

**PERMIT REPORT**

**To:** Board of Managers

**From:** Elizabeth Showalter, Permitting Technician

**Date:** October 22, 2018

**Re:** Permit 18-535: Pamela Park (Edina) and Bde Maka Ska (Minneapolis) Pond Dredging

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**Recommendation:**

Approval of MCWD permit application on the following conditions:

1. Submission of a dewatering plan and confirmation by staff that the plan is consistent with rule requirements.

**Background:**

The Minnehaha Creek Watershed District has applied for a Minnehaha Creek Watershed District permit for the removal of accumulated sediment from two stormwater ponds. The application was complete on October 9, 2018.

Pamela Park Pond 1 and Southwest Bde Maka Ska Storm Pond – Cell 1 are proposed to be dredged, as shown on the attached site plans. The MCWD Dredging Rule does not apply to the work because neither pond to be dredged is a public water or public water wetland.

**District Rule Analysis:****Erosion Control Rule**

The District's Erosion Control Rule is applied to projects proposing 5,000 square feet of disturbance or 50 cubic yards of fill, excavation, or stockpiling on-site. The Applicant is proposing 6,800 cubic yards of excavation, therefore the rule is triggered. In accordance with the rule provisions, the Applicant has submitted an erosion control plan which identifies erosion and sediment control best management practices, including silt fence and a rock construction entrance. Any area disturbed will be stabilized with a native seed mix and disc anchored mulch; areas adjacent to the road will be stabilized with a low maintenance turf mix.

Submission of a dewatering plan (if work occurs when the water column is not frozen through) is listed as a condition of approval, subject to District approval. Upon satisfaction of the recommended condition, the project will meet the Erosion Control Rule.

**Summary:**

The Minnehaha Creek Watershed District has applied for a Minnehaha Creek Watershed District permit under the Erosion Control Rule for dredging of two stormwater ponds. The proposed project meets the applicable requirements under the applicable rules, upon satisfaction of the recommended conditions. Staff recommends approval of the permit with the conditions listed.





**Attachments:**

1. Application Form
2. Site Plans

*We collaborate with public and private partners to protect and improve land and water for current and future generations.*



**WATER RESOURCE PERMIT APPLICATION FORM**

Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:  
15320 Minnetonka Blvd. Minnetonka, MN 55345.

Keep a copy for your records.

**YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.**

1. Name of each property owner: City of Edina  
 Mailing Address: 4801 W. 50th St. City: Edina State: MN Zip: 55424  
 Email Address: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc...)  
 Business Name: Minnehaha Creek Watershed District Representative Name: Janna Jonely  
 Business Address: 15320 Minnetonka Blvd City: Minnetonka State: MN Zip: 55345  
 Email Address: jjonely@minnehahacreek.org Phone: 952.641.4523 Fax: \_\_\_\_\_

3. Project Address: ~ 3938 W. 58th St. City: Edina  
 State: MN Zip: 55424 Qtr Section(s): \_\_\_\_\_ Section(s): \_\_\_\_\_ Township(s): \_\_\_\_\_ Range(s): \_\_\_\_\_  
 Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_ PID: 1902824140082

4. Size of project parcel (square feet or acres): 3.21 Ac.  
 Area of disturbance (square feet): 1.02 Ac. ~ 44,500 sq.ft. Volume of excavation/fill (cubic yards): ~ 2,800 cy  
 Area of existing impervious surface: \_\_\_\_\_ Area of proposed impervious surface: \_\_\_\_\_  
 Length of shoreline affected (feet): \_\_\_\_\_ Waterbody (& bay if applicable): Minnehaha Creek

5. Type of permit being applied for (Check all that apply):

<input checked="" type="checkbox"/> EROSION CONTROL	<input type="checkbox"/> WATERBODY CROSSINGS/STRUCTURES
<input type="checkbox"/> FLOODPLAIN ALTERATION	<input type="checkbox"/> STORMWATER MANAGEMENT
<input type="checkbox"/> WETLAND PROTECTION	<input type="checkbox"/> APPROPRIATIONS
<input type="checkbox"/> DREDGING	<input type="checkbox"/> ILLICIT DISCHARGE
<input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION	

6. Project purpose (Check all that apply):

<input type="checkbox"/> SINGLE FAMILY HOME	<input type="checkbox"/> MULTI FAMILY RESIDENTIAL (apartments)
<input type="checkbox"/> ROAD CONSTRUCTION	<input type="checkbox"/> COMMERCIAL or INSTITUTIONAL
<input type="checkbox"/> UTILITIES	<input type="checkbox"/> SUBDIVISIONS (include number of lots)
<input checked="" type="checkbox"/> DREDGING	<input type="checkbox"/> LANDSCAPING (pools, berms, etc.)
<input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION	<input type="checkbox"/> OTHER (DESCRIBE): _____

7. NPDES/SDS General Stormwater Permit Number (if applicable): \_\_\_\_\_

8. Waterbody receiving runoff from site: Pamela Park Stormwater Ponds 2 and 3, Minnehaha Creek

9. Project Timeline: Start Date: 12/18 Completion Date: 03/19

Permits have been applied for: City  County  MN Pollution Control Agency  DNR  COE   
 Permits have been received: City  County  MN Pollution Control Agency  DNR  COE

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

Janna Jonely Signature of Each Property Owner 9/18/18 Date

**WATER RESOURCE PERMIT APPLICATION FORM**

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15320 Minnetonka Blvd. Minnetonka, MN 55345.

Keep a copy for your records.

**YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.**

1. Name of each property owner: City of Minneapolis Park and Recreation Board  
Mailing Address: 2117 West River Road City: Minneapolis State: MN Zip: 55411  
Email Address: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc...)  
Business Name: Minnehaha Creek Watershed District Representative Name: Janna Jonely  
Business Address: 15320 Minnetonka Blvd. City: Minnetonka State: MN Zip: 55345  
Email Address: jjonely@minnehahacreek.org Phone: 952.641.4523 Fax: \_\_\_\_\_

3. Project Address: 3701 Zenith Ave. S. City: Minneapolis  
State: MN Zip: 55410 Qtr Section(s): \_\_\_\_\_ Section(s): \_\_\_\_\_ Township(s): \_\_\_\_\_ Range(s): \_\_\_\_\_  
Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_ PID: 0502824340001

4. Size of project parcel (square feet or acres): 16.34 Ac.  
Area of disturbance (square feet): 0.7 Ac. ~30,500 sq.ft. Volume of excavation/fill (cubic yards): ~4,000 cy  
Area of existing impervious surface: \_\_\_\_\_ Area of proposed impervious surface: \_\_\_\_\_  
Length of shoreline affected (feet): \_\_\_\_\_ Waterbody (& bay if applicable): Bde Maka Ska

5. Type of permit being applied for (Check all that apply):  
 EROSION CONTROL  WATERBODY CROSSINGS/STRUCTURES  
 FLOODPLAIN ALTERATION  STORMWATER MANAGEMENT  
 WETLAND PROTECTION  APPROPRIATIONS  
 DREDGING  ILLICIT DISCHARGE  
 SHORELINE/STREAMBANK STABILIZATION

6. Project purpose (Check all that apply):  
 SINGLE FAMILY HOME  MULTI FAMILY RESIDENTIAL (apartments)  
 ROAD CONSTRUCTION  COMMERCIAL or INSTITUTIONAL  
 UTILITIES  SUBDIVISIONS (include number of lots)  
 DREDGING  LANDSCAPING (pools, berms, etc.)  
 SHORELINE/STREAMBANK STABILIZATION  OTHER (DESCRIBE): \_\_\_\_\_

7. NPDES/SDS General Stormwater Permit Number (if applicable): \_\_\_\_\_

8. Waterbody receiving runoff from site: SW Bde Maka Ska Stormwater Pond, Bde Maka Ska

9. Project Timeline: Start Date: 12/18 Completion Date: 03/19

Permits have been applied for: City  County  MN Pollution Control Agency  DNR  COE   
Permits have been received: City  County  MN Pollution Control Agency  DNR  COE

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

Janna Jonely \_\_\_\_\_ 9/18/18 \_\_\_\_\_  
Signature of Each Property Owner Date

# CIVIL CONSTRUCTION PLANS FOR 2018-2019 POND MAINTENANCE SOUTHWEST BDE MAKA SKA STORM POND - CELL 1

## CITY OF MINNEAPOLIS HENNEPIN COUNTY, MINNESOTA

### CLIENT



**MINNEHAHA CREEK**  
WATERSHED DISTRICT  
MINNEHAHA CREEK WATERSHED DISTRICT  
15320 MINNETONKA BLVD  
MINNETONKA, MN 553454  
(P) - 952-641-4523  
CONTACT: JANNA JONELY, PROJECT AND LAND MANAGEMENT TECHNICIAN

### ENGINEER



Responsive partner. Exceptional outcomes.  
**WENCK ASSOCIATES, INC.**  
7500 OLSON MEMORIAL HIGHWAY  
#300  
GOLDEN VALLEY, MN 55427  
(P) - 763-252-6844  
CONTACT: CHRIS J. MEEHAN, P.E.

**WENCK**  
Responsive partner.  
Exceptional outcomes.  
7500 OLSON MEMORIAL HWY  
SUITE 300  
GOLDEN VALLEY, MN 55427  
PHONE: 763-252-6800  
FAX: 952-831-1268  
WWW.WENCK.COM

SUB CONSULTANT:

CLIENT:



**MINNEHAHA CREEK**  
WATERSHED DISTRICT

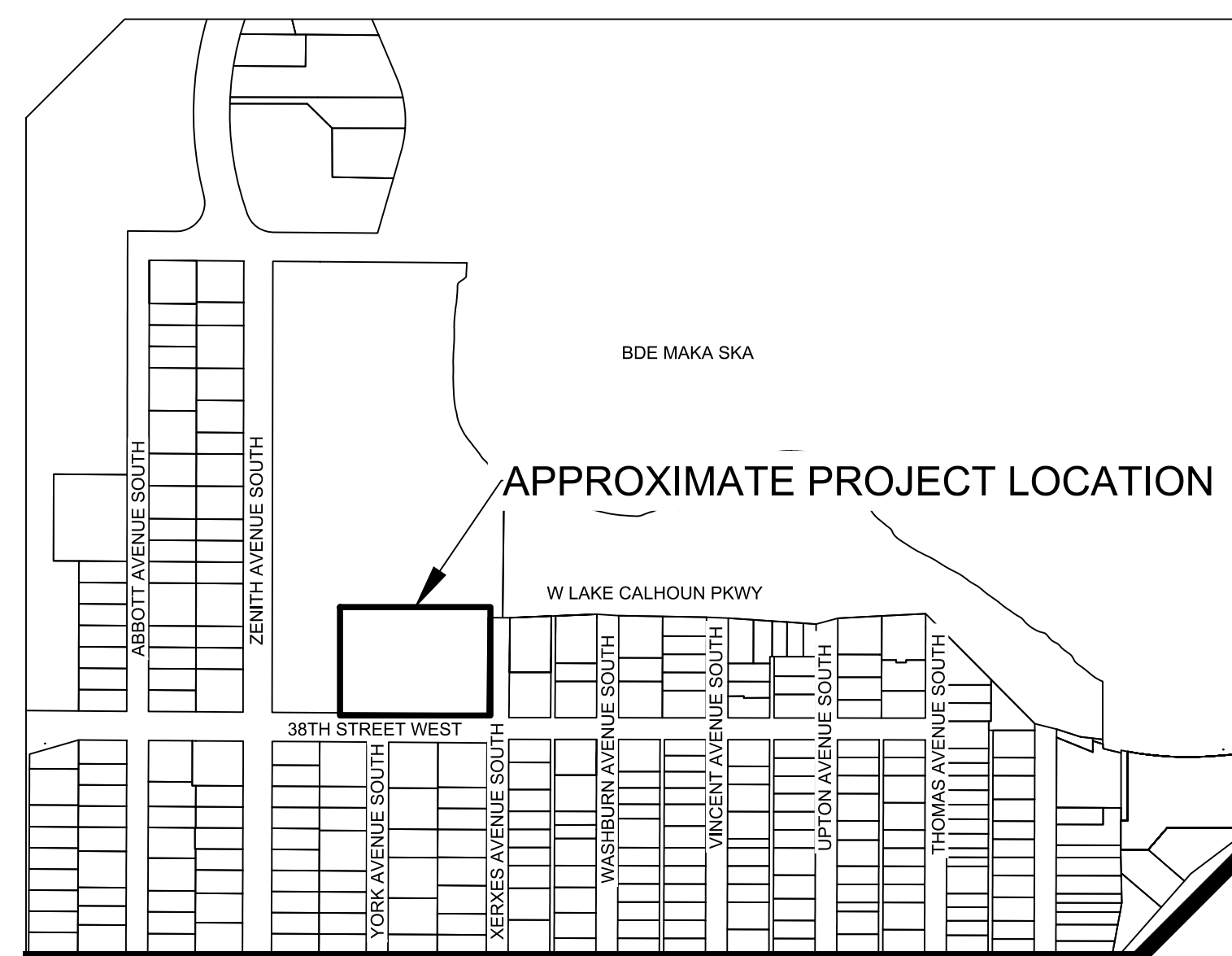
PROJECT TITLE:  
**2018-2019 POND MAINTENANCE**  
SW BDE MAKA SKA STORM POND - CELL 1  
CITY OF MINNEAPOLIS  
HENNEPIN COUNTY, MINNESOTA



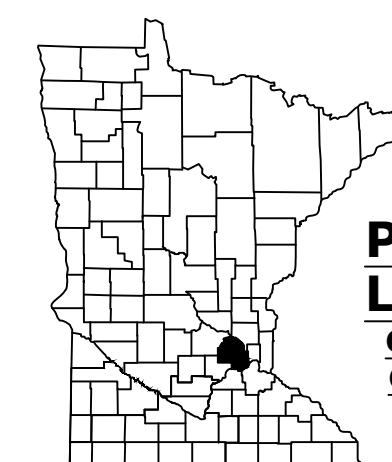
INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
G-101	COVER SHEET
G-102	GENERAL NOTES
C-101	DEMOLITION AND EROSION CONTROL PLAN
C-102	SWPPP
C-301	GRADING PLAN
C-801	DETAILS

THIS PLANSET CONTAINS 6 SHEETS

PROJECT LOCATION MAP  
NOT TO SCALE



PROJECT VICINITY MAP  
NOT TO SCALE



**PROJECT LOCATION**  
CITY: MINNEAPOLIS  
COUNTY: HENNEPIN

#### WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG

**GOPHER STATE ONE CALL**

TWIN CITY AREA: 651-454-0002  
TOLL FREE 1-800-252-1166

DATE	DESCRIPTION	ISSUE NO.
08/11/2018	80% DRAFT DESIGN	1
09/14/2018	85% DRAFT DESIGN	2
09/27/2018	100% DRAFT DESIGN	3

CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*Chris J. Meehan*

LICENSE NO.: 43066

DATE: 09/27/2018

PROJECT NO.: 0185-0112

DWN BY: JTP    CHKD BY: MUS    APP'D BY: CJM

ISSUE DATE: 09/27/2018

ISSUE NO.: 3

SHEET TITLE:

COVER SHEET

SHEET NO.:

G-101

**PROJECT SCOPE:**

1. THE CONTRACTOR SHALL COMPLETE ALL EROSION CONTROL, DEMOLITION, CLEARING AND GRUBBING, GRADING, AND RESTORATION TO ACHIEVE PROPOSED IMPROVEMENTS AS INDICATED ON THE DRAWINGS IN CONFORMANCE WITH GOVERNING SPECIFICATIONS AND CODES.

**GENERAL NOTES:**

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" (LATEST EDITION) & LATEST SUPPLEMENTS, AND APPLICABLE CITY AND COUNTY REGULATIONS. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS, AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT, AND ALL OTHER DELETERIOUS MATERIAL.
3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. NO GUARANTEE IS MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
4. TOPOGRAPHIC INFORMATION IS TAKEN FROM LIDAR, AVAILABLE GIS DATA, AND SUPPLEMENTARY SURVEY BY WENCK. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
5. ALL QUANTITIES ARE APPROXIMATE AND MAY VARY TO ALLOW COMPLETION OF WORK.
6. EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, FIBER OPTIC, PIPELINES, ELECTRICAL, AND CABLE TV ARE UNKNOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING PRIOR TO STARTING WORK.
7. CONTRACTOR SHOULD ANTICIPATE PRIVATE UTILITY CONFLICTS THROUGHOUT THE PROJECT SUB CUT AND TRENCH AREAS AND SHALL COORDINATE WITH PRIVATE UTILITY OWNERS. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
8. THE RELOCATION AND OR PROTECTION OF ALL EXISTING UTILITIES MUST BE COORDINATED BY THE CONTRACTOR AND ANY COSTS FOR SUCH WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR EXTRA TIME AND EFFORT OF PROVISIONS NECESSARY TO WORK AROUND OR UNDER ANY UTILITIES.
9. REVIEW ALL TREE REMOVALS WITH ENGINEER AND CITY PRIOR TO BEGINNING CLEARING AND GRUBBING. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR VEGETATION REMOVAL BEYOND WHAT IS NECESSARY TO COMPLETE WORK.
10. SALVAGE AND REINSTALL STREET AND TRAFFIC SIGNS, AS DIRECTED BY FIELD ENGINEER (INCIDENTAL).
11. INSTALL AND MAINTAIN EROSION CONTROL DEVICES AS SPECIFIED, AS DIRECTED BY ENGINEER, OR PER CITY, STATE, AND NPDES REGULATION.
12. CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY, AND CITY PERMITS.
13. MAINTAIN MAIL SERVICE TO PROPERTIES.
14. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
15. PROTECT EXISTING PAVEMENT AND SITE FEATURES, EXCEPT AS NOTED.
16. CONTRACTOR TO COORDINATE AND MAINTAIN ACCESS TO PROPERTIES THROUGHOUT CONSTRUCTION.
17. ANY EXISTING FENCE IN CONFLICT WITH CONSTRUCTION ACTIVITIES SHALL BE SALVAGED AND REINSTALLED. IF FENCE IS DAMAGED DURING CONSTRUCTION, CONTRACTOR REQUIRED TO INSTALL NEW FENCE OF SIMILAR MATERIAL AT NO COST TO THE OWNER, AND TO A CONDITION EQUAL TO OR BETTER THAN THAT OF THE EXISTING FENCE.
18. MAINTAIN DRAINAGE CONVEYANCE DURING CONSTRUCTION (BOTH PIPED AND OVERLAND).
19. EXISTING PAVEMENT CONDITIONS HAVE BEEN DOCUMENTED. IF PAVEMENT BENEATH PAVEMENT PROTECTION IS DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPLACE THE PAVEMENT DAMAGED AT NO COST TO THE OWNER.
20. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL FROM THE OWNER AND NOTIFICATION TO THE ENGINEER.
21. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
22. SAFETY NOTICE TO CONTRACTORS: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE ENGINEER OR THE OWNER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE OR STAGING AREA.
23. CONTRACTOR TO PERFORM STAGING ALONG NORTH EDGE OF WEST 38TH STREET, OR AS DIRECTED BY CITY. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLAN TO ENGINEER AND CITY. SEE NOTE IN TRAFFIC CONTROL SECTION THE EXISTING CONDITIONS OF THE PAVEMENT AND INFRASTRUCTURE WITHIN THE PROPOSED STAGING AREA HAVE BEEN DOCUMENTED. ANY DAMAGE TO THE PAVEMENT, CURB, ETC WITHIN THIS AREA SHALL BE REPAIRED OR REPLACED IN EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER AND IS INCIDENTAL TO THE CONTRACT.
24. IF REPRODUCED, THE SCALES SHOWN ON THESE PLANS ARE BASED ON A 22"x34" SHEET.

