

SITE CONSTRUCTION PLANS

FOR

PONDEROSA WOODS STREAM RESTORATION PROJECT

CITY PROJECT # WR210003

PLYMOUTH, MN

Project Team

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PROJECT LOCATION
 CITY: PLYMOUTH
 COUNTY: HENNEPIN



DRAWING INDEX	
Sheet Number	Sheet Title
G-101	COVER SHEET
G-102	CONSTRUCTION NOTES
EC-101	SWPPP
C-101	SITE ACCESS AND BUCKTHORN TREATMENT
C-102	TREE REMOVALS 1
C-103	TREE REMOVALS 2
C-104	TREE SURVEY - TREES SAVED
C-105	TREE SURVEY - TREES REMOVED
C-110	CHANNEL STABILIZATION PLAN 1
C-111	CHANNEL STABILIZATION PLAN 2
C-120	CHANNEL CROSS SECTIONS
C-121	CHANNEL CROSS SECTIONS
C-130	REVEGETATION PLAN 1
C-131	REVEGETATION PLAN 2
C-801	DETAILS
C-802	DETAILS
C-803	DETAILS
C-804	DETAILS

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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 LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.
Lucius Jonett
 LUCIUS JONETT
 LICENSE NO.: 52856
 DATE: 10-31-2024

ISSUE NO.	DESCRIPTION	DATE
01 <td>60% PLAN SET <td>10/30/2024</td> </td>	60% PLAN SET <td>10/30/2024</td>	10/30/2024
02 <td>90% PLAN SET <td>10/30/2024</td> </td>	90% PLAN SET <td>10/30/2024</td>	10/30/2024

PROJECT TITLE:
 PONDEROSA WOODS STREAM RESTORATION PROJECT
 CITY PROJECT # WR210003

CLIENT:

 3400 PLYMOUTH BLVD
 PLYMOUTH, MN 55447
 PHONE: 763-509-5000
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PROJECT NO.: 0017-03
DWN BY: LNJ
CHKD BY: LNJ
APPD BY: LNJ
ISSUE DATE: 10/30/2024
ISSUE NO.: 02

SHEET TITLE:
 COVER SHEET

SHEET NO.:
G-101

GOVERNING SPECIFICATIONS

- 1. CITY OF PLYMOUTH ENGINEERING GUIDELINES, STANDARD SPECIFICATIONS AND REQUIREMENTS.
2. MINNESOTA DEPARTMENT OF TRANSPORTATION (MN/DOT) "STANDARD SPECIFICATIONS FOR CONSTRUCTION" LATEST EDITION AND SUPPLEMENTS.
3. CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) STANDARD SPECIFICATIONS FOR UTILITIES LATEST EDITION.
4. APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES

REMOVAL / DEMOLITION NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
2. CONTRACTOR SHALL REVIEW FEATURES NOT SPECIFICALLY IDENTIFIED ON PLAN FOR SALVAGE OR REMOVAL THAT CONFLICT WITH CONSTRUCTION WITH THE ENGINEER.
3. MATERIALS REMOVED/DEMOLISHED BY CONTRACTOR BECOME PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
4. IN THE EVENT THAT UNKNOWN CONTAINERS OR TANKS ARE ENCOUNTERED, THE CONTRACTOR MUST CONTACT THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL REVIEW ALL TREE REMOVALS WITH THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO REMOVAL OPERATIONS.
6. CLEARING AND GRUBBING OPERATIONS MUST COMPLY WITH THE FOLLOWING:
A. PROTECT ALL TREES AND PLANTS NOT DESIGNATED FOR REMOVAL.
B. CONDUCT OPERATIONS IN SUCH A MANNER THAT DOES NOT DAMAGE PROTECTED TREES AND VEGETATION.
C. CUT, REMOVE, AND DISPOSE OF TREES, BRUSH, SHRUBS, WINDFALLS, LOGS, STUMPS, ROOTS, FALLEN TIMBER, AND OTHER VEGETATION NOT DESIGNATED FOR HARVEST OR REUSE.
D. BACKFILL DEPRESSIONS WITH NATIVE SOILS OR SUITABLE FILL MATERIAL AS REQUIRED BY DESIGN OR AS DIRECTED BY THE LANDSCAPE ARCHITECT AND COMPACT BACKFILL AS DIRECTED.
E. DISPOSE OF DEBRIS IN ACCORDANCE WITH APPLICABLE REGULATIONS.
F. CONSIDER BENEFICIAL USE DESIGNATIONS FOR UNADULTERATED WOOD, WOOD CHIPS, BARK AND SAWDUST.
G. NO BURYING OF CLEARED AND GRUBBED WASTE WITHIN THE CONSTRUCTION LIMITS.

GENERAL NOTES

- 1. UNTIL REVISION BLOCK STATES "ISSUED FOR CONSTRUCTION", THE PLAN SET IS NOT CERTIFIED FOR CONSTRUCTION.
2. EXISTING CONDITIONS SHOWN ARE FROM A COMBINATION OF TOPOGRAPHIC SURVEY AND LIDAR DATA COMPLETED BY ANDERSON ENGINEERING OF MINNESOTA, DATED AUGUST 2024.
3. 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. CONTRACTOR RESPONSIBLE FOR CONTACTING GOPHER STATE ONE CALL (1-800-252-1166) A MINIMUM OF 48 HOURS IN ADVANCE (EXCLUDING HOLIDAYS AND WEEKENDS) BEFORE STARTING WORK FOR LOCATIONS OF UNDERGROUND UTILITIES.

GENERAL NOTES - CONT.

- 5. CONTRACTOR SHALL ANTICIPATE PRIVATE UTILITY CONFLICTS THROUGHOUT THE PROJECT AREAS AND MUST COORDINATE THE RELOCATION OR PROTECTION OF EXISTING UTILITIES.
6. QUANTITIES ARE APPROXIMATE, AND MAY VARY TO ALLOW COMPLETION OF WORK.
7. PROTECTION OF ITEMS NOT CALLED OUT TO BE REMOVED SHALL BE INCIDENTAL.
8. WORK AND MATERIALS MUST COMPLY WITH CITY, COUNTY, STATE, AND FEDERAL (INCLUDING OSHA) REGULATIONS AND CODES.
9. CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS TO ADJACENT PROPERTIES THROUGHOUT CONSTRUCTION.
10. CONTRACTOR SHALL COORDINATE AND MAINTAIN MAIL, GARBAGE, AND RECYCLING SERVICES TO PROPERTIES THROUGHOUT CONSTRUCTION.
11. CONSTRUCTION LIMITS ARE TO PROPERTY LINE UNLESS SHOWN OR NOTED OTHERWISE.
12. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING PAVEMENT, SITE FEATURES, UTILITIES, TREES, ETC., UNLESS NOTED OR SHOWN OTHERWISE.
13. EXISTING PAVEMENT AND SITE CONDITIONS HAVE BEEN DOCUMENTED, AND ANY DAMAGE TO THE EXISTING PAVEMENT, CURBING, STRIPING, OR OTHER SITE FEATURE TO REMAIN MUST BE REPLACED BY THE CONTRACTOR.
14. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION.
15. CONTRACTOR MUST IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS.
16. CONTRACTOR SHALL HAVE ONE COPY OF EACH REQUIRED CONSTRUCTION PERMIT AND ONE COPY OF THE MOST CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS.
17. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR IMPLEMENTATION AND ENFORCEMENT OF SAFE WORK PRACTICES.
18. CONTRACTOR SHALL PLAN FOR AND ENSURE PERSONNEL COMPLY WITH PROVISIONS OF OSHA SAFETY AND HEALTH STANDARDS.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING SAFETY PRECAUTIONS AND PROGRAMS.
20. HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO OIL, GASOLINE, PAINT AND OTHER HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, BY THE CONTRACTOR, INCLUDING SECONDARY CONTAINMENTS.

EROSION CONTROL NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
2. CONTRACTOR SHALL CONFORM TO AND CONDUCT INSPECTIONS IN ACCORDANCE WITH THE SWPPP, NPDES PERMIT, AND CITY, STATE, AND WATERSHED DISTRICT PERMITS.
3. BEFORE SITE DISTURBANCE AND AS REQUIRED AS CONSTRUCTION PROGRESSES, CONTRACTOR SHALL INSTALL, MAINTAIN, REPAIR, AND REPLACE EROSION PREVENTION MEASURES AND SEDIMENT CONTROL DEVICES.
4. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION.
5. CONTRACTOR SHALL STABILIZE ALL EXPOSED SOIL AREAS WITHIN THE CONSTRUCTION LIMITS WITHIN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY.
6. CONTRACTOR SHALL REMOVE ANY SEDIMENT THAT HAS TRACKED ONTO PAVED SURFACES BOTH ON AND OFFSITE WITHIN 24 HOURS.
7. CONTRACTOR SHALL PHASE GRADING WORK TO MINIMIZE THE DURATION THAT DISTURBED SOIL IS EXPOSED.
8. CONTRACTOR SHALL LOCATE SOIL STOCKPILES NO LESS THAN 50 FEET FROM ROADWAYS, STORMWATER INLETS, PONDS, WETLANDS, DRAINAGE CHANNELS, AND OTHER SURFACE WATERS.
9. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL MEASURES AFTER SITE HAS BEEN STABILIZED AND VEGETATION IS ESTABLISHED.
10. STREAMBANK STABILIZATION PRACTICES SHALL CONSIST OF TWO LAYERS OF EROSION PREVENTION BLANKET.
11. MN STATE SEED MIXES USED ON THIS PROJECT INCLUDE:
11.1. 25-131 LOW MAINTENANCE TURF MIX SEEDS AT 220 LB/ACRE - FOR ALL TURF GRASS RESTORATION AREAS.
11.2. 34-261 RIPARIAN SOUTH & WEST MIX SEEDS AT 31.5 LB/ACRE - FOR ALL STABILIZED STREAMBANK AREAS.
11.2. 36-711 WOODLAND EDGE CENTRAL MIX SEEDS AT 35.5 LB/ACRE - FOR ALL BUCKTHORN REMOVAL AREAS.

GRADING NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
2. PROPOSED CONTOURS ARE TO FINISHED SURFACE GRADE, UNLESS NOTED OTHERWISE.
3. THE SITE HAS NOT BEEN DESIGNED TO BALANCE THE ON-SITE MATERIALS.
4. CONTRACTOR SHALL EXCAVATE AND DISPOSE OF UNSUITABLE OR CONTAMINATED SOILS DISCOVERED ONSITE.
5. ALL DISTURBED PVIOUS AREAS ARE TO RECEIVE 4 INCHES OF IMPORTED TOPSOIL, UNLESS NOTED OTHERWISE

DEWATERING NOTES

- 1. CONTRACTOR SHALL ANTICIPATE BASE FLOW AND STOMRWATER RUNOFF IN THE CREEK CHANNEL. NO BID ITEM HAS BEEN PROVIDED FOR DEWATERING AS ALL DEWATERING WORK NECESSARY FOR CONSTRUCTION WILL BE CONSIDERED INCIDENTAL TO OTHER WORK.
2. CONTRACTOR SHALL OBTAIN APPLICABLE REQUIRED PERMITS (INCLUDING MN DNR WATER APPROPRIATION PERMIT) AND SUBMIT DEWATERING PLAN TO ENGINEER FOR REVIEW.
3. CONTRACTOR MUST DEWATER IN ACCORDANCE WITH THE PROJECT SWPPP AND NPDES PERMIT.
4. CONTRACTOR MUST DISCHARGE TURBID OR SEDIMENT-LADEN WATER RELATED TO DEWATERING OR BASIN DRAINING (E.G. PUMPED DISCHARGES, TRENCH/DITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE UNLESS INFEASIBLE.
5. CONTRACTOR MUST DISCHARGE WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS.
6. IF THE CONTRACTOR IS USING FILTERS WITH BACKWASH WATER, THE CONTRACTOR MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL.

TREE PRESERVATION NOTES

- 1. CONTRACTOR SHALL PROTECT EXISTING TREES THAT ARE NOT TO BE REMOVED.
2. WHEN TREE ROOTS OVER 1" ARE ENCOUNTERED THAT MUST BE REMOVED, CONTRACTOR SHALL CUT ROOTS CLEANLY AS FAR FROM THE TREE AS POSSIBLE.
3. PROTECTION OF TREES NOT DESIGNATED FOR REMOVAL SHALL BE INCIDENTAL.

HORIZONTAL AND VERTICAL CONTROL NOTES

- 1. THE HORIZONTAL COORDINATE SYSTEM FOR THIS PLAN IS NAD83 (2011) HENNEPIN COUNTY COORDINATES US SURVEY FEET.
2. THE VERTICAL DATUM FOR THIS PLAN IS NAVD 88



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Lucius Jonett
LUCIUS JONETT

LICENSE NO.: 52856

DATE: 10-31-2024

Table with columns: DATE, DESCRIPTION, ISSUE NO., and rows for 60% PLAN SET and 90% PLAN SET.

PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

PROJECT TITLE:

CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03

DWN BY: LNJK
CHKD BY: LNJK
APPD BY: LNJK

ISSUE DATE: 10/30/2024

ISSUE NO.: 02

SHEET TITLE:

CONSTRUCTION NOTES

SHEET NO.: G-102

PROJECT INFORMATION

PROJECT NAME: PONDEROSA WOODS STREAM RESTORATION
PROJECT LOCATION: 1830 IVES LANE NORTH, PLYMOUTH, MN 55441
PROJECT TYPE: STREAM BANK RESTORATION

TOTAL AREA DISTURBED BY CONSTRUCTION: ±4.3 ACRES.
TOTAL SITE AREA: ±5.8 ACRES.
ESTIMATED CONSTRUCTION DATES: WINTER 2024 - SUMMER 2025

CUMULATIVE IMPERVIOUS SURFACE/PERMANENT STORMWATER MANAGEMENT REQUIREMENTS:
THERE IS CURRENTLY ±0.0 ACRES OF EXISTING IMPERVIOUS SURFACE IN THE PROJECT AREA.

THE PROPOSED AREA OF IMPERVIOUS IS ±0.0 ACRES RESULTING IN A ±0.0 ACRE NET INCREASE IN IMPERVIOUS SURFACE.

THE SITE ULTIMATELY DRAINS TO PLYMOUTH CREEK AND THEN MEDICINE LAKE, BOTH OF WHICH ARE LISTED AS AN IMPAIRED WATER FOR AQUATIC LIFE AND AQUATIC RECREATION. THERE ARE NO CURRENT EPA APPROVED TMDLS FOR THESE WATERBODIES.

THE CONSTRUCTION PLANS OUTLINE STREAMBANK STABILIZATION PRACTICES INCLUDING BUCKTHORN REMOVAL, TREE REMOVAL, RIPRAP, RIPRAP TOE, CROSS VANES, SEEDING, HYDROMULCHING AND INSTALLATION OF EROSION CONTROL BLANKET FOR VEGETATIVE RE-ESTABLISHMENT.

PARTY RESPONSIBLE FOR LONG TERM OPERATION AND MAINTENANCE OF THE SITE (OWNER):
CITY OF PLYMOUTH
CONTACT: BEN SCHARENBRICH, WATER RESOURCES SUPERVISOR
CONTACT PHONE: (763) 509-5527
CONTACT EMAIL: BSCHARENBRICH@PLYMOUTHMN.GOV

PARTY RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP (CONTRACTOR):
TBD - CONTRACTOR SHALL PROVIDE A CHAIN OF RESPONSIBILITY WITH ALL OPERATORS ON THE SITE FOR INCORPORATION INTO THIS SWPPP DOCUMENT TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE (THROUGH FINAL STABILIZATION AND NOT SUBMITTAL). CONTRACTOR SHALL ALSO PROVIDE DOCUMENTATION OF PERSONNEL TRAINING IN ACCORDANCE WITH THE PERMIT FOR INCORPORATION INTO THIS SWPPP DOCUMENT AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. CONTRACTOR IS RESPONSIBLE FOR KEEPING A FINAL SWPPP DOCUMENT, CONTAINING THE INFORMATION REQUIRED ABOVE, AT THE CONSTRUCTION SITE FOR THE DURATION OF THE PROJECT.

SWPPP DOCUMENTS

THE SWPPP IS COMPOSED OF, BUT NOT LIMITED TO, THE BELOW PROJECT DOCUMENTS. THESE DOCUMENTS SHALL BE KEPT ON THE PROJECT SITE AT ALL TIMES THROUGHOUT CONSTRUCTION. THE SWPPP SHALL BE AMENDED BY THE PERSON RESPONSIBLE TO INCLUDE ANY DOCUMENTS NECESSARY TO ENSURE ADHERENCE TO THE GENERAL PERMIT.

PONDEROSA WOODS STREAM RESTORATION CONSTRUCTION DRAWINGS BY MIDWEST WETLAND IMPROVEMENTS DATED OCTOBER 31, 2024

RECORD RETENTION - THE SWPPP, ALL CHANGES TO IT, AND INSPECTION AND MAINTENANCE RECORDS MUST BE KEPT ON-SITE DURING CONSTRUCTION; THE CONSTRUCTION DRAWINGS ARE INCORPORATED HEREIN BY REFERENCE, AND A COPY OF THE PLAN SET SHOULD BE KEPT ON-SITE WITH THE SWPPP RECORDS. THE OWNER MUST RETAIN A COPY OF THE SWPPP ALONG WITH THE FOLLOWING RECORDS FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOTICE OF TERMINATION:

- 1. ANY OTHER PERMITS REQUIRED FOR THE PROJECT;
2. RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION;
3. ALL PERMANENT OPERATIONS AND MAINTENANCE AGREEMENTS THAT HAVE BEEN IMPLEMENTED, INCLUDING ALL RIGHT OF WAY, CONTRACT, COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE; AND
4. ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

SOIL MAP



EROSION AND SEDIMENT CONTROL

PRIOR TO ANY SITE DISTURBANCE, AND AS REQUIRED AS CONSTRUCTION PROGRESSES, ANY PERMIT REQUIRED EROSION PREVENTION MEASURES AND THE SEDIMENT CONTROL DEVICES (WOOD MULCH CONSTRUCTION ENTRANCE, BIOLOG, SILT FENCE, EROSION CONTROL BLANKET) SHOWN ON THE CONSTRUCTION DRAWINGS WILL BE INSTALLED AT THE SITE.

ALL EXPOSED SOIL AREAS WITHIN THE CONSTRUCTION LIMITS WILL BE STABILIZED WITHIN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY (WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS) OR PERMANENTLY CEASED. STABILIZATION WILL BE INITIATED IMMEDIATELY. EXPOSED SOIL AREAS MUST HAVE TEMPORARY EROSION PROTECTION (SLASH MULCH, EROSION CONTROL BLANKET, SEED) OR PERMANENT COVER YEAR ROUND.

CONTRACTOR SHALL IMPLEMENT APPROPRIATE CONSTRUCTION PHASING, VEGETATIVE BUFFER STRIPS, HORIZONTAL SLOPE GRADING, AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION WHEN PRACTICAL. THE NORMAL WETTED PERIMETER OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH THAT DRAINS WATER FROM A CONSTRUCTION SITE, OR DIVERTS WATER AROUND A SITE, MUST BE STABILIZED WITHIN 200 LINEAL FEET FROM THE PROPERTY EDGE, OR FROM THE POINT OF DISCHARGE TO ANY SURFACE WATER. STABILIZATION MUST BE COMPLETED WITHIN 24 HOURS OF CONNECTING TO A SURFACE WATER. PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS OF CONNECTION TO A SURFACE WATER.

SWPPP IMPLEMENTATION, PHASING, AND SEQUENCE OF CONSTRUCTION

BMP AND EROSION CONTROL INSTALLATION SEQUENCE SHALL BE AS FOLLOWS:

- 1. INSTALL WOOD MULCH CONSTRUCTION ENTRANCE AND PERIMETER CONTROL.
2. PREPARE TEMPORARY STORAGE, PARKING, AND PHASING AREAS.
3. PERFORM BUCKTHORN REMOVAL IN THE DESIGNATED PROJECT AREA.
4. PERFORM CLEARING AND GRUBBING OF THE SITE.
6. PERFORM MASS GRADING, ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
7. START CONSTRUCTION OF STREAM BANK AND TRIBUTARY CHANNEL STABILIZATION PRACTICES.
8. TEMPORARILY SEED WITH PURE LIVE SEED THROUGHOUT CONSTRUCTION DISTURBED AREAS THAT WILL BE INACTIVE FOR SEVEN (7 DAYS) OR MORE AS REQUIRED BY NPDES PERMIT.

SEDIMENT CONTROL PRACTICES MUST MINIMIZE SEDIMENT FROM ENTERING SURFACE WATERS, INCLUDING CURB AND GUTTER SYSTEMS AND STORM SEWER INLETS. THE FOLLOWING MEASURES WILL BE TAKEN AS SEDIMENT CONTROL PRACTICES IN ORDER TO MINIMIZE SEDIMENTS FROM ENTERING SURFACE WATERS:

- 1. INSTALLATION OF SEDIMENT CONTROL PRACTICES ON ALL DOWN GRADIENT PERIMETERS PRIOR TO LAND DISTURBING ACTIVITIES. STREET SWEEPING SHALL BE PERFORMED IF VEHICLE TRACKING Bmps ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING. TRACKED SEDIMENT MUST BE REMOVED FROM ALL PAVED SURFACES BOTH ON AND OFFSITE WITHIN 24 HOURS OF DISCOVERY PER THE PERMIT.

THE FOLLOWING GUIDELINES WILL BE USED TO DETERMINE IF POLLUTION CONTROL DEVICES REQUIRE MAINTENANCE, REPAIR, OR REPLACEMENT:

- IF SEDIMENT CONTROL DEVICES SUCH AS SILT FENCE ARE FILLED TO 1/3 THE HEIGHT OF THE FENCE, REMOVE ALL SEDIMENT WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF INLET PROTECTION DEVICES APPEAR PLUGGED WITH SEDIMENT, ARE FILLED TO 1/3 CAPACITY, OR HAVE STANDING WATER AROUND THEM, REMOVE THE SEDIMENT AND CLEAN OR REPLACE THE FILTER WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF THE WOOD MULCH CONSTRUCTION ENTRANCE(S) ARE FILLED WITH SEDIMENT EITHER REPLACE THE ENTRANCE OR ADD ADDITIONAL GRAVEL WITH 24 HOURS OF DETECTION OR NOTIFICATION.
-IF SEDIMENT FROM THE SITE IS OBSERVED ON ADJACENT STREETS OR OTHER PROPERTIES, THE INSPECTOR SHALL IDENTIFY THE SOURCE AND DISCHARGE LOCATION OF THE SEDIMENT AND INSTRUCT TO IMPLEMENT ADDITIONAL EROSION AND SEDIMENT CONTROLS AT THOSE LOCATIONS TO PREVENT FUTURE DISCHARGES.
-IF BUILDING MATERIALS, CHEMICALS, OR GENERAL REFUSE IS BEING USED, STORED, DISPOSED OF, OR OTHERWISE MANAGED INAPPROPRIATELY, CORRECT SUCH DEFECTS WITHIN 24 HOURS OF DETECTION OR NOTIFICATION.
-IF EXCESSIVE SEDIMENTS OR DEBRIS ARE OBSERVED AT THE FLARED END SECTION OUTFALLS, THE INSPECTOR SHALL DETERMINE THE SOURCE AND DISCHARGE LOCATIONS OF SUCH MATERIALS. IF THE DISCHARGE HAS OCCURRED ON THE PROPERTY, REMOVE THE SEDIMENTS AND DEBRIS WITHIN 24 HOURS OF NOTIFICATION AND CORRECT THE SOURCE OF SUCH MATERIALS AS DIRECTED BY THE INSPECTOR

CERTIFICATION

IN ACCORDANCE WITH PART III.A.2 A.I. 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. LUCIUS JONETT'S CERTIFICATION IN DESIGN OF SWPPP IS VALID THROUGH MAY 31, 2025.

POLLUTION PREVENTION MEASURES

SOLID WASTE
SOLID WASTE, INCLUDING BUT NOT LIMITED TO, COLLECTED ASPHALT AND CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, FABRIC, CONSTRUCTION AND DEMOLITION DEBRIS AND OTHER WASTE MUST BE DISPOSED OF PROPERLY AND MUST COMPLY WITH MPCA DISPOSAL REQUIREMENTS.

HAZARDOUS MATERIALS
HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO OIL, GASOLINE, PAINT AND ANY HAZARDOUS SUBSTANCE MUST BE PROPERLY STORED INCLUDING SECONDARY CONTAINMENTS, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT VANDALISM. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

CONSTRUCTION EQUIPMENT/VEHICLES
EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE PROPERLY DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON SITE. REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS SHALL BE TAKEN. ADEQUATE SUPPLIES MUST BE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS. CONDUCT FUELING IN A CONTAINED AREA UNLESS INFEEASIBLE.

FERTILIZERS AND LANDSCAPE MATERIALS MUST BE UNDER COVER TO PREVENT THE DISCHARGE OF POLLUTANTS OR PROTECTED BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.

PORTABLE TOILETS MUST BE POSITIONED SO THAT THEY ARE SECURE AND WILL NOT BE TIPPED OR KNOCKED OVER - SANITARY WASTE MUST BE DISPOSED OF PROPERLY.

GENERAL SWPPP NOTES

DEWATERING IS NOT ANTICIPATED TO BE REQUIRED. IN THE EVENT THAT DEWATERING IS NECESSARY CONTRACTOR SHALL COMPLY WITH PERMIT PART IV.D. REQUIREMENTS FOR DEWATERING.

THIS SWPPP SHALL BE AMENDED BY THE CONTRACTOR IN ACCORDANCE WITH THE PERMIT AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS PER PART III.B. OF THE PERMIT.

