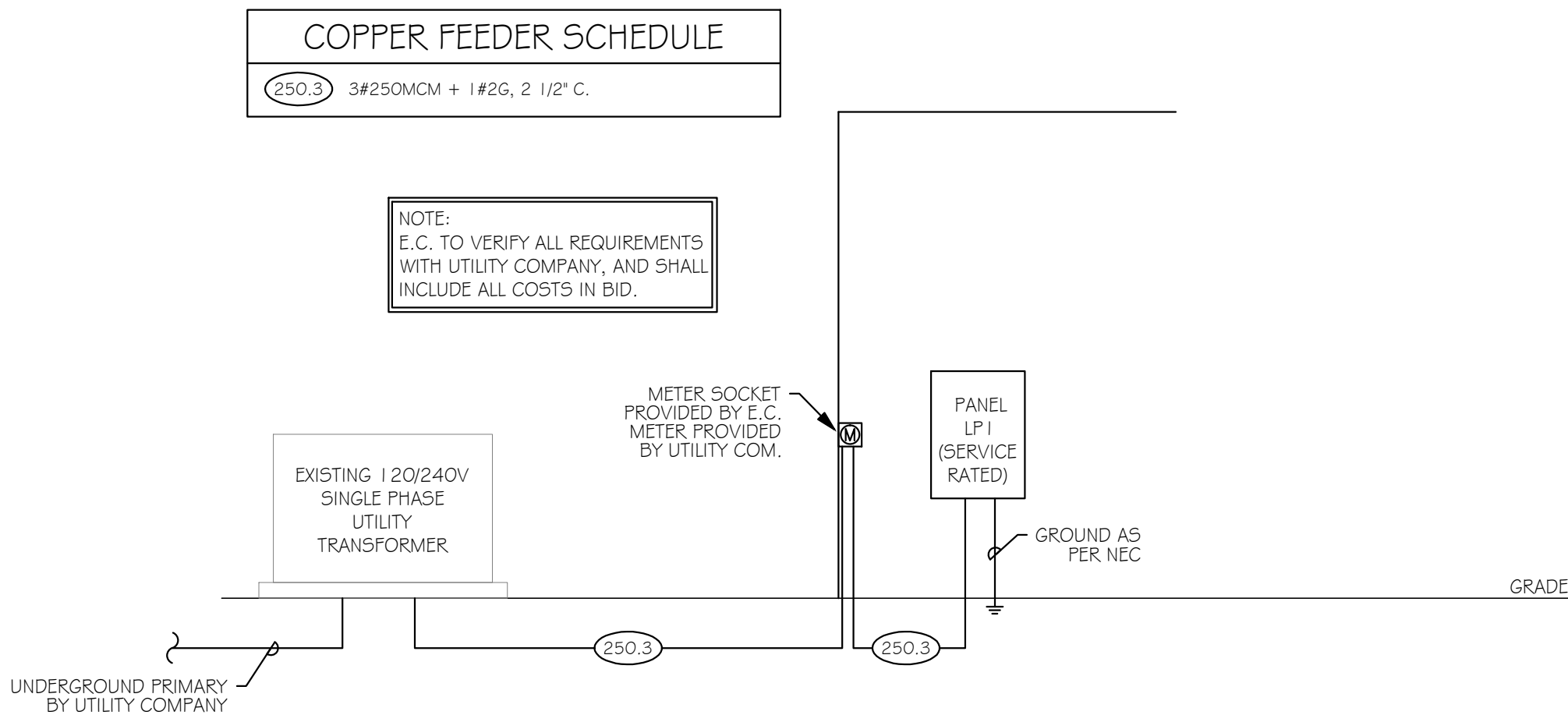
NO SCALE



2 FIELD LIGHTING CONTROL DIARGAM

NO SCALE

LIGHT FIXTURE SCHEDULE												
FIXT. TYPE LETTER	MANUFACTURER	CATALOG NUMBER	MOUNTING	VOLTS	LAMP DATA			TOTAL FIXTURE WATTAGE	TOTAL FIXTURE LUMENS	DRIVER DATA		REMARKS
					TYPE	MIN CRI	COLOR TEMP. (K)			TYPE	#	
D1	HALO	SLDG12-8-35-WH-UNV-JB-SLDGTRMMWH	RECESSED	UNV	LED	-	3500	15	1200	LED DRIVER	1	JUNCTION BOX MOUNTED SHALLOW SURFACE MOUNTED FIXTURE.
E3	SURE LITES	LPXRSSD	VARIABLE	UNV	LED	-	-	-	-	-	-	EXIT SIGN WITH REMOTE EGRESS LIGHT CAPABILITY.
EM1	SURE LITES	SEL25	VARIABLE	UNV	LED	-	-	-	-	-	-	EMERGENCY EGRESS LIGHT FIXTURE.
EM2	SURE LITES	SRM30	VARIABLE	UNV	LED	-	-	-	-	-	-	EXTERIOR EMERGENCY EGRESS LIGHT FIXTURE.
M1	METALLUX	4SL5TP4035DD-UNV	SURFACE	UNV	LED	-	3500	41	4695	-	-	4' LED STRIPLIGHT.
V1	METALLUX	2SWLED-20SL-LW-UNV-L835-CD1	WALL	UNV	LED	-	3500	20.6	1987	-	-	2' LED WALL MOUNTED FIXTURE.
BB1	LUMARK	XTOR3B-W-BZ	WALL	UNV	LED	-	4000	26	2710	-	-	EXTERIOR ABOVE DOOR LIGHT FIXTURE.
CC1	LUMARK	RPGC2SS	SURFACE	UNV	LED	-	4000	31	3690	-	-	UNDER CANOPY EXTERIOR LIGHT FIXTURE.
P1	MUSCO	(2) TLC-LED-900	POLE	240	LED	-	4000	2208		-	-	DOUBLE LUMINAIRE EXTERIOR POLE LIGHT FIXTURE ARRAY. PROVIDE ASSOCIATED 50' POLE.
P2	MUSCO	(2) TLC-LED-900	POLE	240	LED	-	4000	2208		-	-	DOUBLE LUMINAIRE EXTERIOR POLE LIGHT FIXTURE ARRAY. PROVIDE ASSOCIATED 50' POLE.
P3	MUSCO	(2) TLC-LED-1500 / (3) TLC-LED-900 / (2) TLC-LED-1200	POLE	240	LED	-	4000	9792		-	-	MULTI-LUMINAIRE EXTERIOR POLE LIGHT FIXTURE ARRAY. PROVIDE ASSOCIATED 60' POLE.
P4	MUSCO	TLC-LED-1200	POLE	240	LED	-	4000	2928		-	-	DOUBLE LUMINAIRE EXTERIOR POLE LIGHT FIXTURE ARRAY. PROVIDE ASSOCIATED 50' POLE. PROVIDE UNDER ALTERNATE BID E1 ONLY.



3 ONE-LINE DIAGRAM

NO SCALE

Presented by:
Stacy Strand
Flagship Recreation
218-252-9330
stacy@flagshipplay.com

Proposal # 1146538-01-01
November, 2020



Proposal for:
Memorial Park
SPLASH PAD



952.445.5135 | 877.632.0503 | aquatix.playlsi.com

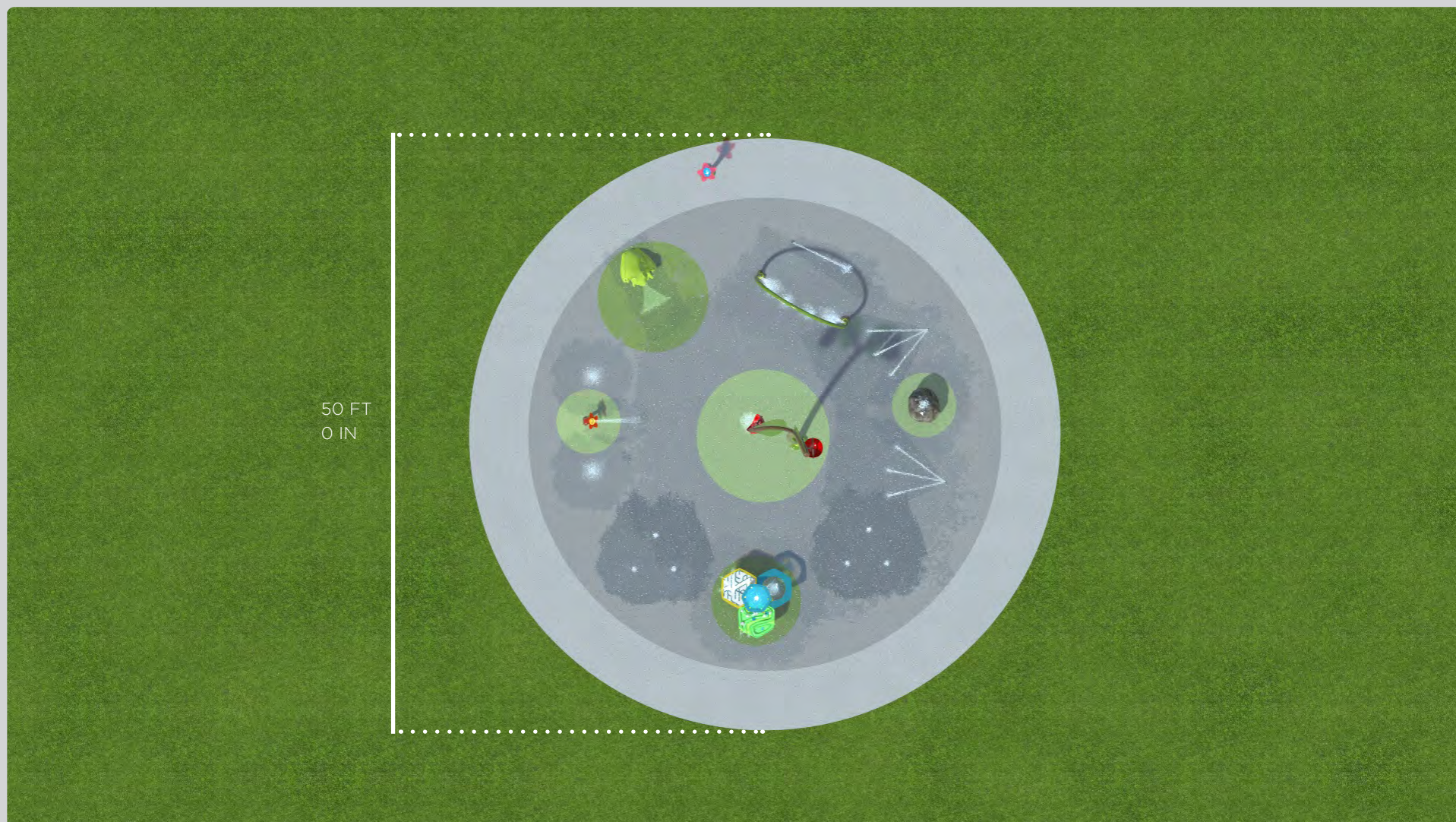


Front view for: **Memorial Park** SPLASH PAD



*All products are shown as conceptual only.

