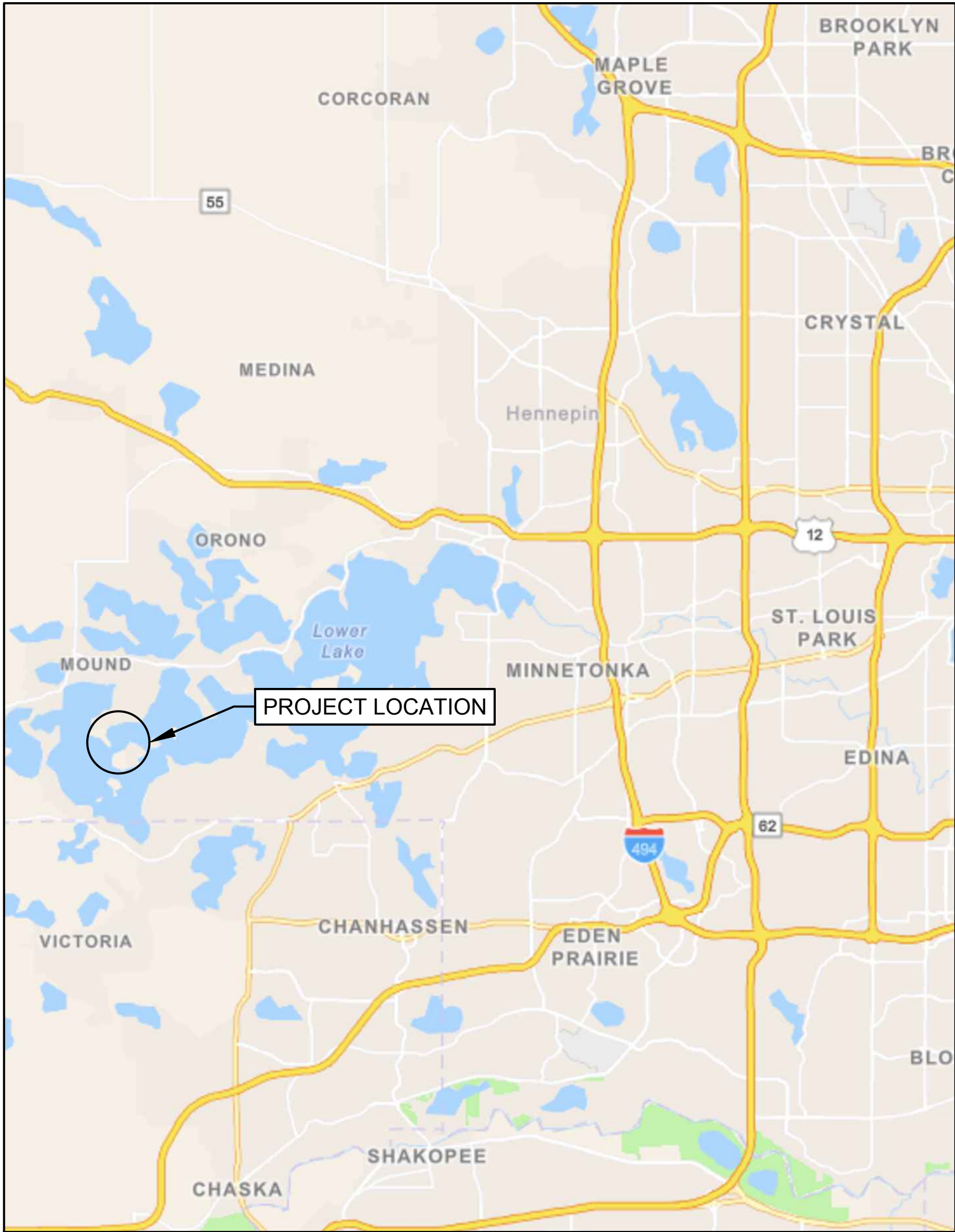


LIFT STATIONS L50 AND L51 GENERATOR UPGRADES

MET COUNCIL PROJECT 805511

MET COUNCIL CONTRACT 26P180



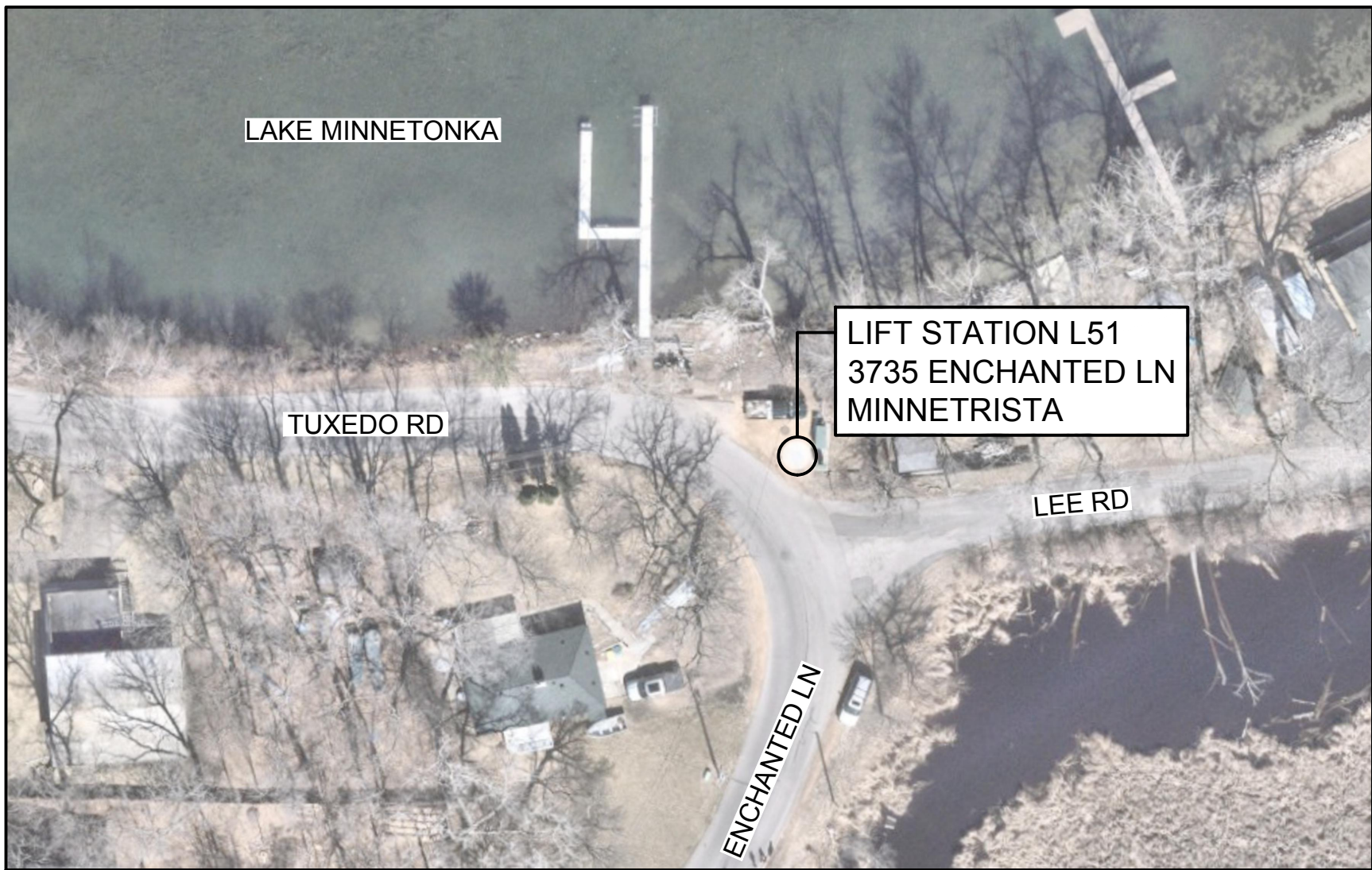
VICINITY MAP
NO SCALE

DRAWING INDEX			
NO	DISCIPLINE	DRAWING NUMBER	DRAWING TITLE
1	GENERAL	GI1	TITLE DRAWING AND DRAWING INDEX
2		GI2	STANDARD SYMBOLS AND IDENTIFICATION INFORMATION
3		GI3	GENERAL ABBREVIATIONS AND EQUIPMENT IDENTIFICATION
4		GI4	GENERAL NOTES, WORK SEQUENCE, SURVEY CONTROL AND CONTACTS
5	CIVIL	CS1	STORMWATER POLLUTION PREVENTION PLAN
6		CS2	EROSION CONTROL DETAILS
7		CL1	SITE RESTORATION DETAILS
8		CT1	TRAFFIC CONTROL PLAN
9	ELECTRICAL	EJ1	STANDARD ELECTRICAL SYMBOLS AND ABBREVIATIONS
10		EJ2	STANDARD ELECTRICAL DETAILS - 1
11		EJ3	STANDARD ELECTRICAL DETAILS - 2
12		EJ4	L50 AND L51 PUMP MOTOR STARTER SCHEMATIC
SITE 1: LIFT STATION L50			
13	CIVIL	CS1.1	L50 SITE PREPARATION AND RESTORATION PLANS
14	ELECTRICAL	ED1.1	L50 SITE PLAN DEMOLITION
15		ES1.1	L50 ELECTRICAL SITE PLAN
16		EO1.1	L50 ONE-LINE DIAGRAM AND RISER DIAGRAM
SITE 2: LIFT STATION L51			
17	CIVIL	CS2.1	L51 SITE PREPARATION AND RESTORATION PLANS
18	ELECTRICAL	ED2.1	L51 SITE PLAN DEMOLITION
19		ES2.1	L51 ELECTRICAL SITE PLAN
20		EO2.1	L51 ONE-LINE DIAGRAM AND RISER DIAGRAM



Know what's below.
Call before you dig.

