Docusign Envelope ID: C069E519-20F0-4299-E		ISPORTATION DIVISION	NOT VALID UNLESS SIGNED BY ANOKA COUNTY PERMIT NUMBER
	1440 BUNKER	LAKE BLVD NW	25-325
Anoka County		, MN 55304 24-3176	RIGHT OF WAY X
MINNESOTA Respectful, Innovative, Fiscally Responsible	highwaypermits@	anokacountymn.gov	COMMERCIAL ACCESS
			CSAH 12
		R PLACING OBSTRUCTIONS ON THE ERED PRIOR TO PERMIT APPROVAL	COUNTY HIGHWAY SYSTEM
APPLICANT NAME Dresel Contra	octing	CONTACT PERSON Craig Meye	er
ADDRESS 24044 July ave.		CITY Chisago City	
PHONE NUMBER 6123281478		EMAIL CRAIG@DRESELCONTR	ACTING.COM
COMPANY OR INDIVIDUAL PERFO	DRMING WORK Dresel	Contracting	
CONTACT PERSON Craig Meyer		EMAIL craig@dreselcontractin	ng.com
		PHONE NUMBER 612-328-147	78
PERMIT WORK TO START 06/09	/2025		
PERMIT WORK TO BE COMPLETE	D 09/30/2025		
DURATION OF JOB 3 months			
ARE YOU BEING ASKED TO RELOO	CATE DUE TO A COUNTY	PROJECT? Yes	
ANOKA COUNTY PROJECT NUMB	ER SAP 002-612-035		

WORK SITE ADDRESS 109th from CSAH 17 to CR53

METHOD OF INSTALLATION/CONSTRUCTION Overlays/Mucking

NATURE OF WORK Muck out the road bed, sand gravel and pave

Per approved plan on file at ACHD.

SURFACE TO BE DISTURBED

X DITCH/BLVD



IF THE ROADWAY IS ENCROACHED, YOU MUST ATTACH A TRAFFIC CONTROL PLAN AND/OR REFERENCE THE MOST CURRENT VERSION OF THE MN TEMPORARY TRAFFIC CONTROL FIELD MANUAL (3+ DAYS REQUIRES PLANS TO BE SIGNED BY A LICENSED PE).

Per approved plan on file at ACHD.

CITY Blaine

- X GRAVEL
- X BITUMINOUS
- X CONCRETE

NONE

IS SIGNING AND STRIPING REQUIRED? Yes

DEPTH FROM SURFACE NA (60" minimum under county roads)

SIZE AND KIND OF PIPE/CABLE NA

NUMBER OF EXCAVATIONS 1

SIZE OF EXCAVATIONS 17 to 53 (Length, width, and depth)

LOCATION OF EXCAVATIONS ALL EXCAVATIONS ARE TO BE PROTECTED AT ALL TIMES AND THEN BACKFILLED WHEN UNATTENDED AND/OR OVERNIGHT Specific written descriptions of excavations - if shown on attached drawing, drawing shall be specific with depth and distance from centerline, curb, or other distinguishable location. Traffic control plans cannot be approved without specific excavation descriptions.

excavate out muck and rebuild the rd.

Per approved plan on file at ACHD.

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY

ACTD reserves the right to make changes to these special conditions.



ANOKA COUNTY TRANSPORTATION DIVISION 1440 BUNKER LAKE BLVD NW ANDOVER, MN 55304 PERMIT PHONE: 763-324-3176 highwaypermits@anokacountymn.gov

GENERAL INFORMATION

One permit must be approved for each county road on which work will be performed prior to any work within the right of way by any utility/contractor. Emergency conditions which threaten the safety of the public and require immediate repair are exceptions to this rule. Under those circumstances, the utility/contractor is permitted to begin and/or complete the necessary repairs. The Anoka County Transportation Division (ACTD) shall be notified of emergency repairs as soon as feasible and a written permit is to be completed within two business days of occurrence.

A license-permit bond is generally required of the contractor as part of the registration process, the amount of which will be determined by the nature of the utility work.

A sketch or drawing shall accompany each permit application which will show the location of the proposed work/utility with reference to the county highway center line and right of way line. A complete set of plans is required for all sewer/water projects.

It shall be the responsibility of the applicant to determine which of the special conditions apply to each permit.

ACTD reserves the right to revoke any utility permit and halt work, if, upon inspection of any job site, the special conditions are not met, and/or a hazard exists for the applicant or public safety is threatened. The failure to comply with the terms and conditions of any applicable Federal, State, Regional, and local laws, rules and regulations, including any provision of Anoka County's Right-of-Way Ordinance shall be cause for immediate revocation of a permit.

The applicant shall notify ACTD immediately upon completion of project so that the ACTD can inspect the site to determine if restoration has been satisfactorily completed.

The undersigned hereby accepts the terms and conditions of this permit and the regulations of Anoka County, and agrees to fully comply therewith to the satisfaction of the ACTD. The county of Anoka, its officials, employees, and agents, shall be held harmless, by the applicant/permittee, from any demands, claims, lawsuits, or damages relating to the work described in this permit.

5/27/2025

DATE

APPLICANT'S SIGNATURE

Craig meyer

AUTHORIZATION OF PERMIT

In consideration of the applicant's agreement to comply in all respects with the regulations of the ACTD covering such operations, permission is hereby granted for the work to be done as described in the above application. Said work to be done in accordance with the general conditions listed above and the special conditions required as hereby stated. It is expressly understood that this permit is conditioned upon replacement or restoration of the county highway and its right of way to their original or to a satisfactory condition. It is further understood that this permit is issued subject to the approval of local city or township authorities having joint supervision over said street or highway.

APPROVED BY:	DocuSigned by:	DATE	5/28/2025
TITLE: Traffic Technician	Susan Burgmeier		5/20/2025

NOT VALID UNLESS SIGNED BY ANOKA COUNTY

ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

PERMIT PHONE: 763-324-3176

highwaypermits@anokacountymn.gov

SPECIAL CONDITIONS

TRAFFIC CONTROL

cally Respo

1) Detours

Anoka Countv

MINNESOTA

- a) Detailed detour layouts shall be submitted to the traffic engineer for approval.
- b) No detours shall be permitted without prior approval of the Anoka county traffic engineer.
- c) A ten day notice must be given prior to the installation of any detour.
- d) It shall be the responsibility of the applicant to notify Anoka county central communications, local government bodies, and any affected bus companies ten days prior to any road closures/detours.
- e) Immediately upon completion of work and/or detours, all posts, barricades, and signs shall be removed from the right of way.

2) Traffic control devices

a) All traffic control devices, barricades, flashers, etc., shall be furnished by the applicant and shall be in accordance with the most recent edition of the Minnesota manual on uniform traffic control devices and temporary traffic control zone layouts – field manual of the same manual.

CONSTRUCTION REQUIREMENTS

- 1) Open cutting of bituminous or concrete surfaced roads will be allowed only at the discretion of the county engineer.
- 2) Neither supplies nor excavation materials shall be placed on the bituminous or concrete surface at any time.
- 3) No trenches will be allowed to remain open overnight.
- 4) Materials removed from the trench shall be used as backfill insofar as they are suitable. All backfill material shall conform to MNDOT specifications for compaction. The use of heavy equipment on top of trench, slapping with backhoe bucket and/or back casting to achieve compaction is prohibited. Any additional material required to back fill to the original grade shall be furnished by the applicant at no expense to the ACTD. All the base and surface courses damaged during construction operations shall be restored to a condition equal to or better than before operations began. The applicant shall be responsible for and restore any settlement.
- 5) All culverts, ditches, shoulders, and backslopes shall be restored to their original condition unless otherwise directed by the ACTD. Shoulders which have been previously constructed or reconstructed with special materials shall be replaced in kind. Restoration of signs, guardrails, guard posts, etc., are the sole responsibility of the applicant and shall be restored to their original condition.
- 6) All roadway maintenance required within the limits of the utility project that is related to the applicant's activities shall be the sole responsibility of the applicant for one year after completion of the project. Upon completion of the restoration work, the applicant shall request a final inspection by the ACTD. The ACTD's approved completion date shall be the starting date of the applicant's one-year responsibility.

HORIZONTAL BORING AND JACKING

- 1) All hard surface roadways shall be jacked or bored.
- 2) All crossings of Anoka County maintained roadbeds, shall be made by boring inside a casing or carrier pipe, or by jacking unless otherwise directed by the Anoka County Engineer. The auger shall lead the casing or carrier pipe by at least six inches whenever possible and never lead the carrier pipe by more than one inch.
- 3) The use of pneumatic devices to facilitate the roadbed crossings will be allowed in most cases with prior approval. In the event approval is not granted and applicant uses a pneumatic device to cross a roadbed and encounters an obstruction and/or unstable subbase material which makes forward or reverse motion of pneumatic device impossible, said pneumatic device then becomes part of the roadway subbase and permission to excavate to retrieve device will not be granted.
- 4) If a pneumatic device is used for the work permitted herein, the installation must be kept to a minimum of four feet below the surface of the roadway if the pneumatic device is less than two inches in diameter, and a minimum of five feet below the surface of the roadway if the pneumatic device is two inches in diameter or larger.

BITUMINOUS RESTORATION

- 1) The locations and dimensions of all openings to be made in the bituminous surface shall be approved by the ACTD prior to any cutting or any surface opening operations.
- 2) All openings in bituminous surfaces shall be cut in a straight line with the sides smooth and vertical. No ragged edges will be permitted. Cutting shall be done with a concrete saw.
- 3) All necessary dust control operations shall be carried out by the applicant at no expense to Anoka County.
- 4) The minimum requirement for subgrade replacement shall be the upper twelve inches of material and shall meet MNDOT specifications for class five placed in six inch layers compacted to one hundred percent of optimum density.
- 5) All manhole casings, gate valves, and other utility structures shall be set one quarter inch below the top of the finished surface.
- 6) Bituminous tack coat materials and application thereof shall conform to MNDOT specification 2357.
- 7) All bituminous surfacing shall be replaced as soon as practicable after the base construction. All bituminous surfacing shall be machine laid. Any exceptions must be approved by the ACTD. Bituminous surfacing shall be replaced to original pavement depth or to a minimum of six inches of bituminous mixture (2360), whichever is greater. Bituminous mixtures must be placed in lifts not exceeding three inches in thickness for base and binder courses and not exceeding two inches for the wear course.
- 8) All surface restoration regardless of size shall conform to existing grades.
- 9) Any unnecessary or negligent damage to bituminous surface in conjunction with the installation and/or repair of a utility shall be cut out and replaced in kind as directed by the ACTD.

Anoka County

Respectful, Innovative, Fiscally Responsible

ANOKA COUNTY TRANSPORTATION DIVISION 1440 BUNKER LAKE BLVD NW ANDOVER, MN 55304

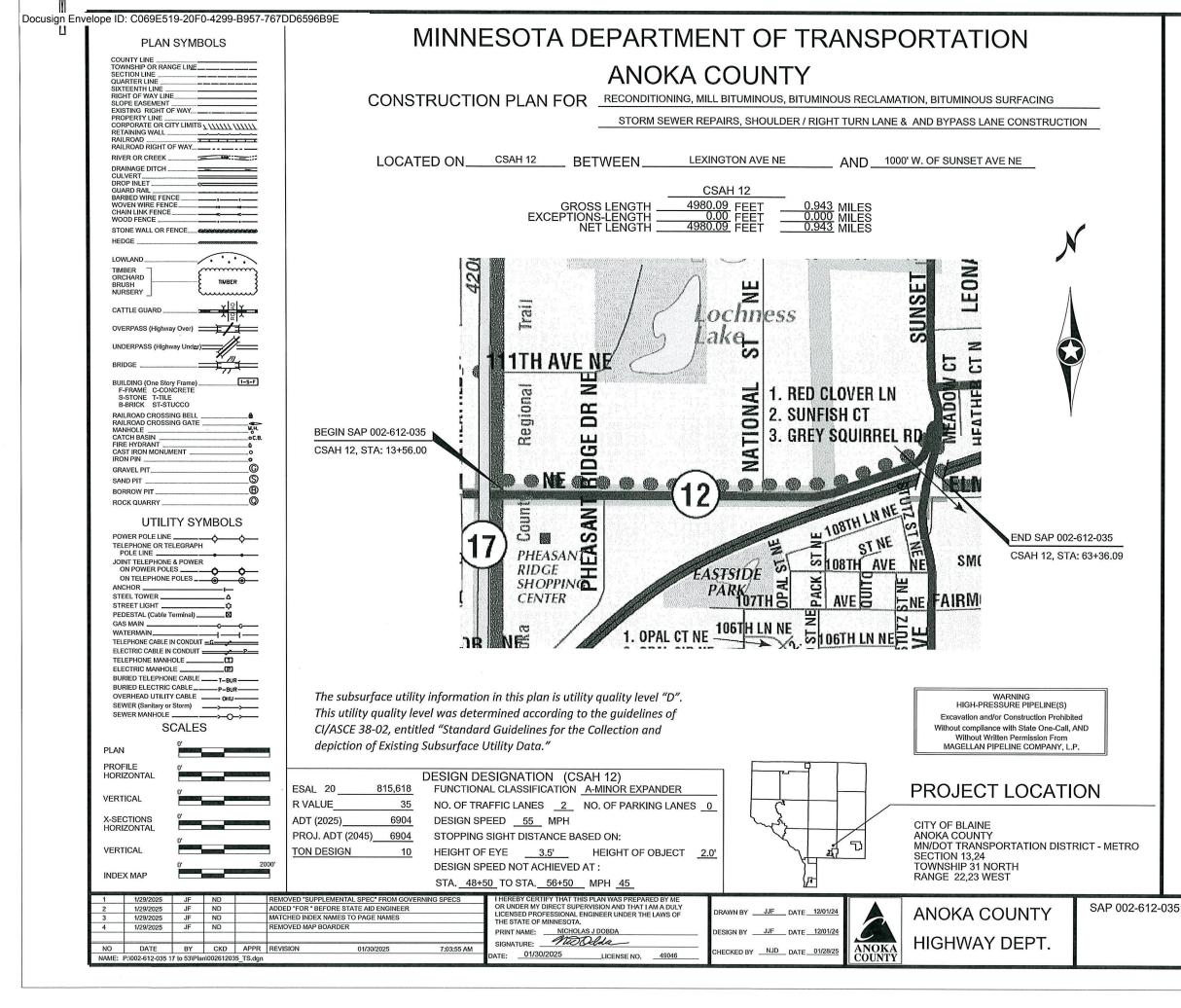
PERMIT PHONE: 763-324-3176

highwaypermits@anokacountymn.gov

CON	NCRETE	RESTORATION							
1)	Curb a	nd gutter, sidewalks, and driveways shall be restored in accordance with MNDOT specification	ons 253:	1 and 2521.					
UTII	UTILITY LINES								
1) 2)									
SEC		DRNER MONUMENTS							
1) 2) 3)	Utility locatio The ap The ap	ocations shall not interfere with the location of any section, quarter, witness, or right of way monume ns, contact the Anoka County Surveyor's Office. plicant shall be responsible for replacement of any existing property irons disturbed during construction oplicant shall notify the Anoka County Surveyor's Office three working days in advance of any antici ction, quarter, witness, or right of way monuments.	on.						
4)		onument disturbed during the course of construction, shall be reset by the Anoka County Surveyor's applicant.	Office at	the expense					
ATT	ACHING	TO BRIDGES/STRUCTURES							
1)	by the	ity is permitted to be hung from, or otherwise attached to, any bridge or structure without having de Anoka County Engineer. These plans are to show approaches to the structure, method of installation sing for the utility.	•	• •					
ADD	ITIONA	L PROVISIONS							
1) 2)	approv a) b) Shall n	contractors, installers, and crew shall possess a physical or electronic copy of all documents in re red permit prior to the commencement of work and be kept on site. This includes, but it not limited t Approved permit Any/all traffic control plans and/or layouts otify Anoka County Permits at 763-324-3176 or highwaypermits@anokacountymn.gov							
	a) b) c) d)	At least 36 hours prior to the commencement of work With time frame of proposed of work Anticipated traffic control When work is complete - including restorations - to request a final inspection							
3)		rk during inclement weather or when plows are out in any capacity							
4)		fic control shall be in accordance with the most current version of the MnDOT Temporary Traffic Cont							
5)		king of right-of way or proposed infrastructure, contact Chris Osterhus at 763-324-3189 a minimum o commencement of work.	t 48 hou	rs prior					
	tothe								
INIT	IAL	<u></u>	Ø						

No additional comments.

4 | Page



GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

INDEX

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2	STATEMENT OF ESTIMATED QUANTITIES
3	STANDARD PLATES, B.O.Q, INDEX & SOILS NOTES
4 - 6	TABULATIONS
7 - 10	EARTHWORK
11 - 16	PEDESTRIAN CURB RAMP DETAILS
17 - 19	PERMANENT EROSION CONTROL
20 - 26	EROSION CONTROL DETAILS
27 - 31	DETAILS
32 - 34	ALIGNMENT
35 - 37	TYPICAL SECTIONS
38 - 40	EXISTING UTILITIES
41 - 43	REMOVALS
44	STORM SURVEY NOTES - FOR REFERENCE
45 - 48	CONSTRUCTION PLAN & PROFILE
49 - 52	FINISH BITUMINOUS GRADES & ELEVATION TRANSITIONS
53	FLOODPLAIN MITIGATION GRADING
54 - 56	EROSION CONTROL & TURF ESTABLISHMENT
57 - 59	STORM WATER POLLUTION PREVENTION PLAN
60	DETOUR PLAN
61 - 62	DETOUR PLAN QUANTITIES
63	PERMANENT PAVEMENT MARKING PLAN NOTES AND TABULATIONS
64 - 66	PERMANENT PAVEMENT MARKING PLAN
67 - 70	SIGNING AND TABULATIONS
71 - 73	SIGNING & STRIPING DETAILS
74 - 79	EXISTING SIGNAL PLANS - FOR REFERENCE
80 - 110	CROSS SECTIONS
ТНІ	S PLAN CONTAINS 110 SHEETS

Joseph MacPherson Approve

Digitally signed by Joseph MacPherson Date: 2025.03.28 13:18:57 -05'00'

ANOKA COUNTY ENGINEER

Approved Name Venunder 3.28 **CITY OF BLAINE ENGINEER** Dan Erickson Digitally signed by Dan Erickson Date: 2025.04.03 13:59:42 -05'00' DISTRICT STATE AID ENGINEER: REVIEWED FOR

COMPLIANCE WITH STATE AID RULES/POLICY

Dan Erickson Digitally signed by Dan Erickson Date: 2025.04.03 14:00:03 -05'00' FOR STATE AID ENGINEER:

APPROVED FOR STATE AID FUNDING

TITLE SHEET

Sheet 1 of 110 Sheets

ТАВ	NOTE	ITEM		EMENT OF ESTIMATED QUANTITIES 002-6		TOTAL PROJECT	
IAB	NOTE					QUANTITIES ESTIMATED	
		2021.501		MOBILIZATION	LUMP SUM	1	
A		2101.505 2101.505		CLEARING GRUBBING	ACRE ACRE	0.185 0.185	
A		2101.505	00030	REMOVE DRAINAGE STRUCTURE	EACH	0.185	
N4				REMOVE DRAINAGE STRUCTURE		-	
M		2104.502 2104.502		REMOVE SIGN TYPIC REMOVE SIGN PANEL TYPE C	EACH EACH	22	
						165	
B,C		2104.503	00195		LIN FT		
B,C E		2104.503 2104.503	00205	SAWING BITUMINOUS PAVEMENT (FULL DEPTH) REMOVE PIPE CULVERTS	LIN FT LIN FT	697 90	
		2104.503	00255	REMOVE CURB AND GUTTER		223	
B,C B,C	10	2104.503	00315	REMOVE BITUMINOUS PAVEMENT	SQ YD	7768	
B,C B,C	10	2104.504		REMOVE CONCRETE WALK	SQ FT SQ FT	120	
C B,C		2104.518	00140	REMOVE CONCRETE MEDIAN	SQ FT SQ FT	160	
A,CC		2104.510	00220	EXCAVATION-COMMON	CUYD	1055	
A,CC	34	2106.507	00080	SELECT GRANULAR EMBANKMENT (CV)		9696	
A,CC	J4	2106.507		COMMON EMBANKMENT (CV)	CUYD	2036	
DD	32	2106.507		EXCAVATION CHANNEL AND POND(EV) (FLOODPLAIN MITIGATION)	CUYD	338	
עט	32	2106.601		DEWATERING	LUMP SUM	1	
A,CC	34	2106.607		EXCAVATION SPECIAL	CU YD	8642	
	34	2106.607		MOTOR GRADER	HOUR	30	
	3	2123.510		DOZER	HOUR	30	
	4	2123.510		WATER	M GALLON	20	
BB	5	2130.523		AGGREGATE BASE (CV) CLASS 5	CU YD	1276	
F	6	2211.507		AGGREGATE BASE (CV) CLASS 5	TON	29	
						9511	
B	7 8	2215.504			SQ YD		
B	ö	2215.507		HAUL FULL DEPTH RECLAMATION (LV) SHOULDER BASE AGGREGATE (CV) CLASS 5	CU YD CU YD	507 133	
BB	0.44	2221.507					
B	9,11	2232.504		MILL BITUMINOUS SURFACE (2.0")	SQ YD	8873	
G		2301.602 2357.506	00071	DRILL AND GROUT REINF BAR (EPOXY COATED)	EACH	17	
F	40			BITUMINOUS MATERIAL FOR TACK COAT	GALLON	1878	
0	12	2360.509		TYPE SP 12.5 BITUMINOUS MIXTURE FOR PATCHING	TON	19	
F		2360.509	23205	TYPE SP 12.5 NON-WEARING COURSE MIXTURE (3;B)	TON	832	
F		2360.509		TYPE SP 12.5 WEARING COURSE MIXTURE (3;C)	TON	5689	
F	13	2360.509	23300	TYPE SP 12.5 WEARING COURSE MIXTURE (3;C)	TON	134	
E		2501.502	23018	18" CS SAFETY APR & GRATE DES 3128	EACH	2	
		2501.502		18" RC SAFETY APRON	EACH	2	
E		2501.503	12018	18" CS PIPE CULVERT	LIN FT	22	
		2501.503	13185	18" RC PIPE CULVERT CLASS V	LIN FT	50	
		2501.602	57018	SAFETY GRATE FOR 18" RC APRON	EACH	2	
С	14,15	2504.602	00033	ADJUST GATE VALVE	EACH	4	
С	16	2506.502	06000	CASTING ASSEMBLY	EACH	18	
С	17	2506.503	02420	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	4	
С	18	2506.602	06040	GROUT CATCH BASIN OR MANHOLE	EACH	21	
E,G,H		2511.509	00012	RANDOM RIPRAP CLASS II	TON	26	
G	20	2521.518	00040	4" CONCRETE WALK	SQ FT	60	
G		2521.618	00400	CONCRETE CURB RAMP WALK	SQ FT	123	
С		2531.503	02061	CONCRETE CURB AND GUTTER DESIGN B412 (MODIFIED)	LIN FT	70	
C,G		2531.503	02120	CONCRETE CURB AND GUTTER DESIGN B424	LIN FT	133	
Ġ		2531.604	00100	CONCRETE DRAINAGE FLUME	SQ YD	14	
G		2531.618	00010	TRUNCATED DOMES	SQ FT	40	
J	19	2550.602	10000	LOOP DETECTOR DESIGN NMC	EACH	4	
		2563.601		TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1	
	1,21,22,23	2563.601		TRAFFIC CONTROL	LUMP SUM	1	
К	24	2563.613		PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	20	
M	31	2564.502		INSTALL SIGN PANEL TYPE C	EACH	3	
M	30	2564.502		INSTALL SIGN TYP C	EACH	23	
М		2564.518		SIGN PANELS TYP C	SQ FT	188	
M		2564.602		DELINEATOR / MARKER	EACH	5	
		2573.501		EROSION CONTROL SUPERVISOR	LUMP SUM	1	
С	25	2573.502		STORM DRAIN INLET PROTECTION	EACH	38	
Ē		2573.502		CULVERT END CONTROLS	EACH	2	
H		2573.503		SILT FENCE, TYPE MS		6084	
Н	2, 26	2574.507		COMMON TOPSOIL BORROW	CUYD	905	
H	_, _9	2574.508		FERTILIZER TYPE 3	POUND	594	
Н		2575.504		ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	9624	
H		2575.505		SEEDING	ACRE	1.988	
H		2575.505		SEED MIXTURE 25-121	POUND	103.6	
H				SEED MIXTURE 23-121 SEED MIXTURE 33-261	POUND	103.6	
	27	2575.508			POUND	7753	
H	21	2575.508		HYDRAULIC REINFORCED FIBER MATRIX			
Н	00.05	2575.523		RAPID STABILIZATION METHOD 3	M GALLON	11.9	
	28, 35	2581.503	00004	4" REMOVABLE PREFORMED PAVEMENT MARKING TAPE	LIN FT	2428	
L	29, 35	2582.503		4" SOLID LINE MULTI-COMP	LIN FT	18521	
L	29, 35	2582.503		4" BROKEN LINE MULTI-COMP	LIN FT	700	
L	29, 35	2582.503		8" DOTTED LINE MULTI-COMP	LIN FT	36	
L	29, 35	2582.503		4" DBLE SOLID LINE MULTI-COMP	LIN FT	4114	
L	35	2582.503		24" SOLID LINE PREF THERMO GR IN	LIN FT	103	
L	35	2582.518		PAVT MSSG PREF THERMO (ARROWS)	SQ FT	207.36	
L	35	2582.518	08000	CROSSWALK PREF THERMO	SQ FT	523	

	CONST
	THE CONTRACTOR SHALL AFTER THE AWARD OF CONTRACT
	COMPLETE "TEMPORARY TRAFFIC CONTROL PLAN" (CONST
	PRODUCED AND SIGNED BY A "LICENSED PROFESSIONAL E
1	REVIEW AND APPROVE BEFORE ANY WORK SHALL TAKE PL
	PLAN, QUANTITIES FOR THE DETOUR SHALL BE INCLUDED AN
	INSTALLED PRIOR TO JUNE 16TH AND MUST BE OPEN TO TRA
	WEEKS FROM WHEN IT IS INSTALLED. CONTRACTOR RESPO
	EMERGENCY RESPONSE FIRE AND POLICE AND POSTAL SEI
2	EXISTING TOPSOIL AND EXCAVATED MATERIALS MUST NOT B
2	CONSTRUCTION LIMITS DUE TO WETLAND IMPACTS AND THR
3	ITEM USED TO MOVE EXCESS RECLAIM MATERIAL AT THE RE
5	PROPOSED AND EXISTING PAVEMENT AND FOR SUPERELEV
4	TO BE USED FOR DITCH GRADING AND FOR DRESSING DISTU
5	WATER TO BE USED FOR DUST CONTROL AS DIRECTED BY T
6	ITEM TO BE USED AS BASE FOR CATCH BASIN REPAIRS AND
7	THIS WORK INCLUDES SPREADING, WATERING, COMPACTING
1	SPECIFIC PROFILE AND CROSS SECTION.
0	ITEM USED TO HAUL EXCESS RECLAIM FROM TIE-IN POINTS A
8	PLACEMENT, SHAPING, COMPACTION, AND MAINTENANCE O
0	ITEM INCLUDES 2" DEEP MILL WEST END OF PROJECT STA 1
9	DETAILS FOR DIMENSIONS.
	BITUMINOUS REMOVAL AREA FROM STA 25+25 TO 32+90 WIL
10	REMOVED FULL DEPTH FOR PLACEMENT OF NEW BITUMINO
	PROJECT AND MUST MEET SPECIFICATIONS FOR AGGREGAT
11	DETAIL MILLING AROUND MANHOLES, CATCH BASINS, GATE
12	ITEM INCLUDES BITUMINOUS PATCHING AROUND NEW CURB
13	NATIONAL ST & PHEASANT ST APPRACHES SHALL BE PAVED
14	GATE VALVES TO BE ADJUSTED ONLY AS NECESSARY AS D
	EACH ADJUST GATE VALVE INCLUDES TEMPORARY ADJUST
15	CONJUNCTION WITH RECLAIMING OPERATION, AND FINAL AD
	ITEM INCLUDES FULL REPLACEMENT OF CASTING ADJUSTME
16	ROADWAY SHALL BE INSTALLED BETWEEN BASE AND WEAT
	PAY HEIGHT IS MEASURED FROM INVERT OF OUTLET PIPE TO
17	FOR THE DEPTH OF THE CONCRETE BASE, REGARDLESS OF
.,	CONNECTIONS TO EXISTING STORM SEWER ARE INCIDENTAL
	ITEM INCLUDES GROUTING OF INVERTS, DOGHOUSES, RINGS
18	, , ,
	DRAINAGE TAB.
19	LOOP REPLACEMENT REQUIRED ONLY IF DAMAGED DURING
	INCLUDED AT THE END OF THIS PLAN FOR EXISTING LOOP LC
20	ITEM ALSO USED FOR CONCRETE MEDIAN.
21	CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN TEMP
	SIGNAGE SHALL BE INCIDENTAL TO TRAFFIC CONTROL.
~	ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO, AND E
22	"MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVIC
	RED SIGNS SHALL BE INPLACE WHENEVER PERMANENT PA
23	DO NOT PASS, PASS WITH CARE AND NO CENTER STRIPE SI
24	2 MESSAGE BOARDS, ONE ON THE EACH END OF PROJECT,
24	DETUR PLAN FOR DETAILS.
25	ALL DRAINAGE STRUCTURES AFFECTED BY THIS PROJECT M
26	ITEM USED FOR INSLOPE SHAPING FROM GRAVEL SHOULDE
27	TYPE 3 FERTILIZER AND TYPE 25-121 SEED ARE INCIDENTAL
	CENTERLINE AND LANE DESIGNATION SKIPS TO BE APPLIED
28	PAVEMENT; SKIPS MUST BE INPLACE BEFORE THE CONTRA
	STRIPING.
0.0	FINAL STRIPING SHALL BE INSTALLED WITHIN 72 HOURS OF C
29	SOONER THAN 48 HOURS.
	ALL EXISTING MEDIAN SIGNS SHALL HAVE THE MEDIAN BASE
30	CONTRACTOR TO NOTE PAYMENT FOR THESE KLEEN BREAK
	SIGN TYPE C ". DETAIL FOR KLEEN BREAK MOUNTS CAN BE
	ALL EXISTING "RIGHT TURN LANE" & "LEFT TURN LANE" SIGNS
31	TURN LEFT' SIGNS.
	EXCAVATION COMMON "FLOOD PLANE" USED TO CREATE FL
32	QUANTITIES. SEE TAB DD. EXCESS MATERIAL EXCAVATED C
	ENGINEER. EXCESS QUANTITIES FOLLOWING THAT SHALL BE
	ENGINEER.
	DEWATERING IS EXPECTED TO BE NEEDED TO ACHIEVE COM
33	BYPASS LANE. SEE GEOTECH REPORT IN THE SPECIAL PRO
	SWPPP.
	EXCAVATION SPECIAL SHALL BE THE EXCAVATED AREA BEL
34	WIDENING AREAS OF WET OR UNSUITABLE MATERIALS - SEE
	COMPACTED SELECT GRANULAR BORROW.
_	ALL PAVEMENT MARKINGS WILL BE TESTED POST INSTALLA
35	RETROREFLECTIVITY PER MNDOT SPEC. 2582.3C.3, CONTRAC
	REQUEST AT NO COST TO ANOKA COUNTY.

1	4/01/25	JF	ND		UPDATED EARTHWORK ITEM NUMBERS AND TAB LETTERS	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME				
						OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY	DRAWN BY JJF DATE 12/01/24			SAP 002-612
						LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	DRAWIN BY DATE		ANOKA COUNTY	
						THE STATE OF MINNESOTA.				
						PRINT NAME: NICHOLAS J DOBDA	DESIGN BY JJF DATE 12/01/24			
						SIGNATURE: MOOCIda			HIGHWAY DEPT.	
NO	DATE	BY	CKD	APPR	REVISION		CHECKED BY NJD DATE 01/28/25	ANOKA		
NAME	P \002 612 035 1	7 to 53\Pla	n\00261203	35 SEQ TA	ABS.dgn 04/03/2025 10:40:47 AM	DATE:04/03/2025 LICENSE NO49046		COUNTY		
					-			<u>`</u>	,	

RUCTION NOTES	
	ENT MARKINGS AND RELATED ITEMS) TS AND QUANTITIES FOR THE COUNTY TO JANTITES HAVE BEEN INCLUDED WITH THIS FFIC CONTOL. THE DETOUR MAY NOT BE NOT BE INPLACE FOR MORE THEN 8 XITY OF BLAINE, CITY OF BLAINE
BE PUSH OUT BEYOND CONSTRUCTION I	
REATENED AND ENDANGERD BOTANICAL RECLAIM AREA LIMITS TO CREATE A SMO	
VATION / GRADE CORRECTION.	
IURBED AREAS. THE ENGINEER.	
ID NATIONAL STREET GRAVEL BASE STRI	
NG, SHAPING, AND MAINTAINING THE BLE	NDED RECLAIMED MATERIAL TO THE
AND REUSED ON SITE. USED FOR PROF OF MATERIAL.	ILE CORRECTION AREAS. ITEM INCLUDES
13+56 TO 24+25, PAVED ST APPROACHE	S AND END OF PROJECT STA 63+36; SEE
ILL REQUIRE THE MILLED AND OR RECLAI OUS. THIS REMOVED MATERIAL IS TO BE ATE BASE SPEC 2211.	
E VALVES, AND ALONG CURB LINE IS INC	
B, STORM STRUCTURE REPAIRS, AND AN ED AFTER MAINLINE, AND BEFORE FINAL	
DETERMINED BY THE ENGINEER.	
TMENT BELOW RECLAIM / AGGREGATE B DJUSTMENT TO FINISH GRADE BETWEEN	
IENT RINGS. SEE STORM TABULATIONS F AR LIFT PAVING	
TO TOP OF PRECAST CONCRETE STRUCT OF ITS ACTUAL THICKNESS. CONCRETE A AL.	TURE PLUS AN ALLOWANCE OF 0.70 FEET DJUSTMENT RINGS ARE INCIDENTAL.
GS, STRUCTURES AND CASTINGS AS DIRE	ECTED BY PLAN AND ENGINEER. SEE
G CONSTRUCTION OPERATIONS BUT NOT OCATIONS.	EXPECTED. EXISTING SIGNAL PLANS ARE
IPORARY SIGNAGE WHENEVER EXISTING	SIGNAGE IS REMOVED. TEMPORARY
9 BE INSTALLED IN ACCORDANCE WITH, TH 1/ICES". "DO NOT PASS, PASS WITH CARE, AVEMENT MARKINGS ARE NOT PRESENT	, NO CENTER STRIPE, AND STOP HERE ON
SIGNS MUST BE INPLACE DURING MILLING T, SHALL BE INSTALLED 10 DAYS PRIOR T	
MUST HAVE INLET PROTECTION. DER TO DITCH BOTTOM AS DIRECTED BY 1	
L TO THIS ITEM. SEE "BASIS OF PLANNED	
D AS SOON AS POSSIBLE ON MILLED SU ACTOR LEAVES FOR THE DAY. CONTRA	
COMPLETION OF MAINLINE WEAR COUR	SE PAVING. CANNOT BE INSTALLED
SE REPLACED WITH "KLEEN BREAK" CON	ICRETE MEDIAN BASE MOUNTS.
	INCIDENTALL TO ITEM 2564.502 "INSTALL
NS SHALL BE REPLACED WITH "RIGHT LAI	NE MUST TURN RIGHT" & "LEFT LANE MUST
	ERTY SEPARATE FROM ROADWAY ONSTRUCTION AT THE DISCRETION OF THE EXCAVATION, AND DETERMINED BY THE
	XCAVATED TO ADD SHOULDERS , RTL AND E TO OBTAIN DEWATERING PERMIT, SEE
LOW THE COMMON EXCAVATION IN THE E	SHOULDER/ RTL & BYPASS LANE RT. THIS AREA SHALL BE REPLACED WITH
ATION BY ANOKA COUNTY. ANY PAVEME ACTOR IS RESPONSIBLE FOR REPLACING	
	1 OF 1
12-035	STATEMENT
	OF ESTIMATED QUANTIT

Sheet <u>2</u> of <u>110</u> Sheets

1/29/25 4/01/25

 NO
 DATE
 BY
 CKD
 APPR

 NAME:
 P:\002-612-035 17 to 53\Plan\002612035_SEQ_TABS.dgn

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT					
	MNDOT STANDARD PLATES				
PLATE NO.	DESCRIPTION				
3007F	SHEAR REINFORCEMENT FOR PRECAST DRAINAGE STRUCTURES				
4011E	PRECAST CONCRETE BASE				
4020J	MANHOLE OR CATCH BASIN (FOR USE WITH OR WITHOUT TRAFFIC LOADS) (2 SHEETS)				
4024A	48" DIA. PRECAST SHALLOW DEPTH CATCH BASIN - DESIGN SD				
4026B	CONCRETE ENCASED CONCRETE ADJUSTING RINGS				
4108F	ADJUSTING RINGS FOR CATCH BASINS AND MANHOLES				
4110F	COVER CASTING FOR MANHOLE (FOR USE IN ALL TRAFFIC AREAS) – CASTING NO. 715 AND 716				
4134A	CURB BOX CASTING FOR CATCH BASIN (FOR DESIGN B CURBS)- CASTING NO. 825				
7100H	CONCRETE CURB AND GUTTER (DESIGN B AND DESIGN V)				
7111J	INSTALLATION OF CATCH BASIN CASTINGS (CONCRETE CURB AND GUTTER)				
8000K	TEMPORARY CHANNELIZERS (3 SHEETS)				

BASIS OF PLANNED QUANTITIES						
2357	BITUMINOUS MATERIAL FOR TACK COAT	0.05 GAL / SQ YD				
2360	ALL BITUMINOUS PAVEMENT	115 LBS / SQ YD / IN				
2581	REMOVABLE PREFORM PAVEMENT MARKING TAPE	2' AT 50' INTERVALS				
2574	FERTILIZER TYPE 3	350 LBS./ ACRE				
2575	SEED MIXTURE 25-121	61 LBS./ ACRE				
2575	SEED MIXTURE 33-261	35 LBS./ ACRE				
2575	HYDRAULIC REINFORCED FIBER MATRIX	3900 LBS./ ACRE				
2575	RAPID STABILIZATION METHOD 3	6 MGAL / ACRE				
2580	INTERIM PAVEMENT MARKINGS	PROJECT LENGTH X LANES X LIFTS / 50 X 3'				

1		SOILS N	IOTES			
	TOP OF THE GRADING SUBGRADE (GRADING GRADE) IS DEFINED AS THE BOTTOL LAYER.	M OF THE CLASS 5 AGGREGATE BASE 1	THE BOTTOM O		RTICALLY TO THE BOTTOM OF THE INPLACE SURFACING IS DEEPER, THEN AT A 1:4 TAPER TO THE BOTTOM OF T	
2	BOTTOM OF THE SUBBASE GRADE SHALL BE DEFINED AS THE BOTTOM OF THE (SEE CROSS-SECTIONS FOR DETAILS).			· · · · · · · · · · · · · · · · · · ·	JT VERTICALLY TO THE BOTTOM OF THE CLASS 5 AGGF	REGATI
3	CONSTRUCT EMBANKMENTS IN ACCORDANCE WITH SPECIFICATION 2106 AND TH EMBANKMENT CORE-WIDENING MATERIAL SHALL BE SELECT GRADING MATERIA ACCORDANCE WITH OTHER REQUIREMENTS PROVIDED IN SPEC, 2106.			I THE TYPICAL SECTIONS AND THE CROSS	THE RECOMMENDED SUBGRADE EXCAVATION SECTIONS). BACKFILL PROMPTLY TO AVOID UNDERMI	NING
	SELECT GRANULAR MATERIAL SHALL MEET THE REQUIREMENTS OF MnDOT SPE	C. 3149.2B2.	PAVEMENT TO		HERE PLACING NEW PAVEMENT ADJACENT TO INPLAC OR THIS WORK IS SPECIFICALLY CALLED OUT, THEN THE ATION.	
5	ALL TOPSOIL STRIPPING WILL BE CONSIDERED TO BE A PART OF EXCAVATION -					
	TOPSOIL SHALL BE DEFINED AS EXISTING SOILS WHICH MEET MnDOT SPEC. 387' STRIP ALL TOPSOIL AND INPLACE SLOPE DRESSING WHERE PRESENT IN AREAS AND REUSE AS SLOPE DRESSING. FOR ESTIMATING PURPOSES, THE DEPTH OF	TO BE DISTURBED BY CONSTRUCTION		HALL PROVIDE A UNIFORM BITUMINOUS T/ BITUMINOUS MIXTURES ON EXISTING PAVE!	ACK COAT BETWEEN ALL BITUMINOUS LAYERS AND PR MENT IN ACCORDANCE WITH SPEC. 2357.	RIOR T
	TO BE 4 INCHES. CONTRACTOR SHALL VERIFY PRIOR TO PLACING BID.	1	THE PROPOSED	O GRADING GRADE OF ALL PERMANENT R		
6	SUITABLE GRADING MATERIAL SHALL BE USED TO BACK FILL THE EMBANKMENT TO THE BOTTOM OF THE GRADING SUBGRADE.	,			E PROVIDED IN DETAIL ON THE BITUMINOUS SUMMARY	
					PRESENT THE POINT OF INTERSECTION BETWEEN THE	
7.	SLOPE DRESSING ON THE PROJECT IS DEFINED AS THE TOPSOIL OR OTHER SOI CONSTRUCTION TO PROVIDE A MEDIUM FOR ESTABLISHING TURF.	L PLACED DURING PREVIOUS		OR CUT SLOPE AND THE EXISTING GROUN I LIMITS DO NOT INCLUDE AREAS REQUIRE	ID LINE AS DEPICTED ON THE CROSS SECTIONS. THE D FOR SLOPE ROUNDING.	
8	UNSUITABLE SOILS ARE DEFINED AS SOILS WHICH DO NOT MEET OR ARE NOT MA	NUFACTURED TO MEET ANY OF THE 1	9. DITCH BOTTOMS	S. TOE OF FILL, CUT RUNOUTS AND THE TO	P EDGE OF BACKSLOPES SHALL BE ROUNDED	
	ABOVE DEFINED CATEGORIES, AND ARE THEREFORE NOT REUSABLE AS STRUC WITHIN THE ROADWAY CORE.	TURAL BACKFILL OR EMBANKMENT	REGARDLESS	OF THE SECTION USED ON THE CROSS SE	CTION SHEETS.	
0	SUITABLE GRADING MATERIAL OBTAINED FROM COMMON EXCAVATION NOT MEET			HICH MAY BE ENCOUNTERED DURING GRA F OF WAY IN A SUITABLE DISPOSAL AREA	DING SHALL BE DISPOSED OF BY THE CONTRACTOR O	FF T
5.	SPEC. 3149.2B1 SHALL BE USED OUTSIDE THE ROADWAY CORE ON THE PROJECT		TROJECTRIOT		AGAIT NOVED DT THE ENGINEER.	
			1. UNSUITABLE SC	DILS NOT USED ON THE PROJECT SHALL BE	ECOME THE PROPERTY OF THE CONTRACTOR AND SHA	ALL E
1	 UNSUITABLE MATERIALS ARE TOPSOIL, PAVEMENT OR CONCRETE DEBRIS, PEA UNSTABLE SOILS. 	,		M THE PROJECT AND DISPOSED OF IN ACC		
1	. UNLESS OTHERWISE SPECIFICALLY ALLOWED OR REQUIRED BY THE CONTRACT				TYPICALS FOR INFORMATION ONLY, NO WARRANTY TOR MAY VERIFY PAVEMENT DEPTH PRIOR TO PLACIN	IG BI
	DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRA					
	THE EXTENT ALLOWED IN BASE AND SURFACING ITEMS OR DISPOSED OF OUTSI WITH SPEC. 2104.3C3.	DE THE RIGHT OF WAT IN ACCORDANCE 2			RDANCE WITH MnDOT "MODIFIED PENETRATION INDEX BE IN ACCORDANCE WITH MnDOT "SPECIFIED DENSITY	
1:	WHERE CONNECTING TO THE INPLACE ROADWAYS AT THE TERMINI OF PROPOSI	,			NINOUS LIFTS SHALL BE BY THE "SPECIFIED DENSITY M	1ETH
	VERTICALLY TO THE BOTTOM OF THE INPLACE SURFACING OR TO THE BOTTOM (WHICHEVER IS DEEPER, THEN AT A 1:20 TAPER TO THE BOTTOM OF THE RECOM	IMENDED SUBGRADE EXCAVATION.				
		2	5. NO OVER-EXCA	VATION WILL BE ALLOWED INSIDE THE CO	UNTY'S RIGHT OF WAY OR POND LOCATIONS FOR THIS	rK(

INDEX OF TABULATION CHARTS				
AB.	DESCRIPTION	SHEET NO.		
٩A	EARTHWORK SUMMARY	9		
3B	AGGREGATE SUMMARY	9		
CC	EARTHWORK TABULATION	10		
DD	EARTHWORK FLOODPLAIN	10		
A B	CLEARING & GRUBBING	4		
	REMOVALS, SAWING AND MILLING	4		
С	STORM SEWER	5		
D	CASTINGS	6		
Ē	CULVERTS	6		
F	AGGREGATE AND BITUMINOUS SUMMARY	6		
G	CONCRETE	6		
Н	EROSION CONTROL & TURF ESTABLISHMENT	6		
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K	DETOUR PLAN QUANTITIES	60 - 62		
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5	STANDARD PLATES, BASIS OF QUANTITIES, INDEX & SOILS NOTES
	Sheet <u>3</u> of <u>110</u> Sheets

 \wedge

			CLEARING	6 & GRUB	BING			Α
NOTE	STATION		STATION		OFFSET	r	CLEARING	GRUBBING
						Γ	ACRE	ACRE
	40+80	-	43+00	250 RT	-	100 RT	0.185	0.185
						TOTAL	0.185	0.185

TREES IN FLOODPLAIN MITIGATION AREA WERE CLEARED DURING THE WINTER PRIOR TO CONTRACT. THESE TREES SHALL BE GRUBBED AND REMOVED ALONG WITH THE TREES THAT HAD BEEN CUT DOWN IN THE WINTER AND GRADED TO FLOODPLAIN MITIGATION ELEVATION

						REMOV	ALS					В
					MILLING	REC	LAIM	SAV	VING		REMOVE	
ALI	LOCATION	STATION	то	STATION	2" MILL	FULL DEPTH RECLAIMATION	HAUL FULL DEPTH RECLAIMATION	CONCRETE FULL DEPTH	BITUMINOUS FULL DEPTH	CONCRETE CURB & GUTTER	CONCRETE WALK	BITUMINOUS
					SQ YD	SQ YD	CU YD	LIN FT	LIN FT	LIN FT	SQ FT	SQ YD
ALIRD5	MAINLINE EB	13+56		24+25	3815							
	MAINLINE WB	13+78		24+25	5036							
	MAINLINE EB	24+25							47			
	MAINLINE WB	24+25							30			
	MAINLINE	24+25		32+90								7231
	PHEASENT S.	26+13		27+96					72			322
	PHEASENT N.	26+45		27+78					96			153
	S.W. PED RAMP	26+57						12	27	23	60	5
	MAINLINE	32+90		63+37		9511	600					
	NATIONAL ST	45+00		45+73	11				24			
	END PROJECT	63+36			11				41			
				TOTAL	8873	9511	600	12	337	23	60	7711

							I HEREBY CERTIFY THAT THIS PLAN 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 BYJJF DATE2/01/24		ANOKA COUNTY	SAP 002-612
				-			PRINT NAME: NICHOLAS J DOBDA	DESIGN BYJJF DATE12/01/24			
NO	DATE	BY	СКД	APPR	REVISION		SIGNATURE: MOOCIdu	CHECKED BYNJDDATE01/28/25	ANOKA	HIGHWAY DEPT.	
NAME:	P:\002-612-035 1	17 to 53\Pla	an\0026120	35 SEQ T/	ABS.dgn 01/30/2025	7:04:00 AM	DATE: 01/30/2025 LICENSE NO. 49046		COUNTY		



1 OF 3

TABULATIONS

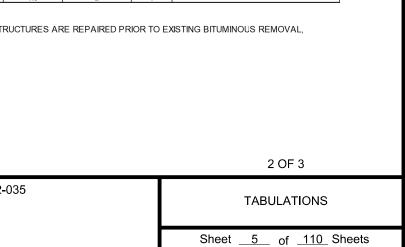
Sheet <u>4</u> of <u>110</u> Sheets

											STOR	I SEW	ER										С
NO. STA	A. 0/	/S 1	TYPE	ACTION	NEW CASTING TYPE	RING HEIGHT (INCIDENTAL)	CASTING ASSEMBLY		CONCRETE FULL DEPTH	FULL DEPTH		CURB & GUTTER		MEDIAN	PAVEMENT	CONCRETE CURB & GUTTER DESIGN B412 (MOD)	CURB & GUTTER DESIGN B424	TYPE SP 12.5 BITUMINOUS MIXTURE FOR PATCHING	GROUT CATCH BASIN OR MANHOLE	DESIGN 48"	CONNECT TO EXISTING STORM SEWER (INCIDENTAL)	VALVE	NOTES
	_	_				LIN FT	EACH	EACH	LIN FT		EACH	LIN FT	SQ FT	SQ FT	SQ YD	LIN FT	LIN FT	TON	EACH	LIN FT	EACH	EACH	
100 15+8	_		CB	GROUT	•	0.0	1	1	4.4	14		10		20	2	40		1	1				
101 16+3 102 16+3	_		CB CB	RE-RING RE-RING	A	0.6	1	1	14 14	14		10 10		20 20	3	10 10		1					GROUT DOGHOUSE
102 10+3	_		CB	RE-RING	C	0.9	1	1	5	14		10		20	3	10	10	1					
104 17+4	_		CB	RE-RING	C C	0.3	1	1	5	14		10			3		10	1					
105 17+3	_		CB	RE-RING	A	0.2	1	1	14	14		10		20	3	10	10	1					GROUT DOGHOUSE
106 17+3	_		CB	GROUT		0.0		1										· · ·	1				GROUT DOGHOUSE
107 17+4	_		CB	RE-RING	с	0.6	1	1	5	14		10			3		10	1	-				
108 17+8	_		CB	RE-RING	A	0.4	1	1	14	14		10		20	3	10		1					
109 17+8	37 -1	1	СВ	GROUT				1											1				
110 18+5	i4 -6	61	CB	GROUT				1											1				
111 18+7	1 30	0	CB	RECON.	С	0.5	1	1	5	14	1	10			3		10	1		4.0	2		24" WEST 4.4 INV., 24" EAST 4.4' INV.
112 20+3	8 -6	61	CB	RE-RING	С	0.9	1	1	5	14		10			3		10	1					
113 20+3	_		СВ	GROUT				1											1				
114 20+3			CB	RE-RING	A	0.4	1	1	14	14		10		20	3	10		1					
115 20+3	_		CB	RE-RING	С	0.4	1	1	5	14		10			3		10	1					
116 22+3			CB	GROUT		0.7		1				40				10			1				
117 22+3	_		CB	RE-RING	A	0.7	1	1	14	14		10		20	3	10		1					
118 22+3 119 22+3	_		CB CB	GROUT GROUT				1											1				GROUT DOGHOUSE
120 24+3	_		CB	GROUT				1											1				GROUT DOGHOUSE
120 24+3	_		CB	GROUT				1											1				
122 24+3	_		CB	GROUT				1											1				GROUT DOGHOUSE
123 24+3	_		CB	GROUT				1											1				
124 26+1	3 37		СВ	RE-RING	С	0.2	1	1	5	14		10	60		3		10	1					
125 26+6	6 -10	01	СВ	GROUT				1											1				
126 27+4	3 -10	04	CB	GROUT				1											1				
127 28+1	1 -5	57	CB	RE-RING	С	0.8	1	1	5	30		30			6		10	2					
128 29+7	'1 -5	56	СВ	RE-RING	С	0.6	1	1	5	14		10			3		10	1					
129 29+7	_		CB	RE-RING	A	1.0	1	1	14	14		10		20	3	10		1					
130 29+7			CB	GROUT				1											1				
131 29+7		_	CB	RE-RING	С	0.6	1	1	5	14		10			3		10	1					
132 31+8	_		CB	GROUT				1											1				GROUT DOGHOUSE
133 31+8 134 31+8	_		CB CB	GROUT GROUT				1											1				
134 31+8	_		CB	RE-RING	С	0.8	1	1	5	14		10		20	3		10	1					CLEAN
136 32+5	_		CB	GROUT		0.0		1	5	14		10		20	5			+ '	1				GROUT DOGHOUSE / CLEAN
137 32+5			CB	GROUT	+			1			L		-						1				GROUT DOGHOUSE / CLEAN
																							GROUT DOGHOUSE
200 17+8				GROUT															1				GKUUT DUGHUUSE
500 26+5 501 27+0	8 46	6	GV	ADJUST ADJUST																		1	
502 26+9	9 52	2	GV	ADJUST																		1	
503 27+8				ADJUST																		1	ADJUST GAS VALVE SEE NOTE (1)
					TOTAL	11.0	18	38	153	268	1	200	60	160	57	70	110	19	21	4.0	2	4	
					TOTAL	11.0	19	50	122	208	1	200	00	100	57	70	1 110	19	21	4.0	۷	4	1

NOTE: CATCH BASIN REPAIRS WITHIN THE BITUMINOUS REMOVAL AREA STA 24+25 - STA 32+90 ARE SHOWN AND QUANTIFIED WITH SAWCUTS / BITUMINOUS PATCHING ETC. THESE STRUCTURES MUST BE REPAIRED PRIOR TO FINAL PAVING. IF THE STRUCTURES ARE REPAIRED PRIOR TO EXISTING BITUMINOUS REMOVAL, FOLLOW DETAIL SHEET PAGE 29. *NOTE: IF THE BITUMINOUS IS REMOVED PRIOR TO REPAIRED PRIOR TO REPAIRED SHOWN ON THE DETAIL SHEET PAGE 29 THERE WILL BE NO PAYMENT FOR THESE ITEMS AT THESE LOCATIONS.

(1) CONTRACTOR TO CONTACT GAS COMPANY TO ARRANGE GAS COMPANY TO ADJUST VALVE OR GET APPROVAL TO ADJUST FROM GAS COMPANY PRIOR TO ANY MODIFICATION.

							I HEREBY CERTIFY THAT THIS PLAN 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 BY JJF DATE 12/01/24		ANOKA COUNTY	SAP 002-612-
								DESIGN BY JJF DATE <u>12/01/24</u>		HIGHWAY DEPT.	
NO	DATE	BY	CKD	APPR	REVISION			CHECKED BY NJD DATE 01/28/25	ANOKA		
NAME:	P:\002-612-035 1	7 to 53\Plar	n\00261203	35_SEQ_TABS.dgn	01/30/2025	7:04:01 AM	DATE:		COUNTY		



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	CA	ASTING ASSEM	BLIES SUMMA	ARY		D
ASSEMBLY	RING OR FRAME CASTING	COVER OR GRATE CASTING	CURB BOX	DESCRIPTION	NOTES	QUANTITY
А	NEENAH R-3030	L	YES	NEENAH R-3030-L		7
С	NEENAH R-3250-DVSP	V	YES	NEENAH R-3250-DVSP		11
		ALL CASTING HE	GHTS ARE TO BE VER	RIFIED IN THE FIELD		
	Α	LL MANHOLE COVERS	SHOULD BE LABELED	AS STORM OR SANITARY		
	NEW MANH	IOLE CASTINGS TO BE I	INSTALLED FLUSH WI	TH THE MILLED ASPHALT SU	JRFACE.	

ALL MANHOLES TO BE WRAPPED WITH INFI-SHIELD. THIS WORK IS INCIDENTAL TO THE CASTING ASSEMBLEY. ADJUSTING RINGS TO BE INSTALLED AND GLUED DURING THE PAVING OPERATION. ADJUSTING RINGS TO BE RECESSED 1/4" FROM TOP OF FINISHED MAT

								CUI	VERTS							Е
									REMOVE				INSTALL			
ALI	LOCATION	STA	OFFSET	INV	то	STA	OFFSET	INV	PIPE CULVERTS	18" RC SAFETY APRON	18" RC PIPE CULVERT CLASS V	18" SAFETY GRATE FOR RC APRON	18" CS SAFETY APR & GRATE DES 3128	18" CS PIPE CULVERT	CULVERT END CONTROLS	RANDOM RIPRAP CLASS II
									LIN FT	EACH	LIN FT	EACH	EACH	LIN FT	EACH	TON
ALIRD5	NATIONAL ST	44+95	-42	898.50		45+72	-46	899.00	60	2	50	2			1	7
	FIELD ENT	51+30	-33	901.85		51+60	-33	902.05	30				2	22	1	7
								TOTAL	90	2	50	2	2	22	2	14

						CONCRETE					G
ALI	LOCATION	STA	то	STA	OFFSET	CONCRETE CURB & GUTTER DESIGN B424	4" CONCRETE WALK	CONCRETE CURB RAMP WALK	TRUNCATED DOMES	DRILL AND GROUT REINF BAR (EPOXY COATED)	CONCRETE DRAINAGE FLUME
						LIN FT	SQ FT	SQ FT	SQ FT	EACH	SQ YD
ALIRD5	S.W. QUAD PHEASANT	26+08		26+18	RT		60				
	S.W. QUAD PHEASANT	26+42		26+52	RT	23		123	40	17	
	FLUME LWB SHOULDER	63+10		63+37	LT						7
	FLUME LEB SHOULDER	63+10		63+37	RT						7
					TOTAL	23	60	123	40	17	14

	E	BITUM	INC	dus a	ND AGO	GREGATE	SUMMAR	Y		F
ALI	LOCATION	STA	то	STA	BASE CLASS 5	4" PREFORMED REMOVABLE TAPE	BITUMINOUS MATERIAL FOR TACK COAT	TYPE SP 12.5 NON-WEAR (3,B)	TYPE SP 12.5 WEAR (3,C)	TYPE SP 12.5 WEAR ST APPROACH (3,C)
					TON	LIN FT	GALLON	TON	TON	TON
ALIRD5	MAINLINE EB	13+55		24+24		321	191		439	
	MAINLINE WB	13+78		24+24		321	252		579	
	MAINLINE	24+24		32+90		689	723	832	1663	
	PHEASANT S.	26+13		27+96	7		32			74
	PHEASANT N.	26+45		27+78	7		15			35
	MAINLINE	32+90		63+37		1097	654		3008	
	NATIONAL ST	45+00		45+73	15		11			24
	DUS AND AGGRE	1		TOTAL	29	2428	1878	832	5689	134

ADDITIONAL BITUMINOUS AND AGGREGATE ITEMS CAN BE FOUND IN TAB C "STORM SEWER".

					SILT FENCE TYPE	ROLLED EROSION	FERTILIZER TYPE 3	COMMON TOPSOIL	SEEDING	SEED MIXTURE	SEED MIXTURE	HYDRAULIC REINFORCED	RAPID STABILIZATION	RANDOM RIPRAP CLAS
ALI	LOCATION	STA	то	STA	MACHINE SLICED	PREVENTION CAT 25		BORROW		25-121	33-261	FIBER MATRIX	METHOD 3	Ш
					LIN FT	SQ YD	POUND	CU YD	ACRE	POUND	POUND	POUND	MGAL	TON
ALIRD5	LWB	33+00	-	45+21	1248	2120	153	233	0.438	26.7		1708	2.6	
	LEB	33+00	-	63+35	3052	3961	286	436	0.818	49.9		3190	4.9	
	LWB	45+45	-	63+35	1784	2142	155	236	0.442	27.0		1724	2.7	
	LWB FLUME	63+06												6
	LEB FLUME	63+06												6
	FLOODPLAIN MIT. N&S					1401			0.290		10.1	1131	1.7	
				PROJECT	6084	9624	594	905	1.988	103.6	10.1	7753	11.9	12

	LOOPS	I
		LOOP DETECTOR DESIGN NMC 6'X6'
		EACH
		4
DESTROYED S ONLY BE USER [2] SIGNAL MU ANY LOOP RE	DED AND INTENDED TO BE USED FOR IGNAL LOOPS DUE TO MILLING OR RE D IF DAMAGE OCCURS, BUT IS NOT EX ST BE MAINTAINED AND IN OPERATIO <u>PLACEMENTS</u> . CONTRACTOR MUST CO RIMENT FOR REMOVALS AND INSTALL	(PECTED. N <u>DURING CONSTRUCTION AND</u> DORDINATE WITH ANOKA COUNTY
J		
TENERGY.COM		
		3 OF 3
SAP 002-612	-035	TABULATIONS

UT	ILITY OWNERS / CONTACTS	
ANOKA COUNTY SIGNALS	MAGELLAN MIDSTREAM PIPELINE	CENTER POINT ENERGY
MARK LEKSON	CLAIR MADSEN	AUSTIN SOWERS
MARK.LEKSON@ANOKACOUNTYMN.GOV	CLAIR.MADSEN@ONEOK.COM	AUSTIN.SOWERS@CENTERPOINTE
PH 763-324-3139	PH 612-750-1806	PH 612-321-5421
CITY OF BLAINE	XCEL ENERGY	LUMEN / CENTURYLINK
DAN SCHLUENDER	CRYSTAL CHRISTIANSON	CHUCK DAHER
DSCHLUENDER@BLAINEMN.GOV	CRYSTAL.A.CHRISTIANSON@XCELENERGY.COM	CDAHER@CONGRUEX.COM
PH 763-785-6158		PH 612-298-2825
MNDOT FIBER		
ROBERT MELCHER		
ROBERT .MELCHER@STATE.MN.US		

						I HEREBY CERTIFY THAT THIS PLAN 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 BY JJF DATE <u>12/01/24</u>		ANOKA COUNTY	SAP 002-612-
						MSD AL.	DESIGN BY JJF DATE 12/01/24		HIGHWAY DEPT.	
NO	DATE	BY	CKD APPR	REVISION		SIGNATORE	CHECKED BY NJD DATE 01/28/25	ANOKA		
NAME:	P:\002-612-035	7 to 53\Pla	1\002612035_SEQ_T	ABS.dgn 01/30/2025	7:04:03 AM	DATE:		COUNTY]	

PH 651-366-5750

		EXCAV	ATION END	DAREAS	EXCA\	ATION VC	LUMES	EXCAVATI	ON TOTALS
STATION	LENGTH (FT)	TOPSOIL	COMMON	EXCAVATION SPECIAL	TOPSOIL	COMMON	EXCAVATION SPECIAL	COMMON	EXCAVATION SPECIAL
	I ⁽ , L							[1]	[2]
		SF	SF	SF	CY	CY	CY	CY	CY
33+00.00	50.00	0.56	0.37	0.00	1 00	0.05	0.00	0.00	0.00
33+50.00	50.00	0.93	0.33	0.00	1.38	0.65	0.00	2.03	0.00
34+00.00	50.00	5.85	0.12	0.00	6.28	0.42	0.00	6.69	0.00
34+50.00 35+00.00	50.00 50.00	5.53 8.21	0.24	0.00 28.12	10.54 12.72	0.33	0.00 26.04	10.87 12.96	0.00 26.04
35+50.00	50.00	8.77	0.02	34.57	15.72	0.24	58.05	15.77	58.05
36+00.00	50.00	7.09	0.03	33.85	14.69	0.06	63.35	14.74	63.35
36+50.00	50.00	6.94	0.03	34.75	12.99	0.00	63.52	13.03	63.52
37+00.00	50.00	6.83	0.01	34.91	12.75	0.02	64.50	12.77	64.50
37+50.00	50.00	4.83	0.05	35.00	10.80	0.06	64.73	10.85	64.73
38+00.00	50.00	5.64	0.06	34.66	9,69	0.10	64.50	9.80	64.50
38+50.00	50.00	5.39	0.05	35.06	10.21	0.10	64.56	10.31	64.56
39+00.00	50.00	5.29	0.05	34.78	9.89	0.09	64.67	9.98	64.67
39+50.00	50.00	8.21	0.04	69.70	12.50	0.08	96.74	12.58	96.74
40+00.00	50.00	9.41	0.03	70.90	16.31	0.06	130.19	16.38	130.19
40+50.00	50.00	10.92	0.03	76.25	18.82	0.06	136.25	18.88	136.25
41+00.00	50.00	11.61	0.03	75.37	20.86	0.06	140.39	20.92	140.39
41+50.00	50.00	11.70	0.04	75.23	21.58	0.06	139.44	21.65	139.44
42+00.00	50.00	11.87	0.02	118.85	21.82	0.06	179.70	21.88	179.70
42+50.00	50.00	21.96	0.02	115.71	31.32	0.04	217.19	31.36	217.19
43+00.00	50.00	20.31	0.03	110.08	39.14	0.05	209.06	39.19	209.06
43+50.00	50.00	11.97	0.02	117.11	29.89	0.05	210.36	29.94	210.36
44+00.00	50.00	11.52	0.04	107.80	21.75	0.06	208.25	21.81	208.25
44+50.00	50.00	10.56	0.02	107.19	20.44	0.06	199.06	20.50	199.06
45+00.00	50.00	14.63	0.09	108.71	23.32	0.10	199.91	23.43	199.91
45+50.00 46+00.00	50.00 50.00	19.34 15.06	4.83	123.16 155.77	31.45 31.85	4.56 4.49	214.69 258.27	36.01 36.34	214.69 258.27
46+00.00	50.00	11.92	0.02	160.74	24.98	0.19	293.06	25.17	293.06
47+00.00	50.00	12.93	0.18	159.73	23.01	0.33	296.73	23.34	295.00
47+00.00	50.00	13.68	0.01	163.91	24.64	0.18	299.67	24.81	299.67
48+00.00	50.00	11.45	0.01	116.56	23.27	0.02	259.69	23.29	259.69
48+50.00	50.00	11.05	0.01	112.53	20.83	0.02	212.12	20.85	212.12
49+00.00	50.00	10.68	0.02	113.34	20.12	0.02	209.14	20.15	209.14
49+50.00	50.00	9.71	0.00	109.14	18.88	0.02	206.00	18.90	206.00
50+00.00	50.00	10.78	0.01	112.96	18.97	0.01	205.65	18.98	205.65
50+50.00	50.00	8.37	0.02	72.84	17.73	0.03	172.04	17.76	172.04
51+00.00	50.00	8.19	0.02	73.30	15.33	0.04	135.31	15.37	135.31
51+50.00	50.00	7.61	0.01	72.04	14.63	0.03	134.57	14.66	134.57
52+00.00	50.00	7.90	0.01	69.65	14.36	0.02	131.19	14.38	131.19
52+50.00	50.00	7.73	0.02	63.46	14.47	0.03	123.25	14.50	123.25
53+00.00	50.00	8.48	0.04	70.74	15.01	0.06	124.26	15.06	124.26
53+50.00	50.00	8.31	0.04	70.31	15.55	0.07	130.60	15.62	130.60
54+00.00	50.00	8.15	0.05	70.92	15.24	0.08	130.77	15.32	130.77
54+50.00	50.00	8.39	0.04	72.22	15.31	0.08	132.54	15.40	132.54
55+00.00	50.00	8.20	0.04	72.53	15.36	0.07	134.03	15.44	134.03
55+50.00	50.00	8.10	0.01	71.44	15.09	0.05	133.31	15.14	133.31
56+00.00	50.00	8.28	0.02	72.39	15.17	0.03	133.18	15.19	133.18
56+50.00 57+00.00	50.00 50.00	8.02 8.43	0.01	73.60 74.09	15.09 15.23	0.03	135.18 136.75	15.12 15.25	135.18 136.75
57+00.00	50.00	9.04	0.01	82.61	15.23	0.02	145.09	16.19	136.75
58+00.00	50.00	8.69	0.01	74.87	16.10	0.02	145.81	16.19	145.09
58+50.00	50.00	8.90	0.03	76.42	16.29	0.02	140.08	16.32	140.08
59+00.00	50.00	8.57	0.03	76.17	16.18	0.04	141.29	16.22	140.00
59+50.00	50.00	8.58	0.02	75.72	15.88	0.04	140.64	15.92	140.64
60+00.00	50.00	8.29	0.02	79.28	15.62	0.04	143.52	15.66	143.52
60+50.00	50.00	8.16	0.03	79.08	15.23	0.05	146.63	15.28	146.63
61+00.00	50.00	8.43	0.30	77.88	15.36	0.31	145.33	15.67	145.33
61+50.00	50.00	8.07	0.03	73.81	15.28	0.31	140.45	15.58	140.45
62+00.00	50.00	7.63	0.03	74.43	14.54	0.06	137.26	14.59	137.26
62+50.00	50.00	7.32	0.04	74.95	13.84	0.06	138.31	13.91	138.31
63+00.00	50.00	6.80	0.02	71.16	13.07	0.06	135.29	13.13	135.29

SUB TOTAL	1040.91	14.36	8642.17	1055.27	8642.17

1	4/01/25	IE	ND		ADDED NOTES		I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME	I			
-	4/01/23	51	ND		ADDED NOTES		OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY				SAP 002
							LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	DRAWN BYJJF DATE12/01/24		ANOKA COUNTY	
							THE STATE OF MINNESOTA.				
								DESIGN BY JJF DATE 12/01/24			
							SIGNATURE: MDOLDA		NOVA	HIGHWAY DEPT.	
NO	DATE	BY	CKD	APPR	REVISION			CHECKED BY NJD DATE 01/28/25	ANOKA		
NAM	E P:\002-612-035	7 to 53\Pla	n\00261203	5 EW.dgn	04/01/2025	2:25:36 PM	DATE:	······	COUNTY		

EXCAVATION NOTES: [1] INCLUDES TOPSOIL

[2] ROADCORE EXCAVATION FOR SELECT EMBANKMENT.