Overhead view for: **Memorial Park** SPLASH PAD



*All products are shown as conceptual only.

Overall pad dimensions: 50' 0" x 50' 0" **Total System Flow Rate:** 70 GPM

Color Palette for: **Memorial Park** SPLASH PAD



Color Palette

Custom



Color selection approved- as shown above

X

Customer Signature

Alternate view for: **Memorial Park** SPLASH PAD



*All products are shown as conceptual only.

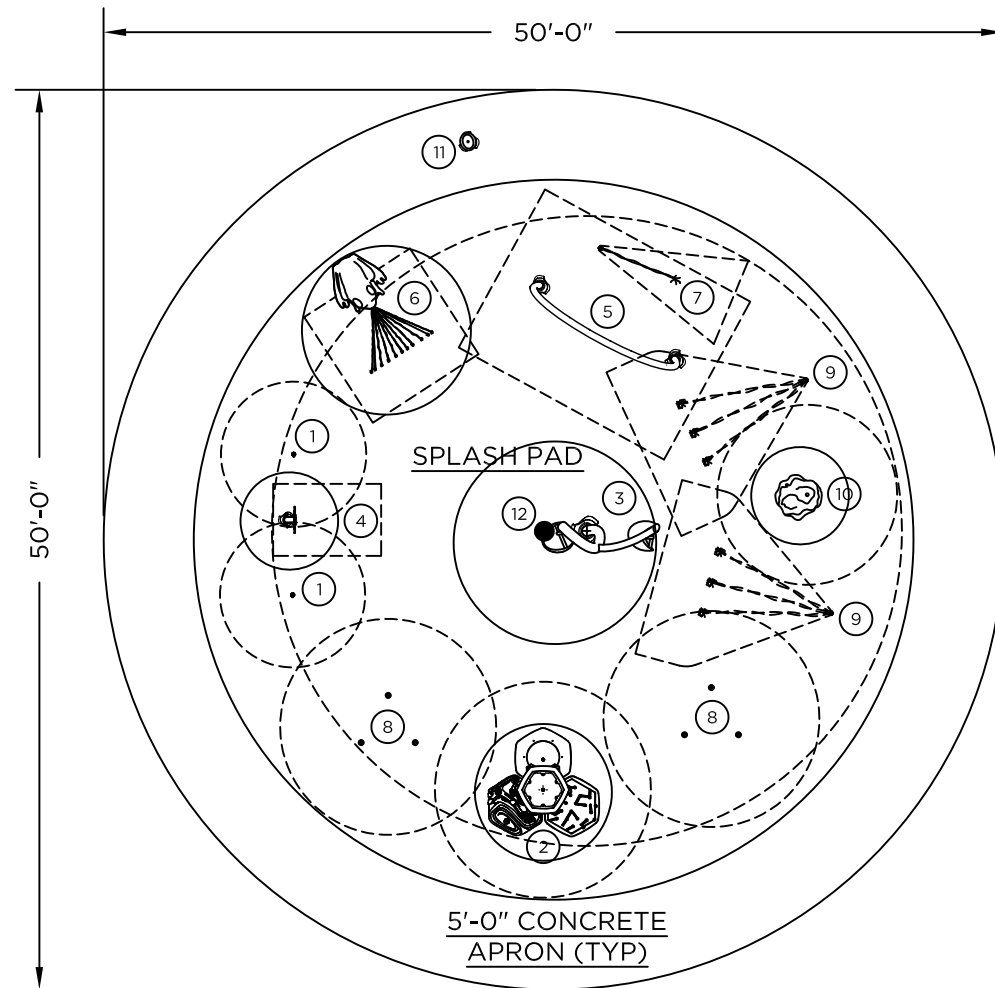
Alternate view for: **Memorial Park** SPLASH PAD



*All products are shown as conceptual only.

NOT FOR
CONSTRUCTION

NO	PRODUCT	QTY	GPM	LINE SIZE
1	TRIPLE MIST NOZZLE	2	3 EA	1" EA
2	AQUAGATHER STATION	1	10	1"
3	BUCKETDUO WITH ACRYLIC	1	15	1½"
4	FLORASPOUT	1	2	1"
5	RIPPLERUN SMALL RUNG	1	10	1"
6	SPLASHPACK FROG	1	10	1½"
7	ARCH JET	1	1	1"
8	STREAM JET TRIANGLE	2	3 EA	1" EA
9	TRIPLE ARCH JET	2	2.5 EA	1" EA
10	STONE BOULDER	1	5	1½"
11	FLOWER AQUAVATOR	1	--	--
12	DRAIN BOX	1	--	--



NOTE:

1. ALL CONCRETE SLOPES TO BE 1/8"/FT MIN. AND 1/4"/FT MAX.
2. SITE ELEVATIONS OF SPLASH PAD AND CONCRETE APRON TO BE VERIFIED BY OTHERS. AQUATIX ELEVATION REFERENCE IS 0'-0" FOR TOP OF DRAIN BOX. ALL OTHER NOTED ELEVATIONS ARE REFERENCED FROM THAT POINT.
3. REFER TO SPEC SHEET AND INSTALLATION DRAWING FOR EACH PRODUCT.
4. ACTUAL SIZE, SHAPE, AND LOCATION OF SPLASH PAD TO BE FIELD DETERMINED BY OTHERS. ALL DIMENSIONS OF SIZE AND SHAPE OF SPLASH PAD FOR REFERENCE ONLY.
5. THE INTENT OF A SPLASH PAD IS TO BE A DRY DECK WITH NO STANDING WATER. THE WATER IS TO BE CONTAINED WITHIN THE PERIMETER OF THE SPLASH PAD AND ALL WATER IS TO DRAIN INTO THE DRAIN BOXES. THE CONCRETE IS TO BE FORMED AND SLOPED TO ACCOMMODATE THIS DRAIN PATTERN.
6. ALL TREATED SPLASH PAD WATER IS INTENDED TO REMAIN WITHIN DESIGNATED SPLASH PAD DECK. UNDER NO CIRCUMSTANCES SHOULD SLOPE OF SPLASH PAD ALLOW WATER TO DRAIN OFF PAD.
7. UNDER NO CIRCUMSTANCES SHALL THE SURROUNDING HARDSCAPE AREA BE SLOPED TO ALLOW WATER TO BE DRAINED INTO THE SPLASH PAD DECK.
8. ALL CONCRETE SURFACES TO HAVE A MEDIUM BROOM FINISH.
9. COORDINATE EXPANSION JOINT AND SAW CUT LOCATIONS WITH PLAY EQUIPMENT LOCATIONS.
10. DRAWINGS ARE FOR DESIGN/LAYOUT PURPOSES ONLY. PLEASE SEE AQUATIX BY LANDSCAPE STRUCTURES FOR INCLUDED STRUCTURES, EQUIPMENT, SERVICES, AND EXCLUSIONS.
11. ———INDICATES SPLASH ZONE.
12. SPLASH ZONES ARE APPROXIMATE. ACTUAL SPLASH ZONE MAY VARY BASED ON VARIOUS ENVIRONMENTAL CONDITIONS, FLOW RATES, SLOPE OF THE SPLASH PAD, SUBMERGENCE DEPTH AND WIND.
13. DRAWINGS ARE SCHEMATIC ONLY.
14. SUB-CUT EXCAVATION UNDER SPLASH PAD MIN. 18" FOR GRANULAR FILL.
15. CONSTRUCTION OF SPLASH PAD CONCRETE TO BE 5" THICK, 4,000 PSI CONCRETE WITH #4 BARS SPACED 12" O.C. EACH WAY OR AN EQUIVALENT WELDED WIRE MESH (EQUIVALENT MESHES INCLUDE W6 ON 4" X 4" SPACING OR W10 ON 6" X 6" SPACING. CONCRETE PAD TO HAVE REQUIRED EXPANSION JOINTS EVERY 20' X 20', SAW-CUT JOINTS EVERY 10' AND THICKEN PROFILES AT EDGE OF PAD AND AT EACH STRUCTURE/EMBED.
16. CONSTRUCTION OF 5' APRON AROUND PERIMETER OF SPLASH PAD TO BE 4" THICK, WIRE MESH REINFORCED, 3500 PSI CONCRETE. APRON TO INCLUDE EXPANSION JOINT AT PERIMETER EDGE OF SPLASH PAD AND NEEDED SAW-CUT JOINTS.
17. SCHEDULE 80 PVC TO BE UTILIZED FOR ALL SPLASH PAD MECHANICAL SYSTEM PIPING.

SPLASH PAD AREA: 1257 SQ FT.
TOTAL AREA: 1964 SQ FT.
TOTAL FEATURE FLOW RATE: 70 GPM

6500 CARLSON DRIVE
EDEN PRAIRIE, MN 55346-1729
877-632-0503
Local 952-445-5135
Fax 952-345-6444
aquatix.playlsi.com



PROPOSAL TITLE
MEMORIAL PARK

LOCATION
BRainerd, MN

DATE	11/2/20
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FILE	
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DWG	
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CHECKED

3	

DRA	
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SCALE
TO SCALE

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1146538-01-03



Please Make PO's & Contracts Out To:

Landscape Structures
601 7th St. S
Delano, MN 55328

Please Remit Payment To:

Landscape Structures
601 7th St. S
Delano, MN 55328

We are pleased to submit this proposal to supply the following products/services:

[illegible]

Quotes from Flagship Recreation, Inc. are subject to current Flagship Recreation, Inc. policies as well as Terms & Conditions, Inclusions & Exclusions outlined below unless noted otherwise on this quote. Changes are subject to price adjustment. Sales tax, if applicable, will be applied unless a tax-exempt certificate is provided at the time of order entry. Customer deposits, if required, must be received before orders will be entered & installation scheduled. Purchases in excess of \$1,000.00 must be supported by a formal Purchase Order made out to Landscape Structures, Inc.

