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2025 POND MAINTENANCE

CITY PROJECT #WR259001

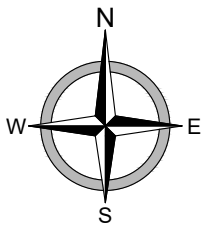
PLYMOUTH, MINNESOTA



VICINITY MAP



SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
G-001	COVER
C-001	LEGEND
C-002	GENERAL NOTES
C-101	SITE ACCESS AND TEMPORARY EROSION CONTROL
C-201	DETAILS
C-601	PLAN AND PROFILE
C-602	TURF RESTORATION PLAN



PROJECT No. 24343

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

Daniel T. Elemes
DANIEL T. ELEMES

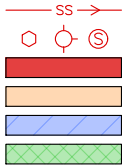
DATE: 10.31.2024 LIC. NO. 55420

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EXISTING	
	BENCHMARK
	IRON MONUMENT FOUND
	EXISTING PROPERTY LINE
	EXISTING PLAT LOT LINE
	EXISTING RIGHT OF WAY LINE
	EXISTING EASEMENT LINE
	EXISTING PLAT EASEMENT LINE
	EXISTING GAS LINE MARKER
	EXISTING GAS GATE VALVE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING LIGHT POLE W/SIGN
	EXISTING GUY WIRE
	EXISTING TRAFFIC SIGNAL ARM
	EXISTING SIGN
	EXISTING CULVERT W/FLARED END SECTION (F.E.S.)
	EXISTING FLARED END SECTION (F.E.S.)
	EXISTING CURB STOP
	EXISTING HYDRANT W/GATE VALVE
	EXISTING GATE VALVE
	EXISTING PROPANE TANK
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER CLEANOUT
	EXISTING STORM SEWER CATCH BASIN
	EXISTING STORM SEWER MANHOLE
	EXISTING WATER MAIN
	EXISTING WATER SERVICE W/CURB STOP
	EXISTING SANITARY SEWER
	EXISTING SANITARY SEWER (RELINE W/ CIPP)
	EXISTING SANITARY FORCEMAIN
	EXISTING SANITARY SEWER SERVICE
	EXISTING STORM SEWER
	EXISTING STORM SEWER FORCEMAIN
	EXISTING STEAM PIPE
	EXISTING AIR CONDITIONER
	EXISTING UTILITY PEDESTAL
	EXISTING UTILITY MANHOLE
	EXISTING UTILITY VAULT
	EXISTING UNDERGROUND COMMUNICATIONS
	EXISTING UNDERGROUND FIBER
	EXISTING UNDERGROUND TELEPHONE
	EXISTING OVERHEAD TELEPHONE
	EXISTING UNDERGROUND TELEVISION
	EXISTING OVERHEAD TELEVISION
	EXISTING UNDERGROUND GAS
	EXISTING UNDERGROUND ELECTRIC
	EXISTING OVERHEAD POWER
	EXISTING BARBED WIRE FENCE
	EXISTING CHAIN LINK/STEEL FENCE
	EXISTING PVC/WOOD FENCE
	EXISTING RAILROAD
	EXISTING SHRUB
	EXISTING STUMP
	EXISTING BOULDER
	EXISTING TREE/TREE CLUSTER
	EXISTING SPRINKLER HEAD
	EXISTING CLUSTER BOX UNIT (CBU)
	EXISTING MAILBOX
	EXISTING CURB AND GUTTER

