



























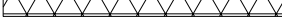




GENERAL NOTES

1. ALL EXISTING INFORMATION TAKEN FROM SURVEY BY CIVIL SITE GROUP, DATED SEPTEMBER 14, 2022.
2. GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING LOCATIONS OF EXISTING UTILITIES, AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
3. ALL AREAS DISTURBED BY CONSTRUCTION WHICH ARE OUTSIDE THE LIMITS OF PAVING ARE TO BE RESTORED AND REVEGETATED.
4. ALL UTILITY DEMOLITION AND/OR ABANDONMENT TO BE PERFORMED IN ACCORDANCE WITH CITY OF MINNEAPOLIS AND STATE OF MINNESOTA REGULATIONS AND STANDARDS.
5. EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. GENERAL CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING UTILITIES WHICH MAY INCLUDE BUT IS NOT LIMITED TO" ELECTRIC, TELEPHONE, GAS, CABLE TV, COMPUTER CABLE, FIBER OPTIC CABLE, SANITARY SEWER, STORM SEWER, STEAM, CONDENSATE, ELECTRICAL DUCT BANK AND WATERMAIN. GENERAL CONTRACTOR TO CONTACT GOPHER ONE-CALL BEFORE EXCAVATING.
6. ALL EXISTING UTILITIES AND OTHER IMPROVEMENTS ARE TO REMAIN UNLESS NOTED OTHERWISE.
7. GENERAL CONTRACTOR TO PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS, LANDSCAPING, STRUCTURES AND UTILITIES THAT ARE TO REMAIN. GENERAL CONTRACTOR TO REPAIR ANY DAMAGE AT OWN EXPENSE.
8. ALL WORK TO CONFORM WITH CITY OF MINNEAPOLIS AND STATE OF MINNESOTA STANDARDS AND REGULATIONS.
9. GENERAL CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION.
10. PROVIDE BARRICADES AT STREETS AND SIDEWALKS PER CITY OF MINNEAPOLIS REQUIREMENTS.
11. WASTE MATERIALS INCLUDING PAVEMENT REMOVED DURING CONSTRUCTION, WASTE PIPING AND SUPPLIES, CONSTRUCTION DEBRIS AND EXCESS EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE GENERAL CONTRACTOR.
12. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY. ALL CONSTRUCTION STORM RUNOFF SHALL COMPLY WITH THE CITY OF MINNEAPOLIS REQUIREMENTS.
13. WHEN WORKING AROUND EXISTING TELEPHONE OR ELECTRICAL POLES, THE GENERAL CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
14. WHEN WORKING AROUND EXISTING UTILITIES THAT BECOME EXPOSED, THE GENERAL CONTRACTOR SHALL PROVIDE SUFFICIENT SUPPORT TO PREVENT EXCESSIVE STRESS ON THE PIPING. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.
15. ALL EXCAVATIONS MUST COMPLY WITH THE REQUIREMENTS OF OSHA 29 CFR, PART 1926, SUBPART P "EXCAVATIONS AND TRENCHES". THIS DOCUMENT STATES THAT EXCAVATION SAFETY IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
16. GENERAL CONTRACTOR SHALL COORDINATE WITH ARCHITECT'S AND MECHANICAL ENGINEER'S DRAWINGS TO VERIFY LOCATION, SIZE AND QUANTITY OF ALL UTILITY CONNECTIONS.
17. ALL MATERIALS FOR PROPOSED CONSTRUCTION OR REPAIR OF EXISTING FACILITIES SHALL BE NEW PRODUCTS DIRECT FROM THE FACTORY AND FREE FROM DEFECTS.
18. GENERAL CONTRACTOR SHALL NOT BLOCK DRAINAGE FROM OR DIRECT EXCESS DRAINAGE ONTO ADJACENT PROPERTY.
19. PROVIDE THE FOLLOWING MINIMUM COVER OVER THE TOP OF PIPE AS FOLLOWS:
 - A. 1' OVER STORM SEWER
21. MAXIMUM SLOPES WITHIN ALL SIDEWALKS MUST NOT EXCEED 5.00% ALONG THE PATH OF TRAVEL. MAXIMUM CROSS-SLOPES FOR SIDEWALKS AND ADA ACCESS ROUTES MUST NOT EXCEED 2.00%. MAXIMUM SLOPES FOR HANDICAP PARKING STALLS AND ACCESS AISLES MUST NOT EXCEED 2.00% IN ANY DIRECTION.
22. PERMITS AND APPROVAL ARE REQUIRED FROM ENVIRONMENTAL SERVICES FOR THE FOLLOWING ACTIVITIES:
 - AFTER HOURS WORK
 - TEMPORARY STORAGE OF IMPACTED SOILS ON SITE PRIOR TO DISPOSAL OR REUSE
 - REMEDIATION OF CONTAMINATED SOIL AND GROUNDWATER, REUSE OF IMPACTED SOILS ON SITE
 - DEWATERING AND DISCHARGE OF ACCUMULATED STORM WATER OR GROUND WATER TO CITY SEWERS
 - FLAMMABLE WASTE TRAPS, UNDERGROUND OR ABOVE GROUND TANK INSTALLATION OR REMOVAL
 - TEMPORARY ENVIRONMENTAL WELLS
 - WELL CONSTRUCTION OR SEALING
 - ON-SITE ROCK CRUSHING.
- CONTACT TOM FRAME AT TOM.FRAME@MINNEAPOLISMN.GOV OR (612) 685-5801, FOR PERMIT APPLICATIONS AND APPROVALS.
23. NO CONSTRUCTION, DEMOLITION OR COMMERCIAL POWER MAINTENANCE EQUIPMENT SHALL BE OPERATED WITHIN THE CITY BETWEEN THE HOURS OF 6:00 PM AND 7:00 AM ON WEEKDAYS OR DURING ANY HOURS ON SATURDAYS, SUNDAYS AND STATE AND FEDERAL HOLIDAYS, EXCEPT UNDER PERMIT. CONTACT ENVIRONMENTAL SERVICES AT (612) 673-3516 FOR PERMIT INFORMATION.
24. ANY CONCRETE CONSTRUCTION WORK WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE PERFORMED BY A LICENSED AND BONDED CONCRETE CONTRACTOR.
25. A \$15,000 SIDEWALK CONTRACTOR'S BOND MUST BE OBTAINED FROM PUBLIC WORKS SIDEWALK INSPECTIONS PRIOR TO THE START OF ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY. PLEASE LOG ON TO: WWW.SIDEWALK.MPLS.MNROWAY.NET AND FOLLOW THE INSTRUCTIONS ON THE WEB SITE.
26. A SIDEWALK CONSTRUCTION PERMIT MUST BE OBTAINED PRIOR TO THE START OF ANY WORK IN THE PUBLIC RIGHT-OF-WAY. ANY CONCRETE CONSTRUCTION WORK WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE PERFORMED BY A CONTRACTOR WHO HAS A CERTIFICATE OF LIABILITY INSURANCE (ACORD FORM) ON FILE WITH PUBLIC

- WORKS SIDEWALK INSPECTIONS PRIOR TO THE START OF ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY. FOR MORE INFORMATION CALL (612) 673-2420. THE CONTRACTOR CAN APPLY FOR A PERMIT AT WWW.SIDEWALK.MPLS.MN.ROWAY.NET AND FOLLOW THE INSTRUCTIONS ON THE WEB SITE.
27. AN OBSTRUCTION PERMIT IS REQUIRED ANYTIME CONSTRUCTION WORK IS PERFORMED IN THE PUBLIC RIGHT-OF-WAY. PLEASE CONTACT SCOTT KRAMER AT (612) 673-2383 REGARDING DETAILS OF SIDEWALK AND LANE CLOSURES. LOG ON TO [HTTP://MINNEAPOLIS.MN.ROWAY.NET](http://MINNEAPOLIS.MN.ROWAY.NET) FOR A PERMIT.
28. ALL COSTS FOR RELOCATION AND/OR REPAIR OF CITY FACILITIES SHALL BE BORNE BY THE GENERAL CONTRACTOR AND/OR PROPERTY OWNER.
29. PRIOR TO STARTING ANY CONSTRUCTION, CALL THE FORESTRY PRESERVATION COORDINATOR (FPC) TO DETERMINE IF A TREE WORK PERMIT IS NEEDED AND TO ENSURE THAT PUBLIC TREES ARE PROTECTED OR COMPENSATED FOR. A PUBLIC TREE IS ANY TREE THAT IS GROWING IN THE BOULEVARD OR PUBLIC RIGHT-OF-WAY AS WELL AS ON ANY OTHER MUNICIPAL PUBLIC PROPERTY.
30. IT IS ILLEGAL TO REMOVE, PRUNE OR PLANT A PUBLIC TREE PER ORDINANCE WITHOUT RECEIVING A PERMIT FROM THE MPRB. REMOVAL, PRUNING AND PLANTING VIA PERMIT MUST CONFORM TO MPRB FORESTRY DIVISION SPECIFICATIONS.
31. TREE WORK THAT OCCURS ON PUBLIC TREES WITHOUT A PERMIT WILL BE STOPPED AND THE POLICE WILL BE NOTIFIED. IF NECESSARY, COMPENSATION THAT RESULTS FROM ILLEGAL TREE WORK WILL BE COLLECTED THROUGH LITIGATIONS.
32. PUBLIC TREES HAVE A MONETARY VALUE. THE ROOT ZONE, TRUNK AND BRANCHES OF ALL PUBLIC TREES GROWING WITHIN THE PUBLIC RIGHT-OF-WAY NEED TO BE PROTECTED WITH CONSTRUCTION FENCE THAT EXTENDS AS FAR AS THE SPREAD OF THE OUTER MOST BRANCHES. IF A PUBLIC TREE CAN NOT BE PRESERVED, COMPENSATION WILL BE REQUIRED FOR THE VALUE OF THE TREE OR DAMAGE TO IT.
33. IF A CRANE IS USED ON SITE AND IS WITHIN 50 FEET OF A PUBLIC TREE, THE FORESTRY PRESERVATION COORDINATOR (FPC) NEEDS TO BE NOTIFIED.
34. MUCH PLACED AROUND EXISTING OR NEWLY PLANTED PUBLIC TREES MUST BE WOOD CHIPS AND MUST NOT TOUCH THE TRUNK OF THE TREE.
35. CONTACT ANDREA SWENSON AT (612) 673-3263 PRIOR TO CONSTRUCTION FOR THE REMOVAL OF ANY CITY OF MINNEAPOLIS RIGHT OF WAY SIGNS THAT MAY BE IN THE WAY OF CONSTRUCTION.
36. AN ENCRoACHMENT PERMIT SHALL BE REQUIRED FOR ALL STREETScape ELEMENTS IN THE PUBLIC RIGHT-OF-WAY SUCH AS: PLANTS & SHRUBS, PLANTERS, TREE GRATES AND OTHER NON-STANDARD STREETScape ELEMENTS IN THE PUBLIC RIGHT-OF-WAY SUCH AS: SIDEWALK FURNITURE, BICK RACKS, BOLLARDS AND POTENTIALLY OTHER ITEMS, AND SIDEWALK ELEMENTS OTHER THAN STANDARD CONCRETE WALKWAYS SUCH AS PAVERS, STAIRS, RAISED LANDINGS, RETAINING WALLS, ACCESS RAMPS, AND RAILINGS (NOTE: RAILINGS MAY NOT EXTEND INTO THE SIDEWALK PEDESTRIAN AREA). PLEASE CONTACT MATT HANAN AT (612) 673-3607 FOR FURTHER INFORMATION.
37. ANY ELEMENTS OF AN EARTH RETENTION SYSTEM AND RELATED OPERATIONS (SUCH AS CONSTRUCTION CRANE BOOM SWINGS) THAT FALL WITHIN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE AN ENCRoACHMENT PERMIT APPLICATION. IF THERE ARE TO BE ANY EARTH RETENTION SYSTEMS WHICH WILL EXTEND OUTSIDE THE PROPERTY LINE OF THE DEVELOPMENT THEN A PLAN MUST BE SUBMITTED SHOWING DETAILS OF THE SYSTEM. ALL SUCH ELEMENTS SHALL BE REMOVED FROM THE PUBLIC RIGHT-OF-WAY FOLLOWING CONSTRUCTION WITH THE EXCEPTION OF TIE-BACKS WHICH MAY REMAIN BUT MUST BE UNCOUPLED AND DE-TENSIONED. PLEASE CONTACT MATT HANAN AT (612) 673-3607 FOR FURTHER INFORMATION.
38. CARE MUST BE TAKEN DURING CONSTRUCTION AND EXCAVATION TO PROTECT ANY SURVEY MONUMENTS AND/OR PROPERTY IRONS.
39. DRAWINGS DO NOT INDICATE AREAS OF TEMPORARY SUPPORT SYSTEMS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS AND WILL HAVE TOTAL CONTROL OVER THE TYPES AND DESIGN OF ALL SHORING, SHEETING, BRACING, ANCHORAGES, EXCAVATION SUPPORT WALLS, DIRECTIONAL BORING, AUGER JACKING, SOIL STABILIZATION AND OTHER METHODS OF PROTECTING EXISTING IMPROVEMENTS. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.
40. GENERAL CONTRACTOR TO RECORD EXISTING CONDITIONS AS NEEDED (PHOTOGRAPHS, VIDEO PHOTOGRAPHY, FIELD SURVEYING, ETC.) TO ENABLE RECONSTRUCTION TO MATCH EXISTING CONDITIONS AS REQUIRED. GENERAL CONTRACTOR TO DOCUMENT EXISTING CONDITIONS SO THAT RECONSTRUCTED AREAS WILL HAVE POSITIVE DRAINAGE SIMILAR TO EXISTING.
41. WHERE DEMOLITION, EXCAVATION, UNDERPINNING, PILE DRIVING, COMPACTING OR SIMILAR WORK IS TO BE PERFORMED ADJACENT TO OR IN THE IMMEDIATE VICINITY OF EXISTING STRUCTURES, THE OWNER WILL PROVIDE BUILDING SURVEYS AND SEISMIC MONITORING. GENERAL CONTRACTOR SHALL COORDINATE MONITORING OF BUILDING AND KEEPING OWNER INFORMED OF OPERATIONS THAT MAY IMPACT SENSITIVE PROJECTS OR STRUCTURES.
42. PLEASE CONTACT JOSEPH LAURIN AT (612) 673-5987 REGARDING EXISTING AND PROPOSED STREET LIGHTING. ALL STREET LIGHTING (EXISTING AND PROPOSED) SHALL BE SHOWN CLEARLY ON THE SITE PLAN. PER THE CITY OF MINNEAPOLIS STREET LIGHTING POLICY, STREET LIGHTING WILL BE STRONGLY ENCOURAGED ALONG MAJOR PEDESTRIAN CORRIDORS AND BUSINESS NODES AS IDENTIFIED IN THE MINNEAPOLIS STREET LIGHTING POLICY.
43. ACCESS TO FIRE DEPARTMENT APPARATUS MUST BE MAINTAINED AT ALL TIMES DURING THE ENTIRETY OF THE PROCESS.
44. CONTACT TILAHUN HAILU AT (612) 673-5809 PRIOR TO CONSTRUCTION FOR THE TEMPORARY REMOVAL/TEMPORARY RELOCATION OF ANY CITY OF MINNEAPOLIS LIGHTING OR TRAFFIC SIGNAL SYSTEM THAT MAY BE IN THE WAY OF CONSTRUCTION.
45. STREET LIGHTING INSTALLED AS PART OF THIS PROJECT SHALL BE INSPECTED BY THE CITY. GENERAL CONTRACTORS SHALL ARRANGE FOR INSPECTIONS WITH THE TRAFFIC DEPARTMENT, PLEASE CONTACT DAVE PREHAL AT (612) 673-5759 FOR FURTHER INFORMATION. ANY LIGHTING INSTALLATIONS NOT MEETING CITY SPECIFICATIONS WILL BE REQUIRED TO BE REINSTALLED AT OWNER EXPENSE.