***Terms: Net 30 days; 1.5% finance charge on balances over 30 days**

Terms & Conditions

Contract: Seller's Copy of signed quote represents the contract between Seller and Buyer. This form supercedes all previous communications and negotiations and constitutes the entire agreement between the parties. Any changes to this contract are not binding unless jointly agreed in writing via Change Order.

Quantity: The quantity of merchandise and/or material to be delivered and/or installed shall not vary from the amount specified unless a different amount is first agreed to via Change Order. Changes are subject to price adjustment.

Pricing: Pricing is F.O.B factory. Current year pricing is honored on contracts completed prior to December 3, 2020. Contracts completed after this date are subject to price change.

Responsibility: Landscape Structures shall be responsible for any loss or damage to merchandise until delivered to Buyer at F.O.B destination point. Buyer is responsible for loss or damage thereafter.

Inspection: Merchandise shall be subject to Buyer's inspection within a reasonable time after the arrival at the ultimate destination. Upon inspection, it is the Buyer's responsibility to notify Flagship Recreation if merchandise does not meet requirements of the order.

Project Scope *(This Section For Quotes Including Installation)*

Inclusions:

- One Mobilization
- Public Utility Locates
- Unpacking of Play Equipment
- Assembly of Play Equipment
- Placing, Digging or Surface Mounting Equipment (as specified)
- Concrete for Play Equipment Footings
- Standard Insurance Offer (Detail Provided Upon Request)
- Standard Warranty Offer (Detail Provided Upon Request)
- Standard Wage Rates

Exclusions (Unless Specifically Quoted):

- Accepting & Unloading of Order Prior to Installation
- Storage or Security of Equipment
- Private Utility Locates (irrigation, low voltage, lighting, etc.)
- Additional Labor Due to Site Access. Require 8' Wide Clearance from Staging Area to Play Space.
- Additional Labor and/or Related Costs Due to Subsurface Conditions (Rock, Hardpan, Heavy Clay, Ground Water, etc.)
- Additional Labor and/or Related Costs Due to Working in Unstable Soils (Sand, Pea Rock, Mud, Poor Site Drainage, etc.)
- Offsite Removal of Spoils From Footing Holes or Other Excavation. Can be stockpiled for owner removal or left in play space
- Disposal of Packing Material. Can be Stockpiled for Owner Removal or Deposited in Owners Onsite Dumpster
- Removal of Existing Play Equipment, Border or Safety Surfacing Material
- Site Work of Any Kind. Exclusions include, site grading (owner to provide max slope of 1%), site restoration, drainage, etc.
- Border for Play Space
- Bonding of Any Type
- Permits of Any Kind

Please note, quotes including installation are based on site access and site conditions that have been conveyed to Landscape Structures by the owner/owner's representative and based on ideal conditions required to complete the project as quoted.

Unless addressed prior to the installation quote being issued or specifically documented herein, any issues encountered that impede the progress or completion of the project as quoted will result in additional charges.

Acceptance of Quotation:

Accepted By (Print)	Paul Sandy, City Engr	PO#:	
Signature:		Email:	E-Mail
Title:		Phone:	
Date:		Purchase Amount:	\$193,704.10

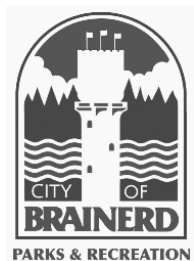


WORK INCLUDED IN ESTIMATE:

- City permitting, submission and associated fee's.
- Provide full time onsite project supervision for project construction and coordination.
- Required site preparation needs such as construction fencing, temporary power, and trash removal services.
- Site drainage as needed to prevent wash-outs, damage to installation work.
- Stripping of site vegetation and top soil. These materials to be stocked piled on site.
- Sub-cut excavation under splash pad slab with min. 12" for granular fill.
- Installation and compaction of granular fill under splash pad.
- Bulk excavation and backfilling of major plumbing trenches.
- Installation of all splash pad embed fixtures and route plumbing to equipment systems.
- Installation of splash pad distribution manifold located within 40ft of splash pad.
- Installation of distribution manifold enclosure on concrete pad.
- Construction of splash pad area including 5ft apron. Splash pad concrete pad to be 5" thick, 3500 psi concrete with reinforcing steel. Splash pad to have needed saw cut joints and be thickened at structures and embed locations. 5ft Concrete apron to be 4" thick, wire mesh reinforced, 3500 psi concrete. Apron to include expansion joint @ perimeter edge of splash pad and needed saw-cut joints.
- Electrical power hookup to systems control panel and power distribution activation bollard.
- Grounding requirements for splash pad reinforcement, embeds and systems.
- Final hookup of water supply line to distribution manifold.
- Final hookup of waste piping from drains at splash pad.
- Installation / assembly of all water feature structures and trim-out of embed fittings.
- Final clean up of splash pad, all structures and embeds prior to system startup.
- Splash pad system startup and balancing.
- Splash pad system operation instructions to owner's personnel.

EXCLUSIONS / CLARIFICATIONS:

- Pricing based on accessibility to site construction to be available. No costs have been added for restricted or limited access for needed construction equipment and materials. No costs have been added for any restoration of landscape, sod, or repair to structures that may be damaged due to normal construction traffic.
- Pricing based on good soil conditions and excess soil to be stock piled at splash pad site. No cost have been added for hauling excess materials off site.
- Electrical power supply to be brought to equipment systems area by others.
- Domestic water supply with approved backflow preventer and pressure regulator by others. Water supply to be brought to location of above ground distribution manifold by others.
- Splash pad drainage line to be brought to splash pad by others.
- Landscaping, fencing, additional sidewalks, pavement areas, signage not included.

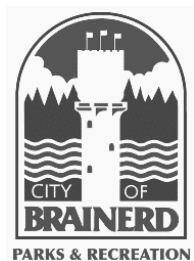


Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Camp Ground Host Update and Discussion

☐ INFORMATION ONLY ☐ ACTION REQUESTED	Action Requested: ☒ Direction Requested ☒ Discussion Item
Submitted by: City Engineer/Interim PW Director Sandy	Department: Parks
Presenter (Name & Title): City Engineer/Interim PW Director Sandy	Estimated Time Needed: 10 Minutes
Summary of Issue: A letter to the campground host regarding the aesthetics of the site during the summer months went out on Friday, January 22, 2021.	
Alternatives, Options, Effects on Others/Comments: This letter addresses the need for general cleanup of the site during the summer of 2021. This conversation also brings up some conversations about the long term goals of the Park Board in relation to the site along with how we bring the campground and reservations, maintenance, paying, etc. into the 21st century. Staff still has to do some research on automated systems that are available for reservations, payments, and other items in relation to the campground, but would also like to have a discussion with the Park Board on what they would like to see. Long term, maybe a gated and code system should be implemented for the campground, while reservations and payments are taken online or at City Hall. Other options are a lock-box system that is checked daily with reservations made online and checks by staff on who is in there and requesting others leave if not reserved and paid. Staff's thought on this is that we have a lot on the plate in 2021 and a lot of changes slated. We would like to pursue something different per what the Park Board desires, but would like some time to do so and implement something that we know will work long term for the site.	
Recommended Action/Motion: Staff recommends that we work with the current camp ground host in 2021 to clean-up the host site and make it more presentable to the public. This would provide us with 2021 to research ideas for automating or changing the way we do things at the campground, getting notification out to our frequent campers that things will be changing (in 2022), and allow us to properly budget changes for 2022.	
Financial Impact: Is there a cost associated with this request: ☐ Yes ☒ No What is the total cost, with tax and shipping \$ _____ Is this budgeted? ☐ Yes ☐ No <u>Please Explain:</u>	



Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Approve Amended Youth Sports Contracts

☐ INFORMATION ONLY

☒ ACTION REQUESTED

Action Requested:

☐ Direction Requested

☐ Discussion Item

Submitted by:

Recreation Coordinator Kaufman

Department:

Parks

Presenter (Name & Title):

Recreation Coordinator Kaufman

Estimated Time Needed:

15 minutes

Summary of Issue:

Staff witnessed some conflict regarding the contracts as written last park board meeting. Staff met with Community Ed and discussed banner sales and came to compromise, Brainerd Parks and Recreation will have sole banner sales responsibility for Brainerd Parks. Brainerd Parks and Recreation will only target Brainerd businesses & Baxter will target Baxter businesses. During discussion we found that quarterly payments instead of a lump sum makes the most sense. Following payment, a quarterly participation/budget report from both YMCA and Community Ed would be given by mid month and then presented at the Park Board meeting preceding report submission.

Alternatives, Options, Effects on Others/Comments:

"Red-lined" versions of both YMCA and Community Ed Contracts have been attached as well as edited versions. City Attorney Langel will need to approve new versions of contracts.

Ms. Cori Reynolds of Community Ed responded to our banner discussion that if we gained sole right to banners it may cause an increase to her cost. An additional \$1,500 is asked from her to add their already approved \$6,000. A total of \$7,500, a quarterly payment of \$1,875. Respectively, the YMCA asking \$5,000 would be assigned a quarterly payment of \$1,250.

Attached is our current Brainerd Parks and Recreation Banner Advertising Contract Form.

Recommended Action/Motion:

Staff recommends approving new edited versions of both YMCA & Community Ed Youth Sports Contracts.

Staff recommends changing banner advertising contract form to include youth fields fence space.

Financial Impact:

Is there a cost associated with this request: ☒ Yes ☐ No

What is the total cost, with tax and shipping \$ 1,500

Is this budgeted? ☐ Yes ☒ No This is an additional cost asked by Community Ed to help cover costs they would have sought from banner sales.
Please Explain:

CITY OF BRAINERD

RECREATION PROGRAM AGREEMENT

This Agreement is entered into effective January 1, 2021, by and between the **City of Brainerd, through its Park and Recreation Board**, and the **Independent School District No. 181**.

Recitals

- A. The City's Park and Recreation Board historically operated a number of youth recreational programs for City residents.
- B. The Board determined that it would be in the best interests of the City and the participants to partner with the Community Education department of Independent School District No. 181, Brainerd Public Schools, to operate some of the programs, and the District is willing and able to operate those programs in accordance with the terms of this Agreement.

Agreement

- 1. Program Oversight. The District shall operate the following existing programs on behalf of the City:
 - a. Miracle League
 - b. Shetland T-ball
 - c. Pinto T-ball
 - d. Youth Baseball
 - e. Youth Softball
 - f. Youth Tennis
- 2. Oversight Duties. Program responsibilities include the following:
 - a. Program advertising and fundraising.
 - b. Registration of participants.
 - c. Scheduling of teams.
 - d. Hiring umpires or other game officials as needed.
 - e. Providing coaching staff and volunteers.