FINAL STABILIZATION

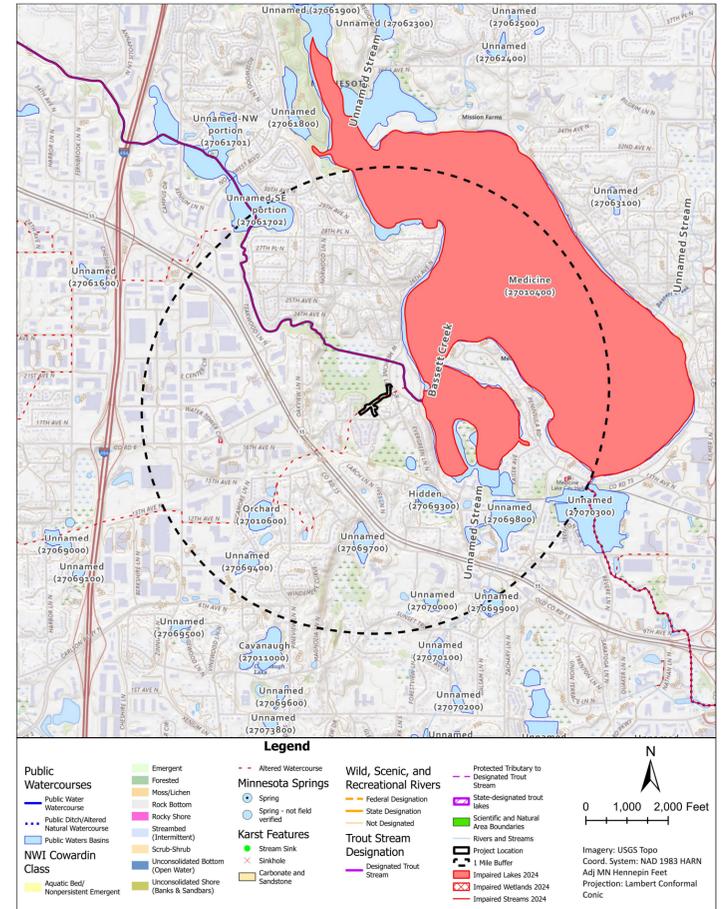
ALL PERVIOUS AREAS DISTURBED BY CONSTRUCTION AS DESIGNATED WILL RECEIVE VEGETATIVE COVER ACCORDING TO THE PLANS AND SPECIFICATIONS AND WITHIN THE SPECIFIED VEGETATIVE TIME SCHEDULE. FINAL STABILIZATION WILL OCCUR WHEN THE SITE HAS A UNIFORM VEGETATIVE COVER WITH A DENSITY OF 70% OVER THE RESTORED PERVIOUS AREAS. ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL Bmps (SUCH AS SILT FENCE) MUST BE REMOVED AS PART OF THE SITE FINAL STABILIZATION. ALL SEDIMENT MUST BE CLEANED OUT OF CONVEYANCES AND TEMPORARY SEDIMENTATION BASINS IF APPLICABLE. NOTICE OF TERMINATION (NOT) MUST BE SUBMITTED WITHIN 30 DAYS OF FINAL STABILIZATION.

IMPAIRED WATERS, SPECIAL WATERS, AND WETLANDS

THIS PROJECT IS LOCATED WITHIN ONE MILE OF, AND ULTIMATELY DISCHARGES TO, AN IMPAIRED WATER. PLYMOUTH CREEK AND MEDICINE LAKE ARE LOCATED WITHIN THE PROJECT LOCATION AND BOTH ARE LISTED AS IMPAIRED FOR AQUATIC LIFE AND AQUATIC RECREATION. DISCHARGE TO AN IMPAIRED WATER REQUIRES IMPLEMENTATION OF PARTS C.1 AND C.2 OF APPENDIX A OF THE PERMIT AS INCORPORATED INTO THIS SWPPP DOCUMENT.

THE PROJECT WILL TEMPORARILY IMPACT WETLANDS FOR CONSTRUCTION ACCESS.

SITE SOILS - SITE SOILS ARE SHOWN ON THIS SHEET. THIS PROJECT IS NOT LOCATED IN A KARST AREA.



INSPECTIONS

THE INSPECTION LOG WILL BE COMPLETED BY THE CONTRACTOR FOR THE CONSTRUCTION SITE. INSPECTOR(S) TBD - TRAINING DOCUMENTATION (PER PART IV.E OF THE PERMIT) WILL BE INCORPORATED INTO THIS SWPPP AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. THE CONTRACTOR WILL MAKE CORRECTIONS OR REPAIRS REQUIRED TO COMPLY WITH THE PERMIT.

INSPECTIONS AT THE SITE WILL BE COMPLETED IN ACCORDANCE WITH THE PERMIT AS FOLLOWS: ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND, WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.

- 1. THE INDIVIDUAL PERFORMING INSPECTIONS MUST BE TRAINED AS REQUIRED BY PART IV.E OF THE PERMIT. TRAINING DOCUMENTATION SHALL BE PROVIDED BY THE CONTRACTOR FOR INCORPORATION INTO THE SWPPP. INSPECTIONS MUST INCLUDE STABILIZED AREAS, EROSION PREVENTION AND SEDIMENT CONTROL Bmps, AND INFILTRATION AREAS. CORRECTIVE ACTIONS MUST BE IDENTIFIED AND DATE OF CORRECTION MUST BE NOTED AS IDENTIFIED IN SECTION IV.E. OF THE PERMIT. ANY OFFSITE DISCHARGE MUST BE DOCUMENTED AS IDENTIFIED IN SECTION IV.E.2.F OF THE PERMIT. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED WITHIN SEVEN (7) CALENDAR DAYS. AN INSPECTION LOG IS ALSO ATTACHED; THE INSPECTION LOG AND SWPPP MUST BE KEPT ON-SITE FOR THE DURATION OF THE CONSTRUCTION PROJECT.

AT A MINIMUM, THE FOLLOWING SHALL BE COMPLETED DURING EACH INSPECTION:

- RECORD DATE AND TIME OF INSPECTION.
-RECORD RAINFALL RECORDS SINCE THE MOST RECENT INSPECTION.
-INSPECT THE SITE FOR EXCESS EROSION AND SEDIMENTATION.
-INSPECT THE SITE FOR DEBRIS, TRASH, AND SPILLS.
-INSPECT TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES.
-INSPECT CONSTRUCTION ENTRANCES FOR SEDIMENT TRACKING ONTO PUBLIC STREETS.
-RECORD RECOMMENDED REPAIRS AND MODIFICATIONS TO EROSION AND SEDIMENT CONTROLS.
-RECOMMEND ANY NECESSARY CHANGES TO THIS SWPPP.
-RECORD REPAIRS AND MODIFICATIONS IMPLEMENTED SINCE PREVIOUS INSPECTIONS.
-INSPECT THE ADJACENT STREETS AND CURB AND GUTTER FOR SEDIMENT, LITTER, AND CONSTRUCTION DEBRIS.

THE GC MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE DAILY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, MODIFICATION OR REMOVAL, CONSTRUCTION ACTIVITIES (E.G. PAVING, SEWER INSTALLATION, ETC), CLEARING, GRUBBING, GRADING, OR TEMPORARY AND PERMANENT STABILIZATION.

THE CONTRACTOR MAY UPDATE OR MODIFY THE SWPPP WITHOUT ENGINEER APPROVAL IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

P.O. BOX 448
VICTORIA, MN 55386
PHONE: (952) 261-9990
WWW.MIDWESTWETLANDS.COM

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Lucius Jonett
LUCIUS JONETT

LICENSE NO.: 52856

DATE: 10-31-2024

Table with columns: ISSUE NO., 01, 02

Table with columns: DATE, 10/30/2024, 10/30/2024; DESCRIPTION, 60% PLAN SET, 80% PLAN SET

PONDEROSA WOODS STREAM RESTORATION PROJECT

CITY PROJECT # WR210003

PROJECT TITLE:



3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.GOV

PROJECT NO.: 0017-03

DWN BY: LNJ, CHKD BY: LNJ, APPD BY: LNJ

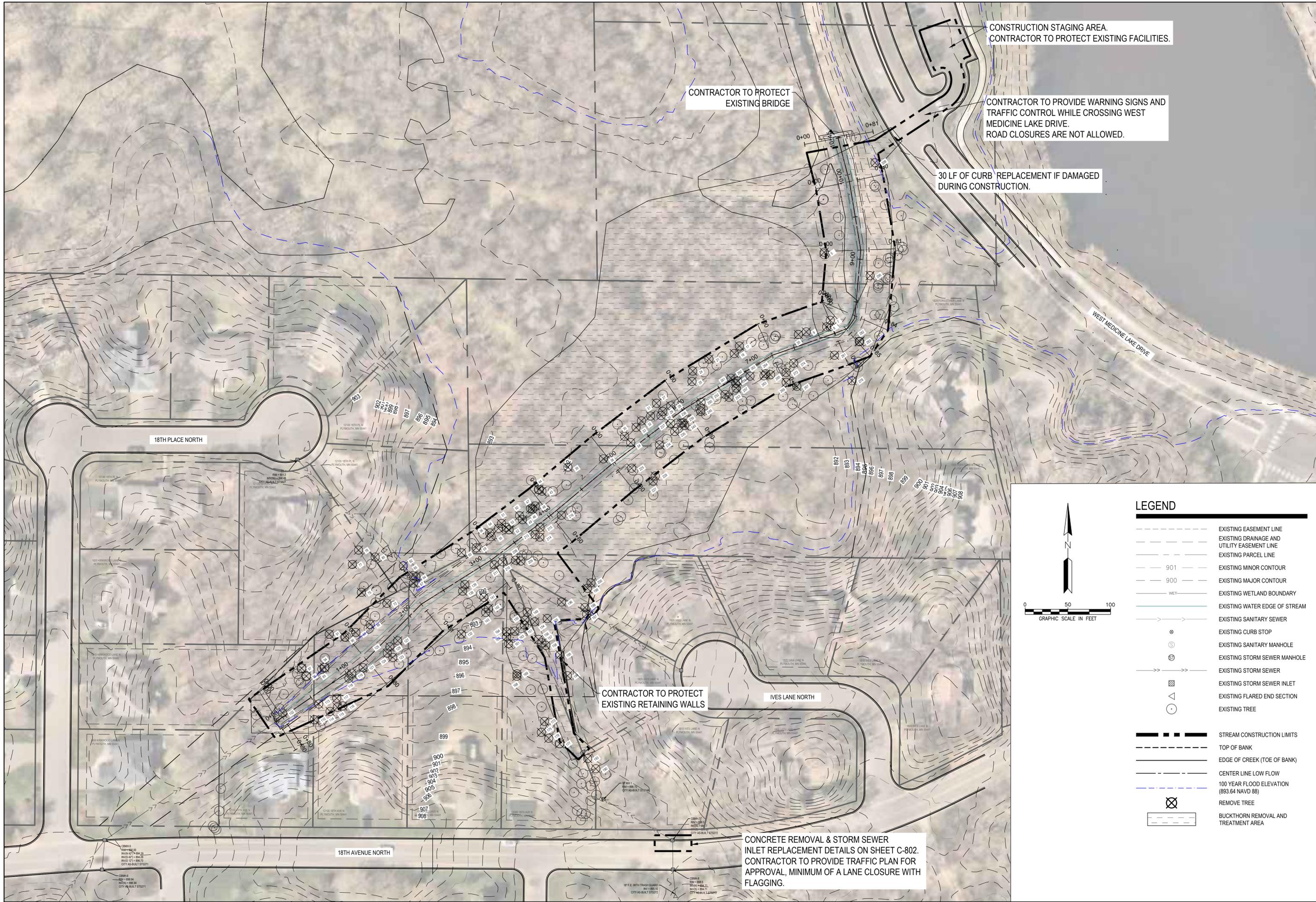
ISSUE DATE: 10/30/2024

ISSUE NO.: 02

SHEET TITLE: SWPPP

SHEET NO.:

EC-101



LEGEND

- EXISTING EASEMENT LINE
- EXISTING DRAINAGE AND UTILITY EASEMENT LINE
- EXISTING PARCEL LINE
- 901 EXISTING MINOR CONTOUR
- 900 EXISTING MAJOR CONTOUR
- WET EXISTING WETLAND BOUNDARY
- EXISTING WATER EDGE OF STREAM
- EXISTING SANITARY SEWER
- ⊗ EXISTING CURB STOP
- ⊙ EXISTING SANITARY MANHOLE
- ⊕ EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM SEWER INLET
- EXISTING FLARED END SECTION
- EXISTING TREE
- STREAM CONSTRUCTION LIMITS
- TOP OF BANK
- EDGE OF CREEK (TOE OF BANK)
- CENTER LINE LOW FLOW
- 100 YEAR FLOOD ELEVATION (893.64 NAVD 88)
- ⊗ REMOVE TREE
- BUCKTHORN REMOVAL AND TREATMENT AREA

GRAPHIC SCALE IN FEET

0 50 100

North Arrow

MIDWEST WETLAND improvements

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Lucius Jonett
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LICENSE NO.: 52856
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DATE	DESCRIPTION	ISSUE NO.
10/09/2024	60% PLAN SET	01
10/30/2024	90% PLAN SET	02

PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03
DWN BY: LNJ **CHKD BY:** LNJ **APPD BY:** LNJ
ISSUE DATE: 10/30/2024
ISSUE NO.: 02

