

PERMITTING PLANS  
FOR  
COUNTY ROAD 6 STORMWATER POND  
RETROFIT PROJECT

CITY OF ORONO  
HENNEPIN COUNTY, MN

OWNER:  
MINNEHAHA CREEK WATERSHED DISTRICT



15320 MINNETONKA BLVD  
MINNETONKA, MN 553405  
CONTACT: KAILEY CERMAK  
PH: (952) 641-4501

ENGINEER:  
STANTEC CONSULTING SERVICES INC.

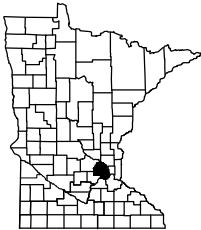


ONE CARLSON PARKWAY, SUITE 100  
PLYMOUTH, MN 55447  
CONTACT: CHRIS MEEHAN, P.E.  
PH: (763) 252-6844



VICINITY MAP

SCALE: 1" = 500'



PROJECT LOCATION

CITY: ORONO  
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

THIS PLANSET CONTAINS 16 SHEETS

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| C-002        | EXISTING CONDITIONS AND REMOVAL PLAN |
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CLIENT:  
MINNEHAHA CREEK  
WATERSHED  
DISTRICT  
15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



COUNTY ROAD 6  
STORMWATER POND RETROFIT  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

PROJECT TITLE:

| DATE:     | DESCRIPTION:          | ISSUE NO.: | ISSUED FOR PERMITTING | ISSUED FOR PERMITTING | ISSUED FOR PERMITTING | ISSUED FOR PERMITTING | ISSUED FOR PERMITTING | ISSUED FOR PERMITTING | ISSUED FOR PERMITTING |
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| 03/1/2025 | ISSUED FOR PERMITTING | 0          |                       |                       |                       |                       |                       |                       |                       |

CERTIFICATION:

NOT FOR CONSTRUCTION

PROJECT NO.: 227707038  
DWN BY: SMD CHKD BY: NPW APP'D BY: CJM  
ISSUE DATE: XX/XX/2024  
ISSUE NO.: 0

SHEET TITLE:  
COVER SHEET

SHEET NO.:  
G-001

## EXISTING TOPOGRAPHIC SYMBOLS

|                                                                                   |                            |                                                                                   |                      |
|-----------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------|----------------------|
|  | STORM SEWER APRON          |  | POLE-COMMUNICATIONS  |
|  | BUSH DECIDUOUS             |  | POLE-GUY             |
|  | CATCH BASIN BEEHIVE        |  | POLE-LIGHT           |
|  | CLEAN OUT (SEWER)          |  | POLE-POWER           |
| ● CLVT                                                                            | CULVERT END                |  | POLE-UTILITY         |
|  | GUY WIRE                   |  | POLE-UTILITY SERVICE |
|  | HYDRANT VALVE              | ●                                                                                 | POST                 |
|  | INLET (SMALL DIA.)         |  | SATELLITE DISH       |
|  | LIFT STATION CONTROL PANEL |  | SEPTIC TANK          |
|  | LIFT STATION DRY WELL      |  | SEPTIC VENT          |
|  | LIFT STATION WET WELL      |  | SEPTIC DRAIN FIELD   |
|  | MAIL BOX                   |  | SIGN                 |
|  | MANHOLE-GAS                |  | SOIL BORING          |
|  | MANHOLE-POWER              |  | STUMP                |
|  | MANHOLE-SANITARY SEWER     |  | TREE DEAD            |
|  | MANHOLE-STORM SEWER        |  | TREE-CONIFEROUS      |
|  | MANHOLE-COMMUNICATIONS     |  | TREE-DECIDUOUS       |
|  | PEDESTAL CATV              |  | TREE-FRUIT           |
|  | PEDESTAL COMMUNICATIONS    |  | WETLAND              |
|  | POST INDICATOR VALVE       |                                                                                   |                      |

## SURVEY SYMBOLS

|                                                                                     |                         |
|-------------------------------------------------------------------------------------|-------------------------|
|  | AIR CONTROL POINT       |
|  | BACKSIGHT CONTROL POINT |
|  | GPS CONTROL POINT       |
|  | JUDICIAL LAND MONUMENT  |
|  | MONUMENT COMPUTED       |
|  | MONUMENT IRON FOUND     |
|  | MONUMENT IRON SET       |
|  | RESECTED POINT          |
|  | ROW MONUMENT            |
|  | ROW MARKER POST         |
|  | SECTION CORNER          |
|  | TRAVERSE CONTROL POINT  |
|  | BENCH MARK LOCATION     |

## PROPOSED TOPOGRAPHIC SYMBOLS

 DRAINTILE CLEANOUT  
 RIP RAP  
 DRAINAGE FLOW

## EXISTING PRIVATE UTILITY LINES

|       |       |       |                                     |
|-------|-------|-------|-------------------------------------|
| CTV-D | CTV-D | CTV-D | CABLE TV QUALITY LEVEL D            |
| CTV-C | CTV-C | CTV-C | CABLE TV QUALITY LEVEL C            |
| CTV-B | CTV-B | CTV-B | CABLE TV QUALITY LEVEL B            |
| CTV-A | CTV-A | CTV-A | CABLE TV QUALITY LEVEL A            |
| FO-D  | FO-D  | FO-D  | FIBER OPTIC QUALITY LEVEL D FIBER   |
| FO-C  | FO-C  | FO-C  | OPTIC QUALITY LEVEL C FIBER OPTIC   |
| FO-B  | FO-B  | FO-B  | QUALITY LEVEL B FIBER OPTIC QUALITY |
| FO-A  | FO-A  | FO-A  | LEVEL A                             |
| E-D   | E-D   | E-D   | POWER QUALITY LEVEL D               |
| E-C   | E-C   | E-C   | POWER QUALITY LEVEL C               |
| E-B   | E-B   | E-B   | POWER QUALITY LEVEL B               |
| E-A   | E-A   | E-A   | POWER QUALITY LEVEL A               |
| G-D   | G-D   | G-D   | GAS QUALITY LEVEL D                 |
| G-C   | G-C   | G-C   | GAS QUALITY LEVEL C                 |
| G-B   | G-B   | G-B   | GAS QUALITY LEVEL B                 |
| G-A   | G-A   | G-A   | GAS QUALITY LEVEL A                 |
| C-D   | C-D   | C-D   | COMMUNICATION QUALITY LEVEL D       |
| C-C   | C-C   | C-C   | COMMUNICATION QUALITY LEVEL C       |
| C-B   | C-B   | C-B   | COMMUNICATION QUALITY LEVEL B       |
| C-A   | C-A   | C-A   | COMMUNICATION QUALITY LEVEL A       |
| OHP   | OHP   | OHP   | OVERHEAD POWER                      |
| OHC   | OHC   | OHC   | OVERHEAD COMMUNICATION              |
| OHU   | OHU   | OHU   | OVERHEAD UTILITIES                  |

## EXISTING TOPOGRAPHIC LINES

Diagram illustrating the layout of a wetland area, showing a cross-section with a guard rail, tree line, and wetland area.

## SURVEY LINES

|                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
|  | BOUNDARY               |
|  | CENTERLINE             |
|  | EXISTING EASEMENT LINE |
|  | PROPOSED EASEMENT LINE |
|  | FLOOD PLAIN BOUNDARY   |
|  | EXISTING LOT LINE      |
|  | PROPOSED LOT LINE      |
|  | EXISTING RIGHT-OF-WAY  |
|  | PROPOSED RIGHT-OF-WAY  |
|  | SETBACK LINE           |
|  | SECTION LINE           |
|  | QUARTER SECTION LINE   |
|  | SIXTEENTH SECTION LINE |

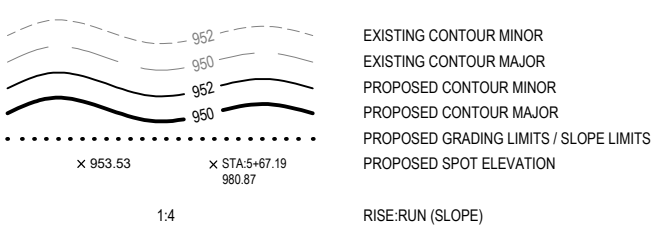
## EXISTING UTILITY LINES

— >> — >> — >> — >> — STORM SEWER

## PROPOSED UTILITY LINES

—>> —>> —>> — STORM SEWER

## GRADING INFORMATION



## ABBREVIATIONS

|         |                                    |
|---------|------------------------------------|
| AD      | ALGEBRAIC DIFFERENCE               |
| BV      | BUTTERFLY VALVE                    |
| BVCE    | BEGIN VERTICAL CURVE ELEVATION     |
| BVCS    | BEGIN VERTICAL CURVE STATION       |
| CL      | CENTER LINE                        |
| CL      | CLASS                              |
| CMP     | CORRUGATED METAL PIPE              |
| C.O.    | CHANGE ORDER                       |
| DIP     | DUCTILE IRON PIPE                  |
| EL/ELEV | ELEVATION                          |
| EVCE    | END VERTICAL CURVE ELEVATION       |
| EVCS    | END VERTICAL CURVE STATION         |
| EX      | EXISTING                           |
| FES     | FLARED END SECTION                 |
| F/F     | FACE TO FACE                       |
| FM      | FORCE MAIN                         |
| F.O.    | FIELD ORDER                        |
| GV      | GATE VALVE                         |
| HP      | HIGH POINT                         |
| HWL     | HIGH WATER LEVEL                   |
| INV     | INVERT                             |
| K       | CURVE COEFFICIENT                  |
| LP      | LOW POINT                          |
| MH      | MANHOLE (SANITARY)                 |
| NTS     | NOT TO SCALE                       |
| NWL     | NORMAL WATER LEVEL                 |
| PC      | POINT OF CURVE                     |
| PCC     | COMPOUND CURVE                     |
| PI      | POINT OF INTERSECTION              |
| PL      | PROPERTY LINE                      |
| PPVC    | PERFORATED POLYVINYL CHLORIDE PIPE |
| PRC     | POINT OF REVERSE CURVE             |
| PT      | POINT OF TANGENT                   |
| PVC     | POLYVINYL CHLORIDE PIPE            |
| PVI     | POINT OF VERTICAL INTERSECTION     |
| R       | RADIUS                             |
| RCP     | REINFORCED CONCRETE PIPE           |
| R/W     | RIGHT-OF-WAY                       |
| SS      | STORM SEWER STRUCTURE              |
| STA     | STATION                            |
| TCE     | TEMPORARY CONSTRUCTION EASEMENT    |
| TNH     | TOP NUT HYDRANT                    |
| TYP     | TYPICAL                            |
| VC      | VERTICAL CURVE                     |
| WM      | WATER MAIN                         |

## HATCH PATTERNS

SAND



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CLIENT:

MINNEHAHA CREEK  
WATERSHED  
DISTRICT

15320 MINNETONKA BLVD  
MINNETONKA , MN 55345



COUNTY ROAD 6  
STORMWATER POND RETROFIT

COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

PROJECT TITLE:

| DATE:    | DESCRIPTION:          | ISSUE NO.: |
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| 03/27/25 | ISSUED FOR PERMITTING | 0          |
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## CERTIFICATION

NOT FOR CONSTRUCTION

PROJECT NO.: 227707038

|                |                  |                  |
|----------------|------------------|------------------|
| DWN BY:<br>SMD | CHK'D BY:<br>NPW | APP'D BY:<br>CJM |
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ISSUE NO.: 0

SHEET TITLE:

## LEGENDS

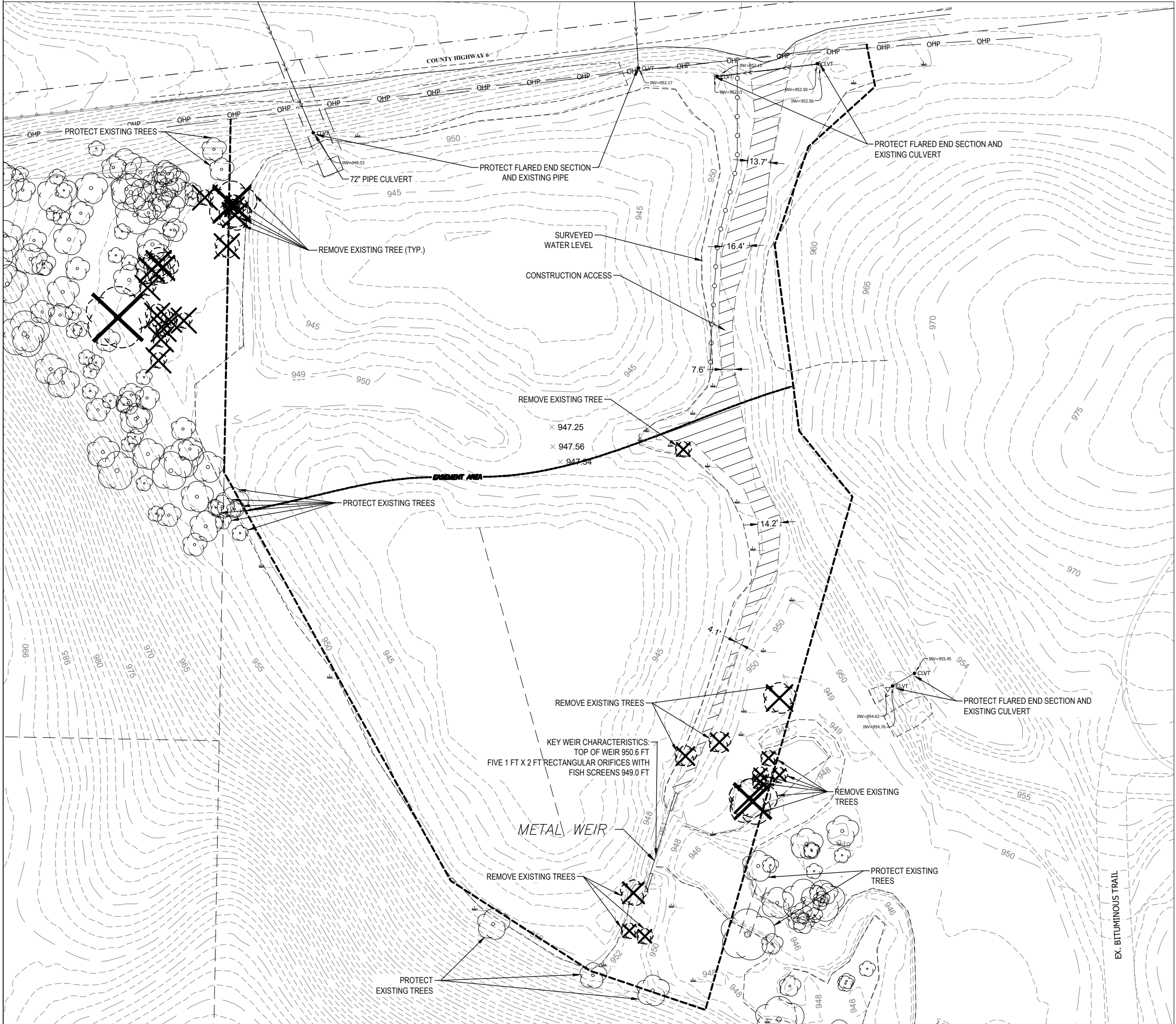
SHEET NO.:

G-002



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LEGEND

- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED GRADING LIMITS
- PROPOSED SPOT ELEVATION
- RISE:RUN (SLOPE)
- COUNTY ROAD 6 ACCESS
- PROPOSED PEA ROCK
- PROPOSED 4" PVC



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CERTIFICATION:

*NOT FOR CONSTRUCTION*

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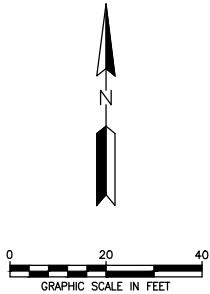
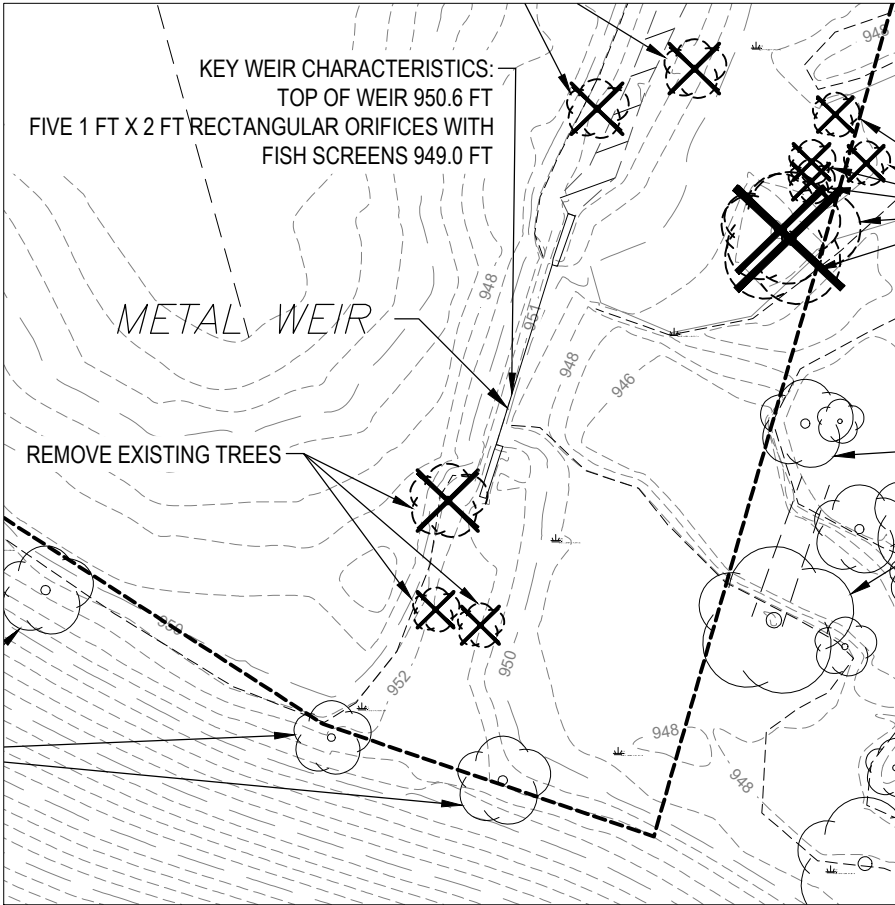
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| DWN BY: SMD | CHKD BY: NPW | APP'D BY: CJM |
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ISSUE DATE: XX/XX/2024