PROPOSED	
	NEW PROPERTY LINE
	NEW PLAT LOT LINE
	NEW RIGHT OF WAY LINE
	NEW EASEMENT LINE
	NEW PLAT EASEMENT LINE
	CONSTRUCTION EASEMENT
	CONSTRUCTION LIMITS
	NEW LIGHT POLE
	NEW LIGHT POLE W/SIGN
	NEW GUY WIRE
	NEW SIGN
	TRAFFIC CONTROL - DRUM
	TRAFFIC CONTROL - TUBULAR MARKER
	NEW CULVERT W/FLARED END SECTION (F.E.S.)
	NEW FLARED END SECTION (F.E.S.)
	NEW CURB STOP
	NEW HYDRANT W/GATE VALVE
	NEW GATE VALVE
	NEW TAPPING SLEEVE
	NEW FITTINGS
	NEW PLUG
	NEW SANITARY SEWER MANHOLE
	NEW SANITARY SEWER CLEANOUT
	NEW STORM SEWER CATCH BASIN
	NEW STORM SEWER MANHOLE
	NEW WATER MAIN
	NEW WATER SERVICE W/CURB STOP (S.B. ELEV.)
	NEW SANITARY SEWER
	NEW SANITARY FORCEMAIN
	NEW SANITARY SEWER SERVICE (S.S. ELEV.)
	NEW STORM SEWER
	NEW STORM SEWER FORCEMAIN
	NEW STEAM PIPE
	INSULATION PER DETAIL
	NEW BARBED WIRE FENCE
	NEW CHAIN LINK/STEEL FENCE
	NEW PVC/WOOD FENCE
	NEW CLUSTER BOX UNIT (CBU)
	NEW MAILBOX
	NEW LARGE DECIDUOUS TREE
	NEW SMALL DECIDUOUS TREE
	NEW SHRUB
	NEW LARGE EVERGREEN TREE
	NEW SMALL EVERGREEN TREE

CIVIL LEGEND



REMOVALS

INDICATES REMOVAL

- REMOVE CURB AND GUTTER
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE AGGREGATE SURFACE

PAVEMENT REHAB

- UNIFORM MILL & OVERLAY
- TAPERED MILL & OVERLAY
- LEVELING COURSE
- RECLAIM
- ASPHALT PATCH
- CHIP SEAL

PAVEMENT

- NEW INFLOW CURB AND GUTTER
- NEW OUTFLOW CURB AND GUTTER
- NEW ASPHALT SURFACE
- NEW CONCRETE SURFACE
- NEW GRANULAR SURFACE
- NEW CRUSHED CONCRETE SURFACE
- NEW DECORATIVE COLORED CONCRETE
- NEW ASPHALT SIDEWALK/MULTI-USE PATH
- NEW CONCRETE SIDEWALK/MULTI-USE PATH
- NEW CONCRETE APPROACH/DRIVEWAY
- NEW DETECTABLE WARNING PANEL
- NEW GRAVEL APPROACH/DRIVEWAY
- NEW CONCRETE VALLEY GUTTER
- NEW MEDIAN NOSE APRON
- NEW ADA RAMP W/WARNING PANEL

SOIL DISTURBANCE

- DISTURBANCE AREA / TOPSOIL REMOVAL
- REMOVE STOCKPILE
- EXISTING STOCKPILE
- TEMPORARY STOCKPILE
- PERMANENT STOCKPILE
- REAR YARD GRADING
- GRASS BUFFER STRIP

SOIL STABILIZATION

- DISTURBED SOIL STABILIZATION
- STRAW MULCH
- SEEDING & STRAW MULCH
- SEEDING & HYDRO MULCH
- TOPSOIL, SEEDING & STRAW MULCH
- TOPSOIL, SEEDING & HYDRO MULCH
- TOPSOIL, SEEDING & BLANKET

MISCELLANEOUS

- EXISTING RIPRAP
- NEW RIPRAP
- EXISTING LANDSCAPING AREA
- NEW LANDSCAPING AREA
- EXISTING WATER SURFACE
- NEW WATER SURFACE
- EXISTING WETLAND

EROSION CONTROL

- DRAINAGE BREAK LINE
- EXISTING DRAINAGE DIRECTION
- FINISHED DRAINAGE DIRECTION & SLOPE
- FINISHED GRADE
- EXISTING CONTOUR ELEVATION
- FINISHED CONTOUR ELEVATION
- GRADE ELEVATIONS
- SEDIMENTATION CONTROL WATTLE
- SEDIMENTATION CONTROL FENCE
- ROCK CHECK
- STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT
- INLET PROTECTION DEVICE

ABBREVIATIONS:

- BOC = BACK OF CURB
- BOW = BACK OF WALK
- C = COMMUNICATION
- CB# = STORM SEWER CATCH BASIN
- CIPP = CURED IN PLACE PIPE
- CL = CENTERLINE
- CSP = CORRUGATED STEEL PIPE
- CO# = SANITARY SEWER CLEANOUT
- CS# = CONTROL STRUCTURE
- DIA = DIAMETER
- DIP = DUCTILE IRON PIPE
- E = ELECTRICAL
- ECC = EDGE OF CRUSHED CONCRETE
- EG = EXISTING GRADE
- EOC = EDGE OF CONCRETE
- EOG = EDGE OF GRAVEL
- EOP = EDGE OF PAVEMENT
- EOW = EDGE OF WALK
- EX = EXISTING
- F = FIBER OPTIC
- FES = FLARED END SECTION
- FG = FINISHED GRADE
- FL = FLOWLINE
- FM = FORCEMAIN
- G = GAS LINE
- HP = HIGH POINT
- INV = INVERT
- LP = LOW POINT
- MA = MATCH
- M# = STORM SEWER MANHOLE
- MT# = STORM SEWER TEE MANHOLE
- MM# = STORM SEWER MULTI-MANHOLE
- MC = MIDPOINT OF CURVE
- OHP = OVERHEAD POWER
- OHT = OVERHEAD TELEPHONE
- OHTV = OVERHEAD TELEVISION
- PC = POINT OF CURVATURE
- PRC = POINT OF REVERSE CURVE
- PVC = POLYVINYL CHLORIDE PIPE
- PT = POINT OF TANGENCY
- RIM = RIM OF STRUCTURE
- S# = SANITARY SEWER MANHOLE
- S.B. ELEV = STOP BOX ELEVATION
- S.S. ELEV = SANITARY SEWER SERVICE INVERT
- SS = SANITARY SEWER
- ST = STORM SEWER
- STA = ALIGNMENT STATION
- T = TELEPHONE
- TOC = TOP OF CONCRETE
- TOP = TOP OF PAVEMENT
- TOP = TOP OF PIPE
- TOW = TOP OF WALK
- TR# = SANITARY TELEVISION RISER
- TRANS = TRANSFORMER
- TV = TELEVISION
- U = UTILITY (UNKNOWN UTILITY)

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Daniel T. Elemes
DANIEL T. ELEMES

DATE: 10.31.2024 LIC. NO. 55420



CIVIL
2025 POND MAINTENANCE
CITY PROJECT #WR259001
PLYMOUTH, MINNESOTA
LEGEND

DATE:	10.31.2024
REV DATE:	---
REV NUM:	---
RECORD:	---
PROJECT No.	24343
MANAGER:	JCM
DESIGNER:	QDS
DRAFTER:	DWA
REVIEWER:	DTE

C-001

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THE FOLLOWING PLAN NOTES SUPPLEMENT AND AMEND THE PLAN SHEETS, SPECIFICATIONS AND MNDOT REFERENCES AS FOLLOWS:

GENERAL NOTES:

1. Take necessary precautions required to protect adjacent properties during the construction operations.
2. Notify Engineer where section, subsection or property monuments are encountered, before such monuments are removed. Protect and carefully preserve all property markers and monuments until the engineer and authorized surveyor has witnessed or otherwise referenced the location.
3. The removal and replacement of existing street signs are incidental to the installation of the new utility. Replace any damaged signs. Coordinate with homeowners or businesses on the removal/relocation of personal/business affects prior to construction taking place in that area.
4. The drawings designate those existing items for removal, replacement, or improvement. If not designated for removal, replacement, or improvement, all other existing items within the site to be protected.
5. Testing requirements for MNDOT bid item numbers to be in accordance with the MNDOT Schedule of Materials Controls unless otherwise noted.
6. Any construction traffic damage to roads, curb, pavement, or any other item not marked for removal shall to be repaired by the contractor at no cost to the owner.
7. Contractor shall protect and reinforce areas over pipes to ensure damage is not done to existing utilities. Replacement of damaged utilities is incidental and the responsibility of the contractor.
8. All excavated material is the property of the contractor. Contractor must provide the City the address of location excess material is hauled to.

EROSION CONTROL NOTES:

1. All water discharged from dewatering or basin-draining must be discharged in a manner that does not cause nuisance conditions to waters of the State, erosion in receiving water, inundation of wetland, or damage to properties. Appropriate BMPs must be used to treat the water prior to discharge. The contractor must ensure that discharge points are adequately protected from erosion and scour by an energy dissipation device.

2. All appropriate erosion and sediment control BMPs must be in place prior to beginning construction.
3. Any tracked sediment on paved surfaces must be removed with 24 hours of discovery or as needed. Incidental to project cost.