SHEET TITLE: SITE ACCESS AND BUCKTHORN TREATMENT
SHEET NO.: C-101

Tree ID #	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments
0	Willow/Black		7	Healthy	
1	Birch/River	10		Healthy	
2	Birch/River	8		Healthy	
3	Birch/Paper	5		Healthy	multi-stem 6 at 4in
4	Birch/River	11		Healthy	
6	Box Elder	14		Healthy	
11	Box Elder	11		Healthy	
12	Cottonwood	13		Healthy	
13	Cottonwood	27		Healthy	
14	Cottonwood	15		Healthy	
15	Box Elder	8		Healthy	
16	Cottonwood	28		Healthy	
19	Box Elder	15		Healthy	
20	Box Elder	6		Healthy	
22	Box Elder	15		Healthy	
23	Box Elder	6		Healthy	
26	Box Elder	14		Healthy	
36	Box Elder	13		Healthy	
37	Cottonwood	15		Healthy	
40	Box Elder	15		Healthy	
41	Cottonwood	34		Healthy	
42	Cottonwood	33		Healthy	
45	Box Elder	8		Healthy	
57	Cottonwood	35		Healthy	
58	Cottonwood	31		Healthy	
61	Box Elder	8		Healthy	
62	Box Elder	6		Healthy	
63	Elm/American	7		Healthy	
66	Box Elder	8		Healthy	
68	Elm/American	14		Healthy	
69	Maple/Sugar	8		Healthy	
70	Box Elder	16		Healthy	
71	Maple/Sugar	6		Healthy	
73	Maple/Sugar	8		Healthy	
74	Box Elder	15		Healthy	
76	Maple/Sugar	9		Healthy	
79	Maple/Sugar	16		Healthy	
81	Elm/American	18		Healthy	
83	Elm/American	8		Healthy	
84	Elm/American	6		Healthy	
85	Elm/American	7		Healthy	
87	Maple/Sugar	6		Healthy	
89	Box Elder	8		Healthy	
92	Elm/American	18		Healthy	
93	Elm/American	9		Healthy	
98	Basswood/American	8		Healthy	
99	Basswood/American	8		Healthy	
100	Basswood/American	13		Healthy	
101	Elm/American	10		Healthy	
103	Elm/American	9		Healthy	
104	Elm/American	15		Healthy	
105	Box Elder	12		Healthy	
106	Box Elder	11		Healthy	
107	Box Elder	12		Healthy	
108	Cottonwood	28		Healthy	
109	Maple/Sugar	15		Healthy	
111	Maple/Sugar	9		Healthy	
112	Maple/Sugar	12		Healthy	
120	Elm/American	16		Healthy	
122	Box Elder	13		Healthy	
128	Box Elder	14		Healthy	
129	Box Elder	18		Healthy	
130	Box Elder	12		Healthy	
131	Box Elder	7		Healthy	
133	Elm/American	17		Healthy	
134	Box Elder	8		Healthy	
135	Box Elder	200		Healthy	
136	Box Elder	14		Healthy	
137	Box Elder	14		Healthy	
140	Box Elder	16		Healthy	
144	Maple/Sugar	8		Healthy	
145	Box Elder	6		Healthy	
146	Elm/American	8		Healthy	
147	Elm/American	9		Healthy	
148	Box Elder	15		Healthy	
152	Elm/American	13		Healthy	
153	Elm/Siberian	6		Healthy	
159	Box Elder	6		Healthy	
160	Box Elder	7		Healthy	

Tree ID #	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments
165	Box Elder		10	Healthy	
166	Box Elder		7	Healthy	
167	Maple/Sugar		20	Healthy	
170	Maple/Sugar		6	Healthy	
171	Maple/Sugar		20	Healthy	
172	Maple/Sugar		11	Healthy	
174	Maple/Sugar		6	Healthy	
176	Maple/Sugar		6	Healthy	
179	Maple/Sugar		10	Healthy	
180	Maple/Sugar		9	Healthy	
181	Maple/Sugar		27	Healthy	
182	Maple/Sugar		5	Healthy	
183	Maple/Sugar		23	Healthy	
184	Maple/Sugar		6	Healthy	
185	Maple/Sugar		18	Healthy	
186	Maple/Sugar		6	Healthy	
187	Maple/Sugar		18	Healthy	
188	Maple/Sugar		6	Healthy	
189	Maple/Sugar		8	Healthy	
191	Elm/American		8	Healthy	
192	Elm/American		10	Healthy	
201	Elm/American		9	Healthy	
202	Elm/American		14	Healthy	
203	Cottonwood		33	Healthy	
204	Elm/American		6	Healthy	
205	Cottonwood		29	Healthy	
206	Cottonwood		32	Healthy	
207	Cottonwood		28	Healthy	
212	Box Elder		16	Healthy	
217	Box Elder		8	Healthy	
218	Box Elder		18	Healthy	
219	Box Elder		16	Healthy	
220	Box Elder		12	Healthy	
221	Box Elder		18	Healthy	
222	Elm/American		15	Healthy	
223	Elm/American		9	Healthy	
224	Box Elder		20	Healthy	
226	Box Elder		16	Healthy	
228	Box Elder		23	Healthy	
230	Box Elder		8	Healthy	
231	Box Elder		12	Healthy	
232	Box Elder		16	Healthy	
233	Box Elder		8	Healthy	
236	Box Elder		11	Healthy	
241	Box Elder		10	Healthy	
242	Box Elder		12	Healthy	
243	Box Elder		12	Healthy	
244	Box Elder		25	Healthy	
246	Box Elder		8	Healthy	
247	Box Elder		8	Healthy	
248	Box Elder		11	Healthy	
249	Cottonwood		30	Healthy	
251	Box Elder		13	Healthy	
254	Box Elder		8	Healthy	
255	Box Elder		12	Healthy	
256	Box Elder		8	Healthy	
258	Box Elder		8	Healthy	
266	Box Elder		8	Healthy	
268	Box Elder		23	Healthy	
270	Box Elder		7	Healthy	
271	Box Elder		6	Healthy	
273	Box Elder		12	Healthy	
275	Box Elder		14	Healthy	
276	Box Elder		14	Healthy	
277	Box Elder		13	Healthy	
279	Box Elder		30	Healthy	
280	Box Elder		10	Healthy	
284	Willow/Black		33	Healthy	
285	Cedar/White		5 11-20	Healthy	
286	Cedar/White		5 11-20	Healthy	
287	Cedar/White		5 11-20	Healthy	
288	Cedar/White		5 11-20	Healthy	
289	Birch/River		12	Healthy	
290	Birch/River		10	Healthy	
291	Birch/River		13	Healthy	
292	Birch/River		6	Healthy	
293	Birch/River		8	Healthy	
294	Birch/River		10	Healthy	
296	Birch/River		10	Healthy	

Tree ID #	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments
297	Box Elder		7	Healthy	
298	Box Elder		6	Healthy	
299	Box Elder		7	Healthy	
300	Box Elder		6	Healthy	
301	Box Elder		15	Healthy	
302	Box Elder		7	Healthy	
303	Box Elder		9	Dead	
304	Birch/River		15	Healthy	
305	Tamarack		10 21-40	Healthy	
306	Birch/River		16	Healthy	
307	Box Elder		6	Healthy	
309	Chokecherry		14	Healthy	

Total # Trees Saved =	170
Total DBH (inches) Saved =	2346
Number of Healthy Trees Saved =	169
Number of Dead or Dying Trees Saved =	1



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Lucius Jonett
LUCIUS JONETT

LICENSE NO.: 52856
DATE: 10-31-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	09/09/2024
02	90% PLAN SET	10/30/2024

PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

CLIENT:

3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03

DWN BY: LNJ CHKD BY: LNJ APPD BY: LNJ

ISSUE DATE: 10/30/2024

ISSUE NO.: 02

SHEET TITLE:
TREE SURVEY - TREES SAVED

SHEET NO.:
C-104

11/12/2024 2:35:35 PM

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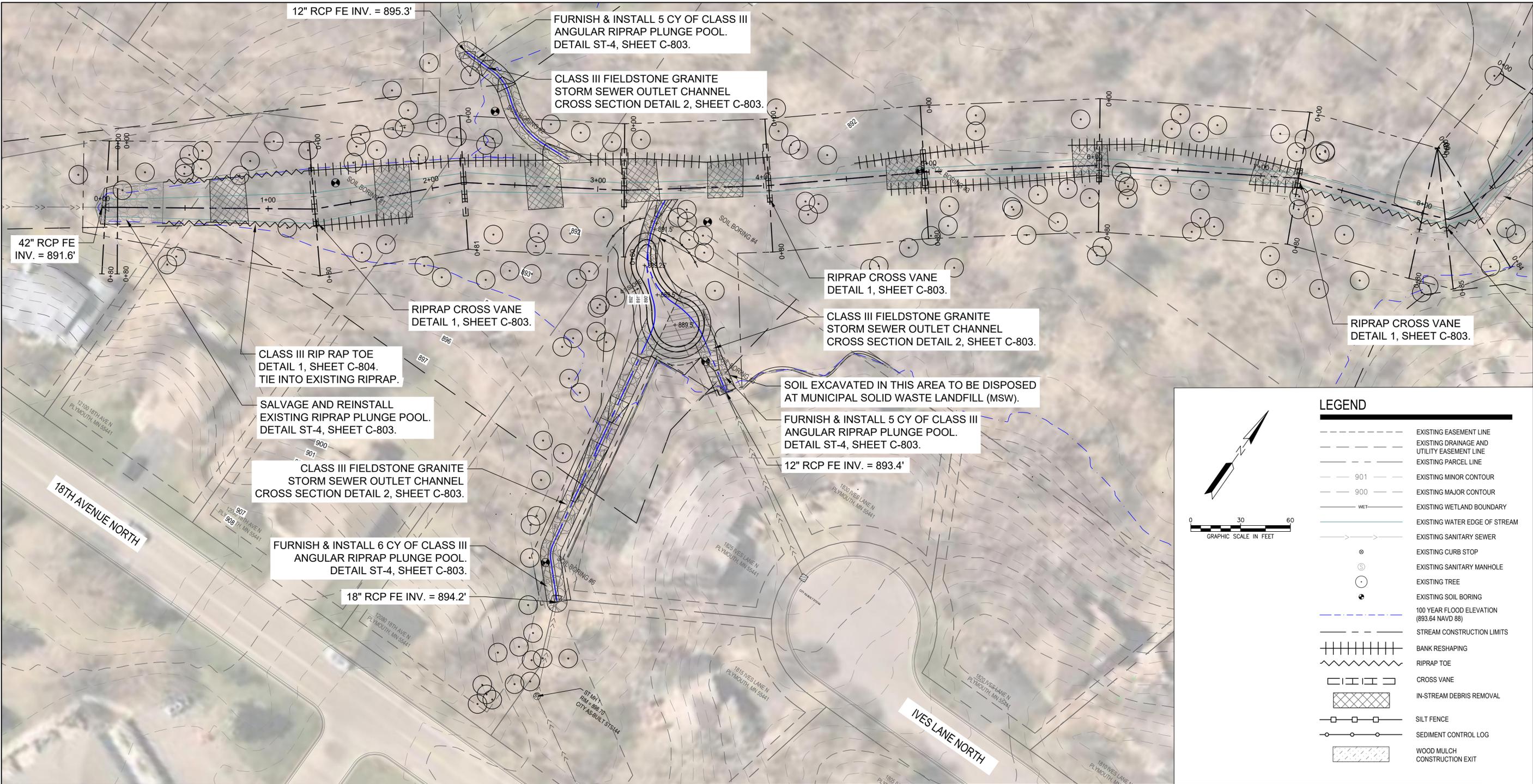
Lucius Jonett
LUCIUS JONETT

LICENSE NO.: 52856

DATE: 10-31-2024

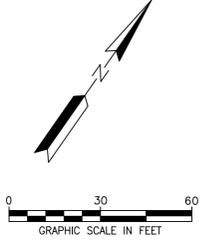
ISSUE NO.	DESCRIPTION
01	60% PLAN SET
02	90% PLAN SET

DATE	DESCRIPTION
10/30/2024	60% PLAN SET
10/30/2024	90% PLAN SET

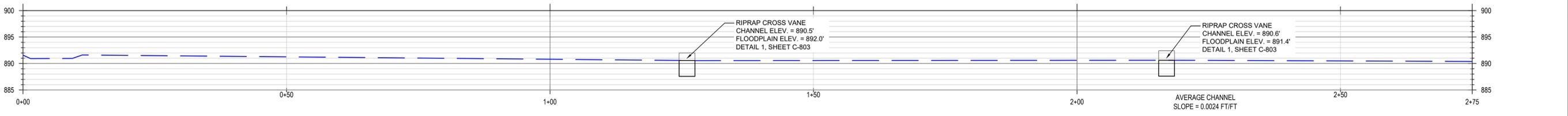


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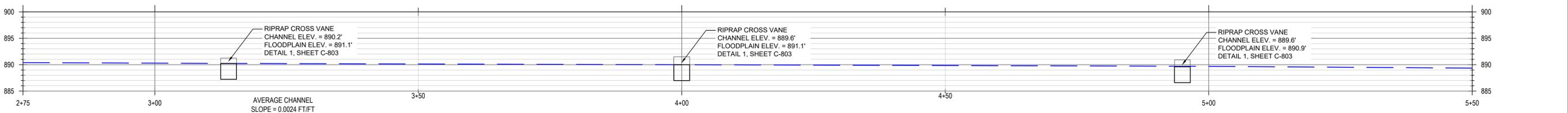
- EXISTING EASEMENT LINE
- EXISTING DRAINAGE AND UTILITY EASEMENT LINE
- EXISTING PARCEL LINE
- 901 --- EXISTING MINOR CONTOUR
- 900 --- EXISTING MAJOR CONTOUR
- WET --- EXISTING WETLAND BOUNDARY
- EXISTING WATER EDGE OF STREAM
- EXISTING SANITARY SEWER
- EXISTING CURB STOP
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- EXISTING SOIL BORING
- 100 YEAR FLOOD ELEVATION (893.64 NAVD 88)
- STREAM CONSTRUCTION LIMITS
- BANK RESHAPING
- RIPRAP TOE
- CROSS VANE
- IN-STREAM DEBRIS REMOVAL
- SILT FENCE
- SEDIMENT CONTROL LOG
- WOOD MULCH CONSTRUCTION EXIT