ISSUE NO.: 0

SHEET TITLE:  
EXISTING CONDITIONS AND  
REMOVAL PLAN

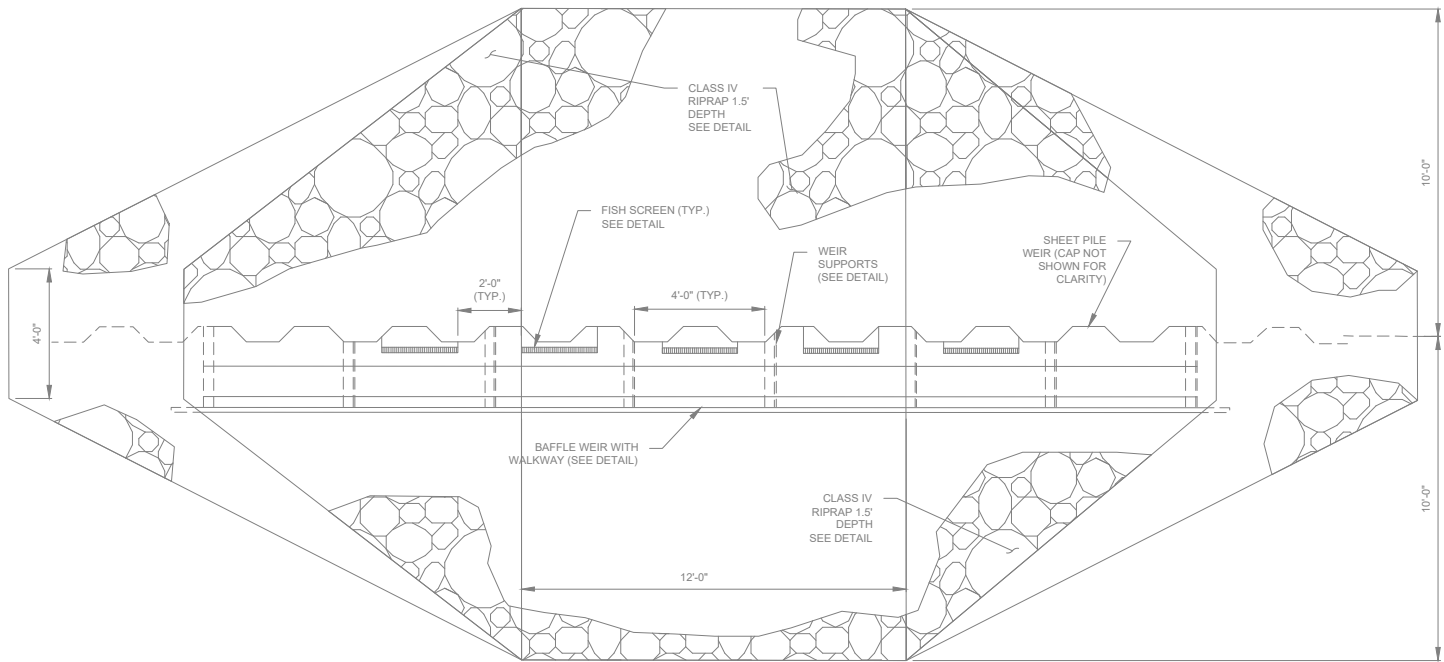
SHEET NO.:  
C-001



EXISTING WEIR DETAIL  
NOT TO SCALE

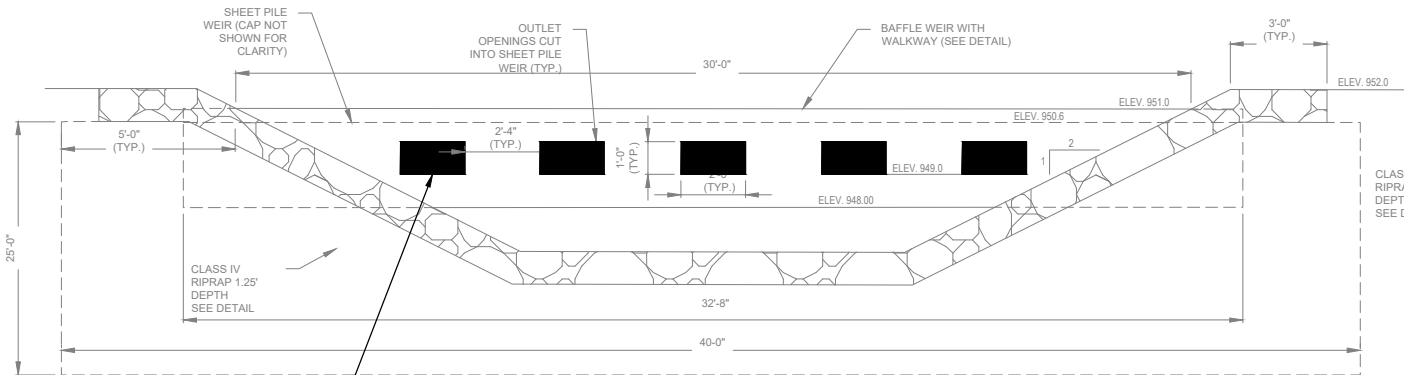
NOTES

1. SEE SHEET G-002 FOR ADDITIONAL PROJECT NOTES
2. CONTRACTOR TO PROVIDE STORMWATER BYPASS FROM POND INLET TO POND OUTLET AS NECESSARY, AS WEATHER CONDITIONS DICTATE.
3. CONTRACTOR TO PROVIDE EROSION CONTROL BLANKET ON ALL SLOPES ABOVE NWL GREATER THAN 4:1 SLOPE UPON FINAL EXCAVATION FOR POND SIDE SLOPE RESTORATION.
4. ALL STOCKPILING MUST TAKE PLACE WITHIN EXCAVATED POND FOOTPRINT.

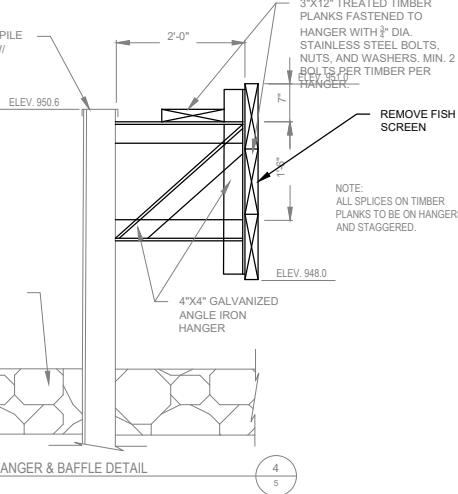
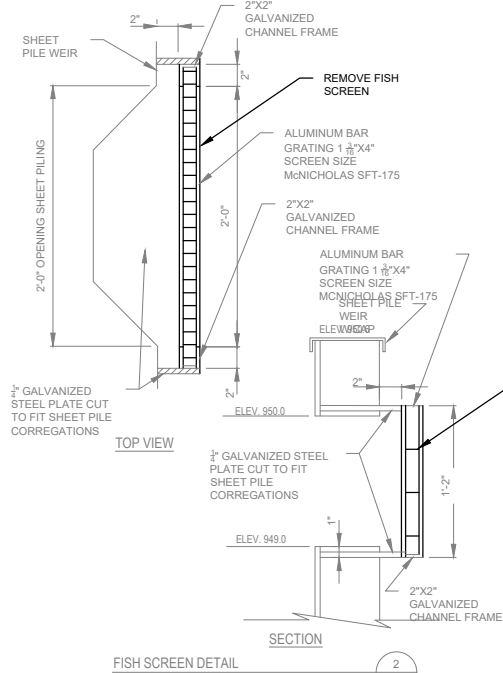


SHEET PILE WEIR - PLAN VIEW

NOTE:  
SHEET PILING SHALL BE GALVANIZED  
PZZZ GRADE A328.  
PILE CAP SHALL BE GALVANIZED C12X20.7 A38.  
PROVIDE 3" EXPANSION JOINT EVERY 10'-0"  
MAXIMUM.  
CONTRACTOR TO PLACE CONTINUOUS WELD BEAD  
BETWEEN CAP AND SHEET PILE.



SHEET PILE WEIR - FRONT VIEW



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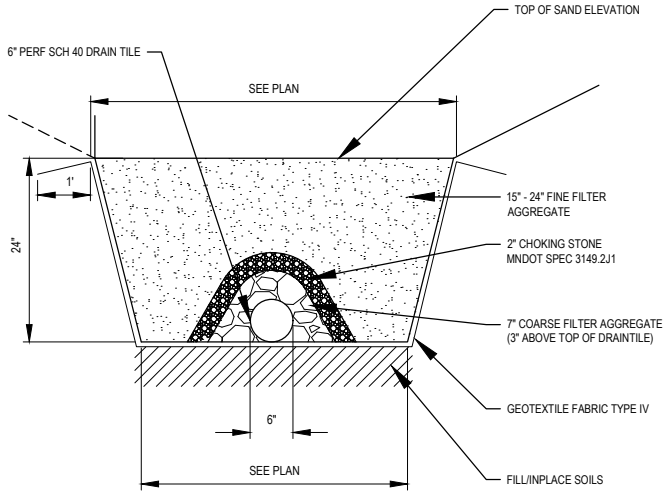
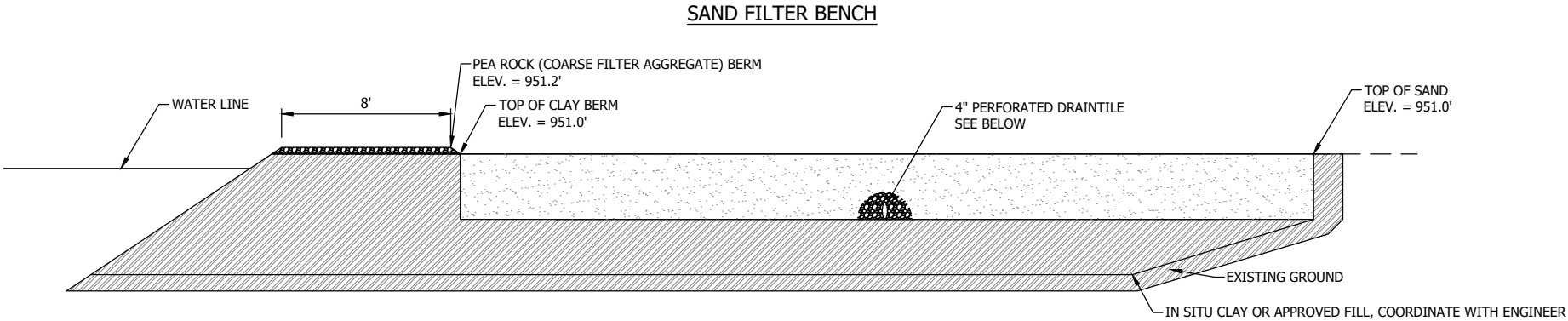
CLIENT:  
**MINNEHAHA CREEK  
WATERSHED  
DISTRICT**  
15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



**COUNTY ROAD 6  
STORMWATER POND RETROFIT**  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

| PROJECT TITLE: | COUNTY ROAD 6 STORMWATER POND RETROFIT |
|----------------|----------------------------------------|
| ISSUE NO.:     | 0                                      |
| DATE:          | 03/21/2025                             |
| DESCRIPTION:   | ISSUED FOR PERMITTING                  |

| CERTIFICATION: | NOT FOR CONSTRUCTION                 |
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| PROJECT NO.:   | 227707038                            |
| DWN BY:        | SMD                                  |
| CHKD BY:       | NPW                                  |
| APP'D BY:      | CJM                                  |
| ISSUE DATE:    | XX/XX/2024                           |
| ISSUE NO.:     | 0                                    |
| SHEET TITLE:   | EXISTING CONDITIONS AND REMOVAL PLAN |
| SHEET NO.:     | C-002                                |



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CERTIFICATION:

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PROJECT NO.: 227707038

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| DWN BY:<br>SMD | CHKD BY:<br>NPW | APP'D BY:<br>CJM |
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ISSUE DATE: XX/XX/2024

ISSUE NO.: 0

SHEET TITLE:

TYPICAL SECTIONS PLAN

SHEET NO.:

C-101

[illegible]

**Legend**

- Project Location
- Soil Unit and Hydric Rating

Data Sources: Soil Survey Geographic Database (SSURGO)  
Background: ESRI World Imagery