- f. Providing necessary game equipment (e.g., basketballs, kickballs, soccer balls, jerseys, etc.).
 - g. Provide the City Recreation Coordinator with program information as requested.
 - h. Maintain control of City scoreboard equipment, including controllers.
 - h.i. Submit Registration/Budget reports quarterly (March 15, June 15, September 15, and December 15, 2021) for Park Board presentation.
- 3. City Duties. The City shall continue to maintain the parks utilized by the programs, including maintenance and cleaning of restrooms. The City will stripe the ball fields and provide bases. With respect to Bane Park, the City will provide the District with keys to the ball field, restrooms, the warming house (for storage) and the announcer's booth. The concession stand at Bane Park will continue to be operated by the City.
 - ~~a. The City retains the right for banner sales at the youth fields at Bane, Jaycees and Buffalo Hills Lions parks, working in partnership with Community Education. The City retains the sole right for all banner sales and posting on City of Brainerd fields.~~
- 4. Compensation. In consideration for operating the youth programs set forth above, the City shall pay the District an annual fee of \$ 7,500.00~~6,000.00~~. The fee shall be paid in a quarterly sum on or before March 31, June 30, September 30, and December 31, 2021.~~The fee shall be paid in a lump sum on or before January 15, 2021.~~
- 5. Insurance. The District shall carry the following insurance:
 - a. Public liability insurance in the amount of \$ 1,000,000 with the City named as an additional insured.
 - b. Workers' compensation insurance at the statutory limits to cover its own employees.
- 6. Participant Releases. The District shall obtain a written waiver of liability from all participants, signed by a parent, and shall keep the waiver on file for a period of six years. The District shall provide the Recreation Coordinator with a copy of the waiver form.
- 7. Indemnity. To the extent allowed by law, the District shall defend and indemnify the City against all claims of loss or damage arising out of the youth programs operated by the District under this Agreement, except to the extent said loss or

damage was caused by the negligent or intentional act or omission of the City, its employees or agents.

8. Term. This Agreement shall terminate as of December 31, 2021, unless otherwise extended in a writing signed by both parties.
9. Authority. The undersigned warrant that they have the requisite authority to bind their respective parties to the terms and conditions of this Agreement.

**City of Brainerd
Park and Recreation Board**

By: _____

Its: _____

By: _____

Its: _____

Independent School District No. 181

By: _____

Its: _____

By: _____

Its: _____

CITY OF BRAINERD

RECREATION PROGRAM AGREEMENT

This Agreement is entered into effective January 1, 2021, by and between the **City of Brainerd, through its Park and Recreation Board**, and the **Brainerd Family YMCA**.

Recitals

- A. The City's Park and Recreation Board historically operated a number of youth recreational programs for City residents.
- B. The Board determined that it would be in the best interests of the City and the participants to partner with the YMCA to operate some of the programs, and the YMCA is willing and able to operate those programs in accordance with the terms of this Agreement.

Agreement

- 1. Program Oversight. The YMCA shall operate the following existing programs on behalf of the City:
 - a. Youth Kickball
 - b. Youth Soccer
 - c. Lil' Buckaroos
 - d. Benchwarmer Basketball
 - e. Parks on the Go
- 2. The YMCA shall have the ability to expand existing or add new youth recreational programs on the same terms if space is available and agreed upon by the City and the YMCA.
- 3. Oversight Duties. Program responsibilities include the following:
 - a. Program advertising.
 - b. Registration of participants.
 - c. Scheduling of teams.
 - d. Hiring umpires or other game officials as needed.

- e. Providing coaching staff.
 - f. Providing necessary game equipment (e.g., basketballs, kickballs, soccer balls, jerseys, etc.).
 - g. Provide the City Recreation Coordinator with program information as requested.
 - g.h. Submit Registration/Budget reports quarterly (March 15, June 15, September 15, and December 15, 2021) for Park Board presentation.
4. City Duties. The City shall continue to maintain the parks utilized by the programs, including maintenance and cleaning of restrooms. The City will stripe the soccer and kickball fields twice per year and will provide a set of goals for the soccer field at Memorial Park unless the YMCA prefers to use its own.
- ~~a. The City retains the right for banner sales at the youth fields at Bane, Jaycees and Buffalo Hills Lions parks, working in partnership with Community Education. The City retains the sole right for all banner sales on City of Brainerd Fields.~~
 - ~~b. The City will provide space in the community newsletter promoting programs, equivalent to prior years, if the City does publish a summer program guide.~~
5. Compensation. In consideration for operating the youth programs set forth above, the City shall pay the YMCA an annual fee of \$5,000.00. ~~The fee shall be paid in a lump sum on or before January 15, 2021.~~ The fee shall be paid in a quarterly sum on or before March 31, June 30, September 30, and December 31, 2021.
6. Insurance. The YMCA shall carry the following insurance:
- a. Public liability insurance in the amount of \$ 1,000,000 with the City named as an additional insured.
 - b. Workers' compensation insurance at the statutory limits to cover its own employees.
7. Participant Releases. The YMCA shall obtain a written waiver of liability from all participants, signed by a parent, and shall keep the waiver on file for a period of six years. The YMCA shall provide the Recreation Coordinator with a copy of the waiver form.
8. Indemnity. The YMCA shall defend and indemnify the City against all claims of loss or damage arising out of the youth programs operated by the YMCA under this Agreement, except to the extent said loss or damage was caused by the negligent or intentional act or omission of the City, its employees or agents.

9. Term. This Agreement shall terminate as of December 31, 2021, unless otherwise extended in a writing signed by both parties.

10. Authority. The undersigned warrant that they have the requisite authority to bind their respective parties to the terms and conditions of this Agreement.

**City of Brainerd
Park and Recreation Board**

By: _____

Its: _____

By: _____

Its: _____

Brainerd Family YMCA

By: _____

Its: _____

By: _____

Its: _____

CITY OF BRAINERD

RECREATION PROGRAM AGREEMENT

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Agreement

- 1. Program Oversight. The District shall operate the following existing programs on behalf of the City:
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 - c. Scheduling of teams.
 - d. Hiring umpires or other game officials as needed.
 - e. Providing coaching staff and volunteers.

- f. Providing necessary game equipment (e.g., basketballs, kickballs, soccer balls, jerseys, etc.).
 - g. Provide the City Recreation Coordinator with program information as requested.
 - h. Maintain control of City scoreboard equipment, including controllers.
 - i. Submit Registration/Budget reports quarterly (March 15, June 15, September 15, and December 15, 2021) for Park Board presentation.
- 3. City Duties. The City shall continue to maintain the parks utilized by the programs, including maintenance and cleaning of restrooms. The City will stripe the ball fields and provide bases. With respect to Bane Park, the City will provide the District with keys to the ball field, restrooms, the warming house (for storage) and the announcer's booth. The concession stand at Bane Park will continue to be operated by the City.
 - a. The City retains the sole right for all banner sales on City of Brainerd fields.
- 4. Compensation. In consideration for operating the youth programs set forth above, the City shall pay the District an annual fee of \$7,500. The fee shall be paid in a quarterly sum on or before March 31, June 30, September 30, and December 31, 2021.
- 5. Insurance. The District shall carry the following insurance:
 - a. Public liability insurance in the amount of \$ 1,000,000 with the City named as an additional insured.
 - b. Workers' compensation insurance at the statutory limits to cover its own employees.
- 6. Participant Releases. The District shall obtain a written waiver of liability from all participants, signed by a parent, and shall keep the waiver on file for a period of six years. The District shall provide the Recreation Coordinator with a copy of the waiver form.
- 7. Indemnity. To the extent allowed by law, the District shall defend and indemnify the City against all claims of loss or damage arising out of the youth programs operated by the District under this Agreement, except to the extent said loss or damage was caused by the negligent or intentional act or omission of the City, its employees or agents.
- 8. Term. This Agreement shall terminate as of December 31, 2021, unless otherwise extended in a writing signed by both parties.

9. Authority. The undersigned warrant that they have the requisite authority to bind their respective parties to the terms and conditions of this Agreement.

**City of Brainerd
Park and Recreation Board**

By: _____

Its: _____

By: _____

Its: _____

Independent School District No. 181

By: _____

Its: _____

By: _____

Its: _____

CITY OF BRAINERD

RECREATION PROGRAM AGREEMENT

This Agreement is entered into effective January 1, 2021, by and between the **City of Brainerd, through its Park and Recreation Board**, and the **Brainerd Family YMCA**.

Recitals

- A. The City's Park and Recreation Board historically operated a number of youth recreational programs for City residents.
- B. The Board determined that it would be in the best interests of the City and the participants to partner with the YMCA to operate some of the programs, and the YMCA is willing and able to operate those programs in accordance with the terms of this Agreement.

Agreement

- 1. Program Oversight. The YMCA shall operate the following existing programs on behalf of the City:
 - a. Youth Kickball
 - b. Youth Soccer
 - c. Lil' Buckaroos
 - d. Benchwarmer Basketball
 - e. Parks on the Go
- 2. The YMCA shall have the ability to expand existing or add new youth recreational programs on the same terms if space is available and agreed upon by the City and the YMCA.
- 3. Oversight Duties. Program responsibilities include the following:
 - a. Program advertising.
 - b. Registration of participants.
 - c. Scheduling of teams.
 - d. Hiring umpires or other game officials as needed.

- e. Providing coaching staff.
 - f. Providing necessary game equipment (e.g., basketballs, kickballs, soccer balls, jerseys, etc.).
 - g. Provide the City Recreation Coordinator with program information as requested.
 - h. Submit Registration/Budget reports quarterly (March 15, June 15, September 15, and December 15, 2021) for Park Board presentation.
4. City Duties. The City shall continue to maintain the parks utilized by the programs, including maintenance and cleaning of restrooms. The City will stripe the soccer and kickball fields twice per year and will provide a set of goals for the soccer field at Memorial Park unless the YMCA prefers to use its own.
- a. The City retains the sole right for all banner sales on City of Brainerd Fields.
5. Compensation. In consideration for operating the youth programs set forth above, the City shall pay the YMCA an annual fee of \$5,000.00. The fee shall be paid in a quarterly sum on or before March 31, June 30, September 30, and December 31, 2021.
6. Insurance. The YMCA shall carry the following insurance:
- a. Public liability insurance in the amount of \$ 1,000,000 with the City named as an additional insured.
 - b. Workers' compensation insurance at the statutory limits to cover its own employees.
7. Participant Releases. The YMCA shall obtain a written waiver of liability from all participants, signed by a parent, and shall keep the waiver on file for a period of six years. The YMCA shall provide the Recreation Coordinator with a copy of the waiver form.
8. Indemnity. The YMCA shall defend and indemnify the City against all claims of loss or damage arising out of the youth programs operated by the YMCA under this Agreement, except to the extent said loss or damage was caused by the negligent or intentional act or omission of the City, its employees or agents.
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10. Authority. The undersigned warrant that they have the requisite authority to bind their respective parties to the terms and conditions of this Agreement.