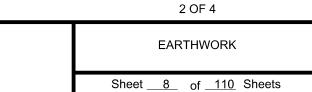
Sheet 7 of 110 Sheets

	I L		EMBANK	MENT EN	D AREAS		E	MBANKMEN	IT VOLUM	ES	AGGREGA	<u>re volumes</u>
STATION	LENGTH (FT)	TOPSOIL	FILL OUTSIDE CORE	SELECT GRANULAR	AGGREGATE SUBBASE	AGGREGATE SHOULDERING	TOPSOIL	FILL OUTSIDE CORE	COMMON [3]	SELECT GRANULAR [4]	AGGREGATE SUBBASE	AGGREGATE SHOULDERING
		SF	SF	SF	SF	SF	CY	СҮ	CY	CY	СҮ	СҮ
33+00.00	50.00	0.81	0.00	0.00	0.00	1.20	•	•	•		•	•
33+50.00	50.00	0.57	0.00	0.00	0.00	1.20	1.28	0.00	1.28	0.00	0.00	2.22
34+00.00	50.00	6.35	4.25	0.00	0.00	1.20	6.41	3.94	10.34	0.00	0.00	2.22
34+50.00	50.00	6.05	2.37	0.00	0.00	1.20	11.48	6.13	17.61	0.00	0.00	2.22
35+00.00	50.00	8.66	7.63	25.71	3.94	1.20	13.62	9.26	22.88	23.81	3.65	2.22
35+50.00	50.00	8.83	12.42	34.10	4.99	1.20	16.19	18.56	34.76	55.38	8.27	2.22
36+00.00	50.00	6.56	10.87	34.33	3.54	1.20	14.25	21.56	35.81	63.36	7.90	2.22
36+50.00	50.00	6.28	9.67	31.89	5.27	1.20	11.89	19.02	30.91	61.31	8.16	2.22
37+00.00	50.00	6.24	7.35	31.13	5.29	1.20	11.59	15.76	27.35	58.35	9.78	2.22
37+50.00	50.00	3.83	4.15	33.50	5.20	1.20	9.32	10.65	19.97	59.84	9.71	2.22
38+00.00	50.00	5.14	5.08	35.40	5.16	1.20	8.31	8.55	16.85	63.80	9.59	2.22
38+50.00	50.00	4.98	5.47	36.70	5.17	1.20	9.37	9.77	19.14	66.76	9.56	2.22
39+00.00	50.00	4.71	4.99	36.42	3.96	1.20	8.97	9.69	18.66	67.70	8.45	2.22
39+50.00	50.00	7.06	9.57	70.26	10.40	1.20	10.90	13.48	24.38	98.78	13.30	2.22
40+00.00	50.00	8.70	13.55	74.39	10.33	1.20	14.59	21.41	36.00	133.94	19.19	2.22
40+50.00	50.00	10.62	19.52	85.91	7.45	1.20	17.89	30.62	48.51	148.43	16.46	2.22
41+00.00	50.00	11.31	21.51	89.56	10.98	1.20	20.31	37.99	58.30	162.47	17.06	2.22
41+50.00	50.00	11.42	22.61	87.36	10.99	1.20	21.05	40.85	61.90	163.81	20.34	2.22
42+00.00	50.00	8.99	19.49	147.88	16.34	1.20	18.90	38.98	57.88	217.81	25.31	2.22
42+50.00	50.00	7.45	16.69	135.70	16.24	1.20	15.22	33.50	48.72	262.57	30.17	2.22
43+00.00	50.00	6.97	12.68	118.19	16.57	1.20	13.35	27.19	40.55	235.08	30.38	2.22
43+50.00	50.00	6.81	15.61	125.03	16.60	1.20	12.76	26.19	38.95	225.20	30.71	2.22
44+00.00	50.00	6.86	12.87	125.65	16.12	1.20	12.66	26.37	39.03	232.11	30.30	2.22
44+50.00	50.00	7.51	15.21	132.35	15.78	1.20	13.31	26.00	39.31	238.89	29.54	2.22
45+00.00	50.00	8.71	14.03	137.09	16.43	1.20	15.02	27.07	42.09	249.48	29.82	2.22
45+50.00	50.00	4.60	17.68	154.78	41.45	0.60	12.32	29.36	41.69	270.25	53.59	1.67
46+00.00	50.00	10.54	29.35	220.87	21.74	1.20	14.02	43.55	57.56	347.82	58.51	1.67
46+50.00	50.00	10.36	28.54	222.53	21.84	1.20	19.35	53.60	72.95	410.56	40.35	2.22
47+00.00	50.00	9.36	24.46	210.19	11.00	1.20	18.26	49.07	67.33	400.67	30.41	2.22
47+50.00	50.00	8.53	23.14	199.50	22.13	1.20	16.56	44.07	60.64	379.34	30.68	2.22
48+00.00	50.00	8.20	16.62	141.16	16.81	1.20	15.49	36.81	52.31	315.43	36.06	2.22
48+50.00	50.00	7.69	13.61	130.30	16.70	1.20	14.71	27.99	42.70	251.35	31.03	2.22
49+00.00	50.00	7.18	12.48	128.45	16.61	1.20	13.77	24.16	37.93	239.58	30.84	2.22
49+50.00	50.00	5.90	9.91	119.11	16.51	1.20	12.11	20.73	32.84	229.22	30.67	2.22
50+00.00	50.00	7.21	12.47	127.95	16.68	1.20	12.14	20.72	32.86	228.76	30.73	2.22
50+50.00	50.00	6.68	8.94	77.23	11.22	1.20	12.86	19.82	32.69	189.98	25.83	2.22
51+00.00	50.00	6.46	9.79	81.53	11.14	1.20	12.17	17.34	29.51	147.00	20.70	2.22
51+50.00	50.00	5.61	9.43	69.97	11.14	1.20	11.18	17.80	28.97	140.28	20.63	2.22
52+00.00	50.00	5.91	8.05	73.75	11.40	1.20	10.67	16.19	26.85	133.07	20.87	2.22
52+50.00	50.00	6.31	8.31	67.84	5.47	1.20	11.31	15.15	26.46	131.10	15.62	2.22
53+00.00	50.00	6.82	10.15	78.67	11.13	1.20	12.16	17.09	29.25	135.66	15.37	2.22
53+50.00	50.00	6.59	8.21	73.80	11.16	1.20	12.42	17.00	29.42	141.18	20.64	2.22
54+00.00	50.00	6.41	8.16	74.80	11.38	1.20	12.04	15.16	27.19	137.59	20.87	2.22
54+50.00	50.00	6.77	9.68	77.41	11.11	1.20	12.20	16.52	28.72	140.94	20.82	2.22
55+00.00	50.00	6.49	8.44	75.69	11.23	1.20	12.28	16.78	29.06	141.76	20.69	2.22
55+50.00	50.00	6.44	8.58	74.45	11.13	1.20	11.97	15.76	27.73	139.02	20.70	2.22
56+00.00	50.00	6.70	8.61	75.16	11.21	1.20	12.17	15.92	28.08	138.53	20.69	2.22
56+50.00	50.00	6.30	7.80	74.10	11.37	1.20	12.04	15.19	27.23	138.20	20.91	2.22
57+00.00	50.00	6.83	8.69	73.75	11.44	1.20	12.16	15.27	27.43	136.90	21.12	2.22
57+50.00	50.00	7.53	12.80	84.56	11.68	1.20	13.30	19.90	33.19	146.58	21.41	2.22
58+00.00	50.00	5.37	11.01	77.03	11.44	1.20	11.94	22.05	33.99	149.62	21.41	2.22
58+50.00	50.00	7.46	10.96	80.89	11.45	1.21	11.88	20.34	32.22	146.22	21.19	2.23
59+00.00	50.00	7.01	9.51	80.33	11.48	1.30	13.40	18.95	32.35	149.28	21.23	2.32
59+50.00	50.00	7.00	8.90	78.55	11.49	1.38	12.97	17.05	30.02	147.11	21.27	2.48
60+00.00	50.00	6.62	9.40	83.46	11.49	1.20	12.61	16.94	29.56	150.01	21.28	2.39
60+50.00	50.00	6.50	9.26	82.88	11.38	1.20	12.15	17.28	29.43	154.02	21.18	2.22
61+00.00	50.00	6.86	9.39	81.95	11.39	1.50	12.37	17.27	29.64	152.62	21.08	2.50
61+50.00	50.00	6.43	7.97	77.04	9.67	1.20	12.31	16.07	28.38	147.21	19.50	2.50
62+00.00	50.00	5.81	6.55	72.88	11.39	1.20	11.33	13.44	24.78	138.81	19.50	2.22
62+50.00	50.00	5.51	6.70	73.00	11.29	1.20	10.48	12.27	22.75	135.07	21.00	2.22
63+00.00	50.00	5.25	5.85	63.27	10.33	1.20	9.96	11.62	21.58	126.18	20.02	2.22

1	4/01/25	JF	ND		ADDED NOTES		I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME				
							OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	DRAWN BY JJF DATE 12/01/24		ANOKA COUNTY	SAP 00
							THE STATE OF MINNESOTA.				
							PRINT NAME:NICHOLAS J DOBDA	DESIGN BY JJF DATE 12/01/24			
							and all			HIGHWAY DEPT.	
NO	DATE	BY	CKD	APPR	REVISION		SIGNATURE.	CHECKED BY NJD DATE 01/28/25	ANOKA	HIGHWAT DEFT.	
NAME:	P:\002-612-035	17 to 53\Pla	in\00261203	5_EW.dgn	04/01/2025	2:25:57 PM	DATE: 04/03/2025 LICENSE NO. 49046		COUNTY		

EMBANKMENT NOTES:
[3] INCLUDES TOPSOIL AND FILL OUTSIDE CORE.

[4] SELECT GRANLAR EMBANKMENT IN ROADWAY CORE



002-612-035

SUMMARY NOTES:

- [1] INCLUDES TOPSOIL
- [2] ROADCORE EXCAVATION FOR SELECT EMBANKMENT.
- [3] INCLUDES TOPSOIL AND FILL OUTSIDE CORE.
- [4] SELECT GRANLAR EMBANKMENT IN ROADWAY CORE
- [6] 1.0' GRAVEL SHOULDER OUTSIDE PAVED SHOULDER.

	THWORK S	ON TOTALS		AA NKMENT
	COMMON	EXCAVATION		SELECT
STATION		SPECIAL		GRANULA
	[1]	[2]	[3]	[4]
33+00.00	CY	CY	CY	CY
33+50.00	2	0	1	0
34+00.00	7	0	10	0
34+50.00	11	0	18	0
35+00.00	13	26	23	24
35+50.00	16	58	35	55
36+00.00	15	63	36	63
36+50.00	13	64	31	61
37+00.00	13	65	27	58
37+50.00	11	65	20	60
38+00.00 38+50.00	10	65 65	<u>17</u> 19	64 67
39+00.00	10	65	19	68
39+50.00	13	97	24	99
40+00.00	16	130	36	134
40+50.00	19	136	49	148
41+00.00	21	140	58	162
41+50.00	22	139	62	164
42+00.00	22	180	58	218
42+50.00	31	217	49	263
43+00.00	39	209	41	235
43+50.00	30	210	39	225
44+00.00	22	208	39	232
44+50.00 45+00.00	21	199 200	39 42	239 249
45+00.00	23	200	42	249
46+00.00	36	258	58	348
46+50.00	25	293	73	411
47+00.00	23	297	67	401
47+50.00	25	300	61	379
48+00.00	23	260	52	315
48+50.00	21	212	43	251
49+00.00	20	209	38	240
49+50.00	19	206	33	229
50+00.00	19	206	33	229
50+50.00 51+00.00	18	172 135	<u>33</u> 30	190 147
51+50.00	15	135	29	147
52+00.00	13	133	27	133
52+50.00	15	123	26	133
53+00.00	15	124	29	136
53+50.00	16	131	29	141
54+00.00	15	131	27	138
54+50.00	15	133	29	141
55+00.00	15	134	29	142
55+50.00	15	133	28	139
56+00.00 56+50.00	15 15	133 135	28 27	139
57+00.00	15	135	27	138 137
57+50.00	15	145	33	137
58+00.00	16	145	34	150
58+50.00	16	140	32	146
59+00.00	16	141	32	149
59+50.00	16	141	30	147
60+00.00	16	144	30	150
60+50.00	15	147	29	154
61+00.00	16	145	30	153
61+50.00	16	140	28	147
62+00.00	15	137	25	139
62+50.00 63+00.00	14	138 135	23 22	135 126
00-00.00	13	135	22	120
ROJECT TOTAL	1055	8642	2036	9696

	[5]	[6]
	CY	CY
33+00.00		
33+50.00	0	2
34+00.00	0	2
34+50.00	0	2
35+00.00	4	2
35+50.00	8	2
36+00.00	8	2
36+50.00	8	2
37+00.00	10	2
37+50.00	10	2
38+00.00	10	2
38+50.00	10	2
39+00.00	8	2
39+50.00	13	2
40+00.00	19	2
40+50.00	16	2
41+00.00	17	2
41+50.00	20	2
42+00.00	25	2
42+50.00	30	2
43+00.00	30	2
43+50.00	31	2
44+00.00	30	2
44+50.00	30	2
45+00.00	30	2
45+50.00	54	2
46+00.00	59	2
46+50.00	40	2
47+00.00	30	2
47+50.00	31	2
48+00.00	36	2
48+50.00	31	2
49+00.00	31	2
49+50.00	31	2
50+00.00	31	2
50+50.00	26	2
51+00.00		
	21	2
51+50.00	21	2
52+00.00	21	2
52+50.00	16	2
53+00.00	15	2
53+50.00	21	2
54+00.00	21	2
54+50.00	21	2
55+00.00	21	2
55+50.00	21	2
56+00.00	21	2
56+50.00	21	2
57+00.00	21	2
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58+00.00	21	2
58+50.00	21	2
59+00.00	21	2
59+50.00	21	2
	21	2
60+00.00		
60+50.00	21	2
61+00.00	21	3
61+50.00	20	3
62+00.00	20	2
62+50.00	21	2
63+00.00	20	2
PROJECT TOTAL	1276	133

AGG SUMMARY

STATION

BB

AGGREGATE

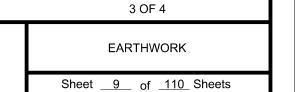
SHOULDERING

AGGREGATE VOLUMES

SUBBASE

1	4/01/25	JF	N	D		REMOVED EARTHWORK TABULATION TOTAL, ADDED NOTES	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME				
							OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY	DRAWN BYJJF DATE12/01/24		ANOKA COUNTY	SAP 002-61
							LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.				
								DESIGN BY JJF DATE 12/01/24			
								DESIGN BY DATE			
							SIGNATURE: MOOCIda			HIGHWAY DEPT.	4
NC	DATE	B)		KD	APPR	REVISION	04/02/2025	CHECKED BY NJD DATE 01/28/25			4
NAM	IE: P:\002-612-0	35 17 to 53	Plan\002	612035	5_EW.dgn	04/01/2025 2:26:24 PM	DATE: 04/03/2025 LICENSE NO. 49046		COUNTY		

[5] UNDER PAVED SHOULDERS, RIGHT TURN LANE, BYPASS LANE AND NATIONAL STREET APPROACH



-612-035

EARTH	CC				
	EXCAVATI	ON TOTALS	EMBANKMEN	T VOLUMES	
	COMMON EXCAVATION SPECIAL		COMMON	SELECT GRANULAR	
	CY	CY	CY	CY	
PROJECT TOTAL	1,055	8,642	2,036	9,696	

FLOODPLAIN MITIG	DD			
	EXCAVATION TOTALS			
LOCATION	EXCAVATION CHANNEL AND POND CU YDS			
MITIGATION SITE SOUTH	246			
MITIGATION SITE NORTH	92			
PROJECT TOTAL	338			

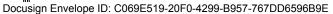
1	4/01/25	JF	ND		REMOVED EARTHWORK BALANCE	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME				
1	4/01/25	JF	ND		ADDED EARTHWORK TAB AND FLOODPLAIN TAB	OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY	DRAWN BY JJF DATE 12/01/24		ANOKA COUNTY	SAP 002-612
						 LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. 				
						PRINT NAME: NICHOLAS J DOBDA	DESIGN BY JJF DATE 12/01/24			
						MOD ALC	DESIGN BT DATE		HIGHWAY DEPT.	
N	D DATE	BY	CKD	APPR	REVISION	SIGNATURE.	CHECKED BY NJD DATE 01/28/25	ANOKA	IIIGHWAT DEFT.	
NA	ME: P:\002-612-035	17 to 53\Pla		35_EW.dgn		DATE:04/03/2025 LICENSE NO49046	CHECKED DI DATE_CHECKED	COUNTY		

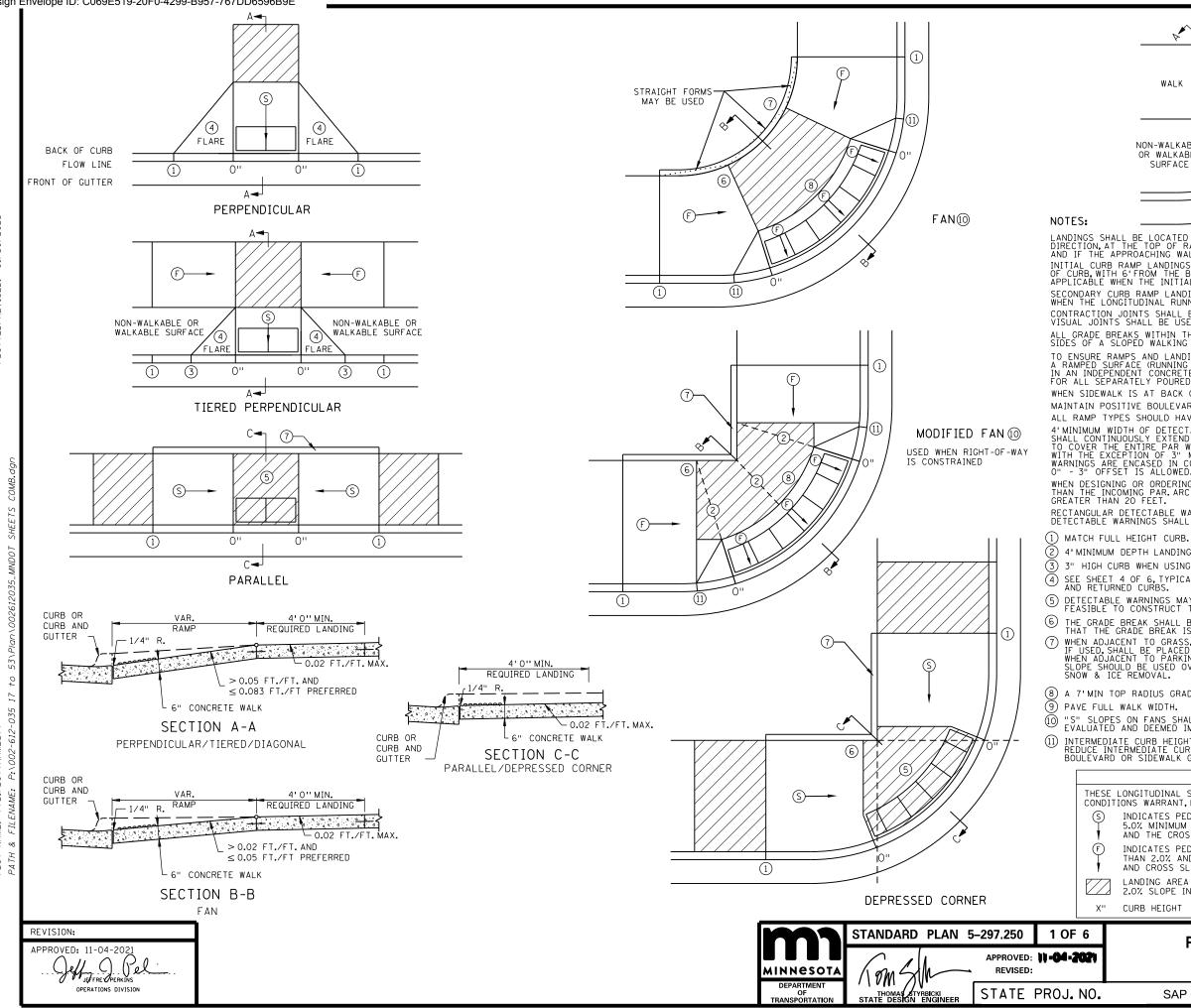
12-035

4 OF 4

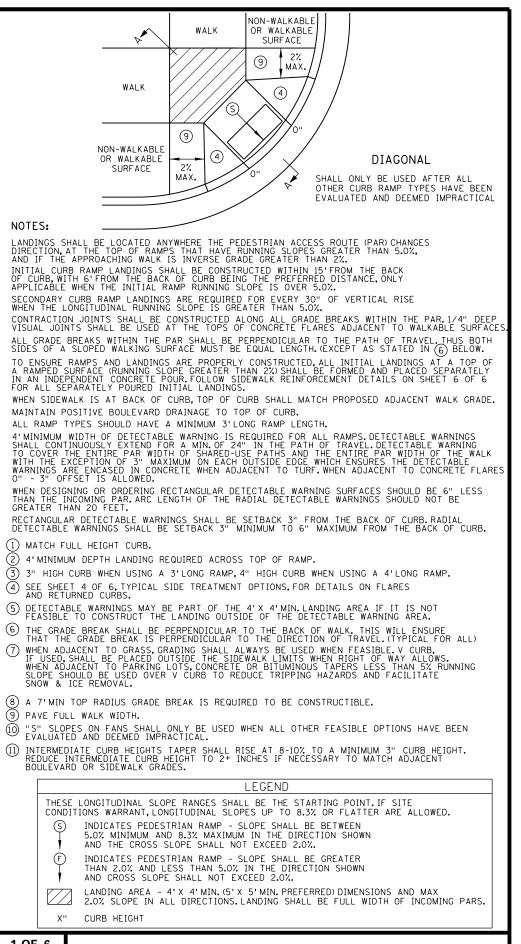
EARTHWORK

Sheet <u>10</u> of <u>110</u> Sheets



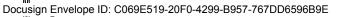


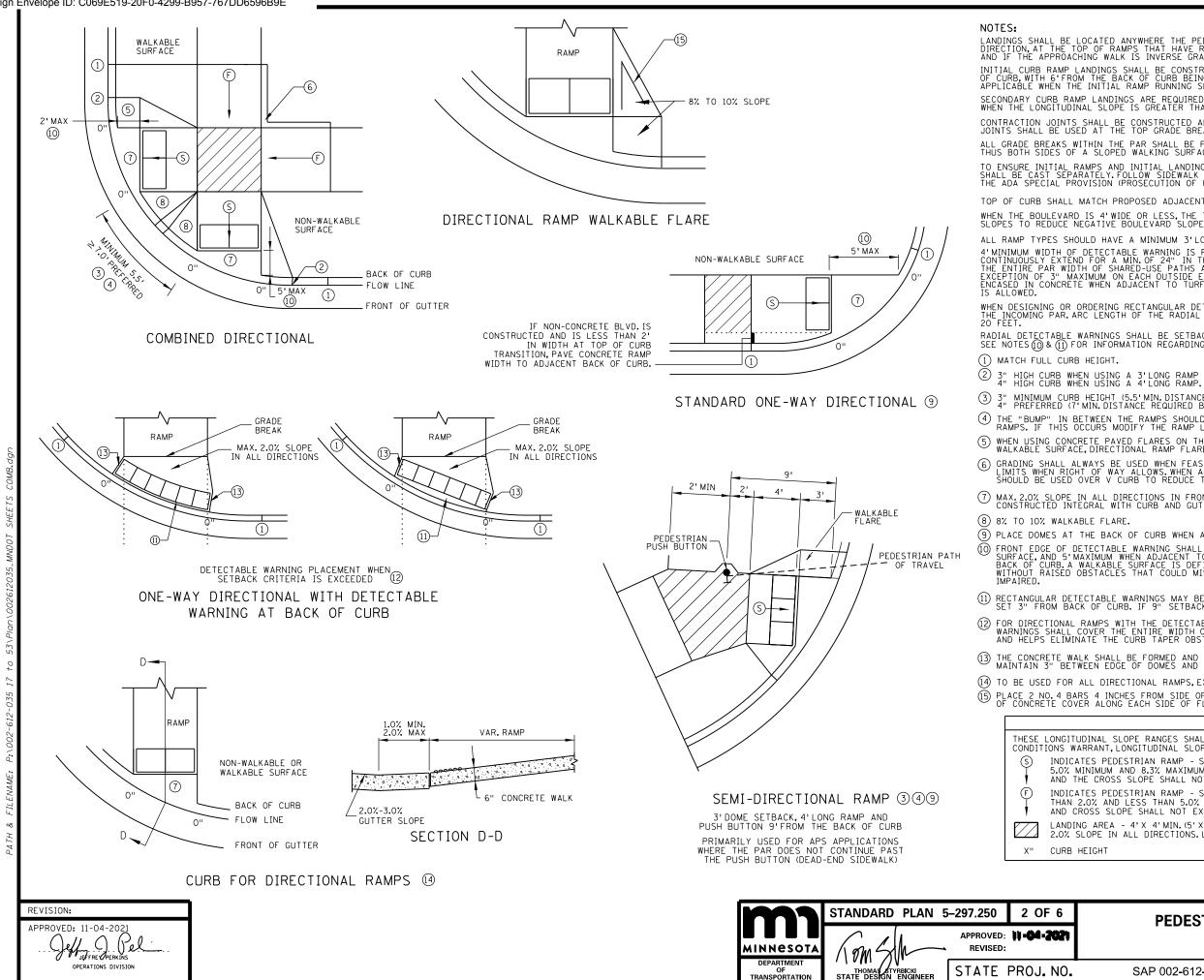
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PEDESTRIAN CURB RAMP DETAILS

SHEET NO. 11 OF 110 SHEETS





30, 01/ ISED:

IPL 0 T\$N DISTRICT **#:** PLOT NAME: PATH & FILE LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE.

INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15 FROM THE BACK OF CURB.WITH 6 FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY APPLICABLE WHEN THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%. SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%.

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOP GRADE BREAK OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES. ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH.

TO ENSURE INITIAL RAMPS AND INITIAL LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS SHALL BE CAST SEPARATELY.FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 AND THE ADA SPECIAL PROVISION (PROSECUTION OF WORK).

TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.

WHEN THE BOULEVARD IS 4 WIDE OR LESS, THE TOP OF CURB TAPER SHALL MATCH THE RAMP SLOPES TO REDUCE NEGATIVE BOULEVARD SLOPES FROM THE TOP BACK OF CURB TO THE PAR.

ALL RAMP TYPES SHOULD HAVE A MINIMUM 3'LONG RAMP LENGTH.

4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24" IN THE PATH OF TRAVEL. DETECTABLE WARNING TO COVER THE ENTIRE PAR WIDTH OF SHARED-USE PATHS AND THE ENTIRE PAR WIDTH OF THE WALK WITH THE EXCEPTION OF 3" MAXIMUM ON EACH OUTSIDE EDGE WHICH ENSURES THE DETECTABLE WARNINGS ARE ENCASED IN CONCRETE WHEN ADJACENT TO TURF. WHEN ADJACENT TO CONCRETE FLARES 0" - 3" OFFSET IS ALLOWED

WHEN DESIGNING OR ORDERING RECTANGULAR DETECTABLE WARNING SURFACES SHOULD BE 6" LESS THAN THE INCOMING PAR.ARC LENGTH OF THE RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET.

RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB. SEE NOTES 0 & 1 For information regarding rectangular detectable warning placement.

(3) 3" MINIMUM CURB HEIGHT (5.5' MIN. DISTANCE REQUIRED BETWEEN DOMES) 4" PREFERRED (7' MIN. DISTANCE REQUIRED BETWEEN DOMES).

(4) THE "BUMP" IN BETWEEN THE RAMPS SHOULD NOT BE IN THE PATH OF TRAVEL FOR COMBINED DIRECTIONAL RAMPS. IF THIS OCCURS MODIFY THE RAMP LOCATION OR SWITCH RAMP TO A FAN/DEPRESSED CORNER. 5 when using concrete paved flares on the outside of directional ramps, and adjacent to a walkable surface, directional ramp flares shall be used. See the detail on this sheet.

(6) GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS SHOULD BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW & ICE REMOVAL.

(7) MAX. 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER.

(9) PLACE DOMES AT THE BACK OF CURB WHEN ALLOWABLE SETBACK CRITERIA IS EXCEEDED.

(10) FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK 2' MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5' MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 3" FROM BACK OF CURB. A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.

(1) RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK UP TO 9" FROM THE BACK OF CURB WITH CORNERS SET 3" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.

(12) FOR DIRECTIONAL RAMPS WITH THE DETECTABLE WARNINGS PLACED AT THE BACK OF CURB, THE DETECTABLE WARNINGS SHALL COVER THE ENTIRE WIDTH OF THE WALK/PATH, THIS ENSURES A DETECTABLE EDGE AND HELPS ELIMINATE THE CURB TAPER OBSTRUCTING THE PATH OF PEDESTRIAN TRAVEL.

(3) THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

(14) TO BE USED FOR ALL DIRECTIONAL RAMPS, EXCEPT WHERE DOMES ARE PLACED ALONG THE BACK OF CURB. (15) PLACE 2 NO. 4 BARS 4 INCHES FROM SIDE OF FORMS WITH A MINIMUM 2 INCHES OF CONCRETE COVER ALONG EACH SIDE OF FLARE (INCIDENTAL).

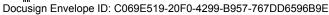
LEGEND

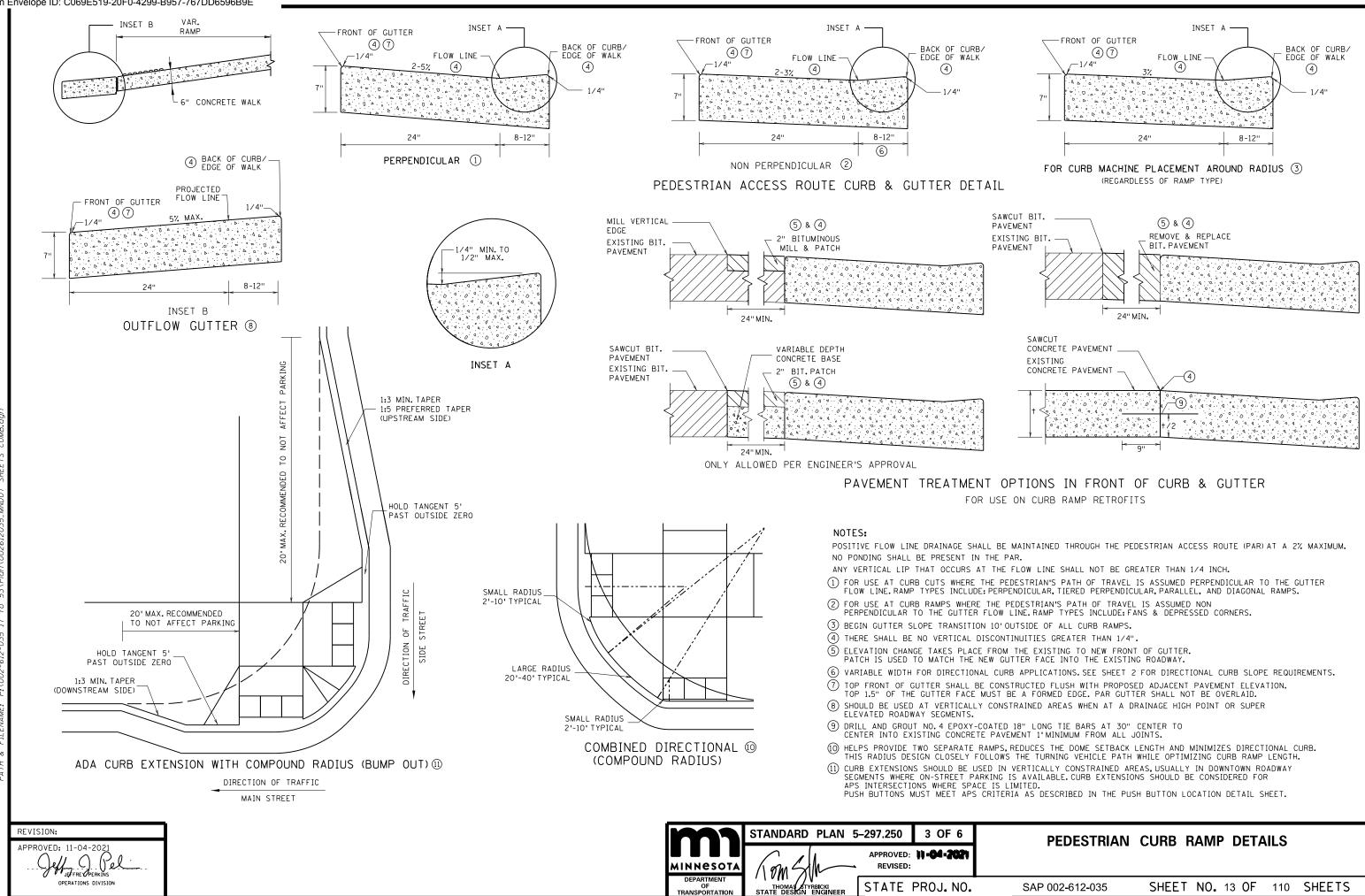
THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED. INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%. INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%. LANDING AREA - 4'X 4'MIN. (5'X 5'MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

PEDESTRIAN CURB RAMP DETAILS

SAP 002-612-035

SHEET NO. 12 OF 110 SHEETS





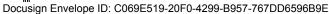
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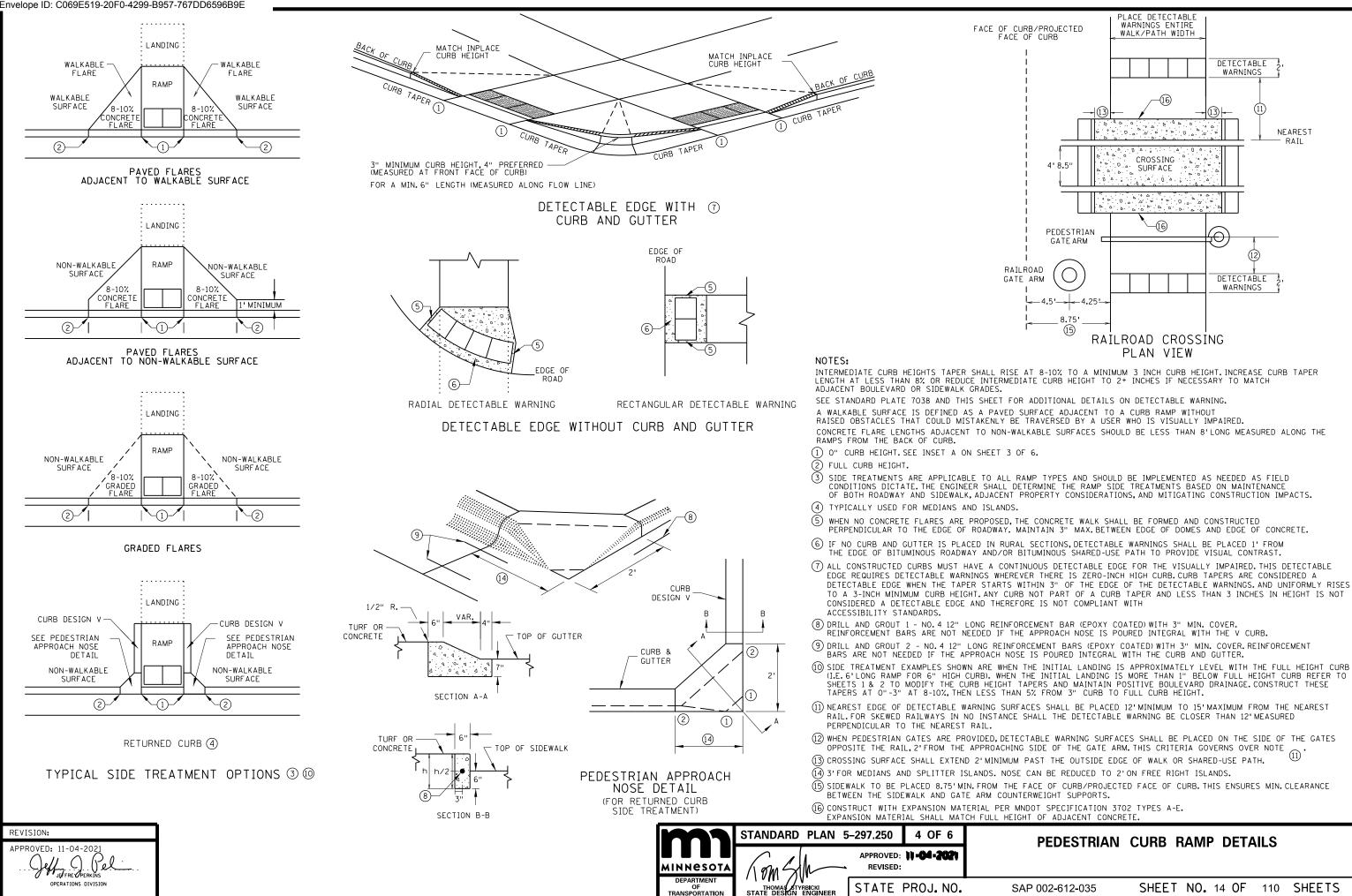
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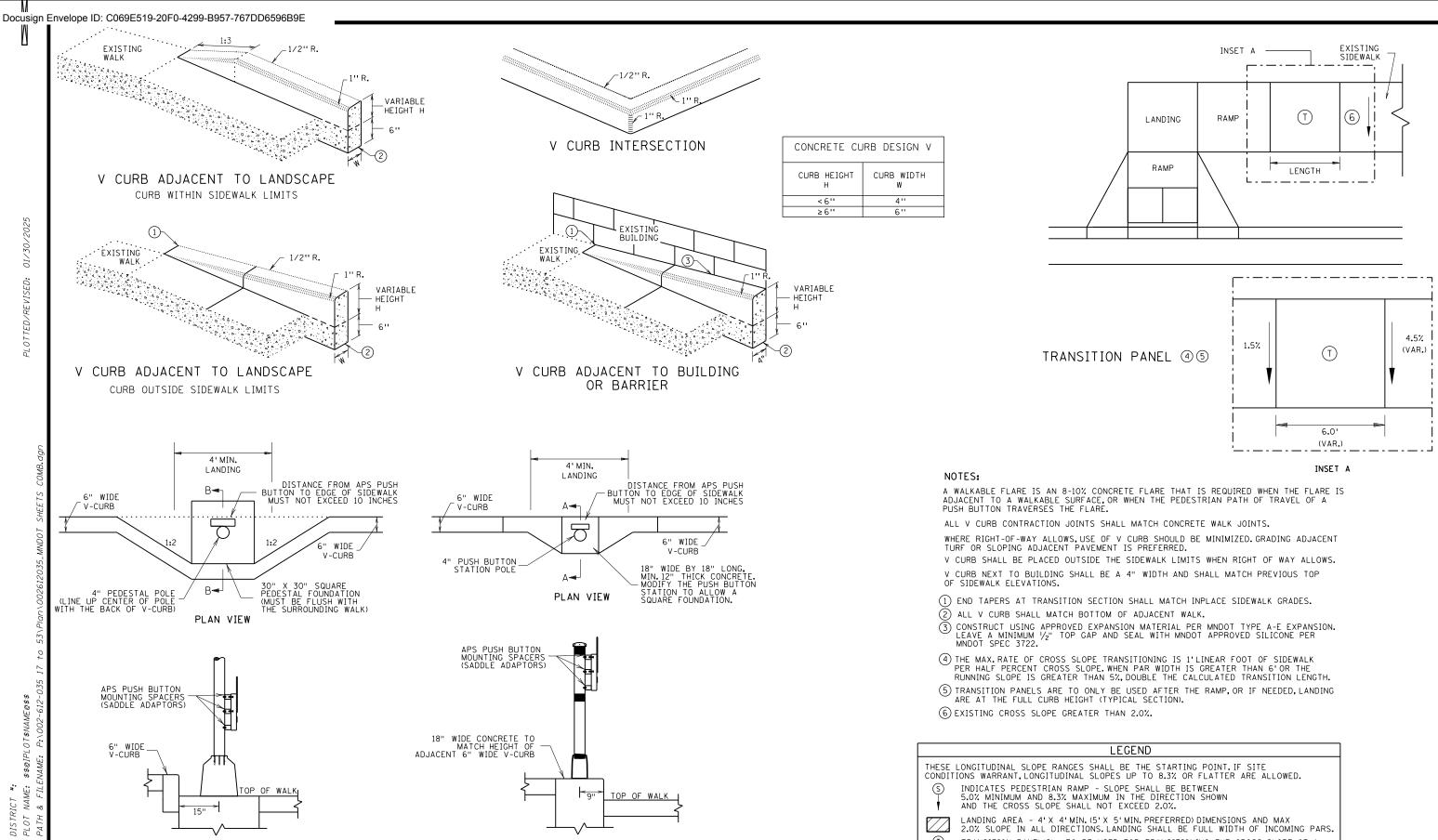
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SAP 002-612-035

SHEET NO. 14 OF 110 SHEETS



SECTION A-A

PUSH BUTTON STATION (V-CURB)

SECTION B-B SIGNAL PEDESTAL & PUSH BUTTON (V-CURB)

REVISION: APPROVED: 11-04-2021 Jeff D. Pel OPERATIONS DIVISION

1

5 OF 6

APPROVED: 11-04-2021

STATE PROJ. NO.

REVISED:

STANDARD PLAN 5-297.250

/\ M

THOMAS STYRBICKI STATE DESIGN ENGINEER

MINNESOTA

DEPARTMENT

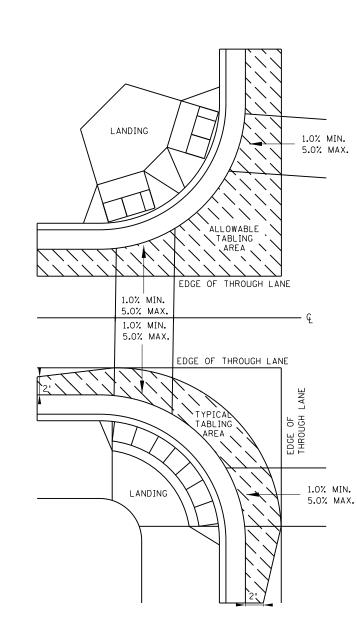
OF TRANSPORTATION

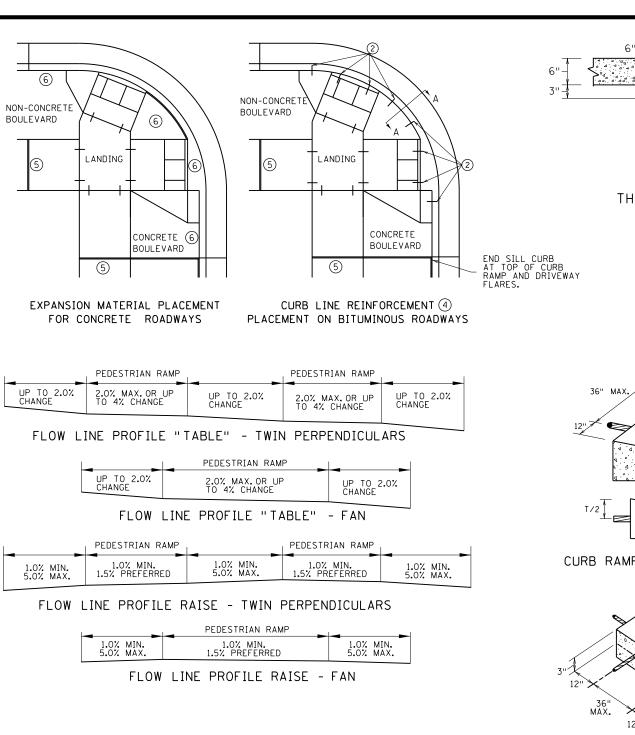
LANDING AREA - 4'X 4'MIN.(5'X 5'MIN.PREFERRED)DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS.LANDING SHALL BE FULL WIDTH OF INCOMING PARS. TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A RAMP TO THE EXISTING WALK CROSS-SLOPE.RATE OF TRANSITION SHOULD BE 0.5% PER 1 LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.

PEDESTRIAN CURB RAMP DETAILS

SAP 002-612-035

SHEET NO. 15 OF 110 SHEETS





GENERAL NOTES:

'TABLING" OF CROSSWALKS MEANS MAINTAINING LESS THAN 2% CROSS SLOPE WITHIN A CROSSWALK, IS REQUIRED WHEN A ROADWAY IS IN A STOP OR YIELD CONDITION AND THE PROJECT SCOPE ALLOWS.

RECONSTRUCTION PROJECTS: ON FULL PAVEMENT REPLACEMENT PROJECTS "TABLING" OF ENTIRE CROSSWALK SHALL OCCUR WHEN FEASIBLE.

MILL & OVERLAY PROJECTS: "TABLING" OF FLOW LINES IN FRONT OF THE PEDESTRIAN RAMP, IS REQUIRED WHEN THE EXISTING FLOW LINE IS GREATER THAN 2%. WARPING OF THE BITUMINOUS PAVEMENT CAN NOT EXTEND INTO THE THROUGH LANE. TABLE THE FLOW LINE TO 2% OR AS MUCH AS POSSIBLE WHILE ADHERING TO WARPING OF THE BILDWINGUS FAVEMENT CAN NOT EXTEND INTO THE FUNCTION EASE. FALL THE FOLLOWING CRITERIA;
1) 1.0% MIN, CROSS-SLOPE OF THE ROAD
2) 5.0% MAX. CROSS-SLOPE OF THE ROAD
3) "TABLE" FLOW LINE UP TO 4% CHANGE FROM EXISTING SLOPE IN FRONT OF PEDESTRIAN RAMP
4) UP TO 2% CHANGE IN FLOW LINE FROM EXISTING SLOPE BEYOND THE PEDESTRIAN CURB RAMP

CURB LINE AND ROAD CROSSING ADJUSTMENTS

STAND-ALONE ADA RETROFITS: FOLLOW MILL & OVERLAY CRITERIA ABOVE HOWEVER ALL PAVEMENT WARPING IS DONE WITH BITUMINOUS PATCHING ON BITUMINOUS ROADWAYS AND FULL-DEPTH APRON REPLACEMENT ON CONCRETE ROADWAYS.

RAISING OF CURB LINES SHOULD OCCUR IN VERTICALLY CONSTRAINED AREAS. RAISE THE CURB LINES ENOUGH TO ALLOW COMPLIANT RAMPS OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA: 1) 1.0% MIN. AND 5.0% MAXIMUM CROSS-SLOPE OF THE ROAD 2) 1.0% MIN.FLOW LINE (ON EITHER SIDE OF PEDESTRIAN RAMP) TO MAINTAIN POSITIVE DRAINAGE 3) 5.0% RECOMMENDED MAX. FLOW LINE

4) LONGITUDINAL THROUGH LANE ROADWAY TAPERS SHOULD BE 1" VERTICAL PER 15' HORIZONTAL

REVISION

APPROVED: 11-04-2021 OPERATIONS DIVISION

NOTES:

- (1) TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE

- REINFORCEMENT REQUIRED FOR ALL CONSTRUCTION JOINTS. BARS TO BE PAID BY EACH.
- OF ADJACENT CONCRETE.
- ADJACENT CONCRETE.

	STANDARD PLAN 5	5–297.250	6 OF 6	
INNESOTA	(mgh	APPROVED: 11-04-2021 REVISED:		
DEPARTMENT OF TRANSPORTATION	THOMAS STYRBICKI STATE DESIGN ENGINEER	STATE	PROJ.NO.	

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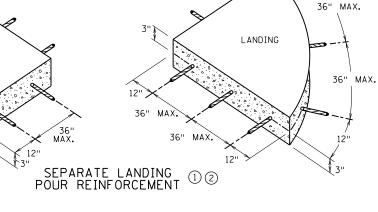
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PEDESTRIAN CURB RAMP DETAILS

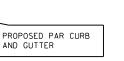
(6) USE AN APPROVED TYPE F (1/4 INCH THICK) SEPARATION MATERIAL. SEPARATION MATERIAL SHALL MATCH FULL HEIGHT DIMENSION OF

(4) THIS CURB LINE REINFORCEMENT DETAIL SHALL BE USED ON BITUMINOUS ROADWAYS.FOR CONCRETE ROADWAYS, SEE NOTE 6. (5) CONSTRUCT WITH EXPANSION MATERIAL PER MNDOT SPECIFICATION 3702 TYPES A-E.EXPANSION MATERIAL SHALL MATCH FULL HEIGHT

(RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET FOR ALL SEPARATELY POURED INITIAL LANDINGS. (2) DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) AT 36" MAXIMUM CENTER TO CENTER MINIMUM 12" SPACING FROM CONSTRUCTION JOINTS BARS TO BE ADJUSTED TO MATCH RAMP GRADE. BARS TO BE PAID BY EACH. (3) DRILL AND GROUT 2 - NO. 4 X 12" LONG (6" EMBEDDED) REINFORCEMENT BARS (EPOXY COATED).



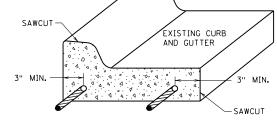
CURB RAMP REINFORCEMENT DETAILS 2 4



LANDING

ROPOSED PAR

CURB AND GUTTER



CURB AND GUTTER REINFORCEMENT

3

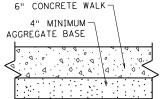
SECTION VIEW A-A THICKENED SECTION THROUGH CURB RAMP FLARES

6" WALK

2" MIN.

6"

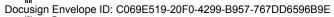
6"

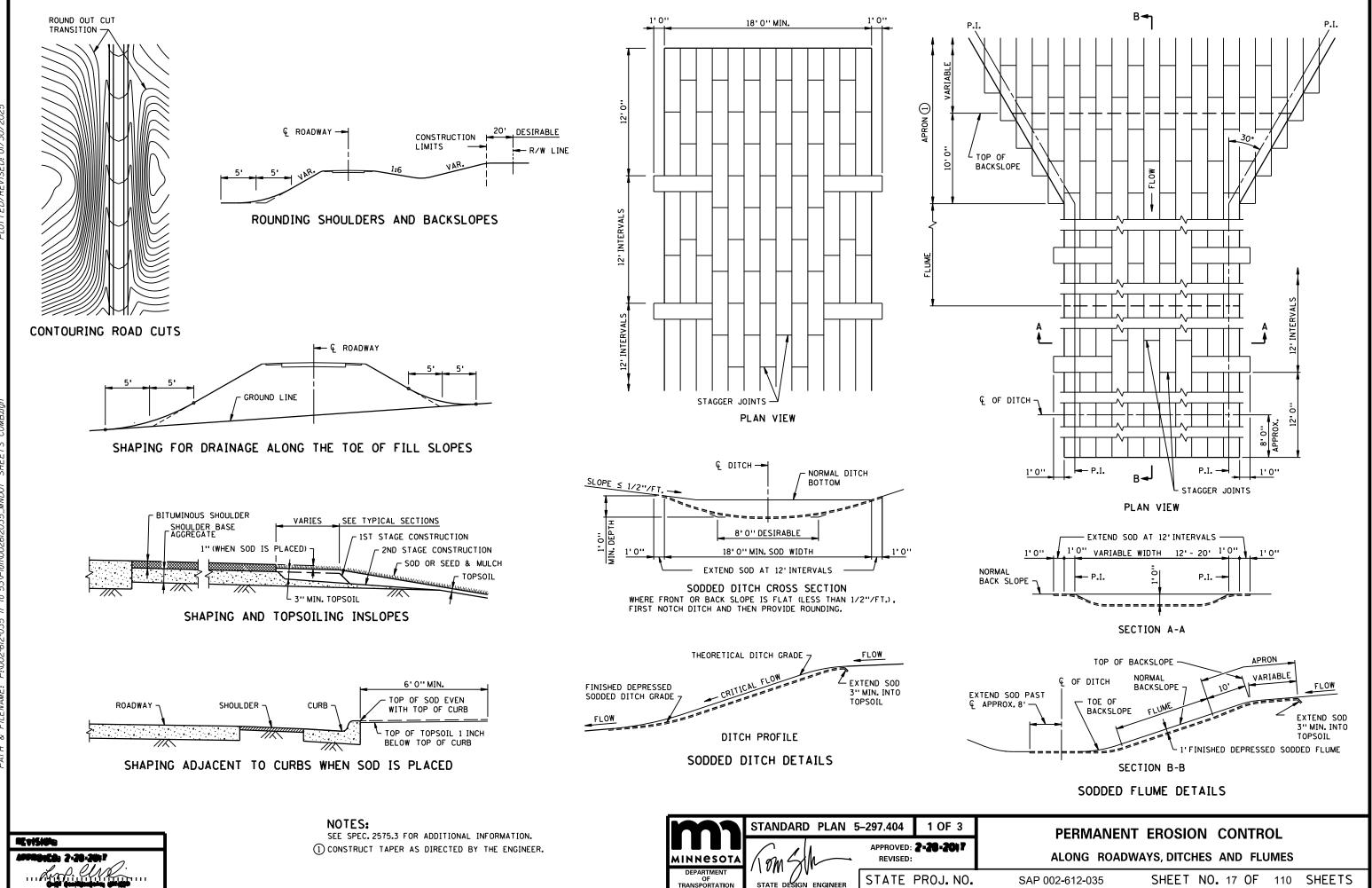


TYPICAL SIDEWALK SECTION WITHIN INTERSECTION CORNER

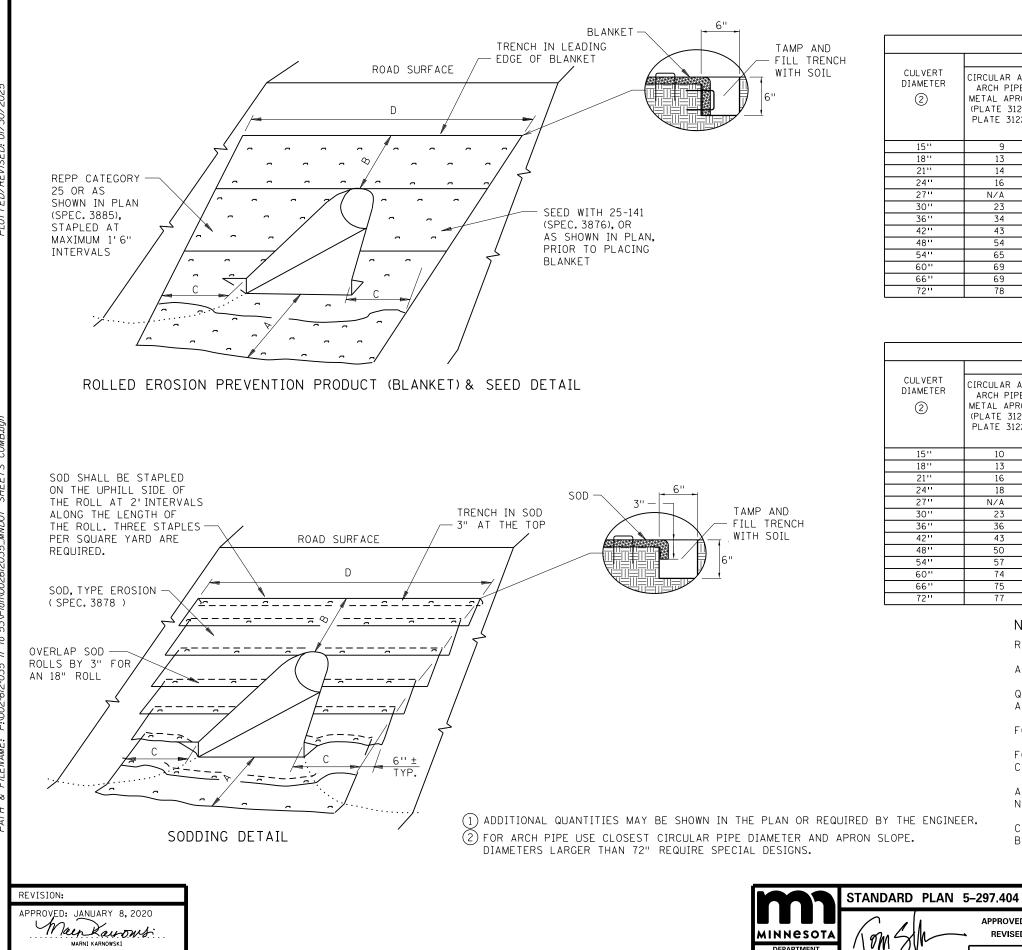


6" CONCRETE WALK-





DISTRICT *: IPLOT NAME: \$\$@IPLOT\$NAME@\$\$ PATH & FILENAME: P:NO2-612-035 I7 to 53\PIan\OO2612035_MNDOT SHEETS (



CHIEF ENVIRONMENTAL OFFICER

CULVERT INLET APRON ①								
	SOD OR REPI	P (SQ.YDS.)						
ARCH PIPE ARCH PIPE		1:6 SLOPE	CORRUGATED METAL PIPE SAFETY APRON 1:6 SLOPE	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:4 SLOPE (PLATE 3128)	''A''	''B''	''C''	''D''
9	8	8	N/A	N⁄A	3'	1.5'	3'	13'
12	12	14	16	N/A	3'	3'	3'	16'
14	14	16	18	14	3'	3'	3'	17'
15	16	19	21	17	3'	3'	3'	18'
20	N/A	NZA	N/A	N/A	3'	4.5'	3'	20'
22	25	30	32	N/A	3'	4.5'	3'	22'
34	39	48	51	37	4.5'	4.5'	4.5'	27'
40	51	64	NZA	NZA	4.5'	6'	4.5'	30'
50	66	82	N/A	N/A	4.5'	7.5'	4.5'	34'
58	81	102	N/A	N/A	4.5'	9'	4.5'	37'
59	91	115	N/A	N/A	4.5'	9'	4.5'	39'
63	N/A	NZA	NZA	NZA	4.5'	9'	4.5'	39'
72	99	122	NZA	NZA	4.5'	10.5'	4.5'	41'

CULVERT OUTLET APRON (1)								
SOD OR REPP (SQ. YDS.)								
	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:4 SLOPE (PLATE 3148)	ARCH PIPE	CORRUGATED METAL PIPE SAFETY APRON 1:6 SLOPE	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:4 SLOPE (PLATE 3128)	''A''	''B''	ייכיי	ייםיי
	9	10	NZA	N⁄A	4.5'	1.5'	3'	13'
	12	14	15	N/A	6'	1.5'	3'	14'
	16	18	19	15	6'	1.5'	3'	15'
	18	21	22	18	7.5'	1.5'	3'	16'
	N⁄A	N/A	N/A	N⁄A	7.5'	1.5'	3'	17'
	24	28	29	N/A	9'	1.5'	3'	18'
	38	47	48	37	10.5'	1.5'	4.5'	23'
	47	58	NZA	N/A	12'	1.5'	4.5'	25'
	57	70	N/A	N/A	13.5'	1.5'	4.5'	27'
	67	84	N/A	N/A	15'	1.5'	4.5'	29'
	90	113	N/A	N/A	16.5'	1.5'	6'	33'
	N⁄A	N/A	N/A	NZA	16.5'	1.5'	6'	33'
	92	114	N/A	N/A	16.5'	1.5'	6'	34'

REPP = ROLLED EROSION PREVENTION PRODUCT.

CIRCULAR AND

ARCH PIPE

METAL APRON

(PLATE 3123.

PLATE 3122)

13

14

16

N/A

23

34

43

54

65

69

69

78

CIRCULAR AND

ARCH PIPE

METAL APRON

(PLATE 3123,

PLATE 3122)

10

13

16

18

N/A

23

36

43

50

57

74

75

77

CIRCULAR AND CIRCL

ARCH PIPE

CONCRETE

APRON

(PLATE 3100,

PLATE 3110)

10

13

14

18

19

23

35

40

46

50

63

67

70

2 OF 3

APPROVED: 1-8-2020

STATE PROJ. NO.

REVISED:

DEPARTMENT

OF TRANSPORTATION

THOMAS STYRBICKI STATE DESIGN ENGINEER

NOTES:

AREA SHOWN IN SQUARE YARDS IS FOR ONE CULVERT END.

QUANTITIES ARE CALCULATED TO INCLUDE SOD REQUIRED TO PROVIDE A 3" OVERLAP ON ALL 18" WIDE ROLLS. THIS ALLOWS FOR SHRINKAGE OF THE SOD.

FOR PIPE ARCHES USE EQUIVALENT PIPE DIAMETER TO APPROXIMATE AREA.

FOR CORRUGATED POLYETHYLENE PIPE METAL APRON (PLATE 3129). USE THE METAL APRON COLUMN (PLATE 3123).

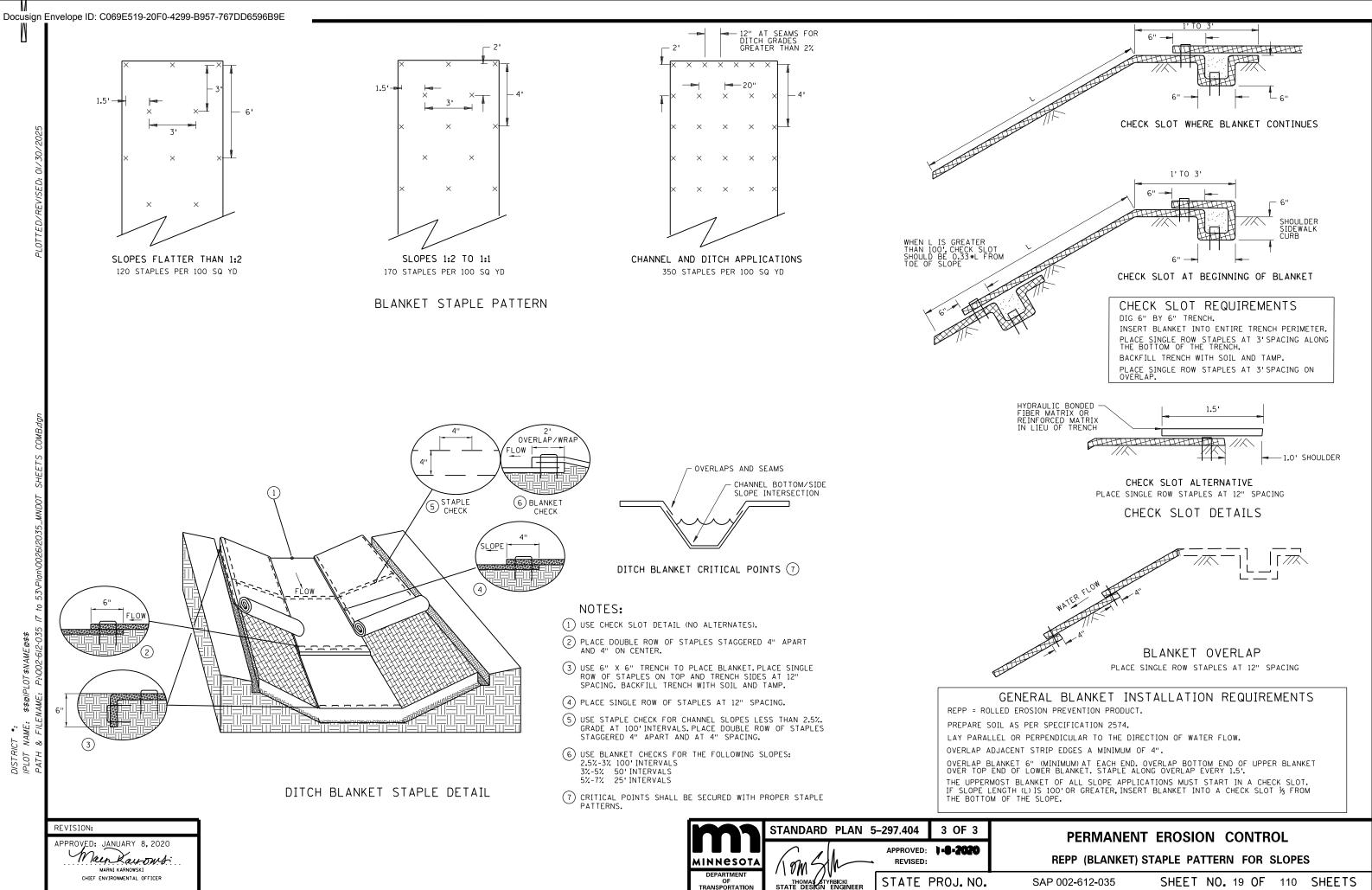
AREAS AND DIMENSIONS ARE APPROXIMATE AND ARE BASED ON APRON SIDE SLOPES OF NO STEEPER THAN 1:2, UNLESS INDICATED AS FOR SAFETY APRONS.

