

SITE CONSTRUCTION PLANS

Item 5A.
BCWMC 10-17-24

FOR PONDEROSA WOODS STREAM RESTORATION PROJECT CP WR210003 PLYMOUTH, MN

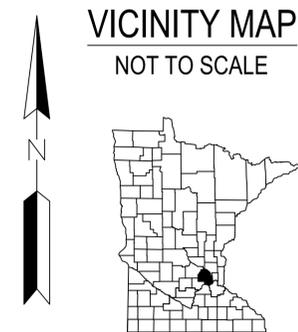
Project Team

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PROJECT LOCATION
CITY: PLYMOUTH
COUNTY: HENNEPIN



DRAWING INDEX	
Sheet Number	Sheet Title
G-101	COVER SHEET
G-102	CONSTRUCTION NOTES
C-101	SITE ACCESS AND REMOVALS
C-102	TREE SURVEY - TREES SAVED
C-103	TREE SURVEY - TREES REMOVED
C-110	CHANNEL STABILIZATION PLAN 1
C-111	CHANNEL STABILIZATION PLAN 2
C-120	CHANNEL CROSS SECTIONS
C-801	DETAILS
C-802	DETAILS
C-803	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
LICENSE NO.: 52856
DATE: XX-XX-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	09/09/2024

PROJECT TITLE:
PONDEROSA WOODS STREAM RESTORATION PROJECT CP WR210003
12110 18TH AVE N
PLYMOUTH, MN 55441

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: 09/09/2024

ISSUE NO.: 01

SHEET TITLE:
COVER SHEET

SHEET NO.:
G-101

GOVERNING SPECIFICATIONS

- 1. CITY OF PLYMOUTH 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. 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.
4. CONTRACTOR SHALL ANTICIPATE PRIVATE UTILITY CONFLICTS THROUGHOUT THE PROJECT AREAS AND MUST COORDINATE THE RELOCATION OR PROTECTION OF EXISTING UTILITIES.
5. QUANTITIES ARE APPROXIMATE, AND MAY VARY TO ALLOW COMPLETION OF WORK.

GENERAL NOTES - CONT.

- 1. WORK AND MATERIALS MUST COMPLY WITH CITY, COUNTY, STATE, AND FEDERAL (INCLUDING OSHA) REGULATIONS AND CODES.
2. CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS TO ADJACENT PROPERTIES THROUGHOUT CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE AND MAINTAIN MAIL, GARBAGE, AND RECYCLING SERVICES TO PROPERTIES THROUGHOUT CONSTRUCTION.
4. CONSTRUCTION LIMITS ARE TO PROPERTY LINE UNLESS SHOWN OR NOTED OTHERWISE.
5. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING PAVEMENT, SITE FEATURES, UTILITIES, TREES, ETC., UNLESS NOTED OR SHOWN OTHERWISE.
6. 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, TO OWNER'S SATISFACTION, AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION AND WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES.
8. CONTRACTOR MUST IMMEDIATELY NOTIFY THE OWNER AND ENGINEER OF DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS BEFORE COMMENCING WORK.
9. CONTRACTOR SHALL HAVE ONE COPY OF EACH REQUIRED CONSTRUCTION PERMIT AND ONE COPY OF THE MOST CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS (INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT, SPECIAL CONDITIONS AND PROVISIONS, ETC.) AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
10. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR IMPLEMENTATION AND ENFORCEMENT OF SAFE WORK PRACTICES, INCLUDING BUT NOT LIMITED TO PERSONNEL MONITORING, USE OF TRENCHING, SHEETING, AND SHORING, SCAFFOLDING; MATERIALS HANDLING AND DRILLING; OPERATION OF EQUIPMENT; AND SAFETY OF PUBLIC DURING PROGRESS OF WORK.
11. CONTRACTOR SHALL PLAN FOR AND ENSURE PERSONNEL COMPLY WITH PROVISIONS OF OSHA SAFETY AND HEALTH STANDARDS (29 CFR 1910) AND GENERAL CONSTRUCTION STANDARDS (29 CFR 1926) AS APPROPRIATE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH WORK.
13. HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO OIL, GASOLINE, PAINT AND OTHER HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, BY THE CONTRACTOR, INCLUDING SECONDARY CONTAINMENTS, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE.

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 NPDES PERMIT AND SWPPP REQUIREMENTS.
3. BEFORE SITE DISTURBANCE AND AS REQUIRED AS CONSTRUCTION PROGRESSES, CONTRACTOR SHALL INSTALL, MAINTAIN, REPAIR, AND REPLACE EROSION PREVENTION MEASURES AND SEDIMENT CONTROL DEVICES (INLET PROTECTION, CONSTRUCTION ENTRANCE, SILT FENCE, TEMPORARY EROSION PREVENTION BLANKET, ETC.) IN ACCORDANCE WITH THE SWPPP, NPDES PERMIT, AND CITY, STATE, AND WATERSHED DISTRICT PERMITS.
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 IN THAT PORTION OF THE SITE THAT HAS TEMPORARILY (WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS) OR PERMANENTLY CEASED.
6. CONTRACTOR SHALL REMOVE ANY SEDIMENT THAT HAS TRACKED ONTO PAVED SURFACES BOTH ON AND OFFSITE WITHIN 24 HOURS AND AS DIRECTED BY CITY, OWNER, ENGINEER.
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 AS DIRECTED BY ENGINEER.
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 SEEDED AT 220 LB/ACRE
11.2. 34-261 RIPARIAN SOUTH & WEST MIX SEEDED AT 31.5 LB/ACRE

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 NECESSARILY BEEN DESIGNED TO BALANCE THE ON-SITE MATERIALS.
4. CONTRACTOR SHALL PROVIDE TOPSOIL, SEED/SOD, AND MULCH IN ACCORDANCE WITH THE SITE PLAN.
5. ALL DISTURBED PERVIOUS 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.
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, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION.

TREE PRESERVATION NOTES

- 1. CONTRACTOR SHALL PROTECT EXISTING TREES THAT ARE NOT TO BE REMOVED.
2. WHEN TREE ROOTS ARE ENCOUNTERED THAT MUST BE REMOVED, CONTRACTOR SHALL CUT ROOTS CLEANLY AS FAR FROM THE TREE AS POSSIBLE AND IMMEDIATELY WATER AND BACKFILL OVER THE ROOTS TO PREVENT DRYING.
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
LICENSE NO.: 52856
DATE: XX-XX-2024

Table with columns: DATE, DESCRIPTION, ISSUE NO.