SUBSURFACE UTILITY INFORMATION:
THE SUBSURFACE QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED
STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA.
THE SUBSURFACE UTILITY INFORMATION ON THE DRAWINGS IS SHOWN TO UTILITY QUALITY LEVEL C, DESCRIBED BELOW.
LEVEL C:
INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING
PROFESSIONAL JUDGEMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.



LOCATION MAPS
NO SCALE

NO	DATE	BY	REVISIONS
1	09/25/26	JEB	ISSUED FOR BIDDING

DESIGNED JEB	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DRAWN ALP	
CHECKED BSO	
DATE 09/25/26	



PROJECT 805511
FILE NAME GI001

LIFT STATIONS L50 AND L51 GENERATOR UPGRADES
TITLE DRAWING AND DRAWING INDEX

GI1
1 of 20

Y:\SHARED\CLIENTS\METROPOLITAN COUNCIL ENV SVC\MN\153515 - MCES L50-L51 GENERATOR UPGRADES\300 DESIGN\02 CIVISHEETS\GI001.DWG
PLOTTED: 9/22/2026 10:13:01 AM
MODIFIED: 9/22/2026 9:28:51 AM

NONPUBLIC DATA

C:\USERS\APERRY\1\ONE DRIVE - BROWN AND CALDWELL\DESKTOP\BACKUPS\MET COUNCIL\LE50-51\ CAD\SHSHEETS\CS001.DWG
PLOTTED: 9/30/2026 3:02:28 PM
MODIFIED: 9/22/2026 9:05:59 AM

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
THIS PROJECT WILL UPGRADE ELECTRICAL AND CONTROL EQUIPMENT AT THE EXISTING MET COUNCIL LIFT STATIONS L50 AND L51. THIS INCLUDES MOTOR CONTROL CENTERS (MCCs), SWITCHBOARDS AND BREAKERS, TRANSFER SWITCHES, AND GENERATOR EQUIPMENT. REPAIRS WILL BE MADE TO BITUMINOUS AND CONCRETE AREAS AND EQUIPMENT AND GENERATOR PADS WILL BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. DURING CONSTRUCTION, SYSTEM FLOWS WILL CONTINUE TO BE CONVEYED FROM THE EXISTING LIFT STATION PUMPS. TEMPORARY POWER WILL BE PROVIDED TO THE SITES WHILE ELECTRICAL EQUIPMENT IS BEING REPLACED. THE PROJECT SITES ARE ALONG EXISTING PUBLIC RIGHT OF WAYS (ROW) AND ALL WORK SHALL REMAIN WITHIN THE LIMITS ESTABLISHED AT EACH SITE.

A NPDES PERMIT IS NOT REQUIRED FOR THIS PROJECT BECAUSE THE TOTAL LAND DISTURBANCE IS LESS THAN ONE ACRE. HOWEVER, THE CONTRACTOR SHALL PROVIDE, INSPECT, MAINTAIN, AND REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED IN THE CONTRACT DOCUMENTS AND COMPLY WITH THE REQUIREMENTS OF THE NPDES CONSTRUCTION STORMWATER GENERAL PERMIT.

THE TOTAL LAND AREA ANTICIPATED TO BE DISTURBED BY THE PROJECT IS LESS THAN 1.0 ACRES; WHEREAS THE TOTAL LAND AREA FOR THE ENTIRE PROJECT IS APPROXIMATELY 0.1 ACRE. CONSTRUCTION DATES ARE ESTIMATED TO BE FROM OCTOBER 2027 TO MARCH 2028, WITH PRESUMED ESTABLISHMENT OF SEEDING/RESTORATION BY SEPTEMBER 2028. THE RECEIVING WATERS OF CONSTRUCTION STORMWATER RUNOFF INCLUDE MINNETONKA-UPPER LAKE (ADJACENT TO L51); UNNAMED WETLAND AND LAKE MINNETONKA ADJACENT TO L50.

SPECIAL AND IMPAIRED WATERS: MINNETONKA-UPPER LAKE ADJACENT TO L51 AND WITHIN 525 FEET OF L50 IS LISTED AS AN IMPAIRED WATER BODY. EACH SITE DISTURBS LESS THAN 0.1 ACRES, THUS LESS THAN 1-ACRE TOTAL BEING DISTURBED. ALL CONSTRUCTION STORMWATER RUNOFF WILL BE CONTROLLED WITH THE USE OF STANDARD BMPs. THE PROJECT DOES NOT PRESENT AREA DISTURBANCE AT OR NEAR 5.0 ACRES AND THEREFORE TEMPORARY SEDIMENT BASINS ARE NOT PROVIDED FOR STORMWATER TREATMENT. CHANGES BY THE CONTRACTOR SUCH AS STOCKPILING OR OTHER INTENTIONS, TO THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME THAT INCREASE THE AREA DISTURBED TO 5.0 ACRES OR MORE MAY NECESSITATE USE OF TEMPORARY SEDIMENT BASINS.

THERE ARE NO PLANNED PROJECT IMPACTS TO WETLANDS.

CONTACTS:

MET COUNCIL CONSTRUCTION AUTHORIZED REPRESENTATIVE (CAR):	SWPPP DESIGNER:	MET COUNCIL PROJECT MANAGER:
TBD	JARON FRANK	KAITLIN SWANSON, PE
[TITLE]	SWPPP DESIGNER	PRINCIPAL ENGINEER
MET COUNCIL metro wwtp - cfo	370 WABASHA ST N,	INTERCEPTOR ENGINEERING
2500 CHILDS RD	SUITE 500	3565 KENNEBEC DRIVE
ST PAUL, MN 55106	ST PAUL, MN 55102	EAGAN, MN 55122
(651) 602-XXXX	(651) 468-2068	(651) 602-4524
x.x@metc.state.mn.us	jfrank@brwnncald.com	kaitlin.swanson@metc.state.mn.us

AREA HYDROLOGIST:

RYAN TOOT
AREA HYDROLOGIST
MINNESOTA DNR
1200 WARNER ROAD
ST PAUL, MN 55106
(651) 259-5822
ryan.toot@state.mn.us

SWPPP IMPLEMENTATION CONTACTS			
AGENCY	PERMIT	CONTACT NAME	PHONE / EMAIL
CONTRACTOR'S EROSION CONTROL SUPERVISOR	TO BE APPLIED FOR BY CONTRACTOR	TBD @ BID	TBD @ BID
MPCA	NPDES	MYLES PETERSON	(651) 757-2101 myles.peterson@state.mn.us

CALCULATIONS

	L50	L51
EXISTING AREA OF IMPERVIOUS SURFACE (ACRES)	0.020	0.019
POST-CONSTRUCTION AREA OF IMPERVIOUS SURFACE (ACRES)	0.035	0.029
IMPERVIOUS NET (ACRES)	0.015	0.010

SWPPP TRAINING

THIS SWPPP WAS PREPARED BY THE PROJECT SWPPP DESIGNER WHO IS CERTIFIED IN THE DESIGN OF CONSTRUCTION SWPPPs. A COPY OF THE ENGINEER'S CERTIFICATION IS LOCATED WITHIN THE SWPPP PERMIT APPLICATION IN APPENDIX A OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CERTIFIED EROSION CONTROL SUPERVISOR THAT IS RESPONSIBLE FOR OVERSEEING THE IMPLEMENTATION OF THE SWPPP. THE CONTRACTOR MUST PROVIDE PROOF OF CERTIFICATION AT THE PRECONSTRUCTION MEETING AND WILL NOT BE ALLOWED TO COMMENCE WORK UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED TO THE MET COUNCIL-CAR AND PROJECT ENGINEER.

THE CONTRACTOR SHALL KEEP WRITTEN INSPECTION AND MAINTENANCE LOGS (INCLUDING ALL CLEANOUT AND CORRECTIVE ACTIONS) IN ACCORDANCE WITH THIS SWPPP AND ALL PERMITS.

THERE ARE NO STORMWATER MITIGATION MEASURES REQUIRED AS A RESULT OF AN ENVIRONMENTAL, ARCHEOLOGICAL OR AGENCY REVIEW. ALL MITIGATION MEASURES HAVE BEEN ADDRESSED IN THIS PLAN SET OR THE CONTRACT DOCUMENTS.

TMDL IMPLEMENTATION PLANS CONTAINING STORMWATER REQUIREMENTS
NO TMDL IMPLEMENTATION PLANS CURRENTLY EXIST FOR THE RECEIVING WATERS ON THIS PROJECT.

TIMING OF BMP INSTALLATION
THE EROSION AND SEDIMENTATION CONTROL BMPs SHALL BE INSTALLED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ONSITE AND SHALL MEET THE NPDES PERMIT PART IV CONSTRUCTION ACTIVITY REQUIREMENTS.

- TEMPORARY PERIMETER CONTROL BMPs WILL BE INSTALLED BEFORE ANY UPGRADE SOIL DISTURBANCE OCCURS.
- TOPSOIL AND RIPRAP, OR OTHER TEMPORARY EROSION CONTROL BMPs SHALL BE PLACED WITHIN 3 DAYS OF COMPLETION OF WORK ADJACENT TO ANY WETLANDS, LAKES, CREEKS, OR ANY DRAINAGEWAYS LEADING TO SUCH WATERWAYS.
- ONCE CONSTRUCTION ACTIVITY CEASES FOR 3 DAYS OR MORE IN AN AREA ADJACENT TO DITCHES, WETLANDS, LAKES, OR OTHER WATERWAYS, THAT AREA WILL BE STABILIZED WITH TEMPORARY OR PERMANENT BMPs FOR EROSION.

CODE	QUANTITY	UNITS	COMMON BMP NAME	REMARKS
A	60	SY	EROSION CONTROL BLANKET	RESTORATION AREA WITH 4:1 SLOPES OR STEEPER
B	460	LF	SILT FENCE	LENGTH OF REDUNDANT HEAVY DUTY SILT FENCE REQUIRED
C	60	SY	SEEDING	INCLUDES ALL TURF RESTORATION AREAS
D	820	SF	VEGETATED FILTER STRIP	AS SHOWN ON THE DRAWINGS

NOTE: SEE BID FORM FOR ADDITIONAL BREAKDOWN OF BMP QUANTITIES.

LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN		
DESCRIPTION	TITLE	LOCATION
DIRECTION OF FLOW / DRAINAGE AREA	PROJECT DRAWINGS	DRAWINGS CS1.1, CS2.1
RECEIVING SURFACE WATERS	SWPPP	THIS DRAWING
NO DISTURBANCE AREAS AND AREAS OF PHASE CONSTRUCTION	SWPPP	THIS DRAWING
EROSION & SEDIMENT CONTROL DETAILS	PROJECT DRAWINGS	DRAWING CS2
FINAL STABILIZATION	PROJECT DRAWINGS	DRAWINGS CS1.1, CS2.1

WATER QUALITY ASSESSMENT		
THE FOLLOWING QUESTIONS PROVIDE AN INITIAL ASSESSMENT OF THE QUALITY OF THE WATER TO BE DISCHARGED FROM THE DEWATERING OPERATIONS.		
COMMON SENSE TEST	1. REVIEW THE PROJECT RECORDS. IS THERE ANY REASON TO SUSPECT THAT THE WATER MAY BE POLLUTED BY SOMETHING OTHER THAN SEDIMENT?	NO YES
	2. IS THE WATER LOCATED IN AN AREA OF KNOWN CONTAMINATION?	NO YES
SIGHT TEST	DOES THE WATER HAVE AN ABNORMAL VISUAL FEATURE, SUCH AS (CIRCLE): OILY SHEEN FLOATING FOAM MURKY APPEARANCE UNUSUAL COLOR OTHER	
SMELL TEST	DOES THE WATER HAVE AN ODOR? POSSIBLE ODORS INCLUDE GASOLINE, PETROLEUM, AMMONIA, SEWAGE, ETC.	NO YES

EROSION CONTROL NOTES

- MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (LATEST EDITION) SHALL APPLY ALONG WITH MET COUNCIL CONTRACT DOCUMENTS. MET COUNCIL AND THE CONTRACTOR WILL BE CO-PERMITTEES FOR THE MPCA NPDES STORMWATER CONSTRUCTION PERMIT FOR THIS PROJECT - CONTRACTOR'S SIGNATURE ON PERMIT IS REQUIRED. SUBMIT INITIAL EROSION CONTROL (EC) SCHEDULE AT OR BEFORE THE PRECONSTRUCTION CONFERENCE. SUBMIT EC SCHEDULE ALTERATIONS/ADJUSTMENTS WEEKLY THEREAFTER FOR CAR'S APPROVAL.

- THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL QUALITY CONTROL (QC) ON THIS PROJECT. CONTRACTOR SHALL PHASE/SEQUENCE THE PROJECT TO MINIMIZE EXPOSURE TO EROSION. CONTRACTOR SHALL PLACE OR OTHERWISE CONSTRUCT EROSION CONTROL AND SEDIMENT CONTAINMENT DEVICES TO MINIMIZE THE RUNOFF, TRACKING AND SEDIMENT LOSS FROM DISTURBED AREAS OF THE PROJECT SITE.

- EROSION AND SEDIMENT CONTROL MEASURES SHOWN HEREON REPRESENT THE ANTICIPATED MEASURES NECESSARY TO ACCOMPLISH THE WORK. HOWEVER, THOSE SHOWN ARE NOT WARRANTED TO BE THE ONLY MEASURES REQUIRED; SUCH AS THEY DO NOT INCLUDE POSSIBLE STOCKPILING AND/OR STAGING AREAS SELECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL WORK WITH MET COUNCIL-CAR AND APPROPRIATE REGULATORY AUTHORITY(S) IN THE FIELD TO DETERMINE EXACT MEASURES TO BE IMPLEMENTED THROUGHOUT THE PROJECT, BASED UPON THE CONTRACTOR'S SCHEDULE AND PLANNED MEANS AND METHODS OF CONSTRUCTION.

- AT MINIMUM, THE FOLLOWING CONTROLS WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE:

- EROSION CONTROL BLANKETS SHALL BE USED ON ALL SLOPES 4H:1V OR STEEPER.

- SILT FENCE SHALL BE USED IN CONJUNCTION WITH OTHER EROSION BMPs.

- SILT FENCE WITH BALE BACKING DITCH CHECKS, STAKED BIOROLL DITCH CHECKS, OR APPROVED EQUAL SHALL BE USED TO REDUCE DITCH VELOCITIES AND REDUCE EROSION.

- REDUNDANT PERIMETER CONTROLS ARE REQUIRED ADJACENT TO ENVIRONMENTALLY SENSITIVE AREAS PER PLANS AND SECTION 02370.

- SALVAGE, SEGREGATE, STOCKPILE, AND RE-USE A MINIMUM OF 6-INCHES OF EXISTING TOPSOIL FROM EARTHWORK AND STRIPPING ACTIVITY. SEE SECTION 02900 FOR ADDITIONAL SOILS MANAGEMENT REQUIREMENTS.

- CULVERT INLETS AND OUTLET AREAS SHALL BE CONTINUOUSLY PROTECTED WITH MnDOT APPROVED DEVICES/METHODS.

- STABILIZED CONSTRUCTION ENTRANCE, OR REUSABLE MUD MAT SHALL BE USED TO REDUCE SEDIMENT TRACKING.

- PERMANENT VEGETATION WILL BE ESTABLISHED RIGHT AFTER TOPSOIL IS SPREAD.

- CONTROL ALL SITE WASTE, DEBRIS, MATERIAL STORAGE, CONCRETE WASHOUT, ONSITE. NO MITIGATION OFFSITE ALLOWED.

- ALL AREAS WITH EXPOSED SOILS, INCLUDING STOCKPILES, THAT ARE TO REMAIN WITHOUT ACTIVE CONSTRUCTION FOR MORE THAN 7 DAYS SHALL BE PROTECTED FROM SOIL EROSION WITH TEMPORARY OR PERMANENT COVER WITHIN 3 DAYS OF BEING LAST WORKED. STABILIZATION SHALL AT A MINIMUM INCLUDE SEEDING AND MULCHING. EROSION CONTROL BLANKET WITH SOIL STAPLES SHALL BE USED ADJACENT TO WETLANDS AND WATERWAY EMBANKMENTS.

- IF ANY STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 7 DAYS SEDIMENT AND EROSION CONTROL DEVICES SHALL BE USED. NO STOCKPILING WILL BE PERMITTED ADJACENT TO WETLANDS, DITCHES, OR OTHER WATERWAY EMBANKMENTS.

- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE DIRECTED THROUGH EFFECTIVE FILTERING DEVICE(S) IN ACCORDANCE WITH MnDOT SPECIFICATION 2573 AND SECTION 02370. USE OF APPROVED FLOCCULATION MAY BE NECESSARY. CONTRACTOR SHALL COMPLETE DAILY WATER QUALITY ASSESSMENTS WITH INSPECTOR/CAR PER WATER QUALITY ASSESSMENT TABLE ON THIS DRAWING.

- THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT APPRECIABLE SOIL TRACKING INTO ROADWAYS. APPRECIABLE SOIL, MUD OR DEBRIS WASHED, TRACKED OR DEPOSITED ONTO PAVED SURFACES SHALL BE REMOVED PRIOR TO THE END OF EACH WORKDAY.

- STABILIZED CONSTRUCTION ENTRANCE(S) SHALL BE REMOVED AND AREA RESTORED AFTER CONSTRUCTION IS COMPLETE.

- THE CONTRACTOR QC PROGRAM SHALL ENSURE THAT A COMPETENT INDIVIDUAL SHALL INSPECT EROSION AND SEDIMENT CONTROL DEVICES WEEKLY AND AFTER EACH RAIN EVENT. ALL NONFUNCTIONAL DEVICES SHALL BE REPAIRED, REPLACED, AND/OR CLEANED. MAINTAIN WRITTEN LOG OF ALL WEEKLY AND RAIN EVENT INSPECTIONS; INCLUDE CORRECTIVE ACTIONS IMPLEMENTED.