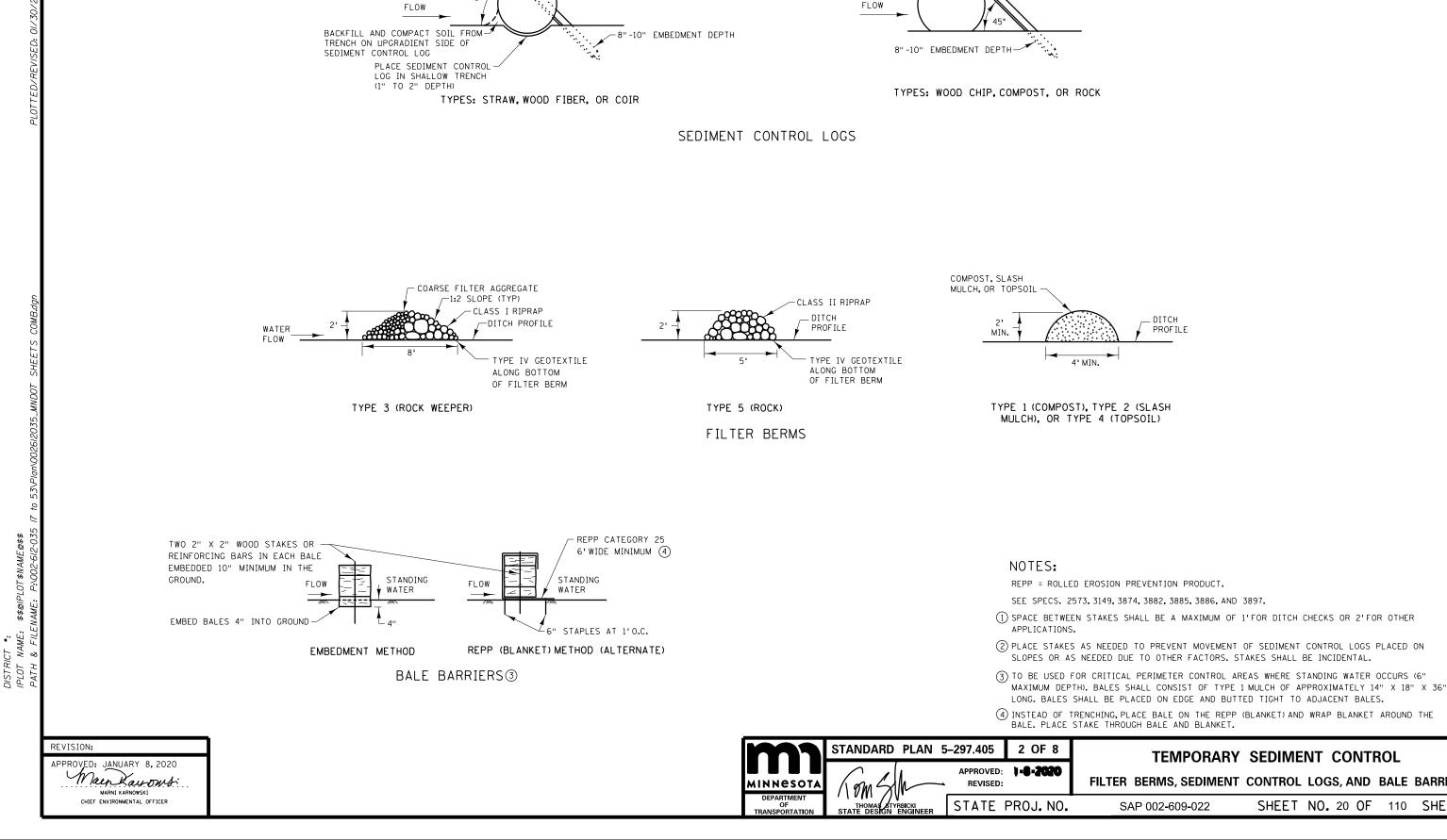
CARE SHOULD BE TAKEN IN SELECTING SOD TO STABILIZE THE APRON. RIP-RAP SHOULD BE USED FOR FLOW VELOCITIES GREATER THAN 6 FPS.

PERMANENT EROSION CONTROL

TURF ESTABLISHMENT DETAIL AT CULVERT ENDS

SHEET NO. 18 OF 110 SHEETS SAP 002-612-035





- SEDIMENT CONTROL LOG

1" X 2" X 24" LONG WOODEN STAKES AS

THE SEDIMENT CONTROL LOG AT AN ANGLE

- SEDIMENT CONTROL LOG

NEEDED. STAKES SHALL BE DRIVEN OVER

OF 45 DEGREES WITH THE TOP OF THE

STAKE POINTING UPSTREAM. (2)

Docusign Envelope ID: C069E519-20F0-4299-B957-767DD6596B9E

1" X 2" X 24" LONG WOODEN STAKES.

STAKES SHALL BE DRIVEN THROUGH THE BACK HALF OF THE SEDIMENT CONTROL LOG AT AN ANGLE OF 45 DEGREES WITH THE

TOP OF THE STAKE POINTING UPSTREAM. (1)

LOT\$N,

FILTER BERMS, SEDIMENT CONTROL LOGS, AND BALE BARRIERS

SAP 002-609-022

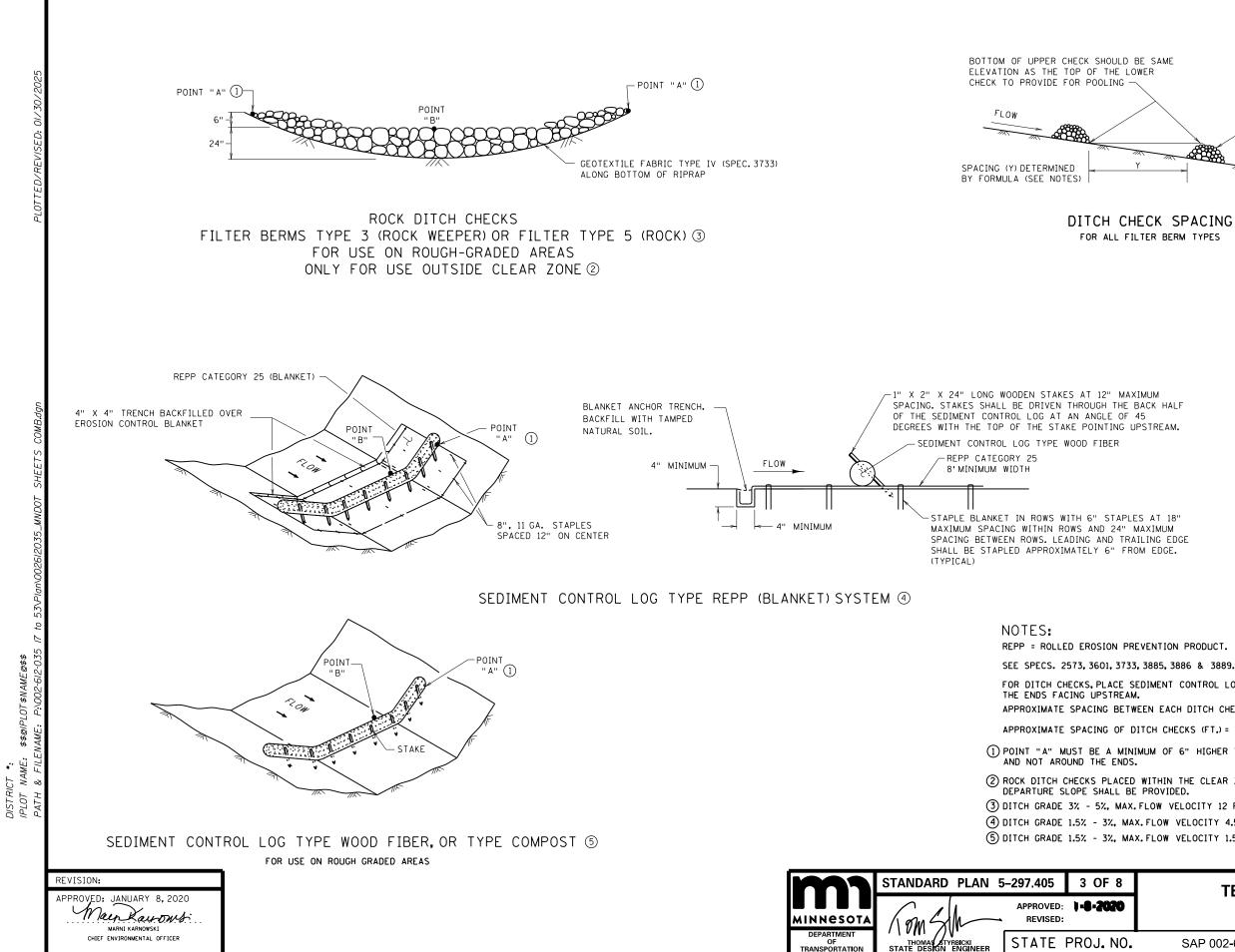
DITCH

PROFILE

SHEET NO. 20 OF 110 SHEETS

TEMPORARY SEDIMENT CONTROL

\$\$@IPLOT\$NAME



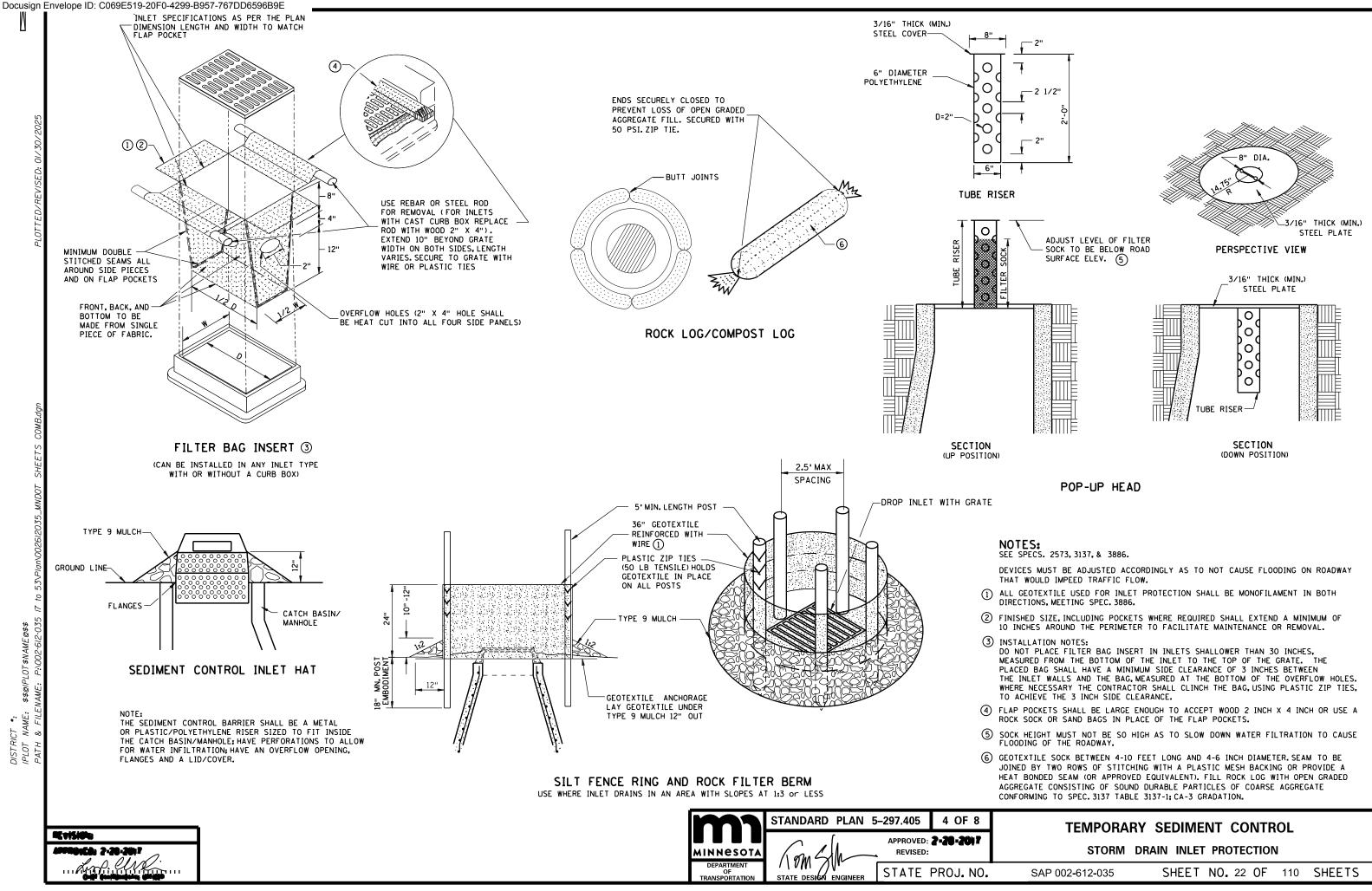
TEMPORARY SEDIMENT CONTROL

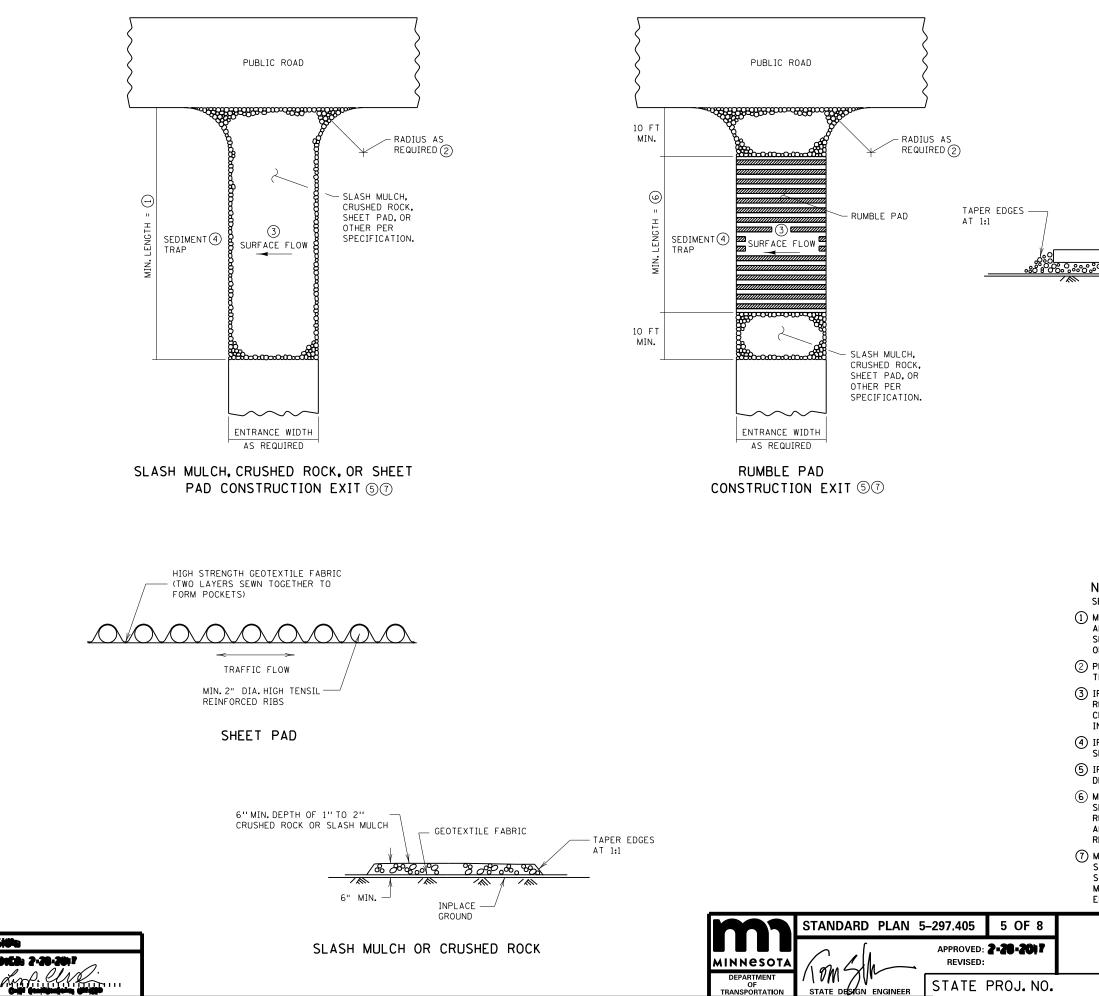
SAP 002-612-035

DITCH CHECK

8" M IDGE E.
ON PRODUCT. 3886 & 3889. I CONTROL LOG PERPENDICULAR TO FLOW AND IN A CRESCENT SHAPE WITH CH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:
HECKS (FT.) = Y = DITCH CHECK HEIGHT (FT.) % CHANNEL SLOPE X 100
F 6" HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE
I THE CLEAR ZONE ARE TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DED. VELOCITY 12 FT./SEC.
VELOCITY 4.5 FT./SEC. VELOCITY 1.5 FT./SEC.

FILTER BERM TYPE 3 OR 5 (SHOWN)





TEVISION

CORRUGATED STEEL PANELS GEOTEXTILE FABRIC CROSS SLOPE 3%. OR FLATTER CROSS SLOPE 3%. OR FLATTER CROSS SLOPE 3%. OR FLATTER COMPACTED SOIL COMPACTED SOIL COMPACTED SOIL COMPACTED SOIL

RUMBLE PAD

NOTES:

SEE SPECS. 2573 & 3882.

(1) MINIMUM LENGTH SHALL BE THE GREATER OF 50 FEET OR A LENGTH SUFFICIENT TO ALLOW A MINIMUM OF 5 TIRE ROTATIONS ON THE PROVIDED PAD. MINIMUM LENGTH SHALL BE CALCULATED USING THE LARGEST TIRE WHICH WILL BE USED IN TYPICAL OPERATIONS.

 $\textcircled{\sc c}$ provide radius or widen pad sufficiently to prevent vehicle tires from tracking off of pad when leaving site.

(3) IF RUNOFF FROM DISTURBED AREAS FLOWS TOWARD CONSTRUCTION EXITS, PREVENT RUNOFF FROM DRAINING DIRECTLY TO PUBLIC ROAD OVER CONSTRUCTION EXIT BY CROWNING THE EXIT OR SLOPING TO ONE SIDE. IF SURFACE GRADING IS INSUFFICIENT, PROVIDE OTHER MEANS OF INTERCEPTING RUNOFF.

(4) IF RUNOFF FROM CONSTRUCTION EXITS WILL DRAIN OFF OF PROJECT SITE, PROVIDE SEDIMENT TRAP WITH STABILIZED OVERFLOW.

(5) IF A TIRE WASH OFF IS REQUIRED THE CONSTRUCTION EXITS SHALL BE GRADED TO DRAIN THE WASH WATER TO A SEDIMENT TRAP.

(6) MINIMUM LENGTH OF RUMBLE PAD SHALL BE 20 FEET, OR AS REQUIRED TO REMOVE SEDIMENT FROM TIRES. IF SIGNIFICANT SEDIMENT IS TRACKED FROM THE SITE, THE RUMBLE PAD SHALL BE LENGTHENED OR THE DESIGN MODIFIED TO PROVIDE ADDITIONAL VIBRATION. WASH-OFF LENGTH SHALL BE AS REQUIRED TO EFFECTIVELY REMOVE CONSTRUCTION SEDIMENT FROM VEHICLE TIRES.

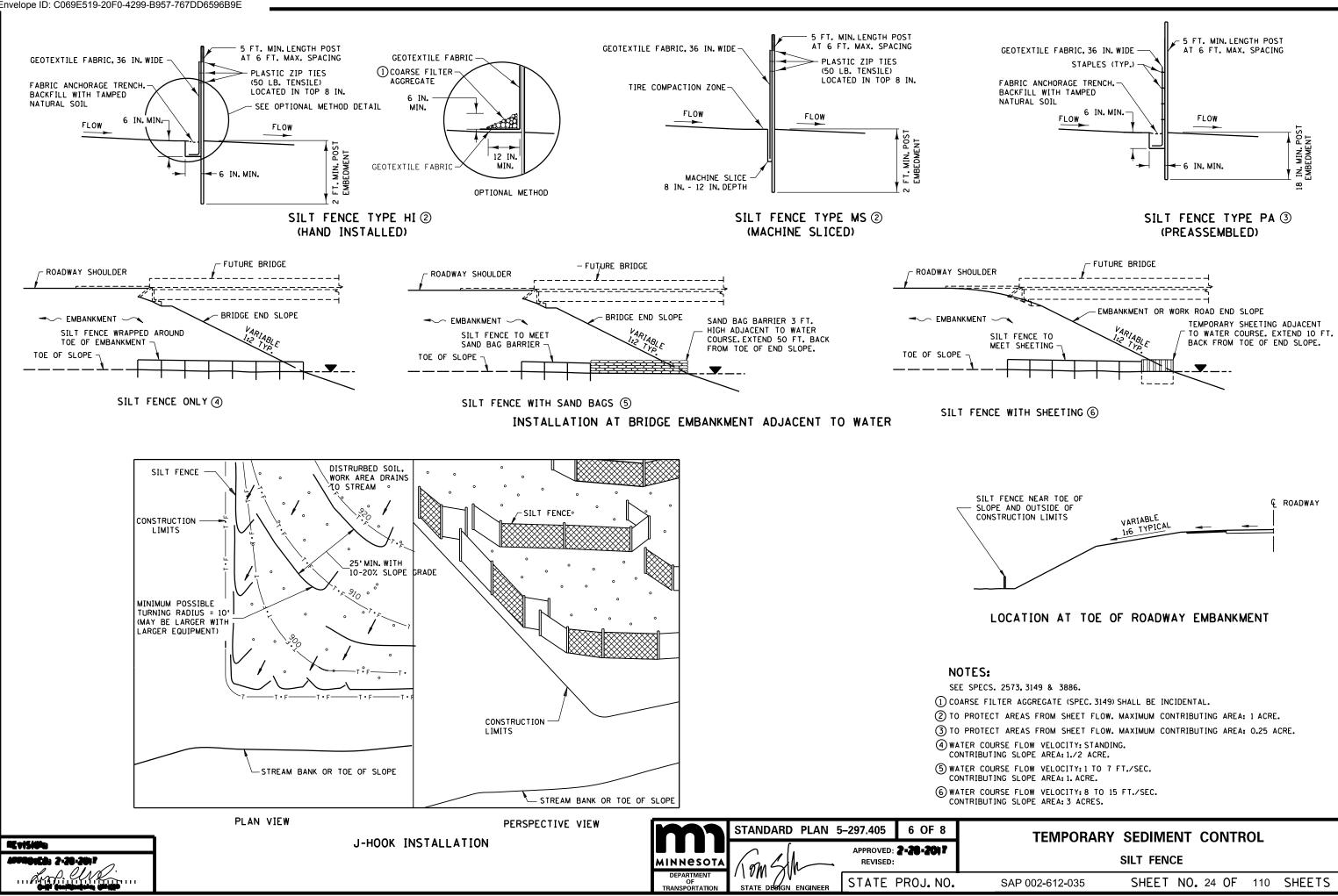
(7) MAINTENANCE OF CONSTRUCTION EXITS SHALL OCCUR WHEN THE EFFECTIVENESS OF SEDIMENT REMOVAL HAS BEEN REDUCED. MAINTENANCE SHALL CONSIST OF REMOVING SEDIMENT AND CLEANING THE MATERIALS OR PLACING ADDITIONAL MATERIAL (SLASH MULCH OR CRUSHED ROCK) OVER SEDIMENT FILLED MATERIAL TO RESTORE EFFECTIVENESS.

TEMPORARY SEDIMENT CONTROL

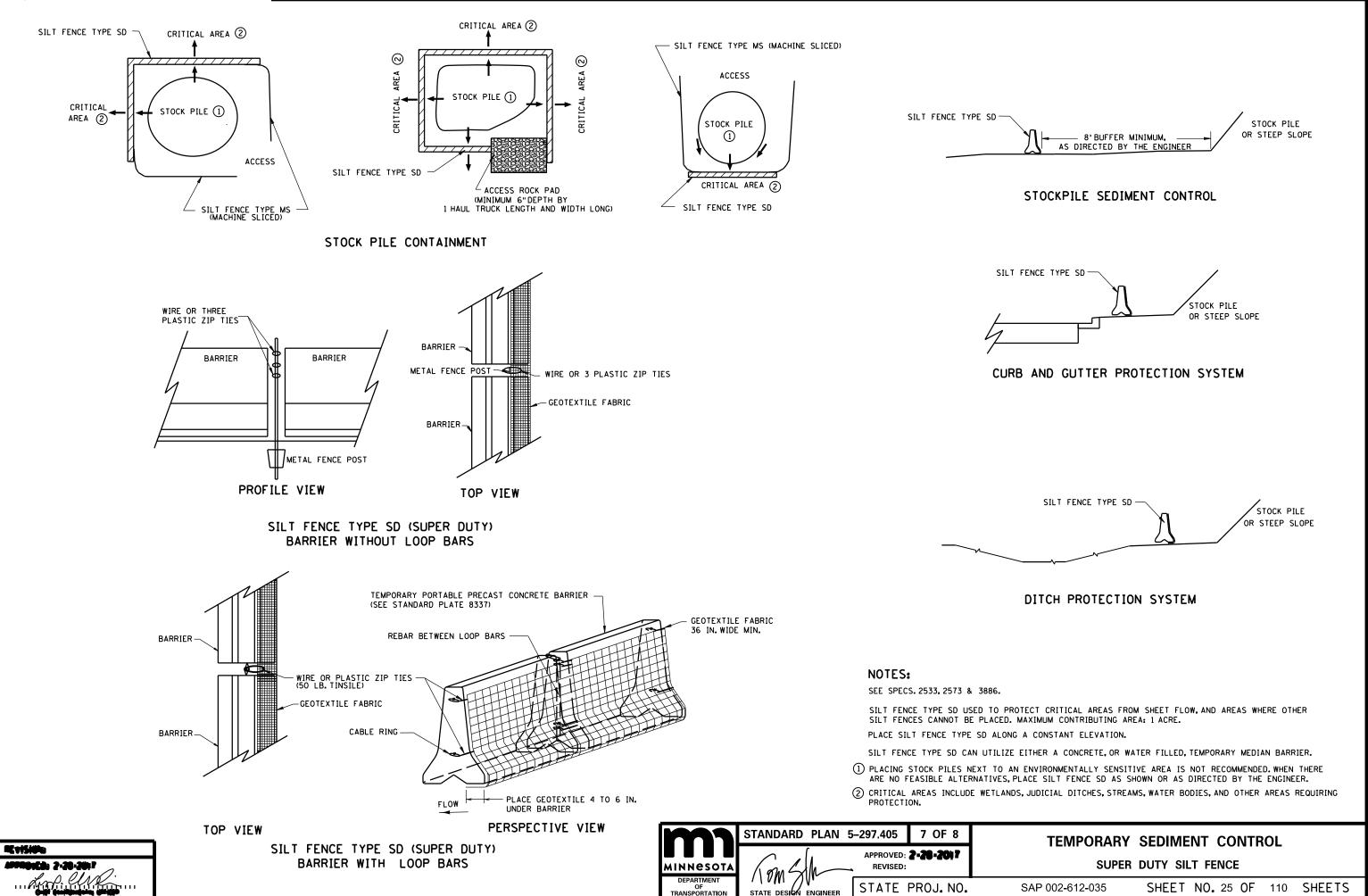
STABILIZED CONSTRUCTION EXIT

SAP 002-612-035

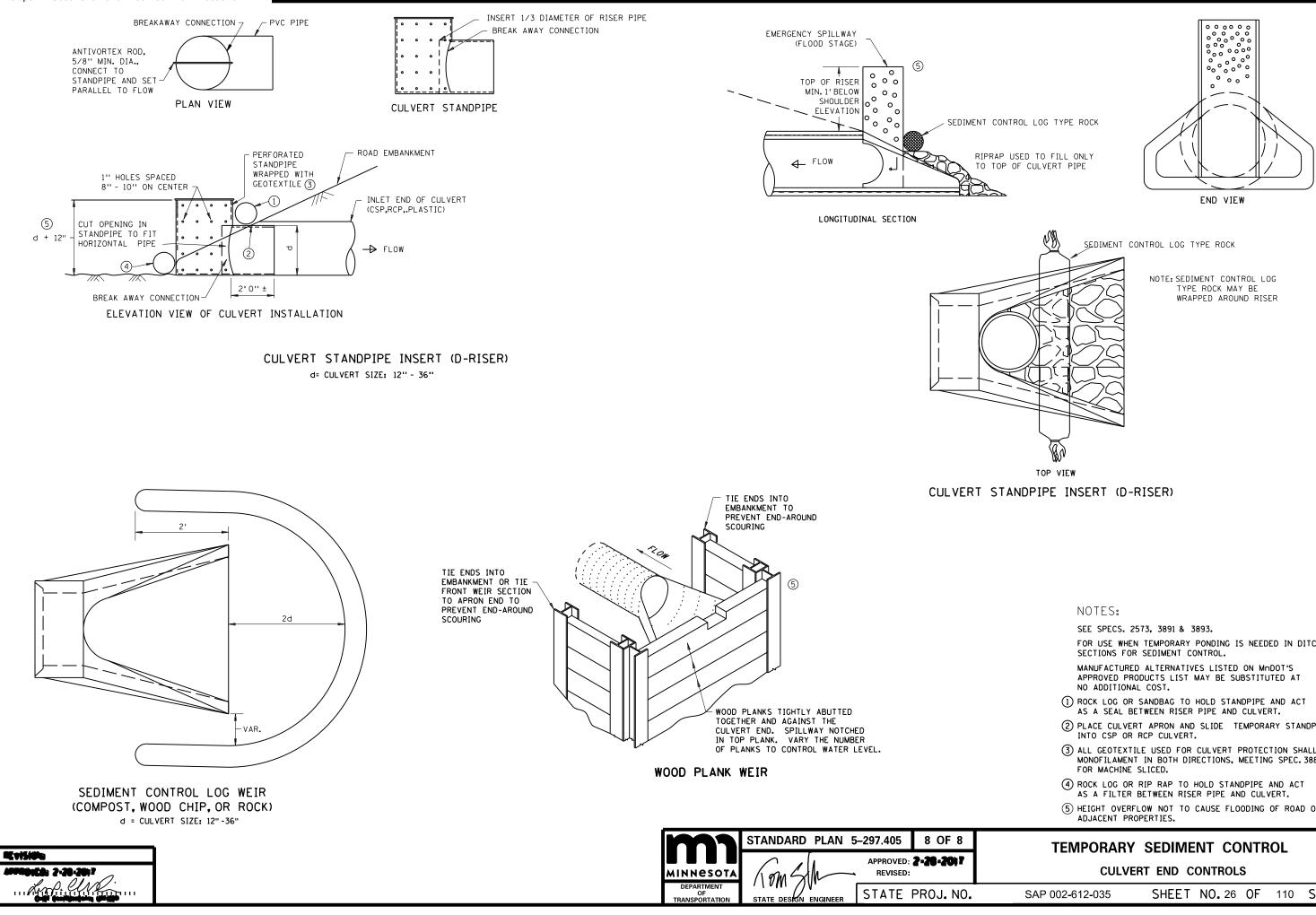
SHEET NO. 23 OF 110 SHEETS



LT FENCE NEAR TOE OF OPE AND OUTSIDE OF INSTRUCTION LIMITS I:6 TYPICAL
LOCATION AT TOE OF ROADWAY EMBANKMENT
:
CS. 2573, 3149 & 3886.
FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.
ECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 1 ACRE.
ECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 0.25 ACRE.
DURSE FLOW VELOCITY: STANDING. JTING SLOPE AREA: 1./2 ACRE.
OURSE FLOW VELOCITY: 1 TO 7 FT./SEC. JTING SLOPE AREA: 1. ACRE.
OURSE FLOW VELOCITY: 8 TO 15 FT./SEC. JTING SLOPE AREA: 3 ACRES.
TEMPORARY SEDIMENT CONTROL
SILT FENCE
SAP 002-612-035 SHEET NO. 24 OF 110 SHEETS

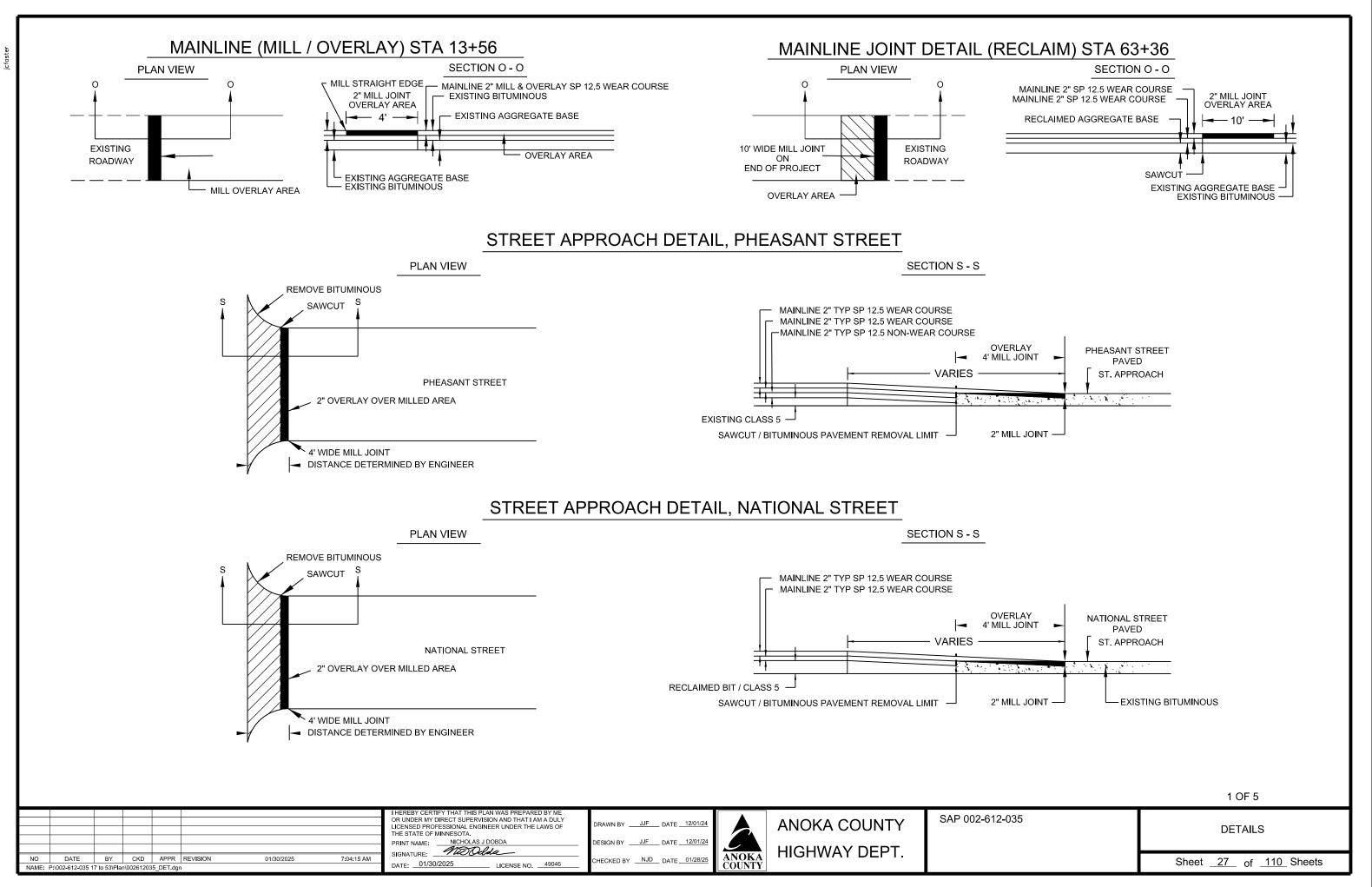


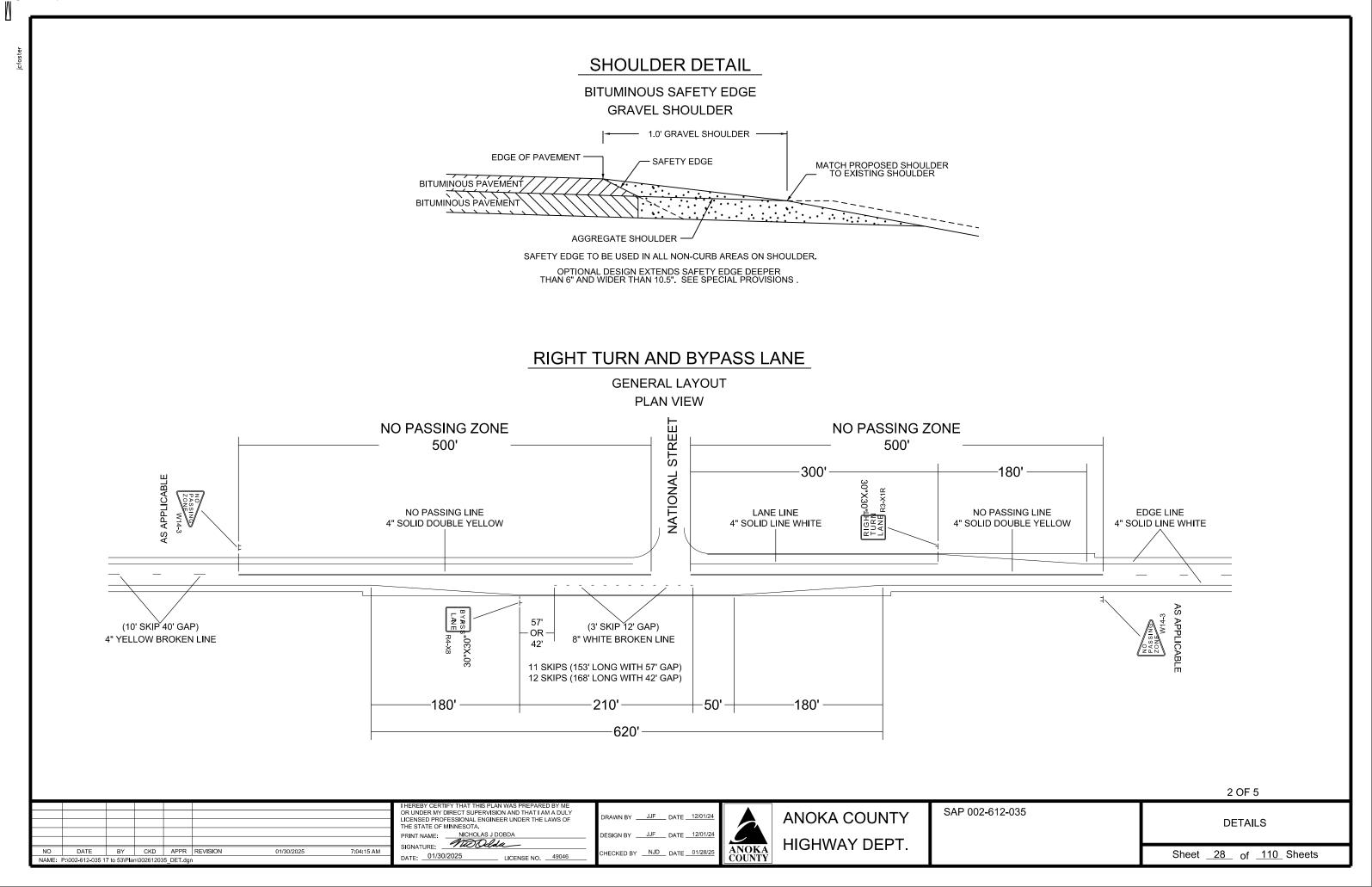
DISTRICT *: IPLOT NAME: \$\$@IPLOT\$NAME@\$\$ PATH & FILFNAME. PNOD26120;

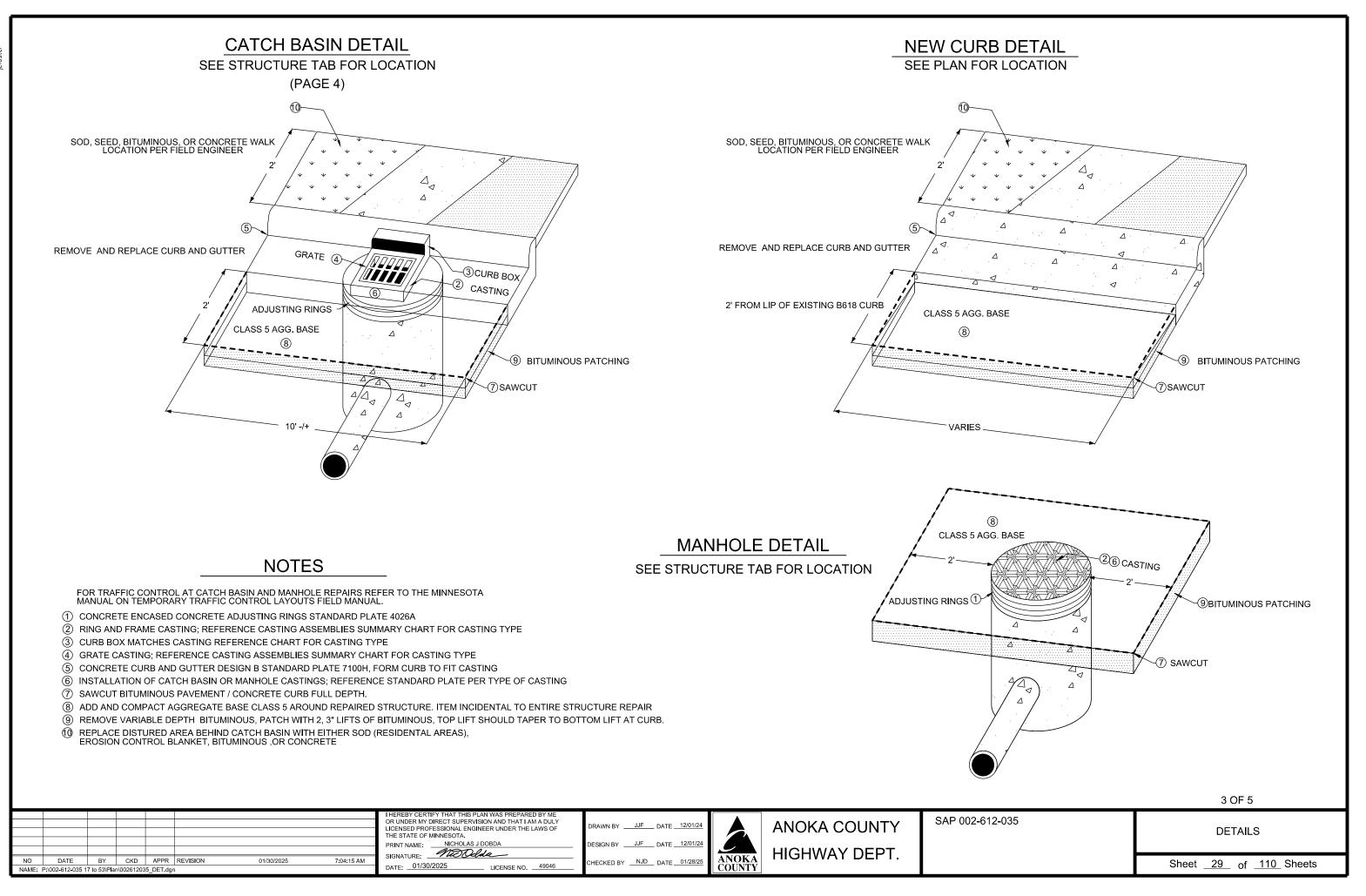


FOR USE WHEN TEMPORARY PONDING IS NEEDED IN DITCH (2) PLACE CULVERT APRON AND SLIDE TEMPORARY STANDPIPE INTO CSP OR RCP CULVERT. (3) ALL GEOTEXTILE USED FOR CULVERT PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886 (5) HEIGHT OVERFLOW NOT TO CAUSE FLOODING OF ROAD OR

SHEET NO. 26 OF 110 SHEETS

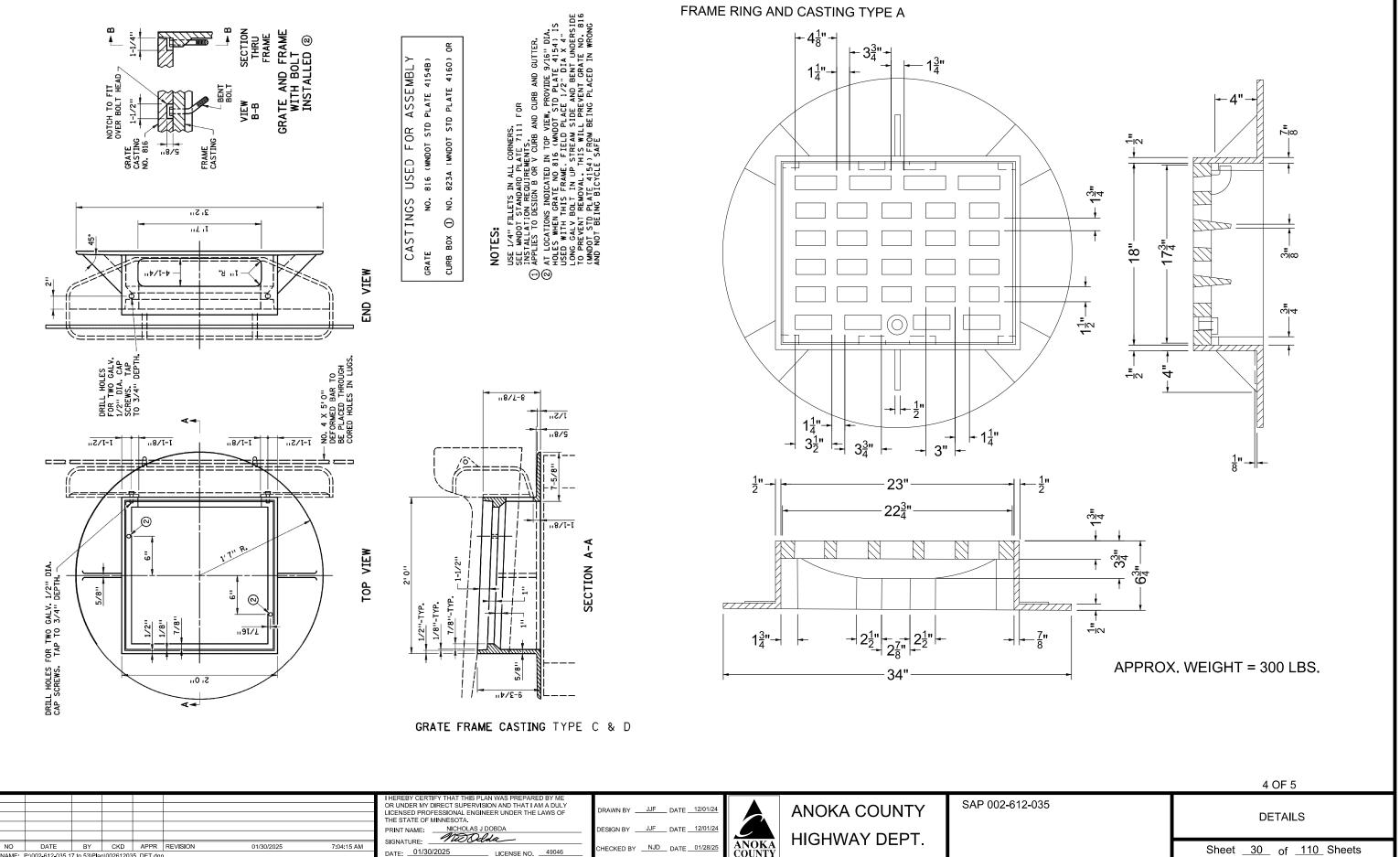






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ANOKA COUNTY DATE BY CKD APPR REVISION 01/30/2025 7:04:15 AM HECKED BY NJD DATE 01/28/25 DATE: 01/30/2025 NAME: P:\002-612-035 17 to 53\Plan\002612035_DET.dgn

MEDIAN SIGN INSTALLATION ONLY

MEDIAN SIGN INSTALLATION ONLY

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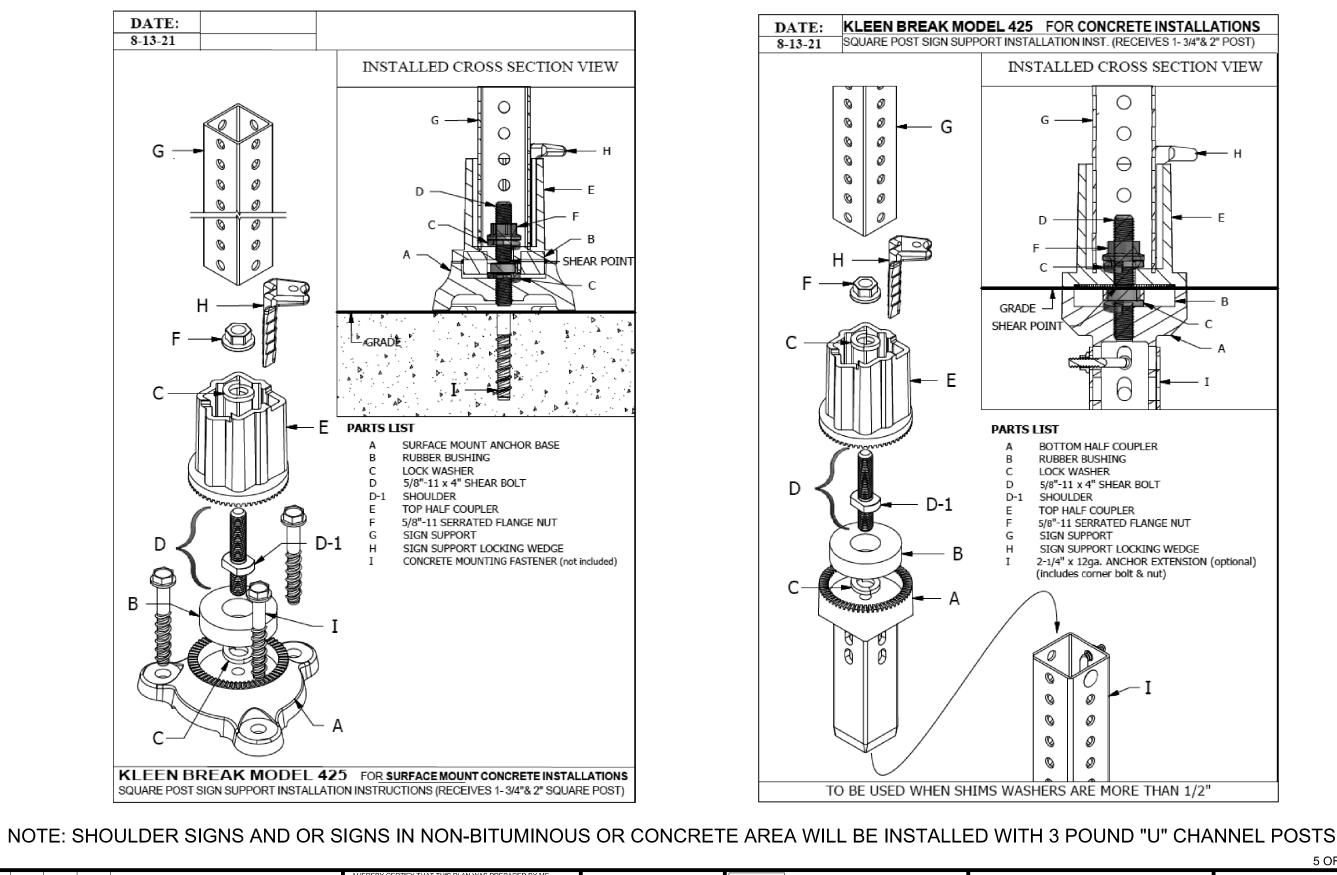
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SAP 002-612-035 OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY ANOKA COUNTY _____JJF ___ DATE ____12/01/24 RAWN BY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: NICHOLAS J DOBDA DESIGN BY JJF DATE 12/01/2 MiDOdda HIGHWAY DEPT. SIGNATURE: ANOKA COUNTY BY CKD APPR REVISION 01/30/2025 7:04:17 AM DATE NO HECKED BY NJD DATE 01/28/25 DATE: 01/30/2025 LICENSE NO. 49046 NAME: P:\002-612-035 17 to 53\Plan\002612035 DET dgn

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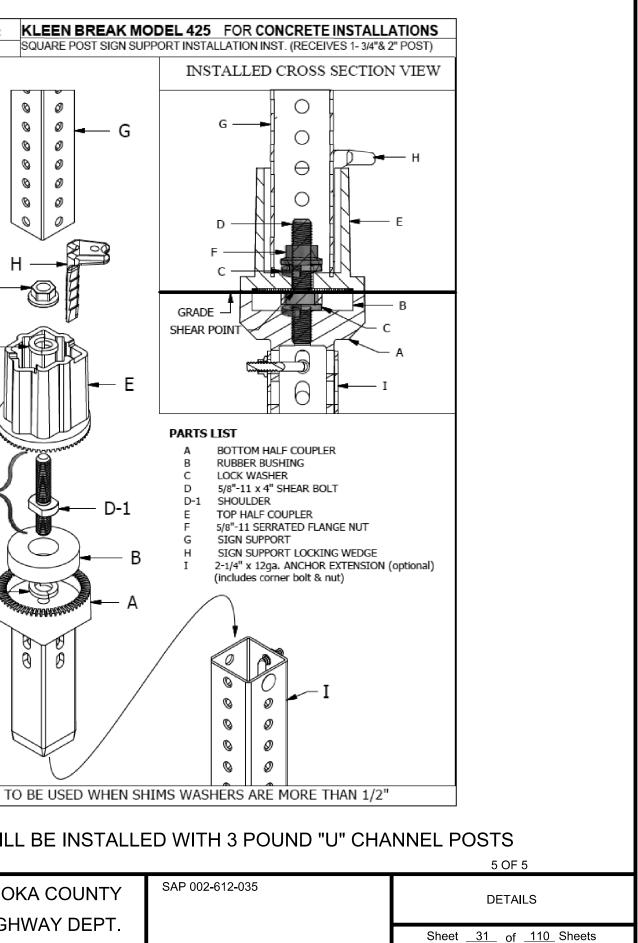
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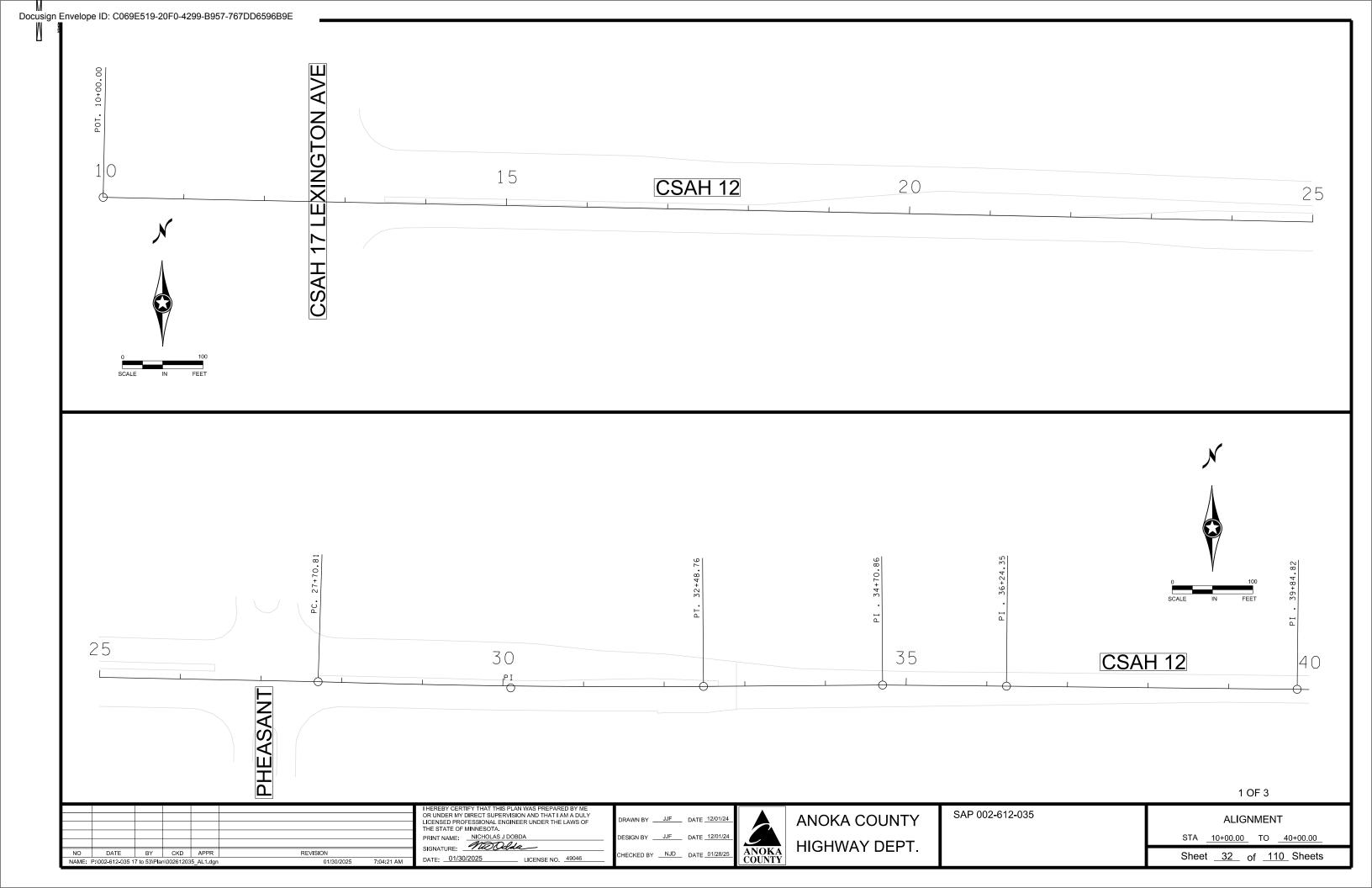
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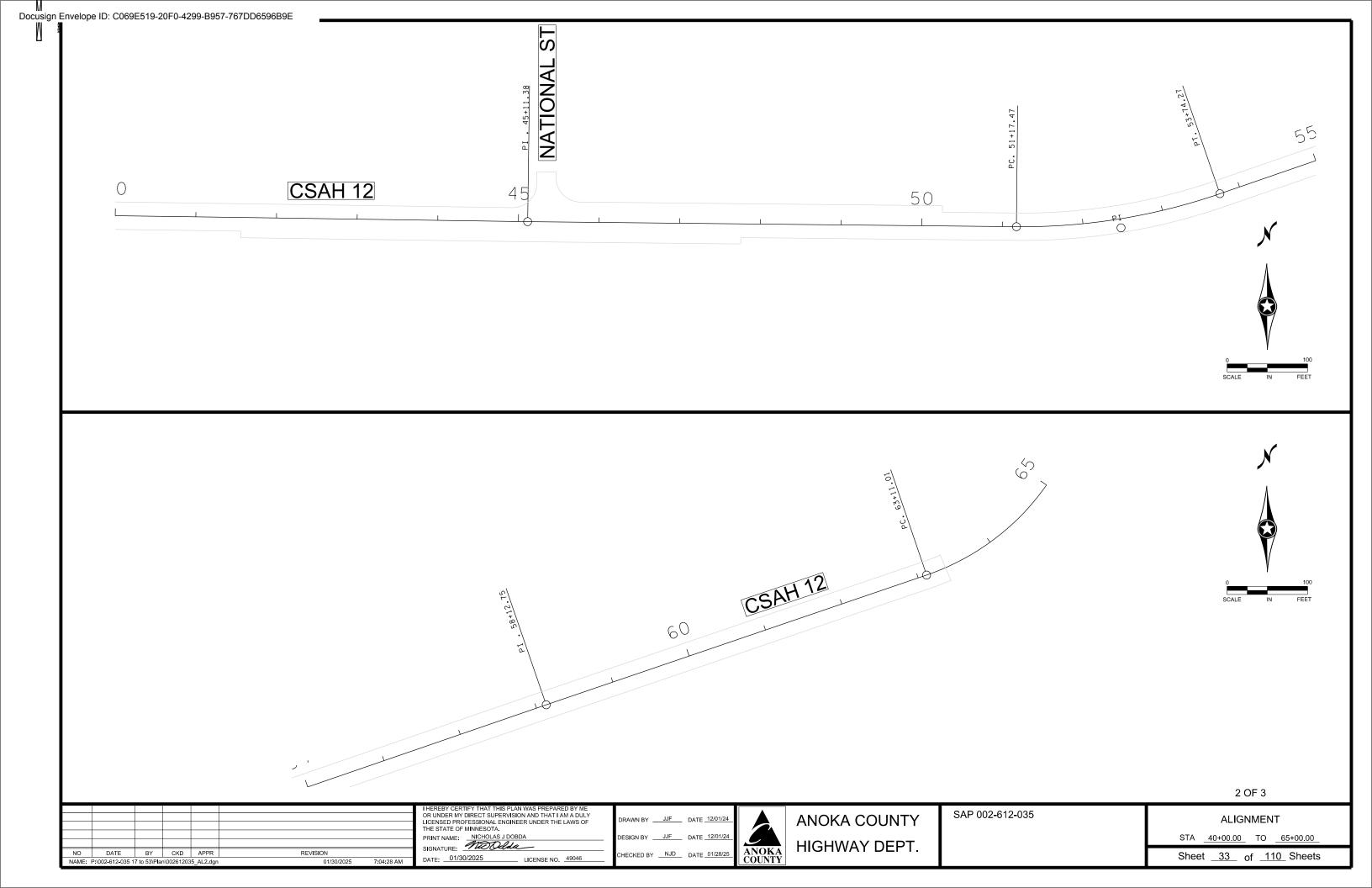
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nvelope ID: C069E519-20F0-4299-B957-767DD6596B9E	PT. 14+31-12A SUMSET AUE PRC. 13	N N						
	PC. 71+56.08	0 SCALE IN	100 FEET		[
	.56.08				POINT NUMBER	POINT	STATION	
	PC. 711						.H. 12 <	
					500	POT	10+00.000	
						PC	27+70.809	00 4010
					ALIRD5 1	PI CC	30+09.817	2° 13' 3
	$\overline{1}$				501	PT POT	32+48.765 34+70.863	
					502	POT	36+24.354	
دې.					503 504	POT POT	39+84.823 45+11.383	
P1. 70*59.65						PC	51+17.467	
P1.	P 1				ALIRD5 2	PI CC	52+47.140	19° 37'
						PT	53+74.273	
					505	POT PC	58+12.751 63+11.012	
	CSAH 12				ALIRD5 3	PI	66+53.216	97° 31'
				AREA OUTSIDE PROJECT LIMITS		CC PT	68+21.625	
					506	POT	70+59.653	
					ALIRD5 4	PC Pl	71+56.081 72+77.487	88° 57' 4
	b					СС		
	PT. 68+21.63	Ą				PRC PRC	73+48.031 73+48.031	
	68+21.0				ALIRD5 5	PI	73+89.686	7° 01' 0
	P1.					CC PT	74+31.236	
	6							
		ERTIFY THAT THIS PLAN WAS PREPARED BY ME VY DIRECT SUPERVISION AND THAT I AM A DULY				/ N -		T \/
	LICENSED P THE STATE	ROFESSIONAL ENGINEER UNDER THE LAWS OF OF MINNESOTA.	DRAWN BY DATE12/01/24		ANO	(A (COUN	ΙY
NO DATE BY CKD APPR REVI	SIGNATURE	NICHOLAS J DOBDA	DESIGN BY DATE		HIGH	WA	Y DEF	PT.
NO DATE BY CKD APPR REVI NAME: P:002-612-035 T to 53\Plan\002612035_AL3.dgn REVI	01/30/2025 7:04:29 AM DATE: 01	/30/2025 LICENSE NO. 49046	CHECKED BY <u>NJD</u> DATE <u>01/28/28</u>	COUNTY				

ፍ C.S.A.H. 12 <ALIRD5>
 POT
 10+00.000

 PC
 27+70.809
 00 RD5 1 PI 30+09.817 2° 13' 38.97" LT 0° 27' 57.76" CC PT 32+48.765 POT 34+70.863 POT 36+24.354 POT 39+84.823 POT 45+11.383)4
 PC
 51+17.467
 Pl

 RD52
 PI
 52+47.140
 19° 37' 06.64" LT
 7° 38' 21.97"

 CC

 PT 53+74.273 POT 58+12.751)5 PC 63+11.012 RD5 3 PI 66+53.216 97° 31' 11.84" LT 19° 05' 54.94" CC PT 68+21.625 POT 70+59.653 PC 71+56.081 D5 4 PI 72+77.487 88° 57' 47.54" RT 46° 20' 48.89" CC C PRC 73+48.031 PRC 73+48.031 D5 5 PI 73+89.686 7° 01' 03.31" LT 8° 26' 02.63" CC PT 74+31.236

