



NORTH BRANCH —Minnesota—

Kevin Schieber
Mayor

Robert Canada
Councilmember/Acting Mayor

Travis Miles
Councilmember

Jeff Goulet
Councilmember

Peter Schaps
Councilmember

**CITY COUNCIL
REGULAR AGENDA
TUESDAY, MARCH 11, 2025 @ 7:00 PM
CITY HALL, 6408 ELM STREET, NORTH
BRANCH, MN 55056**

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL

4. AGENDA APPROVAL

a. Approve Agenda

ACTION

5. PRESENTATION & PROCLAMATION

a. Oath of Office and Swearing in of Officer Trey Garrett

INFO

6. PUBLIC COMMENT

Provides an opportunity for the public to address the Council on items that are not on the Agenda. Please raise your hand to be recognized. Please state your name and address for the record. This section is for the express purpose of addressing concerns of City services and operations. It shall not be used to clarify individual's views for political purposes.

7. CONSENT AGENDA

All matters listed under Consent Agenda are considered routine and/or non-controversial and will be approved by one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which case the item will be removed from the Consent Agenda and considered in its normal sequence on the Agenda.

a. Claims

ACTION

b. Approve Minutes from February 25, 2025 City Council meeting

ACTION

c. Approve Northwood Park Pickleball Court & Site Improvement - Winberg Final
Pay Request Amendment

ACTION

d. Recieve Summary of Conclusions of Closed meeting on February 25, 2025

INFO

- e. Approve the hiring of Public Works Maintenance 1 workers Ken Friedland and Blake Glem for the Public Works Department. ACTION
- f. Recieve the resignation of Lane Hischer from the Public Works Maintenance I position, and approve the hire of Brad Fesler to fill the position. ACTION
- g. Approve application for Transient Merchant License Food Truck to Medina's Tacos ACTION
- h. Approve the Hire of Kendra Rock as Police Officer ACTION
- i. Resolution R-160-2025 approving pay request number 3 for the 2024 overlay project ACTION

8. PUBLIC HEARINGS

9. STAFF REPORTS

- a. Consider Approval Fourth Amendment to Purchase Agreement with Sunrise River Commons, LLC. ACTION
- b. Update regarding the MNDOT Turn lane project at Highway 95 and 392nd Street VERBAL UPDATE
- c. Consider Approval of Building Replacement Space of Public Works Building ACTION
- d. Consider approval of the hiring of Travis Miles as the Human Resources Generalist for the City of North Branch ACTION
- e. Consider approval of Resolution # R-159-2025 Accepting Council Member Resignation and Declaring a Vacancy. ACTION

10. MAYOR/CITY COUNCIL

11. ADJOURNMENT

Since we do not have time to discuss every point presented, it may seem that decisions are preconceived. However, background information is provided to the City Council on each Agenda item in advance from Staff and appointed Commissions; and decisions are based on this information and past experiences. In addition some items may also have been discussed preliminarily at Council Work Sessions. If you are aware of information that has not been discussed, please raise your hand to be recognized. Comments that are pertinent are appreciated. Items requiring excessive time may be continued to another meeting.



Prepared By: Dan Meyer, Police Chief

Presenter: Dan Meyer, Police Chief

Date: 03/04/2025

Board & Commission: City Council

Subject: Oath of Office and Swearing in of Officer Trey Garrett

Oath of Office and swearing-in of Officer Trey Garrett

Voting Requirements:

N/A



Prepared By:

Presenter:

Date: 01/31/2025

Board & Commission: City Council

Subject: Claims

Voting Requirements:

Voting Options Simple Majority

City of North Branch

ACH Checks

5723 to 5730 - \$95,302.15

Checks

91038 to 91112 - \$260,237.00

Payroll

FEB 28, 2025 - \$112,427.68

Accounts Payable
Computer Check Proof List by Vendor

User: TiffaniFolstad
Printed: 02/28/2025 - 8:22AM
Batch: 00004.02.2025 - 02282025



Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
Vendor: 1646	Ameritas			Check Sequence: 1	ACH Enabled: False
0228 AMER	Ameritas 457 Employee	90.00	02/25/2025	101-00000-21705	PR Batch 00002.02.2025 Ameritas 457 Em
	Check Total:	90.00			
Vendor: 1279	Johnson Brothers Liquor Co.			Check Sequence: 2	ACH Enabled: False
2709979	LIQUOR	5,930.23	02/28/2025	609-49750-50251	
	Check Total:	5,930.23			
	Total for Check Run:	6,020.23			
	Total of Number of Checks:	2			

Accounts Payable

Computer Check Proof List by Vendor

User: TiffaniFolstad
Printed: 03/06/2025 - 2:19PM
Batch: 00001.03.2025 - 03062025



Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
Vendor: 2059	Abdo LLP			Check Sequence: 1	ACH Enabled: False
502872	2024 AUDIT	1,459.85	03/06/2025	609-49750-50301	
502872	2024 AUDIT	1,338.20	03/06/2025	612-49700-50301	
502872	2024 AUDIT	14,598.54	03/06/2025	101-41500-50301	
502872	2024 AUDIT	486.62	03/06/2025	201-46500-50301	
502872	2024 AUDIT	194.65	03/06/2025	609-48000-50301	
502872	2024 AUDIT	729.93	03/06/2025	620-49600-50301	
502872	2024 AUDIT	7,299.27	03/06/2025	615-49550-50301	
502872	2024 AUDIT	3,892.94	03/06/2025	602-49450-50301	
	Check Total:	30,000.00			
Vendor: 1005	Ace Solid Waste			Check Sequence: 2	ACH Enabled: False
11626644T067	TRASH SERVICE FOR MAR 2025 -LIB	102.31	03/06/2025	101-45500-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -MAPLE S	58.13	03/06/2025	615-49550-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -FD	123.52	03/06/2025	101-42280-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -PW	308.52	03/06/2025	101-43000-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -LS#1	140.44	03/06/2025	609-49750-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -WAT 383R	107.28	03/06/2025	615-49550-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -WW ASH	245.56	03/06/2025	602-49450-50387	
11626644T067	TRASH SERVICE FOR MAR 2025 -CITY HAL	210.45	03/06/2025	101-41940-50387	
	Check Total:	1,296.21			
Vendor: 2140	Alert 360 Opco, Inc.			Check Sequence: 3	ACH Enabled: False
16061433	MONITORING	56.16	03/06/2025	609-49750-50300	
16061434	MONITORING	70.45	03/06/2025	609-48000-50300	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
	Check Total:	126.61			
Vendor: 1662	Amazon Capital Services			Check Sequence: 4	ACH Enabled: False
1F6M-YG7C-C1DV	OPERATING SUPPLIES	128.97	03/06/2025	101-42110-50210	
1JNC-TYN6-CGK	OPERATING SUPPLIES	201.40	03/06/2025	101-42110-50210	
1VJG-99MN-4CGC	OTTERBOX CLIP	9.94	03/06/2025	101-42110-50210	
1VP1-J4NC-4N3G	iPHONE AND iPad PROTECTIVE CASES	71.73	03/06/2025	101-42110-50210	
	Check Total:	412.04			
Vendor: 1029	Artisan Beer Company			Check Sequence: 5	ACH Enabled: False
3748042	BEER	58.50	03/06/2025	609-49750-50252	
3748042	BEER	0.00	03/06/2025	609-48000-50252	
3748042	THC	0.00	03/06/2025	609-49750-50254	
3748042	THC	0.00	03/06/2025	609-48000-50254	
3748042	BEER	0.00	03/06/2025	609-49750-50252	
3748043	BEER	0.00	03/06/2025	609-48000-50252	
3748043	BEER	83.10	03/06/2025	609-49750-50252	
3748043	THC	0.00	03/06/2025	609-49750-50254	
3748043	THC	0.00	03/06/2025	609-48000-50254	
3748043	BEER	0.00	03/06/2025	609-49750-50252	
3748044	BEER	197.00	03/06/2025	609-48000-50252	
3749734	BEER	55.40	03/06/2025	609-49750-50252	
3749735	BEER	184.65	03/06/2025	609-48000-50252	
	Check Total:	578.65			
Vendor: 1036	AT & T Mobility			Check Sequence: 6	ACH Enabled: False
287294264933X03	MOBILE SERVICES	2,772.62	03/06/2025	101-41420-50321	
	Check Total:	2,772.62			
Vendor: 1038	Automatic Systems Co.			Check Sequence: 7	ACH Enabled: False
42964	WASTEWATER LIFT REPAIRS	1,008.75	03/06/2025	101-41420-50300	
	Check Total:	1,008.75			
Vendor: 2207	Beaudry Oil & Service, Inc			Check Sequence: 8	ACH Enabled: False

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
2867626	PW DIESEL FUEL	5,213.81	03/06/2025	101-43000-50212	
2886245	PW DIESEL FUEL	3,934.71	03/06/2025	101-43000-50212	
	Check Total:	9,148.52			
Vendor: 1049	Bellboy Corporation			Check Sequence: 9	ACH Enabled: False
0206798700	WINE	267.30	03/06/2025	609-49750-50253	
0206798700	LIQUOR	1,515.25	03/06/2025	609-49750-50251	
0206870700	N/A SALES	0.00	03/06/2025	609-49750-50250	
0206870700	WINE	0.00	03/06/2025	609-48000-50253	
0206870700	N/A SALES	0.00	03/06/2025	609-48000-50250	
0206870700	OPERATING SUPPLIES	0.00	03/06/2025	609-49750-50210	
0206870700	THC	0.00	03/06/2025	609-48000-50254	
0206870700	THC	651.30	03/06/2025	609-49750-50254	
0206870700	OPERATING SUPPLIES	0.00	03/06/2025	609-48000-50210	
0206870700	LIQUOR	0.00	03/06/2025	609-48000-50251	
0206870700	WINE	0.00	03/06/2025	609-49750-50253	
0206870700	LIQUOR	1,287.55	03/06/2025	609-49750-50251	
0206974100	THC CREDIT	-109.65	03/06/2025	609-49750-50254	
	Check Total:	3,611.75			
Vendor: 1052	Bernicks			Check Sequence: 10	ACH Enabled: False
10324458	BEER	2,995.20	03/06/2025	609-49750-50252	
10324459	N/A SALES	25.68	03/06/2025	609-49750-50250	
10324460	BEER CREDIT	-45.80	03/06/2025	609-49750-50252	
10324469	BEER	1,819.80	03/06/2025	609-48000-50252	
10324469	N/A SALES	25.55	03/06/2025	609-48000-50250	
10327080	THC	84.00	03/06/2025	609-49750-50254	
10327081	BEER	4,952.60	03/06/2025	609-49750-50252	
10327081	LIQUOR	60.00	03/06/2025	609-49750-50251	
10327081	N/A SALES	109.30	03/06/2025	609-49750-50250	
10327082	N/A SALES	87.54	03/06/2025	609-49750-50250	
10327083	BEER CREDIT	-187.92	03/06/2025	609-49750-50252	
10327087	THC	96.00	03/06/2025	609-48000-50254	
10327088	BEER	2,021.10	03/06/2025	609-48000-50252	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
10327088	N/A SALES	29.00	03/06/2025	609-48000-50250	
10327089	BEER CREDIT	-76.19	03/06/2025	609-48000-50252	
10703	BEER CREDIT	-52.40	03/06/2025	609-48000-50252	
	Check Total:	11,943.46			
Vendor: 1066	Breakthru Beverage MN			Check Sequence: 11	ACH Enabled: False
120132237	BEER	261.00	03/06/2025	609-49750-50252	
120134296	LIQUOR	1,790.31	03/06/2025	609-48000-50251	
120134297	WINE	627.55	03/06/2025	609-48000-50253	
120134418	LIQUOR	841.85	03/06/2025	609-49750-50251	
120134419	N/A SALES	174.13	03/06/2025	609-49750-50250	
120134420	WINE	673.90	03/06/2025	609-49750-50253	
120238890	WINE	209.65	03/06/2025	609-48000-50253	
120238893	WINE	209.65	03/06/2025	609-49750-50253	
120245485	LIQUOR	2,685.43	03/06/2025	609-48000-50251	
120245486	N/A SALES	97.65	03/06/2025	609-48000-50250	
120245617	LIQUOR	16,297.01	03/06/2025	609-49750-50251	
120245618	N/A SALES	11.55	03/06/2025	609-49750-50250	
413292460	N/A SALES CREDIT	-69.57	03/06/2025	609-49750-50250	
413292461	WINE	233.65	03/06/2025	609-49750-50253	
	Check Total:	24,043.76			
Vendor: 1082	Capitol Beverage Sales LP			Check Sequence: 12	ACH Enabled: False
3103060	N/A	58.68	03/06/2025	609-48000-50250	
3103060	BEER	191.80	03/06/2025	609-48000-50252	
	Check Total:	250.48			
Vendor: 2209	Wendy Chelberg			Check Sequence: 13	ACH Enabled: False
2025 Q1 PTOS	2025 Q1 PTOS COMMISSION	25.00	03/06/2025	101-41110-50331	
	Check Total:	25.00			
Vendor: 2231	Christopher Clasen			Check Sequence: 14	ACH Enabled: False
6034	RINK ATTENDANT WK END 02/23/2025	891.00	03/06/2025	101-45000-50103	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
	Check Total:	891.00			
Vendor: 2206	Core & Main LP			Check Sequence: 15	ACH Enabled: False
W453898	WATER MAIN REPLACEMENT PARTS	4,686.25	03/06/2025	615-49550-50407	
W453921	WATER SERVICE LINE PARTS	2,496.00	03/06/2025	615-49550-50407	
	Check Total:	7,182.25			
Vendor: 1122	Crystal Springs Ice			Check Sequence: 16	ACH Enabled: False
02-500589	N/A SALES	88.07	03/06/2025	609-48000-50250	
02-500591	N/A SALES	121.92	03/06/2025	609-49750-50250	
	Check Total:	209.99			
Vendor: 1129	Dahlheimer Distributing			Check Sequence: 17	ACH Enabled: False
2403634	BEER	5,403.40	03/06/2025	609-49750-50252	
2403758	LIQUOR	54.00	03/06/2025	609-48000-50251	
2403759	BEER	1,658.45	03/06/2025	609-48000-50252	
2403760	N/A SALES	145.35	03/06/2025	609-49750-50250	
2403761	LIQUOR	157.80	03/06/2025	609-49750-50251	
2403762	THC	458.50	03/06/2025	609-49750-50254	
2406497	BEER	9,226.40	03/06/2025	609-49750-50252	
2409134	LIQUOR	162.00	03/06/2025	609-48000-50251	
2409135	BEER	3,274.30	03/06/2025	609-48000-50252	
2409136	LIQUOR	263.00	03/06/2025	609-49750-50251	
2409137	N/A SALES	199.90	03/06/2025	609-49750-50250	
2409139	THC	1,423.50	03/06/2025	609-49750-50254	
2410317	BEER CREDIT	-166.50	03/06/2025	609-49750-50252	
	Check Total:	22,260.10			
Vendor: 1152	Ehlers			Check Sequence: 18	ACH Enabled: False
100445	2nd Half PAYGO Note PREP	147.50	03/06/2025	291-46500-50306	
	Check Total:	147.50			
Vendor: 1826	Enterprise FM Trust-Car Sales			Check Sequence: 19	ACH Enabled: False
UNIT23BJJM	FINAL LEASE PAYMENT 2020 DURANGO	5,177.42	03/06/2025	101-42110-50229	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
	Check Total:	5,177.42			
Vendor: 2241 10843	Everblades, Inc. PLOW TRUCK WIPER BLADES	326.00	03/06/2025	Check Sequence: 20 101-43000-50404	ACH Enabled: False
	Check Total:	326.00			
Vendor: 2205 21373	FES, Inc. FD GEAR	7,447.09	03/06/2025	Check Sequence: 21 208-42280-50201	ACH Enabled: False
21378	FD SAFETY GLOVE	57.67	03/06/2025	101-42280-50201	
	Check Total:	7,504.76			
Vendor: 1706 JAN 2025	Flaherty & Hood, P.A. GENERAL MUNICIPAL MATTERS	376.25	03/06/2025	Check Sequence: 22 101-00000-21128	ACH Enabled: False
JAN 2025	GENERAL MUNICIPAL MATTERS	537.50	03/06/2025	101-00000-21166	
JAN 2025	GENERAL MUNICIPAL MATTERS	2,106.25	03/06/2025	101-41610-50304	
JAN 2025	GENERAL MUNICIPAL MATTERS	2,511.25	03/06/2025	201-46500-50304	
JAN 2025	GENERAL MUNICIPAL MATTERS	1,075.00	03/06/2025	101-49990-50304	
	Check Total:	6,606.25			
Vendor: 1225 9340854495	Graybar LIBRARY LIGHT BULBS	308.88	03/06/2025	Check Sequence: 23 101-45500-50401	ACH Enabled: False
	Check Total:	308.88			
Vendor: 2243 301880	Guardian Fleet Safety, LLC IT UPDATES 2020 DURANGO	1,947.15	03/06/2025	Check Sequence: 24 101-42110-50404	ACH Enabled: False
	Check Total:	1,947.15			
Vendor: 1234 14329793	Hach Company CHLORINE ANALYZER - WP #2	4,543.65	03/06/2025	Check Sequence: 25 615-49550-50404	ACH Enabled: False
14375727	WP LAB TESTING RE-GENTS FOR CL	723.90	03/06/2025	615-49550-50210	
	Check Total:	5,267.55			
Vendor: 2244 MH MOVING RE	Matthew Hill MOVING EXPENSES REIMBURSE	2,335.00	03/06/2025	Check Sequence: 26 101-41310-50430	ACH Enabled: False

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
	Check Total:	2,335.00			
Vendor: 1246	Hohensteins, Inc.			Check Sequence: 27	ACH Enabled: False
798702	BEER	151.50	03/06/2025	609-49750-50252	
	Check Total:	151.50			
Vendor: 2142	Insight Brewing Company, LLC			Check Sequence: 28	ACH Enabled: False
22025	BEER	102.19	03/06/2025	609-49750-50252	
	Check Total:	102.19			
Vendor: 1265	Isanti-Chisago County Star			Check Sequence: 29	ACH Enabled: False
1874427	HR JOB POSTING	86.40	03/06/2025	101-41430-50340	
1874458	FISK ACRES PUB HEAR NOT	6.83	03/06/2025	101-41910-50351	
	Check Total:	93.23			
Vendor: 1269	IUOE Local 49 Fringe Benefit			Check Sequence: 30	ACH Enabled: False
FOR APRIL 2025	49ERS HEALTH	18,780.00	03/06/2025	101-00000-21706	
	Check Total:	18,780.00			
Vendor: 1279	Johnson Brothers Liquor Co.			Check Sequence: 31	ACH Enabled: False
2732459	WINE	0.00	03/06/2025	609-48000-50253	
2732459	N/A SALES	0.00	03/06/2025	609-49750-50250	
2732459	BEER	0.00	03/06/2025	609-49750-50252	
2732459	LIQUOR	1,207.26	03/06/2025	609-49750-50251	
2732459	LIQUOR	0.00	03/06/2025	609-48000-50251	
2732459	WINE	0.00	03/06/2025	609-49750-50253	
2732459	BEER	0.00	03/06/2025	609-48000-50252	
2732459	LIQUOR	0.00	03/06/2025	609-49750-50251	
2732459	N/A SALES	0.00	03/06/2025	609-48000-50250	
2732460	WINE	510.56	03/06/2025	609-49750-50253	
2732461	LIQUOR	706.60	03/06/2025	609-49750-50251	
2732462	N/A SALES	38.82	03/06/2025	609-49750-50250	
2732463	WINE	371.28	03/06/2025	609-49750-50253	
2732464	N/A SALES	37.82	03/06/2025	609-48000-50250	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
2732465	LIQUOR	279.10	03/06/2025	609-48000-50251	
2732466	WINE	365.10	03/06/2025	609-48000-50253	
2732467	WINE	559.04	03/06/2025	609-48000-50253	
2733455	LIQUOR	2,821.76	03/06/2025	609-49750-50251	
2733456	LIQUOR	1,263.38	03/06/2025	609-48000-50251	
2737083	N/A SALES	0.00	03/06/2025	609-48000-50250	
2737083	LIQUOR	0.91	03/06/2025	609-49750-50251	
2737083	BEER	0.00	03/06/2025	609-48000-50252	
2737083	WINE	0.00	03/06/2025	609-49750-50253	
2737083	LIQUOR	0.00	03/06/2025	609-48000-50251	
2737083	BEER	0.00	03/06/2025	609-49750-50252	
2737083	N/A SALES	0.00	03/06/2025	609-49750-50250	
2737083	WINE	0.00	03/06/2025	609-48000-50253	
2737084	BEER	0.00	03/06/2025	609-48000-50252	
2737084	LIQUOR	0.00	03/06/2025	609-48000-50251	
2737084	N/A SALES	0.00	03/06/2025	609-48000-50250	
2737084	N/A SALES	0.00	03/06/2025	609-49750-50250	
2737084	WINE	0.00	03/06/2025	609-48000-50253	
2737084	WINE	0.00	03/06/2025	609-49750-50253	
2737084	LIQUOR	928.01	03/06/2025	609-49750-50251	
2737084	BEER	0.00	03/06/2025	609-49750-50252	
2737085	BEER	0.00	03/06/2025	609-49750-50252	
2737085	BEER	0.00	03/06/2025	609-48000-50252	
2737085	N/A SALES	0.00	03/06/2025	609-49750-50250	
2737085	WINE	0.00	03/06/2025	609-49750-50253	
2737085	N/A SALES	0.00	03/06/2025	609-48000-50250	
2737085	LIQUOR	1,640.96	03/06/2025	609-49750-50251	
2737085	WINE	0.00	03/06/2025	609-48000-50253	
2737085	LIQUOR	0.00	03/06/2025	609-48000-50251	
2737086	N/A SALES	0.00	03/06/2025	609-49750-50250	
2737086	BEER	0.00	03/06/2025	609-49750-50252	
2737086	WINE	0.00	03/06/2025	609-48000-50253	
2737086	N/A SALES	0.00	03/06/2025	609-48000-50250	
2737086	BEER	0.00	03/06/2025	609-48000-50252	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
2737086	WINE	544.58	03/06/2025	609-49750-50253	
2737086	LIQUOR	0.00	03/06/2025	609-48000-50251	
2737087	WINE	0.00	03/06/2025	609-48000-50253	
2737087	WINE	317.10	03/06/2025	609-49750-50253	
2737087	N/A SALES	0.00	03/06/2025	609-49750-50250	
2737087	LIQUOR	0.00	03/06/2025	609-48000-50251	
2737087	N/A SALES	0.00	03/06/2025	609-48000-50250	
2737087	LIQUOR	0.00	03/06/2025	609-49750-50251	
2737087	BEER	0.00	03/06/2025	609-48000-50252	
2737087	BEER	0.00	03/06/2025	609-49750-50252	
2737088	LIQUOR	952.38	03/06/2025	609-48000-50251	
2737089	LIQUOR	498.16	03/06/2025	609-48000-50251	
2737090	WINE	1,029.08	03/06/2025	609-48000-50253	
2737091	LIQUOR	135.82	03/06/2025	609-48000-50251	
2737092	WINE	179.64	03/06/2025	609-48000-50253	
	Check Total:	14,387.36			
Vendor: 1658 32402	Kramer Mechanical Plumbing & Heating, Inc. GAS HEATERS FOR GENERATION	10,016.00	03/06/2025	Check Sequence: 32 620-49600-50401	ACH Enabled: False
	Check Total:	10,016.00			
Vendor: 1949 Q1 PTOS 2025	Farfum Ladroma Q1 PTOS 2025	75.00	03/06/2025	Check Sequence: 33 101-41110-50331	ACH Enabled: False
	Check Total:	75.00			
Vendor: 1685 002162	Lakes Brewing Company BEER	235.00	03/06/2025	Check Sequence: 34 609-49750-50252	ACH Enabled: False
	Check Total:	235.00			
Vendor: 1878 852791 853454	Larkin Hoffman Attorneys OCT 2024 Legislative Representation FEB 2025 Legislative Representation	2,500.00 2,500.00	03/06/2025 03/06/2025	Check Sequence: 35 101-41800-50300 101-41800-50300	ACH Enabled: False
	Check Total:	5,000.00			

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
Vendor: 1302 MAR 2025	Law Enforcement Labor Services MARCH UNION DUES (\$73 CREDIT)	803.00	03/06/2025	Check Sequence: 36 101-00000-21708	ACH Enabled: False
	Check Total:	803.00			
Vendor: 1308 FOR MAR 2025	LegalShield PAYROLL WITHOLDING	46.85	03/06/2025	Check Sequence: 37 101-00000-21712	ACH Enabled: False
	Check Total:	46.85			
Vendor: 1643 5760613 792854 792855 792855 793003 794026 794028 794028 794113 794113	McDonald Distributing BEER CREDIT LIQUOR LIQUOR BEER BEER CREDIT LIQUOR THC BEER BEER LIQUOR	-19.60 106.60 33.60 6,027.55 -25.60 180.90 71.76 8,229.80 1,078.35 106.60	03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025 03/06/2025	Check Sequence: 38 609-49750-50252 609-49750-50251 609-49750-50251 609-49750-50252 609-49750-50252 609-49750-50251 609-49750-50254 609-49750-50252 609-48000-50252 609-48000-50251	ACH Enabled: False
	Check Total:	15,789.96			
Vendor: 1644 IN-21716 IN-21716	Mega Beer BEER THC	484.85 150.25	03/06/2025 03/06/2025	Check Sequence: 39 609-48000-50252 609-48000-50254	ACH Enabled: False
	Check Total:	635.10			
Vendor: 1348 2729768	Metro Sales Inc. COPY MACHINE LEASE FOR MARCH	259.00	03/06/2025	Check Sequence: 40 101-41420-50219	ACH Enabled: False
	Check Total:	259.00			
Vendor: 1353 16640100114582	Midcontinent CITYWIDE INTERNET FOR MAR 2025	920.39	03/06/2025	Check Sequence: 41 101-41420-50243	ACH Enabled: False
	Check Total:	920.39			

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
Vendor: 1364	Minnesota Elevator, Inc.			Check Sequence: 42	ACH Enabled: False
1108594	JANUARY ELEVATOR INSPECTION	135.00	03/06/2025	101-41940-50300	
1117341	MARCH ELEVATOR INSPECTION	135.00	03/06/2025	101-41940-50300	
	Check Total:	270.00			
Vendor: 1403	MN State Partrol, CMV Section			Check Sequence: 43	ACH Enabled: False
2026 MNDOT	32 DOT STICKER	64.00	03/06/2025	101-43000-50210	
	Check Total:	64.00			
Vendor: 1404	MN Teamsters #320			Check Sequence: 44	ACH Enabled: False
FOR MAR 2025	CITY ESSENTIAL EE UNION DUES	929.00	03/06/2025	101-00000-21708	
FOR MAR 2025	CITY SUPERVISOR UNION DUES	931.00	03/06/2025	101-00000-21708	
	Check Total:	1,860.00			
Vendor: 1430	Nardini Fire Equipt. Co., Inc.			Check Sequence: 45	ACH Enabled: False
321154	CO2 INSPECTIONS	414.00	03/06/2025	602-49450-50300	
	Check Total:	414.00			
Vendor: 2145	Nelson Electric Inc			Check Sequence: 46	ACH Enabled: False
66721	AIR WASH BLOWER OVERLOAD	850.00	03/06/2025	615-49550-50401	
66721	GAS HEATER WIRING	500.00	03/06/2025	620-49600-50401	
	Check Total:	1,350.00			
Vendor: 2047	NEONLINK LLC			Check Sequence: 47	ACH Enabled: False
3045	WEB PORTAL ACCESS	84.20	03/06/2025	615-49550-50300	
3045	WEB PORTAL ACCESS	84.20	03/06/2025	602-49450-50300	
3045	WEB PORTAL ACCESS	84.20	03/06/2025	612-49700-50300	
	Check Total:	252.60			
Vendor: 1893	Parman Energy Group, LLC			Check Sequence: 48	ACH Enabled: False
287653	PW EQUIPMENT GREASE	171.51	03/06/2025	101-43000-50210	
	Check Total:	171.51			
Vendor: 1465	Paustis Wine Company			Check Sequence: 49	ACH Enabled: False

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
259280	WINE	422.00	03/06/2025	609-48000-50253	
	Check Total:	422.00			
Vendor: 1474	Phillips Wine & Spirits, Inc.			Check Sequence: 50	ACH Enabled: False
542832	WINE CREDIT	-14.67	03/06/2025	609-49750-50253	
542833	LIQUOR	-6.29	03/06/2025	609-49750-50251	
6932256	LIQUOR	632.60	03/06/2025	609-48000-50251	
6932257	N/A SALES	129.07	03/06/2025	609-48000-50250	
6932258	LIQUOR	1,164.49	03/06/2025	609-49750-50251	
6932259	LIQUOR	335.76	03/06/2025	609-49750-50251	
6932259	WINE	797.24	03/06/2025	609-49750-50253	
6932260	LIQUOR	379.28	03/06/2025	609-48000-50251	
6932261	WINE	372.14	03/06/2025	609-48000-50253	
6935929	LIQUOR	897.26	03/06/2025	609-48000-50251	
6935930	WINE	1.82	03/06/2025	609-48000-50253	
6935931	N/A SALES	43.64	03/06/2025	609-48000-50250	
6935932	LIQUOR	266.04	03/06/2025	609-49750-50251	
6935933	WINE	410.88	03/06/2025	609-49750-50253	
6935935	WINE	499.22	03/06/2025	609-48000-50253	
	Check Total:	5,908.48			
Vendor: 2232	Pryes Brewing Company LLC			Check Sequence: 51	ACH Enabled: False
	BEER	160.50	03/06/2025	609-48000-50252	
	Check Total:	160.50			
Vendor: 2066	RMB Environmental Laboratories, Inc.			Check Sequence: 52	ACH Enabled: False
B016246	WEEKLY WASTEWATER TESTING	124.60	03/06/2025	602-49450-50315	
B016296	WEEKLY WASTEWATER TESTING	124.60	03/06/2025	602-49450-50315	
B016338	WEEKLY WASTEWATER TESTING	124.60	03/06/2025	602-49450-50315	
B016341	WATER PLANT TESTING	105.00	03/06/2025	615-49550-50315	
	Check Total:	478.80			
Vendor: 1513	Safe-Fast, Inc.			Check Sequence: 53	ACH Enabled: False
304164	SAFETY GLASSES	56.88	03/06/2025	101-43000-50237	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
304165	SAFETY GLASSES & BOOTS	94.88	03/06/2025	101-43000-50237	
	Check Total:	151.76			
Vendor: 1527	Small Lot MN			Check Sequence: 54	ACH Enabled: False
MN89734	WINE	960.00	03/06/2025	609-48000-50253	
MN89735	WINE	674.00	03/06/2025	609-49750-50253	
	Check Total:	1,634.00			
Vendor: 1995	SOLDO CONSULTING P.C.			Check Sequence: 55	ACH Enabled: False
03.05.2025	INVESTIGATION 1-28-2025 TO 2-25-2025	5,977.50	03/06/2025	101-41610-50304	
	Check Total:	5,977.50			
Vendor: 1534	Southern Glazers Wine & Spirits of Minnesota			Check Sequence: 56	ACH Enabled: False
2591080	WINE	626.16	03/06/2025	609-48000-50253	
2591080	LIQUOR	357.19	03/06/2025	609-48000-50251	
2591556	LIQUOR	754.09	03/06/2025	609-49750-50251	
2591557	WINE	984.29	03/06/2025	609-49750-50253	
2593729	WINE	101.10	03/06/2025	609-48000-50253	
2593729	LIQUOR	383.21	03/06/2025	609-48000-50251	
2594216	LIQUOR	2,574.14	03/06/2025	609-49750-50251	
2594217	WINE	686.54	03/06/2025	609-49750-50253	
	Check Total:	6,466.72			
Vendor: 1677	Springbrook Holding Company, LLC			Check Sequence: 57	ACH Enabled: False
8812	UB IMPLEMENTATION	300.00	03/06/2025	101-41420-50300	
	Check Total:	300.00			
Vendor: 2233	Standard Insurance Company			Check Sequence: 58	ACH Enabled: False
FOR MAR 2025	VISION FOR MAR 2025	178.00	03/06/2025	101-00000-21706	
	Check Total:	178.00			
Vendor: 2237	Standard Insurance Company - RC			Check Sequence: 59	ACH Enabled: False
FOR MAR 2025	VOLUNTARY LTD FOR MAR 2025	1,056.76	03/06/2025	101-00000-21715	
FOR MAR 2025	VOLUNTARY LIFE FOR MAR 2025	493.74	03/06/2025	101-00000-21714	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
FOR MAR 2025	EMPLOYER PD LIFE FOR MAR 2025	118.08	03/06/2025	101-00000-21714	
FOR MAR 2025	EMPLOYER PD STD FOR MAR 2025	757.60	03/06/2025	101-00000-21715	
	Check Total:	2,426.18			
Vendor: 1542	Staples			Check Sequence: 60	ACH Enabled: False
6024923521	5 CASES PAPER - ADDING MACHINE - TISS	294.53	03/06/2025	101-41940-50210	
	Check Total:	294.53			
Vendor: 1682	Storm Combatives Training and Consult			Check Sequence: 61	ACH Enabled: False
78643974-0004	Foundation Instructor Trainer	1,099.00	03/06/2025	101-42110-50332	
	Check Total:	1,099.00			
Vendor: 1550	Streichers			Check Sequence: 62	ACH Enabled: False
1747697	NEW HIRE UNIFORM	2,336.66	03/06/2025	101-42110-50237	
1748098	NEW HIRE UNIFORM	206.95	03/06/2025	101-42110-50237	
1748230	NEW HIRE UNIFORM	58.99	03/06/2025	101-42110-50237	
	Check Total:	2,602.60			
Vendor: 1569	The Wine Company			Check Sequence: 63	ACH Enabled: False
293533	WINE	739.00	03/06/2025	609-48000-50253	
293534	WINE	648.00	03/06/2025	609-49750-50253	
	Check Total:	1,387.00			
Vendor: 2239	Thomas Scientific Holdings, LLC			Check Sequence: 64	ACH Enabled: False
178757	OPERATING SUPPLIES	504.58	03/06/2025	101-42110-50210	
	Check Total:	504.58			
Vendor: 1597	Vessco, Inc.			Check Sequence: 65	ACH Enabled: False
96791	PLANT 1 WATER SYSTEM	1,975.00	03/06/2025	615-49550-50404	
	Check Total:	1,975.00			
Vendor: 1598	Viking Coca-Cola Bottling Co.			Check Sequence: 66	ACH Enabled: False
3613168	N/A SALES	219.00	03/06/2025	609-48000-50250	
3613169	N/A SALES	199.45	03/06/2025	609-49750-50250	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
	Check Total:	418.45			
Vendor: 1611	Watson Company			Check Sequence: 67	ACH Enabled: False
148073	N/A SALES	939.78	03/06/2025	609-49750-50250	
	Check Total:	939.78			
Vendor: 1620	Wilson, Lynn			Check Sequence: 68	ACH Enabled: False
2025 Q1 PTOS	2025 Q1 PTOS COMMISSION	75.00	03/06/2025	101-41110-50331	
	Check Total:	75.00			
Vendor: 1621	Windstream			Check Sequence: 69	ACH Enabled: False
	MAR 2025 LAND LINES/FAXES 11734875	363.38	03/06/2025	101-41420-50321	
	Check Total:	363.38			
Vendor: 1622	Wine Merchants			Check Sequence: 70	ACH Enabled: False
7508889	WINE	465.10	03/06/2025	609-48000-50253	
7508890	WINE	225.64	03/06/2025	609-49750-50253	
7508891	WINE	320.19	03/06/2025	609-48000-50253	
	Check Total:	1,010.93			
Vendor: 1624	Winnick Supply, Inc.			Check Sequence: 71	ACH Enabled: False
64595	GEN 3 PARTS	116.17	03/06/2025	620-49600-50404	
64595	WASTEWATER REPAIR PARTS	159.64	03/06/2025	602-49450-50404	
64882	GEN 3 PARTS	99.50	03/06/2025	620-49600-50404	
	Check Total:	375.31			
Vendor: 1867	Workstrategies			Check Sequence: 72	ACH Enabled: False
848392448	NEW HIRE MEDICAL EXAM	185.00	03/06/2025	101-42110-50314	
	Check Total:	185.00			
Vendor: 1637	Ziegler Cat			Check Sequence: 73	ACH Enabled: False
1812225	SOFTWARE SUBSC - MECHANICS	1,000.00	03/06/2025	101-41420-50242	
1813954	LOADER & GRADER MAINTENANCE	784.36	03/06/2025	101-43000-50404	
1819058	GEN 3 MAINTENANCE	39.52	03/06/2025	620-49600-50404	

Invoice No	Description	Amount	Pmt Date	Acct Number	Reference
	Check Total:	1,823.88			
	Total for Check Run:	254,216.77			
	Total of Number of Checks:	73			

Accounts Payable

Checks by Date - Summary by Check Date

User: TiffaniFolstad
Printed: 3/7/2025 8:03 AM



Check No	Vendor No	Vendor Name	Check Date	Check Amount
5723	1365	Minnesota Energy Resources	02/14/2025	8,147.26
Total for 2/14/2025:				8,147.26
5724	1630	XCEL Energy	02/19/2025	3,150.70
Total for 2/19/2025:				3,150.70
5726	1372	Minnesota State Retirement	02/26/2025	2,534.93
Total for 2/26/2025:				2,534.93
5725	1118	Commissioner Of Revenue (W/H)	02/28/2025	8,534.66
5727	1431	Nationwide Retirement Solution	02/28/2025	5.00
5728	1468	PERA (Payroll W/H)	02/28/2025	33,667.18
5729	1585	United States Treasury	02/28/2025	36,836.41
5730	1372	Minnesota State Retirement	02/28/2025	2,426.01
Total for 2/28/2025:				81,469.26
Report Total (8 checks):				95,302.15

North Branch City Council Minutes

TUESDAY, FEBRUARY 25, 2025, 7:00 PM

City Hall, 6408 Elm St., North Branch, MN 55056

Members present:

Robert Canada, Jeff Goulet, Mayor Kevin Schieber, Travis Miles, Peter Schaps and various staff

1. CALL TO ORDER

- a. Mayor Schieber called the meeting to order at 7:00 pm and led the Pledge of Allegiance.

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL – All Council Members in attendance.

4. AGENDA APPROVAL

Mayor requests moving 7.c. from consent and move it to 9.c. Motion by Member Canada, seconded by Member Miles, All Aye, passed unanimously

5. PRESENTATION & PROCLAMATION

- a. None

6. PUBLIC COMMENT –

- a. Neal Causby – Fireworks complaint
- b. Mrs. Causby – Would like the council to consider moving the fireworks to a different part of town.
- c. Steve Cich – Supports the liquor store operations. Asked about single source garbage service. He likes the hauler he has.

7. CONSENT AGENDA – motion by Member Canada, second by Member Miles, All Aye, passed unanimously.

- a. Claims
- b. Approval of City Council Meeting Minutes of February 11, 2025
- c. Pulled and moved to 9.c.

- d. Approval of Planning commissioner Appointment – Nate Ehalt
- e. Approval of Resolution r-154-2025 Adopting the Chisago County 2024 All-Hazard Mitigation plan
- f. Approval of Transient Merchant License – Plant Place, Inc.
- g. Approval of Therapeutic Massage Business Licnese – New Comfort Massage
- h. Approval of Therapist Massage Licenses for Shauna Lopez and Lau Tsz Kwan
- i. Approval of Resolution R-153-2025 approving the preliminary plat for Sherwood Pines
- j. Approval of an Amendment to the Meadows North Townhomes 1st and 2nd Additional Planned Unit Development and Subdivision Agreement
- k. Approval of an amendment to the fox Run Master Plan Planned Unit Development and Subdivision Agreement
- l. Approval of Resolution R-155-2025 of Fox Run 2nd Addition Final Plat
- m. Approval of Resolution R-156-2025 approving labor agreement and certain appendices between city of North Branch and IUOE 49, 2025-2027
- n. Approval of Resolution R-157-2025 approving Memorandum of Agreement between the City of North Branch and IUOE 49, 2025-2027
- o. Approval of Resolution R-158-2025 approving memorandum of agreement between City of North Branch and IUOE 49, 2025-2027

8. PUBLIC HEARINGS

- a. None

9. STAFF REPORTS

- a. Establishment of an Unmanned Arial Vehicle (Drone) program – Chief Dan Meyer went thru the Rules and Regulations on setting up a program for the City of North Branch and fielded questions by Council members. Looking for support from the Council to move forward with the posting process and setting up public comment process. Cananda – who will lead? Chief – Officer Southworth, he is trained and licensed. Canada – Life cycle of drone? Chief –

Not sure, but County has them in practice. Canada – Legal support? Chief – depends on situation. Criminal goes to County Attorney, if other it would need to go to the City Attorney. Mayor – timing, and how do you intend on getting public feedback. Chief – comments to me, email & telephone, public hearing. Worked well with body cam. Required to have public hearings. If council decides to move forward, we will get the meeting posted. Miles – how big of an impact was the use of the County drone program. Chief – missing children, alzheimer's patients, armed and fleeing suspects. Can cover a lot of area, safer for officers. Footage is recorded for evidence. Can also be used in other department, FD, planning etc. Miles – deployment time? Sheriff's office can get here in reasonable amount of time, but it would be quicker if we had them in vehicles. Goulet – policy when they can and cannot fly? Chief – addressed in draft policy. State Statute requirement are within the policy. Goulet – does it give guidance to officers? Chief – not specifically. Motion by Mayor Schieber, seconded by Member Miles, all aye, passes unanimously.

- b. The Council received the December 2024 unaudited financial update – Finance Director went through the end of year finances for the City Council. Liquor store progression was discussed.
- c. The Council received the minutes from the Finance, Public Safety, Public Works, Liquor and Personnel Advisory Committees. Mayor asked if members had anything they wanted to share. Goulet said it was nice to get the details on Finance. Get some tours from Public Works. Mostly strategy. Mile – great dialog. Mayor – hour with Personnel, strategy, how things are going to develop. Helpful to understand what our process are, and able to ask questions. Confidence in process going forward.

10. MAYOR/CITY COUNCIL

- a. Motion to go into closed session by Member Canada, seconded by Mayor Schieber, all aye, motion passed unanimously.

10:10pm out of closed session. Results from the closed session will be included in the next Council meeting per state statute.

11. ADJOURNMENT

- a. Motion by Mayor Schieber to adjourn the meeting, seconded by Member Miles, all aye.

Kevin Schieber, Mayor

ATTEST:

Mathew Hill, City Administrator



Prepared By:

Presenter:

Date: 02/25/2025

Board & Commission: City Council

Subject: Approve Northwood Park Pickleball Court & Site Improvement - Winberg Final Pay Request Amendment

Background

The City of North Branch received a \$140,000 MnDNR Outdoor Recreation Grant for the construction of four (4) pickleball courts, accessible paths, site amenities and associated landscaping in Northwood Park in March 2023 with the understanding that the city would provide a 50% cash match (\$140,000) for the project. The City Council approved the plans and specs for the project and authorized city staff to proceed to obtain bids at the January 23, 2024, meeting and awarded the low bid of \$149,453.00 plus alternate #1 \$18,040.05 and a 10% contingency \$167,493.05 to Winberg Companies, LLC for a total approved bid cost of \$184,242.34 for the pickleball courts and site improvements. The City Council approved Resolutoin R-103-2024 for accept the improvements and the final pay request for the project on October 22, 2024.

Winberg Companies contacted city staff noting a clerical error on there pay request submitted had an outstanding dollar amount of \$4,626.37. City staff reviewed the quantities and pay requests and has confirmed that the work had been completed and that the clerical is valid and are recommending approval of the outstanding \$4,626.37 to Winberg Companies, LLC

Requested Action:

To approve the payment of the outstanding \$4,626.37 for the Northwood Park Pickleball Court Project to Winberg Companies, LLC.

Voting Requirements:

Voting Options Simple Majority



Nathan Sondrol <nathans@ci.north-branch.mn.us>

24004- Northwood Park Pickleball & Site Improvements- PayApp4 (FINAL)

Tyler Bethke <tyler@wci2020.com>

Mon, Feb 24, 2025 at 1:36 PM

To: Nathan Sondrol <nathans@ci.north-branch.mn.us>

Cc: Jodi Needham <jodi@jsnvirtualaccounting.com>

Hi Nathan,

I hope you are enjoying your winter season. During a compilation of our companies' finances, we found a clerical error in one of our invoices to you. Please see the attached edited pay application. Please let me know what our options are for recovering this additional cost. The total amount outstanding due to this error would be \$4626.37.

[Quoted text hidden]

**PayApp003Northwood Park.pdf**

29K

87,901.02 P1
48,358.67 P2
31,788.89 P3
9,088.15 P4
177,136.73 181763.1
177,136.73
4,626.37 ←

10/22
AU

Northwood Park Pickleball & Site Improvements
Pay App 003 (08/22/2024)

Section Title	Line Item	Item Code	Item Description	UoM	Quantity	Unit Price	Extension	Build Quantity to Date	Extension
BASE BID	1	2021.501	MOBILIZATION (5% MAX)	LS	1	2,200.00	\$ 2,200.00	1	\$ 2,200.00
	2	2106.501	EXCAVATION - COMMON	LS	1	34,000.00	\$ 34,000.00	1	\$ 34,000.00
	3	2360.504	4 INCH THICK BITUMINOUS COURT	SY	960	34.95	\$ 33,552.00	960	\$ 33,552.00
	4	2531.503	24" CONCRETE MAINTENANCE CURB	LF	412	30.5	\$ 12,566.00	412	\$ 12,566.00
	5	2540.602	PICKLEBALL NET SYSTEM	EACH	4	1,723.80	\$ 6,895.20	4	\$ 6,895.20
	6	2557.502	8' CHAIN LINK MAN GATE	EA	1	1,346.40	\$ 1,346.40	1	\$ 1,346.40
	7	2557.502	8x10 CHAIN LINK MAINTENANCE GATE	EACH	1	2,244.00	\$ 2,244.00	1	\$ 2,244.00
	8	2557.503	4' HIGH 2-RAIL CHAIN LINK FENCE	LF	96	72.22	\$ 6,933.12	96	\$ 6,933.12
	9	2577.503	8' HIGH, 2-RAIL CHAIN LINK FENCE	LF	400	70.38	\$ 28,152.00	400	\$ 28,152.00
	10	2557.503	FENCE PROTECTOR	LF	96	13.87	\$ 1,331.52	96	\$ 1,331.52
	11	2573.501	CONSTRUCTION EXIT/MAT	LS	1	750	\$ 750.00	1	\$ 750.00
	12	2573.503	SILT FENCE, TYPE MS OR BIOROLL	LF	300	3	\$ 900.00	300	\$ 900.00
	13	2575.505	SEED W/ BLANKET	ACRE	0.3	7,000.00	\$ 2,100.00	0.3	\$ 2,100.00
	14	2582.504	ACRYLIC COLOR COAT & STRIPING	SY	960	17.47	\$ 16,483.20	960	\$ 16,483.20
	15		CHANGE ORDER 001 (Grade for Trails)	SF	15740	1.74	\$ 27,387.60	15740	\$ 27,387.60
	16		CHANGE ORDER 002 (4ft Man Gate)	LS	1	4,922.06	\$ 4,922.06	1	\$ 4,922.06

Total	\$ 181,763.10	Total to Date	\$ 181,763.10
		Retainage	5%
		Total Retainage	\$ 9,088.16
		Less Previous Applications	\$ 140,888.66
		Total Due Less Retainage	\$ 31,786.00
		Project Completion %	100%

\$136,259.1
\$36,415.1

Northwood Park Pickleball & Site Improvements									
Pay App 001 (05/14/2024)									
Section Title	Line Item	Item Code	Item Description	UoM	Quantity	Unit Price	Extension	Build Quantity to Date	Extension
BASE BID	Required	Base Bid Section							
	1	2021.501	MOBILIZATION (5% MAX)	LS	1	2,200.00	\$ 2,200.00	0.5	\$ 1,100.00
	2	2106.501	EXCAVATION - COMMON	LS	1	34,000.00	\$ 34,000.00	1	\$ 34,000.00
	3	2360.504	4 INCH THICK BITUMINOUS COURT	SY	960	34.95	\$ 33,552.00	580	\$ 20,271.00
	4	2531.503	24" CONCRETE MAINTENANCE CURB	LF	412	30.5	\$ 12,566.00	392	\$ 11,956.00
	5	2540.602	PICKLEBALL NET SYSTEM	EACH	4	1,723.80	\$ 6,895.20		\$ -
	6	2557.502	8' CHAIN LINK MAN GATE	EA	1	1,346.40	\$ 1,346.40	0.5	\$ 673.20
	7	2557.502	8x10 CHAIN LINK MAINTENANCE GATE	EACH	1	2,244.00	\$ 2,244.00	0.5	\$ 1,122.00
	8	2557.503	4' HIGH 2-RAIL CHAIN LINK FENCE	LF	96	72.22	\$ 6,933.12		\$ -
	9	2577.503	8' HIGH, 2-RAIL CHAIN LINK FENCE	LF	400	70.38	\$ 28,152.00	0.5	\$ 35.19
	10	2557.503	FENCE PROTECTOR	LF	96	13.87	\$ 1,331.52		\$ -
	11	2573.501	CONSTRUCTION EXIT/MAT	LS	1	750	\$ 750.00	1	\$ 750.00
	12	2573.503	SILT FENCE, TYPE MS OR BIOROLL	LF	300	3	\$ 900.00		\$ -
	13	2575.505	SEED W/ BLANKET	ACRE	0.3	7,000.00	\$ 2,100.00		\$ -
	14	2582.504	ACRYLIC COLOR COAT & STRIPING	SY	960	17.17	\$ 16,483.20		\$ -
	15		CHANGE ORDER 001 (Grade for Trails)	SF	15740	1.74	\$ 27,387.60	13000	\$ 22,620.00
Total						\$ 176,841.04	Total to Date	\$ 92,527.39	
							Retainage	5%	
							Total Retainage	\$ 4,626.37	
							Total Due Less Retainage	\$ 87,901.02	
							Project Completion %	52%	

Northwood Park DNR
Grant OR 24-008
486-46500-50506
\$87,901.02

Nate Sondrol

5/20/24

Northwood Park Pickleball & Site Improvements
Pay App 002 (06/18/2024)

Section Title	Line Item	Item Code	Item Description	UoM	Quantity	Unit Price	Extension	Build Quantity to Date	Extension
BASE BID	Required	Base Bid Section							
	1	2021.501	MOBILIZATION (5% MAX)	LS	1	2,200.00	\$ 2,200.00	0.9	\$ 1,980.00
	2	2106.501	EXCAVATION - COMMON	LS	1	34,000.00	\$ 34,000.00	1	\$ 34,000.00
	3	2360.504	4 INCH THICK BITUMINOUS COURT	SY	960	34.95	\$ 33,552.00	960	\$ 33,552.00
	4	2531.503	24" CONCRETE MAINTENANCE CURB	LF	412	30.5	\$ 12,566.00	392	\$ 11,956.00
	5	2540.602	PICKLEBALL NET SYSTEM	EACH	4	1,723.80	\$ 6,895.20		\$ -
	6	2557.502	8' CHAIN LINK MAN GATE	EA	1	1,346.40	\$ 1,346.40	1	\$ 1,346.40
	7	2557.502	8x10 CHAIN LINK MAINTENANCE GATE	EACH	1	2,244.00	\$ 2,244.00	1	\$ 2,244.00
	8	2557.503	4' HIGH 2-RAIL CHAIN LINK FENCE	LF	96	72.22	\$ 6,933.12	96	\$ 6,933.12
	9	2577.503	8' HIGH, 2-RAIL CHAIN LINK FENCE	LF	400	70.38	\$ 28,152.00	400	\$ 28,152.00
	10	2557.503	FENCE PROTECTOR	LF	96	13.87	\$ 1,331.52		\$ -
	11	2573.501	CONSTRUCTION EXIT/MAT	LS	1	750	\$ 750.00	1	\$ 750.00
	12	2573.503	SILT FENCE, TYPE MS OR BIOROLL	LF	300	3	\$ 900.00		\$ -
	13	2575.505	SEED W/ BLANKET	ACRE	0.3	7,000.00	\$ 2,100.00		\$ -
	14	2582.504	ACRYLIC COLOR COAT & STRIPING	SY	960	17.17	\$ 16,483.20		\$ -
	15		CHANGE ORDER 001 (Grade for Trails)	SF	15740	1.74	\$ 27,387.60	15740	\$ 27,387.60
	16		CANGE ORDER 002 (4ft Man Gate)	LS	1	4,922.06	\$ 4,922.06		\$ -

Total	\$ 181,763.10	Total to Date	\$ 148,301.12
		Retainage	5%
		Total Retainage	\$ 7,415.06
		Less Previous Applications	\$ 92,527.39
		Total Due Less Retainage	\$ 48,358.67
		Project Completion %	82%

Northwood Park
DNR Grant -
OR24-008
\$48,358.67

Nate Sondrol

6/27/24 - ok

Northwood Park Pickleball & Site Improvements
Pay App 003 (08/22/2024)

Section Title	Line Item	Item Code	Item Description	UoM	Quantity	Unit Price	Extension	Build Quantity to Date	Extension
BASE BID	Required	Base Bid Section							
	1	2021.501	MOBILIZATION (5% MAX)	LS	1	2,200.00	\$ 2,200.00	1	\$ 2,200.00
	2	2106.501	EXCAVATION - COMMON	LS	1	34,000.00	\$ 34,000.00	1	\$ 34,000.00
	3	2380.504	4 INCH THICK BITUMINOUS COURT	SY	960	34.95	\$ 33,552.00	960	\$ 33,552.00
	4	2531.503	24" CONCRETE MAINTENANCE CURB	LF	412	30.5	\$ 12,566.00	412	\$ 12,566.00
	5	2540.602	PICKLEBALL NET SYSTEM	EACH	4	1,723.80	\$ 6,895.20	4	\$ 6,895.20
	6	2557.502	8' CHAIN LINK MAN GATE	EA	1	1,346.40	\$ 1,346.40	1	\$ 1,346.40
	7	2557.502	8x10 CHAIN LINK MAINTENANCE GATE	EACH	1	2,244.00	\$ 2,244.00	1	\$ 2,244.00
	8	2557.503	4' HIGH 2-RAIL CHAIN LINK FENCE	LF	96	72.22	\$ 6,933.12	96	\$ 6,933.12
	9	2577.503	8' HIGH, 2-RAIL CHAIN LINK FENCE	LF	400	70.38	\$ 28,152.00	400	\$ 28,152.00
	10	2557.503	FENCE PROTECTOR	LF	96	13.87	\$ 1,331.52	96	\$ 1,331.52
	11	2573.501	CONSTRUCTION EXIT/MAT	LS	1	750.00	\$ 750.00	1	\$ 750.00
	12	2573.503	SILT FENCE, TYPE MS OR BIOROLL	LF	300	3	\$ 900.00	300	\$ 900.00
	13	2575.505	SEED W/ BLANKET	ACRE	0.3	7,000.00	\$ 2,100.00	0.3	\$ 2,100.00
	14	2582.504	ACRYLIC COLOR COAT & STRIPING	SY	960	17.17	\$ 16,483.20	960	\$ 16,483.20
	15		CHANGE ORDER 001 (Grade for Trails)	SF	15740	1.74	\$ 27,387.60	15740	\$ 27,387.60
	16		CHANGE ORDER 002 (4ft Man Gate)	LS	1	4,922.06	\$ 4,922.06	1	\$ 4,922.06

Total	\$ 181,763.10	Total to Date	\$ 181,763.10
		Retainage	
		Total Retainage	\$ 9,088.16
		Less Previous Applications	\$ 140,886.06
		Total Due Less Retainage	\$ 31,788.89
		Project Completion %	100%

Northwood Park
DNR Grant - OR24-008
\$31,788.89 - ok 9/6/24

Nate Sondrol



Prepared By: Matthew Hill, City Administrator

Presenter: Matthew Hill, City Administrator

Date: 03/05/2025

Board & Commission: City Council

Subject: Recieve Summary of Conclusions of Closed meeting on February 25, 2025

Background:

The City Council held a closed session on February 25th, 2025, to conduct an initial 3-month evaluation and goal-setting of Matthew Hill, City Administrator, an individual subject to the City's authority. Under Minnesota Statutes, section 13D.05, subdivision 3 (a), the City is required to summarize the conclusions, if any, regarding the evaluation at the next open meeting. The summary of conclusions is as follows:

1. The City Council is pleased with the performance to date.
2. Administrator is to develop a workplace culture plan to achieve a mutually respectful workplace.
3. Leverage one-on-ones with Council Members to strengthen professional relationships and communication.
4. Develop a Human Resources plan for 2025 that includes performance evaluations of direct reports.

Voting Requirements:

Voting Options Simple Majority



Prepared By: Matthew Hill, City Administrator

Presenter: Matthew Hill, City Administrator

Date: 03/05/2025

Board & Commission: City Council

Subject: Approve the hiring of Public Works Maintenance 1 workers Ken Friedland and Blake Glem for the Public Works Department.

Background:

The City of North Branch recently completed the hiring process for two new hires for the Public Works Department that was approved by City Council. The process included position posting, application scoring, and an interview process.

The City received 47 applications for the two positions. The interview panel included the City Administrator, Public Works Director, Public Works Foreman, and Public Works Administrative Specialist. Applications were scored placing a value on the most important items needed to perform the position. The top ten applicants were offered an interview for the positions.

Staff Recommendation:

City Administrator Matthew Hill, in full agreement with the interview panel, recommend hiring Ken Friedland and Blake Glem. Both hires scored well on their applications, provided experience with a variety of equipment, and interviewed well.

Council requested Action:

Motion and second to approve the hiring of Ken Friedland and Blake Glem as Public Works Maintenance 1 workers in the Public Works Department

Voting Requirements:

Voting Options Simple Majority



Prepared By: Matthew Hill, City Administrator

Presenter: Matthew Hill, City Administrator

Date: 03/05/2025

Board & Commission: City Council

Subject: Recieve the resignation of Lane Hischer from the Public Works Maintenance I position, and approve the hire of Brad Fesler to fill the position.

Background:

While completing the hiring process for the two open positions within the Public Works Department, PW Director Shawn Williams received a resignation from Lane Hischer, a Maintenance I worker in the Public Works Department.

Administrator Hill confirmed with the City Attorney and the Business Agent for the 49ers that the City has the ability to pull from the existing applicant pool to fill the position vacated by Mr. Hischer.

Bradley Fesler was interviewed with the PW hiring committee of Matthew Hill, Shawn Williams, Brady Sterbentz, and Angela Tveit.

Matthew Hill and Shawn Williams agreed that Bradley Fesler met all the licensing criteria, provided a strong work history, and has used a variety of equipment.

Staff Recommendation:

Matthew Hill, with support from Shawn Williams, recommend hiring Bradley Fesler to the Maintenance I position in the Public Works Department.

Council requested Action:

Motion and second to receive the resignation of Lane Hischer, and approve the hire of Bradley Fesler as a new Maintenance 1 worker in the Public Works Department.

Voting Requirements:

Voting Options Simple Majority



Prepared By: Matthew Hill, City Administrator

Presenter: Matthew Hill, City Administrator

Date: 03/05/2025

Board & Commission: City Council

Subject: Approve application for Transient Merchant License Food Truck to Medina's Tacos

The City has received a completed application for a food truck transient merchant application for Medina's Tacos to be placed, with permission from property owner Gina Wholecheese, in the parking lot of 'the Barn Door is Open'. The application is paid in full and has met all the requirements.

Recommended action: Approve the application for the Transient License for Medina's Tacos.

Voting Requirements:

Voting Options Simple Majority



Prepared By: Dan Meyer, Police Chief

Presenter: Dan Meyer, Police Chief

Date: 03/06/2025

Board & Commission: City Council

Subject: Approve the Hire of Kendra Rock as Police Officer

Overview / Background

The City of North Branch commenced the hiring of a Police Officer, following the resignation of Officer Christian Lausen in January. The job posting closed on February 14, 2025; twelve applications were received and interviews were extended to the top seven applicants. The first round of interviews were conducted on March 4th and the top two applicants were invited to a second interview on March 6th. Upon satisfactory completion of her background investigation, City staff recommends the hiring of Ms. Kendra Rock to fill the vacant police officer position. Ms. Rock resides in the area and is currently employed as a state trooper for the MN State Patrol.

Staff Recommendation

City staff recommends the hiring of Kendra Rock.

Recommended City Council Action

Motion to approve the hiring of Kendra Rock as Police Officer.

Kevin Schieber, Mayor
ATTEST:

Matthew Hill, City Administrator

Voting Requirements:

Voting Options Simple Majority



Prepared By: Shawn Williams, Public Works Director

Presenter: Shawn Williams, Public Works Director

Date: 03/06/2025

Board & Commission: City Council

Subject: Resolution R-160-2025 approving pay request number 3 for the 2024 overlay project

The City's 2024 overlay has now been completed, except for very minor punchlist items to complete and Knife River Corporation has submitted pay request #3 for the amount of \$104,122.51. The quantities completed have been reviewed and agreed upon by the contractor and WSB, the City's engineer, as accurate, and recommend that the City of North Branch approve construction pay voucher #3 for Knife River Corporation.

For reference, I have included the project background information below.

The City's 2024 street overlay project was advertised and four bids were opened August 15th, 2024. WSB checked the bids for mathematical accuracy and the low bid was from Knife River Corporation-North Central for the amount of \$1,394,908.50. Funding for the project will come from the City's state aid account for the state aid roads and the local streets will come from pavement improvement fund which includes tax levy dollars and franchise fees. I am asking council to consider approving this project as planned.

Contractor	Grand Total Bid
Knife River Corporation-North Central	\$1,394,908.50
Asphalt Surface Technologies Corporation	\$1,519,759.80
North Valley Inc.	\$1,572,808.11
Bituminous Road Ways Inc.	\$1,878,361.50
<i>Engineers Estimate</i>	<i>\$1,757,620.00</i>

Below is a project recap.

Each year, the city's goal is to perform road maintenance to the city's collective 110 miles of streets to preserve and enhance this asset. As the council is aware, our streets, water, sanitary and storm sewers are the most valuable and costly infrastructure that the city has to maintain. Doing routine maintenance at the right time preserves and protects this

investment. Our street system collectively consists of 30 miles of gravel surface and the remaining 80 miles are asphalt.

The initial pavement life cycle when newly constructed is based on a 20 year span, providing the key maintenance is done at the right times during this life cycle. This key maintenance consists of crack sealing every three to five years and overlaying the street at 20 years. North Branch is doing all of this. However, our street improvement budget is short on funding to maintain annually what is needed based on this 20 cycle. With that said, we have made huge strides and are moving forward since funding was attained in 2017, by means of Franchise fees and levy funds that council has added to our street improvement fund each year thereafter. Our levy funding goal for our local street improvement fund needs to be at \$1M/year, currently it is at \$400K.

The 2024 Street Overlay project is made up of local and state aid streets that are identified in our street overlay plan in need of surface pavement replacement.

The first step for this project is to authorize preparation of plans and specifications and approve a contract with WSB for design and construction services.

It is understood that the existing roadway widths will be maintained and minimal impact will be made outside the curb or edge of bituminous, with the exception of as-needed curb replacement or shoulder work. This project will consist of a 2 inch asphalt overlay on the local and state aid streets. On the state aid portion of this project it also includes the addition of adding turn lanes on Flink Ave. at 392 St. for north and south-bound traffic. Turn lanes for this intersection have been planned since 2016. However, there have been some challenges along the way hindering their installation. The turn lanes are needed as 392nd St. is a through street to Hwy. 95 and with developments, the turn movements have significantly increased supporting this need. Parks Director Sondrol is also seeking grant funding when available to finish the walking trail on the west side of Flink from 392 St. to the southern connection point on Flink, so by completing this turn lane now the trail work will not be hindered. The proposed roads are listed below:

Flink Ave from Hwy. 95 to 412th St.	370th St-(Kates Estates)
Old Main St. from Oakview Ave to 14th Ave	371 St.-(Kates Estate)
Elm St. from 14th Ave to 100 west of 12th Ave	372 St.-(Kates Estates)
Oakview Ave from Hwy. 95 to Elm St	373 St. -(Kates Estates)
14th Ave from Old Main to Elm	374 St. -(Kates Estates)
Fenway Ave-(Kates Estates)	375th St.-(Kates Estates)
Fill Ave (Kates Estates)	**if bids come in under budget and or funding remains it will be used to overlay
Flink Turn Lanes-north and south bound at 392 St	**additional streets in our overlay plan as we did last year to maximize the funding.

The total project budget is \$1,869,618.30. The state aid project portion is \$1,210,671.40, and the local project portion is \$658,946.93. As a reminder State Aid Funding comes from the state, and is not city tax dollars and can only be used to fund state aid road construction projects. Cities that are over 5K in population are eligible to designate 20% of their roads as state aid to receive funding for them, and we have done that. The fee for WSB to design the local and state aid plans, includes all proposed overlay costs as well as all engineering,

administrative, inspection, materials testing and contingency costs is \$134,580.00 The project will be funded from the street improvement fund.

The roadways identified on the map in red and blue are designated for the overlay. Project completion is estimated to be late summer of 2024.

Voting Requirements:

Voting Options Simple Majority

STATE OF MINNESOTA

COUNTY OF CHISAGO

CITY OF NORTH BRANCH

CITY COUNCIL RESOLUTION NO. R-160-2025

Resolution R-160-2025 approving pay request number 3 for the 2024 overlay project

WHEREAS, pursuant to City Council Authorization on April 23, 2024 the plans and specifications for the 2024 overlay project were approved, and the City's 2024 street overlay project was advertised and four bids were opened August 15th, 2024. WSB checked the bids for mathematical accuracy and the low bid was from Knife River Corporation-North Central for the amount of \$1,394,908.50, and

WHEREAS, Knife River Inc. has submitted pay number 3 in the amount of \$104,122.51, and the quantities have been reviewed and approved by both the contractor and the City's Engineer WSB and Associates as accurate,

Now, Therefore, Be It Resolved That: The City of North Branch Council approve the 2024 Overlay Knife River Inc. Pay Request number 3 in the amount of \$104,122.51 as outlined in the said report for the local and state aid streets as presented.



March 5, 2025

Mr. Shawn Williams
City of North Branch
PO Box 910
North Branch, MN 55056

Re: 2024 Street Overlay Project
City of North Branch, MN
WSB Project No. 025057-000

Dear Mr. Williams:

Please find enclosed Construction Pay Voucher No. 3 for the above referenced project in the amount of \$104,122.51. The quantities completed to date have been reviewed and agreed upon by the contractor, and we hereby recommend that the City of North Branch approve Construction Pay Voucher No. 3 for Knife River Corporation.

The amount indicated above reflects work certified through March 4, 2025, with a 5% retainage applied. Please include one executed copy with the payment to Knife River Corporation and return one executed copy to our office for our file. If you have any questions or comments regarding this voucher, please contact me at 612.388.9652.

Sincerely,

WSB

Justin Messner PE
Director, Municipal Services

Attachments

Client: City of North Branch 6408 Elm Street North Branch, MN 55056-0910	Contractor: Knife River Corporation - North Central 4787 Shadow Wood Drive NE Sauk Rapids, MN 56379
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WSB Project No.: 025057-000
Client Project No.:
State Project No.: SAP 225-118-003 SAP 225-120-004, SAP 225-106-004
Federal Project No.:

Contract Amount		Funds Encumbered	
Original Contract	\$1,394,908.50	Original	\$1,394,908.50
Contract Changes	\$27,825.00	Additional	N/A
Revised Contract	\$1,422,733.50	Total	\$1,394,908.50

Work Certified To Date	
Base Bid Items	\$1,263,884.68
Contract Changes	\$97,961.85
Material On Hand	\$0.00
Total	\$1,361,846.53

Work Certified This Voucher	Work Certified To Date	Less Amount Retained	Less Previous Payments	Amount Paid This Voucher	Total Amount Paid To Date
\$109,602.65	\$1,361,846.53	\$68,092.33	\$1,189,631.69	\$104,122.51	\$1,293,754.20
Percent Retained: 5%			Percent Complete: 95.72%		

This is to certify that the items of work shown in this Pay Voucher have been actually furnished for the work comprising the above-mentioned project in accordance with the plans and specifications heretofore approved.

Approved By Knife River Corporation - North Central


Signature

3/6/25
Date

Approved By WSB


Signature

March 4, 2025

Date

Approved By City of North Branch

Signature

Date

Payment Summary				
No.	Up Through Date	Work Certified Per Voucher	Amount Retained Per Voucher	Amount Paid Per Voucher
1	10/02/24	\$181,513.47	\$9,075.67	\$172,437.80
2	11/06/24	\$1,070,730.41	\$53,536.52	\$1,017,193.89
3	03/04/25	\$109,602.65	\$5,480.14	\$104,122.51

Funding Category Name	Work Certified To Date	Less Amount Retained	Less Previous Payments	Amount Paid This Voucher	Total Amount Paid To Date
A - SAP 225-118-003 - FLINK AVE	\$800,364.77	\$40,018.24	\$673,935.69	\$86,410.84	\$760,346.53
B - SAP 225-120-004 - ELM STREET	\$20,672.98	\$1,033.65	\$19,344.45	\$294.88	\$19,639.33
C - SAP 225-106-004 - OAKVIEW AVE	\$47,950.51	\$2,397.53	\$45,442.79	\$110.19	\$45,552.98
D - Local	\$492,858.27	\$24,642.91	\$450,908.76	\$17,306.60	\$468,215.36

Accounting Number	Funding Source	Amount Paid This Voucher	Revised Contract Amount	Funds Encumbered To Date	Paid Contractor To Date
1	State Aid	\$86,410.84	\$804,523.00	\$777,668.00	\$760,346.53
2	State Aid	\$294.88	\$51,757.50	\$51,232.50	\$19,639.33
3	State Aid	\$110.19	\$58,610.50	\$58,085.50	\$45,552.98
4	Local	\$17,306.60	\$507,842.50	\$507,922.50	\$468,215.36

Contract Item Status									
Line No.	Item	Description	Unit	Unit Price	Contract Quantity	Quantity This Voucher	Amount This Voucher	Quantity To Date	Amount To Date
1	2021.501	MOBILIZATION	LS	\$53,000.00	1	0	\$0.00	0.75	\$39,750.00
2	2104.502	REMOVE MANHOLE	EACH	\$750.00	1	0	\$0.00	0	\$0.00
3	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	L F	\$5.25	60	0	\$0.00	0	\$0.00
4	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	L F	\$1.85	200	0	\$0.00	0	\$0.00
5	2104.503	REMOVE SEWER PIPE (STORM)	L F	\$18.00	60	0	\$0.00	84	\$1,512.00
6	2104.503	REMOVE CURB & GUTTER	L F	\$6.37	2900	0	\$0.00	3316	\$21,122.92
7	2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT	S Y	\$3.00	50	0	\$0.00	66.5	\$199.50
8	2104.504	REMOVE BITUMINOUS PAVEMENT	S Y	\$3.00	1000	0	\$0.00	244.5	\$733.50
9	2104.518	REMOVE BITUMINOUS WALK	S F	\$2.00	1100	0	\$0.00	1900	\$3,800.00
10	2104.518	REMOVE CONCRETE WALK	S F	\$2.00	1100	0	\$0.00	1243	\$2,486.00
11	2106.507	EXCAVATION - COMMON	C Y	\$15.00	500	0	\$0.00	500	\$7,500.00
12	2112.519	SUBGRADE PREPARATION	RDST	\$200.00	12	0	\$0.00	12	\$2,400.00
13	2118.507	AGGREGATE SURFACING (CV) CLASS SPECIAL	C Y	\$35.00	300	0	\$0.00	0	\$0.00

Contract Item Status									
Line No.	Item	Description	Unit	Unit Price	Contract Quantity	Quantity This Voucher	Amount This Voucher	Quantity To Date	Amount To Date
14	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$190.00	35	0	\$0.00	35	\$6,650.00
15	2123.610	1.5 CU YD BACKHOE	HOUR	\$220.00	20	0	\$0.00	0	\$0.00
16	2575.523	WATER	MGAL	\$21.50	50	0	\$0.00	0	\$0.00
17	2211.509	AGGREGATE BASE CLASS 5	TON	\$30.70	100	0	\$0.00	932.53	\$28,628.67
18	2221.509	SHOULDER BASE AGGREGATE CLASS 1	TON	\$27.00	4000	2678.64	\$72,323.28	3630.35	\$98,019.45
19	2231.509	BITUMINOUS PATCHING MIXTURE	TON	\$110.00	20	0	\$0.00	59	\$6,490.00
20	2232.504	MILL BITUMINOUS SURFACE (1.75")	S Y	\$2.50	12600	0	\$0.00	12738	\$31,845.00
21	2232.604	MILL BITUMINOUS SURFACE (SPECIAL)	SY	\$1.90	15880	0	\$0.00	9307	\$17,683.30
22	2331.603	JOINT ADHESIVE	L F	\$0.65	9100	0	\$0.00	0	\$0.00
23	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	\$2.50	4700	0	\$0.00	5100	\$12,750.00
24	2360.509	TYPE SP 9.5 WEARING COURSE MIX (2,B)	TON	\$76.00	10700	225.23	\$17,117.48	10697	\$812,972.00
25	2360.509	TYPE SP 12.5 WEARING COURSE MIX (2,B)	TON	\$95.00	200	0	\$0.00	346	\$32,870.00
26	2501.502	18" RC PIPE APRON	EACH	\$1,800.00	1	0	\$0.00	0	\$0.00
27	2503.503	15" RC PIPE SEWER DES 3006 CL V	L F	\$50.50	10	0	\$0.00	51	\$2,575.50
28	2503.503	18" RC PIPE SEWER DES 3006 CL V	L F	\$65.00	50	0	\$0.00	0	\$0.00
29	2504.602	ADJUST GATE VALVE & BOX	EACH	\$400.00	10	0	\$0.00	9	\$3,600.00
30	2506.502	CHIMNEY SEAL	EACH	\$380.00	13	0	\$0.00	12	\$4,560.00
31	2506.502	CONST DRAINAGE STRUCTURE DESIGN H	EACH	\$4,000.00	1	0	\$0.00	1	\$4,000.00
32	2506.502	CASTING ASSEMBLY	EACH	\$1,050.00	2	0	\$0.00	3	\$3,150.00
33	2506.502	ADJUST FRAME & RING CASTING	EACH	\$330.00	11	0	\$0.00	13	\$4,290.00
34	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	L F	\$600.00	11	0	\$0.00	13.4	\$8,040.00
35	2521.518	6" CONCRETE WALK	S F	\$12.00	2000	0	\$0.00	1000	\$12,000.00
36	2521.518	3" BITUMINOUS WALK	S F	\$3.80	1000	0	\$0.00	2080	\$7,904.00
37	2531.503	CONCRETE CURB & GUTTER DESIGN B618	L F	\$34.75	2800	0	\$0.00	1128	\$39,198.00

Contract Item Status									
Line No.	Item	Description	Unit	Unit Price	Contract Quantity	Quantity This Voucher	Amount This Voucher	Quantity To Date	Amount To Date
38	2531.504	8" CONCRETE DRIVEWAY PAVEMENT	S Y	\$85.50	50	0	\$0.00	66.5	\$5,685.75
39	2531.603	7" CONCRETE VALLEY GUTTER	L F	\$50.50	100	0	\$0.00	87	\$4,393.50
40	2531.618	TRUNCATED DOMES	S F	\$60.00	200	0	\$0.00	116.72	\$7,003.20
41	2563.601	TRAFFIC CONTROL	LS	\$12,000.00	1	0	\$0.00	0.75	\$9,000.00
42	2573.501	STABILIZED CONSTRUCTION EXIT	LS	\$2,500.00	1	0	\$0.00	0	\$0.00
43	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$150.00	40	0	\$0.00	44	\$6,600.00
44	2573.503	SEDIMENT CONTROL LOG TYPE STRAW	L F	\$2.25	4000	0	\$0.00	0	\$0.00
45	2574.507	COMMON TOPSOIL BORROW	C Y	\$25.00	500	0	\$0.00	0	\$0.00
46	2574.508	FERTILIZER TYPE 3	LB	\$1.25	230	0	\$0.00	75	\$93.75
47	2575.505	SEEDING	ACRE	\$850.00	1	0	\$0.00	0.25	\$212.50
48	2575.508	SEED MIXTURE 25-131	LB	\$5.55	160	0	\$0.00	75	\$416.25
49	2575.508	HYDRAULIC STABILIZED FIBER MATRIX	LB	\$2.00	1800	0	\$0.00	800	\$1,600.00
50	2575.523	RAPID STABILIZATION METHOD 3	MGAL	\$350.00	20	0	\$0.00	0	\$0.00
51	2582.503	4" SOLID LINE PAINT	L F	\$0.16	28400	27974	\$4,475.84	27974	\$4,475.84
52	2582.503	24" SOLID LINE PAINT	L F	\$3.50	1260	607	\$2,124.50	607	\$2,124.50
53	2582.503	4" BROKEN LINE PAINT	L F	\$0.16	1000	390	\$62.40	390	\$62.40
54	2582.503	4" DBLE SOLID LINE PAINT	L F	\$0.32	12700	14475	\$4,632.00	14475	\$4,632.00
55	2582.518	PAVT MSSG PAINT	S F	\$3.00	280	280.55	\$841.65	280.55	\$841.65
56	2582.518	CROSSWALK MULTI COMP	S F	\$11.00	920	0	\$0.00	0	\$0.00
57	2582.503	4" DOTTED LINE PAINT	L F	\$0.50	50	27	\$13.50	27	\$13.50
Bid Totals:							\$101,590.65		\$1,263,884.68

Project Category Totals		
Category	Amount This Voucher	Amount To Date
2024 STREET IMPROVEMENTS PROJECT	\$101,590.65	\$1,263,884.68

Contract Change Item Status

CC	CC No.	Line No.	Item	Description	Units	Unit Price	Contract Quantity	Quantity This Voucher	Amount This Voucher	Quantity To Date	Amount To Date
CO	1	58	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	\$37.05	2600	0	\$0.00	2397	\$88,808.85
CO	1	59	2521.518	4" CONCRETE WALK	SF	\$7.00	500	80	\$560.00	243	\$1,701.00
CO	1	60	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	L F	(\$34.75)	1900	0	\$0.00	0	\$0.00
CO	2	61	2582.518	CROSSWALK MULTI COMPONENT	S F	(\$11.00)	920	0	\$0.00	0	\$0.00
CO	2	62	2582.518	CROSSWALK PAINT	S F	\$4.50	920	1656	\$7,452.00	1656	\$7,452.00
Contract Change Totals:									\$8,012.00		\$97,961.85

Contract Change Totals

No.	Contract Change	Description	Amount This Voucher	Amount To Date
1	CO	In accordance with the terms of this Contract, you are hereby authorized and instructed to perform the work as altered by the following provisions. The Engineer in concurrence with the City of North Branch and the Contractor, have agreed that B624 curb is required for replacement to match existing, as well as 4" concrete walk due to existing conditions and to meet ADA requirements. This work will be considered "Contract Revisions" as provided for by Specification 1402. Payment for this work will be at negotiated unit prices.	\$560.00	\$90,509.85
2	CO	In accordance with the terms of this Contract, you are hereby authorized and instructed to perform the work as altered by the following provisions. The Engineer in concurrence with the City of North Branch and the Contractor, have agreed that the crosswalk's shall be installed in paint in lieu of multi comp. This work will be considered "Contract Revisions" as provided for by Specification 1402. Payment for this work will be at negotiated unit prices.	\$7,452.00	\$7,452.00

Material On Hand Additions

Line No.	Item	Description	Date	Added	Comments

Material On Hand Balance

Line No.	Item	Description	Date	Added	Used	Remaining



Prepared By: Nathan Sondrol, Community Development Director

Presenter: Nathan Sondrol, Community Development Director

Date: 03/05/2025

Board & Commission: City Council

Subject: Consider Approval Fourth Amendment to Purchase Agreement with Sunrise River Commons, LLC.

Overview / Background

On July 25, 2023, the City Council approved Resolution No. 49-23-CC, authorizing the purchase from Chisago County two (2) tax forfeit parcels within the North Branch Development District. The two (2) lots are located on Highway 95, west of Interstate 35 (PINs: 11.00410.14 and 11.00410.28). Both properties have remained vacant since they were created by plat in 2008. Parcel 1 (11.00410.14) is located north of the Holiday gas station; Parcel 2 (11.00410.28) is located at northwest corner of Interstate-35 and Highway 95 (Subject Properties). The purchase price for the Subject Properties, as set by Chisago County, was \$206,731 (Parcel 1) and \$258,296 (Parcel 2). The purpose of acquiring the two (2) properties was identified as necessary to facilitate development opportunities in this area.

At that same meeting, the City Council authorized City staff to negotiate a purchase agreement with SMNPT 1, LLC, renamed to Sunrise River Commons, LLC (Developer). The City is required to sell both parcels for the same price as what the City paid for them. The Developer was responsible for developing the Chipotle and Starbucks development. The Purchase Agreement was finalized on November 27, 2023, and executed by both the City and Developer on February 15, 2024.

The Developer has since been working through its due diligence, notably identifying potential users, and has requested a fourth extension to the Closing Date and Contingency Period identified in the Purchase Agreement. The Council approved a first amendment on May 28, 2024, to extend the closing date to September 28, 2024 and approved a Second Amendment to extend the closing date to December 1, 2024 and a Third Amendment to extend to March 15, 2025. The developer is requesting to extend the agreement 45 day (April 29, 2025), to allow for the closing and would be required to deposit an additional \$25,000 earnest money.

The Developer is looking at two (2) retail buildings on the lot north of Holiday, and have been discussing conceptual layouts with city staff for the site. They have a letter of intent (LOI) that is scheduled to be approved by the real estate committee and is estimated to take 30 - 90 days with the holidays coming up. The extension to April 29, 2025, would allow for potential delays due to holidays or other unforeseen issues. They are continuing conversations with several others interested for the other site as well. Types of businesses include service and quick service retail/restaurants (QSRs).

Requested City Council Action

Motion to approve the Fourth Amendment to the Purchase Agreement with Sunrise River Commons, LLC related to two (2) City-owned properties adjacent to Highway 95 and Interstate 35.

Voting Requirements:

Voting Options Simple Majority



Subject Properties

FOURTH AMENDMENT TO REAL ESTATE PURCHASE AGREEMENT

This FOURTH AMENDMENT TO REAL ESTATE PURCHASE AGREEMENT (“**Amendment**”) dated as of March __, 2025, (the “**Effective Date**”), and entered into by and between the City of North Branch, a Minnesota municipal corporation (“**Seller**”), and SUNRISE RIVER COMMONS LLC, a Minnesota limited liability company (“**Buyer**”).

RECITALS

WHEREAS, Seller and Buyer have entered into that certain Real Estate Purchase Agreement dated the 27th day of November, 2023 and fully executed on the 16th day of February, 2024, and amended by the First Amendment to Real Estate Purchase Agreement dated May 14, 2024 and fully executed on the 11th day of June, 2024, and amended by that certain Second Amendment to Real Estate Purchase Agreement dated September 24, 2024, and further amended by that certain Third Amendment to Real Estate Purchase Agreement dated November 26, 2024, and fully executed on December 3, 2024 (collectively the “**Purchase Agreement**”).

WHEREAS, Seller and Buyer desire to extend the Closing Date and Contingency Period, as defined in the Purchase Agreement subject to the terms contained herein, as well as to clarify certain terms under the Purchase Agreement as set forth in this Amendment.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto, intending to be legally bound, hereby agree as follows:

1. **Extension of Closing Date Additional Earnest Money Deposit.** The Closing Date shall be extended forty-five (45) days. Within three (3) business days of execution of this Amendment, Buyer shall deposit an additional Twenty-Five Thousand and 00/100 Dollars (\$25,000.00) (“**Additional Deposit**”) with Title Company. The Additional Deposit shall be treated the same as the Earnest Money, as provided in the Purchase Agreement.