PONDEROSA WOODS STREAM RESTORATION PROJECT CP WR21003
12110 18TH AVE N
PLYMOUTH, MN 55441

CITY OF PLYMOUTH
3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447
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PROJECT NO.: 0017-03
DWN BY: LNJ
CHKD BY: LNJ
APPD BY: LNJ
ISSUE DATE: 09/09/2024
ISSUE NO.: 01

SHEET TITLE:
CONSTRUCTION NOTES

SHEET NO.:
G-102

Tree ID #	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments	Tree ID #	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments	Tree ID #	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments
0	Willow/Black	7		Healthy		119	Hackberry	21		Healthy		220	Box Elder	12		Healthy	
1	Birch/River	10		Healthy		120	Elm/American	16		Healthy		221	Box Elder	18		Healthy	
2	Birch/River	8		Healthy		121	Elm/American	6		Healthy		222	Elm/American	15		Healthy	
3	Birch/Paper	5		Healthy	multi-stem 6 at 4in	122	Box Elder	13		Healthy		223	Elm/American	9		Healthy	
4	Birch/River	11		Healthy		123	Ash/Green	14		Healthy		224	Box Elder	20		Healthy	
5	Ash/Green	13		Healthy		124	Ash/Green	11		Healthy		226	Box Elder	16		Healthy	
6	Box Elder	14		Healthy		125	Box Elder	13		Healthy		228	Box Elder	23		Healthy	
8	Ash/Green	16		Healthy		126	Box Elder	6		Healthy		230	Box Elder	8		Healthy	
11	Box Elder	11		Healthy		128	Box Elder	14		Healthy		231	Box Elder	12		Healthy	
12	Cottonwood	13		Healthy		129	Box Elder	18		Healthy		232	Box Elder	16		Healthy	
13	Cottonwood	27		Healthy		130	Box Elder	12		Healthy		233	Box Elder	8		Healthy	
14	Cottonwood	15		Healthy		131	Box Elder	7		Healthy		234	Buckthorn	8		Healthy	
15	Box Elder	8		Healthy		132	Ash/Green	18		Healthy		235	Buckthorn	7		Healthy	
16	Cottonwood	28		Healthy		133	Elm/American	17		Healthy		236	Box Elder	11		Healthy	
19	Box Elder	15		Healthy		134	Box Elder	8		Healthy		237	Buckthorn	6		Healthy	
20	Box Elder	6		Healthy		135	Box Elder	200		Healthy		241	Box Elder	10		Healthy	
22	Box Elder	15		Healthy		136	Box Elder	14		Healthy		242	Box Elder	12		Healthy	
23	Box Elder	6		Healthy		137	Box Elder	14		Healthy		243	Box Elder	12		Healthy	
25	Buckthorn	6		Healthy		140	Box Elder	16		Healthy		244	Box Elder	25		Healthy	
26	Box Elder	14		Healthy		141	Buckthorn	6		Healthy		246	Box Elder	8		Healthy	
29	Cottonwood	28		Healthy		144	Maple/Sugar	8		Healthy		247	Box Elder	8		Healthy	
30	Ash/Green	6		Healthy		145	Box Elder	6		Healthy		248	Box Elder	11		Healthy	
33	Ash/Green	9		Healthy		146	Elm/American	8		Healthy		249	Cottonwood	30		Healthy	
34	Box Elder	6		Healthy		147	Elm/American	9		Healthy		250	Buckthorn	6		Healthy	
35	Cottonwood	31		Healthy		148	Box Elder	15		Healthy		251	Box Elder	13		Healthy	
36	Box Elder	13		Healthy		149	Ash/Green	12		Healthy		252	Buckthorn	7		Healthy	
37	Cottonwood	15		Healthy		150	Ash/Green	21		Healthy		253	Buckthorn	6		Healthy	
39	Ash/Green	11		Healthy		151	Ash/Green	20		Healthy		254	Box Elder	8		Healthy	
40	Box Elder	15		Healthy		152	Elm/American	13		Healthy		255	Box Elder	12		Healthy	
41	Cottonwood	34		Healthy		153	Elm/Siberian	6		Healthy		256	Box Elder	8		Healthy	
42	Cottonwood	33		Healthy		157	Elm/American	6		Healthy		258	Box Elder	8		Healthy	
44	Buckthorn	6		Healthy		158	Box Elder	6		Healthy		260	Buckthorn	7		Healthy	
45	Box Elder	8		Healthy		159	Box Elder	6		Healthy		261	Buckthorn	6		Healthy	
57	Cottonwood	35		Healthy		160	Box Elder	7		Healthy		262	Buckthorn	6		Healthy	
58	Cottonwood	31		Healthy		161	Ash/Green	21		Healthy		266	Box Elder	8		Healthy	
61	Box Elder	8		Healthy		162	Ash/Green	23		Healthy		268	Box Elder	23		Healthy	
62	Box Elder	6		Healthy		163	Ash/Green	21		Healthy		269	Buckthorn	9		Healthy	
63	Elm/American	7		Healthy		164	Ash/Green	20		Healthy		270	Box Elder	7		Healthy	
66	Box Elder	8		Healthy		165	Box Elder	10		Healthy		271	Box Elder	6		Healthy	
67	Ash/Green	25		Healthy		166	Box Elder	7		Healthy		273	Box Elder	12		Healthy	
68	Elm/American	14		Healthy		167	Maple/Sugar	20		Healthy		275	Box Elder	14		Healthy	
69	Maple/Sugar	8		Healthy		168	Ash/Green	23		Healthy		276	Box Elder	14		Healthy	
70	Box Elder	16		Healthy		169	Ash/Green	22		Healthy		277	Box Elder	13		Healthy	
71	Maple/Sugar	6		Healthy		170	Maple/Sugar	6		Healthy		278	Willow/Black	30		Dead	fallen across creek
73	Maple/Sugar	8		Healthy		171	Maple/Sugar	20		Healthy		279	Box Elder	30		Healthy	
74	Box Elder	15		Healthy		172	Maple/Sugar	11		Healthy		280	Box Elder	10		Healthy	
75	Ash/Green	17		Healthy		173	Ash/Green	25		Healthy		282	Buckthorn	6		Healthy	
76	Maple/Sugar	9		Healthy		174	Maple/Sugar	6		Healthy		283	Buckthorn	6		Healthy	
77	Basswood/American	25		Dead	fallen	175	Ash/Green	15		Healthy		284	Willow/Black	33		Healthy	
78	Ash/Green	20		Dead		176	Maple/Sugar	6		Healthy		285	Cedar/White	5	11-20	Healthy	
79	Maple/Sugar	16		Healthy		177	Ash/Green	9		Healthy		286	Cedar/White	5	11-20	Healthy	
80	Ash/Green	28		Healthy		178	Ash/Green	19		Healthy		287	Cedar/White	5	11-20	Healthy	
81	Elm/American	18		Healthy		179	Maple/Sugar	10		Healthy		288	Cedar/White	5	11-20	Healthy	
82	Maple/Sugar	6		Healthy		180	Maple/Sugar	9		Healthy		289	Birch/River	12		Healthy	
83	Elm/American	8		Healthy		181	Maple/Sugar	27		Healthy		290	Birch/River	10		Healthy	
84	Elm/American	6		Healthy		182	Maple/Sugar	5		Healthy		291	Birch/River	13		Healthy	
85	Elm/American	7		Healthy		183	Maple/Sugar	23		Healthy		292	Birch/River	6		Healthy	
86	Ash/Green	10		Healthy		184	Maple/Sugar	6		Healthy		293	Birch/River	8		Healthy	
87	Maple/Sugar	6		Healthy		185	Maple/Sugar	18		Healthy		294	Birch/River	10		Healthy	
89	Box Elder	8		Healthy		186	Maple/Sugar	6		Healthy		296	Birch/River	10		Healthy	
92	Elm/American	18		Healthy		187	Maple/Sugar	18		Healthy		297	Box Elder	7		Healthy	
93	Elm/American	9		Healthy		188	Maple/Sugar	6		Healthy		298	Box Elder	6		Healthy	
94	Maple/Sugar	6		Healthy		189	Maple/Sugar	8		Healthy		299	Box Elder	7		Healthy	
96	Ash/Green	24		Healthy		191	Elm/American	8		Healthy		300	Box Elder	6		Healthy	
97	Ash/Green	22		Healthy		192	Elm/American	10		Healthy		301	Box Elder	15		Healthy	
98	Basswood/American	8		Healthy		193	Elm/American	12		Healthy		302	Box Elder	7		Healthy	
99	Basswood/American	8		Healthy		194	Ash/Green	12		Healthy		303	Box Elder	9		Dead	
100	Basswood/American	13		Healthy		195	Ash/Green	13		Healthy		304	Birch/River	15		Healthy	
101	Elm/American	10		Healthy		201	Elm/American	9		Healthy		305	Tamarack	10	21-40	Healthy	
103	Elm/American	9		Healthy		202	Elm/American	14		Healthy		306	Birch/River	16		Healthy	
104	Elm/American	15		Healthy		203	Cottonwood	33		Healthy		307	Box Elder	6		Healthy	
105	Box Elder	12		Healthy		204	Elm/American	6		Healthy		309	Chokecherry	14		Healthy	
106	Box Elder	11		Healthy		205	Cottonwood	29		Healthy							
107	Box Elder	12		Healthy		206	Cottonwood	32		Healthy							
108	Cottonwood	28		Healthy		207	Cottonwood	28		Healthy							
109	Maple/Sugar	15		Healthy		212	Box Elder	16		Healthy							
111	Maple/Sugar	9		Healthy		217	Box Elder	8		Healthy							
112	Maple/Sugar	12		Healthy		218	Box Elder	18		Healthy							
118	Basswood/American	14		Healthy		219	Box Elder	16		Healthy							