DELTA

SAP 002-612-035

ALIGNMENT TABULATION											
CIRCULAR	CURVE DATA	4		COORD	INATES	AZIMUTH					
DEGREE	RADIUS	TANGENT	LENGTH	E	N	AZIMOTT					
				526,448.0554	148,287.2242						
				528,218.4984	148,251.2326	S 88° 11' 28.61" E					
0° 27' 57.76"	12,294.030'	239.008'	477.956'	528,457.3873	148,243.6888	PI					
				528,606.5331	160,539.1374						
				528,696.3889	148,245.4357	N 89° 34' 52.42" E					
				528,918.4810	148,247.0590						
				529,071.9670	148,245.7740						
				529,432.4140	148,241.8070						
				529,958.9200	148,234.2310						
				530,564.9712	148,227.9225	S 89° 24' 13.02" E					
7° 38' 21.97"	750.000'	129.672'	256.806'	530,694.6365	148,226.5728	PI					
				530,572.7777	148,977.8819						
				530,817.2277	148,268.8373	N 70° 58' 40.34" E					
				531,231.7620	148,411.7520						
				531,703.3589	148,572.5617	N 71° 10' 16.15" E					
19° 05' 54.94"	300.000'	342.205'	510.613'	532,027.2511	148,683.0056	PI					
				531,606.5362	148,856.5078						
				531,875.3688	148,989.6581	N 26° 20' 55.69" W					
				531,769.7237	149,202.9572						
				531,729.2476	149,290.4781	N 25° 56' 10.67" W					
46° 20' 48.89"	123.624'	121.407'	191.951'	531,676.1477	149,399.6568	PI					
				531,840.4200	149,344.5476						
				531,784.3478	149,454.7235	N 63° 01' 36.87" E					
				531,784.3478	149,454.7235	N 66° 02' 54.92" E					
8° 26' 02.63"	679.338'	41.655'	83.205'	531,822.4156	149,471.6337	PI					
				531,508.5626	150,075.5636						
				531,858.1323	149,493.0682	N 59° 01' 51.62" E					

3 OF 3

	ALIGI	NMENT	-	
STA	65+00.00	то	74+31.24	
Sheet		of <u>11</u>	<u>)</u> Sheets	

DATE

NAME: P \002-612-035 17 to 53\Plan\002612035_TYP dgr

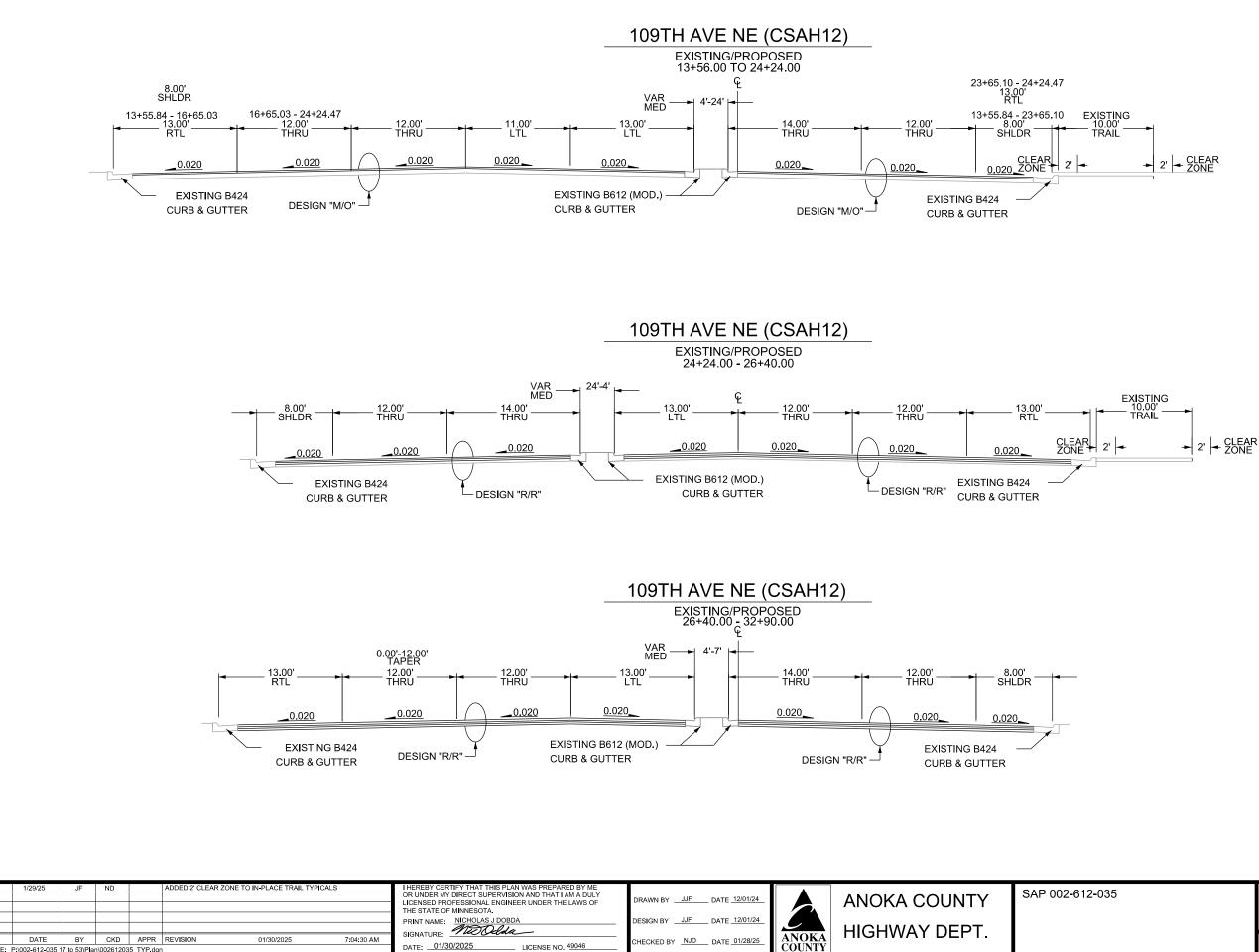
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BY CKD APPR REVISION

01/30/2025

DATE: 01/30/2025

LICENSE NO. 49046



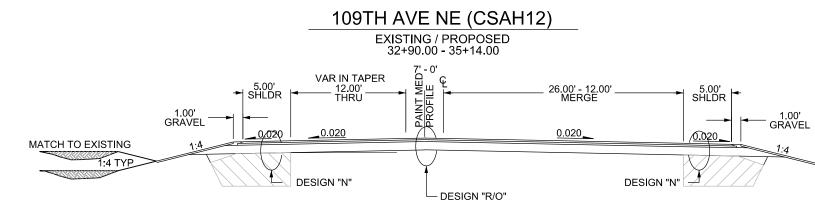
HECKED BY NJD DATE 01/28/25

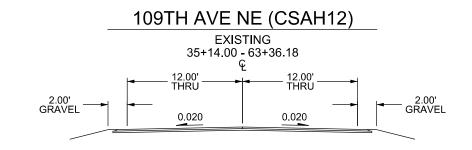


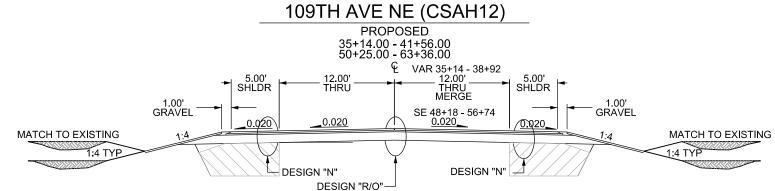
TYPICAL SECTIONS

Sheet 35 of 110 Sheets

ster







								I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME				
								OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY	DRAWN BY DATE		ANOKA COUNTY	SAP 002-612-0
								LICENSED FROFESSIONAL ENGINEER UNDER THE LAWS OF	DRAWN BT DATE		ANOKA COUNTY	
								THE STATE OF MINNESOTA.				
								PRINT NAME: NICHOLAS J DOBDA	DESIGN BY DATE			
								SIGNATURE: MDOdda		ANOKA	HIGHWAY DEPT.	
NO	DATE	BY	CKD	APPR	REVISION	01/30/2025	7:04:30 AM		CHECKED BY NJD DATE 01/28/25	ANOKA		
NAME:	P:\002-612-035	17 to 53\Pla	in\0026120	35_TYP.dg	n			DATE: 01/30/2025 LICENSE NO. 49046		COUNTY		

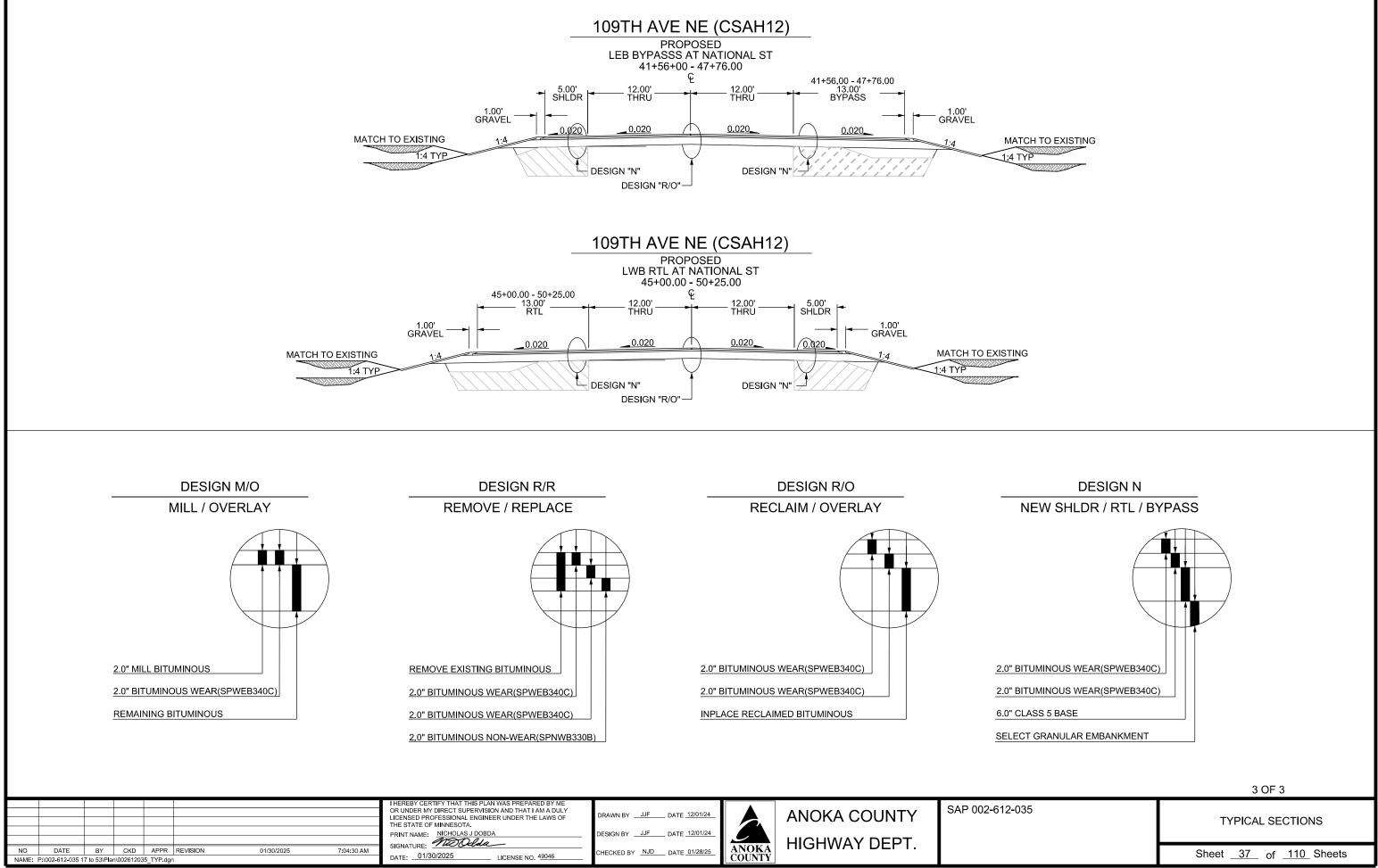
MATCH TO EXISTING 1:4 TYP

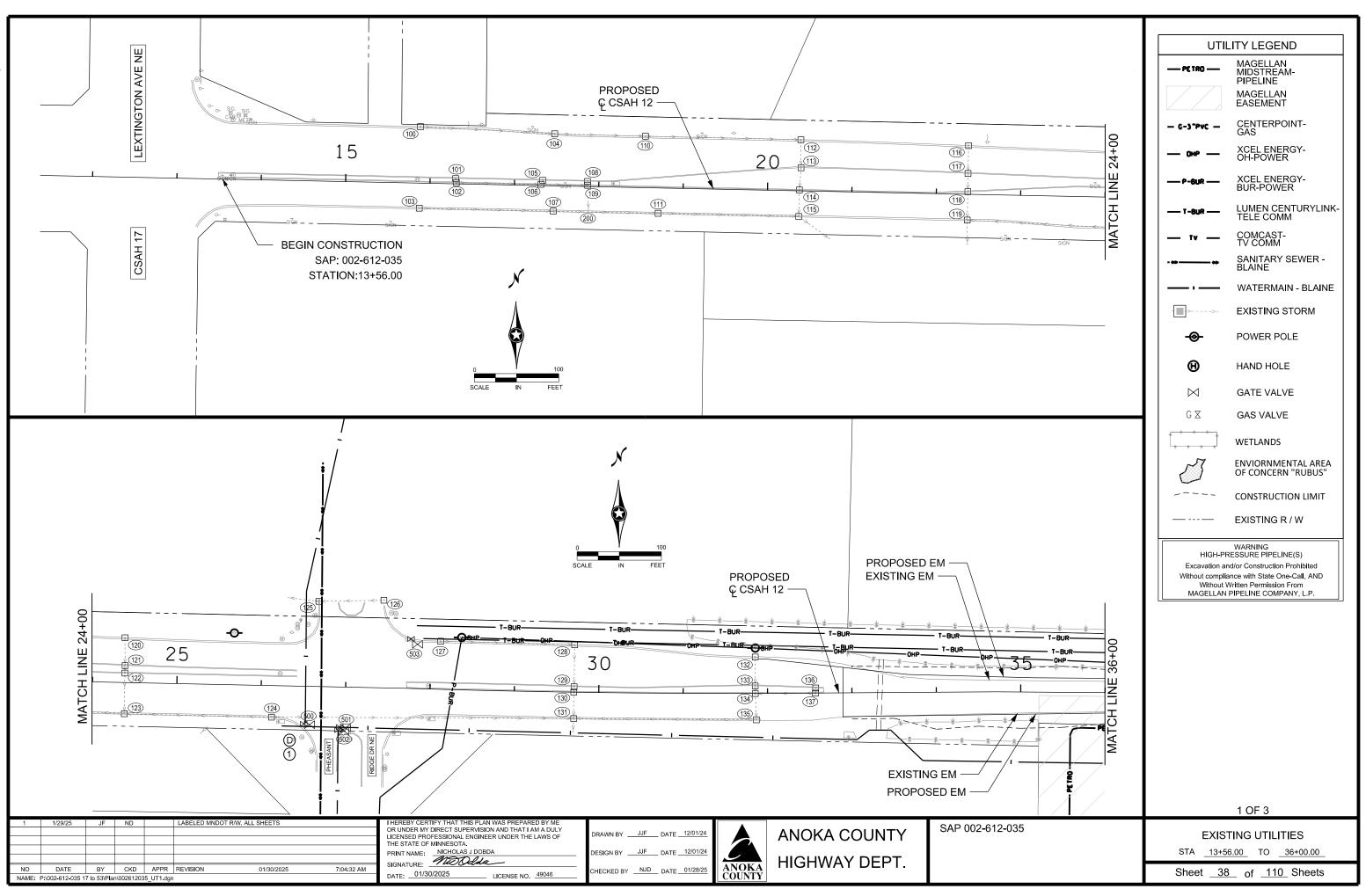
TYPICAL SECTIONS

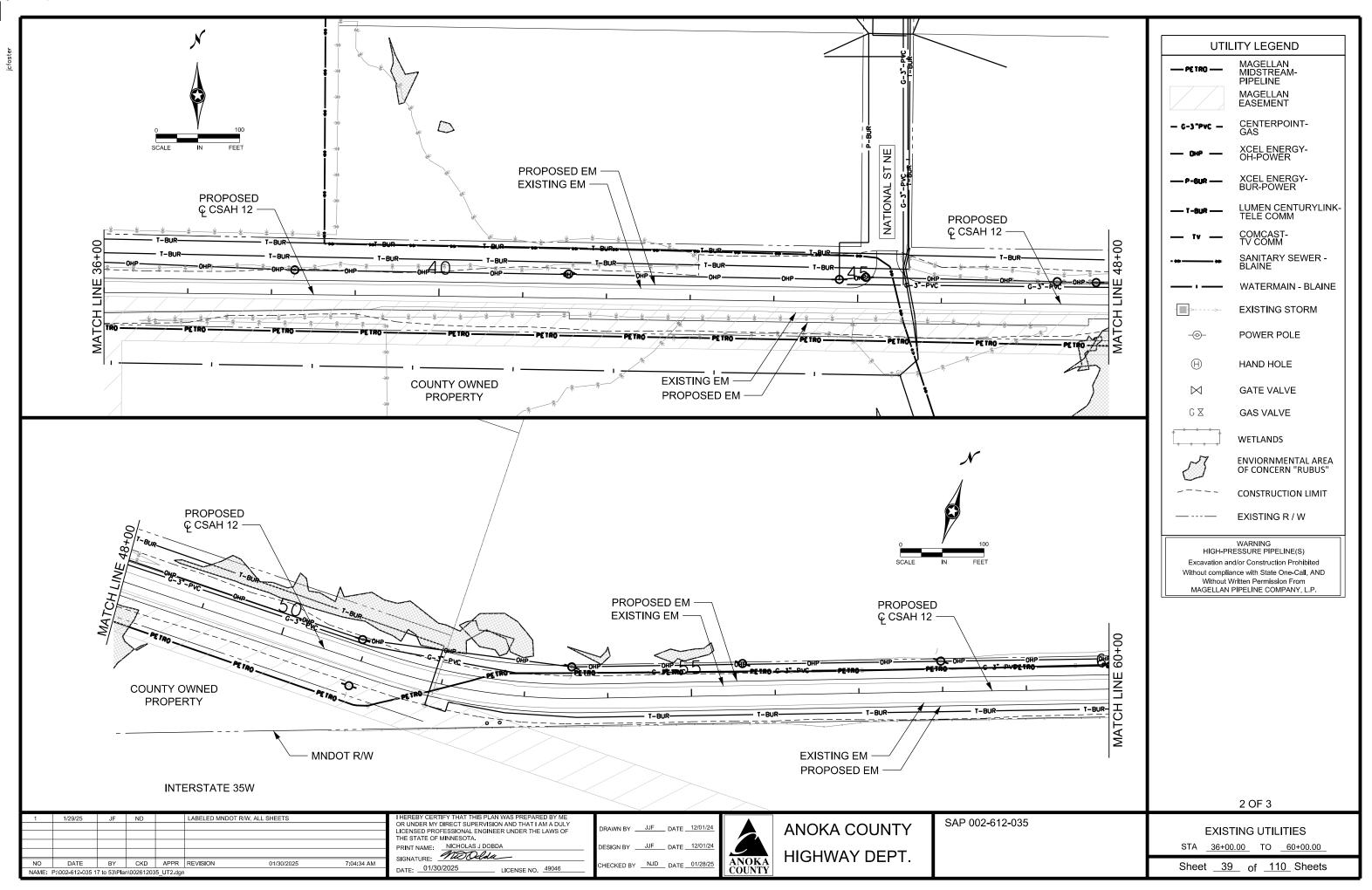
2 OF 3

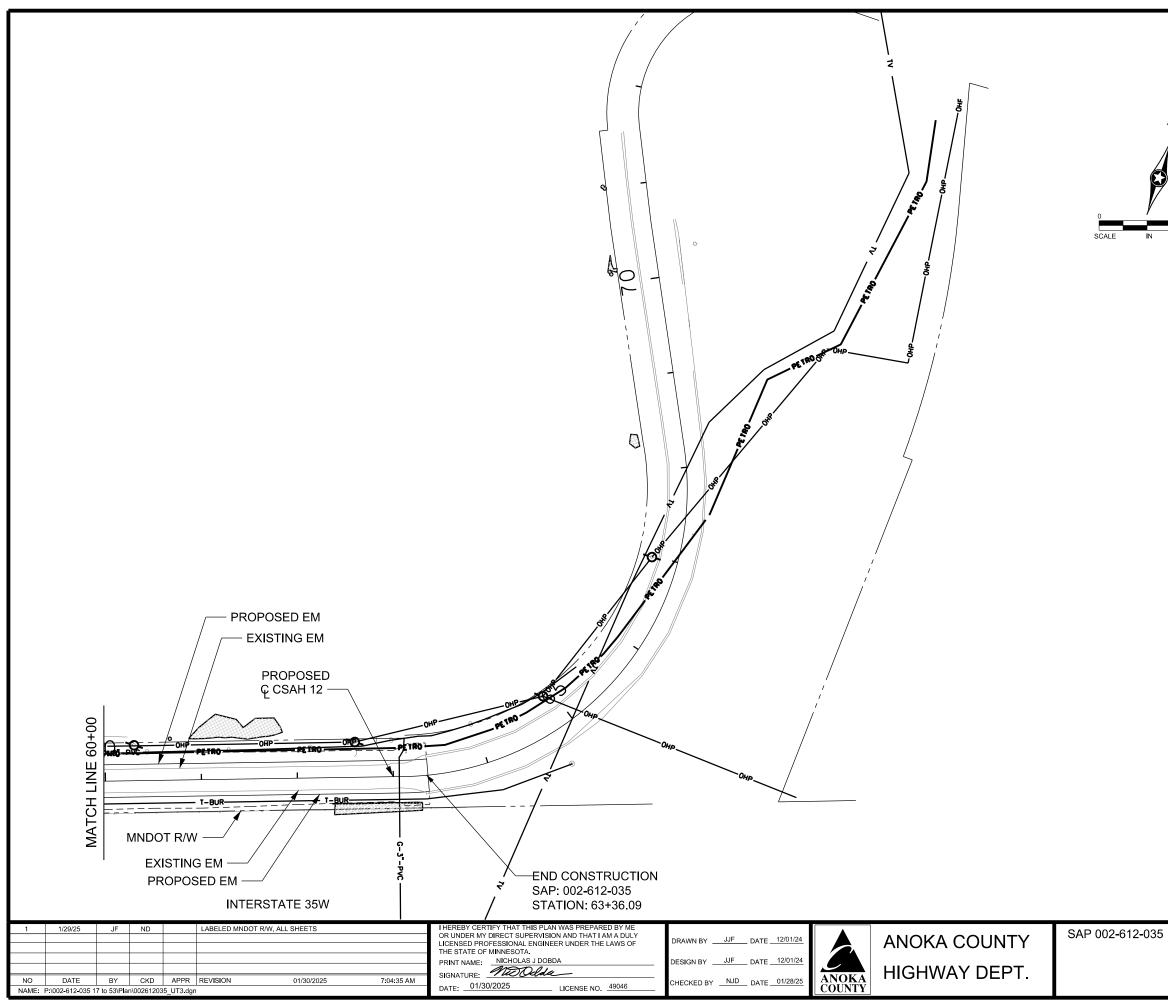
Sheet 36 of 110 Sheets

2-035



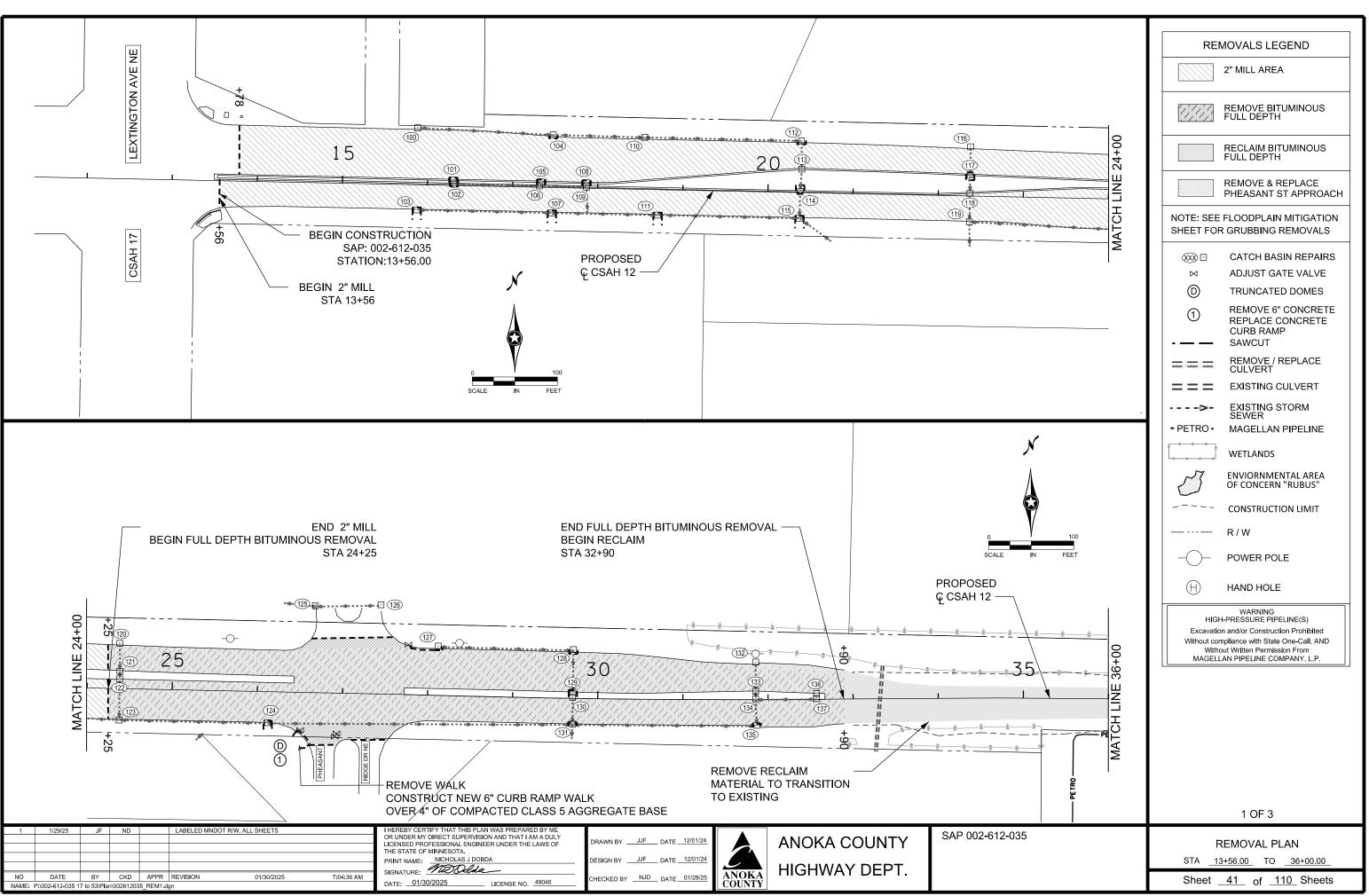


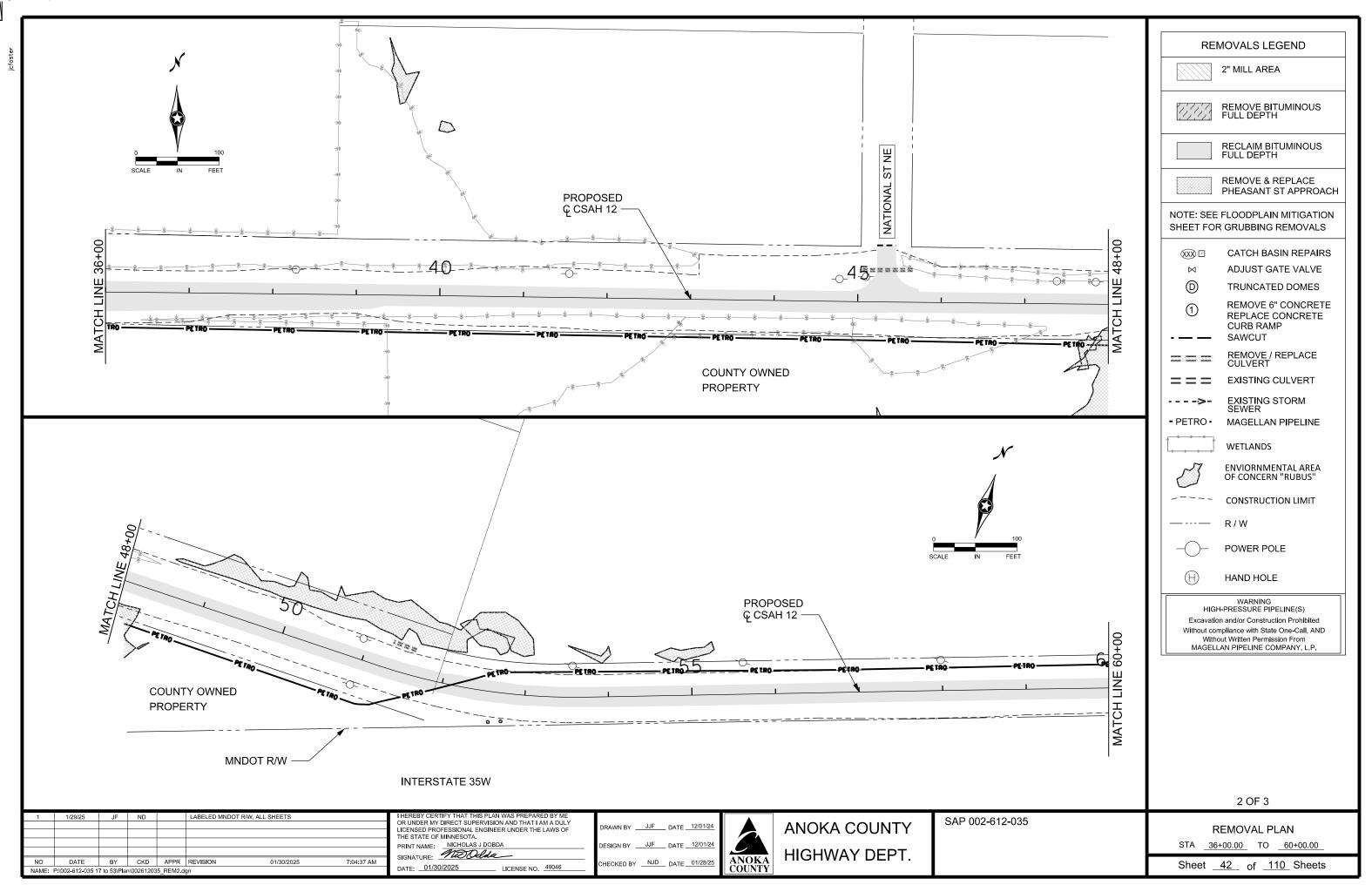


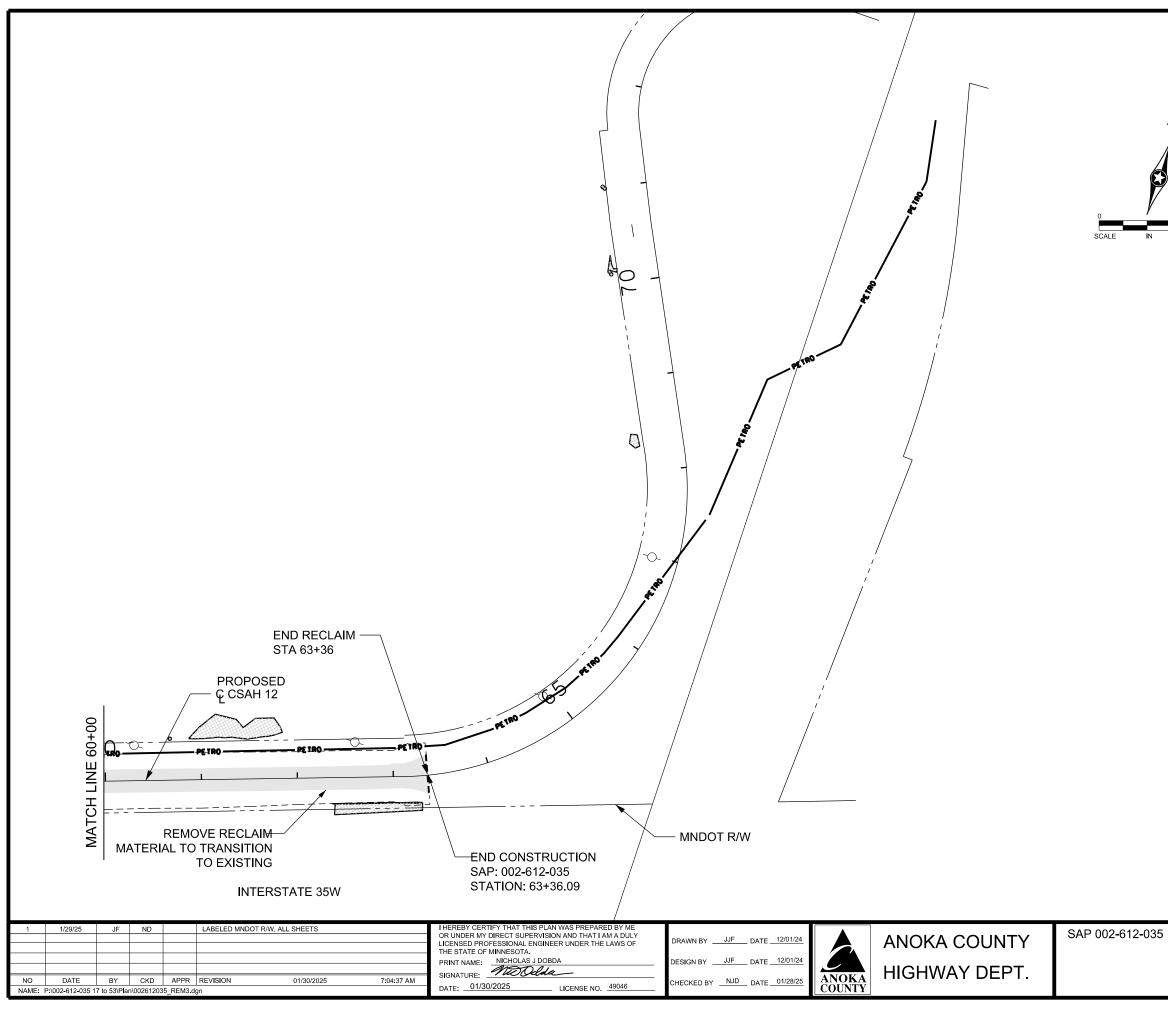




-	
	LITY LEGEND MAGELLAN
	MIDSTREAM- PIPELINE MAGELLAN
	EASEMENT
— G-3"PVC —	CENTERPOINT- GAS
— OHP —	XCEL ENERGY- OH-POWER
P-6UR	XCEL ENERGY- BUR-POWER
T-8UR	LUMEN CENTURYLINK- TELE COMM
- TV	COMCAST- TV COMM
	SANITARY SEWER - BLAINE
	WATERMAIN - BLAINE
	EXISTING STORM
	POWER POLE
θ	HAND HOLE
\bowtie	GATE VALVE
GΧ	GAS VALVE
	WETLANDS
S	ENVIORNMENTAL AREA OF CONCERN "RUBUS"
	CONSTRUCTION LIMIT
	EXISTING R / W
Excavation an Without complia Without V	WARNING RESSURE PIPELINE(S) nd/or Construction Prohibited ance with State One-Call, AND Written Permission From PIPELINE COMPANY, L.P.
	3 OF 3
	TING UTILITIES 00.00 TO63+36.09
Sheet 4	0_ of <u>110</u> Sheets









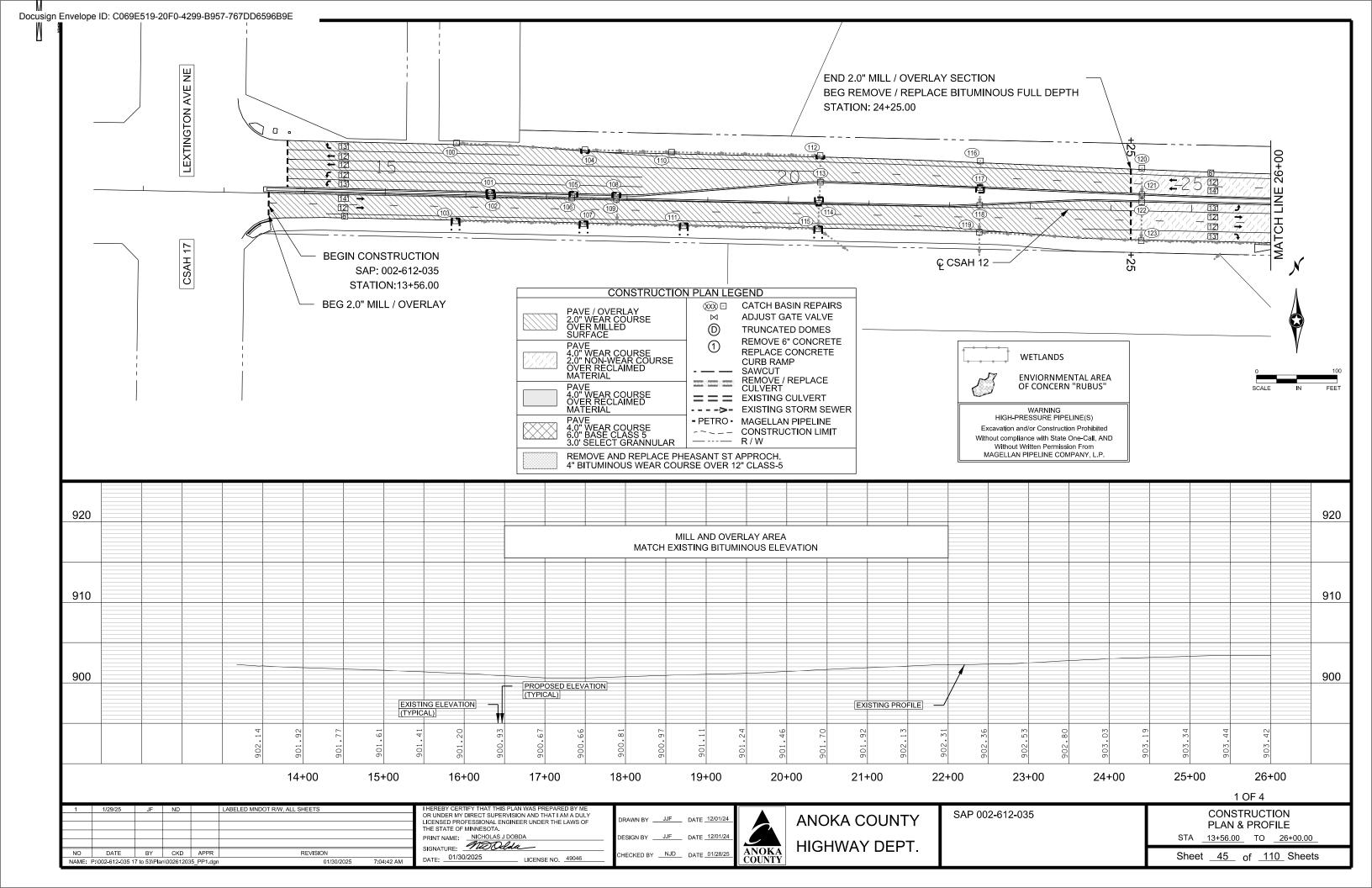
REMOVALS LEGEND
2" MILL AREA
REMOVE BITUMINOUS FULL DEPTH
RECLAIM BITUMINOUS FULL DEPTH
REMOVE & REPLACE PHEASANT ST APPROACH
NOTE: SEE FLOODPLAIN MITIGATION SHEET FOR GRUBBING REMOVALS
CATCH BASIN REPAIRS
ADJUST GATE VALVE
D TRUNCATED DOMES
① REMOVE 6" CONCRETE REPLACE CONCRETE CURB RAMP - — — SAWCUT
>- EXISTING STORM SEWER
- PETRO - MAGELLAN PIPELINE
WETLANDS
ENVIORNMENTAL AREA OF CONCERN "RUBUS"
CONSTRUCTION LIMIT
— R/W
HAND HOLE
WARNING HIGH-PRESSURE PIPELINE(S)
Excavation and/or Construction Prohibited
Without compliance with State One-Call, AND Without Written Permission From MAGELLAN PIPELINE COMPANY, L.P.
3 OF 3
REMOVAL PLAN
STA <u>60+00.00</u> TO <u>63+36.09</u>
Sheet <u>43</u> of <u>110</u> Sheets

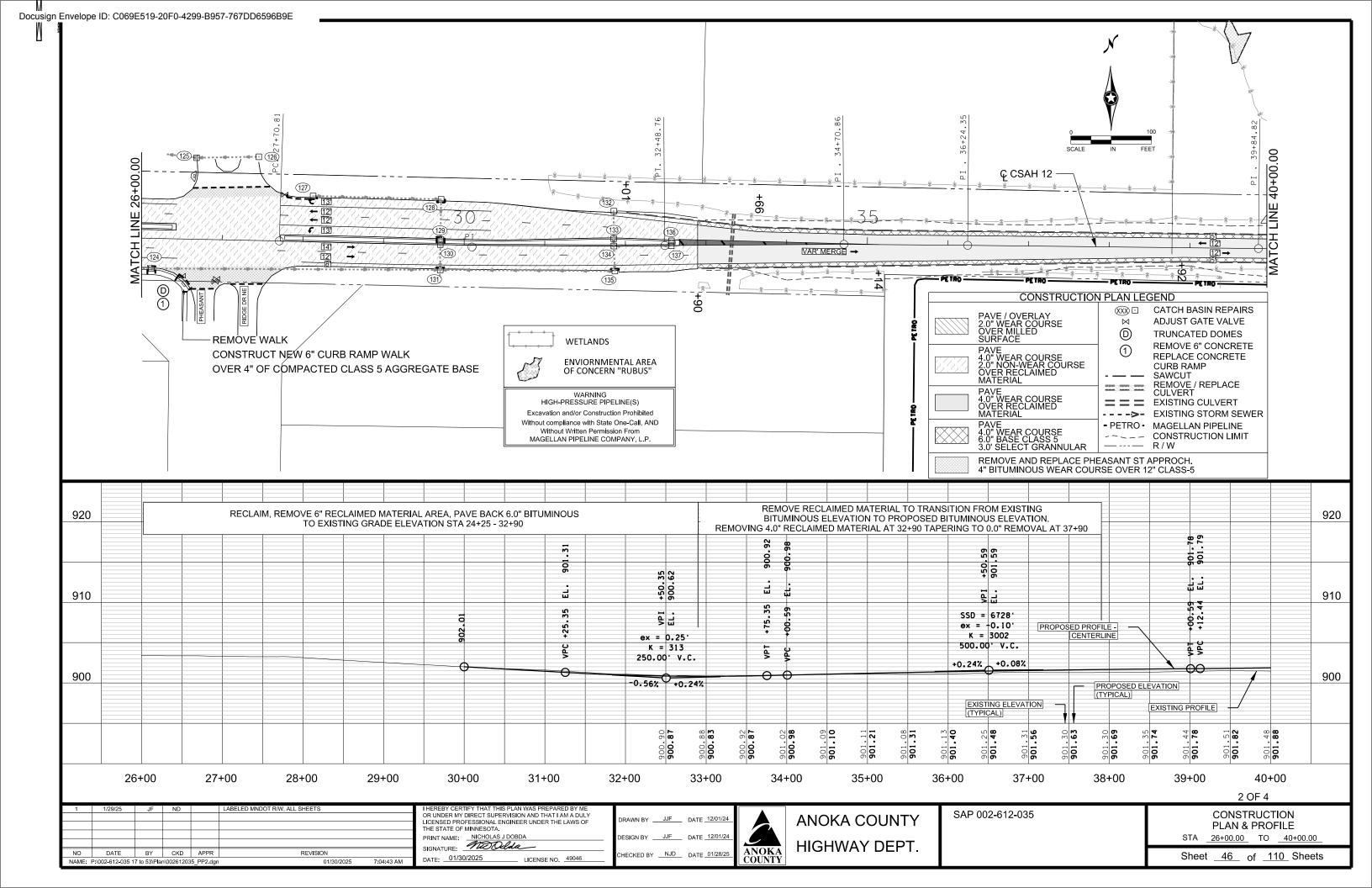
" FOR REFERENCE "

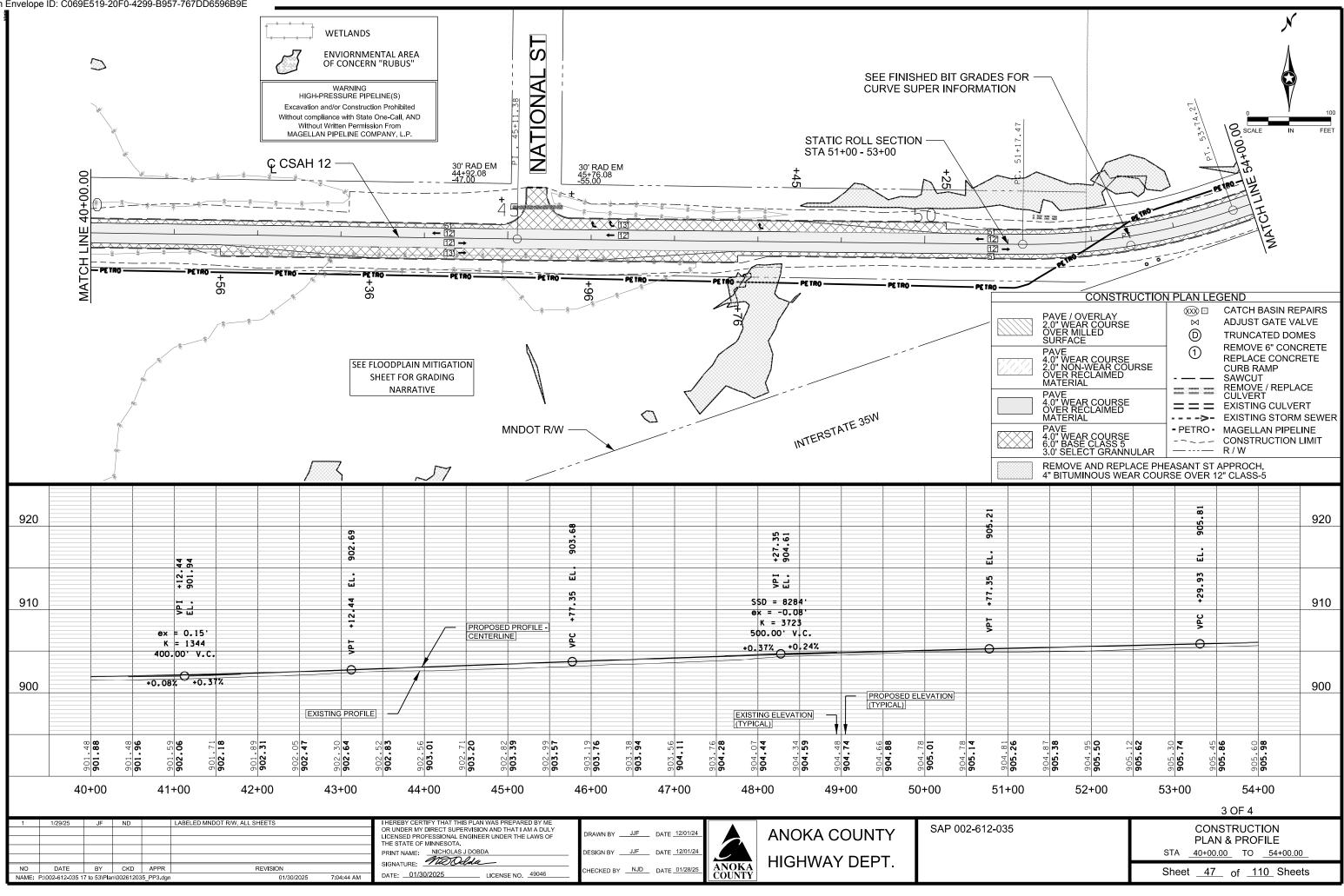
NUMBER	MH/CB?	CURB BOX?	CASTING TYPE	STRUCTURE TYPE	CASTING HT (IN)	RING HT	PIPES (PIPE SIZE; DIRECTION, INVERT)	GROUT?	
103	CB	Y	2×1.	H	. 7	্প	E ,12" ,3.76	<u>Alex de dive d</u>	ť
107	C&	×.	2×2	434020	· 7	.0	E, 15" 2, 340 11,12", 3.40	<u> </u>	t
200	MH	N	R	48-4020	.7	0	E, 24", 4.10, W. 15?, 4.10, N. 12, 4.10	*	Ť
111	CB	4	212	434020	, ` Т	.5	W, 24", 4.4, E, 24", 4.4		Ť
115	CB		222	60	Γ,	.4	SE, 30: 5.75, W124, 5.75 N, 157, 5.75	K	
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128	631	Y 🔬	2x2	484020		ما _	W112", 4.1, 5,12", 4.3		
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124	CB	Y	15×36		. 7	. le	W12"37 E,12",4,2,W12",4,2,	X	\downarrow
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114	CB	Y	2×2	404020	. 7	_ 4	N.15, 6.0, 5, 15, 6,2		
118	S	Ť	ZX2	484020	.7	.3	N. 12", 411, 3. 12", 4.35	× *	+
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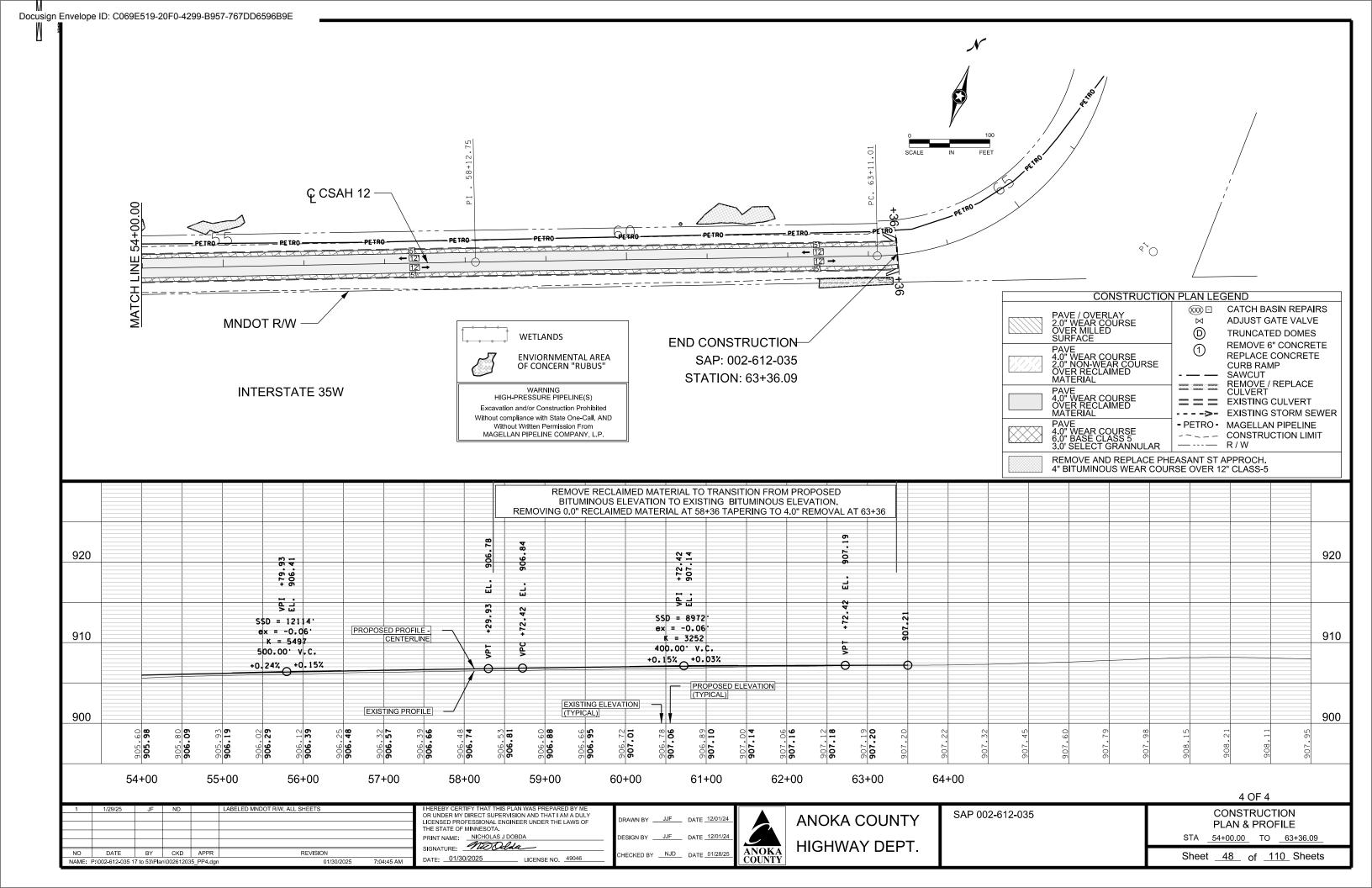
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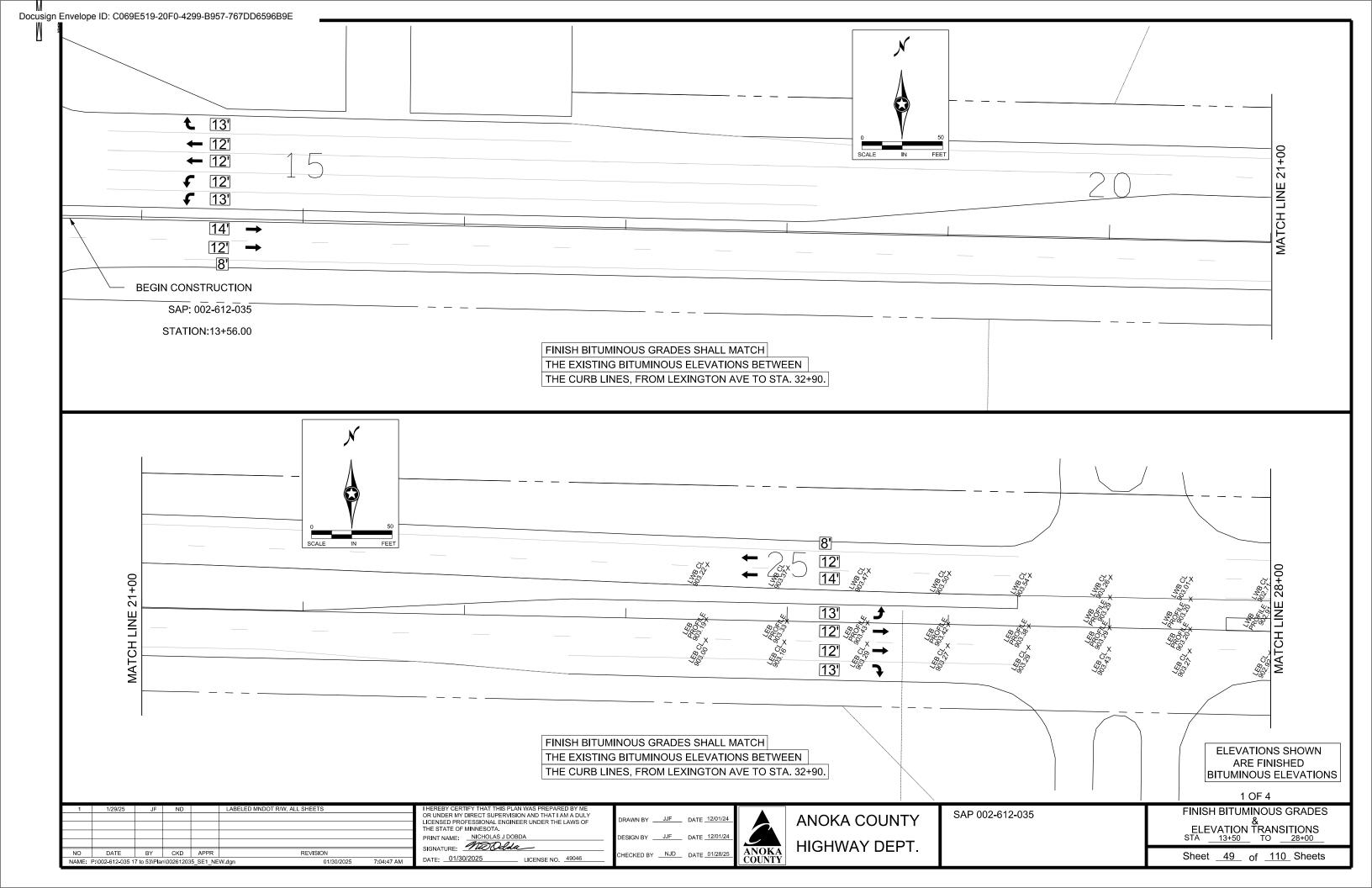
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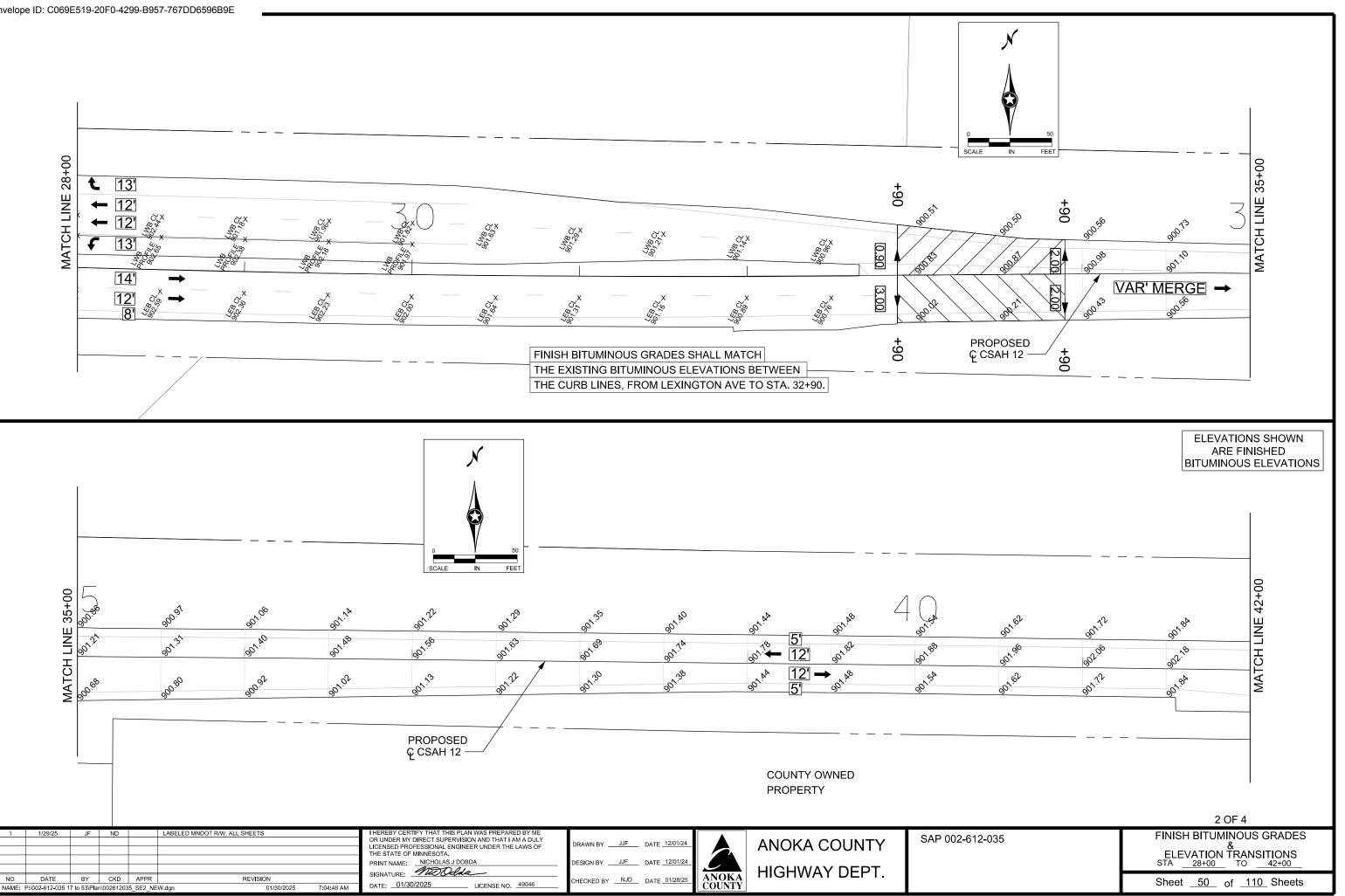