**EROSION CONTROL NOTES:**

1. THE STORM WATER POLLUTION PREVENTION PLAN "(SWPPP)" IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, SPECIFICATIONS, AND ATTACHMENTS, IN ADDITION TO THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. IF APPLICABLE, ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE SWPPP AND MINNESOTA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND BE FAMILIAR WITH THEIR CONTENTS.
3. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS, OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER, OR AS SITE CONDITIONS DICTATE.
4. SEE SHEETS C-101 AND C-102 FOR EROSION CONTROL PLAN AND SWPPP.
5. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION. COORDINATE WITH ENGINEER.
6. CONCRETE WASH-OUT SHALL COMPLETED OFF-SITE OR CONCRETE READY MIX TRUCKS SHALL BE SELF-CONTAINED.
7. ALL EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCEMENT OF WORK, MAINTAINED IN ACCORDANCE WITH THE SWPPP, NPDES, AND SPECIFICATIONS THROUGHOUT DURATION OF PROJECT, AND REMOVED UPON ESTABLISHMENT OF FINAL STABILIZATION AS DIRECTED BY ENGINEER. EROSION CONTROL MEASURES USED FOR CONSTRUCTION SHALL NOT BE REMOVED UNTIL AUTHORIZED BY OWNER OR ENGINEER.
8. REMOVE TRACKED SEDIMENT FROM ALL PAVED SURFACES BOTH ON AND OFFSITE ON A DAILY BASIS (INCIDENTAL).
9. MINIMIZE DUST FROM CONSTRUCTION OPERATIONS BY PROVIDING WATER OR OTHER APPROVED METHOD ON A DAILY BASIS (INCIDENTAL).
10. FINAL STABILIZATION TO BE COMPLETED WITHIN ONE WEEK (7 DAYS) OF SITE GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOD, OR ROCK BASE, AS DETAILED ON THE CONSTRUCTION DOCUMENTS.
11. TEMPORARY SEEDING OR OTHER APPROVED METHODS OF STABILIZATION SHALL BE INITIATED WITHIN 7 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE.
12. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ON A PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR OTHER BMP. ALL FINES IMPOSED FOR DISCHARGING SEDIMENT ONTO PUBLIC AREAS SHALL BE PAID BY THE CONTRACTOR.
13. CONTRACTOR SHALL DENOTE ON THE PLAN THE TEMPORARY PARKING, STORAGE AREAS, EQUIPMENT MAINTENANCE, AND CLEANING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES SUCH AS TOILETS OR OFFICE TRAILER.
14. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

**REMOVAL NOTES:**

1. FEATURES NOT SPECIFICALLY IDENTIFIED ON PLAN FOR SALVAGE OR REMOVAL THAT CONFLICT WITH CONSTRUCTION ARE TO BE REVIEWED WITH ENGINEER, CITY, AND WATERSHED.
2. CONSTRUCTION IS ANTICIPATED TO OCCUR DURING COLD WEATHER. IN THE EVENT THAT SNOW REMOVAL IS REQUIRED FOR SITE ACCESS AND CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL COORDINATE WITH CITY FOR SNOW STORAGE AREAS. SNOW REMOVAL AND STORAGE IS INCIDENTAL TO THE CONTRACT.

**DEWATERING NOTES:**

1. A BID ITEM HAS BEEN PROVIDED FOR DEWATERING SOUTHWEST BDE MAKA SKA STORM POND CELL 1. DEWATERING FOR ALL OTHER WORK, INCLUDING BUT NOT LIMITED TO DEWATERING METHODS FOR MAINTAINING DRAINAGE FROM UPSTREAM WATER BODIES, SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE BID ITEM.
2. ENERGY DISSIPATION SHALL BE PROVIDED AT ALL DISCHARGE POINTS TO PREVENT SCOUR.
3. PROVIDE SILT BAGS FOR DEWATERING.
4. CONTRACTOR RESPONSIBLE TO SUBMIT DEWATERING PLAN TO ENGINEER, CITY, AND WATERSHED FOR REVIEW. DEWATERING SHALL MEET ALL PERMIT REQUIREMENTS AND BE APPROVED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES.
5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMISSION/PERMIT FROM CITY AND OTHER GOVERNING AGENCIES TO DEWATER OUTSIDE OF REGULAR WORKING HOURS.
6. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY REGULATED NOISE ORDINANCES AND SHALL APPLY FOR APPROPRIATE PERMITS IF ANTICIPATED NOISE IS ABOVE MAXIMUM THRESHOLD. ALL DEWATERING NOISE OUTSIDE OF REGULAR WORKING HOURS MAY REQUIRE NOISE SUPPRESSION METHODS (I.E. NOISE SHELTERS, DAMPERS, ETC.) THAT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
7. A TEMPORARY EARTHEN DAM HAS BEEN INCLUDED WITHIN THE BID ITEM FOR DEWATERING TO MAINTAIN LOW WATER LEVELS WITHIN THE DREDGING AREA. CONTRACTOR SHALL SUBMIT DESIGN FOR EARTHEN DAM FOR REVIEW AND APPROVAL TO OWNER AND ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO COMMENCING CONSTRUCTION.
8. ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES MUST BE DISCHARGED IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACT TO THE WETLAND. ALL DEWATERING MUST COMPLY WITH THE NPDES PERMIT AND APPLICABLE CITY AND STATE REGULATIONS.

**REVEGETATION NOTES:**

1. WETLAND BUFFER SHALL NOT BE DISTURBED. IF DISTURBED, CONTRACTOR SHALL REIMBURSE OWNER FOR REVEGETATION (BY OTHERS) AT CURRENT CONTRACT RATES
2. REVEGETATE ALL DISTURBED AREAS ADJACENT TO THE ROAD WITH LOW MAINTENANCE TURF SEED MIX 25-131 AND STRAW MULCH TYPE 1 WITH DISC ANCHORING.

**UTILITY NOTES:**

1. ALL DRAINAGE INLETS AND OUTLETS TO THE POND SHALL BE KEPT CLEAN OF DEBRIS AND SEDIMENT DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REMOVE ANY REMAINING SEDIMENT OR DEBRIS WITH THE POND INLETS/OUTLETS UPON COMPLETION OF DREDGING ACTIVITIES TO THE SATISFACTION OF THE OWNER.

**GOVERNING SPECIFICATIONS:**

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" (LATEST EDITION) & LATEST SUPPLEMENTS, AND APPLICABLE CITY AND COUNTY REGULATIONS. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
2. CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) STANDARD UTILITIES SPECIFICATIONS (LATEST EDITION)
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES.

**TRAFFIC CONTROL NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION STAGING, ON OR OFFSITE, AS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PROJECT DOCUMENTS. A STAGING PLAN SHALL BE SUBMITTED TO THE ENGINEER AND CITY FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MNUCTD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER AND THE CITY OF MINNEAPOLIS FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES. PLANS SHALL COMPLY WITH ALL APPLICABLE PERMIT REQUIREMENTS.
3. THE EXISTING PAVEMENT CONDITIONS HAVE BEEN DOCUMENTED, AND ANY DAMAGE TO THE EXISTING PAVEMENT, STRIPING, AND SHOULDERING SHALL BE REPLACED BY THE CONTRACTOR, TO THE OWNERS SATISFACTION, AT NO ADDITIONAL COST TO THE OWNER.

**TREE PRESERVATION NOTES:**

1. PROTECT EXISTING TREES THAT ARE NOT TO BE REMOVED. INSTALL ORANGE MESH FENCING, 4' HIGH, WITH STAKES EVERY 10 FEET, 5' OUTSIDE OF THE DRIP LINE OF ALL PRESERVED TREES, OR AT THE CONSTRUCTION LIMITS AS SHOWN ON THE PLAN. DO NOT PERFORM ACTIONS WITHIN THE PROTECTED AREA THAT MAY HARM THE TREE AND COMPACT THE SOIL, INCLUDING, BUT NOT LIMITED TO EXCAVATION, STORING MATERIALS, PARKING AND TRAFFIC DURING CONSTRUCTION. WHERE CONSTRUCTION REQUIRES DISTURBANCE WITHIN THE PROTECTED AREAS, DISTURB THE ROOT ZONE AS LITTLE AS POSSIBLE. TREE PROTECTION MEASURES SHALL BE CONFIRMED BY OWNER AND ENGINEER PRIOR TO STARTING CONSTRUCTION.
2. ALL TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
3. WHEN TREE ROOTS ARE ENCOUNTERED THAT MUST BE REMOVED, CUT ROOTS CLEANLY AS FAR FROM THE TREE AS POSSIBLE AND IMMEDIATELY WATER AND BACKFILL OVER THE ROOTS TO PREVENT DRYING.

**HORIZONTAL AND VERTICAL CONTROL:**

1. THE HORIZONTAL CONTROL FOR THIS PLAN IS HENNEPIN COUNTY FEET.
2. THE VERTICAL CONTROL FOR THIS PLAN IS NAVD88.

**WARNING:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG  
GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002  
TOLL FREE 1-800-252-1166



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SUB CONSULTANT:

CLIENT:



MINNEHAHA CREEK  
WATERSHED DISTRICT

**2018-2019 POND MAINTENANCE**  
SW BDE MAKA SKA STORM POND - CELL 1  
CITY OF MINNEAPOLIS  
HENNEPIN COUNTY, MINNESOTA

PROJECT TITLE:

DATE:	DESCRIPTION:	ISSUE NO.:
08/12/18	80% DRAFT DESIGN	1
09/14/18	85% DRAFT DESIGN	2
09/27/18	100% DRAFT DESIGN	3

**CERTIFICATION:**

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

*[Signature]*

LICENSE NO.: 43066

DATE: 09/27/2018

PROJECT NO.: 0185-0112

DWN BY: JTP    CHKD BY: MUS    APPD BY: CJM

ISSUE DATE: 09/27/2018

ISSUE NO.: 3

SHEET TITLE:

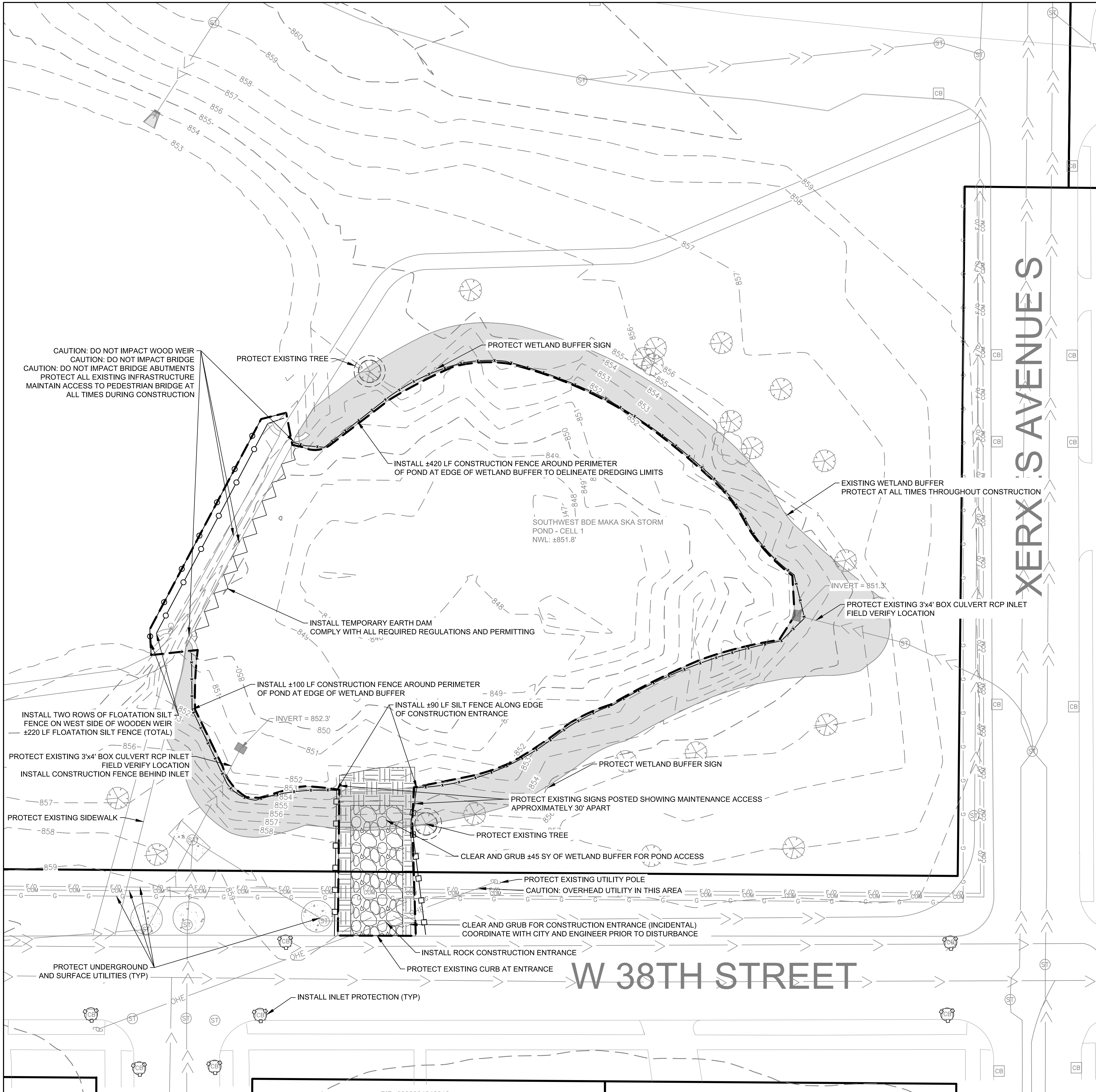
GENERAL NOTES

SHEET NO.:

G-102

9/28/2018 3:02:35 PM

M:\01850112\CL\_DESIGN\MAKA SKA POND\3 PLANSHEET\300 DEMOLITION PLAN AND EROSION CONTROL PLAN.BP.rvt



CAUTION: DO NOT IMPACT WOOD WEIR  
 CAUTION: DO NOT IMPACT BRIDGE  
 CAUTION: DO NOT IMPACT BRIDGE ABUTMENTS  
 PROTECT ALL EXISTING INFRASTRUCTURE  
 MAINTAIN ACCESS TO PEDESTRIAN BRIDGE AT ALL TIMES DURING CONSTRUCTION

PROTECT EXISTING TREE

PROTECT WETLAND BUFFER SIGN

INSTALL ±420 LF CONSTRUCTION FENCE AROUND PERIMETER OF POND AT EDGE OF WETLAND BUFFER TO DELINEATE DREDGING LIMITS

SOUTHWEST BDE MAKA SKA STORM POND - CELL 1  
 NWL: ±851.8'

EXISTING WETLAND BUFFER PROTECT AT ALL TIMES THROUGHOUT CONSTRUCTION

PROTECT EXISTING 3'x4' BOX CULVERT RCP INLET FIELD VERIFY LOCATION

INSTALL TEMPORARY EARTH DAM COMPLY WITH ALL REQUIRED REGULATIONS AND PERMITTING

INSTALL ±100 LF CONSTRUCTION FENCE AROUND PERIMETER OF POND AT EDGE OF WETLAND BUFFER

INSTALL TWO ROWS OF FLOATATION SILT FENCE ON WEST SIDE OF WOODEN WEIR ±220 LF FLOATATION SILT FENCE (TOTAL)