Stantec

100 50 0 100 Feet

N

Project Location

CSAH 6

6

Lester Swamp, 10 to 16 percent slopes, moderately eroded  
0% Hydric

Hamel, overwash Hamel Complex, 0 to 3 percent slopes  
45% Hydric

Lester Swamp, 10 to 22 percent slopes  
0% Hydric

Lester Swamp, 10 to 33 percent slopes  
5% Hydric

Lester Swamp, 10 to 16 percent slopes, moderately eroded  
0% Hydric

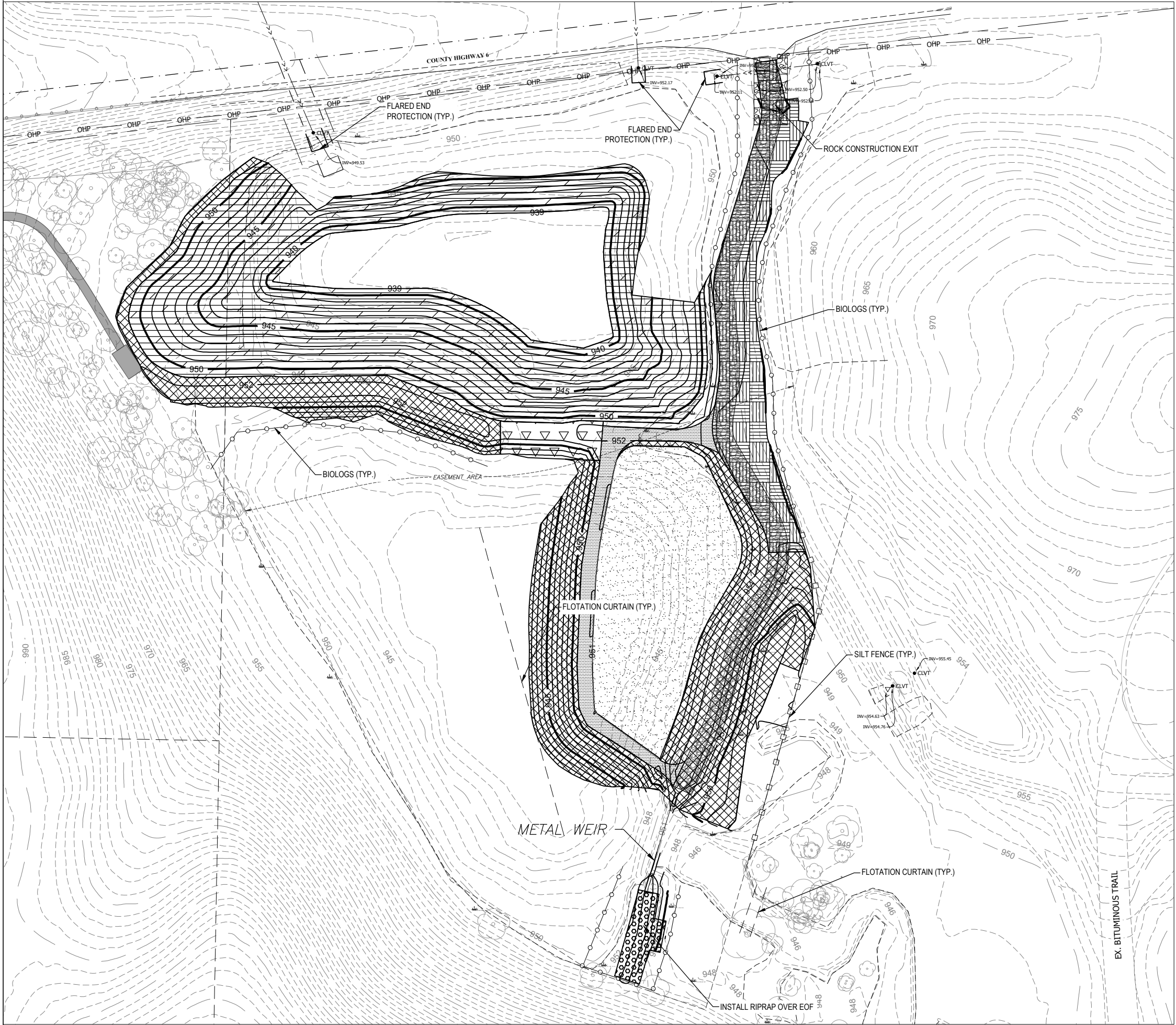
Lester Swamp, 6 to 10 percent slopes, moderately eroded  
2% Hydric

IN ACCORDANCE WITH SECTION 21 OF THE GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES, THE PREPARER OF THIS DOCUMENT WAS TRAINED UNDER THE UNIVERSITY OF MINNESOTA EROSION AND SEDIMENT CONTROL CERTIFICATION PROGRAM. BEN OTTO'S CERTIFICATION IN DESIGN OF SWPPP IS VALID THROUGH MAY 2025.

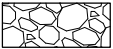
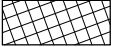
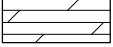
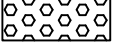
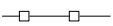
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|  <b>Stantec</b>                                 |                       |            |     |
| ONE CARLSON PARKWAY, SUITE 100<br>PLYMOUTH MN, 55447<br>PHONE: 763-479-4200<br>FAX: 763-479-4242<br>WWW.STANTEC.COM               |                       |            |     |
| CLIENT:<br><b>MINNEHAHA CREEK<br/>WATERSHED<br/>DISTRICT</b><br>15320 MINNETONKA BLVD<br>MINNETONKA, MN 55345                     |                       |            |     |
|  <b>MINNEHAHA CREEK<br/>WATERSHED DISTRICT</b> |                       |            |     |
| <div>COUNTY ROAD 6<br/>STORMWATER POND RETROFIT<br/>COUNTY ROAD 6 STORMWATER POND<br/>ORONO, MINNESOTA</div>                      |                       |            |     |
| PROJECT TITLE:                                                                                                                    | ISSUE NO:             |            |     |
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| ISSUE NO.:                                                                                                                        |                       | 0          |     |
| SHEET TITLE:                                                                                                                      |                       |            |     |
| SWPPP                                                                                                                             |                       |            |     |
| SHEET NO.:                                                                                                                        |                       |            |     |
| C-201                                                                                                                             |                       |            |     |

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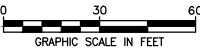
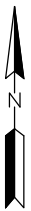


HATCH PATTERNS

-  ROCK CONSTRUCTION EXIT
-  EROSION CONTROL BLANKET WITH MNDOT SEED MIX 33-261
-  STRAW MULCH WITH MNDOT SEED MIX 33-261
-  TEMPORARY SEEDING WITH STRAW MULCH MNDOT SEED MIX 21-112 (SEE NOTES)
-  TURF REINFORCEMENT MAT CATEGORY-75
-  GRANITE RIPRAP
-  BIOLOGS
-  SILT FENCE TYPE MS
-  FLOTATION SILT CURTAIN

NOTES

- SEE SHEET G-002 FOR ADDITIONAL PROJECT NOTES
- 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.
- TEMPORARY SEEDING ON THE IN SLOPES OF THE POND IF CONSTRUCTION ACTIVITIES HAVE NOT BEEN COMPLETED PRIOR TO WINTER.



ONE CARLSON PARKWAY, SUITE 100  
PLYMOUTH MN, 55447  
PHONE: 763-479-4200  
FAX: 763-479-4242  
WWW.STANTEC.COM

CLIENT:  
**MINNEHAHA CREEK WATERSHED DISTRICT**  
15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



COUNTY ROAD 6  
STORMWATER POND RETROFIT  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

PROJECT TITLE:

ISSUE NO:

0

DESCRIPTION:

ISSUED FOR PERMITTING

DATE:

03/12/25

CERTIFICATION:

NOT FOR CONSTRUCTION

PROJECT NO.: 227707038

DWN BY: SMD CHK'D BY: NPW APP'D BY: CJM

ISSUE DATE: XX/XX/2024

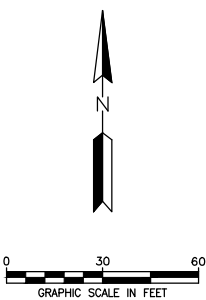
ISSUE NO.: 0

SHEET TITLE:

RESTORATION AND EROSION CONTROL PLAN

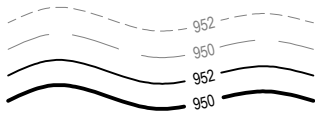
SHEET NO.:

C-202



# LEGEND

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The diagram shows a cross-section of a road with several contour lines. From top to bottom, the lines are: a dashed line labeled '952', a solid line labeled '950', a solid line labeled '952', a solid line labeled '950', and a dotted line. Below the dotted line, there are two points marked with 'x' and labeled '953.53' and 'STA+5+67.19 980.87'. Below the diagram, there is a label '1:4' and a rectangular area filled with a pattern of small circles and lines, representing a cross-section of a road or embankment.

EXISTING CONTOUR MINOR

EXISTING CONTOUR MAJOR

PROPOSED CONTOUR MINOR

PROPOSED CONTOUR MAJOR

PROPOSED GRADING LIMITS

PROPOSED SPOT ELEVATION

RISE:RUN (SLOPE)

COUNTY ROAD 6 ACCESS

PROPOSED 4" PVC

COUNTY ROAD 6  
STORMWATER POND RETROFIT  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