2. **Miscellaneous.**

a. **Definitions.** Capitalized terms used in this Amendment that are not otherwise defined herein shall have the meanings ascribed to such terms in the Purchase Agreement.

b. **Partial Invalidity.** If any term or provision of this Amendment or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this Amendment, or the application of such term or provision to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected thereby, and each such term and provision of this Amendment shall be valid and enforced to the fullest extent permitted by law.

c. **No Waivers.** No waiver of any breach of any covenant or provision herein contained shall be deemed a waiver of any preceding or succeeding breach thereof, or of any other

covenant or provision herein contained. No extension of time for performance of any obligation or act shall be deemed an extension of the time for performance of any other obligation or act.

d. Binding Effect. This Amendment shall be binding upon and inure to the benefit of the parties hereto and their respective permitted successors and assigns.

e. Entire Agreement; No Other Modification. This Amendment is the final expression of, and contains the entire agreement among, the parties hereto with respect to the subject matter set forth herein and may not be modified other than by an agreement in writing signed each party hereto. Except as expressly modified by this Amendment, all terms and conditions of the Purchase Agreement, together with any and all exhibits thereto, shall remain unmodified and are in full force and effect and enforceable in accordance with their terms. In the event of a conflict between the Purchase Agreement and this Amendment, the terms and provisions of this Amendment shall control.

f. Governing Law; Venue. The parties hereto expressly agree that this Amendment shall be governed by, interpreted under, and construed and enforced in accordance with the laws of the State of Minnesota. Any dispute arising under this Amendment or the documents referred to herein will be adjudicated exclusively in the courts of the State in which the Real Property is located.

g. Counterparts. This Amendment may be executed in counterparts, each of which shall constitute a separate document but all of which together shall constitute one and the same agreement. Signature pages may be detached and reattached to physically form one document. A signature scanned and sent by facsimile and/or e-mail shall be binding as an original signature.

[Signatures follow on next page(s)]

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date first set forth above.

SELLER
CITY OF NORTH BRANCH

Kevin Schieber, Mayor

Matthew Hill, City Administrator

STATE OF MINNESOTA)
) SS
COUNTY OF)

The foregoing instrument was acknowledged before me this ____day of _____, 2025 by Kevin Schieber and Matthew Hill, Mayor and City Administrator, of the City of North Branch, a Minnesota municipal corporation, on behalf of the corporation.

Notary Public

BUYER
SUNRISE RIVER COMMONS LLC

Paul Tucci, Manager

STATE OF MINNESOTA)

) SS

COUNTY OF _____)

The foregoing instrument was acknowledged before me this ____ day of _____, 2025 by Paul Tucci, Manager, of the Sunrise River Commons, LLC, a Minnesota limited liability company, on behalf of said company.

Notary Public



Prepared By: Shawn Williams, Public Works Director

Presenter: Shawn Williams, Public Works Director

Date: 03/06/2025

Board & Commission: City Council

Subject: Update regarding the MNDOT Turn lane project at Highway 95 and 392nd Street

MNDOT will be starting the intersection improvements at Hwy. 95 and 392 St. (Access Church Location). As you remember, there were several severe accidents at this location within the last 5 years. The improvements will consist of widening the roadway and adding a center left turn lane, street lighting and some minor drainage improvements to accommodate the widening of the roadway.

I have included the plans as a visual reference of the work to be done and a detailed project schedule. MNDOT has bid the project and awarded the work to Forest Lake Contracting Inc. The work is scheduled to start in mid-March and be completed by August 1, 2025. The city will have no cost for the reconstruction portion of the project. However, we will have a maintenance agreement in place for the street lighting and monthly cost after the installation, this cost is minimal. The agreement is standard and the same we have with the other intersections within the city limits where stop lights and streetlights are located.

The project is a very good safety improvement for this intersection.

Voting Requirements:

Voting Options Simple Majority

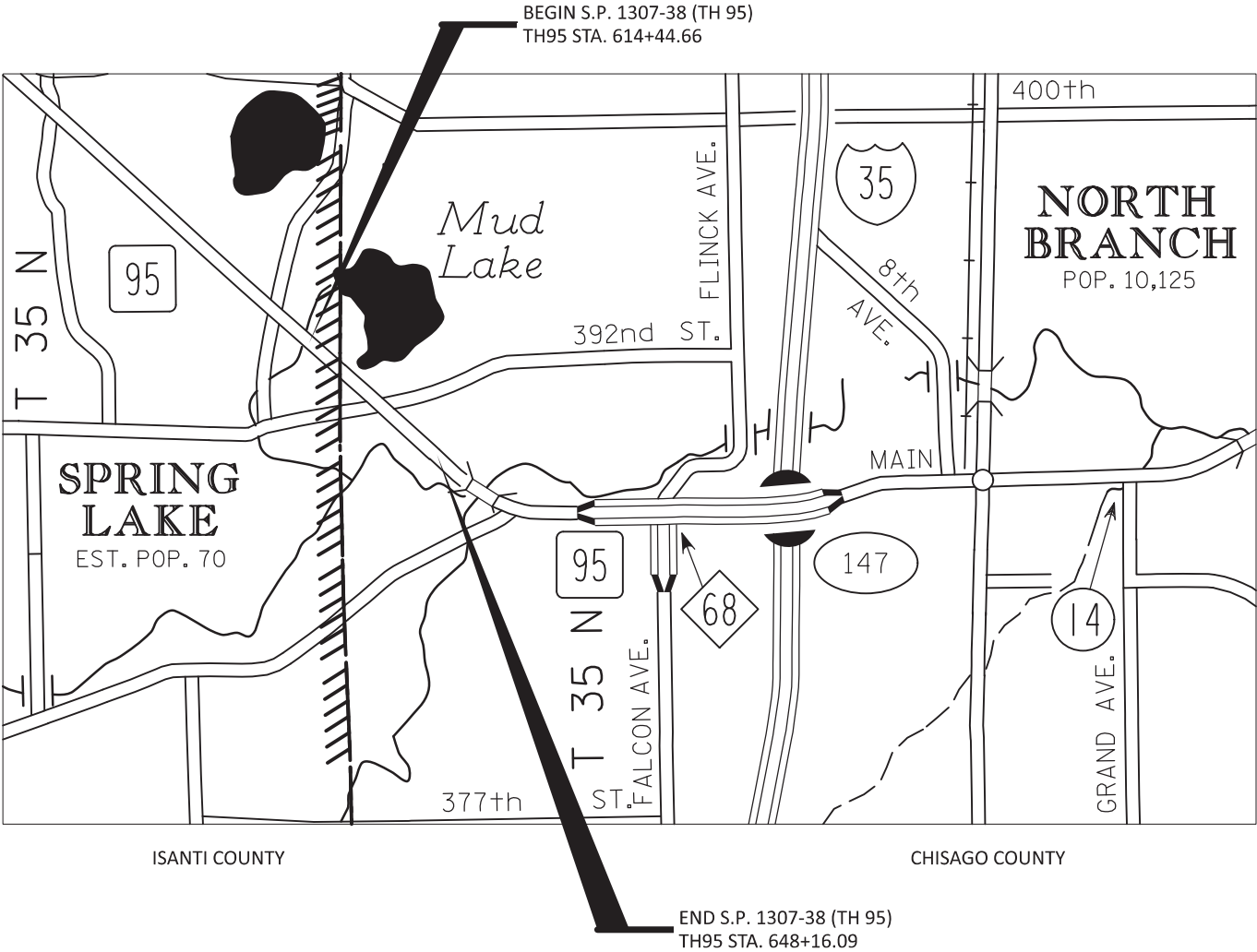
PLOT NAME: d1307038_100tsh
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_100tsh.dgn
PLOTTED/REVISED: 24-JUL-2024

MINNESOTA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN FOR GRADING, BITUMINOUS MILL AND OVERLAY AND LIGHTING

LOCATED ON T.H. 95 FROM 1641' WEST OF 392ND ST TO 1730' EAST OF 392ND ST

STATE PROJ. NO. 1307-38
GROSS LENGTH 3371.43 FEET 0.639 MILES
BRIDGES-LENGTH FEET MILES
EXCEPTIONS-LENGTH FEET MILES
NET LENGTH 3371.43 FEET 0.639 MILES
REF. POINT 052+00.902 TO REF. POINT 052+01.174=053+00.00 TO REF. POINT 053+00.367



FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY
08-14-2024	1,3,PM1-PM5	VKRS



DESIGN DESIGNATION

Design ESALS =
ADT (Current Year) 2022 = 8536
ADT (Future Year) =
DHV (Design Hr. Vol.) =
D (Directional Distr.) = %
T (Heavy Commercial) = %

Design Speed 60 MPH
Based on Stopping Sight Distance
Height of eye 3.5' Height of object 2'
Design Speed not achieved at:
STA. TO STA. MPH
STA. TO STA. MPH



PROJECT LOCATION
COUNTY: CHISAGO AND ISANTI
DISTRICT: METRO

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL

STATE PROJ. NO. 1307-38
CHARGE IDENTIFIER

FED. PROJ. NO. HSIP 1325(006)

GOVERNING SPECIFICATIONS

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

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3 - 4	STATEMENT OF ESTIMATED QUANTITIES
5	SOILS AND CONSTRUCTION NOTES AND STANDARD PLATES
6 - 10	TABULATIONS
11	INPLACE UTILITY TABULATIONS
12 - 13	TYPICAL SECTIONS
14 - 37A	STANDARD PLANS
38 - 40	TEMPORARY REMOVAL PLANS
41 - 43	TEMPORARY CONSTRUCTION PLANS
44	ALIGNMENT TABULATION
45 - 47	INPLACE TOPO, UTILITY, AND ALIGNMENT PLANS
48 - 50	REMOVAL PLANS
51 - 53	CONSTRUCTION PLANS
54	CONSTRUCTION DETAILS
55 - 57	DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS
58 - 59	DRAINAGE PROFILES AND TABULATIONS
60	DRAINAGE DETAILS
61 - 62	ENVIRONMENTAL MANAGEMENT PLANS
63 - 65	STORM WATER POLLUTION PREVENTION PLANS
TC1 - TC15	TRAFFIC CONTROL PLAN
PM1 - PM5	PERMANENT PAVEMENT MARKING PLAN
SL1 - SL3	LIGHTING PLANS
ST1 - ST6	SIGNING PLANS
X1 - X26	CROSS SECTION MATCHLINE LAYOUT AND CROSS SECTIONS

THIS PLAN CONTAINS 121 SHEETS

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: CHAD CASEY LIC. NO. 43348

DATE: SIGNATURE: Chad Casey

DESIGN SQUAD BRIAN HAGER, DILLON LLOYD

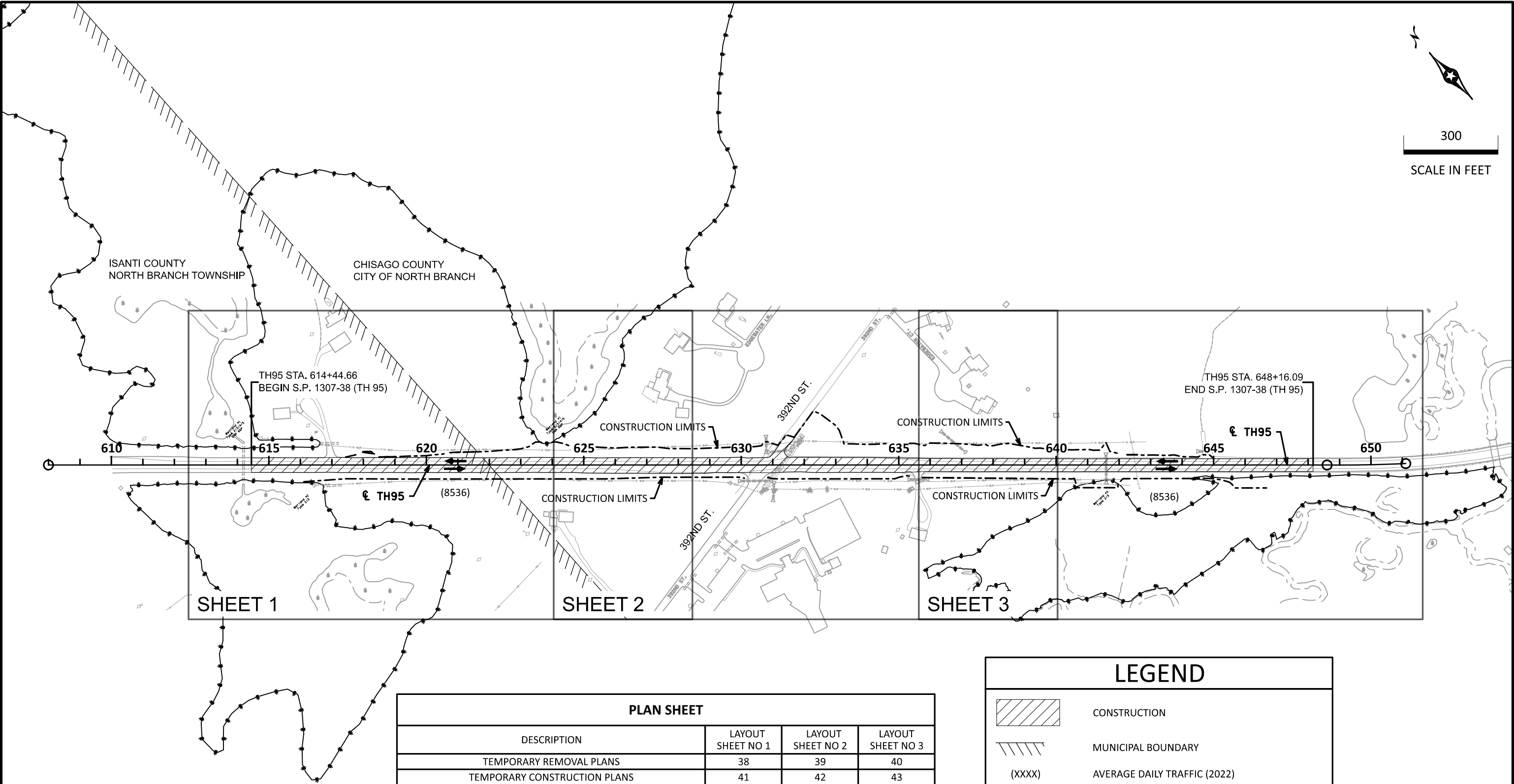
OFFICE OF LAND MANAGEMENT APPROVAL FOR DIRECTOR, LAND MANAGEMENT Julie Groetsch

APPROVED STATE DESIGN ENGINEER Tom Styrbicki

TITLE SHEET

STATE PROJ. NO. 1307-38
(T.H. 95=132)
SHEET NO. 1
TOTAL SHEETS 65

PLOT NAME: d1307038_105gel
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_105gel.dgn
PLOTTED/REVISED: 2-JUL-2024



PLAN SHEET			
DESCRIPTION	LAYOUT SHEET NO 1	LAYOUT SHEET NO 2	LAYOUT SHEET NO 3
TEMPORARY REMOVAL PLANS	38	39	40
TEMPORARY CONSTRUCTION PLANS	41	42	43
INPLACE TOPO, UTILITY, AND ALIGNMENT PLANS	45	46	47
REMOVAL PLANS	48	49	50
CONSTRUCTION PLANS	51	52	53
DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS	55	56	57

LEGEND

CONSTRUCTION

MUNICIPAL BOUNDARY

(XXXX)

AVERAGE DAILY TRAFFIC (2022)

TRAFFIC FLOW ARROW

AREAS OF ENVIRONMENTAL SENSITIVITY

14-AUG-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_110est
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\dl307038_110est.dgn

STATEMENT OF ESTIMATED QUANTITIES					
TAB	SHEET NUMBER	ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES (A)
		2011.601	CONSTRUCTION SURVEYING	LUMP SUM	1
		2011.601	AS BUILT	LUMP SUM	1
		2021.501	MOBILIZATION	LUMP SUM	1
		2031.502	COMBINATION FIELD LABORATORY-OFFICE	EACH	1
		2051.501	MAINT AND RESTORATION OF HAUL ROADS	LUMP SUM	1
B	7	2101.502	CLEARING	EACH	7
B	7	2101.502	GRUBBING	EACH	7
B	7	2101.505	CLEARING (P)	ACRE	0.4
B	7	2101.505	GRUBBING (P)	ACRE	0.4
TC	TC2	2102.503	PAVEMENT MARKING REMOVAL	LIN FT	59871
TC	TC2	2102.518	PAVEMENT MARKING REMOVAL	SQ FT	96
B	7	2104.502	REMOVE PIPE APRON	EACH	1
B	7	2104.502	REMOVE MANHOLE	EACH	1
ST	ST1	2104.502	REMOVE DELINEATOR / MARKER	EACH	2
ST	ST1	2104.502	REMOVE SIGN	EACH	4
ST	ST1	2104.502	SALVAGE SIGN	EACH	9
B	7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	9214
B	7	2104.503	REMOVE PIPE CULVERTS (1)	LIN FT	114
B	7	2104.503	REMOVE PIPE SEWERS (1)	LIN FT	32
B	7	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	4445
B	7	2104.504	REMOVE BITUMINOUS SHOULDER PAVEMENT	SQ YD	8655
ST	ST1	2104.602	SALVAGE SIGN SPECIAL	EACH	1
A	6	2106.507	EXCAVATION - COMMON (P)	CU YD	12126
A	6	2106.507	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	3335
A	6	2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	7072
A	6	2118.507	AGGREGATE SURFACING (CV) CLASS 1 (P)	CU YD	340
A	6	2211.507	AGGREGATE BASE (CV) CLASS 6 (P)	CU YD	3577
		2231.509	BITUMINOUS PATCHING MIXTURE (2)	TON	45
B	7	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	583
B	7	2232.504	MILL BITUMINOUS SURFACE (4.0")	SQ YD	4260
D	8	2232.603	MILLED RUMBLE STRIPS	LIN FT	3994
D	8	2232.603	MILLED RUMBLE STRIPS-CL	LIN FT	1665
C	8	2331.603	JOINT ADHESIVE	LIN FT	8388
C	8	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B)	TON	2217
C	8	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)	TON	5547

STATEMENT OF ESTIMATED QUANTITIES					
TAB	SHEET NUMBER	ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES (A)
F	59	2501.502	12" CS PIPE APRON	EACH	1
F	59	2501.502	12" GS PIPE APRON	EACH	1
F	59	2501.502	21" GS PIPE APRON	EACH	1
F	59	2501.502	24" GS PIPE APRON	EACH	1
F	59	2501.502	22" SPAN RC PIPE-ARCH APRON	EACH	1
F	59	2501.502	18" GS SAFETY APRON	EACH	1
F	59	2501.502	12" RC SAFETY APRON	EACH	2
F	59	2501.503	12" CAS PIPE CULVERT	LIN FT	45
F	59	2503.503	18" CS PIPE SEWER	LIN FT	37
F	59	2503.503	24" CS PIPE SEWER	LIN FT	16
F	59	2503.503	22" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	27
F	59	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	161
F	59	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	4
F	59	2506.502	CASTING ASSEMBLY	EACH	6
F	59	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	7.1
F	59	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	3.1
F	59	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	18.7
F	59	2511.504	GEOTEXTILE FILTER TYPE 3	SQ YD	54.2
F	59	2511.504	GEOTEXTILE FILTER TYPE 7	SQ YD	31.5
F	59	2511.507	RANDOM RIPRAP CLASS II	CU YD	9.5
F	59	2511.507	RANDOM RIPRAP CLASS IV	CU YD	9.7
TC	TC2	2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	3200
B	7	2540.602	MAIL BOX SUPPORT	EACH	2
SL	SL1	2545.501	LIGHTING SYSTEM	LUMP SUM	1
F	59	2554.502	GUIDE POST TYPE B	EACH	7
TC	TC2	2563.601	TRAFFIC CONTROL	LUMP SUM	1
TC	TC2	2563.602	RAISED PAVEMENT MARKER TEMPORARY	EACH	310
TC	TC2	2563.602	PORTABLE BARRIER DELINEATOR	EACH	128
TC	TC2	2563.602	TUBULAR MARKER	EACH	253
TC	TC2	2563.602	REPLACE TUBULAR MARKER	EACH	50
TC	TC2	2563.615	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	4
ST	ST1	2564.602	INSTALL SIGN	EACH	9
ST	ST1	2564.602	INSTALL SIGN SPECIAL	EACH	1
PM	PM1	2564.602	TERMINAL POST	EACH	1
ST	ST1	2564.602	DELINEATOR / MARKER	EACH	2
ST	ST1	2564.602	DELINEATOR / MARKER PANEL	EACH	2
ST	ST1	2564.618	SIGN	SQ FT	111

NOTES:

- (A) 90% FEDERAL, 10% STATE FUNDS
- (1) LENGTH INCLUDES APRON.
- (2) TYPE SP 12.5 WEARING COURSE MIX (3,C)(SPWEB340C) SHALL BE USED FOR JOINT FILLING AND LEVELING.

PLOT NAME: d1307038_110est

PLOT NAME: d1307038_110est

4-JUN-2024

PLOTTED/REVISED:

PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_110est.dgn

STATEMENT OF ESTIMATED QUANTITIES					
TAB	SHEET NUMBER	ITEM NUMBER	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES (A)
		2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1
E	9-10	2573.502	STORM DRAIN INLET PROTECTION	EACH	1
E	9-10	2573.502	CULVERT END CONTROLS	EACH	7
E	9-10	2573.503	SILT FENCE, TYPE MS	LIN FT	1019
E	9-10	2573.503	SEDIMENT CONTROL LOG TYPE COMPOST	LIN FT	5057
E	9-10	2574.505	SUBSOILING (P)	ACRE	1.5
E	9-10	2574.505	SOIL BED PREPARATION (P)	ACRE	4.4
E	9-10	2574.508	FERTILIZER TYPE 3	POUND	348
E	9-10	2574.508	FERTILIZER TYPE 4	POUND	176
E	9-10	2574.509	LIME	TON	6.4
E	9-10	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SQYD	15240
E	9-10	2575.505	SEEDING (P)	ACRE	3.2
E	9-10	2575.505	WEED SPRAYING	ACRE	1.6
E	9-10	2575.506	WEED SPRAY MIXTURE (1)	GALLON	0.4
E	9-10	2575.523	RAPID STABILIZATION METHOD 3	M GALLON	7.6
E	9-10	2575.608	SEED MESIC INSLOPE	POUND	113
E	9-10	2575.608	SEED SOUTHERN TALLGRASS ROADSIDE	POUND	38
PM	PM1	2580.501	INTERIM PAVEMENT MARKING	LUMP SUM	1
TC	TC2	2582.503	6" SOLID LINE PAINT (WR)	LIN FT	17194
TC	TC2	2582.503	4" DOUBLE SOLID LINE PAINT (WR)	LIN FT	9065
PM	PM1	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT (WR)	LIN FT	534
PM	PM1	2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	512
PM	PM1	2582.503	6" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	5238
PM	PM1	2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	110
PM	PM1	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN (WR)	LIN FT	5663
PM	PM1	2582.503	6" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	902
PM	PM1	2582.503	24" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	332
PM	PM1	2582.518	PAVEMENT MESSAGE PREFORM THERMOPLASTIC GROUND IN ENHANCED SKID RESISTANCE	SQFT	124

NOTES:

(A) 90% FEDERAL, 10% STATE FUNDS

(1) CLOPYRALID HERBICIDE LABELED FOR RIGHT OF WAY USE AND FORMULATED AT 3 POUNDS ACID EQUIVALENT PER GALLON.




CHAD CASEY
LIC. NO. 43348
DATE: 4-JUN-2024
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 4-JUN-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

STATEMENT OF ESTIMATED QUANTITIES

STATE PROJ. NO. 1307-38	SHEET NO. 4
(T.H. 95)	TOTAL SHEETS 65

PLOT NAME: d1307038_115spt
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\dl307038_115spt.dgn
PLOTTED/REVISED: 2-JUL-2024

SOILS AND CONSTRUCTION NOTES

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT	
STANDARD PLATES	
PLATE NO.	DESCRIPTION
3000M	REINFORCED CONCRETE PIPE (6 SHEETS)
3006H	GASKET JOINT FOR R.C. PIPE (2 SHEETS)
3014L	REINFORCED CONCRETE PIPE ARCH (3 SHEETS)
3022C	PRECAST CONCRETE SAFETY APRON (3 SHEETS)
3040F	CORRUGATED METAL PIPE CULVERT (STANDARD 2-2/3" X 1/2" CORRUGATION)
3100G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE
3110G	CONCRETE APRON FOR REINFORCED CONCRETE PIPE-ARCH
3123J	METAL APRON FOR C.S. PIPE
3124B	METAL APRON CONNECTION
3133D	RIPRAP AT RCP OUTLETS
3134D	RIPRAP AT CSP OUTLETS
3221D	CORRUGATED STEEL PIPE COUPLING BAND (3 SHEETS)
4010I	CONCRETE ADJUSTING RINGS
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
4101D	RING CASTING FOR MANHOLE OR CATCH BASIN
4108F	ADJUSTING RINGS FOR CATCH BASINS AND MANHOLES
4110F	COVER CASTING FOR MANHOLE (FOR USE IN ALL TRAFFIC AREAS) – CASTING NO. 715 AND 716
4143E	STOOL GRATE & CONCRETE FRAME (MEDIAN DRAINS) - CASTING NO. 731
4180J	MANHOLE OR CATCH BASIN STEP
8150C	INSTALLATION OF CULVERT MARKERS
8337D	TEMPORARY PORTABLE PRECAST CONCRETE BARRIER - TYPE F (3 SHEETS)
9350C	MAILBOX SUPPORT - SWING-AWAY TYPE (3 SHEETS)

SEE SHEET SL1 FOR ADDITIONAL STANDARD PLAN SHEETS THAT APPLY TO THIS PROJECT.

1. STRIP ALL SOD AND TOPSOIL FROM AREAS TO BE DISTURBED BY CONSTRUCTION AND REUSE AS TOPSOIL. TOPSOIL STRIPPING IS PAID FOR AS EXCAVATION – COMMON AND PLACEMENT OF TOPSOIL IS PAID FOR AS COMMON EMBANKMENT (CV).

2. IN ANY PROPOSED WIDENING CONSTRUCTION, MATCH THE EXISTING SOIL IN THE UPPER 5 FEET OF ROADWAYS TO BE WIDENED WITH SOIL OF A SIMILAR CLASS, COLOR, MOISTURE CONTENT, AND PERFORMANCE CHARACTERISTICS. GRANULAR MATERIAL SHALL NOT BE PLACED ADJACENT TO EXISTING NON-GRANULAR SOILS.

3. IN ANY CASE WHERE GRANULAR EMBANKMENTS JOIN NON-GRANULAR SOIL EMBANKMENTS, PROVIDE A 1:20 (V:H) TRANSITION BETWEEN THE CHANGE IN MATERIAL TO PREVENT AN ABRUPT SOILS DIFFERENTIAL. CONSTRUCT THE 1:20 (V:H) TRANSITION SUCH THAT THE GRANULAR MATERIAL OVERLAYS THE ADJACENT NON-GRANULAR SOIL.

4. WHERE CONNECTING NEW SURFACING ADJACENT TO ANY EXISTING PAVEMENTS TO BE WIDENED, CUT VERTICALLY TO THE BOTTOM OF THE EXISTING SURFACING OR TO THE BOTTOM OF THE NEW SURFACING DESIGN, WHICHEVER IS DEEPER, THEN AT A 2:1 (V:H) SLOPE TO THE BOTTOM OF THE RECOMMENDED EXCAVATION.

5. WHERE CONNECTING TO EXISTING ROADWAYS AT THE TERMINI OF PROPOSED CONSTRUCTION, CUT VERTICALLY TO THE BOTTOM OF THE EXISTING SURFACING OR TO THE BOTTOM OF THE NEW SURFACING DESIGN, WHICHEVER IS DEEPER, THEN AT A 1:20 (V:H) TAPER TO THE BOTTOM OF THE RECOMMENDED EXCAVATION.

6. WHERE MATCHING INTO IN-PLACE CROSSROADS, CUT VERTICALLY TO THE BOTTOM OF THE IN-PLACE SURFACING, THEN AT A 1V:4H SLOPE TO THE BOTTOM OF THE RECOMMENDED EXCAVATION.

7. PROVIDE FOR 1(V):20(H) TAPERS WHEN CHANGING SUBCUT DEPTHS.

8. AS A PRECAUTIONARY MEASURE FROM A SOILS STANDPOINT, TRAFFIC LANES TO BE USED DURING CONSTRUCTION MUST BE DELINEATED TO KEEP VEHICLES A SAFE DISTANCE AWAY FROM THE ADJACENT EXCAVATION. THE DELINEATION SHOULD COINCIDE WITH POINTS ESTABLISHED BY PROJECTING 1(V):2(H) OR GREATER (FLATTER) SLOPE BETWEEN THE EDGE OF THE TRAFFIC SURFACE AND THE BOTTOM OF THE EXCAVATION.
9. PROVIDE A SAW CUT WHERE PLACING NEW PAVEMENT NEXT TO IN-PLACE PAVEMENT TO ENSURE A UNIFORM JOINT.

10. THIS IS A REMINDER THAT UNDER STATE LAW IT IS THE CONTRACTOR’S RESPONSIBILITY TO CONTACT ALL UTILITIES THAT MAY HAVE FACILITIES IN THE AREA. CONTACT MUST BE MADE THROUGH GOPHER STATE ONE CALL.

11. PROVIDE A UNIFORM TACK COAT BETWEEN ALL BITUMINOUS LAYERS AND PRIOR TO PLACING ANY BITUMINOUS MIXTURES ON EXISTING PAVEMENT IN ACCORDANCE WITH SPECIFICATION 2357 (INCIDENTAL).

12. JOINT ADHESIVE SHALL BE USED ON LONGITUDINAL CONSTRUCTION JOINTS OF THE FINAL LIFT OF BITUMINOUS PAVEMENT WHERE AN ADJACENT BITUMINOUS PAVEMENT WILL BE CONSTRUCTED AND ALSO BETWEEN CONCRETE PAVEMENT AND AN ADJACENT BITUMINOUS SHOULDER WILL BE CONSTRUCTED. WORK IS DONE IN ACCORDANCE WITH THE MOST RECENT SPECIAL PROVISION (2331) JOINT ADHESIVE.

13. AFTER MILLING THE PAVEMENT TO THE REQUIRED DEPTH AND PRIOR TO OVERLAYING, AIR BLAST ANY DETERIORATED CRACKS AND JOINTS TO REMOVE LOOSE OR DETERIORATED BITUMINOUS SURFACING. THE AIR BLASTING SHALL BE DONE WITH HIGH-PRESSURE (100+ PSI) EQUIPMENT. PAYMENT FOR THIS WORK SHALL BE MADE UNDER SPECIFICATION 2231.

14. CRACKS OR DEPRESSIONS RESULTING AFTER SURFACE REPAIR, AIR BLASTING, SWEEPING OR MILLING OPERATIONS, WHICH ARE GREATER THAN 1 ½” IN DEPTH AND WIDTH, SHALL BE PATCHED WITH BITUMINOUS PATCHING MIXTURE. PATCHING OF THESE AREAS SHALL BE DONE AHEAD OF THE PAVING OPERATION AND COMPACTED WITH A SMALL VIBRATORY OR PNEUMATIC ROLLER. DEPRESSIONS OF LESSER DIMENSIONS SHALL BE FILLED WITH THE BITUMINOUS COURSE MIXTURE IN FRONT OF THE PAVER.

15. THE CONTRACTOR SHALL PROVIDE OUTLET TRENCHES AND TAKE MEASURES NECESSARY TO ALLOW SURFACE DRAINAGE OF THE MILLED SURFACE. PAYMENT FOR MILLING AND PATCHING THE OUTLET TRENCHES SHALL BE MADE UNDER SPECIFICATION 2231.




LICENCED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

SOILS AND CONSTRUCTION NOTES AND
STANDARD PLATES

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 5
TOTAL SHEETS 65

PLOT NAME: d1307038_130tab

2-JUL-2024

PLOTTED/REVISED:

PATH & FILENAME: Projects\DM_ROMS\095\1307\038 Design\PlanSheets\dl307038_130tab.dgn

TEMPORARY EARTHWORK QUANTITIES				
STATION TO STATION	EXCAVATION - COMMON	COMMON EMBANKMENT (CV)	AGGREGATE SURFACING (CV) CLASS 1	AGGREGATE BASE (CV) CLASS 6
	CU YD	CU YD	CU YD	CU YD
TH95				
614+44.66 TO 615+00.00	26.79	18.14	1.13	13.83
615+00.00 TO 616+00.00	68.71	46.90	3.19	24.99
616+00.00 TO 617+00.00	99.50	140.73	3.26	41.96
617+00.00 TO 618+00.00	81.37	116.85	3.26	44.51
618+00.00 TO 619+00.00	88.89	140.19	3.26	45.11
619+00.00 TO 620+00.00	76.85	84.71	3.26	45.20
620+00.00 TO 621+00.00	69.84	37.53	3.26	45.35
621+00.00 TO 622+00.00	70.20	47.12	3.26	45.05
622+00.00 TO 623+00.00	73.77	59.98	3.26	45.19
623+00.00 TO 624+00.00	65.94	61.53	3.26	45.26
624+00.00 TO 625+00.00	64.86	66.55	3.26	45.17
625+00.00 TO 626+00.00	66.32	92.08	3.26	44.21
626+00.00 TO 627+00.00	67.81	100.99	3.26	31.76
627+00.00 TO 628+00.00	56.69	136.02	3.26	18.11
628+00.00 TO 629+00.00	53.77	158.96	3.26	16.50
629+00.00 TO 630+00.00	58.78	206.64	3.26	16.63
630+00.00 TO 631+00.00	15.53	19.95	0.93	8.74
631+00.00 TO 632+00.00	76.41	185.28	3.26	44.85
632+00.00 TO 633+00.00	76.80	144.98	3.26	44.76
633+00.00 TO 634+00.00	79.04	123.93	3.26	44.78
634+00.00 TO 635+00.00	69.90	115.07	3.26	44.52
635+00.00 TO 636+00.00	53.12	22.54	2.32	31.39
636+00.00 TO 637+00.00	69.44	50.11	3.26	43.81
637+00.00 TO 638+00.00	66.58	55.56	3.26	43.91
638+00.00 TO 639+00.00	68.23	60.03	3.26	46.70
639+00.00 TO 640+00.00	67.84	81.69	3.26	49.15
640+00.00 TO 641+00.00	97.11	113.88	3.26	48.82
641+00.00 TO 642+00.00	117.23	293.54	3.26	48.26
642+00.00 TO 643+00.00	68.13	84.64	3.26	43.60
643+00.00 TO 644+00.00	63.11	32.98	3.26	43.80
644+00.00 TO 645+00.00	66.15	53.25	3.26	43.78
645+00.00 TO 646+00.00	93.91	176.64	3.26	43.67
646+00.00 TO 647+00.00	112.73	205.49	3.26	36.79
647+00.00 TO 648+00.00	32.16	9.70	3.26	21.56
648+00.00 TO 649+00.00	4.23	0.76	0.53	3.52
TEMPORARY TOTALS:				
	2714	3345	106	1305

EARTHWORK QUANTITIES					
STATION TO STATION	EXCAVATION - COMMON	COMMON EMBANKMENT (CV)	AGGREGATE SURFACING (CV) CLASS 1	AGGREGATE BASE (CV) CLASS 6	SELECT GRANULAR EMBANKMENT (CV)
	CU YD	CU YD	CU YD	CU YD	CU YD
TH95					
616+10.80 TO 617+00.00	51.30	47.45	4.69		
617+00.00 TO 618+00.00	147.91	52.68	6.41	35.36	46.13
618+00.00 TO 619+00.00	244.40	52.11	7.32	63.03	85.63
619+00.00 TO 620+00.00	236.02	42.65	7.32	63.31	91.80
620+00.00 TO 621+00.00	259.38	56.42	12.45	74.00	97.97
621+00.00 TO 622+00.00	270.52	77.64	7.32	79.62	104.15
622+00.00 TO 623+00.00	288.32	115.61	7.32	82.71	110.32
623+00.00 TO 624+00.00	303.63	319.86	7.32	85.97	116.49
624+00.00 TO 625+00.00	302.01	286.33	7.32	88.92	122.67
625+00.00 TO 626+00.00	305.36	170.70	7.32	91.89	128.68
626+00.00 TO 627+00.00	267.95	151.01	7.32	92.82	130.54
627+00.00 TO 628+00.00	255.68	125.52	7.32	92.82	130.54
628+00.00 TO 629+00.00	251.55	119.28	7.32	92.82	130.54
629+00.00 TO 630+00.00	264.81	122.93	7.32	92.82	130.54
630+00.00 TO 631+00.00	265.92	116.70	3.60	88.23	131.24
631+00.00 TO 631+50.00	228.94	20.63	6.28	65.55	130.17
631+50.00 TO 632+00.00	205.32	102.81	6.01	59.90	118.94
632+00.00 TO 632+45.00	368.67	155.04	3.96	34.91	62.38
632+45.00 TO 633+00.00	464.97	212.23	4.68	42.98	75.87
633+00.00 TO 634+00.00	370.23	191.42	8.51	78.48	137.95
634+00.00 TO 635+00.00	395.92	144.92	8.51	78.62	137.95
635+00.00 TO 636+00.00	424.03	105.78	7.00	78.62	137.95
636+00.00 TO 637+00.00	491.16	115.64	7.92	89.76	132.79
637+00.00 TO 638+00.00	373.97	105.47	7.32	91.31	127.52
638+00.00 TO 639+00.00	362.85	110.55	7.32	88.22	121.35
639+00.00 TO 640+00.00	306.24	97.67	7.32	85.14	115.17
640+00.00 TO 641+00.00	354.48	98.33	7.32	82.05	109.00
641+00.00 TO 642+00.00	569.83	130.55	7.32	78.81	102.83
642+00.00 TO 643+00.00	267.65	48.65	7.32	71.53	96.66
643+00.00 TO 644+00.00	228.64	49.35	7.32	65.18	90.48
644+00.00 TO 645+00.00	211.15	36.70	13.03	57.11	80.88
645+00.00 TO 646+00.00	31.07	79.61	5.25		
646+00.00 TO 647+00.00	42.32	64.52	3.57		
FINAL TOTALS:					
	9412	3727	234	2272	3335

EARTHWORK SUMMARY						A
ALIGNMENT	EXCAVATION - COMMON	COMMON EMBANKMENT (CV)	SELECT GRANULAR EMBANKMENT (CV)	AGGREGATE SURFACING (CV) CLASS 1	AGGREGATE BASE (CV) CLASS 6	
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
TH95 (TEMPORARY)	2714	3345		106	1305	
TH95 (FINAL)	9412	3727	3335	234	2272	
TOTALS:	12126	7072	3335	340	3577	




CHAD CASEY
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

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TABULATIONS

STATE PROJ. NO. 1307-38

(T.H. 95)

SHEET NO. 6

TOTAL SHEETS 65

EARTHWORK
SHEET 1 OF 5

30-MAY-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_130tab
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\dl307038_130tab.dgn

- NOTES:
- (1) APPROXIMATE DEPTH IS 9"
 - (2) APPROXIMATE DEPTH IS 5"
 - (3) THIS WORK CONSISTS OF REMOVING EXISTING MAIL BOX SUPPORTS AND FURNISHING AND INSTALLING NEW MAIL BOX SUPPORTS IN ACCORDANCE WITH STANDARD PLATE 9350.
 - (4) MANHOLE APPROXIMATE DEPTH IS 7.4'

MISCELLANEOUS REMOVALS																	B
ALIGNMENT	STATION TO STATION	LOCATION	CLEARING		GRUBBING		MAIL BOX SUPPORT (3)	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	REMOVE BITUMINOUS PAVEMENT (1)	REMOVE BITUMINOUS SHOULDER PAVEMENT (2)	MILL BITUMINOUS SURFACE (2.0")	MILL BITUMINOUS SURFACE (4.0")	REMOVE PIPE APRON	REMOVE PIPE SEWERS	REMOVE MANHOLE	REMOVE PIPE CULVERTS	NOTES
			ACRE	EACH	ACRE	EACH	EACH	LIN FT	SQ YD	SQ YD	SQ YD	SQ YD	EACH	LIN FT	EACH	LIN FT	
PRIOR TO TEMPORARY WORK																	
TH95	614+44.66 TO 629+31.45	12' LT TO 14' LT									330						
TH95	614+44.66 TO 630+12.82	12' RT TO 30' RT						1587		1728							
TH95	620+69.14	30' RT					1										
TH95	627+58.00 TO 629+66.36	44.2' RT TO 57.9' RT	0.05		0.05												
TH95	630+84.33 TO 648+16.09	12' RT TO 30' RT						1756		1797							
TH95	635+41.21 TO 635+84.64	23.6' RT TO 20.9' RT						44									
TH95	636+77.11 TO 648+16.09	12' LT TO 14' LT									253						
TH95	639+39.50	48.4' RT		1		1											
TH95	641+59.20	52.8' RT											1				
TH95	641+63.66 TO 642+24.37	48.5' RT TO 58.5' RT	0.05		0.05												
TH95	645+57.08 TO 646+01.09	47.8' RT TO 58.5' RT	0.05		0.05												
TH95	646+31.59	42' RT		1		1											
TH95	646+74.08	48.2' RT		1		1											
TEMPORARY TOTALS:																	
TEMPORARY TOTALS:			0.15	3	0.15	3	1	3387		3525	583		1				
PRIOR TO FINAL PROPOSED WORK																	
TH95	616+10.79 TO 630+12.82	22' RT TO 30' RT						1408		1123							
TH95	617+44.00	0' LT TO 23' LT						24									
TH95	617+44.00 TO 644+95.72	0' LT TO 0' LT						2752									
TH95	617+44.00 TO 644+95.72	0' LT TO 95' LT							4445								
TH95	617+44.00 TO 630+86.64	12' LT TO 24' LT								1701							
TH95	617+44.00 TO 644+95.72	0' RT TO 24' RT									4260						
TH95	618+27.37 TO 621+56.37	49' LT TO 63' LT	0.06		0.06												
TH95	622+00.80 TO 625+01.30	35' LT TO 68' LT	0.1		0.1												
TH95	622+60.94	49' LT		1		1											
TH95	623+05.08	39' LT		1		1											
TH95	624+11.57	47' LT		1		1											
TH95	624+27.99	46' LT		1		1											
TH95	626+22.44 TO 628+65.90	55' LT TO 70' LT	0.05		0.05												
TH95	630+79.09	43' LT TO 65' LT														22	
TH95	630+84.33 TO 646+68.03	22' RT TO 30' RT						1592		1357							
TH95	630+91.74 TO 631+51.26	41' LT TO 47' LT														60	TAMS ID: 2198719
TH95	631+39.19 TO 631+69.25	95' LT TO 87' LT						31									
TH95	634+36.90 TO 644+95.72	12' LT TO 24' LT								949							
TH95	635+52.52	27' LT					1										
TH95	636+83.82 TO 637+08.60	44' LT TO 65' LT														32	
TH95	641+58.28	16' LT TO 31' LT												16			TAMS ID: 2198721
TH95	641+59.20	52.7' RT TO 68.3' RT												16	1		(4)
TH95	644+95.72	0' RT TO 20' LT						20									
FINAL TOTALS:																	
FINAL TOTALS:			0.21	4	0.21	4	1	5827	4445	5130		4260		32	1	114	
TEMPORARY TOTALS:																	
TEMPORARY TOTALS:			0.15	3	0.15	3	1	3387		3525	583		1				
FINAL TOTALS:			0.21	4	0.21	4	1	5827	4445	5130		4260		32	1	114	
TOTALS:																	
TOTALS:			0.36	7	0.36	7	2	9214	4445	8655	583	4260	1	32	1	114	

MISCELLANEOUS REMOVALS
SHEET 2 OF 5

2-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_130tab
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_130tab.dgn

BITUMINOUS														C
ALIGNMENT	STATION TO STATION	LOCATION	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C) (SPWEB330C) (1)			TYPE SP 12.5 WEARING COURSE MIXTURE (3,C) (SPWEB340C) (1)			TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B) (SPNWB330B) (1)			JOINT ADHESIVE	NOTES	
			TOTAL AREA	MIX	DEPTH	TOTAL AREA	MIX	DEPTH	TOTAL AREA	MIX	DEPTH			
			SQ YD	TON	INCH	SQ YD	TON	INCH	SQ YD	TON	INCH			
												LIN FT		
TEMPORARY														
TH95	614+44.66 TO 629+31.45	12' LT TO 14' LT	331	42.1	2									
TH95	614+44.66 TO 630+12.82	12' RT TO 30' RT	2549	900.1	6							1586		
TH95	630+84.33 TO 648+16.09	12' RT TO 30' RT	3261	1151.5	6							1756		
TH95	636+77.11 TO 648+16.09	12' LT TO 14' LT	254	32.3	2									
TEMPORARY TOTALS:				2126								3342		
FINAL PROPOSED														
TH95	617+44.00 TO 644+95.72	0' LT TO 97' LT				7475	1794.9	4	7475	2217	5	2800	RECONSTRUCT	
TH95	617+44.00 TO 630+92.59	12' LT TO 35' LT	1478	364.9	4							1360	(2) RECONSTRUCT	
TH95	636+30.31 TO 644+95.72	12' LT TO 35' LT	962	237.5	4							886	(2) RECONSTRUCT	
TH95	617+44.00 TO 644+95.72	0' RT TO 24' RT	4261	1023.2	4								OVERLAY	
FINAL TOTALS:				1626			1795			2217		5046		
TEMPORARY TOTALS:				2126								3342		
FINAL TOTALS:				1626			1795			2217		5046		
TOTALS:				3752			1795			2217		8388		

NOTES:
(1) 1/4" ADDED TO THE FIRST LIFT PLACED FOR COMPUTATIONAL PURPOSES ONLY
(2) QUANTITY INCLUDES SAFETY EDGE

RUMBLE STRIPS					D
ALIGNMENT	STATION TO STATION	LOCATION	MILLED RUMBLE STRIPS	MILLED RUMBLE STRIPS-CL	
			LIN FT	LIN FT	
TH95	617+44.00 TO 625+18.22	12' RT	774		
TH95	618+48.52 TO 630+36.15	13' LT TO 25' LT	1188		
TH95	619+18.52 TO 628+72.53	2' LT TO 13' LT		954	
TH95	631+03.44 TO 634+07.97	12' RT	305		
TH95	635+84.45 TO 644+95.72	12' RT	911		
TH95	636+80.31 TO 644+95.72	25' LT TO 12' LT	816		
TH95	637+84.64 TO 644+95.72	0' RT		711	
TOTALS:			3994	1665	

BITUMINOUS, RUMBLE STRIPS
SHEET 3 OF 5

2-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_130tab
PATH & FILENAME: Projects\DM_ROMS\095\1307\038 Design\PlanSheets\dl307038_130tab.dgn

NOTES:

- (1) 0.5 ACRE FOR EVERY 1 ACRE OF SOIL DISTURBANCE
- (2) 1.5 ACRES FOR EVERY 1 ACRE OF SOIL DISTURBANCE
- (3) 0.5 ACRE FOR EACH 1 ACRE SEEDED
- (4) 0.125 GALLON FOR EACH ACRE OF WEED SPRAYING
- (5) APPLIED AT THE RATE OF 2 TONS/ACRE
- (6) APPLIED AT THE RATE OF 200 POUNDS/ACRE, ANALYSIS 22-5-10
- (7) APPLIED AT THE RATE OF 120 POUNDS/ACRE, ANALYSIS 17-10-7
- (8) APPLIED AT THE RATE OF 6,000 GALLONS/ACRE
- (9) ADDITIONAL AREA FOR PERMANENT TURF ESTABLISHMENT WITHIN TEMPORARY GRADING LIMITS.

EROSION CONTROL & TURF ESTABLISHMENT																				E
ALIGNMENT	STATION TO STATION	LOCATION	STORM DRAIN INLET PROTECTION	CULVERT END CONTROLS	SILT FENCE, TYPE MS	SEDIMENT CONTROL LOG TYPE COMPOST	ROLLED EROSION PREVENTION CATEGORY 20	RAPID STABILIZATION METHOD 3	SUBSOILING	SOIL BED PREPARATION	WEED SPRAYING	WEED SPRAY MIXTURE	LIME	SEEDING	FERTILIZER TYPE 3	FERTILIZER TYPE 4	SEED MESIC INSLOPE	SEED SOUTHERN TALLGRASS ROADSIDE	NOTES	
			EACH	EACH	LIN FT	LIN FT	SQ YD	M GALLON	ACRE	ACRE	ACRE	ACRE	GALLON	TON	ACRE	POUND	POUND	POUND		POUND
TEMPORARY																				
TH95	614+44.66 TO 616+91.72	40' RT TO 67' RT			258															
TH95	614+44.66 TO 616+10.79	22' RT TO 38' RT					276		0.029	0.086	0.029	0.007	0.11	0.057	11.4		3.7			
TH95	614+44.66 TO 620+35.83	34' RT TO 68' RT				606														
TH95	615+24.90 TO 616+10.79	37' RT TO 59' RT					102		0.011	0.032	0.011	0.003	0.04	0.021		2.5		0.5		
TH95	616+10.79 TO 620+35.83	30' RT TO 65' RT						1.3												
TH95	620+55.89 TO 630+05.39	46' RT TO 57' RT				956														
TH95	620+55.89 TO 630+12.82							2.3												
TH95	630+84.33 TO 635+46.57	30' RT TO 54' RT						1.2												
TH95	630+90.16	50' RT		1																
TH95	630+93.15 TO 635+47.58	31' RT TO 56' RT				468														
TH95	631+04.25	59' RT		1																
TH95	635+36.57	46' RT		1																
TH95	635+75.39 TO 648+16.09	26' RT TO 74' RT				1311														
TH95	635+75.39 TO 646+68.06	30' RT TO 70' RT						2.8												
TH95	640+47.95 TO 642+25.89	48' RT TO 75' RT			210															
TH95	644+13.27 TO 648+16.09	27' RT TO 76' RT			432															
TH95	646+68.06 TO 647+10.62	36' RT TO 70' RT					82		0.008	0.025	0.008	0.002	0.03	0.017		2		0.4		
TH95	646+68.06 TO 648+16.09	20' RT TO 36' RT					122		0.013	0.038	0.013	0.003	0.05	0.025	5		1.6			
TEMPORARY TOTALS:																				
				3	900	3341	582	7.6	0.06	0.18	0.06	0.02	0.23	0.12	16	5	5	1		
FINAL PROPOSED																				
TH95	616+10.79 TO 630+12.81	24' RT TO 42' RT					2239		0.231	0.694	0.231	0.058	0.93	0.463	92.5		30.1			
TH95	616+10.79 TO 626+81.63	38' RT TO 53' RT					720		0.074	0.223	0.074	0.019	0.30	0.149		17.6		3.9		
TH95	616+10.79 TO 616+84.54	48' RT TO 65' RT					82				0.009	0.002	0.03	0.017		2		0.4	(9)	
TH95	617+28.11 TO 619+70.58	44' RT TO 56' RT					227				0.023	0.006	0.09	0.047		5.5		1.2	(9)	
TH95	617+44.00 TO 631+01.16	24' LT TO 50' LT					1673		0.173	0.519	0.173	0.043	0.69	0.346	69.2		22.5			
TH95	617+44.00 TO 624+99.86	24' LT TO 73' LT				779														
TH95	621+82.00 TO 630+86.59	42' LT TO 73' LT					820		0.085	0.254	0.085	0.021	0.34	0.170		20.3		4.4		
TH95	623+24.13 TO 624+33.68	59' LT TO 75' LT			119															
TH95	624+34.88 TO 630+07.99	39' RT TO 56' RT					623				0.064	0.016	0.26	0.129		15.5		3.4	(9)	
TH95	626+05.00	38' LT TO 54' LT				19														
TH95	627+05.00	38' LT TO 57' LT				22														
TH95	628+05.00	38' LT TO 52' LT				16														
TH95	629+05.00	38' LT TO 54' LT				18														
TH95	630+05.00	38' LT TO 57' LT				23														
TH95	630+65.03	54' LT		1																
TH95	630+82.76 TO 631+41.68	57' LT TO 97' LT				82														
TH95	630+84.34 TO 635+46.57	23' RT TO 38' RT					757		0.078	0.234	0.078	0.020	0.31	0.156	31.3		10.2			
TH95	630+89.09 TO 635+02.21	38' RT TO 44' RT					244		0.025	0.075	0.025	0.006	0.10	0.050		6		1.3		
TH95	630+89.09 TO 635+41.02	36' RT TO 54' RT									0.029	0.007	0.12	0.058		7		1.5	(9)	
TH95	631+68.73 TO 641+88.10	38' LT TO 167' LT					2600		0.269	0.806	0.269	0.067	1.07	0.537		64.5		14		
TH95	631+69.91 TO 633+73.38	39' LT TO 88' LT				267														
TH95	631+78.32 TO 644+53.21	25' LT TO 52' LT					1554		0.161	0.482	0.161	0.040	0.64	0.321	64.2		20.9			
TH95	632+82.57	72' LT		1																
TH95	634+73.00	39' LT TO 68' LT				32														
TH95	635+73.00	39' LT TO 63' LT				25														
SHEET 1 FINAL SUBTOTALS:																				
				2	119	1283	11539		1.1	3.29	1.22	0.31	4.88	2.44	257	138	84	30		

EROSION CONTROL AND TURF ESTABLISHMENT
SHEET 4 OF 5

PLOT NAME: d1307038_130tab
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\dl1307038_130tab.dgn
PLOTTED/REVISED: 2-JUL-2024

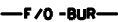
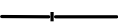
- NOTES:
- (1) 0.5 ACRE FOR EVERY 1 ACRE OF SOIL DISTURBANCE
 - (2) 1.5 ACRES FOR EVERY 1 ACRE OF SOIL DISTURBANCE
 - (3) 0.5 ACRE FOR EACH 1 ACRE SEEDED
 - (4) 0.125 GALLON FOR EACH ACRE OF WEED SPRAYING
 - (5) APPLIED AT THE RATE OF 2 TONS/ACRE
 - (6) APPLIED AT THE RATE OF 200 POUNDS/ACRE, ANALYSIS 22-5-10
 - (7) APPLIED AT THE RATE OF 120 POUNDS/ACRE, ANALYSIS 17-10-7
 - (8) APPLIED AT THE RATE OF 6,000 GALLONS/ACRE
 - (9) ADDITIONAL AREA FOR PERMANENT TURF ESTABLISHMENT WITHIN TEMPORARY GRADING LIMITS.

EROSION CONTROL & TURF ESTABLISHMENT																				E
ALIGNMENT	STATION TO STATION	LOCATION	STORM DRAIN INLET PROTECTION	CULVERT END CONTROLS	SILT FENCE, TYPE MS	SEDIMENT CONTROL LOG TYPE COMPOST	ROLLED EROSION PREVENTION CATEGORY 20	RAPID STABILIZATION METHOD 3	SUBSOILING	SOIL BED PREPARATION	WEED SPRAYING	WEED SPRAY MIXTURE	LIME	SEEDING	FERTILIZER TYPE 3	FERTILIZER TYPE 4	SEED MESIC INSLOPE	SEED SOUTHERN TALLGRASS ROADSIDE	NOTES	
			EACH	EACH	LIN FT	LIN FT	SQ YD	M GALLON	ACRE	ACRE	ACRE	GALLON	TON	ACRE	POUND	POUND	POUND	POUND		
			FINAL PROPOSED																	
TH95	635+75.40 TO 646+68.03	24' RT TO 39' RT					1808		0.187	0.560	0.187	0.047	0.75	0.374	74.7		24.3			
TH95	635+75.40 TO 643+22.67	39' RT TO 72' RT					797		0.082	0.247	0.082	0.021	0.33	0.165		19.8		4.3		
TH95	636+73.00	36' LT TO 68' LT				34														
TH95	637+73.00	35' LT TO 65' LT				32														
TH95	638+73.00	34' LT TO 64' LT				33														
TH95	639+73.00	33' LT TO 50' LT				20														
TH95	640+73.00	31' LT TO 49' LT				20														
TH95	641+45.31	43' LT		1																
TH95	641+56.74	43' LT	1																	
TH95	641+72.00 TO 644+62.28	45' LT TO 34' LT				294														
TH95	643+68.96 TO 646+68.03	39' RT TO 73' RT					514		0.053	0.159	0.053	0.013	0.21	0.106		12.8		2.8		
TH95	644+53.81	43' LT		1																
SHEET 2 FINAL SUBTOTALS:			1	2		433	3119		0.32	0.97	0.32	0.08	1.29	0.65	75	33	24	7		
TEMPORARY TOTALS:																				
SHEET 1 FINAL SUBTOTALS:				2	900	3341	582	7.6	0.06	0.18	0.06	0.02	0.23	0.12	16	5	5	1		
SHEET 2 FINAL SUBTOTALS:			1	2		433	3119		0.32	0.97	0.32	0.08	1.29	0.65	75	33	24	7		
TOTALS:																				
TOTALS:			1	7	1019	5057	15240	7.6	1.5	4.4	1.6	0.4	6.4	3.2	348	176	113	38		

EROSION CONTROL AND TURF ESTABLISHMENT
SHEET 5 OF 5

PLOT NAME: d1307038_135iup
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_135iup.dgn

PLOTTED/REVISED: 2-JUL-2024

LINE STYLES	
	INPLACE FIBER OPTIC BURIED
	INPLACE GAS LINE
	INPLACE OVERHEAD POWER
	INPLACE POWERLINE
	INPLACE POWER BURIED
	INPLACE SIGNAL BURIED
	INPLACE TELEPHONE BURIED
	INPLACE TELEVISION BURIED
	INPLACE SEWER PIPE (STORM)
	INPLACE SANITARY SEWER
	INPLACE WATER LINE
	INPLACE CULVERT
	INPLACE APRON
	INPLACE CATCH BASIN
	INPLACE DROP INLET
	INPLACE WATER VALVE
	INPLACE MANHOLE
	INPLACE FIRE HYDRANT
	INPLACE GAS VALVE
	INPLACE HANDHOLE
	INPLACE MANHOLE POLE PEDESTAL
	INPLACE METER
	INPLACE PEDESTAL
	INPLACE LIGHT POLE
	INPLACE POLE
	INPLACE TRAFFIC SIGNAL LIGHT

UTILITY ABBREVIATIONS	
F/O-BUR	= BURIED FIBER OPTIC
GAS	= BURIED GAS LINE
OHU	= OVERHEAD UTILITY LINE
P-BUR	= BURIED POWERLINE
TV-BUR	= BURIED TELEVISION
T-BUR	= BURIED TELEPHONE LINE
SIG-BUR	= BURIED SIGNAL LINE

UTILITY OWNERS	
THE FOLLOWING LIST SHOWS THE UTILITY COMPANIES INVOLVED IN THIS PROJECT	
CENTURYLINK	CENTURYLINK
EAST CENTRAL ENERGY	EAST CENTRAL ENERGY
MAGELLAN	MAGELLAN PIPELINE COMPANY
MIDCO	MIDCONTINENT COMMUNICATION
MINNESOTA ENERGY RESOURCES	MINNESOTA ENERGY RESOURCES CORPORATION

INPLACE UTILITIES TABULATION - POWER											
ALIGNMENT	STATION TO STATION	OFFSET (FT)	ITEMS INPLACE	OWNER	ACTION						NOTES
					LEAVE AS IS	ADJUST	PROTECT	REMOVE	RELOCATE	LEAVE AS IS/OUT OF SERVICE	
TH95	630+72 TO 631+91	83' LT TO 78' RT	OHP	EAST CENTRAL ENERGY		X					(1)
TH95	630+79 TO 631+94	91' LT TO 79' RT	P-BUR	EAST CENTRAL ENERGY		X					(2)
TH95	631+91	83' LT	POLE	EAST CENTRAL ENERGY					X		
TH95	631+94	91' LT	PEDESTAL	EAST CENTRAL ENERGY					X		

INPLACE UTILITIES TABULATION - COMMUNICATION											
ALIGNMENT	STATION TO STATION	OFFSET (FT)	ITEMS INPLACE	OWNER	ACTION						NOTES
					LEAVE AS IS	ADJUST	PROTECT	REMOVE	RELOCATE	LEAVE AS IS/OUT OF SERVICE	
TH95	630+00 TO 631+86	77' LT TO 67' LT	F/O BURIED	CENTURY LINK		X					(2)
TH95	631+63	57' LT	PEDESTAL	CENTURY LINK					X		
TH95	630+64 TO 631+92	103' LT TO 87' RT	F/O BURIED	CENTURY LINK		X					(2)
TH95	630+68 TO 631+85	72' LT TO 83' RT	F/O BURIED	MIDCO		X					(2)
TH95	631+33.93	59' RT	HAND HOLE	CENTURY LINK	X						
TH95	631+85	72' LT	VAULT	MIDCO					X		
TH95	631+86 TO 642+86	73' LT TO 77' LT	F/O BURIED	MIDCO		X					(2)
TH95	631+86	77' LT	PEDESTAL	MIDCO					X		

INPLACE UTILITIES TABULATION - GAS											
ALIGNMENT	STATION TO STATION	OFFSET (FT)	ITEMS INPLACE	OWNER	ACTION						NOTES
					LEAVE AS IS	ADJUST	PROTECT	REMOVE	RELOCATE	LEAVE AS IS/ OUT OF SERVICE	
TH95	629+79 TO 631+06	76' LT TO 93' RT	GAS	MINNESOTA ENERGY RESOURCES	X						
TH95	636+40 TO 636+54	75' LT TO 202' LT	GAS	MINNESOTA ENERGY RESOURCES	X						
TH95	642+32 TO 642+65	106' LT TO 75' RT	GAS	MAGELLAN	X						

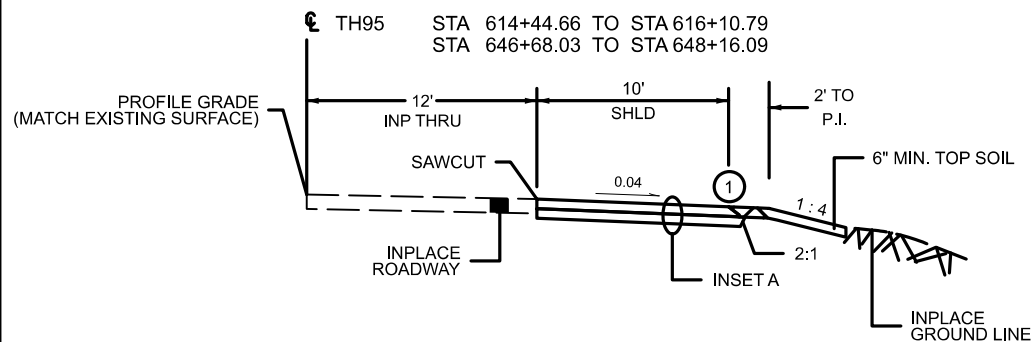
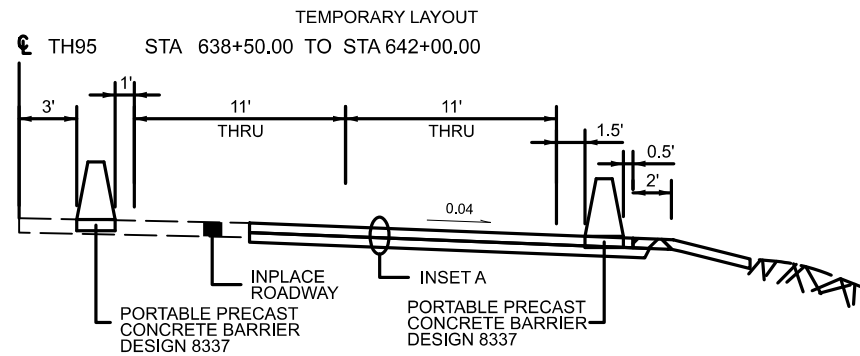
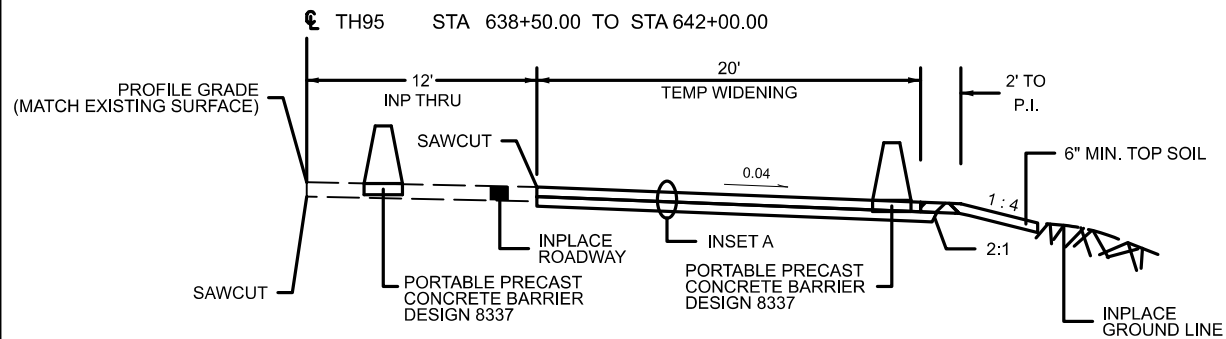
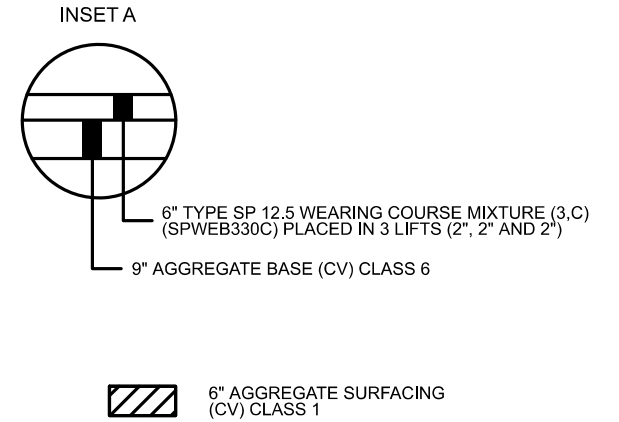
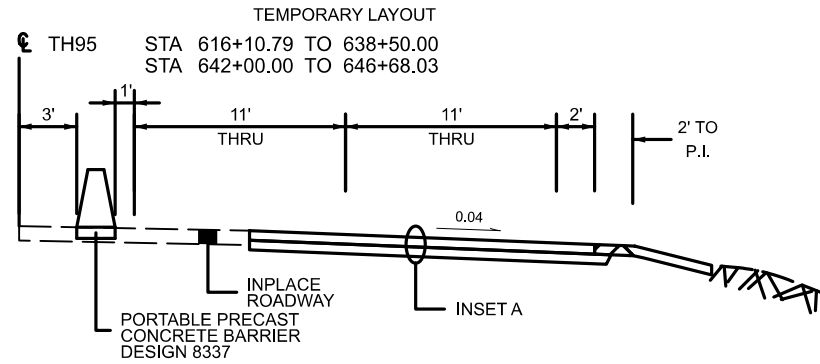
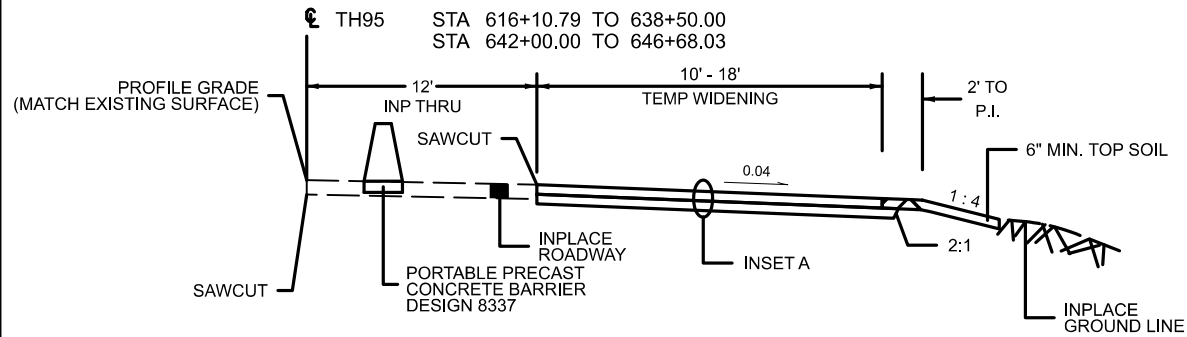
- NOTES:
- (1) ADJUST LINE DUE TO POLE RELOCATE
 - (2) ADJUST VERTICALLY DUE TO DRAINAGE WORK

- GENERAL NOTES:
- ALL UTILITY WORK SHOWN ON THIS SHEET ARE WITHIN CLOSE PROXIMITY TO CONSTRUCTION AND SHALL BE DONE BY OTHERS UNLESS NOTED.
 - THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C1/ASCE 38-22, ENTITLED 'STANDARD GUIDELINES FOR THE INVESTIGATING AND DOCUMENTING EXISTING UTILITIES'.
 - ALL POWER LINES ARE DISTRIBUTION UNLESS NOTED OTHERWISE.

2-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_145typ
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_145typ.dgn



NOTES:

① BITUMINOUS SAFETY EDGE, SEE DETAILS ON STANDARD PLAN SHEET 5-297.220.

GENERAL NOTES:

ALL CROSS SLOPES SHOWN ARE IN FT. PER FT.

UNLESS OTHERWISE SPECIFIED, THE GRADING GRADE CROSS SLOPE WILL BE THE SAME AS THE PROPOSED DRIVING SURFACE.

FOR LANE WIDTHS SEE CONSTRUCTION PLAN AND FOR CROSS SLOPES SEE DRAINAGE, TURF AND EROSION CONTROL PLANS.

SHEET 1 OF 2



Chad Casey
CHAD CASEY
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

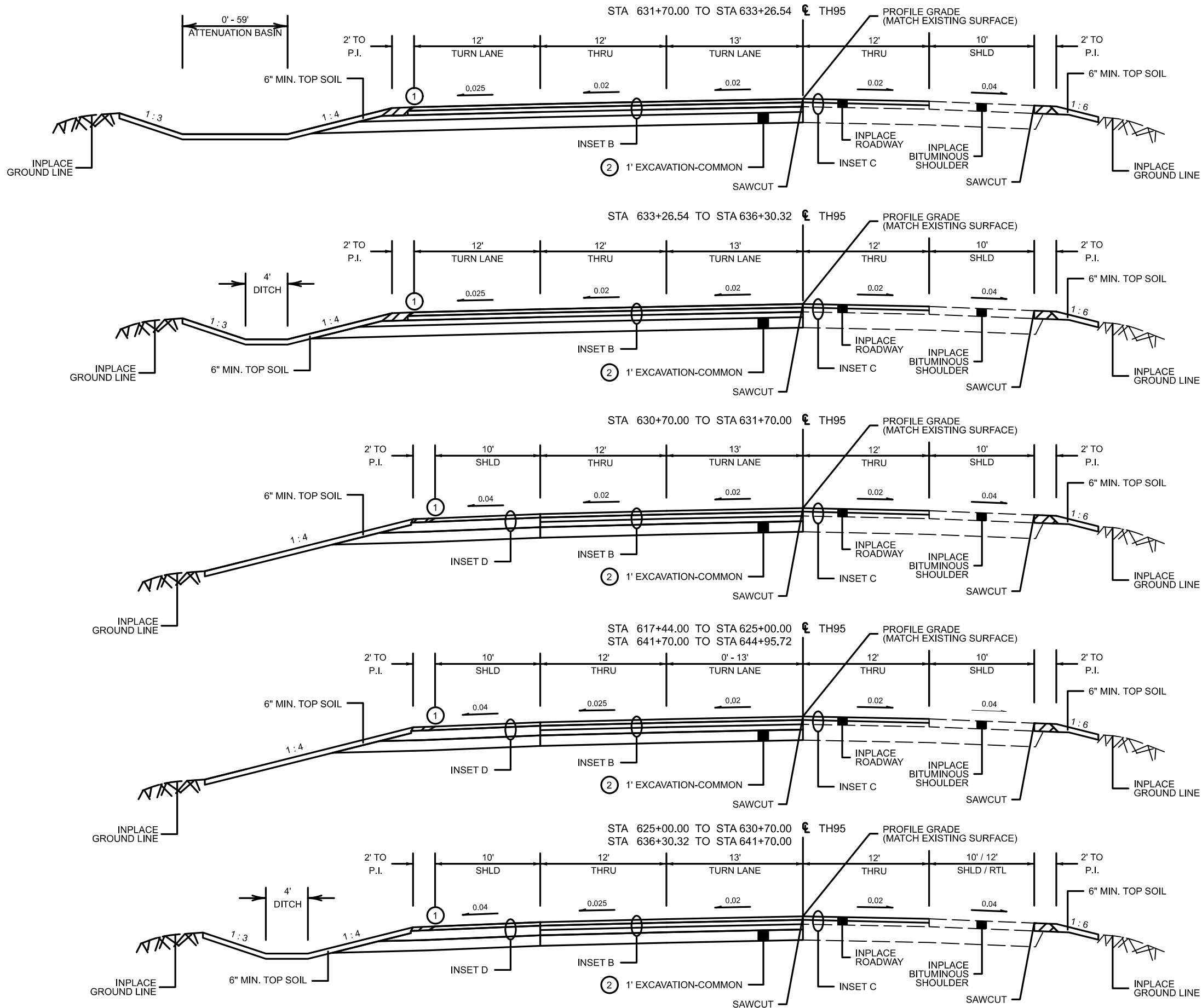
TYPICAL SECTIONS

STATE PROJ. NO. 1307-38	SHEET NO. 12
(T.H. 95)	TOTAL SHEETS 65

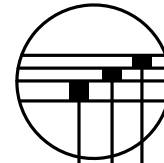
2-JUL-2024

PLOTTED/REVISED:

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PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\d1307038_145typ.dgn

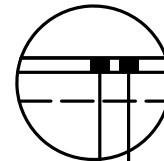


INSET B



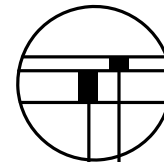
4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C) (SPWEB340C) PLACED IN 2 LIFTS (2" AND 2")
5" TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B) (SPNWB330B) PLACED IN 2 LIFTS (2" AND 3")
6" AGGREGATE BASE (CV) CLASS 6

INSET C



4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C) (SPWEB340C) PLACED IN 2 LIFTS (2" AND 2")
MILL BITUMINOUS SURFACE (4")

INSET D



4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C) (SPWEB330C) PLACED IN 2 LIFTS (2" AND 2")
11" AGGREGATE BASE (CV) CLASS 6

6" AGGREGATE SURFACING (CV) CLASS 1

NOTES:

- 1 BITUMINOUS SAFETY EDGE, SEE DETAILS ON STANDARD PLAN SHEET 5-297.220.
- 2 BACKFILL WITH SELECT GRANULAR EMBANKMENT (CV)

GENERAL NOTES:

ALL CROSS SLOPES SHOWN ARE IN FT. PER FT.

UNLESS OTHERWISE SPECIFIED, THE GRADING GRADE CROSS SLOPE WILL BE THE SAME AS THE PROPOSED DRIVING SURFACE.

FOR LANE WIDTHS SEE CONSTRUCTION PLAN AND FOR CROSS SLOPES SEE DRAINAGE, TURF AND EROSION CONTROL PLANS.

