### SITE CONSTRUCTION PLANS

**FOR** 

### PONDEROSA WOODS STREAM RESTORATION

PROJECT CP WR210003 PLYMOUTH, MN

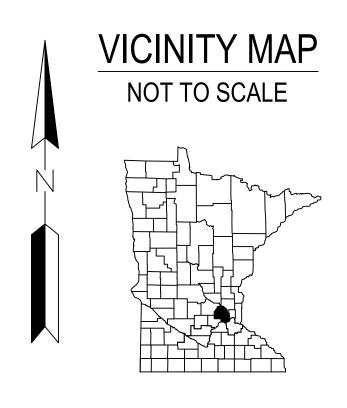
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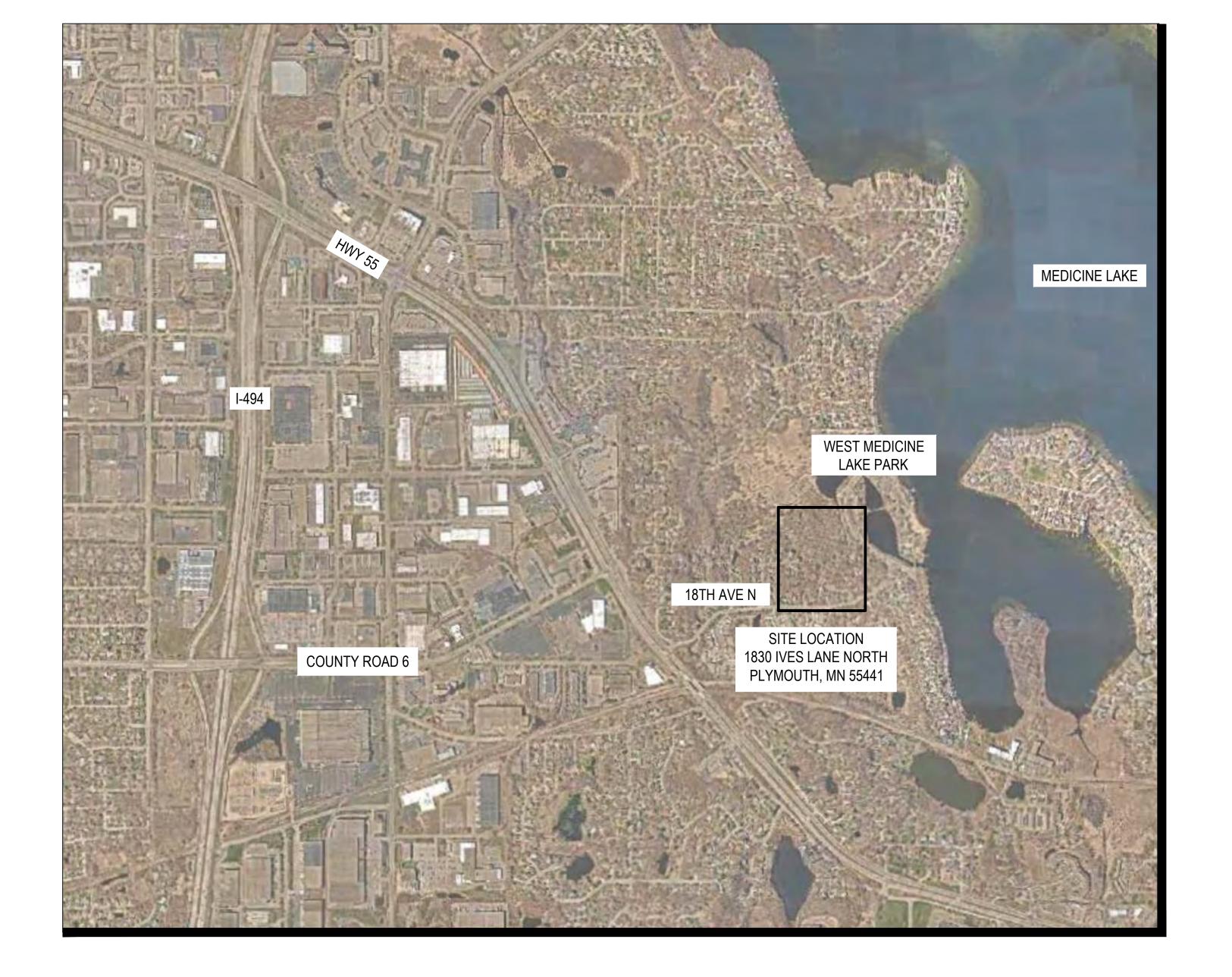
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PROJECT LOCATION

CITY: PLYMOUTH COUNTY: HENNEPIN



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MIDWEST WETLAND

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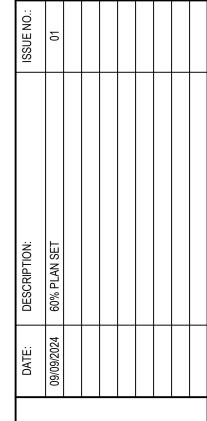
CERTIFICATION:

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
I AWS OF THE STATE OF MINNESOTA

LUCIUS JONETT

LICENSE NO.: \_\_\_\_

DATE: XX-XX-2



## PONDEROSA WOODS STREAM ESTORATION PROJECT CP WR210

CLIENT:



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

PROJECT N	0.:	0017-03
DWN BY: LNJ	CHK'D BY: LNJ	APP'D BY: LNJ
ISSUE DATE	: 09	9/09/2024
ISSUE NO.:		01
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COVER SHEET

G-101

- 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. CONTRACTOR SHALL LOAD AND HAUL MATERIAL OFF-SITE AND PROPERLY DISPOSE OF MATERIALS IN ACCORDANCE WITH APPLICABLE REGULATIONS. CONTRACTOR MUST LEAVE THE SITE IN A CONDITION TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- 4. IN THE EVENT THAT UNKNOWN CONTAINERS OR TANKS ARE ENCOUNTERED, THE CONTRACTOR MUST CONTACT THE ENGINEER IMMEDIATELY. ALL CONTAINERS OR TANKS MUST BE DISPOSED OF PROPERLY AT A REGULATED/PERMITTED FACILITY.
- 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. EXISTING FEATURES MAY NOT BE EXACT TO THEIR LOCATION. CONTRACTOR RESPONSIBLE FOR VERIFYING THE CONDITIONS OF THE SITE AND MUST IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES OR VARIATIONS FROM THE DRAWINGS.
- 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.

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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. CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITIES TO AREAS DESIGNATED ON PLANS WITHIN THE CONSTRUCTION LIMITS.
- 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. NO FIELD CHANGES OR DEVIATIONS ARE TO BE MADE WITHOUT PRIOR APPROVAL FROM THE OWNER AND ENGINEER. FAILURE TO NOTIFY OWNER AND ENGINEER OF AN IDENTIFIABLE CONFLICT BEFORE PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- 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. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS FOR SAFETY OF EMPLOYEES ON PROJECT SITE AND OTHER PERSONS AND ORGANIZATIONS WHO MAY BE AFFECTED BY THE PROJECT. CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR SAFETY IN CONNECTION WITH WORK SHALL CONTINUE UNTIL SUCH TIME AS ALL WORK IS COMPLETED, AND ENGINEER HAS ISSUED NOTICE TO CONTRACTOR THAT WORK IS COMPLETE.
- 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. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT VANDALISM. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MCPA REGULATIONS. CONTRACTOR SHALL REMOVE SPILL OF FUELS, OILS, OR OTHER CHEMICALS IMMEDIATELY UPON DETECTION.