PROTECT EXISTING 3'x4' BOX CULVERT RCP INLET FIELD VERIFY LOCATION  
 INSTALL CONSTRUCTION FENCE BEHIND INLET

PROTECT EXISTING SIDEWALK

PROTECT EXISTING SIGNS POSTED SHOWING MAINTENANCE ACCESS APPROXIMATELY 30' APART

PROTECT EXISTING TREE

CLEAR AND GRUB ±45 SY OF WETLAND BUFFER FOR POND ACCESS

PROTECT EXISTING UTILITY POLE  
 CAUTION: OVERHEAD UTILITY IN THIS AREA

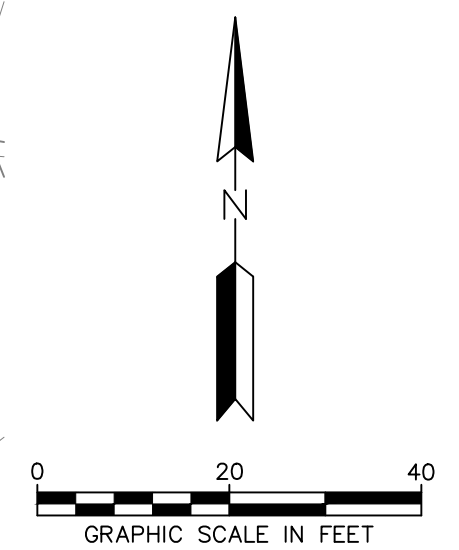
CLEAR AND GRUB FOR CONSTRUCTION ENTRANCE (INCIDENTAL) COORDINATE WITH CITY AND ENGINEER PRIOR TO DISTURBANCE

INSTALL ROCK CONSTRUCTION ENTRANCE

PROTECT UNDERGROUND AND SURFACE UTILITIES (TYP)

INSTALL INLET PROTECTION (TYP)

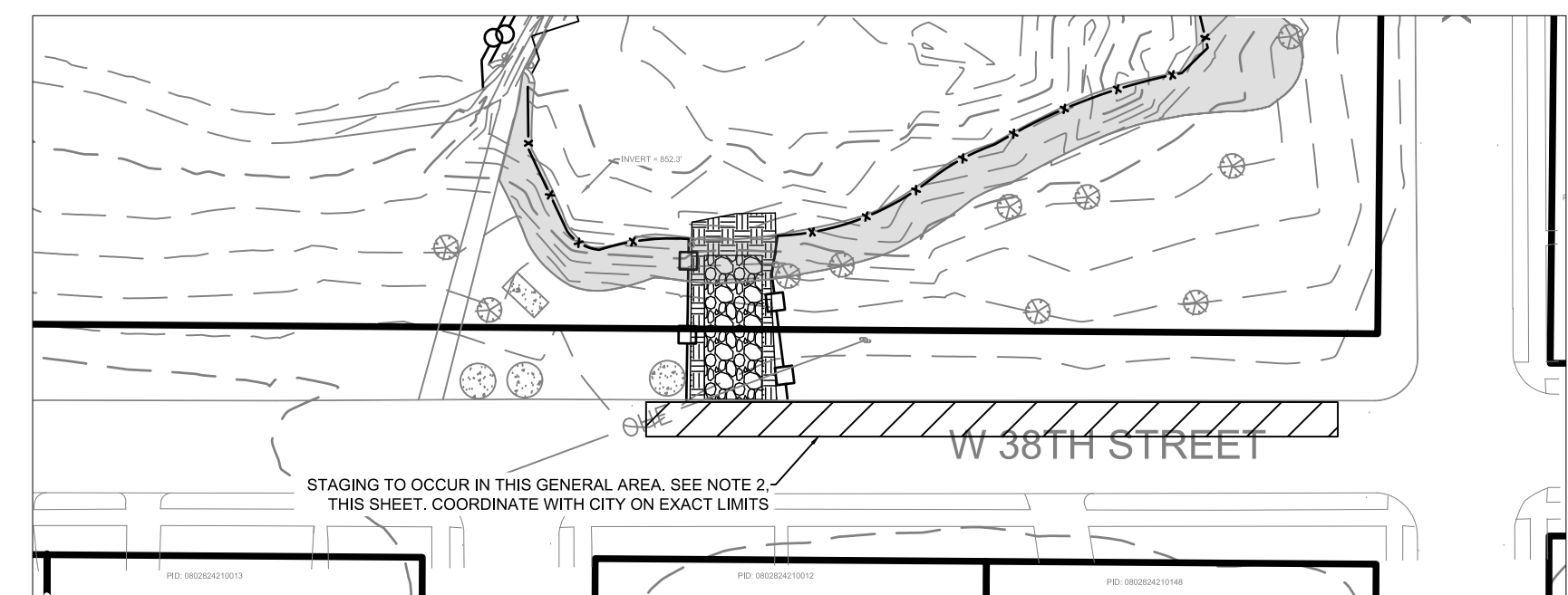
**W 38TH STREET**



**DEMOLITION & EROSION CONTROL LEGEND**

- 901 — EXISTING MINOR CONTOUR
- 900 — EXISTING MAJOR CONTOUR
- — EXISTING CURB AND GUTTER
- — EXISTING EDGE OF PAVEMENT
- — EXISTING TREE LINE
- — EXISTING STORM SEWER
- — EXISTING SANITARY SEWER
- — EXISTING WATER LINE
- — EXISTING OVERHEAD ELECTRIC LINE
- — EXISTING GAS LINE
- — EXISTING COMMUNICATION LINE
- — EXISTING FIBER OPTIC LINE
- — EXISTING UTILITY POLE
- — EXISTING TREE
- — CLEAR AND GRUB LANDSCAPE AREA
- — ROCK CONSTRUCTION ENTRANCE
- — EXISTING WETLAND BUFFER
- — LIMITS OF DISTURBANCE
- — SILT FENCE
- — FLOATATION SILT FENCE
- — CONSTRUCTION FENCING
- — TEMPORARY EARTH DAM
- — INLET PROTECTION
- — TREE PROTECTION (MAY USE SILT FENCE)
- — EXISTING STORM STRUCTURE
- — EXISTING CONCRETE UTILITY VAULT

- DEMOLITION AND EROSION CONTROL NOTES**
- LIMITS OF DISTURBANCE AND SILT FENCE ARE SHOWN OFFSET FROM GRADING LIMITS FOR CLARITY. CONTRACTOR TO INSTALL AND MAINTAIN EROSION PROTECTION ON ALL AREAS RECEIVING STORMWATER RUNOFF FROM THE SITE.
  - STAGING AREA IS TO SOUTH OF SITE ALONG NORTH CURBLINE OF WEST 38TH STREET. COORDINATE WITH CITY. CONTRACTOR TO MAINTAIN ACCESS TO SIDEWALK AND BRIDGE THROUGHOUT THE DURATION OF THE PROJECT.
  - CONTRACTOR TO PROVIDE STORMWATER BYPASS FROM POND INLET TO POND OUTLET AS NECESSARY, AS WEATHER CONDITIONS DICTATE.
  - CONTRACTOR TO PROVIDE EROSION CONTROL BLANKET ON ALL SLOPES GREATER THAN 4:1 SLOPE UPON FINAL EXCAVATION FOR POND SIDE. SLOPE RESTORATION ABOVE NWL.
  - ALL STOCKPILING MUST TAKE PLACE WITHIN EXCAVATED POND FOOTPRINT.
  - EXISTING WATERMAIN AND SERVICES ARE NOT SHOWN AND MAY BE PRESENT WITHIN THE VICINITY OF THE PROJECT AREA. IT IS NOT ANTICIPATED THAT THE PROPOSED DREDGING ACTIVITIES WILL IMPACT ANY EXISTING UNDERGROUND UTILITIES. IN THE EVENT THAT A UTILITY IS DISCOVERED WHICH IS NOT SHOWN ON THESE PLANS DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE CITY AND ENGINEER.



**INSET A: STAGING AREA. N.T.S.**

**WARNING:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

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SUB CONSULTANT:

CLIENT:  
  
**MINNEHAHA CREEK WATERSHED DISTRICT**

**2018-2019 POND MAINTENANCE**  
**SW BDE MAKA SKA STORM POND - CELL 1**  
 CITY OF MINNEAPOLIS  
 HENNEPIN COUNTY, MINNESOTA

PROJECT TITLE:	ISSUE NO.:	DATE:	DESCRIPTION:
2018-2019 POND MAINTENANCE SW BDE MAKA SKA STORM POND - CELL 1	1	08/31/2018	80% DRAFT DESIGN
	2	09/14/2018	95% DRAFT DESIGN
	3	09/27/2018	100% DRAFT DESIGN

CERTIFICATION:  
 I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

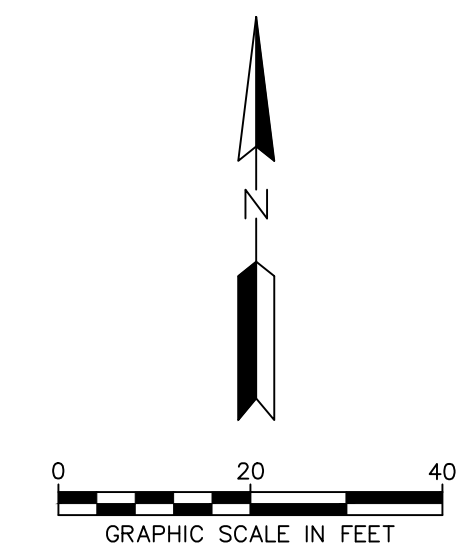
*[Signature]*

LICENSE NO.: 43066  
 DATE: 09/27/2018  
 PROJECT NO.: 0185-0112  
 DWN BY: JTP  
 CHKD BY: MUS  
 APPD BY: CJM  
 ISSUE DATE: 09/27/2018  
 ISSUE NO.: 3  
 SHEET TITLE: DEMOLITION AND EROSION CONTROL PLAN  
 SHEET NO.: C-101





9/28/2018 3:02:44 PM



**GRADING LEGEND**

	PROPERTY LINE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED SLOPE ARROW
	EXISTING CONCRETE UTILITY VAULT
	EXISTING STORM SEWER
	LIMITS OF DISTURBANCE
	DREDGING LIMITS
	EXISTING WETLAND BUFFER TO REMAIN
	EXISTING STORM STRUCTURE

NOTE: STOCKPILE DREDGED MUCK WITHIN POND FOOTPRINT DURING DREDGING ACTIVITIES.

**WARNING:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.  
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SUB CONSULTANT:

CLIENT:  
  
**MINNEHAHA CREEK**  
 WATERSHED DISTRICT

PROJECT TITLE:  
**2018-2019 POND MAINTENANCE**  
**SW BDE MAKA SKA STORM POND - CELL 1**  
 CITY OF MINNEAPOLIS  
 HENNEPIN COUNTY, MINNESOTA

DATE	DESCRIPTION	ISSUE NO.
08/31/2018	80% DRAFT DESIGN	1
09/14/2018	85% DRAFT DESIGN	2
09/27/2018	100% DRAFT DESIGN	3

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LICENSE NO.: 43066  
 DATE: 09/27/2018  
 PROJECT NO.: 0185-0112

DWN BY: JTP  
 CHKD BY: MUS  
 APPD BY: CJM  
 ISSUE DATE: 09/27/2018

ISSUE NO.: 3  
 SHEET TITLE: GRADING PLAN  
 SHEET NO.: C-301

M:\01850112\CAD\BDE MAKA SKA POND'S PLANSHEET\SC-101 GRADING PLAN.BP.dwg

**ROCK ENTRANCE DETAIL**

Public Street, EX. CONCRETE APRON, PROPERTY LINE, MIN 50", 6" MIN. DEPTH OF 1" TO 3" CRUSHED ROCK OR SLASH WOOD MULCH (ALTERNATE) MNDOT SPEC. 3882, TYPE 5, ENTRANCE WIDTH AS REQUIRED 12" MIN.

**ROCK ENTRANCE DETAIL**

Public Street, RADIUS AS REQUIRED, PROPERTY LINE, MIN 50", 6" MIN. DEPTH OF 1" TO 3" CRUSHED ROCK OR SLASH WOOD MULCH (ALTERNATE) MNDOT SPEC. 3882, TYPE 5, ENTRANCE WIDTH AS REQUIRED 12" MIN.

REMOVE TRACKED SEDIMENTS FROM PAVED SURFACES WITHIN 24 HOURS OF DEPOSITION PICK UP OR VACUUM SWEEPER REQUIRED

REFERENCES: MINNESOTA URBAN SMALL SITES BMP MANUAL, PP. 3-69 TO 3-73 MNDOT EROSION CONTROL HANDBOOK

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 2573 NOT TO SCALE

DRW: DCD	DATE: 307	SEDIMENT CONTROL -- ROCK ENTRANCE	STANDARD PLATE NO. SEWR-8002
APP: HRS	DATE: 407		

**BLANKET STAPLING PATTERN**

SLOPES FLATTER THAN 1:2 (1.2 STAPLES PER SQ. YD.)

SLOPES 1:2 TO 1:1 (1.7 STAPLES PER SQ. YD.)

CHANNEL AND DITCH APPLICATIONS (3.5 STAPLES PER SQ. YD.)

STANDARD 6" BLANKET

SLOPES FLATTER THAN 1:2 (1.2 STAPLES PER SQ. YD.)

SLOPES 1:2 TO 1:1 (1.4 STAPLES PER SQ. YD.)

CHANNEL AND DITCH APPLICATIONS (3.5 STAPLES PER SQ. YD.)

STANDARD 8" BLANKET

STANDARD 8" BLANKET

STANDARD 8" BLANKET

INSTALLATION NOTES:

- DIG 6" X 6" TRENCH
- LAY BLANKET END INTO TRENCH
- STAPLE BLANKET IN BOTTOM OF TRENCH EVERY 18"
- BACKFILL TRENCH WITH SOIL AND COMPACT.

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 3885 NOT TO SCALE

DRW: DCD	DATE: 406	BLANKET STAPLING PATTERN	STANDARD PLATE NO. SEWR-8005
APP: HRS	DATE: 407		

**FLOATING SILT CURTAIN**

WATER SURFACE, FLOTATION CARRIER, STEEL CABLE, ANCHOR CABLE OR CHAIN, CURTAIN FABRIC, CURTAIN WEIGHT, ANCHOR, BOTTOM, VARIABLE DEPTH

NOTE: DOUBLE SILT FENCES SHOULD BE SPACED 10' APART. CURTAIN LENGTH TO MATCH BOTTOM PROFILE AS CLOSELY AS POSSIBLE. MAXIMUM INTERVAL FOR SPACING OF WEIGHT IS 15'.

2  
C-801

DRW: DCD	DATE: 303	SEDIMENT CONTROL -- SILT FENCE	STANDARD PLATE NO. SEWR-8001
APP: HRS	DATE: 407		

**SILT FENCE INSTALLATION**

STEEL OR WOOD POST 36" LENGTH MAX AT 4' MAX SPACING, POND HEIGHT, DIRECTION OF RUNOFF FLOW, 4" MIN, 4" X 6" TRENCH WITH COMPACTED BACKFILL, 12" MIN, 6" MIN, TRENCH DETAIL, 9" MAX STORAGE HT, 3/4" MIN DRAIN ROCK, INSTALLATION WITHOUT TRENCHING, USE HI-FLOW FILTER FABRIC, 200 GAL. PER MINUTE PER SQUARE FOOT

NOTES:

- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. REQUIRED WHEN 1/3 FULL WITHIN 24 HOURS OF DISCOVERY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.
- REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND PERMANENTLY STABILIZED ALSO SEE SEWR-8009.

REFERENCES: MINNESOTA URBAN SMALL SITES BMP MANUAL MNDOT SPEC. REF. 2573, 3886, 3889.2 TYPE I MNDOT EROSION CONTROL HANDBOOK

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 2573 NOT TO SCALE

DRW: CXD	DATE: 303	SEDIMENT CONTROL -- SILT FENCE	STANDARD PLATE NO. SEWR-8001
APP: HRS	DATE: 407		

**DEWATERING DEVICE**

SAFETY GRATE, 8" DIAMETER PERFORATED PIPE, 55 GALLON BARREL, ROPE ATTACHED TO FLOCCULANT LOG, 1/4" - 1/2" X 1/2" SLOTS CUT INTO LOWER HALF OF BARREL, TRASH PUMP, EXISTING GROUND, FLOCCULANT SOCK, 1" - 2" DIAMETER CLEAN ROCK ROCK IS TO BE PLACED 2 INCHES ABOVE HIGHEST SILT IN BARREL, MUST DISCHARGE WATER TO AN APPROPRIATE LOCATION SUCH AS A SMALL SEDIMENT BASIN. DO NOT DISCHARGE TO AN EXISTING SURFACE WATER.

DEWATERING DEVICE SHOULD BE PLACED AT THE LOW POINT OF THE AREA TO DRAIN

TOP VIEW: 8" PERFORATED PIPE, FLOCCULANT SOCK, 55 GALLON BARREL

DEWATERING DIRECTLY THRU TRASH PUMP: 8" TO 12" DIAMETER PIPE, FLOW FROM TRASH PUMP DISCHARGE HOSE, SECURE FLOCCULANT SOCK TO COUPLER CONNECT ON HOSE, MUST DISCHARGE WATER TO A SEDIMENT BASIN OR SEDIMENT TRAP. DO NOT DISCHARGE DIRECTLY TO A WATER BODY, OR A DIRECT CONVEYANCE TO A WATER OF THE STATE.