SHEET 2 OF 2



Chad Casey
CHAD CASEY
LICENSED PROFESSIONAL ENGINEER

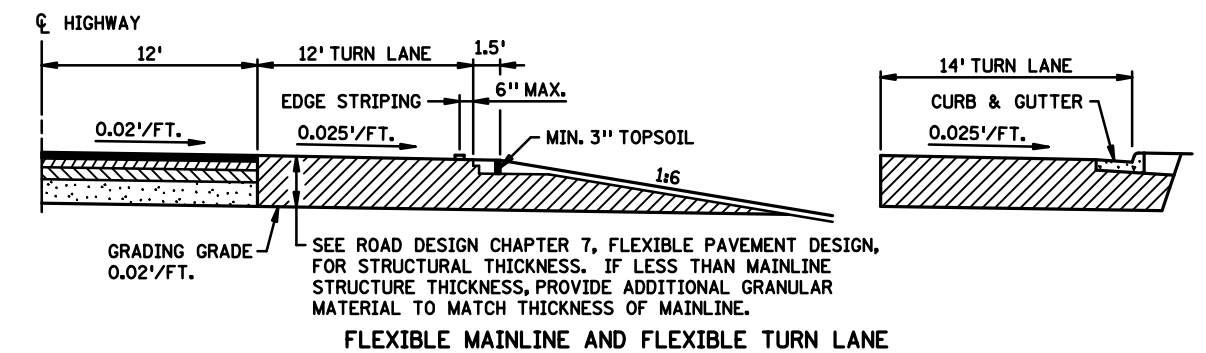
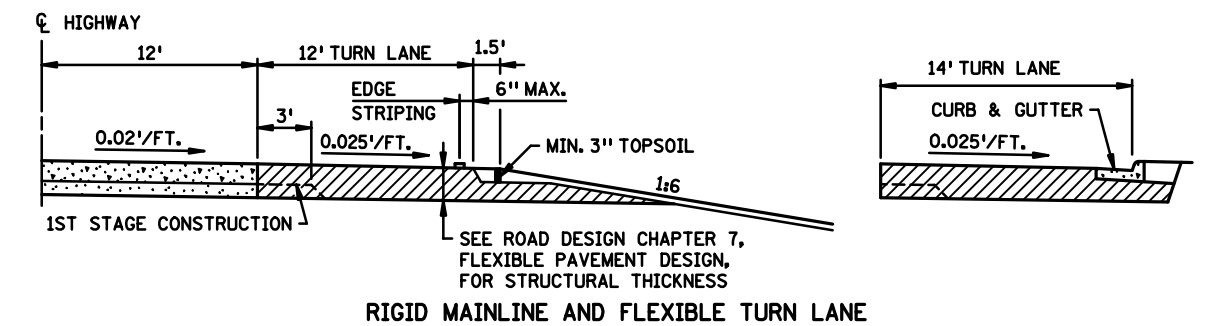
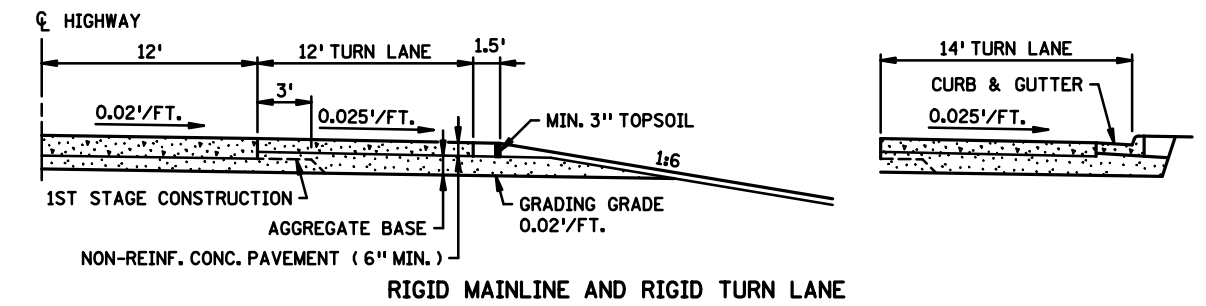
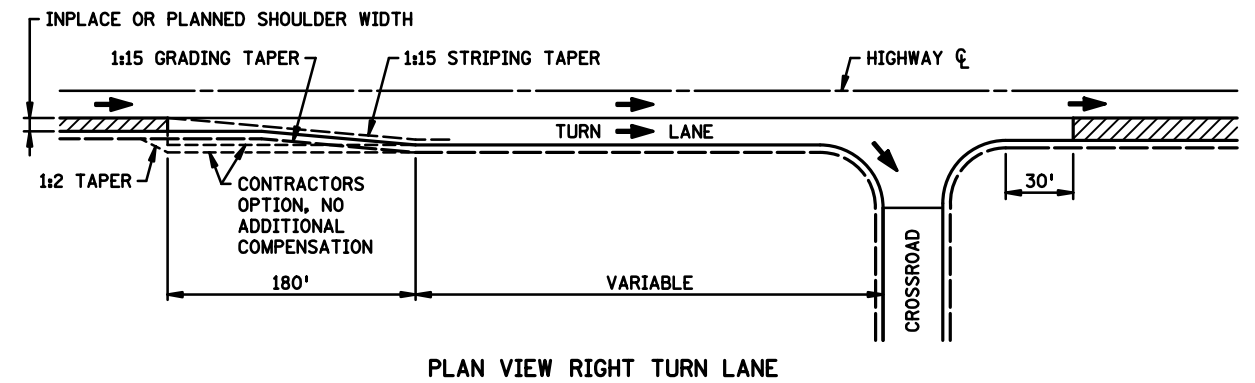
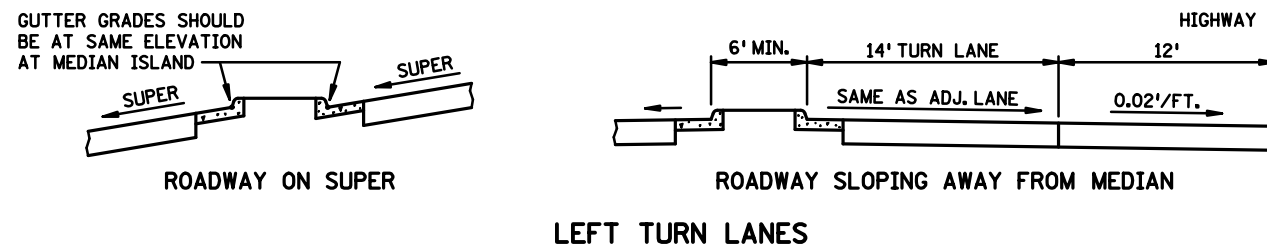
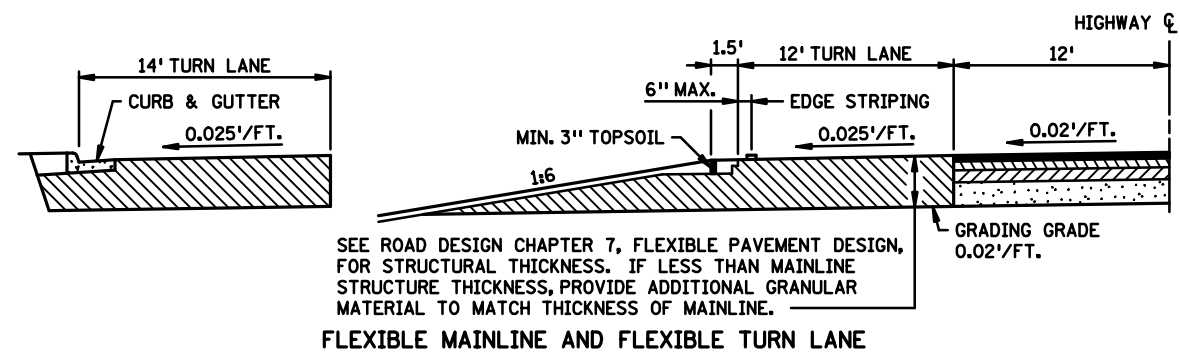
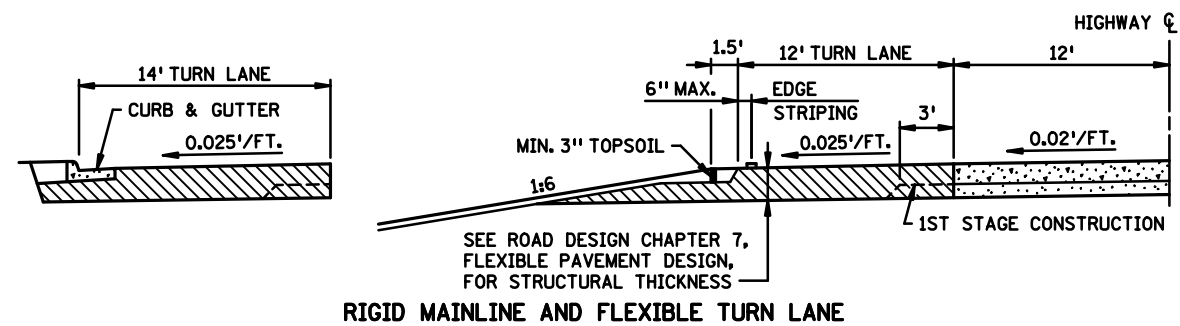
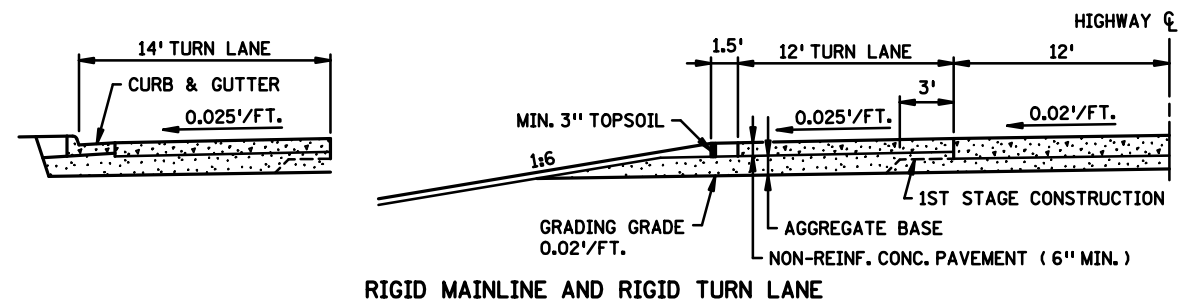
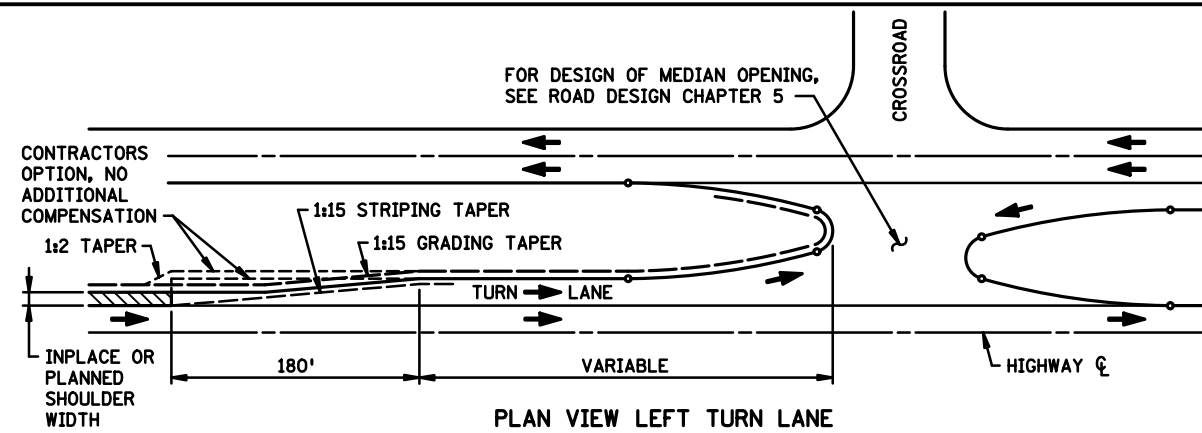
Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

TYPICAL SECTIONS

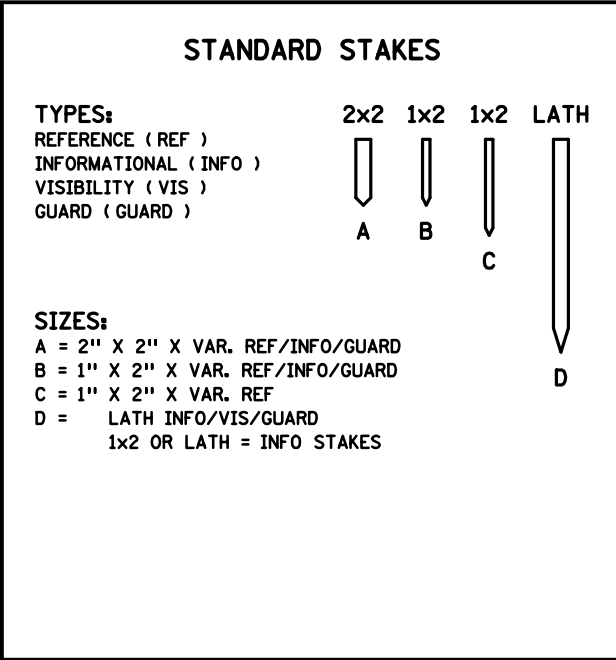
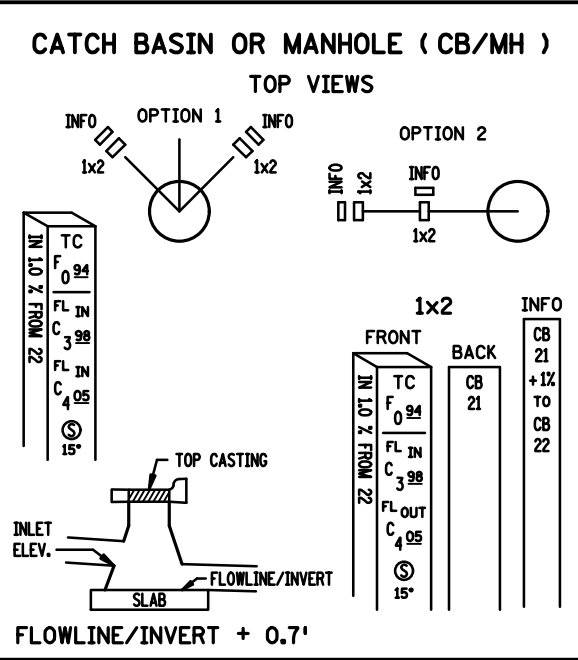
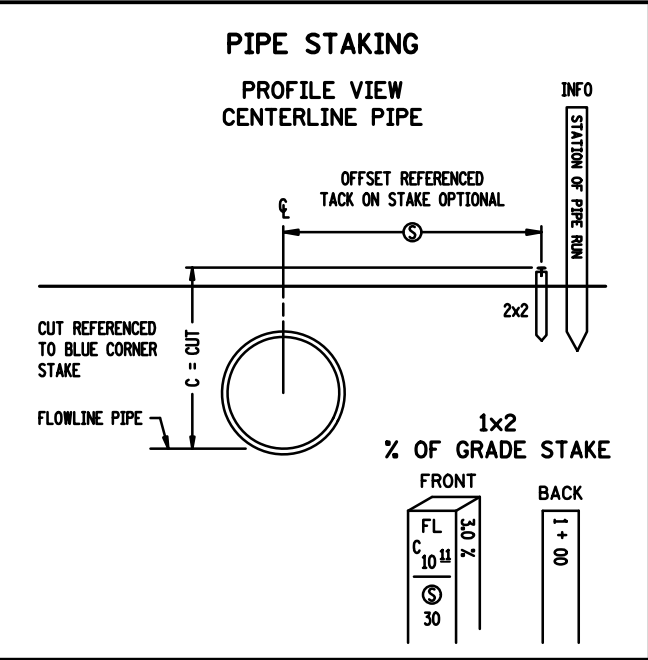
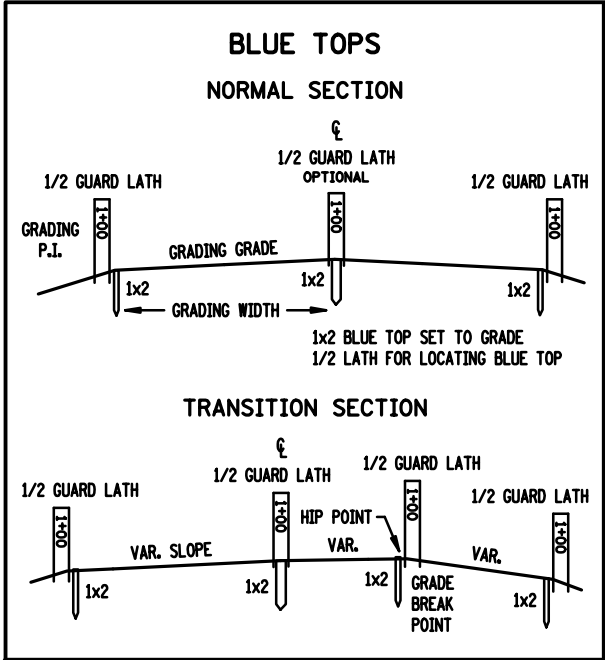
STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 13
TOTAL SHEETS 65



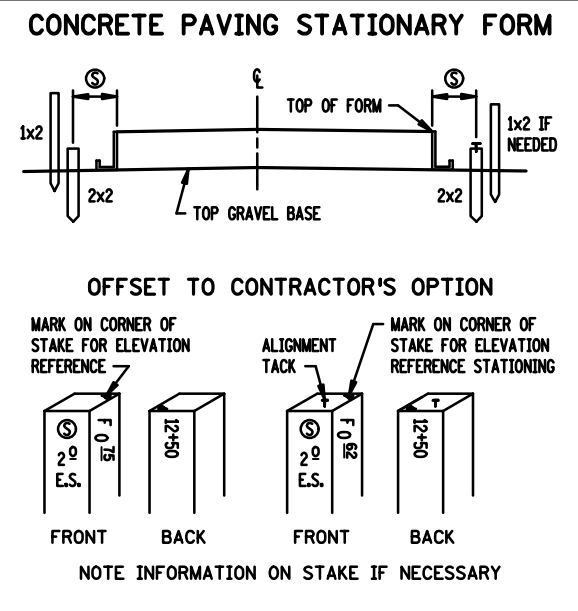
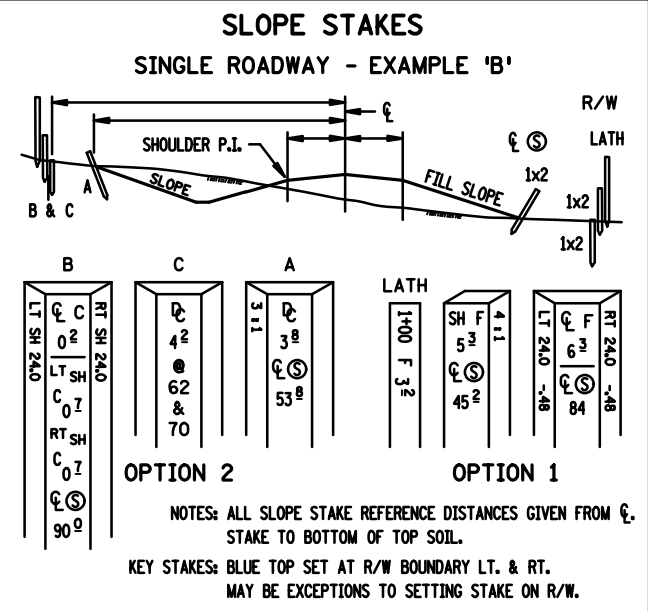
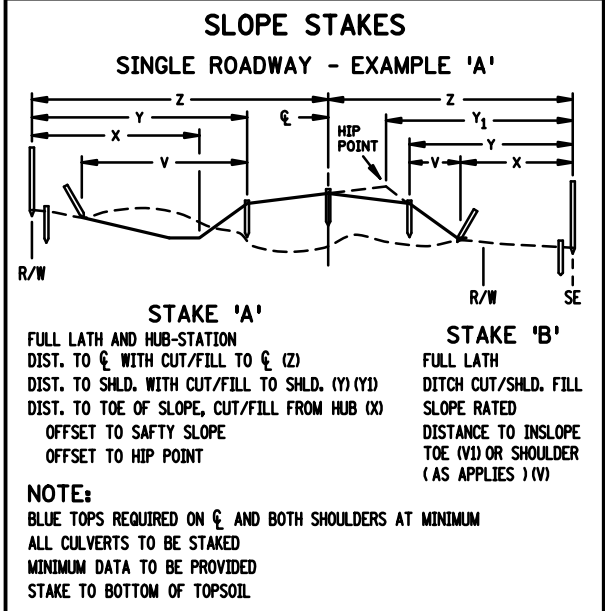
RIGHT TURN LANES

LEAD EXPERT OFFICE		RIGHT AND LEFT TURN LANES	APPROVED: 05-27-2014 REVISED:	 CHRISTOPHER ROY STATE DESIGN ENGINEER	STANDARD PLAN 5-297.111	1 OF 1
			STANDARD PLANS	STATE PROJ. NO. 1307-38		SHEET NO. 14
				(T.H. 95)		TOTAL SHEETS 65



ABBREVIATIONS

BBL = BARREL (PIPE)	HH = HANDHOLE
B.C. = BACK CURB	HP = HIP POINT
C & G = CURB & GUTTER	LT = LEFT
C = CUT	MH = MANHOLE
CAP = CORR. ALUM. PIPE	NB = NORTHBOUND
CB = CATCH BASIN	⊙ = OFFSET
CL = CENTERLINE	PAR = PARCEL
CL & GR = CLEAR & GRUB	% = PERCENT GRADE
CMP = CORR. METAL PIPE	P.E. = PERM. EASEMENT
COR = CORNER	RAD = RADIUS POINT
CR = CROWN	RCP = REINF. CONC. PIPE
CSP = CORR. STEEL PIPE	RP = REFERENCE POINT
CL = DITCH CUT	RSC = REINF. SECT. CONC.
D.E. = DRAINAGE EASEMENT	RT = RIGHT
DI = DROP INLET	R/W = RIGHT OF WAY
EB = EASTBOUND	SB = SOUTHBOUND
E.M. = EDGE BITUMINOUS MAT	SCP = SECT. CONC. PIPE
E.S. = EDGE CONCRETE SLAB	SH = SHOULDER
F = FILL	TC = TOP CASTING
FF = FRONT FACE	OR TOP CURB
FL = FLOW LINE	T.E. = TEMP. EASEMENT
FL IN = FLOWLINE INLET	3:1 = SLOPE (EXAMPLE)
FL OUT = FLOWLINE OUTLET	WB = WESTBOUND
GR = GRADE	WP = WORKING POINTS
GW = GRADING WIDTH	



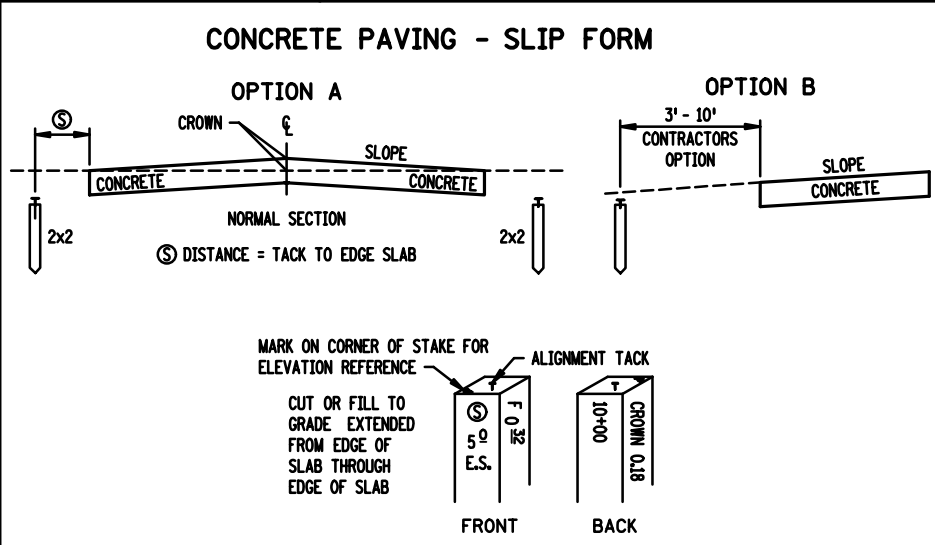
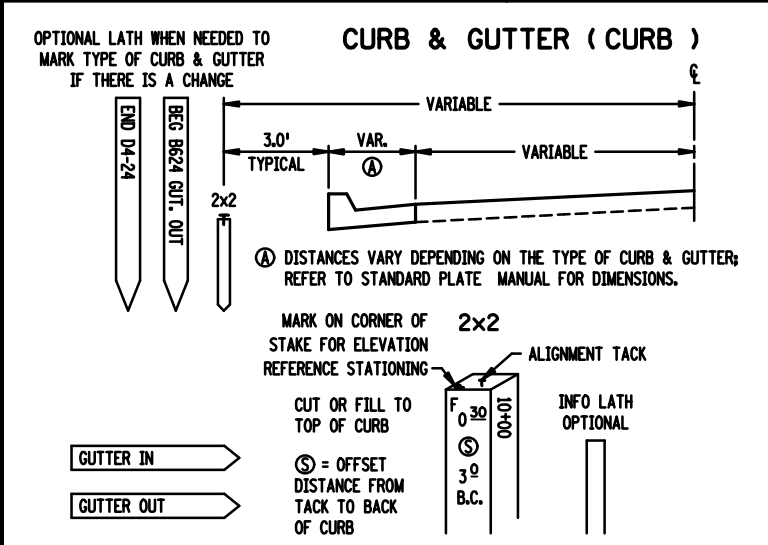
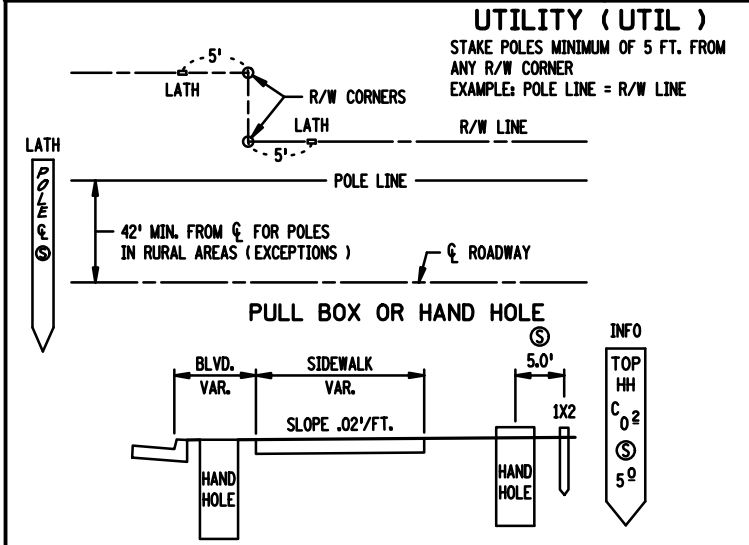
RECOMMENDED STAKING INTERVALS
FIGURE A

	SLOPE STAKES	SUB GRADE B.T.	CLASS MATERIAL B.T.	CONC PAVT	C & G	CL & GR LIMITS	MUCK EXC.	R/W	TEMP. EASE.
TANGENT	100	100	100	50	50	ALL CORNERS	100	ALL CORNERS	ALL CORNERS
HORIZ. CURVE									
0 - 3'	100	100	100	50	50	ALL CORNERS	100	ALL CORNERS	ALL CORNERS
OVER 3' -	100	50	50	25	25	ALL CORNERS	100	ALL CORNERS	ALL CORNERS
VERT. CURVE									
M' 100' CHORD 0 - .25	100	100	100	50	50				
M' OVER .25	100	50	50	25	25				
TRAN.		50	50						

STAKING TOLERANCES (FEET)

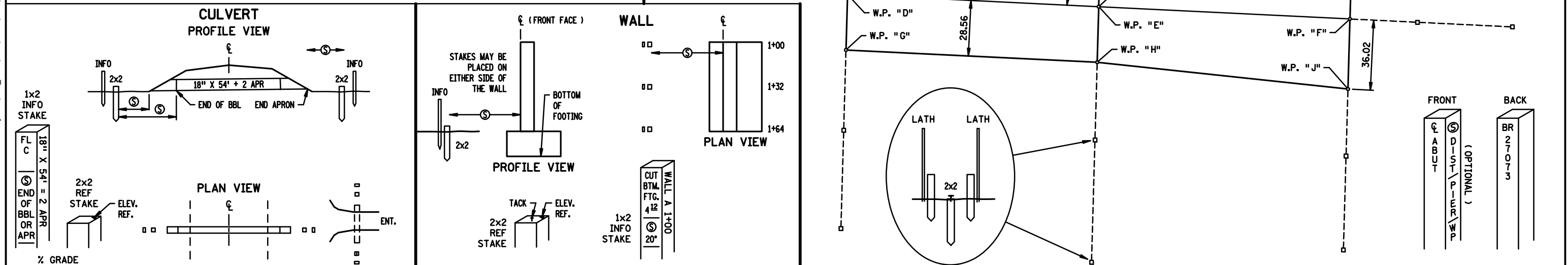
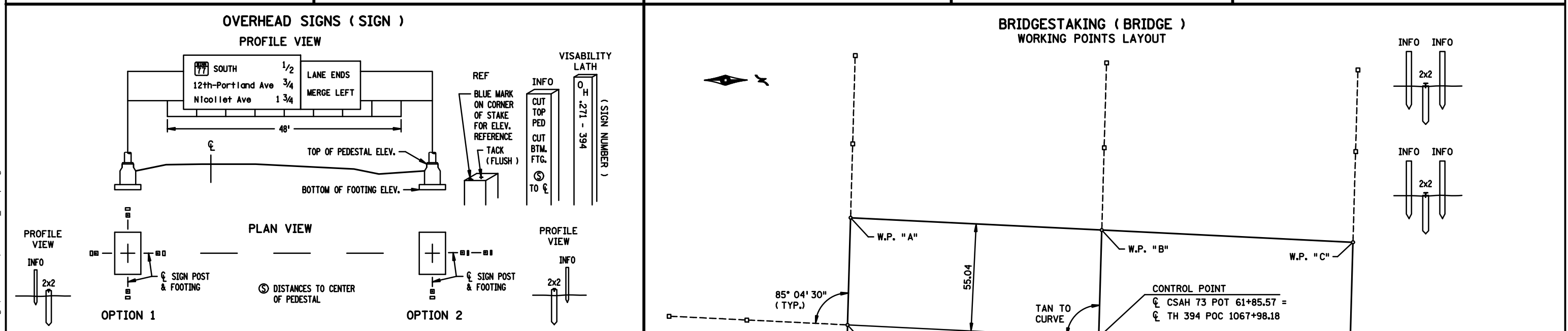
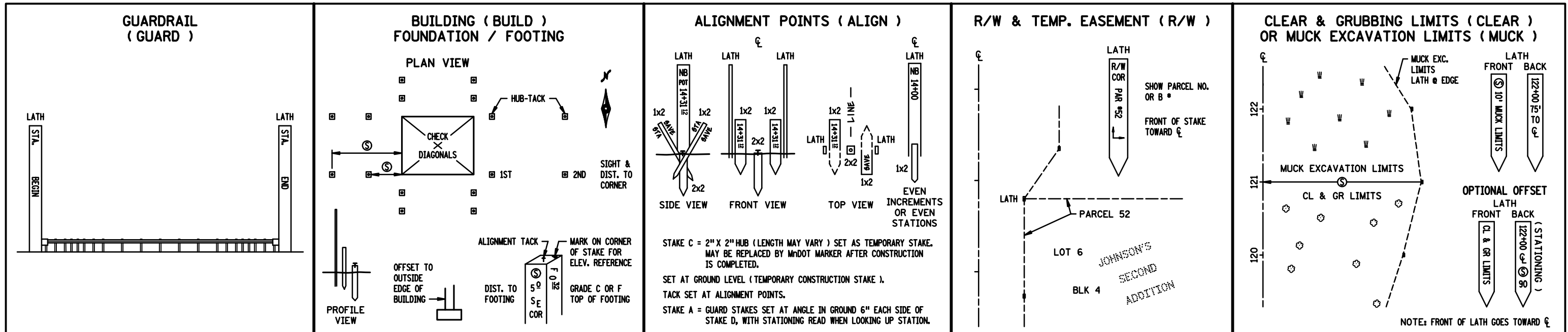
	HORIZONTAL	VERTICAL
CONSTRUCTION LIMITS	± 1.5	
CLEARING & GRUBBING	2.0	
SLOPE STAKES	2.0	± 0.2
KEY STAKES	0.2	0.03
DRAINAGE STAKES	0.05	0.05
CURB & GUTTER	0.07	0.03
PAVING	0.05	0.03
ALIGNMENT	0.07	
UTILITY	0.10	0.05
STRUCTURAL	0.02	0.02
GUARD RAIL	0.5	
BUILDINGS	0.04	
O.H. SIGNS	0.05	0.05
MUCK EXCAVATION LIMITS	2.0	
R/W B-POINTS	0.10	
NOISE WALLS	1.0	0.5

THE TOLERANCES ARE RELATIVE TO PROJECT DATUM



DISCLAIMER

THESE STAKING INFORMATION SHEETS ARE FOR INFORMATION PURPOSES ONLY. STAKING PROCEDURES VARY AND MAY BE SUBJECT TO CHANGE DURING CONSTRUCTION BY CIRCUMSTANCES AND/OR AGREEMENTS BETWEEN SURVEY CREW AND CONTRACTOR.

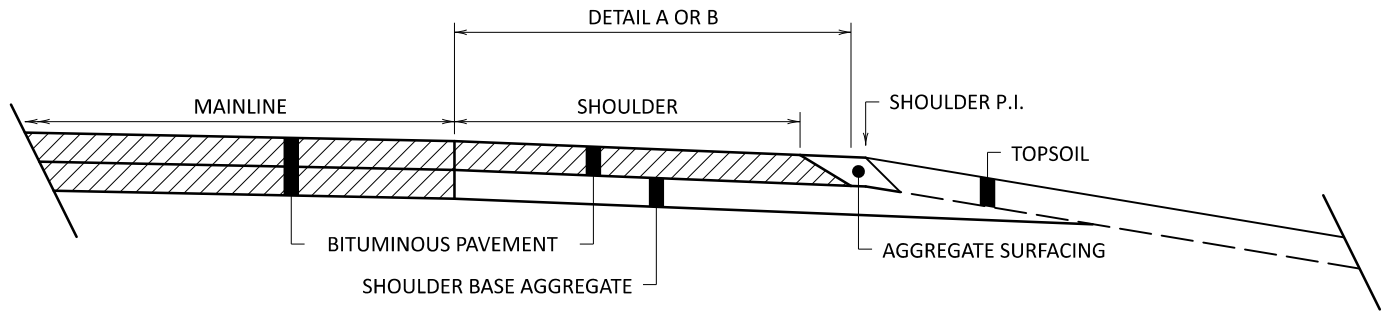


LEAD EXPERT OFFICE BRYAN DODDS DIRECTOR OFFICE OF LAND MANAGEMENT		STAKING INFORMATION SHEET	APPROVED: 08-06-2014 REVISED:	 CHRISTOPHER ROY STATE DESIGN ENGINEER	STANDARD PLAN 5-297.115	2 OF 2
					STATE PROJ. NO. 1307-38	SHEET NO. 16
			STANDARD PLANS	(T.H. 95)		TOTAL SHEETS 65

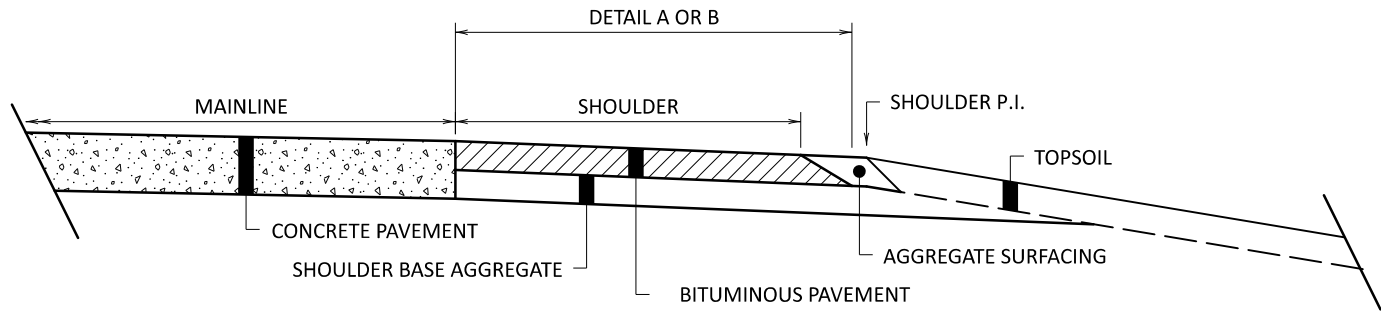
21-MAY-2024

PLOTTED/REVISED:

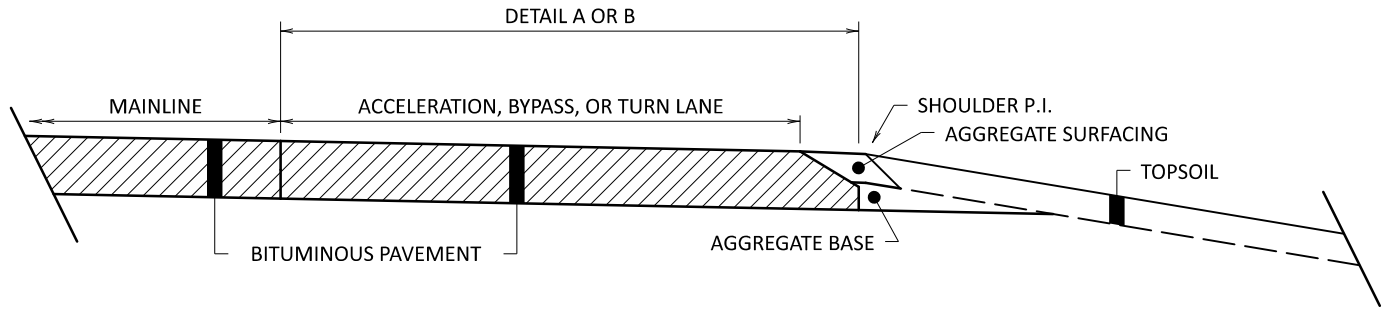
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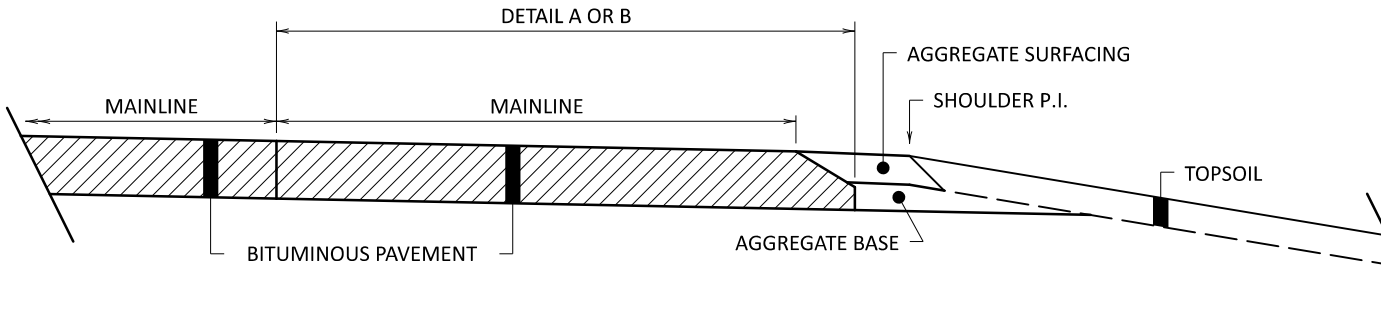
BITUMINOUS PAVEMENT WITH BITUMINOUS SHOULDERS (8' OR LESS)



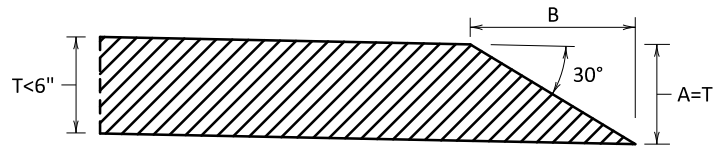
CONCRETE PAVEMENT WITH BITUMINOUS SHOULDERS (8' OR LESS)



BITUMINOUS PAVEMENT WITH ACCELERATION LANES, BYPASS LANES OR TURN LANES

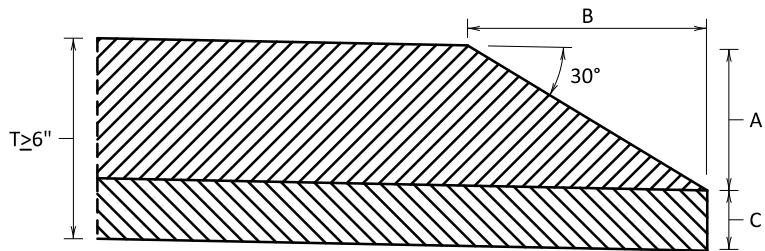


BITUMINOUS PAVEMENT WITH AGGREGATE SHOULDERING



DETAIL A
PAVEMENT THICKNESS < 6"

FOR BITUMINOUS PAVEMENT THICKNESS < 6"	
PAVEMENT THICKNESS, T	B
2"	3.5"
3"	5.2"
4"	6.9"
5"	8.7"



DETAIL B
PAVEMENT THICKNESS ≥ 6"

FOR BITUMINOUS PAVEMENT THICKNESS ≥ 6"			
PAVEMENT THICKNESS, T	A	B	C
6"	5"	8.7"	1"
8"	5"	8.7"	3"
10"	5"	8.7"	5"
12"	5"	8.7"	7"

NOTES:

CONSTRUCT THE SAFETY EDGE ALONG ALL BITUMINOUS PAVEMENT EDGES ADJACENT TO AGGREGATE SURFACING. THIS INCLUDES:

- MAINLINE ROADWAYS
- SHOULDERS 8' WIDE OR LESS
- RAMPS AND LOOPS
- ACCELERATION, BYPASS AND TURN TURN LANES

CONSTRUCT THE SAFETY EDGE USING A MANUFACTURED SHOE DEVICE ATTACHED TO THE PAVING MACHINE. A SINGLE-PLATE STRIKE-OFF METHOD IS NOT ALLOWED.

PROVIDE THE SAFETY EDGE ALONG THE ROADWAY THROUGH UNPAVED ENTRANCES SUCH AS FARM ACCESSES, UNPAVED DRIVEWAYS, AND GRAVEL ROAD ACCESSES. FOR PAVED PUBLIC ENTRANCES AND PAVED DRIVEWAYS, STOP THE SAFETY EDGE AND MATCH THE PROPOSED CONSTRUCTED PAVEMENT TO THE EXISTING CONDITIONS OR FOLLOW THE DESIGN PLANS. SHORT SECTIONS OF HANDWORK MAY BE NECESSARY FOR TRANSITIONS AND TURNOUTS.

SAFETY EDGE IS OPTIONAL FOR PAVED SHOULDER WIDTHS GREATER THAN 8'.

SEE TYPICAL SECTIONS FOR SAFETY EDGE PLACEMENT LOCATIONS.

THE SAFETY EDGE IS ADDED TO THE OUTSIDE OF THE REQUIRED BITUMINOUS TOP SURFACE WIDTH SHOWN IN THE PLANS.

LEAD
EXPERT
OFFICE

CURT TURGEON
DIRECTOR
OFFICE OF MATERIALS
& ROAD RESEARCH

SAFETY EDGE
BITUMINOUS PAVEMENT

APPROVED: 02-21-2024
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.220

2 OF 2

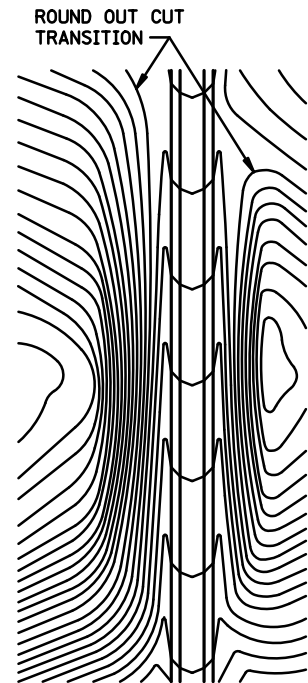
STANDARD PLANS

STATE PROJ. NO. 1307-38

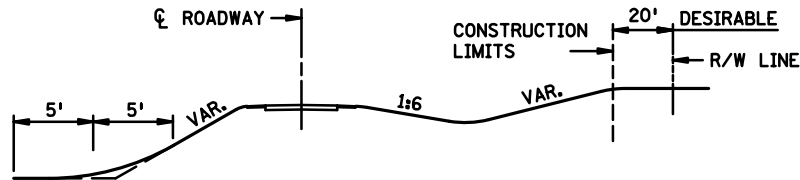
SHEET NO. 17

(T.H. 95)

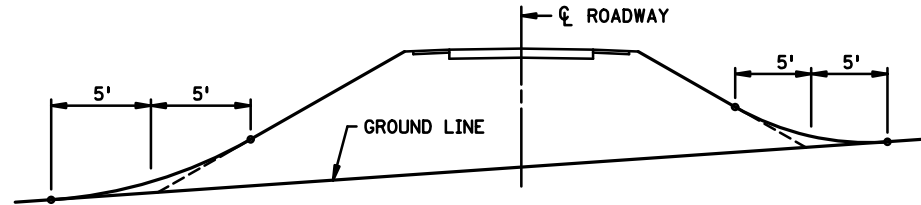
TOTAL SHEETS 65



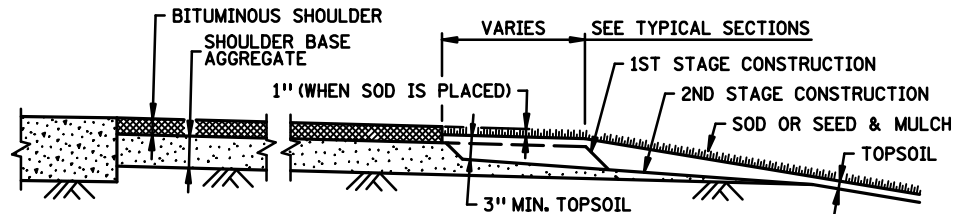
CONTOURING ROAD CUTS



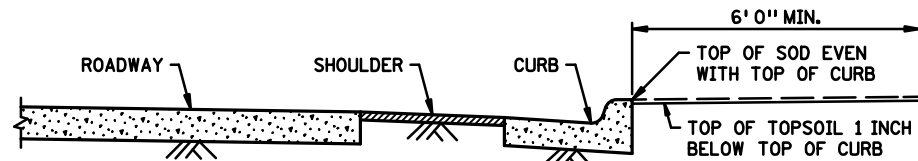
ROUNDING SHOULDERS AND BACKSLOPES



SHAPING FOR DRAINAGE ALONG THE TOE OF FILL SLOPES

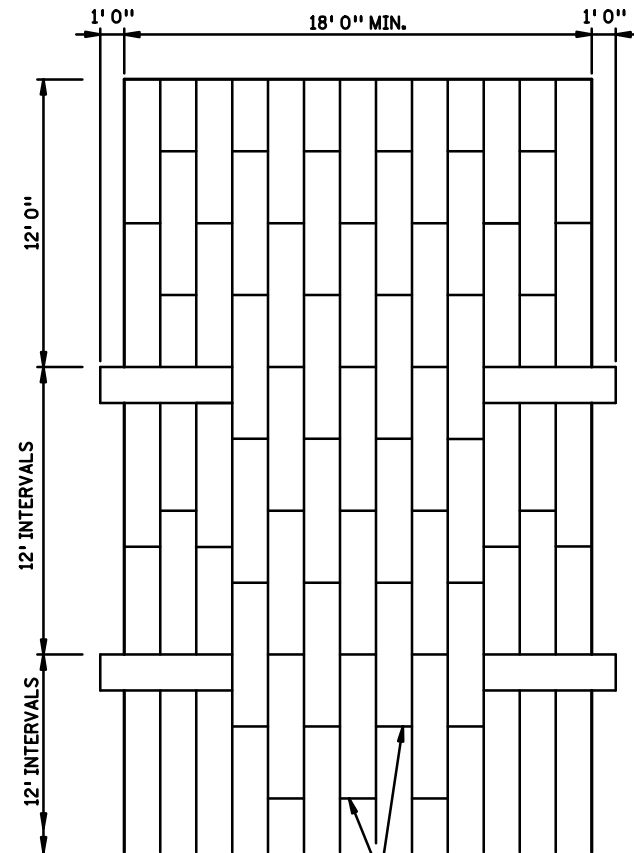


SHAPING AND TOPSOILING INSLOPES

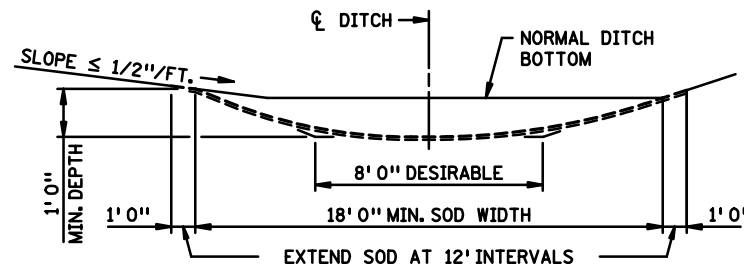


SHAPING ADJACENT TO CURBS WHEN SOD IS PLACED

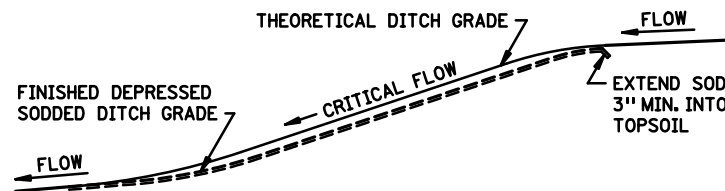
NOTES:
SEE SPEC. 2575.3 FOR ADDITIONAL INFORMATION.
① CONSTRUCT TAPER AS DIRECTED BY THE ENGINEER.



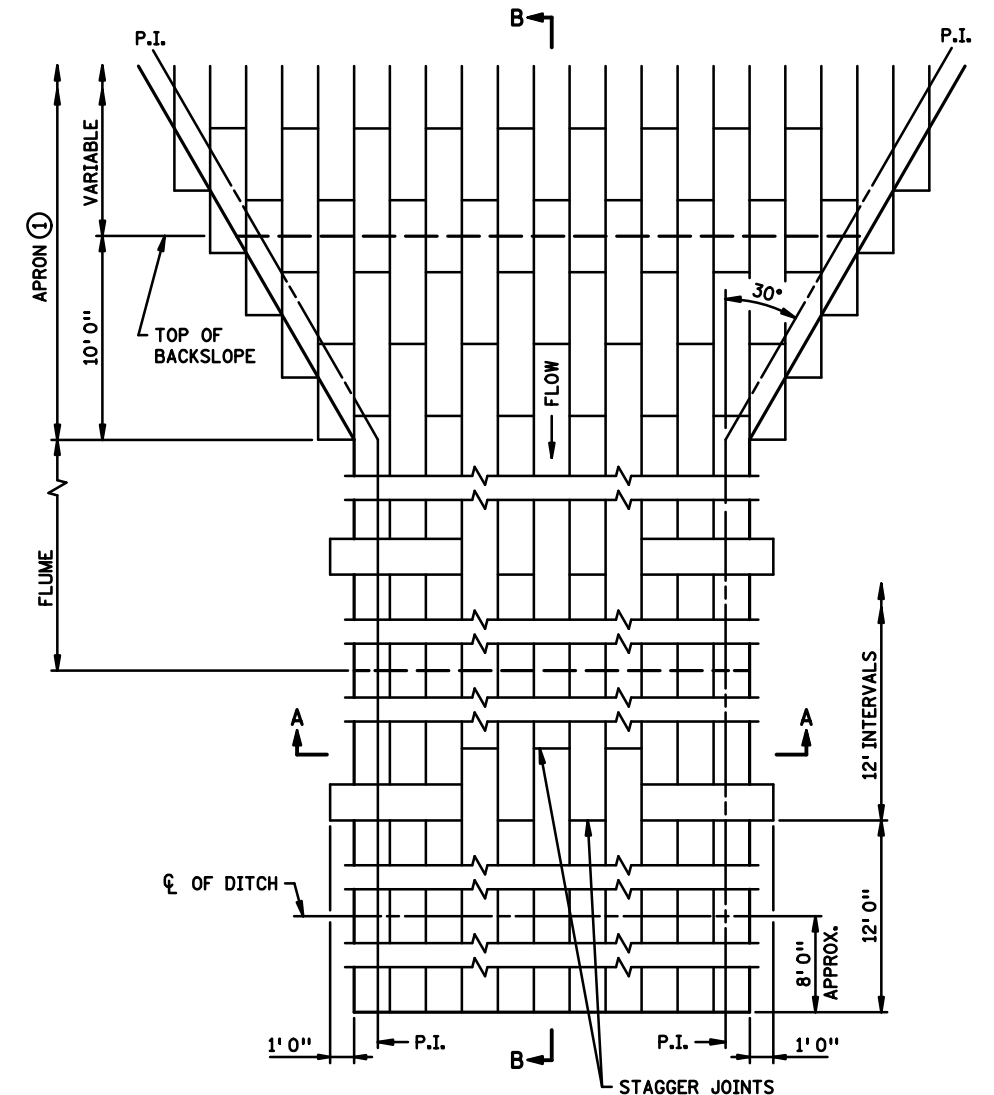
STAGGER JOINTS
PLAN VIEW



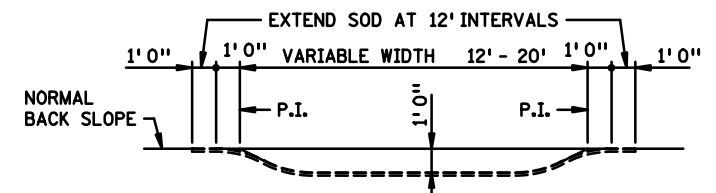
SODDED DITCH CROSS SECTION
WHERE FRONT OR BACK SLOPE IS FLAT (LESS THAN 1/2"/FT.), FIRST NOTCH DITCH AND THEN PROVIDE ROUNDING.



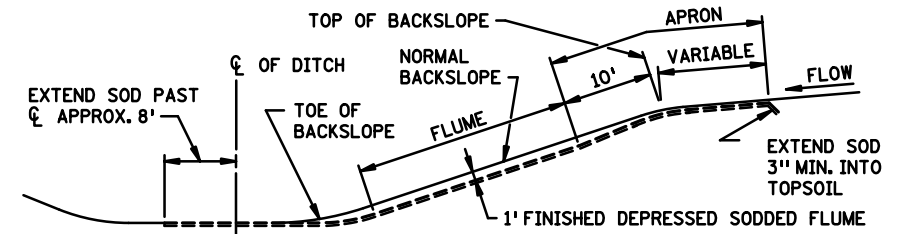
DITCH PROFILE
SODDED DITCH DETAILS



PLAN VIEW



SECTION A-A



SECTION B-B

SODDED FLUME DETAILS

LEAD EXPERT OFFICE
LYNN CLARKOWSKI
CHIEF ENVIRONMENTAL OFFICER
OFFICE OF ENVIRONMENTAL STEWARDSHIP

PERMANENT EROSION CONTROL
ALONG ROADWAYS, DITCHES AND FLUMES

APPROVED: 02-28-2017
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD PLAN
5-297.404

1 OF 3

STANDARD PLANS

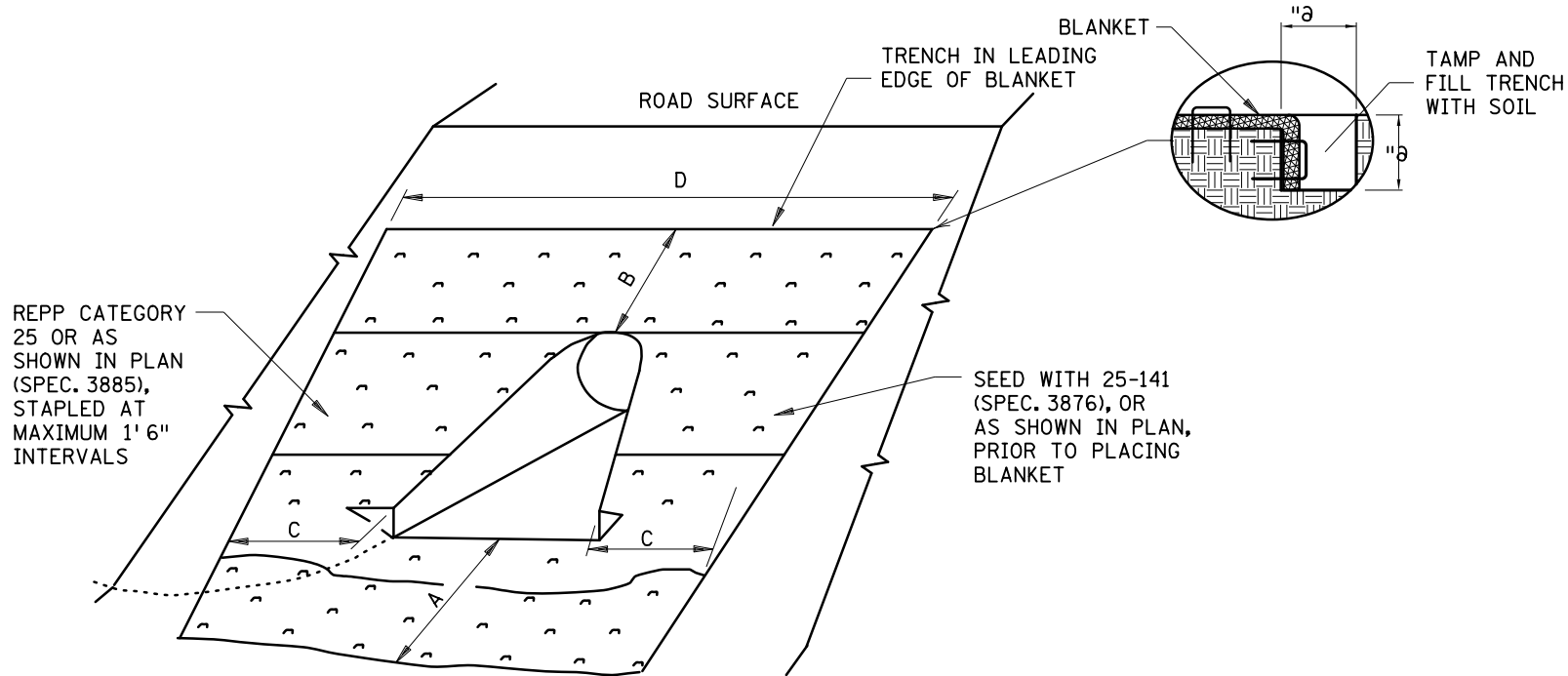
STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 18
TOTAL SHEETS 65

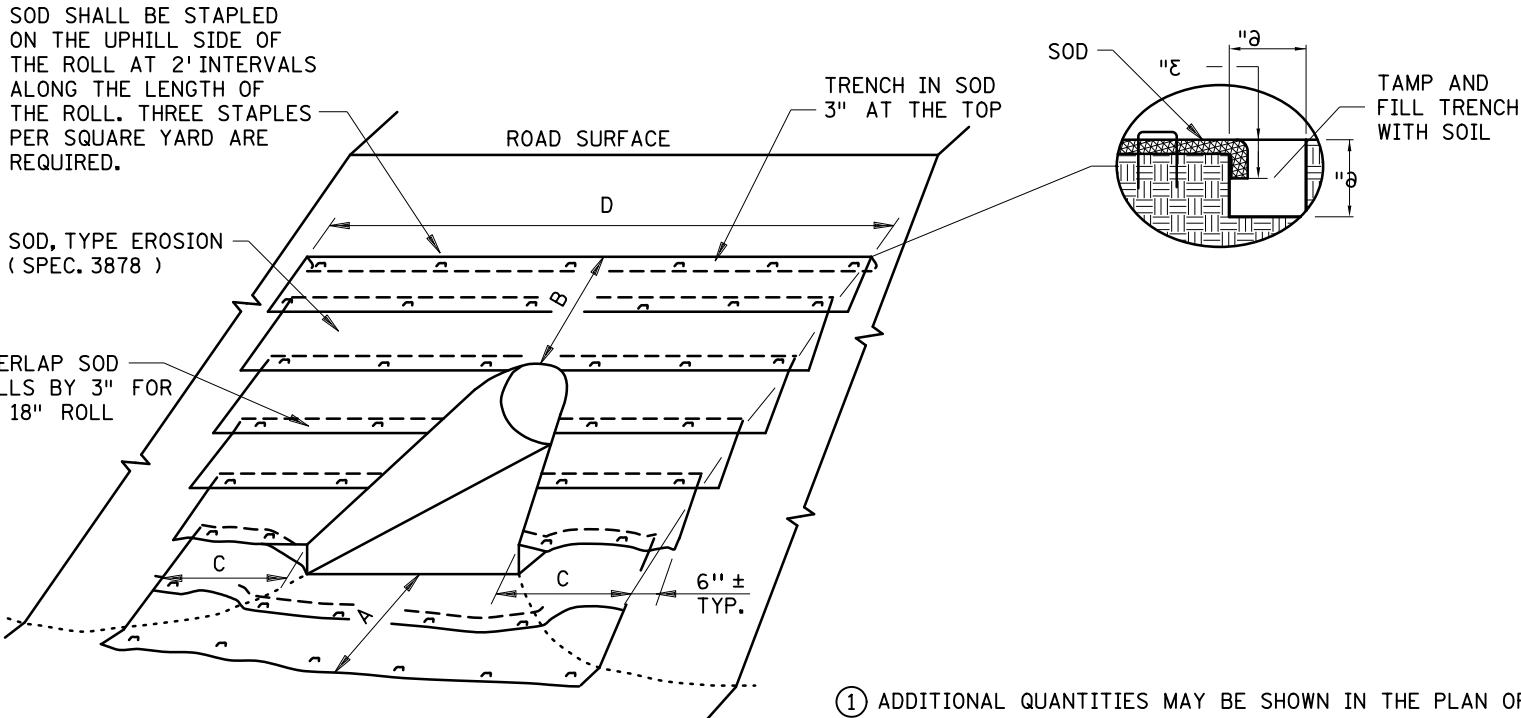
21-MAY-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_155spn
PATH & FILENAME: Projects\DM_ROMS\0951307\038\Design\PlanSheets\dl307038_155spn.dgn



ROLLED EROSION PREVENTION PRODUCT (BLANKET) & SEED DETAIL



- ① ADDITIONAL QUANTITIES MAY BE SHOWN IN THE PLAN OR REQUIRED BY THE ENGINEER.
② FOR ARCH PIPE USE CLOSEST CIRCULAR PIPE DIAMETER AND APRON SLOPE. DIAMETERS LARGER THAN 72" REQUIRE SPECIAL DESIGNS.

CULVERT INLET APRON ①								
CULVERT DIAMETER ②	SOD OR REPP (SQ. YDS.)						"A"	"B"
	CIRCULAR AND ARCH PIPE METAL APRON (PLATE 3123, PLATE 3122)	CIRCULAR AND ARCH PIPE CONCRETE APRON (PLATE 3100, PLATE 3110)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:4 SLOPE (PLATE 3148)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:6 SLOPE (PLATE 3148)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:6 SLOPE (PLATE 3128)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:4 SLOPE (PLATE 3128)		
15"	9	9	8	8	N/A	N/A	3'	1.5'
18"	13	12	12	14	16	N/A	3'	3'
21"	14	14	14	16	18	14	3'	3'
24"	16	15	16	19	21	17	3'	3'
27"	N/A	20	N/A	N/A	N/A	N/A	3'	4.5'
30"	23	22	25	30	32	N/A	3'	4.5'
36"	34	34	39	48	51	37	4.5'	4.5'
42"	43	40	51	64	N/A	N/A	4.5'	6'
48"	54	50	66	82	N/A	N/A	4.5'	7.5'
54"	65	58	81	102	N/A	N/A	4.5'	9'
60"	69	59	91	115	N/A	N/A	4.5'	9'
66"	69	63	N/A	N/A	N/A	N/A	4.5'	9'
72"	78	72	99	122	N/A	N/A	4.5'	10.5'

CULVERT OUTLET APRON ①								
CULVERT DIAMETER ②	SOD OR REPP (SQ. YDS.)						"A"	"B"
	CIRCULAR AND ARCH PIPE METAL APRON (PLATE 3123, PLATE 3122)	CIRCULAR AND ARCH PIPE CONCRETE APRON (PLATE 3100, PLATE 3110)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:4 SLOPE (PLATE 3148)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON 1:6 SLOPE (PLATE 3148)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:6 SLOPE (PLATE 3128)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON 1:4 SLOPE (PLATE 3128)		
15"	10	10	9	10	N/A	N/A	4.5'	1.5'
18"	13	13	12	14	15	N/A	6'	1.5'
21"	16	14	16	18	19	15	6'	1.5'
24"	18	18	18	21	22	18	7.5'	1.5'
27"	N/A	19	N/A	N/A	N/A	N/A	7.5'	1.5'
30"	23	23	24	28	29	N/A	9'	1.5'
36"	36	35	38	47	48	37	10.5'	1.5'
42"	43	40	47	58	N/A	N/A	12'	1.5'
48"	50	46	57	70	N/A	N/A	13.5'	1.5'
54"	57	50	67	84	N/A	N/A	15'	1.5'
60"	74	63	90	113	N/A	N/A	16.5'	1.5'
66"	75	67	N/A	N/A	N/A	N/A	16.5'	1.5'
72"	77	70	92	114	N/A	N/A	16.5'	1.5'

NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

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.

LEAD
EXPERT
OFFICE

MARNI KARNOWSKI
CHIEF ENVIRONMENTAL OFFICER
OFFICE OF
ENVIRONMENTAL STEWARDSHIP

PERMANENT EROSION CONTROL
TURF ESTABLISHMENT DETAIL AT CULVERT ENDS

APPROVED: 01-08-2020
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.404

2 OF 3

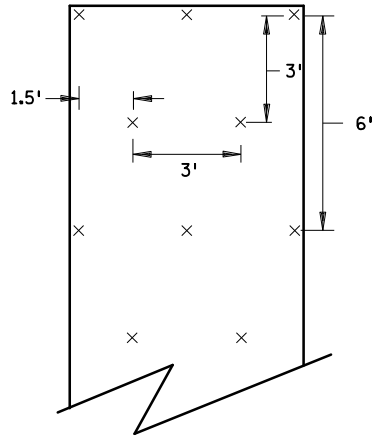
STANDARD PLANS

STATE PROJ. NO. 1307-38

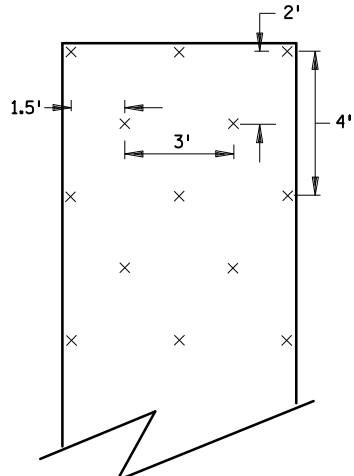
SHEET NO. 19

(T.H. 95)

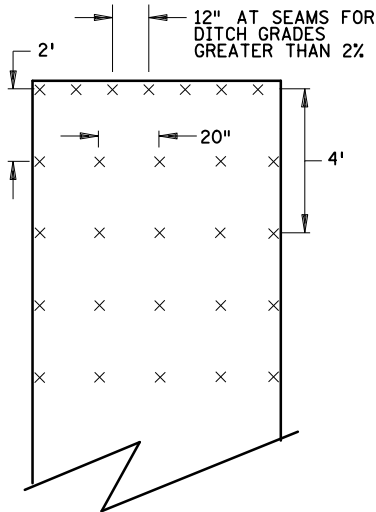
TOTAL SHEETS 65



SLOPES FLATTER THAN 1:2
120 STAPLES PER 100 SQ YD

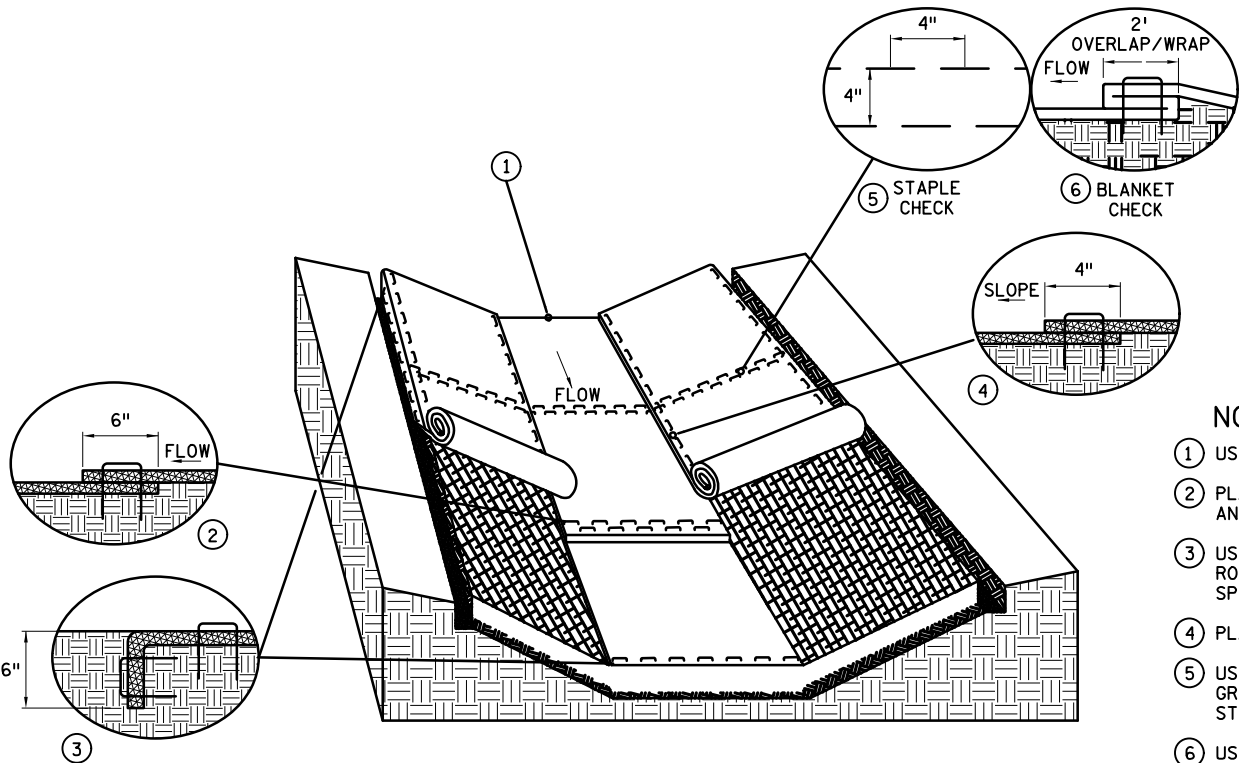


SLOPES 1:2 TO 1:1
170 STAPLES PER 100 SQ YD

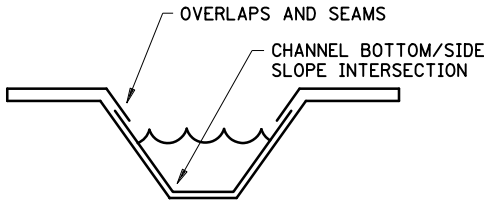


CHANNEL AND DITCH APPLICATIONS
350 STAPLES PER 100 SQ YD

BLANKET STAPLE PATTERN



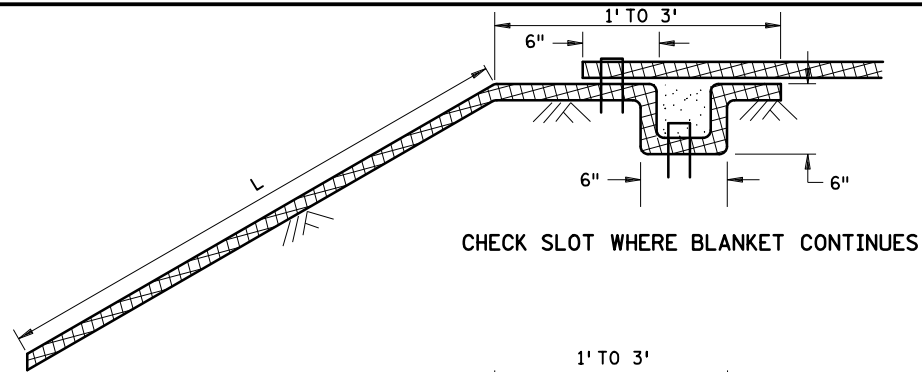
DITCH BLANKET STAPLE DETAIL



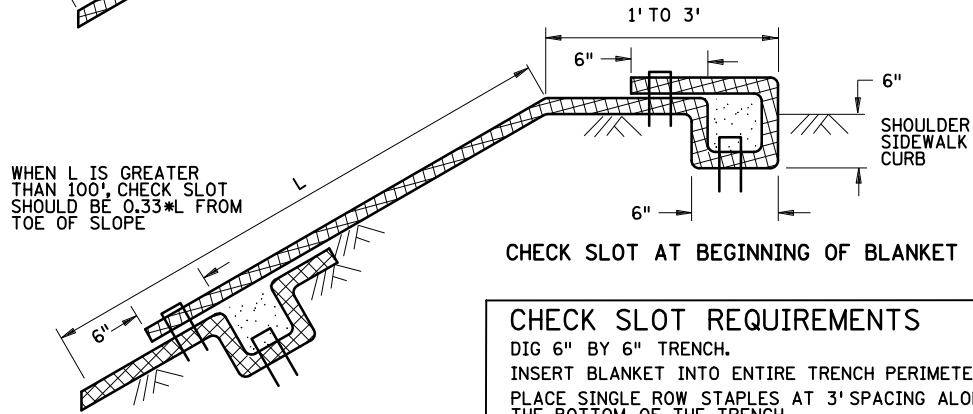
DITCH BLANKET CRITICAL POINTS ⑦

NOTES:

- ① USE CHECK SLOT DETAIL (NO ALTERNATES).
- ② PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER.
- ③ USE 6" X 6" TRENCH TO PLACE BLANKET. PLACE SINGLE ROW OF STAPLES ON TOP AND TRENCH SIDES AT 12" SPACING. BACKFILL TRENCH WITH SOIL AND TAMP.
- ④ PLACE SINGLE ROW OF STAPLES AT 12" SPACING.
- ⑤ USE STAPLE CHECK FOR CHANNEL SLOPES LESS THAN 2.5% GRADE AT 100' INTERVALS. PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND AT 4" SPACING.
- ⑥ USE BLANKET CHECKS FOR THE FOLLOWING SLOPES:
2.5%-3% 100' INTERVALS
3%-5% 50' INTERVALS
5%-7% 25' INTERVALS
- ⑦ CRITICAL POINTS SHALL BE SECURED WITH PROPER STAPLE PATTERNS.



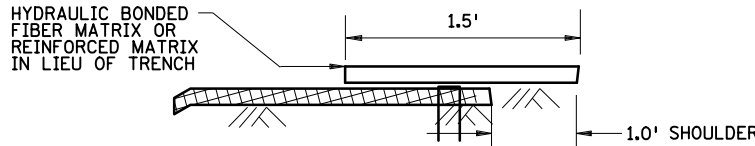
CHECK SLOT WHERE BLANKET CONTINUES



CHECK SLOT AT BEGINNING OF BLANKET

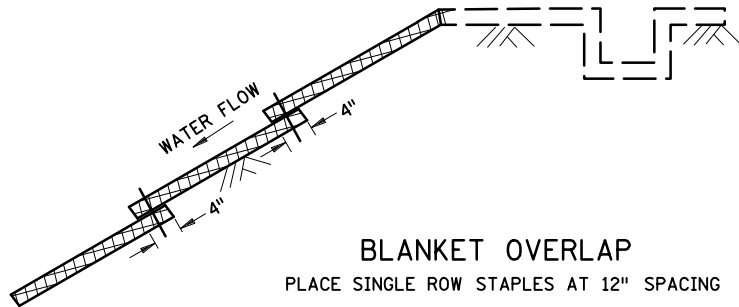
CHECK SLOT REQUIREMENTS

DIG 6" BY 6" TRENCH.
INSERT BLANKET INTO ENTIRE TRENCH PERIMETER.
PLACE SINGLE ROW STAPLES AT 3' SPACING ALONG THE BOTTOM OF THE TRENCH.
BACKFILL TRENCH WITH SOIL AND TAMP.
PLACE SINGLE ROW STAPLES AT 3' SPACING ON OVERLAP.



CHECK SLOT ALTERNATIVE
PLACE SINGLE ROW STAPLES AT 12" SPACING

CHECK SLOT DETAILS



BLANKET OVERLAP
PLACE SINGLE ROW STAPLES AT 12" SPACING

GENERAL BLANKET INSTALLATION REQUIREMENTS

REPP = ROLLED EROSION PREVENTION PRODUCT.
PREPARE SOIL AS PER SPECIFICATION 2574.
LAY PARALLEL OR PERPENDICULAR TO THE DIRECTION OF WATER FLOW.
OVERLAP ADJACENT STRIP EDGES A MINIMUM OF 4".
OVERLAP BLANKET 6" (MINIMUM) AT EACH END. OVERLAP BOTTOM END OF UPPER BLANKET OVER TOP END OF LOWER BLANKET. STAPLE ALONG OVERLAP EVERY 1.5'.
THE UPPERMOST BLANKET OF ALL SLOPE APPLICATIONS MUST START IN A CHECK SLOT. IF SLOPE LENGTH (L) IS 100' OR GREATER, INSERT BLANKET INTO A CHECK SLOT 1/2 FROM THE BOTTOM OF THE SLOPE.

LEAD
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PERMANENT EROSION CONTROL
REPP (BLANKET) STAPLE PATTERN FOR SLOPES

APPROVED: 01-08-2020
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

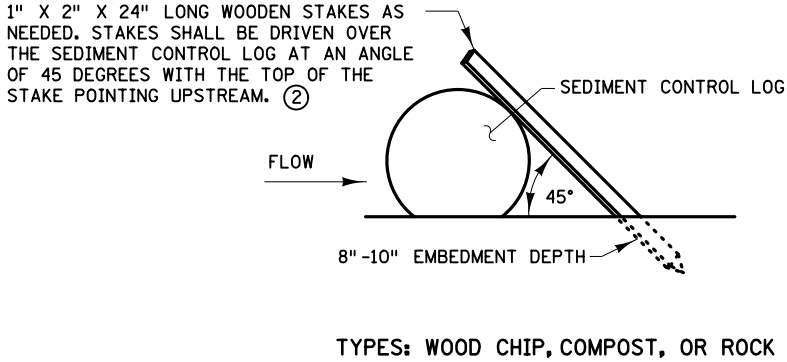
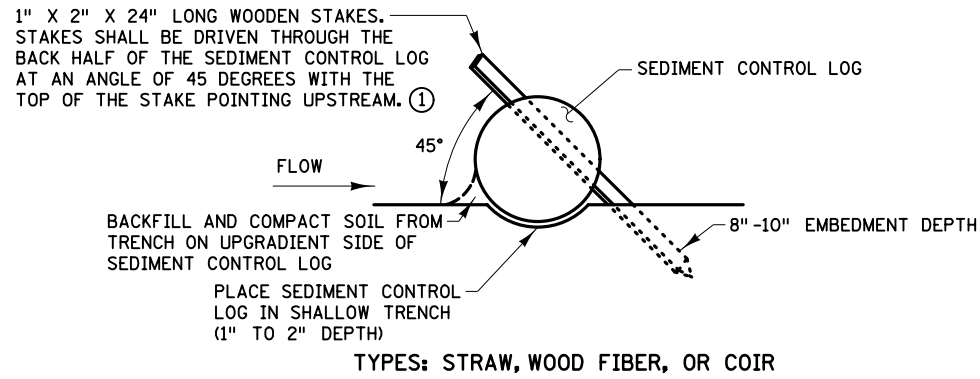
STANDARD
PLAN
5-297.404

3 OF 3

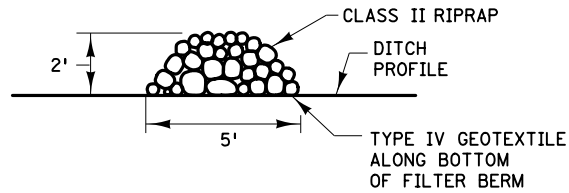
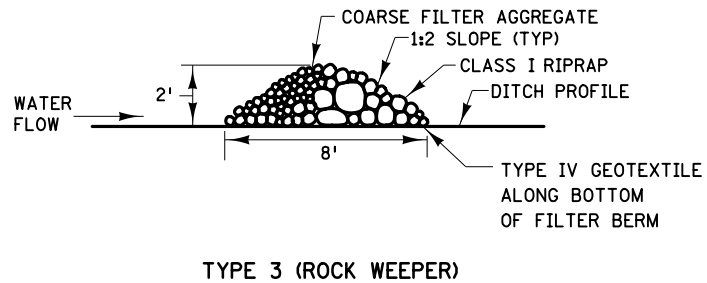
STANDARD PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

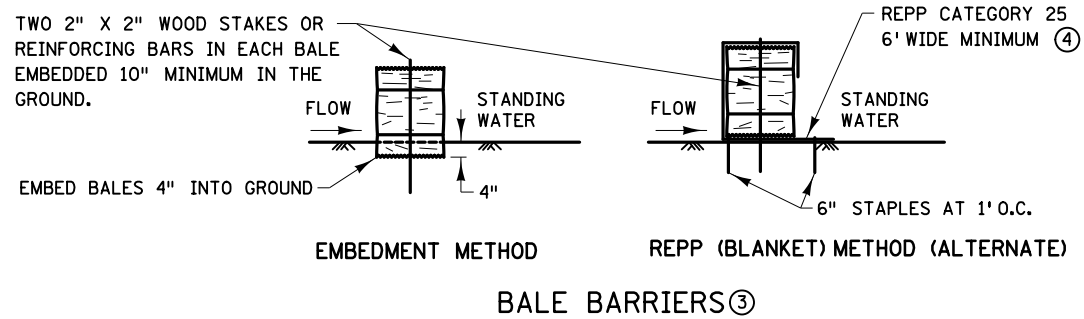
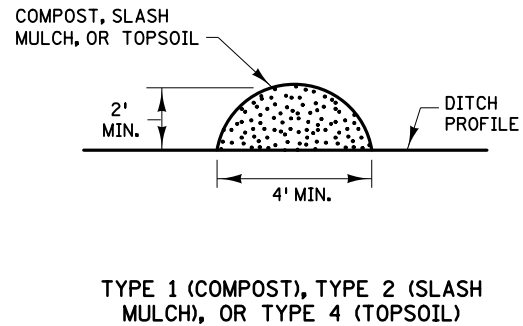
SHEET NO. 20
TOTAL SHEETS 65



SEDIMENT CONTROL LOGS



FILTER BERMS



NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

SEE SPECS. 2573, 3149, 3874, 3882, 3885, 3886, AND 3897.

- ① SPACE BETWEEN STAKES SHALL BE A MAXIMUM OF 1' FOR DITCH CHECKS OR 2' FOR OTHER APPLICATIONS.
- ② PLACE STAKES AS NEEDED TO PREVENT MOVEMENT OF SEDIMENT CONTROL LOGS PLACED ON SLOPES OR AS NEEDED DUE TO OTHER FACTORS. STAKES SHALL BE INCIDENTAL.
- ③ TO BE USED FOR CRITICAL PERIMETER CONTROL AREAS WHERE STANDING WATER OCCURS (6" MAXIMUM DEPTH). BALES SHALL CONSIST OF TYPE 1 MULCH OF APPROXIMATELY 14" X 18" X 36" LONG. BALES SHALL BE PLACED ON EDGE AND BUTTED TIGHT TO ADJACENT BALES.
- ④ INSTEAD OF TRENCHING, PLACE BALE ON THE REPP (BLANKET) AND WRAP BLANKET AROUND THE BALE. PLACE STAKE THROUGH BALE AND BLANKET.

LEAD
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TEMPORARY SEDIMENT CONTROL
FILTER BERMS, SEDIMENT CONTROL LOGS, AND BALE BARRIERS

APPROVED: 01-08-2020
REVISED:

Tom Styrbicki
THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.405

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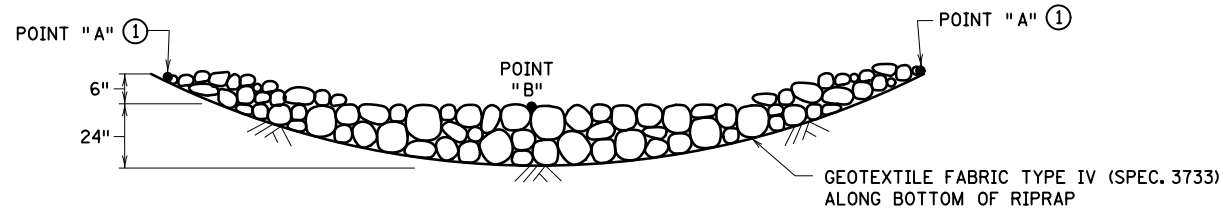
STANDARD PLANS

STATE PROJ. NO. 1307-38

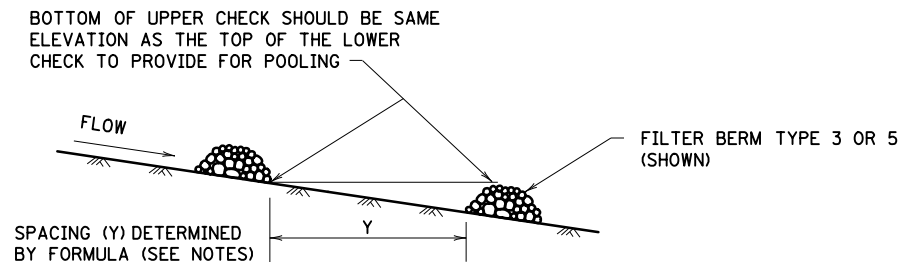
SHEET NO. 21

(T.H. 95)

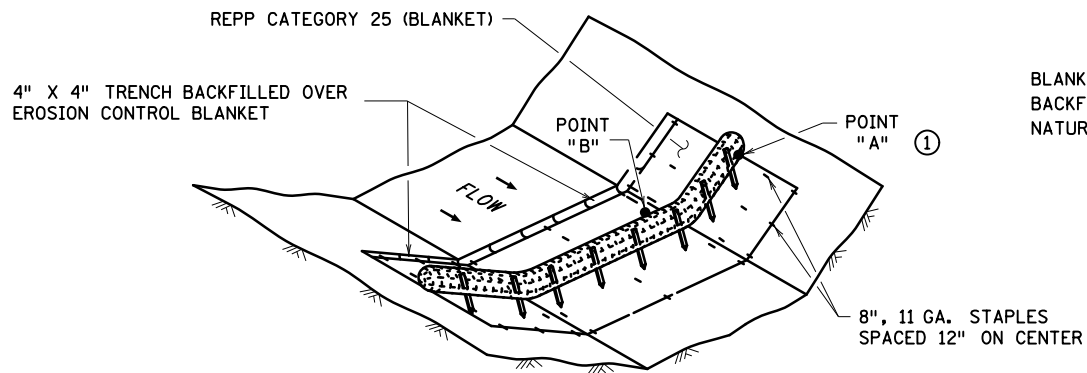
TOTAL SHEETS 65



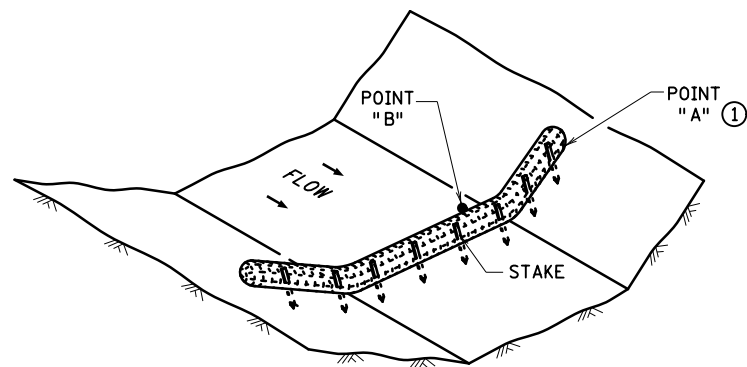
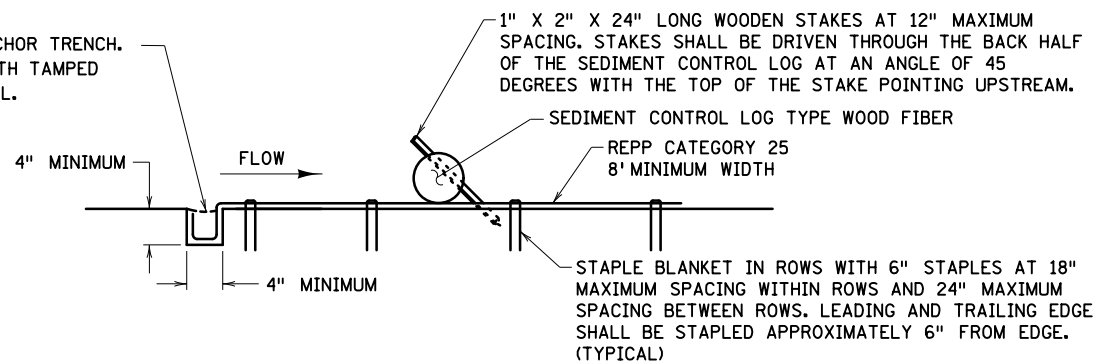
ROCK DITCH CHECKS
FILTER BERMS TYPE 3 (ROCK WEEPER) OR FILTER TYPE 5 (ROCK) ③
FOR USE ON ROUGH-GRADED AREAS
ONLY FOR USE OUTSIDE CLEAR ZONE ②



DITCH CHECK SPACING
FOR ALL FILTER BERM TYPES



SEDIMENT CONTROL LOG TYPE REPP (BLANKET) SYSTEM ④



SEDIMENT CONTROL LOG TYPE WOOD FIBER, OR TYPE COMPOST ⑤
FOR USE ON ROUGH GRADED AREAS

NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

SEE SPECS. 2573, 3601, 3733, 3885, 3886 & 3889.

FOR DITCH CHECKS, PLACE SEDIMENT CONTROL LOG PERPENDICULAR TO FLOW AND IN A CRESCENT SHAPE WITH THE ENDS FACING UPSTREAM.

APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:

$$\text{APPROXIMATE SPACING OF DITCH CHECKS (FT.)} = Y = \frac{\text{DITCH CHECK HEIGHT (FT.)}}{\% \text{ CHANNEL SLOPE}} \times 100$$

- ① POINT "A" MUST BE A MINIMUM OF 6" HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
- ② ROCK DITCH CHECKS PLACED WITHIN THE CLEAR ZONE ARE TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DEPARTURE SLOPE SHALL BE PROVIDED.
- ③ DITCH GRADE 3% - 5%, MAX. FLOW VELOCITY 12 FT./SEC.
- ④ DITCH GRADE 1.5% - 3%, MAX. FLOW VELOCITY 4.5 FT./SEC.
- ⑤ DITCH GRADE 1.5% - 3%, MAX. FLOW VELOCITY 1.5 FT./SEC.

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TEMPORARY SEDIMENT CONTROL
DITCH CHECK

APPROVED: 01-08-2020
REVISED:

Tom Styrbicki
THOMAS STYRBICKI
STATE DESIGN ENGINEER

**STANDARD
PLAN
5-297.405**

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STANDARD PLANS

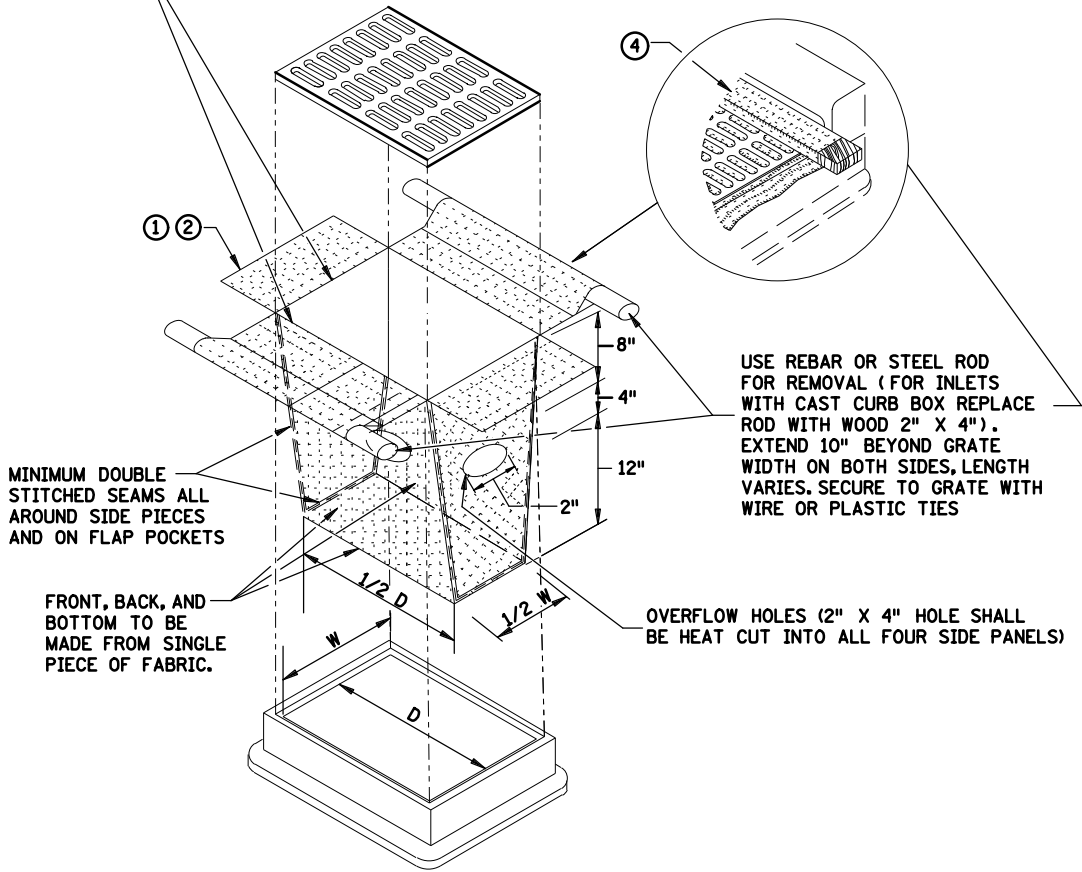
STATE PROJ. NO. 1307-38

SHEET NO. 22

(T.H. 95)

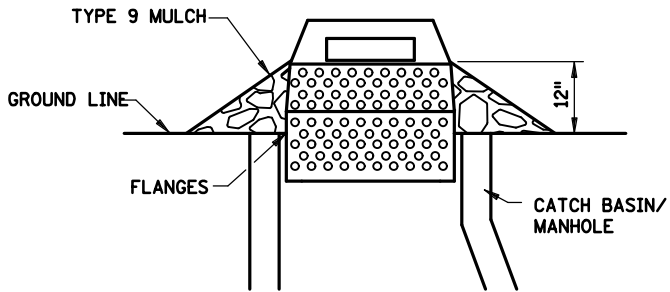
TOTAL SHEETS 65

INLET SPECIFICATIONS AS PER THE PLAN
DIMENSION LENGTH AND WIDTH TO MATCH
FLAP POCKET



FILTER BAG INSERT ③

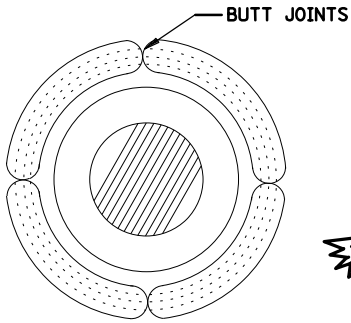
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)



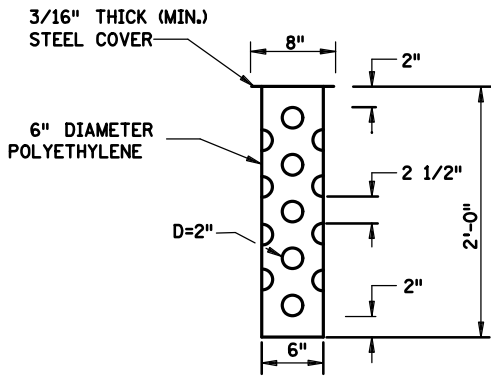
SEDIMENT CONTROL INLET HAT

NOTE:
THE SEDIMENT CONTROL BARRIER SHALL BE A METAL OR PLASTIC/POLYETHYLENE RISER SIZED TO FIT INSIDE THE CATCH BASIN/MANHOLE; HAVE PERFORATIONS TO ALLOW FOR WATER INFILTRATION; HAVE AN OVERFLOW OPENING, FLANGES AND A LID/COVER.