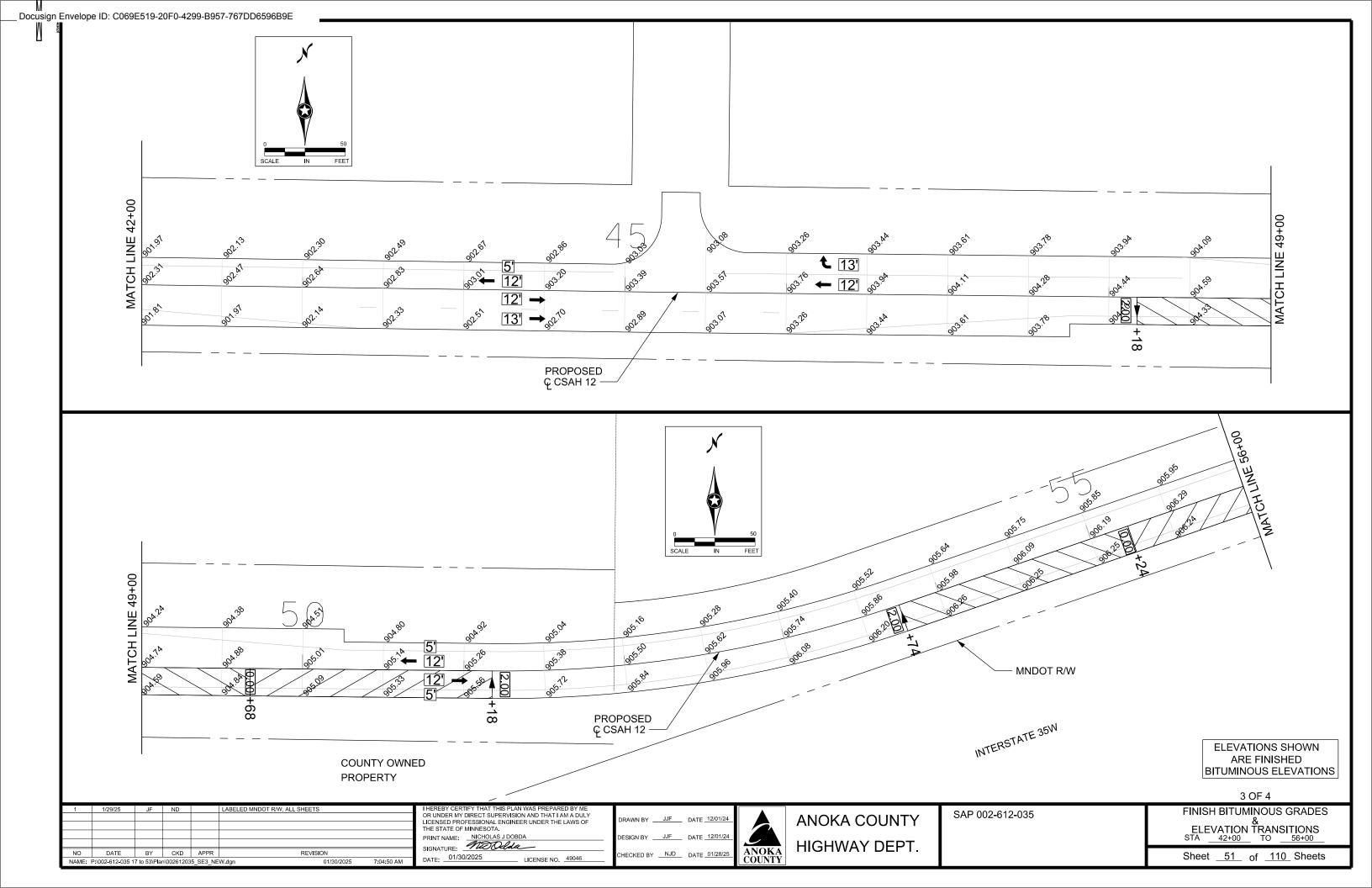






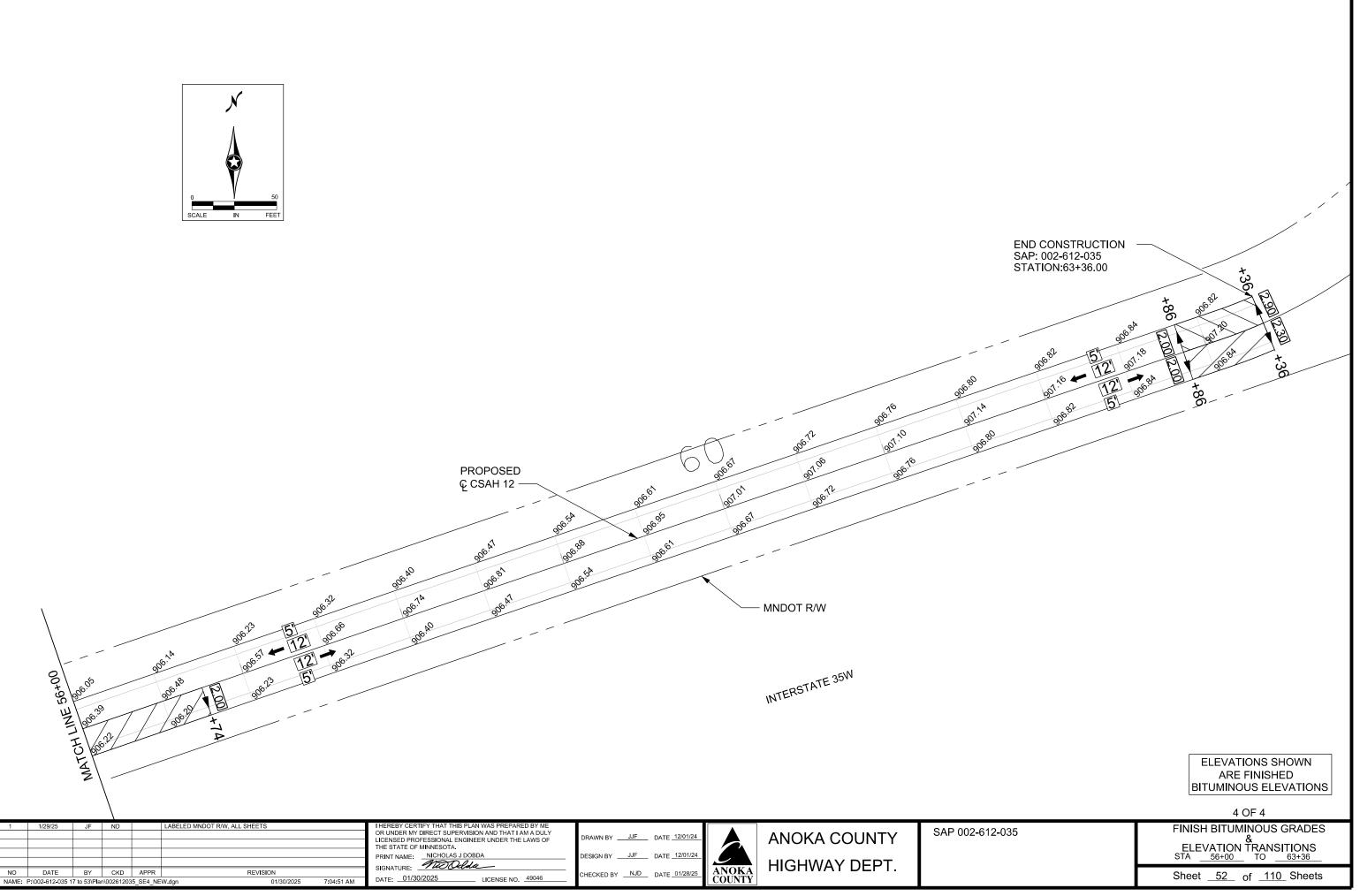
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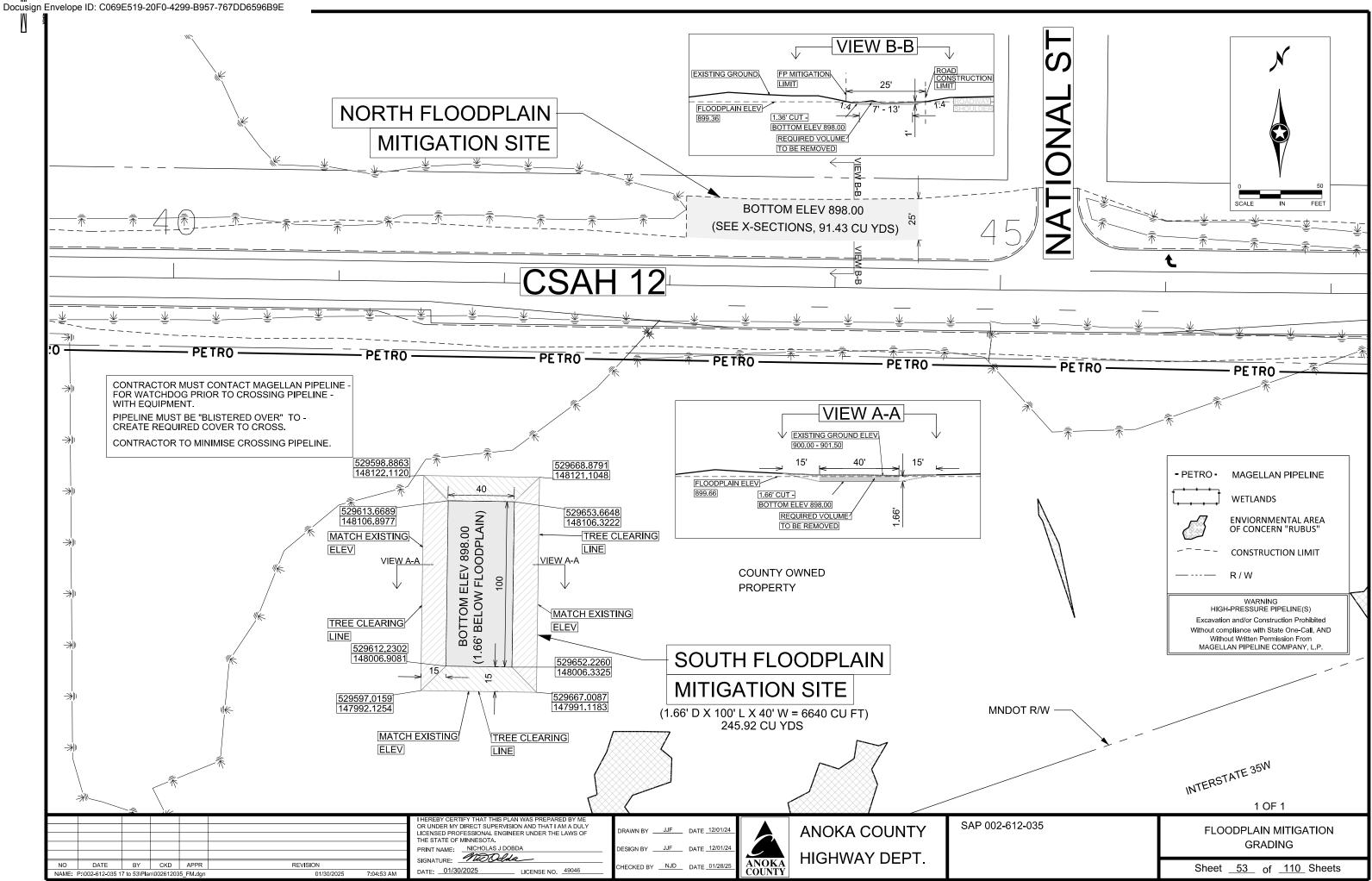


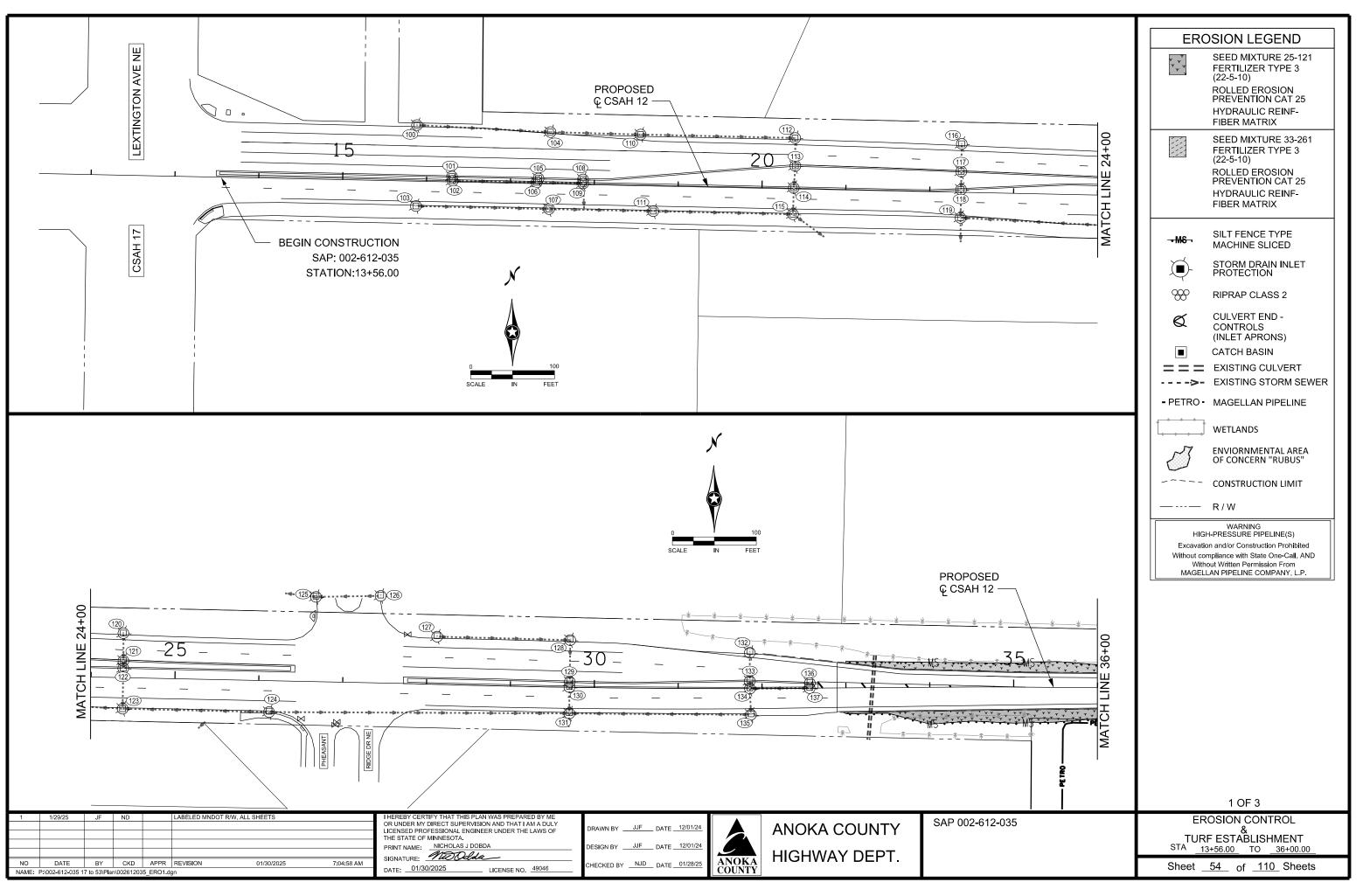


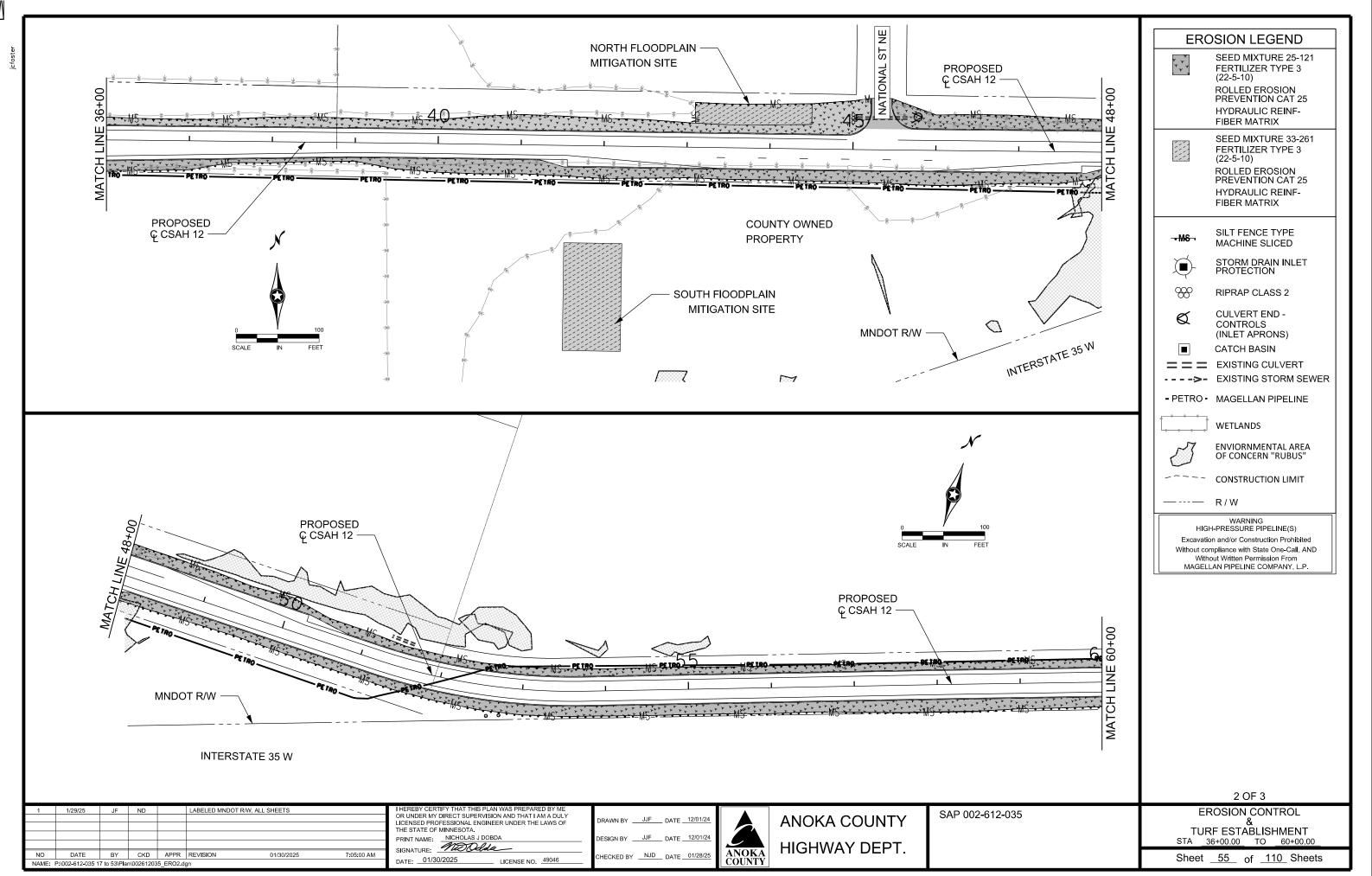
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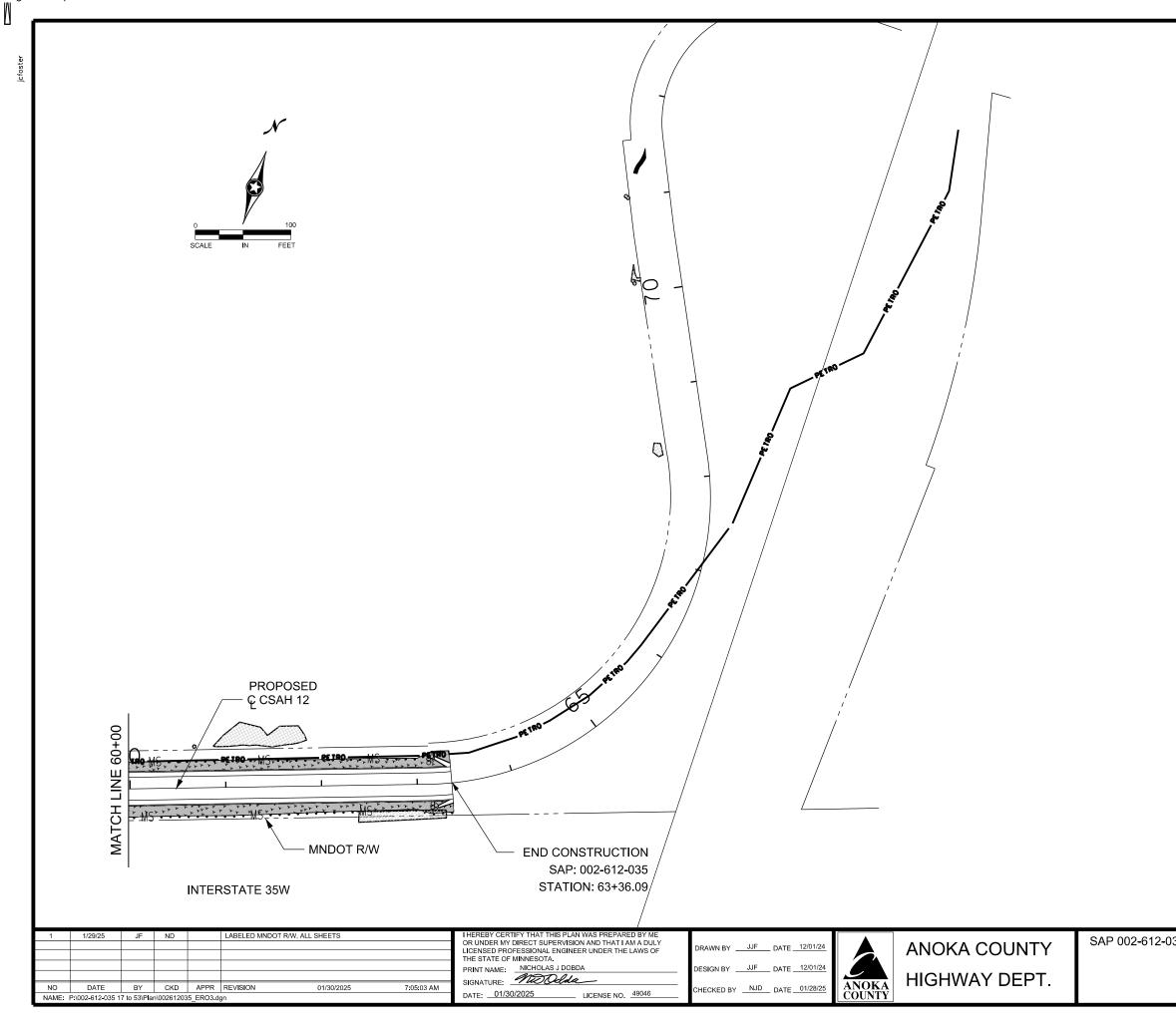












	EROSION LEGEND
	SEED MIXTURE 25-121 FERTILIZER TYPE 3 (22-5-10) ROLLED EROSION PREVENTION CAT 25
	HYDRAULIC REINF- FIBER MATRIX
	SEED MIXTURE 33-261 FERTILIZER TYPE 3 (22-5-10) ROLLED EROSION PREVENTION CAT 25
	HYDRAULIC REINF- FIBER MATRIX
	STORM DRAIN INLET PROTECTION
	RIPRAP CLASS 2
	CULVERT END - CONTROLS (INLET APRONS)
	CATCH BASIN CATCH BASIN CULVERT
	>- EXISTING STORM SEWER
	- PETRO - MAGELLAN PIPELINE
	WETLANDS
	ENVIORNMENTAL AREA OF CONCERN "RUBUS"
	CONSTRUCTION LIMIT
	— R/W
	WARNING HIGH-PRESSURE PIPELINE(S) Excavation and/or Construction Prohibited Without compliance with State One-Call, AND Without Written Permission From MAGELLAN PIPELINE COMPANY, L.P.
35	EROSION CONTROL & TURF ESTABLISHMENT
	STA <u>60+00.00</u> TO <u>63+36.09</u>
	Sheet <u>56</u> of <u>110</u> Sheets

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

PROJECT DESCRIPTION/LOCATION

SAP 002-612-035 IS LOCATED ON CSAH 12 FROM CSAH 17 TO CR 53 IN THE CITY OF BLAINE IN ANOKA COUNTY. THE PLANNED SCOPE OF THE PROJECT INCLUDES: RECONDITIONING. BITUMINOUS MILLING AND RECLAMATION. BITUMINOUS SURFACING, STORM SEWER REPAIRS, SHOULDER / RTL & BYPASS LANE CONSTRUCTION.

THE SUPPP MUST BE AMENDED TO DOCUMENT ANY CHANGES TO EROSION AND SEDIMENT CONTROLS, METHODS OR PRACTICES. THESE AMENDMENTS MUST BE TIMELY TO KEEP THE SUPPP UPDATED AND NEED TO BE KEPT ON SITE.

RESPONSIBILITIES

PROVIDE A CERTIFIED EROSION CONTROL SUPERVISOR PER MNDOT SPECIFICATION 2573.3.A.1. EROSION CONTROL SUPERVISOR WILL WORK WITH PROJECT ENGINEER TO OVERSEE IMPLEMENTATION OF SWPPP AND INSTALLATION. INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING AND AFTER CONSTRUCTION UNTIL PERMIT TERMINATION CONDITIONS HAVE BEEN MET.

PROVIDE AT LEAST ONE CERTIFIED INSTALLER PER MNDOT SPECIFICATION 2573.3.A.2. FOR EACH CONTRACTOR OR SUBCONTRACTOR THAT PLACES THE PRODUCTS LISTED IN MNDOT SPECIFICATION SECTION 2573.3.A.2.

. CONTRACTOR RESPONSIBLE TO OBTAIN DEWATERING PERMIT FROM DNR AND COSTS TO SECURE PERMIT.

CHAIN OF RESPONSIBILITY

ANOKA COUNTY AND THE CONTRACTOR ARE CO-PERMITEES FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION PERMIT AT ALL TIMES UNTIL THE NOTICE OF TERMINATION (NOT) HAS BEEN FILED WITH THE MPCA. ANOKA COUNTY CONSTRUCTION PROJECT ENGINEER WILL ENSURE THAT THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL SUPERVISOR FULFILLS THEIR DUTIES.

LAND FEATURE CHANGES

TOTAL	DISTI	JRBEC	AREA								7.999	ACRES
WITHIN	THE	DIST	URBED	ARE A:	TOTAL	EXISTIN	G IMPER	/IOUS	SURF ACE	AREA	5.384	ACRES
WITHIN	THE	DIST	RUBED	AREA:	TOTAL	PROPOSE	D IMPER	/IOUS	SURF ACE	AREA	6.142	ACRES
TOTAL	PROP	DSED	NET C	HANGE	IN IMP	ERVIOUS	SURF ACE	AREA			0.758	ACRES

SWPPP SHEET DESCRIPTIONS	LOCATION
TEMPORARY EROSION CONTROL MEASURES	SHEETS NO. 54 - 56
PERMANENT EROSION CONTROL MEASURES	SHEETS NO. 54 - 56
DIRECTION OF FLOW	SHEETS NO. 54 - 56
FINAL STABILIZATION	SHEETS NO. 54 - 56
SOILS AND CONSTRUCTION NOTES	SHEETS NO. 3
EROSION AND SEDIMENT CONTROL DETAILS	SHEETS NO. 57 - 59
EROSION CONTROL TABULATION	SHEETS NO. 6
TURF ESTABLISHMENT TABULATION	SHEETS NO. 6
SITE MAP	SHEETS NO. 57

SOIL TYPES

SOIL TYPES TYPICALLY FOUND ON THIS PROJECT ARE VERY FINE TO MEDIUM GRAINED SAND.

ENVIRONMENTAL REVIEW

THERE ARE NO STORNWATER 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 SPECIAL PROVISIONS.

THIS PROJECT IS NOT LOCATED IN A WELL HEAD PROTECTION AREA.

THIS PROJECT IS NOT LOCATED IN A DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA).

THIS PROJECT IS NOT LOCATED IN A KARST AREA.

THIS PROJECT IS NOT LOCATED IN AN EMERGENCY RESPONSE AREA (ERA) PER DEPARTMENT OF HEALTH.

INSPECTION TIMEFRAMES

INSPECT THE ENTIRE CONSTRUCTION SITE A MINIMUM OF ONCE EVERY SEVEN DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. INSPECT ALL TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT, EROSION PREVENTION AND SEDIMENT CONTROL BMPS, SURFACE WATERS AND CONSTRUCTION SITE EXITS UNTIL ALL CONSTRUCTION IS COMPLETE AND THE SITE HAS UNDERGONE FINAL STABILIZATION. RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES IN WRITING WITHIN 24 HOURS. SUBMIT INSPECTION REPORTS IN A FORMAT THAT IS ACCEPTABLE TO THE PROJECT ENGINEER.

WATER RELATED PERMITS

AGENCY	TYPE OF F
MINNESOTA POLLUTION CONTROL AGENCY (MPCA)	CONST. STOR
RICE CREEK WATERSHED DISTRICT	RCWD
DEPARTMENT OF NATURAL RESOURCES (DNR)	THREATEND A

READ AND REVIEW ALL PERMITS FOR SPECIAL CONDITIONS THAT WILL AFFECT CONSTRUCTION OF THE PROJECT.

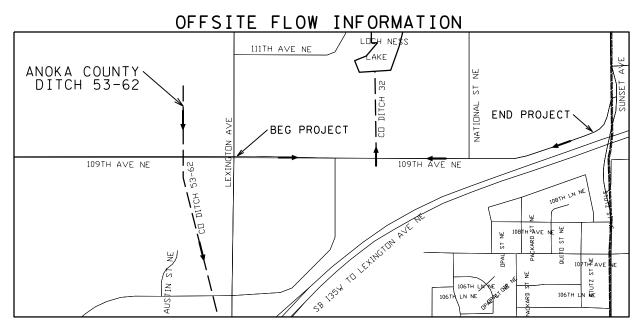
IF IT BECOMES NECESSARY TO DISTURB AREAS OUTSIDE OF THE CONSTRUCTION LIMITS, OPERATIONS SHOULD CEASE AND DETERMINATION MADE IF ADDITIONAL PERMITS ARE NEEDED OR EXISTING PERMITS NEED TO BE MODIFIED.

TEMPORARY DEWATERING ACTIVITIES MAY BE REQUIRED FOR ROADWAY CONSTRUCTION AND UTILITY WORK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE PERMIT. SUBMIT A SITE MANAGEMENT PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.

WATERBODY	NO WORK DURING
LAKES	APRIL 1 - JUNE 30
NON-TROUT STREAMS	MARCH 15 - JUNE 15
TROUT STREAMS	SEPTEMBER 1 - APRIL 1

SPECIAL AND IMPAIRED WATERS THAT ARE LOCATED WITHIN ONE MILE (AERIAL RADIUS) OF THE PROJECT LIMITS AND RECEIVE RUNOFF FROM THE PROJECT SITE.

WATERBODY NAME	IMPAIRMENT(S) OR S
UNNAMED DITCH AC 53-62	BENTHIC MACROINVERTEBRA



AREAS OF ENVIRONMENTAL SENSITIVITY (AES)

WETLANDS AND EXISTING STORMWATER FACILITIES WITHIN AND NEAR THE PROJECT BOUNDARY ARE SHOWN ON REMOVALS AND CONSTRUCTION PLANS.

PROJECT ORGANIZATION CONTACTS	NAME	PHONE		
CONTRACTOR'S EROSION AND SEDIMENT CONTROL SUPERVISOR				
CONTRACTOR'S EROSION AND SEDIMENT CONTROL INSTALLER				
	RYAN RUPP	651-775-4081		
MNDOT METRO WRE (EROSION CONTROL/MS4)	SARAH THOMSON	651-775-0921		
ANOKA COUNTY CONSTRUCTION SUPERVISOR	CHRIS OSTERHUS	651-233-3168		
RICE CREEK WATERSHED DISTRICT	PATRICK HUGHES	763-398-3080		
MINNESOTA DEPARTMENT OF NATURAL RESOURCES	PATTY FOWLER	612-708-7732		
ARMY CORP OF ENGINEERS				
MPCA DUTY OFFICER 24 HR EMERGENCY NOTIFICATION	651-649-5451 OR 1(800)-422-0798		

1	4/8/25	JF	ND		ADDED VERTICAL DATUM NOTE, TOP RT CORNER		I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME				
							OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY	DRAWN BY JJF DATE 12/01/24		ANOKA COUNTY	SAP 002-612-
							LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.			ANOKA COUNT I	
								115 10/04/04			
							PRINT NAME: NICHOLAS J DOBDA	DESIGN BY JJF DATE 12/01/24			
							SIGNATURE: MOOLIAA			HIGHWAY DEPT.	
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* VERTICAL DATUM NAVD 88 ADJUSTMENT

SEE DNR PERMIT FOR MORE INFORMATION

SPECIAL STATUS ATE BIOASSESSMENT AND DISSOLVED OXYGEN.

1 OF 3

2-035

STORM WATER POLLUTION PREVENTION PLAN

Sheet 57 of 110 Sheets

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE (CONTINUED)

EROSION AND SEDIMENT CONTROL MEASURES

AREA	TIME FRAME
ESTABLISH SEDIMENT CONTROL DEVICES ON ALL DOWN GRADIENT PERIMETERS AND UPGRADIENT OF ANY BUFFER ZONES	BEFORE ANY UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN
REPAIR, REPLACE OR SUPPLEMENT PERIMETER CONTROL BMPS	WHEN BMP BECOMES NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT OF THE BMP BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY.
REPLACE, REPAIR OR SUPPLEMENT ALL NONFUNCTIONAL BMPS	BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY.
REPAIR, REPLACE, OR SUPPLEMENT INLET PROTECTION BMPS	WHEN THEY BECOME NONFUNCTIONAL OR SEDIMENT REACHES 1/2 THE HEIGHT AND/OR DEPTH OF THE BMP BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY.
REMOVE TRACKED SEDIMENT FROM PAVED SURFACES BOTH ON AND OFF SITE (LIGHTLY WET PRIOR TO SWEEPING)	WITHIN 24 HOURS OF DISCOVERY
REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS AND RESTABILIZE	WITHIN 7 DAYS OF DISCOVERY

- 1. PROVIDE PERIMETER CONTROL AROUND ALL STOCKPILES AND DO NOT PLACE THEM IN NATURAL BUFFER AREAS, SURFACE WATERS OR STORMWATER CONVEYANCES. TOPSOIL BERMS MUST BE STABILIZED IN ORDER TO BE CONSIDERED PERIMETER CONTROL BMPS.
- 2. PROTECT STORM SEWER INLETS AT ALL TIMES WITH THE APPROPRIATE INLET PROTECTION BMP AND PROVIDE EMERGENCY OVERFLOW CAPABILITIES. SILT FENCE PLACED IN THE INLET GRATE IS NOT AN ACCEPTABLE INLET PROTECTION BMP FOR GRADING OPERATIONS.
- 3. PLACE AND MAINTAIN CONSTRUCTION EXITS OF SUFFICIENT SIZE TO PREVENT TRACKING OF SEDIMENT ONTO PAVED SURFACES BOTH ON AND OFF THE PROJECT SITE. REGULAR STREET SWEEPING IS NOT AN ACCEPTABLE ALTERNATIVE TO PROPER CONSTRUCTION EXIT INSTALLATION AND MAINTENANCE.
- 4. PROVIDE SCOUR PROTECTION AT OUTFALL OF DEWATERING ACTIVITIES. PROVIDE STABILIZATION IN TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.
- 5. PREPARE AND SUBMIT A SITE MANAGEMENT PLAN AND CONTACT ALL APPROPRIATE AUTHORITIES PRIOR TO WORKING IN SURFACE WATERS.
- 6. MAINTAIN ALL BMPS UNTIL WORK HAS BEEN COMPLETED, SITE HAS GONE UNDER FINAL STABILIZATION FOR PERMIT TERMINATION, AND THE NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED TO THE MPCA.

STABIL IZATION

AREA	TIME FRAME	NOTES
LAST 200 LINEAL FEET OF DRAINAGE DITCH OR SWALE	WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER OR PROPERTY EDGE	2A, 3A
REMAINING PORTIONS OF DRAINAGE DITCH OR SWALE	7 DAYS	3A
PIPE AND CULVERT OUTLETS	24 HOURS	
EXPOSED SOILS AND STOCKPILES	7 DAYS	1 A
WHEN CONSTRUCTION HAS TEMP. OR PERM. CEASED	IMMEDIATELY	

1A. TEMPORARY SOIL STOCKPILES WITHOUT SIGNIFICANT CLAY OR SILT AND STOCKPILED AND CONSTRUCTED ROAD BASE ARE EXEMPT FROM THE STABILIZATION REQUIREMENT.

- 2A. STABILIZE WETTED PERIMETER OF DITCH (I.E. WHERE THE DITCH GETS WET).
- 3A. APPLICATION OF MULCH, HYDROMULCH (SLOPE>2%), DISK-ANCHORED MULCH (SLOPE>2%), TACKIFIER AND POLYACRYLAMIDE ARE NOT ACCEPTABLE STABILIZATION METHODS IN DITCHES AND SWALES.

MATERIAL STORAGE, WASTE MANAGEMENT, FUELING AND DUST CONTROL

- 1. PROVIDE A SPILL KIT AT EACH WORK LOCATION ON THE SITE. ENSURE ALL SPILLS ARE CLEANED UP IMMEDIATELY.
- 2. STORE ALL LIQUID CHEMICALS UNDER COVER WITH SECONDARY CONTAINMENT. CREATE AND FOLLOW A WRITTEN DISPOSAL PLAN FOR ALL WASTE MATERIALS. STORE, COLLECT AND DISPOSE OF ALL SOLID WASTE.
- 3. FUEL AND MAINTAIN VEHICLES IN A DESIGNATED CONTAINED AREA WHENEVER FEASIBLE. USE DRIP PANS OR ABSORBENT MATERIALS TO PREVENT SPILLS OR LEAKED CHEMICALS FROM DISCHARGING TO SURFACE WATER OR STORWWATER CONVEYANCES.
- 4. PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS. LIQUID AND SOLID WASHOUT WASTES MUST NOT CONTACT THE GROUND. DESIGN THE CONTAINMENT SO THAT IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR CONTAINMENT AREA.
- USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT DISCHARGE OR PLACEMENT OF BITUMINOUS GRINDINGS, CUTTINGS, MILLINGS, AND OTHER BITUMINOUS WASTES FROM AREAS OF EXISTING OR FUTURE VEGETATED SOILS AND FROM ALL WATER CONVEYANCE SYSTEMS. INCLUDING INLETS. DITCHES AND CURB FLOW LINES.
- 6. USE METHODS AND OPERATIONAL PROCEDURES THAT PREVENT CONCRETE DUST, STREET SWEEPING DUST, SAWCUT SLURRY, PLANING WASTE, CONCRETE WASH OUT, AND OTHER CONCRETE WASTES FROM LEAVING ANOKA COUNTY RIGHT OF WAY, DEPOSITING IN EXISTING OR FUTURE VEGETATED AREAS, AND FROM ENTERING STORWWATER CONVEYANCE SYSTEMS, INCLUDING INLETS, DITCHES AND CURB FLOW LINES.
- 7. 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 IN ACCORDANCE WITH MINN. R. CHAPTER 7041.

IMPORTANT SWPPP NOTES FOR CONSTRUCTION ACTIVITY

- 1. PREPARE AND SUBMIT A SITE MANAGEMENT PLAN FOR THE ENGINEER'S ACCEPTANCE FOR CONCRETE MANAGEMENT, CONCRETE SLURRY APPLICATION AREAS, WORK IN AND NEAR AREAS OF ENVIRONMENTAL SENSITIVITY, AREAS IDENTIFIED IN THE PLANS AS "SITE MANAGEMENT PLAN AREA", ANY WORK THAT WILL REQUIRE DEWATERING, AND AS REQUESTED BY THE ENGINEER. SUBMIT ALL SITE
- 2. DO NOT BUILD INFILTRATION AREAS OR PLACE FINAL FILTRATION MEDIA UNTIL THE PROJECT IS NEARLY COMPLETE. PROTECT THESE AREAS FROM COMPACTION AND FROM CONSTRUCTION STORMWATER RUNOFF.
- 3. ROUTE STORMWATER AROUND UNSTABILIZED AREAS OF THE SITE WHENEVER FEASIBLE.
- 4. CONSTRUCTION PROJECT SHOULD BE PHASED TO MINIMIZE THE DURATION OF EXPOSED SOILS.
- 5. MINIMIZE COMPACTION OF SOILS AND PRESERVE TOPSOIL IN AREAS WHERE VEGETATION WILL BE ESTABLISHED.
- PREVENT EROSION
- TO SHORE AS POSSIBLE. PLACE PERIMETER CONTROL BMP ON LAND IMMEDIATELY AFTER THE IN WATER WORK IS COMPLETED.
- 8. DISCHARGE TURBID OR SEDIMENT LADEN WATER TO TEMPORARY SEDIMENT BASINS WHENEVER FEASIBLE (REQUIRED IF DRAINAGE AREA IS NOT FEASIBLE.
- 9. PROVIDE STABILIZATION IN ANY TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.
- IO. PROVIDE A 50 FOOT NATURAL BUFFER OR, IF BUFFER IS INFEASIBLE, PROVIDE A DOUBLE ROW OF SEDIMENT CONTROLS SPACED AT LEAST 5' APART WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF LAND DISTURBANCE AND STORMWATER FLOWS TO THE SURFACE WATER.
- 11. PROVIDE A 100 FOOT NATURAL BUFFER OR, IF BUFFER IS INFEASIBLE, PROVIDE A DOUBLE ROW OF SEDIMENT CONTROLS SPACED TO THE SPECIAL WATER.
- 12. SUBSOIL ALL DISTURBED GREEN SPACES EXCEPT AS LISTED IN 2574.3A.5.

PIPE AND STRUCTURE NOTES

- 1. SIZE AND ELEVATION OF CULVERTS, STORM SEWER PIPES, CATCH BASINS, PONDS, INFILTRATION/FILTRATION BASINS, PERMEABLE WITH APPROVED DRAINAGE PERMITS. ANY CHANGES OF THE DRAINAGE SYSTEM MUST BE APPROVED BY ANOKA COUNTY.
- 2. PERFORM POST INSTALLATION MANDREL TESTING OF ALL PLASTIC PIPE.
- APPROVAL AND SATISFACTION OF THE ENGINEER.

NPDES PERMIT TERMINATION CONDITIONS

- GROWTH
- ENSURE THE SYSTEM(S) ARE OPERATING AS DESIGNED.
- 3. CONTRACTOR MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT.
- 4. CONTRACTOR MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS PRIOR TO SUBMITTING THE NOT. CONTRACTOR MAY LEAVE BMPS DESIGNED TO DECOMPOSE ON-SITE IN PLACE.
- 5. FOR CONSTRUCTION PROJECTS ON AGRICULTURAL LAND, CONTRACTOR MUST RETURN THE DISTURBED LAND TO ITS PRECONSTRUCTION AGRICULTURAL USE PRIOR TO SUBMITTING THE NOT.

							I HEREBY CERTIFY THAT THIS PLAN 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. PRINT NAME: NICHOLAS J DOBDA SIGNATURE: MICHOLAS J DOBDA	DRAWN BYJJF DATE2/01/24 DESIGN BYJJF DATE2/01/24		ANOKA COUNTY HIGHWAY DEPT.	SAP 002-6
NO	DATE	BY	CKD	APPR	REVISION			CHECKED BYNJDDATE_01/28/25	ANOKA	HIGHWAT DEFT.	
NAME:	P:\002-612-035 1	7 to 53\Plar	n\00261203	35_SW.dgn	01/30/2025	7:05:10 AM	DATE:		COUNTY		

MANAGEMENT PLANS TO THE ENGINEER IN WRITING. ALLOW A MINIMUM OF 7 DAYS FOR ANOKA COUNTY TO REVIEW AND ACCEPT SITE MANAGEMENT PLAN SUBMITTALS. WORK WILL NOT BE ALLOWED TO COMMENCE IF A SITE MANAGEMENT PLAN IS REQUIRED UNTIL ACCEPTANCE HAS BEEN GRANTED BY THE ENGINEER. THERE WILL BE NO EXTRA TIME ADDED TO THE CONTRACT DUE TO THE UNTIMELY SUBMITTAL.

6. DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS WHENEVER FEASIBLE. PROVIDE VELOCITY DISSIPATION DEVICES AS NEEDED TO

7. FLOATING SILT CURTAIN IS ALLOWED AS PERIMETER CONTROL FOR IN WATER WORK ONLY. PLACE THE FLOATING SILT CURTAIN AS CLOSE

IS 10 ACRES OR LARGER OR 5 ACRES OR LARGER AND WITHIN 1 MILE OF IMPAIRED WATER). IN THE EVENT THAT IT IS NOT FEASIBLE TO DISCHARGE THE SEDIMENT LADEN WATER TO A TEMPORARY SEDIMENT BASIN, THE WATER MUST BE TREATED SO THAT IT DOES NOT CAUSE A NUISANCE CONDITION IN THE RECEIVING WATERS OR TO DOWNSTREAM LANDOWNERS. MUST DOCUMENT WHY SEDIMENT BASIN

AT LEAST 5 APART WHEN A SPECIAL WATER IS LOCATED WITHIN 100 FEET OF THE LAND DISTURBANCE AND STORWWATER FLOWS

DITCH BLOCKS AND OVERFLOW DEVICES HAVE BEEN SPECIFICALLY DESIGNED TO CONFORM TO MNDOT DESIGN STANDARDS AND PERMIT REQUIREMENTS. THE DESIGN COMPUTATIONS ARE ON FILE WITH ANOKA COUNTY. CHANGING THESE ITEMS OR THE DIRECTION OF FLOW FROM WHAT IS SHOWN ON THE PLANS MAY CAUSE PROBLEMS OFF THE PROJECT AND COULD MEAN THE PROJECT IS OUT OF COMPLIANCE

3. SUBSURFACE DRAINAGE TILES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED, REPLACED OR REROUTED, AND CONNECTED TO THE EXISTING TILE OR DRAINAGE SYSTEM TO ENSURE THAT EXISTING UPLAND DRAINAGE IS PERPETUATED. THIS SHALL BE DONE TO THE

1. CONTRACTOR MUST COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING NOT. VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70% OF ITS EXPECTED FINAL

2. CONTRACTOR MUST REMOVE ANY ACCUMULATED SEDIMENT AND STABILIZE THE PERMANENT STORMWATER TREATMENT SYSTEM(S) AND MUST

2 OF 3

12-035

STORM WATER POLLUTION PREVENTION PLAN

Sheet 58 of 110 Sheets

Training

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Individual revising or amending the SWPPP and individuals performing inspections must fill in the following table.

Name of on-site personnel trained	
Dates of training	
Name of instructor(s)	
Entity providing training	
Content of training course or workshop	

Amending the SWPPP

The SWPPP must be amended to record changes or modifications to permanent BMPs or other storm water treatment systems and removals of temporary BMPs. Changes to temporary BMPs may be recorded on this sheet. Include a brief description of the problem, location, nature of alteration, and comments. This record is to be retained for three years after project completion.

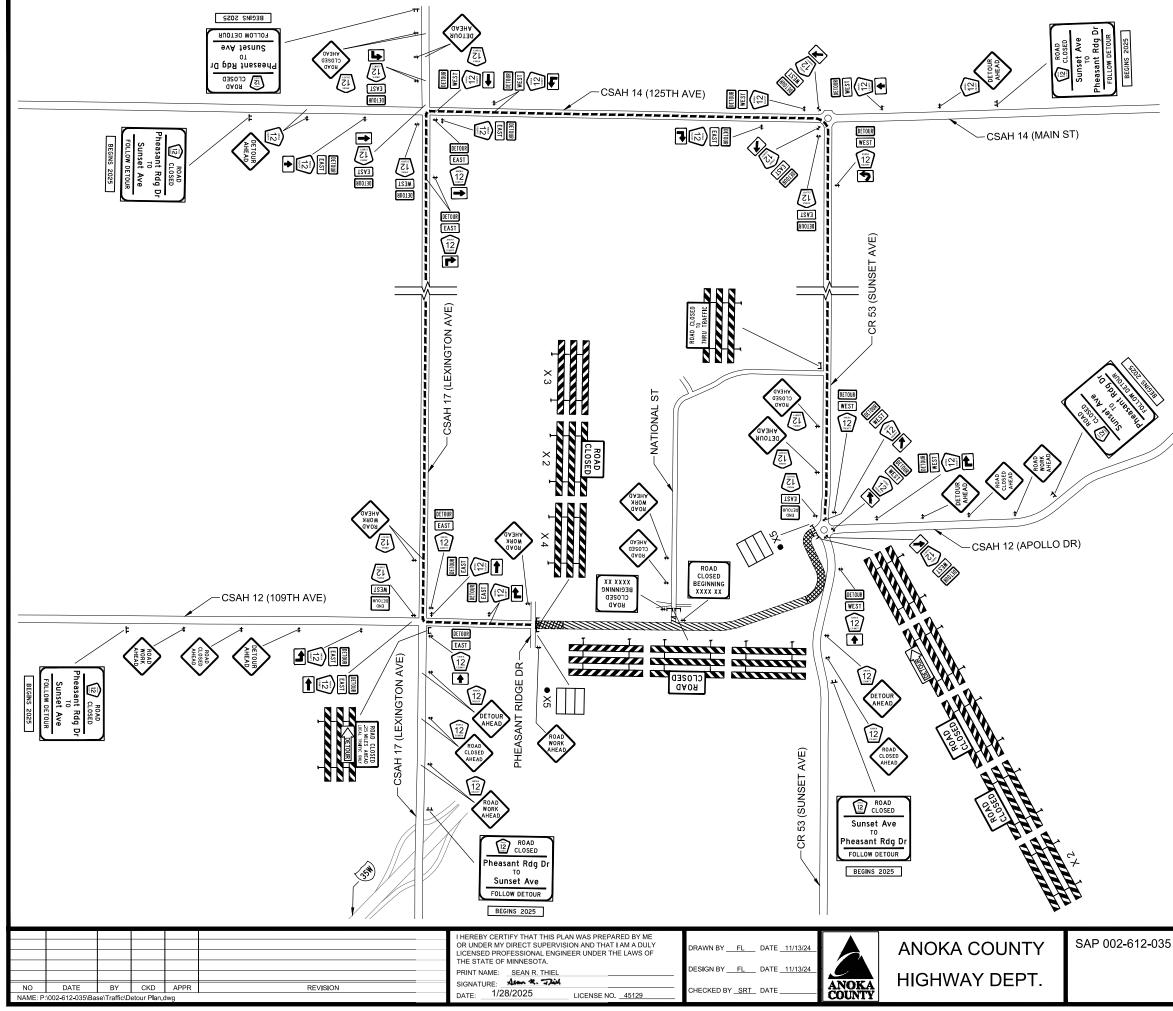
		Project Location	Problem, solution, and notes
Date Reported	(sheet)	(station)	

							I HEREBY CERTIFY THAT THIS PLAN 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 BYJJF DATE2/01/24		ANOKA COUNTY	SAP 002-612
								DESIGN BY JJF DATE 12/01/24		HIGHWAY DEPT	
NO	DATE	BY	CKD	APPR	REVISION		SIGNATORE	CHECKED BY NJD DATE 01/28/25	ANOKA	HIGHWAY DEPT.	1
NAME:	P:\002-612-035 1	17 to 53\Plan	n\0026120	35 SW.dgn	01/30/2025	7:05:08 AM	DATE:01/30/2025 LICENSE NO49046		COUNTY		4

3 OF 3

STORM WATER POLLUTION PREVENTION PLAN

Sheet <u>59</u> of <u>110</u> Sheets





TRAFFIC CONTROL DEVICES & SYMBOLS LEGEND SYMBOL DESCRIPTION

WORK AREA

AREA CLOSED TO TRAFFIC

DETOUR ROUTE

- TRAFFIC CONTROL SIGN (DOUBLE POST)
- TRAFFIC CONTROL SIGN (TEMPORARY)
- TYPE III BARRICADE =

DRUM-LIKE CHANNELIZER TYPE B =

PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

PCMS - MESSAGE SEQUENCE LAYOUT

	R	0	А	D		
	R	0	R	к		
В	Е	G	Ι	Ν	s	

<	D	А	Т	Е	>	
Е	Х	Ρ	Е	С	Т	
D	Е	L	А	Y	S	

CONSTRUCTION NOTES:

- 1. NATIONAL STREET CLOSED AT CSAH 12 (109TH AVE). 2. CSAH 12 (109TH AVE) TO BE FULLY CLOSED BETWEEN
- PHEASANT RIDGE DR AND CR 53 (SUNSET AVE). 3. CSAH 12 (109TH AVE) DETOURED ONTO CSAH 17 (LEXINGTON AVE), CSAH 14 (125TH AVE) AND CR 53
- (SUNSET AVE).

TRAFFIC CONTROL NOTES:

- 1. PCMS AND G20-X1 SIGNS SHALL BE INSTALLED A MINIMUM OF 10 DAYS PRIOR TO ACTUAL COMMENCEMENT OF ROAD CLOSURE AT A LOCATION AS SPECIFIED ON PLAN. PCMS AND G20-X1 SIGNS TO BE REMOVED WHEN ROAD CLOSURE COMMENCES
- 2. G20-X2 ADVANCE CLOSURE NOTICE SIGNS SHALL BE INSTALLED 10 DAYS PRIOR TO THE WORK STARTING DATE. ONCE WORK BEGINS, REMOVE BEGINS DATE PLAQUE AS SHOWN IN PLAN.
- 3. ALL SIGNS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

DETOUR PLAN

		"M" SERIES		
SIGN	MUTCD CODE	COLOR	SIZE INCHES	QUANTITY
DETOUR	M4-8	BLACK ON ORANGE	24 X 12	32
END DETOUR	M4-8a	BLACK ON ORANGE	30 X 24	2
EAST	M3-2a	WHITE ON BLUE	24 X 12	19
WEST	M3-4a	WHITE ON BLUE	24 X 12	15
12 Court	M1-6M	WHITE AND YELLOW ON BLUE	24 X 24	51
4	M5-1aL	WHITE ON BLUE	21 X 15	5
F	M5-1aR	WHITE ON BLUE	21 X 15	6
()	M5-3	WHITE ON BLUE	21 X 15	1
-	M6-1aL	WHITE ON BLUE	21 X 15	3
•	M6-1aR	WHITE ON BLUE	21 X 15	2
	M6-2L	WHITE ON BLUE	21 X 15	2
	M6-2R	WHITE ON BLUE	21 X 15	3
	M6-3a	WHITE ON BLUE	21 X 15	4

	<u>"W" SERIES</u>						
SIGN	MUTCD CODE	COLOR	SIZE INCHES	QUANTITY			
ROAD WORK	W20-1	BLACK	36 X 36	2			
AHEAD	VV20-1	ON ORANGE	48 X 48	7			
DETOUR	W20-2	BLACK ON ORANGE	36 X 36	3			
AHEAD	VV20-2		48 X 48	8			
ROAD CLOSED	W/20 2	BLACK	36 X 36	2			
AHEAD		ORANGE	48 X 48	7			

DETOUR PLAN QUANTITIES

	BARRIC	CADE MOU	NTED	
SIGN	MUTCD CODE	COLOR	SIZE	QUANTITY
	CODE		INCHES	
	M4-10L	BLACK ON ORANGE	48 X 18	1
DETOUR	M4-10R	BLACK ON ORANGE	48 X 18	1
ROAD CLOSED	R11-2M	BLACK ON WHITE	48 X 30	5
ROAD CLOSED .25 MILES AHEAD LOCAL TRAFFIC ONLY	R11-3a	BLACK ON WHITE	60 X 30	1
ROAD CLOSED To Thru Traffic	R11-4	BLACK ON WHITE	60 X 30	1

	<u>"G" SERIES</u>					
SIGN	MUTCD CODE	COLOR	SIZE INCHES	QUANTITY		
ROAD CLOSED BEGINNING MTH DAY	G20-X1	BLACK ON ORANGE	54 X 48	2		
Pheasant Rdg Dr To Sunset Ave Follow Detour	G20-X2	BLACK ON ORANGE	96 X 84	4		
ROAD CLOSED Sunset Ave TO Pheasant Rdg Dr FOLLOW DETOUR	G20-X2	BLACK ON ORANGE	96 X 84	3		
1) BEGINS MTH DAY			72 X 12	7		

SPE	CIF	С	Ν
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(2)

- NOTES:

	LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. PRINT NAME: <u>SEAN R. THIEL</u>	DRAWN BY <u>FL</u> DATE <u>11/08/24</u> DESIGN BY <u>FL</u> DATE <u>11/08/24</u>			SAP 002-612
NO DATE BY CKD APPR REVISION NAME: P:\002-612-035\Base\Traffic\Detour Plan Quantities,dwg Revision Revision Revision	SIGNATURE:	CHECKED BY <u>SRT</u> DATE	ANOKA COUNTY	HIGHWAY DEPT.	

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	DEVICES						
DEVICE	MUTCD CODE	COLOR	SIZE	QUANTITY			
	DRUM			10			
	TYPE III LEFT		8 FOOT	12			
	TYPE III RIGHT		8 FOOT	8			
	PCMS TYPE C			2 (10 DAYS)			

NOTES:

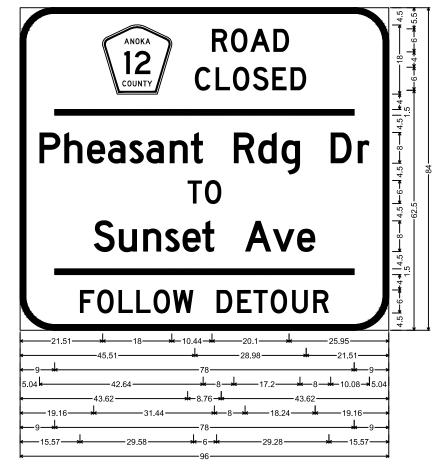
1. BEGINS DATE PLAQUE SHALL COVER FOLLOW DETOUR BEFORE WORK BEGINS AND BE REMOVED WHEN WHEN WORK BEGINS. 2. PCMS TO BE INSTALLED A MINIMUM OF 10 DAYS PRIOR TO COMMENCEMENT OF ROAD WORK AND REMOVED WHEN ROAD WORK BEGINS.

• ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. • ALL TYPE III BARRICADES SHALL BE REFLECTORIZED ON BOTH SIDES. BARRICADE MARKINGS SHALL BE SLANTED IN ACCORDANCE WITH THE MUTCD.

12-035	DETOUR PLAN QUANTITIES

Sheet <u>61</u> of <u>110</u> Sheets

"G" SERIES SIGN DESIGN



9.00" Radius, 1.50" Border, Black on, None;

Pentagonal County 12 M1-6a; "ROAD", D 2K; "CLOSED", D 2K;

"Pheasant Rdg Dr", D 2K; "TO", D 2K; "Sunset Ave", D 2K; "FOLLOW DETOUR", D 2K;

ROAD ANOKA 12 CLOSED COUNTY 4.5 | **k**-2 Sunset Ave TO Pheasant Rdg Dr FOLLOW DETOUR <u>18</u>10.44 -21 51--25 95-45 51 -28.98 -21 51 ⊢10.08→**5**.04 42 64 -15.57--29.58 15.57

9.00" Radius, 1.50" Border, Black on, None;

Pentagonal County 12 M1-6a; "ROAD", D 2K; "CLOSED", D 2K; "Sunset Ave", D 2K; "TO", D 2K; "Pheasant Rdg Dr", D 2K; "FOLLOW DETOUR", D 2K;

NO DATE BY CKD APPR REVISION NAME: P:\002-612-035\Base\Traffic\Detour Plan Quantities.dwg	I HEREBY CERTIFY THAT THIS PLAN 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. PRINT NAME: SEAN R. THIEL SIGNATURE: Jun 4. TAX DATE: 1/28/2025 LICENSE NO. 45129	DRAWN BY <u>FL</u> DATE <u>11/08/24</u> DESIGN BY <u>FL</u> DATE <u>11/08/24</u> CHECKED BY <u>SRT</u> DATE		ANOKA COUNTY HIGHWAY DEPT.	SAP 00
NAME: P:1002-612-035\Base\Tranc\Detour Plan Quantities.dwg			0004111		



No border, Black on, Orange; "BEGINS", D 2K

DETOUR PLAN QUANTITIES

002-612-035 Sheet <u>62</u> of <u>110</u> Sheets

PERMANENT PAVEMENT MARKING PLAN **NOTES & GUIDELINES**

GENERAL INFORMATION:

- 1. THE ENGINEER'S INVOLVEMENT IN THE APPLICATION OF THE MATERIAL SHALL BE LIMITED TO FIELD CONSULTATION AND INSPECTION. ANOKA COUNTY HIGHWAY DEPARTMENT WILL PLACE NECESSARY "SPOTTING" AT APPROPRIATE POINTS TO PROVIDE HORIZONTAL CONTROL FOR STRIPING AND TO DETERMINE NECESSARY STARTING AND CUTOFF POINTS. LONGITUDINAL JOINTS, PAVEMENT EDGES AND EXISTING MARKINGS MAY SERVE AS HORIZONTAL CONTROL WHEN SO DIRECTED.
- 2. EDGE LINES AND LANE LINES ARE TO BE BROKEN ONLY AT INTERSECTIONS WITH PUBLIC ROADS AND AT PRIVATE ENTRANCES IF THEY ARE CONTROLLED BY A YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE RADIUS FOR THE INTERSECTION OR AT MARKED STOP LINES OR CROSSWALKS.
- 3. A TOLERANCE OF 1/4 INCH UNDER OR 1/4 INCH OVER THE SPECIFIED WIDTH WILL BE ALLOWED FOR STRIPING PROVIDED THE VARIATION IS GRADUAL AND DOES NOT DETRACT FROM THE GENERAL APPEARANCE. BROKEN LINE SEGMENTS MAY VARY UP TO ONE-HALF FOOT FROM THE SPECIFIED LENGTHS PROVIDED THE OVER AND UNDER VARIATIONS ARE REASONABLY COMPENSATORY. ALIGNMENT DEVIATIONS FROM THE CONTROL GUIDE SHALL NOT EXCEED 1 INCH. MATERIAL SHALL NOT BE APPLIED OVER LONGITUDINAL JOINTS. ESTABLISHMENT OF APPLICATION TOLERANCES SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO COMPLY AS CLOSELY AS PRACTICABLE WITH THE PLANNED DIMENSIONS.
- 4. PERMANENT PAVEMENT MARKINGS SHALL NOT BE PLACED OVER TEMPORARY TAPE MARKINGS.
- 5. THE FILLING OF TANKS, POURING OF MATERIALS OR CLEANING OF EQUIPMENT SHALL NOT BE PERFORMED ON UNPROTECTED PAVEMENT SURFACES UNLESS ADEQUATE PROVISIONS ARE MADE TO PREVENT SPILLAGE OF MATERIAL.

PAINT:

- 1. AT THE TIME OF APPLYING THE MARKING MATERIAL, THE APPLICATION AREA SHALL BE FREE OF CONTAMINATION. THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE PRIOR TO THE LINE APPLICATION IN A MATTER AND TO THE EXTENT REQUIRED BY THE ENGINEER.
- 2. GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE PAINT LINE.
- 3. EXCEPT WHEN USED AS A TEMPORARY MARKING, PAVEMENT MARKINGS SHALL ONLY BE APPLIED IN SEASONABLE WEATHER WHEN AIR AND PAVEMENT SURFACE TEMPERATURES ARE 50°F OR HIGHER AND SHALL NOT BE APPLIED WHEN THE WIND OR OTHER CONDITIONS CAUSE A FILM OR DUST TO BE DEPOSITED ON THE PAVEMENT SURFACE AFTER CLEANING AND BEFORE THE MARKING MATERIAL CAN BE APPLIED.

MULTI-COMPONENT (MULTI-COMP):

- 1. THE ROAD SURFACE SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER JUST PRIOR TO APPLICATION. PAVEMENT CLEANING SHALL CONSIST OF AT LEAST BRUSHING WITH A ROTARY BROOM (NON-METALLIC) OR AS RECOMMENDED BY THE MATERIAL MANUFACTURER AND ACCEPTABLE TO THE ENGINEER. NEW PORTLAND CEMENT CONCRETE SURFACES SHALL BE SANDBLAST CLEANED. TO REMOVE ANY SURFACE TREATMENT AND/OR LAITANCE ON LOW SPEED (SPEED LIMIT 35 MPH OR LESS) URBAN PORTLAND CEMENT CONCRETE ROADWAYS. SANDBLAST CLEANING SHALL BE USED FOR ALL MULTI-COMP PAVEMENT MARKINGS.
- 2. THE MULTI-COMP MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. GLASS BEADS SHALL BE APPLIED IMMEDIATELY AFTER APPLICATION OF THE MULTI-COMP LINE TO PROVIDE AN IMMEDIATE NO-TRACK SYSTEM.
- 3. A MULTI-COMP LINE SHALL BE APPLIED WITH A MINIMUM THICKNESS OF 20 MILS (WET) AND 4" WIDE . GLASS BEADS SHALL BE APPLIED AT A MINIMUM RATE OF 25 LBS POUNDS PER GALLON RATE SUFFICIENT TO ACHIEVE AN ACCEPTABLE NO-TRACK SYSTEM.
- 4. PAVEMENT MARKINGS SHALL ONLY BE APPLIED IN SEASONABLE WEATHER WHEN AIR AND PAVEMENT SURFACE TEMPERATURES ARE 40° OR HIGHER AND SHALL NOT BE APPLIED WHEN THE WIND OR OTHER CONDITIONS CAUSE A FILM OR DUST TO BE DEPOSITED ON THE PAVEMENT SURFACE AFTER CLEANING AND BEFORE THE MARKING MATERIAL CAN BE APPLIED.

PREFORMED THERMOPLASTIC:

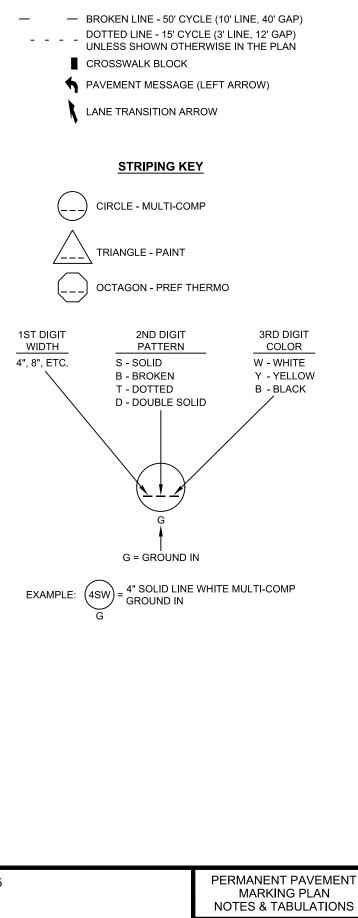
1. THE PREFORMED THERMOPLASTIC MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS ON CLEAN AND DRY SURFACES. SEE SPECIAL PROVISIONS FOR PREFORMED THERMOPLASTIC MARKING SPECIFICATIONS.

PERMANENT PAVEMENT MARKING TABULATION							
	UNIT	TOTAL QUANTITY		CSAH 12 (109TH AVE)		PHEASANT	RIDGE DR
ITEM DESCRIPITION		WHITE	YELLOW	WHITE	YELLOW	WHITE	YELLOW
4" SOLID LINE MULTI-COMPONENT	LIN FT	14234	4287	14234	4287		
4" DOUBLE SOLID LINE MULTI-COMPONENT	LIN FT		4114		4114		
4" BROKEN LINE MULTI-COMPONENT	LIN FT	700		700			
8" DOTTED LINE MULTI-COMPONENT	LIN FT	36		36			
24" SOLID LINE PREFORM THERMO GROUND IN	LIN FT	86	17	60	17	26	
CROSSWALK PREFORM THERMOPLASTIC GROUND IN	SQ FT	523		325		198	
PAVEMENT MESSAGE PREFORM THERMOPLASTIC	SQ FT	207.36		207.36			

										_
						I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF	DRAWN BY DATE		ANOKA COUNTY	
						THE STATE OF MINNESOTA. PRINT NAME: SEAN R. THIEL	DESIGN BY DATE		HIGHWAY DEPT.	
NO NAME:	DATE P:\002-612-035\Ba	BY se\Traffic\P	CKD ermanent P	APPR avement Ma	REVISION arking Plan Notes & Tabulations.dwg	SIGNATURE: 1/28/2025 LICENSE NO. <u>45129</u>	CHECKED BY <u>SRT</u> DATE	ANOKA COUNTY		

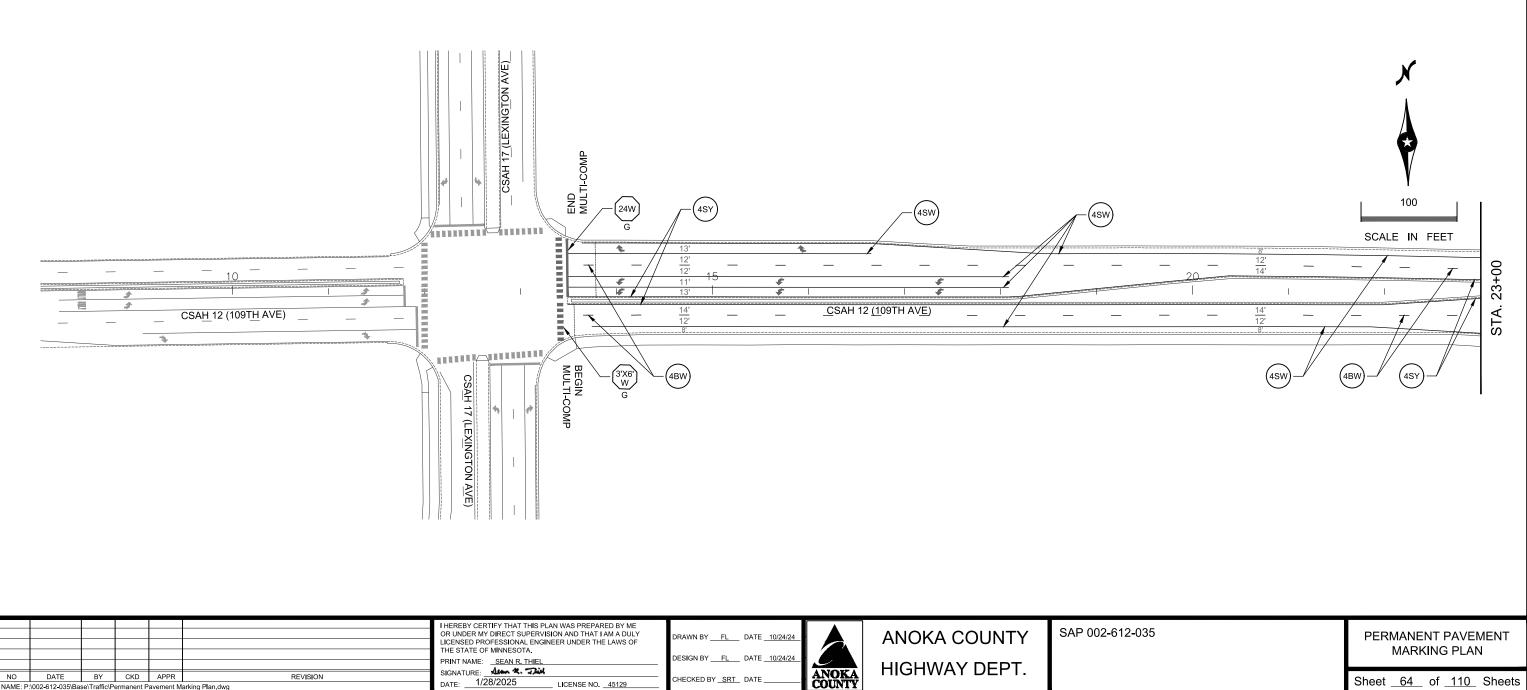
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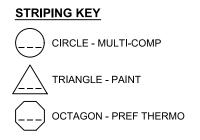
PAVEMENT MARKING SYMBOLS & MATERIALS LEGEND



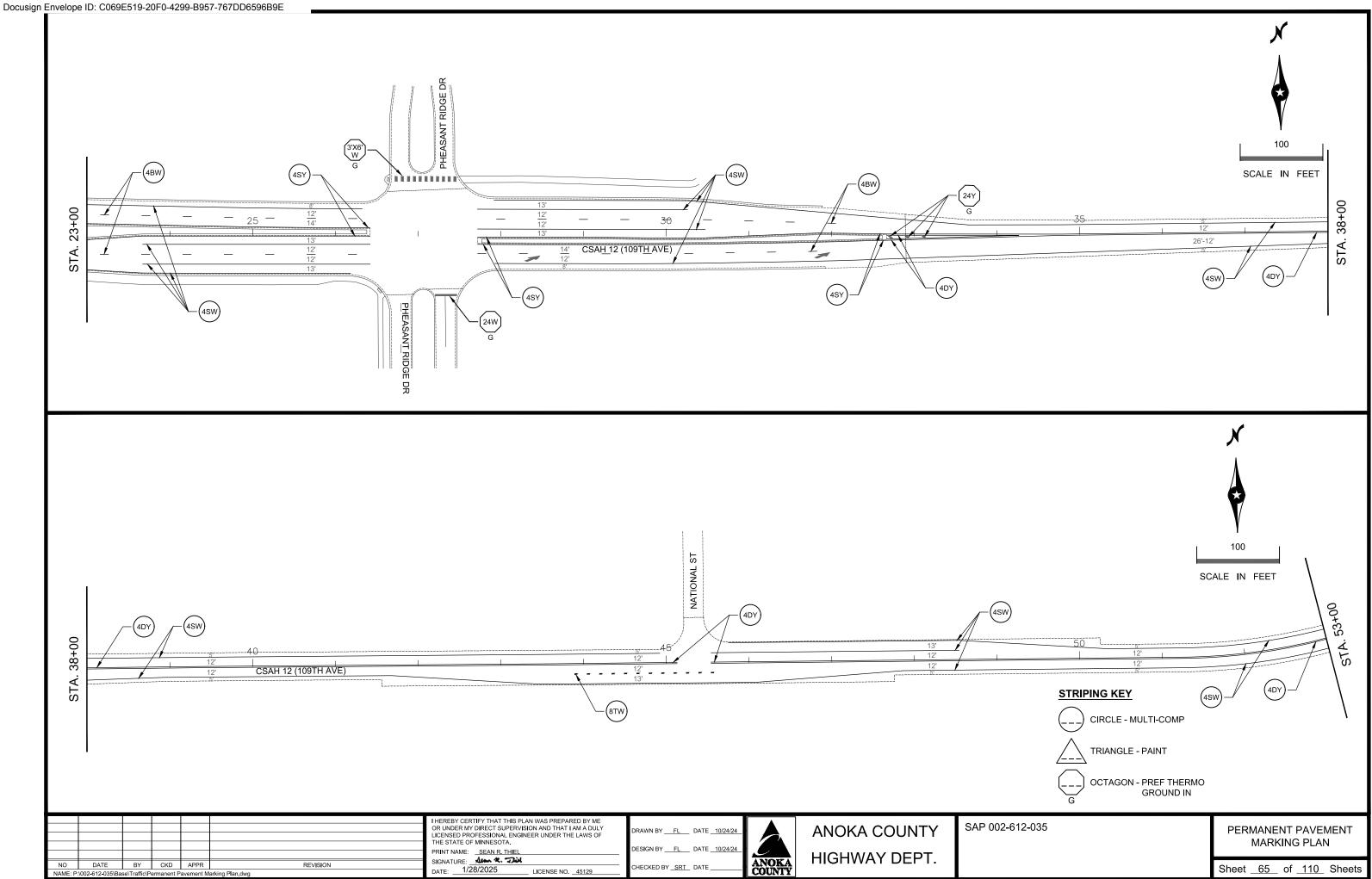
STRIPING NOTES: (TYP.)