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LUCIUS JONETT

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DATE: XX-XX-2024

ISSUE NO:	01
DESCRIPTION:	60% PLAN SET
DATE:	09/09/2024

PROJECT TITLE: PONDEROSA WOODS STREAM RESTORATION PROJECT CP WR210003 12110 18TH AVE N PLYMOUTH, MN 55441

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: 09/09/2024

ISSUE NO.: 01

SHEET TITLE: TREE SURVEY - TREES SAVED

SHEET NO.: C-102

Tree ID #	Tree Species	Deciduous DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments
7	Cottonwood	30		Healthy	
9	Buckthorn	6		Healthy	
10	Cottonwood	20		Dead	fallen
17	Box Elder	14		Dying	fallen
18	Cottonwood	25		Dead	fallen
21	Box Elder	11		Dying	fallen
24	Box Elder	10		Dying	fallen
27	Cottonwood	20		Dead	fallen across creek
28	Box Elder	9		Healthy	
31	Ash/Green	12		Dead	
32	Cottonwood	25		Dead	fallen
38	Box Elder	18		Dead	fallen across creek
43	Elm/American	12		Dead	
46	Box Elder	11		Dead	fallen
47	Box Elder	8		Dead	
48	Box Elder	12		Dead	fallen across creek
49	Box Elder	14		Dead	
50	Cottonwood	33		Healthy	
51	Box Elder	12		Dead	fallen
52	Cottonwood	14		Dead	fallen across creek
53	Cottonwood	23		Healthy	
54	Box Elder	10		Dead	fallen
55	Elm/American	11		Healthy	
56	Elm/American	6		Healthy	
59	Buckthorn	6		Healthy	
60	Elm/American	12		Dead	fallen
64	Box Elder	26		Dead	fallen across creek
65	Box Elder	17		Dead	fallen
72	Ash/Green	16		Dead	fallen across creek
88	Elm/American	10		Dead	
90	Maple/Sugar	15		Dead	fallen across creek
91	Basswood/American	28		Dead	fallen across creek
95	Ash/Green	14		Dead	fallen across creek
102	Elm/American	15		Healthy	
110	Box Elder	15		Healthy	
113	Box Elder	12		Healthy	
114	Elm/American	15		Dead	stump
115	Box Elder	13		Dying	stump
116	Ash/Green	11		Dead	stump
117	Maple/Sugar	7		Healthy	
127	Ash/Green	16		Dead	
138	Ash/Green	15		Healthy	
139	Buckthorn	8		Healthy	
142	Box Elder	13		Dead	fallen
143	Box Elder	16		Dead	fallen
154	Ash/Green	7		Healthy	
155	Box Elder	6		Healthy	
156	Ash/Green	13		Dead	stump
190	Elm/American	6		Dead	
196	Ash/Green	16		Dead	fallen
197	Ash/Green	13		Healthy	
198	Box Elder	12		Dead	stump
199	Box Elder	10		Dead	fallen
200	Box Elder	13		Dead	fallen
208	Ash/Green	12		Dead	fallen
209	Ash/Green	12		Dead	fallen
210	Box Elder	15		Dying	fallen
211	Elm/American	9		Healthy	
213	Elm/American	11		Healthy	
214	Cottonwood	23		Dead	fallen
215	Elm/American	16		Healthy	
216	Elm/American	15		Dead	
225	Box Elder	15		Dead	fallen across creek
227	Box Elder	12		Dead	fallen
229	Box Elder	13		Dead	
238	Buckthorn	8		Healthy	
239	Cottonwood	27		Dead	stump
240	Buckthorn	6		Healthy	
245	Ash/Green	14		Dead	fallen
257	Ash/Green	17		Dead	fallen
259	Cottonwood	23		Dead	fallen
263	Box Elder	15		Healthy	
264	Cottonwood	33		Healthy	
265	Box Elder	8		Healthy	
267	Box Elder	7		Dead	
272	Cottonwood	20		Dead	fallen across creek
274	Box Elder	13		Dead	
281	Box Elder	6		Healthy	
295	Elm/American	6		Healthy	
308	Amur Chokecherry	20		Healthy	amur cherry



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

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 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
 LICENSE NO.: 52856
 DATE: XX-XX-2024