**City of Brainerd
Park and Recreation Board**

By: _____

Its: _____

By: _____

Its: _____

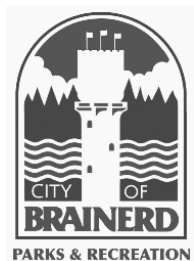
Brainerd Family YMCA

By: _____

Its: _____

By: _____

Its: _____



Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Request to Approve Plan for Community Action Grant

☐ INFORMATION ONLY ☒ ACTION REQUESTED	Action Requested: ☐ Direction Requested ☐ Discussion Item
Submitted by: Recreation Coordinator Kaufman	Department: Parks
Presenter (Name & Title): Recreation Coordinator Kaufman	Estimated Time Needed: 10 minutes
Summary of Issue: On December 6, 2020 Recreation Coordinator submitted Brainerd Community Action - Community Empowerment Fund Grant. The requested grantee amount was \$2,000. On December 18, staff was notified that we would receive \$500 to act as seed money due to the high level of deserving candidates in this first year. Our goal was to receive \$2,000 to pay for our first water bottle-filler. We received donation interest from Mr. Henry Praska of Brainerd Games to pay for the remaining cost of our water bottle-filler. Mr. Praska requests to have Brainerd Games on a plaque or sticker for water bottles.	
Alternatives, Options, Effects on Others/Comments: Brainerd Community Action will be delivering the \$500 check within the next two weeks. They also will be checking in mid-year to track our progress and impact of fund allocated. The mission of purchasing a water bottle filler would be that this would be the first of many installed around our parks. With that, we were planning to attach a re-think your drink campaign as a possible sustainable fund-raising campaign and community movement/progression. Staff is looking to purchase a water bottle filler as soon as funds are received. Staff would seek to install water bottle filling station spring 2021 in coordination of a Ground Breaking/Community Wide Re-think Your Drink Campaign Event. Staff will seek other community grants to purchase starter supply of water bottles to give away at ground breaking event.	
Recommended Action/Motion: Staff recommends approving Recreation Coordinator Kaufman's plan to use Community Action Grant funding as laid out in grant submission with adding donation from Mr. Henry Praska of Brainerd Games to purchase water bottle filler, and honoring his donation with a coordinated acknowledgment. Staff recommends having Recreation Coordinator seek other grant options to help gain more seed money Community Wide Re-Think Your Drink Campaign for the sustainability of the project and adding more water bottle fillers over time.	
Financial Impact: Is there a cost associated with this request: ☒ Yes ☐ No What is the total cost, with tax and shipping \$ <u>TBD</u> Is this budgeted? ☐ Yes ☒ No <u>Please Explain:</u> The water bottle filler would be covered between Community Action and Brainerd Games. The price of plaque or sticker would be on Brainerd Parks and Recreation.	

Brainerd Community Action Community Empowerment Fund

Organization: City of Brainerd, Parks and Recreation

Project Leads (Min. Of 2):

Katie Kaufman, Recreation Coordinator

Troy Harris, Maintenance Foreman

Kara Schaefer, Park Board President

Mailing Address: Brainerd Parks and Recreation, 501 Laurel St. Brainerd MN 56401

Telephone: 218-828-2320 or 218-454-3427

Email: kkaufman@ci.brainerd.mn.us Date: December 6, 2020

Please provide a brief description of your proposed project. (less than 300 words)

Community-Wide Re-Think Your Drink Initiative

Brainerd Parks and Recreation will create a plan to add bottle fillers to all parks. Our first bottle filler purchase would be a result of grant reception of the \$2,000 amount. The future of bottle fillers would be part of a “Re-Think Your Drink” community wide initiative where Brainerd Parks and Recreation would sell water bottles (that conveniently fit perfect in the bottle fillers) proceeds from water bottle sales would go directly toward adding bottle fillers to parks.

If possible, there will be meters placed on bottle filler stations to help measure goals as a community of drinking more water as well as producing less waste by using a re-usable water bottle. Both statistics could then be communicated yearly as total water drank and total plastic water bottle waste eliminated as a community or city. We could work with local businesses to purchase a quality water bottle with local business information printed on them or stickers, or signage by bottle filling stations this could help pay for water bottles to keep creation costs down, and fund-raising proceeds higher.

We will place a QR code on the water bottle (most likely as a sticker cost efficient) that would link to an interactive map with all public water bottle filling stations in the City of Brainerd. Over time we would add more filling stations, but QR code would remain the same. This website could also be linked to the meters of these filling stations with immediate reads with projected water bottle waste savings.

A groundbreaking event would occur for the installation of first outdoor water bottle filling station in our parks. We would ask Crow Wing Energized to be present with Rethink Your Drink materials as well as the City of Brainerd’s Mayor.

How is your project relevant to Brainerd Community Actions mission and vision and also to the people we serve within Crow Wing County? Mission: *To partner with other organizations to build community, empower people to overcome adversity and promote self-sufficiently.*

Our project is relevant by providing accessibility to water and promote healthy lifestyles within our parks. We as a community could overcome pollution and unhealthy drinking habits. This project promotes healthy consumption of water which in turn promotes maximizing physical performance, energy levels, and brain function. Our project may help prevent and treat headaches, relieve constipation, treat kidney stones, & aid weight loss. This project would be a true community developing caused by linking citizens, to businesses, to park development.

What is the impact that you wish to achieve through this project? Please be specific as possible and provide data to support your reasoning. How many people do you plan on impacting through your project and how will the funds be used?

The intended impact is to:

1. Increase park usership as well as the duration of park usership.
2. Promote less plastic bottle waste community wide.
3. Promote community health by creating a “re-think your drink campaign” fundraising effort.

We are hoping by adding a nice amenity with health & green goals associated with it, which then we can put in place a sustainable effort to make this city a better place to work and play.

The installment of 1 bottle filler at the cost of \$2,000 has an infinite number of impacted individuals. If we create a plan to use water bottle proceeds to purchase additional water bottle fillers stations at about \$10 profit/ water bottle it would take selling roughly 200 to purchase another water bottle filler station. The population of Brainerd is 13,465. If every single person in the City of Brainerd bought 1 water bottle that would be, \$134,650 in proceeds which would equate to about 67 bottle fillers. I do not see us needing that many bottle fillers in the parks. However, we could use this number as a max reach. We could work with local food truck vendors to sell our water bottles, associations selling concessions at our parks, businesses such as Visit Brainerd, special events within the parks, and etc.

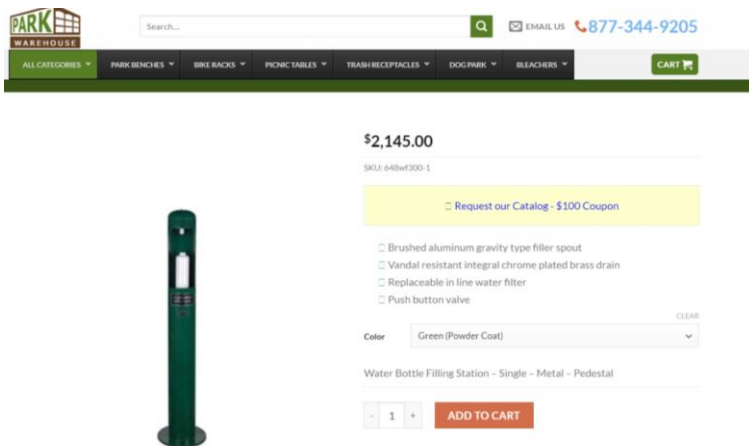
Who are the community stakeholders and partners with whom you will be collaborating on this project, and what is their role in your project? (Projects with partners preferred)

Brainerd Parks and Recreation plans on partnering with:

1. Crow Wing Energized
 - a. Marketing materials and promotion
 - b. Groundbreaking Event
 - c. Additional Grant Funding available starting February
2. Visit Brainerd
 - a. Selling water bottles, at zero charge for floor space
 - b. Educating Public on initiative and map access
3. Walkable Bikeable City Committee
 - a. Advertising/promotion
 - b. Location of future bottle filling station collaboration
4. Lakes Area Senior Center
 - a. Advertising/promotion
 - b. Possible programming
5. Brainerd IT Department (GIS maps)
6. Brainerd Public Utilities (Meter access)

Will this be a one-time event? If not, please describe how this project will continue in the future?

Awarded \$2,000 will pay for our first water bottle filler.



Parks staff will install the awarded bottle filler spring of 2021. City-Wide “Re-think Your Drink” campaign will start immediately once awarded funds for water bottle filler. Recommendation is for the bottle filler to be placed either at Gregory Park or incorporated into Memorial Park master plan. (We would be flexible with Community Action wishes)

Staff will be responsible for developing:

1. A Prioritized list of locations for future bottle fillers
2. A Sustainable campaign of selling water bottles
3. The creation of QR code meter reading technology and interactive map of bottle filling stations



20oz Stainless Steel Water Bottle Double Wall Vacuum Insulated with Spout lid. Try hardest to send out bids to local businesses to “support local businesses” #shoplocal. Sell for \$20.00, purchase for close to \$10.00/bottle profit if possible. (purchasing in bulk)

City of Brainerd drank X amount of 20oz bottles of water since January 1, 2021. Goal of reaching X by December 31, 2021. Help us reach our goal!

City of Brainerd reduced X amount of plastic water bottle waste by using water bottle filling stations

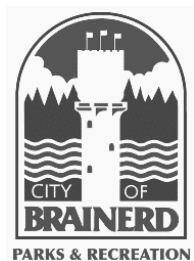
Where’s the closest water bottle filler?

Here is a map of all the public open 24/7 water bottle filling stations in the City of Brainerd. There are also water bottle fillers privately owned or with hours listed.

X amount of water bottle have been sold! We are X away from a new water bottle filler! List of future locations to get water bottle fillers!

“Looking for discounts you can get by just bringing your water bottle with you in Brainerd? Here are list of deals going on this month!”