REFERENCES: MINNESOTA URBAN SMALL SITES BMP MANUAL, PP. 3-121 TO 3-129 MNDOT EROSION CONTROL HANDBOOK

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 3899 NOT TO SCALE

DRW: DCD	DATE: 105	DEWATERING -- TRASH PUMP	STANDARD PLATE NO. SEWR-8006
APP: HRS	DATE: 407		

**EROSION CONTROL BLANKET IS FOR REFERENCE ONLY. DETAIL IS PROVIDED IN THE EVENT THAT SLOPES ARE DISTURBED OUTSIDE THE NWL LIMITS OF THE POND**

**EROSION AND SEDIMENT CONTROL NOTES**

- INSTALL PERIMETER EROSION CONTROLS AS INDICATED IN PLANS PRIOR TO START OF WORK. HAY BALES ARE NOT ALLOWED AS EROSION & SEDIMENT CONTROL DEVICE IN MINNEAPOLIS.
- ESTABLISH ROCK CONSTRUCTION ENTRANCES PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES. 1 1/2" - 3" WASHED AGGREGATE IS RECOMMENDED FOR ROCK ENTRANCES. A GEOTEXTILE FABRIC IS REQUIRED.
- REMOVE ALL SOILS AND SEDIMENTS DEPOSITED ONTO PUBLIC AND/OR PRIVATE PAVEMENT AREAS WITHIN 24 HOURS OF DEPOSITION. REMOVAL OF TRACKING MATERIALS SHALL BE COMPLETED AT THE END OF EACH WORK DAY WHEN TRACKING OCCURS. SWEEPING MAY BE ORDERED AT ANY TIME IF CONDITIONS WARRANT. SWEEPING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION AND IN SUCH A MANNER TO PREVENT DUST BEING BLOWN TO ADJACENT PROPERTIES.
- INSTALL INLET PROTECTION IN ALL DOWNSTREAM CATCH BASINS WHICH RECEIVE RUNOFF FROM THE DISTURBED AREA. CATCH BASIN INSERTS ARE REQUIRED AT ALL LOCATIONS NOT WITHIN THE DISTURBED AREA WHICH RECEIVE RUNOFF (MNDOT TYPE C INLET PROTECTION). NOTE HAY BALES AND SILT FENCE WRAPPED GRATES ARE NOT EFFECTIVE AND ARE NOT APPROVED FOR USE AS INLET PROTECTION DEVICES.
- LOCATE ALL SOIL AND DIRT PILES NO LESS THAN 25 FEET FROM ANY PUBLIC OR PRIVATE ROADWAY OR DRAINAGE CHANNEL. ALL STOCK PILES THAT REMAIN IN PLACE FOR 7 DAYS OR MORE SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPING OR OTHER MEANS. TEMPORARY STOCK PILES LOCATED ON PAVED SURFACES MUST BE AT LEAST 2 FEET OR MORE AWAY FROM THE DRAINAGE/GUTTER LINE AND SHALL BE COVERED IF REMAINING MORE THAN 24 HOURS.
- MAINTAIN ALL TEMPORARY EROSION CONTROL DEVICES IN PLACE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. INSPECT TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ON A WEEKLY BASIS AND REPLACE DETERIORATED, DAMAGED OR ROTTED EROSION CONTROL DEVICES IMMEDIATELY.
- MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PERFORMED WHENEVER THE DEVICE IS 30% FULL. FAILURE TO MAINTAIN EROSION CONTROL DEVICES MAY LEAD TO FURTHER ENFORCEMENT ACTION. WEEKLY INSPECTIONS REQUIRED AND AFTER EACH 1/2" OR MORE RAIN EVENT WITHIN 24 HRS.
- READY MIXED CONCRETE AND BATCH PLANT WASHOUTS PROHIBITED WITHIN THE PUBLIC RIGHT OF WAY. DESIGNATE CONCRETE WASHOUT AND MIXING LOCATIONS IN THE EROSION CONTROL PLANS. UNDER NO CIRCUMSTANCES MAY WASHOUT WATER DRAIN ONTO THE PUBLIC RIGHT OF WAY OR INTO THE PUBLIC STORM DRAIN.
- TEMPORARILY OR PERMANENTLY STABILIZE ALL DENUDED AREAS WHICH HAVE BEEN FINISH GRADED WITHIN 7-14 DAYS (SLOPE DEPENDENT). USE SEEDING AND MULCHING, EROSION CONTROL MATTING AND/OR SODDING WITH TEMPORARY STAKING IN GREEN SPACE AREAS. USE EARLY APPLICATION OF GRAVEL BASE FOR AREAS DESIGNATED FOR PAVED SURFACING.
- REMOVE ALL TEMPORARY SYNTHETIC, STRUCTURAL AND NON-BIODEGRADABLE EROSION AND SEDIMENT CONTROL AFTER THE SITE HAS UNDERGONE FINAL STABILIZATION AND PERMANENT VEGETATION HAS BEEN ESTABLISHED. MINIMUM VEGETATION COVER OF 70% REQUIRED. ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED UNTIL THE SITE HAS 70% ESTABLISHED VEGETATIVE COVER AND ALL PAVED AREAS HAVE BEEN STABILIZED WITH THE SELECTED PAVEMENT TYPE.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY OTHER PERMITTING AGENCIES. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER TO VERIFY THAT THE CITY AND ALL OTHER AGENCY REQUIREMENTS ARE MET.

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 2573 NOT TO SCALE

DRW: DCD	DATE: 806	EROSION CONTROL NOTES	STANDARD PLATE NO. SEWR-8007
APP: HRS	DATE: 407		

**INLET PROTECTION TYPE A & C**

INLET PROTECTION TYPE A (SILT FENCE TO PROTECT DRAIN INLET) USE WHERE INLET DRAINS AN AREA WITH SLOPES AT 1:3 OR LESS (TYPE A SPEC. 3861)

INLET PROTECTION, TYPE C (CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX) DIMENSION LENGTH AND WIDTH TO MATCH

3" MAX SPACING, STEEL FENCE POST, 4" - 6" DIAMETER, DROP INLET WITH GRATE, FLOCCULANT SOCK, 55 GALLON BARREL, ROPE ATTACHED TO FLOCCULANT LOG, 1/4" - 1/2" X 1/2" SLOTS CUT INTO LOWER HALF OF BARREL, TRASH PUMP, EXISTING GROUND, FLOCCULANT SOCK, 1" - 2" DIAMETER CLEAN ROCK ROCK IS TO BE PLACED 2 INCHES ABOVE HIGHEST SILT IN BARREL, MUST DISCHARGE WATER TO AN APPROPRIATE LOCATION SUCH AS A SMALL SEDIMENT BASIN. DO NOT DISCHARGE TO AN EXISTING SURFACE WATER.

DEWATERING DEVICE SHOULD BE PLACED AT THE LOW POINT OF THE AREA TO DRAIN

TOP VIEW: 8" PERFORATED PIPE, FLOCCULANT SOCK, 55 GALLON BARREL

DEWATERING DIRECTLY THRU TRASH PUMP: 8" TO 12" DIAMETER PIPE, FLOW FROM TRASH PUMP DISCHARGE HOSE, SECURE FLOCCULANT SOCK TO COUPLER CONNECT ON HOSE, MUST DISCHARGE WATER TO A SEDIMENT BASIN OR SEDIMENT TRAP. DO NOT DISCHARGE DIRECTLY TO A WATER BODY, OR A DIRECT CONVEYANCE TO A WATER OF THE STATE.

REFERENCES: MINNESOTA URBAN SMALL SITES BMP MANUAL, PP. 3-121 TO 3-129 MNDOT EROSION CONTROL HANDBOOK

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 3899 NOT TO SCALE

DRW: DCD	DATE: 105	INLET PROTECTION TYPE A & C	STANDARD PLATE NO. SEWR-8003
APP: HRS	DATE: 407		

PROJECT TITLE:

ISSUE NO.	DATE	DESCRIPTION
1	08/13/2018	80% DRAFT DESIGN
2	09/14/2018	95% DRAFT DESIGN
3	09/27/2018	100% DRAFT DESIGN

CERTIFICATION:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 09/27/2018

LICENSE NO.: 43066

PROJECT NO.: 0185-0112

DWN BY: JTP

CHKD BY: MUS

APPD BY: CJM

ISSUE DATE: 09/27/2018

ISSUE NO.: 3

SHEET TITLE: DETAILS

SHEET NO.: C-801

# CIVIL CONSTRUCTION PLANS FOR 2018-2019 POND MAINTENANCE - PAMELA PARK POND 1

## CLIENTS



**MINNEHAHA CREEK  
WATERSHED DISTRICT**

MINNEHAHA CREEK WATERSHED DISTRICT  
15320 MINNETONKA BLVD  
MINNETONKA, MN 553454  
(P) - 952-641-4523  
CONTACT: JANNA JONELY, PROJECT AND LAND MANAGEMENT TECHNICIAN



**CITY OF EDINA**  
4801 W 50TH STREET  
EDINA, MN 55424

## ENGINEER



Responsive partner. Exceptional outcomes.  
**WENCK ASSOCIATES, INC.**  
7500 OLSON MEMORIAL HIGHWAY  
#300  
GOLDEN VALLEY, MN 55427  
(P) - 763-252-6844  
CONTACT: CHRIS J. MEEHAN, P.E.

## CITY OF EDINA HENNEPIN COUNTY, MINNESOTA



Responsive partner.  
Exceptional outcomes.  
7500 OLSON MEMORIAL HWY  
SUITE 300  
GOLDEN VALLEY, MN 55427  
PHONE: 763-252-6800  
FAX: 952-831-1268  
WWW.WENCK.COM

SUB CONSULTANT:

CLIENT:



**MINNEHAHA CREEK  
WATERSHED DISTRICT**

**2018-2019 POND MAINTENANCE  
PAMELA PARK POND 1**

CITY OF EDINA  
HENNEPIN COUNTY, MINNESOTA

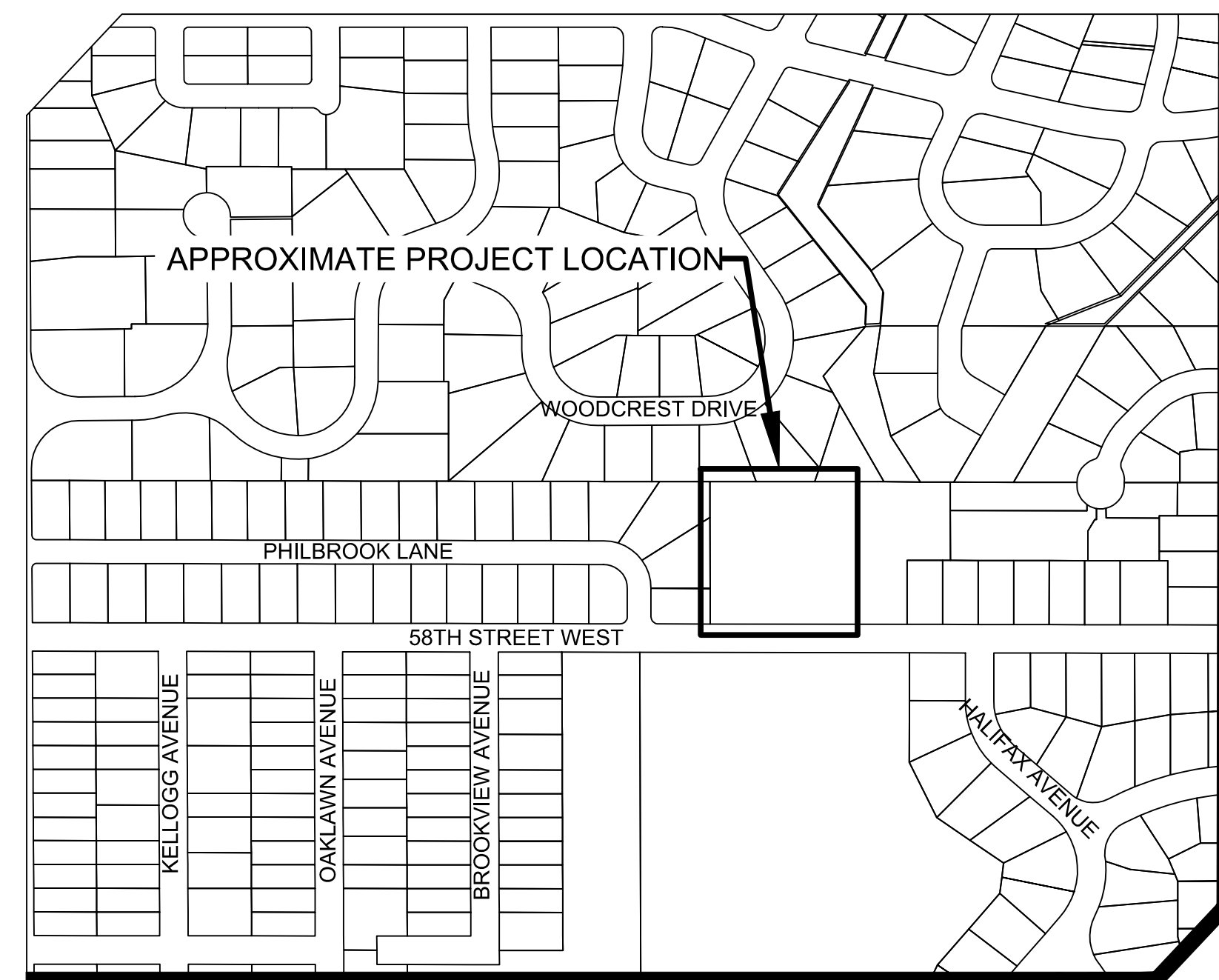


**PROJECT LOCATION MAP**  
NOT TO SCALE

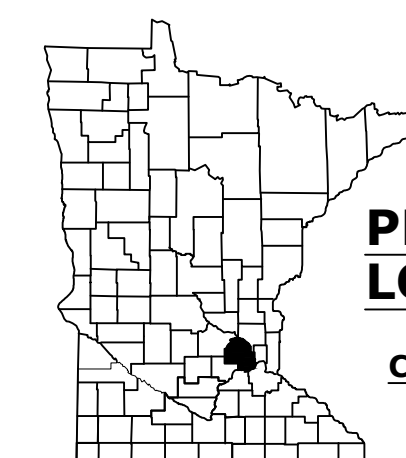


INDEX OF SHEETS	
SHEET NUMBER	SHEET TITLE
G-101	COVER SHEET
G-102	GENERAL NOTES
C-101	DEMOLITION AND EROSION CONTROL PLAN
C-102	SWPPP
C-201	SITE PLAN
C-301	GRADING PLAN
C-801	DETAILS
C-802	DETAILS

THIS PLANSET CONTAINS 8 SHEETS



**PROJECT VICINITY MAP**  
NOT TO SCALE



**PROJECT  
LOCATION**  
CITY: EDINA  
COUNTY: HENNEPIN

**WARNING:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG  
**GOPHER STATE ONE CALL**

TWIN CITY AREA: 651-454-0002  
TOLL FREE 1-800-252-1166

PROJECT TITLE:

ISSUE NO.:

1

2

3

DESCRIPTION:

80% DRAFT DESIGN

90% DRAFT DESIGN

100% DRAFT DESIGN

DATE:

08/1/2018

08/14/2018

09/27/2018

CERTIFICATION:  
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

LICENSE NO.: 43066

DATE: 09/27/2018

PROJECT NO.: 0185-0112

DWN BY: JTP    CHKD BY: MUS    APPD BY: CJM

ISSUE DATE: 09/27/2018

ISSUE NO.: 3

SHEET TITLE: COVER SHEET

SHEET NO.: G-101

PROJECT SCOPE:

- 1. THE CONTRACTOR SHALL COMPLETE ALL EROSION CONTROL, DEMOLITION, CLEARING AND GRUBBING, GRADING, AND RESTORATION TO ACHIEVE PROPOSED IMPROVEMENTS AS INDICATED ON THE DRAWINGS IN CONFORMANCE WITH GOVERNING SPECIFICATIONS AND CODES.

GENERAL NOTES:

- 1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" (LATEST EDITION) & LATEST SUPPLEMENTS, AND APPLICABLE CITY AND COUNTY REGULATIONS. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS, AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT, AND ALL OTHER DELETERIOUS MATERIAL.
- 3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. NO GUARANTEE IS MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
- 4. TOPOGRAPHIC INFORMATION IS TAKEN FROM LIDAR, AVAILABLE GIS DATA AND SUPPLEMENTARY SURVEY BY WENCK. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
- 5. ALL QUANTITIES ARE APPROXIMATE AND MAY VARY TO ALLOW COMPLETION OF WORK.
- 6. EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, FIBER OPTIC, PIPELINES, ELECTRICAL, AND CABLE TV ARE UNKNOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING PRIOR TO STARTING WORK.
- 7. CONTRACTOR SHOULD ANTICIPATE PRIVATE UTILITY CONFLICTS THROUGHOUT THE PROJECT SUB CUT AND TRENCH AREAS AND SHALL COORDINATE WITH PRIVATE UTILITY OWNERS. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.
- 8. THE RELOCATION AND OR PROTECTION OF ALL EXISTING UTILITIES MUST BE COORDINATED BY THE CONTRACTOR AND ANY COSTS FOR SUCH WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR EXTRA TIME AND EFFORT OF PROVISIONS NECESSARY TO WORK AROUND OR UNDER ANY UTILITIES.
- 9. REVIEW ALL TREE REMOVALS WITH ENGINEER AND CITY PRIOR TO BEGINNING CLEARING AND GRUBBING. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR VEGETATION REMOVAL BEYOND WHAT IS NECESSARY TO COMPLETE WORK.
- 10. SALVAGE AND REINSTALL STREET AND TRAFFIC SIGNS, AS DIRECTED BY FIELD ENGINEER (INCIDENTAL).
- 11. INSTALL AND MAINTAIN EROSION CONTROL DEVICES AS SPECIFIED, AS DIRECTED BY ENGINEER, OR PER CITY, STATE, AND NPDES REGULATION.
- 12. CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY, AND CITY PERMITS.
- 13. MAINTAIN MAIL SERVICE TO PROPERTIES.
- 14. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- 15. PROTECT EXISTING PAVEMENT AND SITE FEATURES, EXCEPT AS NOTED.
- 16. CONTRACTOR TO COORDINATE AND MAINTAIN ACCESS TO PROPERTIES THROUGHOUT CONSTRUCTION.
- 17. ANY EXISTING FENCE IN CONFLICT WITH CONSTRUCTION ACTIVITIES SHALL BE SALVAGED AND REINSTALLED. IF FENCE IS DAMAGED DURING CONSTRUCTION, CONTRACTOR REQUIRED TO INSTALL NEW FENCE OF SIMILAR MATERIAL AT NO COST TO THE OWNER, AND TO A CONDITION EQUAL TO OR BETTER THAN THAT OF THE EXISTING FENCE.
- 18. MAINTAIN DRAINAGE CONVEYANCE DURING CONSTRUCTION (BOTH PIPED AND OVERLAND).
- 19. EXISTING PAVEMENT CONDITIONS HAVE BEEN DOCUMENTED. IF PAVEMENT BENEATH PAVEMENT PROTECTION IS DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPLACE THE PAVEMENT DAMAGED AT NO COST TO THE OWNER.
- 20. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL FROM THE OWNER AND NOTIFICATION TO THE ENGINEER.
- 21. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- 22. SAFETY NOTICE TO CONTRACTORS: IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE ENGINEER OR THE OWNER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE OR STAGING AREA.
- 23. CONTRACTOR TO PERFORM STAGING IN PARKING LOT DIRECTLY SOUTH OF SITE, OR AS DIRECTED BY CITY. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL AND STAGING PLAN TO ENGINEER AND CITY. SEE NOTE IN TRAFFIC CONTROL SECTION. THE EXISTING CONDITIONS OF THE PAVEMENT AND INFRASTRUCTURE WITHIN THE PROPOSED STAGING AREA HAVE BEEN DOCUMENTED. ANY DAMAGE TO THE PAVEMENT, CURB, ETC WITHIN THIS AREA SHALL BE REPAIRED OR REPLACED IN EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER AND IS INCIDENTAL TO THE CONTRACT.
- 24. IF REPRODUCED, THE SCALES SHOWN ON THESE PLANS ARE BASED ON A 22"x34" SHEET.