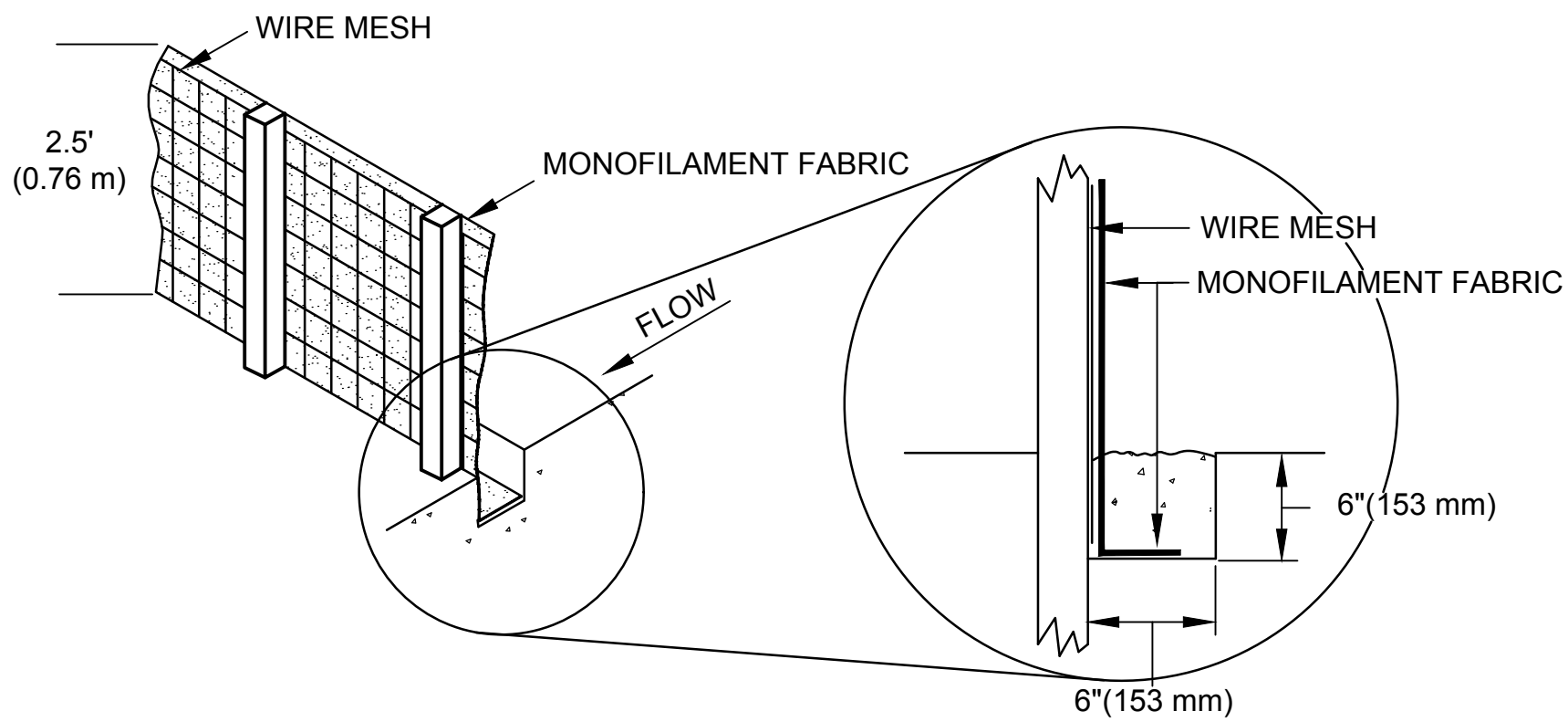
- THE CONTRACTOR SHALL MAINTAIN CAPABILITY FOR RAPID STABILIZATION METHOD 4 (MnDOT 2573.3) AT ALL TIMES. INCLUDES CAT III EROSION CONTROL BLANKET (ECB) [N. AMERICAN GREEN S150 OR APPROVED EQUAL] ALONG WITH SEED MIXTURE, FERTILIZER, AND SOIL STAPLES PER 2573. THE UPGRADE END OF EACH BLANKET STRIP SHALL BE BURIED AT LEAST 6 INCHES IN A VERTICAL CHECK SLOT. STAPLES SHALL BE PLACED AT SEAMS AND THROUGHOUT THE BLANKET AT A MAXIMUM SPACING IN ALL DIRECTIONS OF 2 FEET.

- SEE DRAWING G14 FOR GENERAL NOTES REGARDING CONSTRUCTION LIMITS, UTILITIES, AND OTHER ITEMS RELATED TO CONSTRUCTION.

NONPUBLIC DATA

										DESIGNED JEB	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  SIGNATURE: _____ JULIE BENADUM TYPED & PRINTED NAME: _____ DATE 09/25/26 REG NO 47295	PROJECT 805511	LIFT STATIONS L50 AND L51 GENERATOR UPGRADES STORMWATER POLLUTION PREVENTION PLAN	CS1 5 of 20		
									DRAWN DPB	FILE NAME CS001						
	09/25/26	JEB	ISSUED FOR BIDDING							CHECKED BSO						
NO	DATE	BY	REMARKS		NO	DATE	BY	REMARKS								
REVISIONS					REVISIONS											

Y:\SHARED\CLIENTS\METROPOLITAN COUNCIL ENV SVC\MN\153515 - MCES L50-L51 GENERATOR UPGRADES\300 DESIGN\02 CIVISHEETS\CS002.DWG
PLOTTED: 9/21/2025 10:20:09 AM
MODIFIED: 10/2/2025 9:45:39 AM



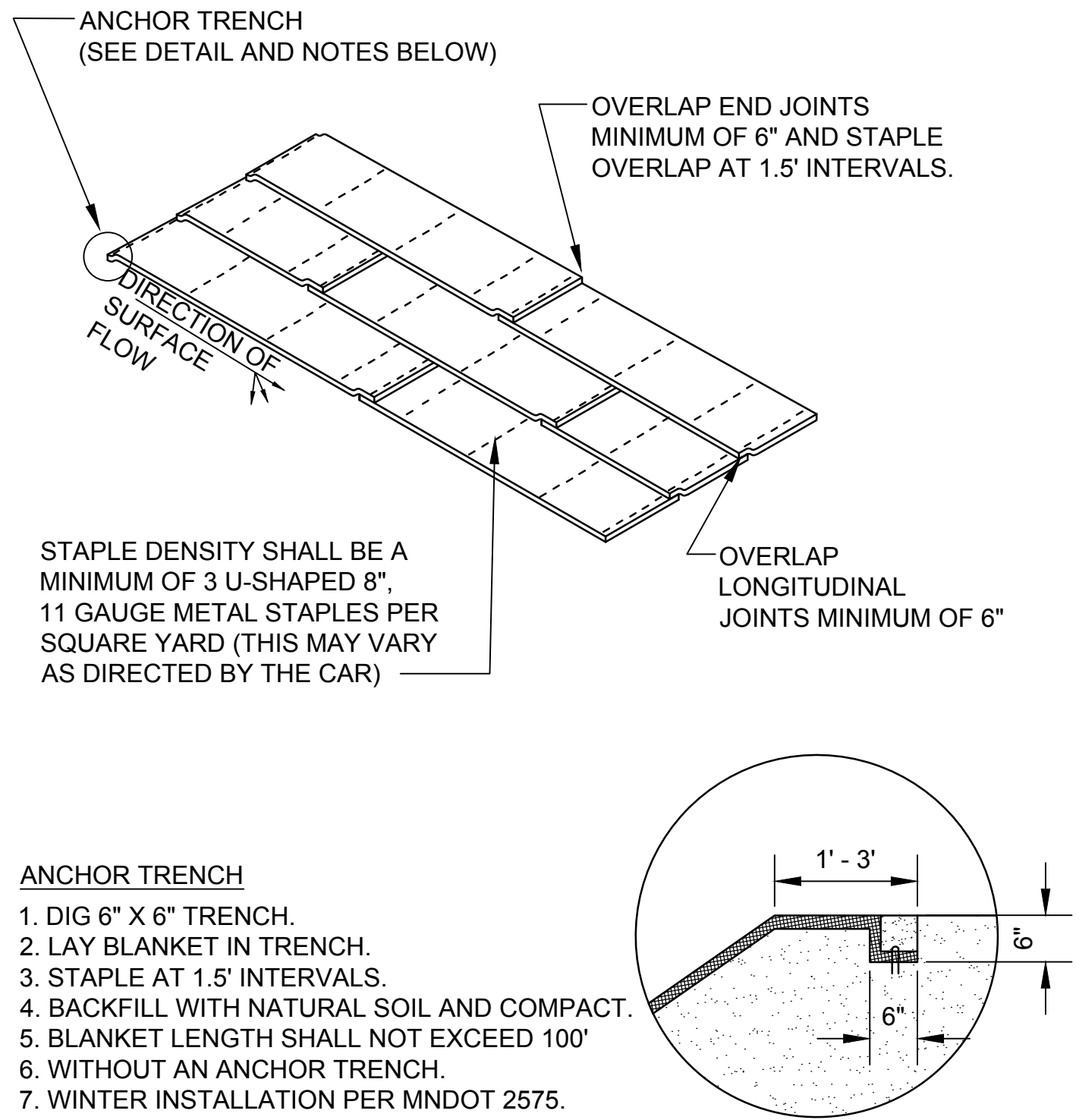
- NOTES:
1. PLACE BOTTOM EDGE OF FENCE INTO 6" (153 mm) DEEP TRENCH AND BACKFILL IMMEDIATELY.
 2. POSTS SHALL BE:
 - 4' (1.22 m) ON CENTER
 - STEEL T-POSTS WITH WELDED PLATE
 - DRIVEN 2' (0.61 m) INTO THE GROUND.
 - THREE ZIP TIE FASTENERS PER POST
 3. INSTALL REDUNDANT PERIMETER CONTROL IN AREAS ADJACENT TO WETLANDS PER SECTION 01563.