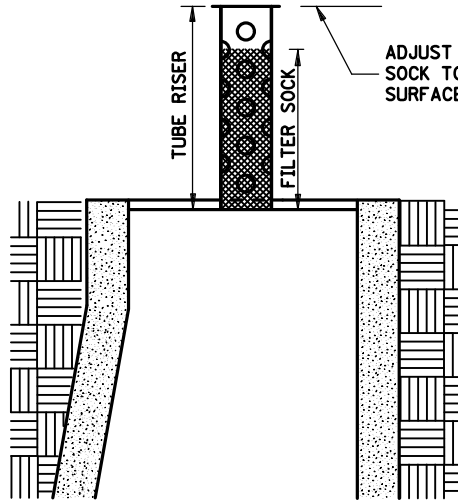
ENDS SECURELY CLOSED TO PREVENT LOSS OF OPEN GRADED AGGREGATE FILL. SECURED WITH 50 PSI. ZIP TIE.



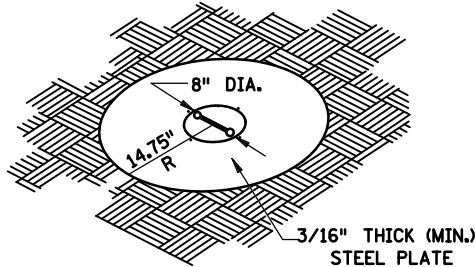
ROCK LOG/COMPOST LOG



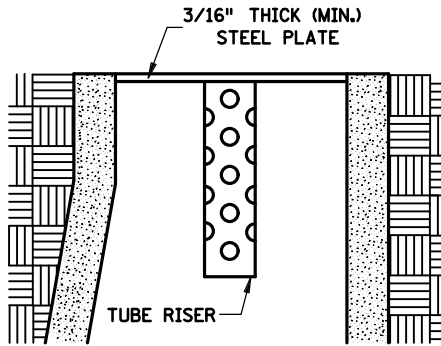
TUBE RISER



SECTION (UP POSITION)

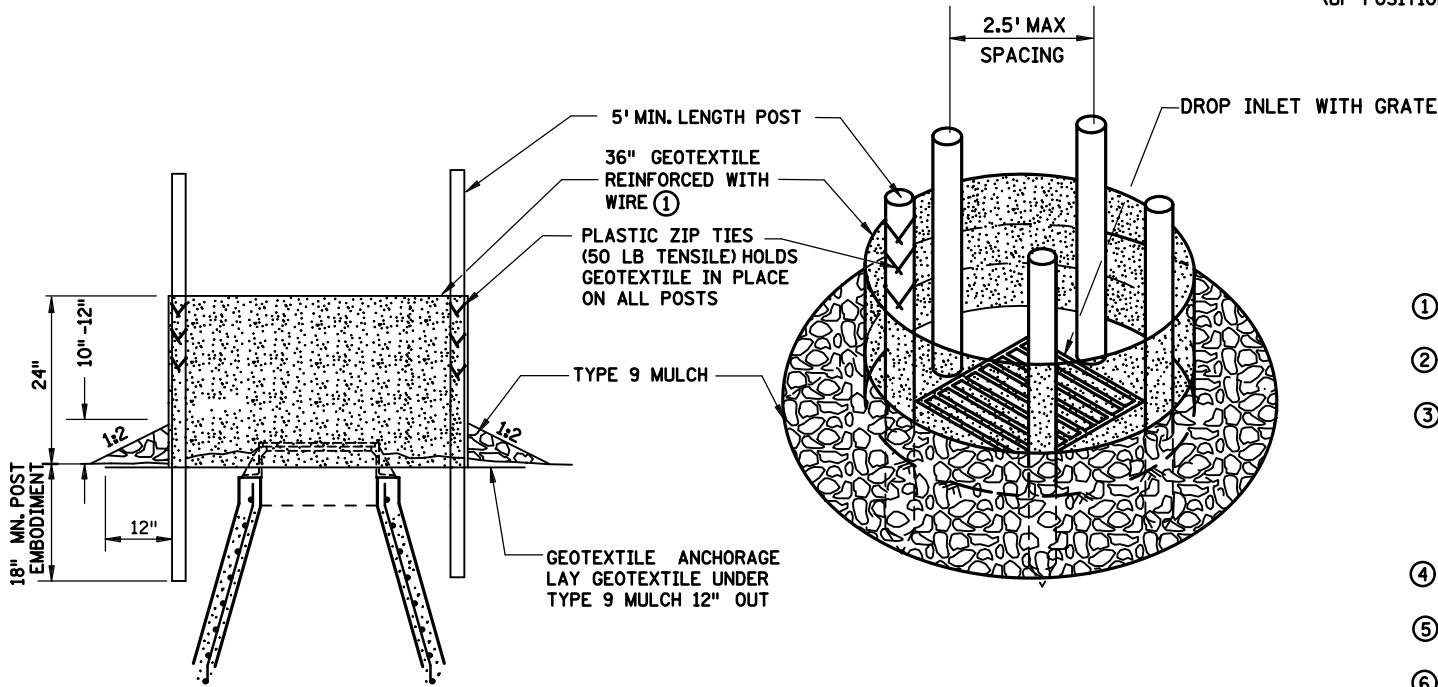


PERSPECTIVE VIEW



SECTION (DOWN POSITION)

POP-UP HEAD



SILT FENCE RING AND ROCK FILTER BERM

USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:3 OR LESS

NOTES:

SEE SPECS. 2573, 3137, & 3886.

DEVICES MUST BE ADJUSTED ACCORDINGLY AS TO NOT CAUSE FLOODING ON ROADWAY THAT WOULD IMPEED TRAFFIC FLOW.

- ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.
- FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- INSTALLATION NOTES:
DO NOT PLACE FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE PLACED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.
- SOCK HEIGHT MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE FLOODING OF THE ROADWAY.
- GEOTEXTILE SOCK BETWEEN 4-10 FEET LONG AND 4-6 INCH DIAMETER. SEAM TO BE JOINED BY TWO ROWS OF STITCHING WITH A PLASTIC MESH BACKING OR PROVIDE A HEAT BONDED SEAM (OR APPROVED EQUIVALENT). FILL ROCK LOG WITH OPEN GRADED AGGREGATE CONSISTING OF SOUND DURABLE PARTICLES OF COARSE AGGREGATE CONFORMING TO SPEC. 3137 TABLE 3137-1; CA-3 GRADATION.

LEAD
EXPERT
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TEMPORARY SEDIMENT CONTROL
STORM DRAIN INLET PROTECTION

APPROVED: 02-28-2017
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

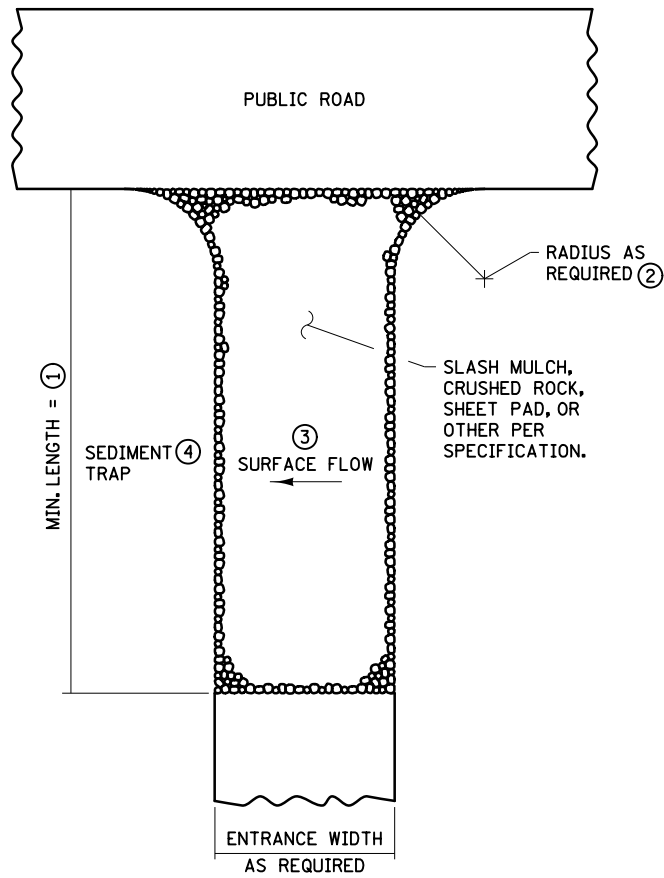
STANDARD
PLAN
5-297.405

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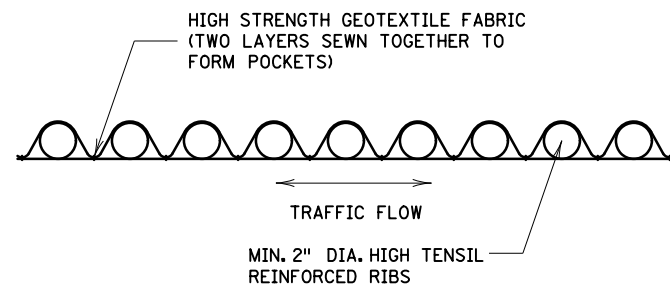
STANDARD PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

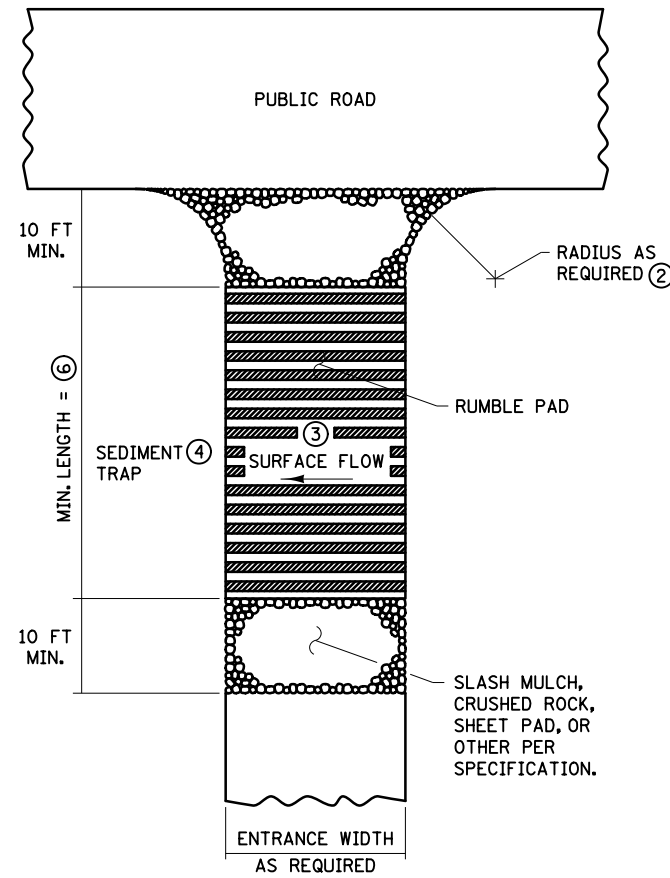
SHEET NO. 23
TOTAL SHEETS 65



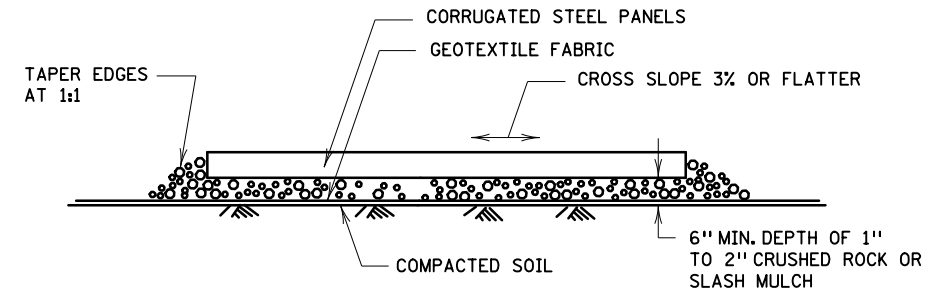
SLASH MULCH, CRUSHED ROCK, OR SHEET
PAD CONSTRUCTION EXIT (5)(7)



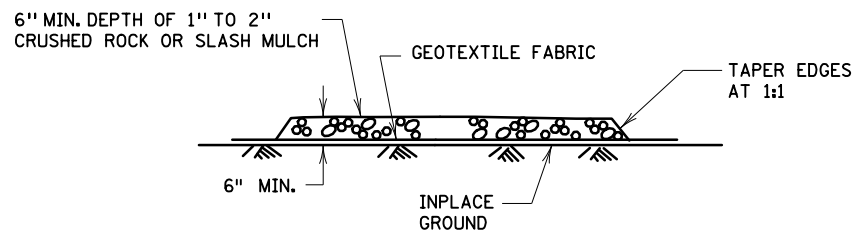
SHEET PAD



RUMBLE PAD
CONSTRUCTION EXIT (5)(7)



RUMBLE PAD



SLASH MULCH OR CRUSHED ROCK

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.
- ② 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.

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TEMPORARY SEDIMENT CONTROL
STABILIZED CONSTRUCTION EXIT

APPROVED: 02-28-2017
REVISED:

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STANDARD
PLAN
5-297.405

5 OF 8

STANDARD PLANS

STATE PROJ. NO. 1307-38

SHEET NO. 24

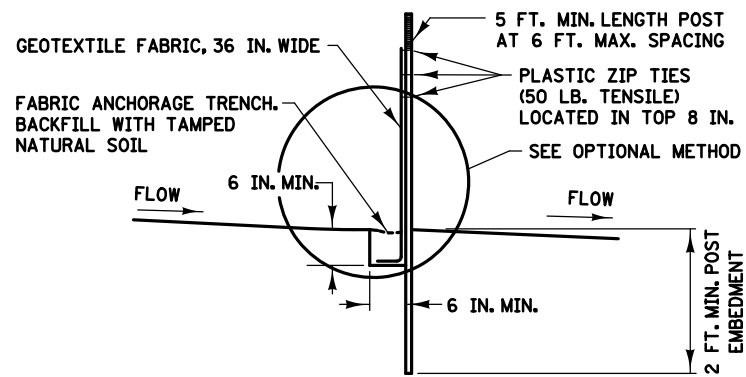
(T.H. 95)

TOTAL SHEETS 65

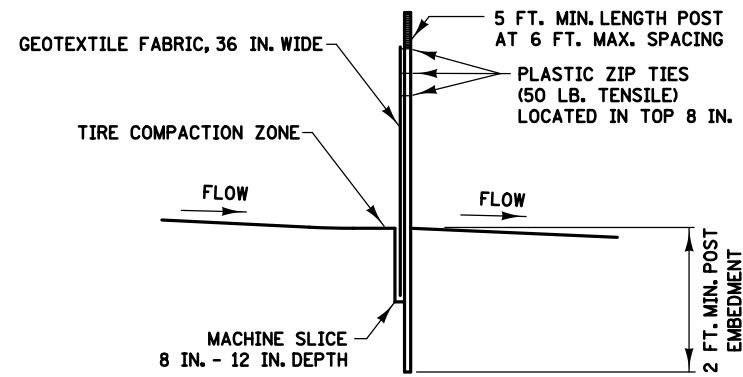
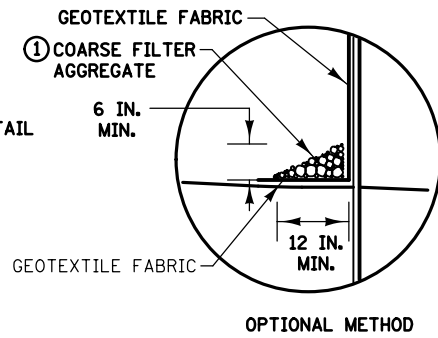
21-MAY-2024

PLOTTED/REVISED:

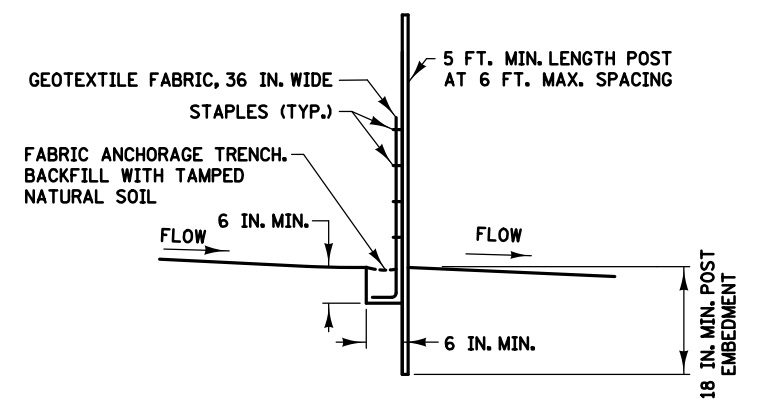
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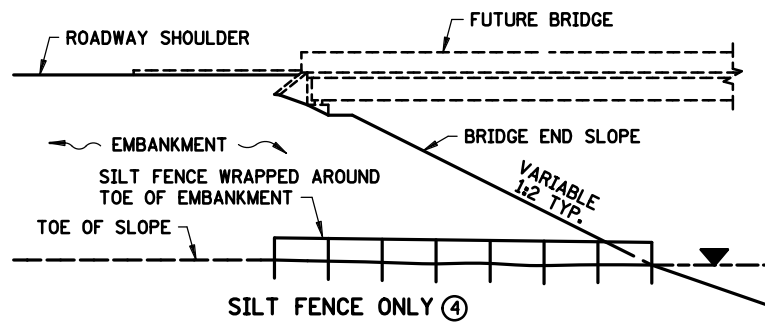
SILT FENCE TYPE HI ②
(HAND INSTALLED)



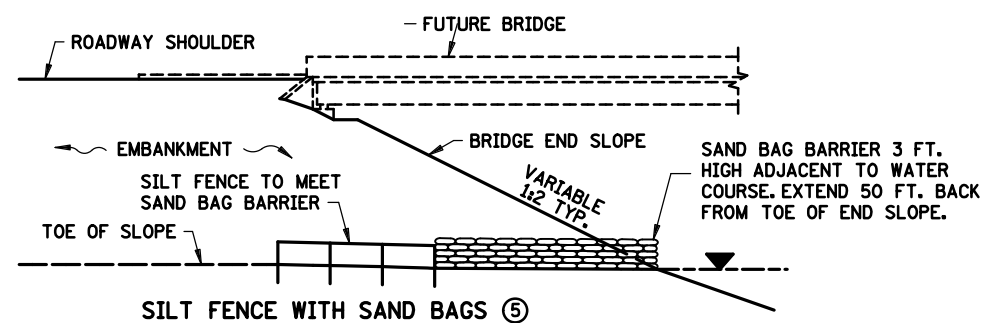
SILT FENCE TYPE MS ②
(MACHINE SLICED)



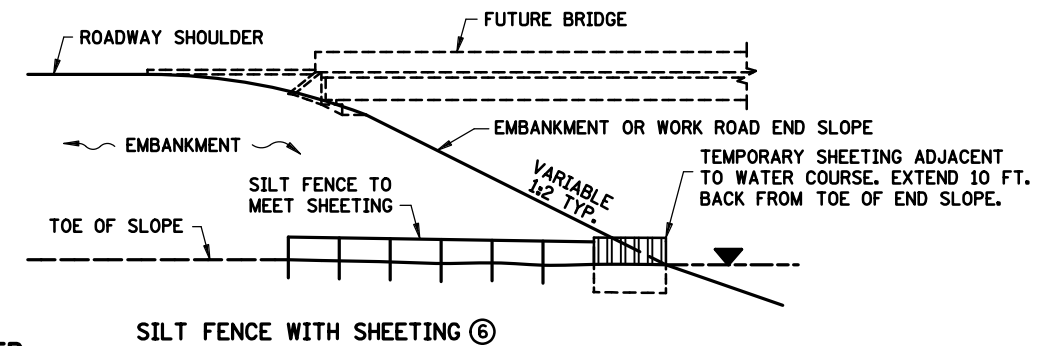
SILT FENCE TYPE PA ③
(PREASSEMBLED)



SILT FENCE ONLY ④

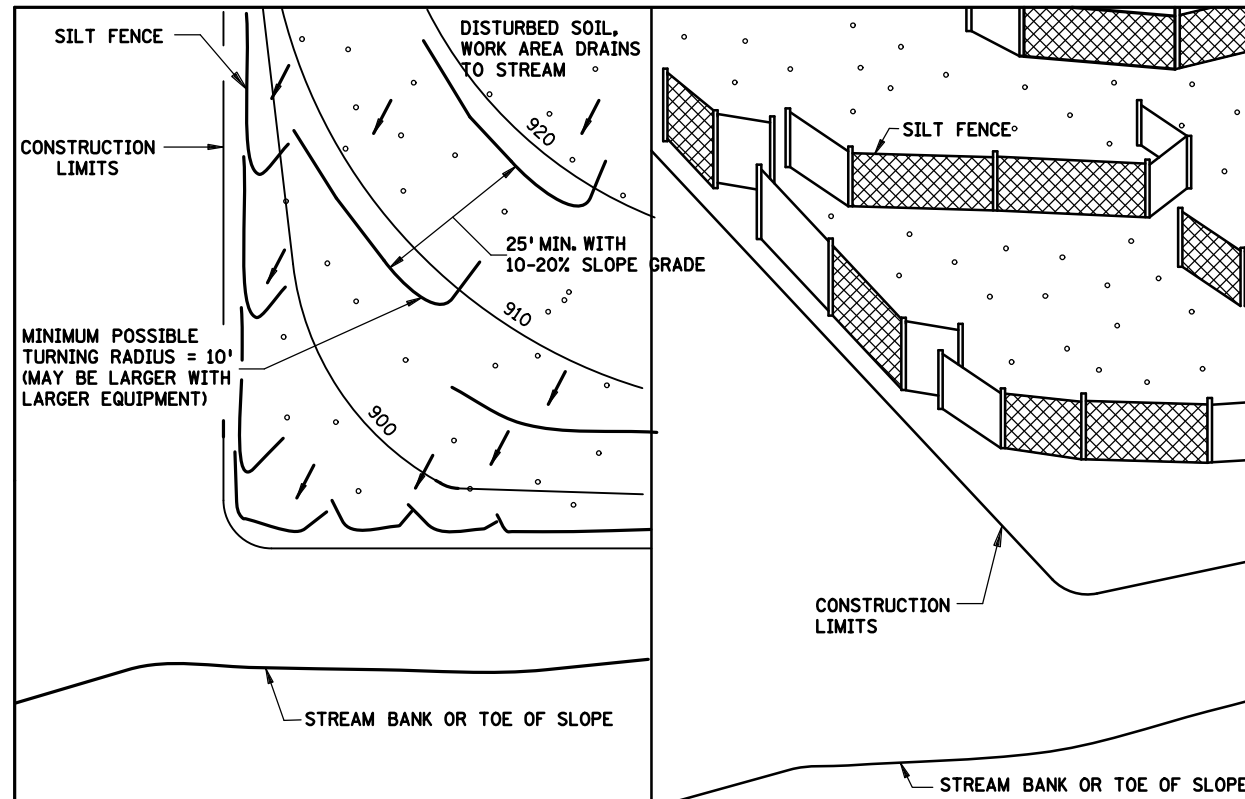


SILT FENCE WITH SAND BAGS ⑤



SILT FENCE WITH SHEETING ⑥

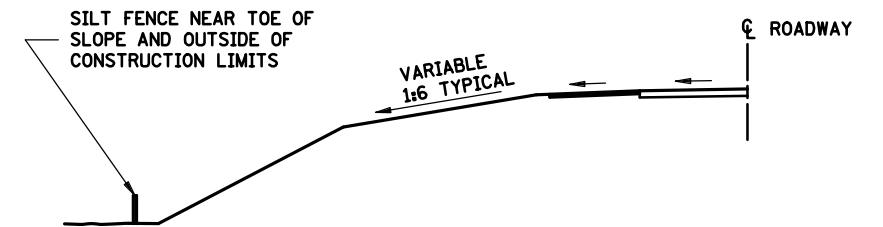
INSTALLATION AT BRIDGE EMBANKMENT ADJACENT TO WATER



PLAN VIEW

J-HOOK INSTALLATION

PERSPECTIVE VIEW



LOCATION AT TOE OF ROADWAY EMBANKMENT

NOTES:

SEE SPECS. 2573, 3149 & 3886.

- ① COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.
- ② TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 1 ACRE.
- ③ TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 0.25 ACRE.
- ④ WATER COURSE FLOW VELOCITY: STANDING. CONTRIBUTING SLOPE AREA: 1/2 ACRE.
- ⑤ WATER COURSE FLOW VELOCITY: 1 TO 7 FT./SEC. CONTRIBUTING SLOPE AREA: 1 ACRE.
- ⑥ WATER COURSE FLOW VELOCITY: 8 TO 15 FT./SEC. CONTRIBUTING SLOPE AREA: 3 ACRES.

LEAD
EXPERT
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TEMPORARY SEDIMENT CONTROL
SILT FENCE

APPROVED: 02-28-2017
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
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5-297.405

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STANDARD PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

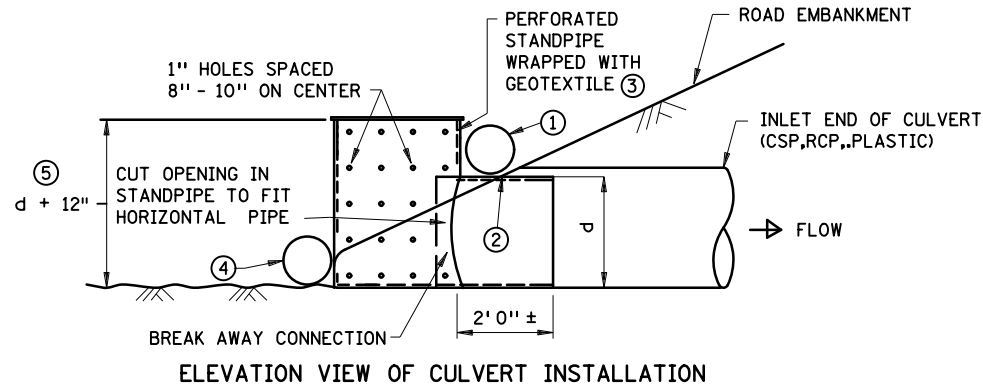
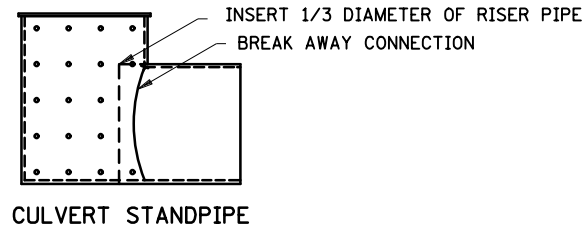
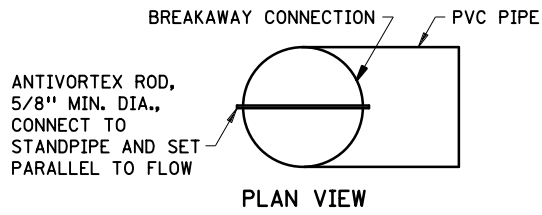
SHEET NO. 25
TOTAL SHEETS 65

21-MAY-2024

PLOTTED/REVISED:

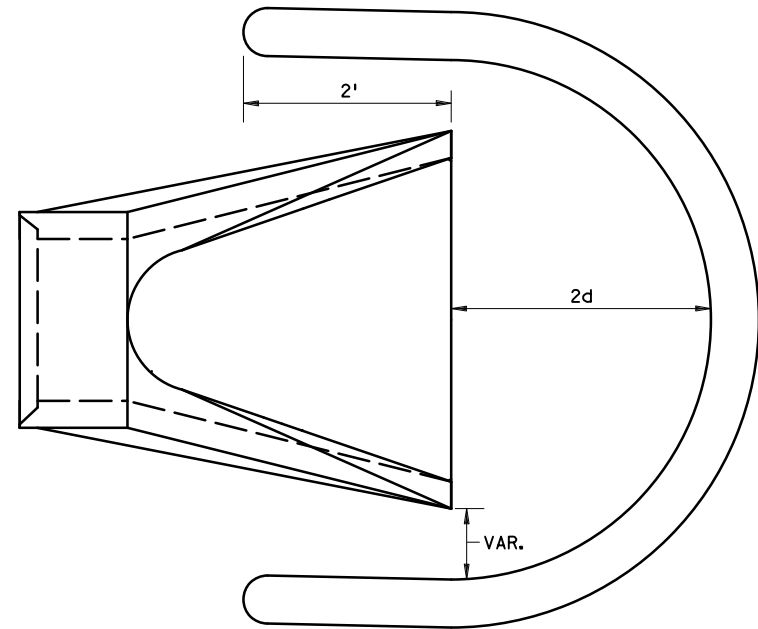
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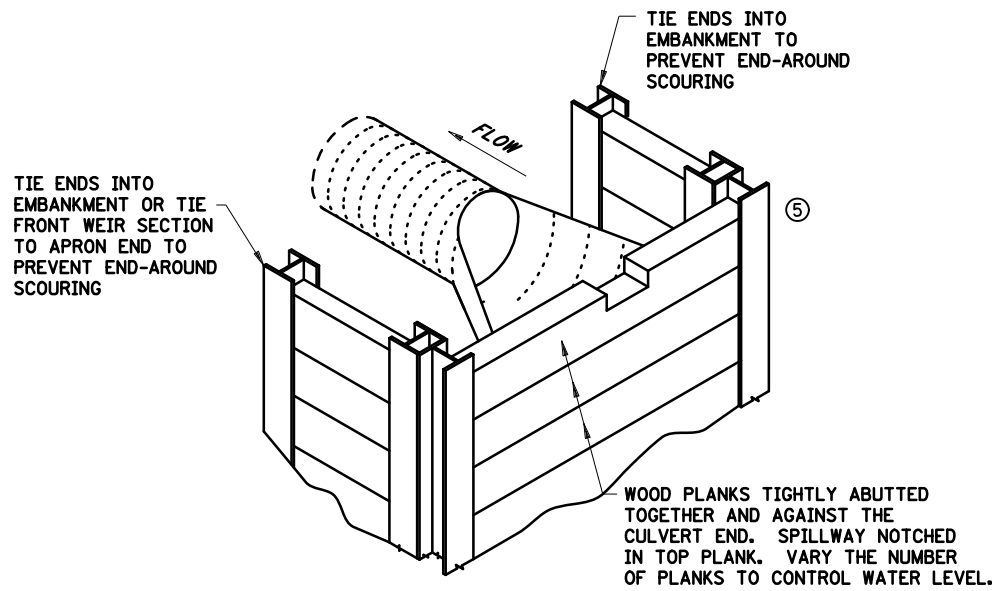
CULVERT STANDPIPE INSERT (D-RISER)

d= CULVERT SIZE: 12" - 36"

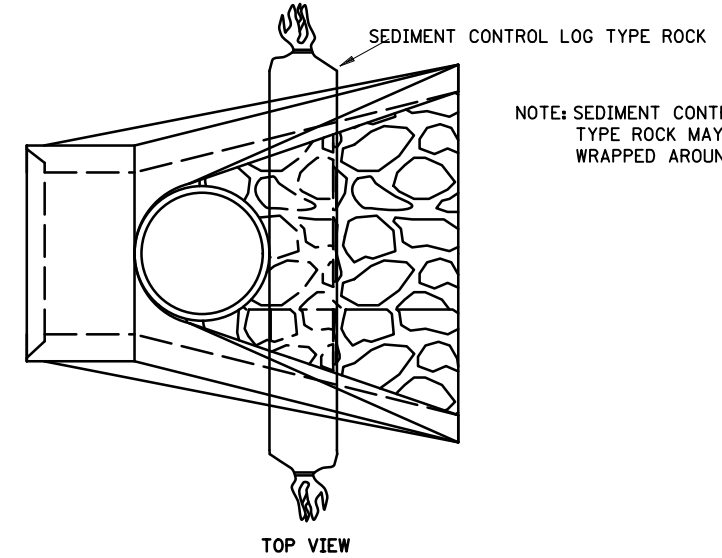
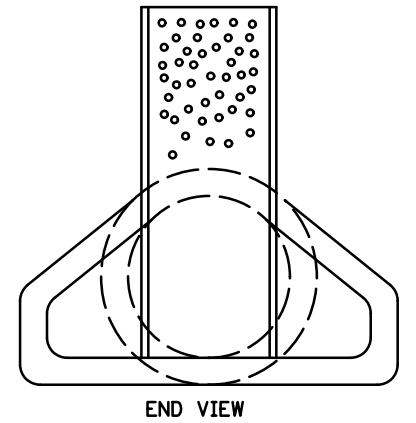
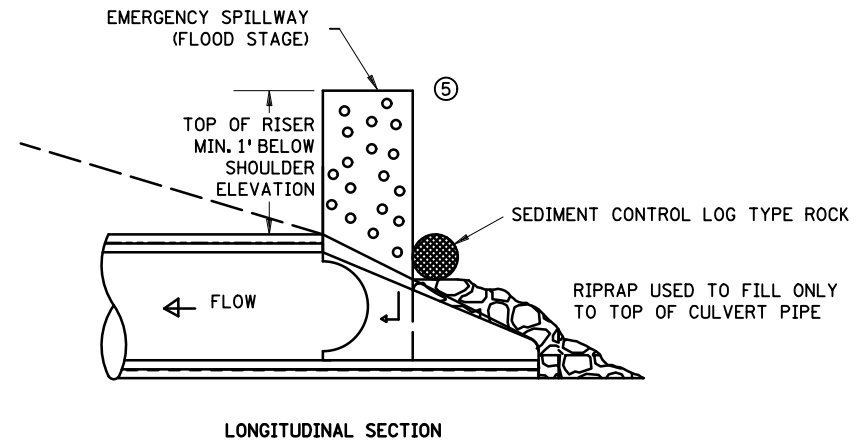


SEDIMENT CONTROL LOG WEIR
(COMPOST, WOOD CHIP, OR ROCK)

d = CULVERT SIZE: 12"-36"



WOOD PLANK WEIR



CULVERT STANDPIPE INSERT (D-RISER)

NOTES:

- SEE SPECS. 2573, 3891 & 3893.
- FOR USE WHEN TEMPORARY PONDING IS NEEDED IN DITCH SECTIONS FOR SEDIMENT CONTROL.
- MANUFACTURED ALTERNATIVES LISTED ON MDOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED AT NO ADDITIONAL COST.
- ① ROCK LOG OR SANDBAG TO HOLD STANDPIPE AND ACT AS A SEAL BETWEEN RISER PIPE AND CULVERT.
- 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 FOR MACHINE SLICED.
- ④ ROCK LOG OR RIP RAP TO HOLD STANDPIPE AND ACT AS A FILTER BETWEEN RISER PIPE AND CULVERT.
- ⑤ HEIGHT OVERFLOW NOT TO CAUSE FLOODING OF ROAD OR ADJACENT PROPERTIES.

LEAD
EXPERT
OFFICE

LYNN CLARKOWSKI
CHIEF ENVIRONMENTAL OFFICER
OFFICE OF
ENVIRONMENTAL STEWARDSHIP

TEMPORARY SEDIMENT CONTROL
CULVERT END CONTROLS

APPROVED: 02-28-2017
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.405

8 OF 8

STANDARD PLANS

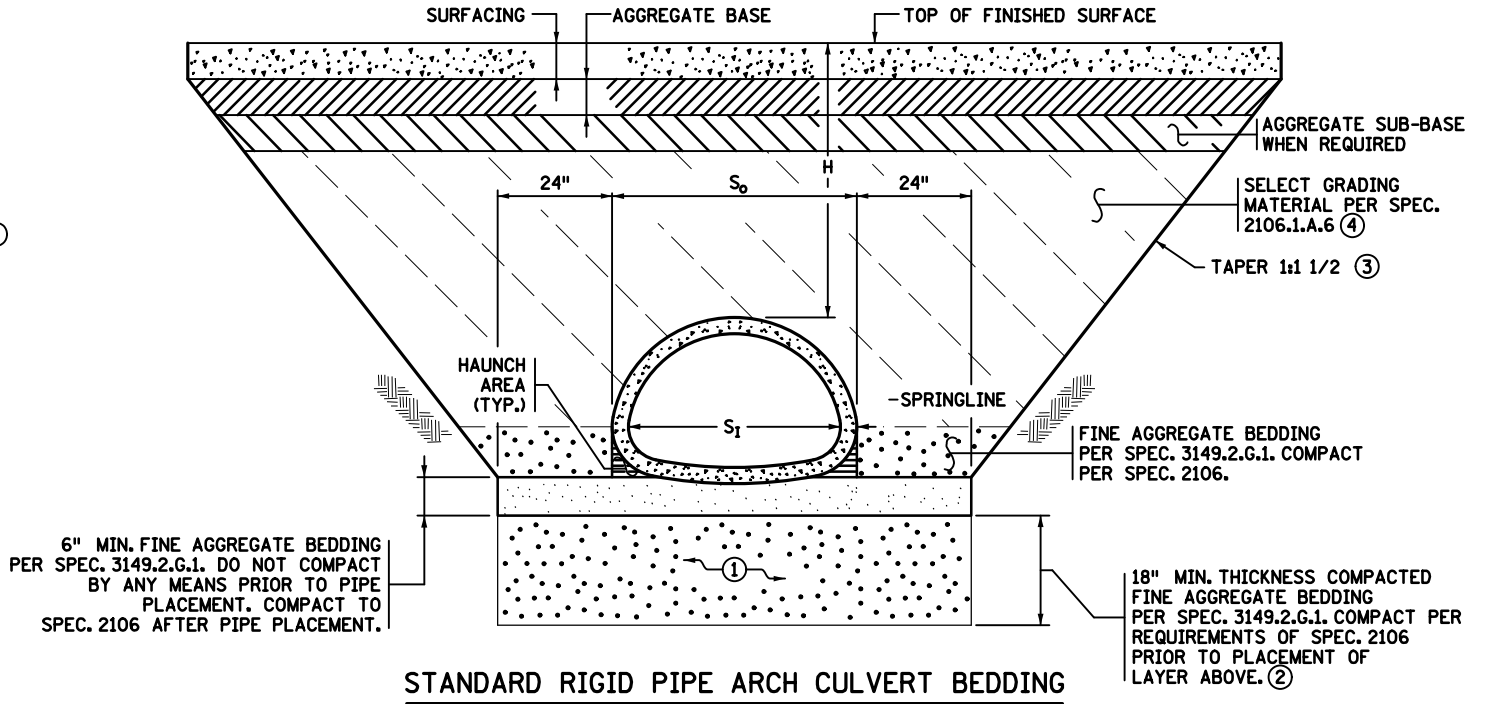
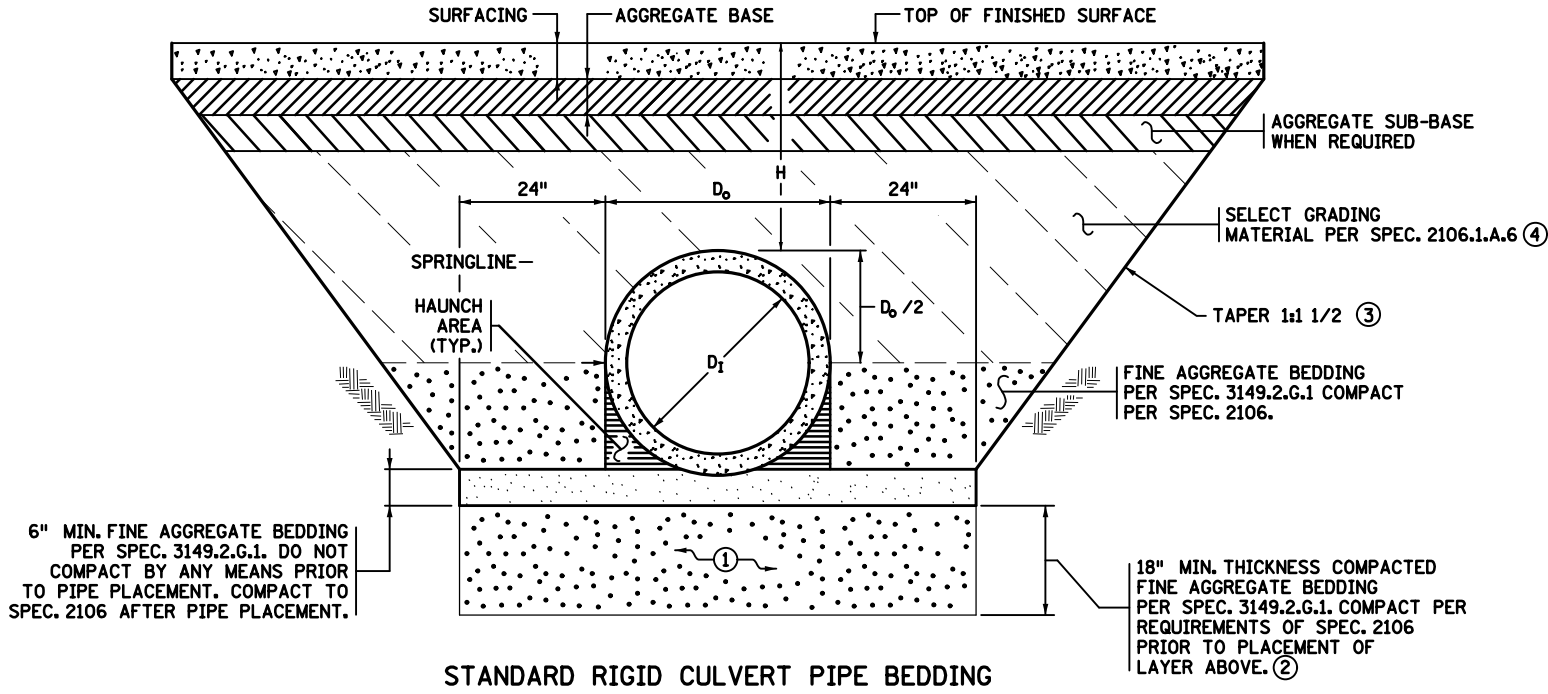
STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 26
TOTAL SHEETS 65

PLOTTED/REVISED: 21-MAY-2024

PLOT NAME: d1307038_155spn

PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\d1307038_155spn.dgn



-LEGEND-

- D_i = INSIDE DIAMETER OF ROUND PIPE (INCHES).
 D_o = OUTSIDE DIAMETER OF ROUND PIPE (INCHES).
 S_i = INSIDE SPAN OF PIPE-ARCH (INCHES).
 S_o = OUTSIDE SPAN OF PIPE-ARCH (INCHES).
 H = FILL COVER HEIGHT OVER PIPE (FEET).
= UNDISTURBED SOIL
= COMPACTED BEDDING
= LOOSE BEDDING, COMPACTED AFTER PIPE PLACEMENT

NOTES

- STANDARD BEDDING FOR RIGID PIPE CULVERTS WITHOUT TREATMENTS.
RIGID PIPE INCLUDES CONCRETE.
ENTRANCE CULVERTS (FIELD AND DRIVEWAY CULVERTS) DO NOT NEED BEDDING UNLESS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS.
UNLESS OTHERWISE NOTED IN THE PLAN, BEDDING QUANTITIES ARE COMPUTED FOR THE FULL LENGTH OF THE PIPE AND APRON, AND WILL NOT BE ADJUSTED FOR CHANGES TO MEET OSHA REQUIREMENTS.
WHEN RIPRAP IS REQUIRED AT THE APRON END, SEE STANDARD PLATE OR PLAN FOR RIPRAP INSTALLATION AND QUANTITIES. FOR APRONS WITHOUT RIPRAP PLACE 6" MIN. FINE AGGREGATE BEDDING UNDER APRONS. USE A TRENCH WIDTH EQUAL TO THE PIPE TRENCH WIDTH.
CONTRACT PAY ITEM FOR FINE AGGREGATE BEDDING INCLUDES THE COST OF EXCAVATION, PLACEMENT AND COMPACTION.
EXCAVATION AND BACKFILL WITH SELECT GRADING MATERIAL ARE NOT TABULATED SEPARATELY BUT ARE INCLUDED IN THE CONTRACT UNIT PRICE OF THE RELEVANT CULVERT PAY ITEM.
EXCAVATE & CONSTRUCT ALL TRENCHES AND SLOPES PER OSHA REQUIREMENTS.
ALL SLOPES SHOWN AS (V) : (H).
PIPE SIZE IS BASED ON THE NOMINAL INSIDE DIAMETER OR SPAN.
PROTECT ALL PIPE DURING CONSTRUCTION PER SPEC. 2501.
PLACE MULTIPLE PIPE CULVERTS WITH A CLEARANCE OF 24 INCHES OR GREATER BETWEEN STRINGS OF PIPE.
① IF APPROVED BY THE ENGINEER, IN WET CONDITIONS THE CONTRACTOR MAY SUBSTITUTE 18" OF COARSE FILTER AGGREGATE PER SPEC. 3149.2.H COMPACTED TO THE QUALITY COMPACTION REQUIREMENTS OF SPEC. 2106. WRAP WITH GEOTEXTILE FABRIC TYPE IV PER SPEC. 3733. SEAM ALL FABRIC SIDES AND ENDS PER SPEC. TABLE 3733-1 INCLUDING FOOTNOTE (e) OR OVERLAP A MINIMUM OF 3 FT., ALL AT NO ADDITIONAL COST.
② FOR INSTALLATIONS ON INTACT BEDROCK, OMIT THIS LAYER.
③ OVER-EXCAVATION BENEATH TAPERS IS NOT PERMITTED UNLESS REQUIRED BY OSHA. (TYP.)
④ MAXIMUM EMBANKMENT PARTICLE SIZE WITHIN 2 FT. OF RIGID PIPE IS 3".

LEAD
EXPERT
OFFICE

KEVIN WESTERN
STATE BRIDGE ENGINEER

STANDARD CULVERT BEDDING FOR RIGID PIPE
(WITHOUT TREATMENTS)

APPROVED: 01-18-2019
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.441

1 OF 1

STANDARD PLANS

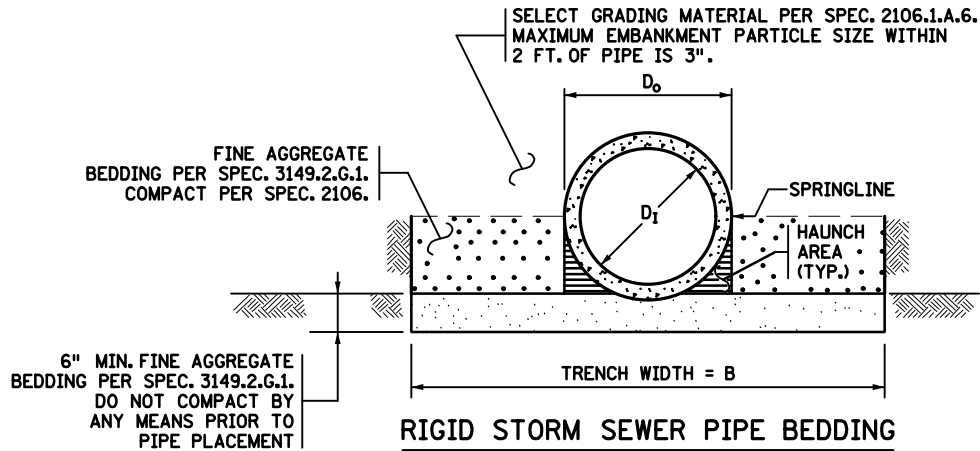
STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 27
TOTAL SHEETS 65

21-MAY-2024

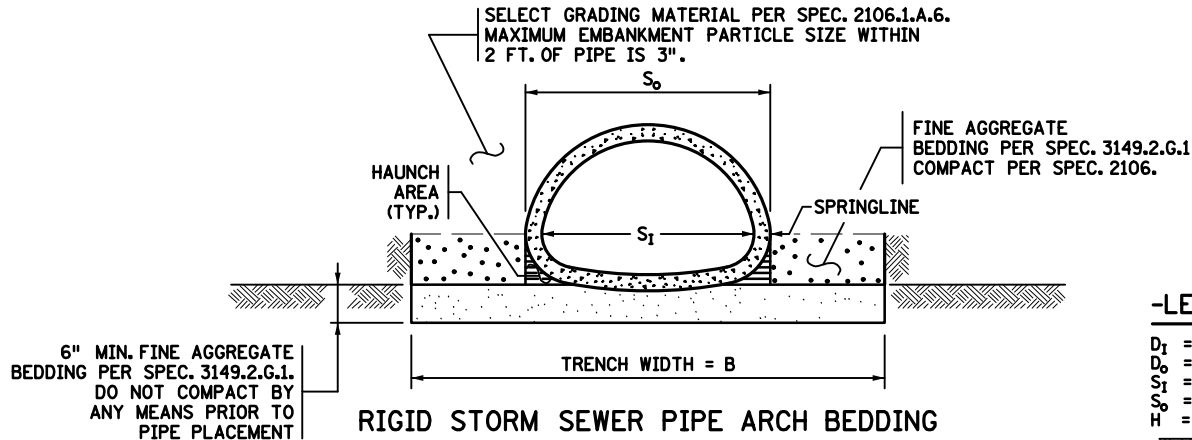
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PLOT NAME: d1307038_155spn
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_155spn.dgn



TRENCH BASE WIDTH ①②	
PIPE DIA. D ₁ OR S ₁	TRENCH WIDTH B
< 42"	D ₀ + 24"
42" TO 54"	1.5 x D ₀
> 54"	D ₀ + 36"

PLASTIC PIPE WITH H > 10 FT. ①②	
PIPE DIA.	TRENCH WIDTH (FEET)
12"	5'-2"
15"	5'-6"
18"	5'-9"
24"	6'-6"
30"	8'-0"
36"	9'-6"
42"	11'-0"
48"	12'-6"

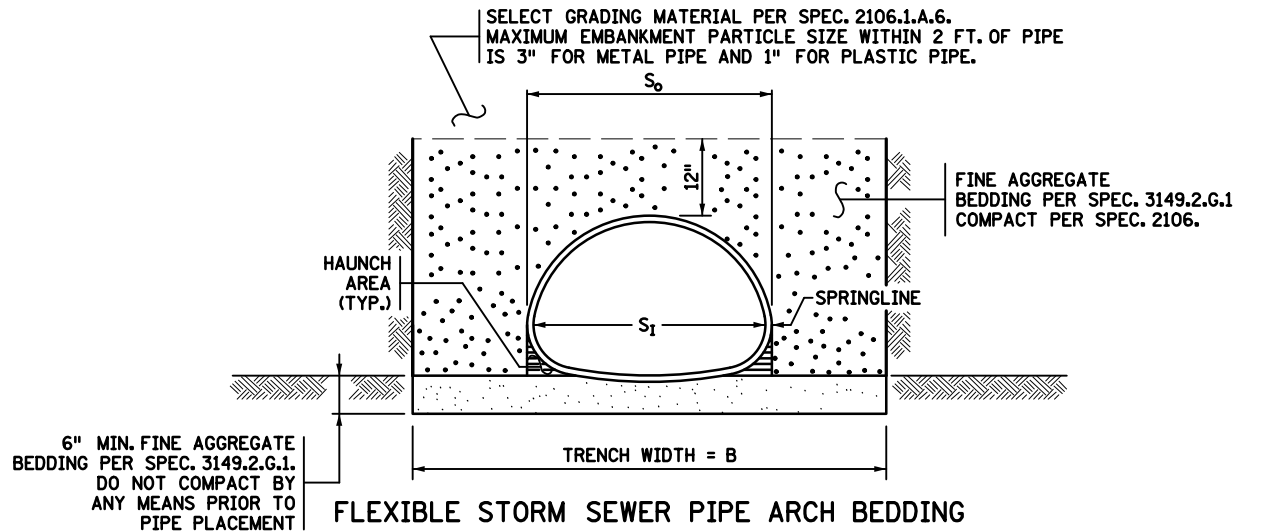
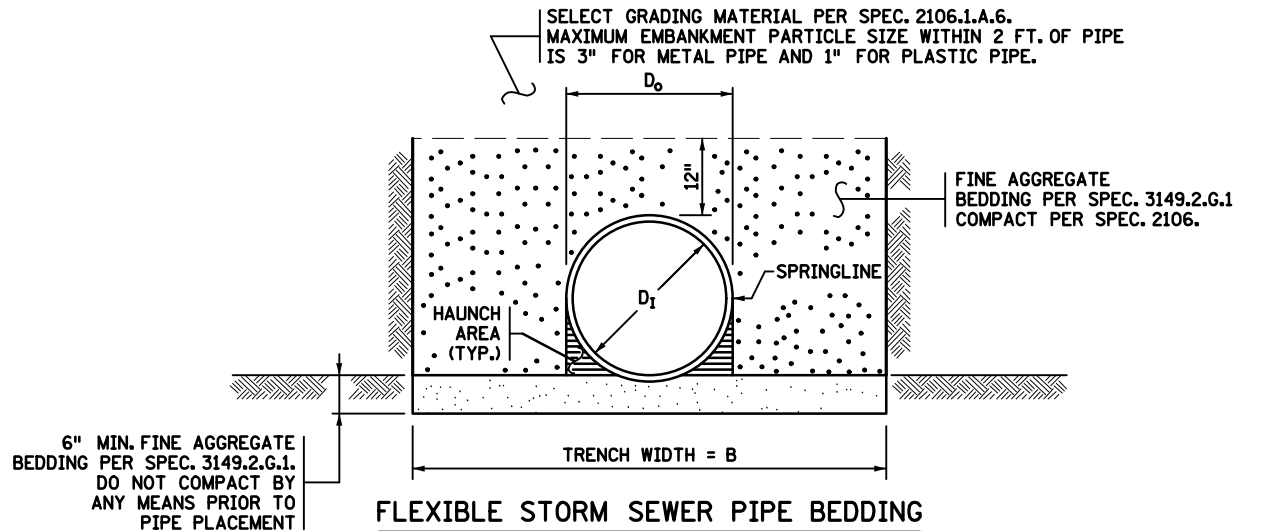


-LEGEND-

- D₁ = INSIDE DIAMETER OF ROUND PIPE (INCHES).
D₀ = OUTSIDE DIAMETER OF ROUND PIPE (INCHES).
S₁ = INSIDE SPAN OF PIPE-ARCH (INCHES).
S₀ = OUTSIDE SPAN OF PIPE-ARCH (INCHES).
H = FILL COVER HEIGHT OVER PIPE (FEET).
- = UNDISTURBED SOIL
 = COMPACTED BEDDING
 = LOOSE BEDDING, COMPACTED AFTER PIPE PLACEMENT

CONSTRUCTION SEQUENCE

1. LOOSELY PLACE 6" OF FINE AGGREGATE BEDDING MATERIAL TO GRADE. DO NOT COMPACT PRIOR TO PIPE PLACEMENT.
2. FOR PIPES WITH BELL, REMOVE MATERIAL IN BELL AREA PRIOR TO PLACEMENT.
3. FURNISH AND INSTALL PIPE TO GRADE.
4. AFTER PLACEMENT OF THE PIPE, PLACE ADDITIONAL FINE AGGREGATE BEDDING AND COMPACT THE FULL LENGTH ON BOTH SIDES OF THE PIPE UNDERNEATH THE HAUNCH AREA BY FIRST SHOVEL SLICING (MANUALLY SHOVE THE BLADE END OF SHOVEL AT AN ANGLE DOWN THE ENTIRE LENGTH OF HAUNCH UNDER THE PIPE). THEN COMPACT THE HAUNCH AT AN ANGLE USING A POWERED MECHANICAL OR PNEUMATIC DEVICE (I.E. POLE TAMPER, JUMPING JACK, OR SIMILAR).
5. COMPACT THE REMAINING MATERIAL OUTSIDE THE HAUNCH AREA TO THE REQUIREMENTS OF SPEC. 2106 ENSURING THAT THE ENTIRE LENGTH OF PIPE IS SUPPORTED UNIFORMLY BY BEDDING.
6. PLACE AND COMPACT BACKFILL EVENLY AND SIMULTANEOUSLY IN 6" LIFTS ON EACH SIDE OF THE PIPE UP TO THE SPRINGLINE FOR RIGID PIPE AND 12" ABOVE THE TOP OF THE PIPE FOR FLEXIBLE PIPE WHEN COMPACTED.
7. COMPLETE REMAINING BACKFILL.



NOTES

- EXCAVATE & CONSTRUCT ALL TRENCHES AND SLOPES PER OSHA REQUIREMENTS.
- PIPE SIZE IS BASED ON THE NOMINAL INSIDE DIAMETER OR SPAN.
- PROTECT ALL PIPE DURING CONSTRUCTION PER SPEC. 2503.
- WHEN RIPRAP IS REQUIRED AT THE APRON END, SEE STANDARD PLATE OR PLAN FOR RIPRAP INSTALLATION AND QUANTITIES. FOR APRONS WITHOUT RIPRAP PLACE 6" MIN. FINE AGGREGATE BEDDING UNDER APRONS. USE A TRENCH WIDTH EQUAL TO THE PIPE TRENCH WIDTH.
- FINE AGGREGATE BEDDING INCLUDING THE COST OF EXCAVATION, PLACEMENT AND COMPACTION IS INCLUDED IN THE CONTRACT UNIT PRICE OF THE RELEVANT STORM SEWER PAY ITEM.
- EXCAVATION AND BACKFILL WITH SELECT GRADING MATERIAL ARE NOT TABULATED SEPARATELY BUT ARE INCLUDED IN THE CONTRACT UNIT PRICE OF THE RELEVANT STORM SEWER PAY ITEM.
- RIGID PIPE INCLUDES CONCRETE. FLEXIBLE PIPE INCLUDES METAL, AND PLASTIC MATERIALS SUCH AS CORRUGATED POLYPROPYLENE (PP), CORRUGATED POLYETHYLENE (CP) AND POLYVINYL CHLORIDE (PVC).
- ① MODIFY TRENCH WIDTH & SLOPE AS NECESSARY TO COMPLY WITH OSHA REQUIREMENTS.
- ② USE PLASTIC PIPE TABLE FOR TRENCH WIDTHS WHEN FILL HEIGHT IS GREATER THAN 10 FT.

LEAD
EXPERT
OFFICE

KEVIN WESTERN
STATE BRIDGE ENGINEER

STANDARD STORM SEWER BEDDING
FOR RIGID AND FLEXIBLE PIPE

APPROVED: 01-18-2019
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.442

1 OF 1

STANDARD PLANS

STATE PROJ. NO. 1307-38

SHEET NO. 28

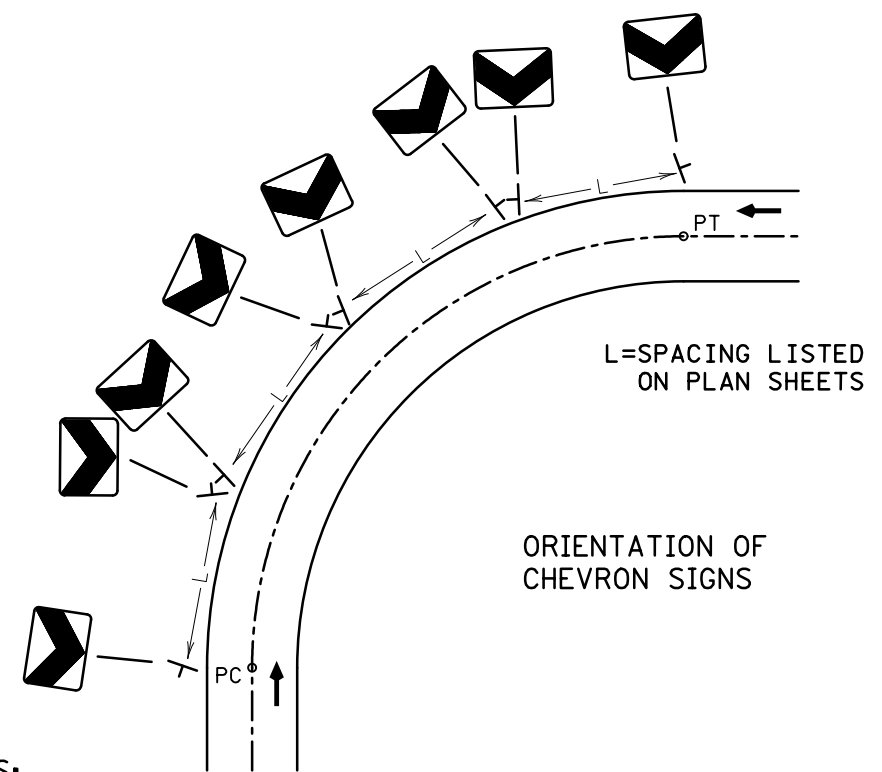
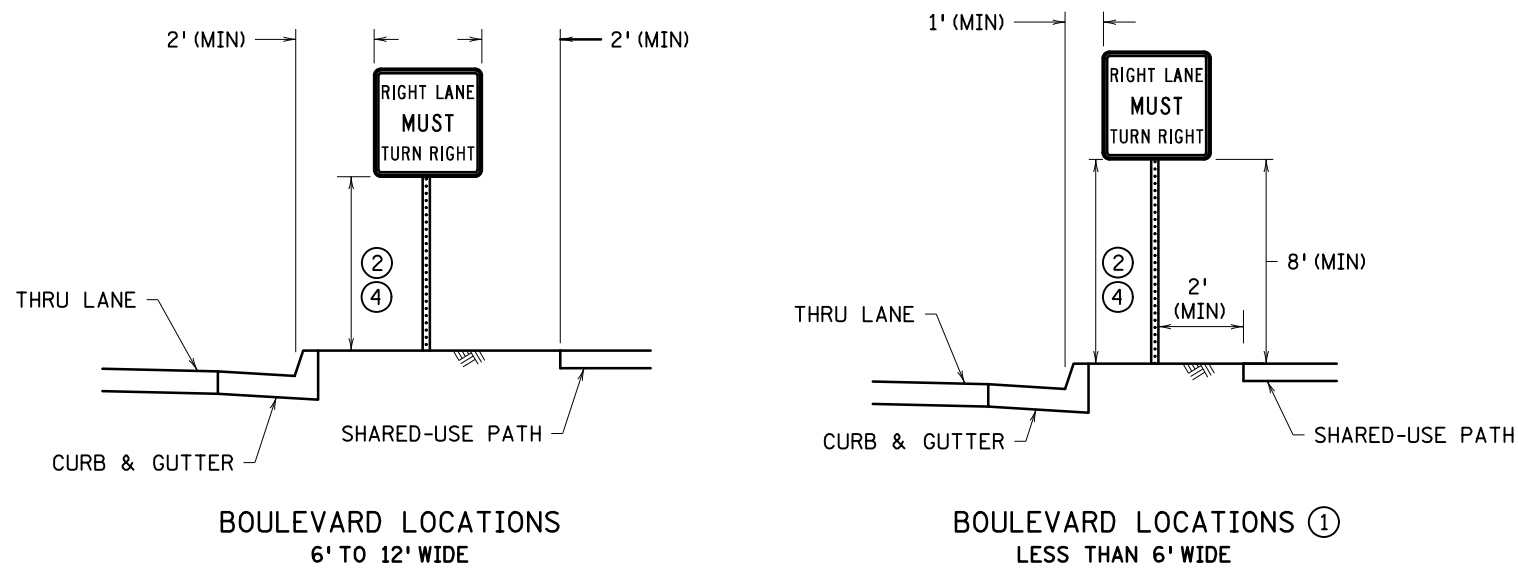
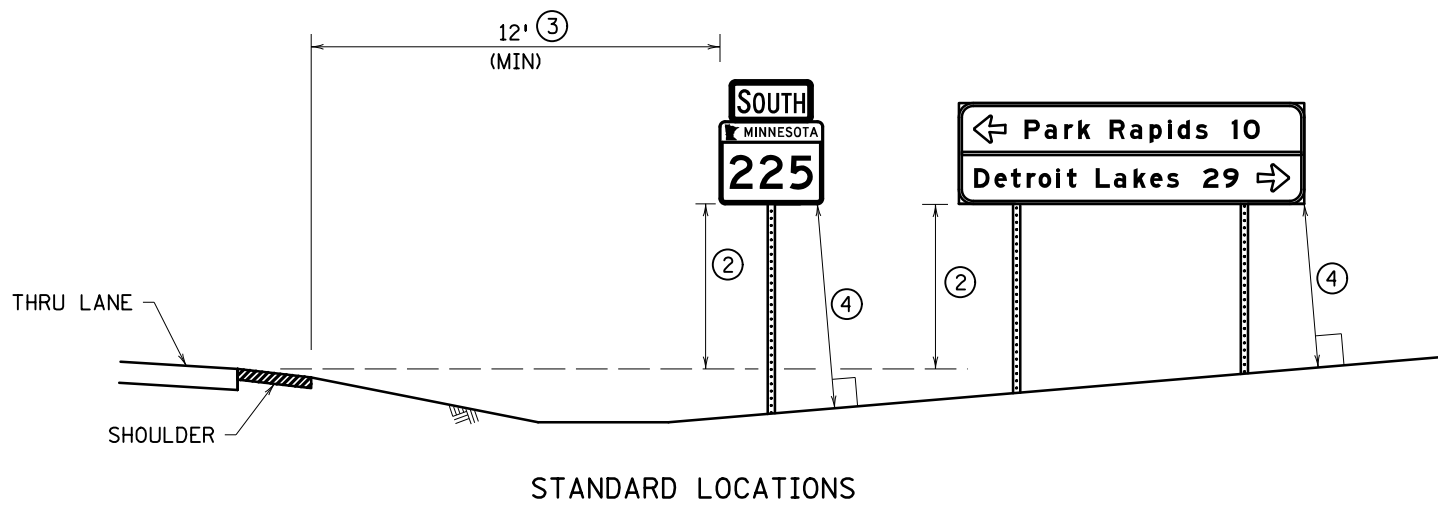
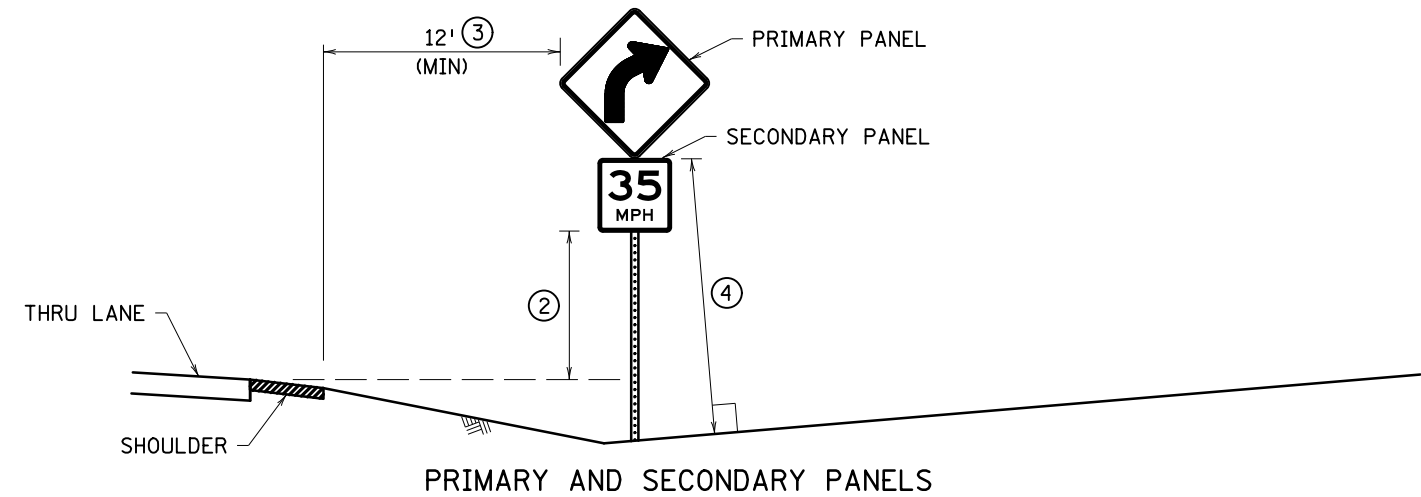
(T.H. 95)

TOTAL SHEETS 65

21-MAY-2024

PLOTTED/REVISED:

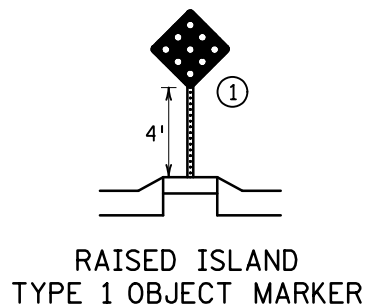
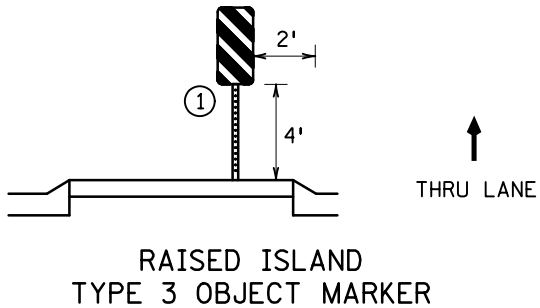
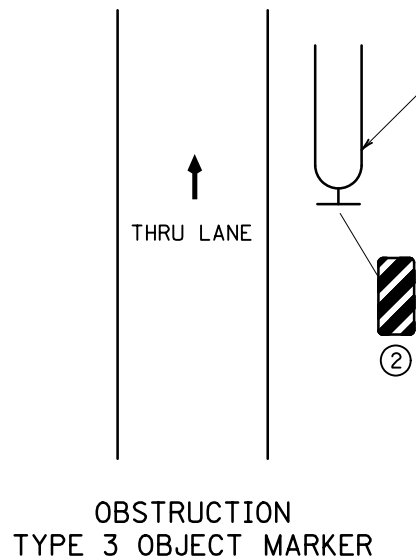
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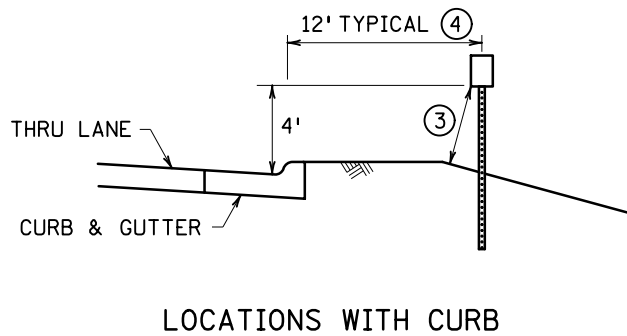
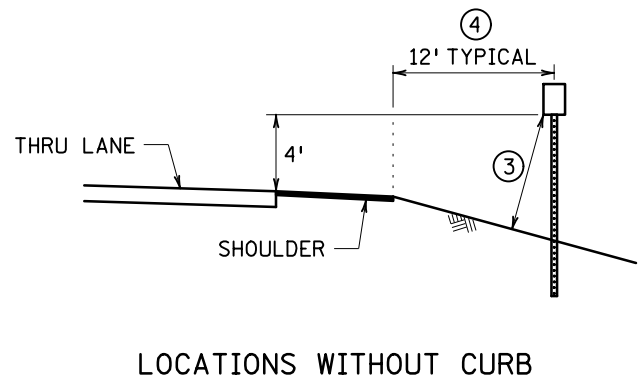
NOTES:

- PLACE SIGNS AND ORIENT THEM APPROXIMATELY AS SHOWN IN THE PLAN, AT RIGHT ANGLES TO THE DIRECTION OF, AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE, UNLESS OTHERWISE SPECIFIED. TO AVOID SPECULAR GLARE, TURN SIGNS APPROXIMATELY THREE DEGREES AWAY FROM APPROACHING TRAFFIC.
- IF A SIGN NEEDS TO BE REPOSITIONED FROM THE PROPOSED PLAN LOCATION IN ORDER TO AVOID CONFLICTS WITH UTILITIES OR OBSTACLES, CONTACT THE PROJECT ENGINEER.
- MOUNT SIGN FACES PLUMB.
- LATERAL CLEARANCES GIVEN APPLY TO RIGHT AND/OR LEFT SIDE INSTALLATION.
- ERECT OR CONSTRUCT SIGN SUPPORT SO THAT NO PORTION OF THE SIGN PANEL IS WITHIN 15' OF THE RAIL OF A RAILROAD TRACK.
- PLACE SIGNS SUCH THAT OBSTACLES DO NOT BLOCK THEM FROM BEING VIEWED BY THE APPROACHING TRAFFIC.
- PLACE SIGNS A MINIMUM OF 10' FROM THE NEAREST OBSTACLE. OBSTACLES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, TREES, SIGNS, AND BUILDINGS. SIGNS MAY BE PLACED CLOSER TO SIGNS IN TIGHT AREAS, BUT NO MORE THAN TWO POSTS IN A 7' DIAMETER CIRCLE.
- AVOID PLACING SIGNS IN DITCH BOTTOMS.
- ① ONLY USE WHEN BOULEVARD IS TOO NARROW TO OBTAIN ADEQUATE CURBED LOCATION SIGN OFFSETS.
- ② ALL SIGN MOUNTING HEIGHTS ARE MEASURED VERTICALLY FROM THE BOTTOM OF THE LOWEST SIGN PANEL TO THE TOP OF THE CURB, OR IN ABSENCE OF CURB, TO THE NEAR EDGE OF THE THRU-LANE PAVEMENT. SEE SIGN TABULATIONS.
- ③ MINIMUM OFFSET MAY BE REDUCED TO AT LEAST 6' FROM SHOULDER AND AT LEAST 12' FROM THRU LANE IF SITE CONDITIONS PROHIBIT A 12' OFFSET FROM SHOULDER.
- ④ CRASHWORTHY HEIGHT IS AT LEAST 7' FOR BREAKAWAY STRUCTURES AND AT LEAST 4' FOR BENDABLE STRUCTURES. SEE SPECIFIC SQUARE TUBE BASE STRUCTURE PLAN FOR CRASH RESPONSE TYPE. THE CRASHWORTHY HEIGHT IS MEASURED TO THE BOTTOM OF THE PRIMARY SIGN PANEL EXCLUDING ANY SECONDARY SIGN PANELS, MARKERS, DELINEATORS, AND REFERENCE LOCATION SIGN PANELS. ANY SECONDARY SIGN PANELS MOUNTED TO MORE THAN ONE POST ARE CONSIDERED PRIMARY SIGN PANELS FOR CRASHWORTHY PURPOSES.

LEAD EXPERT OFFICE	BRIAN SORENSON STATE TRAFFIC ENGINEER OFFICE OF TRAFFIC ENGINEERING	STANDARD SIGN PLACEMENT	APPROVED: 08-09-2023 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.701	1 OF 1
			STANDARD PLANS		STATE PROJ. NO. 1307-38	SHEET NO. 29
					(T.H. 95)	TOTAL SHEETS 65



MARKER TYPICAL PLACEMENT



DELINEATOR TYPICAL PLACEMENT

NOTES:

FOR DELINEATOR OFFSETS AT RAMP GORES, SEE STANDARD PLAN 5-297.703.

- ① PLACE MARKER AS CLOSE TO THE BEGINNING OF MEDIAN AS POSSIBLE.
- ② PLACE THE EDGE OF THE OBJECT MARKER THAT IS CLOSEST TO THE ROAD USER IN LINE WITH THE CLOSEST EDGE OF THE OBSTRUCTION. ANGLE THE STRIPES DOWNWARD TOWARDS THE SIDE TRAFFIC IS TO PASS THE OBSTRUCTION.
- ③ THE CRASHWORTHY HEIGHT FROM THE GROUND TO ANY PORTION OF THE SIGN PANEL IS AT LEAST 7' FOR BREAKAWAY STRUCTURES AND AT LEAST 4' FOR BENDABLE STRUCTURES. SEE SPECIFIC SQUARE TUBE BASE STRUCTURE PLAN FOR CRASH RESPONSE TYPE.
- ④ ADJUST OFFSET TO MATCH OTHER SIGN OFFSETS ALONG ROADWAY CORRIDOR, BUT NOT MORE THAN 12' NOR LESS THAN 2'.