EROSION CONTROL NOTES:

- 1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, SPECIFICATIONS, AND ATTACHMENTS, IN ADDITION TO THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- 2. IF APPLICABLE, ALL CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE SWPPP AND MINNESOTA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND BE FAMILIAR WITH THEIR CONTENTS.
- 3. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS, OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER, OR AS SITE CONDITIONS DICTATE.
- 4. SEE SHEETS C-101 AND C-102 FOR EROSION CONTROL PLAN AND SWPPP.
- 5. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION. COORDINATE WITH ENGINEER.
- 6. CONCRETE WASH-OUT SHALL COMPLETED OFF-SITE OR CONCRETE READY MIX TRUCKS SHALL BE SELF-CONTAINED. COORDINATE CONCRETE WASHOUT STATION WITH CITY AND ENGINEER.
- 7. ALL EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCEMENT OF WORK, MAINTAINED IN ACCORDANCE WITH THE SWPPP, NPDES, AND SPECIFICATIONS THROUGHOUT DURATION OF PROJECT, AND REMOVED UPON ESTABLISHMENT OF FINAL STABILIZATION AS DIRECTED BY ENGINEER. EROSION CONTROL MEASURES USED FOR CONSTRUCTION SHALL NOT BE REMOVED UNTIL AUTHORIZED BY OWNER OR ENGINEER.
- 8. REMOVE TRACKED SEDIMENT FROM ALL PAVED SURFACES BOTH ON AND OFFSITE ON A DAILY BASIS (INCIDENTAL).
- 9. MINIMIZE DUST FROM CONSTRUCTION OPERATIONS BY PROVIDING WATER OR OTHER APPROVED METHOD ON A DAILY BASIS (INCIDENTAL).
- 10. FINAL STABILIZATION TO BE COMPLETED WITHIN ONE WEEK (7 DAYS) OF SITE GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOD, OR ROCK BASE, AS DETAILED ON THE CONSTRUCTION DOCUMENTS.
- 11. TEMPORARY SEEDING OR OTHER APPROVED METHODS OF STABILIZATION SHALL BE INITIATED WITHIN 7 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE.
- 12. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ON A PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR OTHER BMP. ALL FINES IMPOSED FOR DISCHARGING SEDIMENT ONTO PUBLIC AREAS SHALL BE PAID BY THE CONTRACTOR.
- 13. CONTRACTOR SHALL DENOTE ON THE PLAN THE TEMPORARY PARKING, STORAGE AREAS, EQUIPMENT MAINTENANCE, AND CLEANING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES SUCH AS TOILETS OR OFFICE TRAILER.
- 14. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

REMOVAL NOTES:

- 1. FEATURES NOT SPECIFICALLY IDENTIFIED ON PLAN FOR SALVAGE OR REMOVAL THAT CONFLICT WITH CONSTRUCTION ARE TO BE REVIEWED WITH ENGINEER, CITY, AND WATERSHED.
- 2. CONTAMINATED REMOVALS SHALL BE PROPERLY DISPOSED OF, IN COMPLIANCE WITH ALL APPLICABLE CITY AND STATE REGULATIONS.
- 3. CONSTRUCTION IS ANTICIPATED TO OCCUR DURING COLD WEATHER. IN THE EVENT THAT SNOW REMOVAL IS REQUIRED FOR SITE ACCESS AND CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL COORDINATE WITH CITY FOR SNOW STORAGE AREAS. SNOW REMOVAL AND STORAGE IS INCIDENTAL TO THE CONTRACT.

DEWATERING NOTES:

- 1. A BID ITEM HAS BEEN PROVIDED FOR DEWATERING PAMELA POND CELL 1. DEWATERING FOR ALL OTHER WORK, INCLUDING BUT NOT LIMITED TO DEWATERING METHODS FOR MAINTAINING DRAINAGE FROM UPSTREAM WATER BODIES, SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE BID ITEM.
- 2. ENERGY DISSIPATION SHALL BE PROVIDED AT ALL DISCHARGE POINTS TO PREVENT SCOUR.
- 3. PROVIDE SILT BAGS FOR DEWATERING.
- 4. CONTRACTOR RESPONSIBLE TO SUBMIT DEWATERING PLAN TO ENGINEER, CITY, AND WATERSHED FOR REVIEW. DEWATERING SHALL MEET ALL PERMIT REQUIREMENTS AND BE APPROVED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES.
- 5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMISSION/PERMIT FROM CITY AND OTHER GOVERNING AGENCIES TO DEWATER OUTSIDE OF REGULAR WORKING HOURS.
- 6. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY REGULATED NOISE ORDINANCES AND SHALL APPLY FOR APPROPRIATE PERMITS IF ANTICIPATED NOISE IS ABOVE MAXIMUM THRESHOLD. ALL DEWATERING NOISE OUTSIDE OF REGULAR WORKING HOURS MAY REQUIRE NOISE SUPPRESSION METHODS (I.E. NOISE SHELTERS, DAMPERS, ETC.) THAT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 7. A TEMPORARY EARTHEN DAM HAS BEEN INCLUDED WITHIN THE BID ITEM FOR DEWATERING TO MAINTAIN LOW WATER LEVELS WITHIN THE DREDGING AREA. CONTRACTOR SHALL SUBMIT DESIGN FOR EARTHEN DAM FOR REVIEW AND APPROVAL TO OWNER AND ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO COMMENCING CONSTRUCTION.
- 8. ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES MUST BE DISCHARGED IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACT TO THE WETLAND. ALL DEWATERING MUST COMPLY WITH THE NPDES PERMIT AND APPLICABLE CITY AND STATE REGULATIONS.

REVEGETATION NOTES:

- 1. REVEGETATE ALL DISTURBED AREAS AROUND THE POND EXCEPT BELOW POND WATER LEVEL WITH MN STATE SEED MIX WOODLAND EDGE SOUTH AND WEST SEED MIX 36-211 AND STRAW MULCH TYPE 1 WITH DISC ANCHORING.
- 2. REVEGETATE ALL DISTURBED AREAS ADJACENT TO THE ROAD WITH LOW MAINTENANCE TURF SEED MIX 25-131 AND STRAW MULCH TYPE 1 WITH DISC ANCHORING.

UTILITY NOTES:

- 1. ALL DRAINAGE INLETS AND OUTLETS TO THE POND SHALL BE KEPT CLEAN OF DEBRIS AND SEDIMENT DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REMOVE ANY REMAINING SEDIMENT OR DEBRIS WITH THE POND INLETS/OUTLETS UPON COMPLETION OF DREDGING ACTIVITIES TO THE SATISFACTION OF THE OWNER.

GOVERNING SPECIFICATIONS:

- 1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" (LATEST EDITION) & LATEST SUPPLEMENTS, AND APPLICABLE CITY AND COUNTY REGULATIONS. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
- 2. CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) STANDARD UTILITIES SPECIFICATIONS (LATEST EDITION).
- 3. ALL STRUCTURES SHALL BE BUILT IN COMPLIANCE WITH ACI 318 BUILDING CODE.
- 4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES.

TRAFFIC CONTROL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION STAGING, ON OR OFFSITE, AS NECESSARY TO COMPLETE THE WORK AS SPECIFIED IN THE PROJECT DOCUMENTS. A STAGING PLAN SHALL BE SUBMITTED TO THE ENGINEER AND CITY FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL. ALL TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITION OF THE MNUTCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER AND CITY FOR REVIEW AND APPROVAL PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES. PLANS SHALL COMPLY WITH ALL APPLICABLE PERMIT REQUIREMENTS.
- 3. THE EXISTING PAVEMENT CONDITIONS HAVE BEEN DOCUMENTED, AND ANY DAMAGE TO THE EXISTING PAVEMENT, STRIPING, AND SHOULDERING SHALL BE REPLACED BY THE CONTRACTOR, TO THE OWNERS SATISFACTION, AT NO ADDITIONAL COST TO THE OWNER.

TREE PRESERVATION NOTES:

- 1. PROTECT EXISTING TREES THAT ARE NOT TO BE REMOVED. INSTALL ORANGE MESH FENCING, 4' HIGH, WITH STAKES EVERY 10 FEET, 5' OUTSIDE OF THE DRIP LINE OF ALL PRESERVED TREES, OR AT THE CONSTRUCTION LIMITS AS SHOWN ON THE PLAN. DO NOT PERFORM ACTIONS WITHIN THE PROTECTED AREA THAT MAY HARM THE TREE AND COMPACT THE SOIL, INCLUDING, BUT NOT LIMITED TO EXCAVATION, STORING MATERIALS, PARKING AND TRAFFIC DURING CONSTRUCTION. WHERE CONSTRUCTION REQUIRES DISTURBANCE WITHIN THE PROTECTED AREAS, DISTURB THE ROOT ZONE AS LITTLE AS POSSIBLE. TREE PROTECTION MEASURES SHALL BE CONFIRMED BY OWNER AND ENGINEER PRIOR TO STARTING CONSTRUCTION.
- 2. ALL TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
- 3. WHEN TREE ROOTS ARE ENCOUNTERED THAT MUST BE REMOVED, CUT ROOTS CLEANLY AS FAR FROM THE TREE AS POSSIBLE AND IMMEDIATELY WATER AND BACKFILL OVER THE ROOTS TO PREVENT DRYING.

HORIZONTAL AND VERTICAL CONTROL:

- 1. THE HORIZONTAL CONTROL FOR THIS PLAN IS HENNEPIN COUNTY FEET.
- 2. THE VERTICAL CONTROL FOR THIS PLAN IS NAVD88.

WARNING:

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CALL BEFORE YOU DIG  
GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002  
TOLL FREE 1-800-252-1166



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WWW.WENCK.COM

SUB CONSULTANT:

CLIENT:



MINNEHAHA CREEK  
WATERSHED DISTRICT

2018-2019 POND MAINTENANCE  
PAMELA PARK POND 1  
CITY OF EDINA  
HENNEPIN COUNTY, MINNESOTA

PROJECT TITLE:

ISSUE NO.:

1

2

3

DESCRIPTION:

80% DRAFT DESIGN

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85% DRAFT DESIGN

100% DRAFT DESIGN

DATE:

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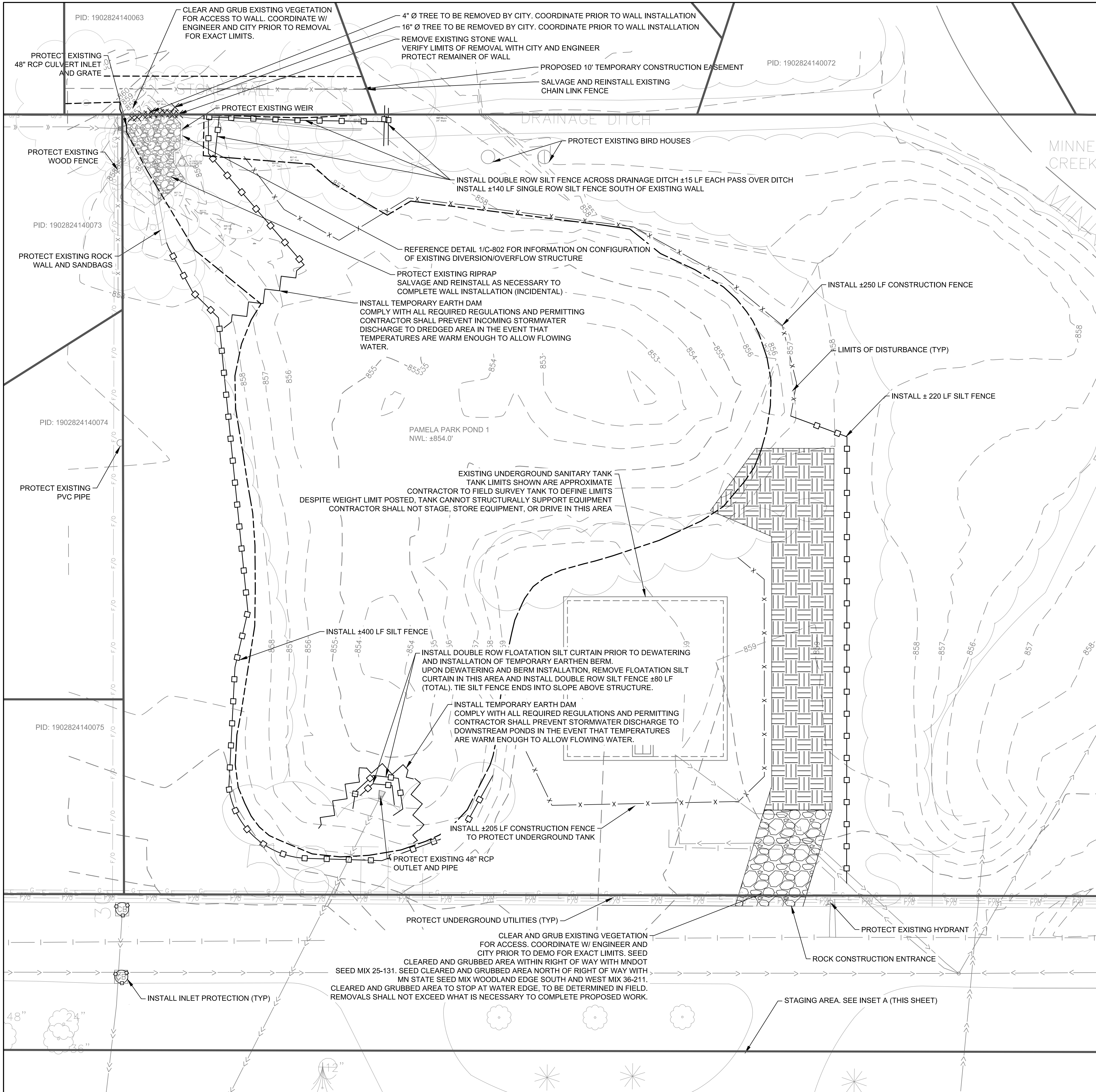
GENERAL NOTES

SHEET NO.:

G-102

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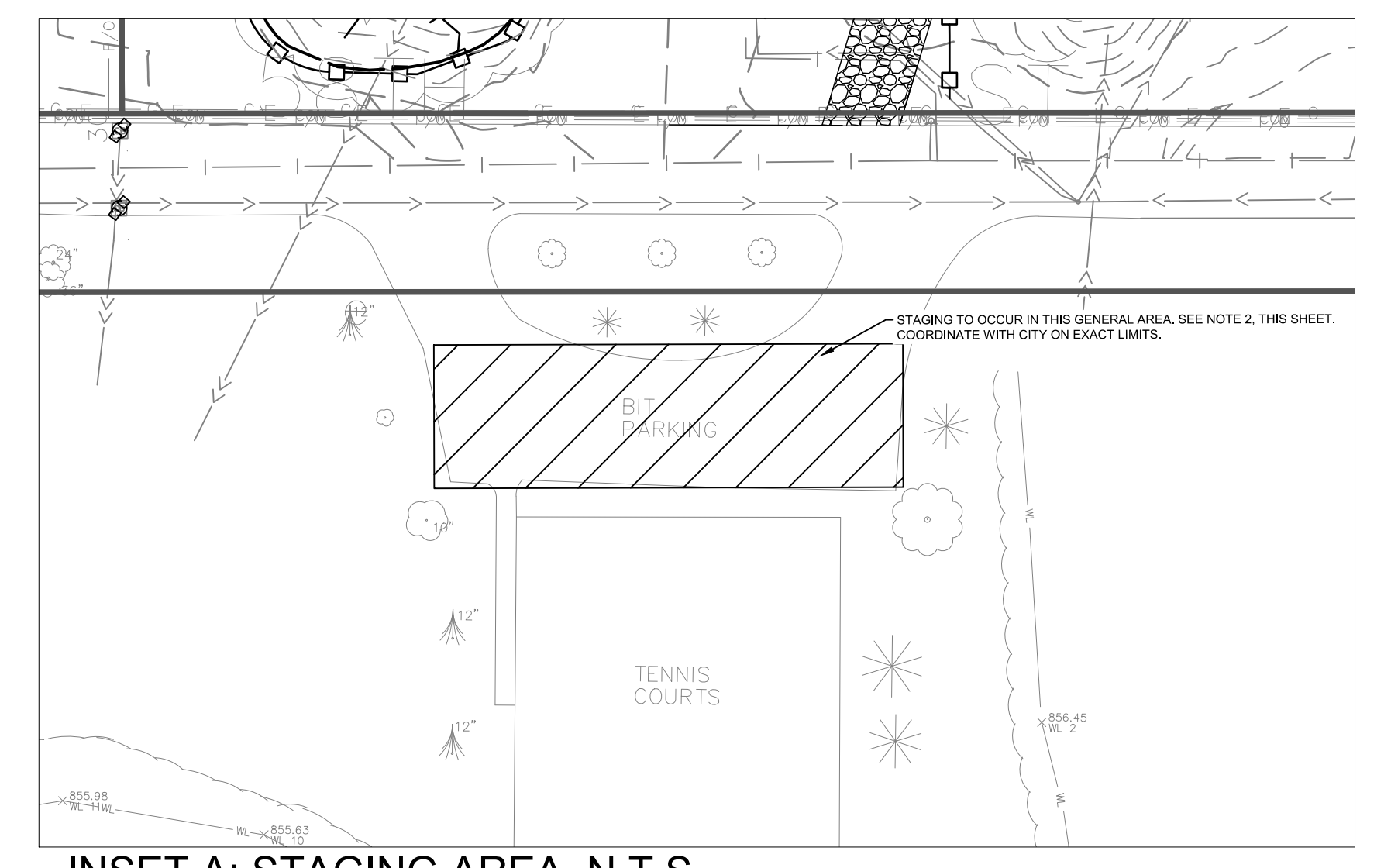
M:\01850112\CL\DESIGN\CAD\PAMELA POND\3 PLANSHEET\SC-101 DEMOLITION PLAN AND EROSION CONTROL PLAN.rvt



### DEMOLITION & EROSION CONTROL LEGEND

	PROPERTY LINE
	LIMITS OF CONSTRUCTION
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING CURB AND GUTTER
	EXISTING EDGE OF PAVEMENT
	EXISTING TREE LINE
	EXISTING CONCRETE
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER UTILITY
	EXISTING FENCE
	EXISTING UNDERGROUND LINE
	EXISTING FIBER OPTIC LINE
	EXISTING GAS LINE
	EXISTING COMMUNICATION LINE
	EXISTING FIRE HYDRANT
	CLEAR AND GRUB LANDSCAPE AREA
	ROCK CONSTRUCTION ENTRANCE
	SILT FENCE
	TEMPORARY EARTH DAM
	FLOATATION SILT CURTAIN
	CONSTRUCTION FENCING
	EXISTING STORM FLARED END STRUCTURE
	INLET PROTECTION

- ### DEMOLITION AND EROSION CONTROL NOTES
- LIMITS OF DISTURBANCE AND SILT FENCE ARE SHOWN OFFSET FROM GRADING LIMITS FOR CLARITY. CONTRACTOR TO INSTALL AND MAINTAIN EROSION PROTECTION ON ALL AREAS RECEIVING STORMWATER RUNOFF FROM THE SITE.
  - STAGING AREA IS TO SOUTH OF SITE IN PARKING LOT FOR TENNIS COURTS. COORDINATE WITH CITY. CONTRACTOR TO MAINTAIN ACCESS TO TENNIS COURTS THROUGHOUT THE DURATION OF THE PROJECT. SEE INSET A.
  - CONTRACTOR TO PROVIDE STORMWATER BYPASS FROM POND INLET TO POND OUTLET AS NECESSARY, AS WEATHER CONDITIONS DICTATE.
  - CONTRACTOR TO PROVIDE EROSION CONTROL BLANKET ON ALL SLOPES ABOVE NWL GREATER THAN 4:1 SLOPE UPON FINAL EXCAVATION FOR POND SIDE SLOPE RESTORATION.
  - ALL STOCKPILING MUST TAKE PLACE WITHIN EXCAVATED POND FOOTPRINT.



**INSET A: STAGING AREA. N.T.S.**

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**WENCK**  
 Responsive partner. Exceptional outcomes.  
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 GOLDEN VALLEY, MN 55427  
 PHONE: 763-252-6800  
 FAX: 952-831-1268  
 WWW.WENCK.COM

SUB CONSULTANT:

**MINNEHAHA CREEK WATERSHED DISTRICT**

CLIENT:

**CITY OF EDINA**  
 HENNEPIN COUNTY, MINNESOTA

PROJECT TITLE:  
**2018-2019 POND MAINTENANCE PAMELA PARK POND 1**

ISSUE NO.	DATE	DESCRIPTION
1	08/31/2018	80% DRAFT DESIGN
2	09/14/2018	95% DRAFT DESIGN
3	09/27/2018	100% DRAFT DESIGN

CERTIFICATION:  
 I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

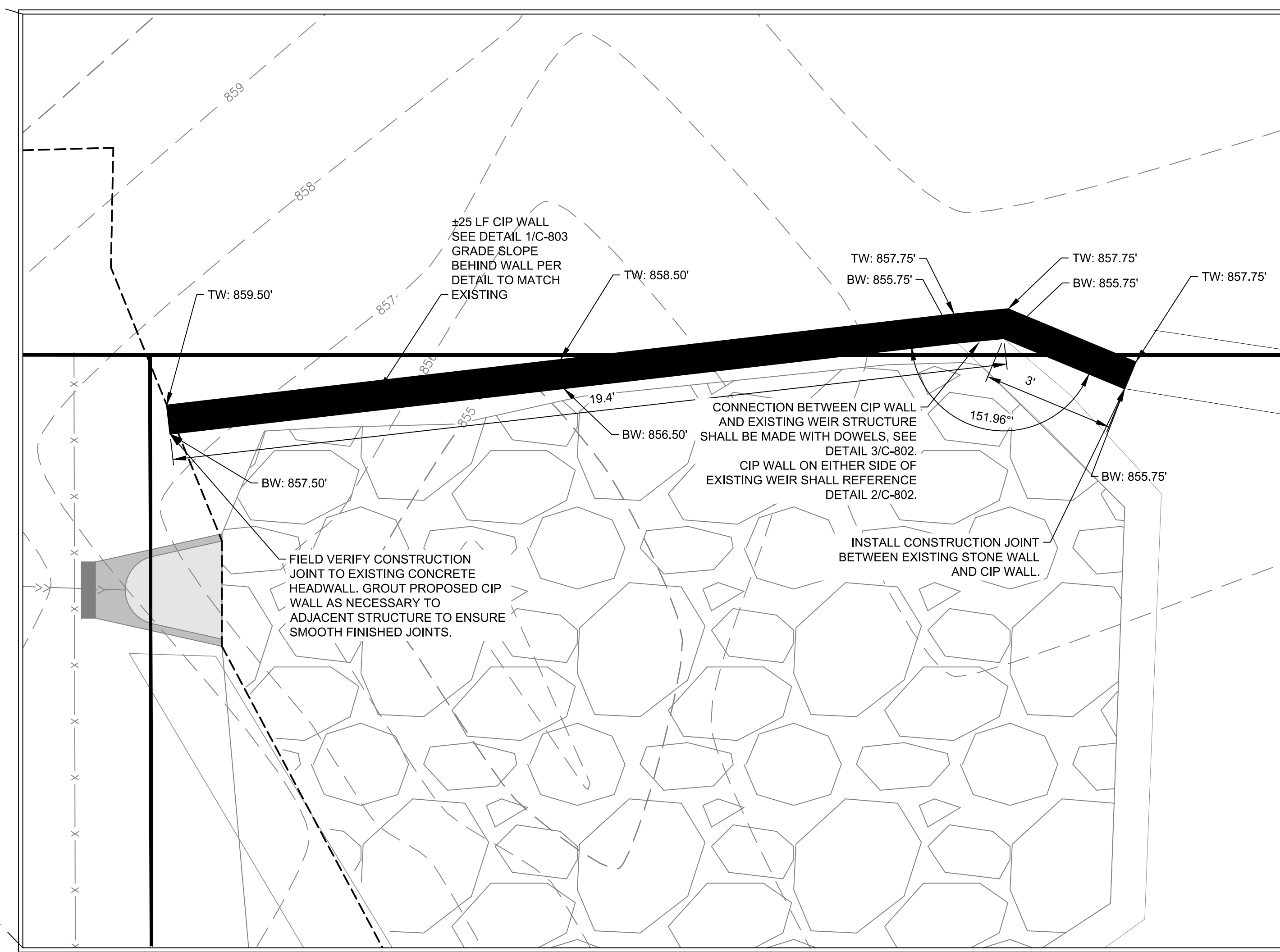
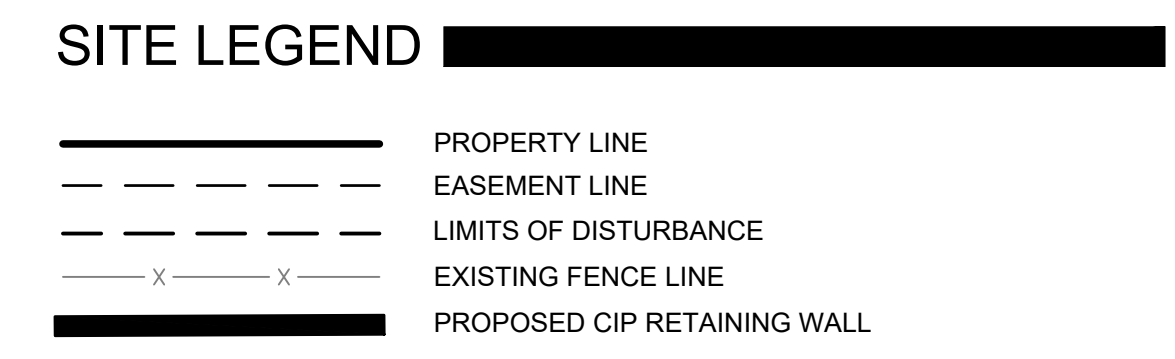
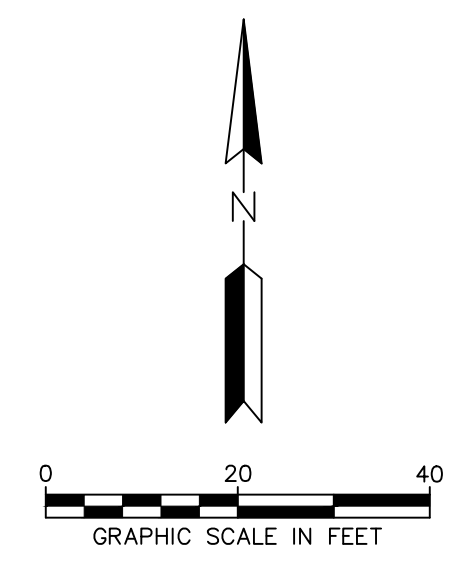
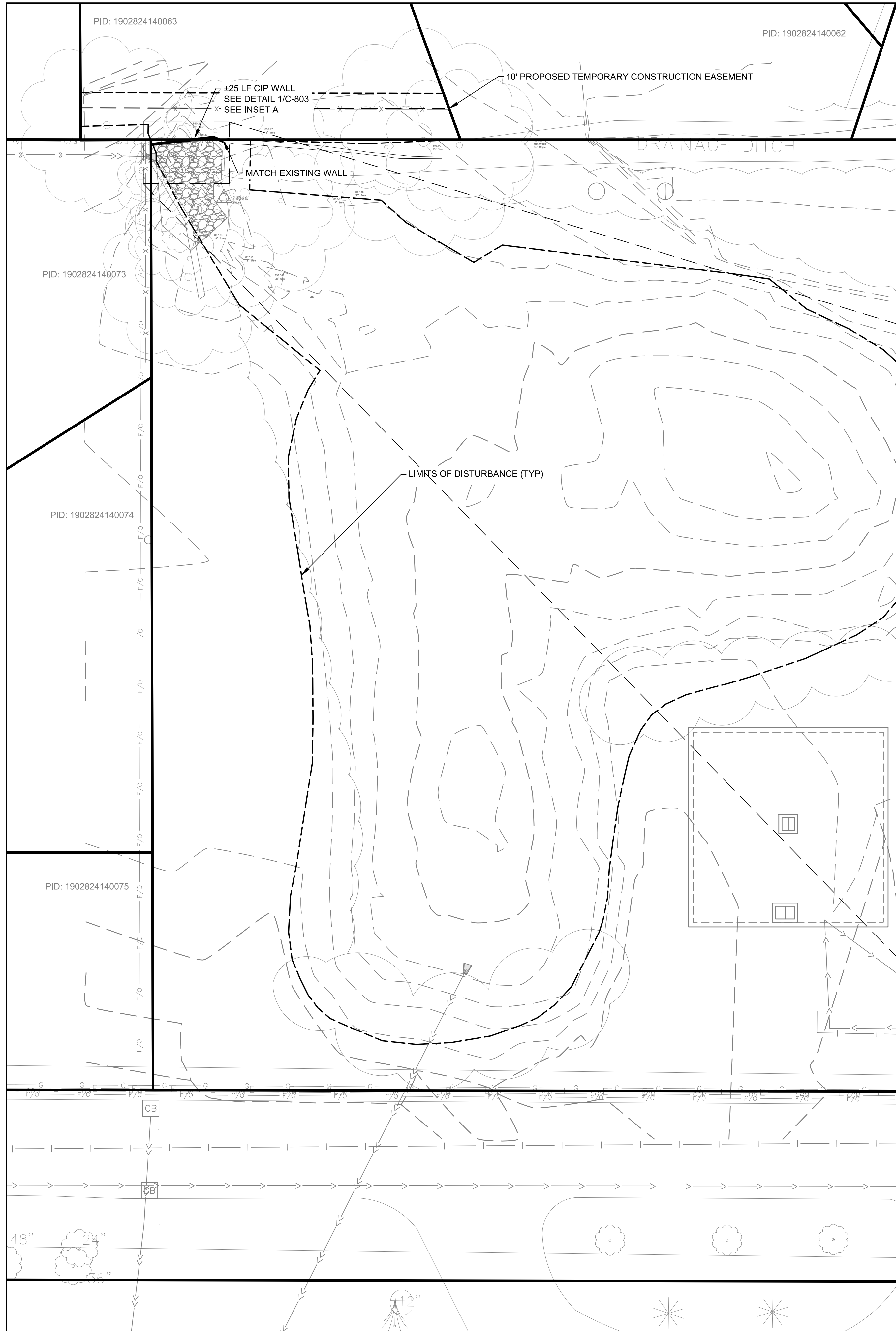
LICENSE NO.: 43066  
 DATE: 09/27/2018

PROJECT NO.: 0185-0112  
 DWN BY: JTP    CHKD BY: MUS    APPD BY: CJM  
 ISSUE DATE: 09/27/2018

ISSUE NO.: 3  
 SHEET TITLE: DEMOLITION AND EROSION CONTROL PLAN  
 SHEET NO.: C-101



9/27/2018 3:27:16 PM



INSET A: SCALE 1" = 2'

**WARNING:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG  
**GOPHER STATE ONE CALL**  
 TWIN CITY AREA: 651-454-0002  
 TOLL FREE 1-800-252-1166

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 PHONE: 763-252-8800  
 FAX: 952-831-1268  
 WWW.WENCK.COM

SUB CONSULTANT:

MINNEHAHA CREEK  
 WATERSHED DISTRICT

PROJECT TITLE:  
**2018-2019 POND MAINTENANCE  
 PAMELA PARK POND 1**  
 CITY OF EDINA  
 HENNEPIN COUNTY, MINNESOTA

DATE	DESCRIPTION	ISSUE NO.
08/1/2018	80% DRAFT DESIGN	1
09/14/2018	95% DRAFT DESIGN	2
09/27/2018	100% DRAFT DESIGN	3

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LICENSE NO.: 43066  
 DATE: 09/27/2018  
 PROJECT NO.: 0185-0112