Stream Center Line Profile Sta 0+00 to 2+75



Stream Center Line Profile Sta 2+75 to 5+50



PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

PROJECT TITLE:

CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03

DWN BY: LNJ CHKD BY: LNJ APPD BY: LNJ

ISSUE DATE: 10/30/2024

ISSUE NO.: 02

SHEET TITLE:
CHANNEL STABILIZATION PLAN 1

SHEET NO.:
C-110

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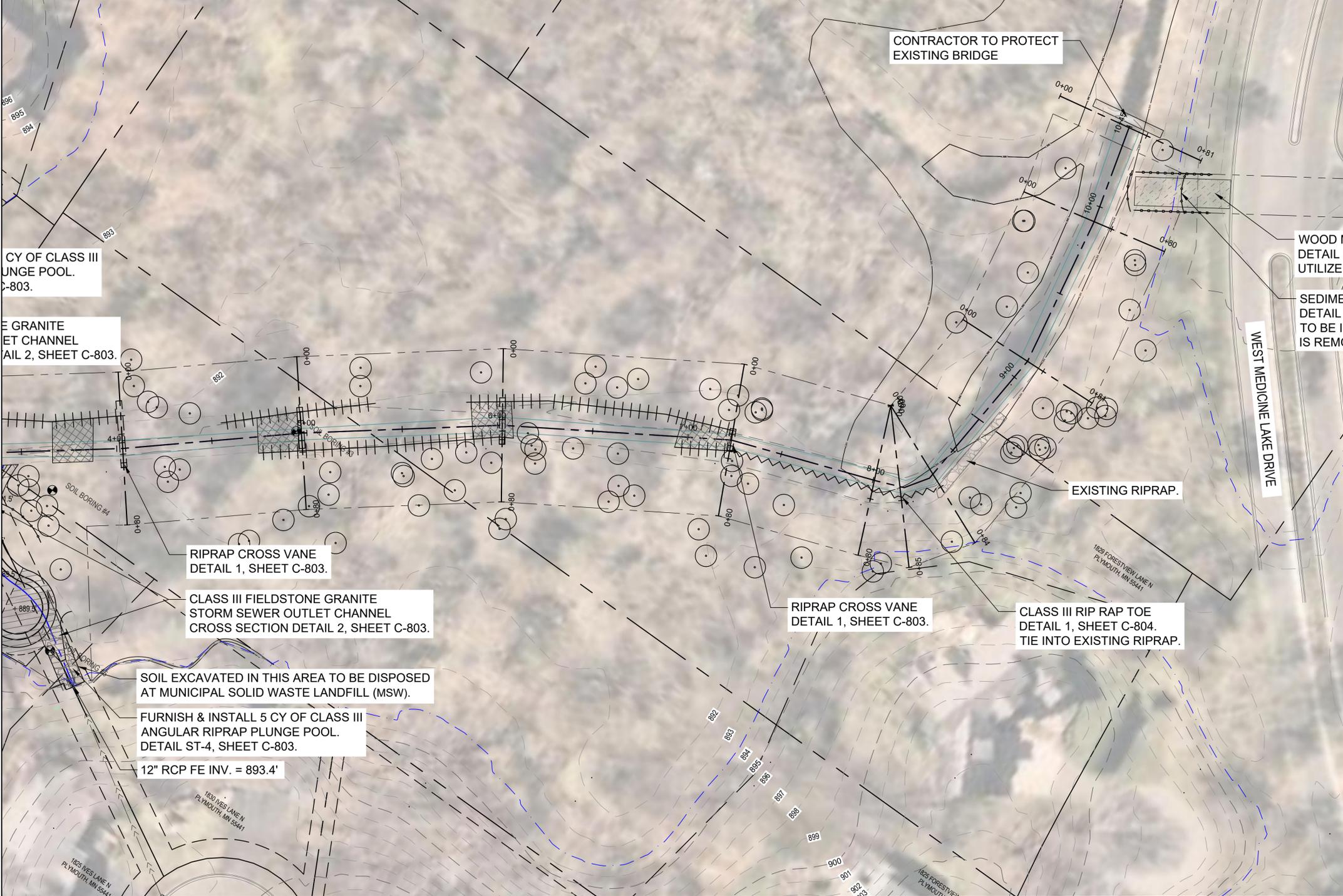
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Lucius Jonett
LUCIUS JONETT

LICENSE NO.: 52856

DATE: 10-31-2024

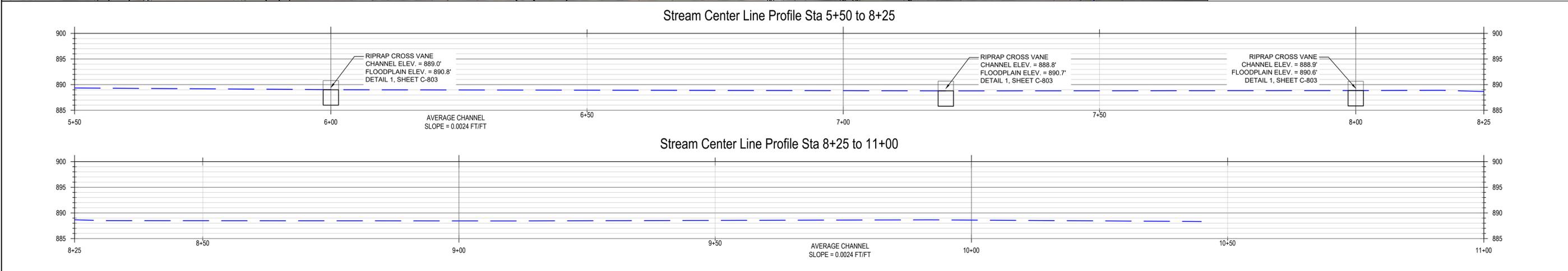
ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	10/30/2024
02	90% PLAN SET	10/30/2024



LEGEND

- EXISTING EASEMENT LINE
- EXISTING DRAINAGE AND UTILITY EASEMENT LINE
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- 901 --- EXISTING MINOR CONTOUR
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- EXISTING CURB STOP
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- EXISTING SOIL BORING
- 100 YEAR FLOOD ELEVATION (893.64 NAVD 88)
- STREAM CONSTRUCTION LIMITS
- BANK RESHAPING
- RIPRAP TOE
- CROSS VANE
- IN-STREAM DEBRIS REMOVAL
- SILT FENCE
- SEDIMENT CONTROL LOG
- WOOD MULCH CONSTRUCTION EXIT

0 30 60
GRAPHIC SCALE IN FEET



PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

PROJECT TITLE:
CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

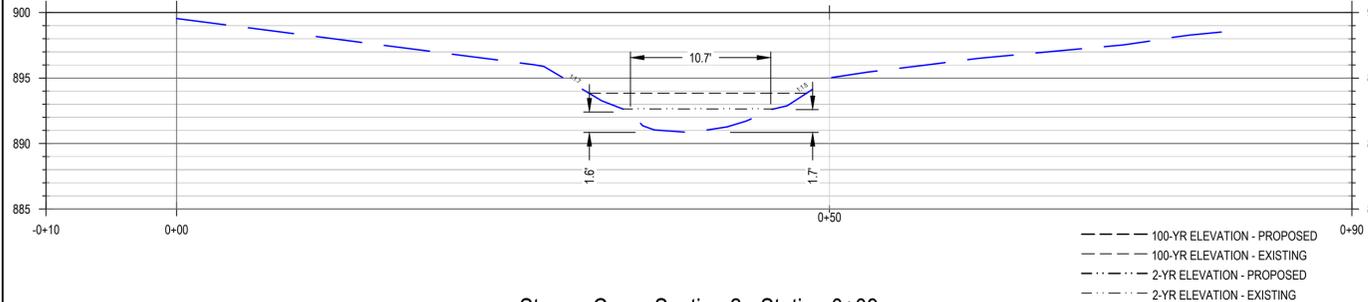
PROJECT NO.: 0017-03
DWN BY: LNJ CHKD BY: LNJ APPD BY: LNJ
ISSUE DATE: 10/30/2024
ISSUE NO.: 02
SHEET TITLE:
CHANNEL STABILIZATION PLAN 2
SHEET NO.:
C-111

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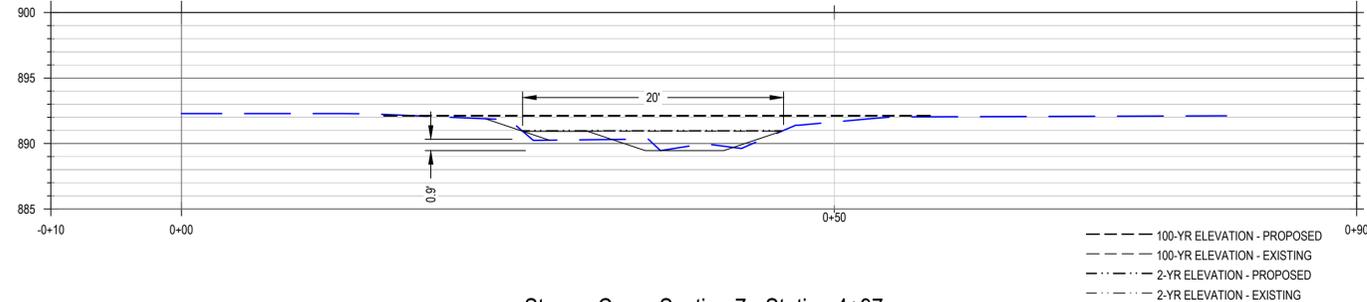
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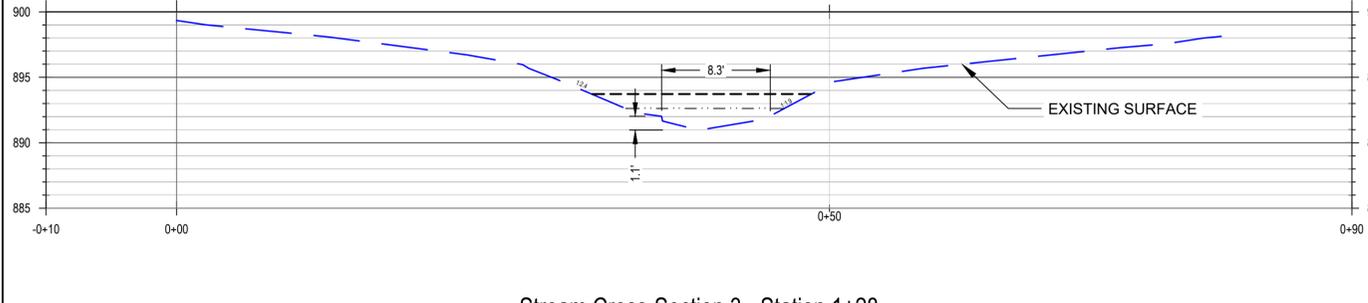
Stream Cross-Section 1 - Station 0+00