LEAD
EXPERT
OFFICE

BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

DELINEATOR AND MARKER PLACEMENT

APPROVED: 02-28-2022
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.702

1 OF 1

STANDARD PLANS

STATE PROJ. NO. 1307-38

SHEET NO. 30

(T.H. 95)

TOTAL SHEETS 65

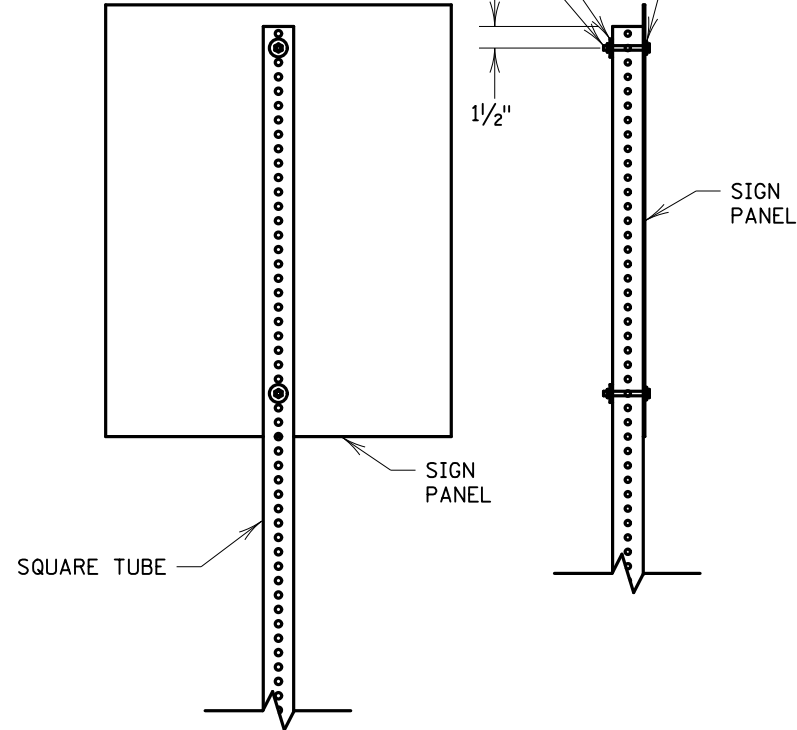
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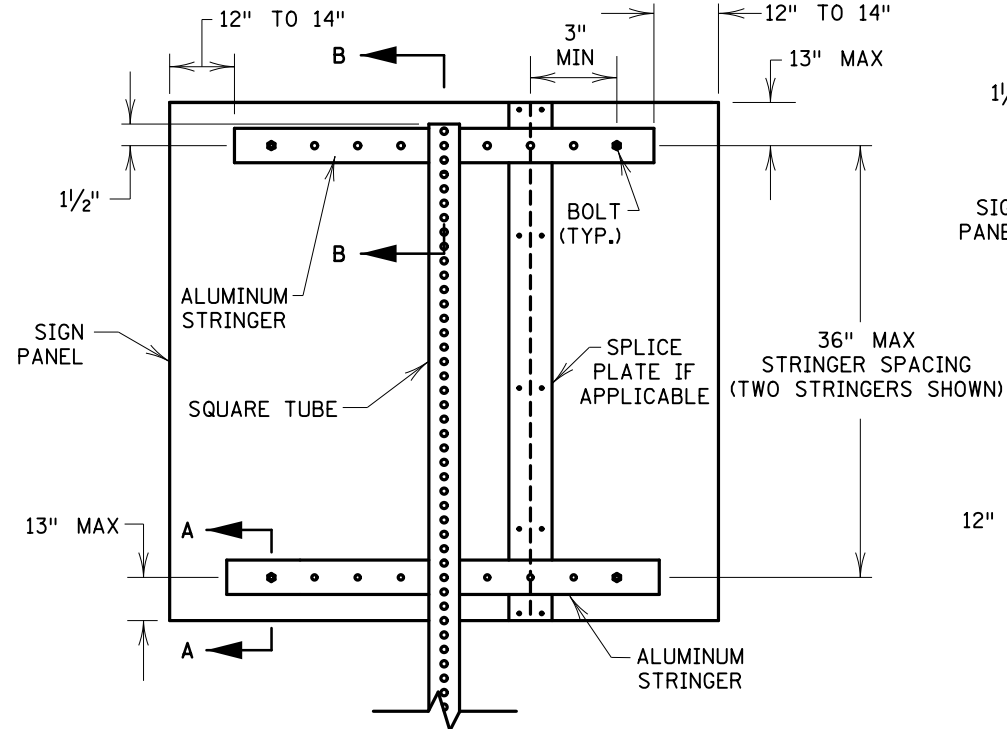
STAINLESS STEEL WASHER AND NYLON WASHER
(THICKNESS= $\frac{1}{32}$ " MIN, I.D.= $\frac{3}{8}$ " MAX, O.D.= $\frac{7}{8}$ " MAX)

TWO $\frac{1}{4}$ "x0.065" THICK
ZINC-COATED STEEL
FENDER WASHERS

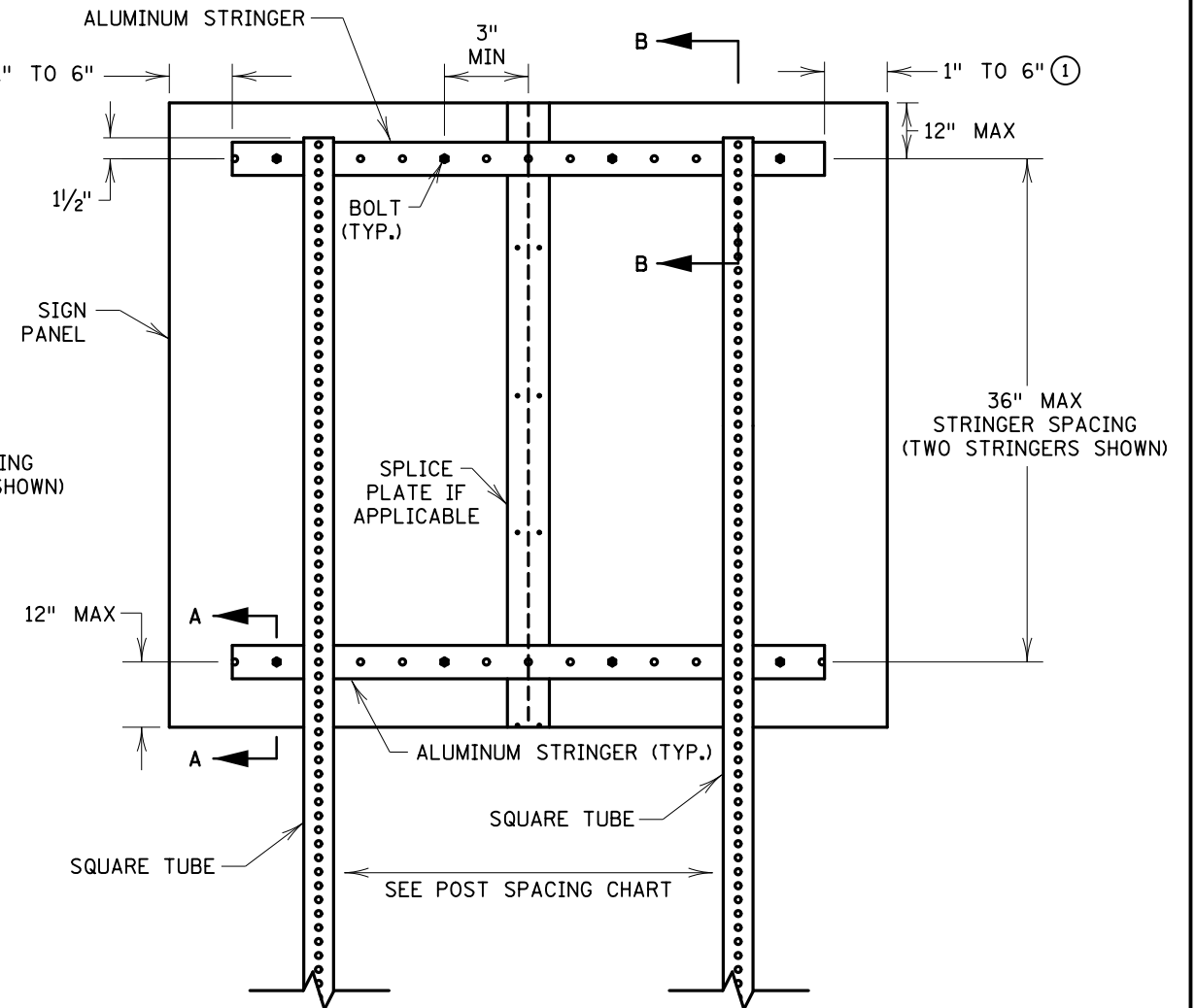
$\frac{5}{16}$ " STAINLESS STEEL BOLT
WITH ZINC-COATED STEEL
NYLON INSERT LOCK NUT



FOR SIGN PANELS UP TO 30" WIDE



FOR SIGN PANELS 36" WIDE
OR GREATER ON ONE POST



FOR SIGN PANELS ON TWO OR MORE POSTS

STAINLESS STEEL WASHER
AND NYLON WASHER
(THICKNESS= $\frac{1}{32}$ " MIN, I.D.= $\frac{3}{8}$ "
MAX, O.D.= $\frac{7}{8}$ " MAX)

$\frac{5}{16}$ " STAINLESS
STEEL BOLT WITH
ZINC-COATED STEEL
NYLON INSERT
LOCK NUT

ALUMINUM STRINGER

$\frac{3}{8}$ "-16x2" CARRIAGE BOLT
AND SERRATED FLANGE NUT

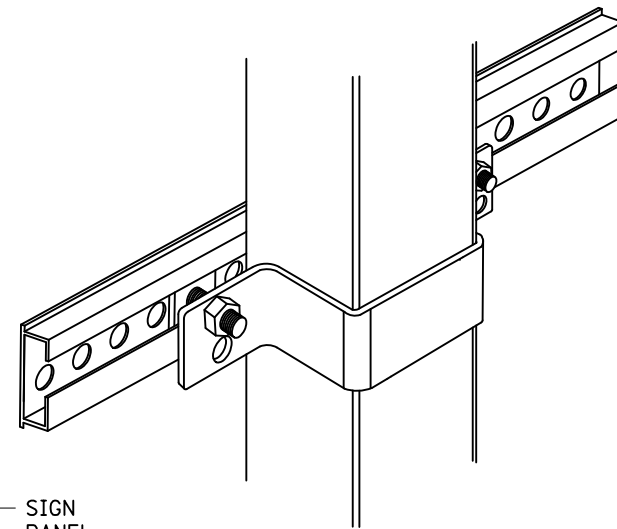
CLAMP
11GA TYPE 304, #2B
FINISHED STAINLESS STEEL

VIEW A-A

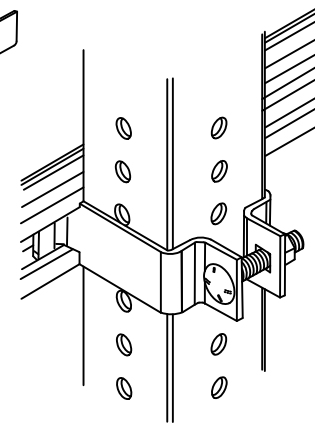
ALUMINUM STRINGER
SQUARE TUBE

1 1/2"

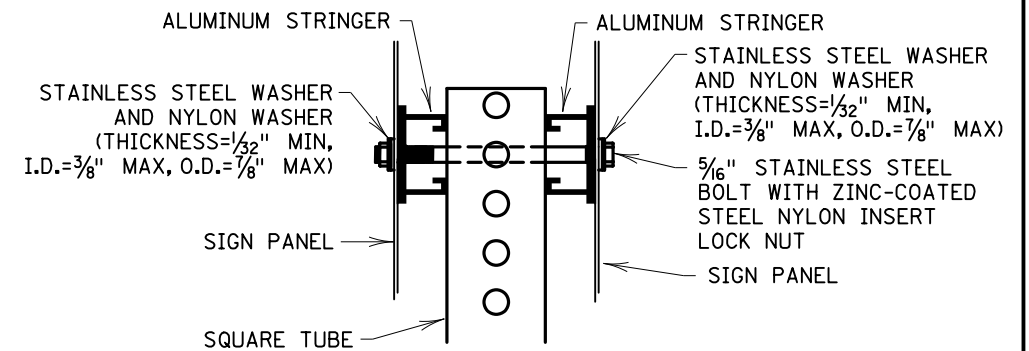
VIEW B-B



CLAMP DETAIL
4" SQUARE TUBE



CLAMP DETAIL
2" AND 2 1/2" SQUARE TUBE



BACK-TO-BACK SIGN MOUNTING
WITH STRINGERS

NOTES:

BOLT SIGN PANELS TO STRINGERS OR RISER POSTS AT NO GREATER THAN 24" SPACING OR ACCORDING TO THE MNDOT STANDARD SIGNS AND MARKINGS MANUAL FOR MOUNTING HOLES (PUNCH CODES) INFORMATION.

CENTER STRINGERS ON SIGN PANEL.

① IF POST SPACING REQUIRES PLACEMENT OF A POST WITHIN THIS AREA, EXTEND STRINGERS AS NEEDED TO ACCOMMODATE THE STRINGER TO POST CLAMP.

LEAD
EXPERT
OFFICE

BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

SQUARE-TUBE SIGN MOUNTING DETAILS

APPROVED: 08-09-2023
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.718

1 OF 3

STANDARD PLANS

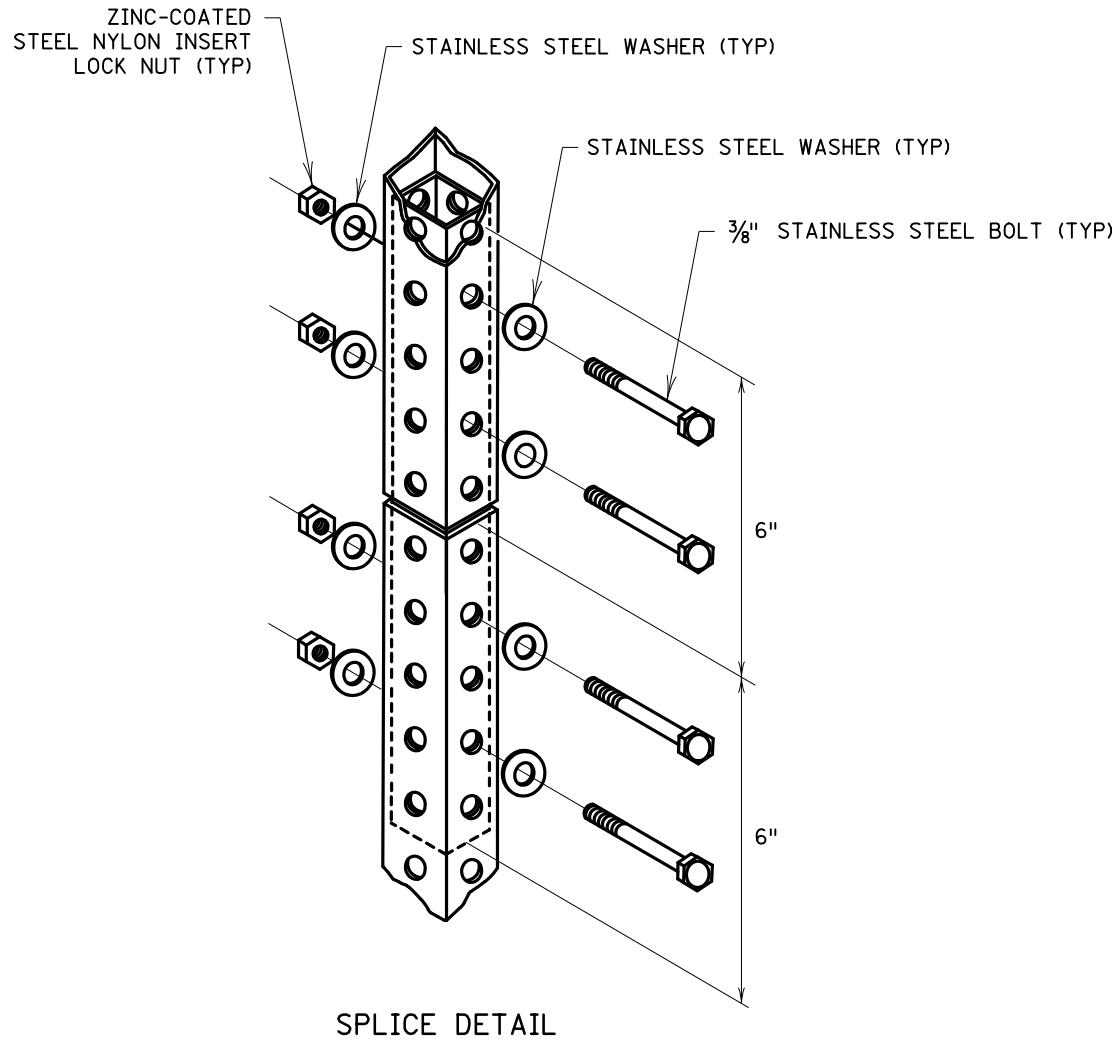
STATE PROJ. NO. 1307-38

SHEET NO. 31

(T.H. 95)

TOTAL SHEETS 65

PLOT NAME: d1307038_155spn
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_155spn.dgn
PLOTTED/REVISED: 21-MAY-2024



PANEL WIDTH	SQUARE TUBE POST SPACING						
	2 POSTS	3 POSTS	4 POSTS	5 POSTS	6 POSTS	7 POSTS	8 POSTS
(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)
42	15						
48	21						
54	30						
60	36						
66	36						
72	42						
78	42						
84	48						
90	48	42					
96	48	42					
102	54	42					
108	54	42					
114	60	42					
120	60	48					
126	66	48					
132	66	48	42				
138	72	48	42				
144	72	48	42				
150	78	54	42				
156	78	54	42				
162	84	54	42				
168	84	60	48				
174	90	60	48	42			
180	90	60	48	42			
186	96	66	48	42			
192	96	66	48	42			
198	102	66	54	42			
204	102	72	54	42			
210	108	72	54	42			
216	108	72	54	48	42		
222	114	78	60	48	42		
228	114	78	60	48	42		
234	120	78	60	48	42		
240	120	84	60	48	42		
246		84	66	54	42		
252		84	66	54	42		
258		90	66	54	42	42	
264		90	66	54	48	42	
270		90	72	54	48	42	
276		96	72	60	48	42	
282		96	72	60	48	42	
288		96	72	60	48	42	
294		102	78	60	54	42	
300		102	78	60	54	42	42
306		102	78	66	54	42	42
312		108	78	66	54	48	42
318		108	84	66	54	48	42
324		108	84	66	54	48	42
330		114	84	66	60	48	42
336		114	84	72	60	48	42

DISTANCES ARE CENTER-TO-CENTER OF POSTS

NOTES:

NO MORE THAN ONE SPLICE PER POST.

WHEN USED, THE SPLICE MUST BE PLACED AT LEAST 8' ABOVE GROUND. THE PREFERRED PLACEMENT LOCATION IS BEHIND THE SIGN PANEL.

INTERIOR POST STUD SHALL BE ONE SIZE SMALLER FOR TIGHT FIT. IF RISER POST IS 2½", INTERIOR POST IS 2⅝". IF RISER POST IS 2", INTERIOR POST IS 1¾".

LEAD EXPERT OFFICE	BRIAN SORENSON STATE TRAFFIC ENGINEER OFFICE OF TRAFFIC ENGINEERING	SQUARE-TUBE SIGN MOUNTING DETAILS	APPROVED: 08-09-2023 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.718	2 OF 3
			STANDARD PLANS		STATE PROJ. NO. 1307-38	SHEET NO. 32
					(T.H. 95)	TOTAL SHEETS 65

PLOTTED/REVISED:

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PATH & FILENAME: Projects\DM_1307\038\Design\PlanSheets\d1307038_155spn.dgn

[illegible][illegible]

LEAD EXPERT OFFICE	BRIAN SORENSON STATE TRAFFIC ENGINEER OFFICE OF TRAFFIC ENGINEERING
--------------------------	---

SQUARE-TUBE SIGN MOUNTING DETAILS

APPROVED: 08-09-2023
REVISED:


 THOMAS STYRBICKI
 STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.718

3 OF 3

STANDARD PLANS

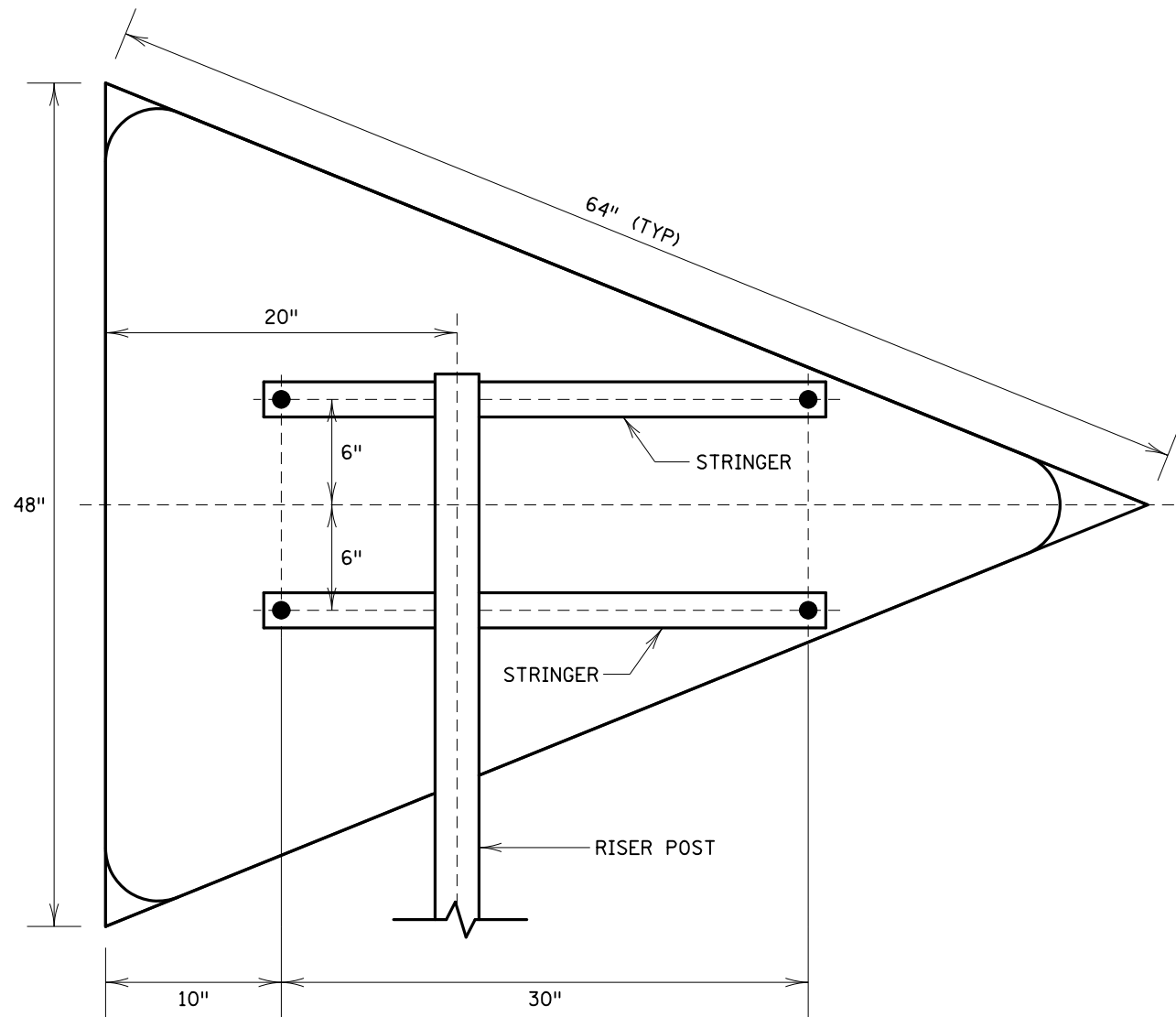
STATE PROJ. NO. 1307-38

SHEET NO. 33

(T.H. 95)

TOTAL SHEETS	65
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PLOTTED/REVISED: 21-MAY-2024



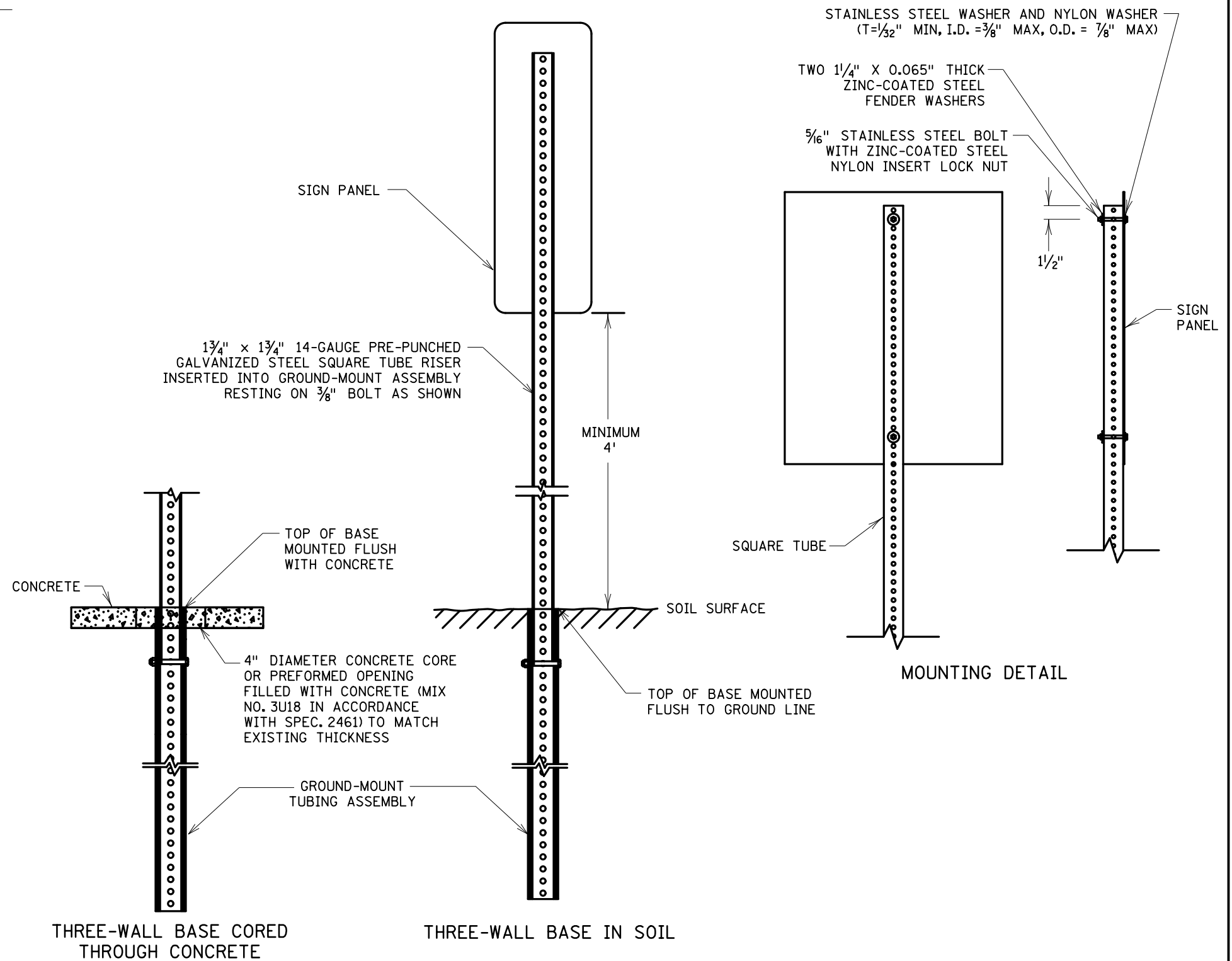
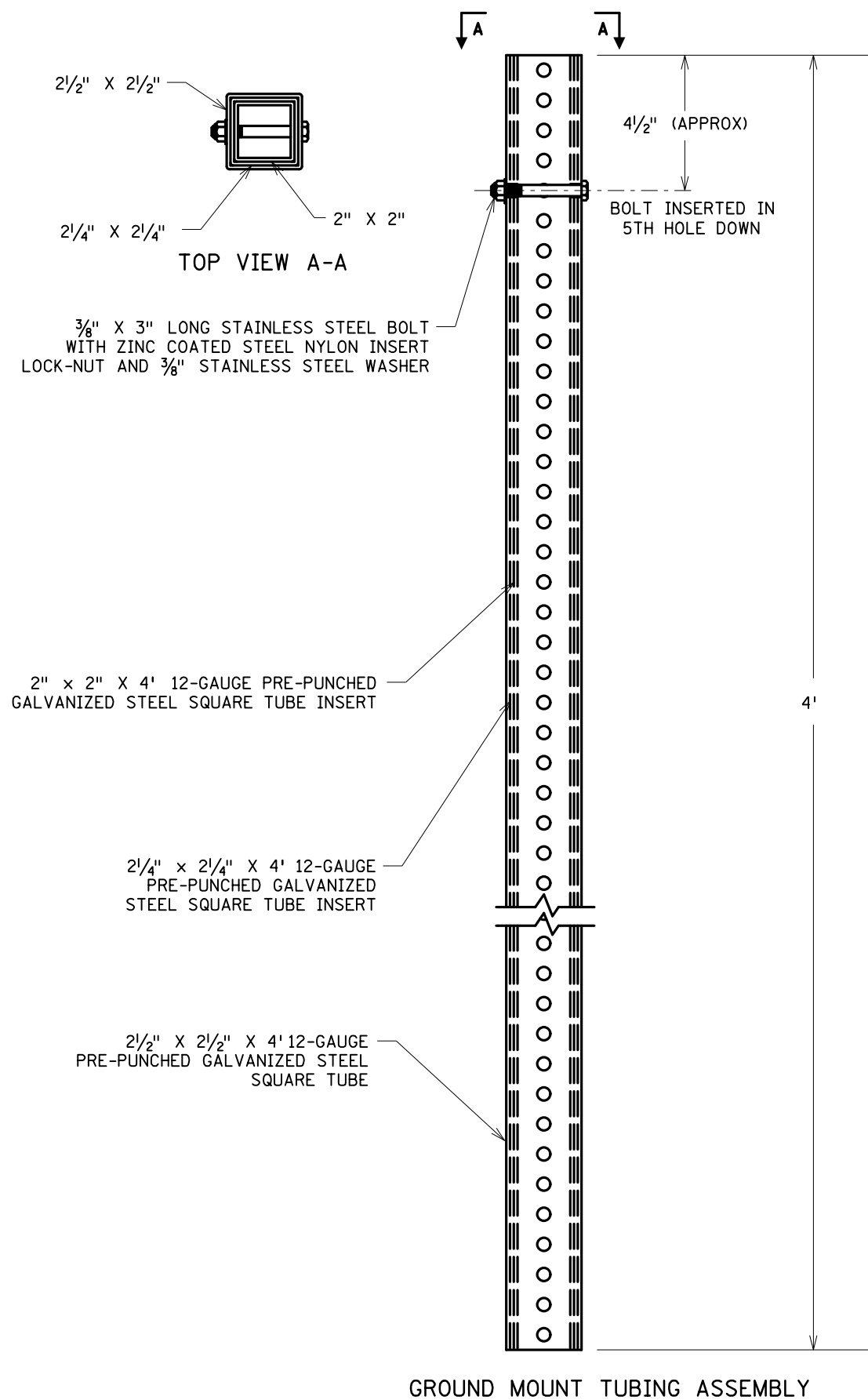
NO PASSING ZONE MOUNTING DETAIL

NOTES:

STRINGER SPACING TO MATCH VERTICAL PUNCHING SPACING FOR SIGN PANELS.

SEE STANDARD PLAN 5-297.718 FOR ADDITIONAL MOUNTING DETAILS.

LEAD EXPERT OFFICE	BRIAN SORENSON STATE TRAFFIC ENGINEER OFFICE OF TRAFFIC ENGINEERING		SQUARE TUBE NO PASSING ZONE SIGN MOUNTING DETAILS	APPROVED: 08-09-2023 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.720	1 OF 1
				STANDARD PLANS		STATE PROJ. NO. 1307-38	SHEET NO. 34
						(T.H. 95)	TOTAL SHEETS 65



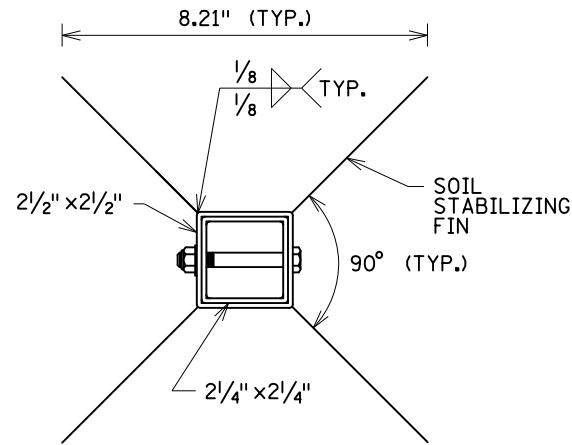
NOTES:

THE CRASH RESPONSE FOR THIS STRUCTURE IS BENDABLE.

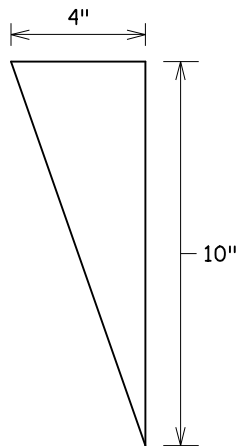
TO MEET CRASHWORTHY REQUIREMENTS THE DISTANCE BETWEEN THE BOTTOM OF THE SIGN PANEL AND THE GROUND SURFACE BELOW ANY PORTION OF THE SIGN PANEL SHALL BE A MINIMUM OF 4'.SEE TABULATIONS FOR MOUNTING HEIGHT.

SQUARE TUBE SIGN POSTS PER MnDOT SPEC. 3402.

LEAD EXPERT OFFICE BRIAN SORENSON STATE TRAFFIC ENGINEER OFFICE OF TRAFFIC ENGINEERING		THREE-WALL BASE FOR 1¾" SQUARE-TUBE RISER POST	APPROVED: 11-29-2022 REVISED:	 THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.721	1 OF 1
			STANDARD PLANS	STATE PROJ. NO. 1307-38	SHEET NO. 35	
				(T.H. 95)	TOTAL SHEETS 65	



VIEW A-A



SOIL STABILIZING FIN
FOUR REQUIRED

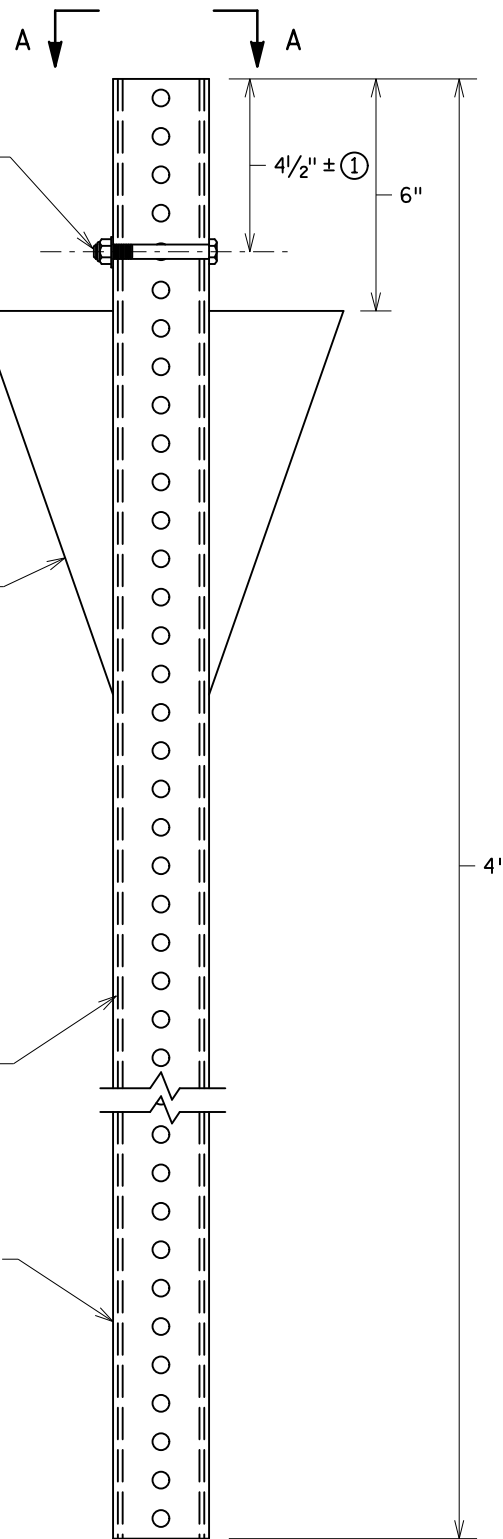
12-GAUGE PRE-GALVANIZED ASTM A569 STEEL.
WELD THE 10" EDGE OF EACH FIN TO EACH
CORNER OF THE 2½" SQUARE TUBE. SEE VIEW
A-A FOR WELDING DETAILS. WELDS MUST BE
ZINC-COATED.

⅜" x 3" LONG STAINLESS STEEL
BOLT WITH ZINC-COATED STEEL
NYLON INSERT LOCK-NUT AND
⅜" STAINLESS STEEL WASHER

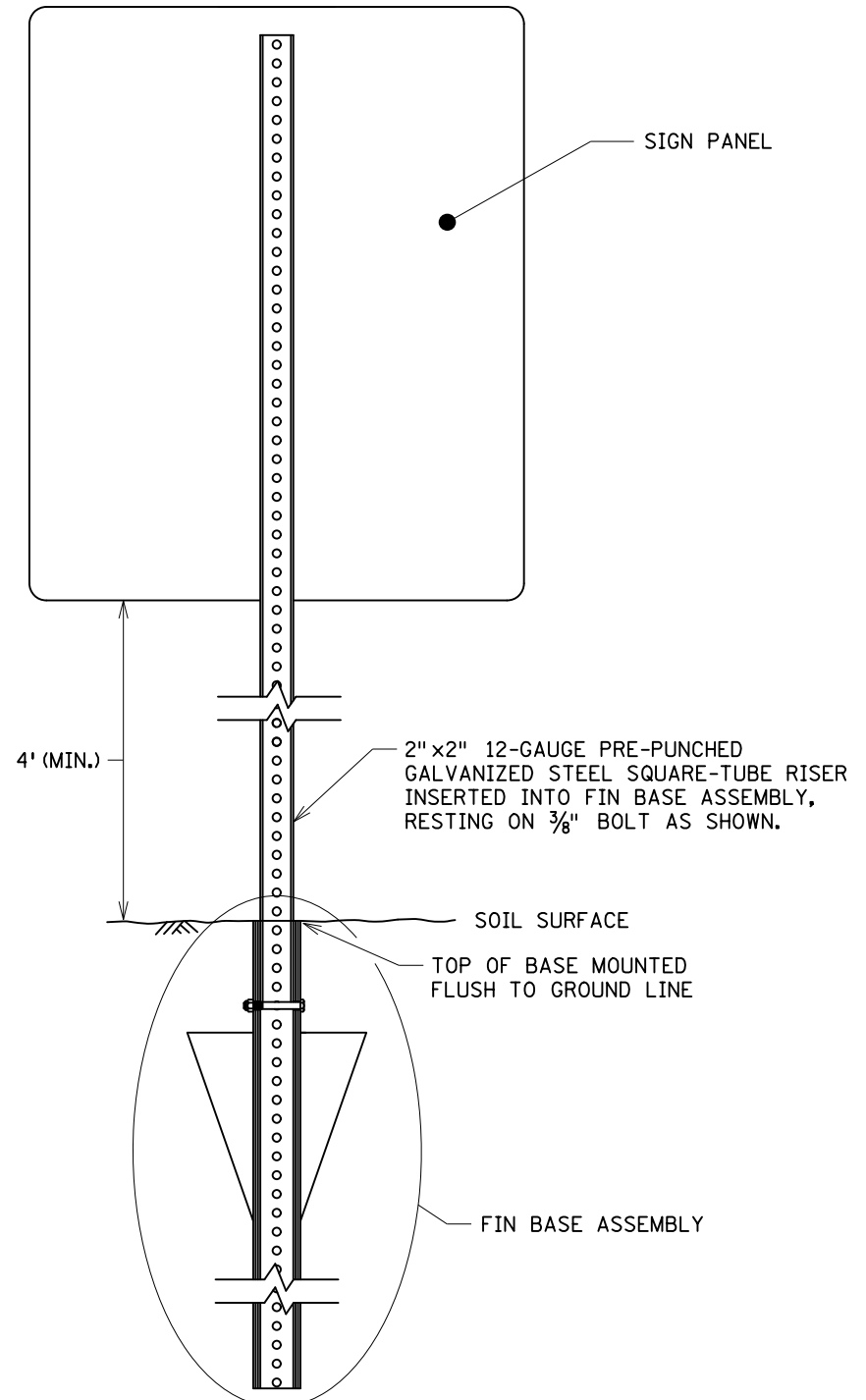
SOIL
STABILIZING
FIN

2¼" x 2¼" x 4' 12-GAUGE
PRE-PUNCHED GALVANIZED
STEEL SQUARE-TUBE INSERT

2½" x 2½" x 4' 12-GAUGE
PRE-PUNCHED GALVANIZED
STEEL SQUARE TUBE



FIN BASE ASSEMBLY



NOTES:

THE CRASH RESPONSE TYPE FOR THIS STRUCTURE IS BENDABLE.

TO MEET CRASHWORTHY REQUIREMENTS, THE DISTANCE BETWEEN THE BOTTOM OF THE SIGN PANEL
AND THE GROUND SURFACE BELOW ANY PORTION OF THE SIGN PANEL MUST BE A MINIMUM OF 4'.
SEE TABULATIONS FOR MOUNTING HEIGHT.

SEE STANDARD PLAN 5-297.718 FOR ADDITIONAL MOUNTING DETAILS.

SQUARE-TUBE SIGN POSTS IN ACCORDANCE WITH SPEC. 3402.

① INSERT BOLT IN 5TH HOLE DOWN.

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OFFICE

BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

FIN BASE
FOR 2" SQUARE-TUBE RISER POST IN SOIL

APPROVED: 08-09-2023
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.722

1 OF 1

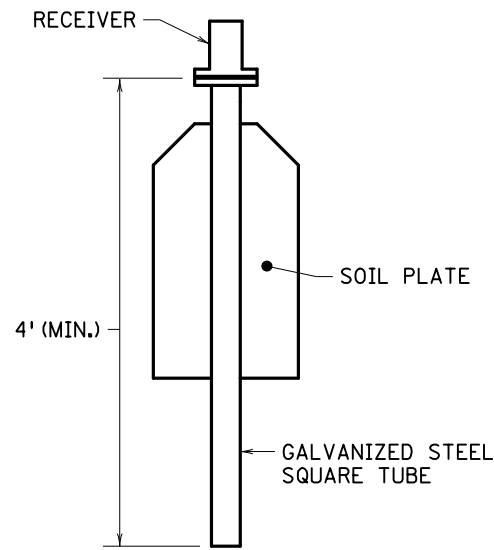
STANDARD PLANS

STATE PROJ. NO. 1307-38

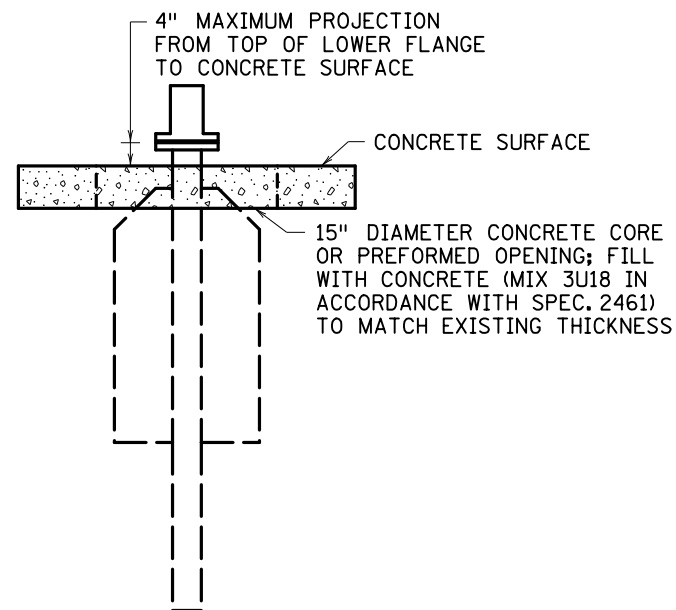
SHEET NO. 36

(T.H. 95)

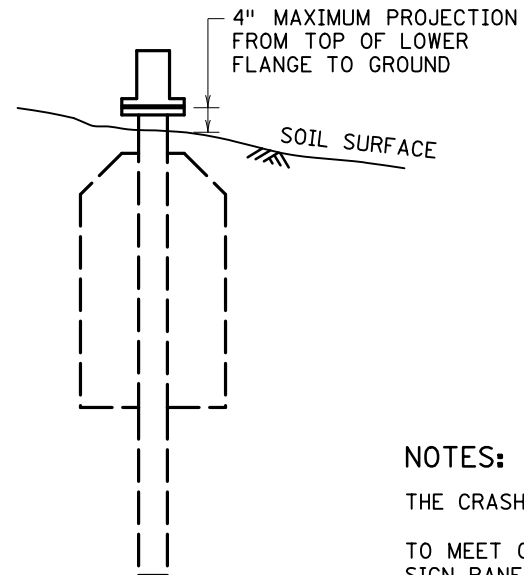
TOTAL SHEETS 65



PROPRIETARY SLIP BASE ASSEMBLY ①



SLIP BASE ASSEMBLY IN CONCRETE



SLIP BASE ASSEMBLY IN SOIL

$\frac{5}{16}$ " STAINLESS STEEL BOLT WITH ZINC-COATED STEEL NYLON INSERT LOCK NUT; PLACE THROUGH RISER AND INSERT

$2\frac{1}{2}$ " x $2\frac{1}{2}$ " 10-GAUGE PRE-PUNCHED GALVANIZED STEEL SQUARE-TUBE RISER. PLACE $2\frac{3}{16}$ " x $2\frac{3}{16}$ " x 8' LONG 10-GAUGE PRE-PUNCHED GALVANIZED STEEL SQUARE-TUBE INSERT INSIDE BOTTOM 8' OF RISER.

SLIP BASE MUST BE DRIVEN INTO GROUND TO COMPLETELY BURY THE SOIL PLATE

SOIL SURFACE

SLIP BASE ASSEMBLY WITH SINGLE-POST SIGN
TYPICAL PLACEMENT IN SOIL

NOTES:

THE CRASH RESPONSE TYPE FOR THIS STRUCTURE IS BREAKAWAY.

TO MEET CRASHWORTHY REQUIREMENTS, THE DISTANCE BETWEEN THE BOTTOM OF THE PRIMARY SIGN PANEL AND THE GROUND SURFACE BELOW ANY PORTION OF THE PRIMARY SIGN PANEL MUST BE A MINIMUM OF 7'. SEE SIGNING PLAN TABULATIONS FOR MOUNTING HEIGHT.

$\frac{1}{16}$ "-THICK LEVELING SHIMS MAY BE USED TO PLUMB TOP HALF. PLACE SHIMS UNDER TEFLON-COATED SLIP WASHER. MAXIMUM OF TWO SHIMS PER NOTCH POINT.

FOR SIGN PANEL MOUNTING DETAILS, SEE STANDARD PLAN 5-297.718.

SQUARE TUBE SIGN POST IN ACCORDANCE WITH MnDOT SPEC. 3402.

SIGN PANEL

7' (MIN.)

$\frac{5}{16}$ " STAINLESS STEEL BOLT WITH ZINC-COATED STEEL NYLON INSERT LOCKNUT; PLACE THROUGH RISER AND INSERT

7' (MIN.) ON SHORTER POST

1" INCREMENTS

$2\frac{1}{2}$ " x $2\frac{1}{2}$ " 10-GAUGE PRE-PUNCHED GALVANIZED STEEL SQUARE-TUBE RISER. PLACE $2\frac{3}{16}$ " x $2\frac{3}{16}$ " x 8' LONG 10-GAUGE PRE-PUNCHED GALVANIZED STEEL SQUARE-TUBE INSERT INSIDE BOTTOM 8' OF RISER.

SOIL SURFACE

SPREAD DISTANCE $\pm \frac{1}{8}$ "

SLIP BASE ASSEMBLY WITH MULTIPLE-POST SIGN ②
TYPICAL PLACEMENT IN SOIL

① USE APPROVED PRODUCT FROM THE SIGN STRUCTURES PAGE OF THE SIGNING SECTION OF THE APPROVED PRODUCTS LIST.

② FOR MULTIPLE-POST APPLICATIONS, ENSURE SOIL PLATES ARE COMPLETELY BURIED. IF SOIL SURFACE IS NOT LEVEL, DRIVE THE BASES UNTIL THEY ARE OFFSET IN 1" INCREMENTS. THE BASES MUST BE TRUE AND SQUARE WITH ONE ANOTHER TO ENSURE PROPER UNRESTRICTED INSERTION OF STEEL TUBE RISERS. MOUNT SIGN PANELS LEVEL.

LEAD
EXPERT
OFFICE

BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

SLIP BASE ASSEMBLY
FOR $2\frac{1}{2}$ " SQUARE-TUBE RISER POST

APPROVED: 08-09-2023
REVISED:

THOMAS STYRBICKI
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.724

1 OF 1

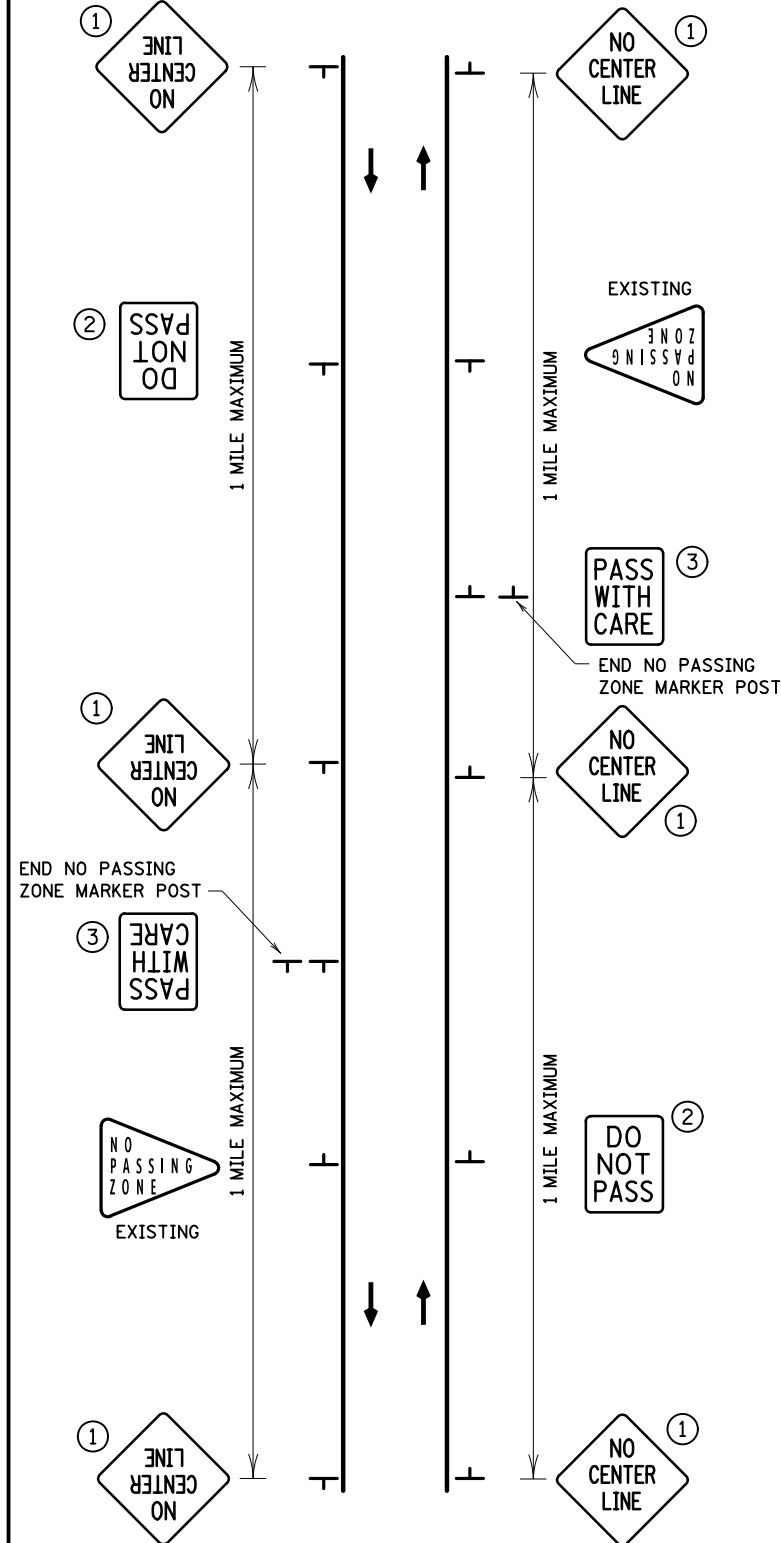
STANDARD PLANS

STATE PROJ. NO. 1307-38

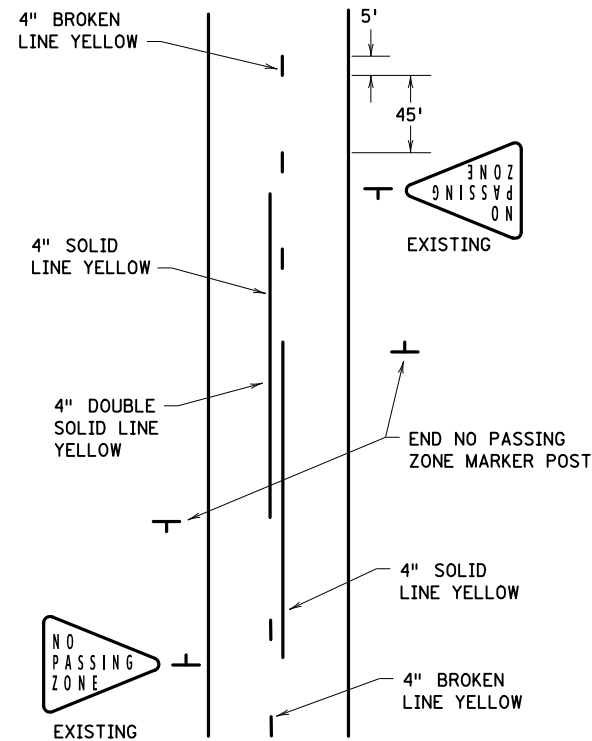
SHEET NO. 37

(T.H. 95)

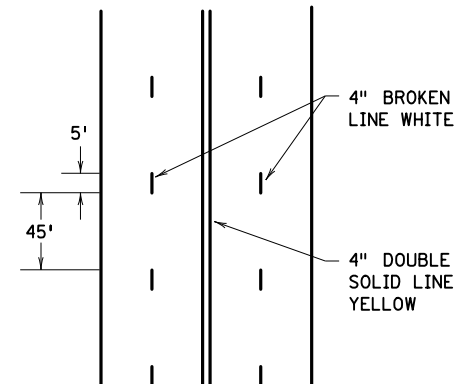
TOTAL SHEETS 65

TWO-LANE, TWO-WAY
LESS THAN 400 ADT
WITHOUT MARKINGS

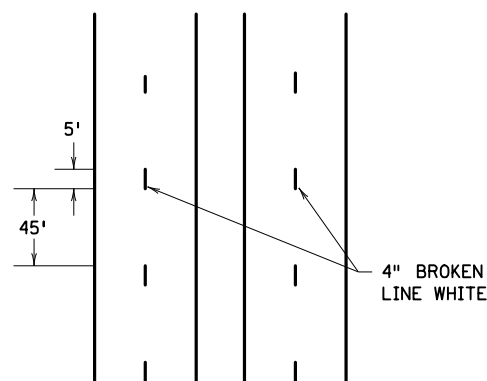
TWO-LANE, TWO-WAY



MULTI-LANE, UNDIVIDED



MULTI-LANE, DIVIDED



GENERAL NOTES:

SEE MnDOT SPEC. 2580 (INTERIM PAVEMENT MARKING).

DO NOT OPEN ANY ROADWAY SEGMENT TO TRAFFIC UNLESS THE FOLLOWING MARKINGS (INTERIM OR PERMANENT) ARE INPLACE: CENTERLINE MARKINGS (INCLUDING NO PASSING ZONES), FLUSH MEDIANS (EXCLUDING CROSSHATCHING), AND LANE LINE (INCLUDING TURN AND AUXILIARY LANE LINES). THIS REQUIREMENT IS WAIVED FOR TANGENT ROAD SEGMENTS LESS THAN 350' IN LENGTH AND CURVED ROAD SEGMENTS WITH DEGREES OF CURVE GREATER THAN 6 DEGREES FOR LESS THAN 50' IN LENGTH.

PLACE INTERIM BROKEN LINE PAVEMENT MARKINGS AT THE SAME CYCLE LENGTH AS FINAL PAVEMENT MARKINGS WITH A MINIMUM LENGTH OF 5 FEET; IF FINAL PAVEMENT MARKING PLAN IS NOT PROVIDED, THE CYCLE LENGTH SHALL BE 50'. PLACE INTERIM DOTTED LINE PAVEMENT MARKINGS AT THE SAME CYCLE LENGTH AND LINE LENGTH AS SHOWN IN THE PLAN; IF FINAL PAVEMENT MARKING PLAN IS NOT PROVIDED, THE CYCLE LENGTH SHALL BE 15' WITH A LINE LENGTH OF 3'.

FOR NO PASSING ZONE LOCATIONS, REFER TO THE SIGNING OR PAVEMENT MARKING PLAN; IF NEITHER IS PROVIDED, FOLLOW INPLACE NO PASSING ZONES.

WHEN PERMANENT PAVEMENT MARKINGS ARE TO BE MULTI-COMPONENT LIQUID AND PAINT IS USED FOR THE INTERIM MARKINGS, PLACE A 10 MIL THICK LAYER OF PAINT. REMOVAL OF THE 10 MIL LAYER OF PAINT IS NOT REQUIRED PRIOR TO PLACING THE MULTI-COMPONENT LIQUID. IF THE LAYER OF PAINT IS GREATER THAN 10 MIL, REMOVE THE PAINT PRIOR TO PLACING THE MULTI-COMPONENT LIQUID.

PLACE INTERIM MARKINGS ON THE FINAL PERMANENT PAVEMENT SURFACE SUCH THAT THEY WILL BE FULLY COVERED BY THE PERMANENT PAVEMENT MARKINGS.

INTERIM PAVEMENT MARKINGS SHOULD NOT BE LEFT INPLACE FOR MORE THAN 14 CALENDAR DAYS UNLESS THEY MEET THE REQUIREMENTS OF PERMANENT OR TEMPORARY MARKINGS.

USING SIGNING IN LIEU OF INTERIM PAVEMENT MARKINGS ON TWO-LANE, TWO-WAY ROADWAYS

ON ROADS WITH AN AVERAGE DAILY TRAFFIC (ADT) OF LESS THAN 400 VEHICLES, THE SIGNS AS SHOWN MAY BE USED IN LIEU OF PAVEMENT MARKINGS FOR UP TO 14 CALENDAR DAYS OR AS DIRECTED BY THE ENGINEER.

- PLACE A "NO CENTER LINE" SIGN (W8-12, BLACK ON ORANGE) FOR EACH DIRECTION OF TRAVEL. PLACE ADDITIONAL SIGNS AT MAJOR INTERSECTIONS OR ONE MILE INCREMENTS, WHICHEVER IS LESS.
- IF NOT ALREADY INPLACE, PLACE A "DO NOT PASS" SIGN (R4-1) OPPOSITE OF EACH INPLACE "NO PASSING ZONE" SIGN (W14-3).
- PLACE A "PASS WITH CARE" SIGN (R4-2) AT THE END OF EACH NO PASSING ZONE, ADJACENT TO THE END OF NO PASSING ZONE MARKER POST.

USING TEMPORARY RAISED PAVEMENT MARKERS (TRPMS) AS INTERIM PAVEMENT MARKING

WHEN USING TRPMS AS INTERIM PAVEMENT MARKINGS, FOLLOW THE REQUIREMENTS BELOW UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

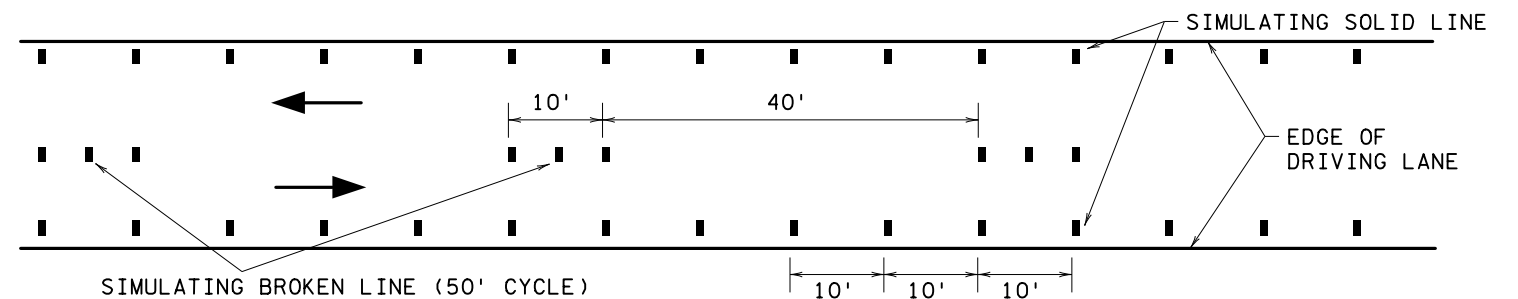
USE DOUBLE-SIDED TRPMS ON TWO-LANE, TWO-WAY ROADS.

BROKEN LINE: USE 3 TRPMS PER 10' BROKEN LINE, 5' SPACING WITH A 40' GAP.

SOLID LINE: USE CONTINUOUS TRPMS; 10' SPACING FOR TANGENTS AND CURVES UNDER 6 DEGREES; 5' SPACING FOR CURVES ≥ 6 DEGREES, GRADES > 5 PERCENT, OR CONCRETE PAVEMENTS.

DOUBLE SOLID LINE: USE TWO CONTINUOUS TRPMS 4" APART, 10' SPACING ON TANGENTS AND CURVES UNDER 6 DEGREES; 5' SPACING FOR CURVES ≥ 6 DEGREES, GRADES > 5 PERCENT, OR CONCRETE PAVEMENTS.

SIMULATING A SOLID LINE AND A BROKEN LINE (50' CYCLE) WITH TRPMS



LEAD
EXPERT
OFFICE

BRIAN SORENSON
STATE TRAFFIC ENGINEER
OFFICE OF TRAFFIC ENGINEERING

INTERIM PAVEMENT MARKINGS AND SIGNING

APPROVED: 10-10-2019
REVISED:

Peter A. Harff
PETER A. HARFF
STATE DESIGN ENGINEER

STANDARD
PLAN
5-297.801

1 OF 1

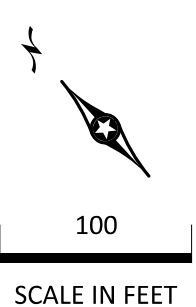
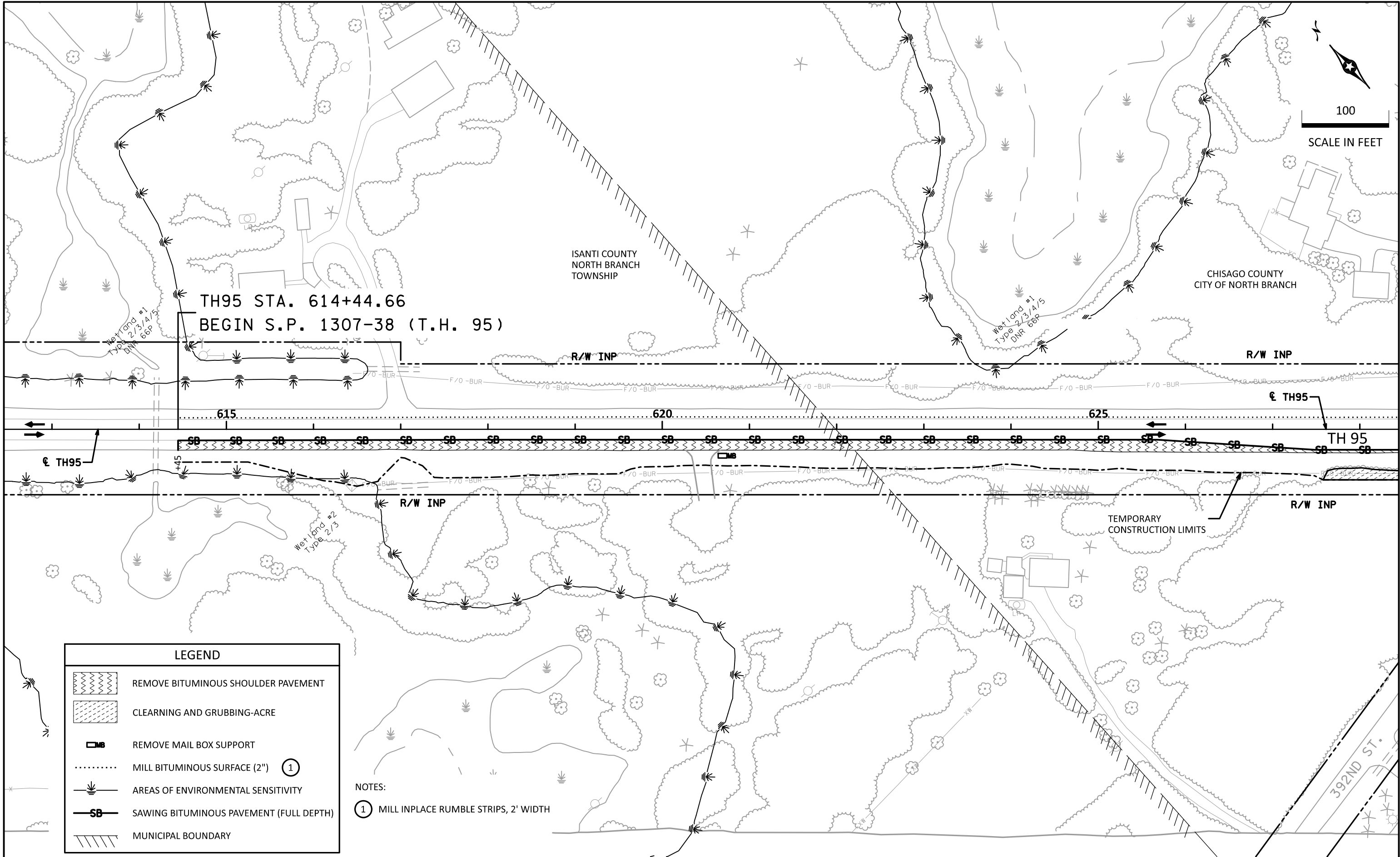
STANDARD PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 37A
TOTAL SHEETS 65

PLOTTED/REVISED: 2-JUL-2024

PLOT NAME: d1307038_164byp
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_164byp.dgn



LEGEND

- REMOVE BITUMINOUS SHOULDER PAVEMENT
- CLEARING AND GRUBBING-ACRE
- REMOVE MAIL BOX SUPPORT
- MILL BITUMINOUS SURFACE (2")
- AREAS OF ENVIRONMENTAL SENSITIVITY
- SAWING BITUMINOUS PAVEMENT (FULL DEPTH)
- MUNICIPAL BOUNDARY

NOTES:
① MILL INPLACE RUMBLE STRIPS, 2' WIDTH



Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

TEMPORARY REMOVAL PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

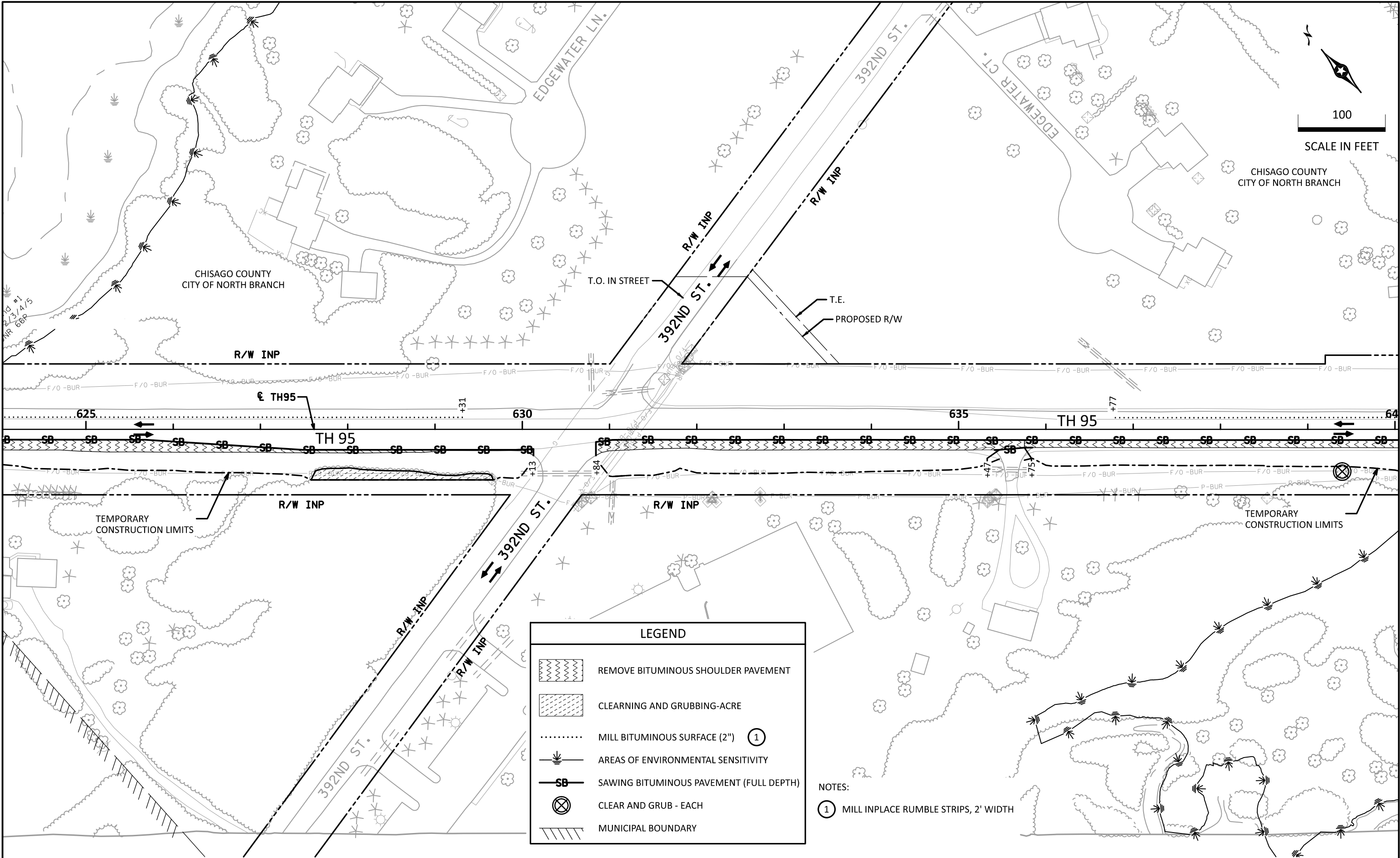
SHEET NO. 38
TOTAL SHEETS 65

SHEET 1 OF 3

2-JUL-2024

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PLOT NAME: d1307038_164byp
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_164byp.dgn



LEGEND

- REMOVE BITUMINOUS SHOULDER PAVEMENT
- CLEARING AND GRUBBING-ACRE
- MILL BITUMINOUS SURFACE (2") ①
- AREAS OF ENVIRONMENTAL SENSITIVITY
- SAWING BITUMINOUS PAVEMENT (FULL DEPTH)
- CLEAR AND GRUB - EACH
- MUNICIPAL BOUNDARY

NOTES:

- ① MILL INPLACE RUMBLE STRIPS, 2' WIDTH

SHEET 2 OF 3



Chad Casey

LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

TEMPORARY REMOVAL PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 39
TOTAL SHEETS 65



TH95 STA. 648+16.09
END S.P. 1307-38 (T.H. 95)

R/W INP

R/W INP

TH 95

.640.

...645

650

TEMPORARY CONSTRUCTION LIMITS

R/W INP

R/W INP

LEGEND

- | | |
|--|---|
|  | REMOVE BITUMINOUS SHOULDER PAVEMENT |
|  | CLEARING AND GRUBBING-ACRE |
|  | MILL BITUMINOUS SURFACE (2") ① |
|  | AREAS OF ENVIRONMENTAL SENSITIVITY |
|  | SAWING BITUMINOUS PAVEMENT (FULL DEPTH) |
|  | REMOVE PIPE APRON |
|  | CLEAR AND GRUB - EACH |

NOTES:

- ① MILL INPLACE RUMBLE STRIPS, 2' WIDTH

SHEET 3 OF 3




 LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

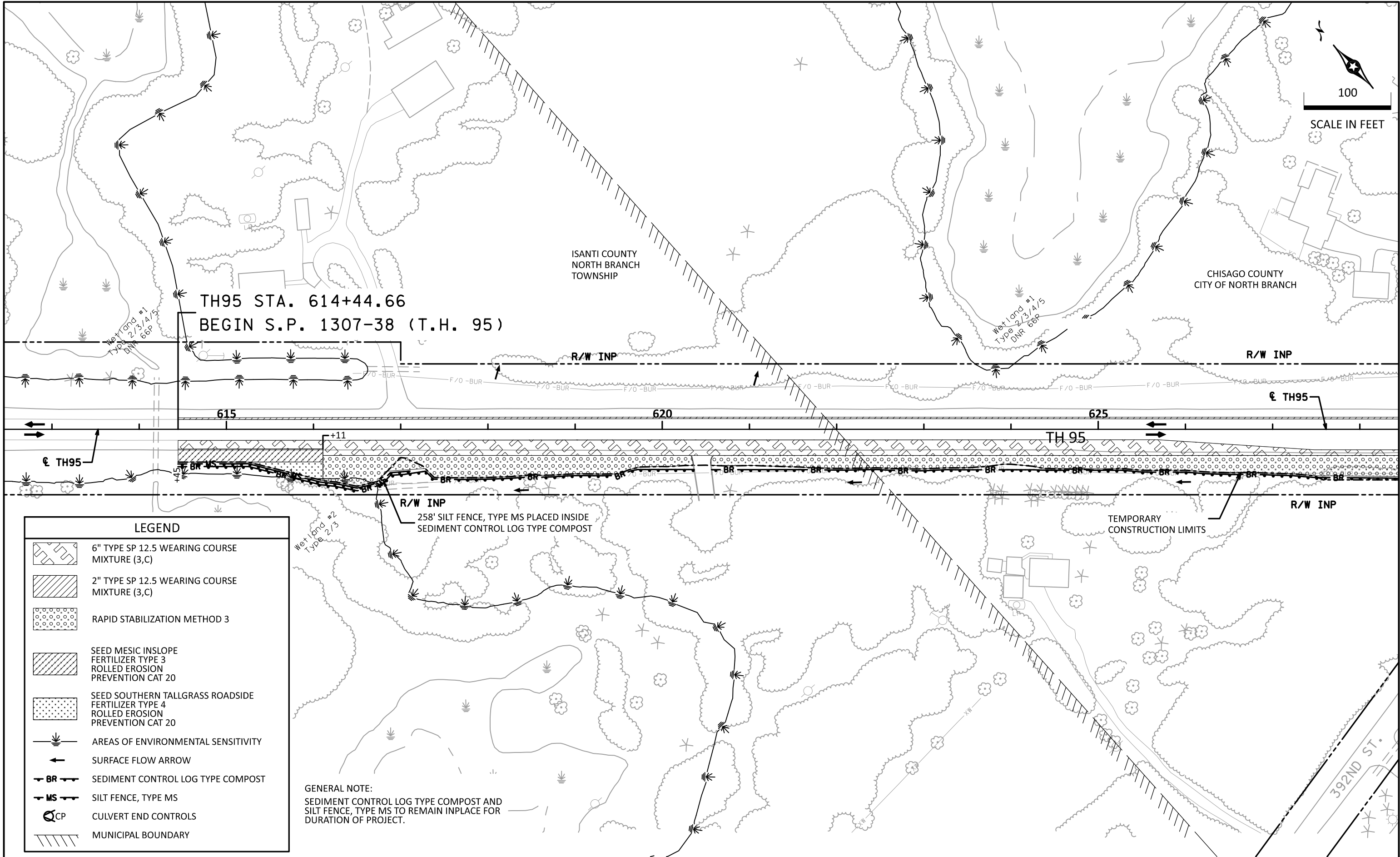
TEMPORARY REMOVAL PLANS

STATE PROJ. NO.	1307-38
(T.H. 95)	

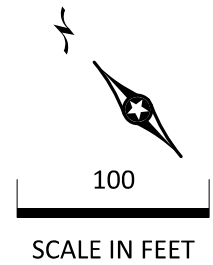
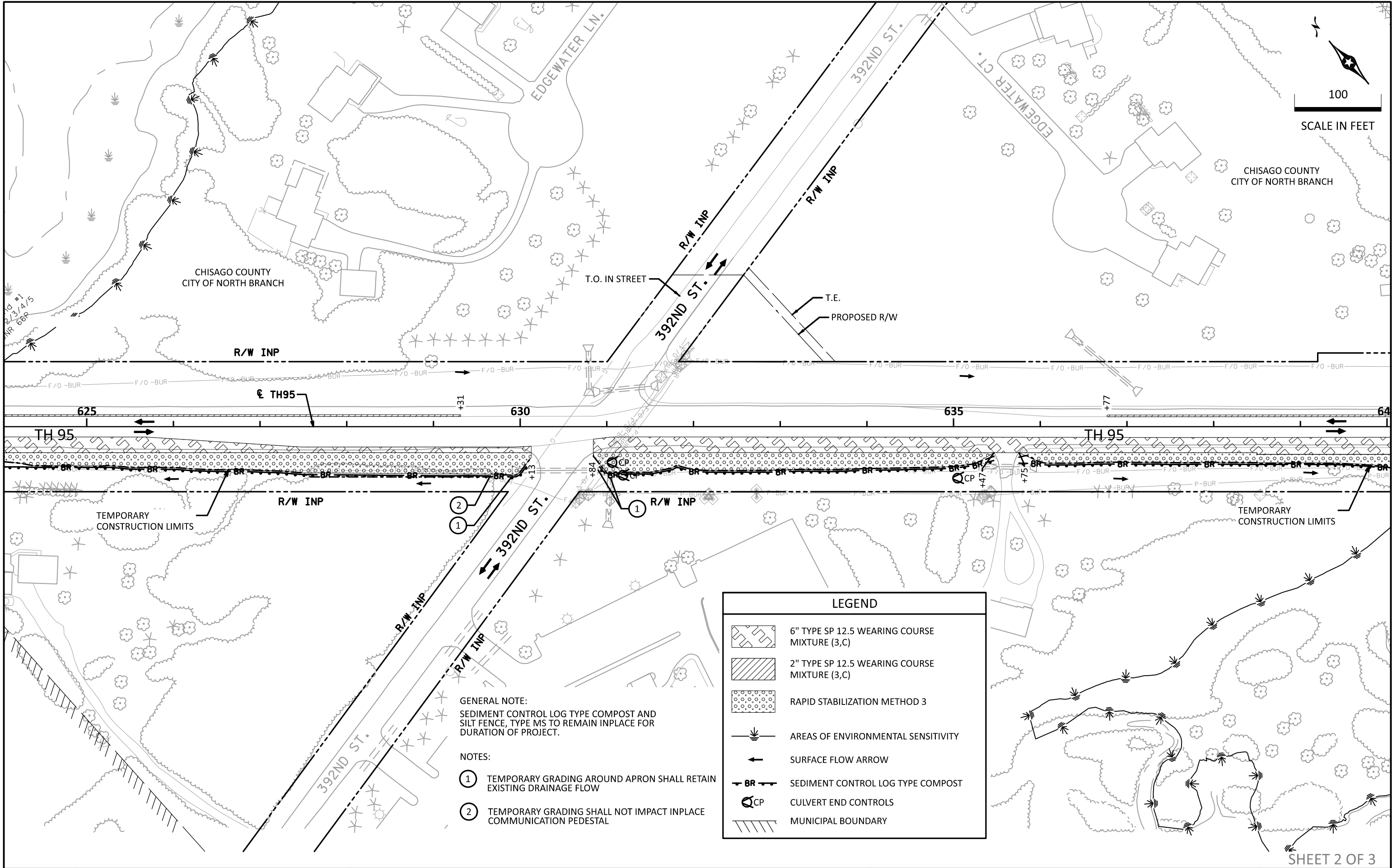
SHEET NO.	40
TOTAL SHEETS	65

PLOTTED/REVISED: 2-JUL-2024

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PLOTTED/REVISED: 2-JUL-2024



CHISAGO COUNTY
CITY OF NORTH BRANCH

CHISAGO COUNTY
CITY OF NORTH BRANCH

T.O. IN STREET

T.E.

PROPOSED R/W

R/W INP

TH 95

TH 95

TEMPORARY
CONSTRUCTION LIMITS

TEMPORARY
CONSTRUCTION LIMITS

GENERAL NOTE:
SEDIMENT CONTROL LOG TYPE COMPOST AND
SILT FENCE, TYPE MS TO REMAIN INPLACE FOR
DURATION OF PROJECT.