47. ANY METERED PARKING SPACES NEEDED TO FACILITATE PROJECT WORK MUST BE HOODED AT PROJECT EXPENSES FOR THE LENGTH OF DISRUPTION REQUIRED. IF SIDEWALK IS REMOVED AND PARKING LANE IS CLOSED, THE METER AND SPACE DELINEATORS MUST BE REMOVED AND REINSTALLED UPON PROJECT COMPLETION AT PROJECT EXPENSES. THIS CAN BE REQUESTED AT THE SAME TIME THAT THE "OBSTRUCTION PERMIT" IS OBTAINED VIA [HTTP://MINNEAPOLIS.MN.ROWAY.NET/](http://MINNEAPOLIS.MN.ROWAY.NET/) OR CONTACT SCOTT KRAMER AT (612) 673-2383 SCOTT.KRAMER@MINNEAPOLISMN.GOV IF YOU HAVE ANY QUESTIONS REGARDING OBSTRUCTION PERMITS OF METER REMOVAL.
48. PAVEMENT MARKINGS THAT EXIST PRIOR TO THE START OF THE PROJECT MUST BE REPLACED IN-KIND. IF IT IS LATEX OR EPOXY PAINT THEN IT MUST GO BACK IN WITH THE TYPE OF PAINT UNLESS OTHERWISE DIRECTED BY CITY OF MINNEAPOLIS TRAFFIC DIVISION. ALL COSTS ASSOCIATED WITH THE PAVEMENT MARKING REPLACEMENT SHALL BE BORNE BY THE CONTRACTOR AND/OR PROPERTY OWNER.
49. ALL COSTS FOR RELOCATION AND/OR REPAIR OF CITY TRAFFIC FACILITIES INCLUDING TRAFFIC SIGNALS SYSTEMS, STREET LIGHTING, TRAFFIC SIGNS, PARKING METERS, AND PAVEMENT MARKINGS SHALL BE BORNE BY THE GENERAL CONTRACTOR AND/OR PROPERTY OWNER. IN ADDITION TO THE VARIOUS REQUIRED CONSTRUCTION PERMITS, IMPACTS TO EXISTING TRAFFIC SIGNAL AND STREET LIGHTING SYSTEMS (INCLUDING INSTALLATION OF NEW STREET LIGHTS) WILL REQUIRE THE APPLICANT AND RESPECTIVE CONTRACTORS TO ENTER INTO A SEPARATE RIGHT-OF-WAY EXCAVATION PERMIT (INCLUDING TESTING AND INSPECTION REQUIREMENTS) WITH THE PUBLIC WORKS DEPARTMENT, FOR FURTHER INFORMATION REGARDING THIS PERMIT PLEASE COORDINATE WITH TILAHUN HAILU AT (612) 673-5809.
50. CONTACT SHANE MORTON AT (612) 673-5517 PRIOR TO CONSTRUCTION FOR THE REMOVAL OF ANY CITY OF MINNEAPOLIS RIGHT-OF-WAY SIGNS OR PAVEMENT MARKINGS THAT MAY BE IN THE WAY OF CONSTRUCTION.
51. ANY EXISTING CONCRETE INFRASTRUCTURE IN THE PUBLIC RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO PUBLIC SIDEWALKS, CURB AND GUTTER, AND ADA PEDESTRIAN RAMPS, THAT IS EITHER CURRENTLY DEFECTIVE OR THAT IS DAMAGE DURING THE TIME OF SITE RE-DEVELOPMENT, MUST BE REMOVED AND REPLACED AT THE TIME OF SITE RE-DEVELOPMENT.
52. IF IMPACTED SOIL IS ENCOUNTERED DURING SITE ACTIVITIES WORK WILL NEED TO STOP AND NOTIFICATION PROVIDED TO THE MN DUTY OFFICER AT (651) 649-5451 OR 800-422-0798.
53. CONTACT PAUL CAO AT (612) 673-2943 FOR POSITION AND ALIGNMENT OF BIKE RACKS PROPOSED IN THE PUBLIC RIGHT-OF-WAY. IF THE RACKS ARE PRIVATELY OWNED, THEY WILL REQUIRE AN ENCROACHMENT PERMIT.
54. ANY IMPROVEMENTS, MODIFICATIONS, AND ALTERATIONS TO THE STREETScape THAT FALL WITHIN THE DESIGNATED BOUNDARIES OF AN ESTABLISHED SPECIAL SERVICE DISTRICT ARE SUBJECT TO THE REVIEW AND APPROVAL OF THAT SPECIAL SERVICE DISTRICT, AND WILL REQUIRE THE APPROVAL OF SPECIAL SERVICE DISTRICT ADVISORY BOARD. PLEASE CO-ORDINATE CONTACT WITH THE ADVISORY BOARD THROUGH ANDY CARLSON (612) 673-2836
55. ALL PROPOSED TREES IN THE PUBLIC RIGHT-OF-WAY ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE MINNEAPOLIS PARK BOARD. PLEASE CONTACT CRAIG PINKALLA AT (612) 499-9233 TO DISCUSS TREE SPECIES SELECTION, PLANTING METHOD, SPACING AND LOCATIONS. TREE PLANTING DETAILS SHALL BE INCLUDED IN THE PLANS. FOR ALL TREES PROPOSED IN "HARDSCAPE ENVIRONMENTS" WITHIN THE PUBLIC RIGHT-OF-WAY, THE APPLICANT SHALL PROVIDE ENGINEERED/STRUCTURED SOIL IN THE FORM OF A TREE TRENCH OR TREE PIT FOR ALL PROPOSED STREET TREES. LANDSCAPING IN THE PUBLIC RIGHT-OF-WAY SHALL FOLLOW ESTABLISHED DESIGN STANDARDS IN ACCORDANCE WITH THE CITY OF MINNEAPOLIS STANDARD SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION CURRENT EDITION AND ITS ATTACHMENTS (REFER TO THE FOLLOWING: [HTTP://WWW.MINNEAPOLISMN.GOV/PUBLICWORKS/PLATES/INDEX.HTM](http://www.minneapolismn.gov/publicworks/plates/index.htm)).
56. AT SIGNALIZED INTERSECTIONS, APS SHALL BE INSTALLED WITH THE PEDESTRIAN RAMP CONSTRUCTION. TO MAXIMIZE THE PEDESTRIAN ACCESS ROUTE (PAR)/MAINTENANCE ACCESS ROUTE (MAR), APS SHALL BE INSTALLED ON THE SIGNAL POLE WHENEVER POSSIBLE TO REMOVE THE NUMBER OF SEPARATE PUSH BUTTON STATIONS. PLEASE CONTACT TILAHUN HAILU AT (612) 673-5809 FOR MORE INFORMATION ON CURRENT APS DESIGNS.
57. UPON THE PROJECT'S COMPLETION, THE GENERAL CONTRACTOR, PROPERTY OWNER OR RESPONSIBLE PARTY SHALL PROVIDE TO THE DEPARTMENT OF PUBLIC WORKS A FINAL STORMWATER MANAGEMENT REPORT INCLUDING RECORD DRAWINGS. THIS REPORT WILL SERVE AS A MEANS OF VERIFICATION THAT THE INTENT OF THE APPROVED STORMWATER MANAGEMENT DESIGN HAS BEEN MET. THIS FINAL REPORT SHALL INDICATE THAT ALL ASPECTS OF THE ORIGINAL DESIGN HAVE BEEN ADEQUATELY PROVIDED FOR BY THE CONSTRUCTION OF THE PROJECT.
58. CONTRACTOR, PROPERTY OWNER OR RESPONSIBLE PARTY SHALL CONTACT MINNEAPOLIS SURFACE WATERS AND SEWER 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION RELATED TO OR IN THE LOCATION OF THE PROPOSED STORMWATER MANAGEMENT BMP. CONTACT PAUL CHELSEN AT (612) 673-2406 OR PAUL.CHELSEN@MINNEAPOLISMN.GOV.
59. APPROVAL OF PLANS THAT ARE SUBMITTED TO PRELIMINARY DEVELOPMENT REVIEW (PDR) PROCESS DOES NOT NEGATE THE NEED TO ACQUIRE A TREE WORK PERMIT. TREE WORK PERMITS ARE HANDLED SOLELY BY THE MPRB AND NOT PART OF THE PDR PROCESS.
60. ANY ELECTRIC OUTLETS THAT ARE TO BE LOCATED WITHIN A PLANTING PIT TO BE APPROVED BY THE MPRB FORESTRY DIVISION. ELECTRICAL CONDUIT MAY NOT BE ATTACHED TO ANY PART OF A PUBLIC TREE. TWINKLE LIGHTS, THEIR METHOD OF ATTACHMENT AND DURATION OF DISPLAY MUST BE APPROVED BY THE MPRB FORESTRY DIVISION.
61. ALL PROPOSED WORK IN THE PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH THE CURRENT EDITION OF THE CITY OF MINNEAPOLIS STANDARD SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION AND MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION AND ITS ATTACHMENTS; FOR DETAILED INFORMATION RELATED TO CITY OF MINNEAPOLIS STANDARD SPECIFICATIONS, DETAILS AND STANDARD PLATES REFER TO THE FOLLOWING: [HTTP://WWW.MINNEAPOLISMN.GOV/PUBLICWORKS/PLATES/INDEX.HTM](http://www.minneapolismn.gov/publicworks/plates/index.htm)

LEGEND

- | | |
|---|--------------------------------|
|  | EXISTING PROPERTY LINE |
|  | LIMITS OF CONSTRUCTION |
|  | EXISTING GAS LINE |
|  | EXISTING STORM SEWER LINE |
|  | EXISTING CONTOUR LINE |
|  | EXISTING WATER LINE |
|  | EXISTING CURB LINE |
|  | EXISTING EASEMENT LINE |
|  | EXISTING UTILITY LINE |
|  | EXISTING IRON FENCE |
|  | EXISTING CATCH BASIN |
|  | EXISTING STORM MANHOLE |
|  | EXISTING UTILITY VAULT |
|  | EXISTING WATER GATEVALVE |
|  | EXISTING SIGN |
|  | EXISTING ELECTRIC MANHOLE |
|  | EXISTING HANDHOLE |
|  | EXISTING TREE |
|  | EXISTING TREE |
|  | EXISTING TREE TO BE REMOVED |
|  | PROPOSED CONTOUR |
|  | PROPOSED SPOT ELEVATION |
|  | DENOTES SURFACE DRAINAGE |
|  | PROPOSED STORM SEWER |
|  | PROPOSED CATCH BASIN |
|  | PROPOSED MANHOLE |
|  | SILT FENCE |
|  | EROSION CONTROL AT CB/MH |
|  | PROPOSED CONSTRUCTION ENTRANCE |
|  | PROPOSED PAVER |
|  | PROPOSED PAVER |