DWN BY: JTP  
 CHKD BY: MUS  
 APPD BY: CJM  
 ISSUE DATE: 09/27/2018

ISSUE NO.: 3  
 SHEET TITLE:  
 SITE PLAN

SHEET NO.:  
**C-201**

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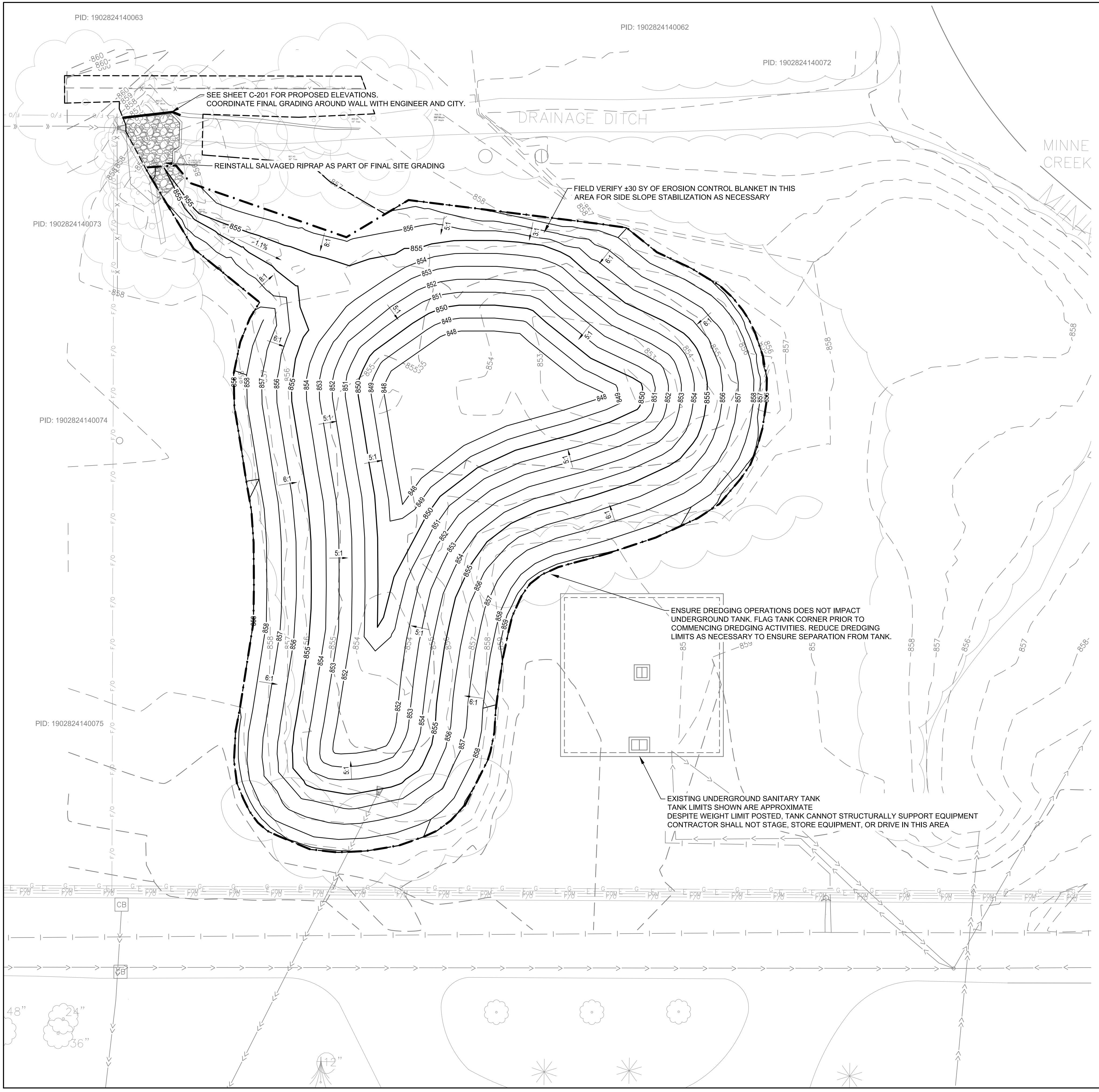
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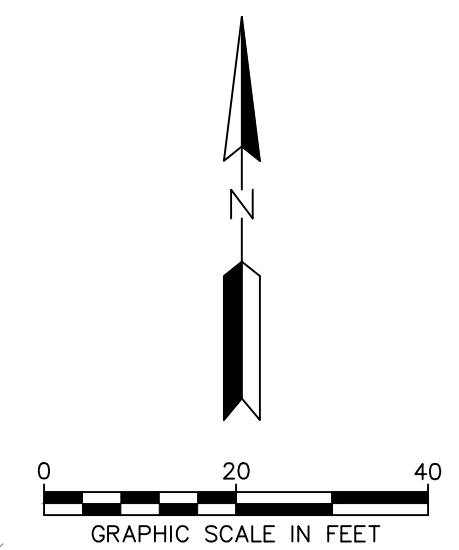
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PID: 1902824140075



GRADING LEGEND

- PROPERTY LINE
- LIMITS OF DREDGING
- CONSTRUCTION LIMITS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TOP OF WALL SPOT ELEVATION
- BOTTOM / TOE OF WALL SPOT ELEVATION
- PROPOSED SLOPE ARROW



NOTE: STOCKPILE DREDGED MUCK WITHIN POND FOOTPRINT DURING DREDGING ACTIVITIES.

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WATERSHED DISTRICT

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LICENSE NO.: 43066

DATE: 09/27/2018

PROJECT NO.: 0185-0112

DWN BY: JTP  
 CHKD BY: MUS  
 APP'D BY: CJM

ISSUE DATE: 09/27/2018

ISSUE NO.: 3

SHEET TITLE: GRADING PLAN

SHEET NO.: C-301

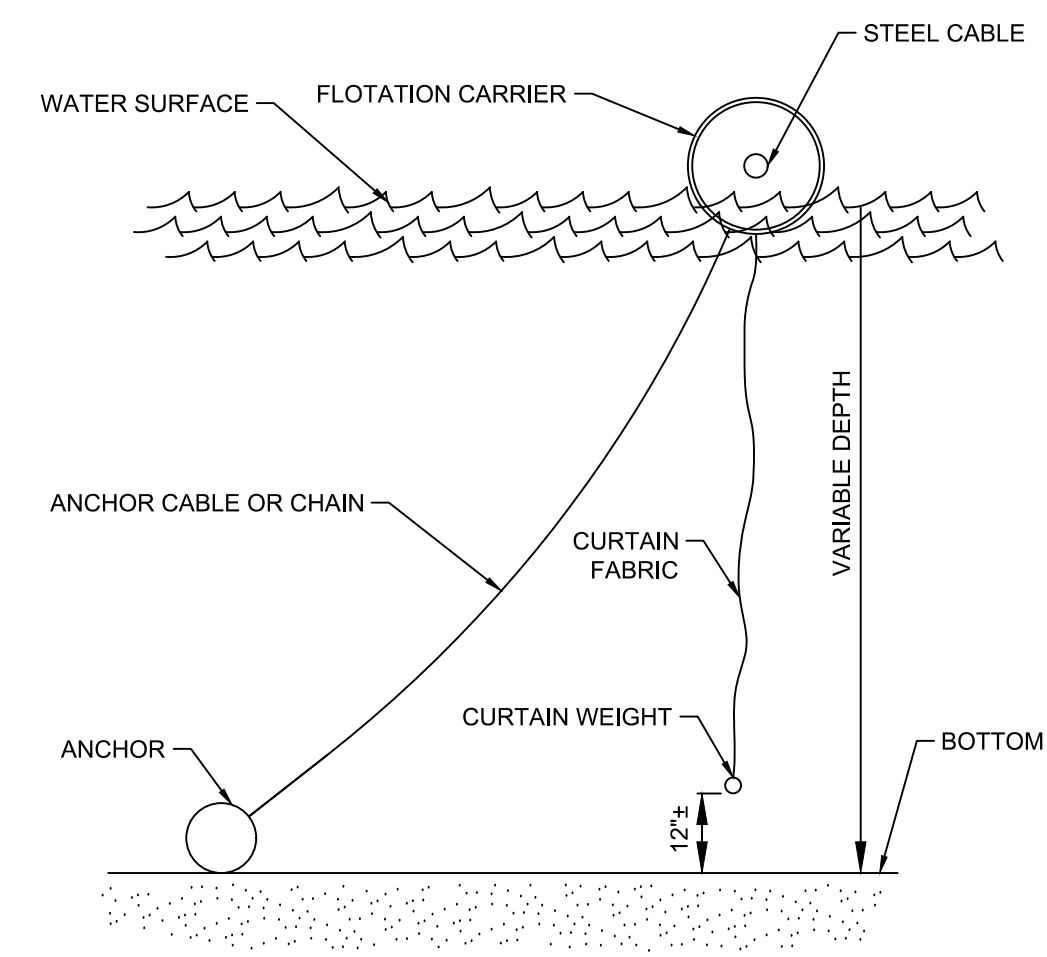
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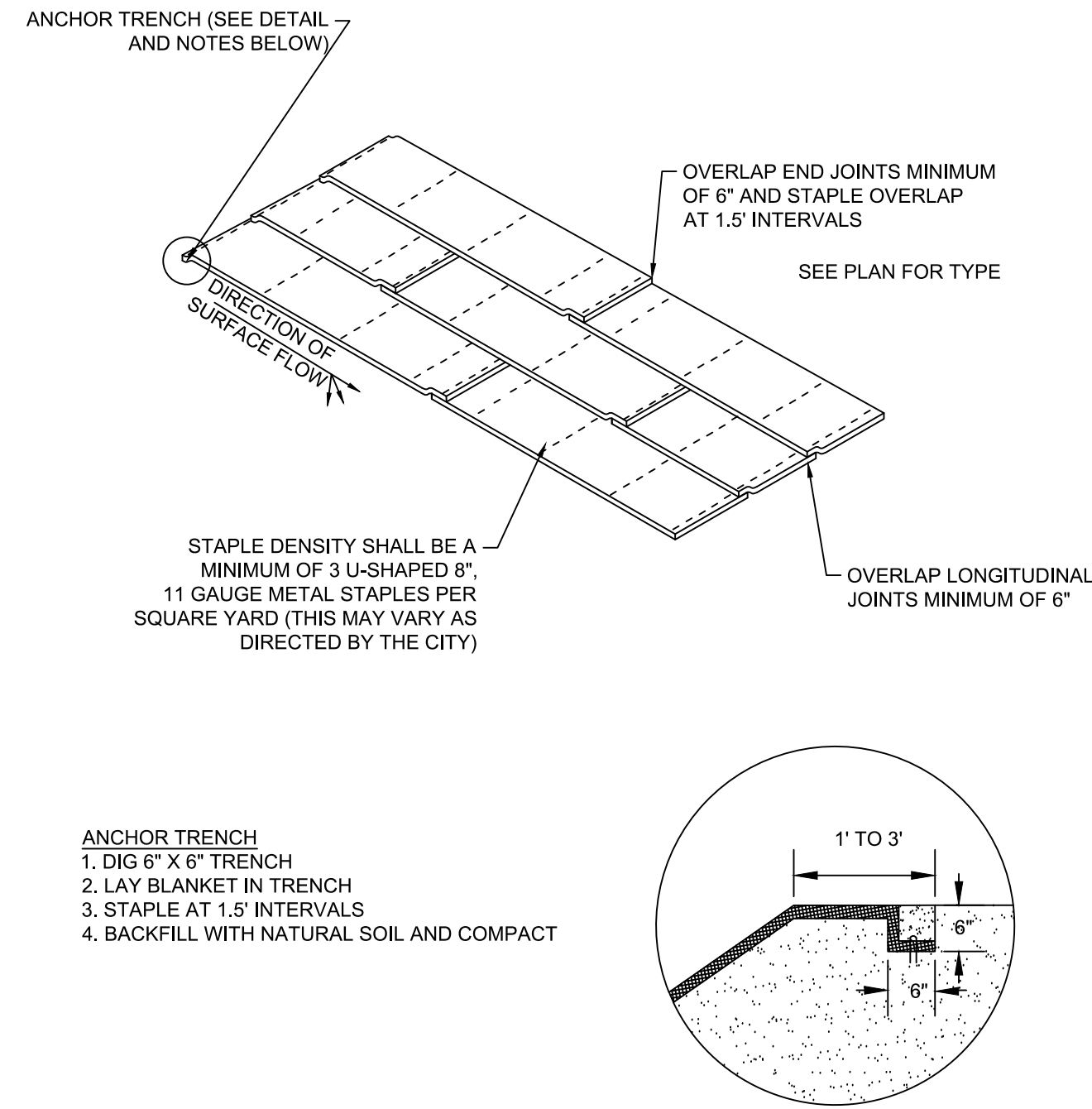
CALL BEFORE YOU DIG  
**GOPHER STATE ONE CALL**  
 TWIN CITY AREA: 651-454-0002  
 TOLL FREE 1-800-252-1166