Sticker Advertising Campaign: Each of these organizations is working with us to develop stickers for your bottle so you will never be without! Are you part of a club and you want to raise club attendance? We want to work with you on a sticker campaign! Help us become a stronger healthier and more earth conscious community! “



Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Request to Re-Designate City Tree Inspector

☐ INFORMATION ONLY

☒ ACTION REQUESTED

Action Requested:

☐ Direction Requested

☐ Discussion Item

Submitted by:

Recreation Coordinator Kaufman

Department:

Parks

Presenter (Name & Title):

Recreation Coordinator Kaufman

Estimated Time Needed:

5 minutes

Summary of Issue:

James Kramvik was hired as the Assistant City Planner. The Assistant City Planner job description state in essential functions "Serves as the City Tree Inspector" and in the education, experience, special requirements portion "Ability to obtain a Minnesota Certified Tree Inspector certification within six (6) months of employment."

Alternatives, Options, Effects on Others/Comments:

The City Tree Inspector has been a part of the Recreation Coordinator's job description for over 20 years. With the recent changes and re-organization of the Parks Department, along with opportunities to outsource some of the recreation programs, the tree inspector duties no longer fit the vision for this position. Staff's understanding of the Recreation Coordinator position is that it should be focused on the special events, adult sports, park education, and park users/beautification, rather than tree code compliance for residential areas. Staff would like consideration of placing this responsibility into the Assistant City Planner position, as it is a good fit not just because of the code compliance aspect, but also James Kramvik has immense experience in Landscape Architecture and Environmental Design from NDSU. Also extensive experience working at a Licensed Nursery. We feel this may be our best route to best serve our community and improve our natural landscape.

Recommended Action/Motion:

Staff recommends requesting the City Council to amend its ordinances related to Tree Inspector and Tree Disease Control to reflect the changes discussed above and making the powers and duties of the City Tree Inspector as set forth be conferred upon the Community Development Director. Further, that the assistant planner be designated as City Tree Inspector.

Staff recommends requesting the City Council appoint James Kramvik - Assistant Planner to be the "Model Communities Targeted to Slow the Spread of EAB" Grant Manager.

Recreation Coordinator Kaufman will also work with Mr. Kramvik to get him oriented on processes she has done within the position along with answering any questions he may have in regards to his duties.

Financial Impact:

Is there a cost associated with this request: ☐ Yes ☒ No

What is the total cost, with tax and shipping \$ _____

Is this budgeted? ☐ Yes ☐ No

Please Explain:



Recreation Coordinator

Department: Parks and Recreation

FLSA Status: Exempt

General Definition of Work

Performs administrative and supervisory responsibilities for planning, organizing, coordinating, implementing and supervising a variety of recreation programs such as: tournaments, youth sports, adult sports, concession stands, leisure activities, warming houses, special events and securing program staff and volunteers, preparing and maintaining appropriate records, and related work as apparent or assigned. ~~This position also includes performing the City Tree Inspector's duties.~~ Work is performed under the limited supervision of the Parks and Recreation Director. Continuous supervision is exercised over seasonal employees, program instructors and volunteers.

Qualification Requirements

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions

Essential Functions

- Plans, organizes, publicizes, implements and manages a variety of community recreation programs, special events and activities for all age groups based on the interests of the community.
- Recruits, interviews and hires applicable program staff; conducts performance evaluations for future hiring consideration. Recruits and selects volunteers and business partners/service clubs for special events and programs.
- Supervises, trains, assigns, and schedules program staff and volunteers. Provides coaching and imposes disciplinary action up to and including dismissal for seasonal staff and volunteers.
- Resolves problems and disputes among participants; enforces rules and regulations; maintains order and discipline; ensures compliance with established policies and procedures.
- Develops strategic marketing plan; Designs promotional materials and advertises programs; Monitors/edits department social media/website platforms.
- Evaluates program effectiveness, activities and community needs; facilitates meetings; recommends and implements recreation program changes through polls, surveys and research.
- Maintains and orders concession stand supplies and equipment; ensures staff are following Minnesota Department of Health guidelines; maintains inventory and necessary records or reports.
- Observes facilities and grounds for cleanliness and hazardous conditions and provides information to appropriate staff; prepares and maintains department incident and accident reports and provides follow-up if necessary.
- May perform duties of Parks Department Administrative Specialist when needed or as directed including general office tasks such as assisting in processing registrations and facility rentals; receives and responds to inquiries and complaints; answering the telephone; sending and receiving email correspondence.
- Plans for and schedules practices and games maximizing use of department and community resources and facilities via software and personal contact.
- Provides input for standard operating procedures, department policies, and emergency action plans.
- Organizes purchase of team uniforms, supplies, equipment and awards; solicits team sponsorships for corresponding teams and oversees proper billing procedures; Schedules and coordinates photographer for youth program team photos.
- Arranges and coordinates tournaments, exhibitions, fundraising, sponsorships, advertisements and special events for all activities to coincide with local or community wide programs.
- Serves as tournament coordinator and site director as needed on weekends and evenings.
- Monitors effective and efficient use of budgeted funds, personnel, materials, facilities, and time; Makes recommendations for future programming needs; prepares applicable program financial analysis and reports.
- ~~Performs hazardous/dead/diseased/nuisance tree inspections; oversees tree removal process; and assists and advises contractors and others regarding pertinent codes, state statutes, laws, rules and regulations.~~
- Assists Parks and Recreation Director as needed.

Recreation Coordinator

Page 2

- Oversees, supervises and manages playgrounds and athletic complexes.
- Represents the City's interests in developing and maintaining cooperative and ongoing relationships with the Parks and Recreation Board, parents, volunteers, local business community, local schools, mutual interest organizations and other agencies to support and enhance the Department.
- Assists in the preparation of grant applications and all other fundraising initiatives; monitors expenditures and submits appropriate reports.
- Attends training sessions and conferences to keep informed of industry trends and practices.
- Perform related tasks as assigned or needed.

Knowledge, Skills and Abilities

- Intermediate knowledge of the principles and practices of the administration of parks and recreation facilities and programs and forester duties.
- Ability to communicate effectively utilizing strong interpersonal communications skills, both orally and in writing, with a wide range of individuals.
- Ability to exhibit sustained concentration and prolonged commitment to job tasks; ability to be tactful and maintain confidentiality as needed and the ability to deal with the public.
- Ability to establish and maintain effective working relationship with City officials, other public officials, associates, contractors, coworkers, supervisors, other city departments and the public.
- A team builder with the ability to coach, mentor, and develop staff and volunteers; maintain effective public relations and to speak before public groups.
- Internal/external customer-driven attitude.
- Possess working knowledge of computer hardware and software including Microsoft Office products, GIS, website/social media content maintenance and other applicable department required software programs.
- Supervise staff and delegate work.
- Leadership including problem solving and decision making.
- Ability to work outdoors and in a variety of weather conditions; Ability to work irregular hours.

Education, Experience and Special Requirements

- Graduation from an accredited four-year college or university with major course work in recreation or leisure studies, physical education, sports management or related field.
- Five (5) years of experience in the recreation programming field.
- An equivalent combination of education and experience may be considered as determined by the Park Director.
- Valid driver's license.
- Possess the following certifications upon date of hire:
 - o Department required concussion training.
 - o CPR/AED/First Aid certification.
- Within six months of hire, possess the following licenses/certifications:
 - o State of MN Food Handler's license
 - o ~~MN Dept of Agriculture Tree Inspector Certification~~
 - o National Youth Sports Coaches Association (NYSCA) Certification

Physical Requirements

This work requires the occasional exertion of up to 50 pounds of force; work frequently sitting, speaking or hearing and using hands to finger, handle or feel and occasionally requires standing, walking, climbing or balancing, stooping, kneeling, crouching or crawling, reaching with hands and arms, pushing or pulling, lifting and repetitive motions; work requires close vision, distance vision, ability to adjust focus, depth perception, color perception and peripheral vision; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; work requires preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, using of measuring devices, operating machines, operating motor vehicles or equipment and observing general surroundings and activities; work frequently requires exposure to outdoor weather conditions and occasionally requires exposure to blood borne pathogens and may be required to wear specialized personal protective equipment; work is generally in a moderately noisy location (e.g. business office, light traffic).

This job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer, as the needs of the employer and requirements of the job change.

Last Revised: November 15, 2018



Assistant Planner

Department: Community Development

FLSA Status: Non-Exempt

General Definition of Work

Performs a variety of technically specialized administrative planning & zoning while supporting the general operations of the Community Development Department. Work is performed under the supervision of the Community Development Director.

Qualification Requirements

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. The requirements listed below are representative of the knowledge, skills, and/or abilities required. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Essential Functions

- Department's point of contact for public regarding Planning & Zoning related issues.
- Guides applicants through the planning and zoning application process; review and evaluate planning and zoning applications for compliance with the zoning ordinance, city code and comprehensive plan; review, evaluate, and approve building development plans for compliance with conditions of approval and ordinance requirements.
- Maintains a working understanding of the City's Comprehensive Plan, Zoning and Subdivision ordinances and other City codes and assists the Community Development Department in the implementation and enforcement thereof as required by the Community Development Director.
- Collects and reviews applications for Rezoning, Conditional Use Permits, Variances, Preliminary Plat and Final Plat, and Fence Permits, and prepares Staff Reports for review by Community Development Director. Reviews such applications for building elements that may require further review by the Building Official or other Department staff.
- Advises builders, developers, architects, engineers, surveyors and property owners on ordinance requirements and provide technical assistance when needed.
- Oversees shoreland management and floodplain management related duties.
- Investigates complaints and makes routine inspections to determine compliance with Property Maintenance Codes, Zoning Code, and other applicable laws and ordinances; and assists in the prosecution of violators of regulations.
- Serves as the City Tree Inspector.
- Attends City Council and Planning Commission meetings as needed and directed by the Community Development Director.
- Drafts and assembles supporting documents for Planning Commission and City Council.
- Drafts and assembles Planning & Zoning related reports.
- Performs various other tasks and duties as assigned.