TEN X TEN

LANDSCAPE + URBANISM
807 Broadway St NE, Suite 221, 612.440.8369
Minneapolis, MN, 55413 tenxtenstudio.com

Pierce Pini & Associates

Civil Engineering Planning and Design
9298 Central Ave NE #312, 763. 537. 1311
Blaine, MN 55434 piercepln.com

LAKEWOOD CEMETERY

SECTION 1/1D MEMORIAL GARDENS

3610 HENNEPIN AVENUE
MINNEAPOLIS, MN 55408

[illegible]

24-022	EOS
Project Number	Drawn By

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

Signature

RHONDA S. PIERCE

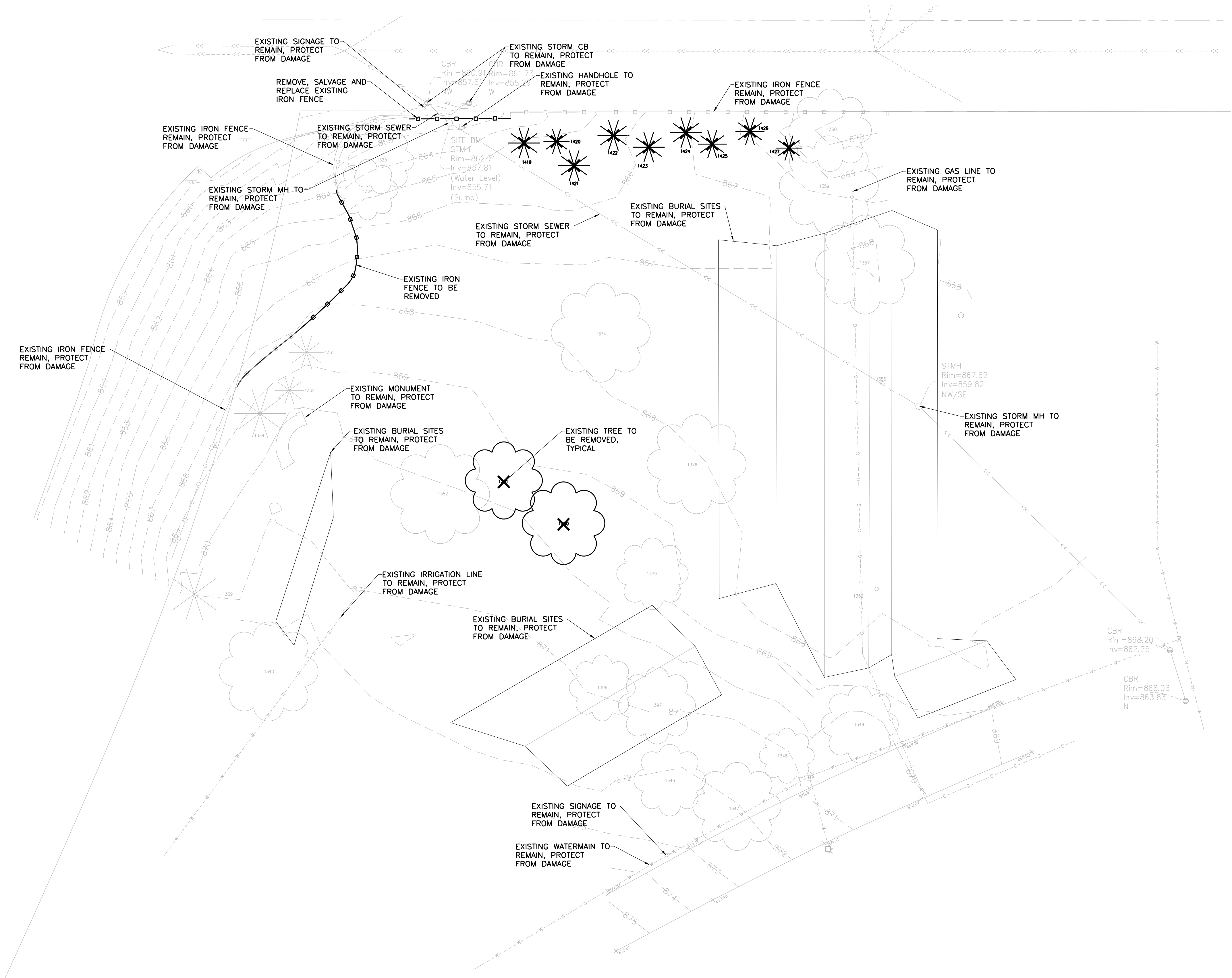
Typed or Printed Name

41333

Registration Number

GENERAL NOTES AND LEGEND

C100



LAKEWOOD CEMETERY

SECTION 1/1D MEMORIAL GARDENS

3610 HENNEPIN AVENUE
MINNEAPOLIS, MN 55408

A MCWD SUBMITTAL 2024.07.24

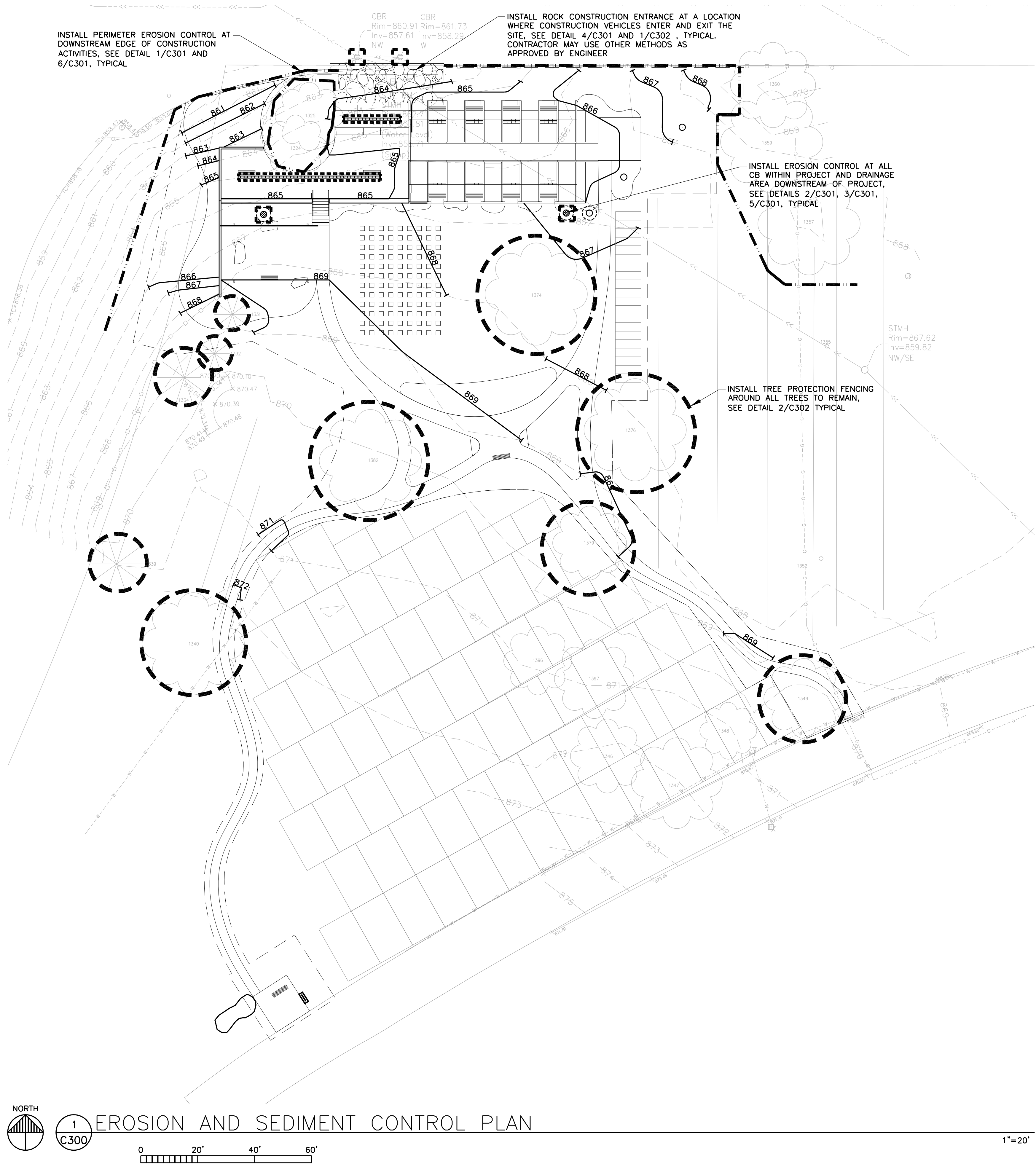
24-022 EOS
Project Number Drawn By

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

Signature
RHONDA S. PIERCE
Typed or Printed Name
41333
Registration Number

SITE DEMOLITION PLAN

C200



ACREAGE SUMMARY	
TOTAL SITE AREA	0.59 ACRES
TOTAL DISTURBED AREA	0.59 ACRES
ON-SITE DISTURBED AREA	0.59 ACRES
OFF-SITE DISTURBED AREA	0 ACRES
PROPOSED ON-SITE IMPERVIOUS AREA	0.18 ACRES
PROPOSED OFF-SITE IMPERVIOUS AREA	0 ACRES
EXISTING ON-SITE IMPERVIOUS AREA	0 ACRES
EXISTING OFF-SITE IMPERVIOUS AREA	0 ACRES

ESTIMATED BMP QUANTITIES	
SILT FENCE	260 LF
FILTER LOGS	300 LF
CATCH BASIN INSERTS	5 EA
ROCK CONSTRUCTION ENTRANCE	20 CY

NOTE: QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL DETERMINE FOR THEMSELVES THE EXACT QUANTITIES FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR THEIR BID AND CIVIL ENGINEER IS NOT RESPONSIBLE FOR COST ESTIMATES OR ACTUAL CONSTRUCTION COSTS.

CONTACT INFORMATION
OWNER
CONTACT PERSON, TITLE: ADDRESS: TELEPHONE: EMAIL:
PARTY RESPONSIBLE FOR LONG TERM MAINTENANCE
CONTACT PERSON, TITLE: ADDRESS: TELEPHONE: EMAIL:
CONTRACTOR
BUSINESS: CONTACT PERSON, TITLE: ADDRESS: TELEPHONE: EMAIL:
CONTRACTOR'S ONSITE REPRESENTATIVE
BUSINESS: CONTACT PERSON, TITLE: ADDRESS: TELEPHONE: EMAIL: ALTERNATE CONTACT: PHONE: EMAIL:

NOTE: CONTRACTOR'S ONSITE REPRESENTATIVE SHALL COMPLETE THE ABOVE CONTACT INFORMATION. THE COMPLETED INFORMATION NEEDS TO BE ON THE PLAN SET KEPT IN THE CONSTRUCTION TRAILER. THIS INFORMATION SHALL ALSO BE PROVIDED TO THE OWNER AND CIVIL ENGINEER.