ISSUE NO:	01								
DESCRIPTION:	60% PLAN SET								
DATE:	09/09/2024								

PROJECT TITLE:
PONDEROSA WOODS STREAM RESTORATION PROJECT CP WR210003
 12110 18TH AVE N
 PLYMOUTH, MN 55441

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: 09/09/2024

ISSUE NO.: 01

SHEET TITLE:
 TREE SURVEY - TREES REMOVED

SHEET NO.:
C-103

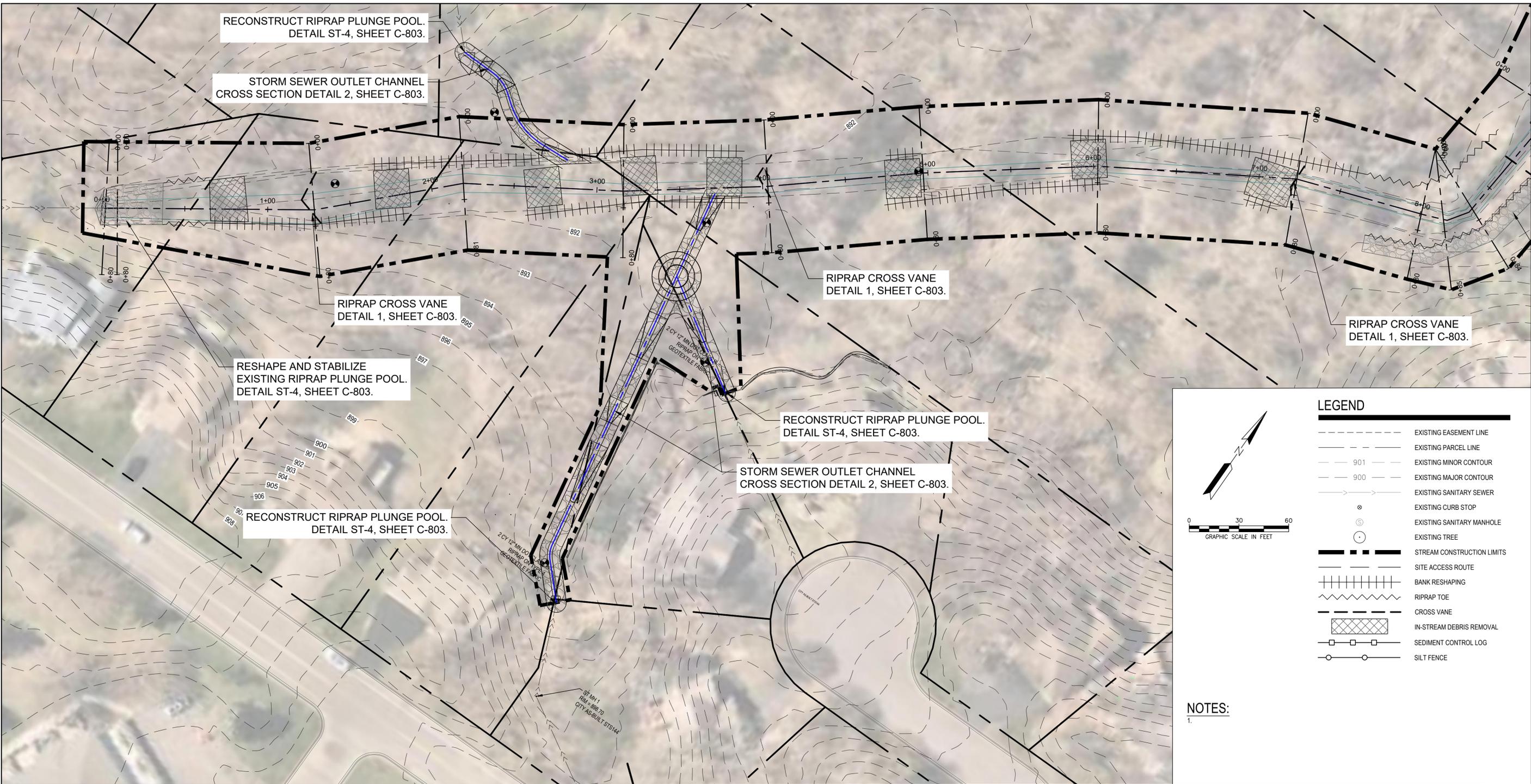
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LUCIUS JONETT
LICENSE NO.: 52856
DATE: XX-XX-2024

ISSUE NO:	01
DESCRIPTION:	60% PLAN SET
DATE:	09/09/2024



RECONSTRUCT RIPRAP PLUNGE POOL.
DETAIL ST-4, SHEET C-803.

STORM SEWER OUTLET CHANNEL
CROSS SECTION DETAIL 2, SHEET C-803.

RIPRAP CROSS VANE
DETAIL 1, SHEET C-803.

RESHAPE AND STABILIZE
EXISTING RIPRAP PLUNGE POOL.
DETAIL ST-4, SHEET C-803.

RECONSTRUCT RIPRAP PLUNGE POOL.
DETAIL ST-4, SHEET C-803.

RIPRAP CROSS VANE
DETAIL 1, SHEET C-803.

RECONSTRUCT RIPRAP PLUNGE POOL.
DETAIL ST-4, SHEET C-803.

STORM SEWER OUTLET CHANNEL
CROSS SECTION DETAIL 2, SHEET C-803.

RIPRAP CROSS VANE
DETAIL 1, SHEET C-803.

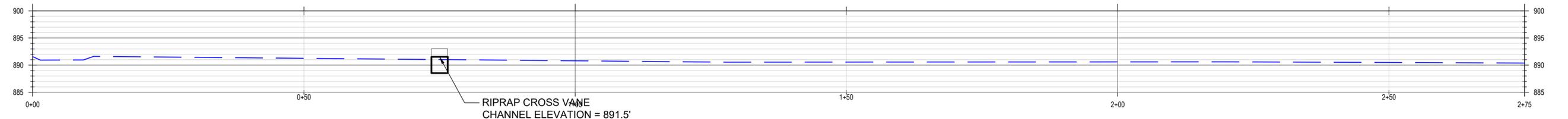
LEGEND

- EXISTING EASEMENT LINE
- EXISTING PARCEL LINE
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING SANITARY SEWER
- ⊗ EXISTING CURB STOP
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING TREE
- STREAM CONSTRUCTION LIMITS
- SITE ACCESS ROUTE
- BANK RESHAPING
- RIPRAP TOE
- CROSS VANE
- IN-STREAM DEBRIS REMOVAL
- SEDIMENT CONTROL LOG
- SILT FENCE

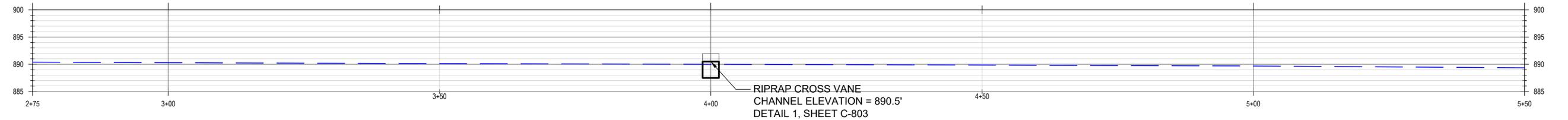
0 30 60
GRAPHIC SCALE IN FEET

NOTES:
1.