NOTES:

- 1 TEMPORARY GRADING AROUND APRON SHALL RETAIN
EXISTING DRAINAGE FLOW
- 2 TEMPORARY GRADING SHALL NOT IMPACT INPLACE
COMMUNICATION PEDESTAL

LEGEND

- 6" TYPE SP 12.5 WEARING COURSE
MIXTURE (3,C)
- 2" TYPE SP 12.5 WEARING COURSE
MIXTURE (3,C)
- RAPID STABILIZATION METHOD 3
- AREAS OF ENVIRONMENTAL SENSITIVITY
- SURFACE FLOW ARROW
- SEDIMENT CONTROL LOG TYPE COMPOST
- CULVERT END CONTROLS
- MUNICIPAL BOUNDARY

SHEET 2 OF 3



Chad Casey
LICENCED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

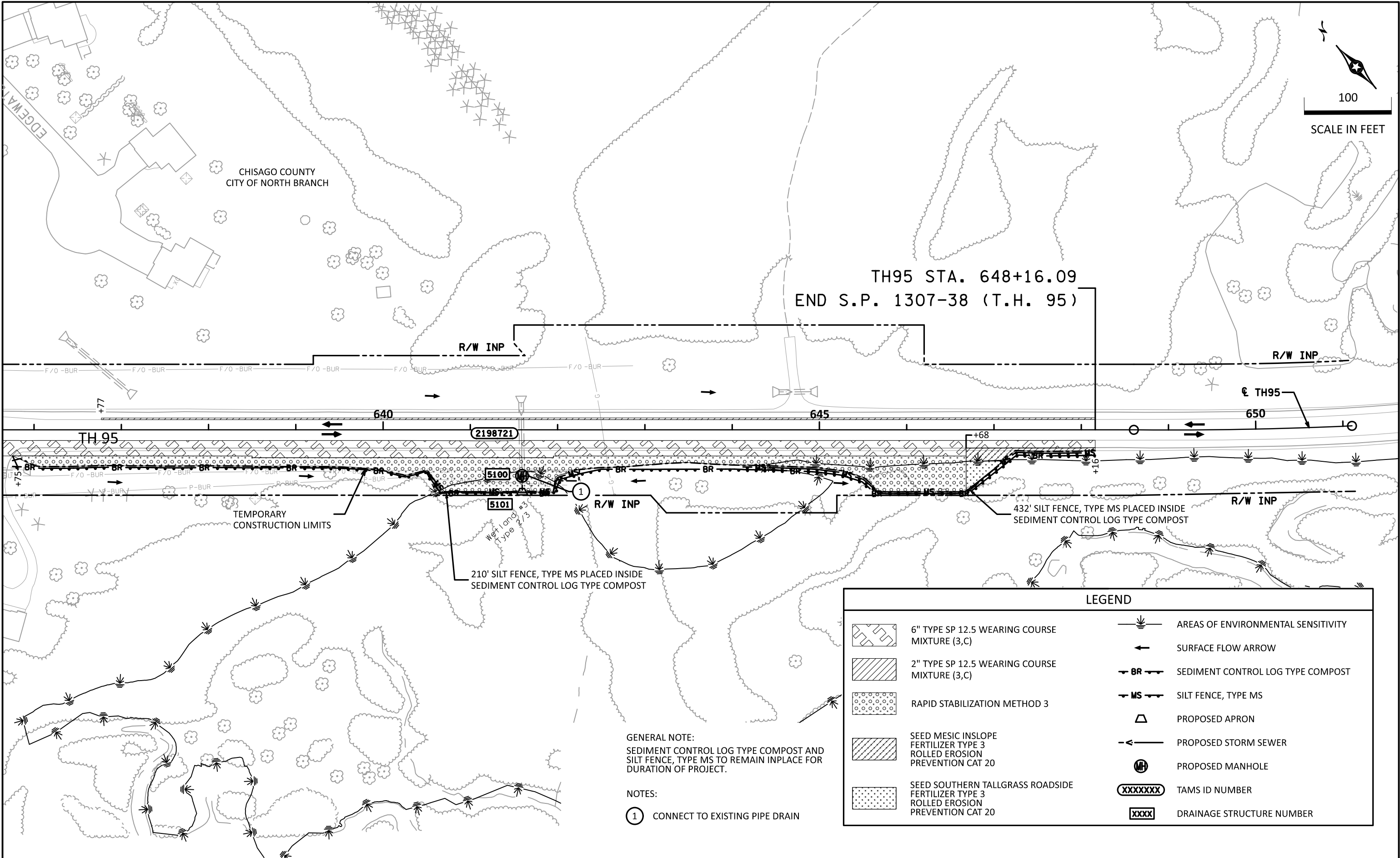
TEMPORARY CONSTRUCTION PLANS

STATE PROJ. NO. 1307-38	SHEET NO. 42
(T.H. 95)	TOTAL SHEETS 65

24-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_165byp
PATH & FILENAME: Projects\DM_ROMS\095\1307\038 Design\PlanSheets\1307038_165byp.dgn



100
SCALE IN FEET



Chad Casey
LIC. NO. 43348
DATE: 24-JUL-2024
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 24-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

TEMPORARY CONSTRUCTION PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET 3 OF 3

SHEET NO. 43
TOTAL SHEETS 65

ALIGNMENT TABULATION											
ELEMENT	POINT NUMBER	POINT TYPE	STATION	CIRCULAR CURVE DATA					COORDINATES		DIRECTION AZIMUTH
				DELTA	DEGREE	RADIUS	TANGENT	LENGTH			
				SPIRAL CURVE DATA					EASTING (X)	NORTHING (Y)	
				THETA	DEGREE	ST	LT	LS			
ALIGNMENT: TH95											
TANGENT	START	START	608+00.00						514566.316	181410.368	
TANGENT	PC	PC	648+60.30						517551.668	178658.325	132°40'17"
ARC	TH95_1	PC	648+60.30						517551.668	178658.325	133°11'33"
ARC	HPI	HPI	649+85.33	03°07'35.23" LT	01°15'02.13"	4581.496	125.03	249.998	517642.822	178572.748	PI
ARC	CC	CC							520687.479	181998.504	
ARC	PT	PT	651+10.30						517738.508	178492.27	130°03'58"




LICENCED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 21-MAY-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

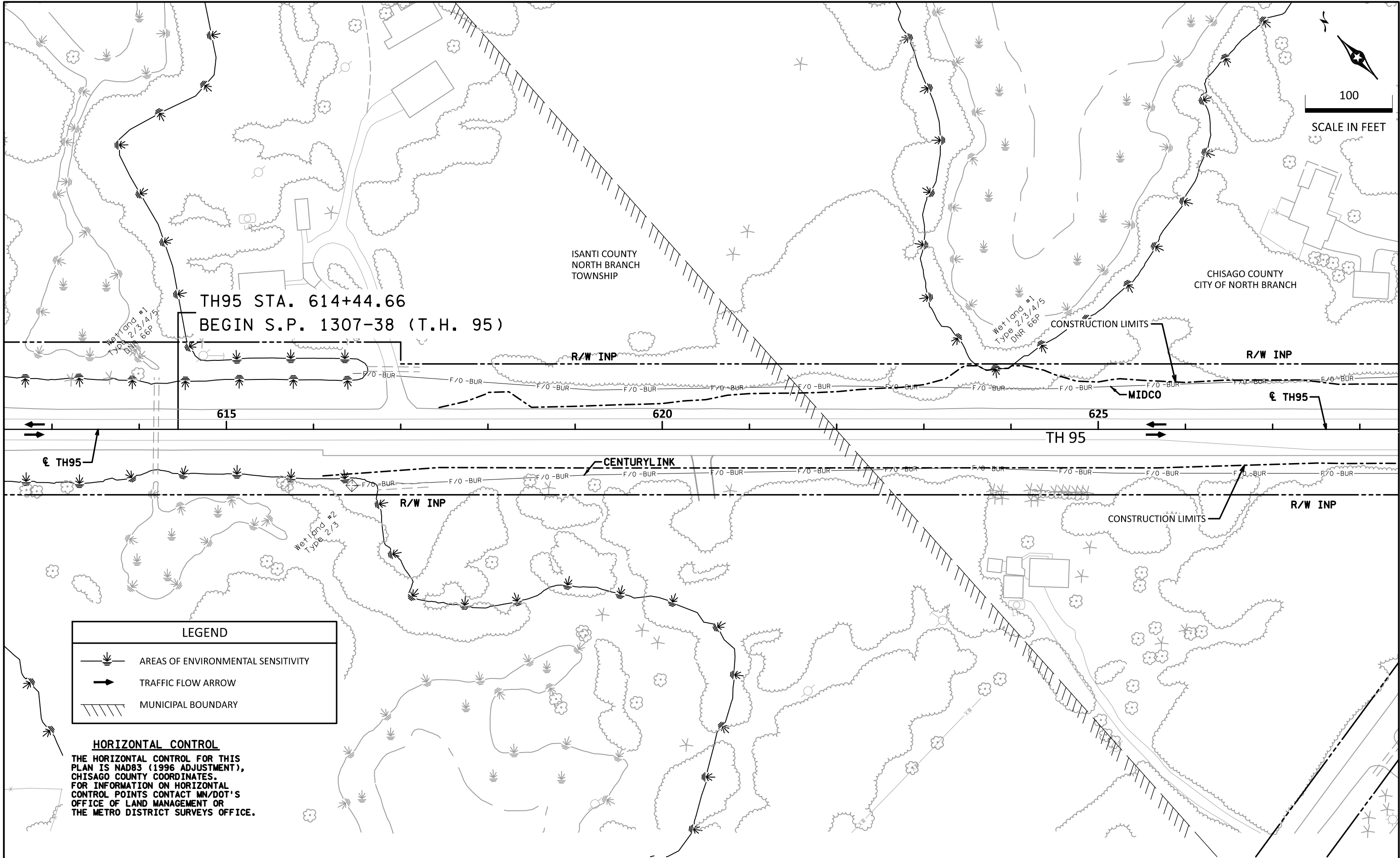
ALIGNMENT TABULATION

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 44
TOTAL SHEETS 65

PLOTTED/REVISED: 2-JUL-2024

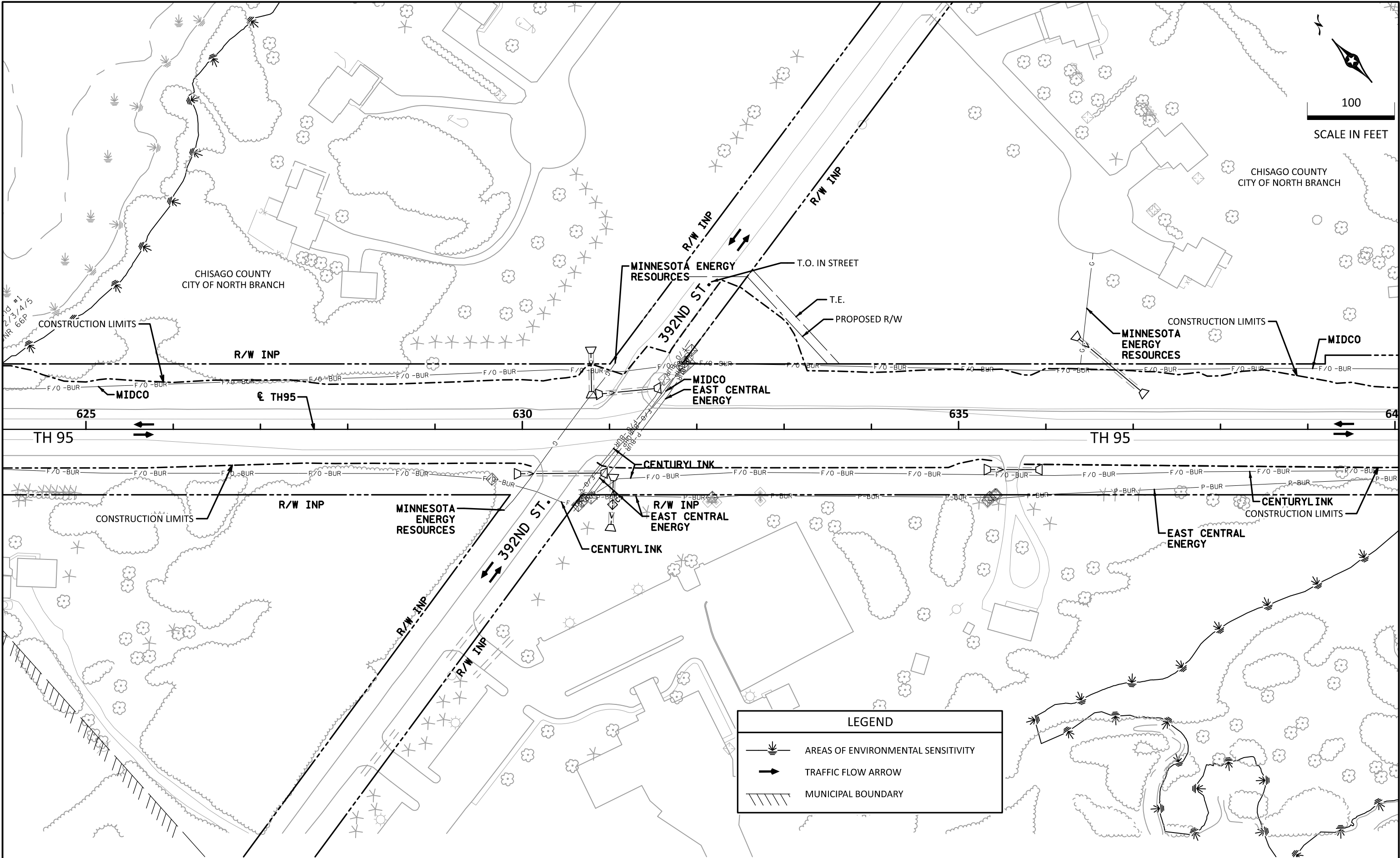
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2-JUL-2024

2-JUL-2024

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PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_175top.dgn



LEGEND

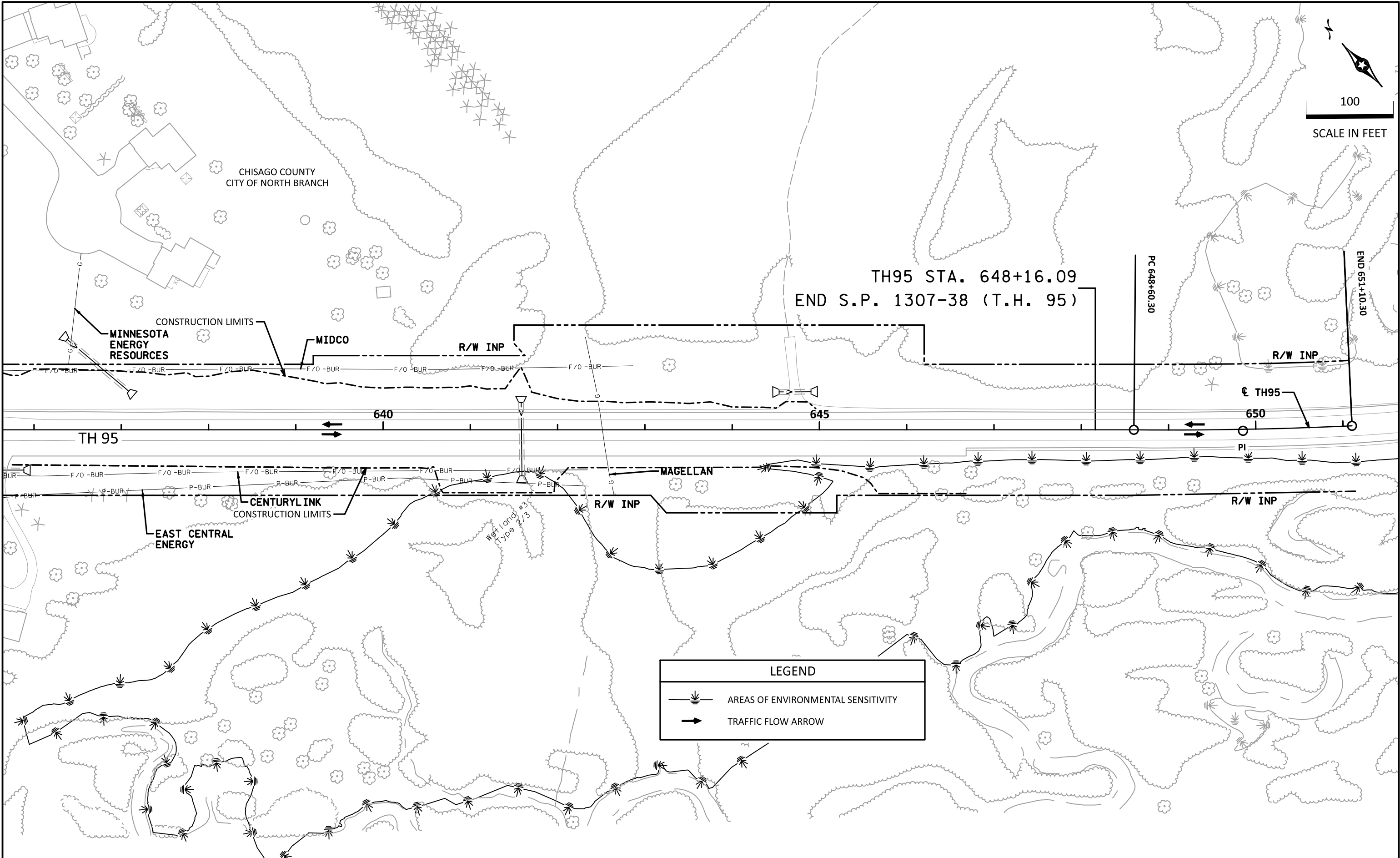
AREAS OF ENVIRONMENTAL SENSITIVITY

TRAFFIC FLOW ARROW

MUNICIPAL BOUNDARY

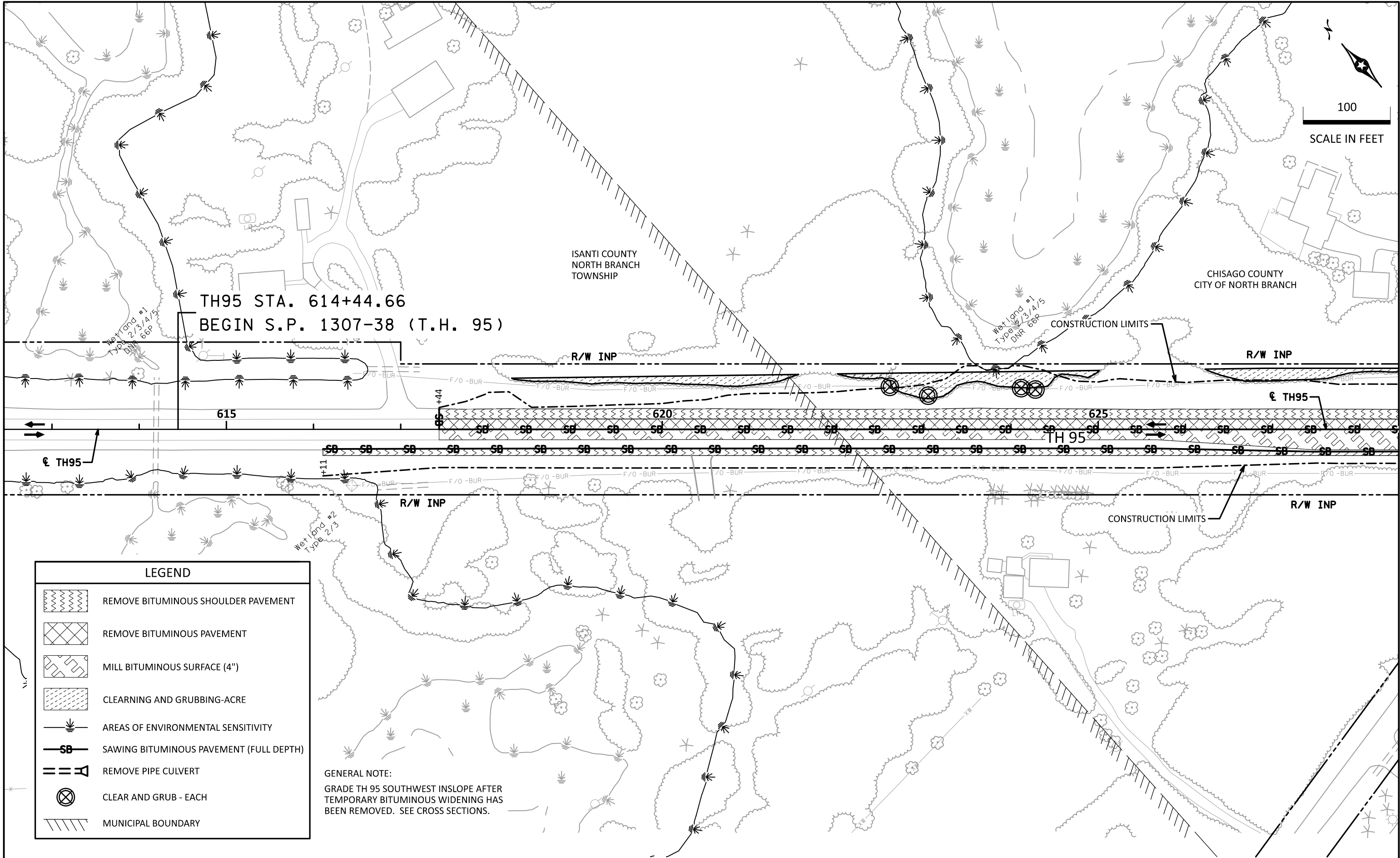
PLOTTED/REVISED: 2-JUL-2024

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PLOTTED/REVISED: 2-JUL-2024

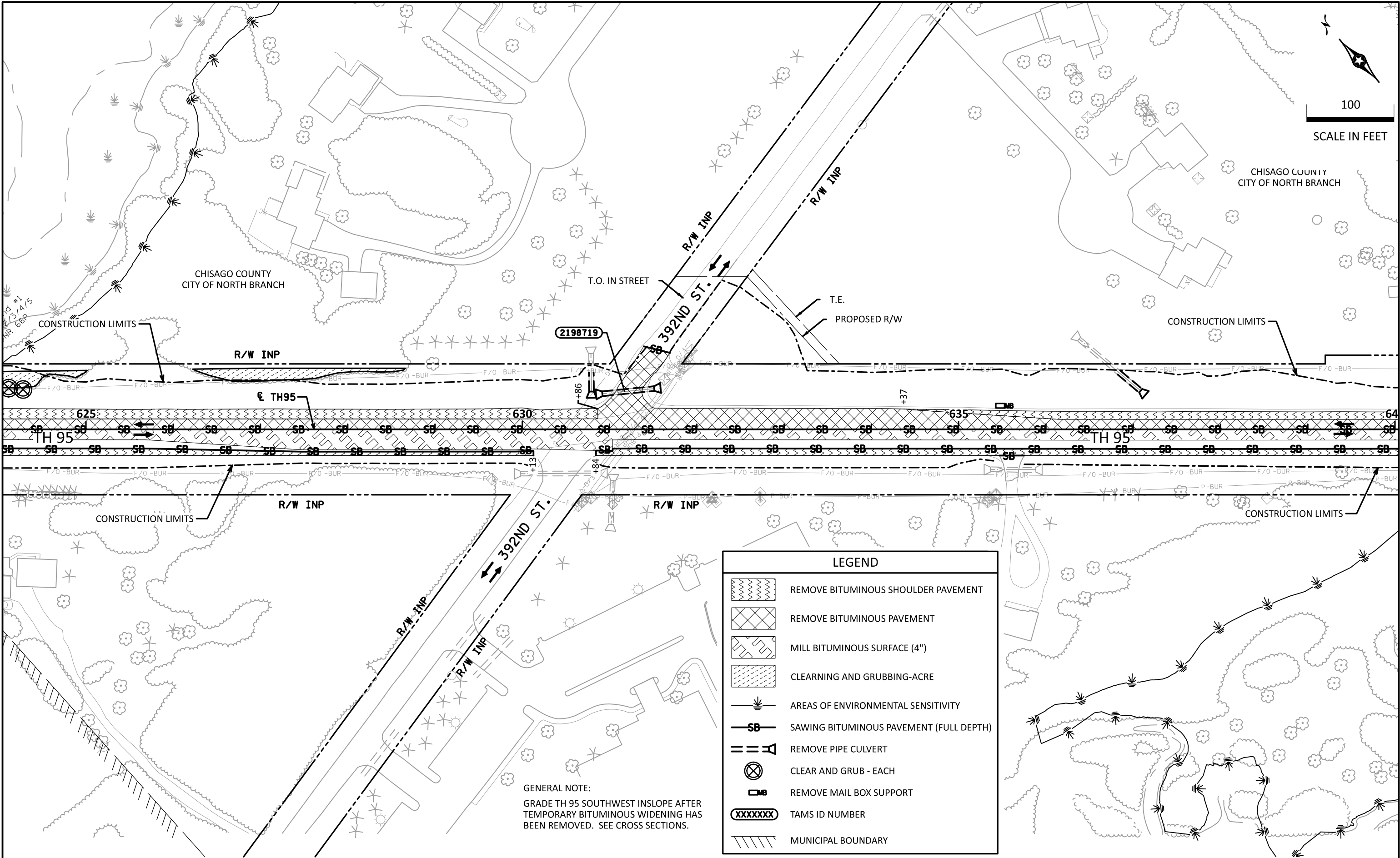
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2-JUL-2024

2-JUL-2024

PLOT NAME: d1307038_180rem
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_180rem.dgn



100
SCALE IN FEET

LEGEND

REMOVE BITUMINOUS SHOULDER PAVEMENT

REMOVE BITUMINOUS PAVEMENT

MILL BITUMINOUS SURFACE (4")

CLEARING AND GRUBBING-ACRE

AREAS OF ENVIRONMENTAL SENSITIVITY

SAWING BITUMINOUS PAVEMENT (FULL DEPTH)

REMOVE PIPE CULVERT

CLEAR AND GRUB - EACH

REMOVE MAIL BOX SUPPORT

TAMS ID NUMBER

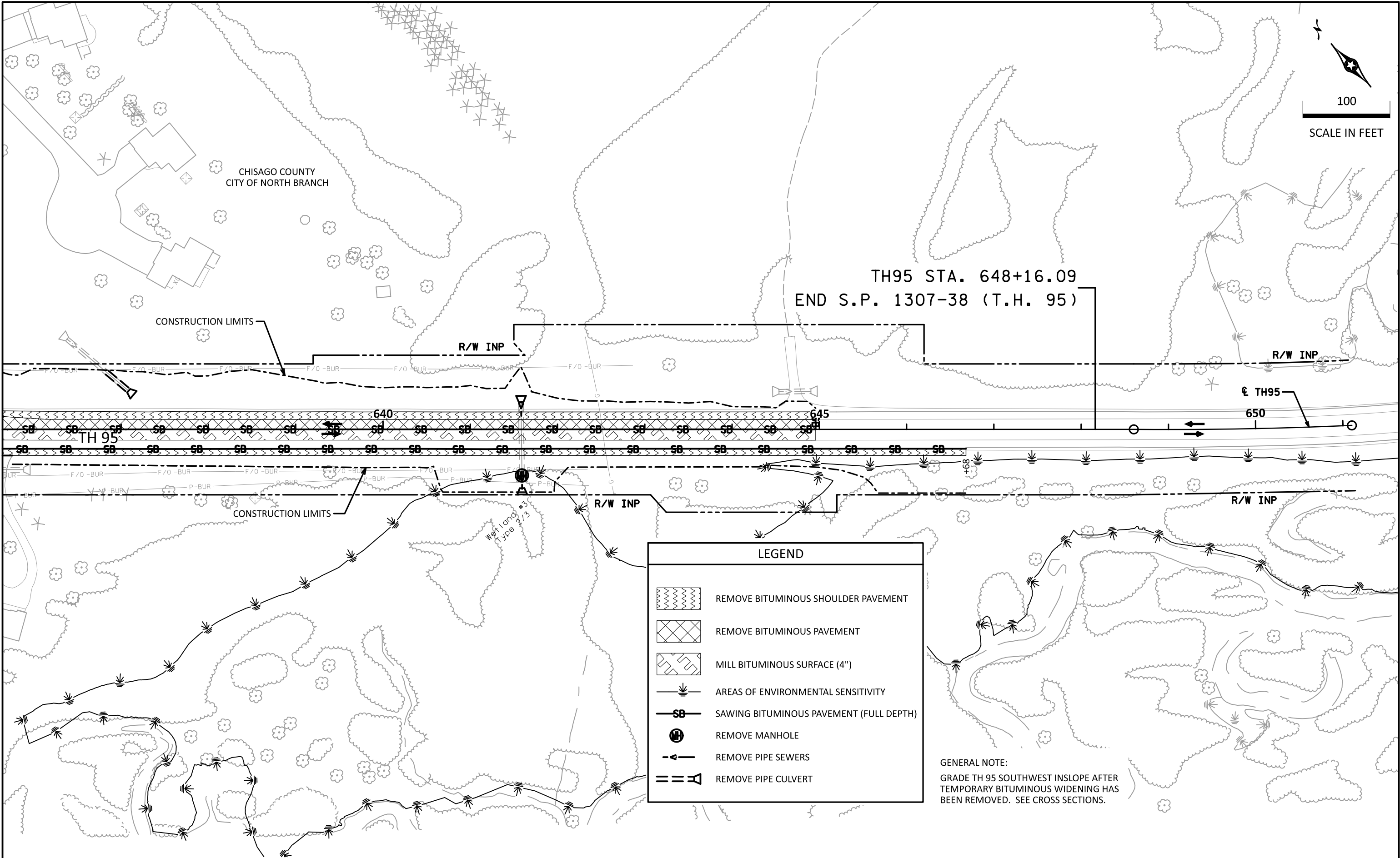
MUNICIPAL BOUNDARY

SHEET 2 OF 3

24-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_180rem
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_180rem.dgn



100
SCALE IN FEET



Chad Casey
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 24-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

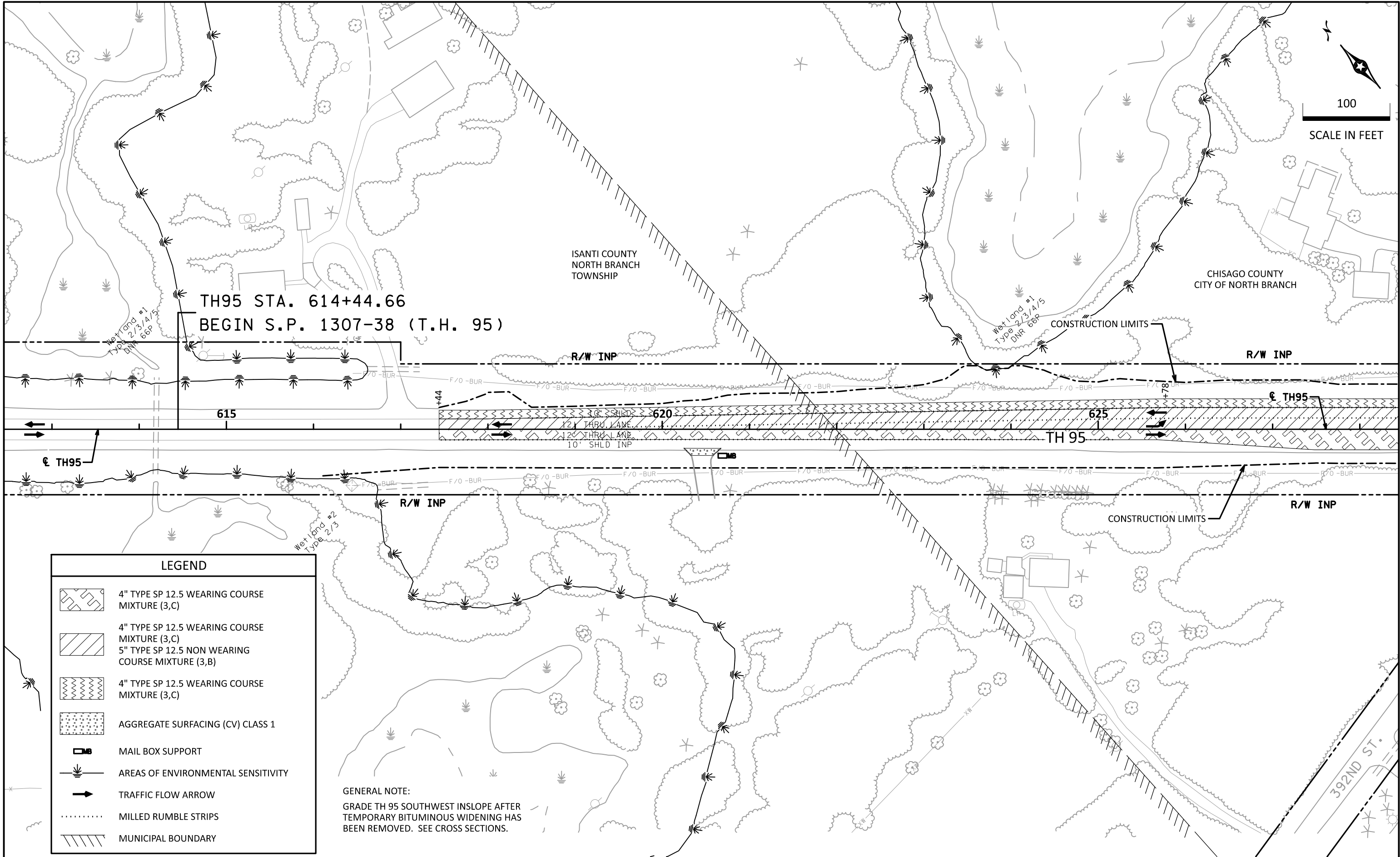
REMOVAL PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET 3 OF 3
SHEET NO. 50
TOTAL SHEETS 65

PLOTTED/REVISED: 2-JUL-2024

PLOT NAME: d1307038_185cpp
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_185cpp.dgn



LEGEND

4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)

4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)

5" TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B)

4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)

AGGREGATE SURFACING (CV) CLASS 1

MAIL BOX SUPPORT

AREAS OF ENVIRONMENTAL SENSITIVITY

TRAFFIC FLOW ARROW

MILLED RUMBLE STRIPS

MUNICIPAL BOUNDARY

GENERAL NOTE:
GRADE TH 95 SOUTHWEST INSLOPE AFTER
TEMPORARY BITUMINOUS WIDENING HAS
BEEN REMOVED. SEE CROSS SECTIONS.

2-JUL-2024

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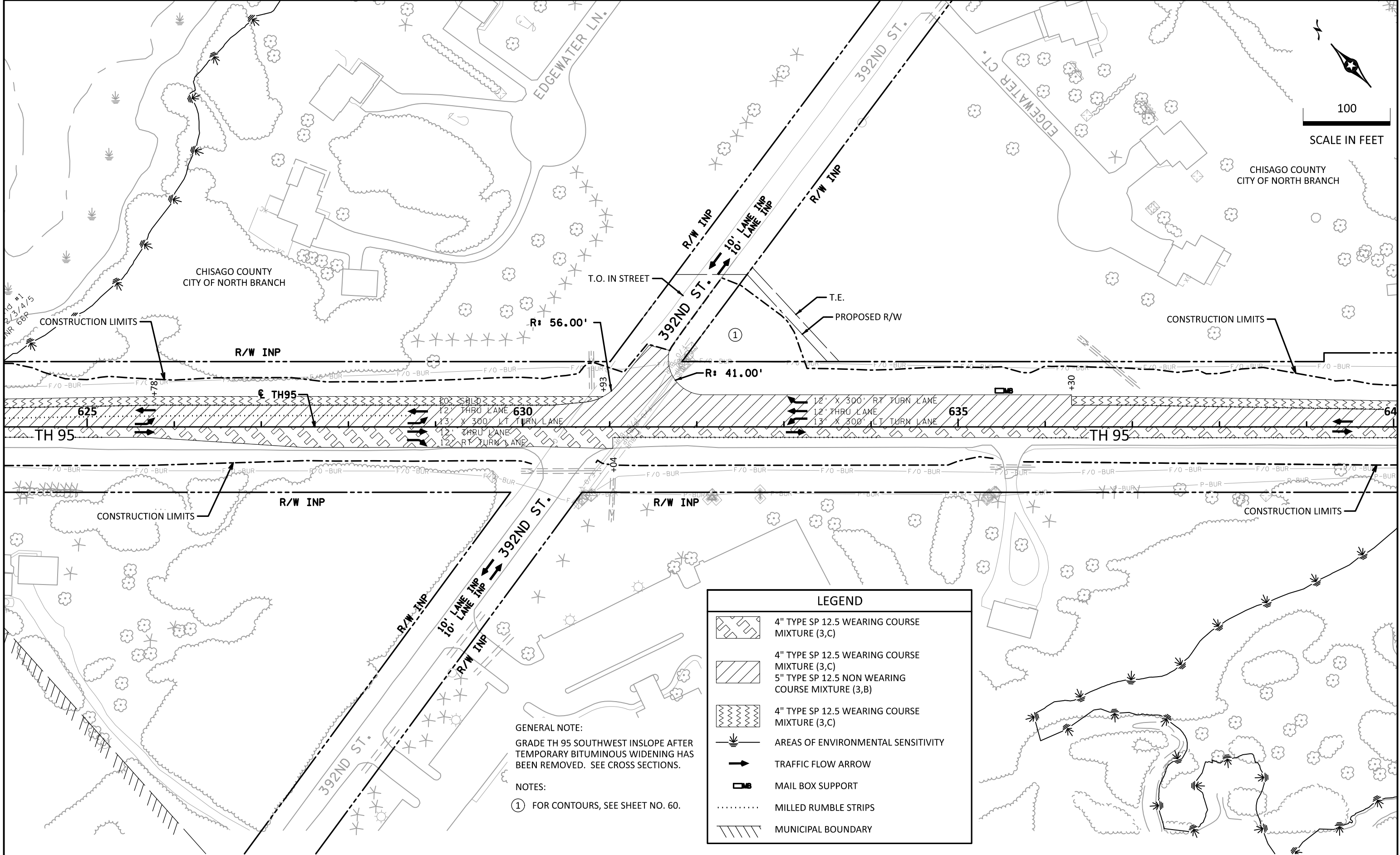
2-JUL-2024

2-JUL-2024

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2-JUL-2024

2-JUL-2024



100
SCALE IN FEET

CHISAGO COUNTY
CITY OF NORTH BRANCH

CHISAGO COUNTY
CITY OF NORTH BRANCH

T.O. IN STREET

T.E.

PROPOSED R/W

CONSTRUCTION LIMITS

CONSTRUCTION LIMITS

R/W INP

R: 56.00'

R: 41.00'

TH 95

TH 95

CONSTRUCTION LIMITS

R/W INP

R/W INP

CONSTRUCTION LIMITS

LEGEND

- 4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)
- 4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)
5" TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,B)
- 4" TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)
- AREAS OF ENVIRONMENTAL SENSITIVITY
- TRAFFIC FLOW ARROW
- MAIL BOX SUPPORT
- MILLED RUMBLE STRIPS
- MUNICIPAL BOUNDARY

GENERAL NOTE:
GRADE TH 95 SOUTHWEST INSLOPE AFTER
TEMPORARY BITUMINOUS WIDENING HAS
BEEN REMOVED. SEE CROSS SECTIONS.

NOTES:
① FOR CONTOURS, SEE SHEET NO. 60.

SHEET 2 OF 3



Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024
LICENSED PROFESSIONAL ENGINEER

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

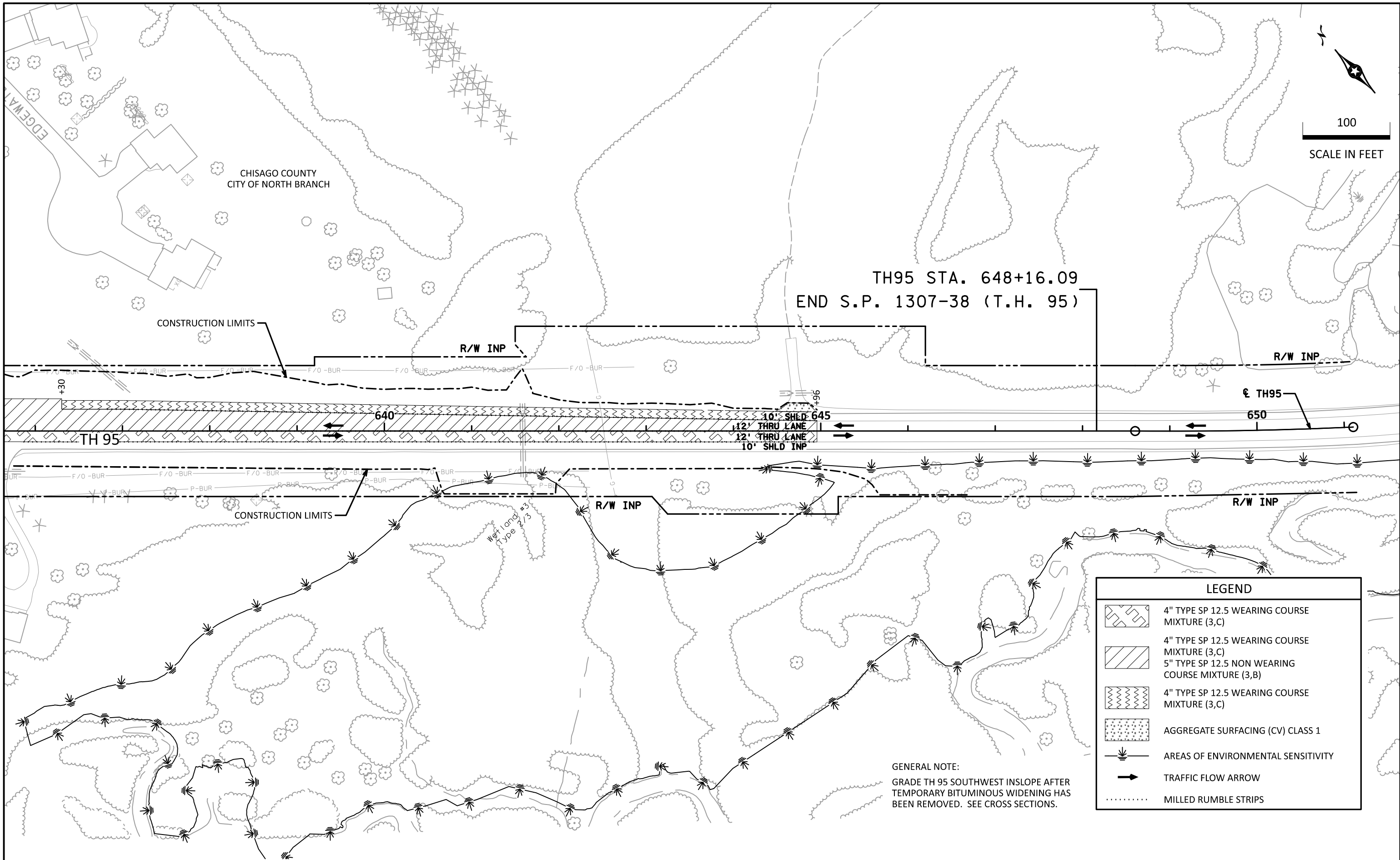
CONSTRUCTION PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 52
TOTAL SHEETS 65

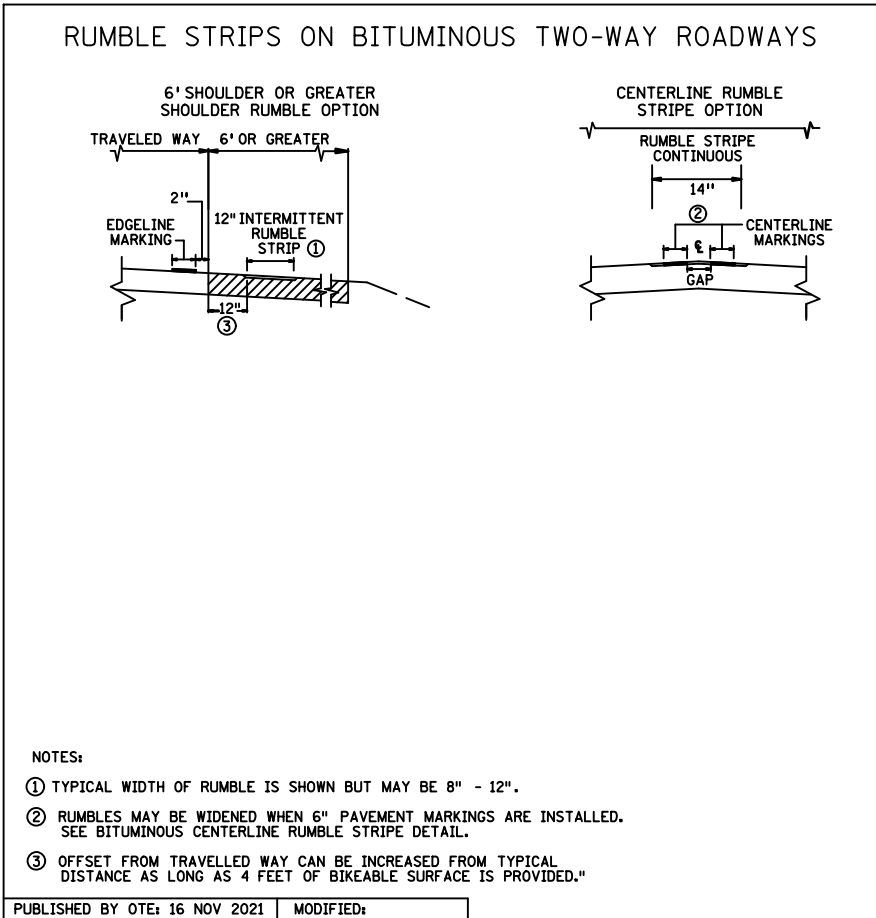
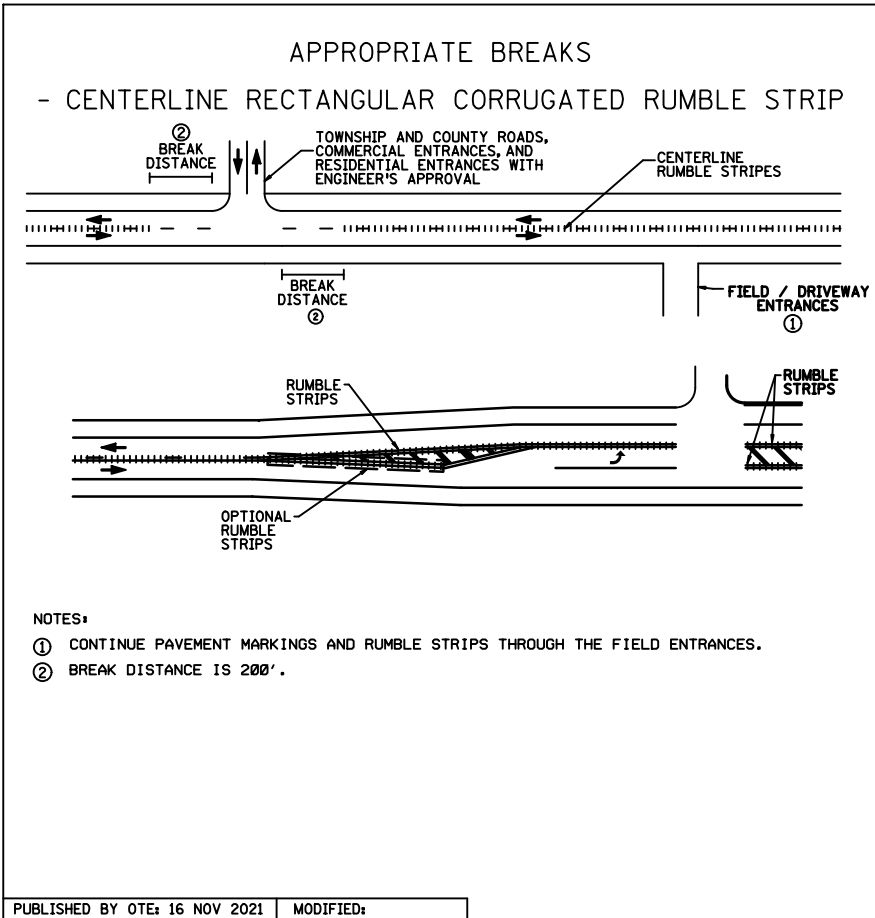
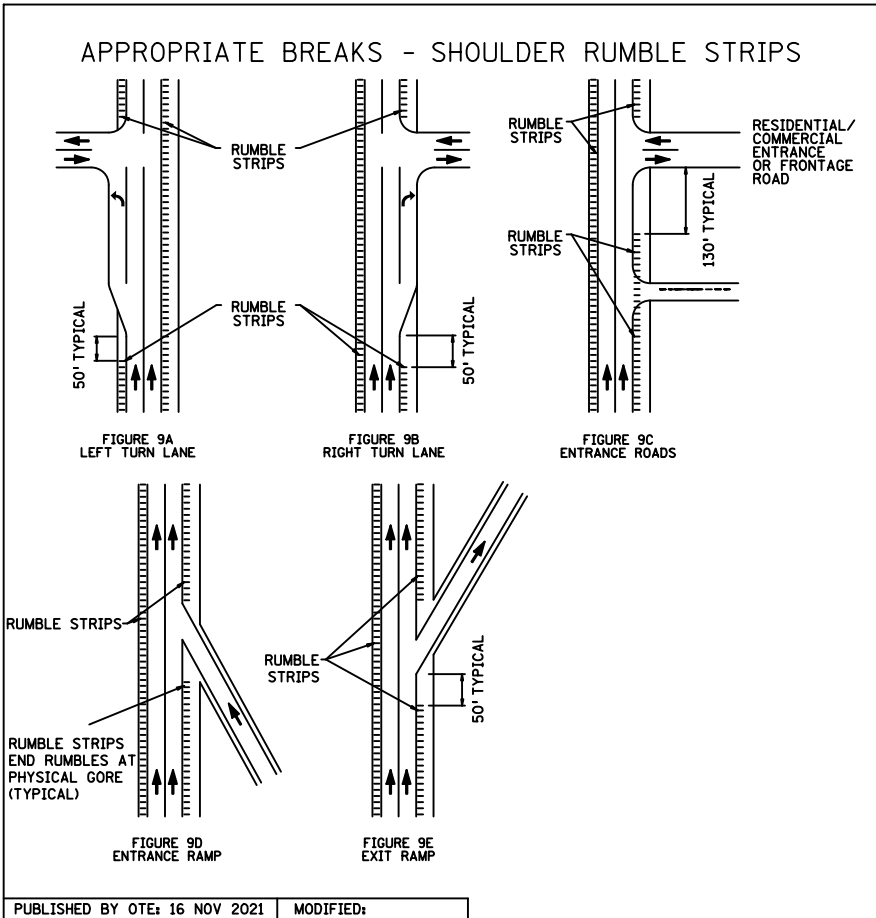
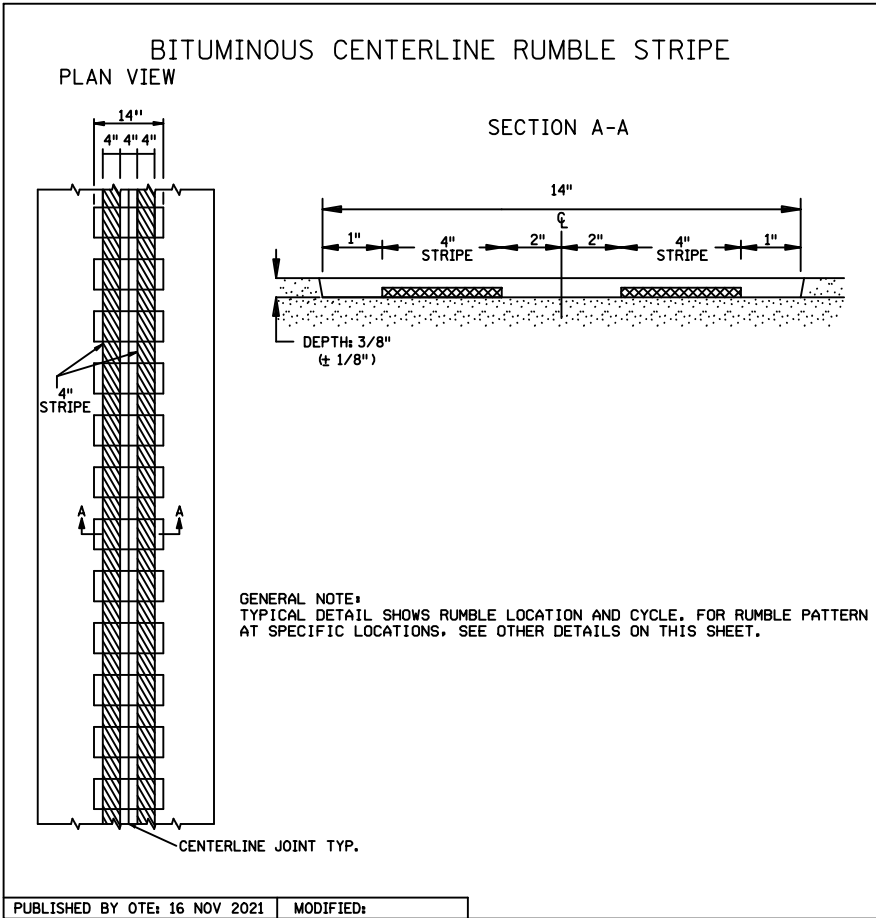
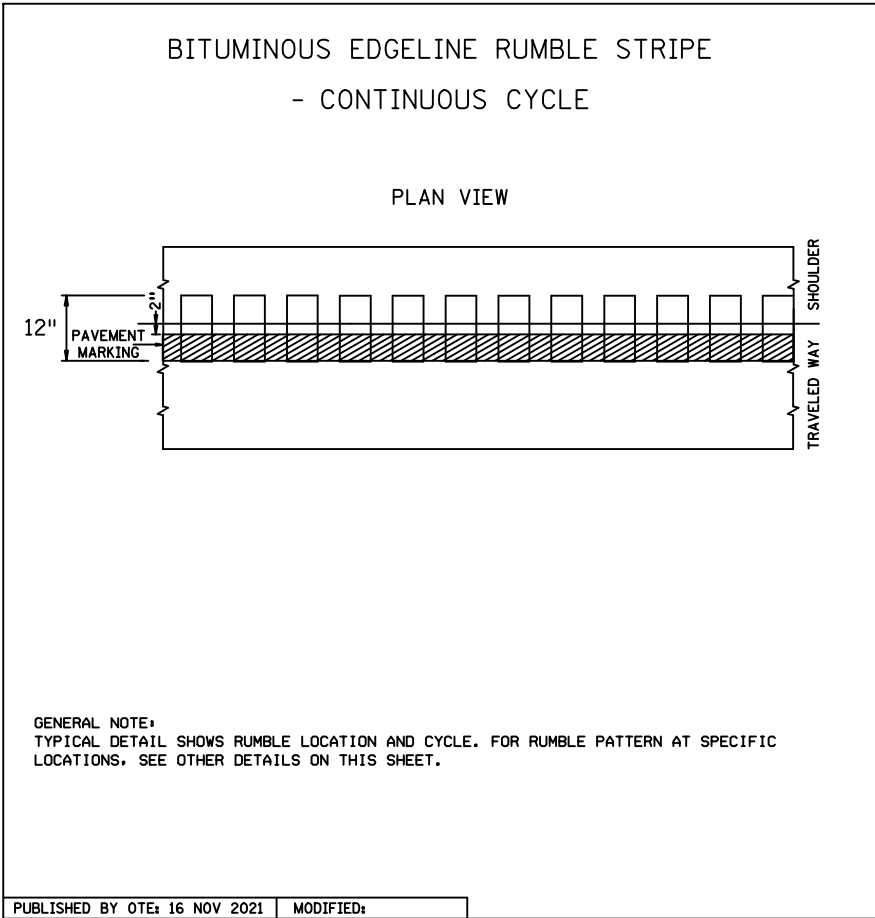
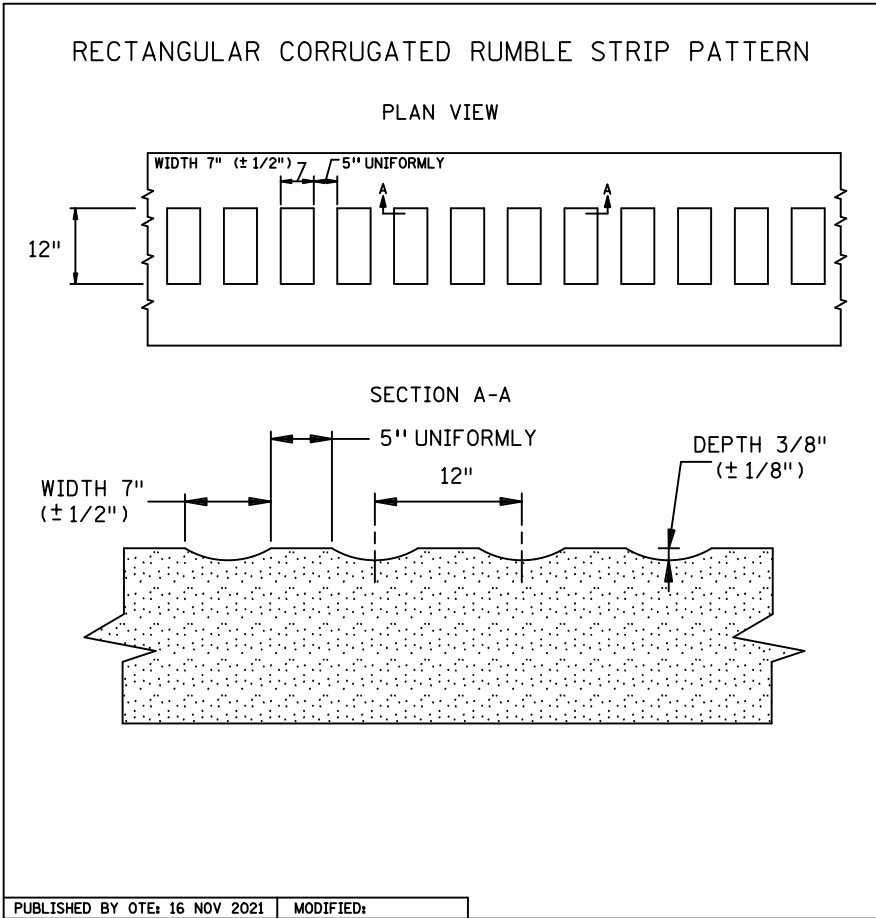
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PLOTTED/REVISED: 2-JUL-2024

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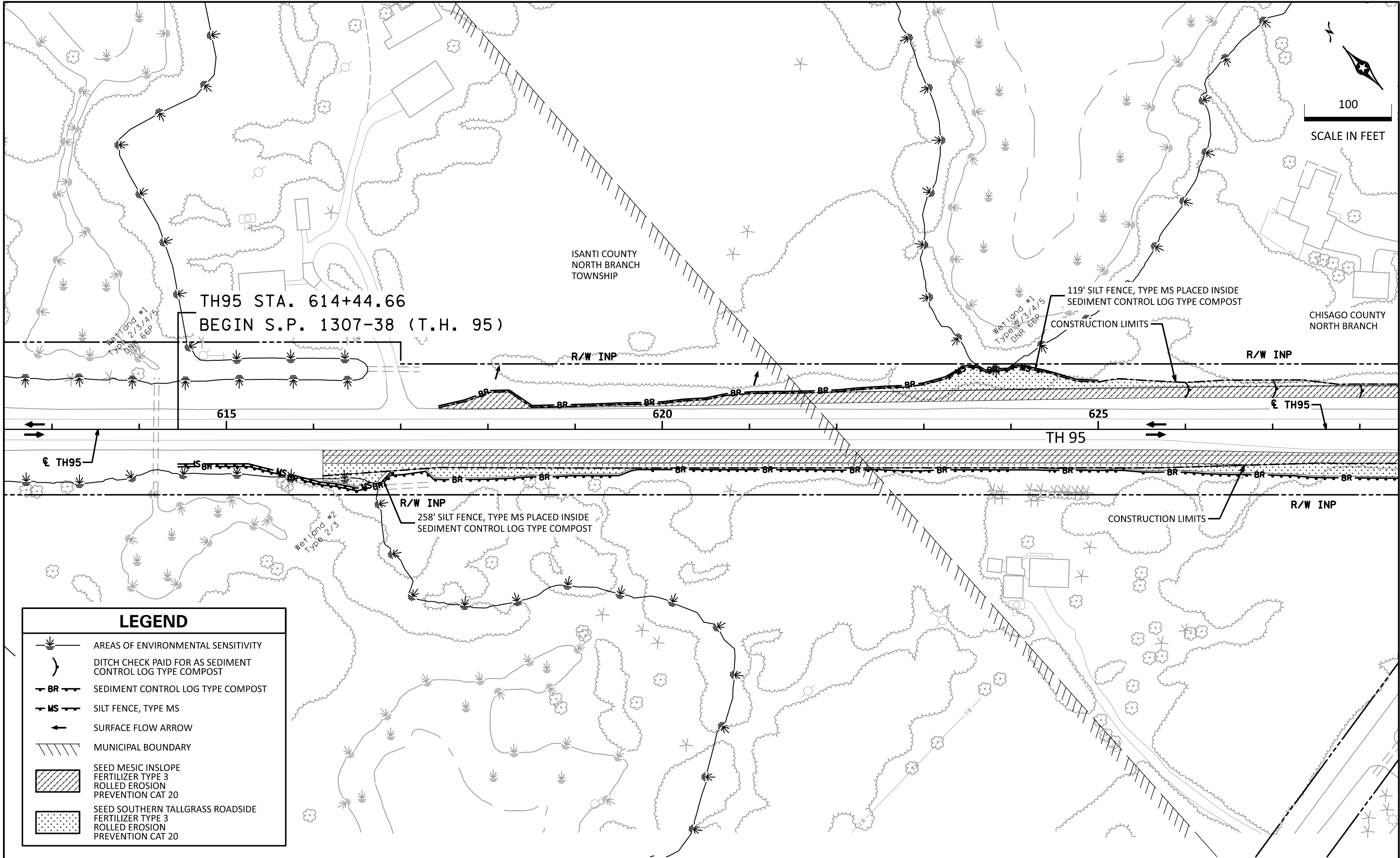


2-JUL-2024

2-JUL-2024

PROJECT NAME: d1307038_300drp
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_300drp.dgn

2-JUL-2024



LEGEND

- AREAS OF ENVIRONMENTAL SENSITIVITY
- DITCH CHECK PAID FOR AS SEDIMENT CONTROL LOG TYPE COMPOST
- BR SEDIMENT CONTROL LOG TYPE COMPOST
- MS SILT FENCE, TYPE MS
- SURFACE FLOW ARROW
- MUNICIPAL BOUNDARY
- SEED MESIC INSLOPE
FERTILIZER TYPE 3
ROLLED EROSION
PREVENTION CAT 20
- SEED SOUTHERN TALLGRASS ROADSIDE
FERTILIZER TYPE 3
ROLLED EROSION
PREVENTION CAT 20

SHEET 1 OF 3



Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

DRAINAGE, EROSION CONTROL, AND TURF
ESTABLISHMENT PLANS

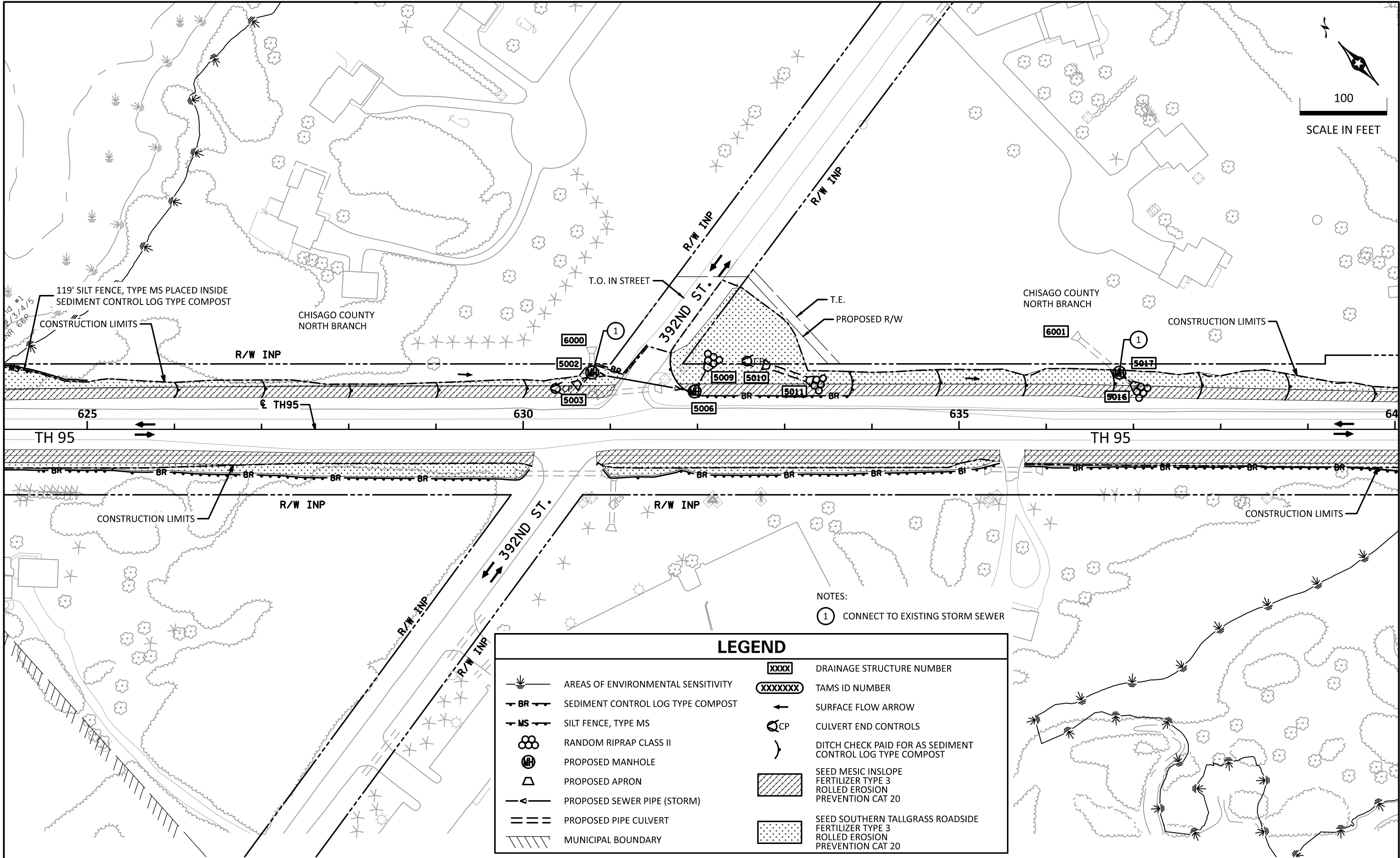
STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 55
TOTAL SHEETS 65

2-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_300drp
PATH & FILENAME: Projects\DM_ROMS\095\1307\038\Design\PlanSheets\1307038_300drp.dgn



LEGEND

	AREAS OF ENVIRONMENTAL SENSITIVITY		DRAINAGE STRUCTURE NUMBER
	SEDIMENT CONTROL LOG TYPE COMPOST		TAMS ID NUMBER
	SILT FENCE, TYPE MS		SURFACE FLOW ARROW
	RANDOM RIPRAP CLASS II		CULVERT END CONTROLS
	PROPOSED MANHOLE		DITCH CHECK PAID FOR AS SEDIMENT CONTROL LOG TYPE COMPOST
	PROPOSED APRON		SEED MESIC INSLOPE FERTILIZER TYPE 3 ROLLED EROSION PREVENTION CAT 20
	PROPOSED SEWER PIPE (STORM)		SEED SOUTHERN TALLGRASS ROADSIDE FERTILIZER TYPE 3 ROLLED EROSION PREVENTION CAT 20
	PROPOSED PIPE CULVERT		
	MUNICIPAL BOUNDARY		

SHEET 2 OF 3



Chad Casey
CHAD CASEY
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 2-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

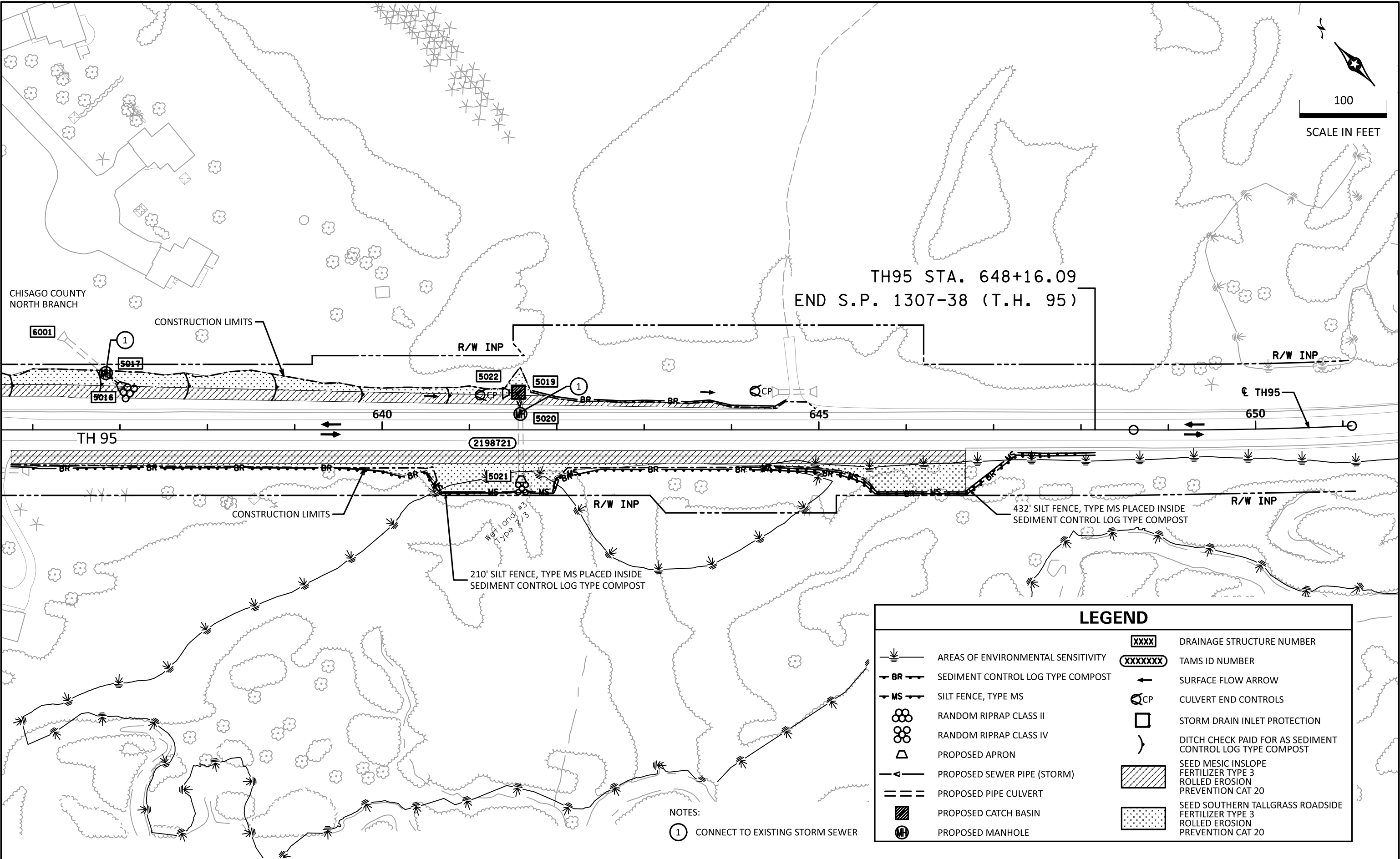
DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS

STATE PROJ. NO. 1307-38	SHEET NO. 56
(T.H. 95)	TOTAL SHEETS 65

24-JUL-2024

PLOTTED/REVISED:

PLOT NAME: d1307038_300drp
PATH & FILENAME: Projects\DM ROS\095\1307\038\Design\PlanSheets\1307038_300drp.dgn



NOTES:
① CONNECT TO EXISTING STORM SEWER

LEGEND	
	AREAS OF ENVIRONMENTAL SENSITIVITY
	SEDIMENT CONTROL LOG TYPE COMPOST
	SILT FENCE, TYPE MS
	RANDOM RIPRAP CLASS II
	RANDOM RIPRAP CLASS IV
	PROPOSED APRON
	PROPOSED SEWER PIPE (STORM)
	PROPOSED PIPE CULVERT
	PROPOSED CATCH BASIN
	PROPOSED MANHOLE
	DRAINAGE STRUCTURE NUMBER
	TAMS ID NUMBER
	SURFACE FLOW ARROW
	CULVERT END CONTROLS
	STORM DRAIN INLET PROTECTION
	DITCH CHECK PAID FOR AS SEDIMENT CONTROL LOG TYPE COMPOST
	SEED MESIC INSLOPE FERTILIZER TYPE 3 ROLLED EROSION PREVENTION CAT 20
	SEED SOUTHERN TALLGRASS ROADSIDE FERTILIZER TYPE 3 ROLLED EROSION PREVENTION CAT 20



Chad Casey
LICENSED PROFESSIONAL ENGINEER

Chad Casey
LIC. NO. 43348
DATE: 24-JUL-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET 3 OF 3
SHEET NO. 57
TOTAL SHEETS 65

PLOTTED/REVISED: 2-JUL-2024

PLOT NAME: h130748_drt
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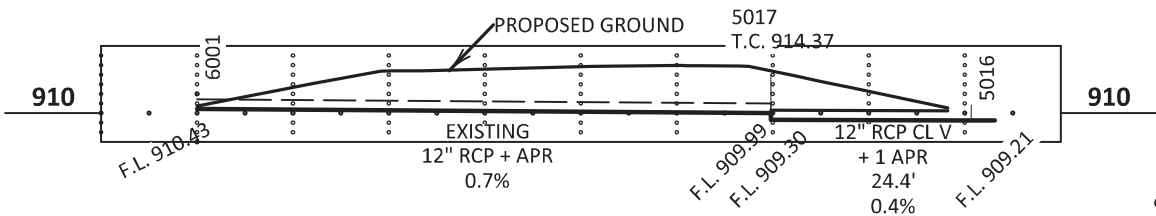
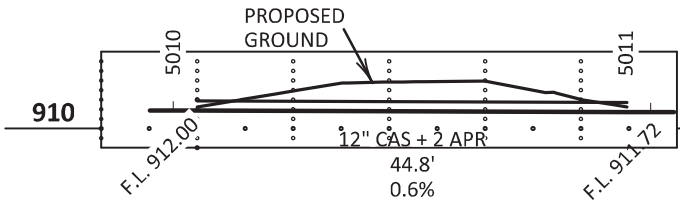
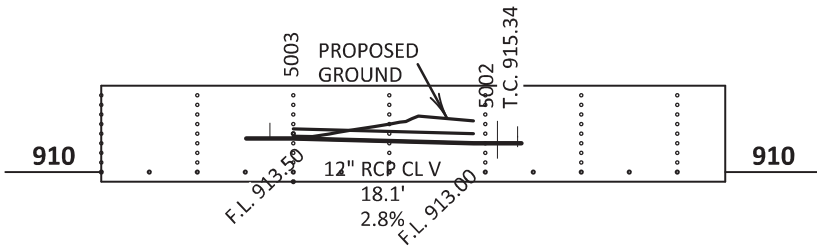
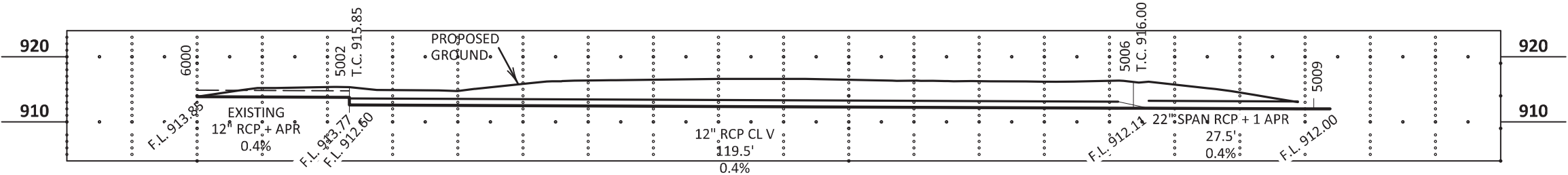
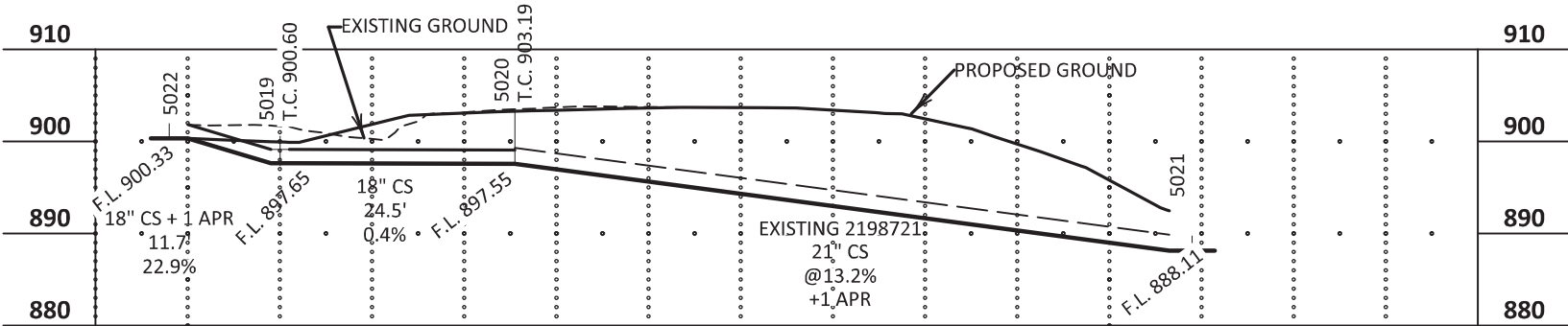
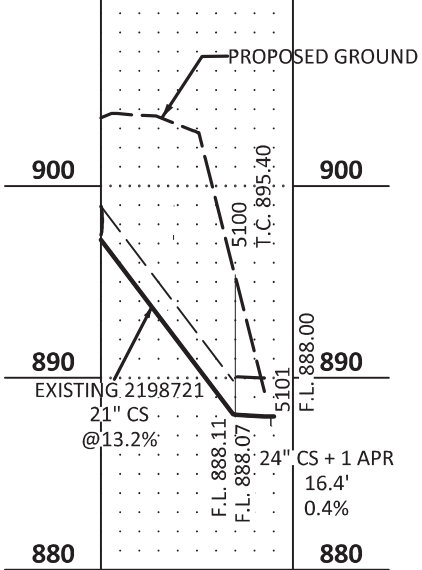
DRAINAGE TABULATION

STRUCTURE NUMBER		STRUCTURE LOCATION			DRAINAGE STRUCTURES							TOP OF CASTING ELEV.	FLOWS FROM PIPE OUTLET ELEV.	FLOWS TO PIPE INLET ELEV.	12" RC PIPE SEWER DES 3006 CL V	22" RCP-A SEWER CL IIA	18" CS PIPE SEWER	24" CS PIPE SEWER	12" CAS PIPE CULVERT	CONNECT TO EXISTING STORM SEWER	APRON	APRON TYPE	RANDOM RIPRAP CLASS II	RANDOM RIPRAP CLASS IV	GEOTEXTILE FILTER TYPE 3	GEOTEXTILE FILTER TYPE 7	GUIDE POSTS TYPE B	REMARKS
					PAY HEIGHT			CASTING ASSEMBLY TYPE	STEPS REQ'D																			
		FLows FROM	FLows TO	ALIGN.	STATION	OFFSET	TYPE			SD-48	SD-60																	
						LIN F	LIN F	LIN F					LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EACH	EACH		CU YD	CU YD	SQ YD	SQ YD	EACH			
5003	5002	TH95	630+65.0	54.0L	APRON							913.50	913.07	18						1	12" RC SAFETY APRON					1		
6000	5002	TH95	630+78.6	87.1L	EX APR							913.85	913.78						1									
5002	5006	TH95	630+80.4	64.9L					A - 4		915.34																	
	5006	TH95	630+79.1	65.2L	MH		3.1					913.77	912.59	119														
5006	5009	TH95	631+96.6	47.6L					A - 7D		916.00																	
	5009	TH95	631+96.6	43.4L	MH	4.0				YES		912.11	912.00		27													
5009		TH95	632+09.7	67.6L	APRON							912.00							1	22" SPAN RC PIPE-ARCH APRON	4.1		22.4		1			
5010	5011	TH95	632+82.6	72.1L	APRON							912.00	911.72				45		1	12" GS PIPE APRON					1			
5011		TH95	633+24.9	57.5L	APRON							911.72							1	12" CS PIPE APRON	2.7		15.9		1			
6001	5017	TH95	636+38.0	103.5L	EX APR							910.43	910.00					1										
5017	5016	TH95	636+84.4	64.5L					A - 7D		914.37																	
	5016	TH95	636+83.8	65.0L	MH			5.2		YES		909.30	909.21	24														
5016		TH95	637+02.4	49.2L	APRON							909.21							1	12" RC SAFETY APRON	2.7		15.9		1			
5022	5019	TH95	641+45.3	42.6L	APRON							900.33	898.11			12			1	18" GS SAFETY APRON					1			
5019	5020	TH95	641+56.7	43.2L					M - 11		900.60																	
	5020	TH95	641+56.2	42.6L	CB	3.1						897.63	897.56			25												
5020	5021	TH95	641+58.3	16.3L					A - 7D		903.19																	
	5021	TH95	641+58.4	15.5L	MH			6.1		YES		897.29	888.11					1										
5021		TH95	641+59.2	52.8R	APRON							888.11						1	1	21" GS PIPE APRON		9.7		31.5	1			
5100	5101	TH95	641+59.2	52.8R					A - 7D		895.40															TEMPORARY		
	5101	TH95	641+59.2	59.2R	MH			7.4		YES		888.10	888.00				16									TEMPORARY		
5101		TH95	641+59.3	68.3R	APRON							888.00							1	24" GS PIPE APRON						TEMPORARY		
TOTALS:						7.1	3.1	18.7						161	27	37	16	45	4	8		9.5	9.7	54.2	31.5	7		

NOTES:

- THE OUTLET ELEVATION IS THE INVERT ELEVATION OF THE PIPE AT THE INSIDE EDGE OF THE FLOWS FROM STRUCTURE.
INLET ELEVATION IS THE INVERT ELEVATION OF THE PIPE AT THE INSIDE EDGE OF THE FLOWS TO STRUCTURE.
- THE CASTING ELEVATION AND LOCATION ARE AT THE CENTER OF THE GRATE/COVER.
FOR OFFSET STRUCTURES, THE STRUCTURE LOCATION IS AT THE CENTER OF THE STRUCTURE.
- FOR CONCRETE PIPES WITH APRONS: THE LOCATION OF THE APRON IS THE OUTLET, INVERT END OF THE APRON.
- ALL CIRCULAR CONCRETE PIPE SEWER DESIGN 3006 GASKET JOINT PIPE.

TEMPORARY DRAINAGE



SHEET 1 OF 2



Bryce Fossand
LIC. NO. 43444
LICENSSED PROFESSIONAL ENGINEER

Bryce Fossand
LIC. NO. 43444

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

DRAINAGE PROFILES AND TABULATIONS

STATE PROJ. NO. 1307-38
TRUNK HWY. (T.H. 95)

SHEET NO. 58
TOTAL SHEETS 65

PLOT NAME: d1307038_306drs

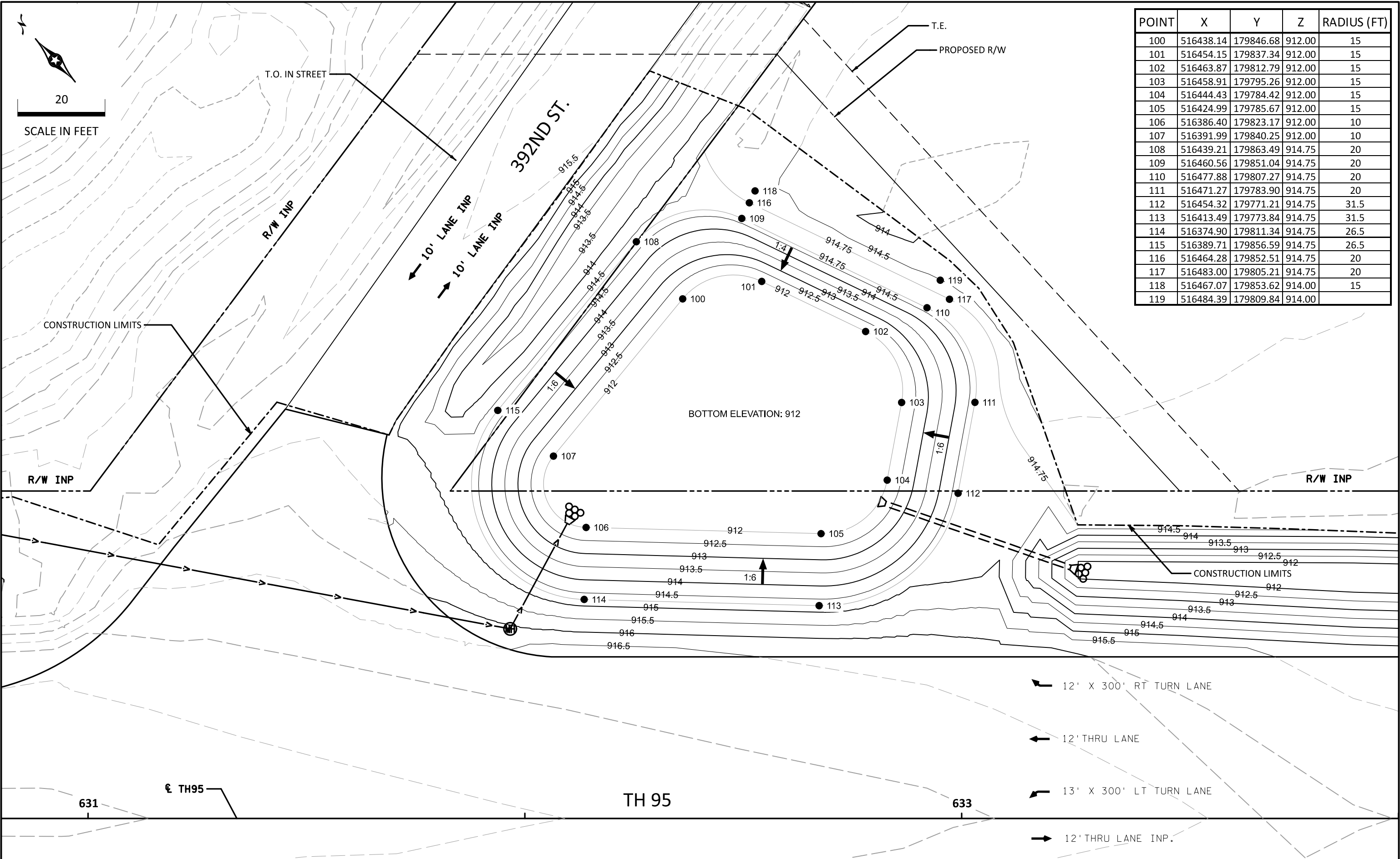
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PLOTTED/REVISED: 2-JUL-2024

DRAINAGE SUMMARY			F
PAY ITEM	UNIT	SHEET NO.	TOTALS
		58	
12" CAS PIPE CULVERT	LIN FT	45	45
12" CS PIPE APRON	EACH	1	1
12" GS PIPE APRON	EACH	1	1
21" GS PIPE APRON	EACH	1	1
24" GS PIPE APRON	EACH	1	1
22" SPAN RC PIPE-ARCH APRON	EACH	1	1
18" GS SAFETY APRON	EACH	1	1
12" RC SAFETY APRON	EACH	2	2
18" CS PIPE SEWER	LIN FT	37	37
24" CS PIPE SEWER	LIN FT	16	16
22" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	27	27
12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	161	161
CONNECT TO EXISTING STORM SEWER	EACH	4	4
CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	7.1	7.1
CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	3.1	3.1
CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	18.7	18.7
CASTING ASSEMBLY	EACH	6	6
RANDOM RIPRAP CLASS II	CU YD	9.5	9.5
RANDOM RIPRAP CLASS IV	CU YD	9.7	9.7
GEOTEXTILE FILTER TYPE 3	SQ YD	54.2	54.2
GEOTEXTILE FILTER TYPE 7	SQ YD	31.5	31.5
GUIDE POST TYPE B	EACH	7	7

CASTING SUMMARY			
ASSEMBLY	CASTING NO	STANDARD PLATE NO	EACH
M-11	FRAME AND GRATE CASTING NO 731	4143	1
A-4	GRATE CASTING NO 716 FRAME CASTING NO 700-4	4110 4101	1
A-7D	GRATE CASTING NO 716 FRAME CASTING NO 700-7	4110 4101	4
TOTAL:			6

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POINT	X	Y	Z	RADIUS (FT)
100	516438.14	179846.68	912.00	15
101	516454.15	179837.34	912.00	15
102	516463.87	179812.79	912.00	15
103	516458.91	179795.26	912.00	15
104	516444.43	179784.42	912.00	15
105	516424.99	179785.67	912.00	15
106	516386.40	179823.17	912.00	10
107	516391.99	179840.25	912.00	10
108	516439.21	179863.49	914.75	20
109	516460.56	179851.04	914.75	20
110	516477.88	179807.27	914.75	20
111	516471.27	179783.90	914.75	20
112	516454.32	179771.21	914.75	31.5
113	516413.49	179773.84	914.75	31.5
114	516374.90	179811.34	914.75	26.5
115	516389.71	179856.59	914.75	26.5
116	516464.28	179852.51	914.75	20
117	516483.00	179805.21	914.75	20
118	516467.07	179853.62	914.00	15
119	516484.39	179809.84	914.00	

PLOTTED/REVISED: 21-MAY-2024

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SP 1307-38 TH 95 COMMITMENT	LOCATION	CONTRACT ITEM	REGULATOR / PARTNER	REFERENCE DOCUMENT	MnDOT TECHNICAL CONTACT	RESPONSIBLE PARTY	NOTES	VERIFICATION	VERIFICATION DATE
WETLANDS									
THIS PROJECT HAS TEMPORARY WETLAND IMPACTS. THESE WILL BE RESTORED TO WETLAND HYDROLOGY AND VEGETATION THROUGH FINAL GRADING TO PRE-CONSTRUCTION CONTOURS AND SEEDING WITHIN 90 DAYS.	PROJECT WIDE	CONSTRUCTION PLAN; DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS	USACE & OES/BWSR	USACE PERMIT AND/OR OES WCA NOTIFICATION	DISTRICT WETLAND COORIDNATOR	CONSTRUCTION			
PUBLIC WATERS									
INSTALL TEMPORARY SILT FENCE TO PROTECT DNR PUBLIC WATERS.	MUD LAKE	DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS	DNR	ENM RESPONSE	DNR TRANSPORTATION HYDROLOGIST	CONSTRUCTION			
COVER DISTURBED SOILS WITHIN 24 HRS WHEN WORKING WITHIN 200 FEET OF PUBLIC WATERS DURING THE WORK-IN-WATER EXCLUSION PERIOD	PROJECT WIDE	SWPPP NARRATIVE	DNR	ENM RESPONSE	DNR TRANSPORTATION HYDROLOGIST	CONSTRUCTION			
CONTRACTOR MUST OBTAIN DNR APPROPRIATIONS PERMIT IF PUMPING MORE THAN 10,000 GAL/DAY OR ONE MILLION GAL/YEAR	PROJECT WIDE	SWPPP NARRATIVE	DNR	ENM RESPONSE	DNR TRANSPORTATION HYDROLOGIST	CONSTRUCTION			
ANY EROSION CONTROL BLANKET MUST BE NATURAL FIBER NETTING	PROJECT WIDE	STANDARD SPEC 3885, EROSION CONTROL PLANS	DNR	ENM RESPONSE	DNR TRANSPORTATION HYDROLOGIST	CONSTRUCTION			
DO NOT USE HYDRAULIC EROSION CONTROL PRODUCTS THAT CONTAIN PLASTIC FIBERS IN AREAS THAT DRAIN TO PUBLIC WATERS	NEAR MUD LAKE	SPECIAL PROVISION (2575) ESTABLISHING VEGETATION AND CONTROLLING EROSION (HYDRAULIC MATRIX)	DNR	ENM RESPONSE	DNR TRANSPORTATION HYDROLOGIST	CONSTRUCTION			
FLOODPLAINS									
THIS PROJECT HAS TEMPORARY FLOODPLAIN IMPACTS. THESE WILL BE RESTORED THROUGH FINAL GRADING TO PRE-CONSTRUCTION CONTOURS AND SEEDING.	1100 FT SOUTH OF 392ND STREET	CONSTRUCTION PLAN; DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS	DNR	ENM RESPONSE	DNR TRANSPORTATION HYDROLOGIST	CONSTRUCTION			
PROTECTED SPECIES									
DUE TO THE POSSIBLE PRESENCE OF PROTECTED BAT SPECIES, CONTRACTOR AND CONSUCTION STAFF MUST BE AWARE OF BAT PROTECTION REQUIREMENTS AND NOTIFICATION PROCEDURES FOR BAT SIGHTINGS.	THROUGHOUT PROJECT	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	USFWS	ENM RESPONSE DOCUMENT	RYAN FOLEY MNDOT OES	CONSTRUCTION			
DIRECT TEMPORARY LIGHTING, IF USED, AWAY FROM WOODED AREAS DURING THE BAT ACTIVE SEASON (APRIL 1 TO OCTOBER 31, INCLUSIVE). IF INSTALLING NEW OR REPLACING EXISTING PERMANENT LIGHTING, USE DOWNWARD FACING, FULL CUT OFF LENS LIGHT (WITH SAME INTENSITY OR LESS FOR REPLACEMENT LIGHTING) OR FOR THOSE TRANSPORTATION AGENCIES USING THE BUG SYSTEM, BE AS CLOSE TO '0' FOR ALL THREE RATINGS WITH PRIORITY OF UPLIGHT OF '0' AND BACKLIGHT AS LOW AS PRACTICABLE.	THROUGHOUT PROJECT	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	USFWS	ENM RESPONSE DOCUMENT	RYAN FOLEY MNDOT OES	CONSTRUCTION			
RESTRICT ALL TREE CLEARING ACTIVITIES TO WHEN BATS ARE NOT LIKELY TO BE PRESENT. WINTER TREE CLEARING REQUIRED - TREE CLEARING ALLOWED NOVEMBER 1 TO MARCH 31, INCLUSIVE.	THROUGHOUT PROJECT	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	USFWS	ENM RESPONSE DOCUMENT	RYAN FOLEY MNDOT OES	CONSTRUCTION			
TREE REMOVAL MUST BE LIMITED TO THAT SPECIFIED IN PROJECT PLANS AND ENSURE THAT CONTRACTORS UNDERSTAND CLEARING LIMITS AND HOW THEY ARE MARKED IN THE FIELD (E.G. INSTALL BRIGHT FLAGGING OR PAINT MARKINGS TO ENSURE CONTRACTORS STAY WITHIN CLEARING LIMITS).	THROUGHOUT PROJECT	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	USFWS	ENM RESPONSE DOCUMENT	RYAN FOLEY MNDOT OES	CONSTRUCTION			
TREE REMOVAL MUST NOT REMOVE DOCUMENTED NLEB ROOSTS OR TREES WITHIN 0.25 MILES OF ROOSTS, OR DOCUMENTED FORAGING HABITAT ANY TIME OF THE YEAR.	THROUGHOUT PROJECT	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	USFWS	ENM RESPONSE DOCUMENT	RYAN FOLEY MNDOT OES	CONSTRUCTION			
REVEGETATION OF DISTURBED SOILS SHOULD FOLLOW DISTRICT VEGETATION ESTABLISHMENT RECOMMENDATIONS AND USE NATIVE SEED MIXES IN AREAS THAT ARE NOT PROPOSED FOR MOWED TURF GRASS. INCLUDE MOWING AND WEED SPRAYING AS INDICATED IN THE VEGETATION ESTABLISHMENT RECOMMENDATIONS.	THROUGHOUT PROJECT	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES; DRAINAGE, EROSION CONTROL, AND TURF ESTABLISHMENT PLANS	USFWS/DNR	ENM RESPONSE DOCUMENT	RYAN FOLEY MNDOT OES	CONSTRUCTION			

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PLOTTED/REVISED: 21-MAY-2024

SP 1307-38 TH 95 COMMITMENT	LOCATION	CONTRACT ITEM	REGULATOR / PARTNER	REFERENCE DOCUMENT	MnDOT TECHNICAL CONTACT	RESPONSIBLE PARTY	NOTES	VERIFICATION	VERIFICATION DATE
PROTECTED SPECIES									
DUE TO THE POSSIBLE PRESENCE OF PROTECTED TURTLE SPECIES, CONTRACTOR AND CONSTRUCTION STAFF MUST BE AWARE OF TURTLE PROTECTION REQUIREMENTS AND NOTIFICATION PROCEDURES FOR TURTLE SIGHTINGS.	PROJECT WIDE	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	DNR	ENM RESPONSE OR TURTLE AVOIDANCE PLAN	CHRIS SMITH MNDOT WILDLIFE ECOLOGIST	CONSTRUCTION			
TO PREVENT TURTLE ACCESS, INSTALL SILT FENCING OR SIMILAR TURTLE-PROOF BARRIERS AROUND ALL SOIL STOCKPILES, GRAVEL PADS, AND OTHER AREAS OF EXPOSED SOIL DURING THE NESTING SEASON (SEE SPECIAL PROVISIONS FOR DATES). REMOVE BARRIERS PRIOR TO PROJECT CLOSEOUT.	PROJECT WIDE	SPECIAL PROVISION: PROTECTION OF FISH AND WILDLIFE RESOURCES	DNR	ENM RESPONSE OR TURTLE AVOIDANCE PLAN	CHRIS SMITH MNDOT WILDLIFE ECOLOGIST	CONSTRUCTION			
CONTAMINATED MATERIALS	NO COMMITMENTS WERE IDENTIFIED DURING THE ENVIRONMENTAL REVIEW.								
TRAFFIC DISRUPTION	THIS PROJECT WILL CAUSE TRAFFIC IMPACTS AND THEY ARE ADDRESSED IN THE PROJECT'S TRAFFIC MANAGEMENT PLAN.								
ACRONYMS									
AES - AREA OF ENVIRONMENTAL SENSITIVITY AIS - AQUATIC INVASIVE SPECIES ATP - AREA TRANSPORTATION PARTNERSHIP BWSR - BOARD OF WATER AND SOIL RESOURCES CMMT - CONTAMINATED MATERIALS MANAGEMENT TEAM CRU - CULTURAL RESOURCES UNIT DNR - DEPARTMENT OF NATURAL RESOURCES EAU - ENVIRONMENTAL ASSESSMENT UNIT EIU - ENVIRONMENTAL INVESTIGATION UNIT END - ENDANGERED ENM - EARLY NOTIFICATION MEMO ESA - ENVIRONMENTAL SITE ASSESSMENT ESM - EROSION & STORMWATER MANAGEMENT UNIT	FHWA - FEDERAL HIGHWAY ADMINISTRATION GP - GENERAL PERMIT MCES - MET COUNCIL ENVIRONMENTAL SERVICES MDA - MINNESOTA DEPARTMENT OF AGRICULTURE MDH - MINNESOTA DEPARTMENT OF HEALTH MNDOT - MINNESOTA DEPARTMENT OF TRANSPORTATION MOU - MEMORANDUM OF UNDERSTANDING MPCA - MINNESOTA POLLUTION CONTROL AGENCY NEPA - NATIONAL ENVIRONMENTAL POLICY ACT NHIS - NATURAL HERITAGE INFORMATION SYSTEM OES - OFFICE OF ENVIRONMENTAL STEWARDSHIP RAP - RESPONSE ACTION PLAN RMU - REGULATED MATERIALS UNIT			RVMU - ROADSIDE VEGETATION MANAGEMENT UNIT SWPPP - STORM WATER POLLUTION PREVENTION PLAN THR - THREATENED USACE - US ARMY CORPS OF ENGINEERS USFWS - US FISH AND WILDLIFE SERVICE WCA - WETLAND CONSERVATION ACT					

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PLOTTED/REVISED: 2-JUL-2024

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

PROJECT DESCRIPTION/LOCATION

SP 1307-38 IS LOCATED ON TH 95 AT 392ND ST, FROM 1.73 MI W TO 1.19 MI W OF TH35 (I-35), IN THE CITY OF NORTH BRANCH IN CHISAGO COUNTY. THE PLANNED SCOPE OF THE PROJECT INCLUDES: GRADING, BITUMINOUS MILL AND OVERLAY, AND LIGHTING.