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LAKEWOOD CEMETERY

SECTION 1/1D MEMORIAL GARDENS

3610 HENNEPIN AVENUE
MINNEAPOLIS, MN 55408

A MCWD SUBMITTAL 2024.07.24

24-022 Project Number EOS Drawn By

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

Signature
RHONDA S. PIERCE
Typed or Printed Name
41333
Registration Number

EROSION AND SEDIMENT
CONTROL PLAN

C300

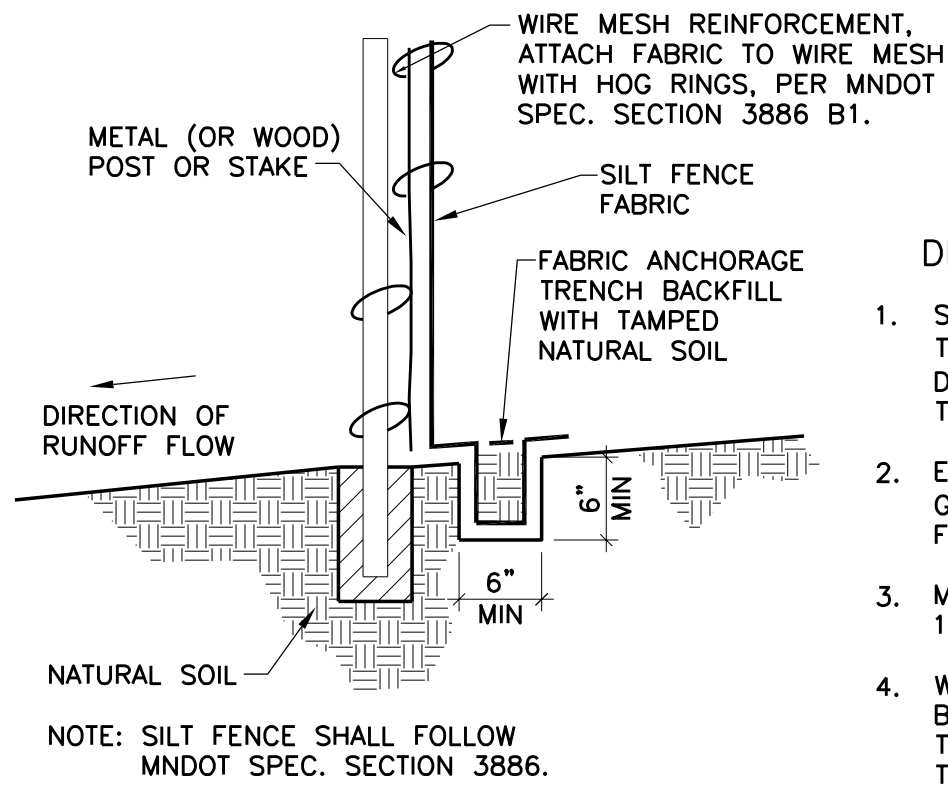


FIGURE 1 TYPICAL INSTALLATION FOR SILT FENCE

TABLE 1 MAXIMUM SLOPE LENGTH AND SLOPE FOR WHICH SILT FENCE IS APPLICABLE

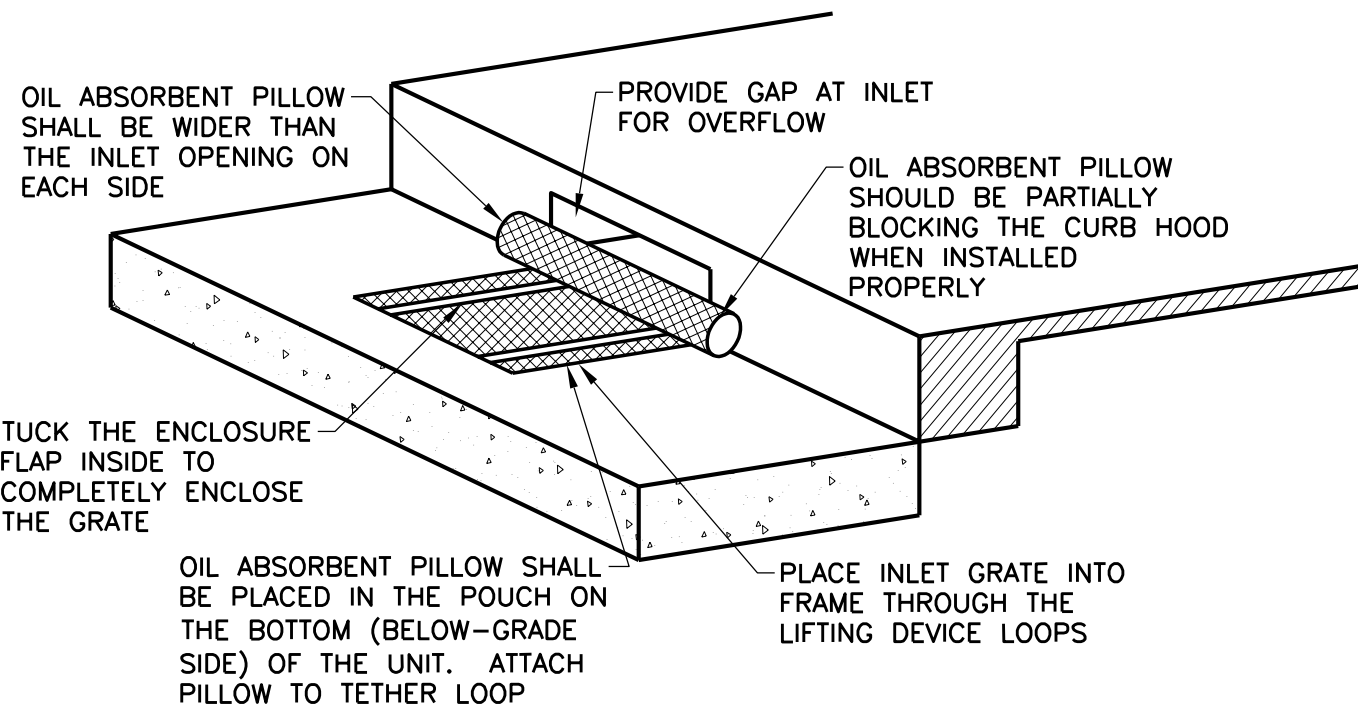
		BY CALCULATION	BY CALCULATION	BY ACCEPTED DESIGN PRACTICES
SLOPE H:V	PERCENT	SILT FENCE STORAGE EQUALS 2 FT FOR A 100-YEAR EVENT	SILT FENCE STORAGE EQUALS 2 FT FOR A 2-YEAR EVENT OR 3 FT FOR A 100-YEAR EVENT	MAXIMUM SLOPE LENGTH
100:1	1%	400 FT	900 FT	100 FT
50:1	2%	200 FT	450 FT	75 FT
25:1	4%	100 FT	225 FT	75 FT
20:1	5%	80 FT	180 FT	75-50 FT
17:1	6%	67 FT	150 FT	50 FT
12.5:1	8%	50 FT	112 FT	50 FT
10:1	10%	40 FT	90 FT	50-25 FT
5:1	20%	20 FT	45 FT	25-15 FT
4:1	25%	16 FT	36 FT	15 FT
3:1	33%	12 FT	27 FT	15 FT
2:1	50%	8 FT	18 FT	15 FT

DESIGN RECOMMENDATIONS

- SILT FENCES SHOULD BE INSTALLED ON THE CONTOUR (AS OPPOSED TO UP AND DOWN A HILL) AND CONSTRUCTED SO THAT FLOW CANNOT BYPASS THE ENDS.
- ENSURE THAT THE DRAINAGE AREA IS NO GREATER THAN 1/4 ACRE PER 100 FT OF FENCE.
- MAKE THE FENCE STABLE FOR THE 10-YEAR PEAK STORM RUNOFF.
- WHERE ALL RUNOFF IS TO BE STORED BEHIND THE SILT FENCE, ENSURE THAT THE MAXIMUM SLOPE LENGTH BEHIND THE FENCE DOES NOT EXCEED THE SPECIFICATIONS SHOWN IN TABLE 1.

NOTES:

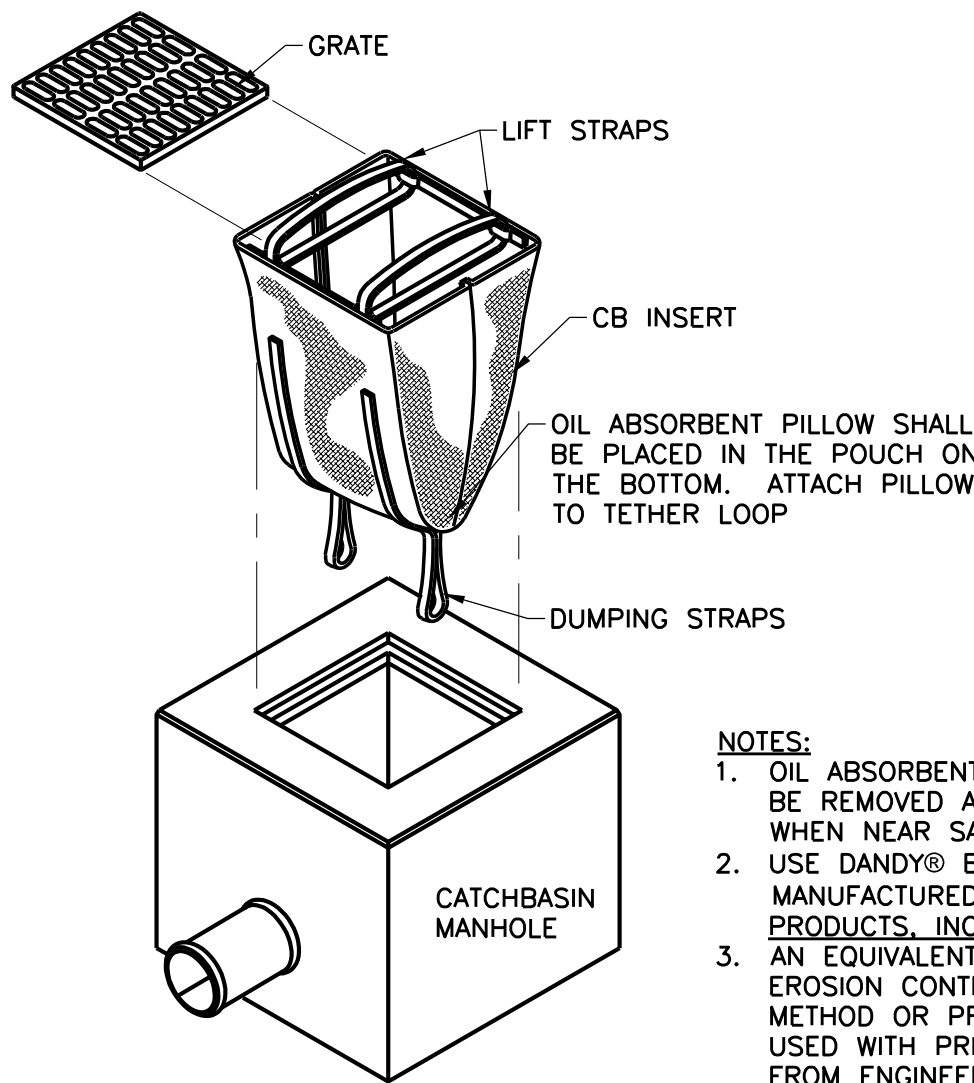
- OIL ABSORBENT PILLOW SHALL BE REMOVED AND REPLACED WHEN NEAR SATURATION.
- PROVIDE BEAVER DAM AS MANUFACTURED BY DANDY PRODUCTS, INC.®
- AN EQUIVALENT CURB INLET EROSION CONTROL METHOD OR PRODUCT MAY BE USED WITH APPROVAL FROM ENGINEER.



2 OIL ABSORBENT PILLOW

C301

NO SCALE



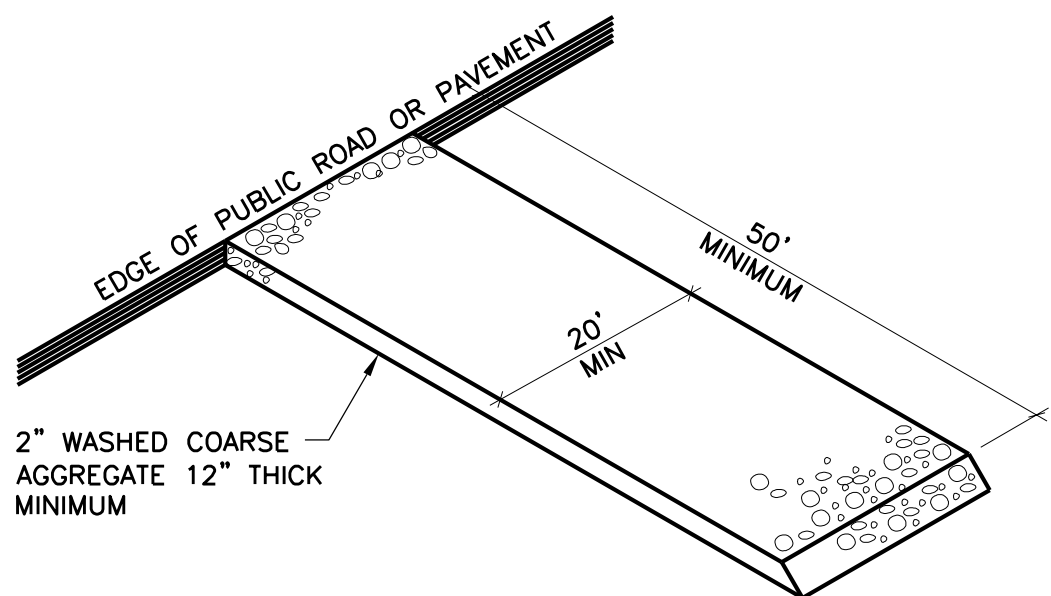
NOTES:

- OIL ABSORBENT PILLOW SHALL BE REMOVED AND REPLACED WHEN NEAR SATURATION.
- USE DANDY® BAG II AS MANUFACTURED BY DANDY® PRODUCTS, INC.
- AN EQUIVALENT CATCHBASIN EROSION CONTROL INSERT METHOD OR PRODUCT MAY BE USED WITH PRIOR APPROVAL FROM ENGINEER.