1

CS2

SILT FENCE - HEAVY DUTY - MANUAL CONSTRUCTION

NO SCALE



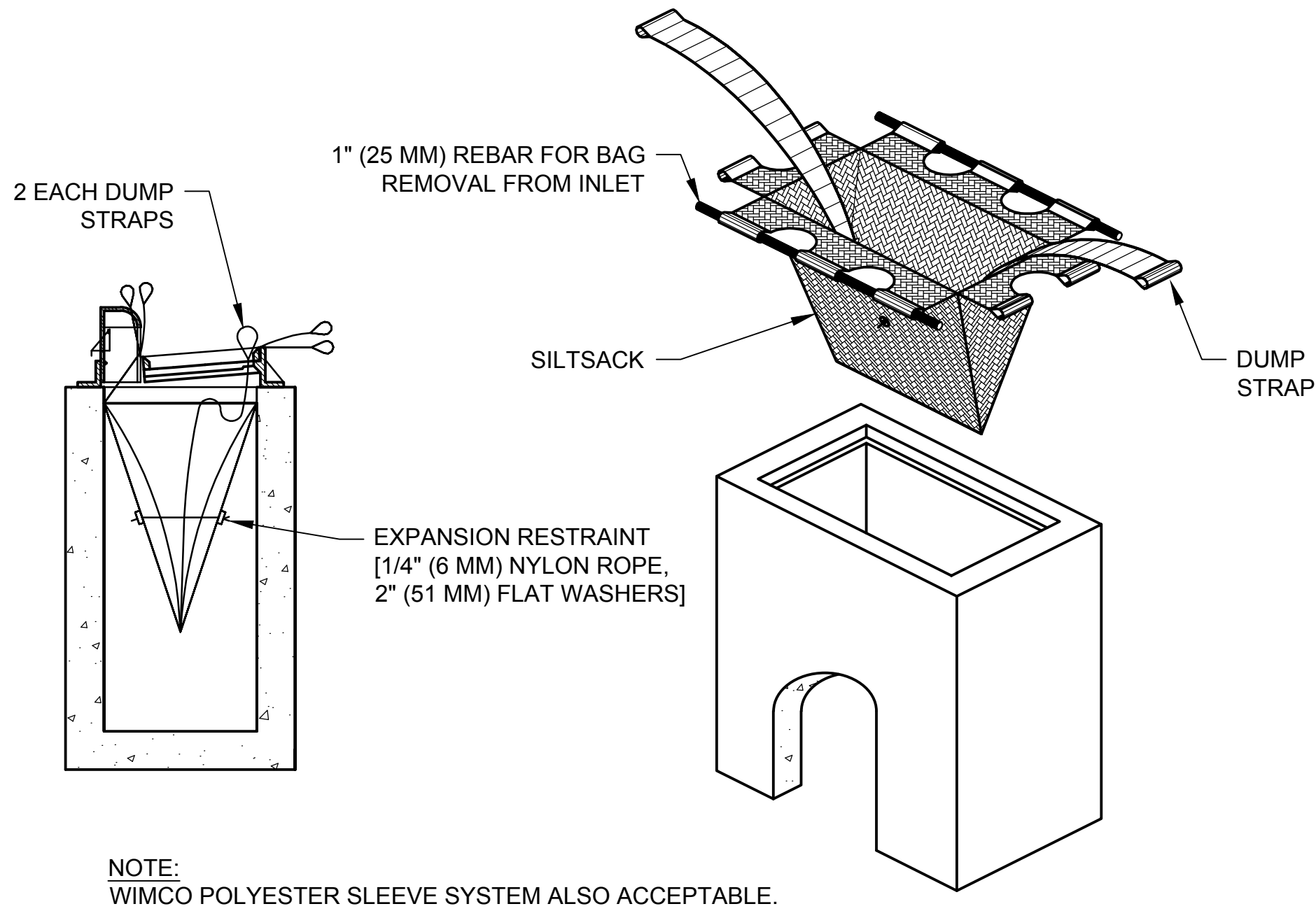
- ANCHOR TRENCH
1. DIG 6" X 6" TRENCH.
 2. LAY BLANKET IN TRENCH.
 3. STAPLE AT 1.5' INTERVALS.
 4. BACKFILL WITH NATURAL SOIL AND COMPACT.
 5. BLANKET LENGTH SHALL NOT EXCEED 100'
 6. WITHOUT AN ANCHOR TRENCH.
 7. WINTER INSTALLATION PER MNDOT 2575.

2

CS2

EROSION CONTROL BLANKET

NO SCALE



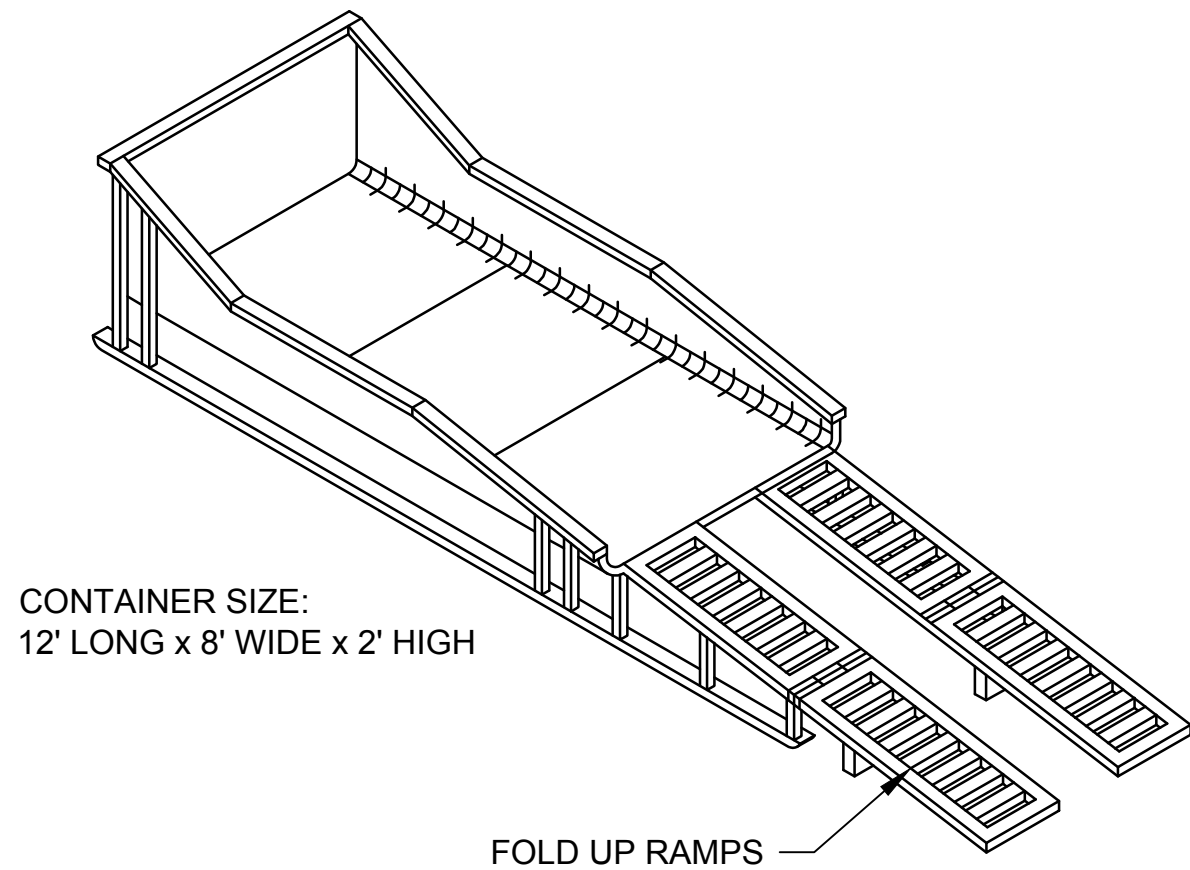
NOTE:
WIMCO POLYESTER SLEEVE SYSTEM ALSO ACCEPTABLE.

3

CS2

INLET PROTECTION SEDIMENT FILTER SACK

NO SCALE



- NOTES:
1. CONTAINER IS TO BE PORTABLE, TEMPORARY, SELF-CONTAINED, AND WATERTIGHT TO CAPTURE AND CONTAIN CAUSTIC CONCRETE WASTEWATER AND WASHOUT MATERIAL TO A CAPACITY OF APPROXIMATELY 350 YARDS OF POURED CONCRETE.
 2. THE CONTAINER SHALL BE EQUIPPED WITH RAMPS. A RAMPLESS CONTAINER MAY BE USED IN CONJUNCTION WITH A RAMPED CONTAINER OR BY ITSELF IF A CONCRETE PUMP IS NOT NEEDED.
 3. THE WASHOUT MUST BE DISPOSED OF OR TREATED AND RECYCLED IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH FEDERAL, STATE, OR LOCAL REGULATIONS.
 4. INSPECT AND CLEAN OUT WHEN 3/4 FULL, NOT ALLOWING THE CONTAINER TO OVERFLOW.
 5. PROPER HOUSEKEEPING MEASURES SHALL BE EMPLOYED WHEN WASHING OUT EQUIPMENT.