### **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. COORDINATE WITH ENGINEER.
- 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. STABILIZATION MUST BE INITIATED PROMPTLY.
- 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. SWEEP STREET IN ACCORDANCE WITH CITY, COUNTY, STATE AND NDPES PERMIT REQUIREMENTS.
- 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. IF REMAINING FOR MORE THAN 7 DAYS, STABILIZE THE STOCKPILES BY MULCHING, VEGETATED COVER, TARPS, OR OTHER MEANS IN ACCORDANCE WITH THE NPDES PERMIT. PLACE PERIMETER SEDIMENT CONTROLS AROUND STOCKPILES TO CONTROL EROSION. COVER TEMPORARY STOCKPILES LOCATED ON PAVED SURFACES IF LEFT FROM MORE THAN 24 HOURS.
- 9. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL MEASURES AFTER SITE HAS BEEN STABILIZED AND VEGETATION IS ESTABLISHED AS DIRECTED BY ENGINEER. EROSION CONTROL MEASURES USED FOR CONSTRUCTION MUST NOT BE REMOVED UNTIL AUTHORIZED BY OWNER OR ENGINEER.
- 10.STREAMBANK STABILIZATION PRACTICES SHALL CONSIST OF TWO LAYERS OF EROSION PREVENTION BLANKET. TEMPORARY EROSION PREVENTION BLANKET, CATEGORY 20 NATURAL FIBER NETTING WILL BE ON THE BOTTOM AGAINST THE GROUND. WITH TEMPORARY EROSION PREVENTION BLANKET, CATEGORY 37 ROLANKA BIOD-MAT 40, OR APPROVED EQUIVALENT OVER THE TOP. BOTH BLANKETS WILL BE STAKED INTO THE GROUND TOGETHER WITH WOOD STAKES AS SPECIFIED.
- 11.MN STATE SEED MIXES USED ON THIS PROJECT INCLUDE:
- 11.1. 25-131 LOW MAINTENANCE TURF MIX SEEDED AT 220 LB/ACRE FOR ALL TURF GRASS RESTORATION AREAS.
- 11.2. 34-261 RIPARIAN SOUTH & WEST MIX SEEDED AT 31.5 LB/ACRE FOR ALL STABILIZED STREAMBANK AND BRUSH MATTRESS 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 NECESSARILY BEEN DESIGNED TO BALANCE THE ON-SITE MATERIALS. ADDITIONAL ONSITE EXCAVATION OF SOIL MAY BE NECESSARY TO ACHIEVE THE FINAL GRADES SHOWN ON THE DRAWINGS. CONTRACTOR SHALL COORDINATE ADDITIONAL ONSITE BORROW AREAS WITH OWNER AND ENGINEER. EXCESS MATERIAL, UNLESS NOTED OTHERWISE, IS THE PROPERTY OF THE CONTRACTOR AND IS TO BE MOVED AND DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE LAWS.
- 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

- 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. DEWATERING MUST MEET PERMIT REQUIREMENTS AND BE ACCEPTED BEFORE STARTING CONSTRUCTION ACTIVITIES.
- 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. CONTRACTOR MAY DISCHARGE FROM THE TEMPORARY OR PERMANENT SEDIMENTATION BASINS TO THE SURFACE WATERS IF THE BASIN WATER HAS BEEN VISUALLY CHECKED TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED IN THE BASIN AND THAT NUISANCE CONDITIONS (SEE MINNESOTA RULES CHAPTER 7050.0210, SUBPART 2) WILL NOT RESULT FROM THE DISCHARGE. IF THE WATER CANNOT BE DISCHARGED TO A SEDIMENTATION BASIN PRIOR TO ENTERING THE SURFACE WATER. IT MUST BE TREATED WITH THE APPROPRIATE BMPs (E.G. SILT BAGS), SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE RECEIVING WATER OR DOWNSTREAM PROPERTIES. IF THE CONTRACTOR MUST DISCHARGE WATER THAT CONTAINS OIL OR GREASE, THE CONTRACTOR MUST USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (E.G. CARTRIDGE FILTERS, ABSORBENTS PADS) PRIOR TO DISCHARGING THE WATER. THE CONTRACTOR MUST ENSURE THAT DISCHARGE POINTS ARE ADEQUATELY PROTECTED FROM EROSION AND SCOUR. THE DISCHARGE MUST BE DISPERSED OVER NATURAL ROCK RIPRAP. SANDBAGS, PLASTIC SHEETING, OR OTHER ACCEPTED ENERGY DISSIPATION MEASURES.
- 5. CONTRACTOR MUST DISCHARGE WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR ON DOWN SLOPE PROPERTIES, OR INUNDATION IN WETLANDS CAUSING SIGNIFICANT ADVERSE IMPACT TO THE WETLAND.
- 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. THE CONTRACTOR MAY DISCHARGE BACKWASH WATER TO THE SANITARY SEWER IF PERMISSION IS GRANTED BY THE SANITARY SEWER AUTHORITY. THE CONTRACTOR MUST REPLACE AND CLEAN THE FILTER MEDIA USED IN DEWATERING DEVICES WHEN REQUIRED TO RETAIN ADEQUATE FUNCTION.

### TREE PRESERVATION NOTES

- 1. CONTRACTOR SHALL PROTECT EXISTING TREES THAT ARE NOT TO BE REMOVED. DO NOT PERFORM ACTIONS WITHIN THE DRIP LINE AREA THAT MAY HARM THE TREE AND COMPACT THE SOIL, INCLUDING EXCAVATION, STORING MATERIALS, PARKING AND TRAFFIC DURING CONSTRUCTION. WHERE CONSTRUCTION REQUIRES DISTURBANCE WITHIN THE PROTECTED AREAS, DISTURB THE ROOT ZONE AS LITTLE AS POSSIBLE.
- 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

### MIDWEST WETLAND Improvements

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

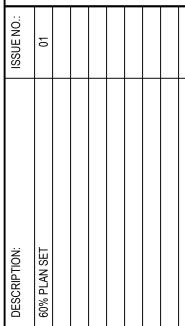
CERTIFICATION:

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



# PONDEROSA WOODS STREAM STORATION PROJECT CP WR210003 12110 18TH AVE N PLYMOUTH, MN 55441

CLIENT:

Plymouth

3400 PLYMOUTH BLVD
PLYMOUTH, MN 55447

PHONE: 763-509-5000

WWW.PLYMOUTHMN.COM

PROJECT NO.: 0017-03

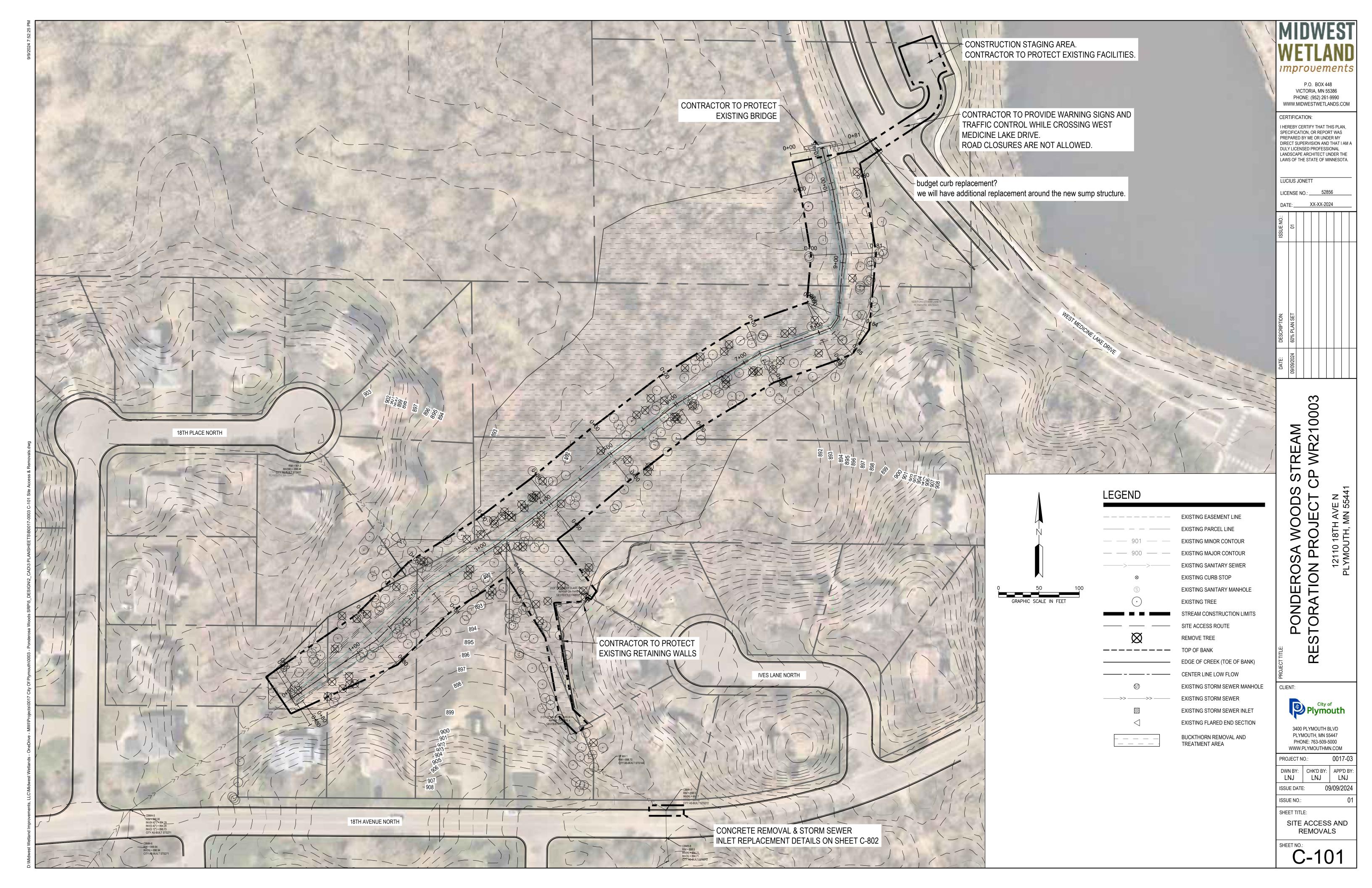
DWN BY: CHK'D BY: APP'D BY:

LNJ LNJ LNJ

ISSUE DATE: 09/09/2024
ISSUE NO.: 01
SHEET TITLE:

CONSTRUCTION NOTES

G-102



idwest Wetlands - OneDrive - MWI\Projects\0017 City Of Plymouth\0003 - Ponderosa Woods SRP\5_DESIGN\2_CAD\3 PLANSHEETS\B0017-0003 C-101 Site Access & Removals.dwg	
land Improvements, LLC\Midw	