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



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



PROJECT TITLE:
**PONDEROSA WOODS STREAM
RESTORATION PROJECT CP WR210003**
12110 18TH AVE N
PLYMOUTH, MN 55441

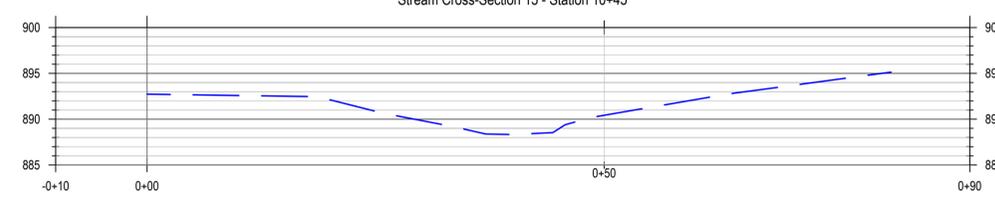
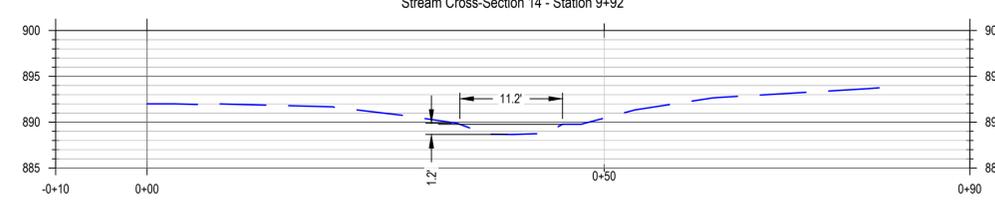
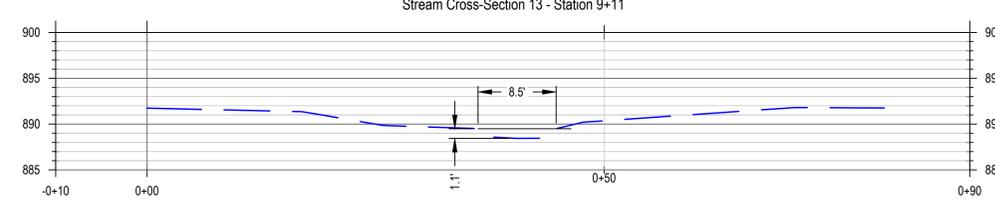
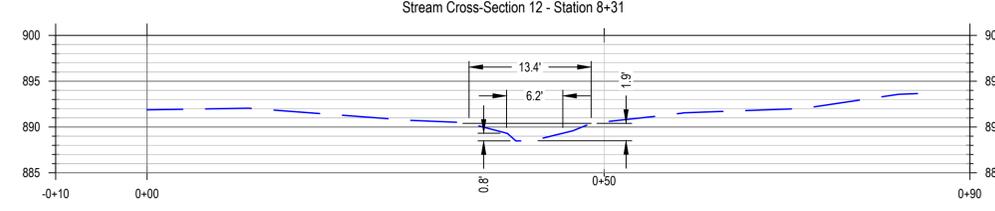
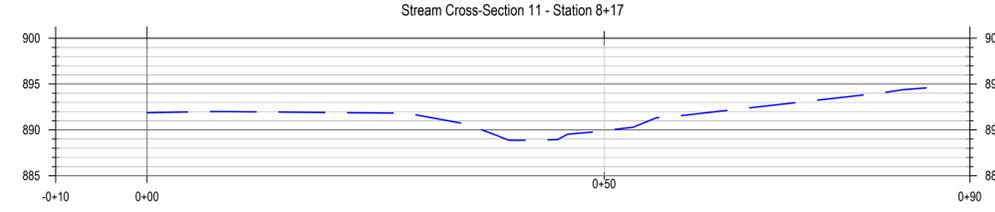
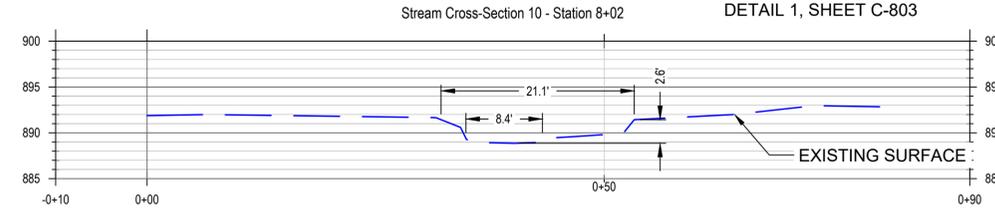
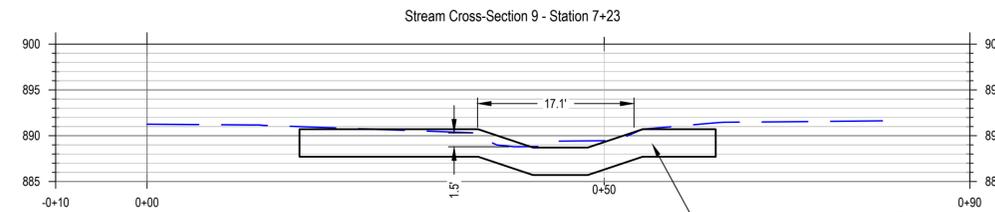
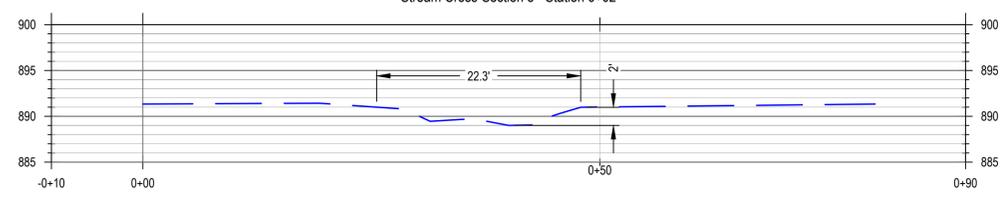
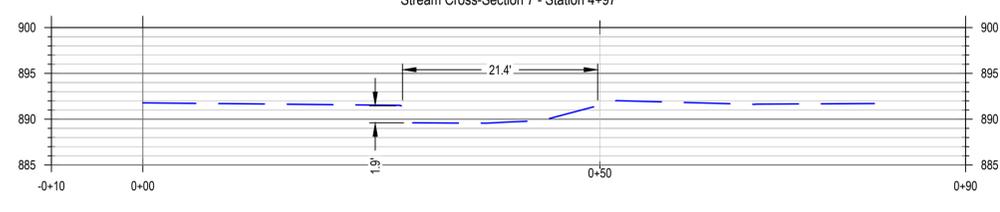
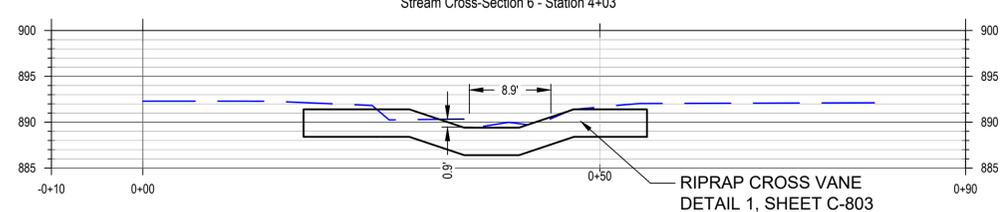
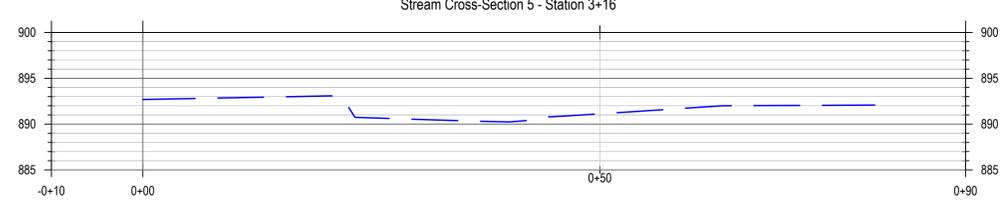
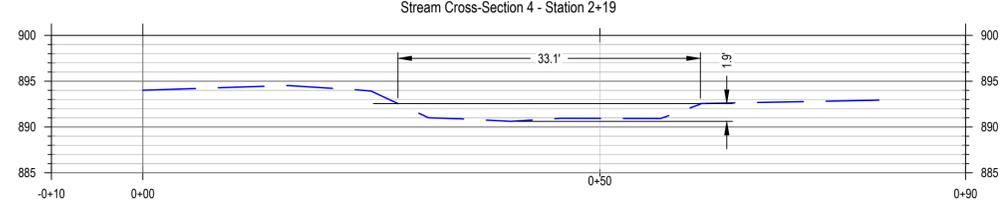
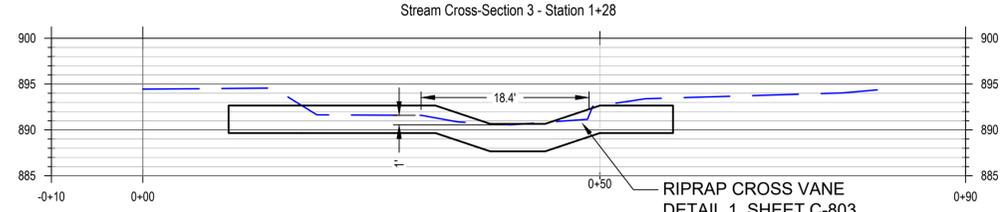
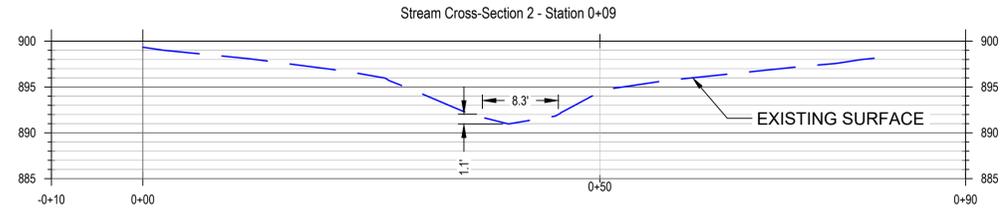
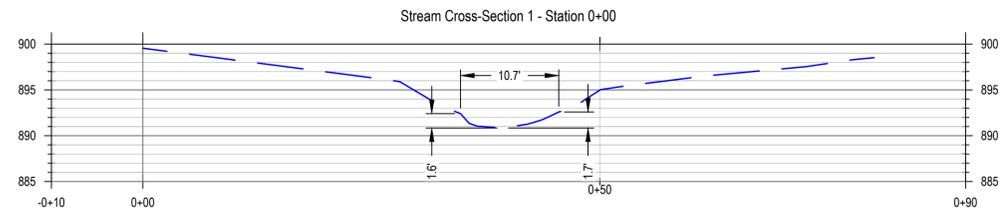
CLIENT:

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: 09/09/2024
ISSUE NO.: 01

SHEET TITLE:
CHANNEL
STABILIZATION PLAN 1

SHEET NO.:
C-110



ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	09/09/2024

PROJECT TITLE: PONDEROSA WOODS STREAM RESTORATION PROJECT CP WR210003 12110 18TH AVE N PLYMOUTH, MN 55441

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

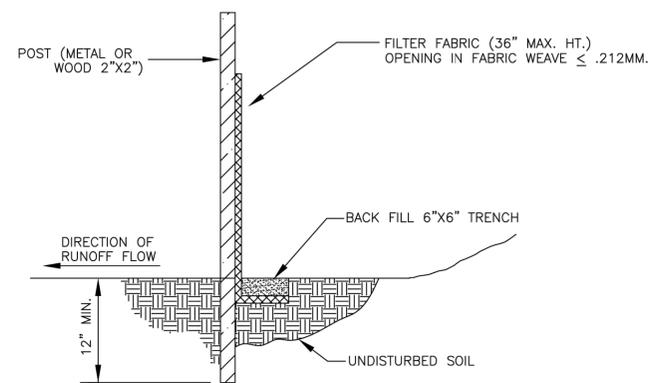
PROJECT NO.: 0017-03 DWN BY: LNJ CHKD BY: LNJ APPD BY: LNJ ISSUE DATE: 09/09/2024 ISSUE NO.: 01

SHEET TITLE: CHANNEL CROSS SECTIONS

SHEET NO.: C-120

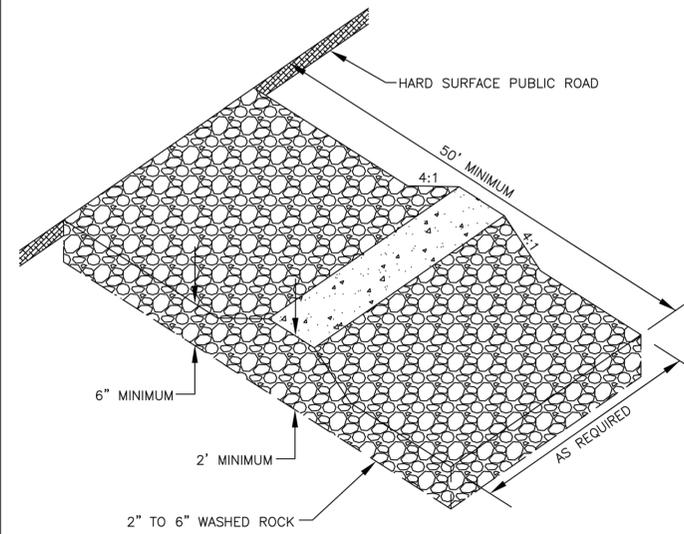
NOTES:

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 1-22
CITY PL. NO. ST-18
REVISED 1-20

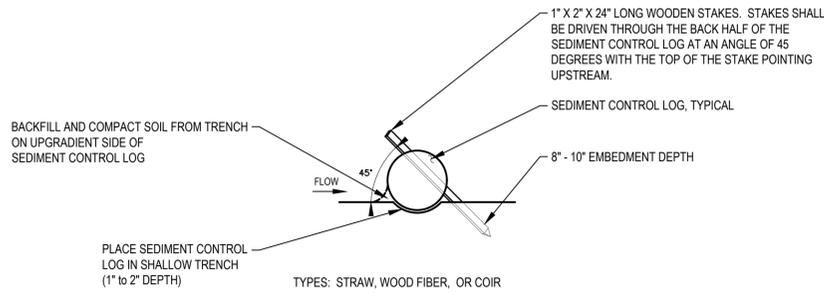


NOTES:
ROCK SHOULD BE 2" TO 6" IN SIZE SUCH AS WASHED ROCK OR CRUSHED CONCRETE
A GEOTEXTILE FABRIC MAY BE USED UNDER THE ROCK TO PREVENT MIGRATION OF THE UNDERLYING SOIL INTO THE STONE.

STANDARD DETAILS
ROCK EXIT TO CONSTRUCTION SITE
CITY OF PLYMOUTH

PUBLISHED 1-22
CITY PL. NO. ST-19
REVISED 1-20

NOTE: OVERLAP ADJACENT LOGS A MINIMUM OF 12"



1 SEDIMENT CONTROL LOGS
C-801 NOT TO SCALE

CERTIFICATION:
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LUCIUS JONETT
LICENSE NO.: 52856
DATE: XX-XX-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	09/09/2024

PROJECT TITLE:
PONDEROSA WOODS STREAM
RESTORATION PROJECT CP WR210003

CLIENT:
12110 18TH AVE N
PLYMOUTH, MN 55441

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

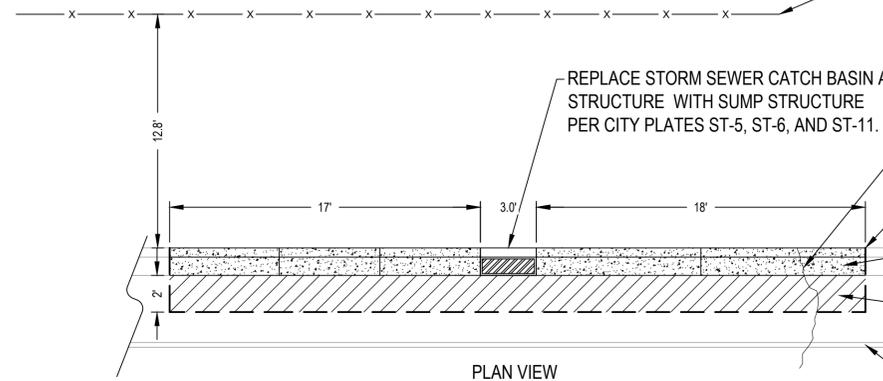
PROJECT NO.: 0017-03
DWN BY: LNJ
CHKD BY: LNJ
APPD BY: LNJ
ISSUE DATE: 09/09/2024
ISSUE NO.: 01

SHEET TITLE:
DETAILS

SHEET NO.:
C-801



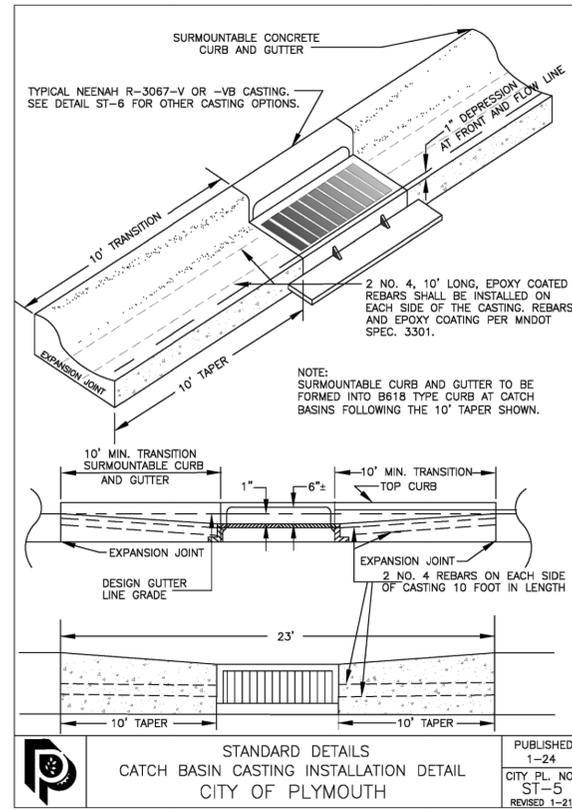
PERSPECTIVE VIEW



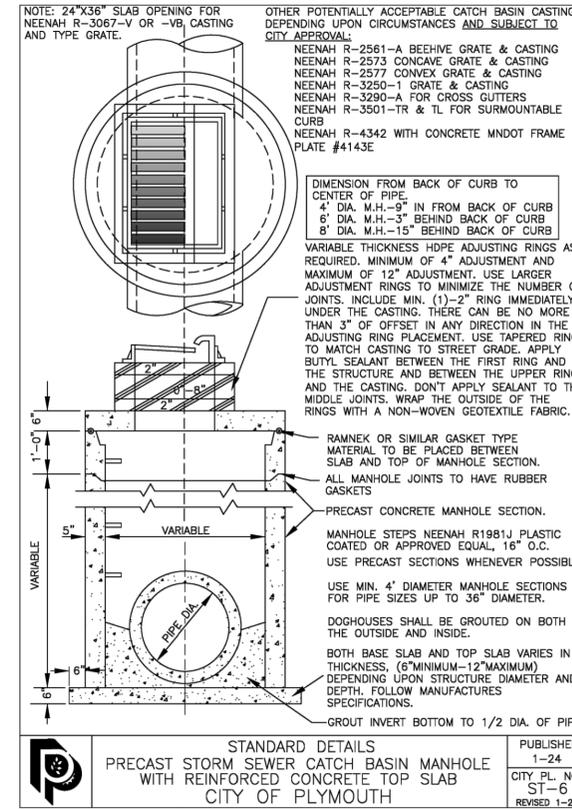
PLAN VIEW

- EXISTING WOOD FENCE. CONTRACTOR TO PROTECT.
- EXISTING CRACK IN CURB AND PAVEMENT.
- REPLACE STORM SEWER CATCH BASIN AND STRUCTURE WITH SUMP STRUCTURE PER CITY PLATES ST-5, ST-6, AND ST-11.
- SAW CUT CONCRETE CURB AND BITUMINOUS ROADWAY TO FULL DEPTH ALIGNED WITH EXPANSION JOINT IN CURB.
- REPLACE CONCRETE CURB AFTER STRUCTURE REPLACEMENT.
- REMOVE AND DISPOSE ASPHALT FOR STORM SEWER INLET REPLACEMENT. REPAVE EDGE OF BITUMINOUS ROAD AFTER STRUCTURE REPLACEMENT.
- WHITE ROADWAY STRIPE.