UNDERGROUND NOTES:

1. Coordinate any utility relocations.
2. Unless otherwise noted, any removal, relocation, replacement, or bracing of power poles or any other utilities is the responsibility of the Contractor.
3. Existing utilities (both public and private) shown on the plans are approximate and may not be complete. It will be the contractor's responsibility to verify and locate any utilities prior to excavation. There will be no additional payment for exploratory time.
4. There is a potential for water on the project. It shall be the contractor's responsibility to dewater for constructability.
5. The subsurface utility information in this plan is Utility Quality Level D. This quality level was determined according to the guidelines of ASCE 38-02 entitled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data".
6. Not all fittings required for a complete installation may be shown on the plans. Provide all required fittings.
7. Verify all existing pipe sizes in the field.

TRAFFIC CONTROL NOTES:

1. The contractor shall submit a traffic control plan to the City and Engineer for approval prior to beginning construction. Traffic control must be in place prior to any hauling.
2. The contractor will be responsible for maintaining access to all businesses/residences/public facilities at all times. This would include building & maintaining any required temporary access roadways.
3. Contractor must follow the current M.U.T.C.D. for traffic control for any and all construction operations that interfere with traffic. The recommended haul route is Carlson Parkway to Xenium Lane to County Road 6.

4. Contractor to give no less than 48 hour notice prior to any work being done on the project. All no parking signs and any traffic control shall be posted at least 48 hours prior to work commencing.

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

Daniel T. Elemen
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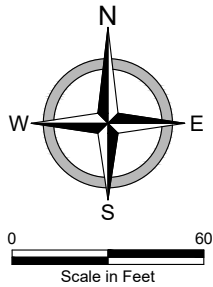
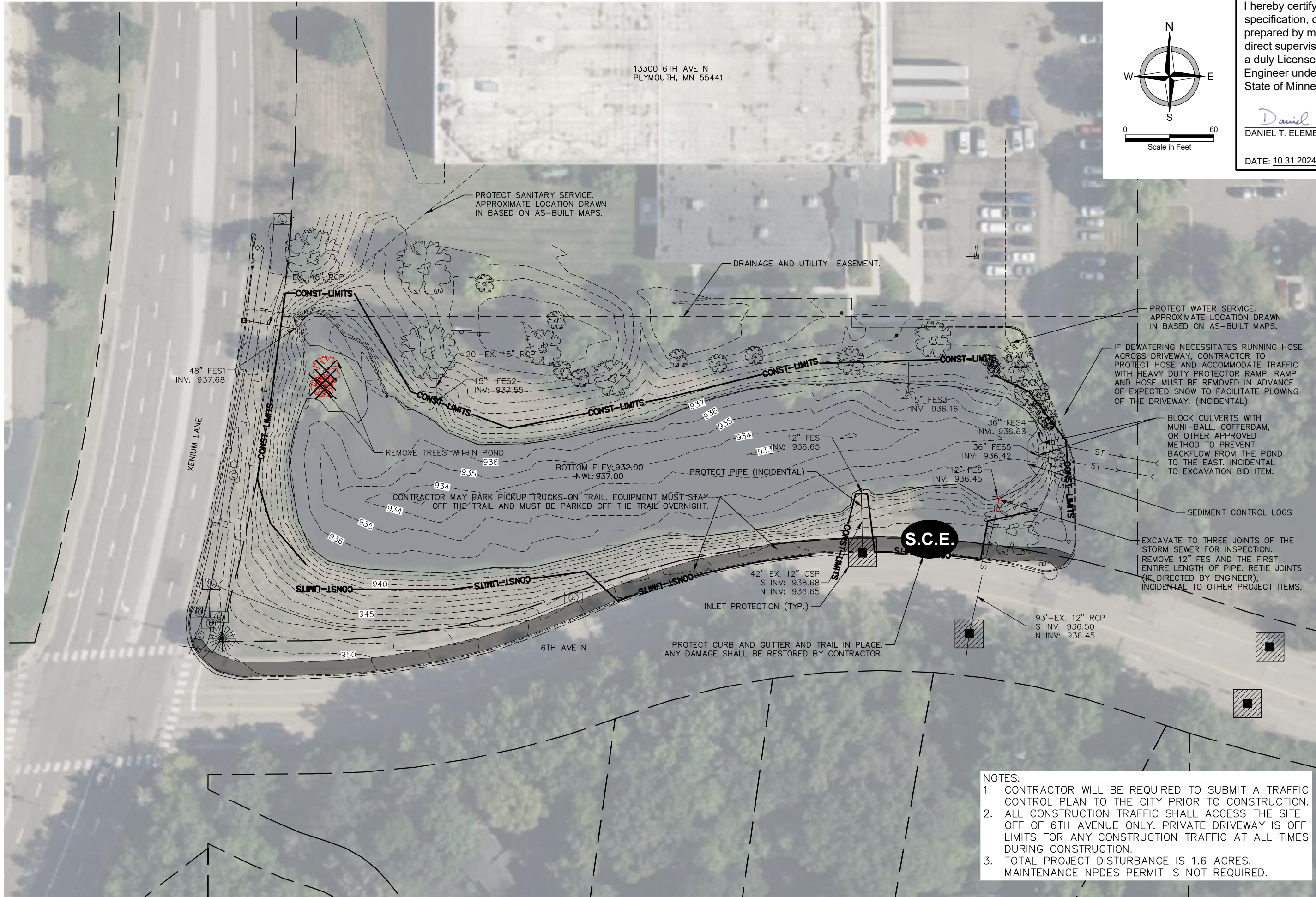