3 CB INSERT EROSION CONTROL

C301

NO SCALE



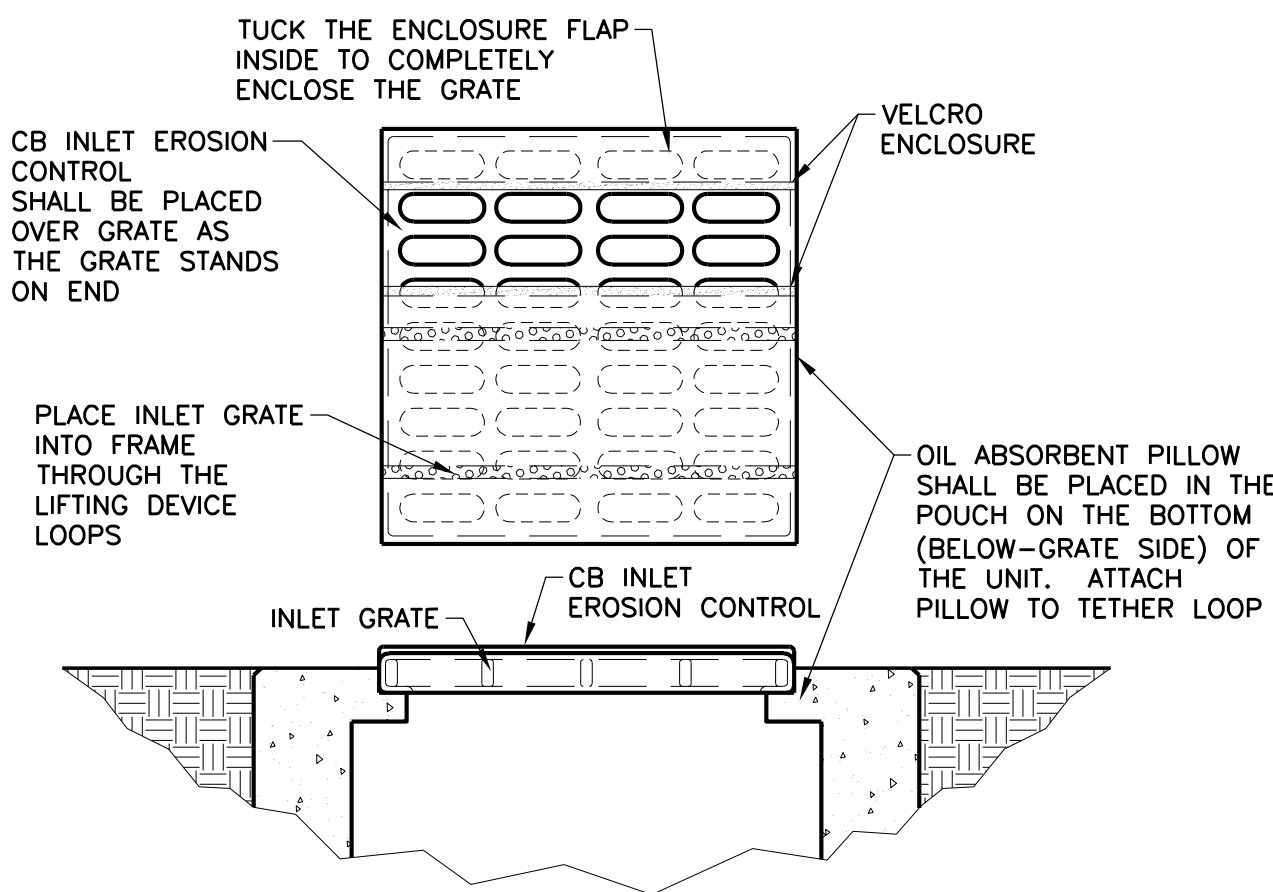
4 GRAVEL CONSTRUCTION ENTRANCE

C301

NO SCALE

NOTES:

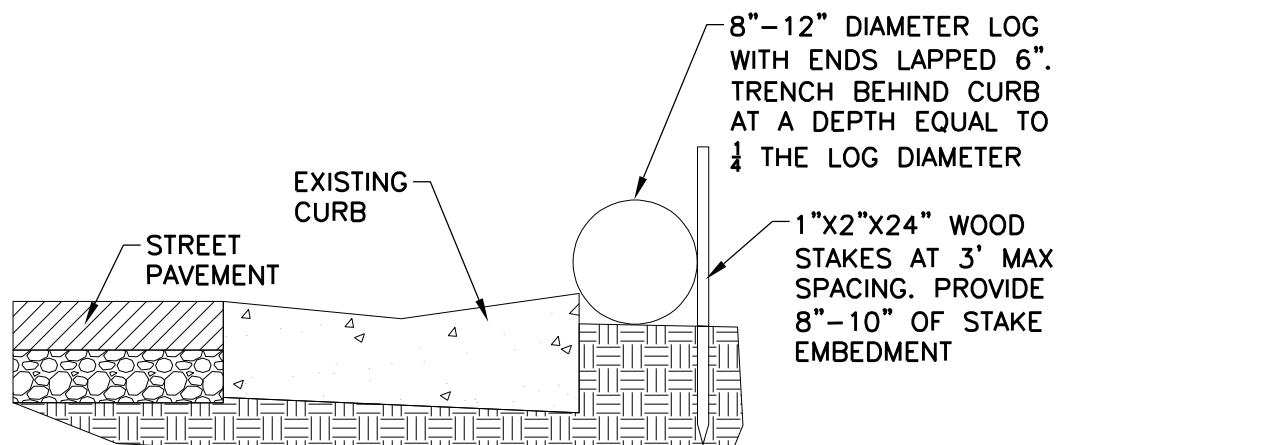
- OIL ABSORBENT PILLOW SHALL BE REMOVED AND REPLACED WHEN NEAR SATURATION.
- USE DANDY BAG AS MANUFACTURED BY DANDY PRODUCTS, INC.®
- AN EQUIVALENT CATCHBASIN EROSION CONTROL INSERT METHOD OR PRODUCT MAY BE USED WITH PRIOR APPROVAL FROM ENGINEER.



5 CB INLET EROSION CONTROL

C301

NO SCALE



CURB INSTALLATION

- 1"x2"x24" WOOD STAKES AT 3' MAX SPACING. STAKES SHALL BE DRIVEN OVER LOG AT A 45° ANGLE WITH TOP OF STAKE POINTING UPSTREAM. PROVIDE 8"-10" OF STAKE EMBEDMENT
- 8"-12" DIAMETER LOG WITH ENDS LAPPED 6". FOR INSTALLATION ON BARE SOIL PLACE LOG IN A SMOOTH, ROUNDED TRENCH WITH A DEPTH EQUAL TO 1/4 THE LOG DIAMETER

FIELD INSTALLATION USING MULCH OR COMPOST

- 1"x2"x24" WOOD STAKES AT 3' MAX SPACING. STAKES SHALL BE DRIVEN THROUGH BACK HALF OF LOG AT A 45° ANGLE WITH TOP OF STAKE POINTING UPSTREAM. PROVIDE 8"-10" OF STAKE EMBEDMENT
- 8"-12" DIAMETER LOG WITH ENDS LAPPED 6". FOR INSTALLATION ON BARE SOIL PLACE LOG IN A SMOOTH, ROUNDED TRENCH WITH A DEPTH EQUAL TO 1/4 THE LOG DIAMETER

FIELD INSTALLATION USING STRAW OR WOOD FIBER

6 SEDIMENT CONTROL FILTER LOG

C301

NO SCALE

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tenxstudio.com

Pierce Pini & Associates

Civil Engineering Planning and Design
9298 Central Ave NE #312,
Blaine, MN 55434
763.537.1311
piercepini.com

LAKESWOOD CEMETERY

SECTION 1/1D MEMORIAL GARDENS

3610 HENNEPIN AVENUE
MINNEAPOLIS, MN 55408

A MCWD SUBMITTAL 2024.07.24

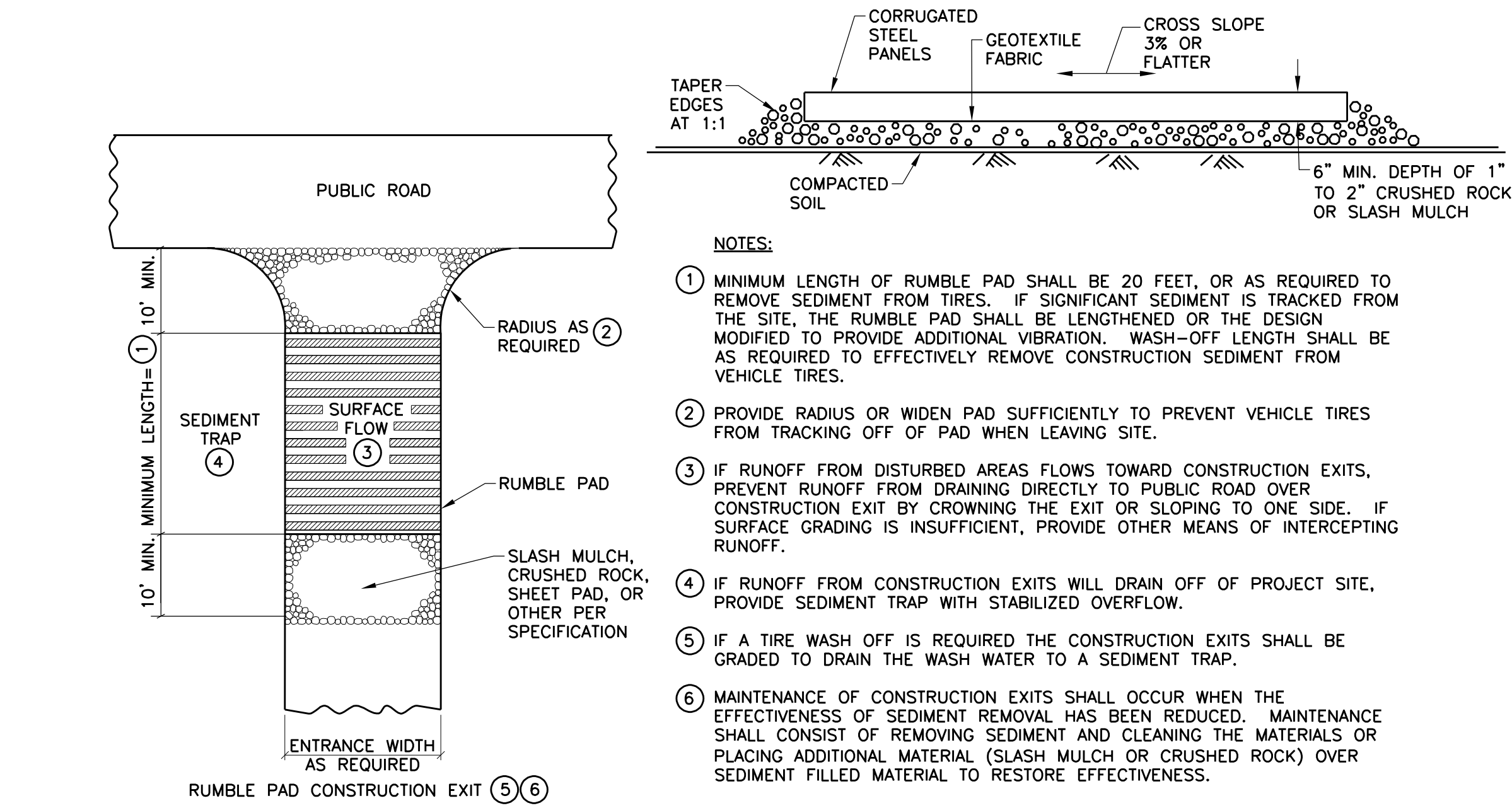
24-022 EOS
Project Number Drawn By

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

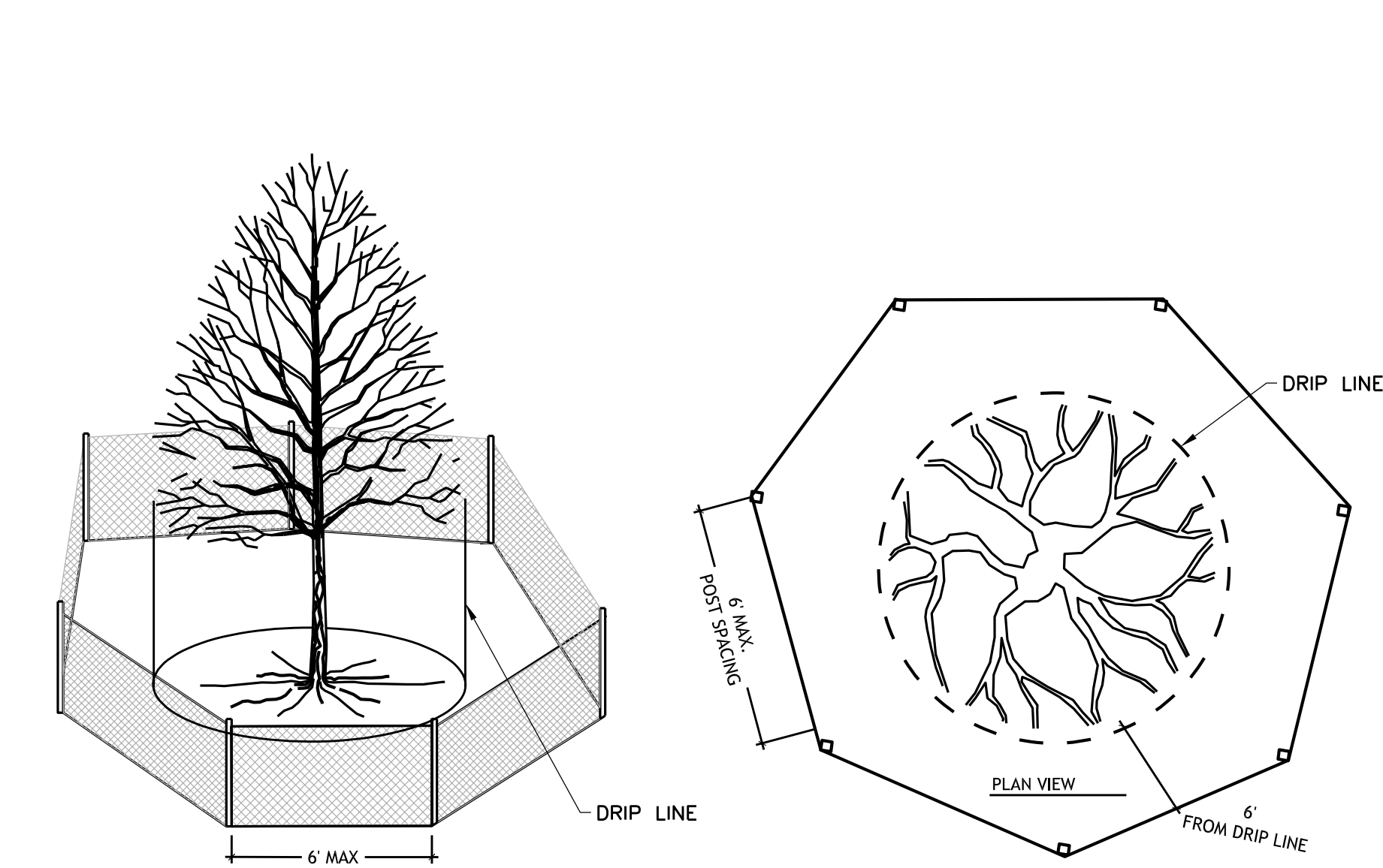
Signature
RHONDA S. PIERCE
Typed or Printed Name
41333
Registration Number