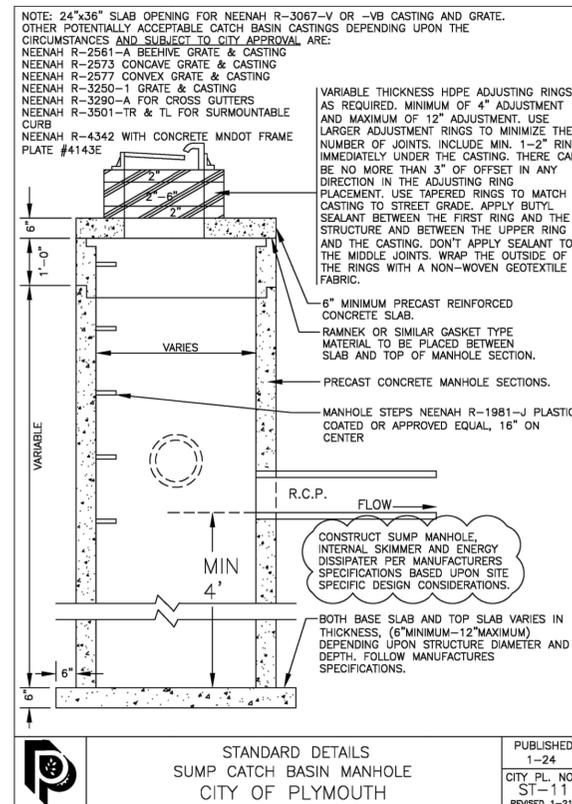
1 STORM SEWER INLET AND PAVEMENT REMOVAL & REPLACEMENT PLAN
C-802 NOT TO SCALE



2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION
[Back to Index page](#)
 02300 - 17



2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION
[Back to Index page](#)
 02300 - 18



2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION
[Back to Index page](#)
 02300 - 23

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LUCIUS JONETT
 LICENSE NO.: 52856
 DATE: XX-XX-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	09/09/2024

PROJECT TITLE:
 PONDEROSA WOODS STREAM RESTORATION PROJECT CP 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

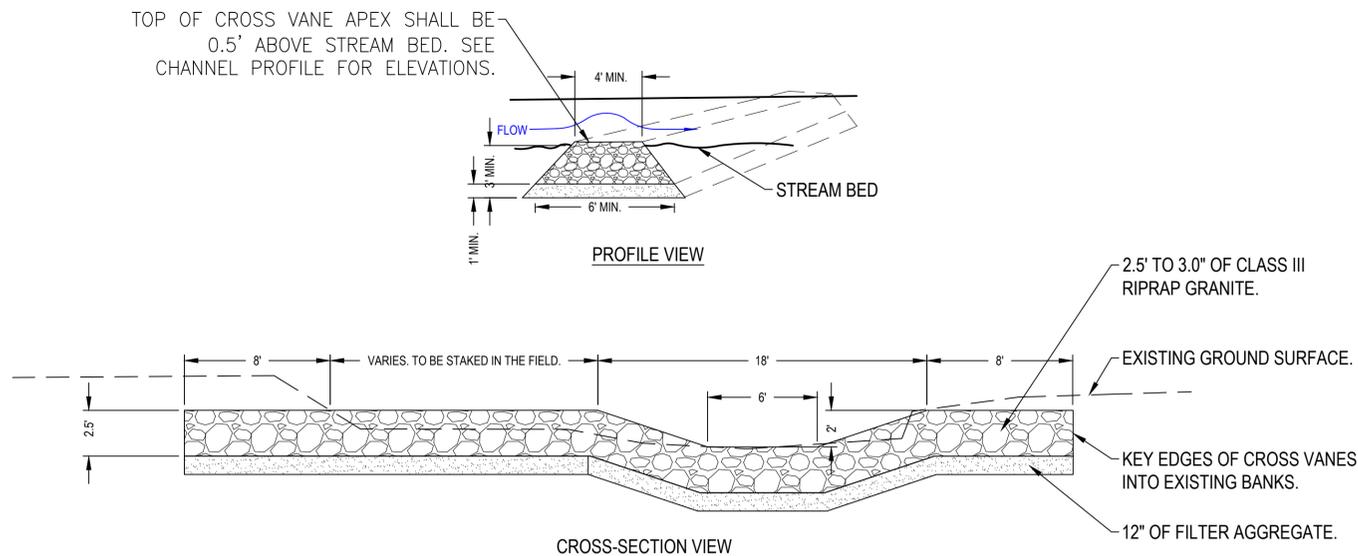
ISSUE DATE: 09/09/2024

ISSUE NO.: 01

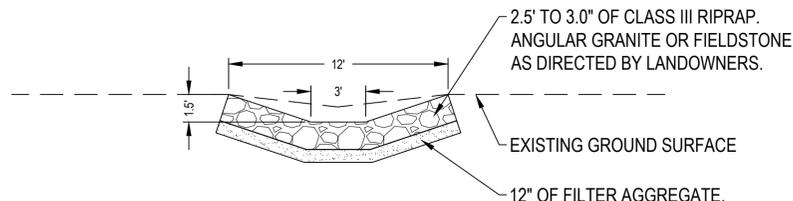
SHEET TITLE:
 DETAILS

SHEET NO.:
C-802

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



1 RIP RAP CROSS VANE
C-803 NOT TO SCALE



2 STORM SEWER OUTLET CHANNEL 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	18	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.

RIP-RAP SHALL BE CONSTRUCTED WITH GRANITE ROCK AND SHALL BE HAND PLACED.

TIE THE LAST 6 JOINTS ON INLET AND OUTLET PIPES AND BED IN GRANULAR MATERIAL.

RIP-RAP OUT FROM THE APRON SHALL NOT BE HIGHER THAN THE APRON INVERT.

RIP-RAP REQUIRED AT ALL APRONS

NONWOVEN GEOTEXTILE FABRIC EXTEND 1' UNDER FES

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
[Back to Index page](#)
02300 - 16

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LUCIUS JONETT
LICENSE NO.: 52856
DATE: XX-XX-2024

ISSUE NO.	DESCRIPTION	DATE
01	60% PLAN SET	09/09/2024

PROJECT TITLE:
PONDEROSA WOODS STREAM RESTORATION PROJECT CP 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
APP'D BY: LNJ

ISSUE DATE: 09/09/2024

ISSUE NO.: 01

SHEET TITLE:
DETAILS

SHEET NO.:
C-803