Knowledge, Skills, and Abilities

- Understanding of zoning and subdivision laws, ordinance requirements, policies and procedures pertaining to the land use application approval process.
- Knowledge of state and federal laws relating to planning and community development.
- Knowledge of comprehensive planning, zoning, subdivision ordinance administration, landscaping practices, and real estate development including laws governing the acquisition thereof.
- Logical thinker with ability to solve practical and complex problems, applying common sense, industry best practices, and organizational policies to interpret and independently carry out tasks with varying levels of direction.
- Ability to communicate courteously and tactfully, both orally and in writing, by representing the City in a positive and professional manner at all times with an internal/external customer-driven attitude; Maintains effective working relationships with coworkers, the general public, local, State and Federal agencies, private businesses and developers, elected officials, committee members, and property owners. Remains calm and professional under difficult, sensitive, stressful/hostile situations; or when dealing with diverse individuals.
- Demonstrates strong organizational and time management skills with attention to detail. Must be able to handle multiple interruptions and adjustment of priorities throughout the day without compromising accuracy or efficiency.
- Ability to read maps, blueprints, building plans, and to interpret utility location drawings and legal descriptions of real estate.
- Ability to maintain a high level of confidentiality regarding sensitive information and compliance with data practice laws.
- Familiarity with applications and software/hardware packages including but not limited to Word, Excel, PowerPoint, GIS systems, and permitting software such as BS&A.

Education, Experience and Special Requirements

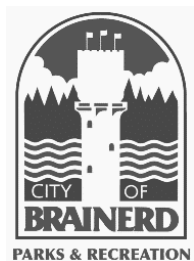
- Bachelor's degree with coursework in urban design and planning. Other degrees and coursework in public administration, landscape architecture, GIS, or a related field will be considered.
- Two (2) or more years of experience performing planning & zoning administration, permit reviews, and/or inspections.
- At least four (4) years of experience OR a combination of two (2) years of education and at least two (2) years of experience in the above areas or a closely related field may be considered as a substitute for the bachelor's degree requirement.
- Experience using geographical information systems (GIS).
- Ability to obtain a Minnesota Certified Tree Inspector certification within six (6) months of employment.
- Must possess a valid driver's license or have the ability to obtain one prior to employment.

Physical Requirements

This work requires the occasional exertion of up to 25 pounds of force; work regularly requires reaching with hands and arms, frequently requires sitting, speaking or hearing and repetitive motions and occasionally requires standing, walking, using hands to finger, handle or feel and lifting; work requires close vision, distance vision, ability to adjust focus and peripheral vision; vocal communication is required for expressing or exchanging ideas by means of the spoken word and conveying detailed or important instructions to others accurately, loudly or quickly; hearing is required to perceive information at normal spoken word levels and to receive detailed information through oral communications and/or to make fine distinctions in sound; work requires preparing and analyzing written or computer data, operating machines and observing general surroundings and activities; work has no exposure to environmental conditions; work is generally in a moderately noisy location (e.g. business office, light traffic).

This job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer, as the needs of the employer and requirements of the job change.

Last Revised: December 2, 2020



Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Request to Approve This One's for Hop Inc. Field Reservation

☐ INFORMATION ONLY

☒ ACTION REQUESTED

Action Requested:

☐ Direction Requested

☐ Discussion Item

Submitted by:

Recreation Coordinator Kaufman

Department:

Parks

Presenter (Name & Title):

Recreation Coordinator Kaufman

Estimated Time Needed:

5 minutes

Summary of Issue:

Each year This One's for Hop submits a request to reserve adult softball fields at Memorial Park. They are requesting Fields 1,2, & 3 on Saturday, July 10 and Sunday, July 11, 2021. The field reservation will be used toward their Annual Brainerd Softball Invitational.

Alternatives, Options, Effects on Others/Comments:

Our field reservation fee is \$50/team.

This One's for Hop Inc. sends money after event including the payment for the City maintenance employee, whom is the sole user of the ballpark groomer for the duration of the tournament. They also purchase 2 banners for the Adult Softball Fields.

Typically, the Annual Brainerd Softball Invitational does have a food vendor or concessions set up on site.

Recreation Coordinator Kaufman is on the This One's for Hop, Inc. Board and can act as a liaison to Park Board.

Creating a field reservation request form that includes things such as: the date, time, location, fields, maintenance needed, vendors, fee structure, etc would help better communicate the information we need from reserver and better streamline the process of approving requests where we could move away from having to ask permission from park board to approve requests, and in house move at a quicker rate to approve and reserve.

Recommended Action/Motion:

Staff recommends approving the This One's for Hop, Inc request to use Memorial Park fields 1,2,3 on Saturday, July 10 and Sunday, July 11, 2021.

Staff recommends assigning staff to create a field reservation request form to streamline community field reservation requests.

Financial Impact:

Is there a cost associated with this request: ☐ Yes ☒ No

What is the total cost, with tax and shipping \$ _____

Is this budgeted? ☐ Yes ☐ No

Please Explain:



13129 Preserve Circle
Baxter, MN 56425

City of Brainerd
501 Laurel Street
Brainerd, MN 56401

To whom it may concern:

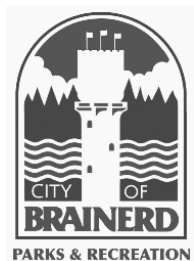
This One's for Hop Inc is requesting use of Memorial Park (Including Fields 1, 2 and 3) on Saturday 7/10 and Sunday 7/11/2021. This would be for our annual Brainerd Softball Invitational. Thank you to the city for the use of the facilities.

Sincerely,

Eryk Haapajoki

hop@4hop.org

218-330-1977

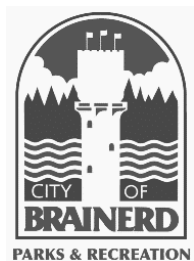


Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Request to Approve Park Scavenger Hunt

☐ INFORMATION ONLY ☒ ACTION REQUESTED	Action Requested: ☐ Direction Requested ☐ Discussion Item
Submitted by: Recreation Coordinator Kaufman	Department: Parks
Presenter (Name & Title): Recreation Coordinator Kaufman	Estimated Time Needed: 5 minutes
Summary of Issue: Eric Heppner, Director of Student Life for Central Lakes College would like to host a scavenger hunt for his students in our parks the last two weeks of February. There will be combination locked boxes with a puzzle piece inside at each park which helps lead them to their next clue. Eric wishes to leave the boxes at the parks for the two week period or until the treasure is found. The parks usage requested are: Memorial Park, Gustafson Park, Lum Park, Bane Park, Gregory Park, Jaycees Park, Buffalo Hills Park, Rotary Riverside Park, and Triangle Park.	
Alternatives, Options, Effects on Others/Comments: Although it is ideal that none of these combination boxes will be stolen, there is always that risk that one or several items will disappear. Eric stated he is willing to take that risk. We are not liable for personal goods stolen in our parks, so we see this as an assumption of risk. Staff believes a park usage application/permit for park spaces beyond pavilions should be created to help guide community organizers/coordinators and thus streamline the approving process.	
Recommended Action/Motion: Staff recommends approving Erich Heppner's Scavenger Hunt, and that the City of Brainerd is not responsible in the event of lost locked boxes. Also, Erich will release the location of the locked boxes to Katie Kaufman so that she can communicate to maintenance staff so we are aware of them and to not touch. Further, staff recommends creation of a park usage application to better streamline this process to be reviewed at February's Park Board Meeting.	
Financial Impact: <i>Is there a cost associated with this request:</i> ☐ Yes ☒ No <i>What is the total cost, with tax and shipping</i> \$ _____ <i>Is this budgeted?</i> ☐ Yes ☐ No <i>Please Explain:</i>	



Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Discussion of Buster Park Gazebo Replacement

☐ INFORMATION ONLY

☐ ACTION REQUESTED

Action Requested:

☒ Direction Requested

☒ Discussion Item

Submitted by:

City Engineer/Interim PW Director Sandy

Department:

Parks

Presenter (Name & Title):

City Engineer/Interim PW Director Sandy

Estimated Time Needed:

5-10 Minutes

Summary of Issue:

In the 2021 budget approved by the City Council, there is \$7,000 budgeted for a replacement of the existing gazebo in Buster Dog Park.

Alternatives, Options, Effects on Others/Comments:

When staff was doing tours of the Parks, the type of enclosure Tony had planned for this park was brought forward by Maintenance Foreman Harris. I believe this is what former director Sailer had budgeted for in the 2021 budget for this replacement. When staff was touring these facilities, the thought came out that maybe it was not the direction we wanted to go with this structure, that serves more of a "bus-stop" look rather than a gazebo type structure that exists today. The main point of this structure is wind and weather protection, but it is also something staff believes should serve an aesthetic purpose in the park, and this type of structure doesn't have the aesthetic appeal that a gazebo looking structure would. Maintenance of the structure also has to be a consideration, and a wood type structure may not be as appealing in this circumstance due to the use of this park. More easily maintainable materials such as something with easily cleanable surfaces such like metal or plastic may be more suitable. Staff would like to have some conversation with Park Board members over their thoughts about this planned and budgeted structure and what they would like to see in the Park for wind/weather protection in the future. Other thoughts for use of the \$7,000 is to approach service clubs, boy scouts, the college or others to build the structure and use the \$7,000 for materials.

Recommended Action/Motion:

Discussion and direction requested for this structure.

Financial Impact:

Is there a cost associated with this request: ☒ Yes ☐ No

What is the total cost, with tax and shipping \$ 7,000

Is this budgeted? ☒ Yes ☐ No \$7,000 is budgeted for this structure in the 2021 Parks Budget, as adopted by the City Council.
Please Explain:

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Dome Roof 1 Opening Smoking/Bus Shelter - With Bench

\$6,737.00 / each

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[utm_medium=cpc&utm_campaign=SHOPPING%20-4582970624748944&utm_content=All%20Products&cleanprint=1\)](https://www.theparkcatalog.com/dome-roof-1-opening-smoking-bus-shelter-1?utm_medium=cpc&utm_campaign=SHOPPING%20-4582970624748944&utm_content=All%20Products&cleanprint=1)

Item # 374-1010

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Choose an Option...



Size *

Choose an Option...



1

ADD TO CART

for Patrons of Dog park.

Share item:



DESCRIPTION**ARCHITECT & PRODUCT RESOURCES****Dome Roof 1 Opening Smoking/Bus Shelter - With Bench**

These Smoking/Bus shelters protect your riders or smokers from the elements. Use these shelters to identify smoking or gathering locations on your grounds away from doorways and other entrances. Easy to assemble on your slab, these low maintenance shelters can be put together by 2 people in less than a day.

All shelters feature:

- Maintenance free aluminum structural components
- 1/4" Tempered safety glass panels
- Glass panels are glazed within wall extrusions and are sealed with a concealed gasket
- 83" interior ceiling height
- ADA compliant design

Dome roof features:

- Acrylic dome roof is 1/4" thick
- Translucent material allows daylight overhead
- Roof drains into full perimeter gutter system

Bench features:

- Bench seat and backrest are mill finish
- Seat and backrest mount directly to upright wall structure
- Bench Length 6'8" for 10' shelter and 7'8" for 12' shelters

2 yds concrete max.