CIVIL
2025 POND MAINTENANCE
CITY PROJECT #WR259001
PLYMOUTH, MINNESOTA
GENERAL NOTES

DATE:	10.31.2024
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REV NUM:	---
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PROJECT No.	24343
MANAGER:	JCM
DESIGNER:	QDS
DRAFTER:	DWA
REVIEWER:	DTE

C-002

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PROJECT LAYOUTS
2025 POND MAINTENANCE
CITY PROJECT #WR259001
PLYMOUTH, MINNESOTA
SITE ACCESS AND TEMPORARY EROSION CONTROL

- NOTES:
1. CONTRACTOR WILL BE REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY PRIOR TO CONSTRUCTION.
 2. ALL CONSTRUCTION TRAFFIC SHALL ACCESS THE SITE OFF OF 6TH AVENUE ONLY. PRIVATE DRIVEWAY IS OFF LIMITS FOR ANY CONSTRUCTION TRAFFIC AT ALL TIMES DURING CONSTRUCTION.
 3. TOTAL PROJECT DISTURBANCE IS 1.6 ACRES. MAINTENANCE NPDES PERMIT IS NOT REQUIRED.

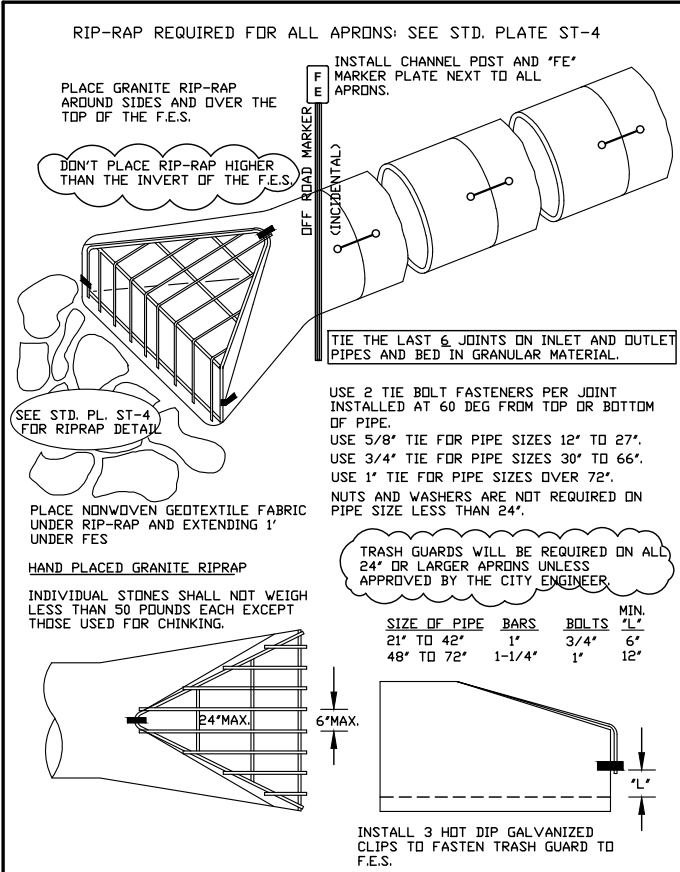
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MANAGER:	JCM
DESIGNER:	QDS
DRAFTER:	DWA
REVIEWER:	DTE