Tree ID#	Tree Species	Deciduos DBH (Inches)	Conifer Observed Height Health (Feet) Condition	Comments Tre	# Т	ree Species	Deciduos Conifer DBH Height (Inches) (Feet)	Observed Health Condition Comments	Tree ID#	Tree Species	Deciduos DBH (Inches)	Conifer Height (Feet)	Observed Health Condition	Comments
	Willow/Black Birch/River	7	Healthy Healthy	119		kberry /American	21	Healthy Healthy	220 221	Box Elder Box Elder	12		Healthy Healthy	
	Birch/River	8	Healthy	121		/American	6	Healthy	222	Elm/American	15		Healthy	
	Birch/Paper	5	Healthy	multi-stem 6 at 4in 122		Elder	13	Healthy	223	Elm/American	9		Healthy	
	Birch/River	11	Healthy	123		/Green	14	Healthy	224	Box Elder	20		Healthy	
	Ash/Green	13	Healthy	124	Ash/	/Green	11	Healthy	226	Box Elder	16		Healthy	
	Box Elder	14	Healthy	125	Box	Elder	13	Healthy	228	Box Elder	23		Healthy	
	Ash/Green	16	Healthy	126	Box	Elder	6	Healthy	230	Box Elder	8		Healthy	
	Box Elder	11	Healthy	128	-	Elder	14	Healthy	231	Box Elder	12		Healthy	
	Cottonwood	13	Healthy	129		Elder	18	Healthy	232	Box Elder	16		Healthy	
	Cottonwood	27	Healthy	130		Elder	12	Healthy	233	Box Elder	8		Healthy	
	Cottonwood	15	Healthy Healthy	131		Elder	7	Healthy Healthy	234	Buckthorn	8		Healthy Healthy	
	Box Elder	8	Healthy	132		/Green /American	18	Healthy	235 236	Buckthorn Box Elder	11		Healthy	
	Cottonwood  Box Elder	15	Healthy	133		Elder	8	Healthy	237	Buckthorn	6		Healthy	
	Box Elder	6	Healthy	135		Elder	200	Healthy	241	Box Elder	10		Healthy	
	Box Elder	15	Healthy	136		Elder	14	Healthy	242	Box Elder	12		Healthy	
<u> </u>	Box Elder	6	Healthy	137		Elder	14	Healthy	243	Box Elder	12		Healthy	
5	Buckthorn	6	Healthy	140		Elder	16	Healthy	244	Box Elder	25		Healthy	
;	Box Elder	14	Healthy	141		kthorn	6	Healthy	246	Box Elder	8		Healthy	
	Cottonwood	28	Healthy	144		ole/Sugar	8	Healthy	247	Box Elder	8		Healthy	
	Ash/Green	6	Healthy	145		Elder	6	Healthy	248	Box Elder	11		Healthy	
	Ash/Green	9	Healthy	146		/American	8	Healthy	249	Cottonwood	30		Healthy	
	Box Elder	6	Healthy	147	Elm/	/American	9	Healthy	250	Buckthorn	6		Healthy	
	Cottonwood	31	Healthy	148	Вох	Elder	15	Healthy	251	Box Elder	13		Healthy	
<u> </u>	Box Elder	13	Healthy	149	Ash/	/Green	12	Healthy	252	Buckthorn	7		Healthy	
	Cottonwood	15	Healthy	150	Ash/	/Green	21	Healthy	253	Buckthorn	6		Healthy	
	Ash/Green	11	Healthy	151	Ash/	/Green	20	Healthy	254	Box Elder	8		Healthy	
)	Box Elder	15	Healthy	152		/American	13	Healthy	255	Box Elder	12		Healthy	
	Cottonwood	34	Healthy	153		/Siberian	6	Healthy	256	Box Elder	8		Healthy	
	Cottonwood	33	Healthy	157		/American	6	Healthy	258	Box Elder	8		Healthy	
	Buckthorn	6	Healthy	158		Elder	6	Healthy	260	Buckthorn	7		Healthy	
	Box Elder	8	Healthy	159		Elder	6	Healthy	261	Buckthorn	6		Healthy	
	Cottonwood	35	Healthy	160		Elder	7	Healthy	262	Buckthorn	6		Healthy	
	Cottonwood	31	Healthy	161		/Green	21	Healthy	266	Box Elder	8		Healthy	
	Box Elder	8	Healthy	162		/Green	23	Healthy	268	Box Elder	23		Healthy	
	Box Elder	6	Healthy	163		/Green	21	Healthy	269	Buckthorn	9		Healthy	
<u> </u>	Elm/American	7	Healthy	164		/Green	20	Healthy	270	Box Elder	7		Healthy	
- -	Box Elder	8	Healthy	165		Elder	10	Healthy	271	Box Elder	6		Healthy	
<u>'</u>	Ash/Green	25	Healthy Healthy	166		Elder ble/Sugar	7	Healthy Healthy	273	Box Elder	12		Healthy Healthy	
3	Elm/American  Maple/Sugar	14	Healthy	167			20	Healthy	275	Box Elder	14		Healthy	
)		8	Healthy	168		/Green	23	Healthy	276	Box Elder Box Elder	14		Healthy	
) 	Box Elder Maple/Sugar	16	Healthy	169		/Green ble/Sugar	22	Healthy	277	Willow/Black	30		,	fallen across cree
) )	Maple/Sugar	0	Healthy	170		ole/Sugar	20	Healthy	278 279	Box Elder	30		Dead Healthy	Talleri across cree
, 1	Box Elder	15	Healthy	172		ole/Sugar	11	Healthy	280	Box Elder	10		Healthy	
5	Ash/Green	17	Healthy	173		/Green	25	Healthy	282	Buckthorn	6		Healthy	
<u> </u>	Maple/Sugar	9	Healthy	174		le/Sugar	6	Healthy	283	Buckthorn	6		Healthy	
7	Basswood/American	25	Dead	fallen 175		/Green	15	Healthy	284	Willow/Black	33		Healthy	
	Ash/Green	20	Dead	176		ole/Sugar	6	Healthy	285	Cedar/White	5	11-20	Healthy	
	Maple/Sugar	16	Healthy	177	Ash/	/Green	9	Healthy	286	Cedar/White	5	11-20	Healthy	
	Ash/Green	28	Healthy	178		/Green	19	Healthy	287	Cedar/White	5	11-20	Healthy	
	Elm/American	18	Healthy	179	Мар	ole/Sugar	10	Healthy	288	Cedar/White	5	11-20	Healthy	
	Maple/Sugar	6	Healthy	180	Мар	ole/Sugar	9	Healthy	289	Birch/River	12		Healthy	
	Elm/American	8	Healthy	181		ole/Sugar	27	Healthy	290	Birch/River	10		Healthy	
	Elm/American	6	Healthy	182		ole/Sugar	5	Healthy	291	Birch/River	13		Healthy	
	Elm/American	7	Healthy	183		ole/Sugar	23	Healthy	292	Birch/River	6		Healthy	
	Ash/Green	10	Healthy	184		ole/Sugar	6	Healthy	293	Birch/River	8		Healthy	
	Maple/Sugar	6	Healthy	185		ole/Sugar	18	Healthy	294	Birch/River	10		Healthy	
	Box Elder	8	Healthy	186		ole/Sugar	6	Healthy	296	Birch/River	10		Healthy	
	Elm/American	18	Healthy	187	+	ole/Sugar	18	Healthy	297	Box Elder	(		Healthy	
	Elm/American  Maple/Sugar	9	Healthy Healthy	188		ole/Sugar ole/Sugar	0	Healthy Healthy	298	Box Elder	7		Healthy Healthy	
		0	Healthy	189	+		0	Healthy	299	Box Elder	6		Healthy	
	Ash/Green Ash/Green	24	Healthy	191		/American /American	10	Healthy	300 301	Box Elder Box Elder	15		Healthy	
	Basswood/American	8	Healthy	192		/American /American	12	Healthy	301	Box Elder Box Elder	7		Healthy	
	Basswood/American	8	Healthy	193		/Green	12	Healthy	303	Box Elder	9		Dead	
)	Basswood/American	13	Healthy	195		/Green	13	Healthy	304	Birch/River	15		Healthy	
	Elm/American	10	Healthy	201		/American	9	Healthy	305	Tamarack	10	21-40	Healthy	
3	Elm/American	9	Healthy	202		/American	14	Healthy	306	Birch/River	16	-	Healthy	
<u>,                                     </u>	Elm/American	15	Healthy	203		tonwood	33	Healthy	307	Box Elder	6		Healthy	
	Box Elder	12	Healthy	204		/American	6	Healthy		Chokecherry	14		Healthy	
	Box Elder	11	Healthy	205		tonwood	29	Healthy		1				
7	Box Elder	12	Healthy	206		tonwood	32	Healthy						
3	Cottonwood	28	Healthy	207		tonwood	28	Healthy			<u> </u>			
)	Maple/Sugar	15	Healthy	212	Вох	Elder	16	Healthy						
1	Maple/Sugar	9	Healthy	217	Вох	Elder	8	Healthy						
2	Maple/Sugar	12	Healthy	218	Вох	Elder	18	Healthy						
3	Basswood/American	14	Healthy	219	Box	Elder	16	Healthy						



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LANDSCAPE ARCHITECT UNDER THE
LAWS OF THE STATE OF MINNESOTA.

LUCIUS JONETT

LICENSE NO.: 52856

DATE: XX-XX-2024

S STREAM CP WR210003 RESTORATION PROJECT CF



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

PROJECT N	0017-0						
DWN BY: LNJ	CHK'D BY: LNJ	APP'D B'					

ISSUE DATE: ISSUE NO.:

SHEET TITLE:

TREE SURVEY - TREES SAVED

SHEET NO.: C-102

Tree	Tues Consolin	Deciduos DBH (Inches)	Conifer Height	Observed Health	
<b>ID#</b> 7	Tree Species Cottonwood	(Inches)	(Feet)	Condition Healthy	Comments
<i>r</i> 9	Buckthorn	6		Healthy	
<u></u>	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	£-11
54 	Box Elder	10		Dead Healthy	fallen
55 	Elm/American	11		Healthy	
56 50	Elm/American	6		Healthy	
59 60	Buckthorn Elm/American	6		Dead	fallen
60 64	Box Elder	12 26		Dead	fallen across creek
65	Box Elder Box Elder	17		Dead	fallen across creek
05 72	Ash/Green	16		Dead	fallen across creek
72 88	Elm/American	10		Dead	idiicii adioss dieek
<u> </u>	Maple/Sugar	15		Dead	fallen across creek
90 91	Basswood/American	28		Dead	fallen across creek
95	Ash/Green	14		Dead	fallen across creek
102	Elm/American	15		Healthy	laneri aerees ereek
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	6.11
214	Cottonwood	23		Dead	fallen
215	Elm/American	16		Healthy	
216	Elm/American	15		Dead	falls: -
225	Box Elder	15		Dead	fallen across creek
227	Box Elder	12		Dead	fallen
229	Box Elder	13		Dead Healthy	
238 239	Buckthorn	8 27		Dead	stump
239 240	Cottonwood Buckthorn	6		Healthy	- Comp
240 245	Ash/Green	14		Dead	fallen
245 257	Ash/Green	17		Dead	fallen
25 <i>1</i> 259	Asn/Green Cottonwood	23		Dead	fallen
259 263	Box Elder	15		Healthy	IGHOTI
263 264	Cottonwood	33		Healthy	
264 265	Box Elder	8		Healthy	
265 267	Box Elder	7		Dead	
267 272	Cottonwood	20		Dead	fallen across creek
272 274	Box Elder	13		Dead	ialien acioss creek
274 281	Box Elder	6		Healthy	
	Elm/American	6		Healthy	
295	/ MINORIVALL	<sub>1</sub> •	1	,	1



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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				