MY ACCOUNT

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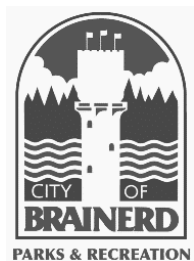
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Brainerd Park Board Agenda Request

Requested Meeting Date: January 26, 2021

Title of Item: Gregory Park Leisure Rink Lighting

☒ INFORMATION ONLY ☐ ACTION REQUESTED	Action Requested: ☐ Direction Requested ☐ Discussion Item
Submitted by: City Engineer/Interim PW Director Sandy	Department: Parks
Presenter (Name & Title): City Engineer/Interim PW Director Sandy	Estimated Time Needed: 5 Minutes
Summary of Issue: Staff received a forwarded complaint from City Council member Bevans regarding the rink lights at Gregory Park being left on all night. Upon further review, Mr. Bevans confirmed that is indeed the case.	
Alternatives, Options, Effects on Others/Comments: After some research, staff found that the rink lights mounted on the poles around the rink are a part of the same circuit as the lights that light the sidewalk, and are on a photocell (turn on when it gets dark enough). Staff contact Trent Hawkinson at BPU to inquire on what could be done in the interim to get the lights off after the rinks close. Trent thought he could dig up a timer system that would work to get those lights off at a prescribed time. The lighting system itself was also an item of concern for this resident of north Brainerd along with Mr. Bevans, which leads staff down a path of doing a short term solution until a long term solution to this area (lights and timers) can be found and presented to the Park Board. Recreation Coordinator Kaufman also stated the rink light mounted to the warming house gets shut off and on by the attendant (which are hired and will be staffed soon). So the only real issue is how to get the lights turned off on the rink and overriding the photocell that turns the rest of the lights on in the Park. When Trent did some digging for an old timer, he was unable to find anything. However, he did some quick research and found that he may be able to get materials for less than \$100, along with some labor to install this and get the circuits separated (unknown cost at this time, but may know at time of meeting).	
Recommended Action/Motion: This is more of an informational item unless the Park Board has some thoughts or official actions to act on in regards to these lights.	
Financial Impact: Is there a cost associated with this request: ☒ Yes ☐ No What is the total cost, with tax and shipping \$ <u>unknown</u> Is this budgeted? ☒ Yes ☐ No <u>Please Explain:</u> This is an item that would presumably come out of the repairs and maintenance budget, and should be a relatively low cost item if BPU cannot find a used timer (less than \$200-\$250).	



PARKS DEPARTMENT MAINTENANCE AND RECREATION REPORT JANUARY 26, 2021 PARK BOARD MEETING

Recreation

Youth and Adult Pond Hockey Program was cancelled and refunded due to low enrollment.

Adult softball programming and soliciting to teams for registration will commence before next park board meeting. Historically, we have allowed those who signed up last summer first chance to sign up before opening to new teams. Our returning team deadline will be Friday, March 5, 2021. New teams may enroll March 8, 2021. At this time, staff is not suggesting any registration fee increases for adult sports.

Community Ed & YMCA Contract details

- Logistical meeting with YMCA took place on January 6, 2021
- Pre-purchased 2020 uniforms were delivered to YMCA and Community Ed for 2021 using on January 22, 2021.
- Logistical meeting with Community Ed, Joe Pohlkamp will take place January 22, 2021.

Brainerd Baxter Baseball Association

Our website has been updated to forward all users to the BBBA for registration. At the last meeting they discussed adding a 9U state qualifier. We would be happy to add that to our website for the association. Staff would like to develop a contract with the BBBA to better set-in stone reservation of fields, invoice payment reception for maintenance services, concession services requested, and whether they will need to pay to reserve our fields for their tournaments.

Their functioning website is: <https://www.brainerdbaxterbaseball.com/>

Warming Houses

Warming House attendants were hired on January 20 and trained on January 21, 2021.

Emails to those who were not selected for employment were sent on January 22, 2021.

Warming Houses will be open from January 25 through March 7, 2021 weather permitting. Free skate loaning system will be up and running. Warming houses may only serve 25% capacity at any given time. This amounts to 6 individuals for Gregory and Mill Avenue and 4 individuals for Bane Park. Signs will be made and placed at parks for policy and covid-19 guidance.

Warming house hours will be as followed:

Monday – Friday 4:00 -8:00 p.m.

Saturday 12:00 p.m. – 8:00 p.m.

Sunday 1:00 p.m. – 7:00 p.m.

Skating Rink Condition Reporting

We have created a Rink Condition Reporting system where staff connects with maintenance staff daily on quality of ice. We will post via social media the quality of ice on scale of Good, Fair, or Poor for each of our rinks. Idea is to inform those traveling so they do not waste time if rinks are not in skating shape.



Dog Park

It was reported there may be some illness related to the dog park. A community member claimed their dogs got sick (vomiting/diarrhea). After speaking to the Vet that inspected said community member's dogs, the illness is bacterial not serious virus/toxicity related. I have sent out some feelers in the Buster Park Facebook Group to see if there are other dogs that visited the left side of the dog park within the 1/10- 1/19 timespan and are also experiencing similar side effects.

Special Events

The Valentine's Day Skating Party will be cancelled this year due to current governor guidelines.

Staff will begin to brainstorm a way to have the Brainerd Easter Egg Hunt, under several scenarios of possible government guidelines.

Maintenance Report

Being this is my first report, I would like to start off by saying that I am truly excited to be serving the Park Board in this capacity. I am excited for this opportunity to serve you all and to help assist in making our parks something we can truly be proud of. Please feel free to reach out to me at any time with questions, recommendations, concerns, or anything else that could help me with this transition.

In the past month since December 18th, I have been slowly trying to wrap my head around the needs of the park system by touring each park multiple times. I have been through each park 3-times since I started in this role, once each with Katie, Troy, and Park Board member Yeager. This brought to light the issues that you all have seen within the parks as it is identified in the Park Board's review of each park. In short, I believe we have made a lot of headway, but we also have a lot more to do. I am excited to do this with you.

Memorial Park

Before my time in this role, I was involved some with the process to select the consultant engineer's working on the design, plans, and specifications of Memorial Park. It is great to see how far it has come since that time. Since the last time we talked about this project at the Park Board meeting, I have been working with the consultants and some utility coordination with BPU, getting familiarized with the plans and specifications, along with working with Emily Noble, Meta Mandich, and the consultant engineers on how to incorporate the splash pad along with the corresponding donor recognition items. We have been working on an area adjacent to the splash pad for these items for recognition including a column with donor names to ensure they are recognized for their contributions to the construction of the splash pad. Because of the up to \$100,000 match provided in the 2021 budget provided by the City Council and all the donations received and that continue to be received, this addition to Memorial Park should be a 100% go in 2021 along with the construction within the park. The schedule for this project is currently to start construction in early May, with substantial and final completion in September.

Proposed Work Session with the Park Board

The Park Board members have all taken a lot of their own time to put together a detailed list of needs and priorities to be considered in each park for future budgeting, both from a capital and maintenance expenditure standpoint. To further this evaluation, along with the evaluations done by staff, I am proposing a work session to strategize and prioritize capital and maintenance expenditures in the future. The intent of this session would be to help me formulate the future capital plan using the culmination of all the data collected by staff, Park Board members, and the facility study performed by WSN.

This work sessions will evolve as we go, but I intend on formulating a survey with all the needs identified in each park from these data sources. This survey will prioritize what each Park Board member feels is the most important in each park, along with imagining the future of each park. From this survey and work session, staff would create the new 30-year capital plan from this information, along with up-to-date pricing and cost estimates. This process would commence over the spring and early summer so that we are ready for the 2022 budgeting process that typically starts in July. Staff will be looking for times and dates that work for all members of the Park Board to hold this work session and get this project kicked-off. We intend on having a small session with WSN in relation to the Lum Park Master Plan along with this prioritization session (as they tend to follow the same path).

Capital Equipment Upgrades

Since the adoption of the budget, I have been working with Troy Harris on the procurement of the capital equipment in the budget for 2021. These items include a leased vehicle (to replace an existing lease), a skid steer trailer, a new diesel mower, Buster Park gazebo replacement, beach house shingles, Triangle Park playground equipment, Gregory Park basketball court resurfacing, a stump grinder, a winter cab for our John Deere snowblower, and a security system for the College Drive bridge. Some of these items may change or disappear based upon the discussions at the Park Board work session. The need to standardize equipment, park design/maintenance, and other items within the park system became evident to me upon visiting each park.

Design Standards

Based upon some conversation I have had with staff and Park Board member Yeager, along with my own visual observations of each park, it is ever more evident that a clear and concise set of design standards is needed to guide staff in future procurement of capital and maintenance items within the parks. At the February Park Board meeting, staff will be bringing forward some examples of design standards so that the Board may review these items and possibly set up a second work session specifically revolving around this notion of standardizing.

Staff Training

You can see that the Park Board packets, agenda requests, and other items look much different than they have in the past. One of the first items we tackled as new co-workers was the use of agenda center and creating new Park Board agenda requests to help streamline the Park Board meetings. This is the format we use at City Council meetings, along with the standardized Rules of Decorum that the Council passed for all Boards and Commissions. We will continue to utilize this system, along with working with the Park Board President and Vice President to present the packets and agenda in the way they would like in the future.

Maintenance Tasks Completed Month Prior

A list (non-exhaustive) of the maintenance tasks performed in the prior month can be seen below:

- New cab installed on John Deere snowblower tractor.
- Helping the Street Department with snow events (plowing, ice control)
- Cleaning and flooding rinks daily.
- Kiosk installed at Gregory Park for Northside Association.
- Repaired vandalism at Gregory Park restroom.
- Assisted BPU in removal of downtown holiday decorations and stored in annex.
- Plowed trails, sidewalks and park areas.
- Procured and set up new skid steer trailer.

- Marked trees in various parks for removal.
- Continued garbage and dog park pickup 3 days/week.
- Had new security system installed at Gregory Park.
- Vehicles washed once/week.
- Installed new tires on plow truck.
- Prepared 2004 Ford F-150 for auction (trade in from 2020 lease).
- Purchased new Toro 72" mower.
- Prepped other items outgoing due to capital purchases in 2021 for auction.

If you have questions about the content of this report, please contact Paul or Katie at City Hall.