M:\01850112\CL DESIGN\CAD\PAMELA POND\3 PLANSHEET\3-103 GRADING PLAN.PP.dwg

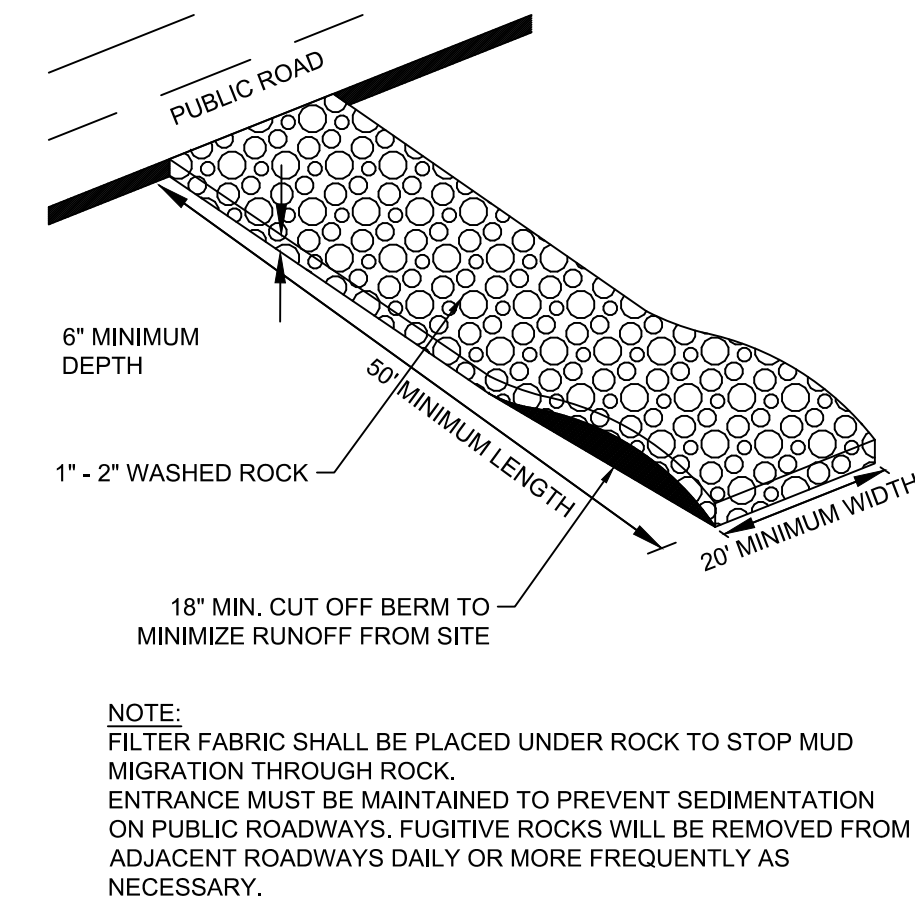




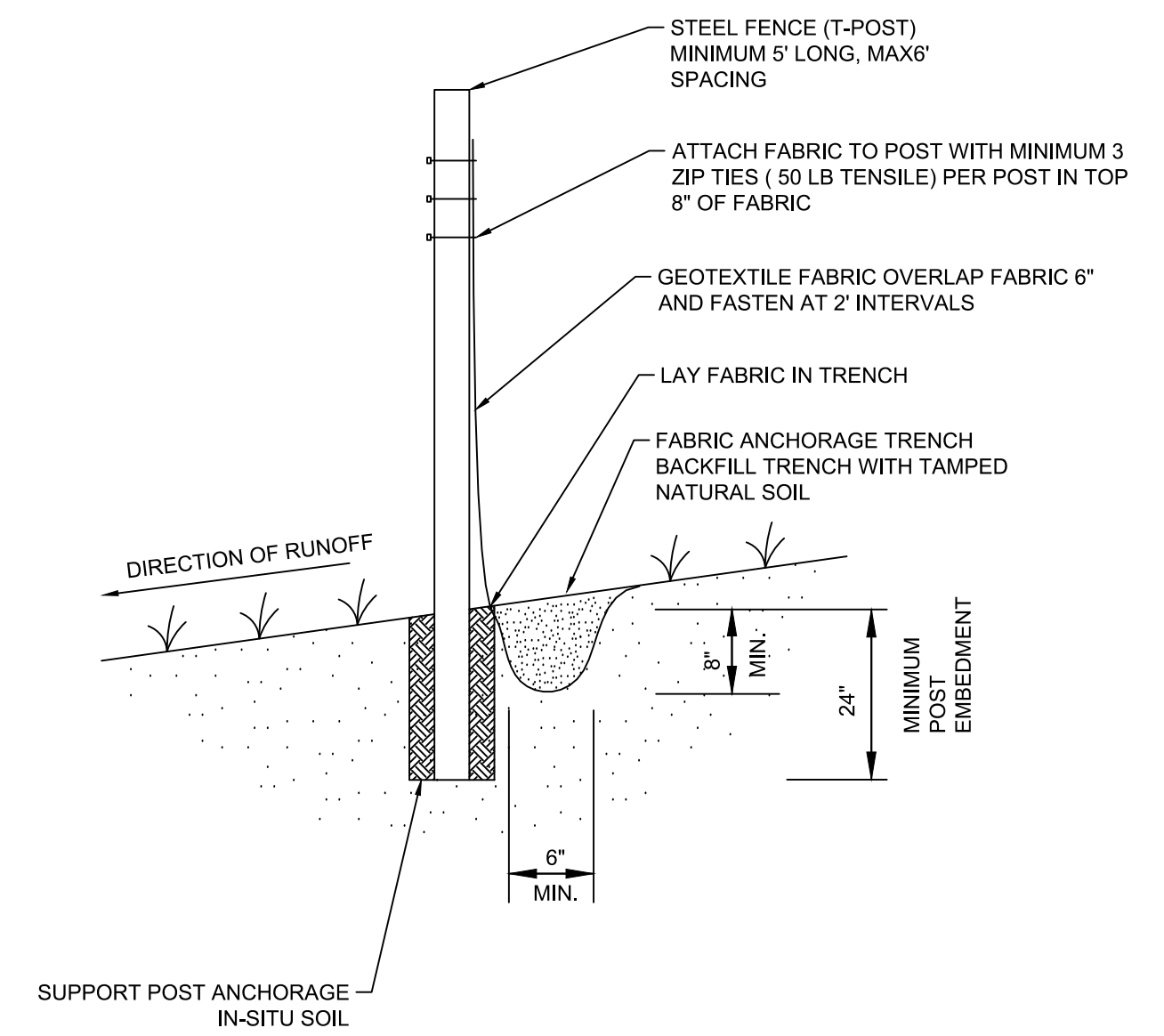
4 FLOATING SILT CURTAIN  
C-801



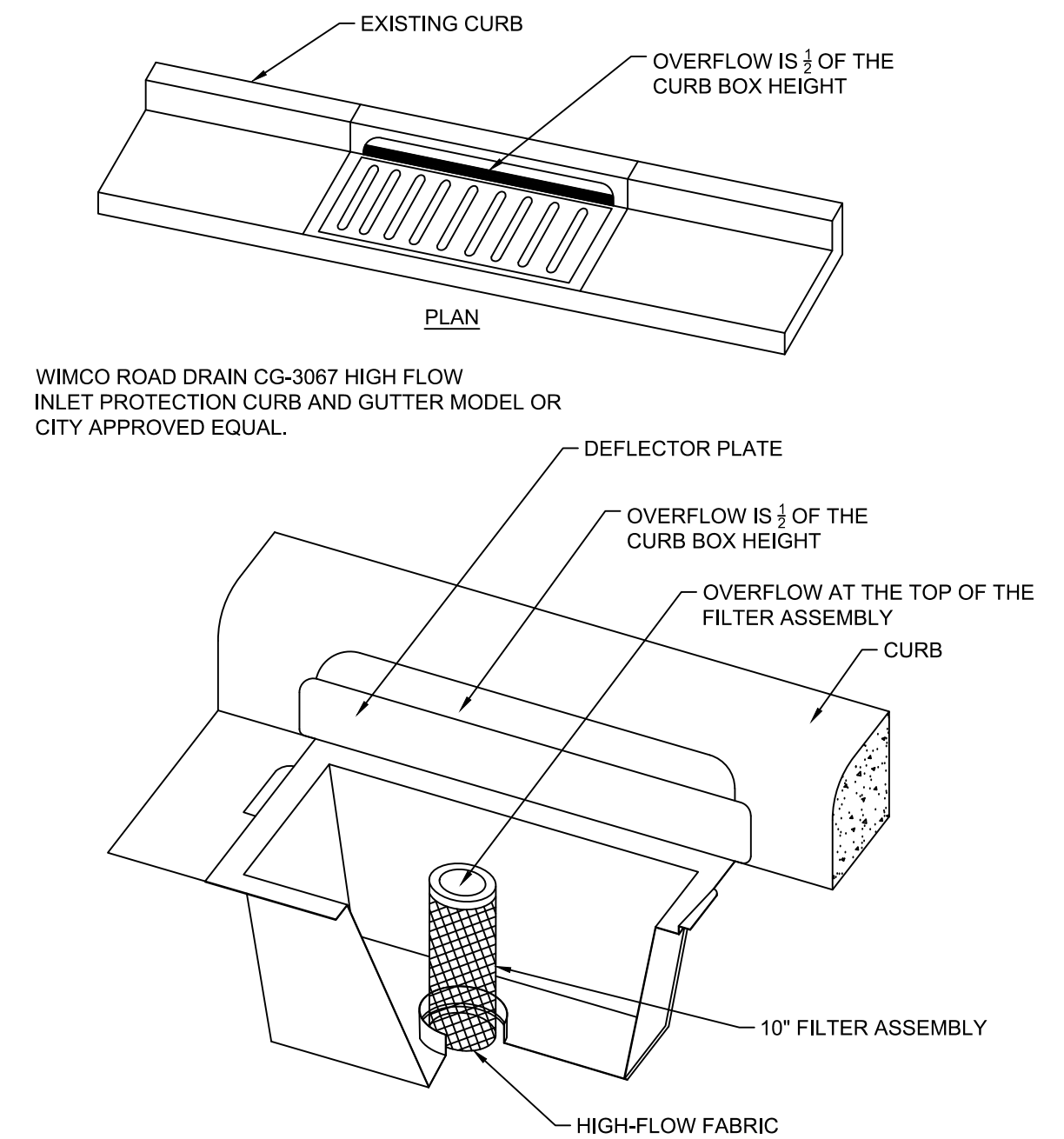
3 EROSION CONTROL BLANKET INSTALLATION  
C-801



2 CONSTRUCTION ENTRANCE DAM  
C-801



1 SILT FENCE MACHINE SLICED  
C-801



5 INLET PROTECTION: CATCH BASIN INSERT  
C-801



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SUB CONSULTANT:

CLIENT:



MINNEHAHA CREEK  
WATERSHED DISTRICT

2018-2019 POND MAINTENANCE  
PAMELA PARK POND 1  
CITY OF EDINA  
HENNEPIN COUNTY, MINNESOTA

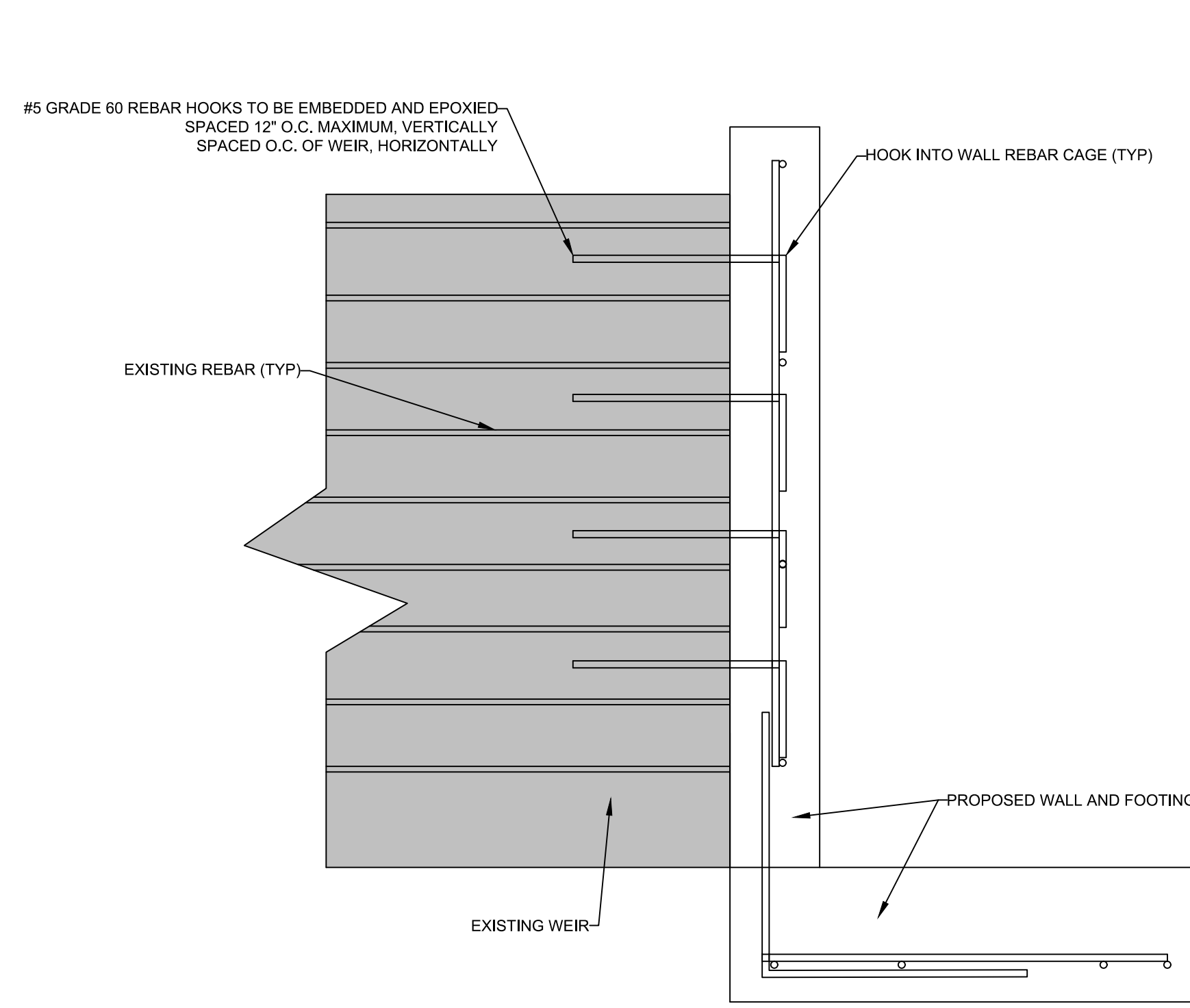
PROJECT TITLE:

ISSUE NO.:

1

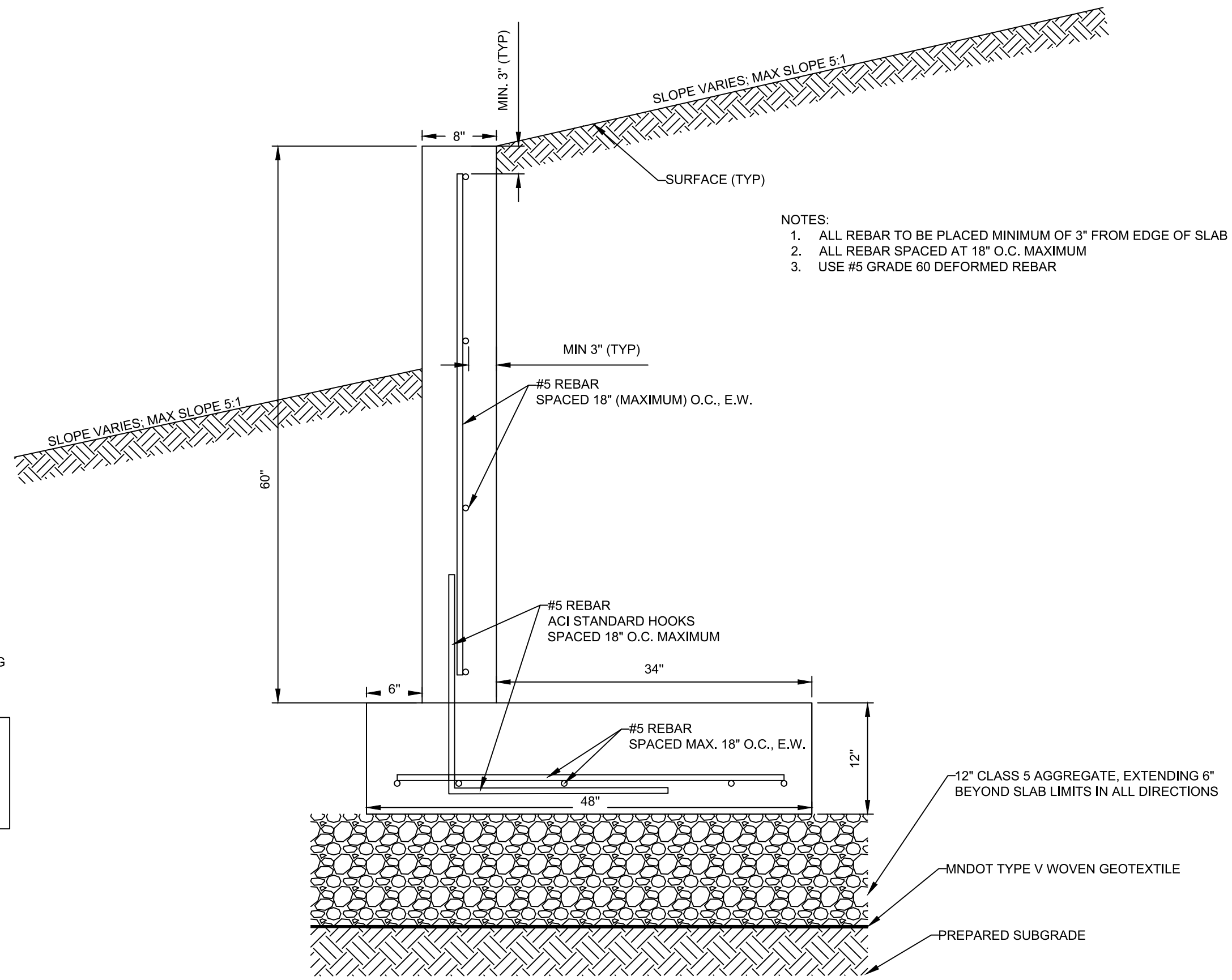
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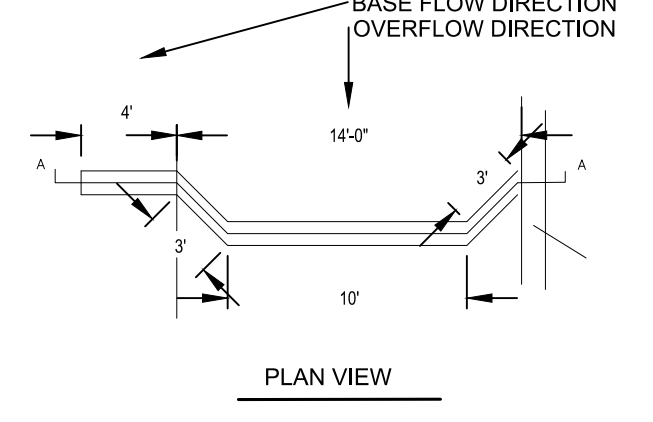
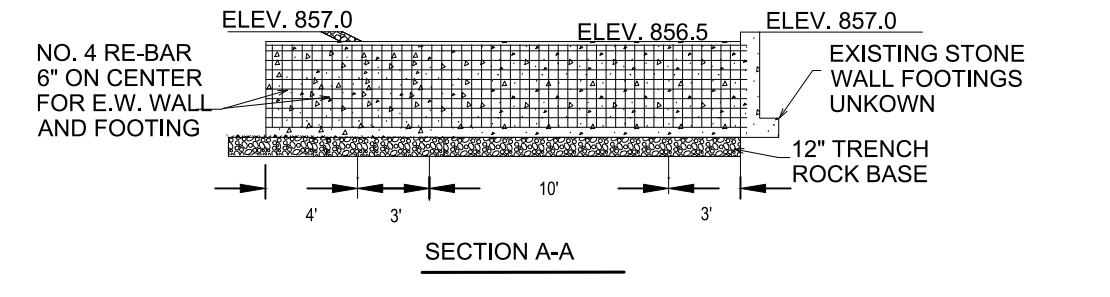
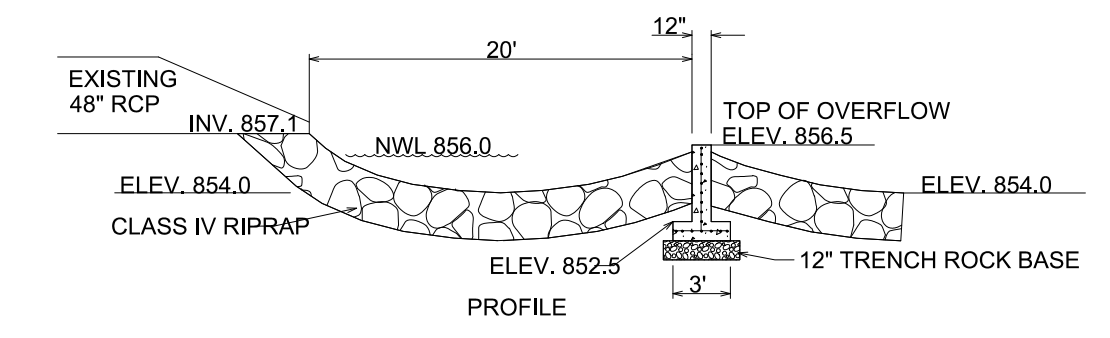
- NOTES:
- IF REBAR IS PROTRUDING FROM WEIR UPON REMOVAL OF STONE WALL ABUTTING WEIR, CUT REBAR FLUSH WITH EDGE OF WEIR.
  - MAINTAIN 3" SPACE FROM EDGE OF CONCRETE FOR ALL NEW REBAR.
  - NEW REBAR TO FOLLOW ASTM A615 AND BE GRADE 60.
  - CONNECTION SHALL NOT CREATE LOW POINT IN WEIR TOP.
  - EXACT EDGES OF WEIR FOOTING ARE UNKNOWN, CARE MUST BE TAKEN TO PRESERVE WEIR THROUGHOUT CONSTRUCTION OF WALL.
  - NOTIFY THE ENGINEER IF THERE ARE ANY DEVIATIONS FROM THE DRAWINGS.
  - CONTRACTOR SHALL VERIFY DIMENSIONS, ELEVATIONS, AND DETAILS OF EXISTING STRUCTURES WHERE THEY AFFECT THE PROPOSED CONSTRUCTION. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
  - OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO CUTTING OPENINGS OR MAKING OTHER MODIFICATIONS TO EXISTING STRUCTURE NOT SHOWN ON THIS PLANSET.

3 WALL TO WEIR CONNECTION DETAIL  
C-802 NOT TO SCALE



- NOTES:
- ALL REBAR TO BE PLACED MINIMUM OF 3" FROM EDGE OF SLAB
  - ALL REBAR SPACED AT 18" O.C. MAXIMUM
  - USE #5 GRADE 60 DEFORMED REBAR

2 WALL DETAIL  
C-802 NOT TO SCALE



1 EXISTING POND 1 DIVERSION/OVERFLOW STRUCTURE  
C-802 NOT TO SCALE; FOR REFERENCE ONLY

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APPD BY: CJM

ISSUE DATE: 09/27/2018  
ISSUE NO.: 3

SHEET TITLE:  
DETAILS

SHEET NO.:  
C-802