### S STREAM CP WR210003 PONDEROSA WOODS RESTORATION PROJECT (



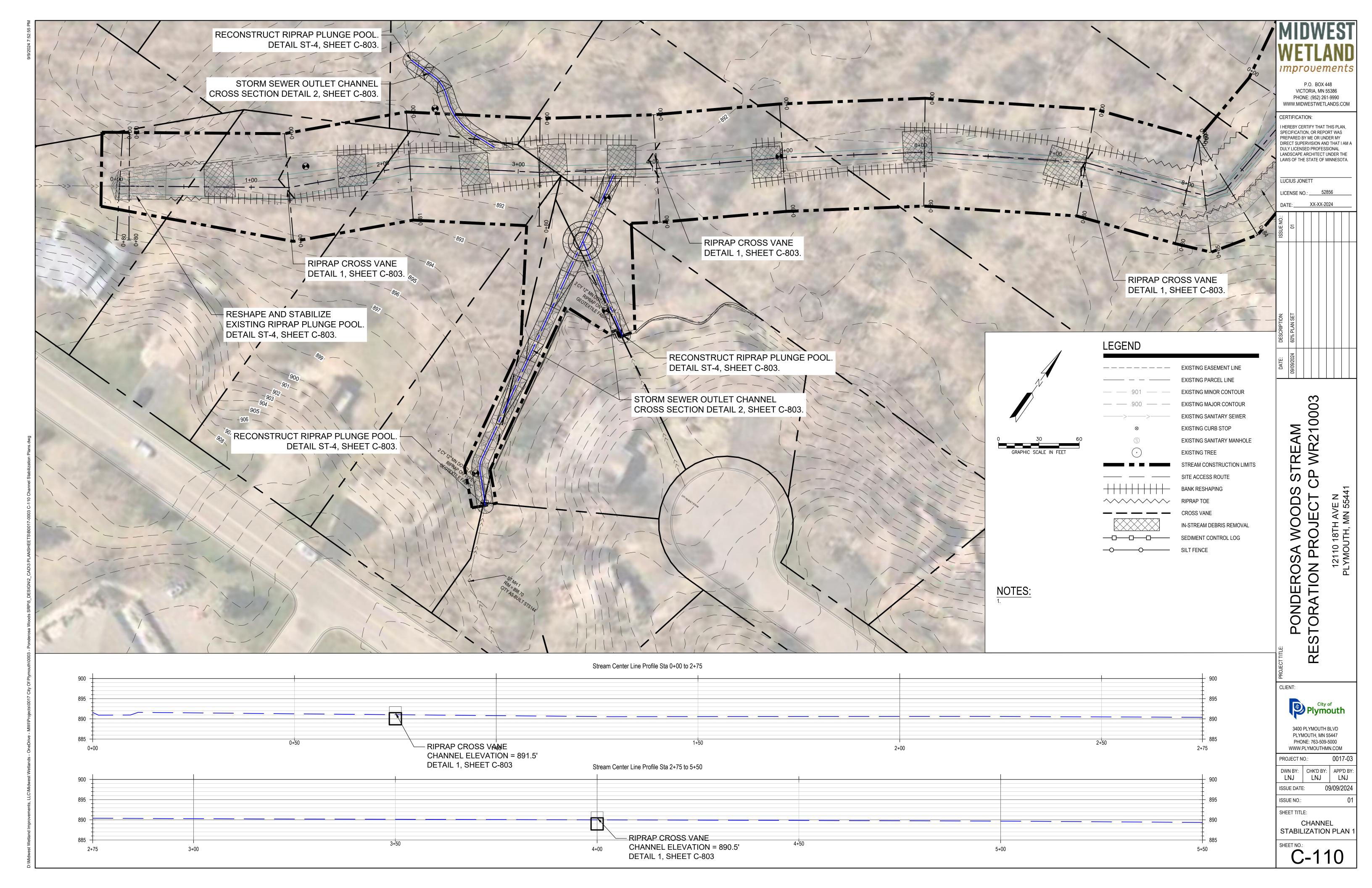
3400 PLYMOUTH BLVD PLYMOUTH, MN 55447 PHONE: 763-509-5000 WWW.PLYMOUTHMN.COM

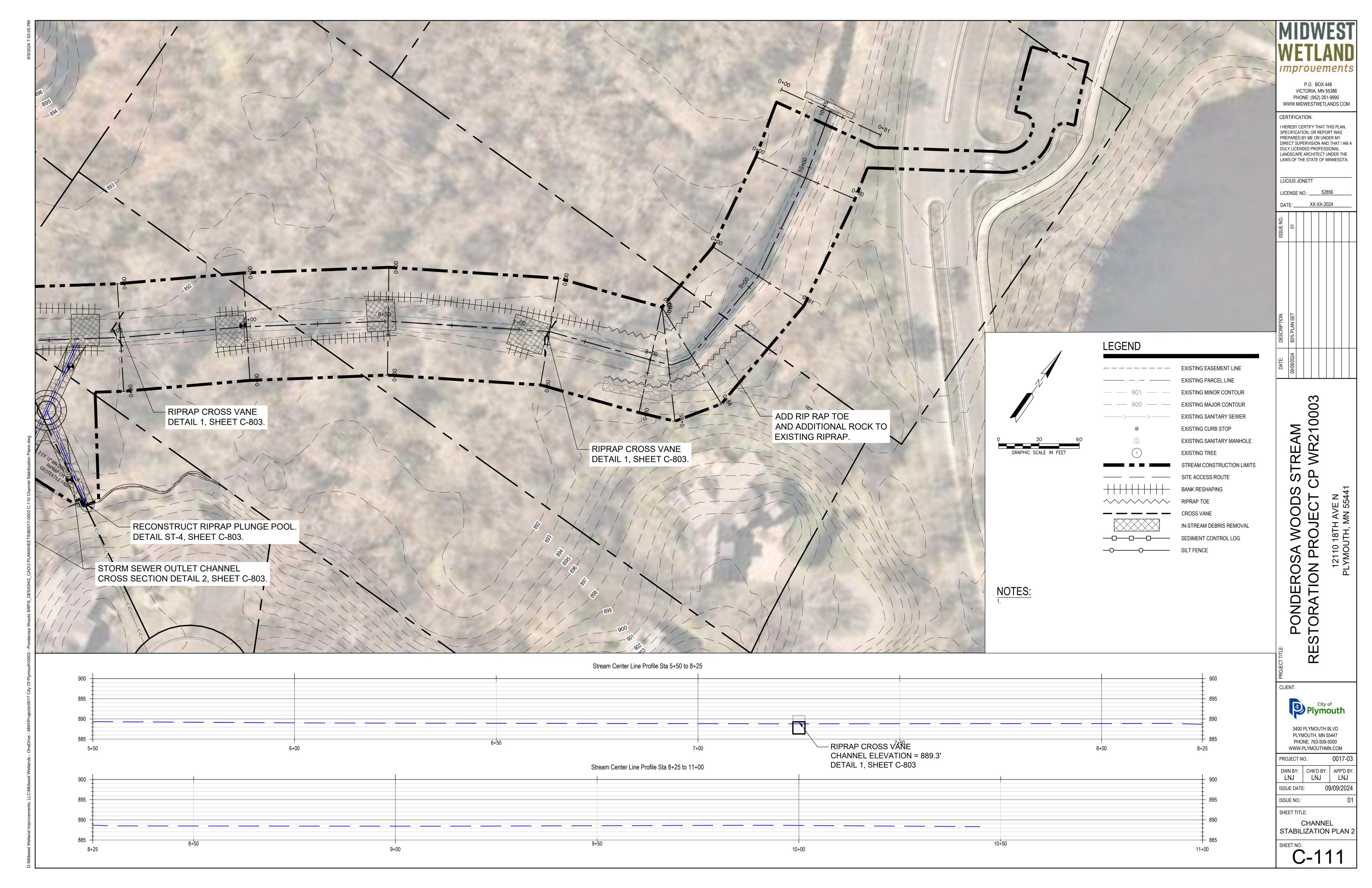
PROJECT N	0017-0					
DWN BY: LNJ	CHK'D BY: LNJ	APP'D B LNJ				