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. EROSION CONTROL SUPERVISOR IS INCIDENTAL.

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.

CHAIN OF RESPONSIBILITY

LAND FEATURE CHANGES

TOTAL DISTURBED AREA 6.38 ACRES
WITHIN THE DISTURBED AREA: TOTAL EXISTING IMPERVIOUS SURFACE AREA 2.93 ACRES
WITHIN THE DISTURBED AREA: TOTAL PROPOSED IMPERVIOUS SURFACE AREA 3.48 ACRES
TOTAL PROPOSED NET CHANGE IN IMPERVIOUS SURFACE AREA 0.55 ACRES

SWPPP SHEET DESCRIPTIONS	LOCATION
TEMPORARY EROSION CONTROL MEASURES	SHEETS NO. 21-26
PERMANENT EROSION CONTROL MEASURES	SHEETS NO. 18-20
DIRECTION OF FLOW	SHEETS NO. 41-43, 55-57
FINAL STABILIZATION	SHEETS NO. 55-57
SOILS AND CONSTRUCTION NOTES	SHEETS NO. 5
DRAINAGE STRUCTURES	SHEETS NO. 43, 55-59
DRAINAGE TABULATION	SHEETS NO. 7, 58-59
STORM SEWER PROFILE SHEETS	SHEETS NO. 58
STORM SEWER TABULATION	SHEETS NO. 7, 58-59
EROSION AND SEDIMENT CONTROL DETAILS	SHEETS NO. 18-26
EROSION CONTROL TABULATION	SHEETS NO. 9-10
TURF ESTABLISHMENT TABULATION	SHEETS NO. 9-10
SITE MAP	SHEETS NO. 1, 2, 60, 65
STORMWATER TREATMENT CONSTRUCTION STAGING	SHEETS NO. 41-43, 55-57
STORMWATER CALCULATIONS	HYDRAULICS FOLDER

SOIL TYPES TYPICALLY FOUND ON THIS PROJECT ARE:

Loamy Sand, Sand, Sandy Loam, Loamy Sand and Gravel, Topsoil

ENVIRONMENTAL REVIEW

THERE ARE STORMWATER MITIGATION MEASURES REQUIRED AS A RESULT OF AN ENVIRONMENTAL, ARCHEOLOGICAL OR AGENCY REVIEW. ALL MITIGATION MEASURES HAVE BEEN ADDRESSED IN THIS PLAN SET OR THE SPECIAL PROVISIONS.

THIS PROJECT IS LOCATED IN A WELL HEAD PROTECTION AREA.

THIS PROJECT IS 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.

WATER RELATED PERMITS

AGENCY	TYPE OF PERMIT
MINNESOTA POLLUTION CONTROL AGENCY (MPCA)	NPDES CONSTRUCTION PERMIT
ARMY CORPS OF ENGINEERS	TRGP

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 SPECIAL STATUS
MUD LAKE (13-66P)	PHOSPHORUS (NUTRIENT EUTROPHICATION BIOLOGICAL INDICATORS)
GRASS LAKE (13-17P)	PHOSPHORUS (NUTRIENT EUTROPHICATION BIOLOGICAL INDICATORS)

AREAS OF ENVIRONMENTAL SENSITIVITY (AES)

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

PROJECT ORGANIZATION CONTACTS		PHONE
CONTRACTOR'S EROSION AND SEDIMENT CONTROL SUPERVISOR		
CONTRACTOR'S EROSION AND SEDIMENT CONTROL INSTALLER		
MNDOT METRO WRE (EROSION CONTROL/MS4)	RYAN RUPP	651-775-4081
	SARAH THOMSON	651-775-0921
MNDOT METRO CONSTRUCTION PROJECT CONTACT	JACK BENSON	651-755-1192
MNDOT METRO CONSTRUCTION RESIDENT ENGINEER	ERIC EMBACHER	651-775-1158
MNDOT METRO WATER RESOURCES (WRE) DESIGN	BRYCE FOSSAND	651-234-7529
MNDOT METRO DESIGN	BRIAN HAGER	651-234-7663
MINNESOTA DEPARTMENT OF NATURAL RESOURCES	PATTY FOWLER	612-708-7732
ARMY CORP OF ENGINEERS	DAVID PALME	651-290-5880
MPCA DUTY OFFICER 24 HR EMERGENCY NOTIFICATION	651-649-5451 OR 1(800)-422-0798	

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.

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PLOTTED/REVISED: 22-MAY-2024

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.

STABILIZATION

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	1A
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%), DISCANCHORED 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 STORMWATER 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.
5. 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 MNDOT RIGHT OF WAY, DEPOSITING IN EXISTING OR FUTURE VEGETATED AREAS, AND FROM ENTERING STORMWATER 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 MANAGEMENT PLANS TO THE ENGINEER IN WRITING. ALLOW A MINIMUM OF 7 DAYS FOR MNDOT 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.
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.
6. DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS WHENEVER FEASIBLE. PROVIDE VELOCITY DISSIPATION DEVICES AS NEEDED TO PREVENT EROSION.
7. FLOATING SILT CURTAIN IS ALLOWED AS PERIMETER CONTROL FOR IN WATER WORK ONLY. PLACE THE FLOATING SILT CURTAIN AS CLOSE 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 10 ACRES OR LARGER OR 5 ACRES OR LARGER AND WITHIN 1 MILE OF IMPAIRED WATER) 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 IS NOT FEASIBLE.
9. PROVIDE STABILIZATION IN ANY TRENCHES CUT FOR DEWATERING OR SITE DRAINING PURPOSES.
10. 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 AT LEAST 5' APART WHEN A SPECIAL WATER IS LOCATED WITHIN 100 FEET OF THE LAND DISTURBANCE AND STORMWATER FLOWS 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 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 MNDOT METRO WATER RESOURCES. 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 WITH APPROVED DRAINAGE PERMITS. ANY CHANGES OF THE DRAINAGE SYSTEM MUST BE APPROVED BY THE METRO WATER RESOURCES DESIGNER.
2. PERFORM POST INSTALLATION MANDREL TESTING OF ALL PLASTIC PIPE.
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 APPROVAL AND SATISFACTION OF THE ENGINEER.

NPDES PERMIT TERMINATION CONDITIONS

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



Bryce Fossand
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Bryce Fossand
Date: 2024.05.22 14:30:10 -05'00'

Bryce Fossand
LIC. NO. 43444
DATE: 22-MAY-2024

I HEREBY CERTIFY THAT THIS PLAN SHEET 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.

STORM WATER POLLUTION PREVENTION PLANS

STATE PROJ. NO. 1307-38
(T.H. 95)

SHEET NO. 64
TOTAL SHEETS 65

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

TREATMENT BMPS INCLUDED WITH THIS PROJECT ARE:

NO PERMANENT TREATMENT BMPS ARE REQUIRED WITH THIS PROJECT.
GRADING FOR PERMANENT FLOOD ATTENUATION AREA EAST OF THE INTERSECTION OF TH95 AND 392ND
FLOW THROUGH VEGETATED FLOOD ATTENUATION AREA AND DITCHES PROVIDE SOME TREATMENT BENEFITS.

LONG TERM MAINTENANCE AND OPERATION

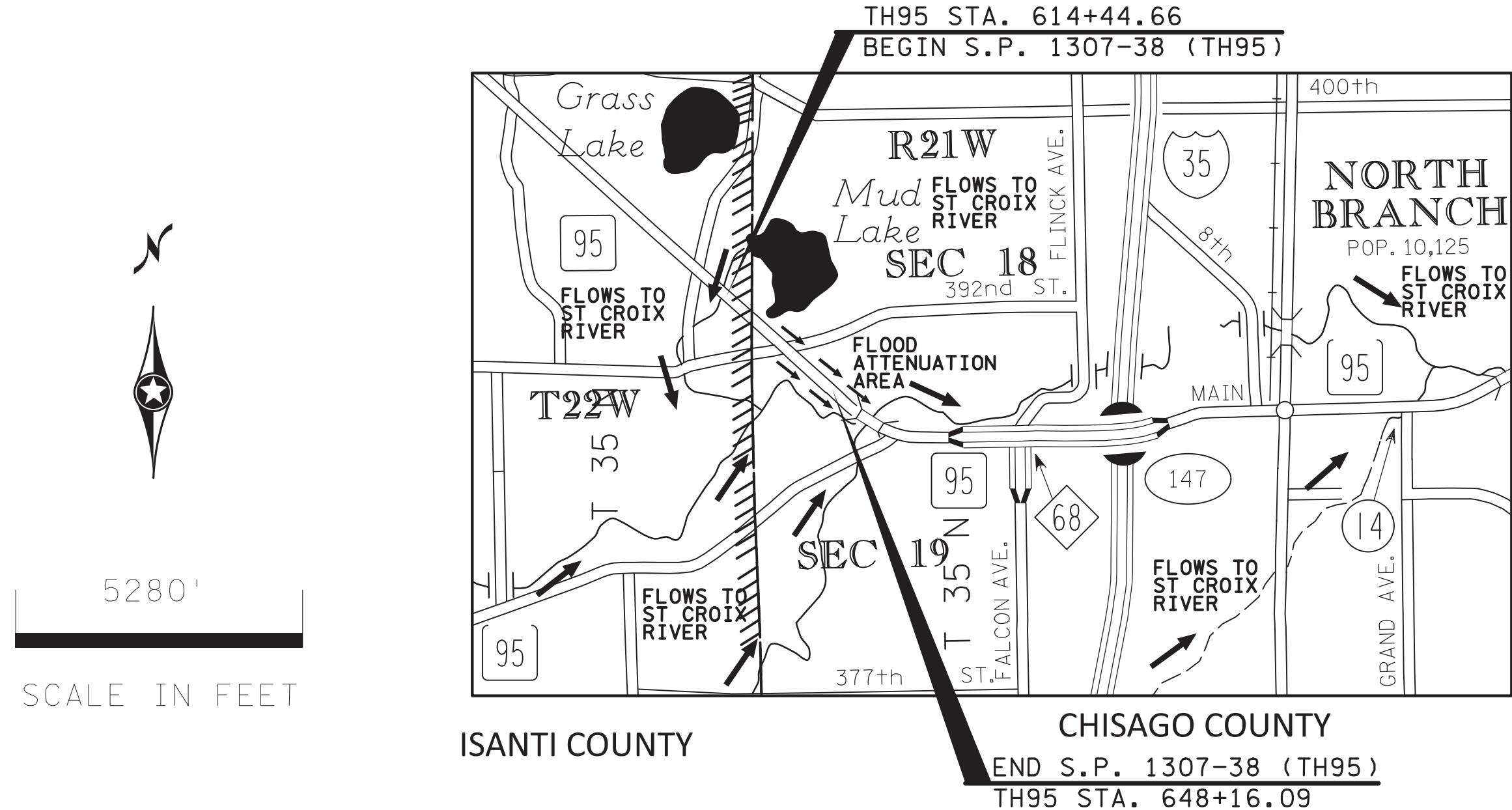
MNDOT METRO DISTRICT MAINTENANCE STAFF ARE RESPONSIBLE FOR THE LONG TERM MAINTENANCE AND OPERATION OF THE PERMANENT STORMWATER SYSTEM. CONTACT THE MNDOT METRO MS4 PROGRAM FOR ADDITIONAL INFORMATION.

LANDSCAPING NOTES

- 1. FILTER LOGS SHALL BE PLACED, AS NEEDED, TO TRAP SEDIMENT ON THE LOWER EDGE OF BEDS OR TREE HOLES. FILTER LOGS WILL BE CUT AND MATERIALS LEFT TO ACT AS SEDIMENT TRAPS.
- 2. TILLING FOR BEDS OR TREE HOLES MUST BE PLANTED AND MULCHED WITH WOOD CHIP WITHIN 7 DAYS OR STABILIZED UNTIL PLANTING OPERATIONS CAN BE COMPLETED.
- 3. ANY POND CORNERS OPENED DUE TO TILLING FOR SHRUB BEDS OR TREE HOLES MUST BE PLANTED AND MULCHED WITH WOOD CHIP WITHIN 24 HOURS OR STRAW MULCHED UNTIL PLANTING OPERATIONS CAN BE COMPLETED.

OFFSITE FLOW INFORMATION DRAWING

PLOT NAME: d1307038_320swp
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_320swp.dgn
PLOTTED/REVISED: 2-JUL-2024



NOTES & GUIDELINES

GENERAL INFORMATION:

1. ALL DISTANCES ARE APPROXIMATE.

SIGNING:

1. ALL TEMPORARY SIGNS ARE REQUIRED TO BE CRASHWORTHY PER THE AASHTO MANUAL FOR ASSESSING SAFETY HARDWARE 2016 (MASH-2016). TEMPORARY SIGN STRUCTURES THAT ARE CRASHWORTHY UNDER THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 (NCHRP-350) MAY BE USED PROVIDED THE DEVICES WERE ACQUIRED BY THE CONTRACTOR PRIOR TO DECEMBER 31ST, 2019. THE MINNESOTA TYPE "C" AND "D" BRACED LEG U-CHANNEL (KNEE BRACE) SIGN SUPPORT IS NOT ALLOWED.
2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FINAL SIGNS TO ASSURE THAT THE FINAL SIGNS ARE PLACED AS NEEDED, OR PROVIDE TEMPORARY SIGNING UNTIL THE FINAL SIGNING IS PLACED.
3. WHEN MULTIPLE GROUND MOUNTED SIGN STRUCTURES ARE PLACED ADJACENT TO EACH OTHER THERE SHOULD BE NO MORE THAN 2 POSTS WITHIN 84" OF EACH OTHER. WHEN THIS SPACING CAN NOT BE MAINTAINED, THEN SIGN STRUCTURES SHALL BE OFFSET, AND STAGGERED WITH A MINIMUM OF 4' BETWEEN SIGN STRUCTURES BOTH Laterally and Longitudinally.
4. WHEN A SIGN OR BARRICADE IS ORIENTED SUCH THAT VISIBILITY TO ROAD USERS INCLUDING BIKES AND PEDESTRIANS IS REDUCED ENOUGH TO CAUSE A HAZARD, DELINEATE THE SIGN/BARRICADE WITH APPROPRIATE DEVICES.
5. TEMPORARY SIGNS SHALL BE PLACED SUCH THAT OBSTACLES DO NOT BLOCK THEM FROM BEING VIEWED BY APPROACHING ROAD USERS. OBSTACLES MAY INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, TREES, SIGNS, AND BUILDINGS.
6. TEMPORARY SIGNS SHALL BE PLACED AND ORIENTED APPROXIMATELY AS SHOWN IN THE PLAN, AT RIGHT ANGLES TO DIRECTION OF AND FACING THE TRAFFIC THEY ARE INTENDED TO SERVE, UNLESS OTHERWISE SPECIFIED.
7. LONGITUDINAL DROPOFFS SHALL BE SIGNED AS SHOWN IN THE "MINNESOTA TEMPORARY TRAFFIC CONTROL FIELD MANUAL" PAGES (6K-aJ) THRU (6K-dI) UNLESS OTHERWISE SPECIFIED IN THESE PLANS.
8. AFTER REMOVAL OF SIGN AND/OR SIGN BASE, BACK FILL, COMPACT, AND LEVEL SOIL TO MATCH SURROUNDING SOIL.

PAVEMENT MARKING:

1. MASK OR REMOVE ANY CONFLICTING PAVEMENT MARKINGS AS SHOWN IN THE PLAN OR APPROVED BY THE ENGINEER.
2. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE WET REFLECTIVE. ALL PAVEMENT MARKINGS IN TAPERS AND TRANSITIONS SHALL BE 6" IN WIDTH.
3. SEE 2582 IN THE SPECIAL PROVISIONS FOR PAVEMENT MARKING SPOTTING RESPONSIBILITIES.

CONSTRUCTION INFORMATION SIGNING:

1. THE CONTRACTOR SHALL USE CONSTRUCTION INFORMATION SIGNING AS SHOWN IN THE PLAN WHICH ARE TO BE USED AS FOLLOWS:

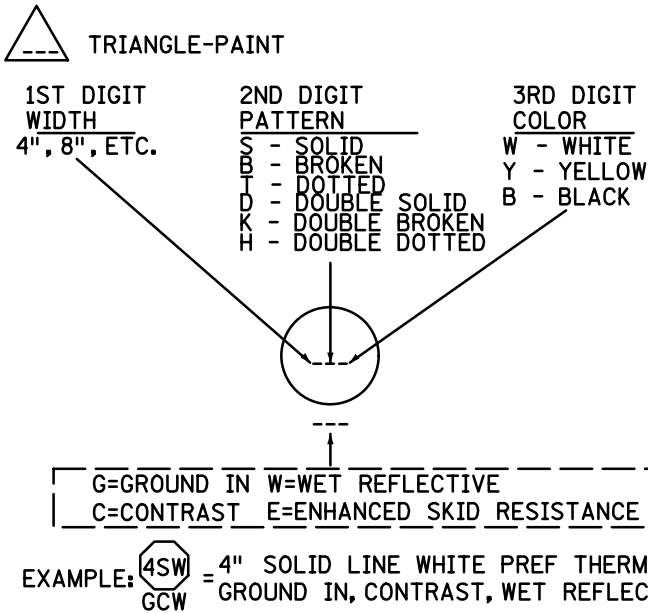
PLACE G20-X2 ADVANCE NOTICE SIGNS 14 DAYS PRIOR TO THE WORK STARTING DATE. ONCE WORK BEGINS, COVER THE START DATE LEGEND WITH SUGGESTED PLAQUE CONTAINED IN THIS PLAN. IF NO ALTERNATE MESSAGE IS SHOWN IN THE PLAN OR APPROVED BY THE ENGINEER, DISPLAY THE CORRECT ESTIMATED FINISH DATE, MONTH, OR SEASON.

IF CONSTRUCTION INFORMATION SIGNING IS NO LONGER VISIBLE TO THE MOTORING PUBLIC ONCE WORK BEGINS, MOVE SAID SIGNING TO A SITE IN ADVANCE OF THE WORK ZONE OR CLOSURE AS SHOWN IN THE PLAN OR APPROVED BY THE ENGINEER.

PAVEMENT MARKING SYMBOLS AND MATERIALS LEGEND

----- SOLID LINE PAVEMENT MARKING WITH
TEMPORARY RAISED PAVEMENT MARKERS
AT 10' SPACES
----- BROKEN LINE-50' CYCLE (10' LINE, 40' GAP)

STRIPING KEY



INDEX

TRAFFIC CONTROL SHEET NO.	DESCRIPTIONS
TC1	TEMPORARY TRAFFIC CONTROL TITLE SHEET
TC2 - TC3	PAY ITEM TABULATION
TC4	TEMPORARY SIGN TABULATION
TC5	SPECIAL SIGN DETAILS
TC6	ADVANCED SIGNING
TC7	DETOUR DETAILS
TC8 - TC14	TRAFFIC CONTROL DETAILS
TC15	TYPICALS

TRAFFIC CONTROL DEVICES & SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	AREA CLOSED TO TRAFFIC / WORK AREA
	TRAFFIC CONTROL SIGN
	TYPE III BARRICADE =
	DRUM-LIKE CHANNELIZER (TYPE B) =
	TYPE A FLASHING WARNING LIGHT
	TUBULAR MARKER (TYPE A) =

SYMBOL	DESCRIPTION
	PORTABLE PRECAST CONC BARRIER DES 8337 WITH DELINEATORS AT 25' SPACES (PPCB)
	TEMPORARY IMPACT ATTENUATOR (TL3)

I HEREBY CERTIFY THAT SHEETS TC1_ THROUGH TC15_ OF THIS PLAN WERE 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

MITCHELL BARTELT LIC. NO. 46577
DESIGNER DOUGLAS PEDERSEN DATE 5-JUN-2024



TRAFFIC CONTROL
TITLE SHEET

STATE PROJ. NO. 1307-38	SHEET NO.TC1
TRUNK HWY. (TH 95)	OF TC15 SHEETS

PLOT NAME: t1307038_TS&T
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\TrafficControl\WorkZone\t1307038_TS&T.tcp
PLOTTED/REVISED: 20-JUN-2024

NOTES

TRAFFIC CONTROL TABULATION			TC
TAB	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
TC-B	PAVEMENT MARKING REMOVAL	LIN FT	59871
TC-C	PAVEMENT MARKING REMOVAL	SQ FT	96
	TRAFFIC CONTROL	LUMP SUM	1
TC-E	RAISED PAVEMENT MARKER TEMPORARY	EACH	310
	TUBULAR MARKER	EACH	253
	REPLACE TUBULAR MARKER	EACH	50
	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	3200
	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	4
TC-A	6" SOLID LINE PAINT (WR)	LIN FT	17194
TC-A	4" DOUBLE SOLID LINE PAINT (WR)	LIN FT	9065
TC-D	PORTABLE BARRIER DELINEATOR	EACH	128

- (1) YELLOW
- (2) IMPACT ATTENUATOR TL3
- (3) TO BE TOP MOUNTED

PAVEMENT LINE MARKING				TC-A
ITEM DESCRIPTION	UNIT	YELLOW	WHITE	TOTAL QUANTITY
6" SOLID LINE PAINT (WR)	LIN FT		17194	17194
4" DOUBLE SOLID LINE PAINT (WR)	LIN FT	9065		9065

PLOT NAME: t1307038_TS&T
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\TrafficControl\WorkZone\t1307038_TS&T.tcp
PLOTTED/REVISED: 30-APR-2024

PAVEMENT MARKING REMOVAL-LINE				TC-B
ITEM DESCRIPTION	UNIT	LENGTH	4" EQUIVALENCY FACTOR	TOTAL QUANTITY
6" SOLID LINE NON CONT	LIN FT	13866	2.25	31198.5
4" BROKEN LINE NON CONT	LIN FT	4600	1.75	8050
4" SOLID LINE NON CONT	LIN FT	11784	1.75	20622

PAVEMENT MARKING REMOVAL - MESSAGE			TC-C
MESSAGE	AREA (SQ FT)	QTY (EACH)	TOTAL QUANTITY (SQ FT)
RIGHT ARROW	48	2	96
PAY ITEM TOTAL			96

PORTABLE BARRIER DELINEATOR TC-D		
AMOUNT	COLOR	DIRECTION
128	WHITE	TWO WAY
TOTAL	128	

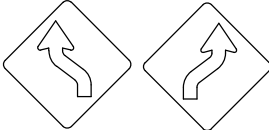
TEMPORARY RASIED PAVEMENT MARKERS TC-E		
AMOUNT	COLOR	DIRECTION
310	WHITE	ONE WAY
TOTAL	310	

PLOT NAME: t1307038_SIGNS

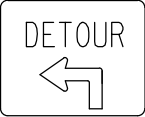
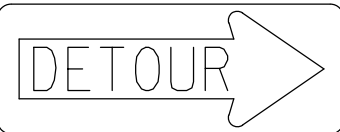
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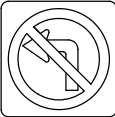
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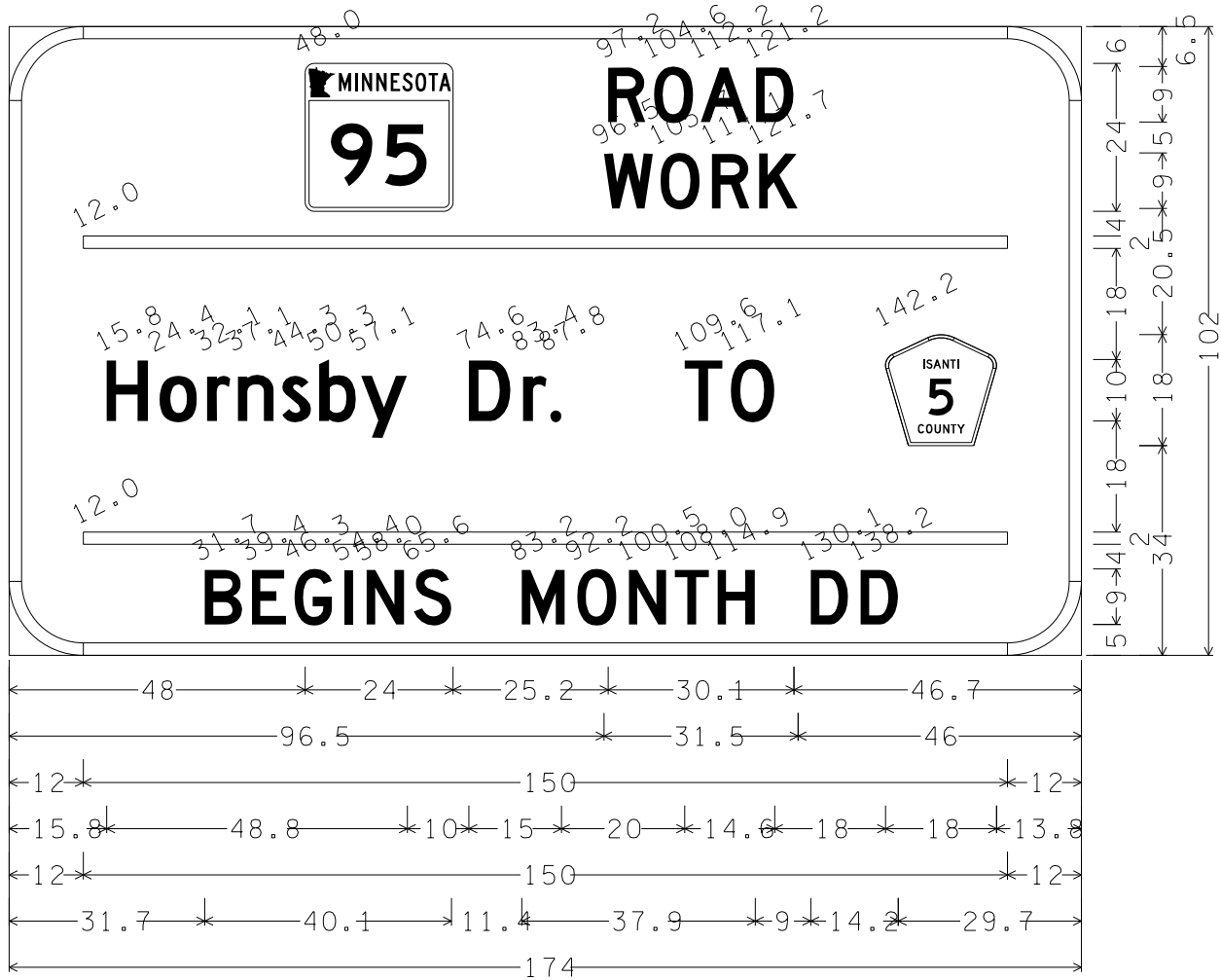
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”W” SERIES SINGLE SIGN MOUNTS			
SIGN	SIGN NO.	COLOR	SIZE (IN. X IN.)
	W16-8P	BLACK ON ORANGE	XX" X 8"
	W20-2	BLACK ON ORANGE	36" X 36"
	W20-1	BLACK ON ORANGE	36" X 36"
	W20-X17	BLACK ON ORANGE	36" X 36"
	W1-4 (L/R)	BLACK ON ORANGE	36" X 36"
	W1-6	BLACK ON ORANGE	48" X 24"

”G” SERIES SINGLE SIGN MOUNTS			
SIGN	SIGN NO.	COLOR	SIZE (IN. X IN.)
	G20-2	BLACK ON ORANGE	36" X 18"

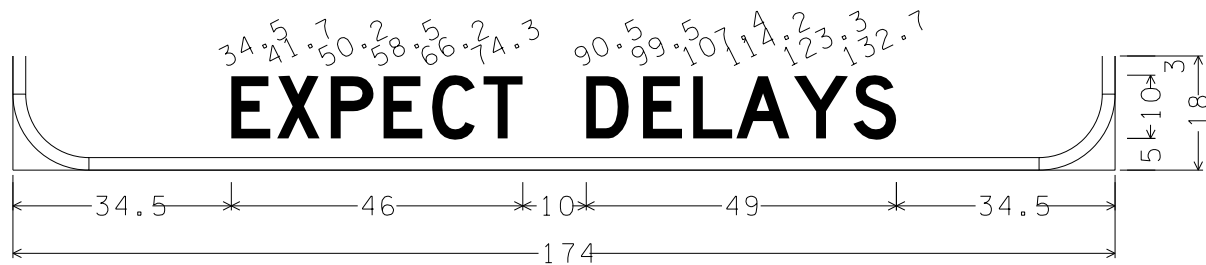
”M” SERIES SINGLE SIGN MOUNTS			
SIGN	SIGN NO.	COLOR	SIZE (IN. X IN.)
	M4-9M (R,L,ATR,ATL R45,L45, R90, L90)	BLACK ON ORANGE	30" X 24"
	M4-8a	BLACK ON ORANGE	24" X 18"
	M4-10 (L or R)	BLACK ON ORANGE	48" X 18"

”R” SERIES SINGLE SIGN MOUNTS			
SIGN	SIGN NO.	COLOR	SIZE (IN. X IN.)
	R3-1	BLACK and RED on WHITE	24" X 24"
	R3-2	BLACK and RED on WHITE	24" X 24"
	R4-7c	BLACK ON WHITE	18" X 30"
	R4-1	BLACK ON WHITE	36" X 48"
	R11-2M	BLACK ON WHITE	48" X 30"



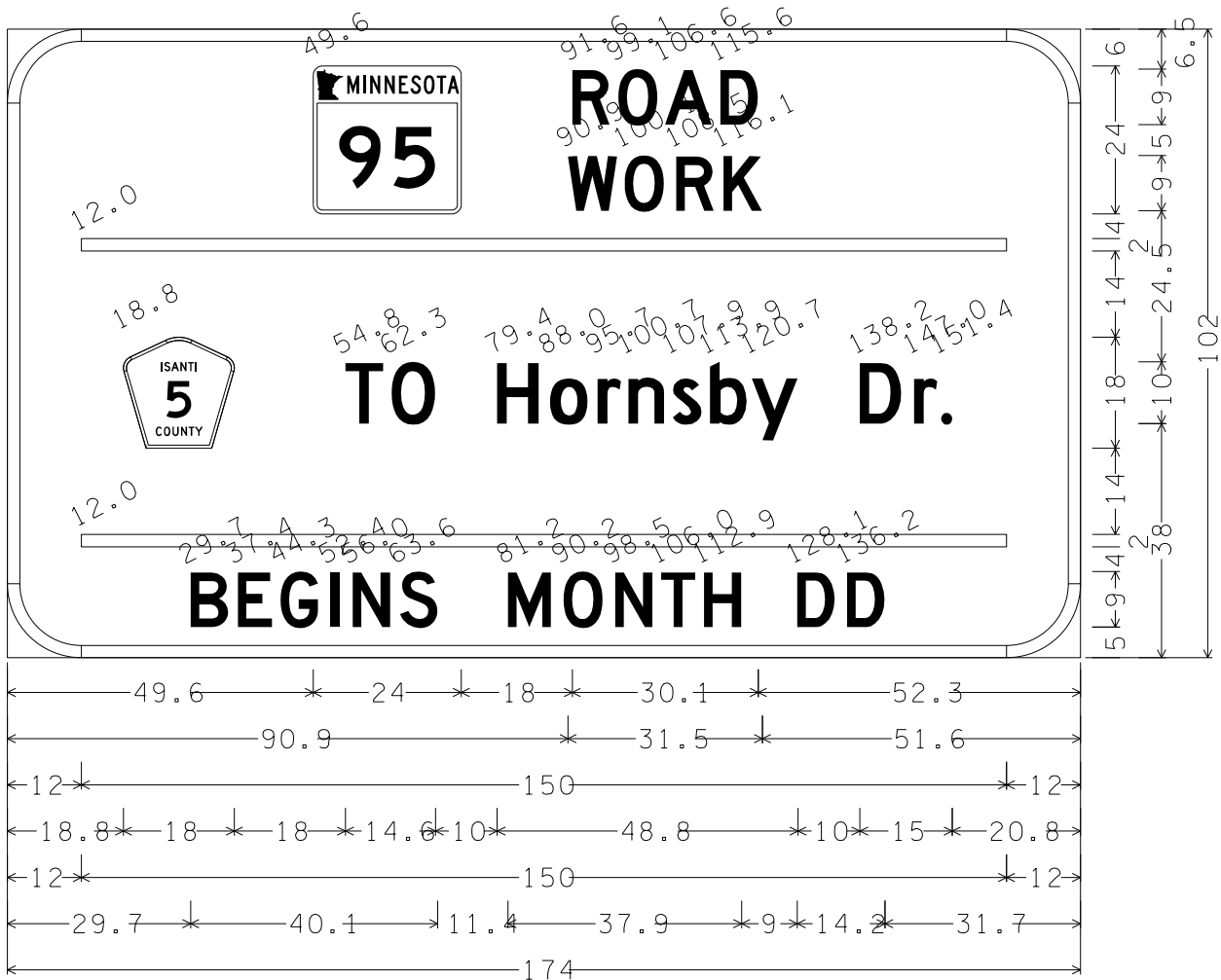
G20-X2(A).sgn;
12.0" Radius, 2.0" Border, Black on Orange;
State Highway 95 M1-5M; "ROAD", D 2K; "WORK", D 2K; "Hornsby Dr.", D 2K;
"TO", D 2K; "BEGINS", D 2K; "MONTH DD", D 2K;

WZ-1



G20-X2 PANEL;
12.0" Radius, 2.0" Border, Black on Orange;
"EXPECT DELAYS", D 2K;

WZ-3

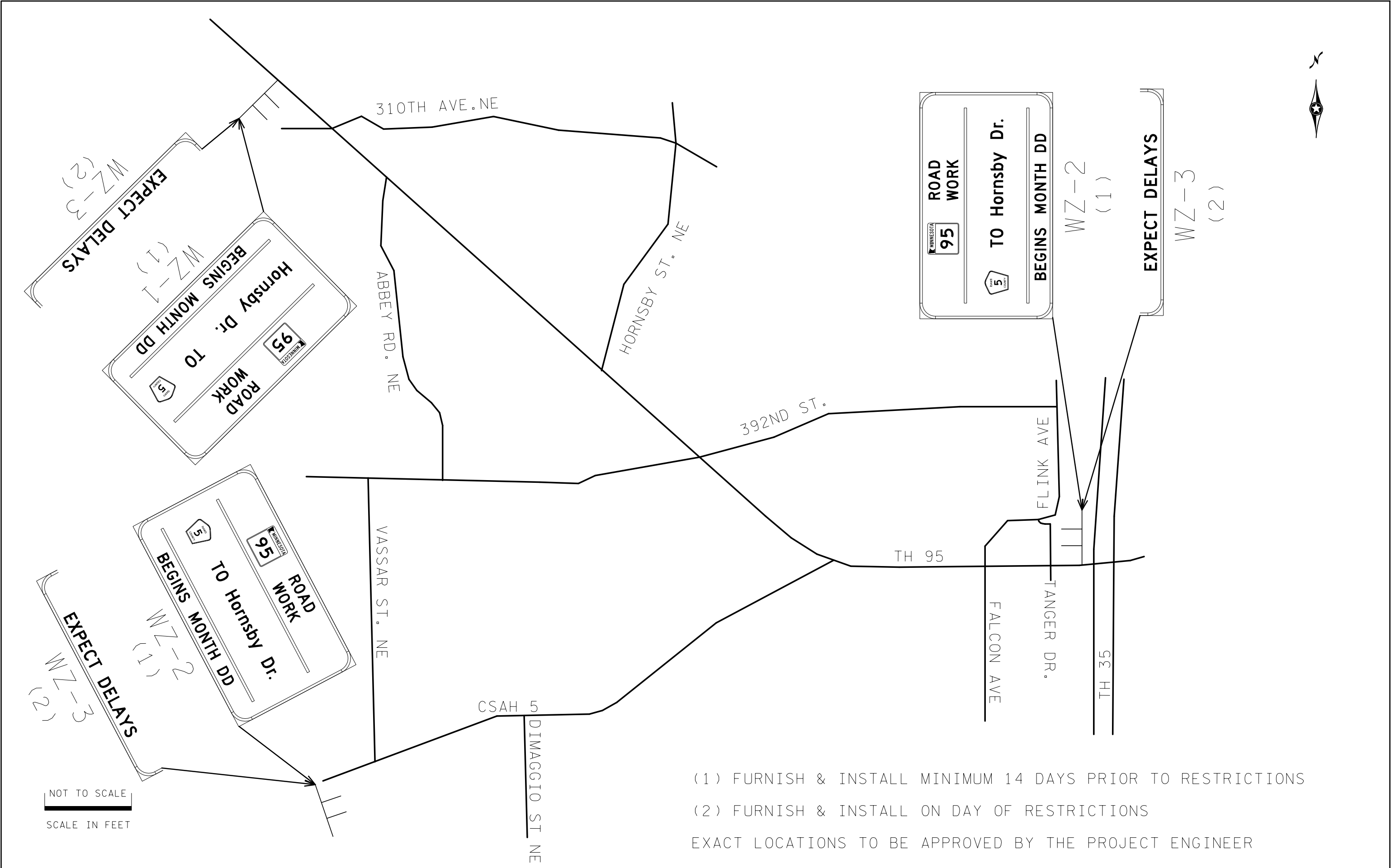


G20-X2(A).sgn;
12.0" Radius, 2.0" Border, Black on Orange;
State Highway 95 M1-5M; "ROAD", D 2K; "WORK", D 2K; "TO", D 2K;
"Hornsby Dr.", D 2K; "BEGINS", D 2K; "MONTH DD", D 2K;

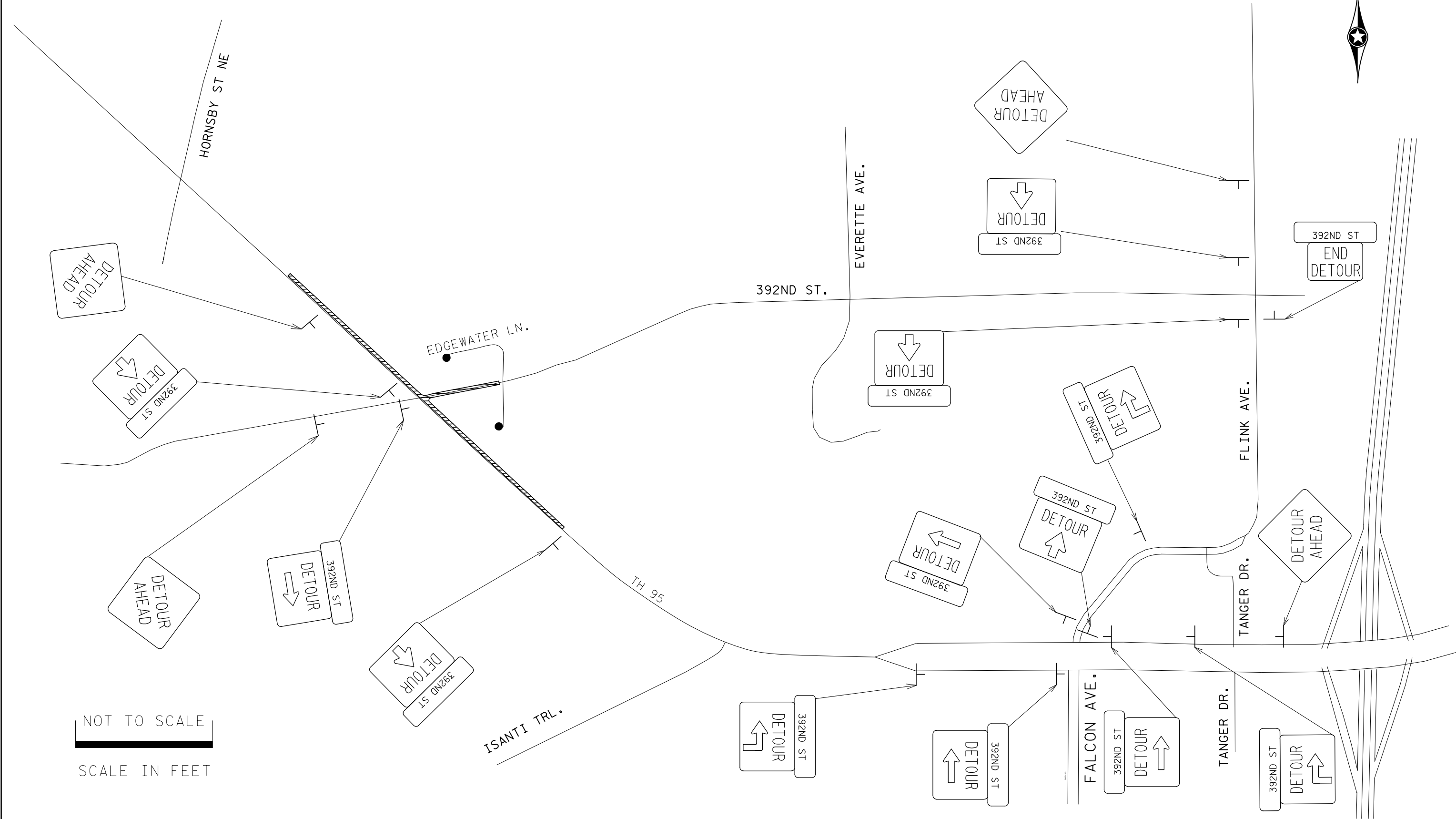
WZ-2

PANEL WIDTH (INCHES)	PANEL HEIGHT (INCHES)	SQUARE TUBE POST SPACING
		(2 1/2 INCH SLIP BASE) 5 POSTS (INCHES)
174	102	42

GENERAL NOTE :
ALL DIMENSIONS ARE IN INCHES



DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LIC. NO. <u>46577</u> DATE <u>20-JUN-2024</u>		ADVANCED SIGNING	STATE PROJ. NO. 1307-38	SHEET NO. TC 6
CHECKED BY: BT				TRUNK HWY. (TH 95)	OF TC15 SHEETS

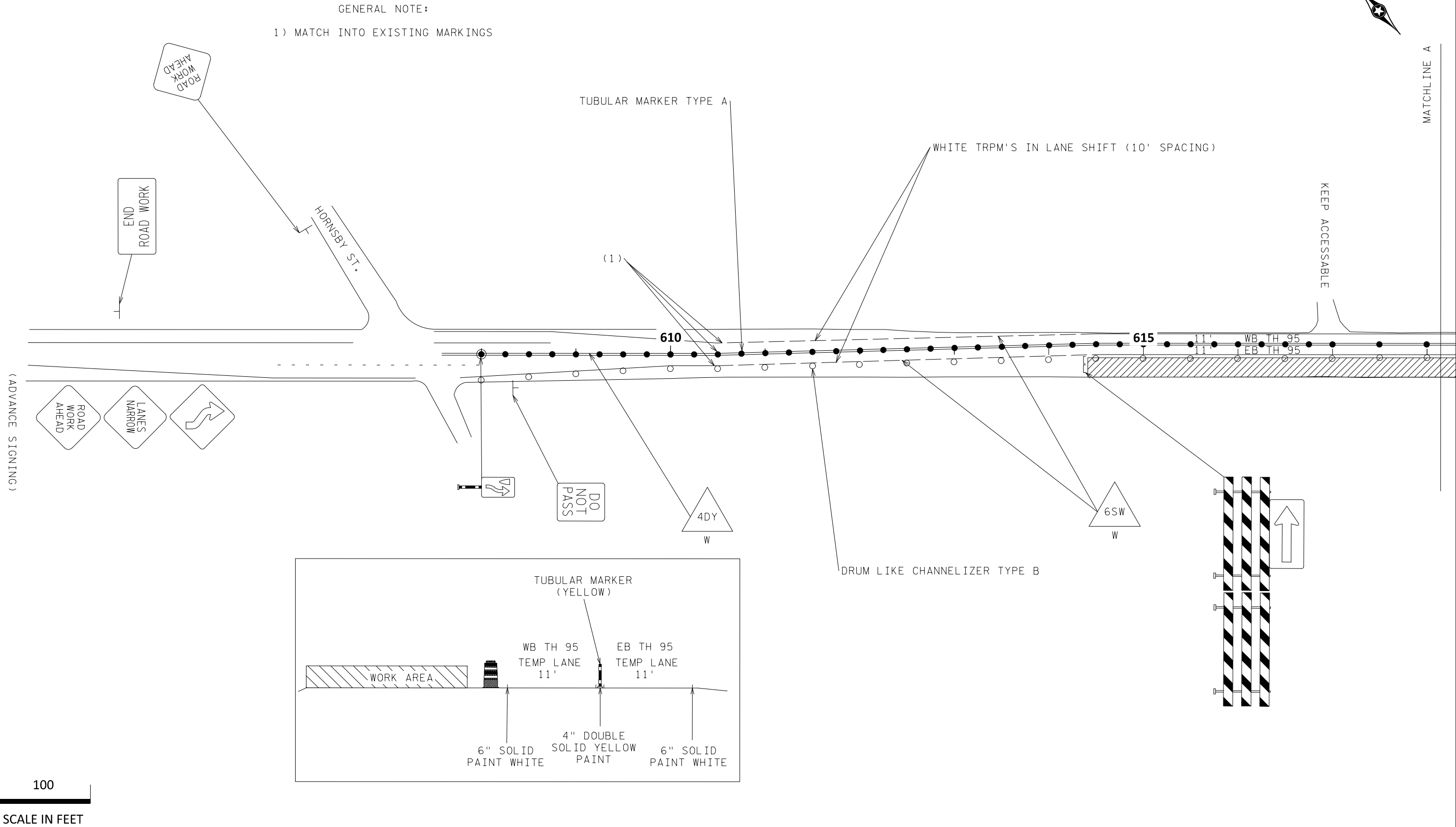


NOT TO SCALE
SCALE IN FEET

DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LIC. NO. <u>46577</u> DATE <u>30-APR-2024</u>		DETOUR DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. TC 7
CHECKED BY: BT				TRUNK HWY. (TH 95)	OF TC15 SHEETS

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30-APR-2024
PLOTTED/REVISED:



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SCALE IN FEET

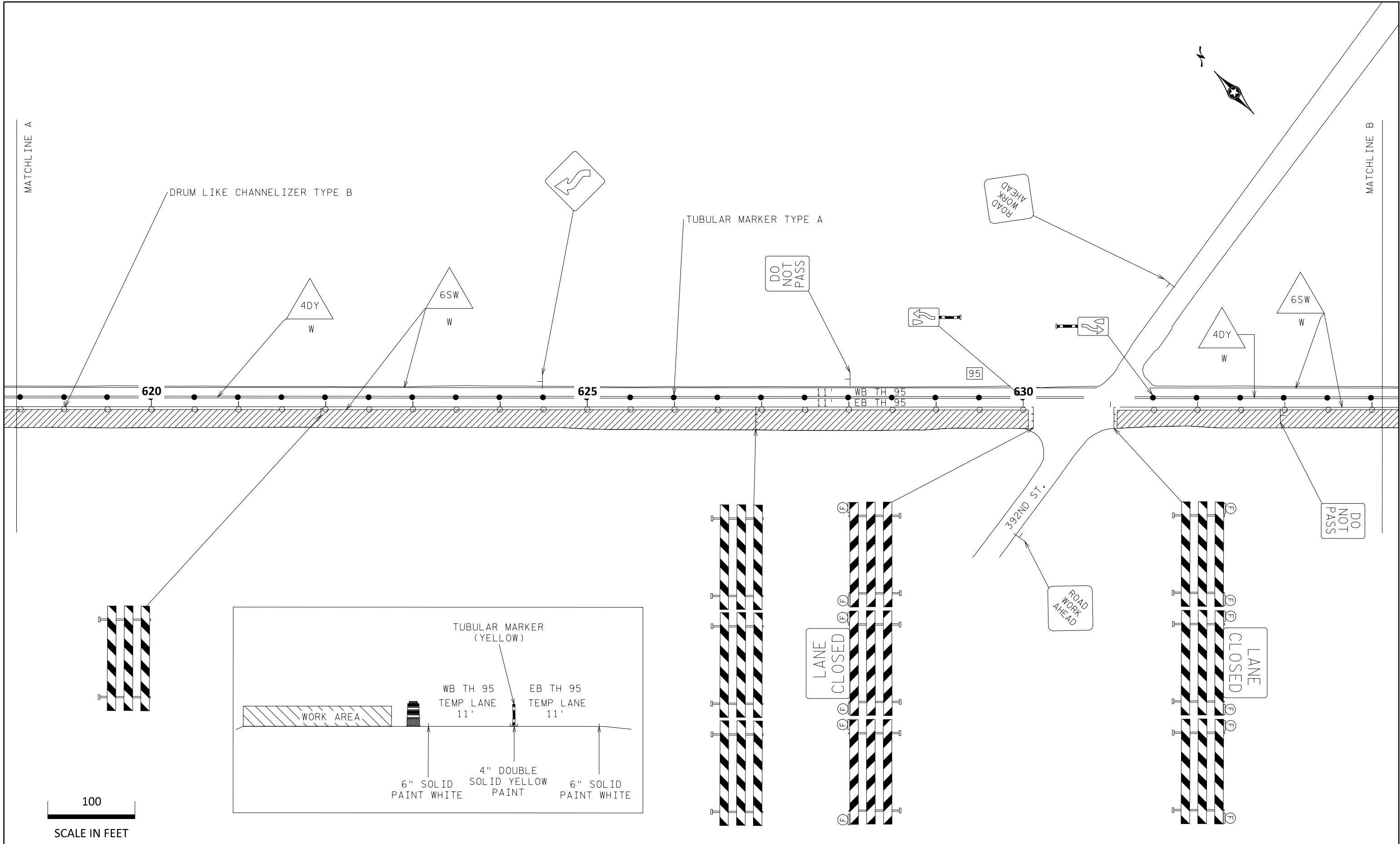
STAGE 1

DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LICENSED PROFESSIONAL ENGINEER	LIC. NO. <u>46577</u> DATE <u>30-APR-2024</u>		TRAFFIC CONTROL DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. TC 8
CHECKED BY: BT					TRUNK HWY. (TH 95)	OF TC15 SHEETS

30-APR-2024

PLOTTED/REVISED:

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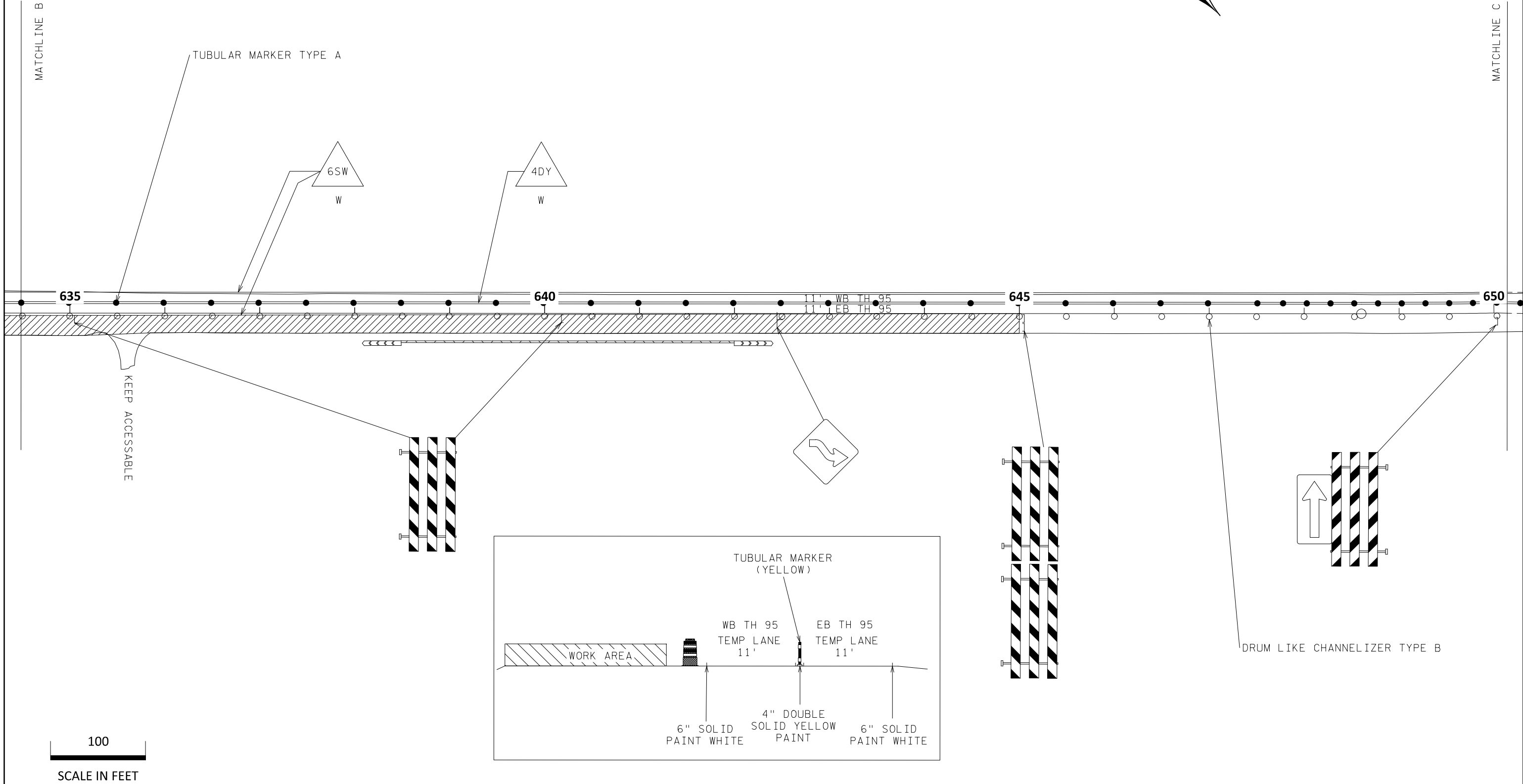
STAGE 1

DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LICENSED PROFESSIONAL ENGINEER	LIC. NO. <u>46577</u> DATE <u>30-APR-2024</u>		TRAFFIC CONTROL DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. TC 9
CHECKED BY: BT					TRUNK HWY. (TH 95)	OF TC15 SHEETS

30-APR-2024

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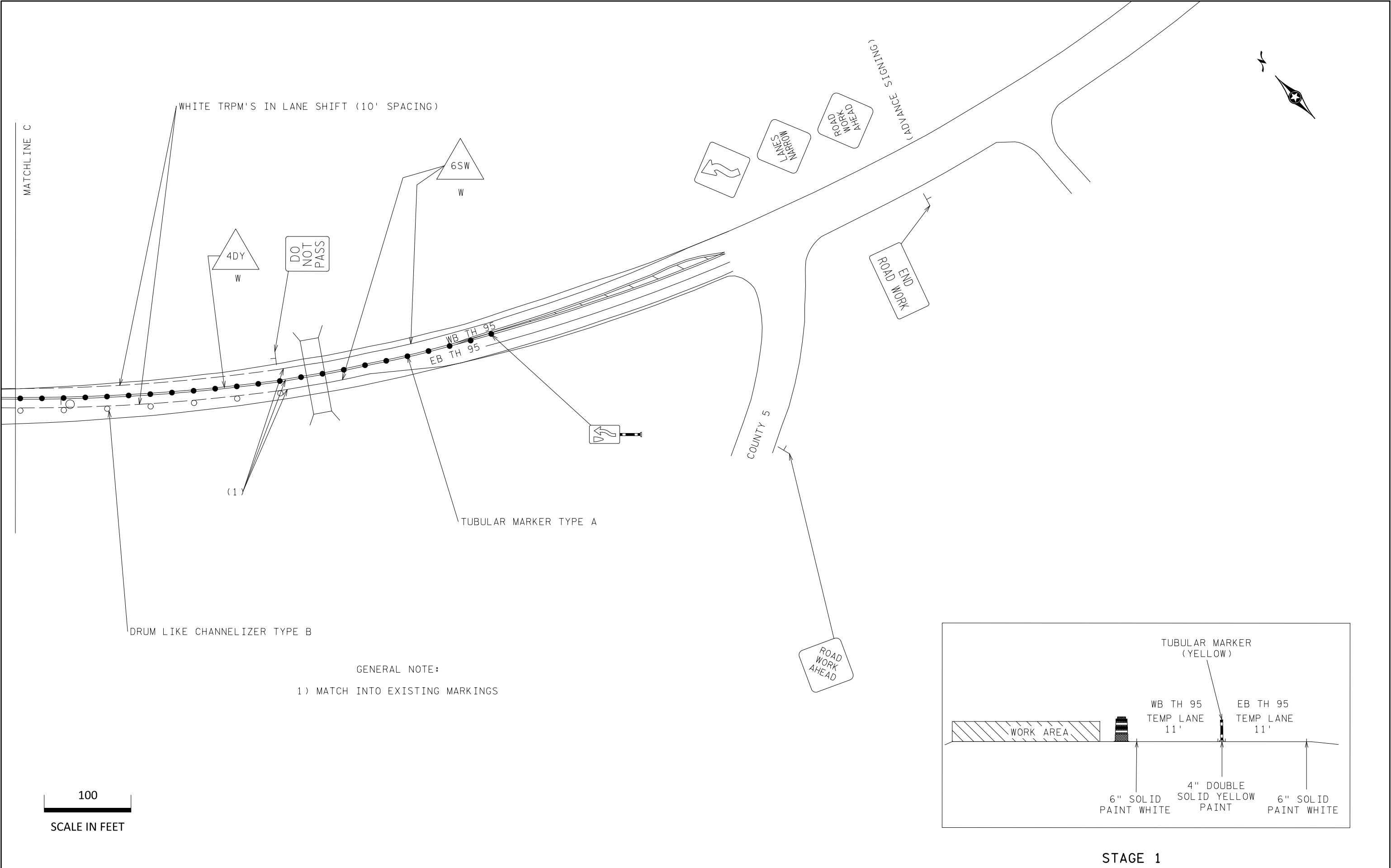
100
SCALE IN FEET

STAGE 1

DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LICENSED PROFESSIONAL ENGINEER	LIC. NO. <u>46577</u> DATE <u>30-APR-2024</u>	 DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. TC10
CHECKED BY: BT					TRUNK HWY. (TH 95)	OF TC15 SHEETS

PLOTTED/REVISED: 30-APR-2024

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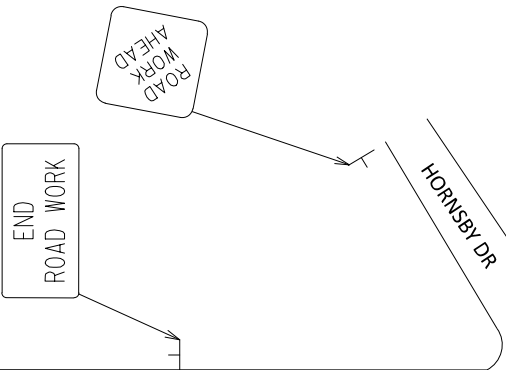


DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Butte</i></u> LICENSED PROFESSIONAL ENGINEER	LIC. NO. <u>46577</u> DATE <u>30-APR-2024</u>		TRAFFIC CONTROL DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. TC11
CHECKED BY: BT					TRUNK HWY. (TH 95)	OF TC15 SHEETS

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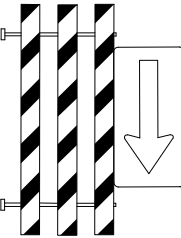
PLOTTED/REVISED: 20-JUN-2024

GENERAL NOTE:
1) MATCH INTO EXISTING MARKINGS

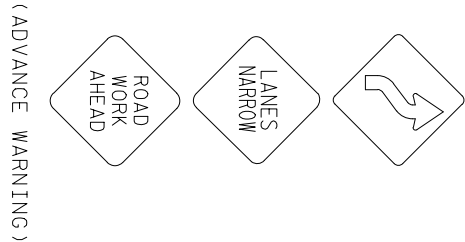


DRUM LIKE CHANNELIZER TYPE B

WHITE TPRM'S WITH 10' SPACING IN LANE SHIFT



KEEP DRIVEWAY ACCESSABLE



DO NOT PASS

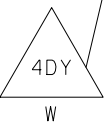
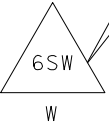
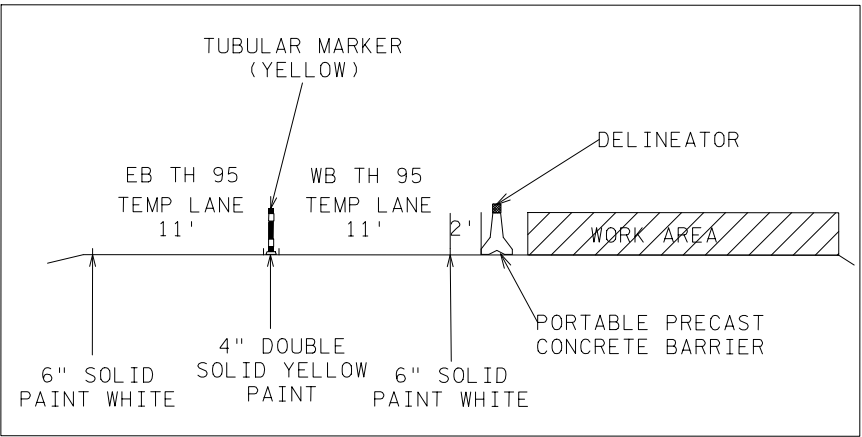
(1)

610

615

MATCHLINE D

100
SCALE IN FEET



STAGE 2

DRAWN BY: DJP

CHECKED BY: BT

CERTIFIED BY *Mitchell Buttle*
LICENSED PROFESSIONAL ENGINEER

LIC. NO. 46577 DATE 20-JUN-2024



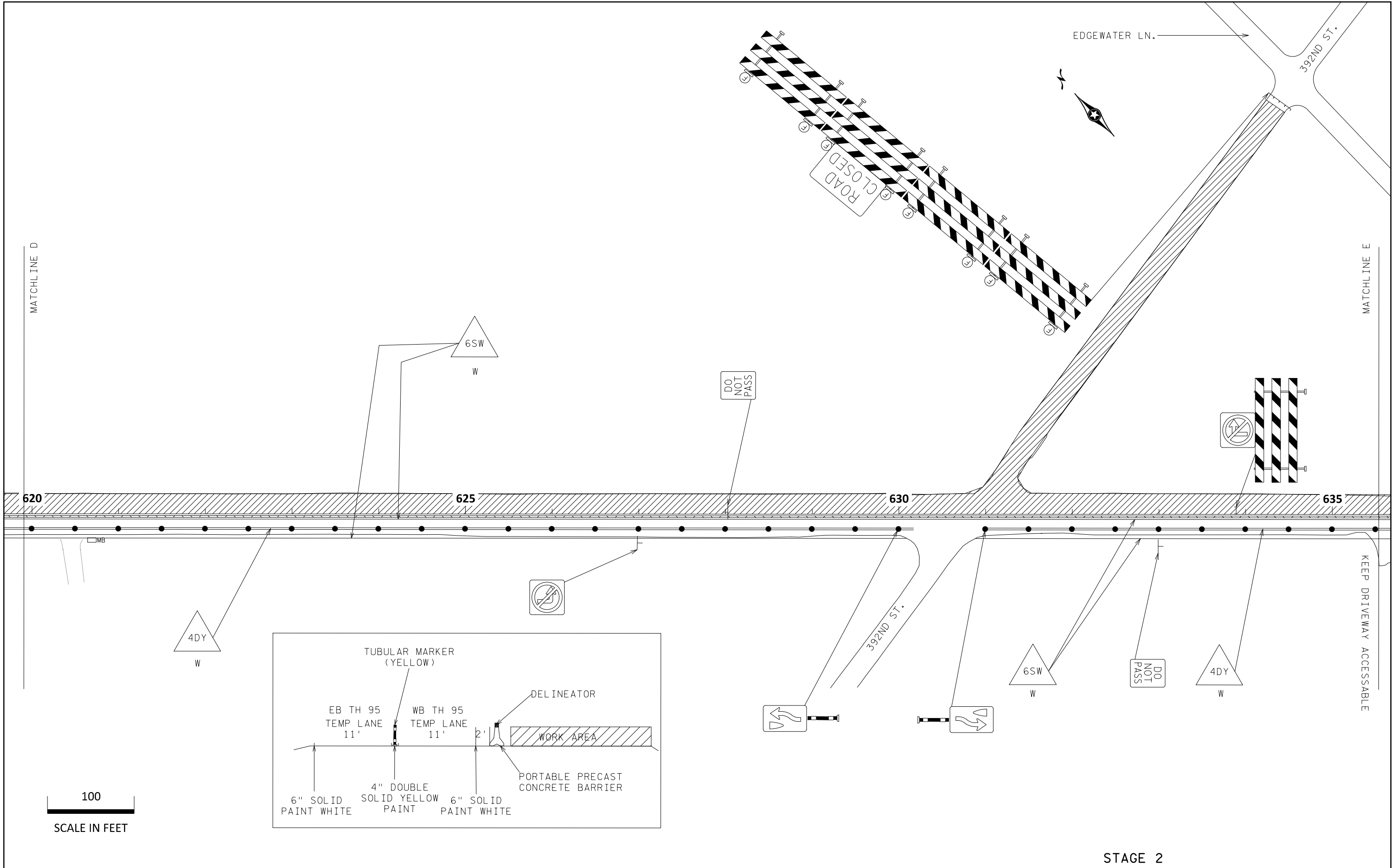
TRAFFIC CONTROL DETAILS

STATE PROJ. NO. 1307-38
TRUNK HWY. (TH 95)

SHEET NO. TC12
OF TC15 SHEETS

PLOTTED/REVISED: 20-JUN-2024

PLOT NAME: t1307038_TC2.tcp
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DRAWN BY: DJP	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LIC. NO. <u>46577</u> DATE <u>20-JUN-2024</u>	 DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. TC13
CHECKED BY: BT				TRUNK HWY. (TH 95)	OF TC15 SHEETS

PLOT NAME: t1307038_TC2.tcp
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20-JUN-2024

PLOTTED/REVISED:

GENERAL NOTE:

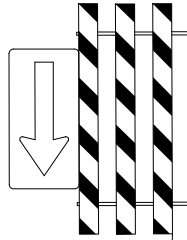
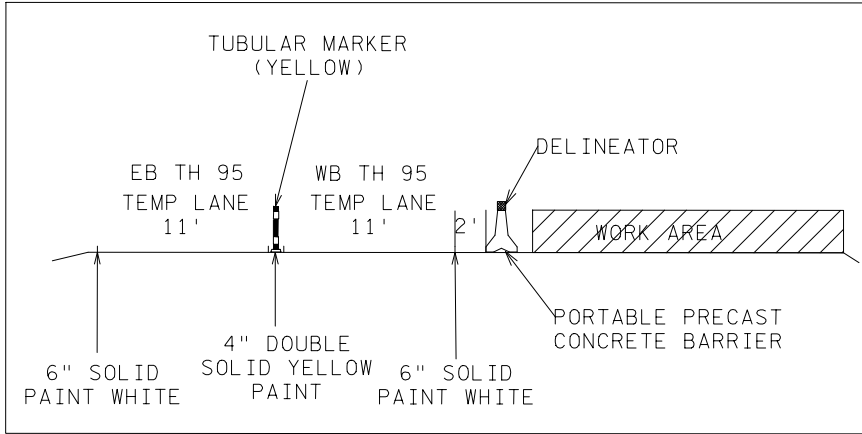
1) MATCH INTO EXISTING MARKINGS

MATCHLINE E

KEEP DRIVEWAY ACCESSIBLE

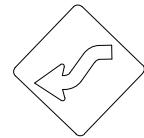
6SW
W

100
SCALE IN FEET



DRUM LIKE CHANNELIZER TYPE B

DO NOT PASS



(ADVANCE WARNING)

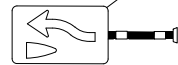
650

645

640

4DY
W

WHITE TPRM'S WITH 10' SPACING IN LANE SHIFT



END
ROAD WORK

STAGE 2

DRAWN BY: DJP

CHECKED BY: BT

CERTIFIED BY

Mitchell Butte
LICENSED PROFESSIONAL ENGINEER

LIC. NO.

46577

DATE 20-JUN-2024



TRAFFIC CONTROL DETAILS

STATE PROJ. NO. 1307-38

TRUNK HWY. (TH 95)

SHEET NO. TC14

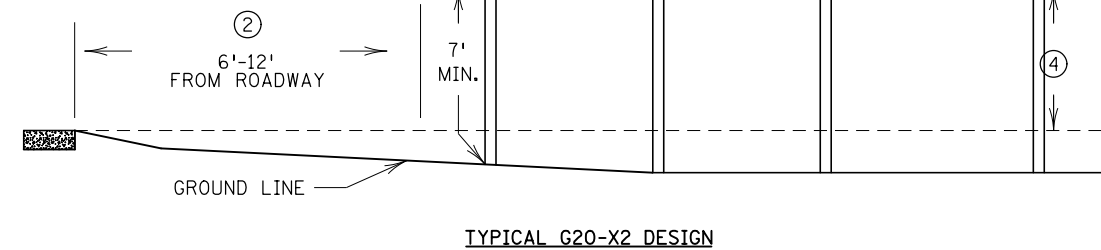
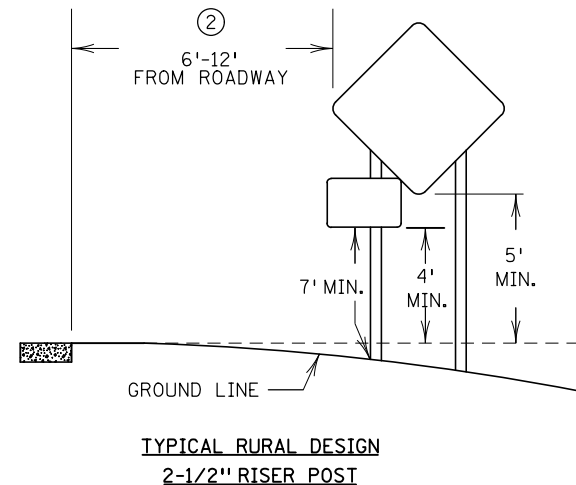
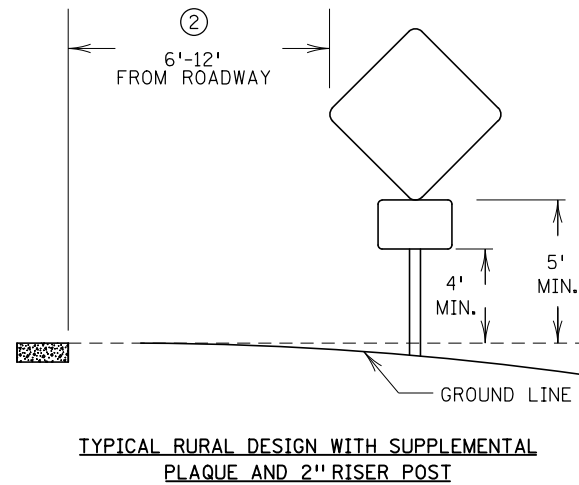
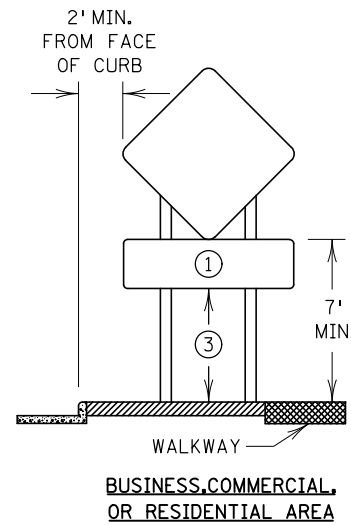
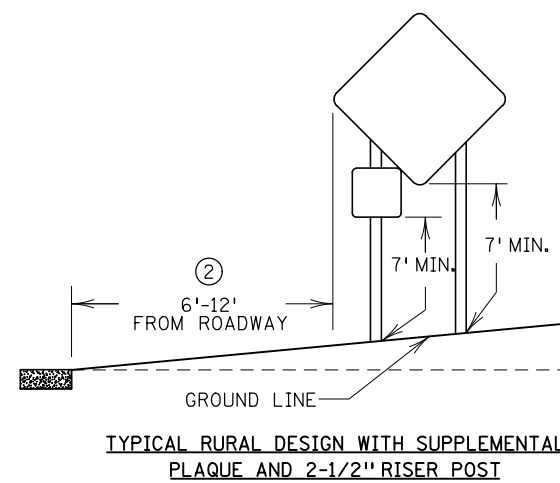
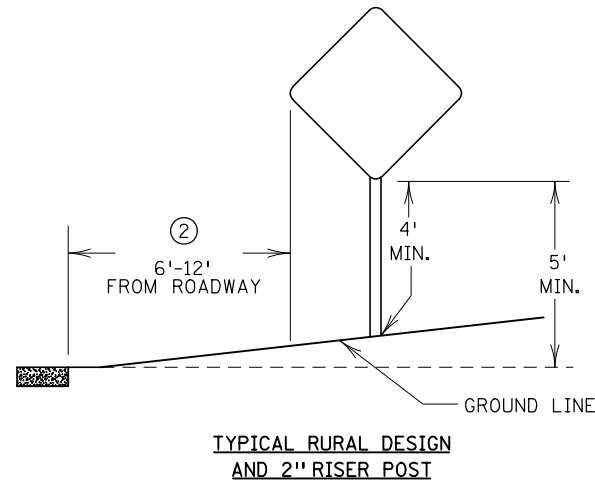
OF TC15 SHEETS

GENERAL NOTES:

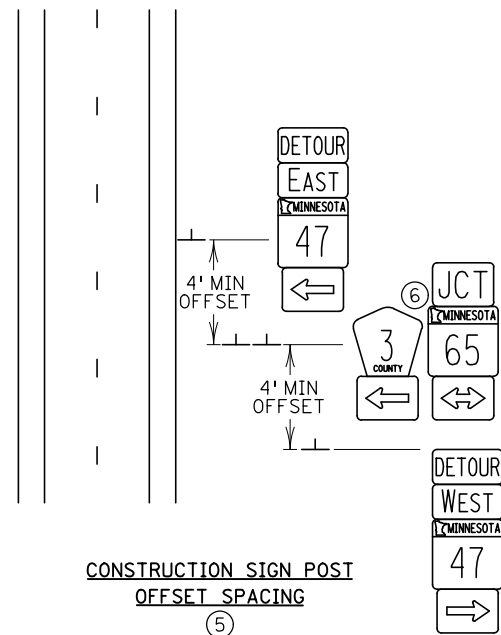
1. GROUND MOUNTED SQUARE TUBE SIGN STRUCTURES PLACED WITHIN 50' OF THE RADIUS END OF AN INTERSECTION SHALL BE PLACED ON ONE 2" OR 2-1/2" POST.
2. FOR 2" SQUARE TUBE RISER POST IN SOIL, USE FIN BASE PLACED PER MANUFACTURER'S SPECIFICATIONS. USE A 2" X 2" PRE-PUNCHED, GALVANIZED STEEL, SQUARE TUBE RISER POST. PLACE 3/8" STAINLESS STEEL BOLT THROUGH THE 5TH HOLE DOWN FROM THE TOP OF THE BASE. RISER POST SHALL REST ON THE BOLT.
3. FOR 2-1/2" SQUARE TUBE RISER POST IN SOIL, USE SLIP BASE PLACED PER MANUFACTURER'S SPECIFICATIONS USING A 10 GAUGE, 2-1/2" X 2-1/2" PRE-PUNCHED, GALVANIZED STEEL, SQUARE TUBE RISER POST WITH A 10 GAUGE 2-3/16" X 2-3/16" PRE-PUNCHED, GALVANIZED STEEL, SQUARE TUBE INTERNAL INSERT.

SPECIFIC NOTES:

- ① IF ANY PART OF A SIGN OR SIGN ASSEMBLY EXTENDS MORE THAN 4" INTO THE PEDESTRIAN FACILITY, THE MINIMUM HEIGHT TO BOTTOM OF THE SIGN OR SIGN ASSEMBLY SHALL BE 7'.
- ② 6' - 12' FROM EDGE OF ROADWAY, MUST BE A MINIMUM OF 6' FROM EDGE OF PAVED SHOULDER (WHEN PRESENT).
- ③ IF GROUND MOUNTED TEMPORARY SIGN OR SIGN ASSEMBLY IS PLACED ON 2-1/2" SQUARE TUBE RISER POST(S), THE MINIMUM CLEARANCE FROM THE GROUND LINE TO THE BOTTOM OF THE LOWEST SIGN ON THE ASSEMBLY SHALL BE 7', OR AS SHOWN IN DETAIL, WHICHEVER IS GREATER.
- ④ 5' MINIMUM IN RURAL. 7' MINIMUM IN BUSINESS, COMMERCIAL, OR RESIDENTIAL AREAS.
- ⑤ WHEN MULTIPLE GROUND MOUNTED SIGN STRUCTURES ARE PLACED ADJACENT TO EACH OTHER THERE SHOULD BE NO MORE THAN 2 POSTS WITHIN 84" OF EACH OTHER. WHEN THIS SPACING CAN NOT BE MAINTAINED, THEN SIGN STRUCTURES SHALL BE OFFSET, AND STAGGERED WITH A MINIMUM OF 4' BETWEEN SIGN STRUCTURES BOTH Laterally AND LONGITUDINALLY. EXAMPLE SHOWS DETOUR SIGNAGE, BUT THIS REQUIREMENT APPLIES TO ALL SIGNAGE.
- ⑥ INPLACE AND/OR OTHER CONSTRUCTION SIGNING.