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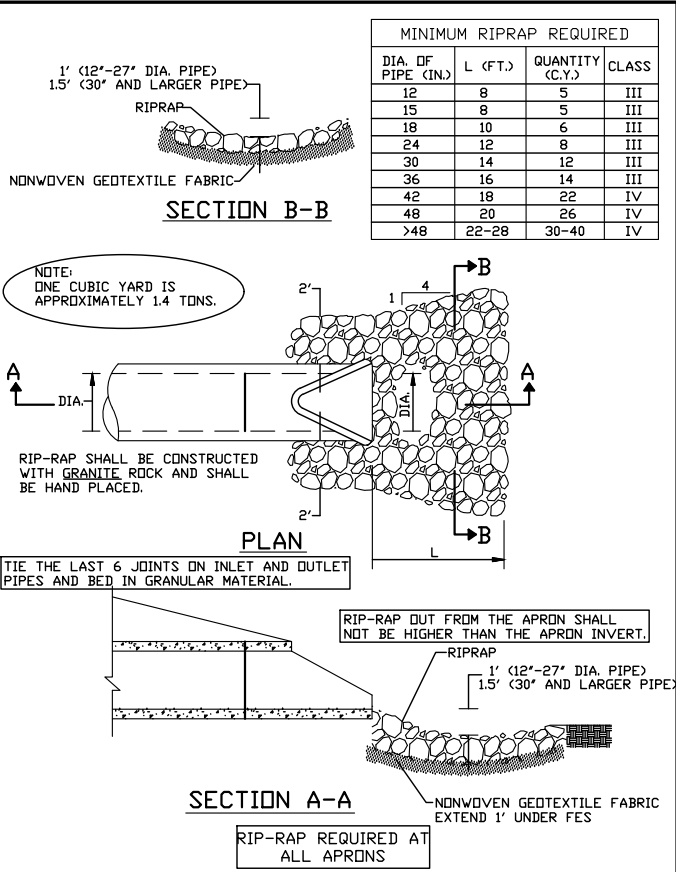
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STANDARD DETAILS
INLET & OUTLET F.E.S. WITH TRASH GUARD
CITY OF PLYMOUTH

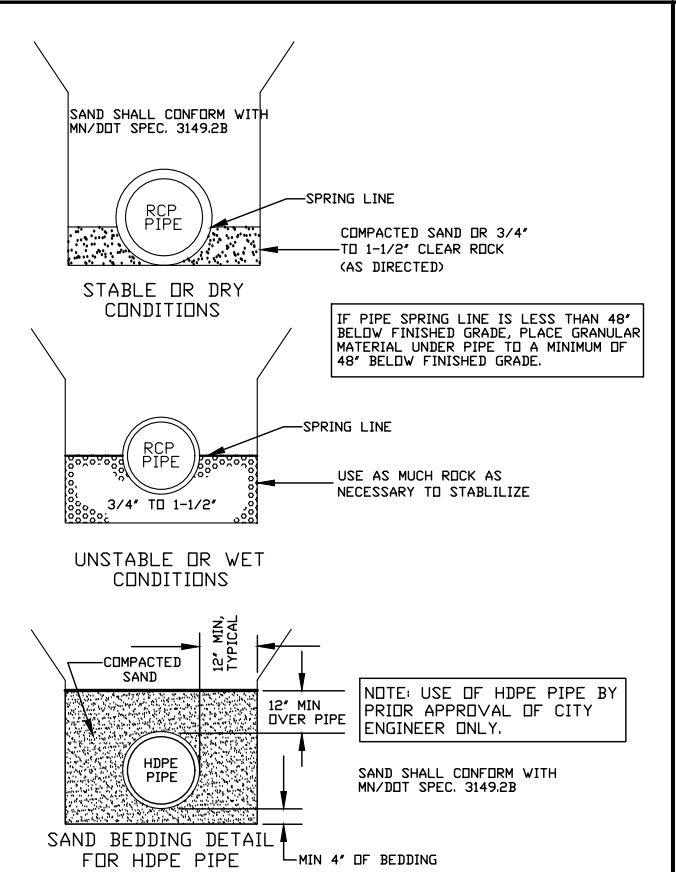
PUBLISHED
1-24
CITY PL. NO.
ST-3
REVISED 1-17