 **Stantec**

ONE CARLSON PARKWAY, SUITE 100  
PLYMOUTH MN. 55447  
PHONE: 763-479-4200  
FAX: 763-479-4242  
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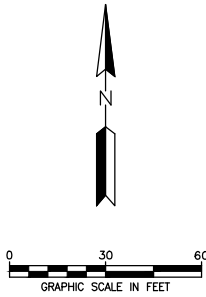
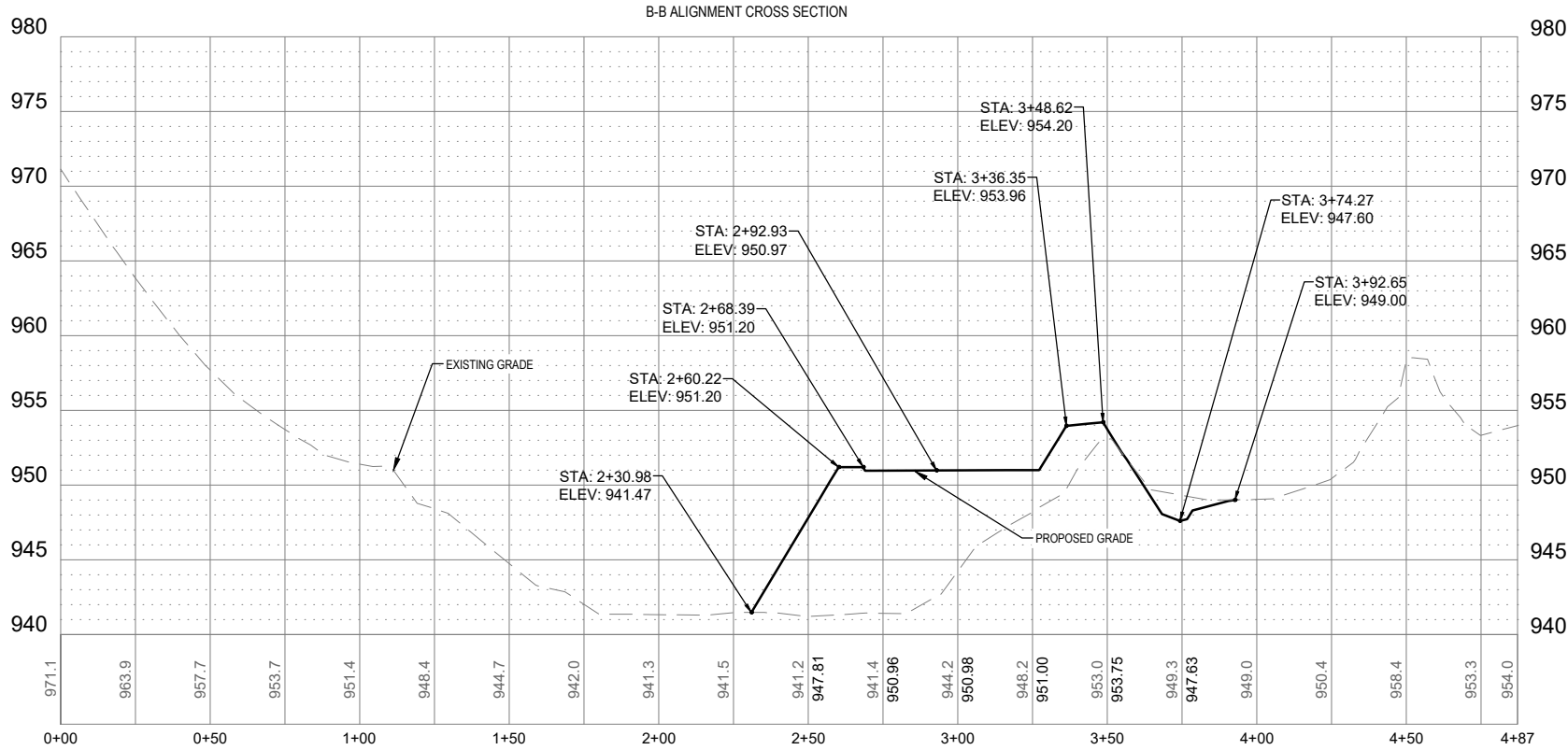
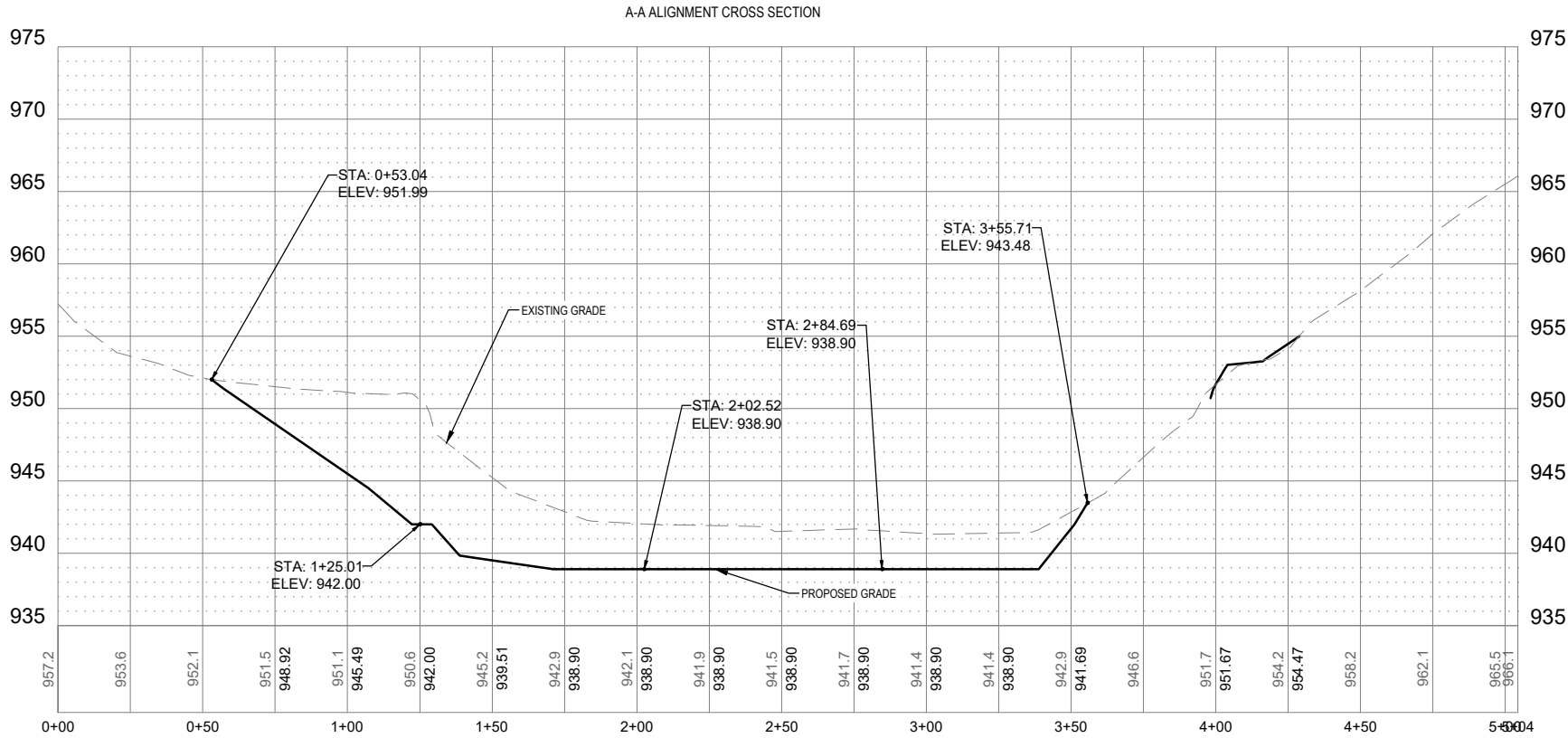
CLIENT:  
MINNEHAHA CREEK  
WATERSHED  
DISTRICT  
15320 MINNETONKA BLVD  
MINNETONKA , MN 55345


**MINNEHAHA CREEK**  
**WATERSHED DISTRICT**[illegible]

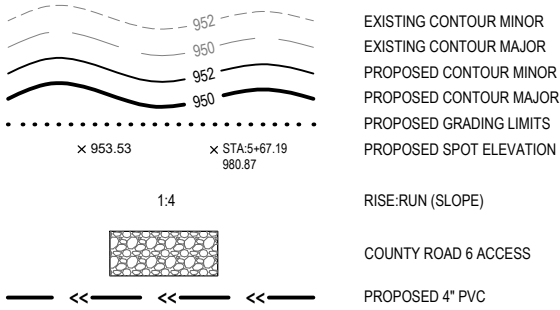
NOT FOR CONSTRUCTION

|                        |              |
|------------------------|--------------|
| PROJECT NO.: 227707038 |              |
| DWN BY: SMD            | CHKD BY: NPW |
| APP'D BY: CJM          |              |
| ISSUE DATE: XX/XX/2024 |              |
| ISSUE NO.: 0           |              |
| SHEET TITLE:           |              |
| GRADING PLAN           |              |
| SHEET NO.: C-301       |              |





LEGEND



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PHONE: 763-479-4200  
FAX: 763-479-4242  
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CLIENT:  
**MINNEHAHA CREEK  
WATERSHED  
DISTRICT**  
15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



**COUNTY ROAD 6  
STORMWATER POND RETROFIT**  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

PROJECT TITLE:

| ISSUE NO. | 0 |
|-----------|---|
|-----------|---|

| DESCRIPTION: | ISSUED FOR PERMITTING |
|--------------|-----------------------|
|--------------|-----------------------|

| DATE: | 03/1/2025 |
|-------|-----------|
|-------|-----------|

CERTIFICATION:

**NOT FOR CONSTRUCTION**

PROJECT NO.: 227707038

|             |              |               |
|-------------|--------------|---------------|
| DWN BY: SMD | CHKD BY: NPW | APP'D BY: CJM |
|-------------|--------------|---------------|

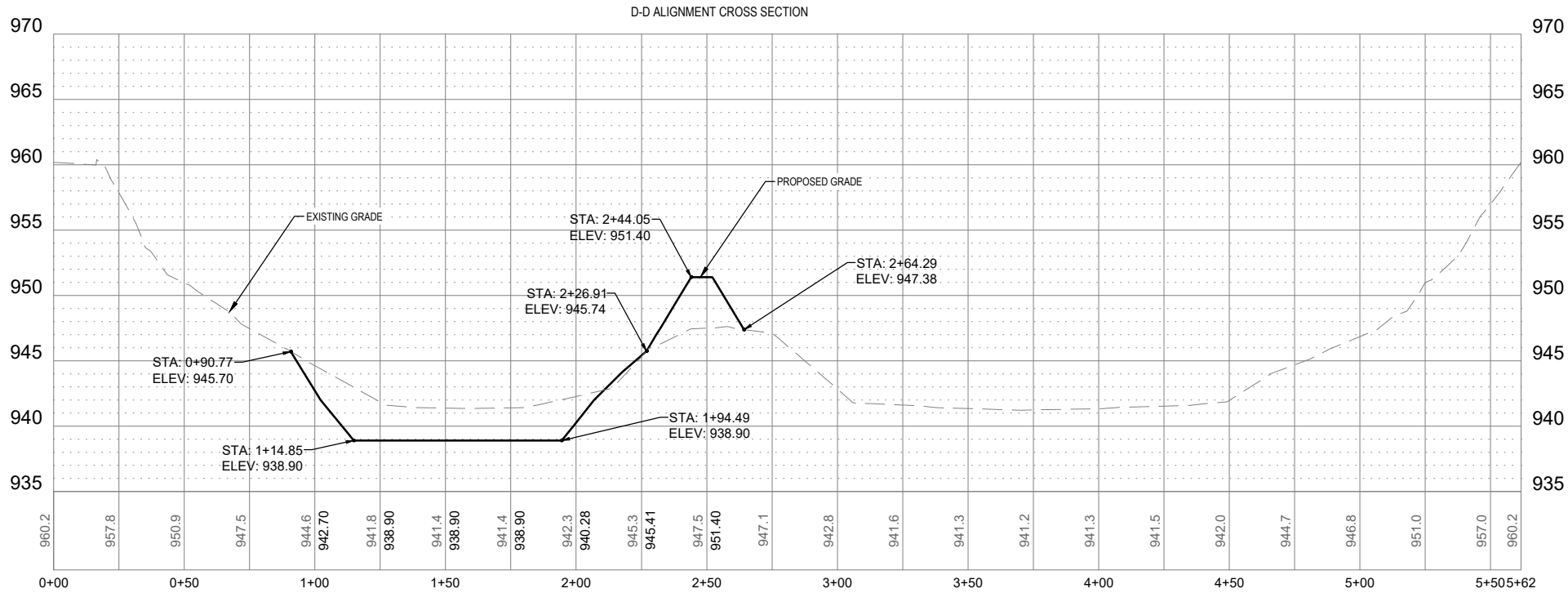
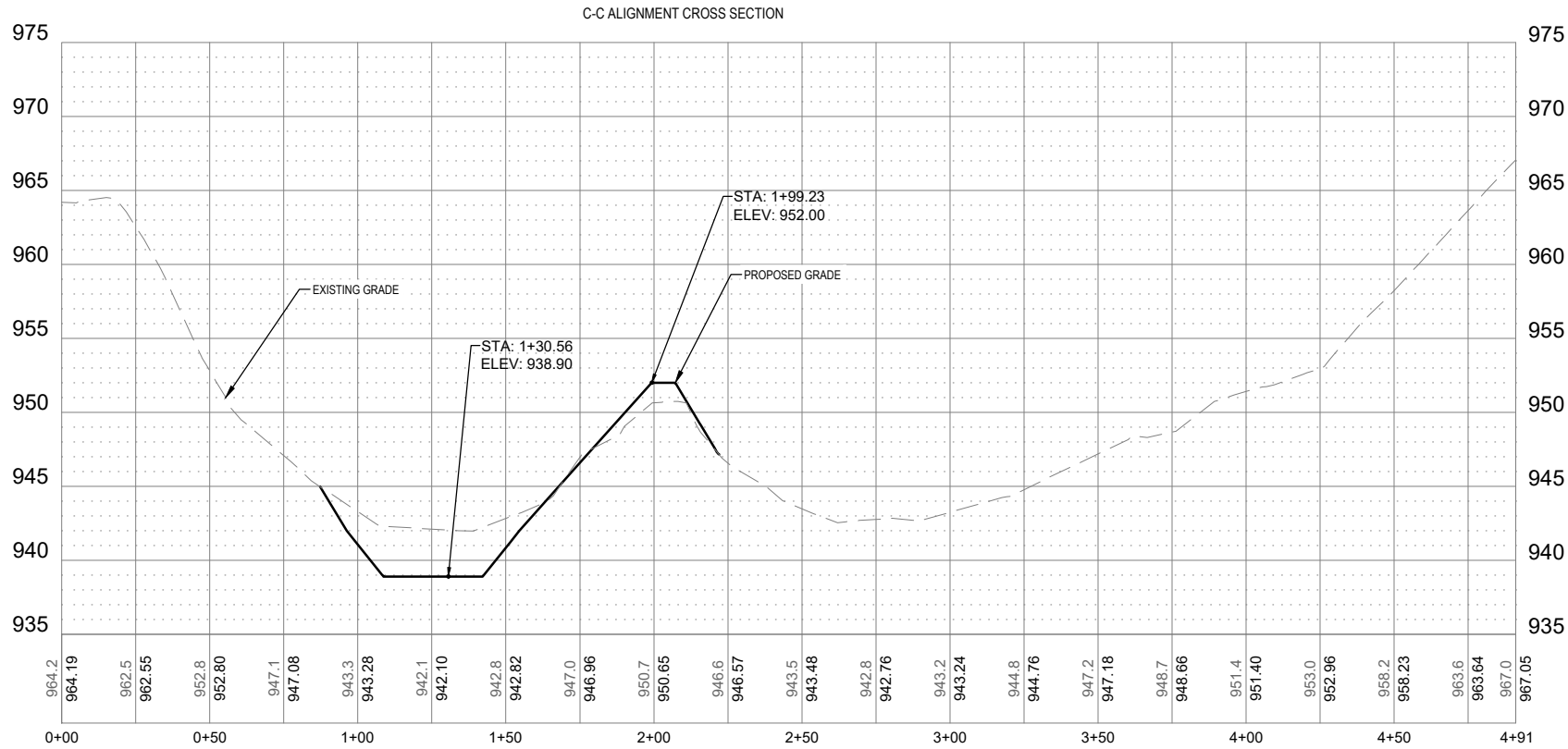
ISSUE DATE: XX/XX/2024