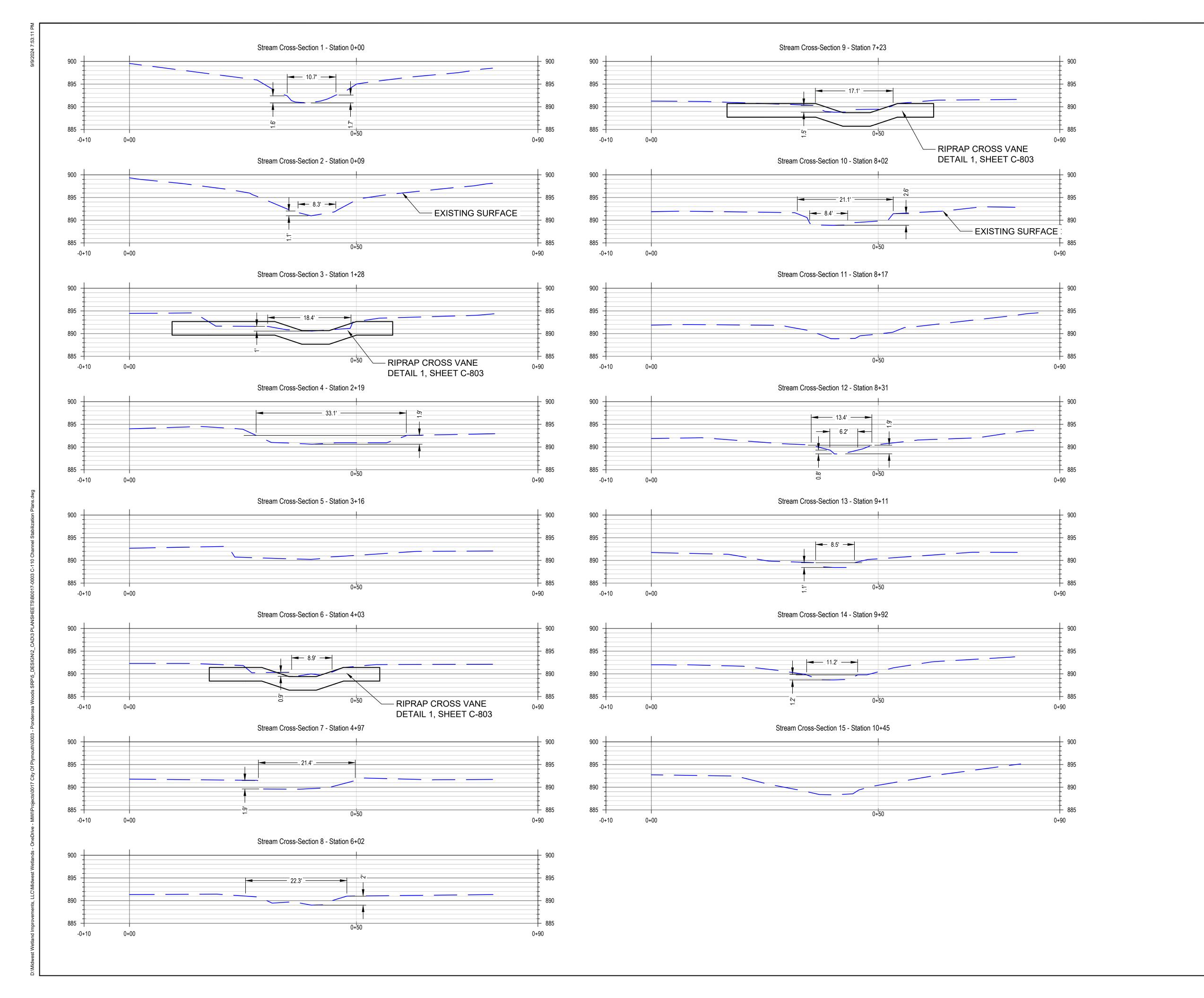
09/09/2024 ISSUE DATE:

TREE SURVEY - TREES REMOVED

C-103









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LUCIUS JONETT

LICENSE NO.: \_\_\_\_\_ 52856

DATE: \_\_\_\_\_XX-XX-2024

S STREAM CP WR210003 12110 18TH AVE N PLYMOUTH, MN 55441 DS PONDEROSA WOOI RESTORATION PROJEC

CLIENT:



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

PROJECT NO.:

DWN BY: CHK'D BY: APP'D BY: LNJ LNJ 09/09/2024 ISSUE DATE:

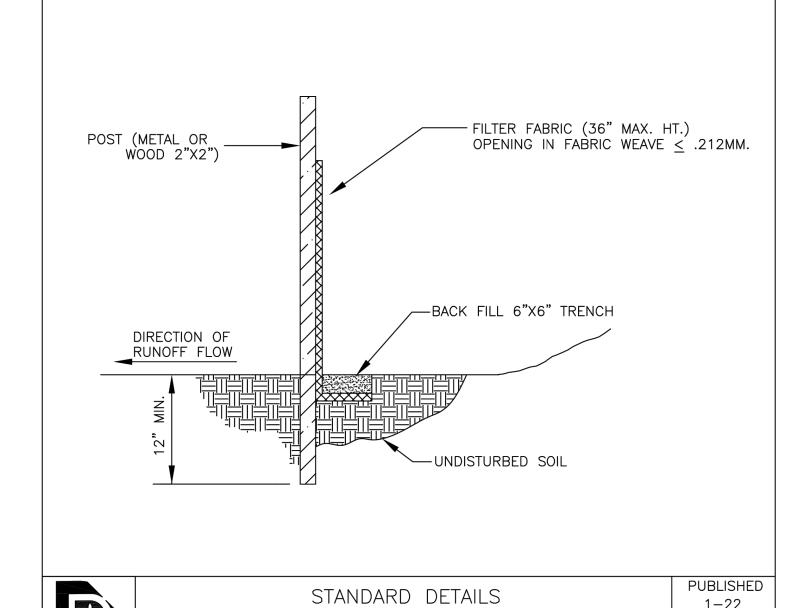
ISSUE NO.: SHEET TITLE:

CHANNEL CROSS

SECTIONS

SHEET NO.: C-120

- 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.