- 1. LOCATIONS OF ALL PERMANENT STRIPING AND PAVEMENT MARKINGS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 2. ALL MAINLINE PERMANENT STRIPING AND PAVEMENT MARKINGS SHALL BE PLACED WITHIN 72 HOURS OF MAINLINE PAVING.
- 3. APPLY ALL PAVEMENT MARKINGS AS RECOMMENDED BY THE MATERIAL MANUFACTURER.
- 4. PERMANENT PAVEMENT MARKINGS AND STRIPING SHALL NOT BE PLACED OVER TEMPORARY TAPE MARKINGS.
- 5. MAINLINE MULTI-COMP MARKINGS SHALL MATCH INTO EXISTING PAINT.
- 6. PAVEMENT MARKINGS OUTSIDE OF WORK AREA AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE REMARKED WITH ORIGINAL MATERIAL OR AS SPECIFIED ON PLAN.

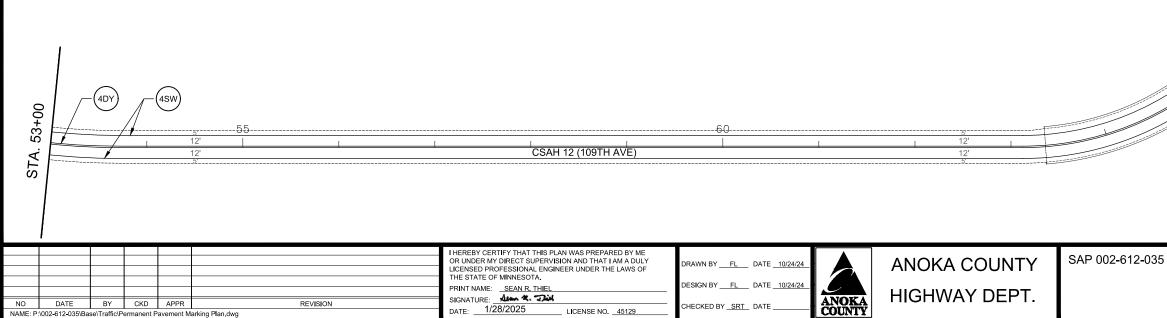


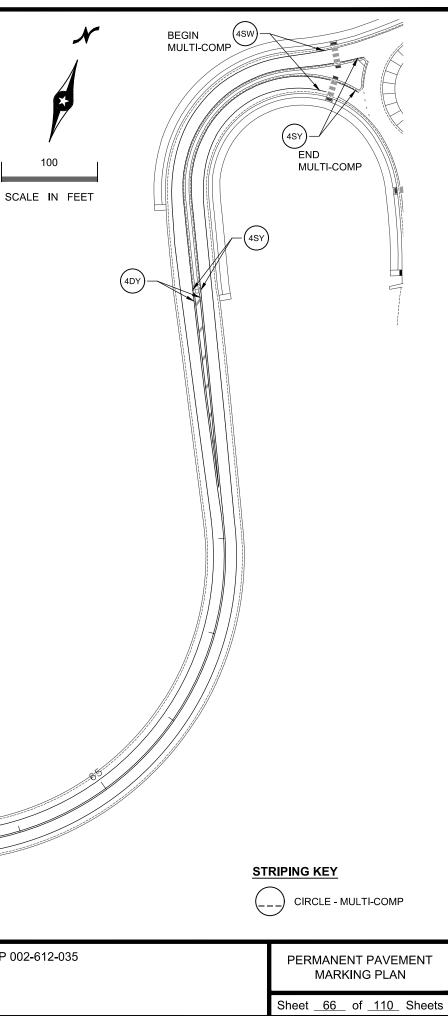


2-035	PERMANENT PAVEMENT MARKING PLAN
	Object C4 of 440 Objects



nent Marking Plan.dw





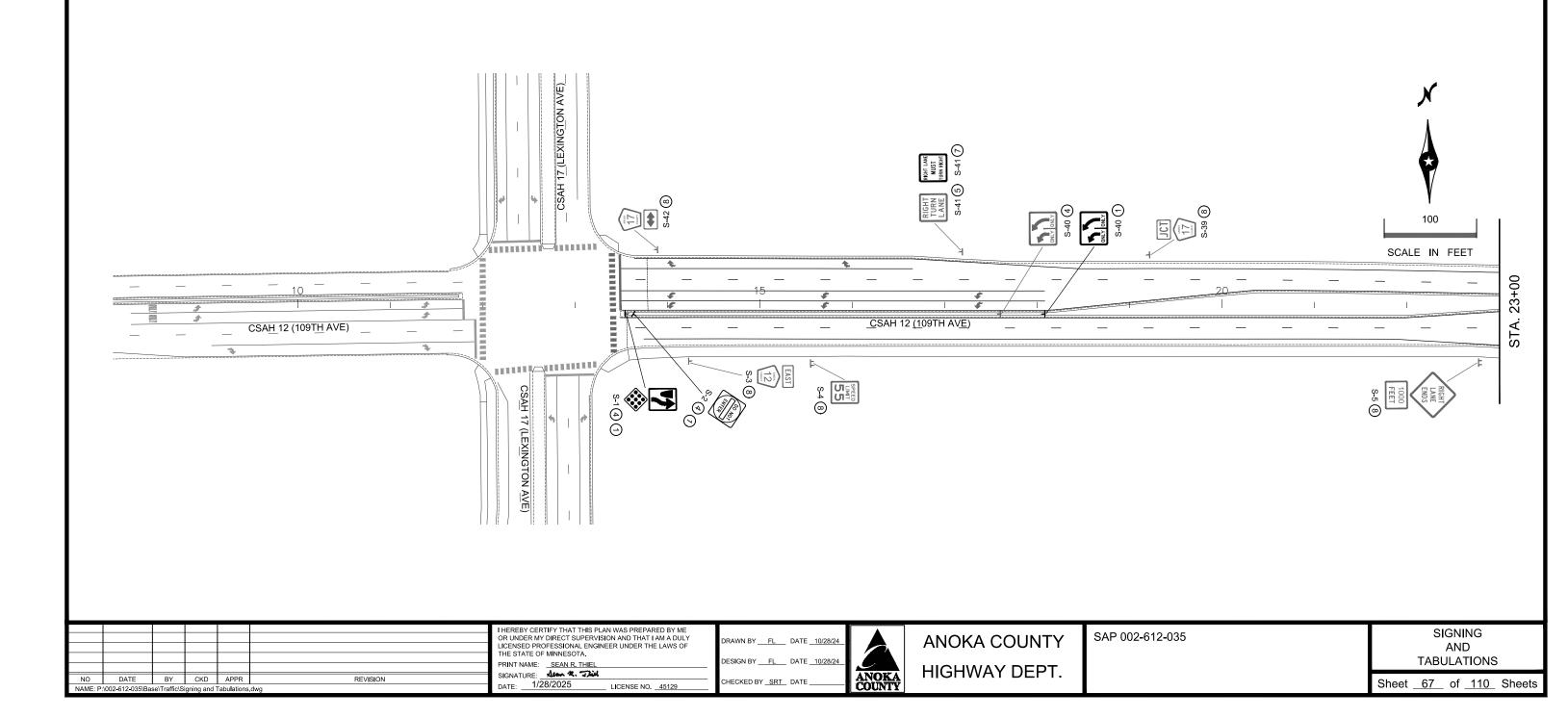
TRAFFIC CONTROL NOTES: (TYP.)

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE PLACED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD), INCLUDING PART 6, "FIELD MANUAL", DATED SEPTEMBER 2020.
- ALL SIGNS SHALL BE FURNISHED AND INSTALLED UNLESS OTHERWISE NOTED.
- ALL CENTER MEDIAN SIGNS ON CSAH 12 (109TH AVE), BETWEEN STA. 13+50 AND STA. 33+00, SHALL BE REMOVED, FABRICATED AND INSTALLED UTILIZING THE SQUARE TUBE SHEAR BOLT BASE IN ACCORDANCE TO MnDOT SPEC. 3402 AND THE ANOKA COUNTY SIGNING DETAILS.

TRAFFIC CONTROL DEVICES & SYMBOLS LEGEND

SYMBOL DESCRIPTION

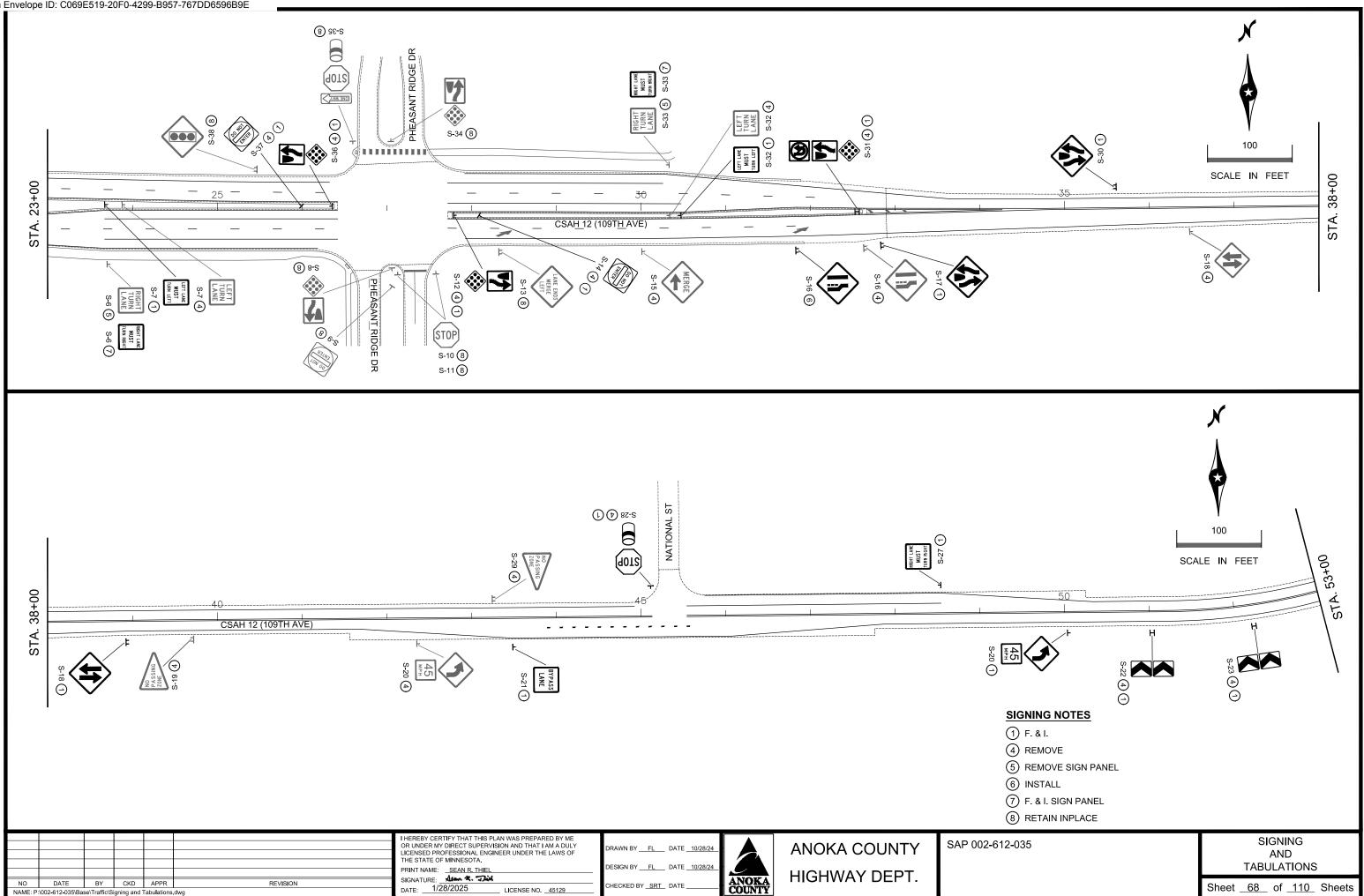
- TRAFFIC CONTROL SIGN (SINGLE POST) т
- Т
- ш TRAFFIC CONTROL SIGN (DOUBLE POST)

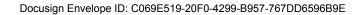


TRAFFIC CONTROL SIGN (SINGLE POST, BACK TO BACK)

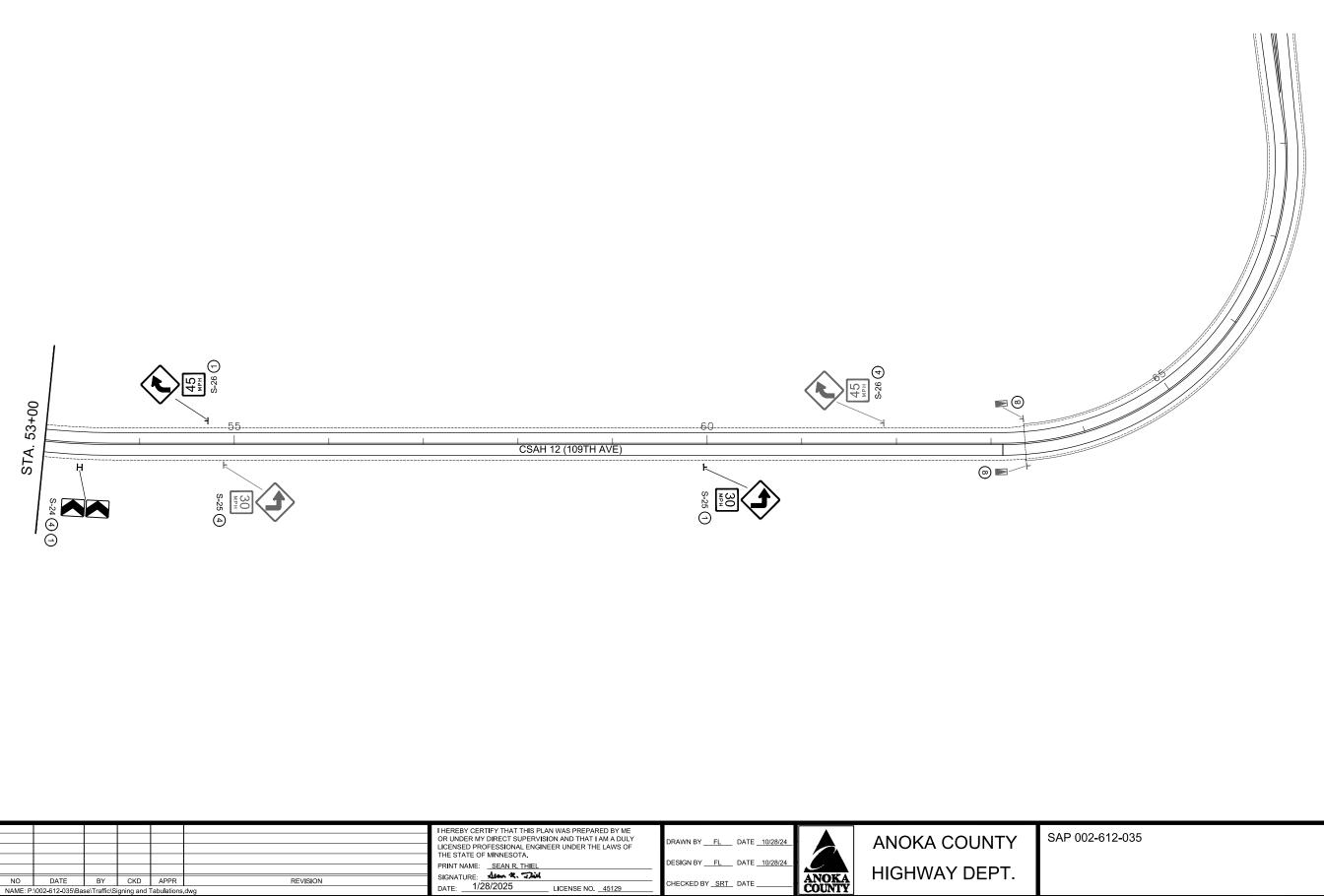
SIGNING NOTES

- (1) F.&I.
- 4 REMOVE
- 5 REMOVE SIGN PANEL
- (6) INSTALL
- (7) F. & I. SIGN PANEL
- (8) RETAIN INPLACE





REVISION



CHECKED BY <u>SRT</u> DATE

LICENSE NO. 45129



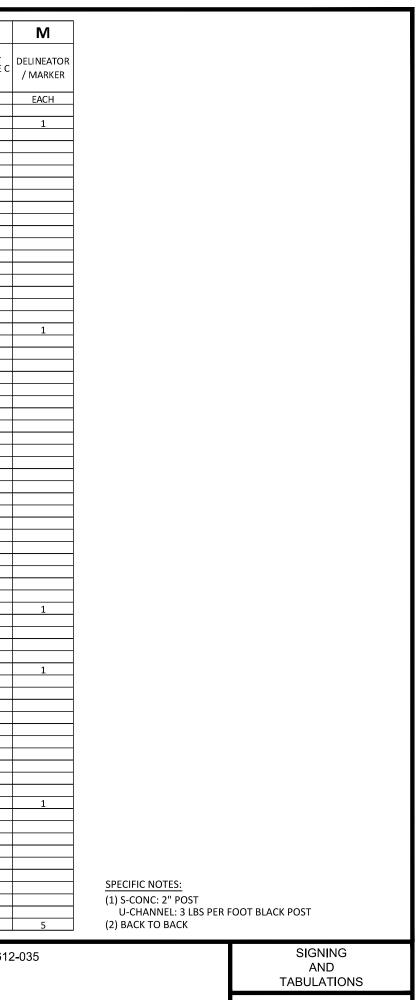
SIGNING NOTES

(1) F. & I. (4) REMOVE

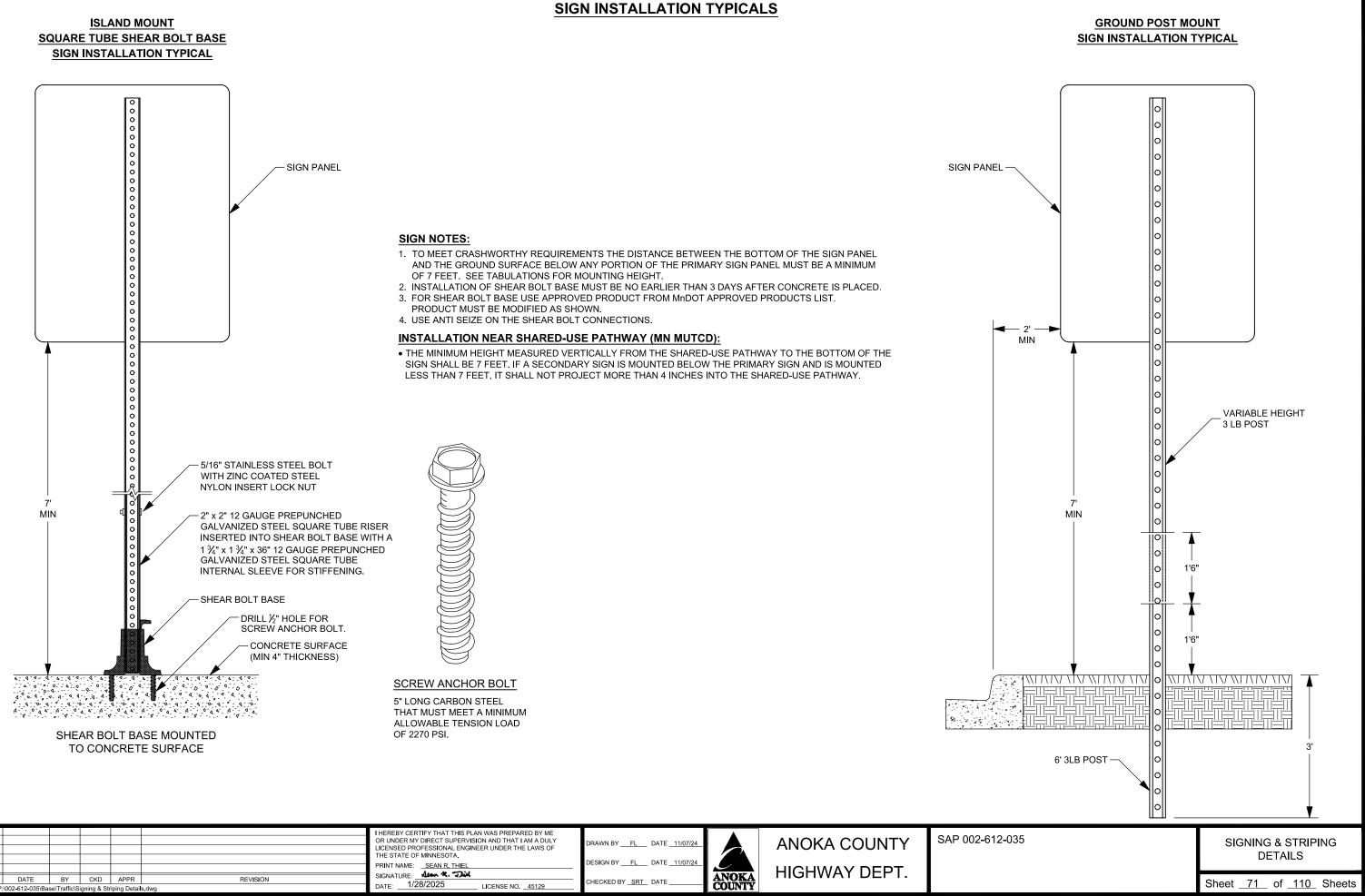
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2 000			AND)	
		TAB	JLA ⁻	FIONS	3
	Sheet	69	of	110	Sheets

		I	PANEL			SUP	PORT	REMOVE	REMOVE		INSTALL	INSTAL
	SIGN	PANEL		SIZE	MOUNTING	TYPE	NUMBER OF	SIGN	SIGN TYPE C	SIGN	SIGN	SIGN TYP
r	NUMBER	CODE	LEGEND	(W x H)	HEIGHT	(1)	POSTS	TYPE C	PANEL		TYPE C	PANEL
L				INCHES	FEET			EACH	EACH	SQ FEET	EACH	EACH
	S-1	R4-7		24 x 30	7	S-CONC	1	1		5.00	1	
F	S-2	OM1-1 R5-1	TYPE 1 OBJECT MARKER DO NOT ENTER	<u>18 x 18</u> 30 x 30	4	S-CONC	1	1		6.25	1	
		M3-2	EAST	24 x 12	,					0.25		
L	S-3	M1-6M	ANOKA COUNTY 12	24 x 24		U-SOIL						
L	S-4	R2-1	SPEED LIMIT 55	36 x 48		U-SOIL						
	S-5	W9-1R	RIGHT LANE ENDS	<u>36 x 36</u>	-	U-SOIL					<u> </u>	
⊢		W16-2P	1000 FEET RIGHT TURN LANE	24 x 18		U-SOIL			1			
	S-6	R3-X1R R3-7R	RIGHT LANE MUST TURN RIGHT	<u> </u>	- 7	U-SOIL			1	6.25	<u> </u>	1
		R3-X1L	LEFT TURN LANE	30 x 30	_	U-CONC		1		0.25		<u> </u>
L	S-7	R3-7L	LEFT LANE MUST TURN LEFT	30 x 30	- 7	S-CONC	1			6.25	1	
	S-8	R4-7	KEEP RIGHT	24 x 30		U-SOIL						
F		OM1-1	TYPE 1 OBJECT MARKER	<u>18 x 18</u>							<u> </u>	
-	S-9	R5-1	DO NOT ENTER	<u>30 x 30</u>		U-SOIL					<u> </u>	+
-	S-10 S-11	R1-1 R1-1	STOP STOP	30 x 30 30 x 30		U-SOIL U-SOIL						+
		R4-7	KEEP RIGHT	24 x 30	7					5.00		+
	S-12	OM1-1	TYPE 1 OBJECT MARKER	18 x 18	4	S-CONC	1	1			1	
	S-13	W9-2L	LANE ENDS MERGE LEFT	36 x 36		U-SOIL						
Ľ	S-14	R5-1	DO NOT ENTER	30 x 30	7	S-CONC	1	1		6.25	1	
	S-15	W20-X3L	MERGE	30 x 30		U-SOIL		1			<u> </u>	
-	S-16	W4-2R		<u>36 x 36</u>	7	U-SOIL	2	1		9.00	1	+
- H	S-17 S-18	W6-2 W6-3	DIVIDED HIGHWAY ENDS TWO WAY TRAFFIC	36 x 36 30 x 30	7	U-SOIL U-SOIL	2	1		9.00 6.25	1	+
	S-18 S-19	W14-3	NO PASSING ZONE	<u>30 x 30</u> x	/	U-SOIL	1	1		0.25		+
		W1-2L	LEFT CURVE	36 x 36	_					9.00	<u> </u>	
	S-20	W13-1P	ADVISORY SPEED 45	24 x 24	7	U-SOIL	1	1		4.00	1	
	S-21	R4-X8	BYPASS LANE	30 x 30	7	U-SOIL	1			6.25	1	
(2)	S-22	W1-8	CHEVRON	18 x 24	- 5	U-SOIL	1	1		3.00	1	
``' -		W1-8	CHEVRON	<u>18 x 24</u>	_		_	_		3.00		
(2)	S-23	W1-8 W1-8	CHEVRON	18 x 24	- 5	U-SOIL	1	1		3.00 3.00	1	
		W1-8	CHEVRON CHEVRON	<u>18 x 24</u> 18 x 24						3.00		+
(2)	S-24	W1-8	CHEVRON	18 x 24	- 5	U-SOIL	1	1		3.00	1	
	6.25	W1-1L	LEFT TURN	36 x 36	- 7		1	1		9.00	1	-
L	S-25	W13-1P	ADVISORY SPEED 30	24 x 24		U-SOIL	1	1		4.00	1	
	S-26	W1-2R	RIGHT CURVE	30 x 30	- 7	U-SOIL	1	1		6.25	1	
- -		W13-1P	ADVISORY SPEED 45	<u>24 x 24</u>				_		4.00		+
-	S-27	R3-7R R1-1	RIGHT LANE MUST TURN RIGHT STOP	30 x 30 30 x 30	7	U-SOIL	1			6.25 6.25	1	+
	S-28	X4-3	CIRCULAR DELINEATOR	4 x 15	- 7	U-SOIL	1	1		0.25	1	
	S-29	W14-3	NO PASSING ZONE	x		U-SOIL		1				+
	S-30	W6-1	DIVIDED HIGHWAY BEGINS	36 x 36	7	U-SOIL	2			9.00	1	
(2)		R3-4	NO U-TURN	24 x 24	- 7					4.00		
`_'	S-31	R4-7		24 x 30		U-CONC	1	1		5.00	1	
\vdash		OM1-1 R3-X1L	TYPE 1 OBJECT MARKER LEFT TURN LANE	<u>18 x 18</u> 30 x 30	4			1			<u> </u>	+
	S-32	R3-7L	LEFT FORN LANE	30 x 30 30 x 30	7	S-CONC	1	1		6.25	1	+
	6.77	R3-X1R	RIGHT TURN LANE	30 x 30	_,	LL COU			1			
L	S-33	R3-7R	RIGHT LANE MUST TURN RIGHT	30 x 30	7	U-SOIL				6.25		
	S-34	R4-7	KEEP RIGHT	24 x 30		U-SOIL						+
F	5.54	OM1-1	TYPE 1 OBJECT MARKER	<u>18 x 18</u>		0.0012					 	+
	S-35	R6-1R	ONE WAY RIGHT STOP	<u>36 x 12</u>		U-SOIL	1				───	+
		R1-1 X4-3	CIRCULAR DELINEATOR	<u> </u>		0-301L					<u> </u>	+
\vdash		R4-7	KEEP RIGHT	24 x 30	7					5.00	<u> </u>	+
L	S-36	OM1-1	TYPE 1 OBJECT MARKER	18 x 18	4	S-CONC	1	1			1	
	S-37	R5-1	DO NOT ENTER	30 x 30	7	S-CONC	1	1		6.25	1	
F	S-38	W3-3	SIGNAL AHEAD	48 x 48	ļ	U-SOIL						
	S-39	M2-1		21 x 15	-	U-SOIL					<u> </u>	+
\vdash	S-40	M1-6M R3-8AB	ANOKA COUNTY 17 LANE USE CONTROL DOUBLE LEFT	24 x 24 36 x 30	7	S-CONC	1	1		7.50	1	+
\vdash		R3-8AB R3-X1R	RIGHT TURN LANE	36 x 30 30 x 30				1	1	7.50	<u> </u>	+
	S-41	R3-7R	RIGHT LANE MUST TURN RIGHT	30 x 30	7	U-SOIL			-	6.25	1	
	S-42	M1-6M	ANOKA COUNTY 17	24 x 24		U-SOIL				_		
L	5-42	M6-4	DOUBLE ARROW	21 x 15		0-SUIL						+
							TOTAL	22	3	188	23	

						I HEREBY CERTIFY THAT THIS PLAN 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. PRINT NAME: <u>SEAN R. THIEL</u>	DRAWN BY <u>FL</u> DATE <u>10/28/24</u> DESIGN BY <u>FL</u> DATE <u>10/28/24</u>		ANOKA COUNTY HIGHWAY DEPT.
NO	DATE	BY	CKD	APPR	REVISION	SIGNATURE: ALIAN & TAN	CHECKED BY SRT DATE	ANOKA	HIGHWAT DEFT.
NAME: P:	002-612-035\Bas	e\Traffic\Si	gning and	Fabulations	dwg	DATE: 1/28/2025 LICENSE NO. 45129		COUNTY	

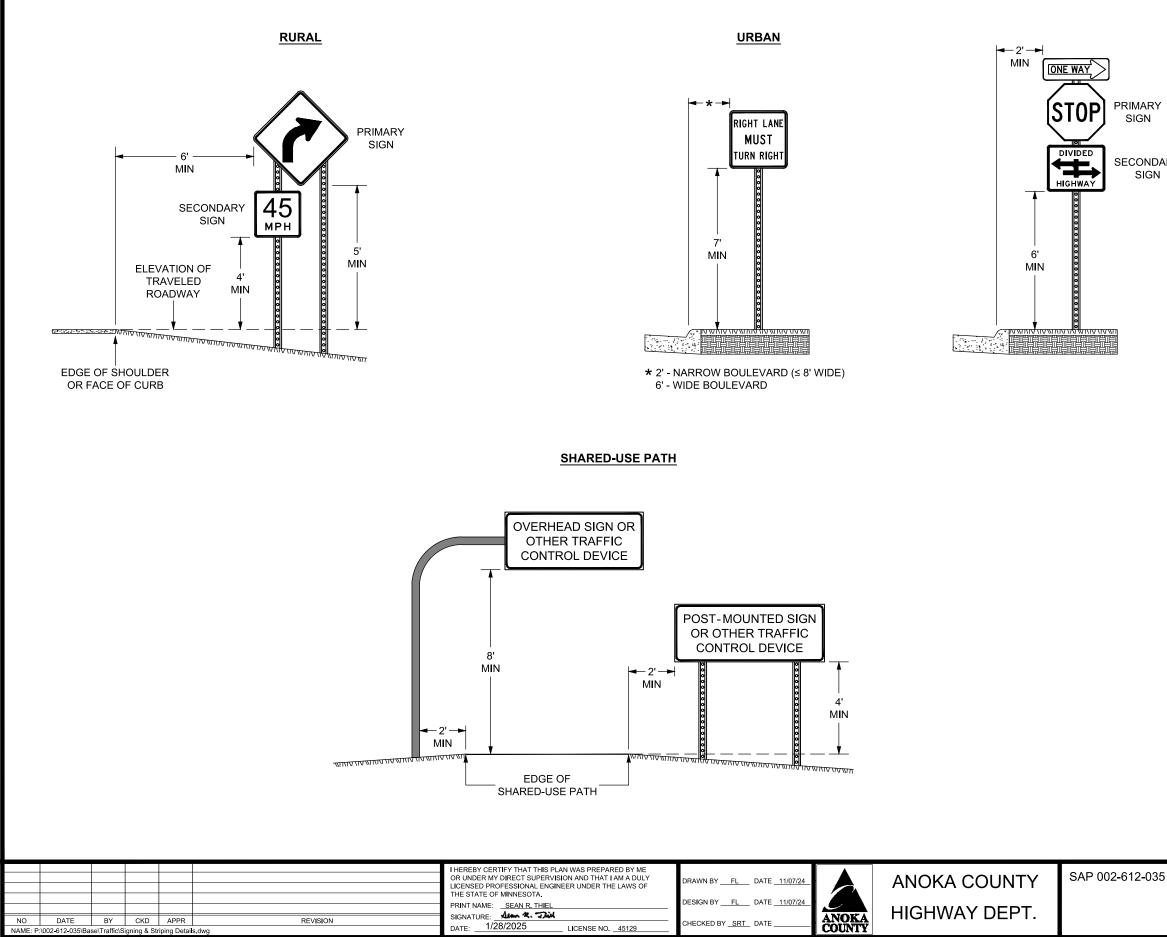


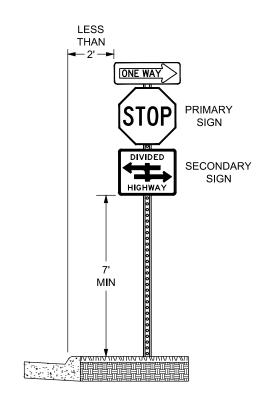
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						I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	DRAWN BY <u>FL</u> DATE <u>11/07/24</u> DESIGN BY <u>FL</u> DATE <u>11/07/24</u>		ANOKA COUNTY	SAP 002-
NO NAME: F	DATE 2:\002-612-035\Ba	BY se\Traffic\S	CKD Signing & St	APPR triping Detai	REVISION Is,dwg	PRINT NAME: <u>SEAN R. THIEL</u> SIGNATURE: Jum R. TXXI DATE: <u>1/28/2025</u> LICENSE NO. <u>45129</u>	CHECKED BY <u>SRT</u> DATE	ANOKA COUNTY	HIGHWAY DEPT.	

SIGN PLACEMENT TYPICALS





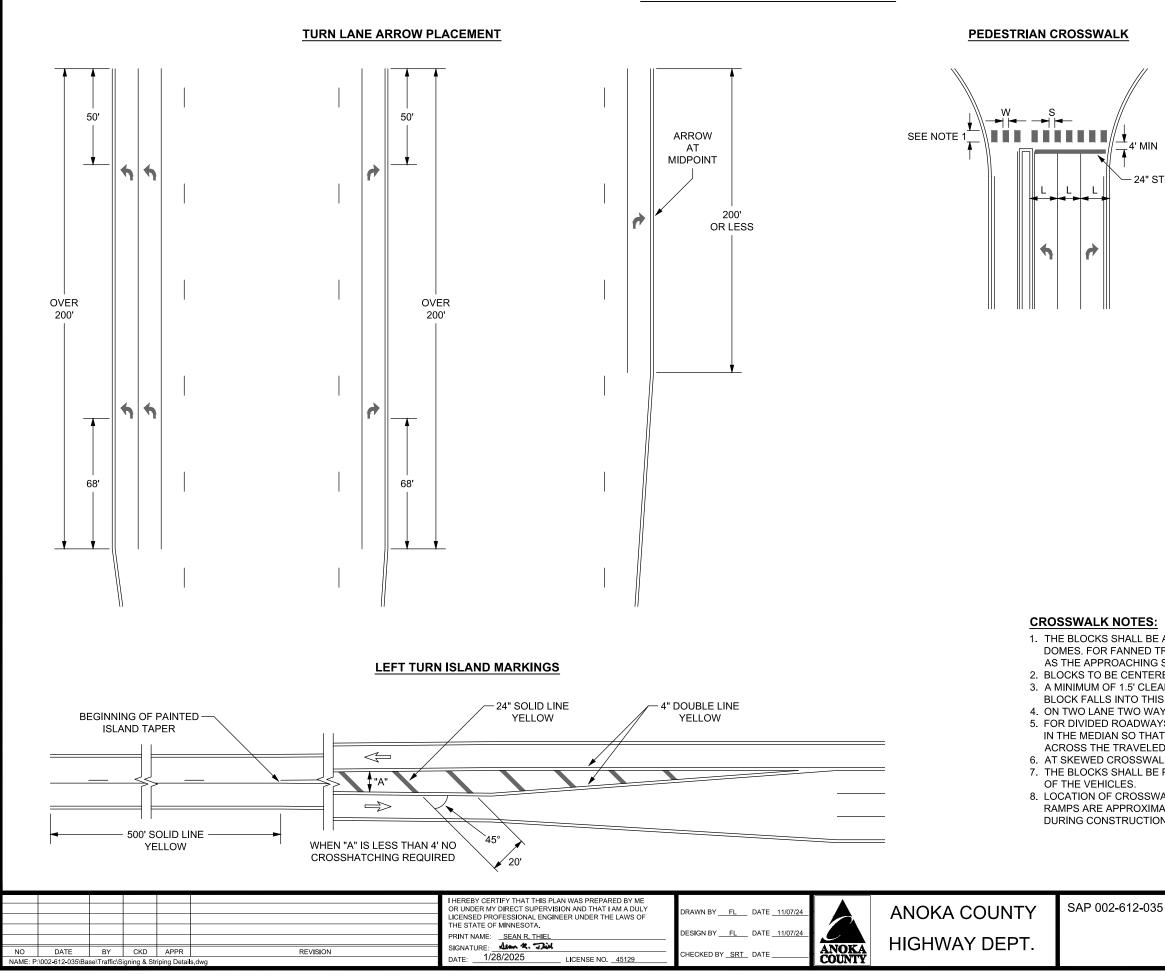
SECONDARY SIGN

NOTES:

- ALL DIMENSIONS ARE MINIMUMS.
- MAINTAIN A DISTANCE OF 2' BETWEEN TRAFFIC CONTROL DEVICE AND SHARED-USE PATH.
- 7' SIGN CLEARANCE IF 2' DISTANCE BETWEEN SIGN AND SHARED-USE PATH CANNOT BE MAINTAINED.

SIGNING & STRIPING
DETAILS

PAVEMENT MARKING TYPICALS



4' MIN

24" STOP BAR

(L) WIDTH OF INSIDE LANE	(W) WIDTH OF PAINTED AREAS	(S) WIDTH OF SPACE
9'	2.0'	2.5'
10'	2.5'	2.5'
11'	2.5'	3.0'
12'	3.0'	3.0'
13'	3.0'	3.5'

1. THE BLOCKS SHALL BE A MINIMUM OF 6' AND AT LEAST AS LONG AS THE TRUNCATED DOMES. FOR FANNED TRUNCATED DOMES THE BLOCKS SHALL BE AT LEAST AS LONG AS THE APPROACHING SIDEWALK OR SHARED-USE PATH.

2. BLOCKS TO BE CENTERED ON CENTERLINE AND LANE LINES

3. A MINIMUM OF 1.5' CLEAR DISTANCE SHALL BE LEFT ADJACENT TO THE CURB FACE. IF BLOCK FALLS INTO THIS DISTANCE IT MUST BE OMITTED.

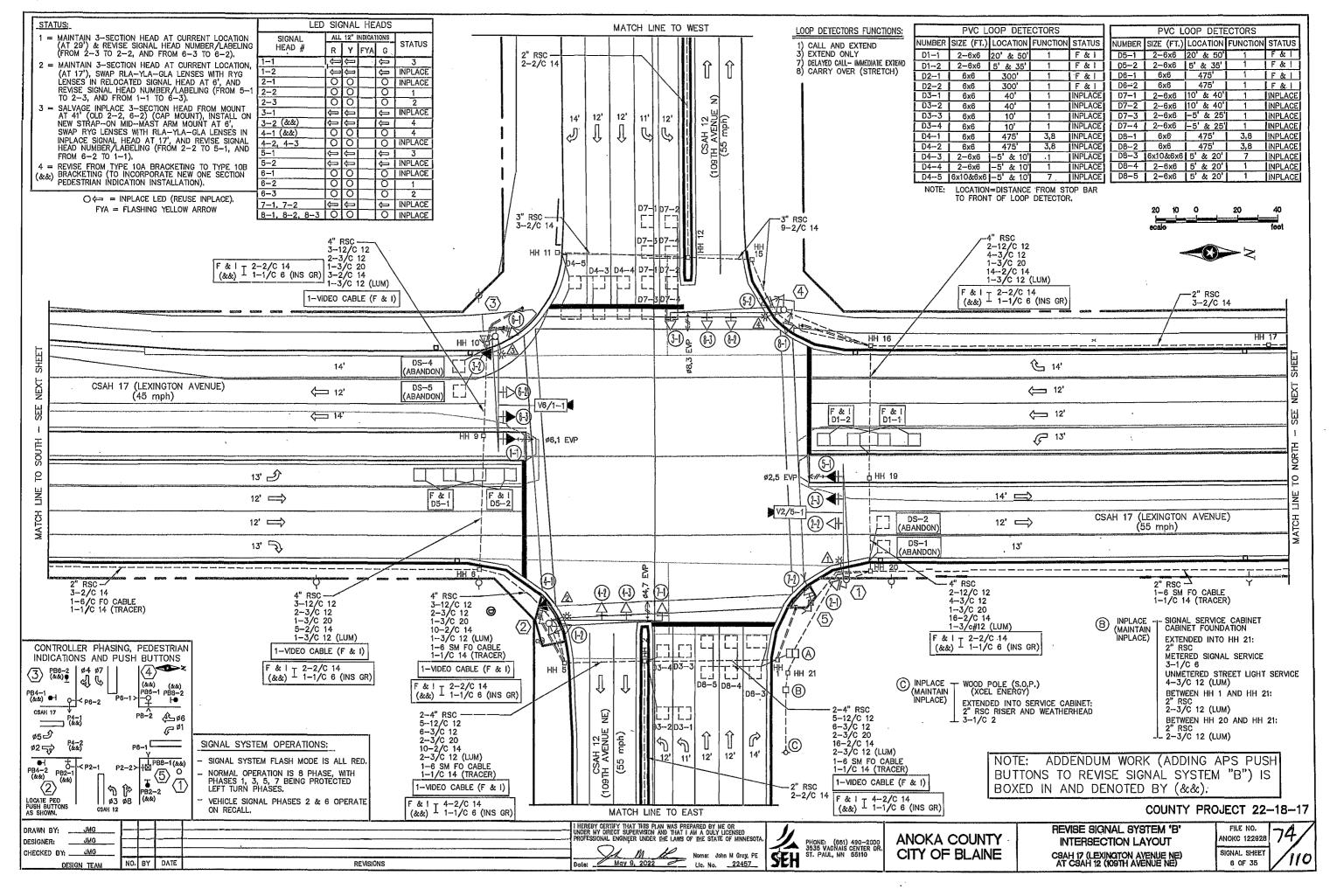
4. ON TWO LANE TWO WAY STREETS, USE SPACING SHOWN FOR AN 11' INSIDE LANE. 5. FOR DIVIDED ROADWAYS, ADJUSTMENTS IN SPACING OF THE BLOCKS SHOULD BE MADE IN THE MEDIAN SO THAT THE BLOCKS ARE MAINTAINED IN THEIR PROPER LOCATION ACROSS THE TRAVELED PORTION OF THE ROADWAY.

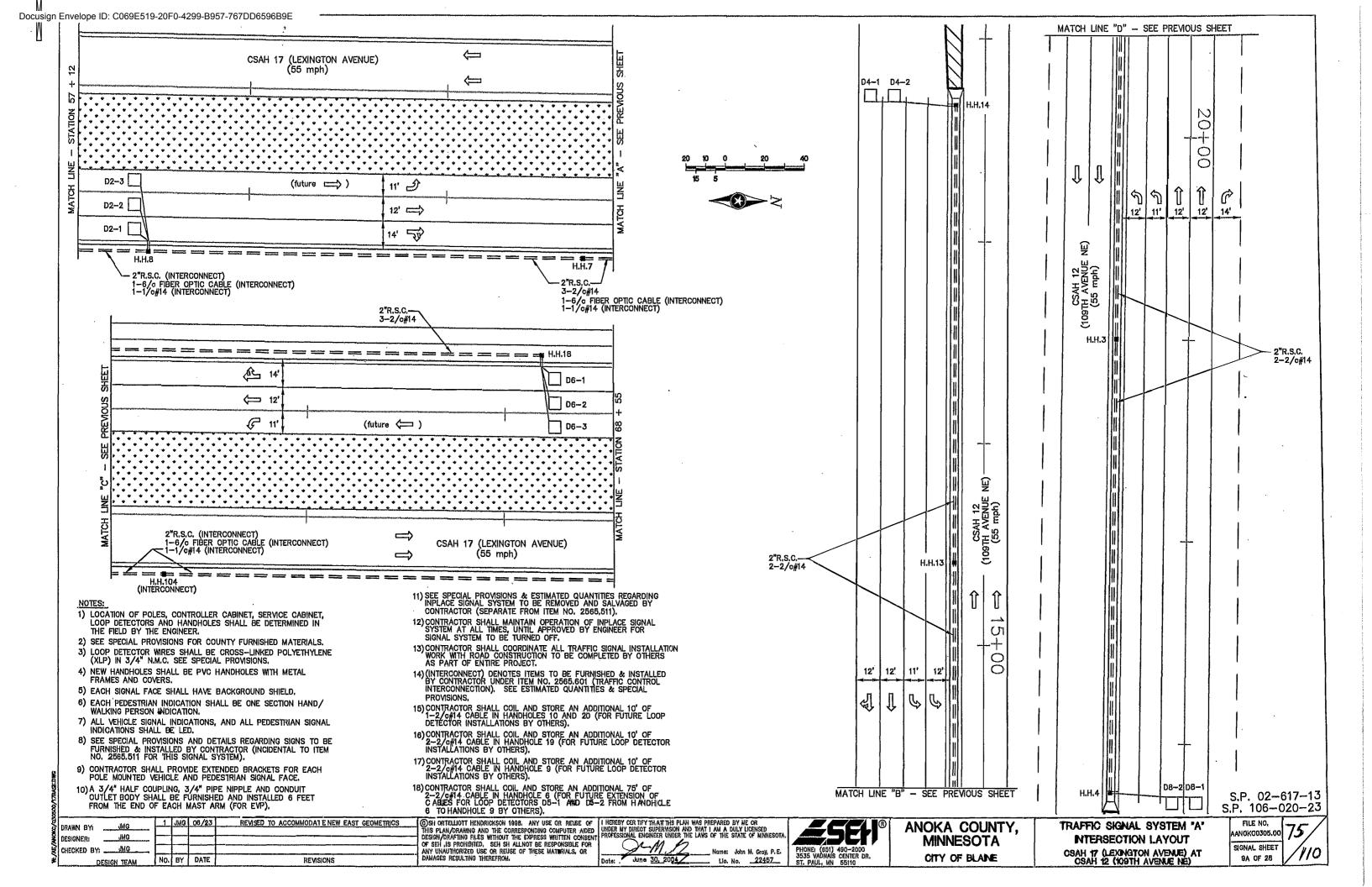
6. AT SKEWED CROSSWALKS, THE BLOCKS ARE TO REMAIN PARALLEL TO THE LANE LINES. 7. THE BLOCKS SHALL BE PLACED SO THAT THEY ARE NOT LOCATED IN THE WHEEL PATH

8. LOCATION OF CROSSWALK BLOCKS, STOP BARS, SIGNAL LOOPS AND PEDESTRIAN RAMPS ARE APPROXIMATE. FINAL LOCATIONS TO BE DETERMINED AND FIELD VERIFIED DURING CONSTRUCTION BY THE FIELD ENGINEER.

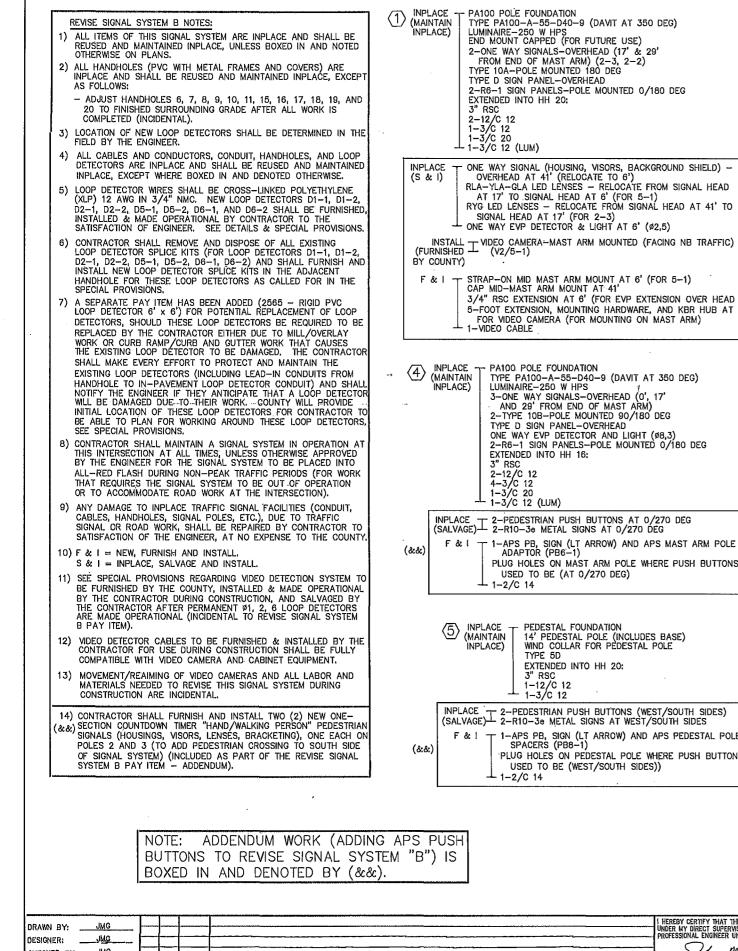
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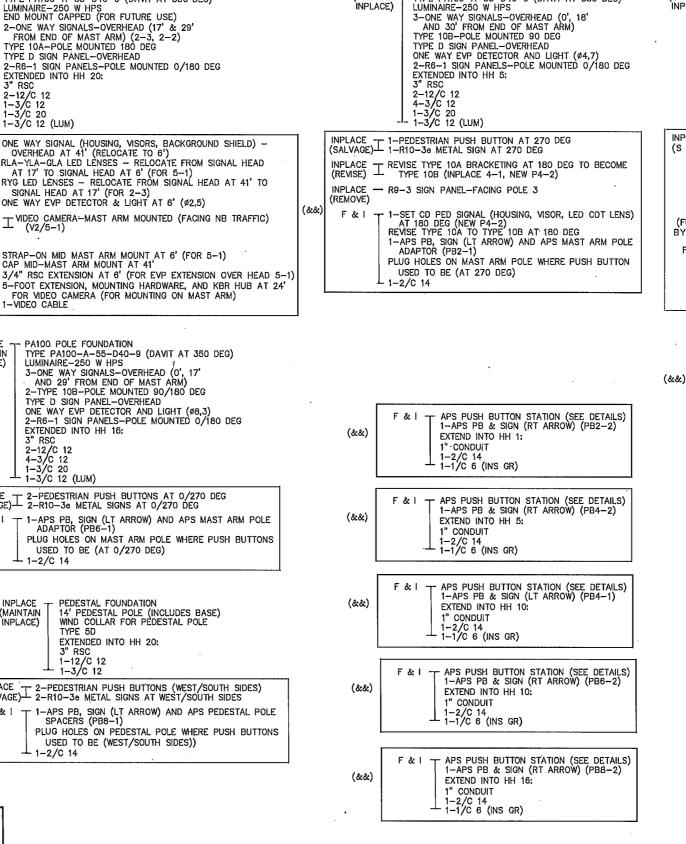
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	energia				<u> </u>		/	at provide the state and the state of the state that from a state of the state of t	HH 18
			Wang sair daga yang terdaktikan kengkang peran Adriansi kengkangkan	S SHEET	IHS SNO		<u>ک</u>		
		CSAH 17 (LEXINGTON AVENUE) (45 mph)		SKE VIOUS	E PREV				F & I D6-1 D6-2
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OLD D2-3 (ABANDON)			F & 1 D2-2 F & 1 D2-1				`	CSAH 17 (LEXING (55 mph	ION AVENUE)
(ABANDON) L - OLD D2-1 C - (ABANDON) L -	had a second	Ð		MATCH	MATC				
2" RSC	a ana ana ana ana ana ana ana ana ana a	HH 7 TO HH 8:		ORF 1-2/C 14 (CABLE					
1-1/C 14 (IRAGER)		$\begin{array}{c} 1-6/C \text{ FO CABLE} \\ 1-1/C 14 (TRACER) \end{array}$ $\begin{array}{c} 3-2/C 14 - \text{INPLACE (SALVAGE} \\ \text{BACK FROM HH 8 TO HH 7)} \end{array}$	25) IN HH	ORE 1-2/C 14 (CABLE 7 (FOR FUTURE USE)			2" 1-6 1-1	RSC — SM FO CABLE /C 14 (TRACER)	
									COUNTY PROJECT 22-1
DRAWN BY:				J HEREBY CERTIFY THAT THIS PLAN WAS UNDER MY DIRECT SUPERVISION AND TH PROFESSIONAL ENGINEER UNDER THE LA	PREPARED BY ME OR AT I AM A DULY LICENSED WS OF THE STATE OF MINNESOT	A 2 PHONE: (661) 490-201 3535 VADIVAIS CENTER SEH SEH S5110		REVISE SIGNAL MATCH I	SYSTEM "B" FILE NO. ANOKC 122928





(MAINTAIN

INPLACE T PA100 POLE FOUNDATION

TYPE PA100-A-55-D40-9 (DAVIT AT 350 DEG)

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 DESIGNER:
 JMG

 CHECKED BY:
 JMG

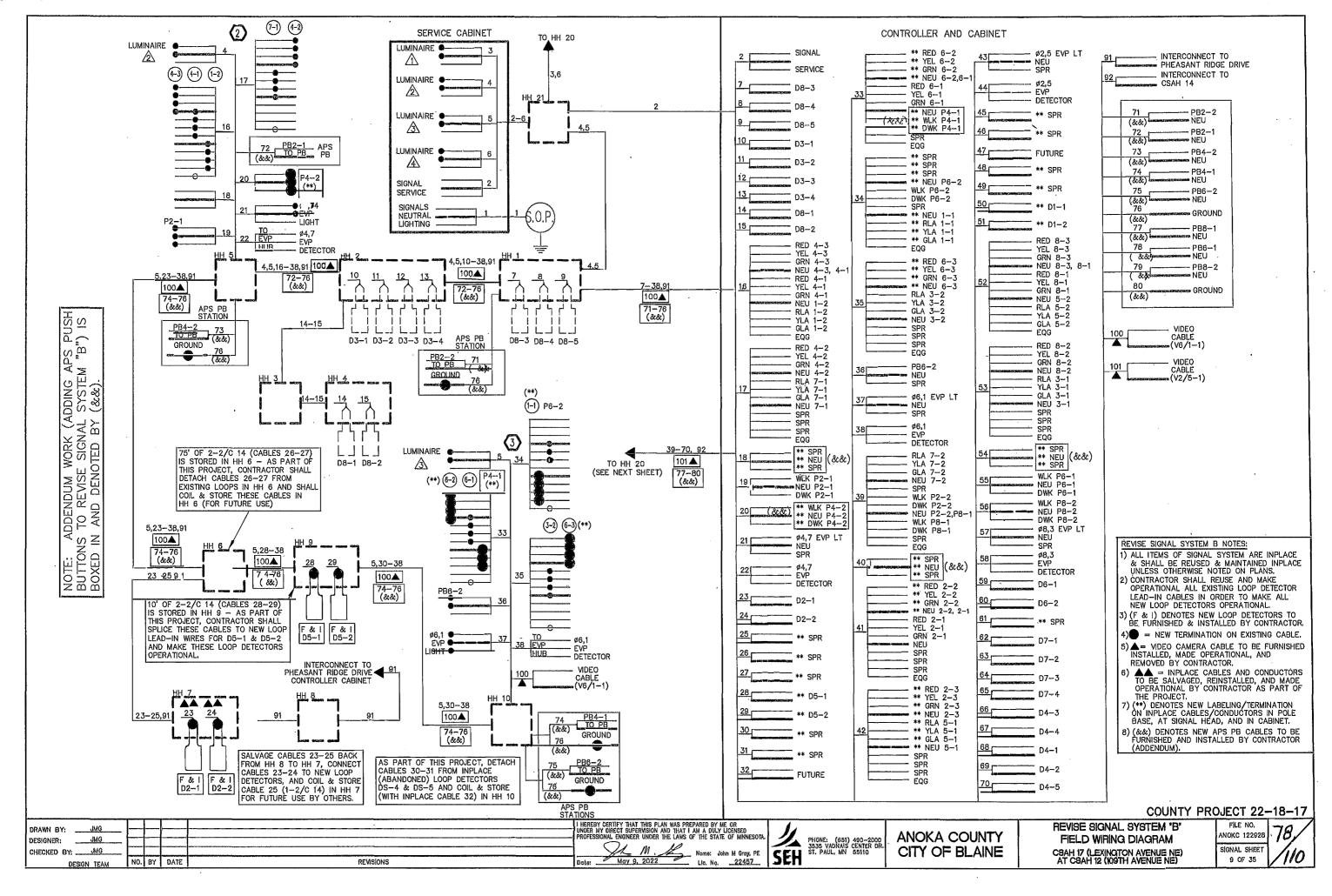
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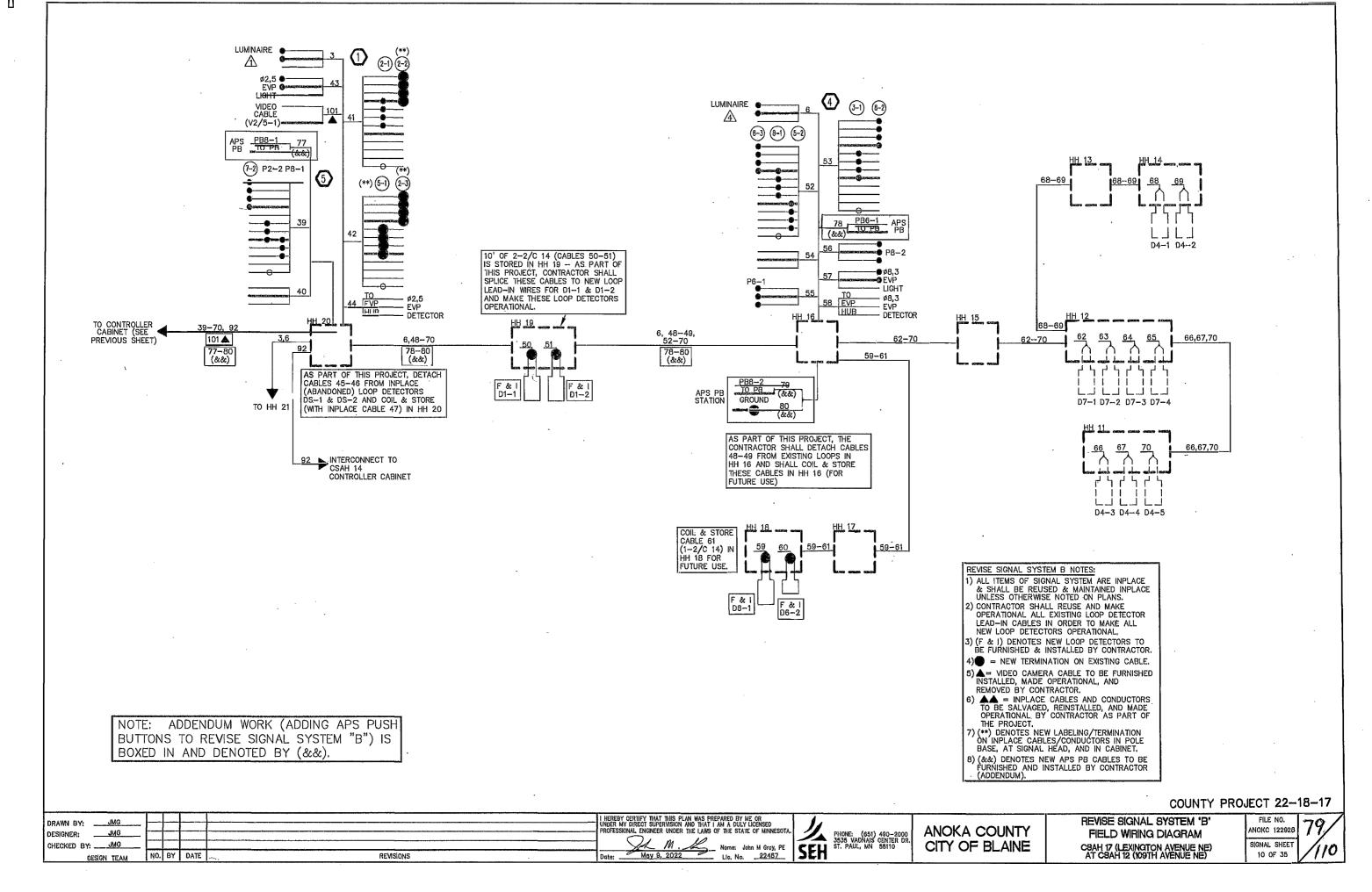
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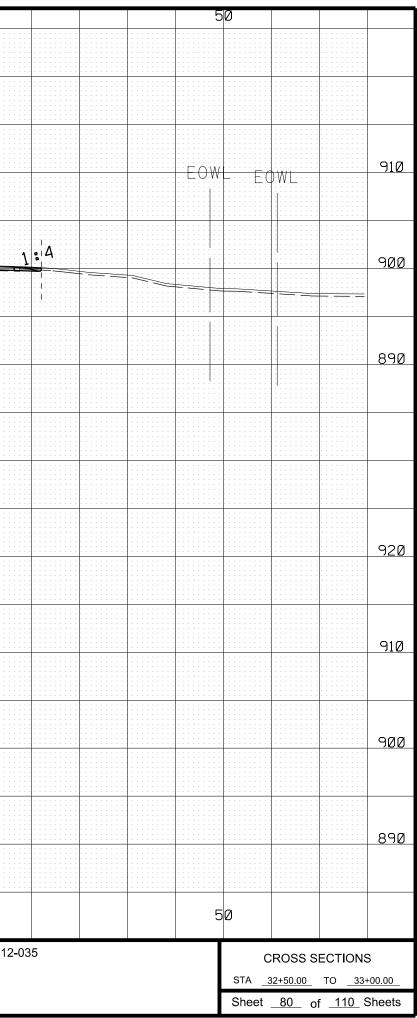
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 Lic. No. 22457