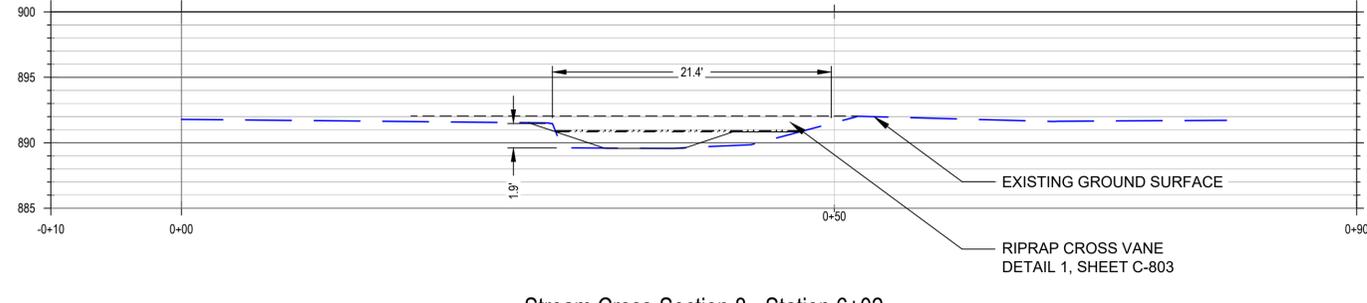
Stream Cross-Section 6 - Station 4+03



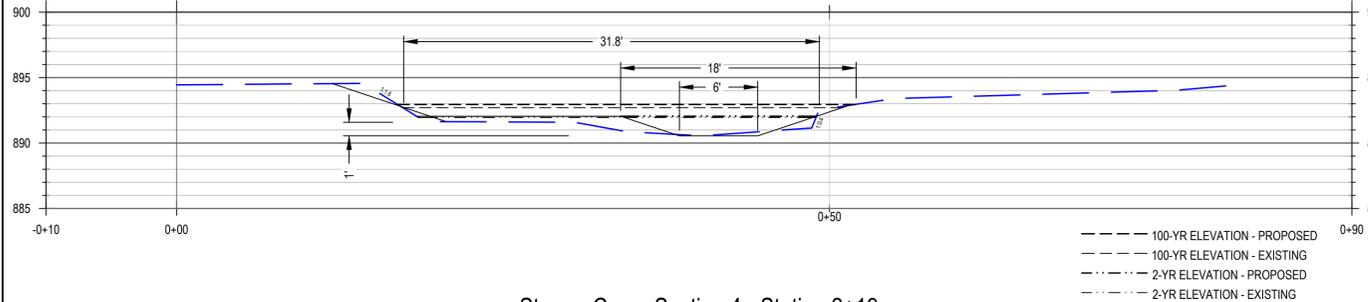
Stream Cross-Section 2 - Station 0+09



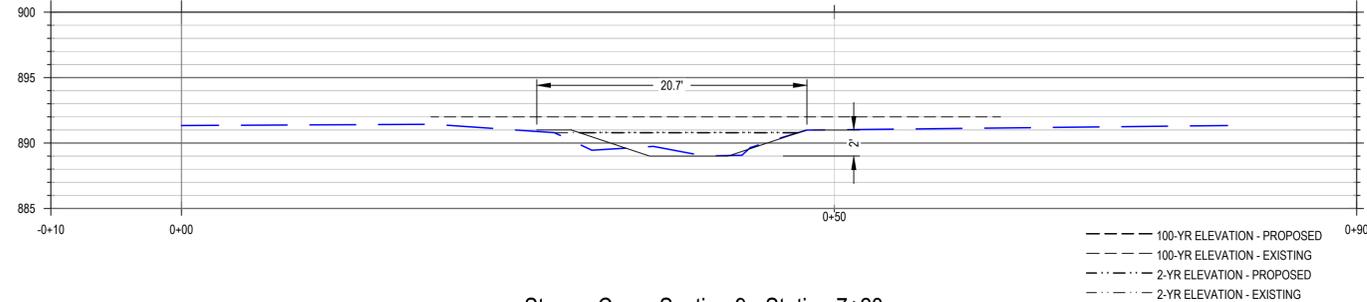
Stream Cross-Section 7 - Station 4+97



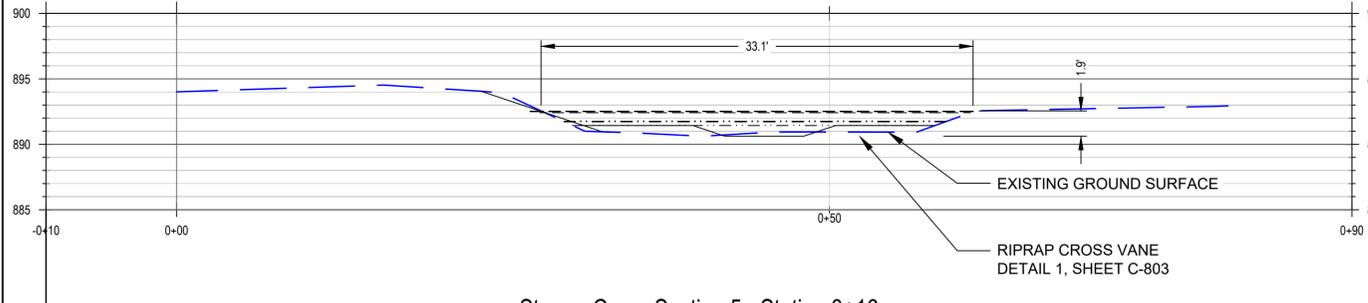
Stream Cross-Section 3 - Station 1+28



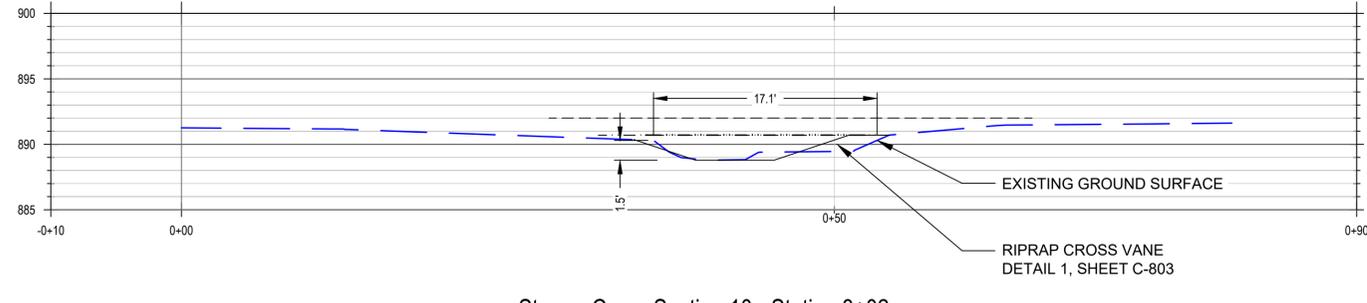
Stream Cross-Section 8 - Station 6+02



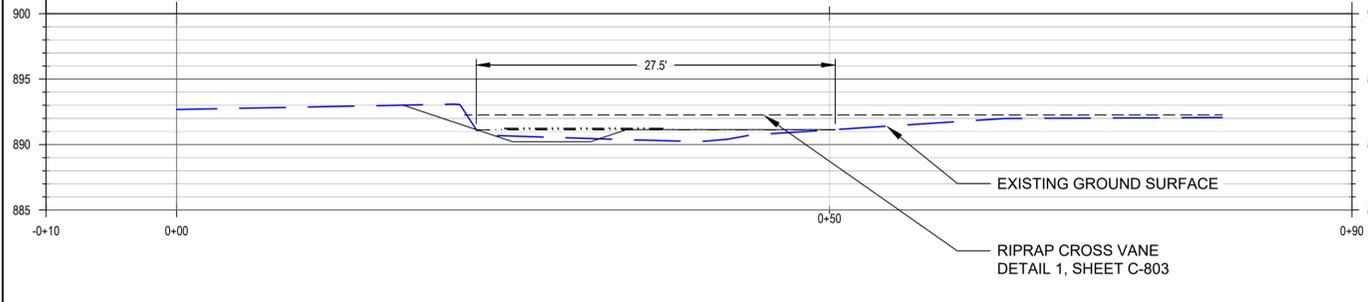
Stream Cross-Section 4 - Station 2+19



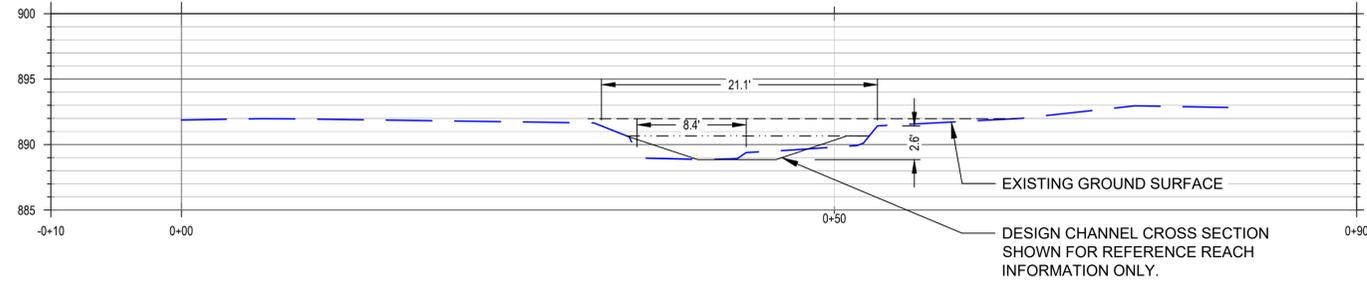
Stream Cross-Section 9 - Station 7+23



Stream Cross-Section 5 - Station 3+16



Stream Cross-Section 10 - Station 8+02



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DWN BY: LNJ
CHKD BY: LNJ
APPD BY: LNJ

ISSUE DATE: 10/30/2024

ISSUE NO.: 02

SHEET TITLE:
CHANNEL CROSS SECTIONS

SHEET NO.:
C-120

11/12/2024 2:37:12 PM

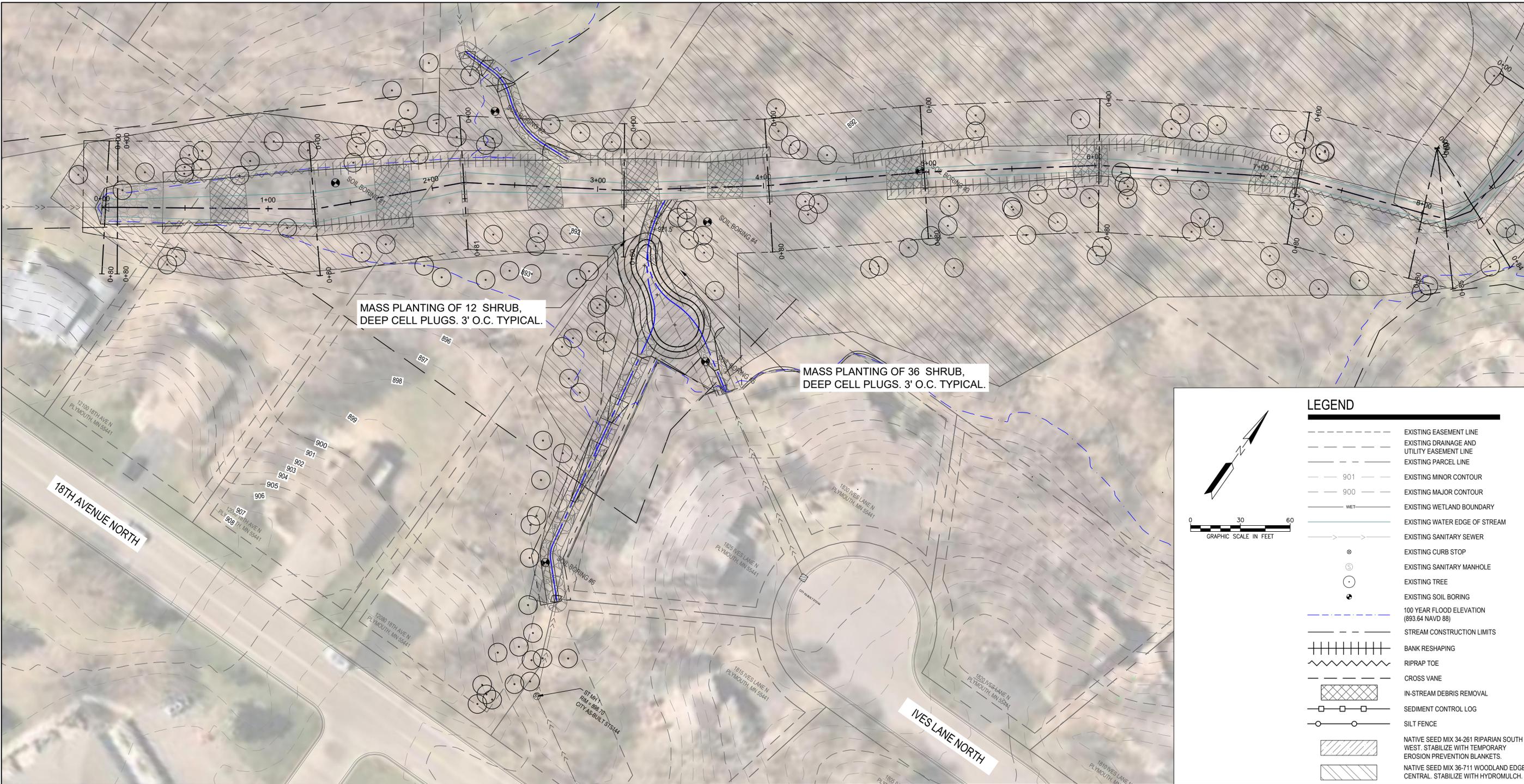
CERTIFICATION:
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Lucius Jonett
LUCIUS JONETT

LICENSE NO.: 52856

DATE: 10-31-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	10/30/2024
02	90% PLAN SET	10/30/2024

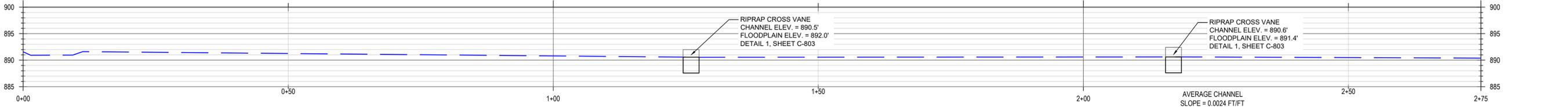


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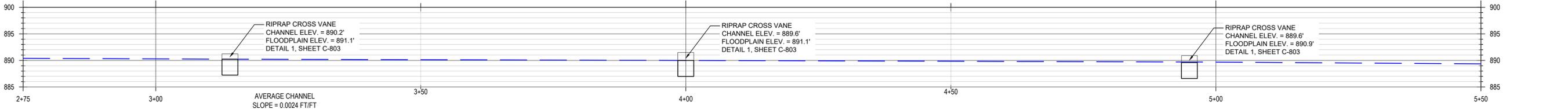
- EXISTING EASEMENT LINE
- EXISTING DRAINAGE AND UTILITY EASEMENT LINE
- EXISTING PARCEL LINE
- 901 --- EXISTING MINOR CONTOUR
- 900 --- EXISTING MAJOR CONTOUR
- WET --- EXISTING WETLAND BOUNDARY
- EXISTING WATER EDGE OF STREAM
- EXISTING SANITARY SEWER
- EXISTING CURB STOP
- EXISTING SANITARY MANHOLE
- EXISTING TREE
- EXISTING SOIL BORING
- 100 YEAR FLOOD ELEVATION (893.64 NAVD 88)
- STREAM CONSTRUCTION LIMITS
- BANK RESHAPING
- RIPRAP TOE
- CROSS VANE
- IN-STREAM DEBRIS REMOVAL
- SEDIMENT CONTROL LOG
- SILT FENCE
- NATIVE SEED MIX 34-261 RIPARIAN SOUTH WEST. STABILIZE WITH TEMPORARY EROSION PREVENTION BLANKETS.
- NATIVE SEED MIX 36-711 WOODLAND EDGE CENTRAL. STABILIZE WITH HYDROMULCH.