4

CS2

PORTABLE CONCRETE WASHOUT CONTAINER

NO SCALE

NONPUBLIC DATA

	09/25/26	JEB	ISSUED FOR BIDDING				
NO	DATE	BY	REMARKS	NO	DATE	BY	REMARKS
REVISIONS				REVISIONS			

DESIGNED	JEB
DRAWN	
DPB	
CHECKED	
BSO	

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

SIGNATURE: JULIE BENADUM

TYPED & PRINTED NAME: JULIE BENADUM

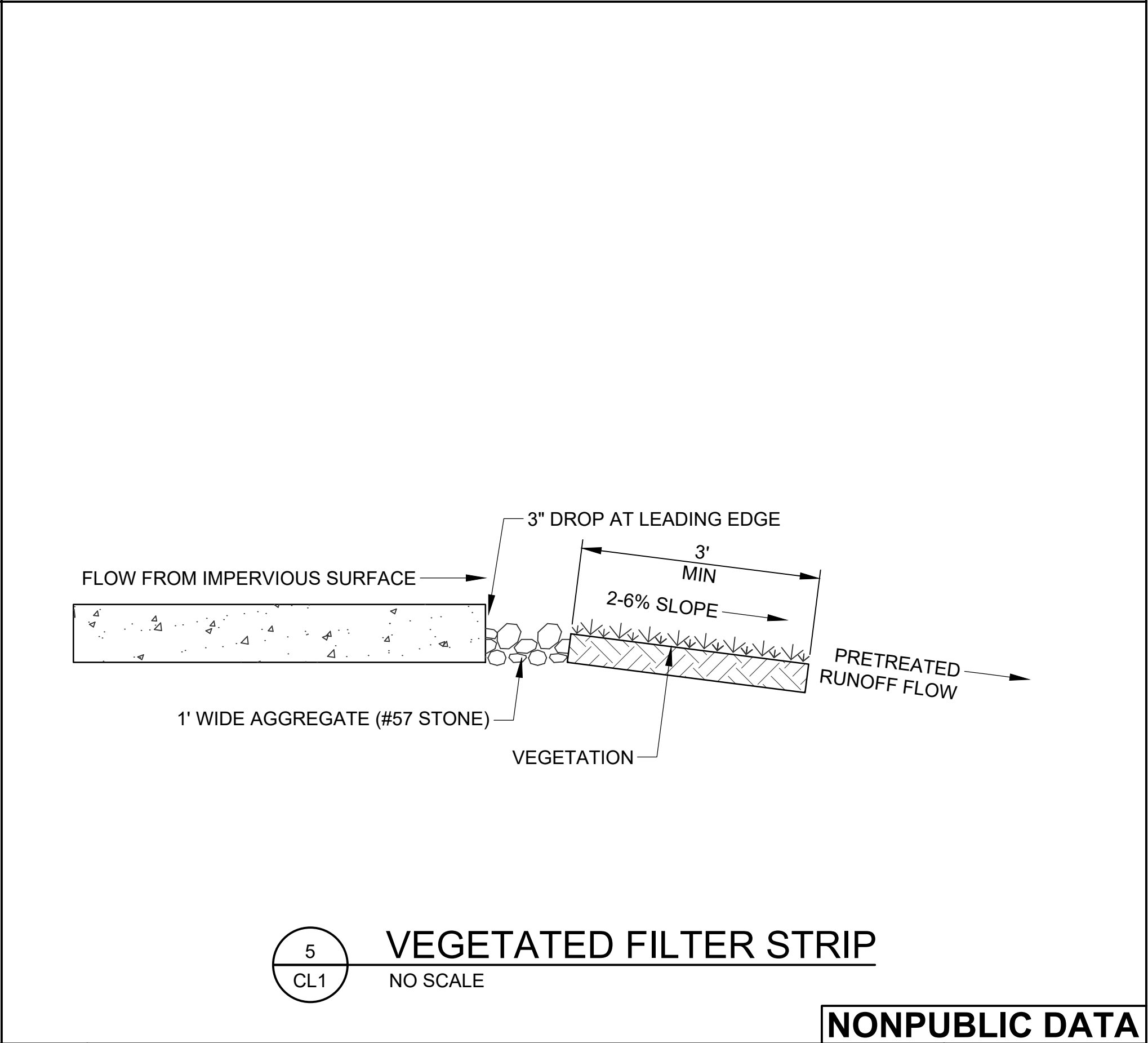
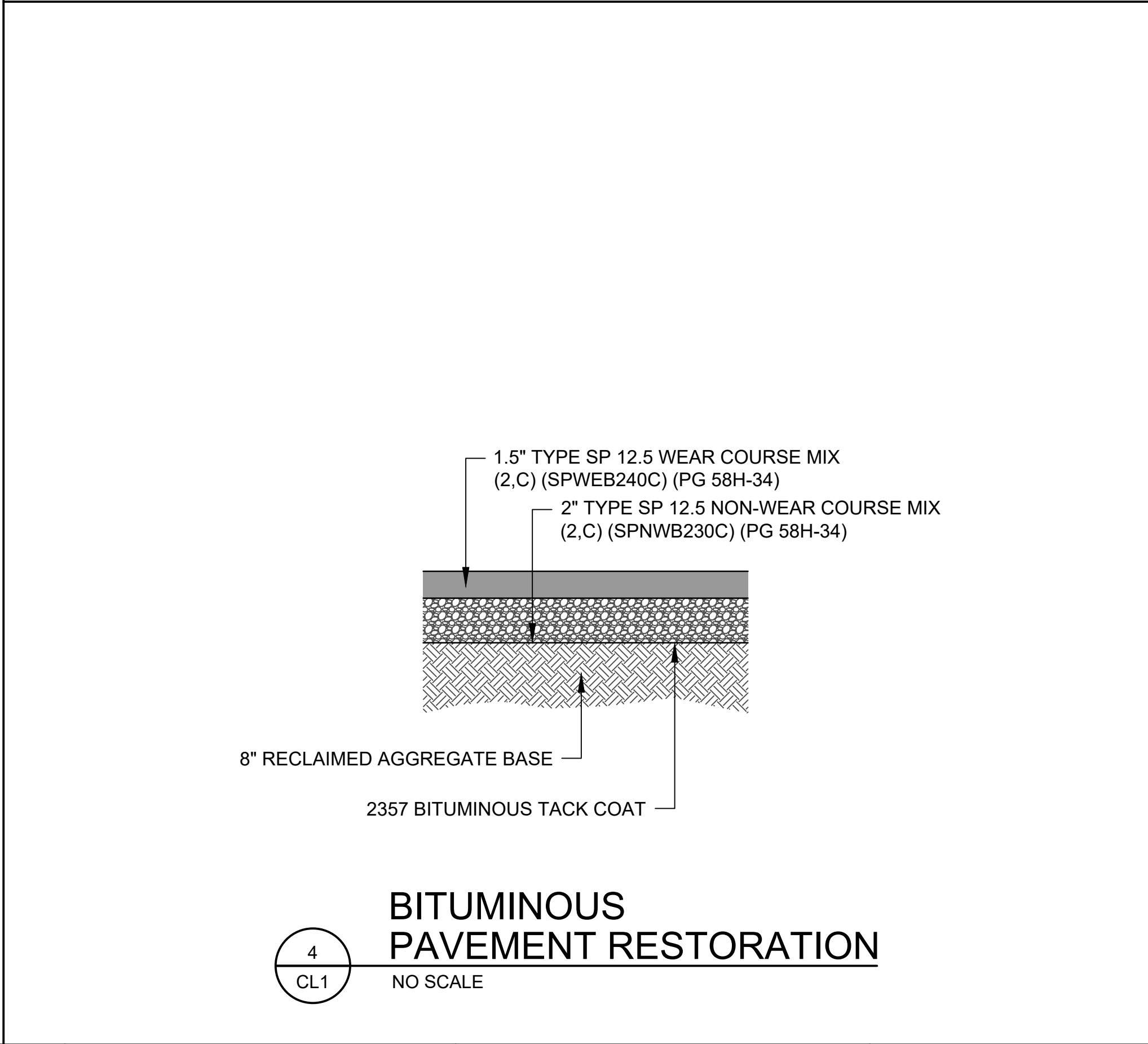
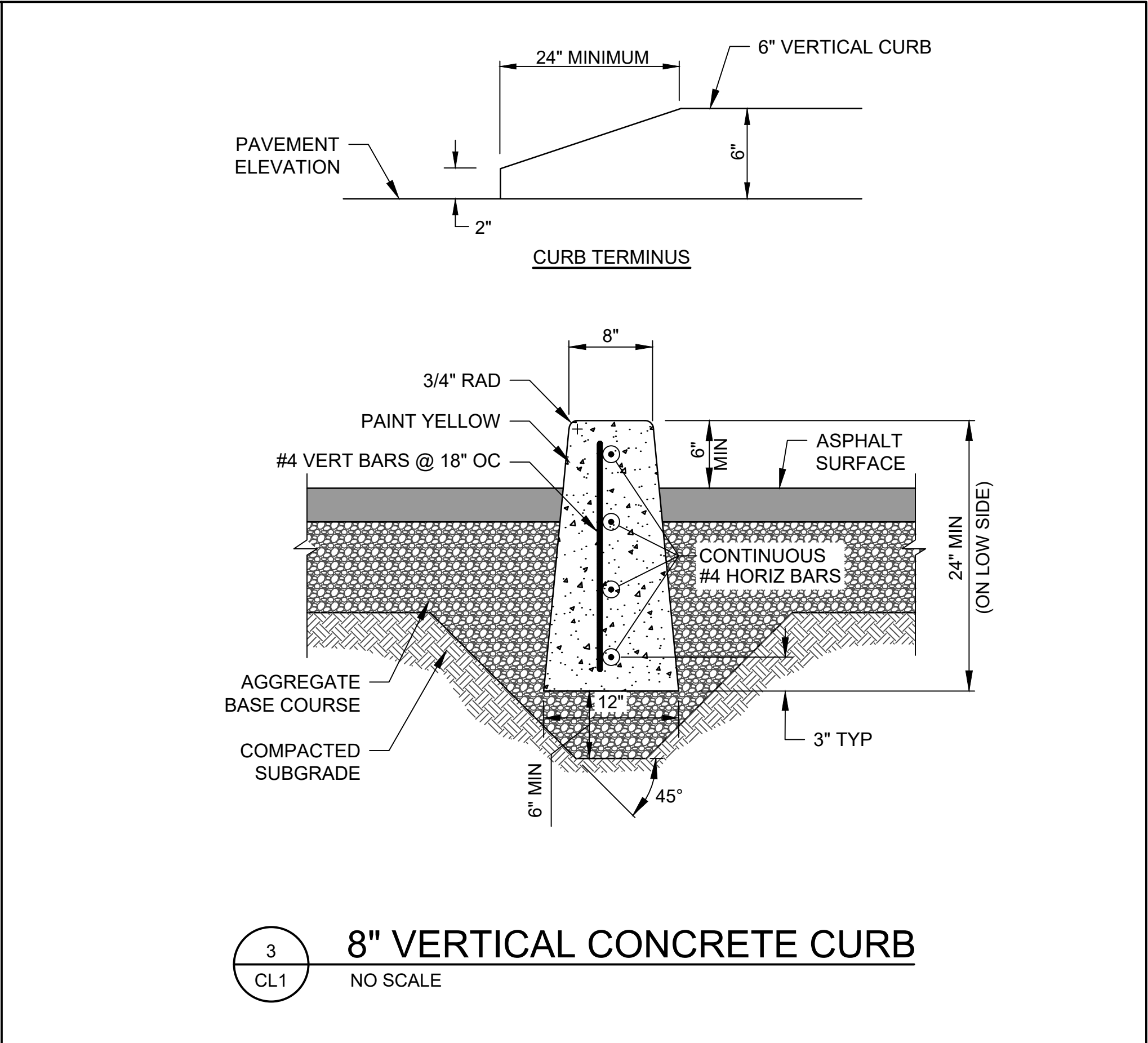
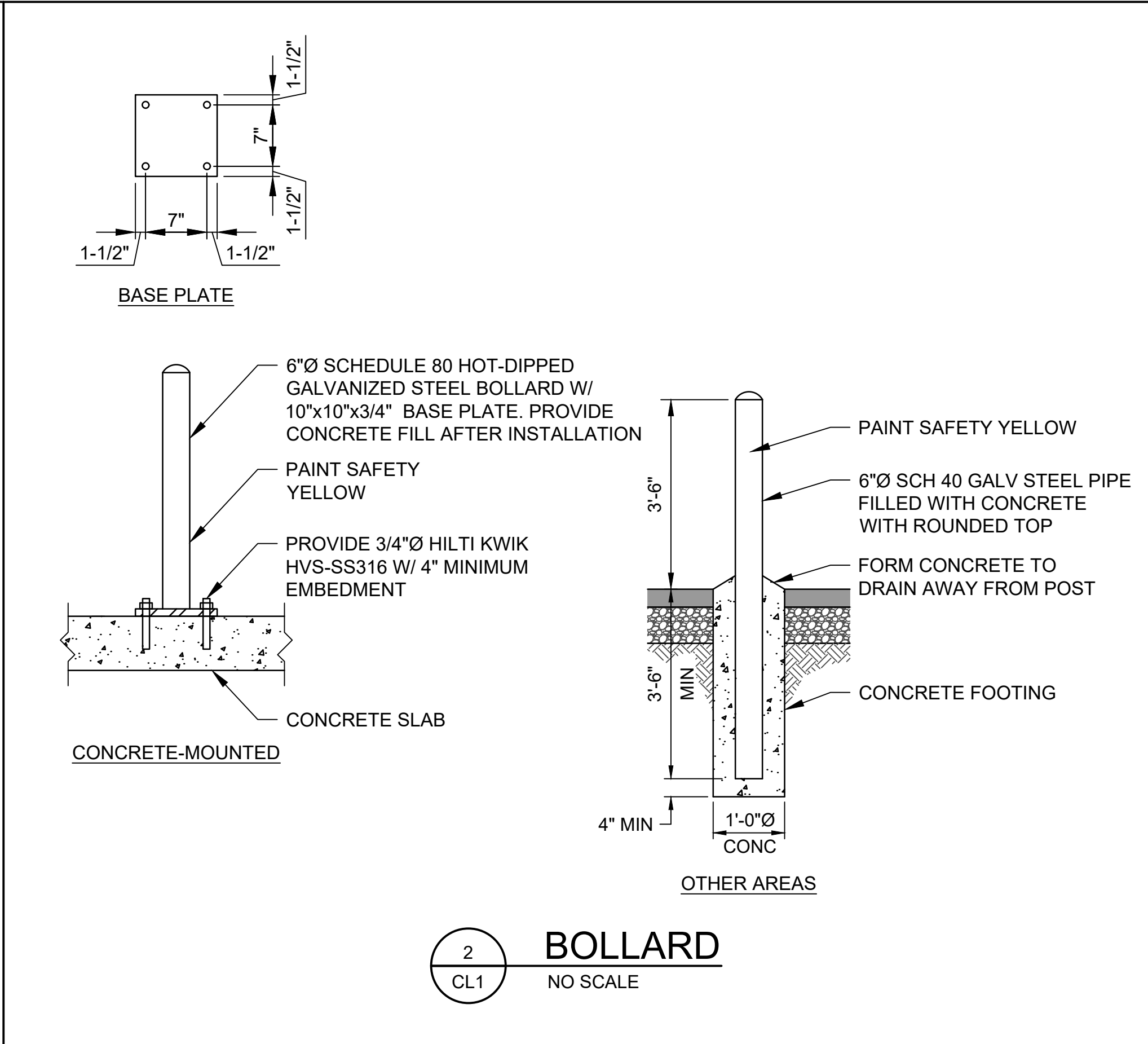
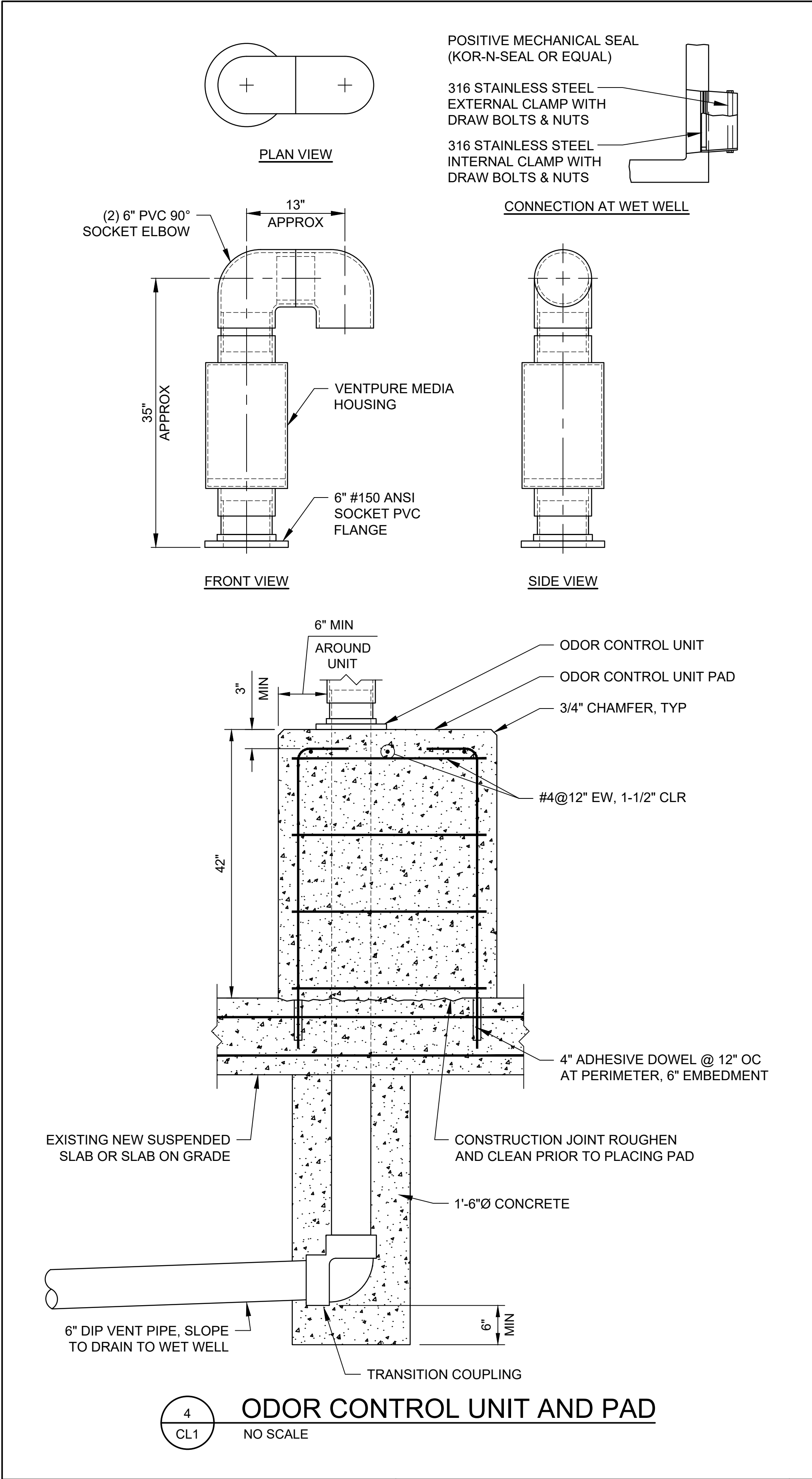
DATE: 09/25/25 REG NO: 47295