ISSUE NO.: 0

SHEET TITLE:

CROSS SECTIONS

SHEET NO.: C-303



LEGEND

- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED GRADING LIMITS
- PROPOSED SPOT ELEVATION
- RISE:RUN (SLOPE)
- COUNTY ROAD 6 ACCESS
- PROPOSED 4" PVC



ONE CARLSON PARKWAY, SUITE 100  
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CLIENT:  
**MINNEHAHA CREEK  
WATERSHED  
DISTRICT**  
15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



**COUNTY ROAD 6  
STORMWATER POND RETROFIT**  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

PROJECT TITLE:

| ISSUE NO. | 0 |
|-----------|---|
|-----------|---|

| DESCRIPTION: | ISSUED FOR PERMITTING |
|--------------|-----------------------|
| DATE:        | 03/1/2025             |

CERTIFICATION:

**NOT FOR CONSTRUCTION**

PROJECT NO.: 227707038

DWN BY: SMD    CHKD BY: NPW    APP'D BY: CJM

ISSUE DATE: XX/XX/2024

ISSUE NO.: 0

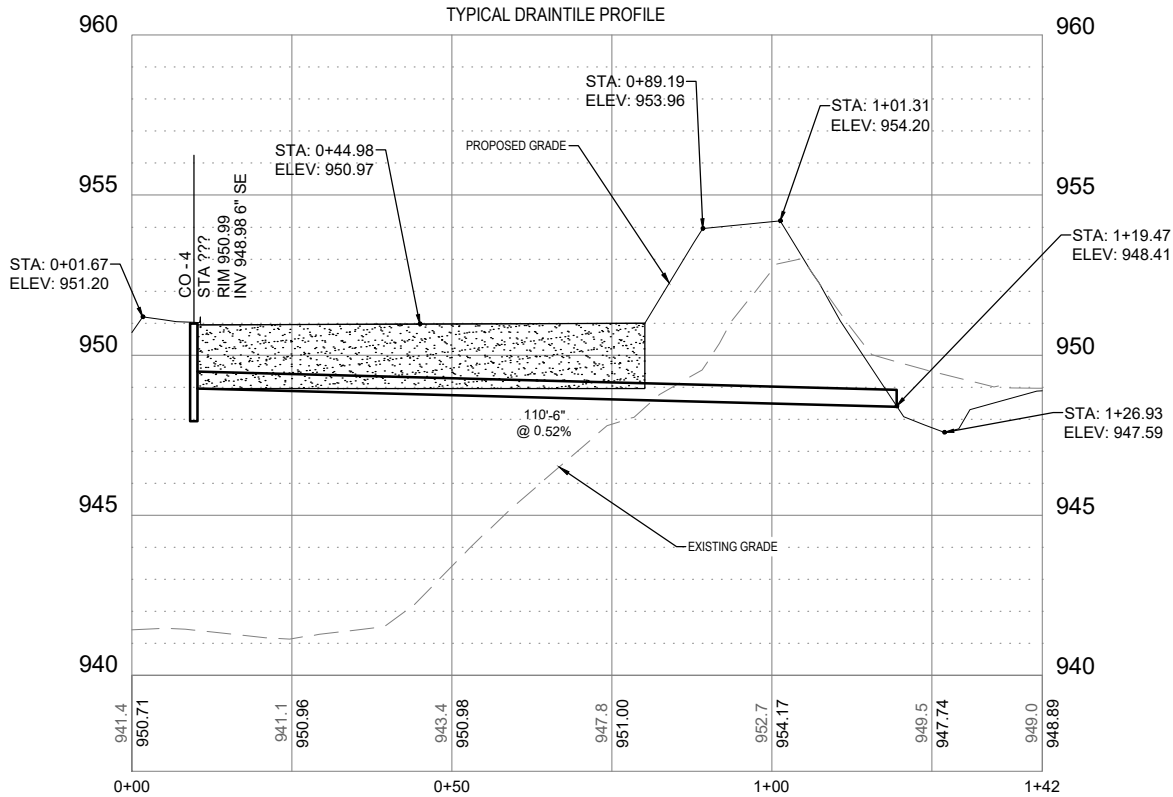
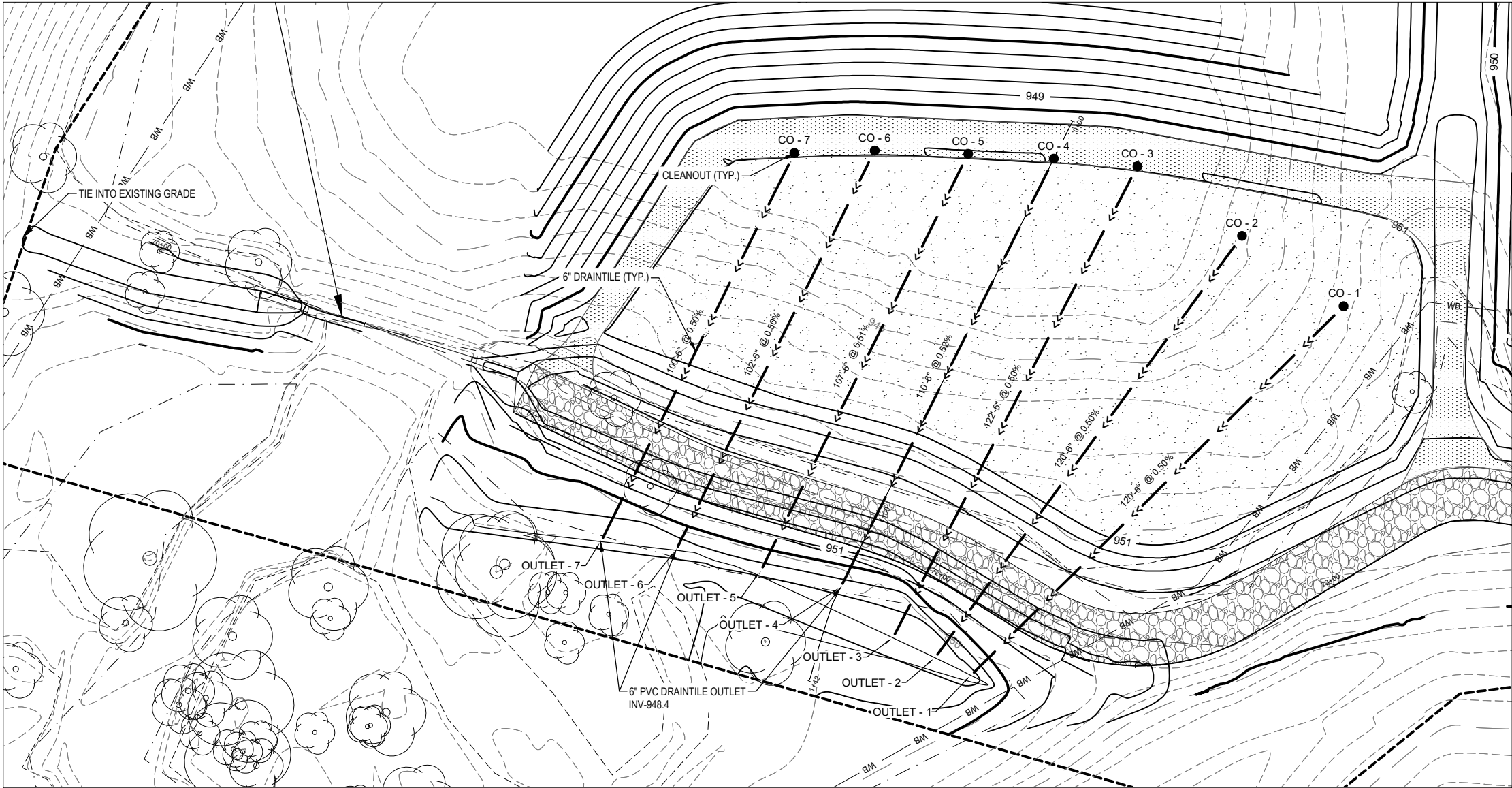
SHEET TITLE:

CROSS SECTIONS

SHEET NO.:

C-304





LEGEND

- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED GRADING LIMITS
- PROPOSED SPOT ELEVATION
- RISE:RUN (SLOPE)
- COUNTY ROAD 6 ACCESS
- PROPOSED PEA ROCK
- PROPOSED 4" PVC



ONE CARLSON PARKWAY, SUITE 100  
PLYMOUTH MN, 55447  
PHONE: 763-479-4200  
FAX: 763-479-4242  
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CLIENT:

MINNEHAHA CREEK  
WATERSHED  
DISTRICT

15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



COUNTY ROAD 6  
STORMWATER POND RETROFIT  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