INPL (MAIN INPL			
(S & (FU BY	ACE ONE WAY SIGNAL (HOUSING, VISORS, BACKGR(OVERHEAD AT 41' (RELOCATE TO 6') RLA-YLA-GLA LED LENSES - RELOCATE FROM AT 17' TO SIGNAL HEAD AT 6' (FOR 1-1) RYG LED LENSES - RELOCATE FROM SIGNAL SIGNAL HEAD AT 17' (FOR 6-3) ONE WAY EVP DETECTOR & LIGHT AT 6' (ϕ 6, INSTALL TUDEO CAMERA-MAST ARM MOUNTED (FAC RNISHED T (ϕ 6/1-1) COUNTY) & I STRAP-ON MID MAST ARM MOUNT AT 6' (FO CAP MID-MAST ARM MOUNT AT 41' 3/4" RSC EXTENSION AT 6' (FOR EVP EXTEN 5-FOOT EXTENSION, MOUNTING HARDWARE, A FOR VIDEO CAMERA (FOR MOUNTING ON M/ 1-VIDEO CABLE	M SIGNAL HEA HEAD AT 41' I) ING SB TRAFFI R 1-1) SION OVER HE ND KBR HUB	D ro C) AD 1-1)
(3836)	$ \begin{array}{c} \text{INPLACE} & 1 - PEDESTRIAN PUSH BUTTON AT 180 DI (SALVAGE) \Box 1-R10-3e METAL SIGN AT 180 DEG(NPLACE) \Box REVISE TYPE 10A BRACKETING AT 90 DI(REVISE) \Box REVISE TYPE 10B (INPLACE 3-2, NEW P4-1)INPLACE - R9-3 SIGN PANEL-FACING POLE 2(REMOVE)F & I \Box 1-SET CD PED SIGNAL (HOUSING, VISORAT 90 DEG (NEW P4-1)REVISE TYPE 10A TO TYPE 10B AT 90PLUG HOLES ON MAST ARM POLE WHERUSED TO BE (AT 180 DEG)$	EG TO BECOME , LED CDT LEI DEG	NS)
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<u>ry</u>	COUNTY PRO REVISE SIGNAL SYSTEM 'B' NOTES	FILE NO. ANOKC 122928	-18-17 77/
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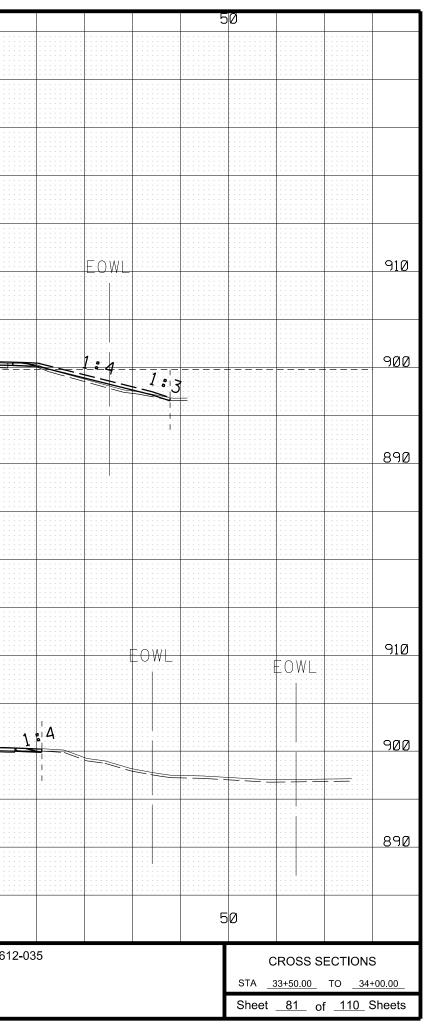




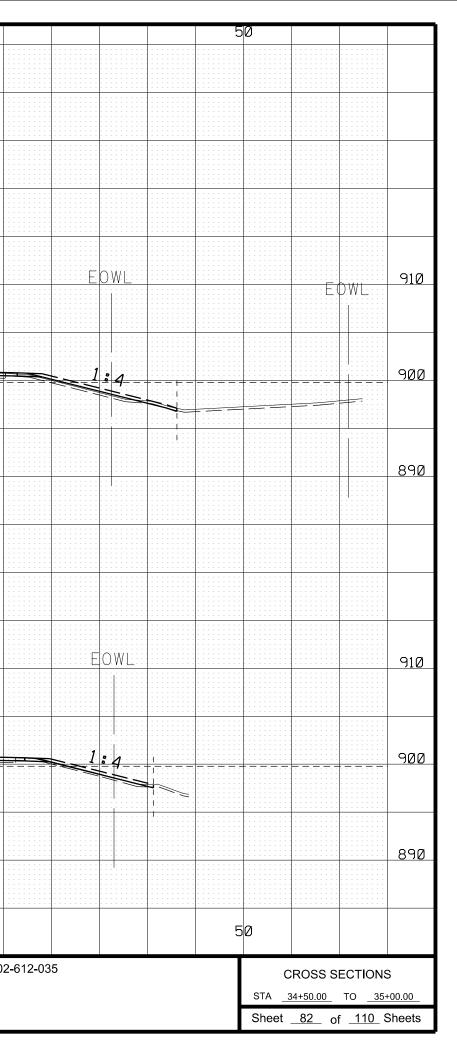
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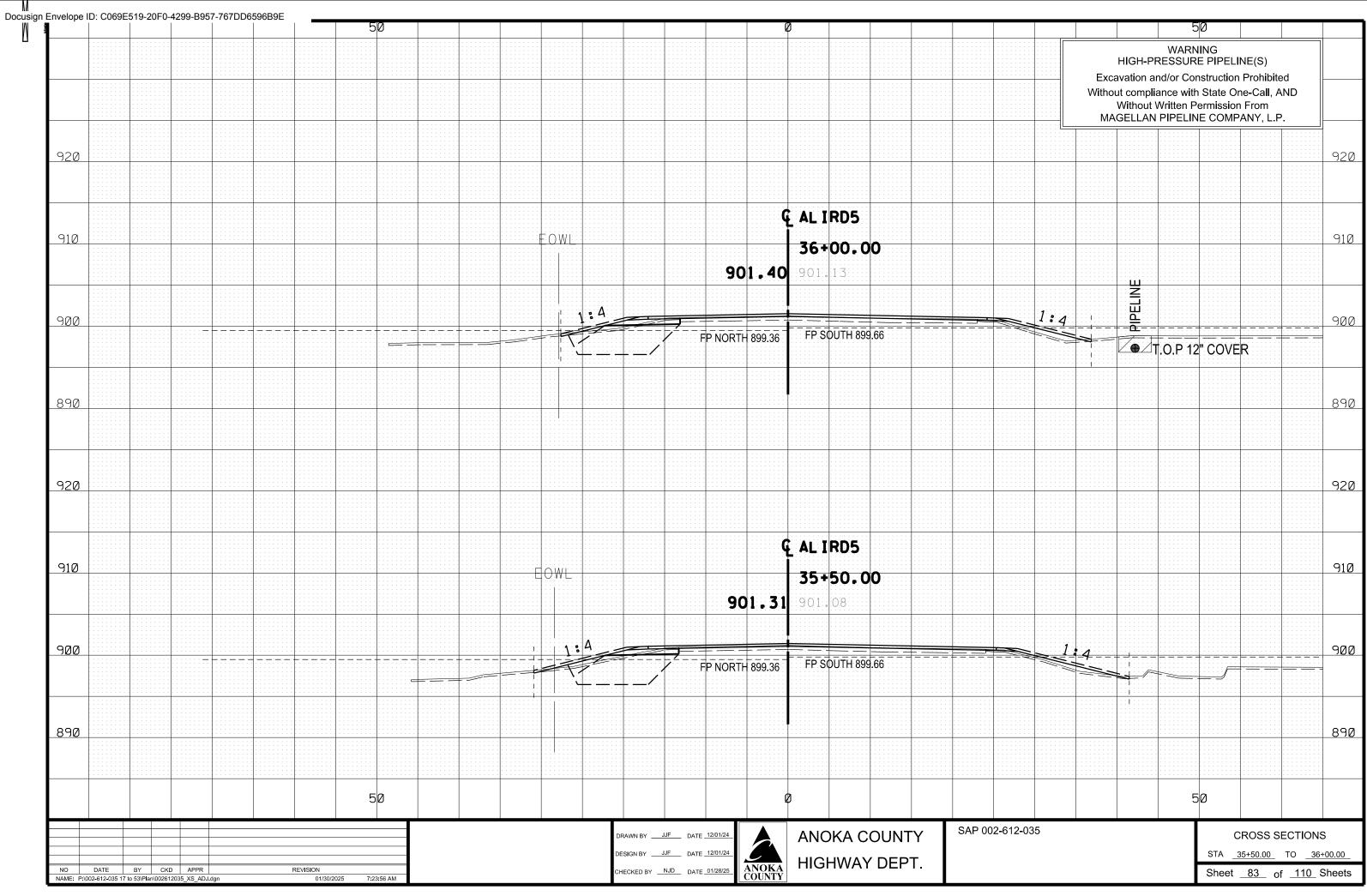


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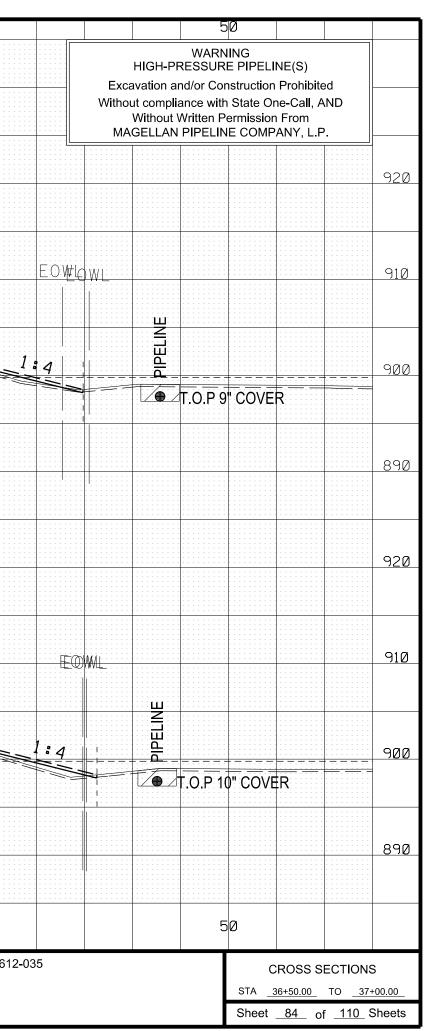
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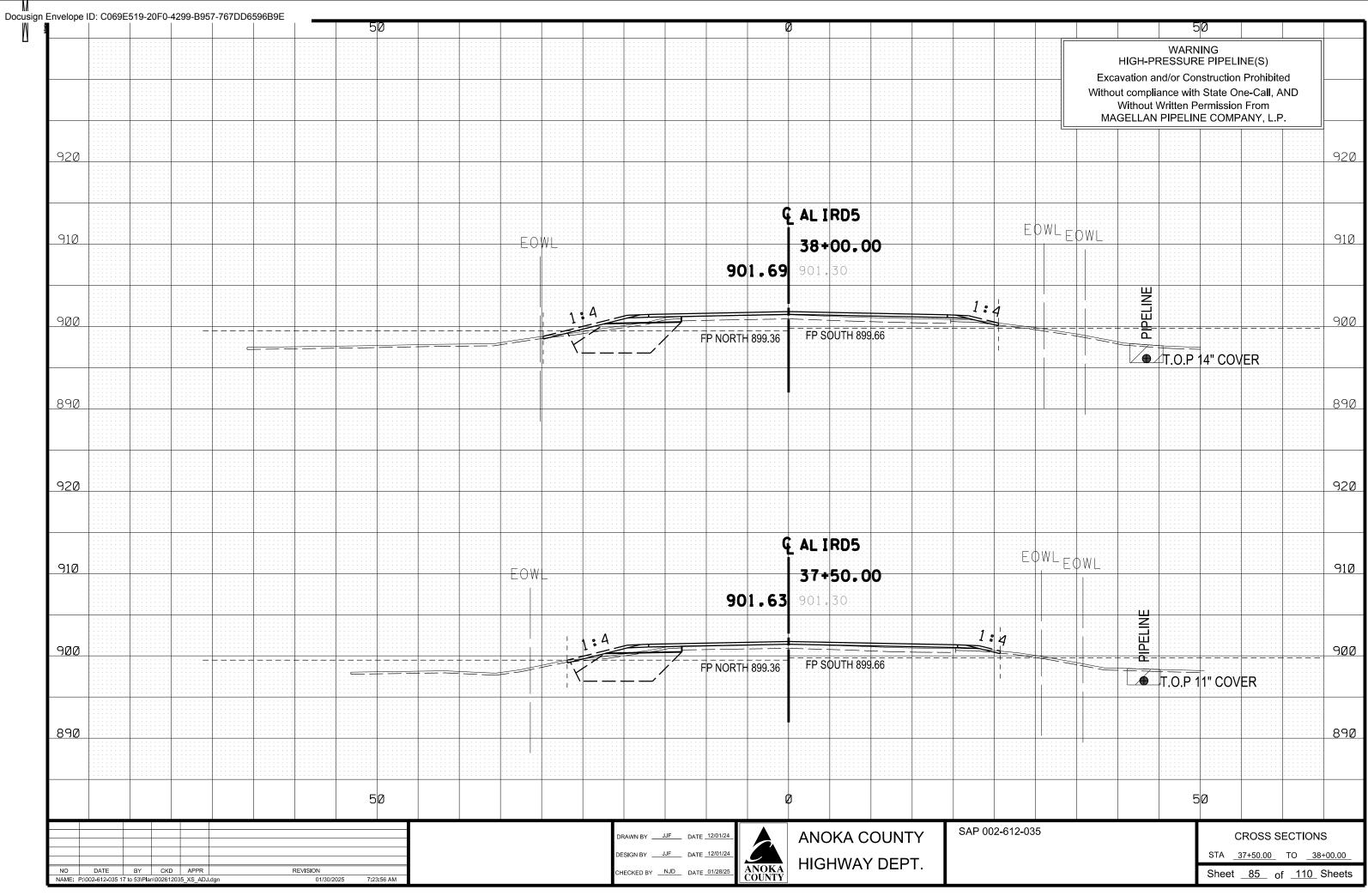




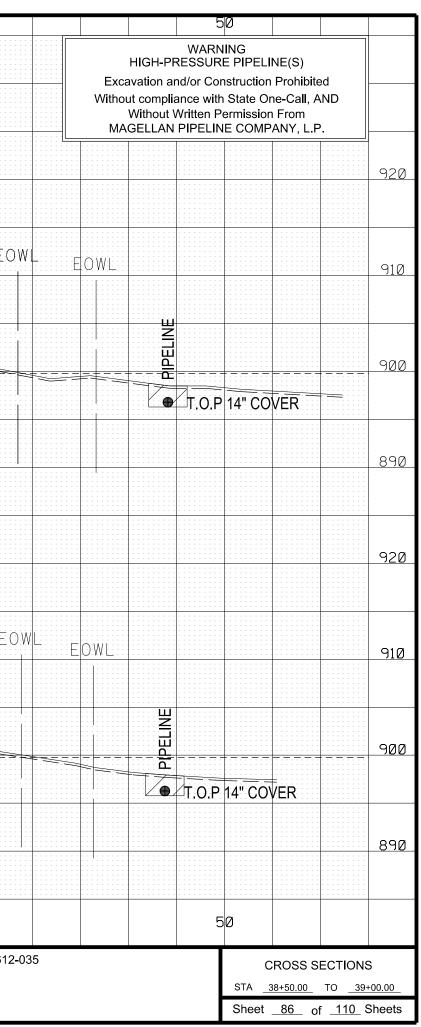
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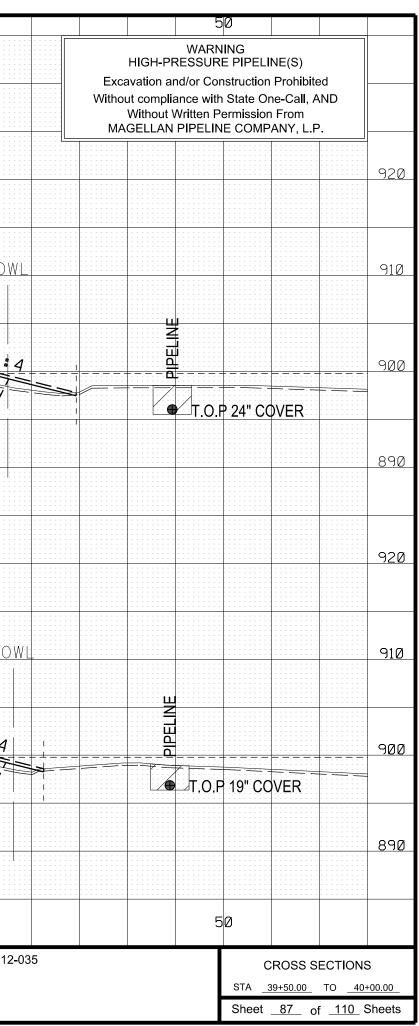


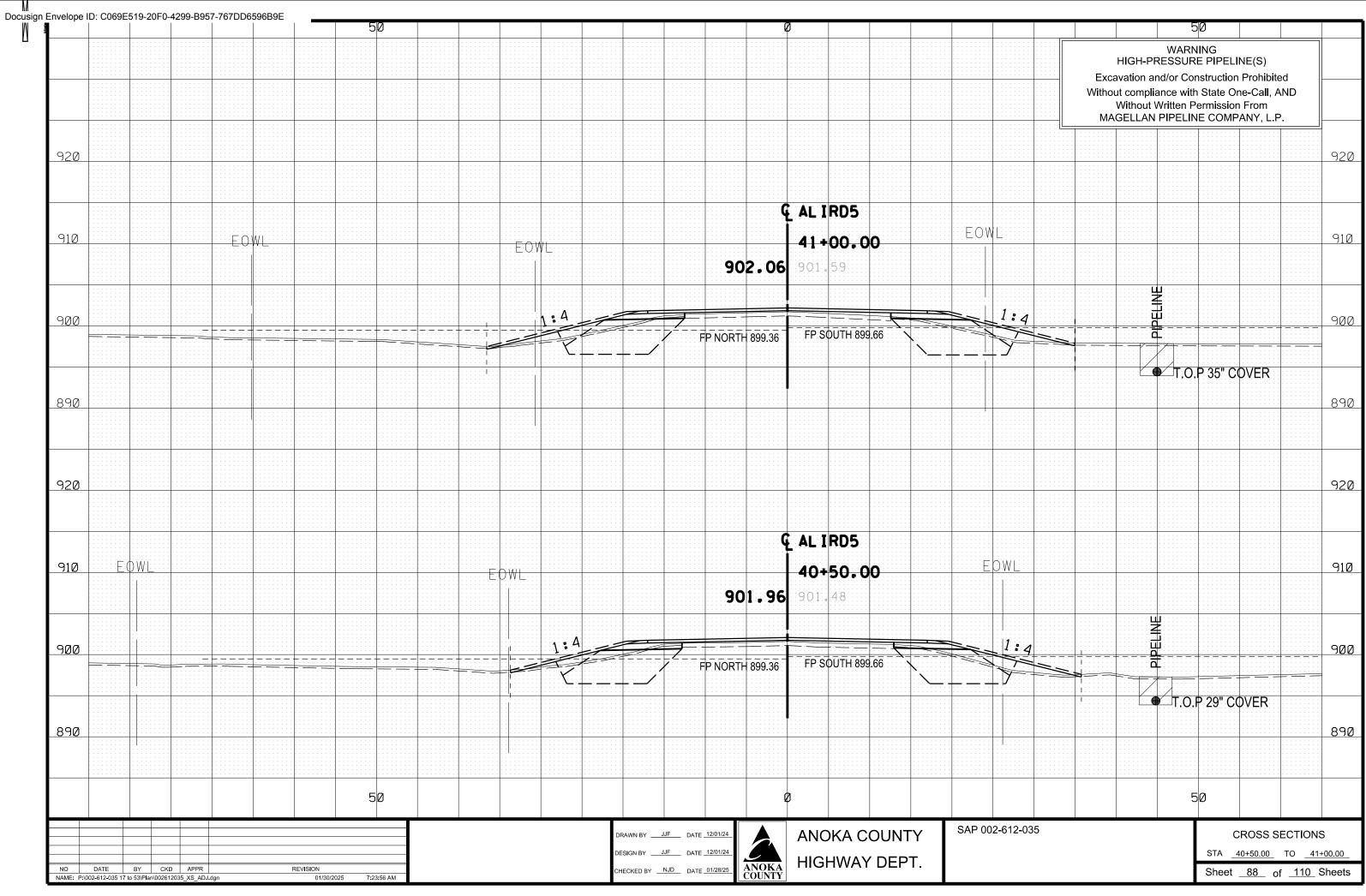
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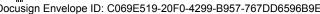


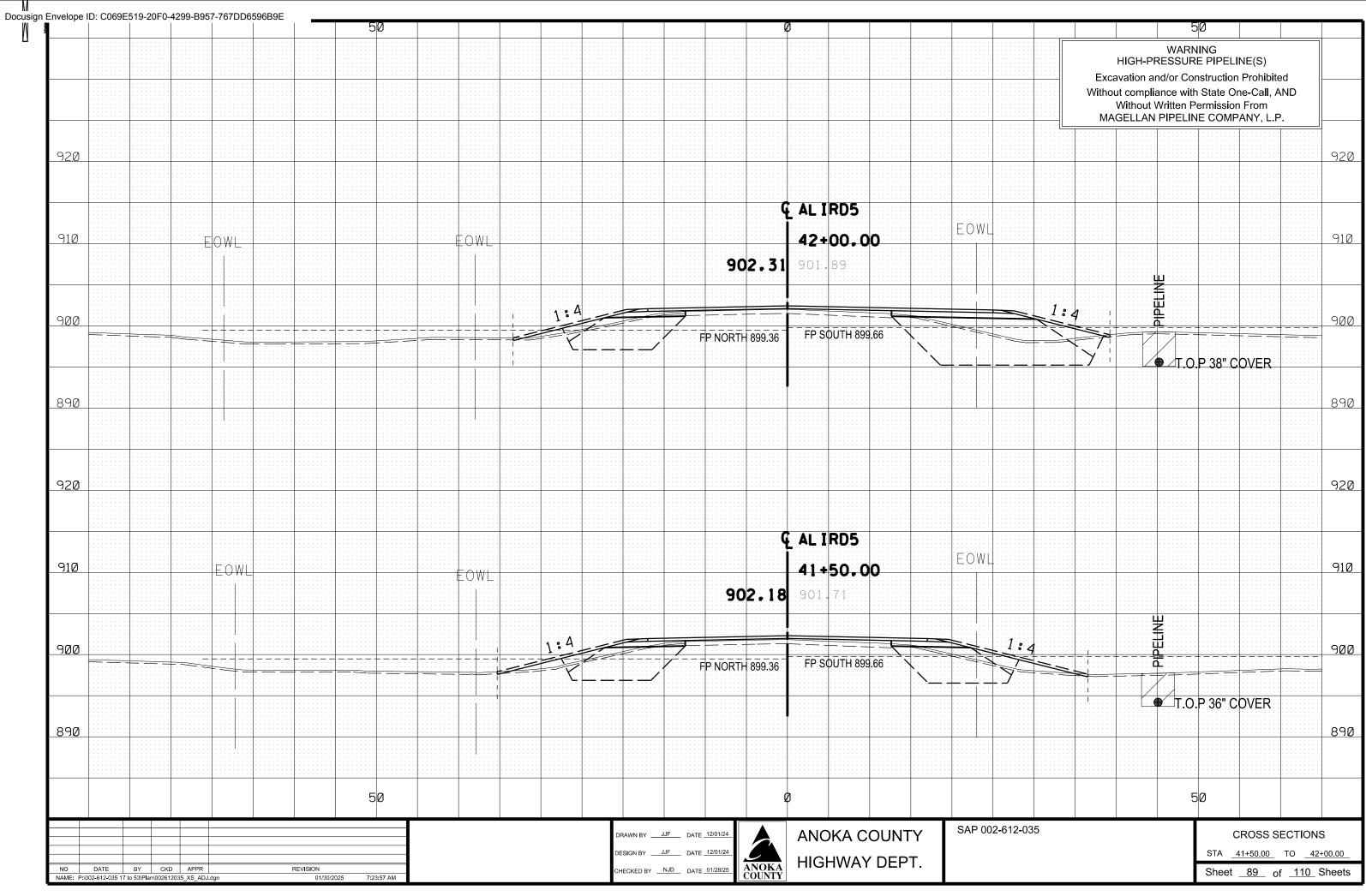
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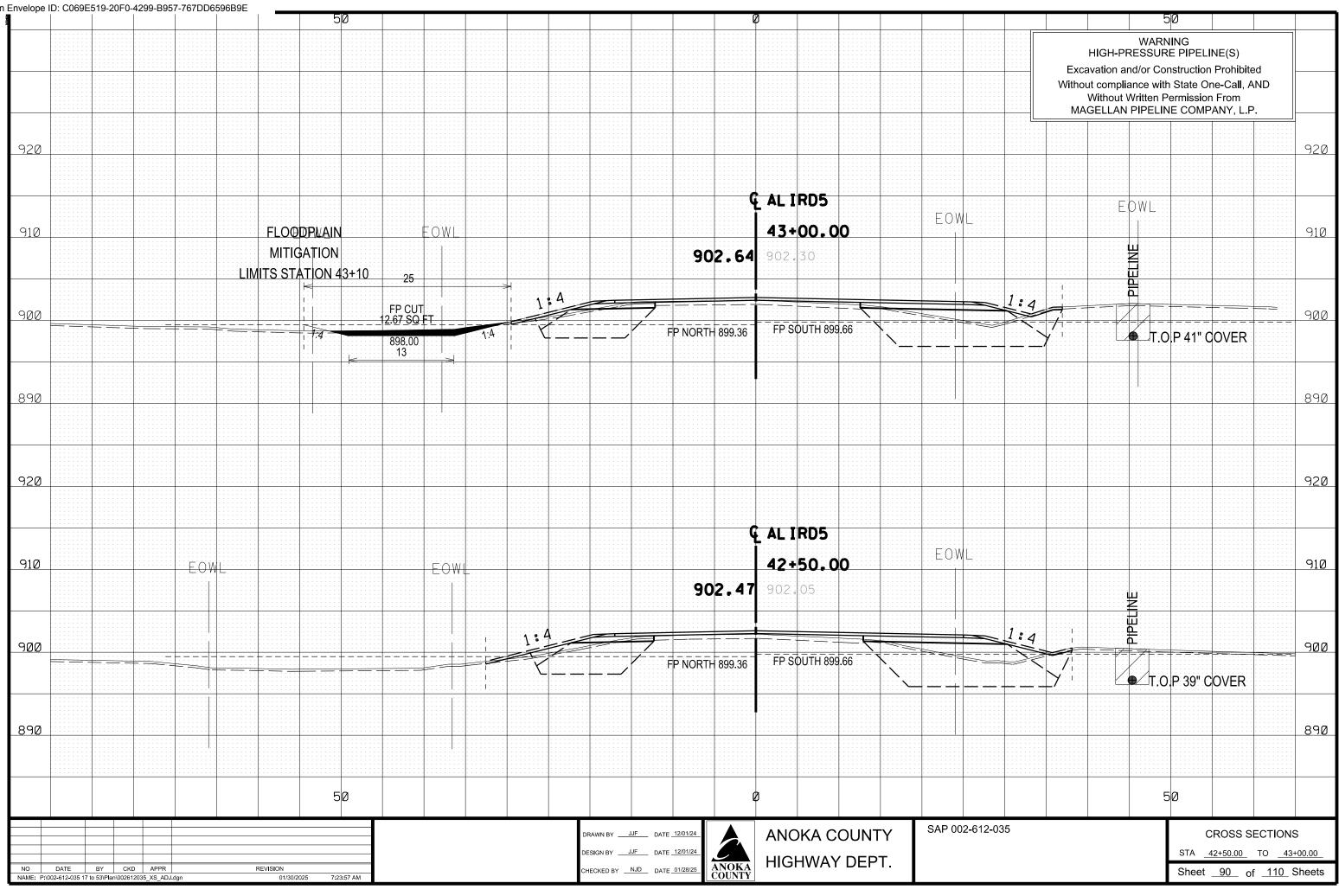


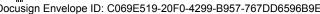


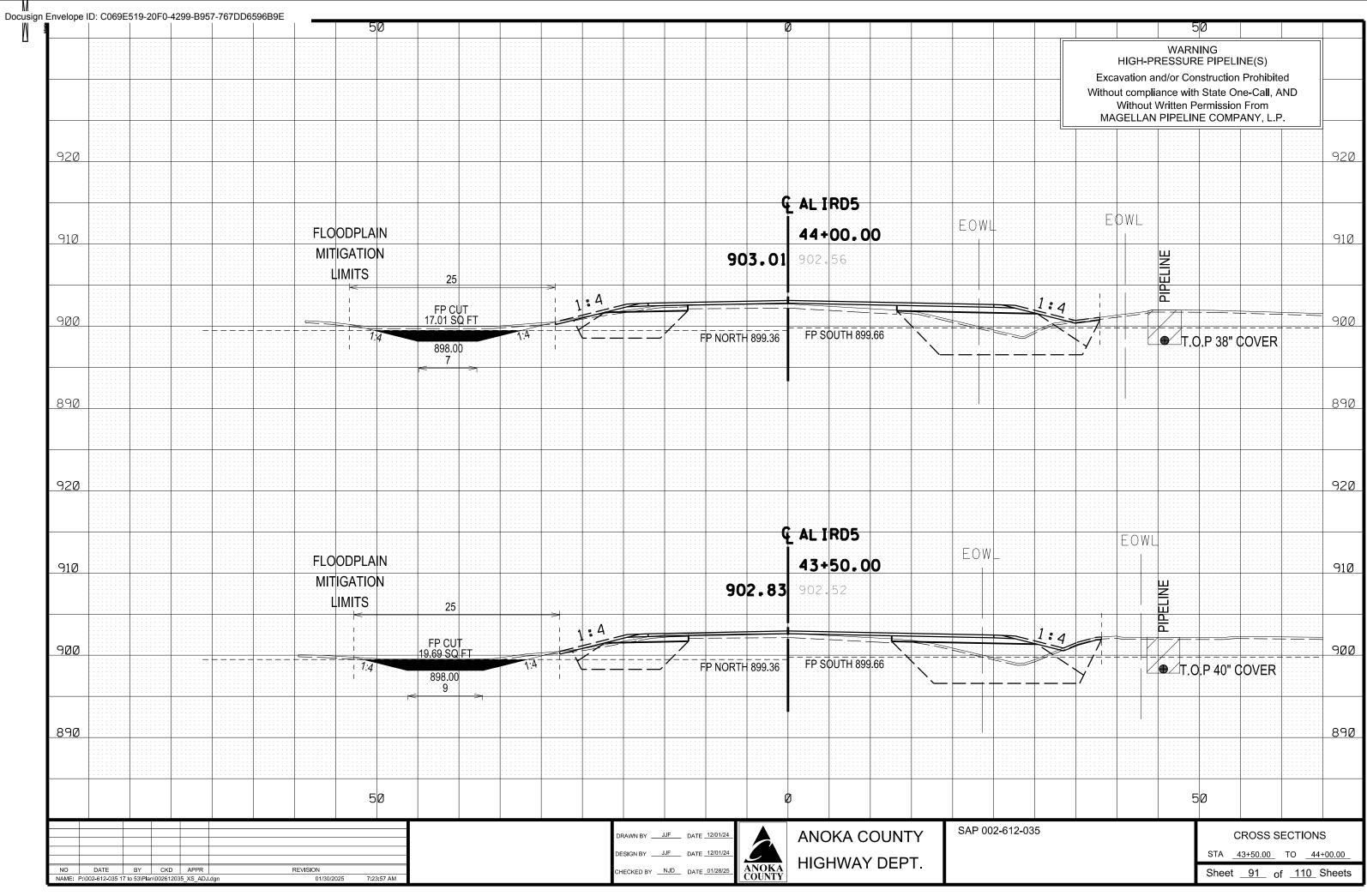


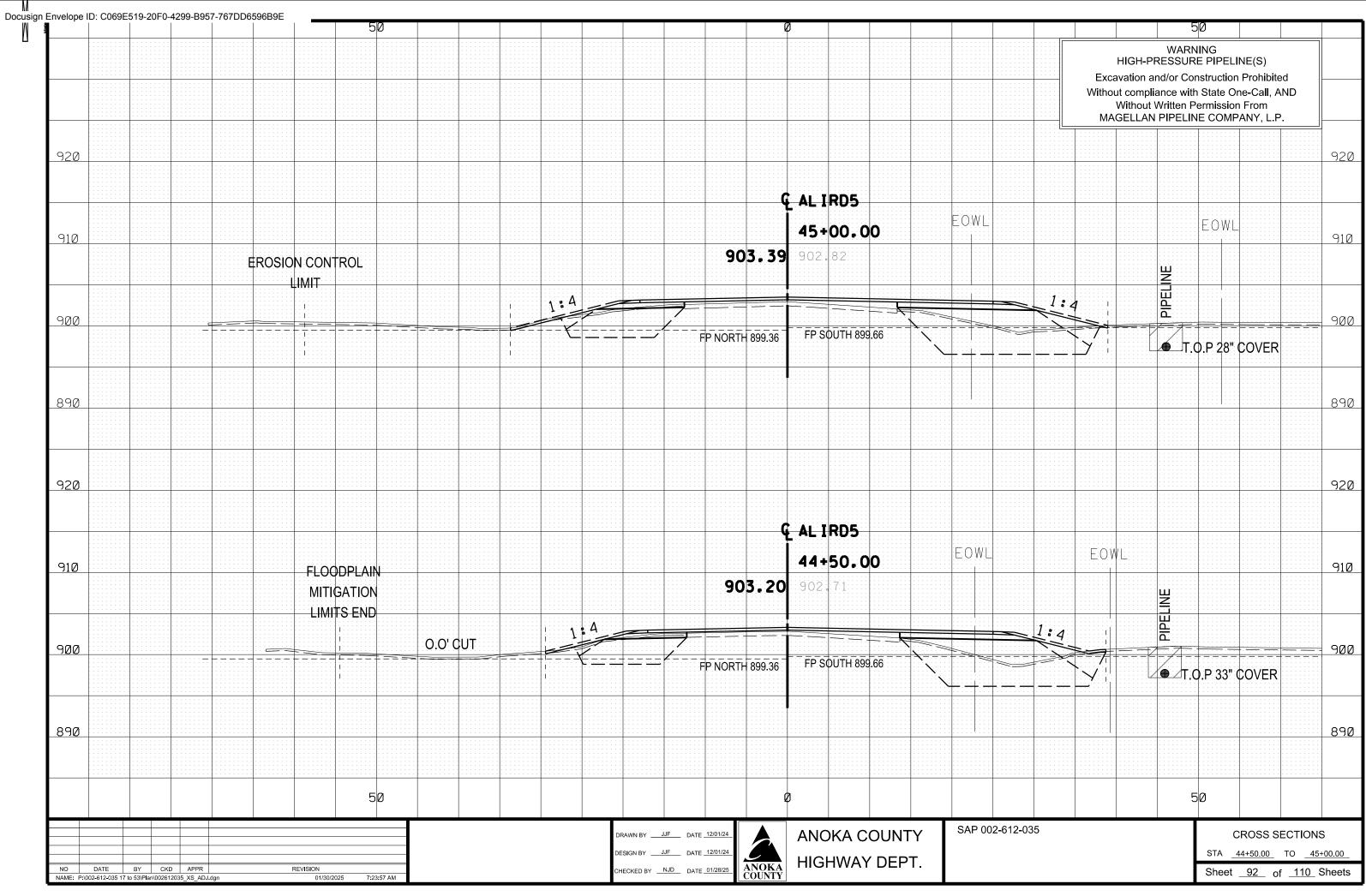
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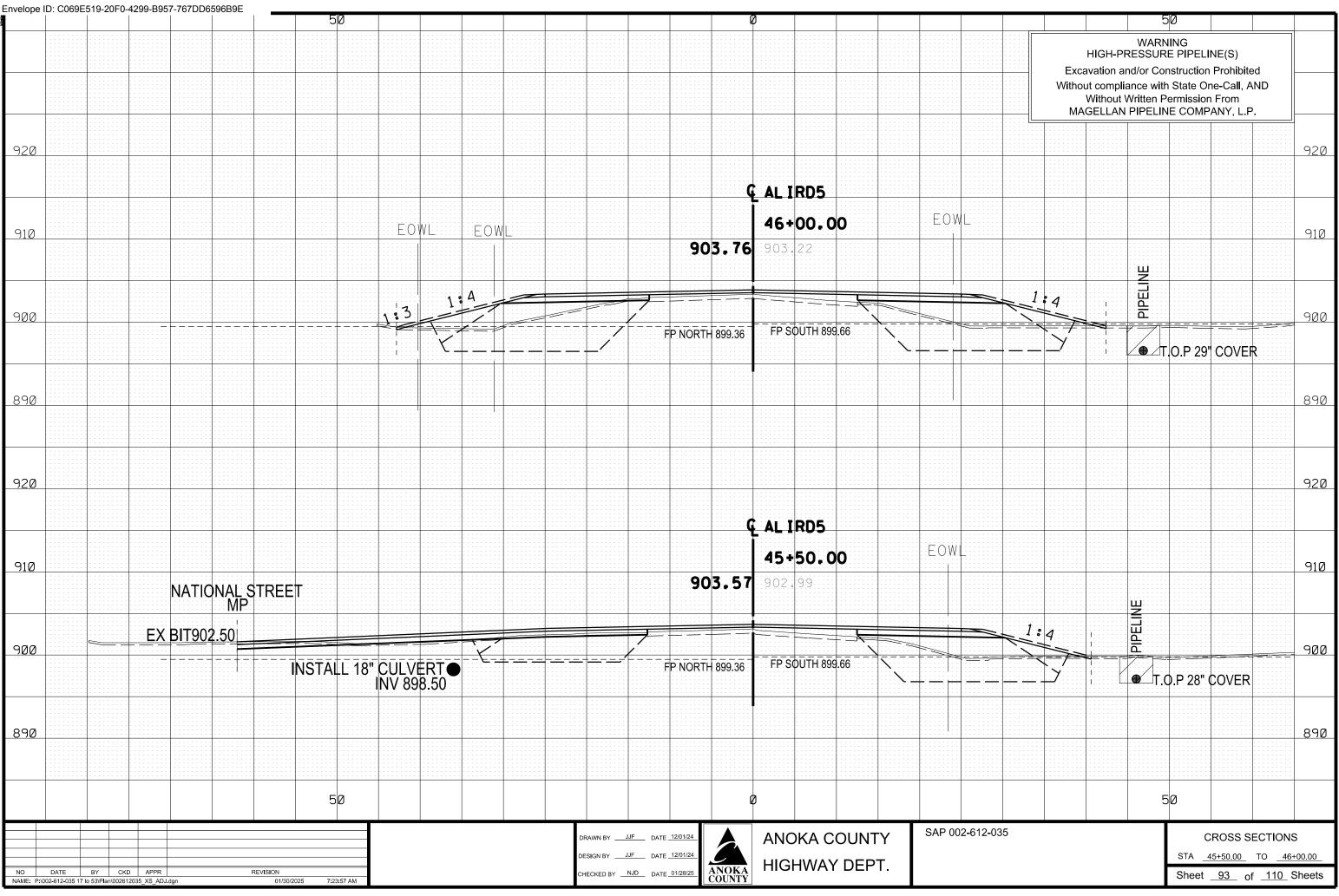
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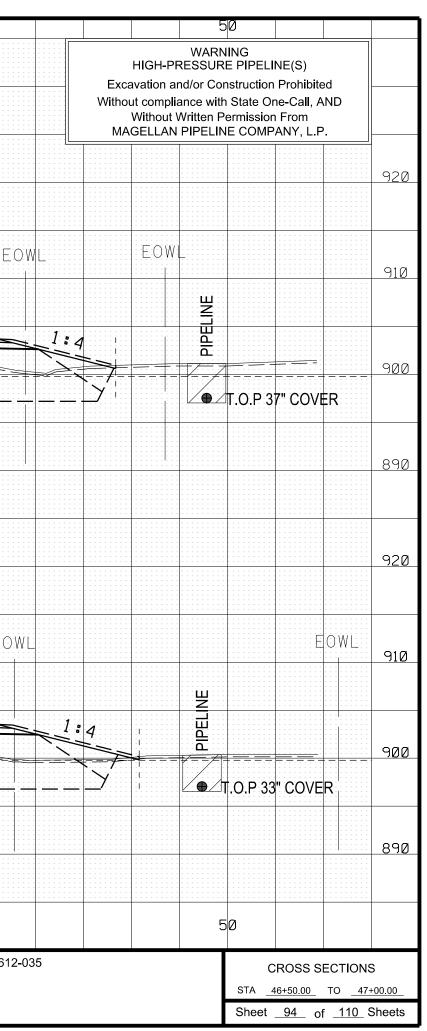


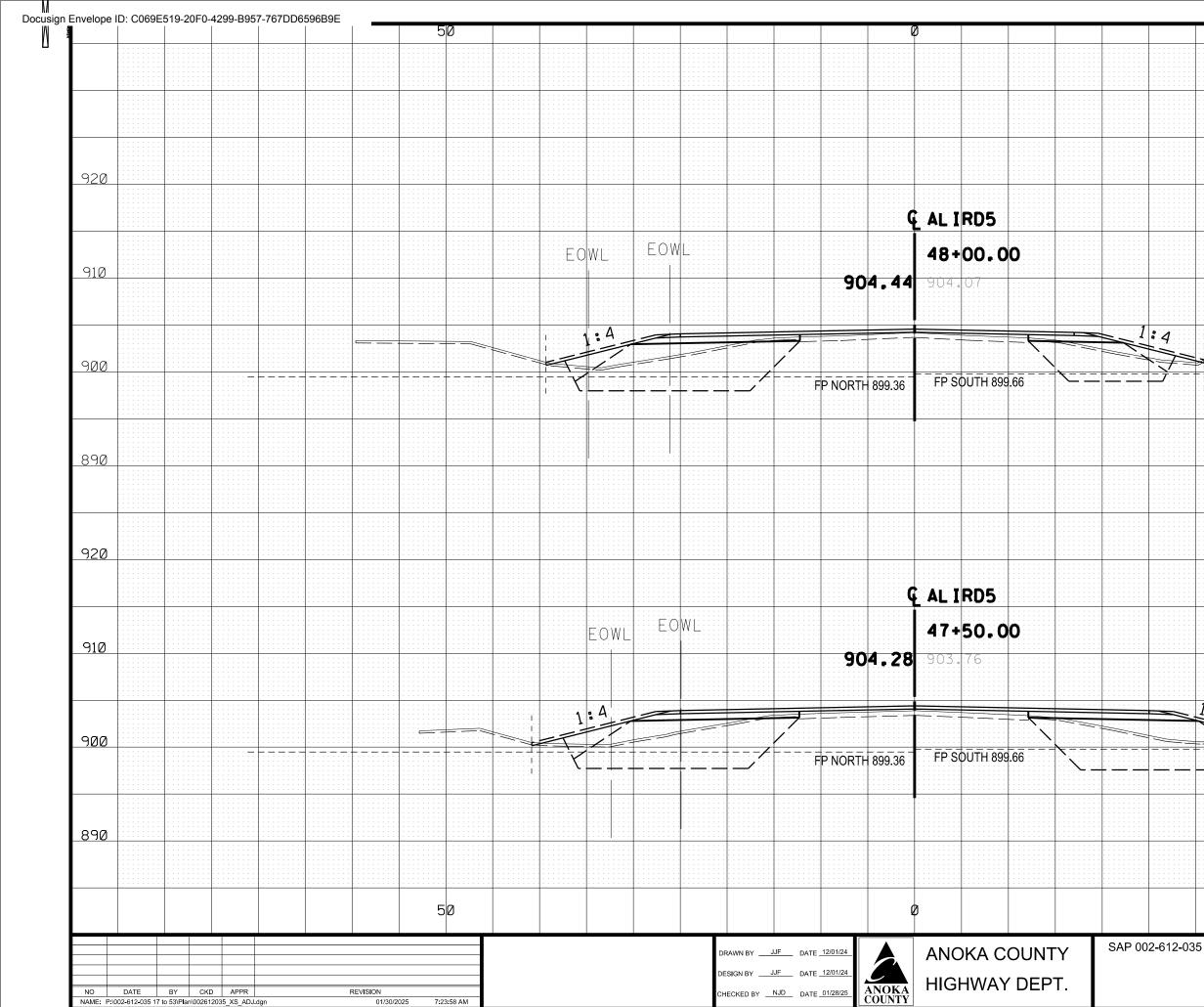


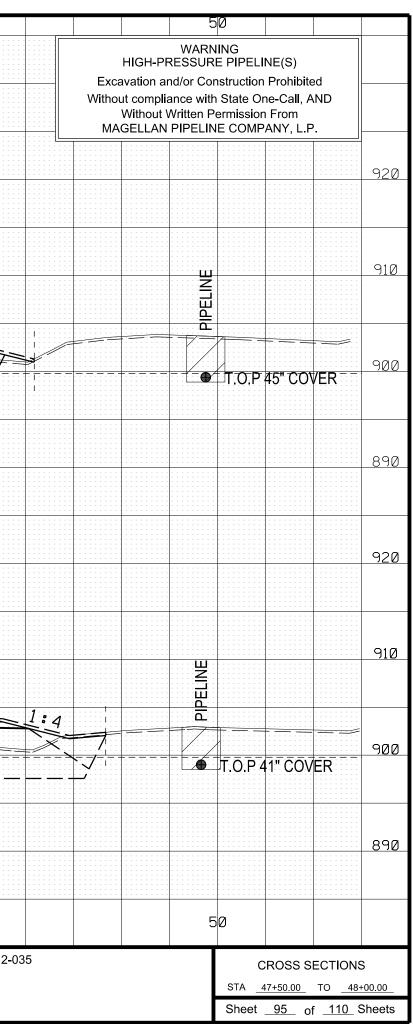


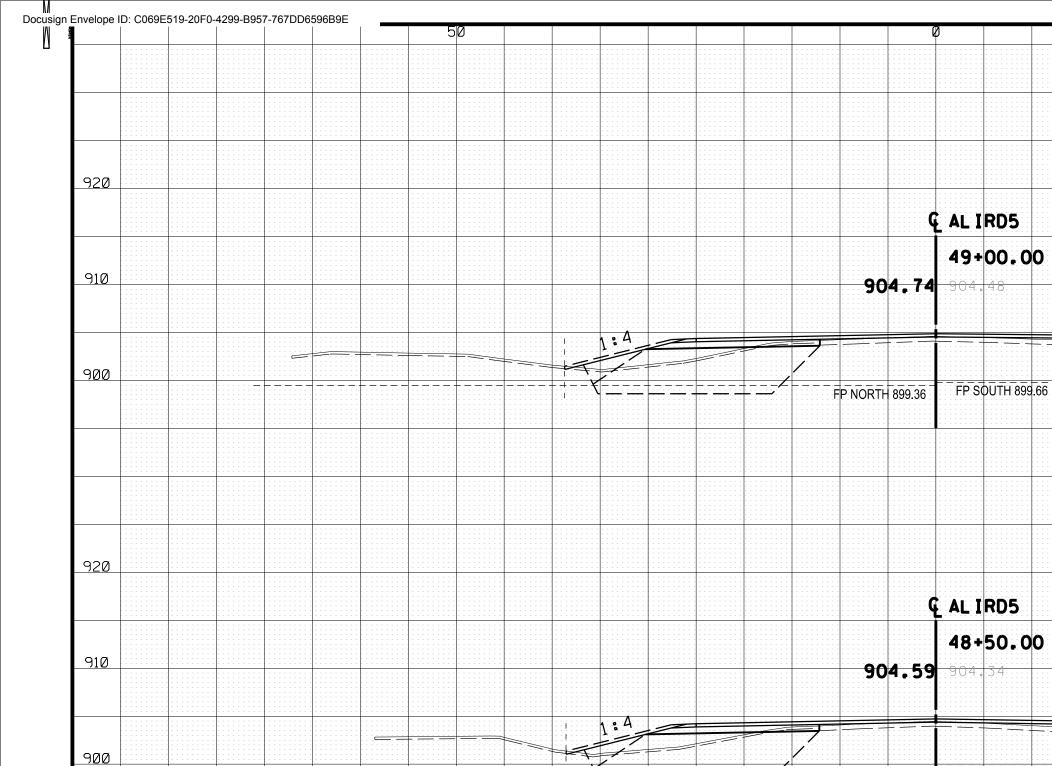


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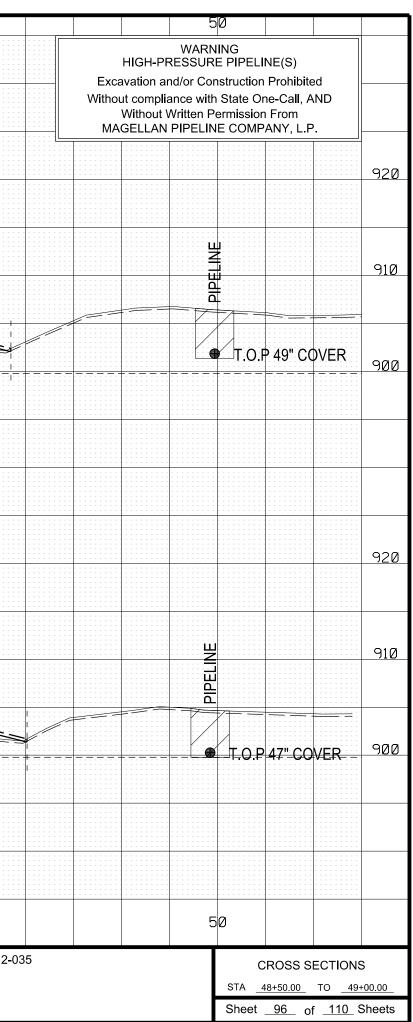




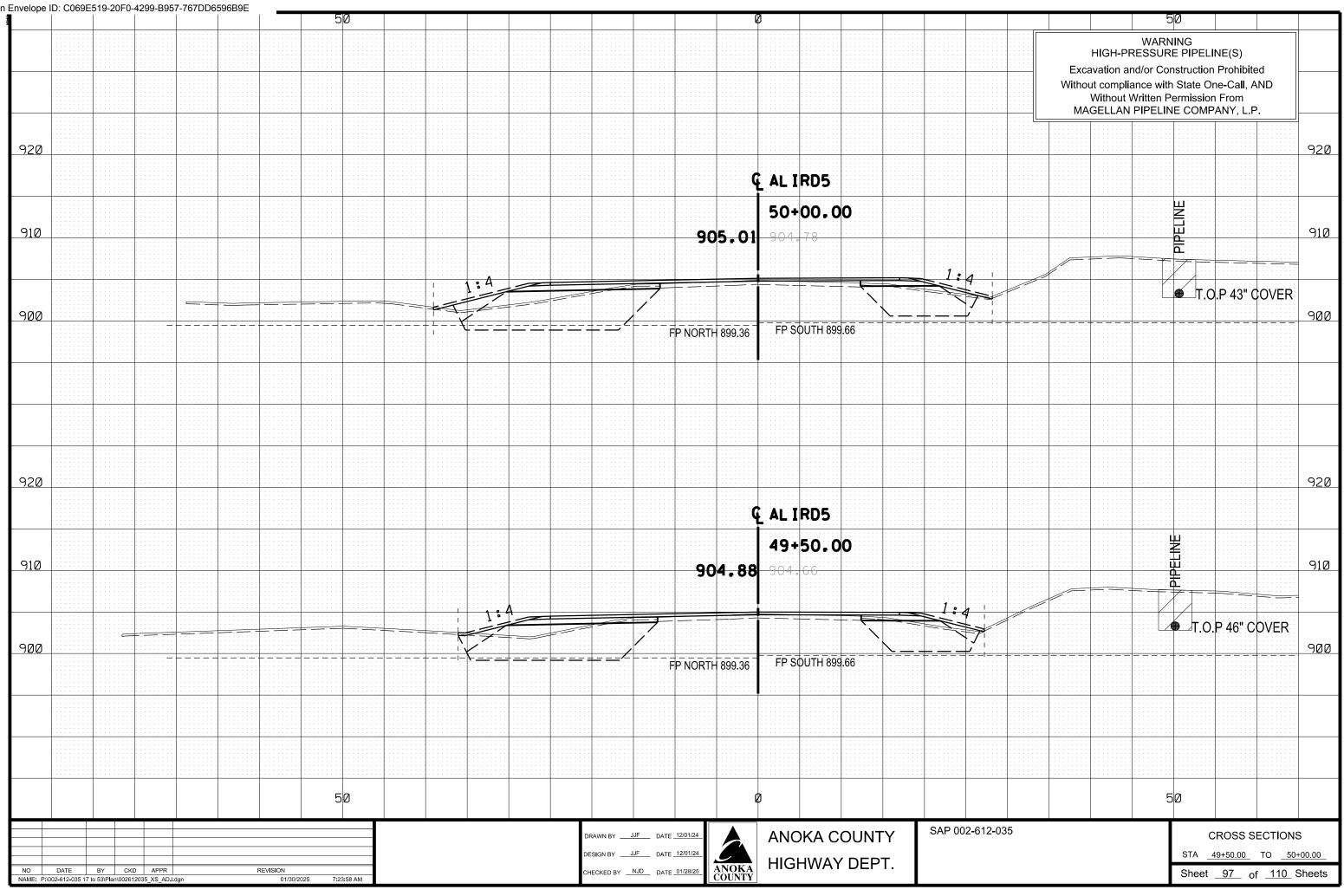
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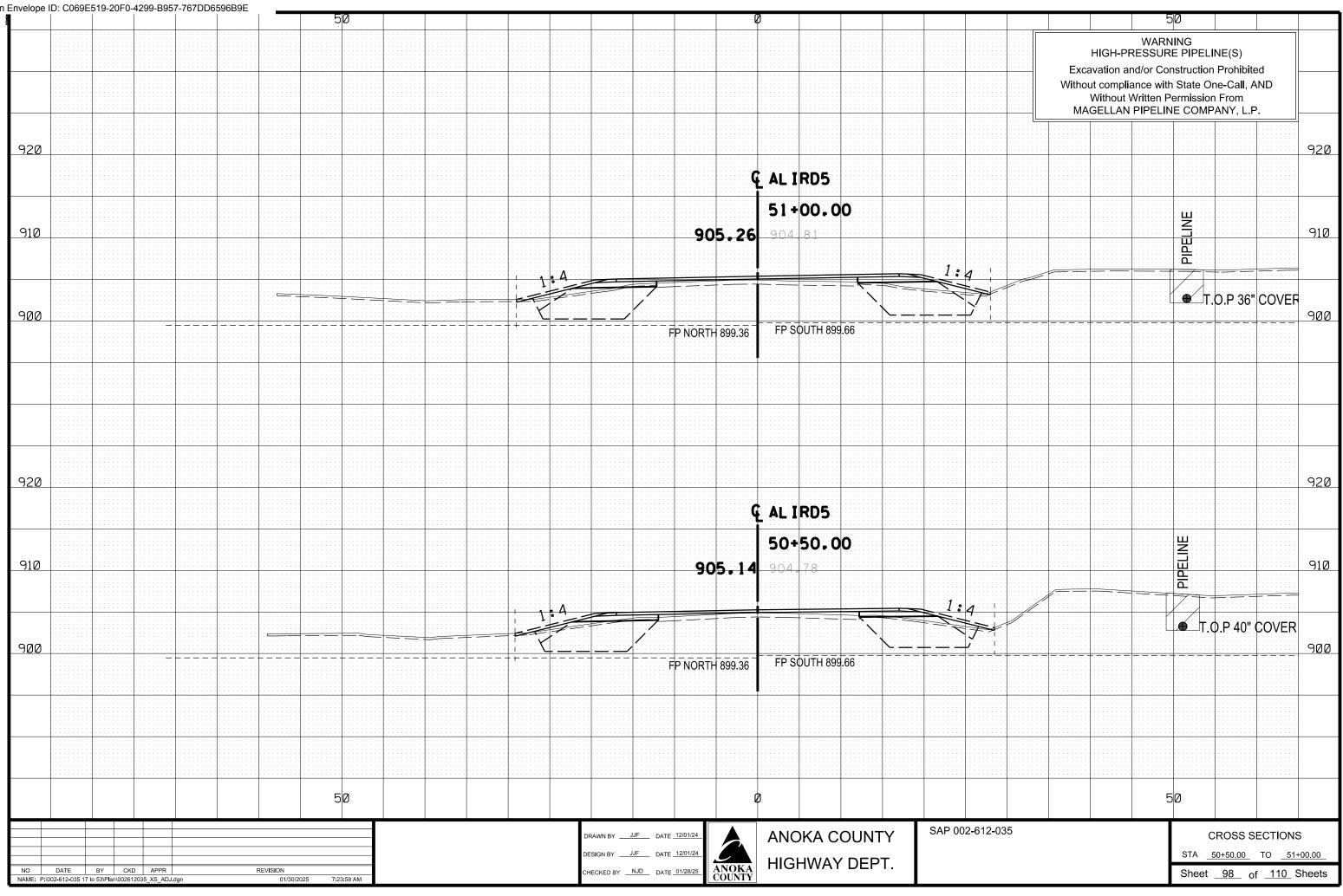


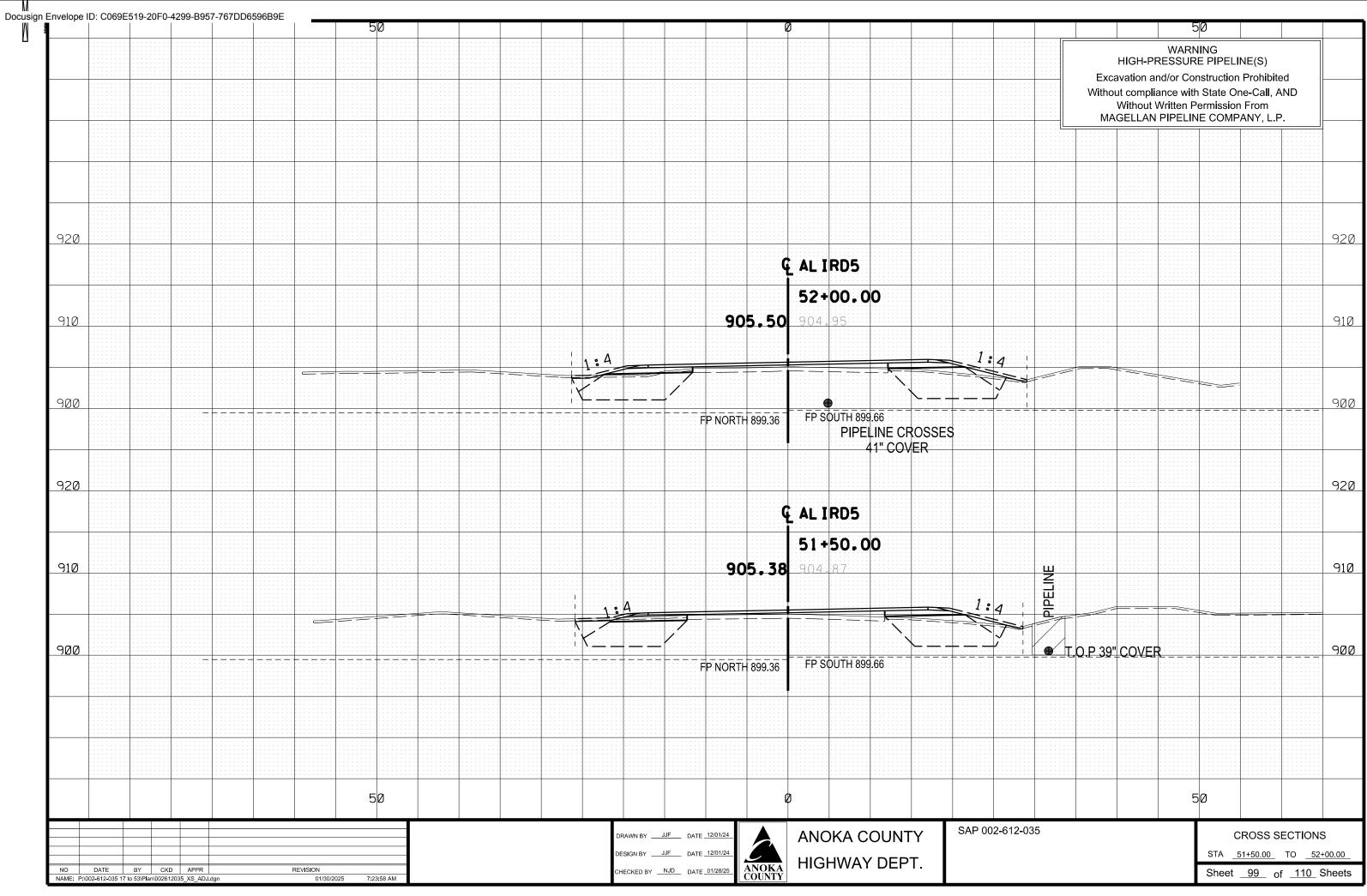
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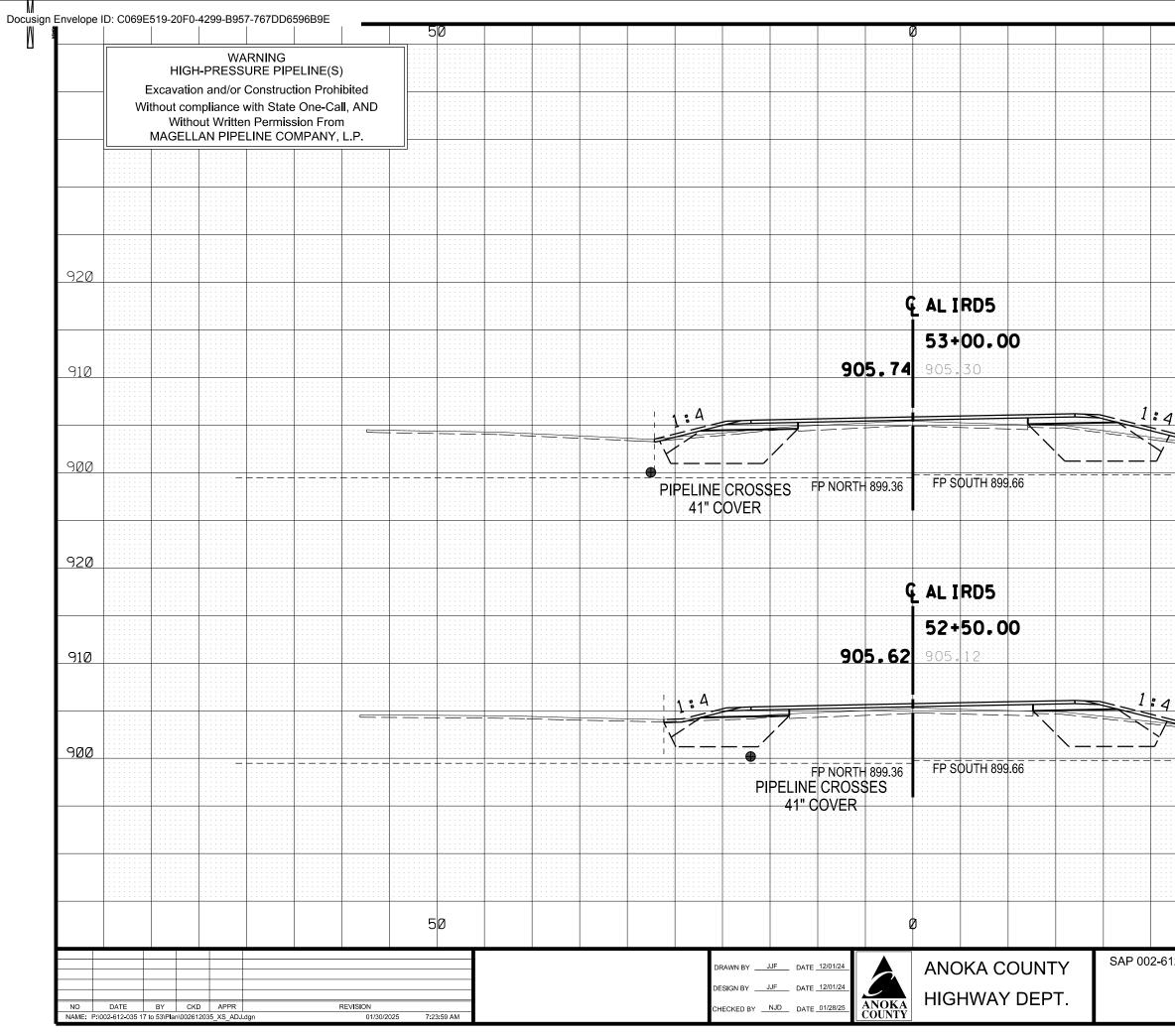