EROSION CONTROL DETAILS

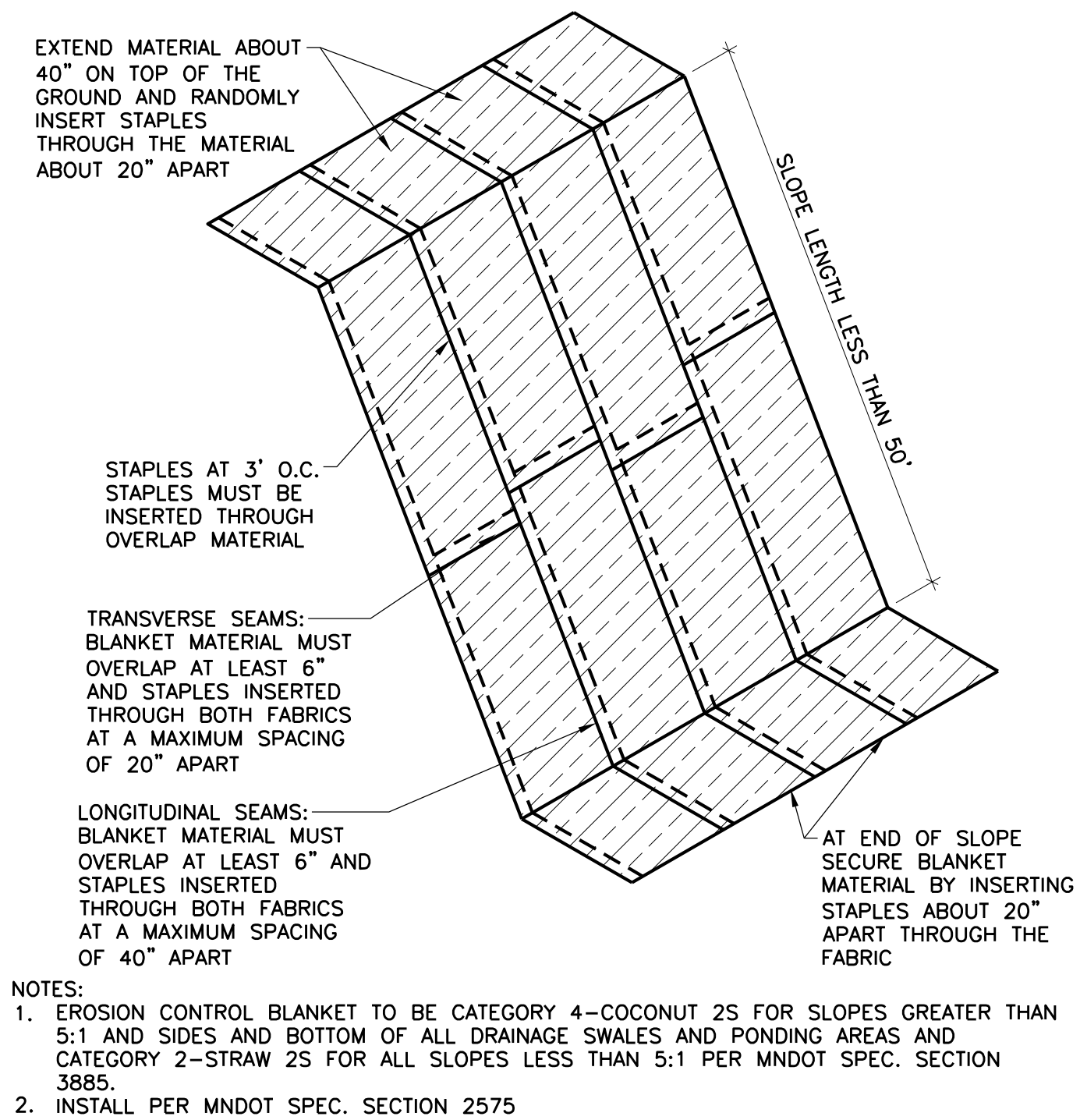
C301



1 RUMBLE PAD CONSTRUCTION EXIT
C302 NO SCALE



2 TREE PROTECTION DETAIL
C302



3 EROSION CONTROL BLANKET
C302 NO SCALE

LAKESWOOD CEMETERY

SECTION 1/1D MEMORIAL GARDENS

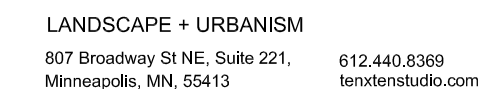
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MINNEAPOLIS, MN 55408

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24-022 EOS
Project Number Drawn By

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Signature
RHONDA S. PIERCE
Typed or Printed Name
41333
Registration Number



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Blaine, MN 55434 piercepini.com

SECTION 1/1D
MEMORIAL GARDENS

3610 HENNEPIN AVENUE
MINNEAPOLIS, MN 55408

[illegible]

24-022	EOS
Project Number	Drawn By

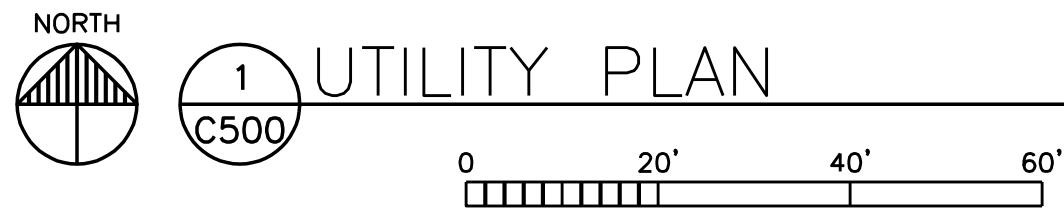
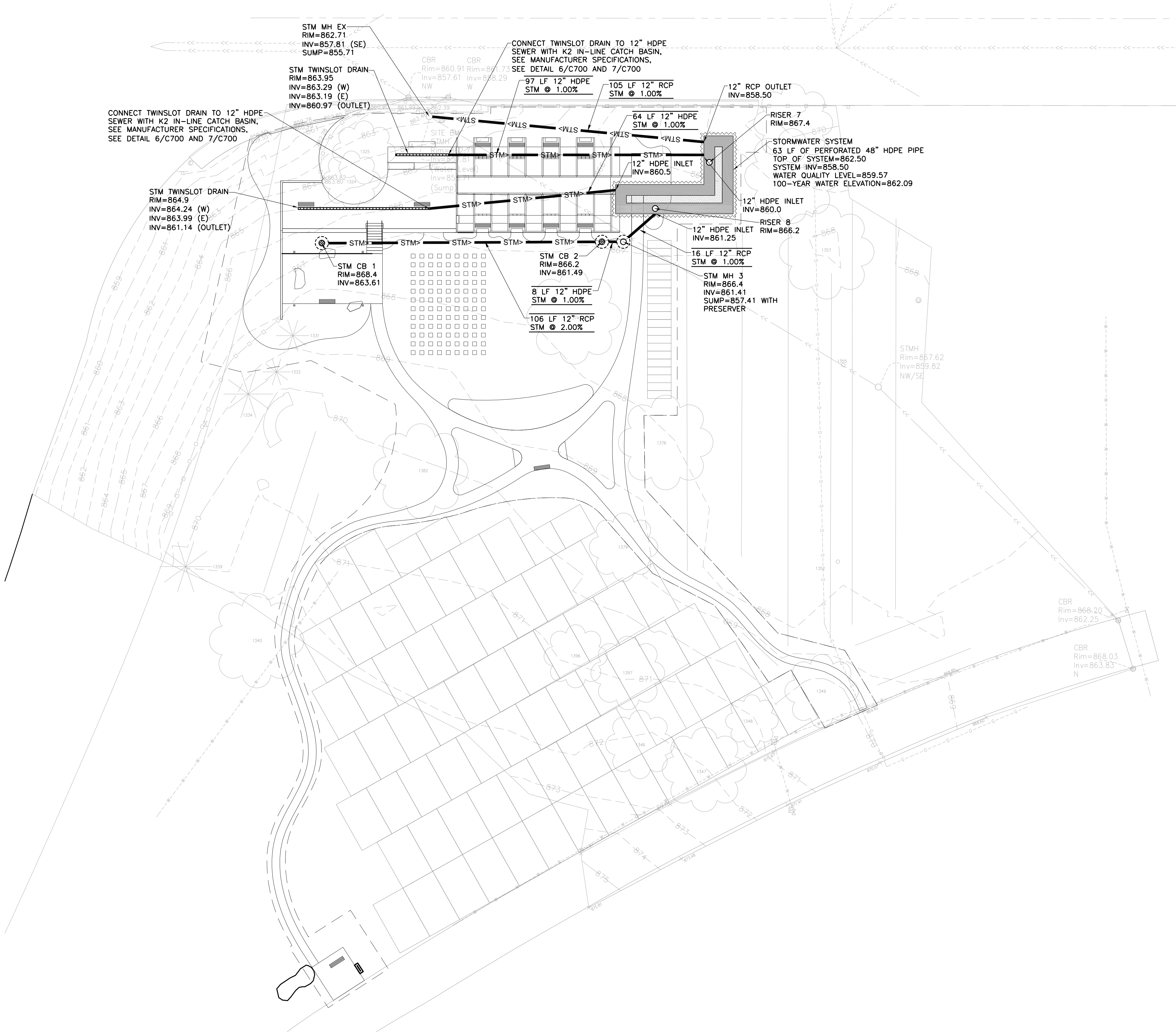
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RHONDA S. PIERCE
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Registration Number

GRADING AND DRAINAGE PLAN

C400





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LAKEWOOD CEMETERY

SECTION 1/1D
MEMORIAL GARDENS

3610 HENNEPIN AVENUE
MINNEAPOLIS, MN 55408

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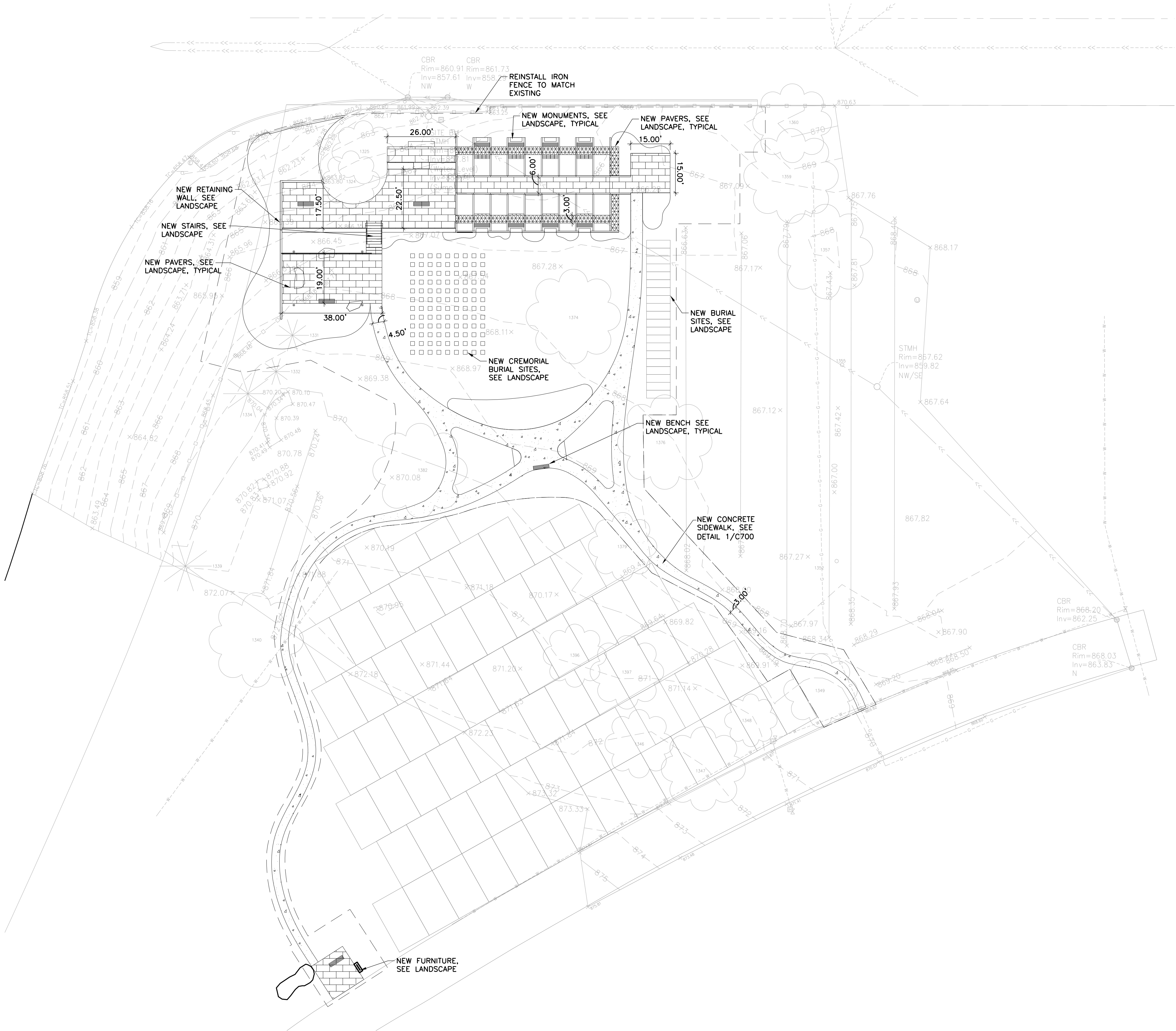
24-022 Project Number EOS Drawn By