PROJECT	805511
FILE NAME	CS002

LIFT STATIONS L50 AND L51 GENERATOR UPGRADES
EROSION CONTROL DETAILS

C:\USERS\APERRY\1\ONE DRIVE - BROWN AND CALDWELL\DESKTOP\BACKUPS\MET COUNCIL\150-51\ CAD\150-51\CL001.DWG
PLOT: 9/25/2025 3:04:03 PM
MODIFIED: 9/25/2025 10:54:55 AM



NO	DATE	BY	REVISIONS	REMARKS
1	09/25/26	JEB	ISSUED FOR BIDDING	

DESIGNED	JEB
DRAWN	
DPB	
CHECKED	
BSO	

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SIGNATURE: JULIE BENADUM

TYPED & PRINTED NAME: JULIE BENADUM

DATE: 11/01/25 REG NO: 47295



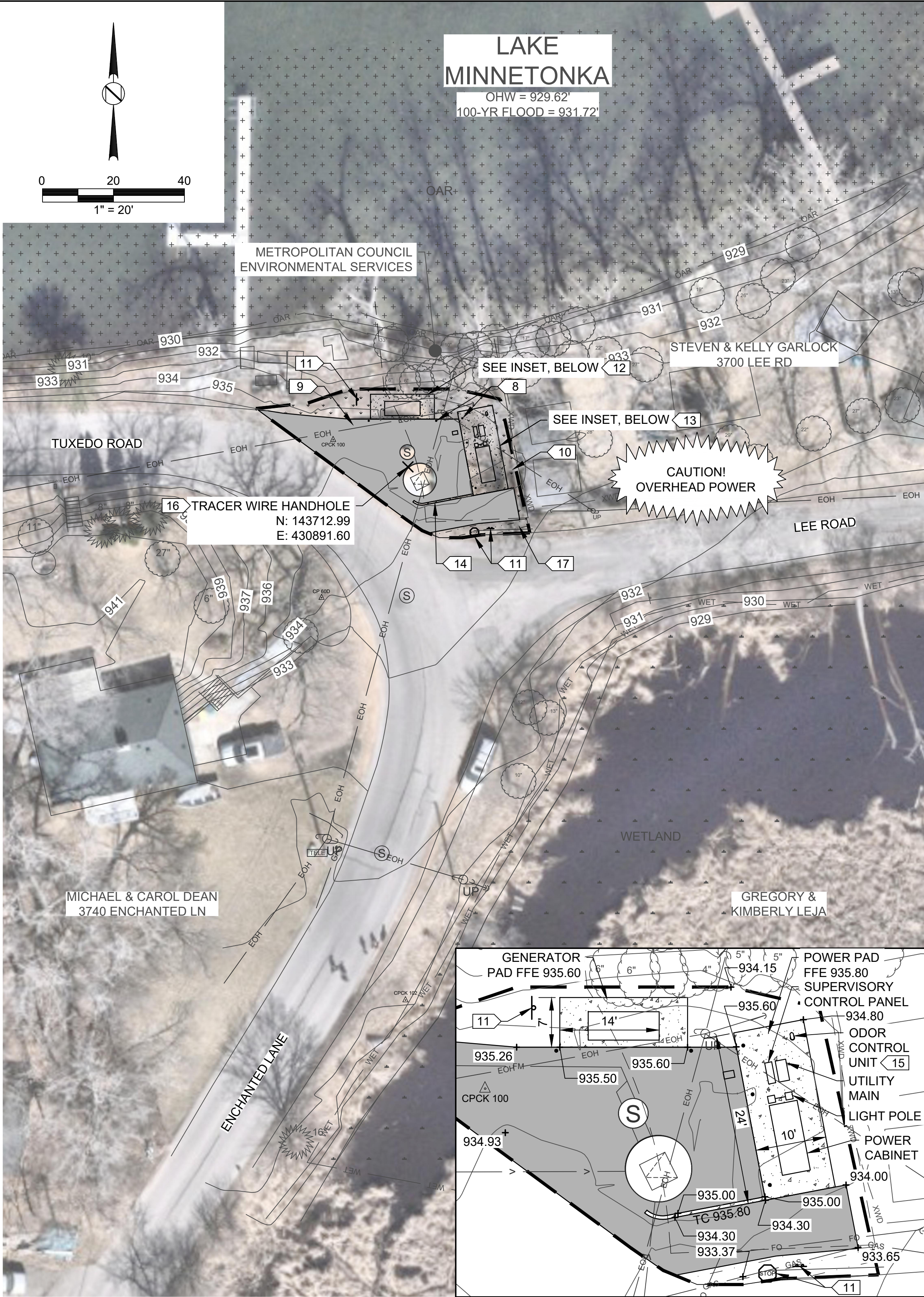
PROJECT	805511
FILE NAME	CL001

LIFT STATIONS L50 AND L51 GENERATOR UPGRADES
SITE RESTORATION DETAILS

C:\USERS\JERRY\ONE DRIVE - BROWN AND CALDWELL\DESKTOP\BACKUPS\MET COUNCIL\150-511_CAD\15SHEETS\CS020001.DWG
PLOTED: 9/20/2023 3:42:24 PM
MODIFIED: 9/25/2023 11:50:13 AM



1 SITE PREPARATION
CS2.1



2 SITE RESTORATION
CS2.1

GENERAL NOTES:

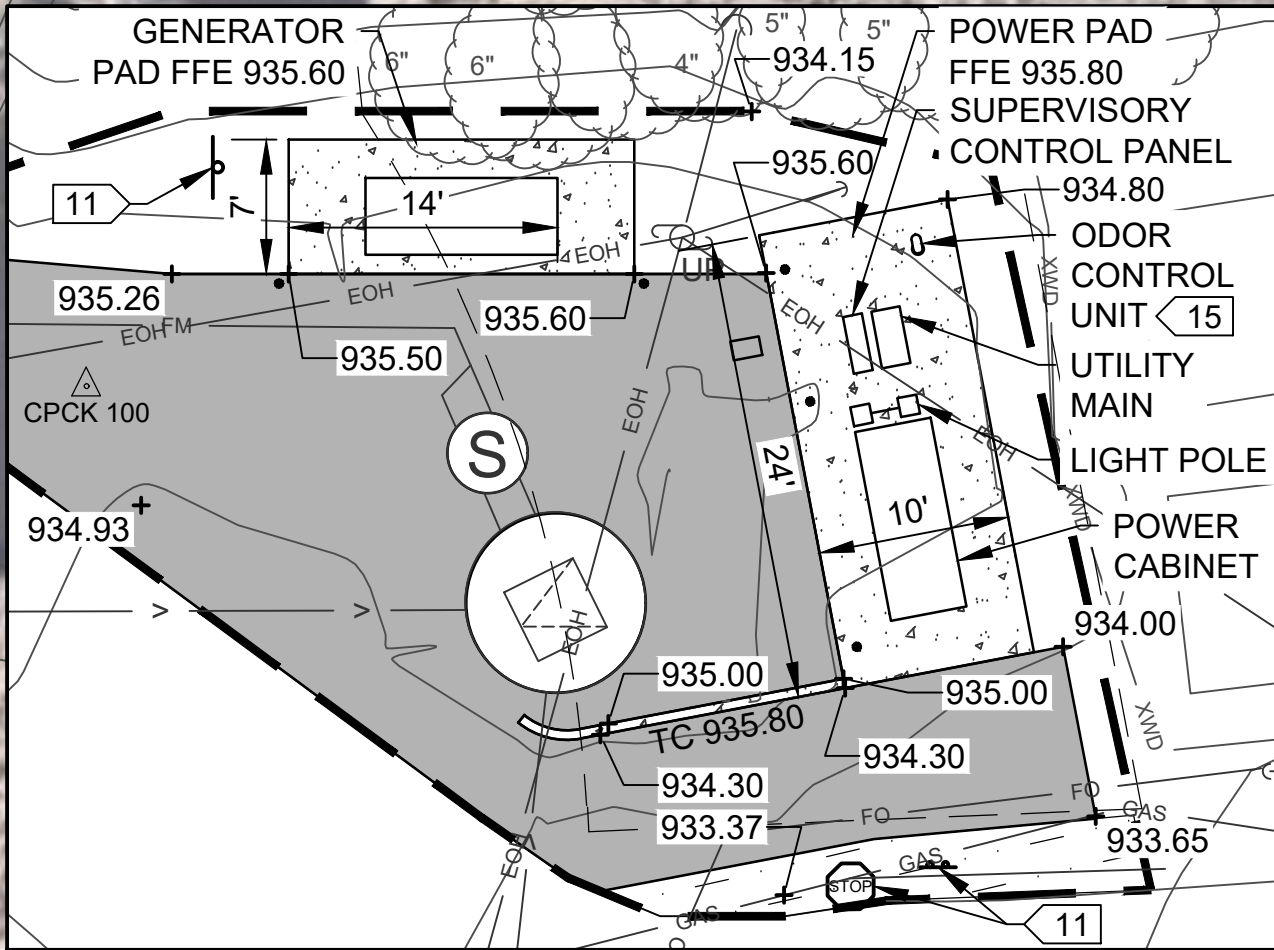
1. REFER TO CONSTRUCTION SEQUENCE ON DRAWING G13. SUBMIT OPERATIONAL IMPACT NOTIFICATION (OIN) FORM AS SPECIFIED IN SECTION 01500 PRIOR TO INTERRUPTION OF SERVICE AT THE LIFT STATION.
2. PROVIDE 30 CALENDAR DAYS NOTICE PRIOR TO VEGETATION REMOVAL FOR CITY AND RESIDENTS NOTIFICATION.
3. PROTECT EXISTING LIFT STATION FACILITIES THROUGHOUT CONSTRUCTION.
4. SEE CT1 FOR TRAFFIC CONTROL.

KEY NOTES:

1. REDUNDANT SILT FENCE PER DETAIL 1/CS2.
2. REMOVE EXISTING UNDERGROUND POWER CONDUITS.
3. REMOVE AND SALVAGE SIGNS FOR REINSTALLATION.
4. REMOVE EXISTING TREE.
5. REMOVE EXISTING BITUMINOUS PAVEMENT AND GRAVEL SURFACE TO THE LIMITS SHOWN.
6. REMOVE EXISTING POWER AND RTU CABINETS, AND CONCRETE PAD. SALVAGE RTU PER SECTION 02050.
7. TEMPORARY STOP SIGN.
8. BOLLARD PER DETAIL 2/CL1 (TYP OF 5). ENSURE BOLLARD LOCATIONS DO NOT BLOCK ACCESS TO GENERATOR, UTILITY MAIN DISCONNECT, AND POWER CABINET.
9. BITUMINOUS PAVEMENT PER DETAIL 4/CL1.
10. EROSION CONTROL BLANKET WITH MnDOT SEED MIX 35-641 PER DETAIL 2/CS2.
11. REINSTALL SALVAGED SIGNS.
12. GENERATOR CONCRETE PAD PER DETAIL 1/EJ3.
13. EQUIPMENT CONCRETE PAD PER DETAIL 2/EJ3.
14. SEE 3/CL1 FOR CURB DETAIL.
15. VENTPURE CARBON CANISTER PER DETAILS 1/CL1.
16. ADJUST TRACER WIRE BOX CASTING AS NECESSARY.
17. VEGETATED FILTER STRIP PER DETAIL 5/CL1.

LEGEND:

- CONSTRUCTION LIMITS
- SURFACE FLOW
- VEGETATED FILTER STRIP



NONPUBLIC DATA

NO	DATE	BY	REVISIONS	REMARKS
1	09/25/26	JEB	ISSUED FOR BIDDING	

DESIGNED	JEB
DRAWN	DPB
CHECKED	BSO
DATE	09/25/26
REG NO	47295



PROJECT	805511
FILENAME	CS020001

LIFT STATIONS L50 AND L51 GENERATOR UPGRADES
L51 SITE PREPARATION AND RESTORATION PLANS

CS2.1
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