STANDARD DETAILS
RIPRAP DETAIL FOR FLARED END SECTIONS
CITY OF PLYMOUTH

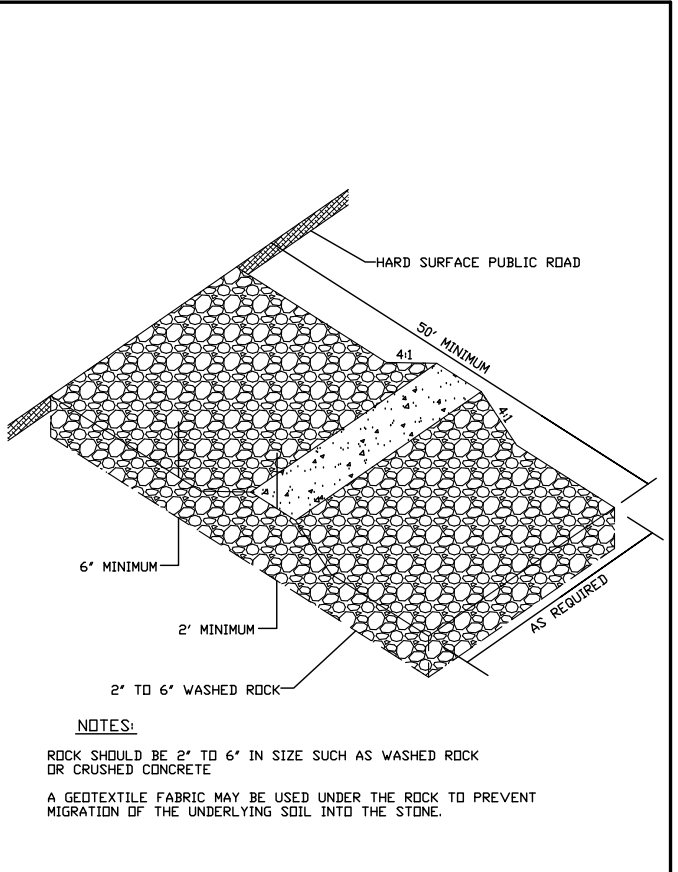
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1-24
CITY PL. NO.
ST-4
REVISED 1-17





STANDARD DETAILS
STORM SEWER BEDDING
CITY OF PLYMOUTH

PUBLISHED
1-24
CITY PL. NO.
ST-8
REVISED 1-24



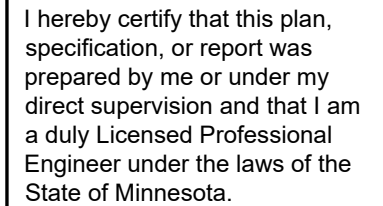


STANDARD DETAILS
ROCK EXIT TO CONSTRUCTION SITE
CITY OF PLYMOUTH

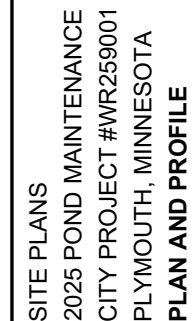
PUBLISHED
1-24
CITY PL. NO.
ST-19
REVISED 1-20

DETAILS
2025 POND MAINTENANCE
CITY PROJECT #WR259001
PLYMOUTH, MINNESOTA
DETAILS

DATE:	10.31.2024
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REV NUM:	----
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PROJECT No.	24343
MANAGER:	JCM
DESIGNER:	QDS
DRAFTER:	DWA
REVIEWER:	DTE

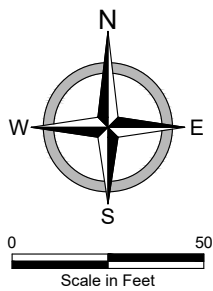


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DESIGNER:	QDS
DRAFTER:	DWA
REVIEWER:	DTE

C-601



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SITE PLANS
2025 POND MAINTENANCE
CITY PROJECT #WR259001
PLYMOUTH, MINNESOTA
TURF RESTORATION PLAN

DATE:	10.31.2024
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MANAGER:	JCM
DESIGNER:	QDS
DRAFTER:	DWA
REVIEWER:	DTE

C-602