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Typed or Printed Name
41333
Registration Number

UTILITY PLAN

C500



LAKEWOOD CEMETERY

SECTION 1/1D MEMORIAL GARDENS

3610 HENNEPIN AVENUE
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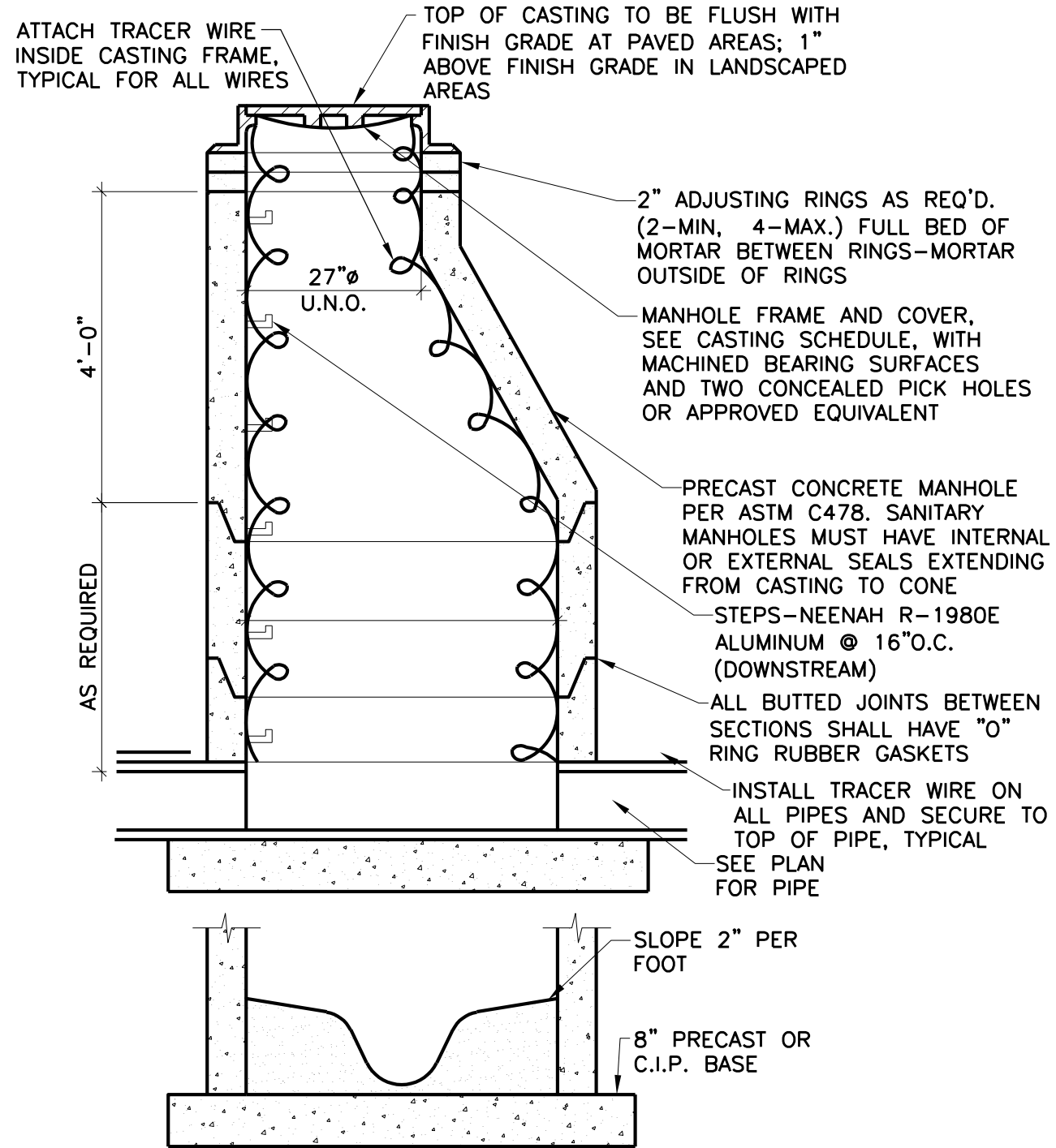
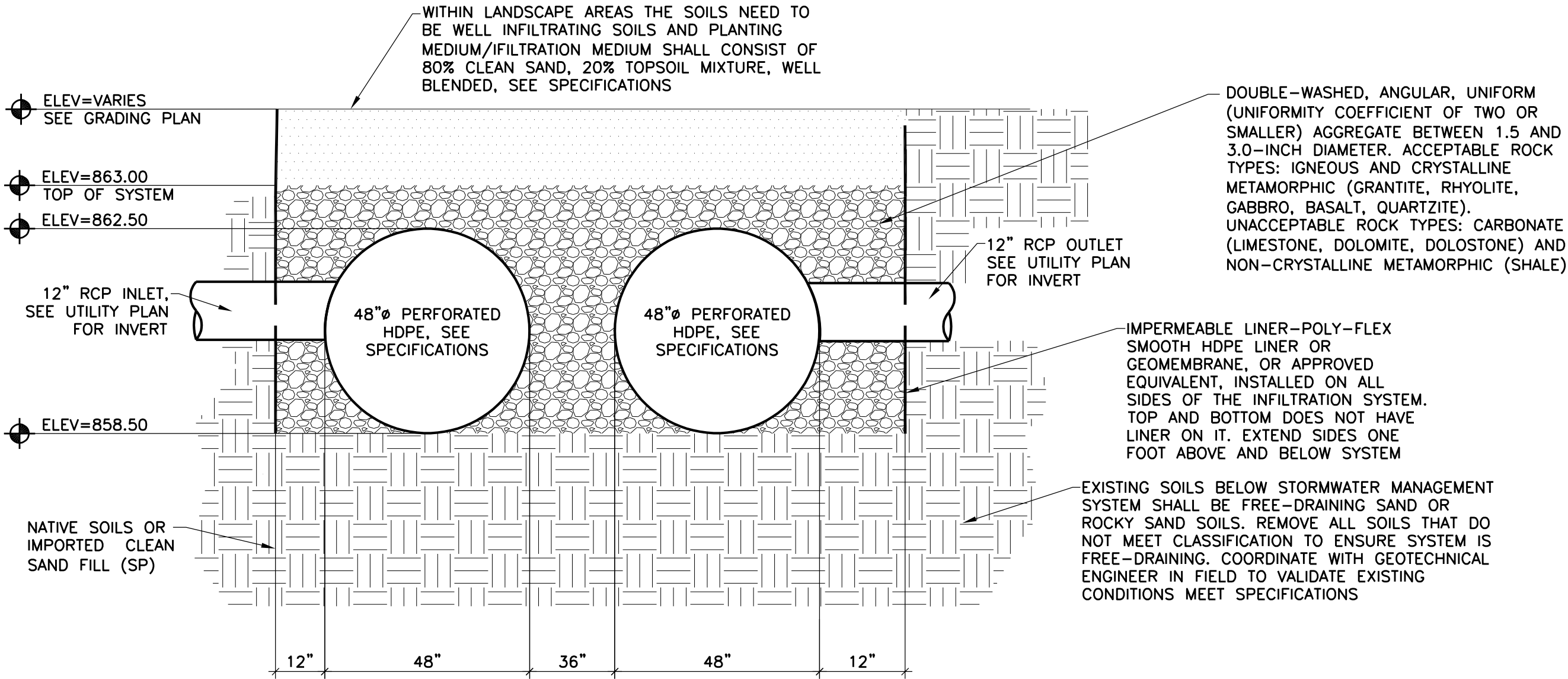
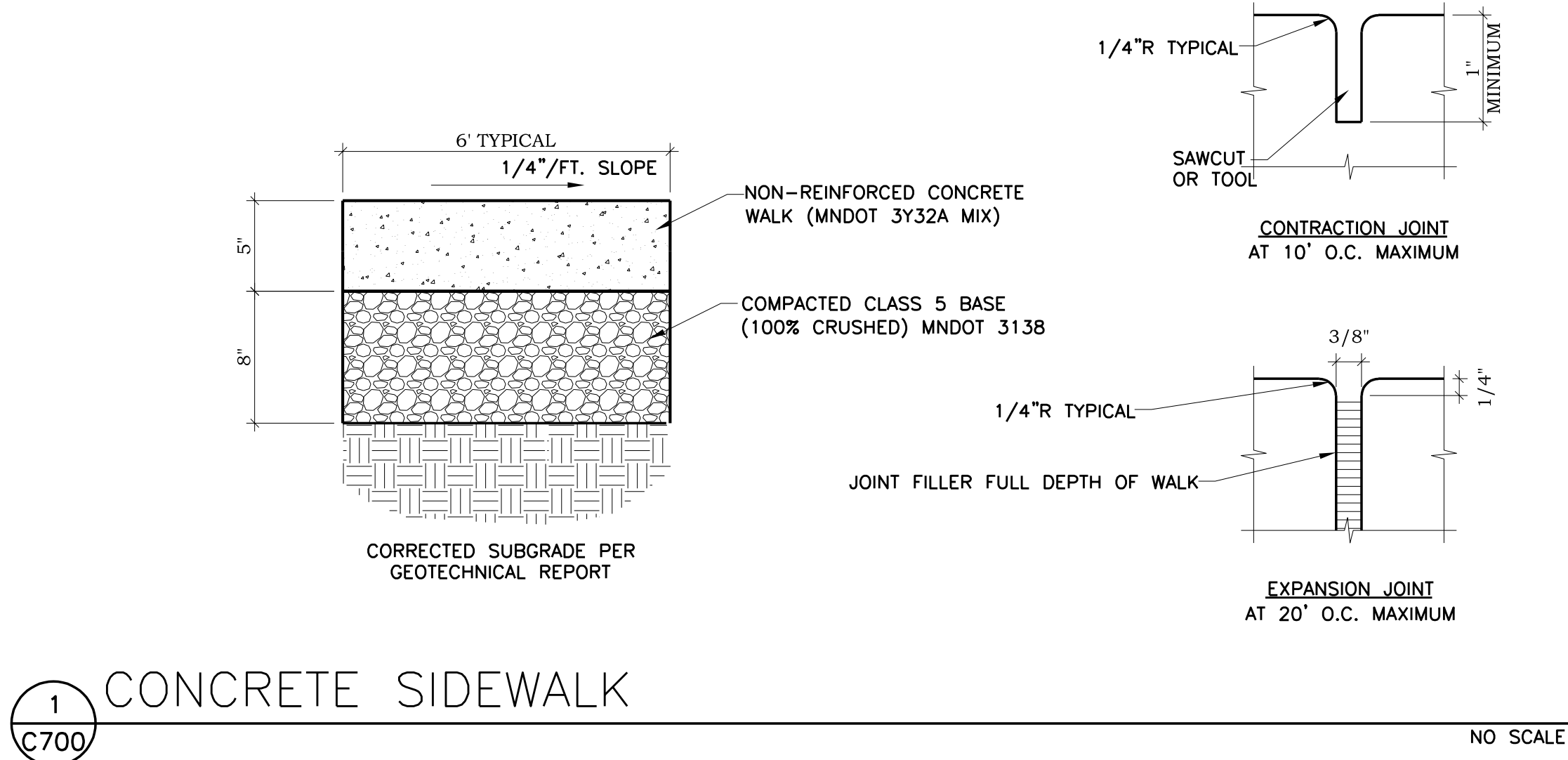
24-022 Project Number EOS Drawn By