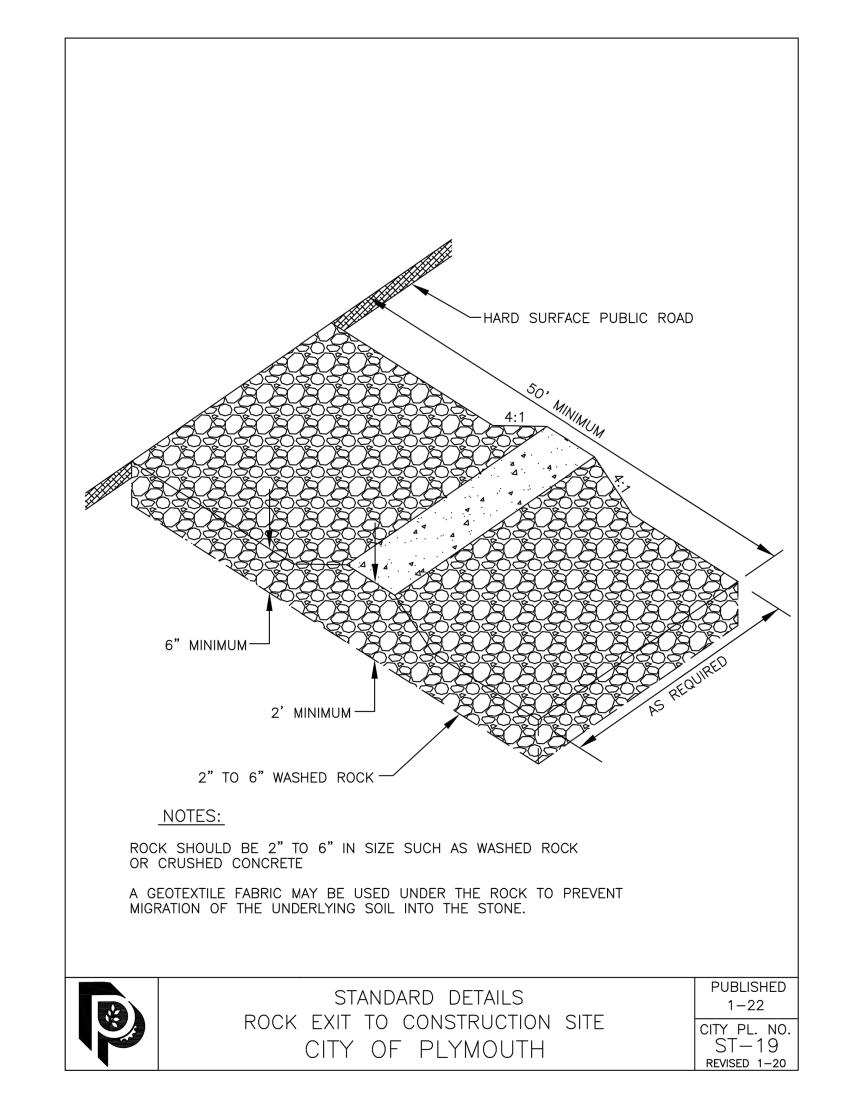
SILT FENCE DETAIL

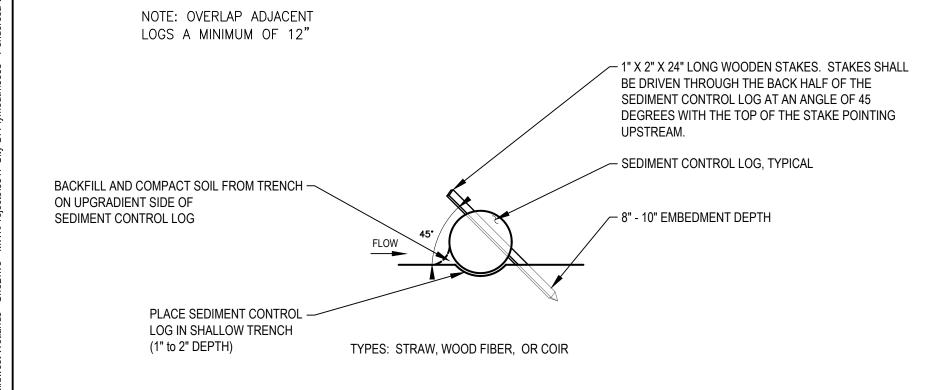
CITY OF PLYMOUTH

1 - 22

CITY PL. NO. ST-18

REVISED 1-20





SEDIMENT CONTROL LOGS

C-801 NOT TO SCALE

*improvements* 

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LUCIUS JONETT

LICENSE NO.: 52856

DATE: XX-XX-2024

::ON =nSSI	10				
DESCRIPTION:	60% PLAN SET				
ij	/2024				

10003 STRE/ DS PONDEROSA WOOI



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

PROJECT NO.: DWN BY: CHK'D BY: APP'D BY: LNJ LNJ

09/09/2024 ISSUE DATE: ISSUE NO.:

SHEET TITLE:

**DETAILS** 

C-801

 EXISTING WOOD FENCE. CONTRACTOR TO PROTECT.

- REPLACE STORM SEWER CATCH BASIN AND STRUCTURE WITH SUMP STRUCTURE PER CITY PLATES ST-5, ST-6, AND ST-11.

PLAN VIEW

PERSPECTIVE VIEW

-EXISTING CRACK IN CURB AND PAVEMENT.

- SAW CUT CONCRETE CURB AND BITUMINOUS ROADWAY TO FULL DEPTH ALIGNED WITH EXPANSION JOINT IN CURB.

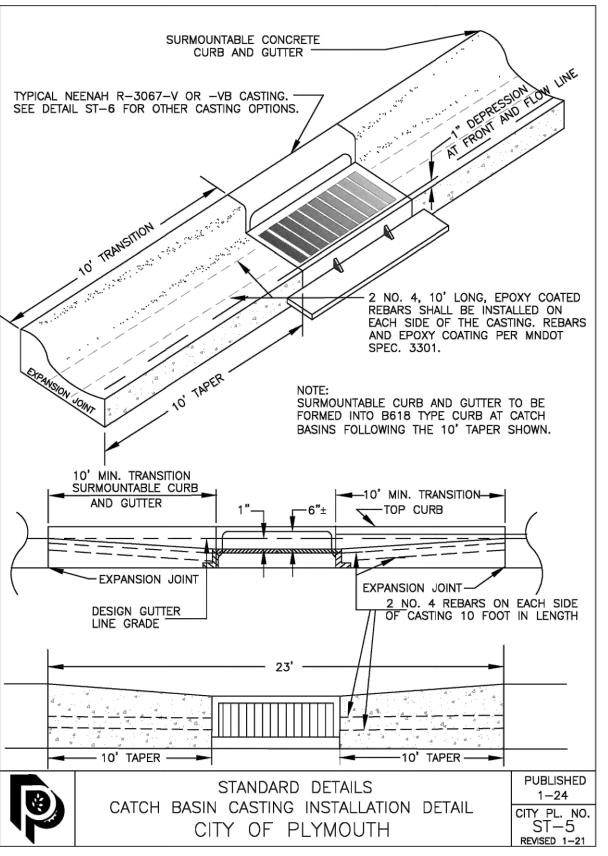
REPLACE CONCRETE CURB AFTER STRUCTURE REPLACEMENT.

- REMOVE AND DISPOSE ASPHALT FOR STORM SEWER INLET REPLACEMENT. REPAVE EDGE OF BITUMINOUS ROAD AFTER STRUCTURE REPLACEMENT.

WHITE ROADWAY STRIPE.