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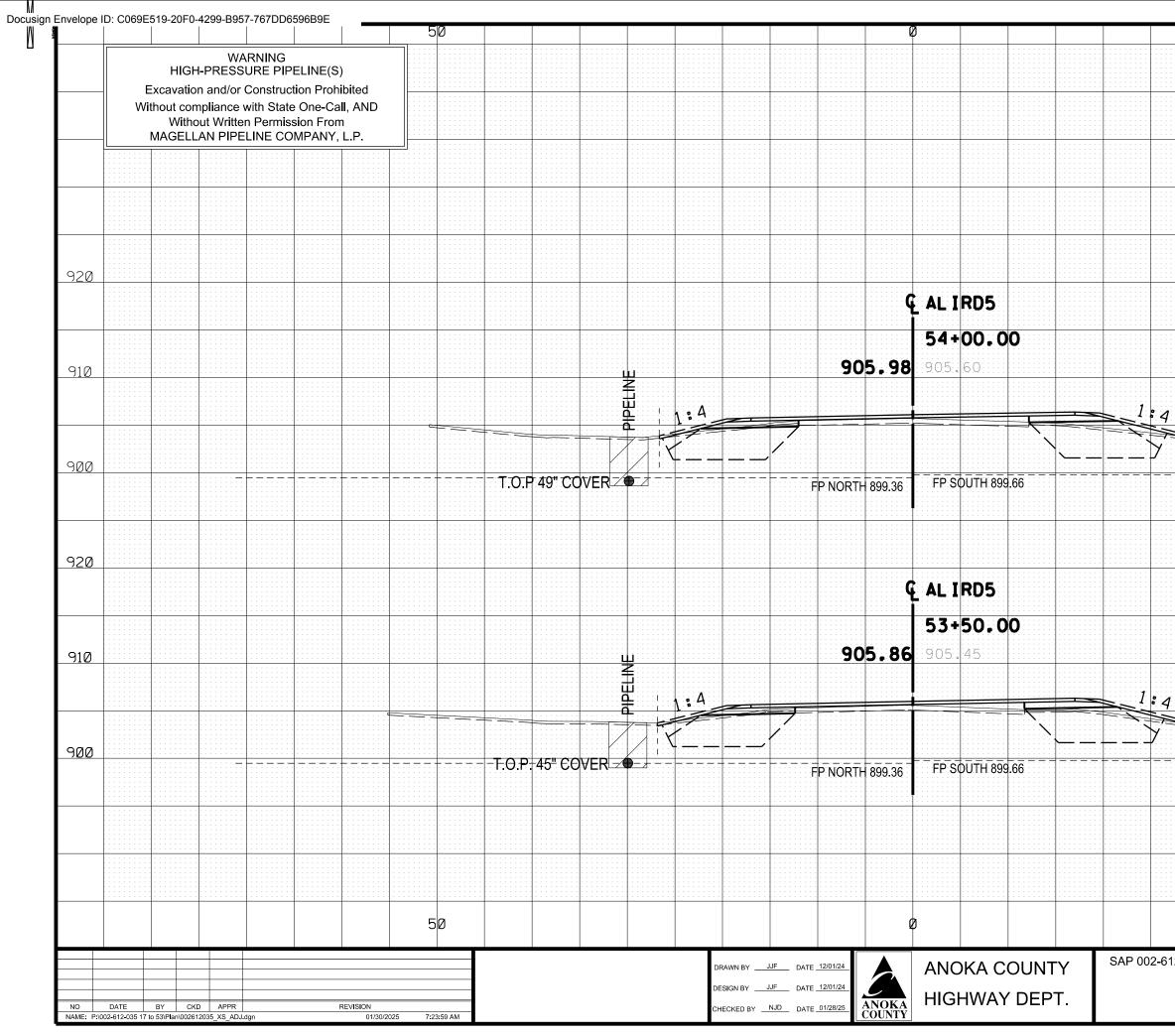




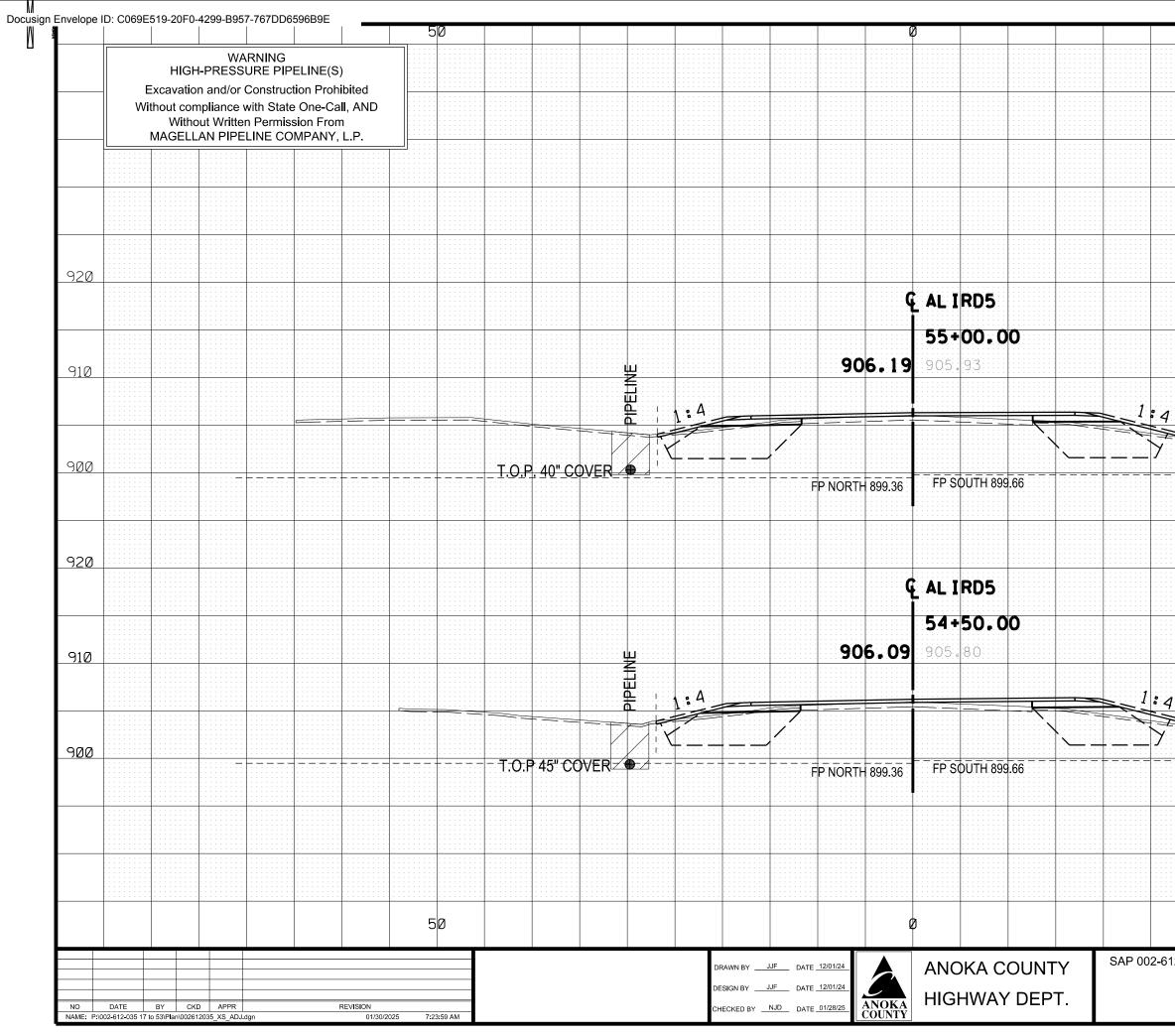




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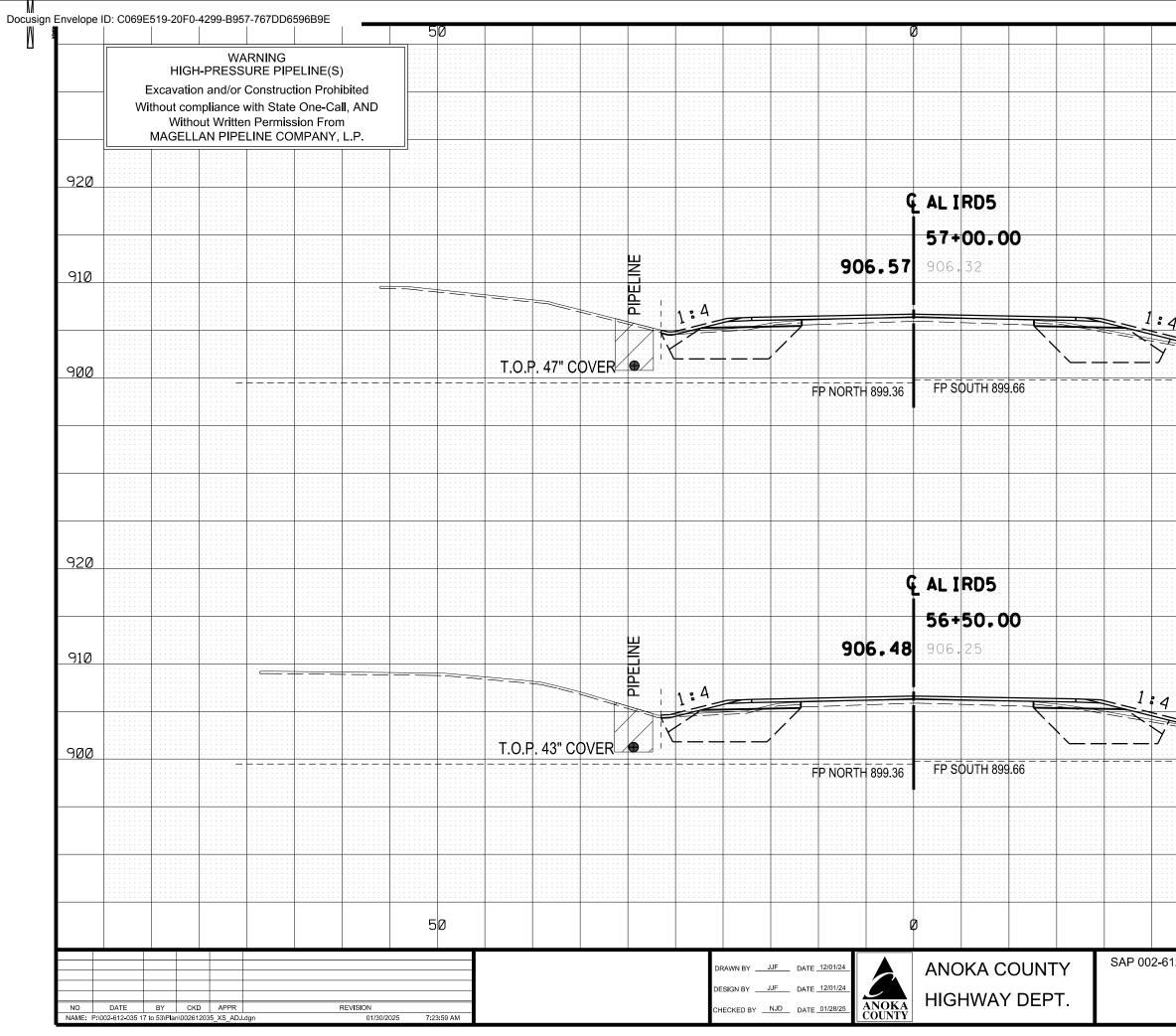
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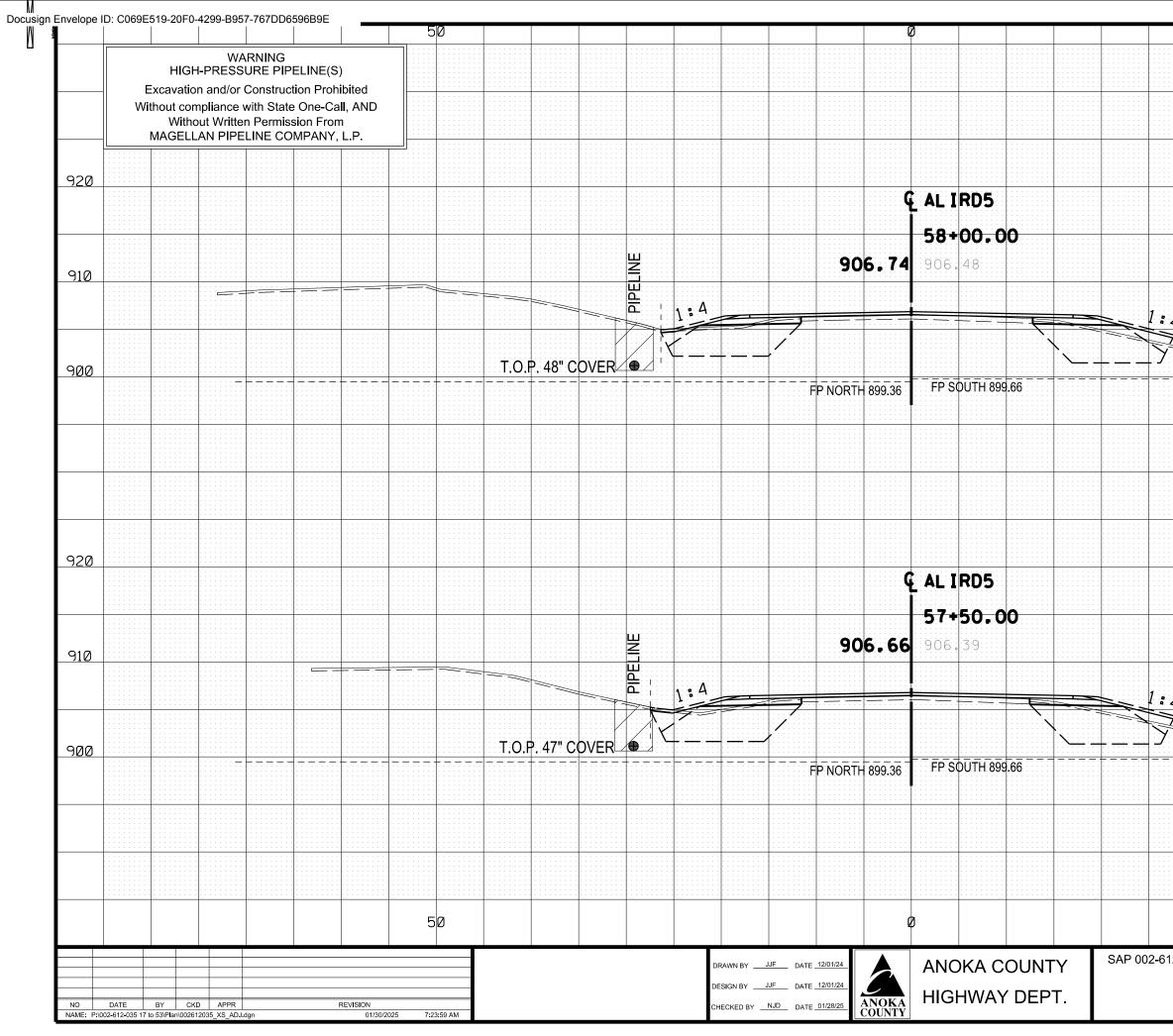
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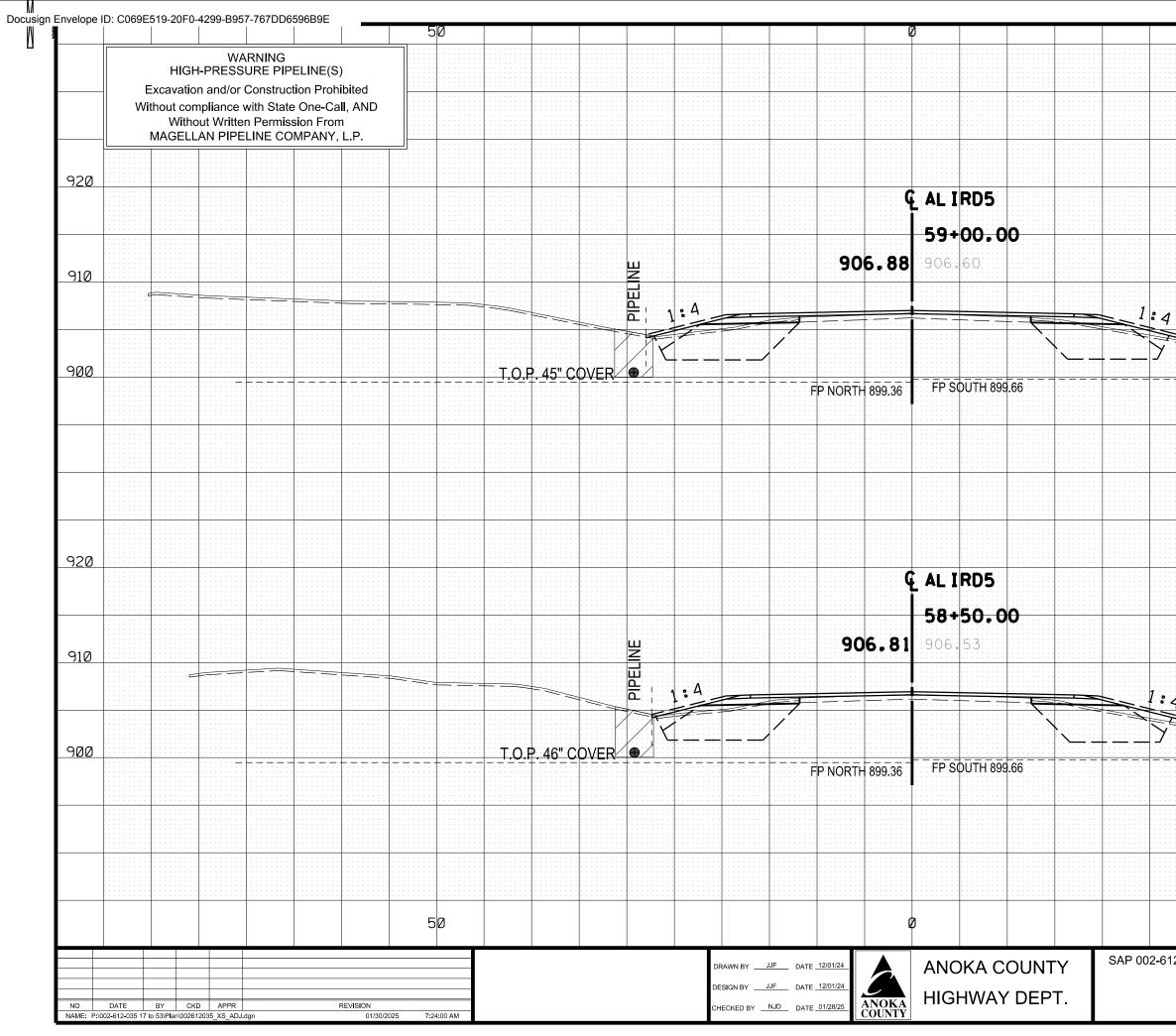
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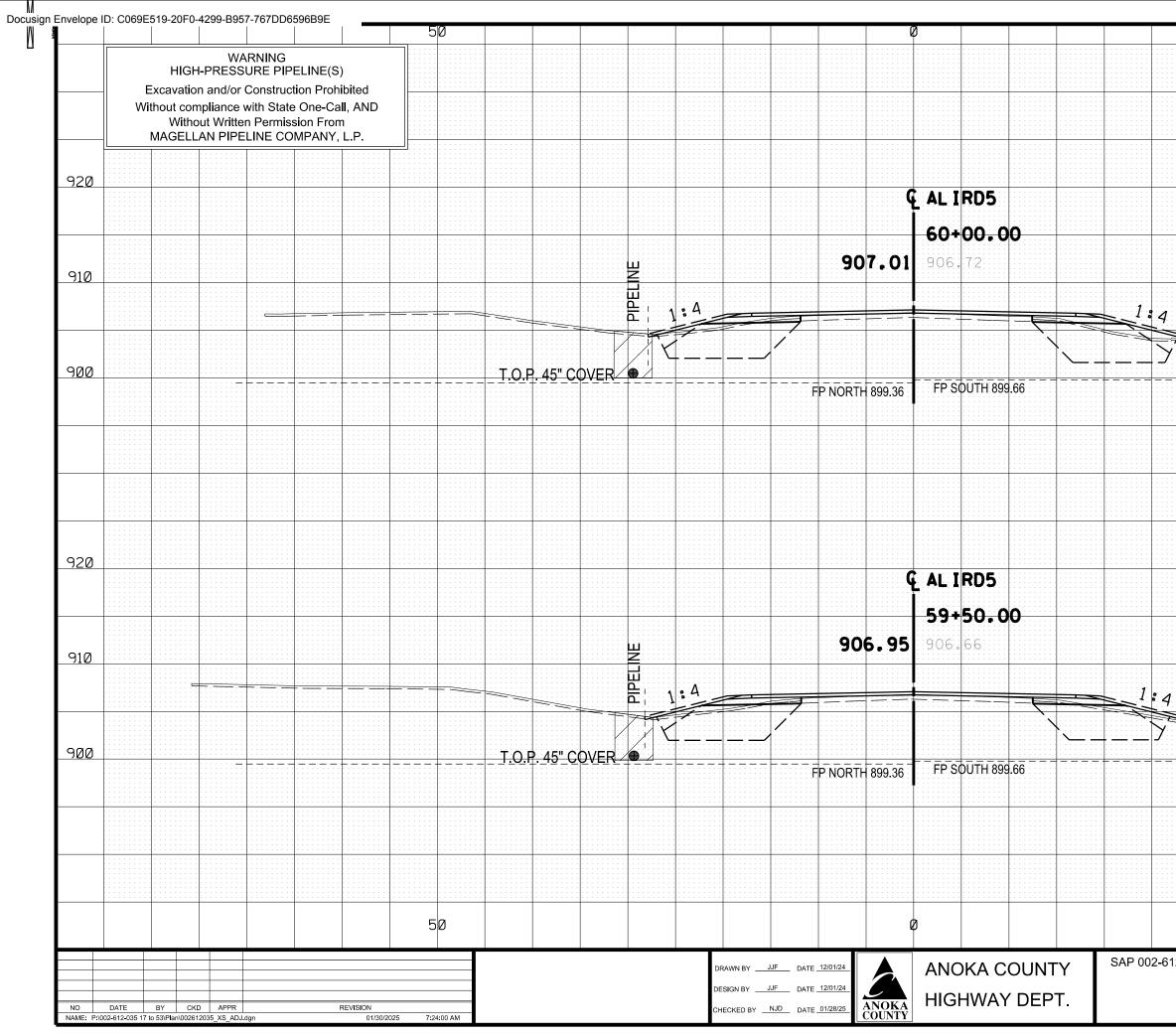
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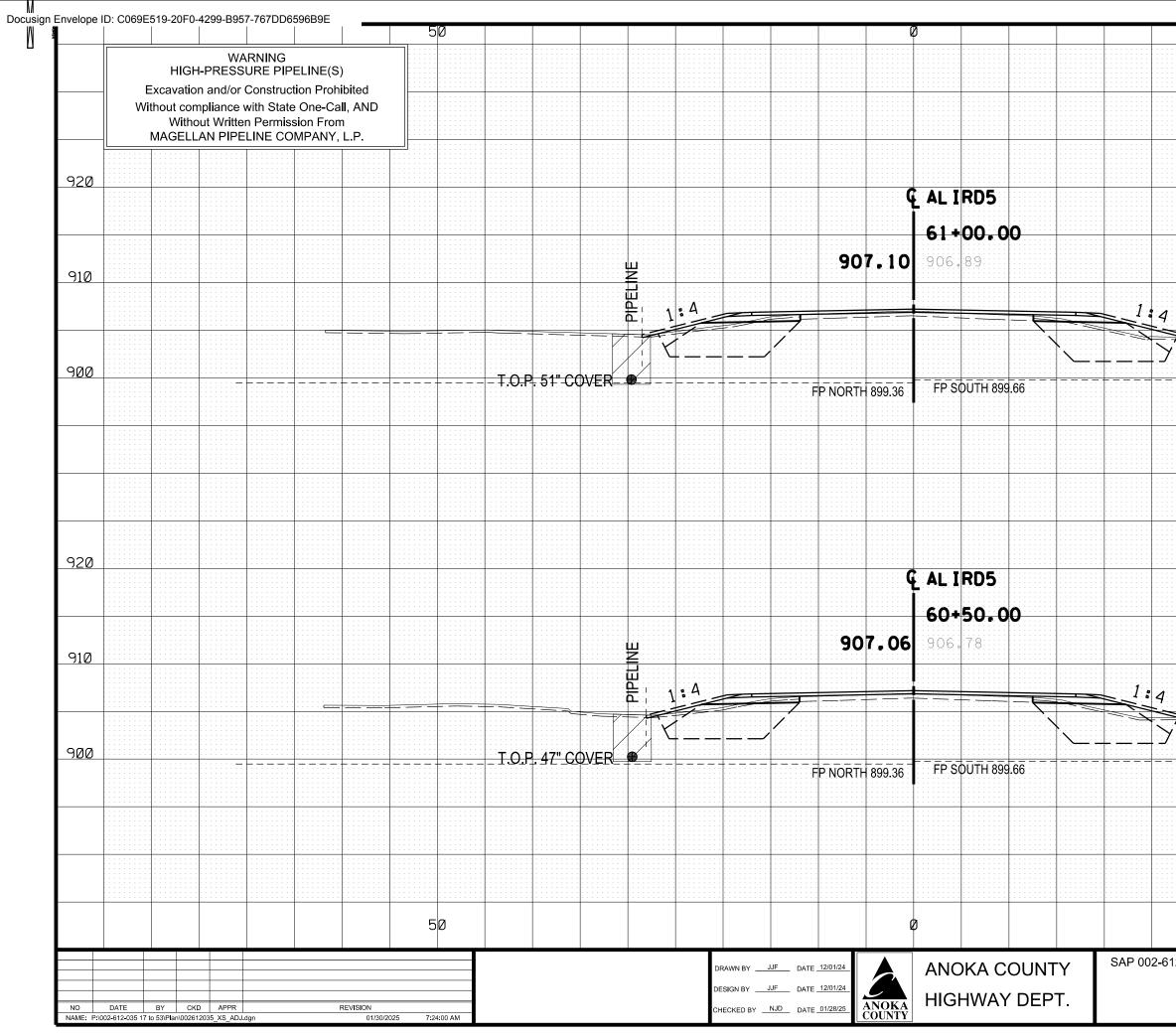
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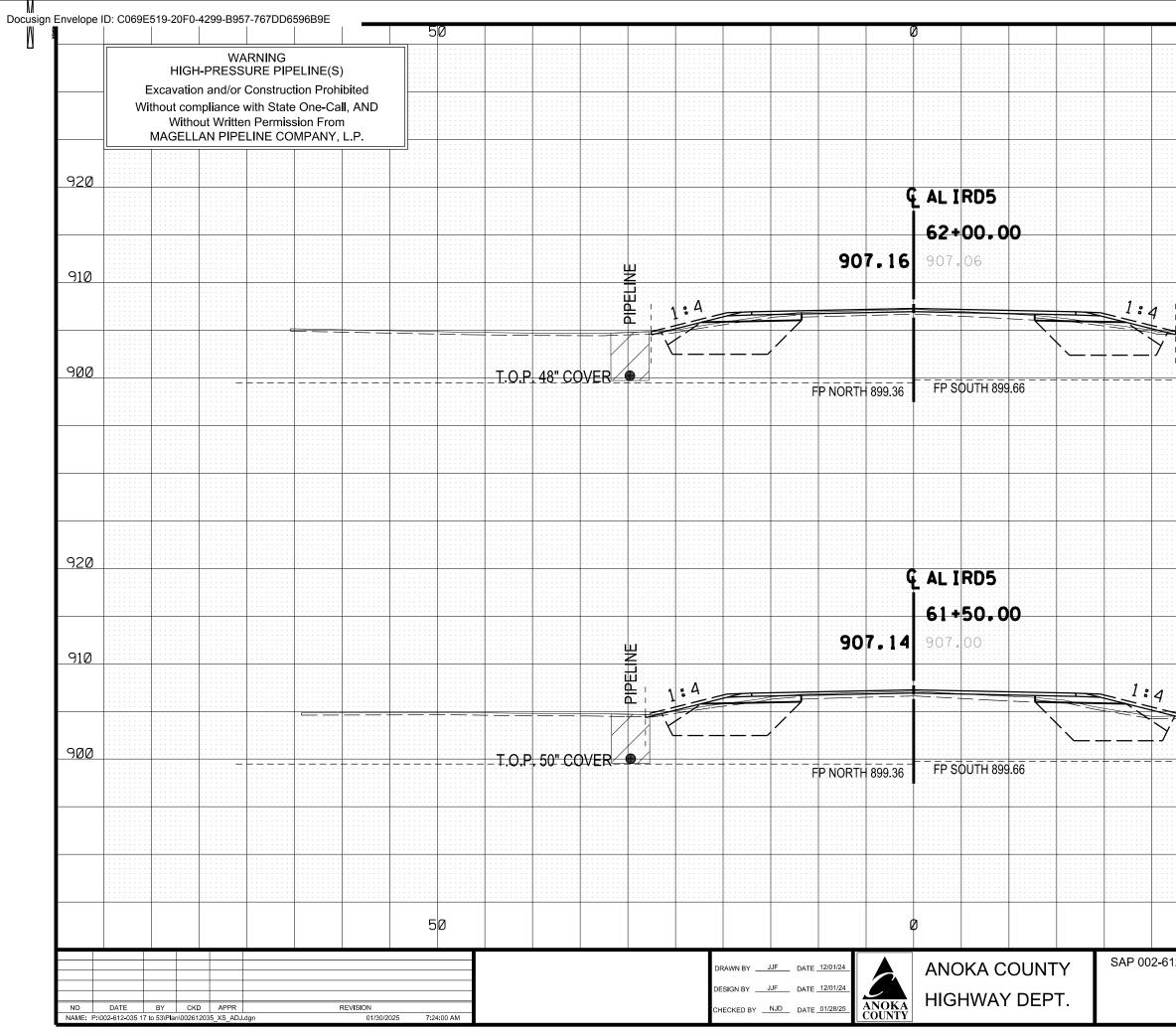
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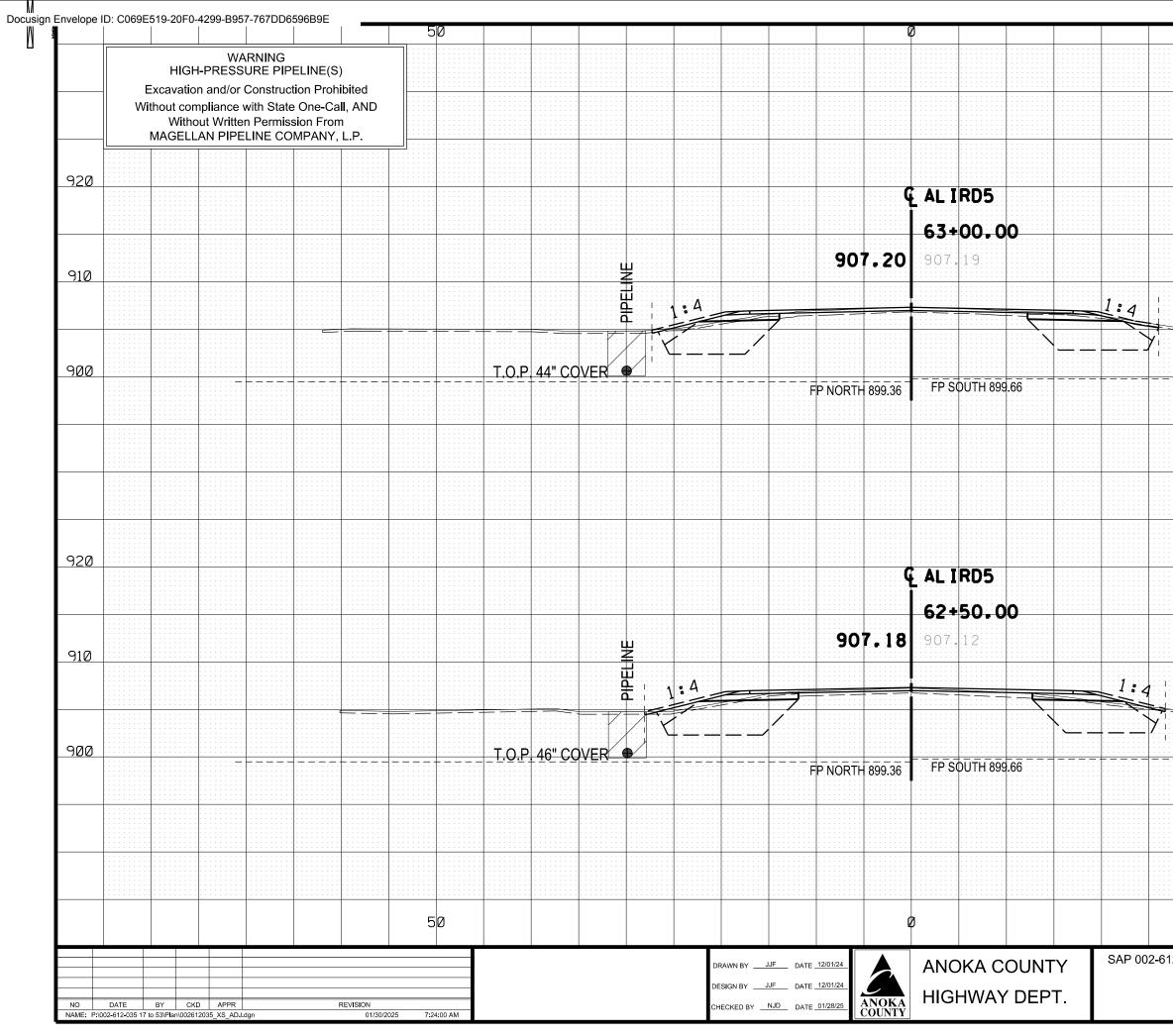
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Highway

Transit Surveyor GIS Fleet

Anoka County TRANSPORTATION DIVISION

Respectful, Innovative, Fiscally Responsible

Joe MacPherson, P.E. Chief Officer, Transportation, County Engineer Jerry Auge, P.E. Department Director, Assistant County Engineer

EXCAVATOR AND OPERATOR NOTICE

This notice is for all excavators and operators applying for permits involving excavations - your obligations to comply with Minnesota State Statues 216D are attached to this notice.

This notice is a requirement of State Statute 216D.02; Notice to Excavators and Operators.

Our Passion Is Your Safe Way Home

1440 Bunker Lake Boulevard N.W. ▲ Andover, MN 55304-4005 Office: 763-324-3100 ▲ Fax: 763-324-3020 ▲ www.anokacounty.us/highway

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MINNESOTA STATUTES 2022

216D.03 NOTIFICATION CENTER.

Subdivision 1. **Participation.** An operator shall participate in and share in the costs of one statewide notification center operated by a vendor selected under subdivision 2.

Subd. 2. Establishment of notification center; rules. (a) The notification center services must be provided by a nonprofit corporation approved in writing by the commissioner. The nonprofit corporation must be governed by a board of directors of up to 20 members, one of whom is the director of the Office of Pipeline Safety. The other board members must represent and be elected by operators, excavators, and other persons eligible to participate in the center. In deciding to approve a nonprofit corporation, the commissioner shall consider whether it meets the requirements of this paragraph and whether it demonstrates that it has the ability to contract for and implement the notification center service.

(b) The commissioner shall adopt rules:

(1) establishing a notification process and competitive bidding procedure for selecting a vendor to provide the notification service;

(2) governing the operating procedures and technology needed for a statewide notification center; and

(3) setting forth the method for assessing the cost of the service among operators.

(c) The commissioner shall select a vendor to provide the notification center service. The commissioner may advertise for bids as provided in section 16C.06, subdivisions 1 and 2, and base the selection of a vendor on best value as provided in section 16C.06, subdivision 6. The commissioner shall select and contract with the vendor to provide the notification center service, but all costs of the center must be paid by the operators. The commissioner may at any time appoint a task force to advise on the renewal of the contract or any other matter involving the center's operations.

(d) An operator may submit a bid and be selected to contract to provide the notification center service under paragraph (a) or (c). The commissioner shall annually review the services provided by the nonprofit corporation approved under paragraph (a) or the vendor selected under paragraph (c).

Subd. 3. **Cooperation with local government.** In establishing operating procedures and technology for the statewide notification center, the board of directors or the commissioner must work in cooperation with the League of Minnesota Cities, the Association of Minnesota Counties, and the Township Officers' Association. The purpose of this cooperation is to maximize the participation of local governmental units that issue permits for activities involving excavation to assure that excavators receive notice of and comply with the requirements of sections 216D.01 to 216D.07.

Subd. 4. Notice to local government. The notification center shall provide local governmental units with a master list, by county, of the operators in the county who are participants in the notification center, and the telephone number and mailing address of the notification center.

History: 1987 c 353 s 9; 1997 c 187 art 1 s 15; 1998 c 386 art 2 s 69

MINNESOTA STATUTES 2022

216D.04 EXCAVATION; LAND SURVEY.

Subdivision 1. Notice required; contents. (a) Except in an emergency, an excavator shall and a land surveyor may contact the notification center and provide notice at least 48 hours, excluding Saturdays, Sundays, and holidays and not more than 14 calendar days before beginning any excavation or boundary survey. An excavation or boundary survey begins, for purposes of this requirement, the first time excavation or a boundary survey occurs in an area that was not previously identified by the excavator or land surveyor in the notice.

- (b) The notice may be oral or written, and must contain the following information:
- (1) the name of the individual providing the notice;
- (2) the precise location of the proposed area of excavation or survey;
- (3) the name, address, and telephone number of the individual or individual's company;
- (4) the field telephone number, if one is available;
- (5) the type and extent of the activity;
- (6) whether or not the discharge of explosives is anticipated;
- (7) the date and time when the excavation or survey is to commence; and
- (8) the estimated duration of the activity.

Subd. 1a. **Plans for excavation.** (a) Any person, prior to soliciting bids or entering into a contract for excavation, shall provide a proposed notice to the notification center to obtain from the affected operators of underground facilities the type, size, and general location of underground facilities. Affected operators shall provide the information within 15 working days. An operator who provides information to a person who is not a unit of government may indicate any portions of the information which are proprietary and may require the person to provide appropriate confidentiality protection. The information obtained from affected operators must be submitted on the final drawing used for the bid or contract and must depict the utility quality level of that information. This information must be updated not more than 90 days before completion of the final drawing used for the bid or contract.

(b) This subdivision does not apply to bids and contracts for:

(1) routine maintenance of underground facilities or installation, maintenance, or repair of service lines;

- (2) excavation for operators of underground facilities performed on a unit of work or similar basis; or
- (3) excavation for home construction and projects by home owners.

(c) A person required by this section to show existing underground facilities on its drawings shall conduct one or more preliminary design meetings during the design phase to communicate the project design and coordinate utility relocation. Affected facility operators shall attend these meetings or make other arrangements to provide information.

(d) A person required by this section to show existing underground facilities on its drawings shall conduct one or more preconstruction meetings to communicate the project design and coordinate utility relocation. Affected facility operators and contractors shall attend these meetings or make other arrangements to provide information. 216D.04

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(e) This subdivision does not affect the obligation to provide a notice of excavation as required under subdivision 1.

Subd. 2. **Duties of notification center; regarding notice.** The notification center shall assign an inquiry identification number to each notice and retain a record of all notices received for at least six years. The center shall immediately transmit the information contained in a notice to every operator that has an underground facility in the area of the proposed excavation or boundary survey.

Subd. 3. Locating underground facility; operator. (a) Prior to the excavation start time on the notice, an operator shall locate and mark or otherwise provide the approximate horizontal location of the underground facilities of the operator and provide readily available information regarding the operator's abandoned and out-of-service underground facilities as shown on maps, drawings, diagrams, or other records used in the operator's normal course of business, without cost to the excavator. The excavator shall determine the precise location of the underground facility, without damage, before excavating within two feet of the marked location of the underground facility.

(b) Within 96 hours or the time specified in the notice, whichever is later, after receiving a notice for boundary survey from the notification center, excluding Saturdays, Sundays, and holidays, unless otherwise agreed to between the land surveyor and operator, an operator shall locate and mark or otherwise provide the approximate horizontal location of the underground facilities of the operator, without cost to the land surveyor.

(c) For the purpose of this section, the approximate horizontal location of the underground facilities is a strip of land two feet on either side of the underground facilities.

(d) Markers used to designate the approximate location of underground facilities must follow the current color code standard used by the American Public Works Association.

(e) If the operator cannot complete marking of the excavation or boundary survey area before the excavation or boundary survey start time stated in the notice, the operator shall promptly contact the excavator or land surveyor.

(f) After December 31, 1998, operators shall maintain maps, drawings, diagrams, or other records of any underground facility abandoned or out-of-service after December 31, 1998.

(g) An operator or other person providing information pursuant to this subdivision is not responsible to any person, for any costs, claims, or damages for information provided in good faith regarding abandoned, out-of-service, or private or customer-owned underground facilities.

Subd. 4. Locating underground facility; excavator or land surveyor. (a) The excavator or land surveyor shall determine the precise location of the underground facility, without damage, before excavating within two feet on either side of the marked location of the underground facility.

(b) If the excavator or land surveyor cancels the excavation or boundary survey, the excavator or land surveyor shall cancel the notice through the notification center.

(c) The notice is valid for 14 calendar days from the start time stated on the notice. If the activity will continue after the expiration time, then the person responsible for the activity shall serve an additional notice at least 48 hours, excluding Saturdays, Sundays, and holidays, before the expiration time of the original notice, unless the excavator makes arrangements with the operators affected to periodically verify or refresh the marks, in which case the notice is valid for six months from the start time stated on the notice.

MINNESOTA STATUTES 2022

(d) The excavator is responsible for reasonably protecting and preserving the marks until no longer required for proper and safe excavation near the underground facility. If the excavator has reason to believe the marks are obliterated, obscured, missing, or incorrect, the excavator shall notify the facility operator or notification center in order to have an operator verify or refresh the marks.

History: 1987 c 353 s 10; 1992 c 493 s 5; 1993 c 341 art 1 s 21; 1997 c 196 s 1; 1998 c 348 s 1-3; 2004 c 163 s 2-6

MINNESOTA STATUTES 2022

216D.05

216D.05 PRECAUTIONS TO AVOID DAMAGE.

An excavator shall:

(1) plan the excavation to avoid damage to and minimize interference with underground facilities in and near the construction area;

(2) use white markings for proposed excavations except where it can be shown that it is not practical;

(3) maintain a clearance between an underground facility and the cutting edge or point of any mechanized equipment, considering the known limit of control of the cutting edge or point to avoid damage to the facility;

(4) provide support for underground facilities in and near the construction area, including during backfill operations, to protect the facilities; and

(5) conduct the excavation in a careful and prudent manner.

History: 1987 c 353 s 11; 1998 c 348 s 4; 2004 c 163 s 7

MINNESOTA STATUTES 2022

216D.06 DAMAGE TO FACILITY.

Subdivision 1. **Notice; repair.** (a) If any damage occurs to an underground facility or its protective covering, the excavator shall notify the operator promptly. When the operator receives a damage notice, the operator shall promptly dispatch personnel to the damage area to investigate. If the damage results in the escape of any flammable, toxic, or corrosive gas or liquid or endangers life, health, or property, the excavator responsible shall immediately notify the operator and the 911 public safety answering point, as defined in section 403.02, subdivision 19, and take immediate action to protect the public and property. The excavator shall also attempt to minimize the hazard until arrival of the operator's personnel or until emergency responders have arrived and completed their assessment. The 911 public safety answering point shall maintain a response plan for notifications generated by this section.

(b) An excavator shall delay backfilling in the immediate area of the damaged underground facilities until the damage has been investigated by the operator, unless the operator authorizes otherwise. The repair of damage must be performed by the operator or by qualified personnel authorized by the operator.

(c) An excavator who knowingly damages an underground facility, and who does not notify the operator as soon as reasonably possible or who backfills in violation of paragraph (b), is guilty of a misdemeanor.

Subd. 2. **Cost reimbursement.** (a) If an excavator damages an underground facility, the excavator shall reimburse the operator for the cost of necessary repairs, and for a pipeline the cost of the product that was being carried in the pipeline and was lost as a direct result of the damage.

(b) Reimbursement is not required if the damage to the underground facility was caused by the sole negligence of the operator or the operator failed to comply with section 216D.04, subdivision 3.

Subd. 3. **Prima facie evidence of negligence.** It is prima facie evidence of the excavator's negligence in a civil court action if damage to the underground facilities of an operator resulted from excavation, and the excavator failed to give an excavation notice under section 216D.04 or provide support as required by section 216D.05.

History: 1987 c 353 s 12; 1999 c 43 s 1

MINNESOTA STATUTES 2022

216D.07 EFFECT ON LOCAL ORDINANCES.

(a) Sections 216D.01 to 216D.07 do not affect or impair local ordinances, charters, or other provisions of law requiring permits to be obtained before excavating.

(b) A person with a permit for excavation from the state or a public agency is subject to sections 216D.01 to 216D.07. The state or public agency that issued a permit for excavation is not liable for the actions of an excavator who fails to comply with sections 216D.01 to 216D.07.

History: 1987 c 353 s 13

CHAPTER 7560 OFFICE OF PIPELINE SAFETY EXCAVATION NOTICE SYSTEM

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7560.0100 DEFINITIONS.

Subpart 1. Scope. The terms used in this chapter have the meanings given them. Terms not defined in this part have the meanings given them in Minnesota Statutes, section 216D.01.

Subp. 1a. **Abandoned facility.** "Abandoned facility" means an underground facility that is no longer in service and is physically disconnected from a portion of the operating facility that is in use or still carries service. An abandoned facility has been deemed abandoned by the operator.

Subp. 2. **Director.** "Director" means the director of the Office of Pipeline Safety of the Minnesota Department of Public Safety.

Subp. 3. **Good cause to believe.** "Good cause to believe" means grounds put forth in good faith that are not arbitrary, irrational, unreasonable, or irrelevant and that are based on at least one of the following sources:

A. information from a person;

B. facts supplied by the notification center defined in Minnesota Statutes, section 216D.01, subdivision 8;

C. facts of which the director or an agent of the director has personal knowledge; and

D. information provided by excavators or operators.

Subp. 4. Locate. "Locate" means an operator's markings of an underground facility.

Subp. 5. [Renumbered as subp 8]

Subp. 5a. [Renumbered as subp 9]

Subp. 6. [Renumbered as subp 11]

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Subp. 7. **Meet.** When used as a noun in this chapter, "meet" refers to a meeting at the site of proposed excavation requested at the time of notice by the excavator with all affected underground facility operators to further clarify the precise geographic location of excavation, schedule locating, propose future contacts, and share other information concerning the excavation and facilities.

Subp. 8. Office. "Office" means the Office of Pipeline Safety of the Minnesota Department of Public Safety.

Subp. 9. **Out-of-service facility.** "Out-of-service facility" means an underground facility that is no longer maintained and is not intended for future use, but has not been deemed abandoned. An out-of-service facility may still be connected to a portion of the operating facility that is in use or still carries service.

Subp. 10. **Public right-of-way.** "Public right-of-way" means the area on, below, or above a public roadway, highway, street, cartway, bicycle lane, and sidewalk in which a government unit has an interest, including other rights-of-way dedicated for travel purposes and utility easements of government units.

Subp. 11. **Remuneration.** "Remuneration" means direct or indirect compensation or consideration paid to the person or the person's agent, employer, employee, subcontractor, or contractor. A person who excavates as part of the person's duties as an employee, employer, agent, subcontractor, or contractor is considered to be acting for remuneration.

Subp. 12. Service lateral. "Service lateral" means an underground facility that is used to transmit, distribute, or furnish gas, electricity, communications, or water from a common source to an end-use customer. A service lateral is also an underground facility that is used in the removal of wastewater from a customer's premises.

Statutory Authority: *MS s* 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04 History: 16 SR 135; 24 SR 448; 29 SR 1503 Published Electronically: *July* 20, 2005

7560.0125 ABANDONED AND OUT-OF-SERVICE FACILITIES.

Subpart 1. **Duty of operators to provide readily available information.** Operators shall provide readily available information, as shown on maps, drawings, diagrams, or other records used in the normal course of business, on the approximate location of abandoned and out-of-service facilities to an excavator by the excavation date and time noted on the excavation or location notice unless otherwise agreed between the excavator and the operator. An operator fulfills an obligation to provide information on these facilities by doing one or more of the following:

A. locating and marking the approximate location of the facility according to the current color code standard used by the American Public Works Association, as required in Minnesota Statutes, section 216D.04, subdivision 3, with an abandoned or out-of-service facility identified by an uppercase A surrounded by a circle;

- B. providing informational flags at the area of proposed excavation;
- C. communicating information verbally; or
- D. providing copies of maps, diagrams, or records.

Subp. 2. Duty to notify operator. An excavator shall notify the operator:

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A. before moving, removing, or otherwise altering a facility that is thought to be abandoned or out of service; or

B. if damage to the facility occurs, pursuant to Minnesota Statutes, section 216D.01, subdivision 2.

Subp. 3. Verification of abandoned or out-of-service facility. Upon receipt of notification by an excavator pursuant to subpart 2, an operator shall verify that an underground facility is abandoned or out of service, by either reference to installation records, testing, or other comparable standard of verification, before an excavator is allowed to move, remove, or otherwise alter an underground facility.

Subp. 4. Liability. An operator providing information pursuant to Minnesota Statutes, section 216D.04, subdivision 3, is not responsible to any person for any costs, claims, or damages for information provided in good faith regarding abandoned and out-of-service underground facilities.

Statutory Authority: *MS s* 14.06; 216D.08; 299J.04; 299F.60 **History:** 24 SR 448 **Published Electronically:** July 20, 2005

7560.0150 PUBLIC RIGHT-OF-WAY MAPPING AND INSTALLATION.

Subpart 1. **Duty of operator to map.** After December 31, 2005, an operator shall maintain a map, a diagram, a drawing, or geospatial information regarding the location of its underground facility within a public right-of-way installed after that date.

Subp. 2. **Duty to install locating wire.** After December 31, 2005, an operator shall install a locating wire or have an equally effective means of marking the location of each nonconductive underground facility within a public right-of-way installed after that date. This requirement does not apply when making minor repairs to an existing nonconductive facility. As applied to this chapter, "minor repairs" means repairs to or partial replacement of portions of existing service laterals located within a public right-of-way for purposes of routine maintenance and upkeep.

Statutory Authority: MS s 299J.04

History: 29 SR 1503

Published Electronically: July 20, 2005

7560.0200 [Repealed, 24 SR 448]

Published Electronically: July 20, 2005

7560.0225 EXCAVATOR RESPONSIBILITIES REGARDING A LOCATE.

Subpart 1. [Repealed, 29 SR 1503]

Subp. 2. **Responsibility to protect and preserve.** The excavator is responsible for reasonably protecting and preserving a locate until no longer required for proper and safe excavation near the underground facility. If the excavator has reason to believe a locate is obliterated, obscured, missing, or incorrect, the excavator shall notify the facility operator or notification center in order to have an operator verify, refresh, or re-mark the locate.

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Subp. 3. Use of locate. A locate is valid for 14 days from the excavation commencement time stated on the excavation or location notice, unless the excavator has made previous arrangements with the operators affected to periodically verify, refresh, or re-mark the locate.

Statutory Authority: *MS s* 14.06; 216D.08; 299J.04; 299F.60 History: 24 SR 448; 29 SR 1503 Published Electronically: July 20, 2005

7560.0250 LOCATE STANDARDS.

Subpart 1. Facility locate. Unless otherwise agreed to between the excavator and operator, an operator shall locate an underground facility using stakes, flags, paint, or other suitable materials in varying combinations dependent upon the surface. The locate must be in sufficient detail to clearly identify the approximate route of the underground facility. The locate must also include:

A. name, abbreviation, or logo of the operator when more than one operator listed on the notice uses the same color markings;

B. width of the underground facility if it is greater than eight inches; and

C. number of underground facilities if greater than one.

Subp. 2. **Operator duties in no conflict situation.** After December 31, 2005, an operator who receives notice and determines that an underground facility is not in conflict with the proposed excavation shall complete one or more of the following:

A. mark the area "NO" followed by the operator's name, abbreviation, or logo in the color code of the underground facility not in conflict;

B. place a clear plastic flag at the area that:

(1) states "N/C" or "NO CONFLICT" in lettering matching the color code of the underground facility that is not in conflict; and

(2) includes the operator's name, abbreviation, or logo, the date, a contact telephone number, and the ticket number; or

C. contact the notification center through procedures required by the notification center and indicate that there are no underground facilities in conflict with the proposed excavation and that no markings or flags were left at the proposed excavation site.

Subp. 3. **Placement of flags or markings.** If using N/C (no conflict) flags or markings pursuant to subpart 2, an operator shall place the flags or markings in a location that can be readily observed by an excavator. When an area of proposed excavation is delineated by the use of white markings, an operator shall place the N/C flags or markings within, or as near as practicable to, the delineated area.

Subp. 4. **Duties of notification center.** After December 31, 2005, the notification center shall make the information received under subpart 2 available to the excavator before the start date and time on the notice. The notification center may fulfill this requirement by making the information accessible through one or more Internet addresses, by transmitting the information to a continuously working facsimile machine maintained by the excavator, or by other methodology developed by the notification center. The notification center shall make available the information received by operators pursuant to this section through

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an electronic means. The notification center is not required by this subpart to contact an excavator verbally via telephone.

Statutory Authority: *MS s 299J.04* History: *29 SR 1503* Published Electronically: *July 20, 2005*

7560.0300 OPERATOR PARTICIPATES AND SHARES COSTS.

An operator shall participate in and share the costs of the one call excavation notice system by:

A. submitting the information required by the notification center to allow the center to notify the operator of excavation activity;

B. updating the information provided to the notification center on a timely basis;

C. installing and paying for equipment reasonably requested by the notification center to facilitate receipt of notice of excavation from the center;

D. paying the costs charged by the notification center on a timely basis; and

E. receiving and responding to excavation notices, including emergency notices, as required by Minnesota Statutes, chapter 216D.

Statutory Authority: MS s 14.06; 216D.08; 299F.56; 299F.641

History: 16 SR 135

Published Electronically: July 20, 2005

7560.0325 EMERGENCY EXCAVATION NOTICES.

Subpart 1. **Duty of excavator to provide notice.** An excavator shall provide notice to the notification center before commencing an emergency excavation, unless subpart 2 applies. All emergency notices, regardless whether made prior to excavation, must be verbal or in a manner accepted by the notification center. In addition to the information required by the notification center, the notice must also contain:

A. a description of the situation requiring the emergency excavation;

B. the precise location of the proposed area of the emergency excavation;

C. at least one continuously staffed telephone number where the excavator can be contacted by the operator throughout the emergency; and

D. the excavation start date and time if the need for excavation is not immediate.

Subp. 2. Excavating before notice. If an emergency is such that providing notice or waiting for an operator would result in an undue risk to life, health, or significant loss of property, the excavator may excavate without providing prior notice or waiting for an operator to mark an underground facility. In this situation, the excavator shall provide notice as soon as practicable and take all reasonable precautions to avoid or minimize damage. Excavation prior to notice under this subpart does not relieve an excavator from any responsibility for damage to an underground facility pursuant to Minnesota Statutes, section 216D.06.

Subp. 3. Emergency notice requesting immediate response. Upon receiving an emergency excavation notice requesting an immediate response, an operator shall:

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A. attempt to contact the excavator within one hour at the telephone number provided in subpart 1, item C, to provide any information concerning facilities at or near the area of excavation including an anticipated response time; and

B. locate and mark the underground facility within three hours of notice unless:

(1) otherwise agreed between the parties;

(2) the operator notifies the excavator that not locating does not present an immediate danger to life or health, or a significant loss of property; or

(3) there is an event or situation that cannot be reasonably anticipated or controlled by the operator.

Subp. 4. Emergency notice requesting scheduled response. Upon receiving an emergency excavation notice that does not require an immediate response, and before the scheduled excavation start date and time, an operator shall:

A. locate and mark the underground facility, unless otherwise agreed between the parties; or

B. notify the excavator at the telephone number provided in subpart 1, item C, that there is not an underground facility within the area of proposed excavation.

For purposes of this subpart, a requested start time of three hours or less from the time notice is provided to the center is considered an emergency notice requesting immediate response under subpart 3.

Statutory Authority: *MS s 299J.04* History: *29 SR 1503* Published Electronically: *July 20, 2005*

7560.0350 EXCAVATION NOTICE REQUESTING MEET.

Subpart 1. Excavator duties. When requesting a meet through the notification center, an excavator must provide at least one contact name and telephone number to assist in facilitating the meet. An excavator shall contact the notification center to cancel or reschedule the meet and the notification center shall relay this information to the affected operators. When a meet is requested, an excavator's notice must include the entire geographic area of the proposed excavation and the specific location of the meet. This part does not relieve an excavator from the duty to provide a precise geographic location of the proposed area of excavation, or to use white markings except where it can be shown that to do so is not practical.

Subp. 2. **Operator duties.** When a meet is requested, an affected operator shall make a reasonable effort to attend the meet at the proposed date and time, or contact the excavator before the meet and reschedule for a mutually agreed date and time.

Subp. 3. Excavation start date and time. When a meet is requested, the meet date and time must be at least 48 hours after notice is provided, excluding Saturdays, Sundays, and holidays, and the excavation start date and time must be at least 24 hours after the proposed meet date and time specified on the notice, excluding Saturdays, Sundays, and holidays. This subpart does not apply if these matters are provided for in a written agreement with all affected operators.

Subp. 4. **Meet request documentation.** An excavator shall maintain written documentation of each meet with an underground facility operator or representative. This documentation must be kept for the duration of the excavation conducted under the notice. The documentation must include:

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- A. the date and time of each meet;
- B. the names, company affiliations, and contact information of the attendees of each meet;
- C. a diagram, sketch, or description of the precise excavation locations, dates, and times; and
- D. the agreed schedule of any future meets or communications.

Statutory Authority: MS s 299J.04

History: 29 SR 1503

Published Electronically: July 20, 2005

7560.0375 LOCATING A SERVICE LATERAL.

Subpart 1. **Operator duties.** Unless otherwise agreed, an underground facility operator shall locate a service lateral before the start date and time on the notice and in accordance with items A through C:

A. An operator of a natural gas, propane, or electric facility shall locate a service lateral up to the meter or the connection to a customer's underground facility, whichever is closer to the end-use customer. If the meter or connection to the customer's underground facility is within a public right-of-way, at a minimum the operator shall locate that portion of the service lateral within the public right-of-way up to the point where the service lateral first leaves the public right-of-way.

B. An operator of a communication facility shall locate a service lateral up to the entry of the first building. If the service lateral does not enter a building, the operator shall locate up to the utilization equipment, fence, or wall that surrounds the equipment.

C. After December 31, 2005, an operator of a sewage or water facility, at a minimum, shall locate that portion of the service lateral within a public right-of-way installed after that date up to the point where the service lateral first leaves the public right-of-way. The operator shall either locate or provide information as shown on maps, drawings, diagrams, or other records, on the location of a sewer or water service lateral installed before January 1, 2006. If no information is available on a sewer or water service lateral installed before January 1, 2006, then notifying the excavator that no information exists fulfills the requirements of this section.

Subp. 2. Exception. An operator is not required to locate a service lateral of a customer who currently participates in the statewide notification system, provided the customer and operator mutually agree that the customer will assume locate responsibilities. The agreement must be in writing.

Statutory Authority: MS s 299J.04

History: 29 SR 1503

Published Electronically: July 20, 2005

7560.0400 CITATIONS.

Subpart 1. Notice of violation. The office shall issue a notice of probable violation when the office has good cause to believe a violation of Minnesota Statutes, sections 216D.01 to 216D.09 or this chapter has occurred.

Subp. 2. Contents of notice of violation. A notice of violation must include:

7560.0500 EXCAVATION NOTICE SYSTEM

A. a statement of the statute or rule allegedly violated by the person and a description of the evidence on which the allegation is based;

B. notice of response options available to the person cited;

C. notice that the person has 30 days in which to respond;

D. notice that failure to respond within 30 days precludes administrative review under this chapter; and

E. if a civil penalty is proposed, the amount of the proposed civil penalty and the maximum civil penalty applicable under law.

Subp. 3. **Receipt of notice.** The notice of violation is deemed received three days after mailing to the person's last known address.

Statutory Authority: MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04

History: 16 SR 135; 24 SR 448

Published Electronically: July 20, 2005

7560.0500 RESPONSE OPTIONS.

The person shall respond to the notice of violation in the following way:

A. When the notice contains a proposed compliance order, the person shall:

- (1) agree to the proposed compliance order;
- (2) request the execution of a consent order;

(3) object to the proposed compliance order and submit written explanations, information, or other materials in answer to the allegations in the notice; or

(4) request the office to initiate a hearing under Minnesota Statutes, sections 14.50 to

14.69.

B. When the notice contains a proposed civil penalty, the person shall:

(1) pay the penalty and close the case;

(2) submit an offer in compromise of the proposed civil penalty;

(3) submit a written explanation, information, or other material in answer to the allegations or in mitigation of the proposed civil penalty; or

(4) request the office to initiate a hearing under Minnesota Statutes, sections 14.50 to 14.69.

C. Failure to respond in writing within 30 days precludes administrative review under this chapter. A final order will be issued and penalties will be forwarded for collection.

Statutory Authority: MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04

History: 16 SR 135; 24 SR 448

Published Electronically: July 20, 2005

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7560.0600 DIRECTOR REVIEW.

If the person objects to the proposed civil penalty or compliance order and submits written explanations, information, or other materials in response to a notice of violation, within the time specified in part 7560.0500, the director shall review the submissions and determine whether to negotiate further, to change or withdraw the notice of violation, or to initiate a hearing under Minnesota Statutes, sections 14.50 to 14.69.

Statutory Authority: MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04

History: 16 SR 135; 24 SR 448

Published Electronically: July 20, 2005

7560.0700 CONSENT ORDER.

An executed consent order must contain:

A. an admission by the person of the jurisdictional facts;

B. a waiver of further procedural steps and the right to seek judicial or administrative review or otherwise challenge or contest the validity of the consent order; and

C. an agreement that the notice of violation may be used to construe the terms of the consent order.

Statutory Authority: MS s 14.06; 216D.08; 299F.56; 299F.641

History: 16 SR 135

Published Electronically: July 20, 2005

7560.0800 CIVIL PENALTIES.

Subpart 1. **Proceedings against excavators.** When the office has good cause to believe that an excavator is engaging or has engaged in conduct that violates Minnesota Statutes, section 216D.04, subdivision 1, 2, or 3; 216D.05, clause (1), (2), (3), or (4); or 216D.06, subdivision 1, or a rule adopted under Minnesota Statutes, section 216D.08, subdivision 4, the office, if appropriate, shall negotiate a civil penalty under Minnesota Statutes, section 216D.08, subdivision 2. A penalty imposed under Minnesota Statutes, section 216D.08, subdivision 2. A penalty imposed under Minnesota Statutes, section 216D.08, subdivision 2. A penalty imposed under Minnesota Statutes, section 216D.08, is subject to the contested case and judicial review provisions of Minnesota Statutes, chapter 14. An operator who engages or has engaged in excavation that violates Minnesota Statutes, chapter 216D, is subject to the proceedings specified in subpart 2 and is subject to the penalties specified in subpart 4, item B or C.

Subp. 2. Proceedings against underground facility operators. The office may negotiate a civil penalty under item A or B.

A. When the office has good cause to believe that an underground facility operator, other than an operator set forth in item B, is engaging or has engaged in conduct that violates Minnesota Statutes, sections 216D.01 to 216D.07, or a rule adopted under Minnesota Statutes, section 216D.08, subdivision 4, the office, if appropriate, shall negotiate a civil penalty under Minnesota Statutes, section 216D.08, subdivision 2. A penalty imposed under Minnesota Statutes, section 216D.08, is subject to the contested case and judicial review provisions of Minnesota Statutes, chapter 14.

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B. When the office has good cause to believe that an operator who engages in the transportation of gas or hazardous liquids or who owns or operates a gas or hazardous liquid pipeline facility is engaging or has engaged in conduct that violates Minnesota Statutes, sections 299F.56 to 299F.641, or a rule adopted under Minnesota Statutes, section 299F.60, subdivision 5, the office, if appropriate, shall negotiate a civil penalty under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, is subject to the contested case and judicial review provisions of Minnesota Statutes, chapter 14.

Subp. 3. Assessment considerations. In assessing a civil penalty under this part, the office shall consider the following factors:

- A. the nature, circumstances, and gravity of the violation;
- B. the degree of the person's culpability;
- C. the person's history of previous offenses;
- D. the person's ability to pay;
- E. good faith on the part of the person in attempting to remedy the cause of the violation;
- F. the effect of the penalty on the person's ability to continue in business; and
- G. past reports of damage to an underground facility by a person.

Subp. 4. **Maximum penalties.** For the purposes of this part, penalties imposed under this part must not exceed the limits in items A to C.

A. Penalties imposed against excavators must not exceed \$1,000 for each violation per day of violation.

B. Penalties imposed against underground facility operators, other than an operator set forth in item C, must not exceed \$1,000 for each violation per day of violation.

C. Penalties imposed against an operator who engages in the transportation of gas or hazardous liquids or who owns or operates a gas or hazardous liquid pipeline facility must not exceed \$10,000 for each violation for each day that the violation persists, except that the maximum civil penalty must not exceed \$500,000 for a related series of violations.

Subp. 5. **Payment procedure.** The person shall pay a civil penalty that has been proposed, assessed, or compromised by submitting to the office a check or money order in the correct amount, payable to the commissioner of public safety.

Statutory Authority: MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04

History: 16 SR 135; 24 SR 448

Published Electronically: July 20, 2005

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Certificate Of Completion

Envelope Id: C069E519-20F0-4299-B957-767DD6596B9E Subject: craig meyer - ROW Permit Application Source Envelope: Document Pages: 132 Signatures: 2 Initials: 1 Certificate Pages: 4 AutoNav: Enabled Envelopeld Stamping: Enabled Time Zone: (UTC-06:00) Central Time (US & Canada)

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Status: Original 5/27/2025 4:00:36 PM Security Appliance Status: Connected Storage Appliance Status: Connected

Signer Events

craig meyer craig@dreselcontracting.com Security Level: DocuSign.email ID: 1 5/27/2025 4:00:38 PM

Electronic Record and Signature Disclosure: Accepted: 6/26/2024 7:25:39 AM ID: 98c2b60d-47ff-4bc6-9057-f08307c30c36

Susan Burgmeier

Susan.Burgmeier@anokacountymn.gov Associate Traffic Technician

Anoka County

Signing Group: Highway Permits

Security Level: Email, Account Authentication (Optional)

Electronic Record and Signature Disclosure: Accepted: 5/13/2025 9:49:10 AM

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Security Level: Email, Account Authentication (Optional)

Electronic Record and Signature Disclosure:

Holder: Highway Permits highwaypermits@anokacountymn.gov Pool: StateLocal Pool: Anoka County

Signature

DocuSigned by: craig meyer 57F0146483CA482.

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Certified Delivered	Security Checked	5/28/2025 7:35:38 AM			
Signing Complete	Security Checked	5/28/2025 8:58:13 AM			
Completed	Security Checked	5/28/2025 8:58:22 AM			
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changing an email address, please include your prior email address as well as your new address. If you no longer wish to receive future documents in electronic format, please include that request in the body of your email.

Email: helpdesk@co.anoka.mn.us Phone: (763)-324-4110 Address: Anoka County Government Center Attn: Information Technology, #300 2100 3rd Avenue Anoka, MN 55303

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <u>https://support.docusign.com/guides/signer-guide-signing-system-requirements</u>.

ACKNOWLEDGEMENT

To confirm your access to the electronic notices and disclosures, which will be similar to other electronic notices and disclosures that we may provide to you, please acknowledge that you have read this ERSD by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Anoka County as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Anoka County during the course of your relationship with Anoka County.