0 30 60
GRAPHIC SCALE IN FEET

Stream Center Line Profile Sta 0+00 to 2+75



Stream Center Line Profile Sta 2+75 to 5+50



PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

PROJECT TITLE:
CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03
DWN BY: LNJ
CHKD BY: LNJ
APPD BY: LNJ
ISSUE DATE: 10/30/2024
ISSUE NO.: 02

SHEET TITLE:
REVEGETATION PLAN 1

SHEET NO.:
C-130

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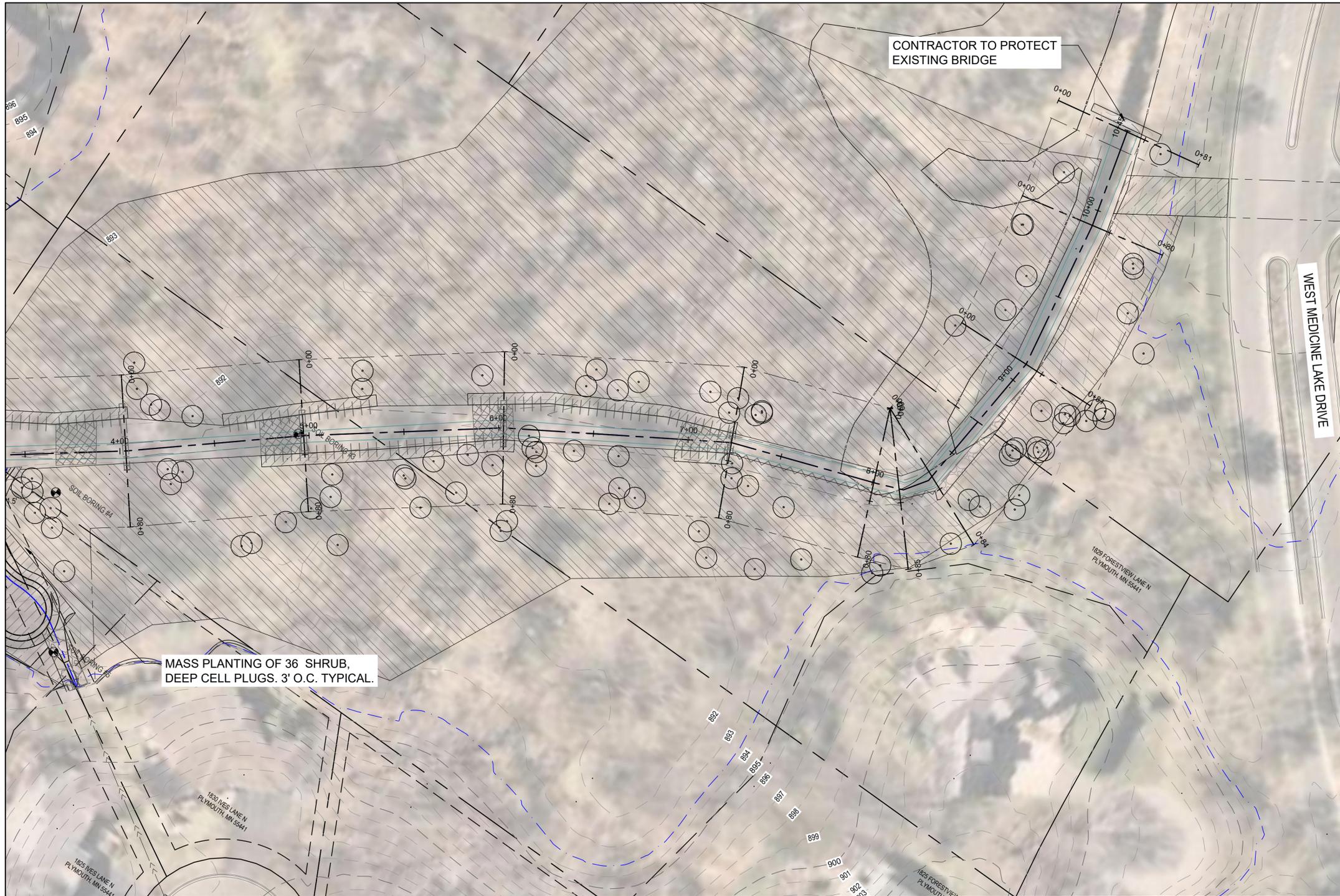
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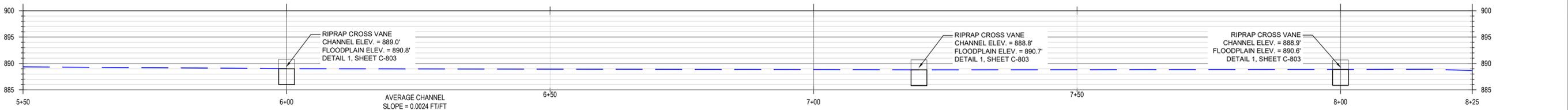
MASS PLANTING OF 36 SHRUB, DEEP CELL PLUGS. 3' O.C. TYPICAL.

LEGEND

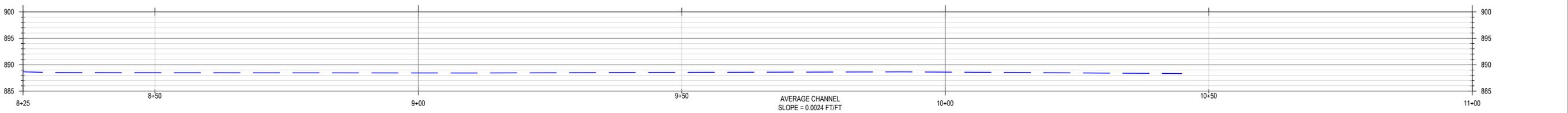
- EXISTING EASEMENT LINE
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- 901 EXISTING MINOR CONTOUR
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- NATIVE SEED MIX 36-711 WOODLAND EDGE CENTRAL. STABILIZE WITH HYDROMULCH.

0 30 60
GRAPHIC SCALE IN FEET

Stream Center Line Profile Sta 5+50 to 8+25



Stream Center Line Profile Sta 8+25 to 11+00



PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03
DWN BY: LNJ | CHKD BY: LNJ | APPD BY: LNJ
ISSUE DATE: 10/30/2024
ISSUE NO.: 02

SHEET TITLE:
REVEGETATION PLAN 2

SHEET NO.:
C-131

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 LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

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LUCIUS JONETT
LICENSE NO.: 52856
DATE: 10-31-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	10/30/2024
02	90% PLAN SET	10/30/2024

PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

PROJECT TITLE:
CLIENT:



PROJECT NO.: 0017-03

DWN BY: LNJ | CHKD BY: LNJ | APPD BY: LNJ

ISSUE DATE: 10/30/2024

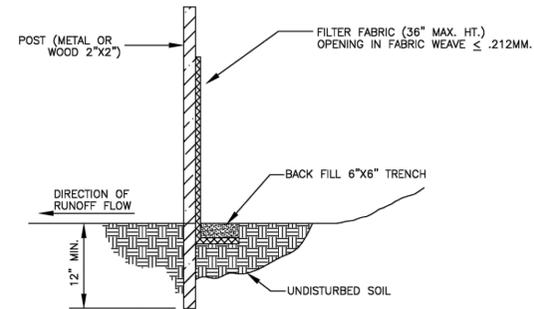
ISSUE NO.: 02

SHEET TITLE:
DETAILS

SHEET NO.:
C-801

NOTES:

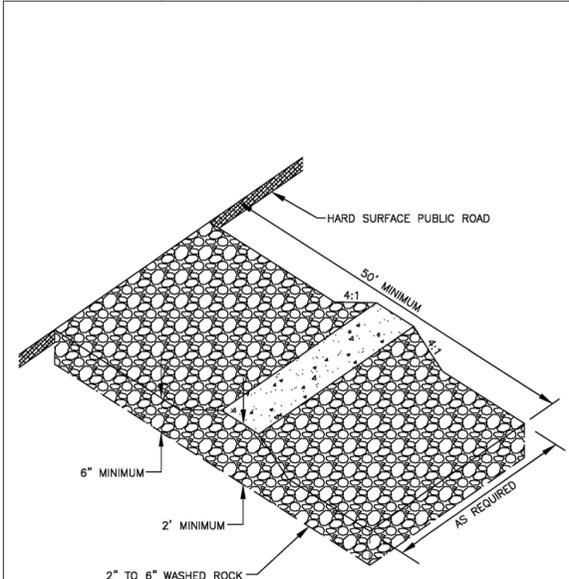
1. DIG A 6"x6" TRENCH ALONG THE INTENDED FENCE LINE.
2. DRIVE ALL POSTS INTO THE GROUND AT THE DOWNHILL SIDE OF THE TRENCH.
3. LAY OUT SILT FENCE ON THE UPHILL SIDE ALONG THE FENCE LINE, AND BACK FILL.
4. WOOD POSTS MAY BE SPACED UP TO 5 FEET APART. STEEL POSTS MAY BE SPACED UP TO 6 FEET APART
5. REMOVE SILT FENCE AFTER TURF IS ESTABLISHED.



STANDARD DETAILS
SILT FENCE DETAIL
CITY OF PLYMOUTH

PUBLISHED 1-24
CITY PL. NO. ST-18
REVISED 1-20

2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION
[Back to Index page](#)
02300 - 30



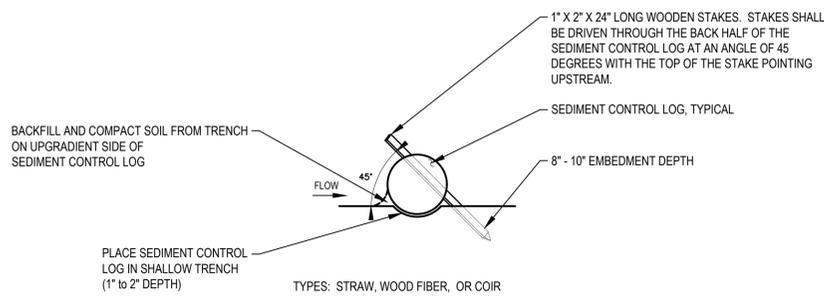
NOTES:
ROCK SHOULD BE 2" TO 6" IN SIZE SUCH AS WASHED ROCK OR CRUSHED CONCRETE.
A GEOTEXTILE FABRIC MAY BE USED UNDER THE ROCK TO PREVENT MIGRATION OF THE UNDERLYING SOIL INTO THE STONE.

STANDARD DETAILS
ROCK EXIT TO CONSTRUCTION SITE
CITY OF PLYMOUTH

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

2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION
[Back to Index page](#)
02300 - 31

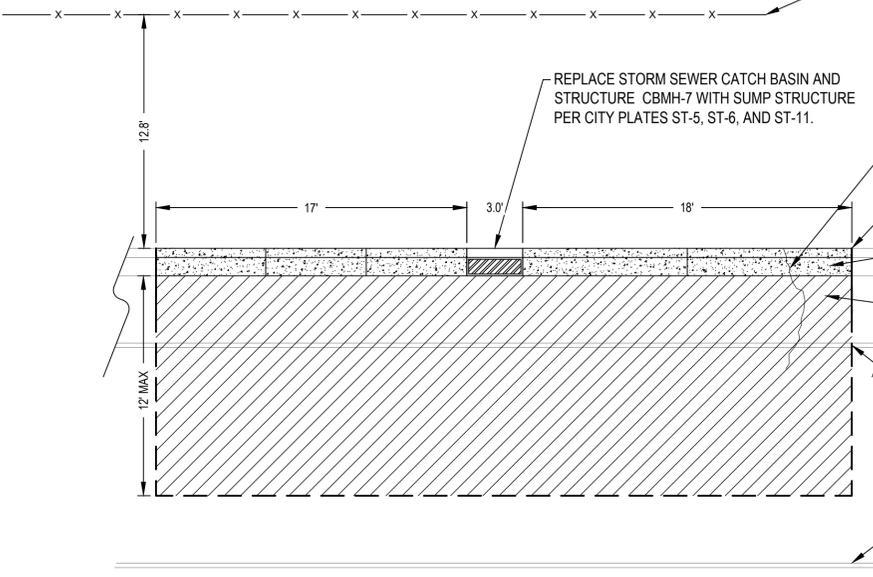
NOTE: OVERLAP ADJACENT LOGS A MINIMUM OF 12"