PROJECT TITLE:

| ISSUE NO. | DESCRIPTION           |
|-----------|-----------------------|
| 0         | ISSUED FOR PERMITTING |

| DATE      | DESCRIPTION           |
|-----------|-----------------------|
| 03/1/2025 | ISSUED FOR PERMITTING |

CERTIFICATION:

NOT FOR CONSTRUCTION

PROJECT NO.: 227707038

DWN BY: SMD

CHKD BY: NPW

APP'D BY: CJM

ISSUE DATE: XX/XX/2024

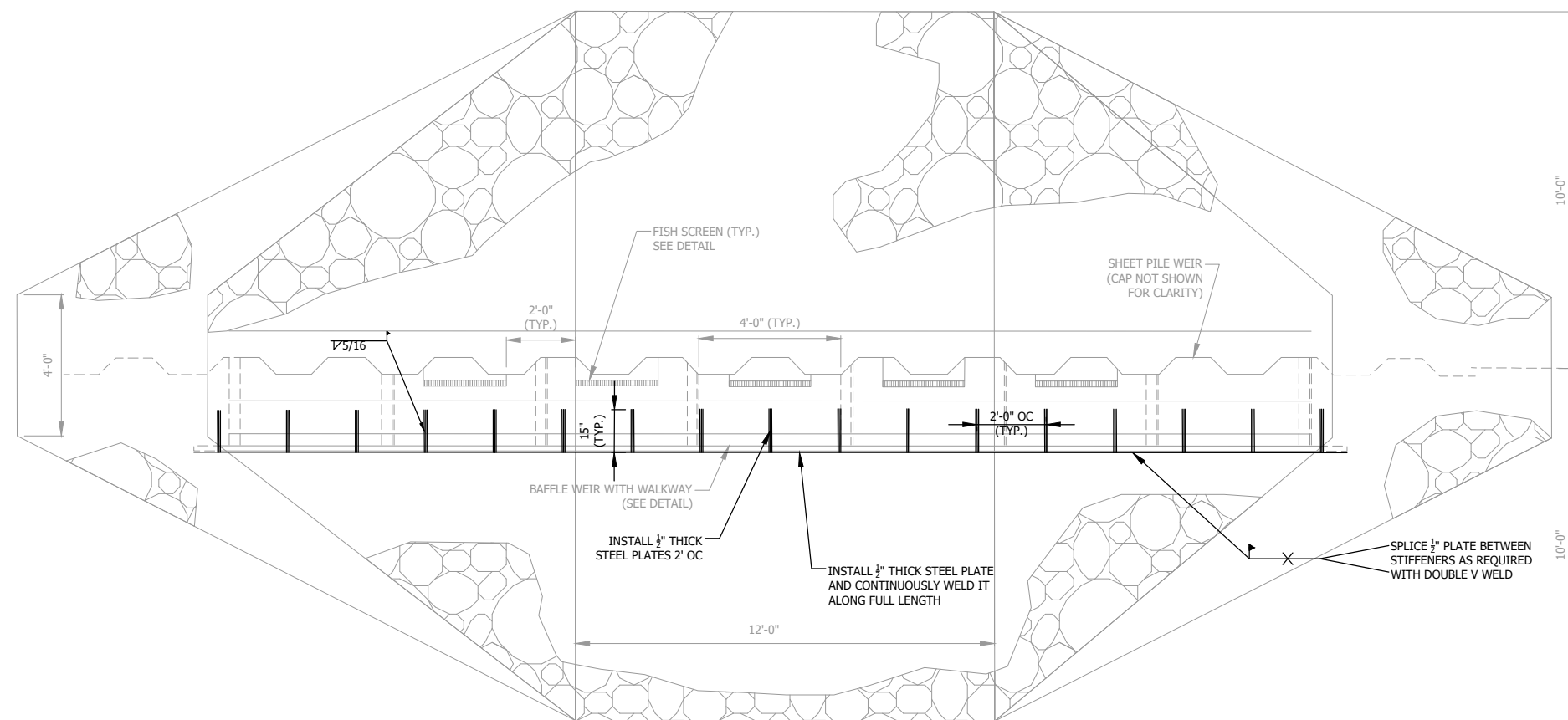
ISSUE NO.: 0

SHEET TITLE:

STORM SEWER PLAN

SHEET NO.:

C-501



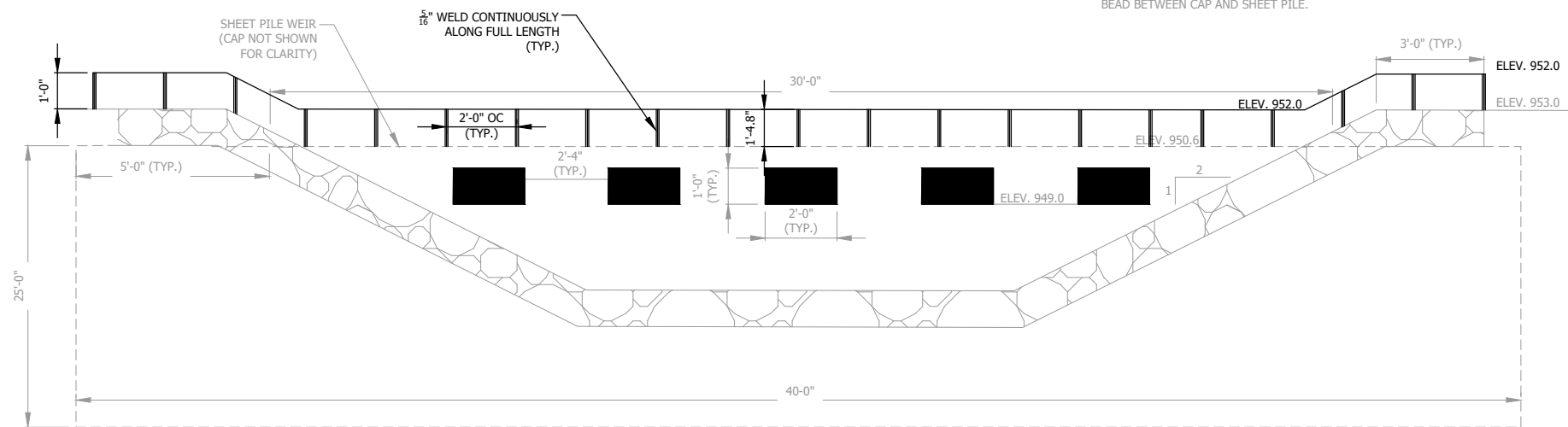
SHEET PILE WEIR - PLAN VIEW



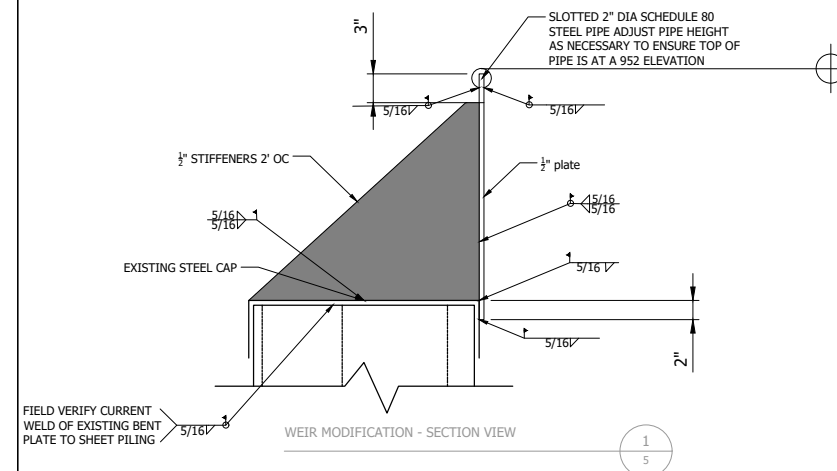
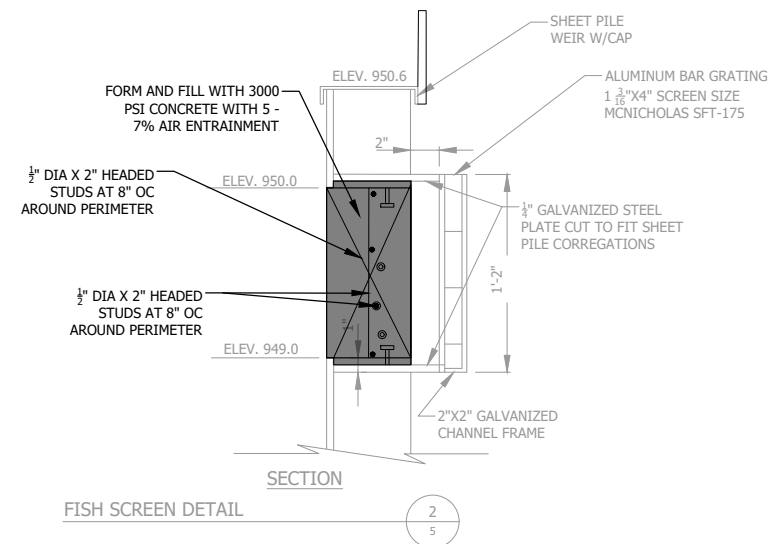
NOTE:  
SHEET PILING SHALL BE GALVANIZED  
PZ22 GRADE A328.

PILE CAP SHALL BE GALVANIZED C12X20.7 A38.  
PROVIDE  $\frac{1}{2}$ " EXPANSION JOINT EVERY 10'-0"  
MAXIMUM.

CONTRACTOR TO PLACE CONTINUOUS WELD  
BEAD BETWEEN CAP AND SHEET PILE.