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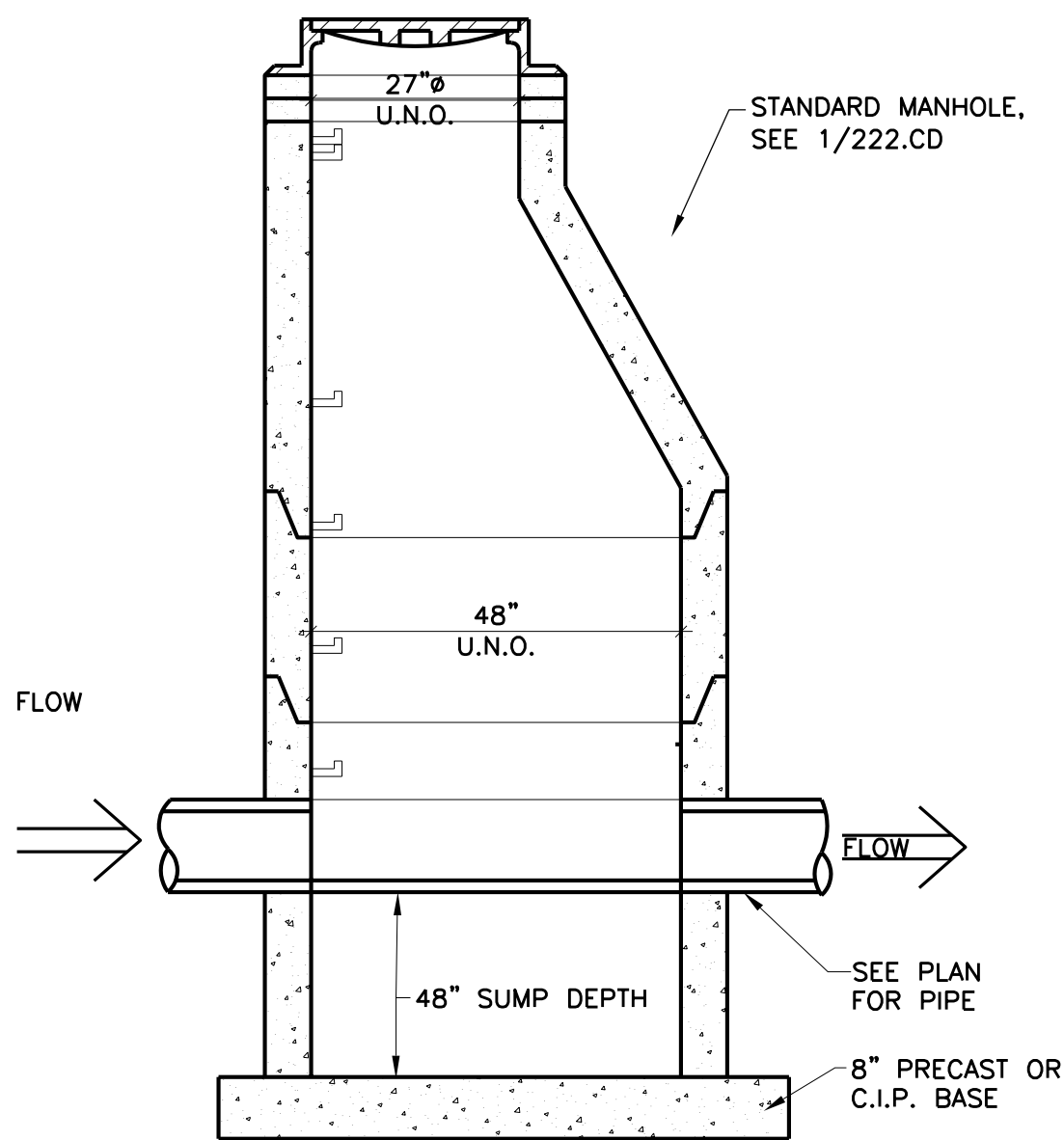
SITE LAYOUT AND PAVING PLAN

C600

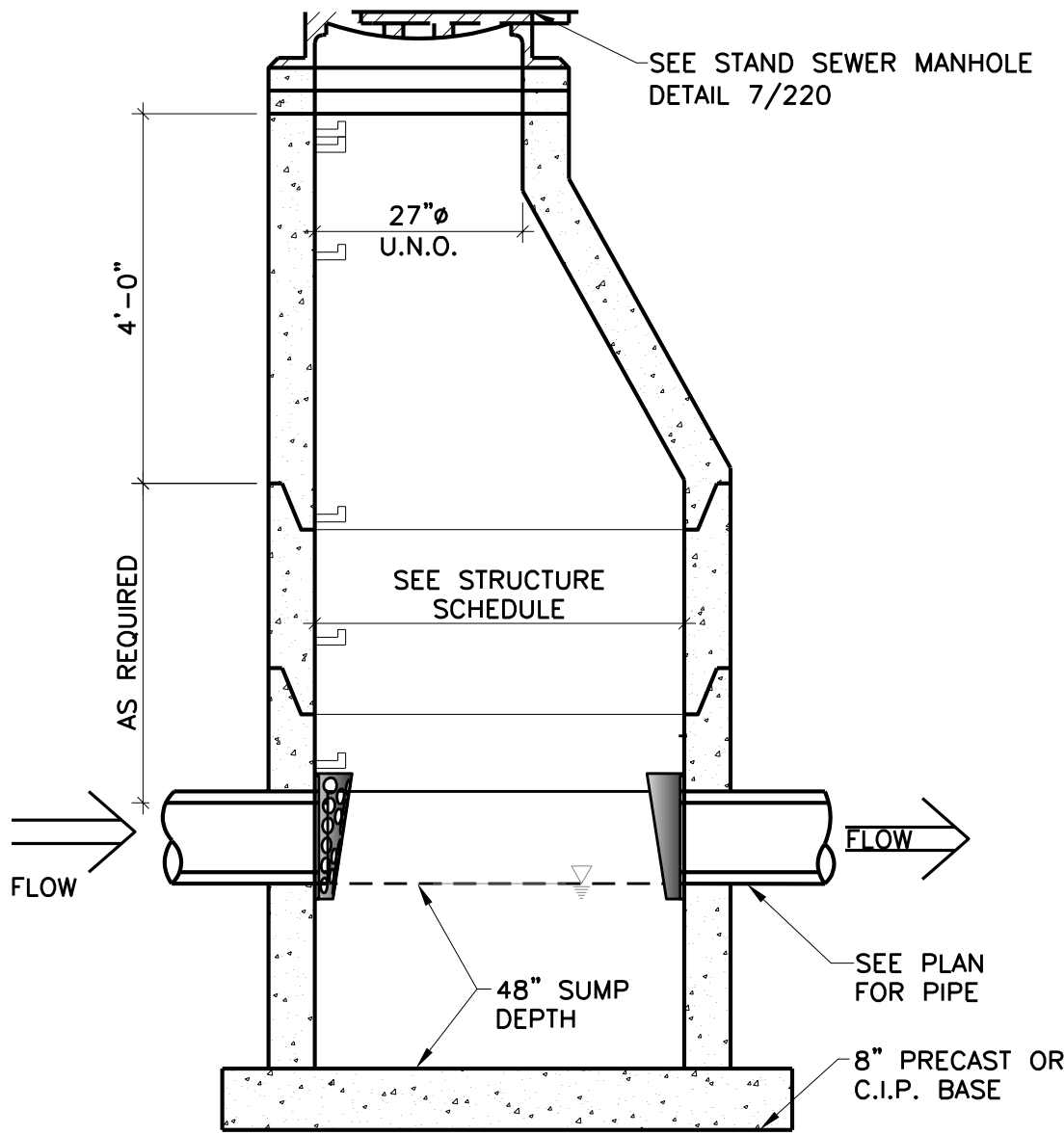


- NOTES:
- MANHOLES 8' OR DEEPER - THE PRECAST SECTION IMMEDIATELY BELOW THE CONCRETE SECTION SHALL BE 1'-0" HIGH.
 - PROVIDE STEPS IN MANHOLES OVER 4'-0" IN DEPTH.
 - REINFORCING SHALL BE A MINIMUM OF A SINGLE LINE WIRE FABRIC HAVING AN AREA OF NOT LESS THAN 0.12 SQ. IN. PER FOOT OF HEIGHT.
 - PROVIDE SNAP-IN BOOT AT ALL SANITARY SEWER CONNECTIONS TO MANHOLES.
 - ALL STORM SEWER PIPING RUNS SHALL USE RESILIENT RUBBER JOINTS AT PIPE CONNECTIONS TO CATCH BASINS FOR WATERTIGHT CONNECTION PER PLUMBING CODE.

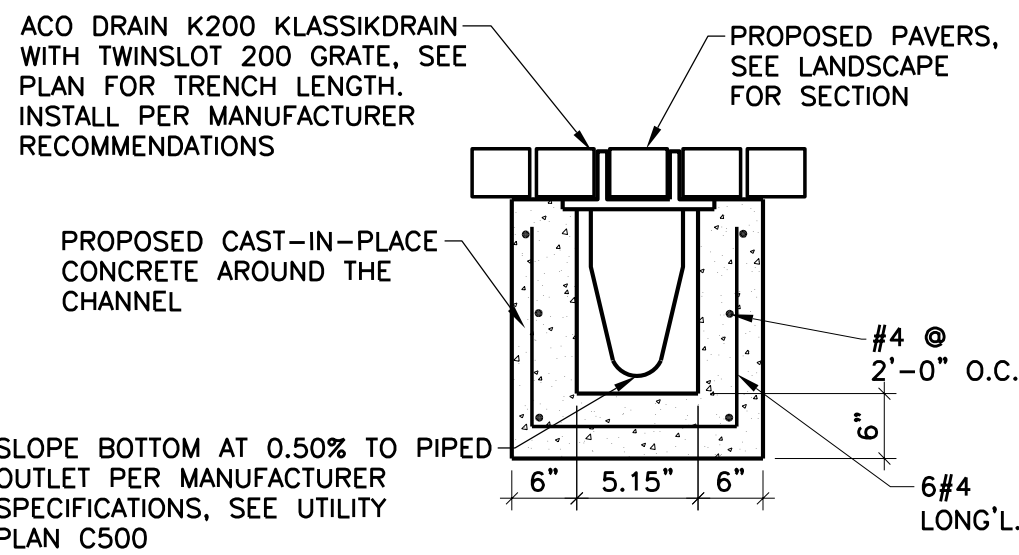
3 STANDARD SEWER MANHOLE
C700 NO SCALE



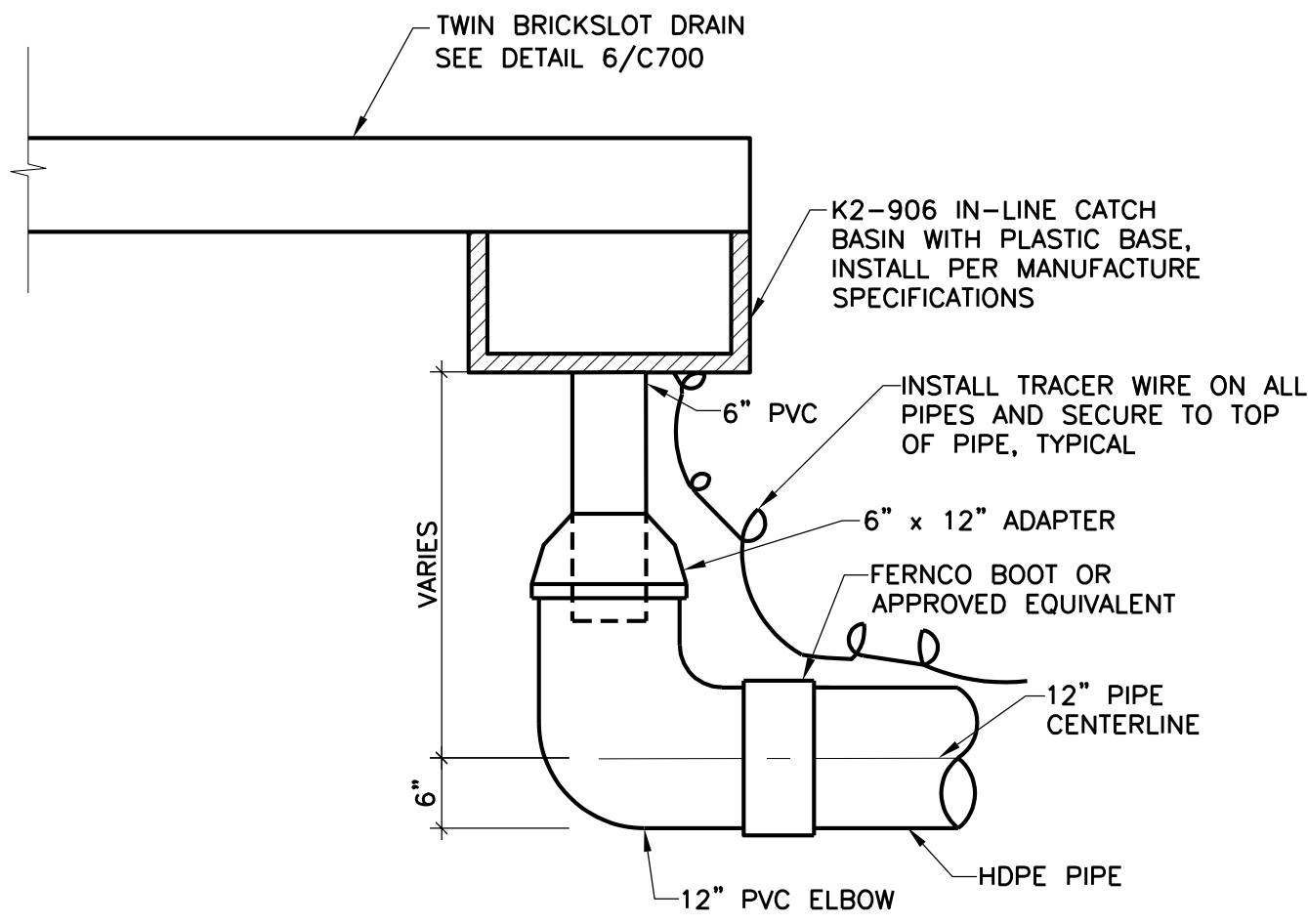
4 MANHOLE WITH SUMP
C700 NO SCALE



5 MANHOLE WITH PRESERVER
C700 NO SCALE



6 TWIN BRICKSLOT DRAIN
C700 NO SCALE



7 TRENCH DRAIN OUTLET
C700 NO SCALE

TEN X TEN

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Blaine, MN 55434 piercepini.com

LAKEWOOD CEMETERY

SECTION 1/1D
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MINNEAPOLIS, MN 55408

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CIVIL DETAILS

C700