1 SEDIMENT CONTROL LOGS
C-801 NOT TO SCALE

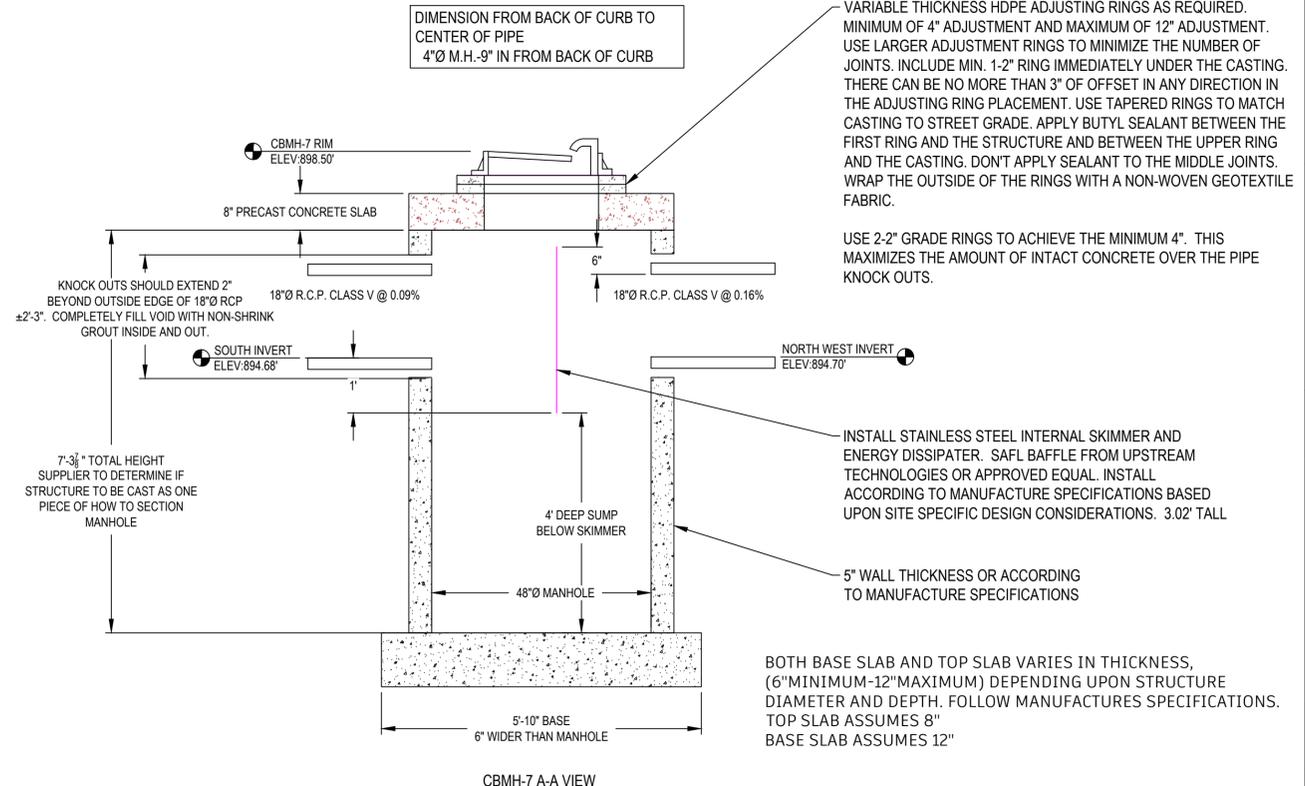


PERSPECTIVE VIEW

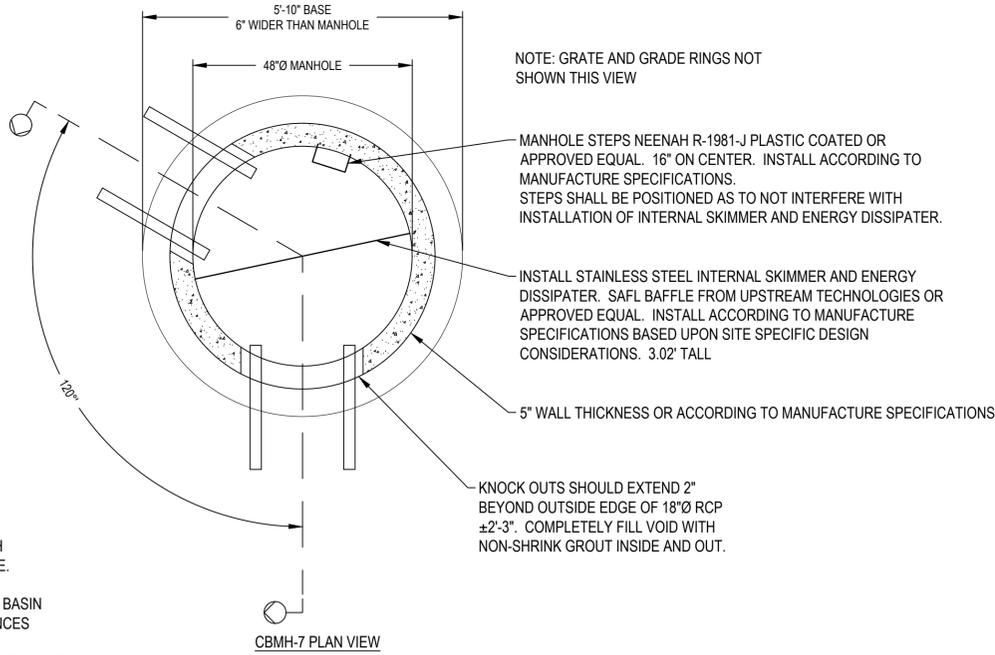


PLAN VIEW

1 STORM SEWER INLET AND PAVEMENT REMOVAL & REPLACEMENT PLAN
C-802 NOT TO SCALE



CBMH-7 A-A VIEW



CBMH-7 PLAN VIEW

NOTE: 24"X36" SLAB OPENING FOR NEENAH R-3067-V OR -VB CASTING AND TYPE GRATE.

OTHER POTENTIALLY ACCEPTABLE CATCH BASIN CASTINGS DEPENDING UPON CIRCUMSTANCES AND SUBJECT TO CITY APPROVAL:
NEENAH R-2561-A BEEHIVE GRATE & CASTING
NEENAH R-2573 CONCAVE GRATE & CASTING
NEENAH R-2577 CONVEX GRATE & CASTING
NEENAH R-3250-1 GRATE & CASTING
NEENAH R-3290-A FOR CROSS GUTTERS
NEENAH R-3501-TR & TL FOR SURMOUNTABLE CURB
NEENAH R-4342 WITH CONCRETE MNDOT FRAME PLATE #4143E

CONTRACTOR SHALL USE RAMNEK OR SIMILAR GASKET TYPE MATERIAL TO BE PLACED BETWEEN SLAB AND TOP OF MANHOLE. IF MORE THAN ONE MANHOLE SECTION IS USED ALL JOINTS SHALL HAVE RUBBER GASKET. USE MATERIALS AND INSTALL ACCORDING TO MANUFACTURE SPECIFICATIONS.

2 CBMH-7 SUMP STRUCTURE WITH SAFL BAFFLE DETAILS
C-802 NOT TO SCALE

MIDWEST WETLAND
improvements
P.O. BOX 448
VICTORIA, MN 55386
PHONE: (952) 261-9990
WWW.MIDWESTWETLANDS.COM

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PONDEROSA WOODS STREAM RESTORATION PROJECT
CITY PROJECT # WR210003

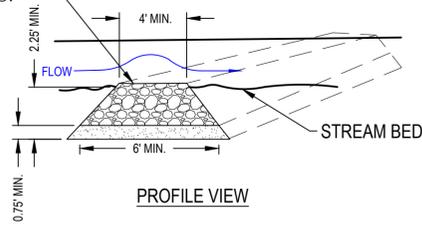
PROJECT TITLE:
CLIENT:
City of Plymouth
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
PHONE: 763-509-5000
WWW.PLYMOUTHMN.COM

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DWN BY: LNJ
CHKD BY: LNJ
APPD BY: LNJ
ISSUE DATE: 10/30/2024
ISSUE NO.: 02

SHEET TITLE:
DETAILS

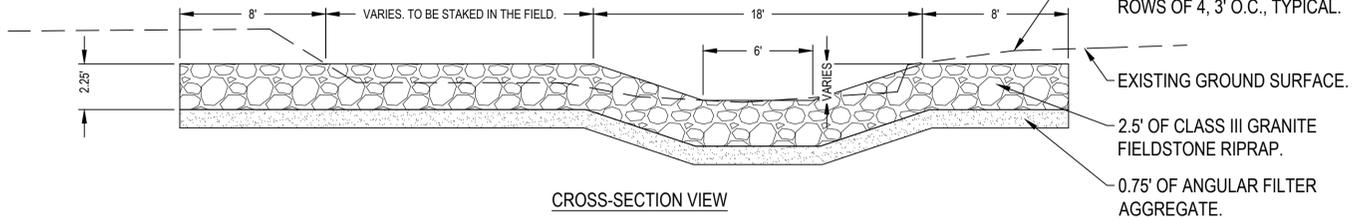
SHEET NO.:
C-802

TOP OF CROSS VANE APEX SHALL BE 0.5' ABOVE STREAM BED. SEE CHANNEL PROFILE FOR ELEVATIONS.



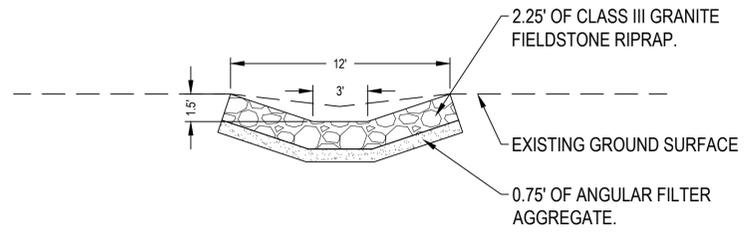
PROFILE VIEW

KEY EDGES OF CROSS VANES INTO EXISTING BANKS. AREA AROUND BURIED KEYS TO BE PLANTED WITH 12 SHRUBS, 3 ROWS OF 4, 3' O.C., TYPICAL.

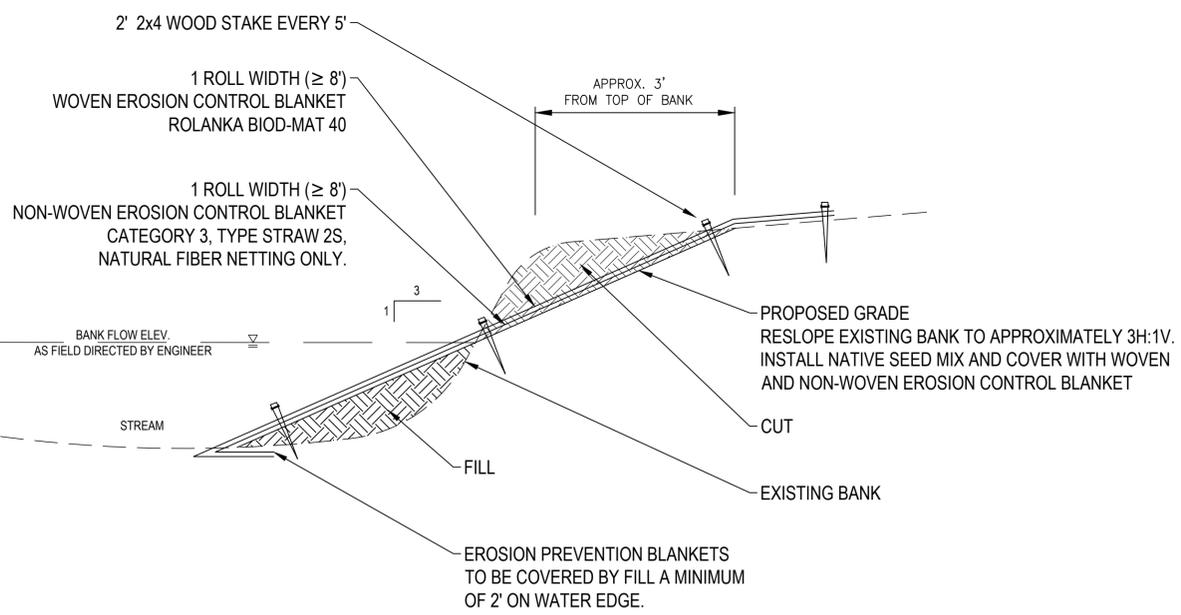


CROSS-SECTION VIEW

1 RIP RAP CROSS VANE
C-803 NOT TO SCALE



2 STORM SEWER OUTLET CHANNEL CROSS SECTION
C-803 NOT TO SCALE



3 BANK RESHAPING CROSS SECTION
C-803 NOT TO SCALE

MINIMUM RIPRAP REQUIRED			
DIA. OF PIPE (IN.)	L (FT.)	QUANTITY (C.Y.)	CLASS
12	8	5	III
15	8	5	III
18	10	6	III
24	12	8	III
30	14	12	III
36	16	14	III
42	18	22	IV
48	20	26	IV
>48	22-28	30-40	IV

NOTE: ONE CUBIC YARD IS APPROXIMATELY 1.4 TONS.

SECTION B-B

SECTION A-A

STANDARD DETAILS
RIPRAP DETAIL FOR FLARED END SECTIONS
CITY OF PLYMOUTH

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

2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION
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02300 - 16

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SHEET TITLE:
DETAILS
SHEET NO.:
C-803