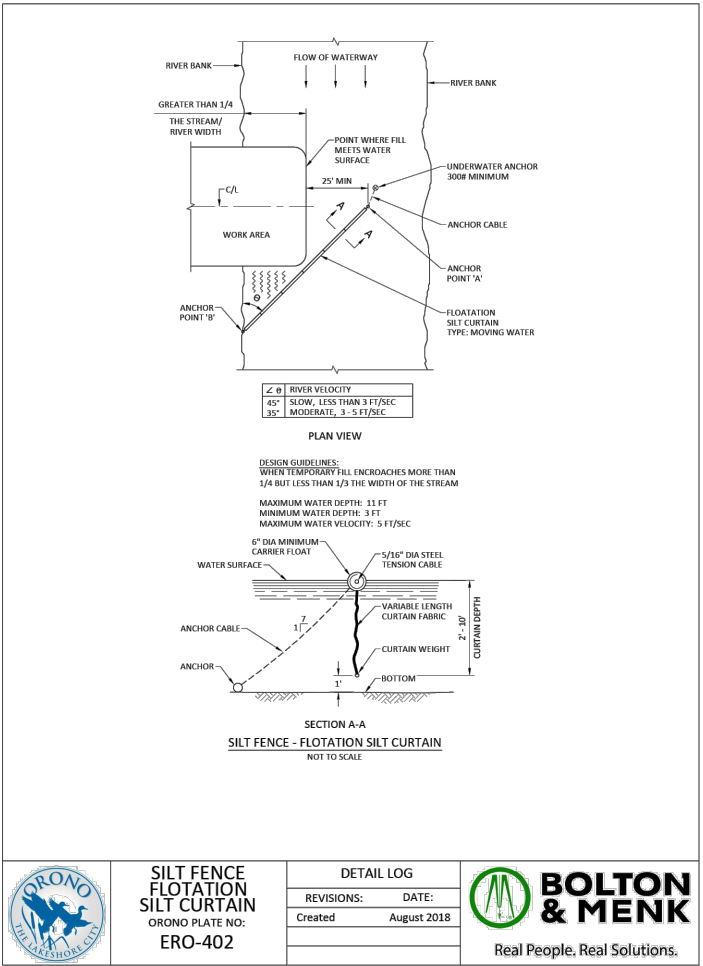
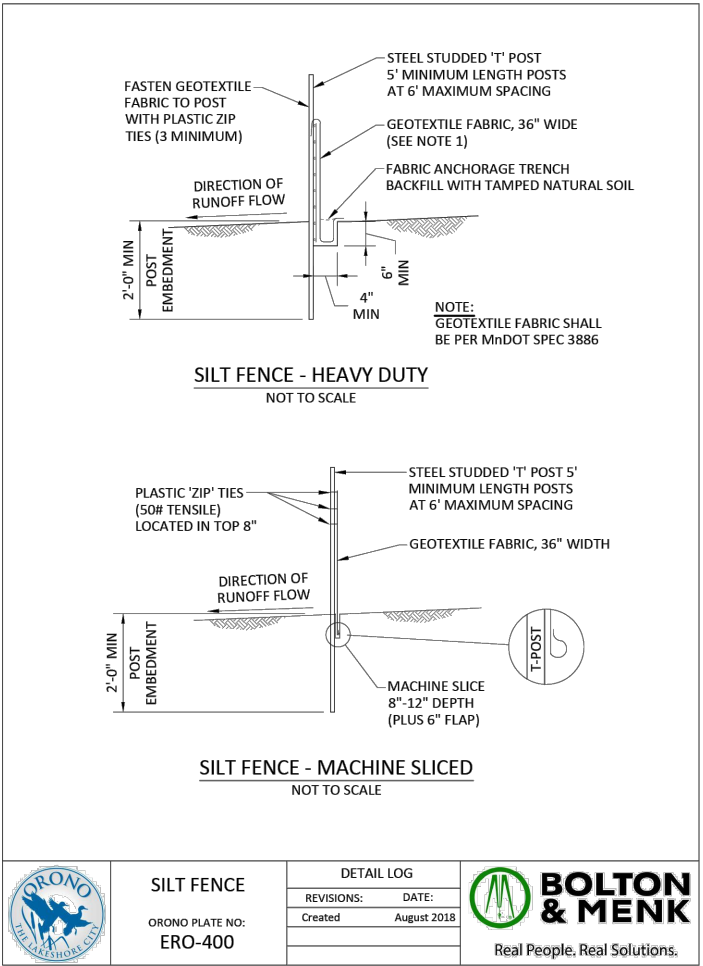
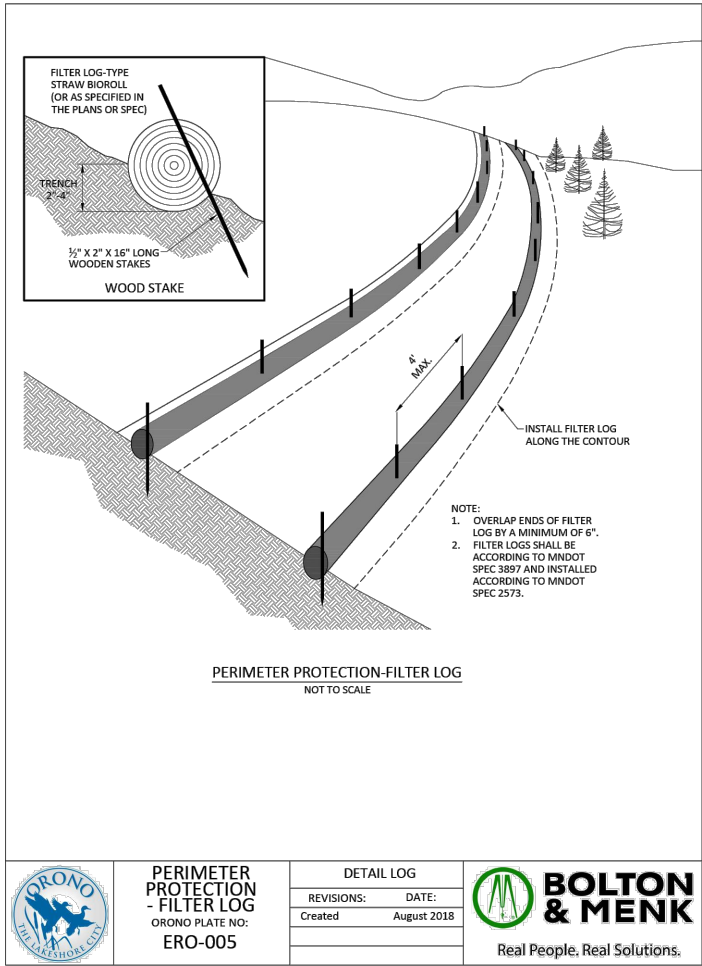
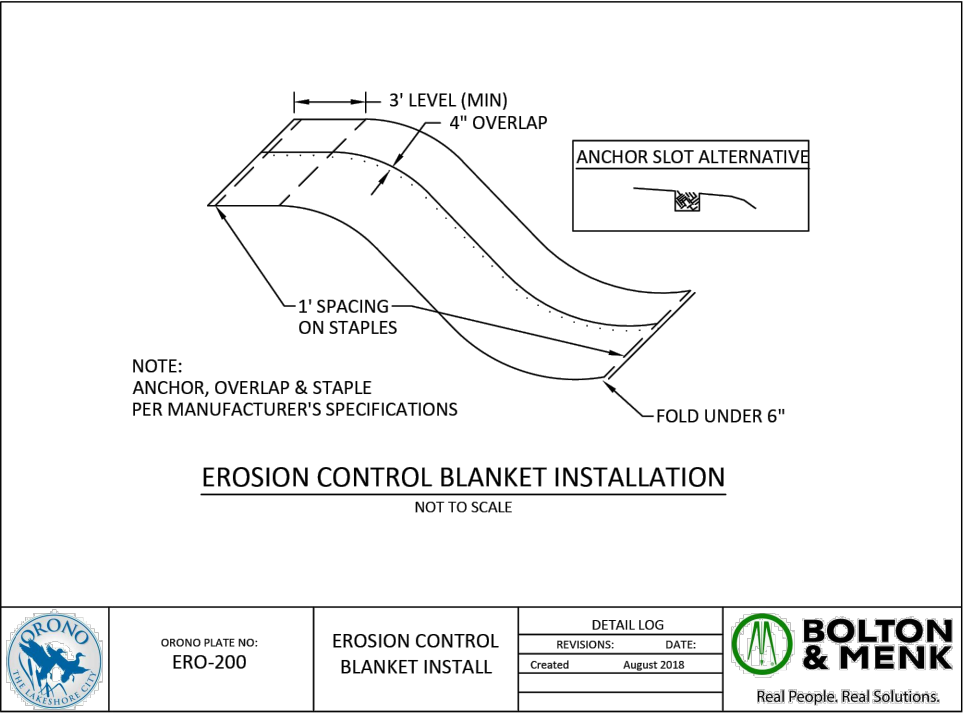
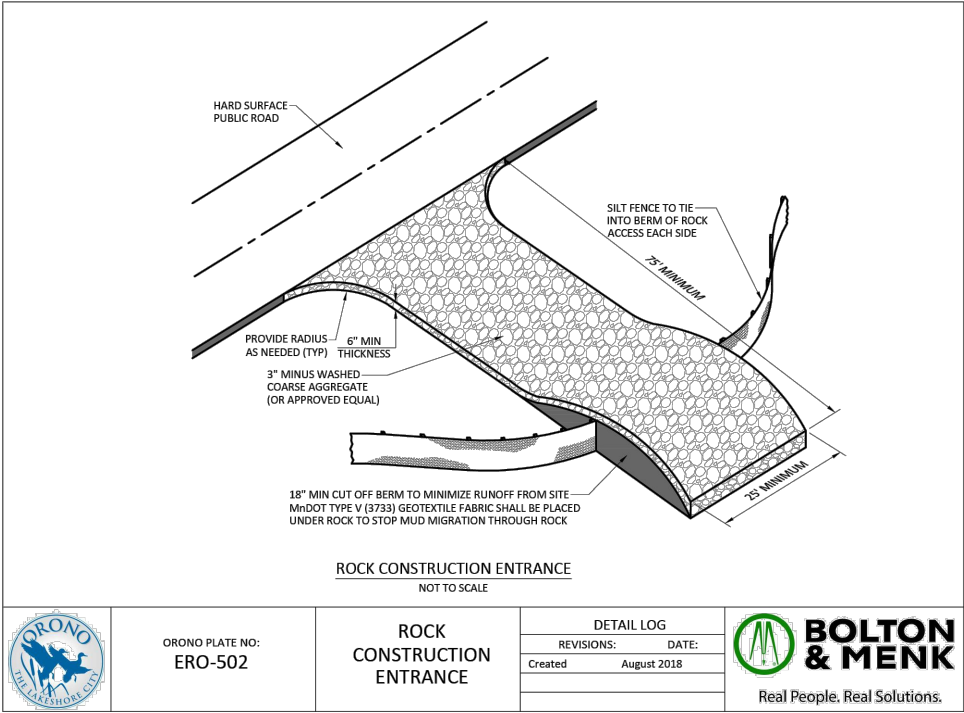
SHEET PILE WEIR - FRONT VIEW



FIELD VERIFY CURRENT  
WELD OF EXISTING BEN  
PLATE TO SHEET PILING

WEIR MODIFICATION - SECTION VIEW





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WATERSHED  
DISTRICT**  
15320 MINNETONKA BLVD  
MINNETONKA, MN 55345



**COUNTY ROAD 6  
STORMWATER POND RETROFIT**  
COUNTY ROAD 6 STORMWATER POND  
ORONO, MINNESOTA

| PROJECT TITLE: | ISSUE NO.: | DESCRIPTION:          | DATE:     |
|----------------|------------|-----------------------|-----------|
|                | 0          | ISSUED FOR PERMITTING | 03/1/2025 |

|                      |                 |                  |
|----------------------|-----------------|------------------|
| CERTIFICATION:       |                 |                  |
| NOT FOR CONSTRUCTION |                 |                  |
| PROJECT NO.:         |                 | 227707038        |
| DWN BY:<br>SMD       | CHKD BY:<br>NPW | APP'D BY:<br>CJM |
| ISSUE DATE:          |                 | XX/XX/2024       |
| ISSUE NO.:           |                 | 0                |
| SHEET TITLE:         |                 |                  |
| DETAILS              |                 |                  |
| SHEET NO.:           |                 |                  |
| C-802                |                 |                  |