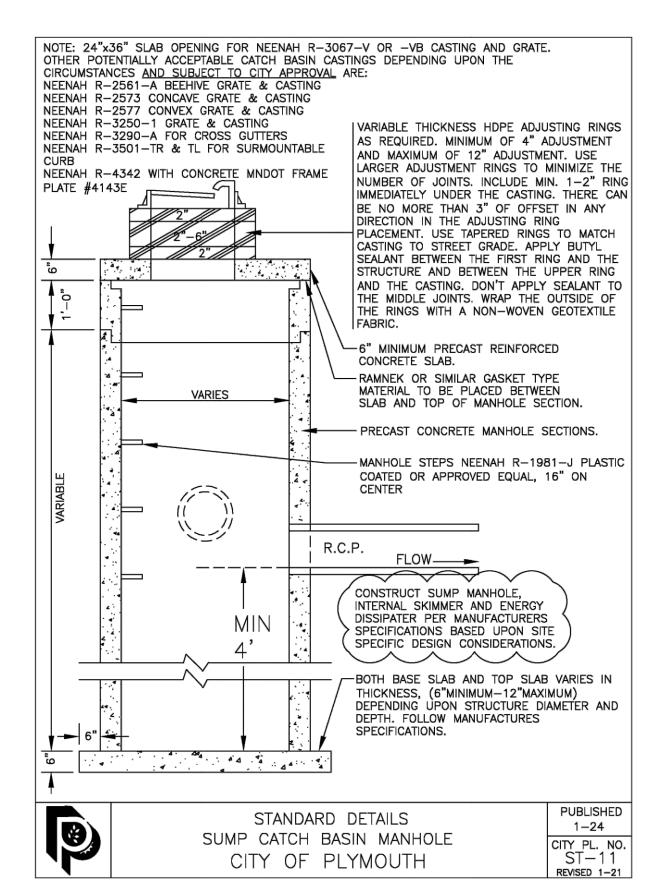
STORM SEWER INLET AND PAVEMENT REMOVAL & REPLACEMENT PLAN

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 - 23

NOTE: 24"X36" SLAB OPENING FOR NEENAH R-3067-V OR -VB CASTING OTHER POTENTIALLY ACCEPTABLE CATCH BASIN CASTINGS DEPENDING UPON CIRCUMSTANCES AND SUBJECT TO AND TYPE GRATE. 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 NEENAH R-4342 WITH CONCRETE MNDOT FRAME \PLATE #4143E DIMENSION FROM BACK OF CURB TO CENTER OF PIPE. 4' DIA. M.H.-9" IN FROM BACK OF CURB 6' DIA. M.H.-3" BEHIND BACK OF CURB 8' DIA. M.H.-15" BEHIND BACK OF CURB VARIABLE THICKNESS HDPE ADJUSTING RINGS AS REQUIRED. MINIMUM OF 4" ADJUSTMENT AND MAXIMUM OF 12" ADJUSTMENT, USE LARGER ADJUSTMENT RINGS TO MINIMIZE THE NUMBER OF JOINTS. INCLUDE MIN. (1)—2" RING IMMEDIATELY UNDER THE CASTING. THERE CAN BE NO MORE THAN 3" OF OFFSET IN ANY DIRECTION IN THE ADJUSTING RING PLACEMENT. USE TAPERED RINGS TO MATCH CASTING TO STREET GRADE. APPLY BUTYL SEALANT BETWEEN THE FIRST RING AND THE STRUCTURE AND BETWEEN THE UPPER RING AND THE CASTING. DON'T APPLY SEALANT TO THE MIDDLE JOINTS. WRAP THE OUTSIDE OF THE RINGS WITH A NON-WOVEN GEOTEXTILE FABRIC. RAMNEK OR SIMILAR GASKET TYPE MATERIAL TO BE PLACED BETWEEN SLAB AND TOP OF MANHOLE SECTION. - ALL MANHOLE JOINTS TO HAVE RUBBER GASKETS -PRECAST CONCRETE MANHOLE SECTION. VARIABLE MANHOLE STEPS NEENAH R1981J PLASTIC COATED OR APPROVED EQUAL, 16" O.C. USE PRECAST SECTIONS WHENEVER POSSIBLE. USE MIN. 4' DIAMETER MANHOLE SECTIONS FOR PIPE SIZES UP TO 36" DIAMETER. DOGHOUSES SHALL BE GROUTED ON BOTH THE OUTSIDE AND INSIDE. BOTH BASE SLAB AND TOP SLAB VARIES IN THICKNESS, (6"MINIMUM-12"MAXIMUM) DEPENDING UPON STRUCTURE DIAMETER AND DEPTH. FOLLOW MANUFACTURES SPECIFICATIONS. -GROUT INVERT BOTTOM TO 1/2 DIA. OF PIPE. STANDARD DETAILS PUBLISHED 1-24 PRECAST STORM SEWER CATCH BASIN MANHOLE CITY PL. NO. ST-6 WITH REINFORCED CONCRETE TOP SLAB CITY OF PLYMOUTH REVISED 1-21

2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION Back to Index page

02300 - 18



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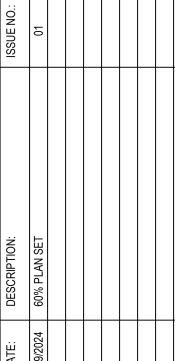
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LUCIUS JONETT

LICENSE NO.: 52856

DATE: XX-XX-2024



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ቢ

CLIENT: Plymouth

3400 PLYMOUTH BLVD PLYMOUTH, MN 55447 PHONE: 763-509-5000

WWW.PLYMOUTHMN.COM PROJECT NO.: DWN BY: | CHK'D BY: | APP'D BY:

LNJ LNJ LNJ 09/09/2024 ISSUE DATE: ISSUE NO.:

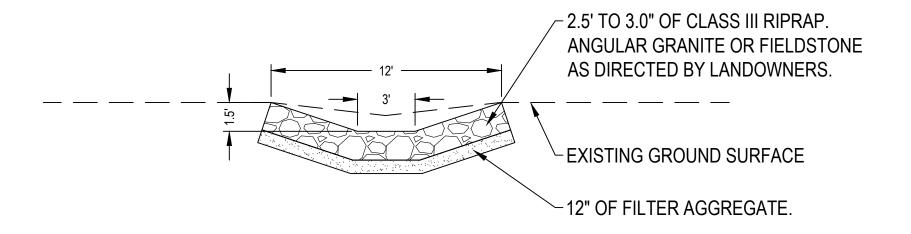
SHEET TITLE:

C-802

**DETAILS** 

1 RIP RAP CROSS VANE

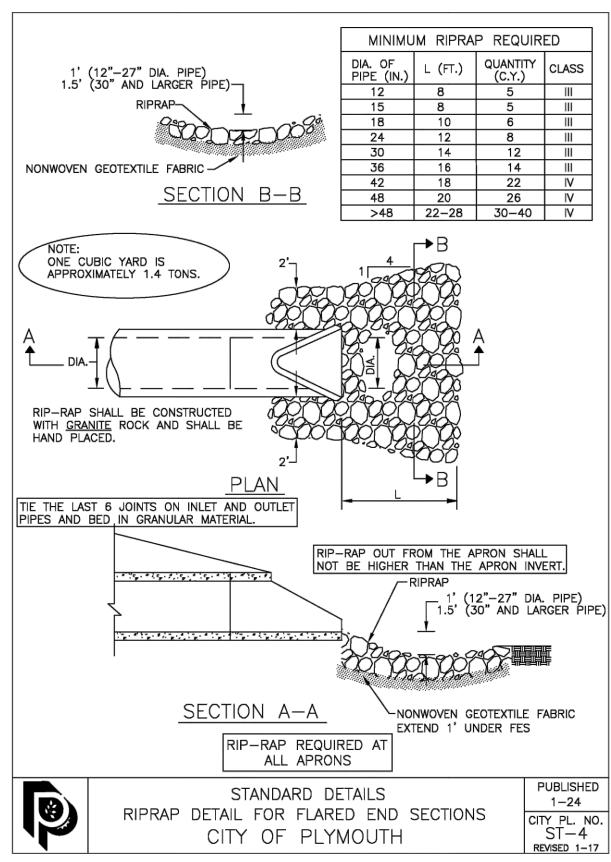
C-803 NOT TO SCALE



2

STORM SEWER OUTLET CHANNEL CROSS SECTION

C-803 NOT TO SCALE



2024 STANDARD DETAIL SPECIFICATION FOR STORM SEWER CONSTRUCTION

Back to Index page

02300 - 16

MIDWEST WETLAND Improvements

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OF THE STATE

LICENSE NO.: 52856

DATE: XX-XX-2024

LUCIUS JONETT

DESCRIPTION: ISSUE NO.: 60% PLAN SET 01

PONDEROSA WOODS STREAM
RESTORATION PROJECT CP WR210003

Plymouth

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

PROJECT NO.: 0017-03

DWN BY: CHK'D BY: APP'D BY: LNJ LNJ

ISSUE DATE: 09/09/2024

ISSUE NO.: 01

SHEET TITLE:

DETAILS

C-803