NOT TO SCALE



PUBLISHED BY OTE 03/15/2021

MODIFIED BY

TEMPORARY SQUARE TUBE GROUND MOUNTED SIGN PLACEMENT

DRAWN BY: DJP

CHECKED BY: BT

CERTIFIED BY

Mitchell Buttle
LICENSED PROFESSIONAL ENGINEER

LIC. NO.

46577

DATE 30-APR-2024

**TYPICALS**

STATE PROJ. NO. 1307-38

TRUNK HWY. (TH 95)

SHEET NO. TC15

OF TC15 SHEETS

PLOT NAME: ORD_PMTyps
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\Striping\ORD_PMTyps.dgn
PLOTTED/REVISED: 14-AUG-2024

NOTES & GUIDELINES

GENERAL INFORMATION:

1. SEE 2582 IN THE SPECIAL PROVISIONS FOR PAVEMENT MARKING SPOTTING RESPONSIBILITIES.
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 AN AGENCY PLACED YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE MAINLINE RADIUS.
3. DO NOT APPLY THE PAVEMENT MARKINGS WHEN WEATHER AND OTHER CONDITIONS CAUSE A FILM OF DUST OR DEBRIS TO BE DEPOSITED ON THE PAVEMENT SURFACE AFTER CLEANING AND BEFORE THE MARKING MATERIAL IS APPLIED.
4. 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.

PERMANENT PAVEMENT MARKING TABULATION			PM
TAB	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	INTERIM PAVEMENT MARKING	LUMP SUM	1
PM-B	4" DOUBLE SOLID LINE MULTI COMPONENT (WR)	LIN FT	534
PM-B	4" SOLID LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	512
PM-B	6" SOLID LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	5238
PM-B	4" BROKEN LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	110
PM-B	4" DOUBLE SOLID LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	5663
PM-B	6" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	902
PM-B	24" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	332
PM-A	PAVEMENT MESSAGE PREFORM THERMO GROUND IN ESR	SQ FT	124
	TERMINAL POST	EACH	1

PAVT MSSG PREF THERMO GR IN ESR			PM-A
MESSAGE	AREA		TOTAL QUANTITY
	SQ FT	EACH	SQ FT
RIGHT ARROW	15.5	4	62
LEFT ARROW	15.5	4	62
			124

PAVEMENT LINE MARKING				PM-B
ITEM DESCRIPTION	UNIT	YELLOW	WHITE	TOTAL QUANTITY
4" DOUBLE SOLID LINE MULTI COMPONENT (WR)	LIN FT	534		534
4" SOLID LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	512		512
6" SOLID LINE MULTI COMPONENT GROUND IN (WR)	LIN FT		5238	5238
4" BROKEN LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	110		110
4" DOUBLE SOLID LINE MULTI COMPONENT GROUND IN (WR)	LIN FT	5663		5663
6" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT		902	902
24" SOLID LINE PREFORM TAPE GROUND IN (WR)	LIN FT	332		332

PERMANENT PAVEMENT MARKING PLAN INDEX

- PM1 PERMANENT PAVEMENT MARKING AND TABULATION SHEET
- PM2-PM4 PERMANANT PAVEMENT MARKING DETAILS
- PM5 TYPICALS

SYMBOLS & MATERIALS LEGEND

BROKEN LINE-50' CYCLE (10' LINE, 40' GAP)

DOTTED LINE-15' CYCLE (3' LINE, 12' GAP),
UNLESS SHOWN OTHERWISE IN THE PLAN

PAVEMENT MESSAGE (RIGHT ARROW)

PAVEMENT MESSAGE (LEFT ARROW)

STRIPING KEY

CIRCLE-MULTI COMP

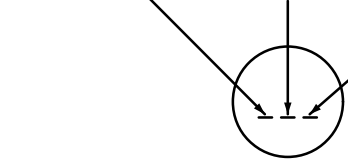
BOX-PREF TAPE

OCTAGON-PREF THERMO

1ST DIGIT
WIDTH
4", 8", ETC.

2ND DIGIT
PATTERN
S - SOLID
B - BROKEN
T - DOTTED
D - DOUBLE SOLID
K - DOUBLE BROKEN
H - DOUBLE DOTTED

3RD DIGIT
COLOR
W - WHITE
Y - YELLOW
B - BLACK



G=GROUND IN
C=CONTRAST

W=WET REFLECTIVE
E=ENHANCED SKID RESISTANCE

EXAMPLE:  = 4" SOLID LINE WHITE PREF THERMO GROUND IN, CONTRAST, WET REFLECTIVE

I HEREBY CERTIFY THAT SHEETS PM1_ THROUGH PM5_ OF THIS PLAN WERE 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: MITCHELL BARTELT LICENSE * 46577

DATE:14-AUG-2024 SIGNATURE: 

DESIGNER GREG STRAND

LAST REVISED
OCT/24/2022



PERMANENT PAVEMENT MARKING AND TABULATION SHEET

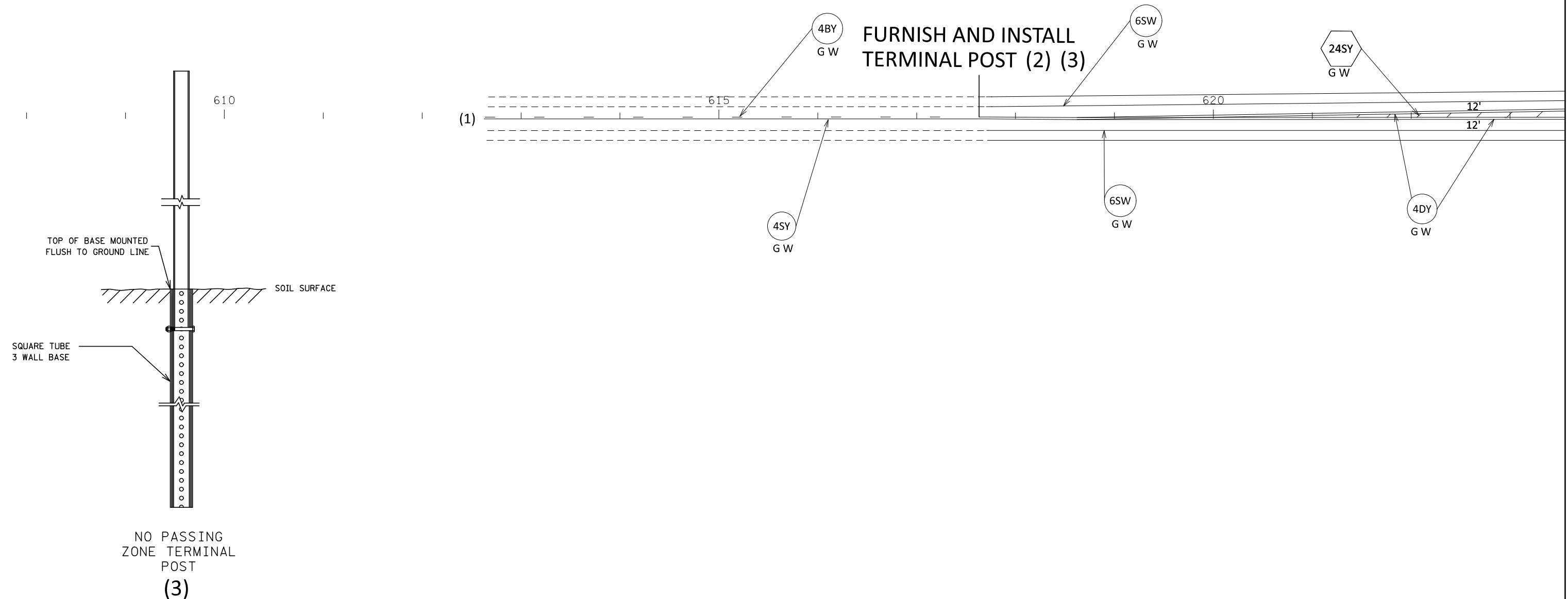
STATE PROJ. 1307-38
TRUNK HWY. (95)

SHEET NO. PM1
OF PM5 SHEETS

(1) MATCH INTO INPLACE STRIPING

(2) PLACE POST AT THE END OF THE NO PASSING ZONE.

(3) REFER TO SPECIAL PROVISION 2564 "TERMINAL POST" FOR FURTHER DETAILS RELATING TO INSTALLATION, PLACEMENT, AND DEVICE STANDARDS.



PLOT NAME: 1307-038pm
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\Striping\1307-038pm.dgn

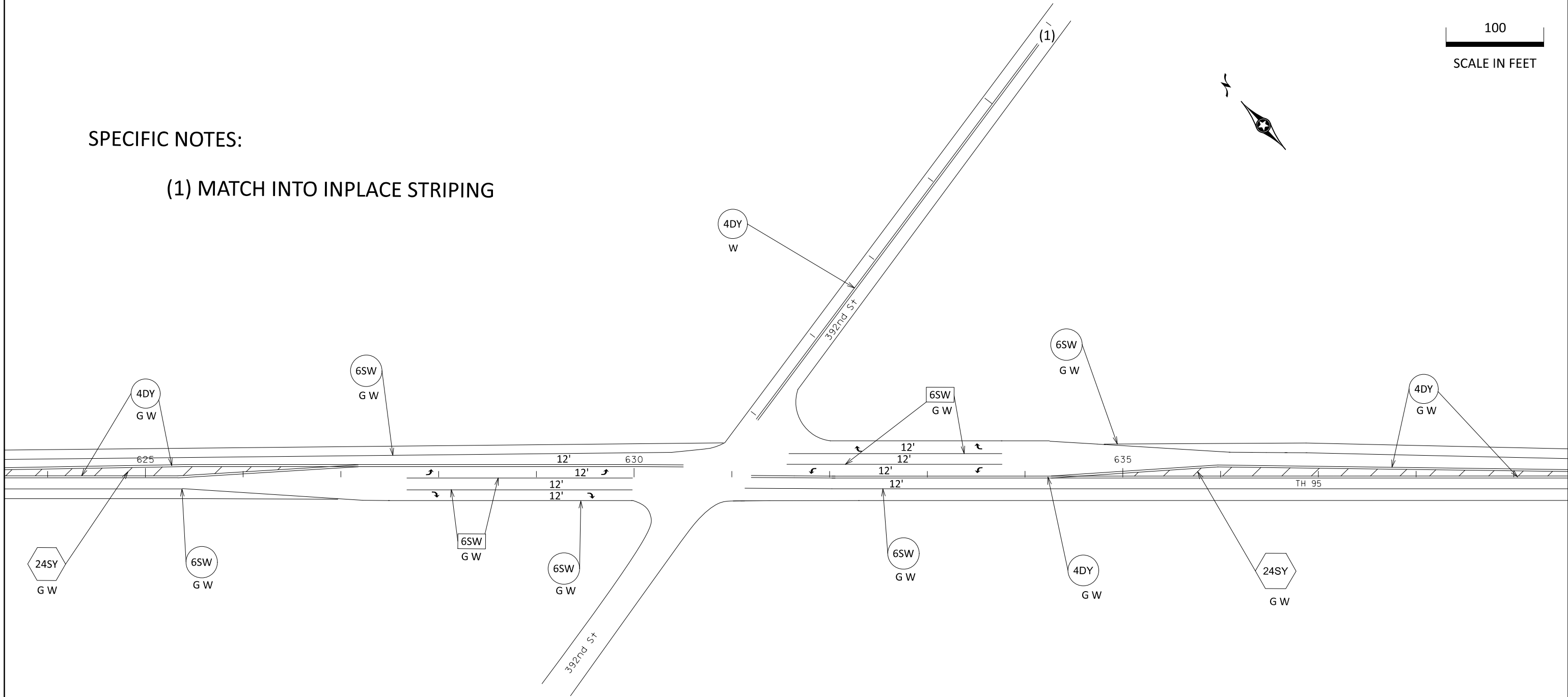
PLOT NAME: 1307-038pm

PLOT NAME: 1307-038pm
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\Striping\1307-038pm.dgn

SPECIFIC NOTES:

(1) MATCH INTO INPLACE STRIPING

100
SCALE IN FEET



DRAWN BY: G S	CERTIFIED BY <u><i>Mitchell Buttle</i></u> LIC. NO. 46577 DATE 13-AUG-2024		PERMANENT PAVEMENT MARKING DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. PM 3
CHECKED BY: B T				TRUNK HWY. (TH 95)	OF PM5 SHEETS

13-AUG-2024

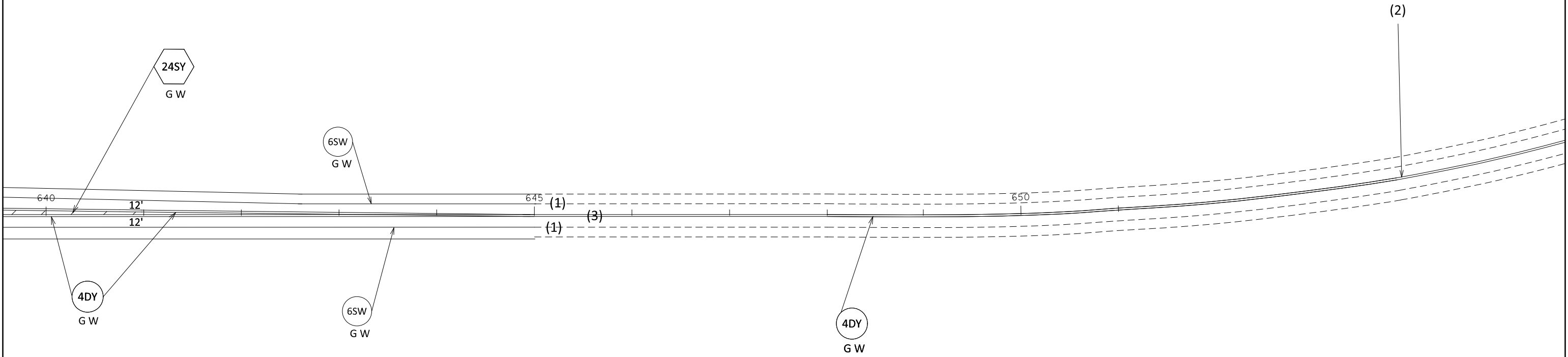
PLOTTED/REVISED:

PLOT NAME: 1307-038pm
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\Striping\1307-038pm.dgn

100
SCALE IN FEET

SPECIFIC NOTES:

- (1) MATCH INTO INPLACE STRIPING
- (2) MATCH INTO INPLACE DOUBLE SOLID YELLOW STRIPING
- (3) EXTEND PAST CONSTRUCTION LIMITS TO MEET NO PASSING ZONE REQUIREMENTS



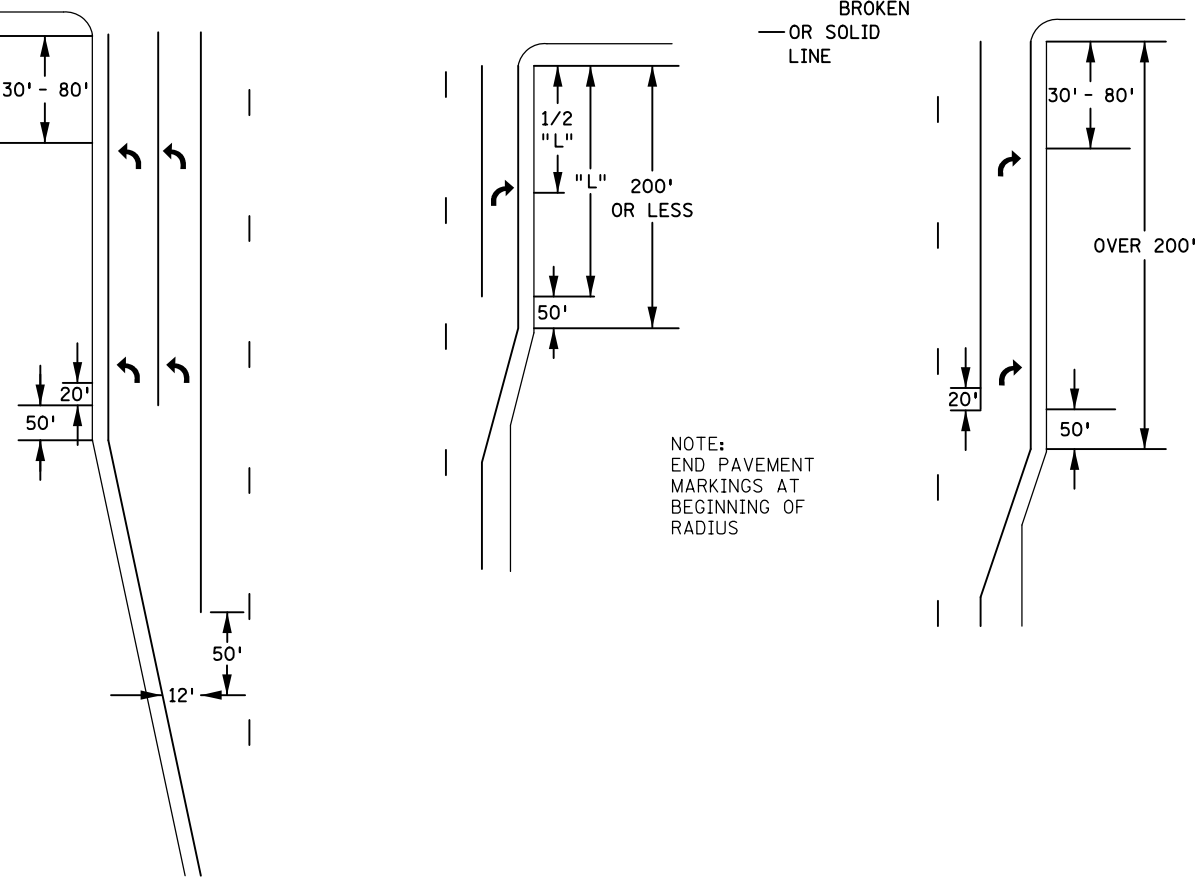
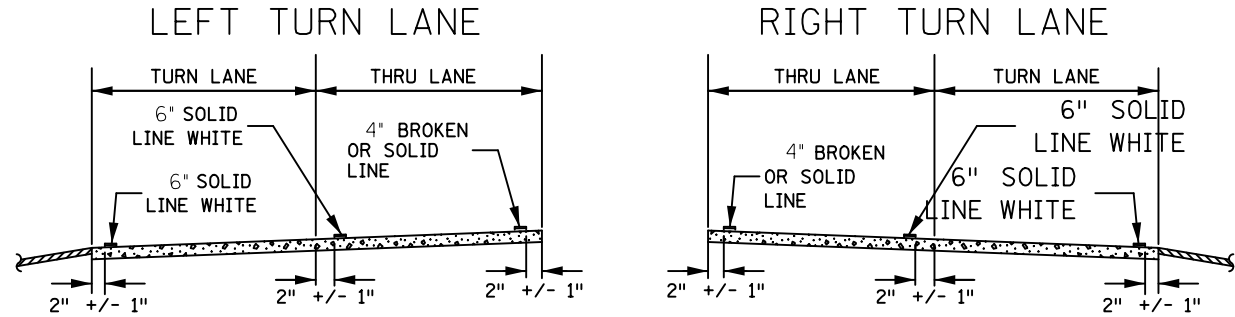
DRAWN BY: G S	CERTIFIED BY <u><i>Mitchell Butte</i></u> LIC. NO. <u>46577</u> DATE <u>13-AUG-2024</u>		PERMANENT PAVEMENT MARKING DETAILS	STATE PROJ. NO. 1307-38	SHEET NO. PM 4
CHECKED BY: B T				TRUNK HWY. (TH 95)	OF PM5 SHEETS

13-AUG-2024

PLOTTED/REVISED:

PLOT NAME: ORD_PMTyps
PATH & FILENAME: Projects\DM_ROS\095\1307\038\Traffic\Striping\ORD_PMTyps.dgn

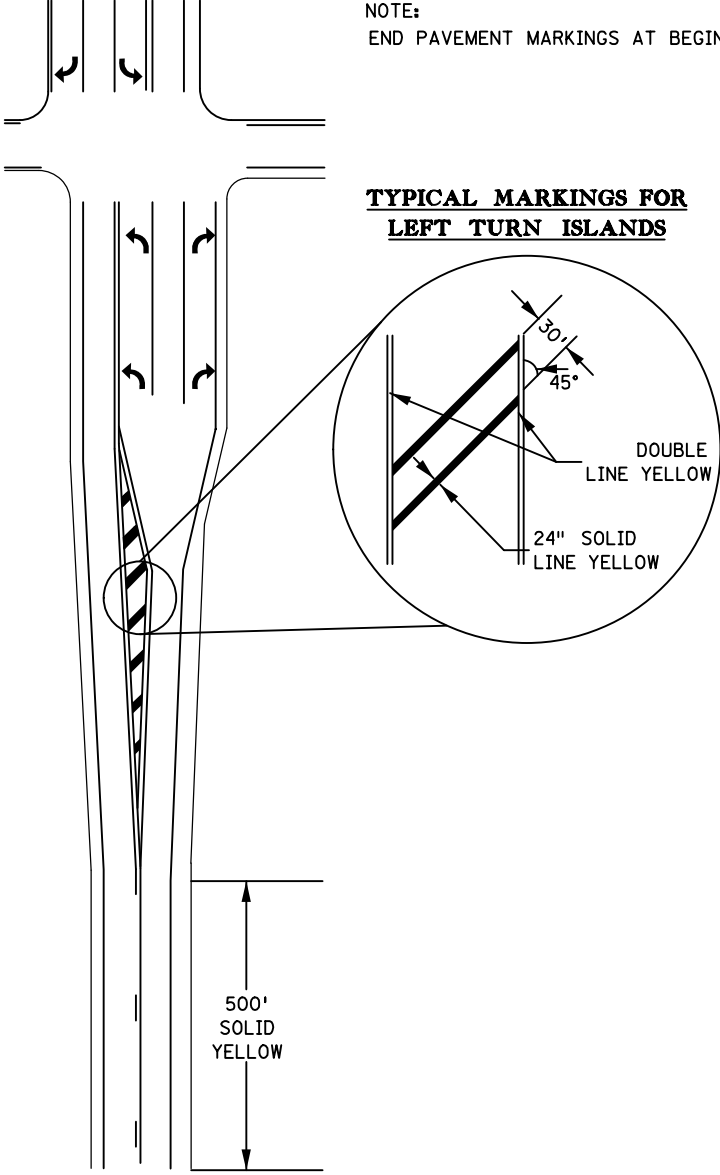
TURN LANE WITH ARROW MESSAGE



PUBLISHED BY OTE: 16 NOV 2021
MODIFIED:

LEFT TURN LANE ISLAND

NOTE:
END PAVEMENT MARKINGS AT BEGINNING OF RADIUS



TYPICAL MARKINGS FOR
LEFT TURN ISLANDS

PUBLISHED BY OTE: 16 NOV 2021
MODIFIED:

DRAWN BY: CS

CHECKED BY: BT

CERTIFIED BY

Mitchell Butte
LICENSED PROFESSIONAL ENGINEER

LIC. NO.

46577

DATE

13-AUG-2024



TYPICALS

STATE PROJ. NO. 1307-38

TRUNK HWY. (TH 95)

SHEET NO. PM 5

OF PM 5 SHEETS

I:\PLOT NAME: 1307-38_seq_detail
PATH & FILENAME: Projects\DM_R05095\1307\036\Traffic\Lighting\1307-38_seq_detail.dgn

PLOTTED/REVISED: 24-APR-2024

THE FOLLOWING STANDARD PLATES APPROVED BY THE
MINNESOTA DEPT. OF TRANSPORTATION AND THE FEDERAL
HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.

STANDARD PLATES	
PLATE NO.	DESCRIPTION
8106D	EQUIPMENT PAD B
8127E	LIGHT FOUNDATION - DESIGN E PRECAST 40' POLE OR LESS
8129A	SHIM AND WASHER

SL	LIGHTING TABULATION	
ITEM	UNIT	SP 1307-38
		ESTIMATED QUANTITIES
LIGHTING SYSTEM	LUMP SUM	1

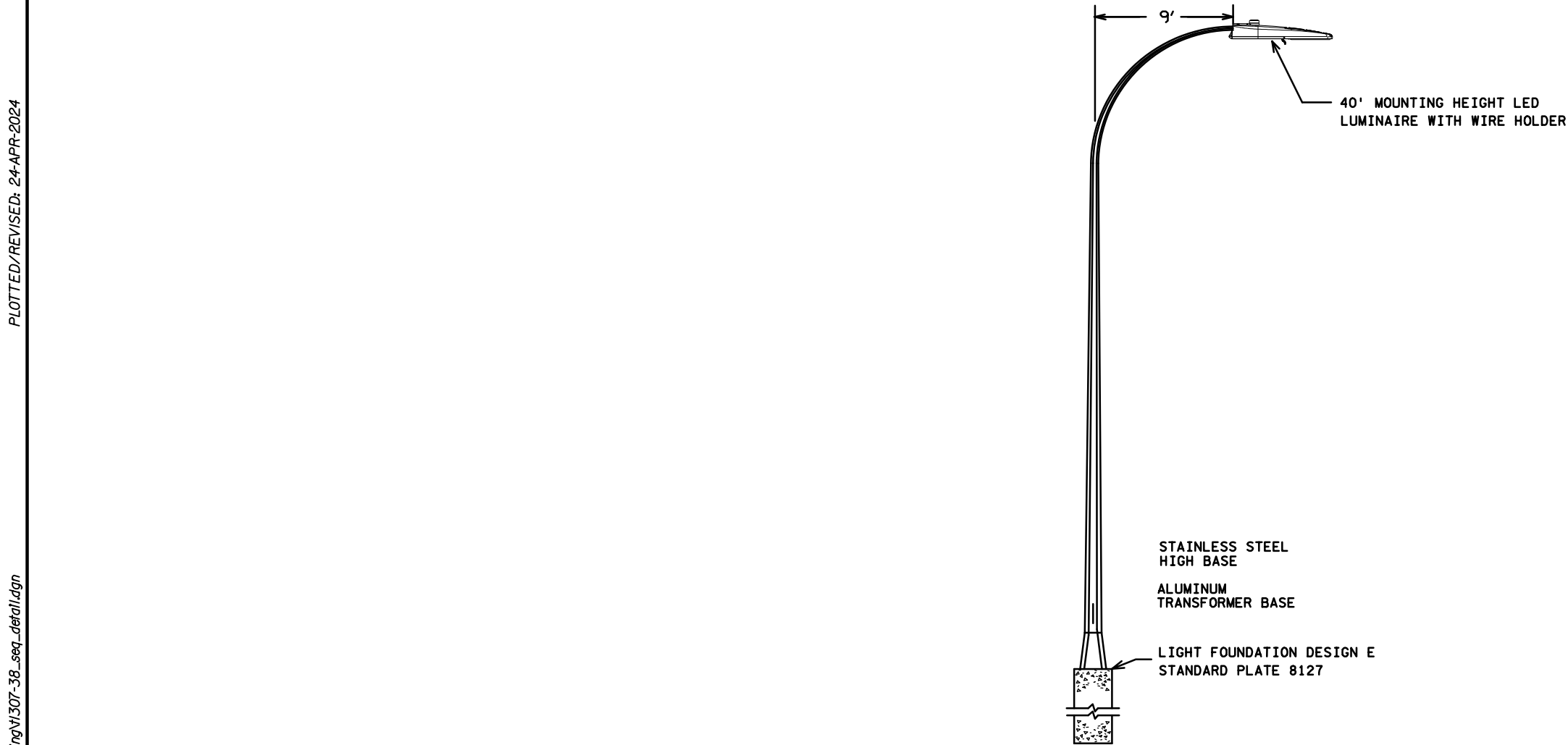
BY	DATE	REVISIONS
DRAWN BY: PB		CKD BY: SJK

I HEREBY CERTIFY THAT SHEETS SL1 TO SL3
HAVE BEEN PREPARED BY ME OR UNDER MY
DIRECT SUPERVISION AND I AM A DULY
LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MINNESOTA.

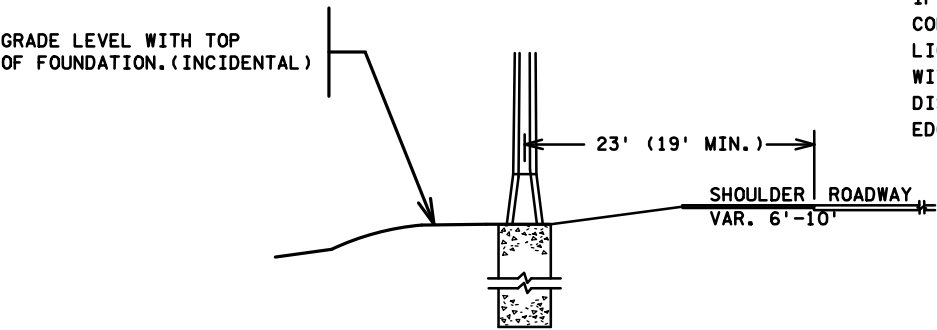

GREGORY KERN
DATE 24-APR-2024 LIC. NO 26829

LIGHTING QUANTITIES	
STATE PROJ.NO. 1307-38 (T.H.95)	SHEET NO.SL1 OF SL3 SHEETS

I/PLOT NAME: t1307-38_seq_detail
PATH & FILENAME: Projects\DM_R05\095\1307\038\Traffic\Lighting\1307-38_seq_detail.dgn



LIGHTING UNIT TYPE 9-40
(BREAKAWAY)



USE THE MAXIMUM DISTANCE WHENEVER POSSIBLE,
IF THE MINIMUM DISTANCE CANNOT BE OBTAINED
CONTACT THE DISTRICT TRAFFIC ENGINEER.
LIGHT FOUNDATIONS SHALL BE PLACED IN ACCORDANCE
WITH 2545.3F2.
DISTANCES SHALL BE MEASURED FROM THE
EDGE OF DRIVING LANE OR TURN LANE.

PLACEMENT LIGHTING UNIT TYPE 9-40

BY	DATE	REVISIONS

CERTIFIED BY

Gregory Ken
LICENSED PROFESSIONAL ENGINEER

LIC. NO. 26829

DATE: 24-APR-2024

LIGHTING DETAILS

STATE PROJ.NO.1307-38 (T.H. 95) SHEET NO. SL2 OF SL3 SHEETS

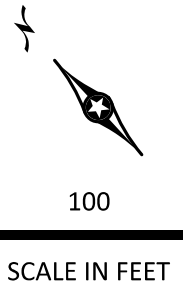
PLOTTED/REVISED: 24-APR-2024

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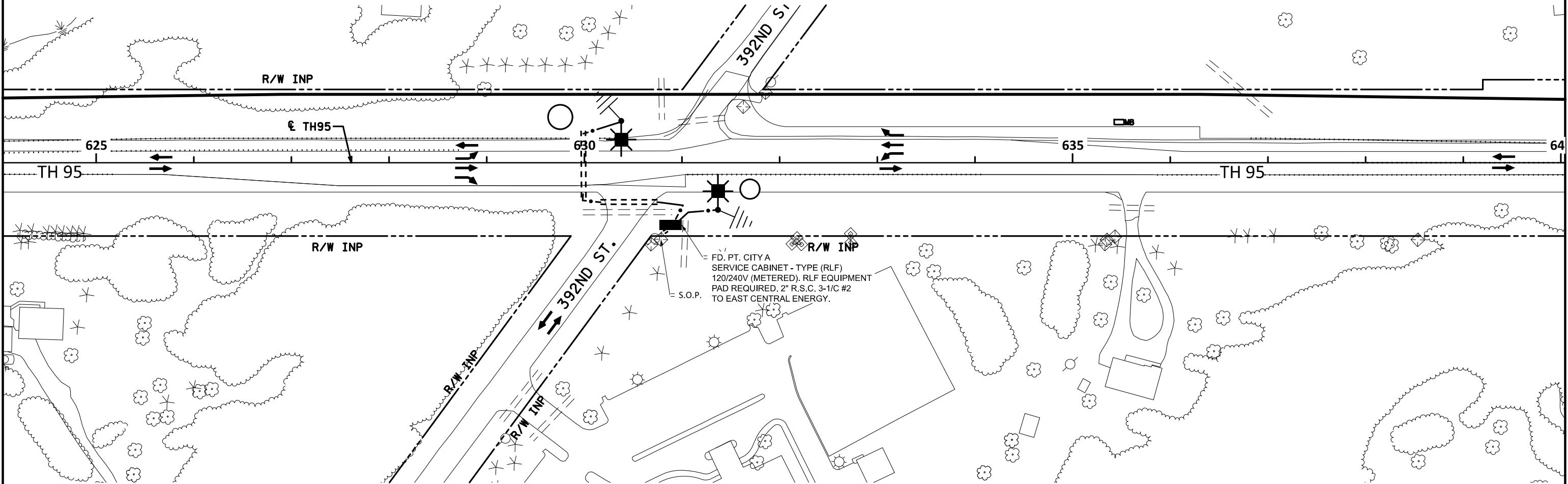
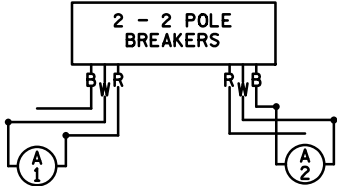
LEGEND

- LIGHTING UNIT
- SERVICE CABINET
- DIRECT BURIED LIGHTING CABLE 4/C 4 AWG
- PERMANENT GROUND ROD (25 OHMS OR LESS)
- 3" NMC DIRECTIONAL BORED (UNLESS NOTED OTHERWISE)
- LIGHTING UNIT IDENTIFIER

FEEDPOINT CITY A LIGHTING UNIT LOCATION AND TYPE					
NO.	X	Y	LOCATION	TYPE	FOUNDATION
1	516251.66	179905.82	INPLACE	9-40	DESIGN E
2	516251.77	179791.06	TH62EBA	9-40	DESIGN E



W DENOTES NEUTRAL CONDUCTOR
B AND R DENOTE CURRENT CARRYING CONDUCTORS
FD. PT. A
120/240 VOLT



BY	DATE	REVISIONS	FEEDPOINT: CITY FD PT A	LOCATION: 392ND ST	LIGHTING PLAN	
			METER ADDRESS: 4399 ST CROIX TRL N, NORTH BRANCH 55056			
			CERTIFIED BY <i>Gregory Kern</i>	LIC. NO. 26829	DATE: 24-APR-2024	STATE PROJ.NO.1307-38 (T.H.95)
						SHEET NO. SL3 OF SL3 SHEETS
			DRAWN BY:PB	CKD BY:SJK		

5/20/2024
PLOTTED/REVISED: SP 1307-38 DETAILS.dgn

DISTRICT #: METRO
PLOT NAME: SP 1307-38 DETAILS
PATH & FILENAME: pw:/pw81.ad.dot.state.mn.us:cadp/Documents/Projects/DM_ROS/095/1307/038/Traffic/Signing/SP 1307-38 DETAILS.dgn

PERMANENT SIGNING SUMMARY					ST
TAB	SHEET NO	ITEM NO	ITEM	UNIT	TOTAL SIGNING QUANTITIES
ST-A	ST2	2104	REMOVE DELINEATOR / MARKER	EACH	2
ST-A	ST2	2104	REMOVE SIGN	EACH	4
ST-A	ST2	2104	SALVAGE SIGN	EACH	9
ST-A	ST2	2104	SALVAGE SIGN TYPE SPECIAL	EACH	1
ST-A	ST2	2564	INSTALL SIGN	EACH	9
ST-A	ST2	2564	INSTALL SIGN TYPE SPECIAL	EACH	1
ST-A	ST2	2564	DELINEATOR/MARKER	EACH	2
ST-A	ST2	2564	DELINEATOR/MARKER PANEL	EACH	2
ST-A	ST2	2564	SIGN	SQ FT	111

STANDARD PLANS	
5-297.701	STANDARD SIGN PLACEMENT
5-297.702	DELINEATOR AND MARKER PLACEMENT
5-297.718	SQUARE TUBE SIGN MOUNTING DETAIL
5-297.720	SQUARE TUBE NO PASSING ZONE SIGN MOUNTING DETAIL
5-297.721	THREE WALL BASE - FOR 1-3/4" SQUARE TUBE RISER POST
5-297.722	SQUARE TUBE FIN BASE DETAIL
5-297.724	SQUARE TUBE SLIP BASE DETAIL

- GENERAL INFORMATION:
- MOUNTING HEIGHT IS MINIMUM (WITH A + 6 INCH TOLERANCE)
 - SEE MNDOT STANDARD SIGNS AND MARKINGS MANUAL FOR STANDARD SIGN DESIGNS, SPLICE PLATES, STRINGERS AND PUNCHING CODES.
 - SEE PANEL LAYOUTS FOR SIGNS WITH THE CODE 'DESIGN'.
 - SEE STANDARD PLANS AND DETAILS FOR SIGN STRUCTURE INSTALLATION AND PLACEMENT.
 - STANDARD SIGN PANELS ARE LISTED IN THE TABULATIONS WITH TWO DIMENSIONS THAT MAY NOT BE THEIR ACTUAL WIDTH OR HEIGHT, BUT INSTEAD ARE LENGTHS OF THEIR SIDES OR DIAMETER. SEE THE MNDOT STANDARD SIGNS AND MARKINGS MANUAL FOR ACTUAL DIMENSIONS OF THESE PANELS BASED UPON THE CORRESPONDING DIMENSIONS FROM THE TABULATIONS.
 - SIGNS AND DELINEATOR/MARKER TABULATIONS DISPLAY SIGN PANEL AND SUPPORT INFORMATION FOR PROPOSED SIGNS. SIGNS BEING REMOVED OR SALVAGED MAY NOT INCLUDE PANEL OR SUPPORT INFORMATION IN THE TABULATION.
 - PLACE SIGNS AFTER FINAL GRADING IS COMPLETE.
 - PLACE NEW REFERENCE LOCATION SIGNS AT THE SAME LOCATION OF THE EXISTING REFERENCE LOCATION SIGNS BEING REPLACED. IF LOCATION SIGNS CAN NO LONGER BE USED CONTACT MNDOT OFFICE OF TRANSPORTATION SYSTEM MANAGEMENT FOR GUIDANCE ON PLACEMENT.

BY: DATE:	REVISIONS



SIGNING PLAN INDEX

SHEET NO.	DESCRIPTION
ST1	TITLE SHEET
ST2	TABULATIONS
ST3-ST5	DETAILS
ST6	PANEL LAYOUTS

ABBREVIATIONS

SQ-SOIL SQUARE TUBE IN SOIL

SIGNING LEGEND

⊥ SIGN
⊥⊥ SIGN BACK TO BACK

I HEREBY CERTIFY THAT SHEETS ST1-ST6 WERE 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: ERIC PETERSON LICENSE # 51704

DATE:5/20/2024 SIGNATURE:Eric Peterson
DESIGN SQUAD RYAN VOLTZ, HAILE WERKE

Digitally signed by Eric Peterson
Date: 2024.05.20 17:47:41 -05'00'

TITLE SHEET
SIGNING

DISTRICT #: METRO

PLOT NAME: SP 1307-38 DETAILS

PATH & FILENAME: pw://pw81.ad.dot.state.mn.us:cadp/Projects/DM ROS/095/1307/038/Traffic/Signing/SP 1307-38 DETAILS.dgn

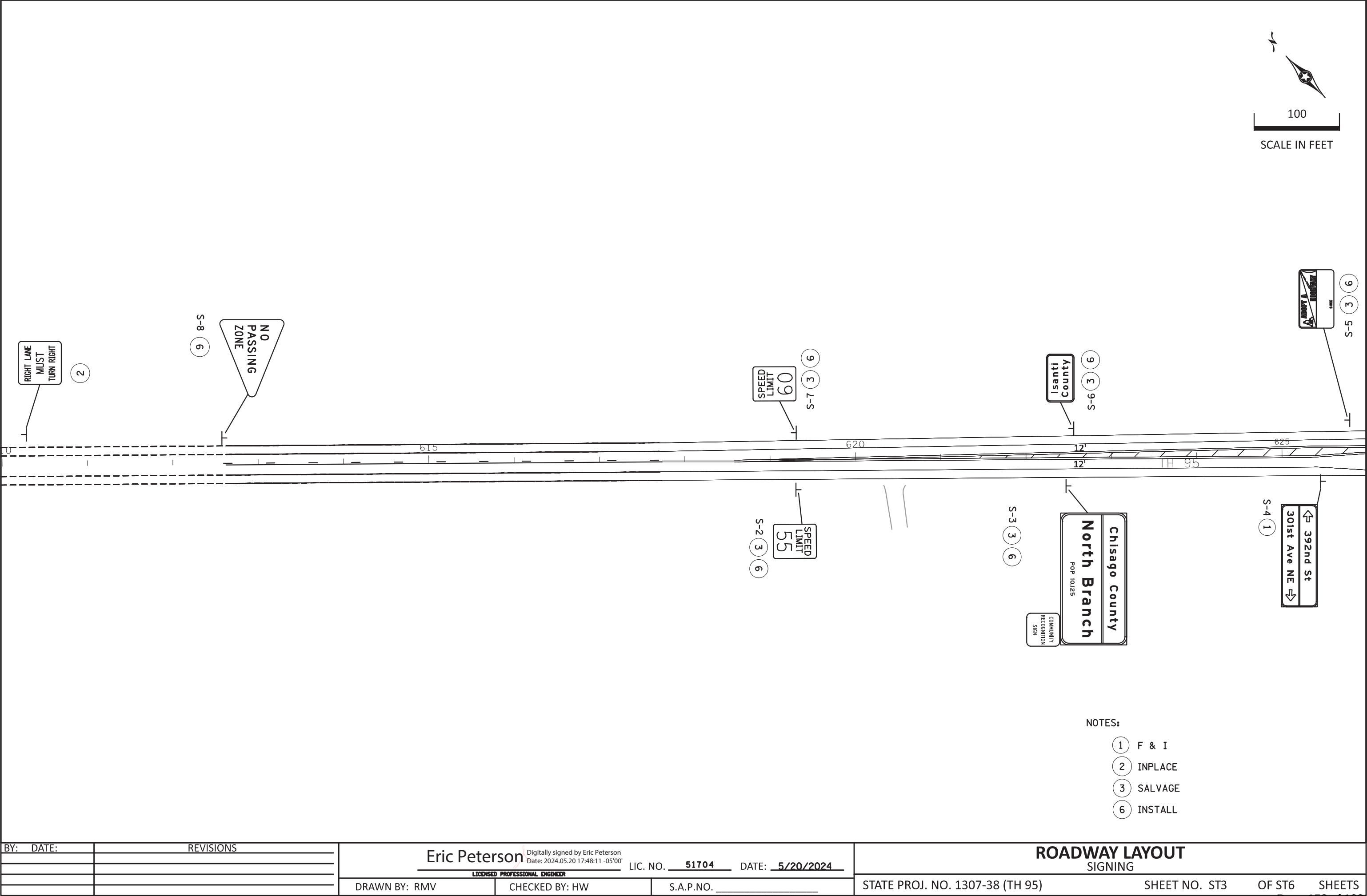
7/25/2024

PLOTTED/REVISED:

SIGN AND DELINEATOR / MARKER																ST-A
SIGN NUMBER	PANEL				SUPPORT			REMOVE SIGN	SIGN	SALVAG E SIGN	INSTALL SIGN	SALVAGE SIGN SPECIAL	INSTALL SIGN SPECIAL	REMOVE DELINEATOR /MARKER	DELINEATOR /MARKER	DELINEAT OR /MARKER PANEL EACH
	PANEL CODE	LEGEND	SIZE (W x H)	MOUNTIN G HEIGHT	TYPE	RISER POST SIZE	NUMBER OF POSTS									
			INCHES	FEET		INCHES										
S-1		NOT USED	x													
S-2	R2-1	SPEED LIMIT 55	24 x 30	7	SQ-SOIL	2	1			1	1					
S-3		CHISAGO COUNTY NORTH BRANCH POP	96 x 48	7	SQ-SOIL	2 1/2	2			1	1					
		COMMUNITY RECOGNITION SIGN	18 x 18													
S-4	DESIGN	392ND ST LT ARROW 301ST AVE NE RT ARRO	120 x 42	7	SQ-SOIL	2 1/2	2		35.00							
S-5	D14-X1	ADOPT A HIGHWAY	60 x 36	7	SQ-SOIL	2 1/2	1			1	1					
S-6	I2-X3	ISANTI COUNTY	42 x 24	7	SQ-SOIL	2	1			1	1					
S-7	R2-1	SPEED LIMIT 60	24 x 30	7	SQ-SOIL	2	1			1	1					
S-8	W14-3	NO PASSING ZONE	64 x 48	7	SQ-SOIL	2 1/2	1			1	1					
S-9	R3-8ACA	L-T-R	54 x 30	7	SQ-SOIL	2 1/2	1	1	11.25							
S-10	D10-2	MILE 53	10 x 27	4	SQ-SOIL	1 3/4	1			1	1					
	D10-2	MILE 53	10 x 27													
S-11		392ND ST	24 x 6	7	SQ-SOIL	2	1					1	1			
		301ST AVE NE	24 x 6													
		ST CROIX TR	24 x 6													
S-12	X4-3	CYLINDER STYLE DELINEATOR (WHITE)	6 x 9	4	SQ-SOIL	1 3/4	1							1	1	
S-13	R1-1	STOP	36 x 36	7	SQ-SOIL	2 1/2	1	1	9.00							
	X4-3	CYLINDER STYLE DELINEATOR (WHITE)	6 x 9	4											1	
S-14	D14-X1	ADOPT A HIGHWAY	60 x 36	7	SQ-SOIL	2 1/2	1			1	1					
S-15	DESIGN	301ST AVE NE LT ARROW 392ND ST RT ARRO	120 x 42	7	SQ-SOIL	2 1/2	2		35.00							
S-16	R3-8ACA	L-T-R	54 x 30	7	SQ-SOIL	2 1/2	1	1	11.25							
S-17	X4-3	CYLINDER STYLE DELINEATOR (WHITE)	6 x 9	4	SQ-SOIL	1 3/4	1							1	1	
S-18	R1-1	STOP	36 x 36	7	SQ-SOIL	2 1/2	1	1	9.00							
	X4-3	CYLINDER STYLE DELINEATOR (WHITE)	6 x 9	4											1	
S-19	R2-1	SPEED LIMIT 55	24 x 30	7	SQ-SOIL	2	1			1	1					
TOTAL								4	111	9	9	1	1	2	2	2

SPECIFIC NOTE(S):
(1) MOUNT BACK TO BACK.

BY: DATE:	REVISIONS	Eric Peterson				TABULATIONS			
		Digitally signed by Eric Peterson				SIGNING			
		LIC. NO. 51704 DATE: 7/25/2024							
		DRAWN BY: RMV				STATE PROJ. NO. 1307-38 (TH 95)			
		CHECKED BY: HW				SHEET NO. ST2			
		S.A.P.NO.				OF ST6 SHEETS			



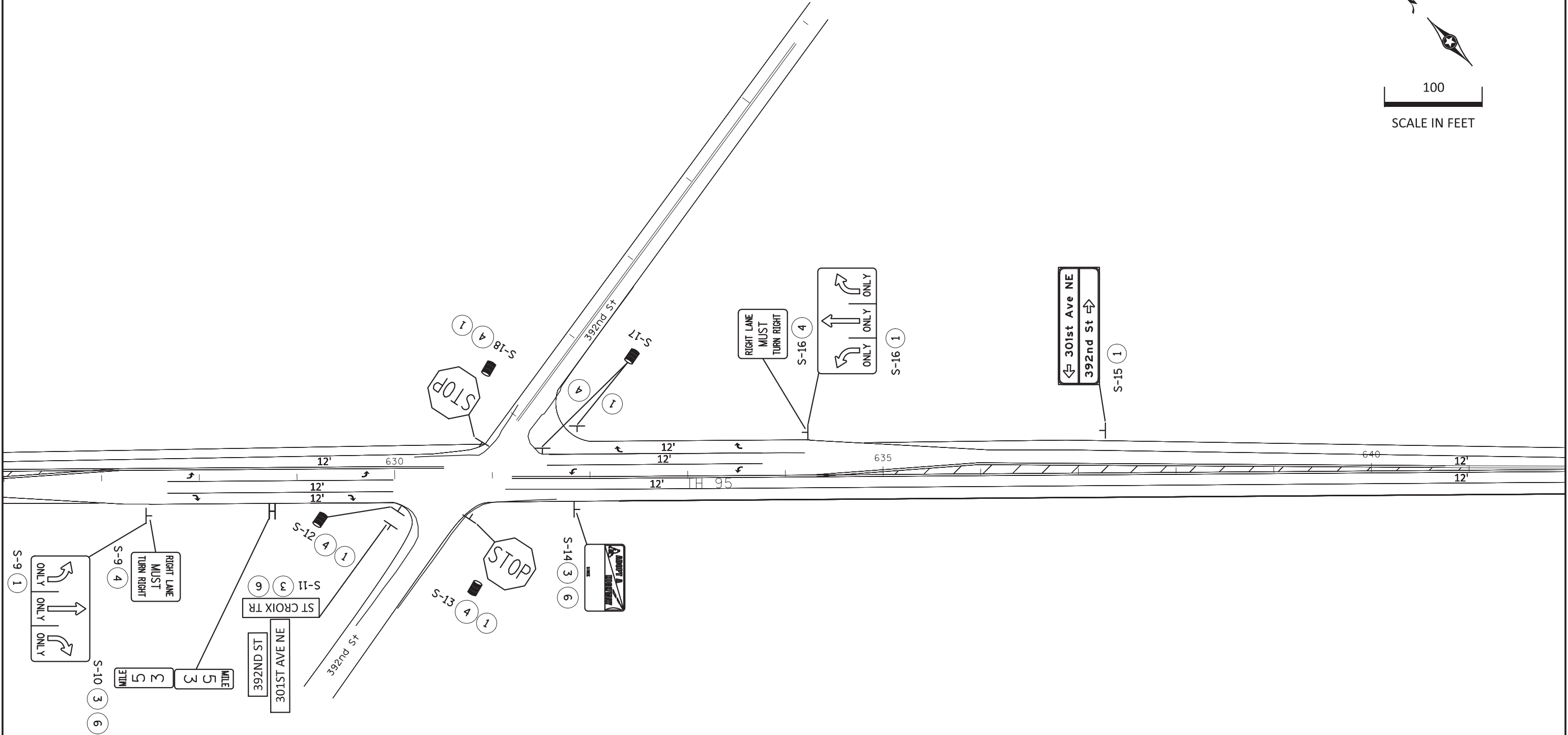
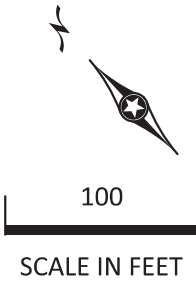
BY: DATE:	REVISIONS	Eric Peterson Digitally signed by Eric Peterson Date: 2024.05.20 17:48:11 -05'00'	LIC. NO. 51704	DATE: 5/20/2024	ROADWAY LAYOUT SIGNING
		LICENSED PROFESSIONAL ENGINEER			
		DRAWN BY: RMV	CHECKED BY: HW	S.A.P.NO.	STATE PROJ. NO. 1307-38 (TH 95)
					SHEET NO. ST3 OF ST6 SHEETS

METRO

PLOT NAME: SP 1307-038_ps1

PATH & FILENAME: pw://pw81.ad.dot.state.mn.us:cadp/ Documents/Projects/DM ROS/095/1307/038/Traffic/Signing/SP 1307-038_ps1

PLOTTED/REVISED: 5/20/2024



NOTES:

- 1 F & I
- 3 SALVAGE
- 4 REMOVE
- 6 INSTALL

BY: DATE:	REVISIONS	Eric Peterson Digitally signed by Eric Peterson Date: 2024.05.20 17:48:21 -05'00' LIC. NO. 51704 DATE: 5/20/2024		ROADWAY LAYOUT SIGNING	
		DRAWN BY: RMV		STATE PROJ. NO. 1307-38 (TH 95)	
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		S.A.P.NO.		OF ST6 SHEETS	

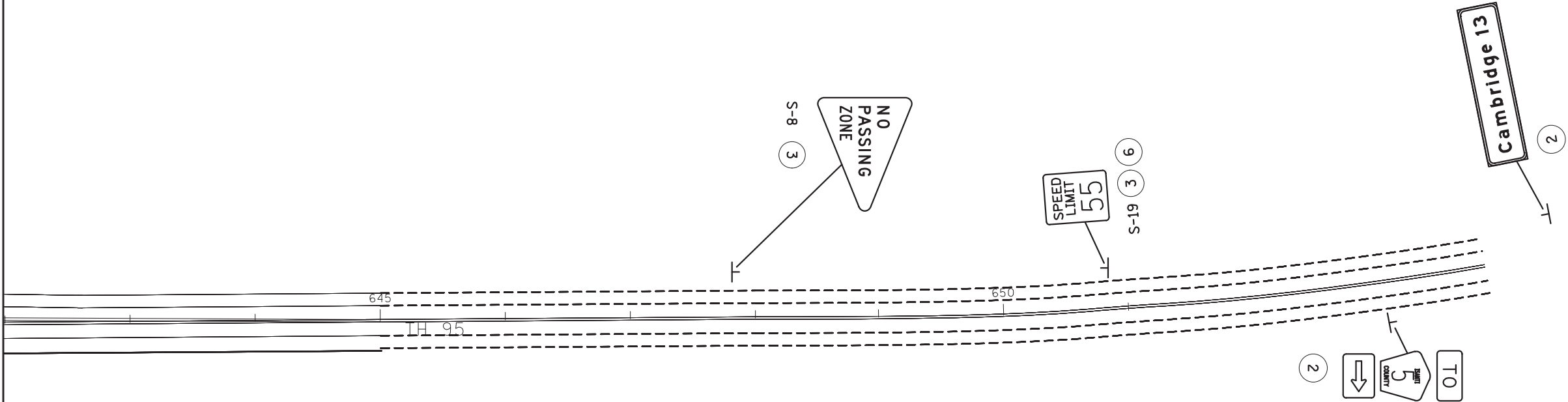
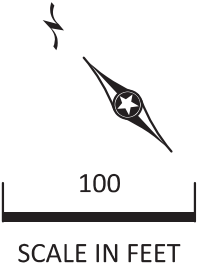
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PLOT NAME: SP 1307-038_ps1

5/20/2024

PLOTTED/REVISED:

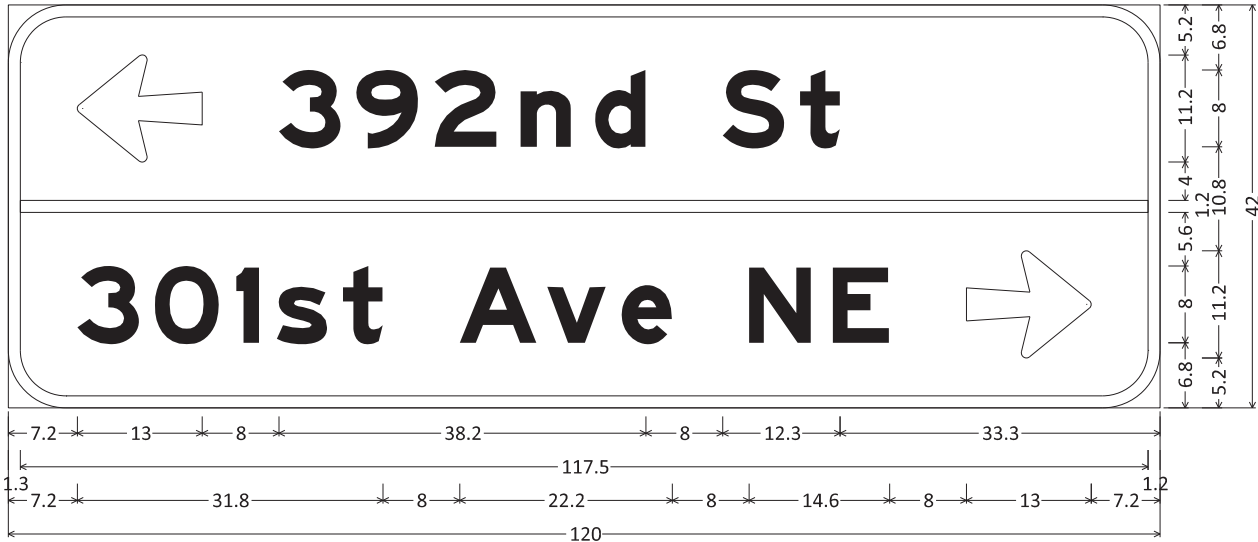
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- NOTES:
- 2 INPLACE
 - 3 SALVAGE
 - 6 INSTALL

BY: DATE:	REVISIONS	Eric Peterson Digitally signed by Eric Peterson Date: 2024.05.20 17:48:31 -05'00' LICENSED PROFESSIONAL ENGINEER	LIC. NO. 51704 DATE: 5/20/2024	ROADWAY LAYOUT SIGNING		
		DRAWN BY: RMV	CHECKED BY: HW	S.A.P.NO.	STATE PROJ. NO. 1307-38 (TH 95)	SHEET NO. ST5
					OF ST6	SHEETS

S-4



392ND ST LT ARROW 301ST AVE NE RT ARROW ;
6.0" Radius, 1.3" Border, White on Green;
Arrow 5 - 13.0" 180°; "392nd St", E Mod 2K; "301st Ave NE", E Mod 2K; Arrow 5 - 13.0" 0°;

S-15



301ST AVE NE LT ARROW 392ND ST RT ARROW;
6.0" Radius, 1.3" Border, White on Green;
Arrow 5 - 13.0" 180°; "301st Ave NE", E Mod 2K; "392nd St", E Mod 2K; Arrow 5 - 13.0" 0°;

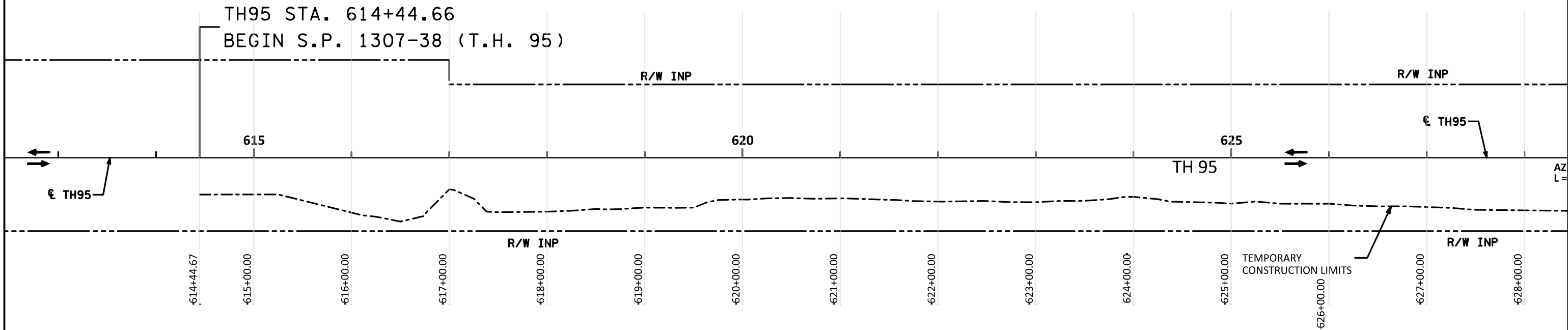
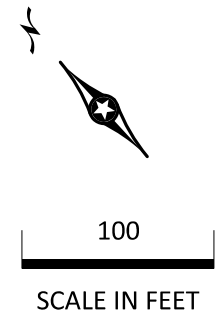
- NOTES:
- 1. ALL DIMENSIONS ARE IN INCHES.
 - 2. SEE MNDOT STANDARD SIGNS AND MARKING MANUAL FOR ARROW, FRACTION, OVERLAY AND ROUTE MARKER DETAILS.
 - 3. DO NOT TRIM CORNERS ON SIGN PANEL OVERLAYS.

BY: DATE:	REVISIONS	Eric Peterson Digitally signed by Eric Peterson Date: 2024.05.20 17:48:41 -05'00' LICENSED PROFESSIONAL ENGINEER	LIC. NO. 51704	DATE: 5/20/2024	PANEL LAYOUTS SIGNING		
		DRAWN BY: RMV	CHECKED BY: HW	S.A.P.NO.	STATE PROJ. NO. 1307-38 (TH 95)	SHEET NO. ST6	OF ST6 SHEETS

15-MAY-2024

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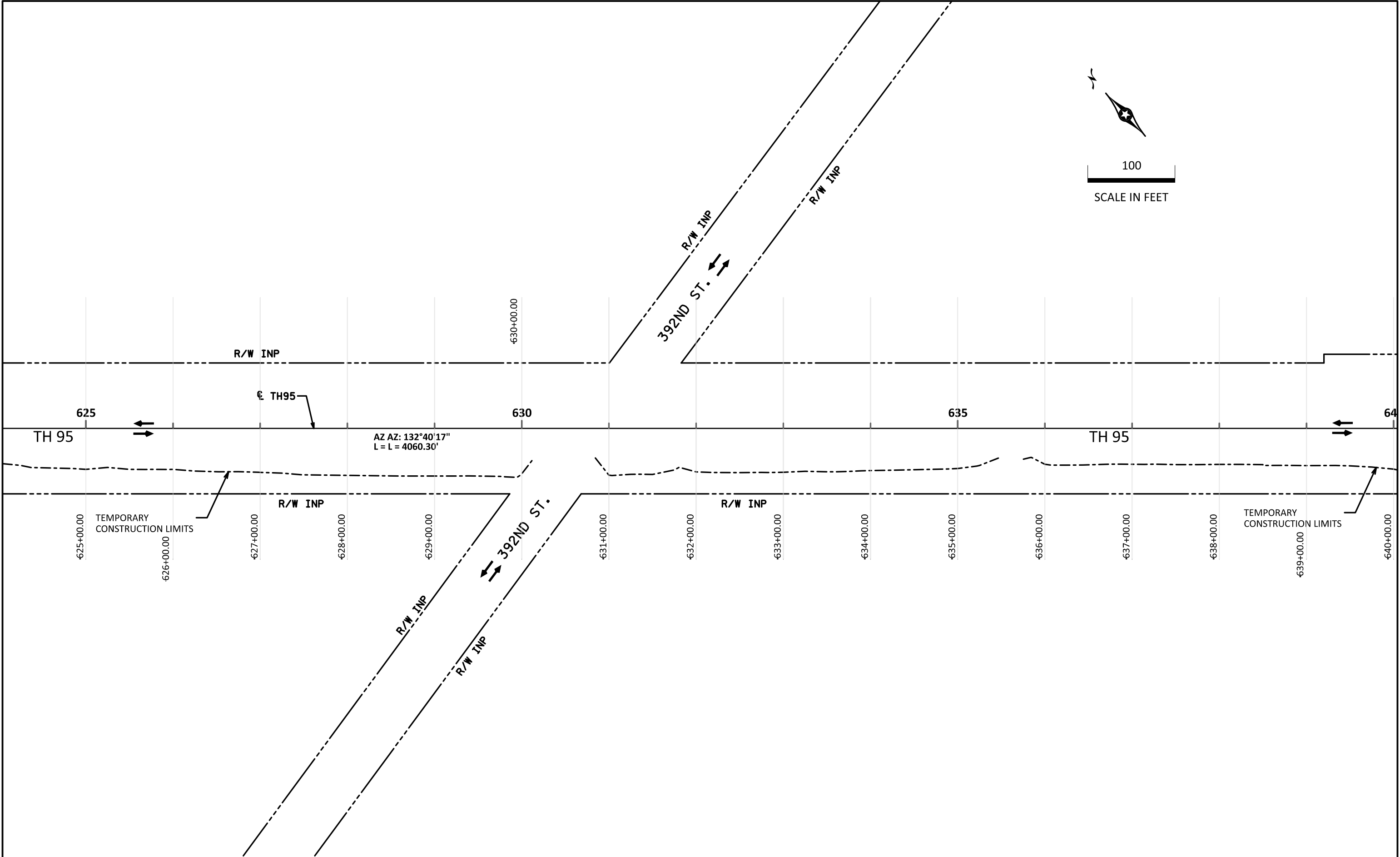
TEMPORARY MATCH LINE LAYOUT

SHEET 1 OF 3

		 CHAD CASEY LICENSED PROFESSIONAL ENGINEER	Chad Casey LIC. NO. 43348 DATE: 15-MAY-2024	I HEREBY CERTIFY THAT THIS PLAN SHEET 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.	CROSS SECTION MATCH LINE LAYOUT	STATE PROJ. NO. 1307-38	SHEET NO. X1
						(T.H. 95)	TOTAL SHEETS X26

PLOTTED/REVISED: 15-MAY-2024

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TEMPORARY MATCH LINE LAYOUT

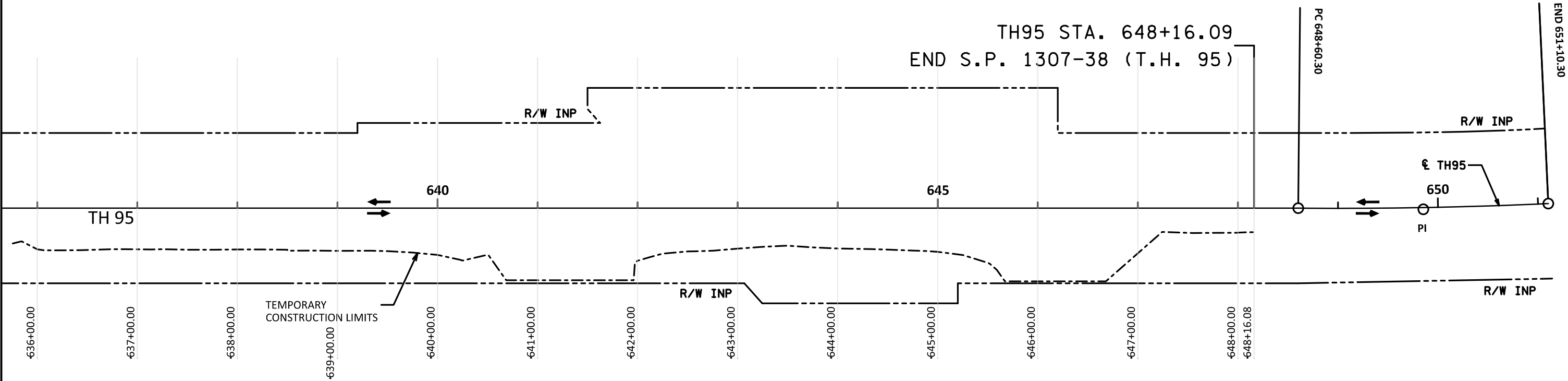
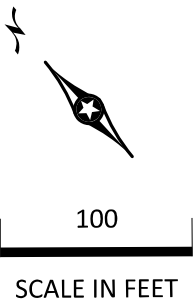
SHEET 2 OF 3

		 CHAD CASEY LICENSED PROFESSIONAL ENGINEER	Chad Casey LIC. NO. 43348 DATE: 15-MAY-2024	I HEREBY CERTIFY THAT THIS PLAN SHEET 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.	CROSS SECTION MATCH LINE LAYOUT	STATE PROJ. NO. 1307-38	SHEET NO. X2
						(T.H. 95)	TOTAL SHEETS X26

15-MAY-2024

PLOTTED/REVISED:

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TEMPORARY MATCH LINE LAYOUT

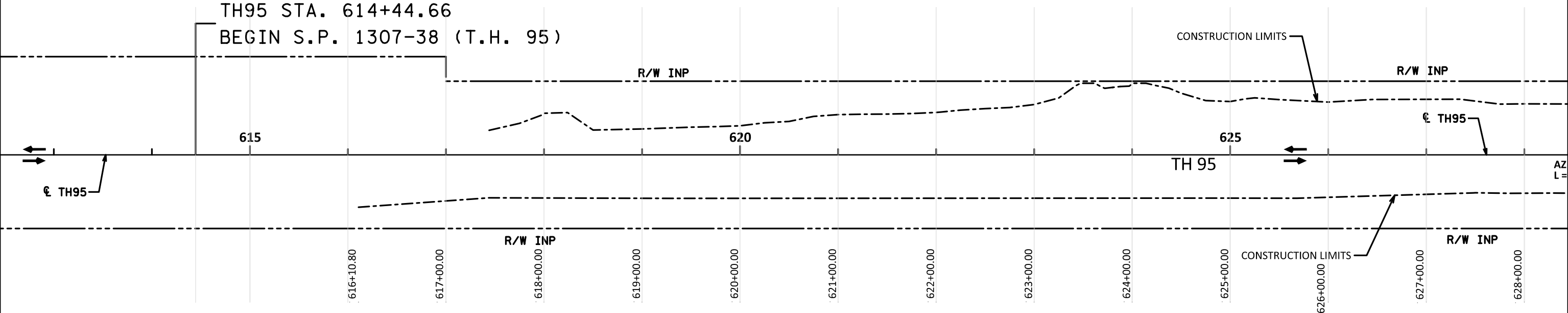
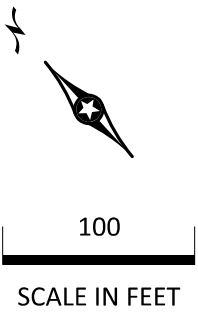
SHEET 3 OF 3

	 CHAD CASEY LICENSED PROFESSIONAL ENGINEER	Chad Casey LIC. NO. 43348 DATE: 15-MAY-2024	I HEREBY CERTIFY THAT THIS PLAN SHEET 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.	CROSS SECTION MATCH LINE LAYOUT	STATE PROJ. NO. 1307-38	SHEET NO. X3
					(T.H. 95)	TOTAL SHEETS X26

15-MAY-2024

PLOTTED/REVISED:

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FINAL MATCH LINE LAYOUT

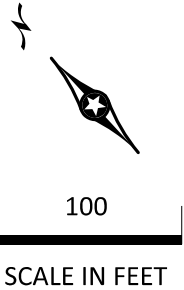
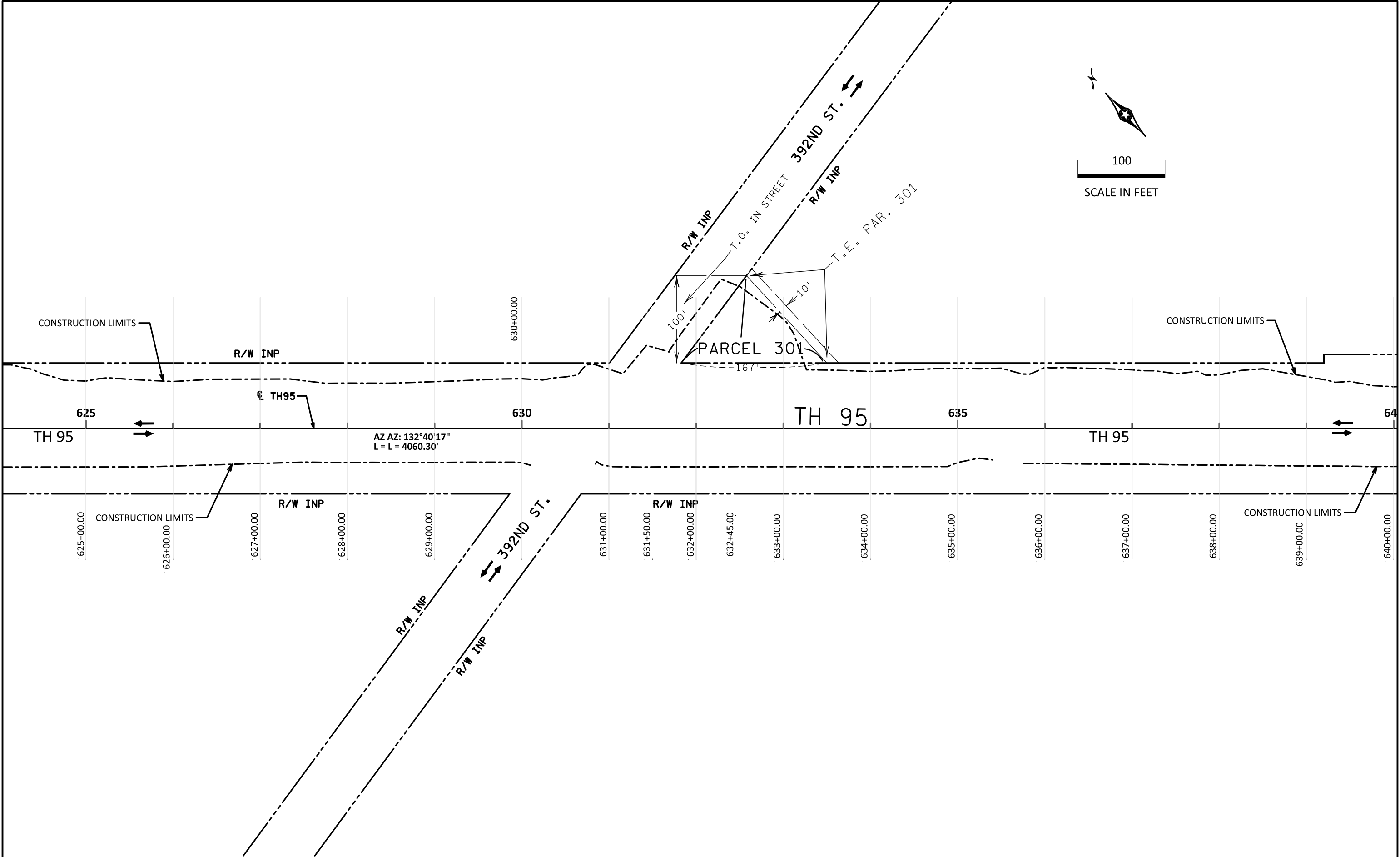
SHEET 1 OF 3

		 CHAD CASEY LICENSED PROFESSIONAL ENGINEER	Chad Casey LIC. NO. 43348 DATE: 15-MAY-2024	I HEREBY CERTIFY THAT THIS PLAN SHEET 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.	CROSS SECTION MATCH LINE LAYOUT	STATE PROJ. NO. 1307-38	SHEET NO. X4
						(T.H. 95)	TOTAL SHEETS X26

PLOT NAME: d1307038_901.dgn

24-JUL-2024

PROJECT & FILENAME: Projects\DM_ROS\095\1307\038\Design\PlanSheets\1307038_901.dgn

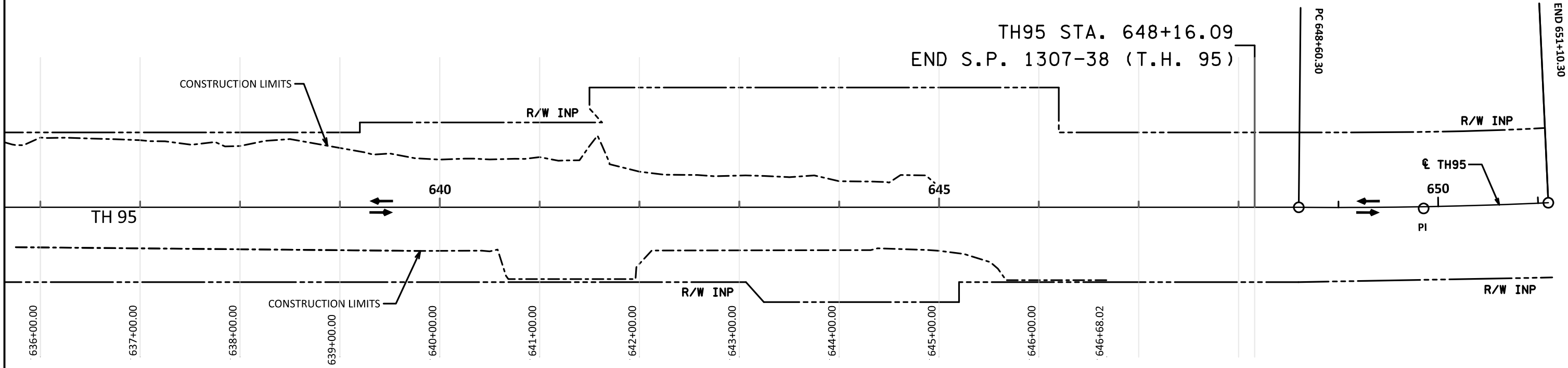
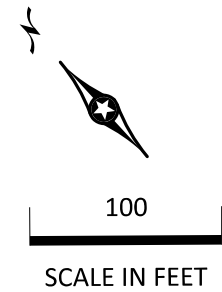


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						(T.H. 95)	TOTAL SHEETS X26

15-MAY-2024

PLOTTED/REVISED:

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TH95 STA. 648+16.09
END S.P. 1307-38 (T.H. 95)

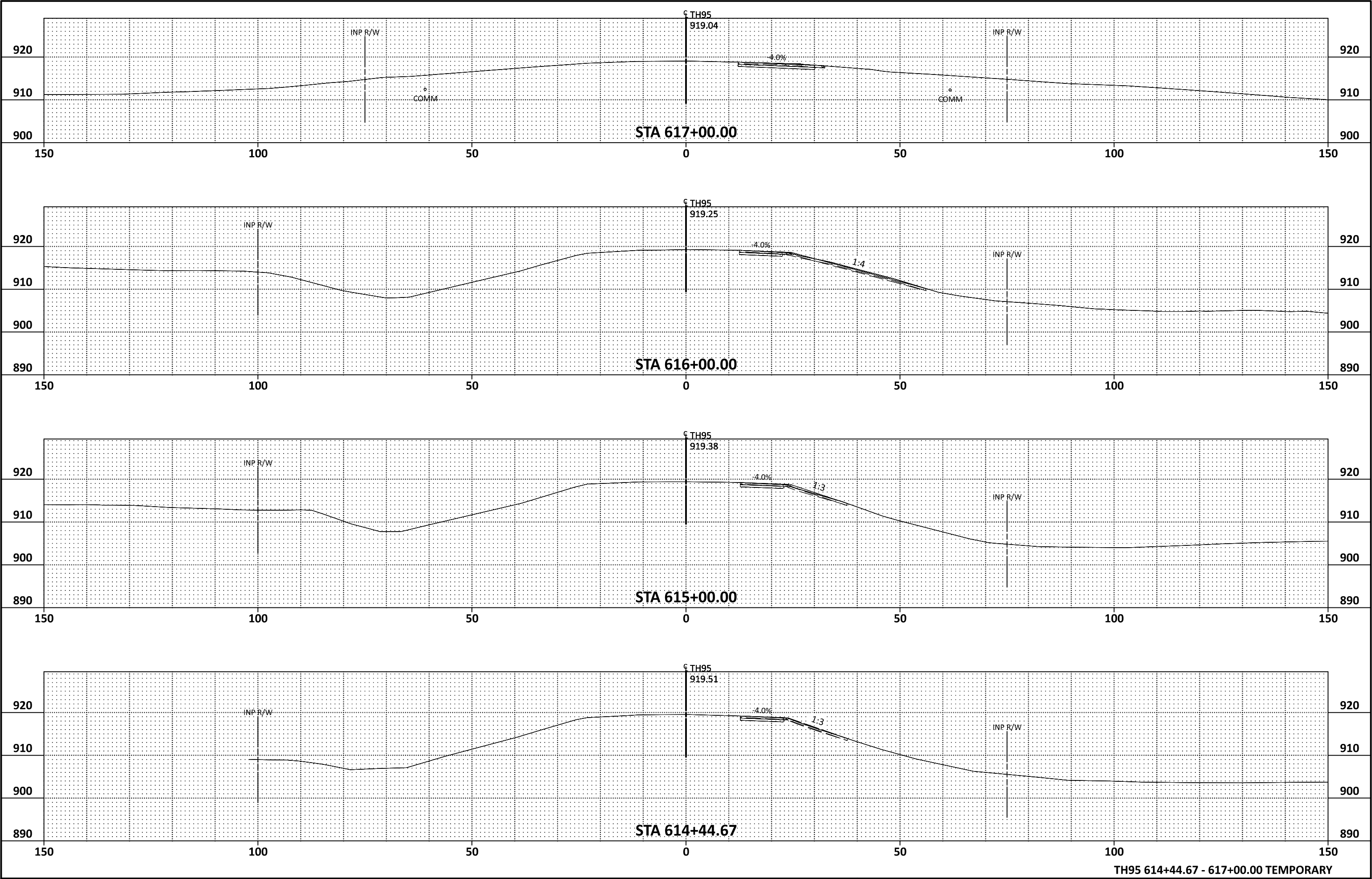
FINAL MATCH LINE LAYOUT

SHEET 3 OF 3

	 LICENCED PROFESSIONAL ENGINEER	Chad Casey LIC. NO. 43348 DATE: 15-MAY-2024	I HEREBY CERTIFY THAT THIS PLAN SHEET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENCED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	CROSS SECTION MATCH LINE LAYOUT	STATE PROJ. NO. 1307-38	SHEET NO. X6
					(T.H. 95)	TOTAL SHEETS X26

PLOTTED/REVISED: 15-MAY-2024

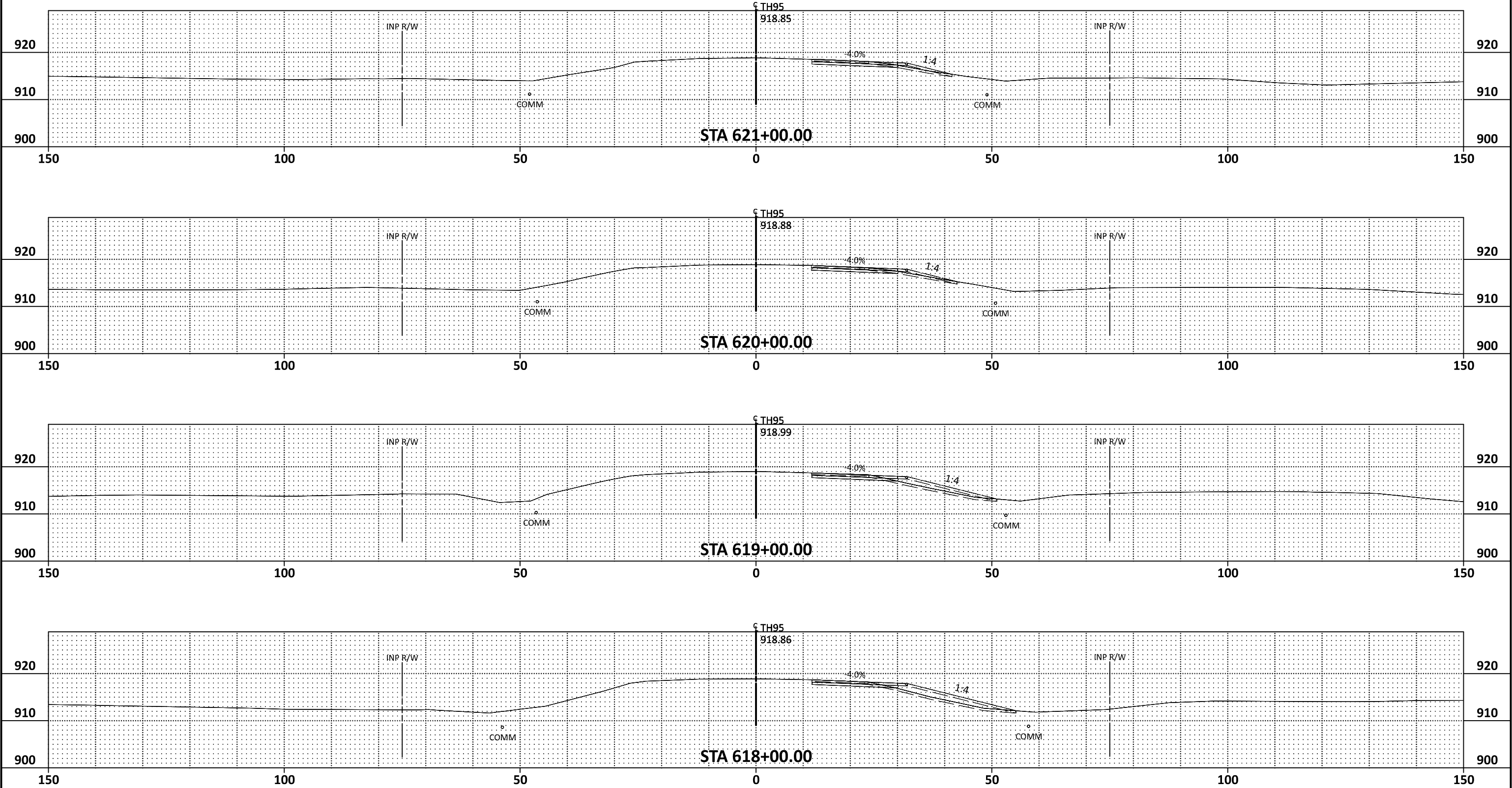
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15-MAY-2024

PLOTTED/REVISED:

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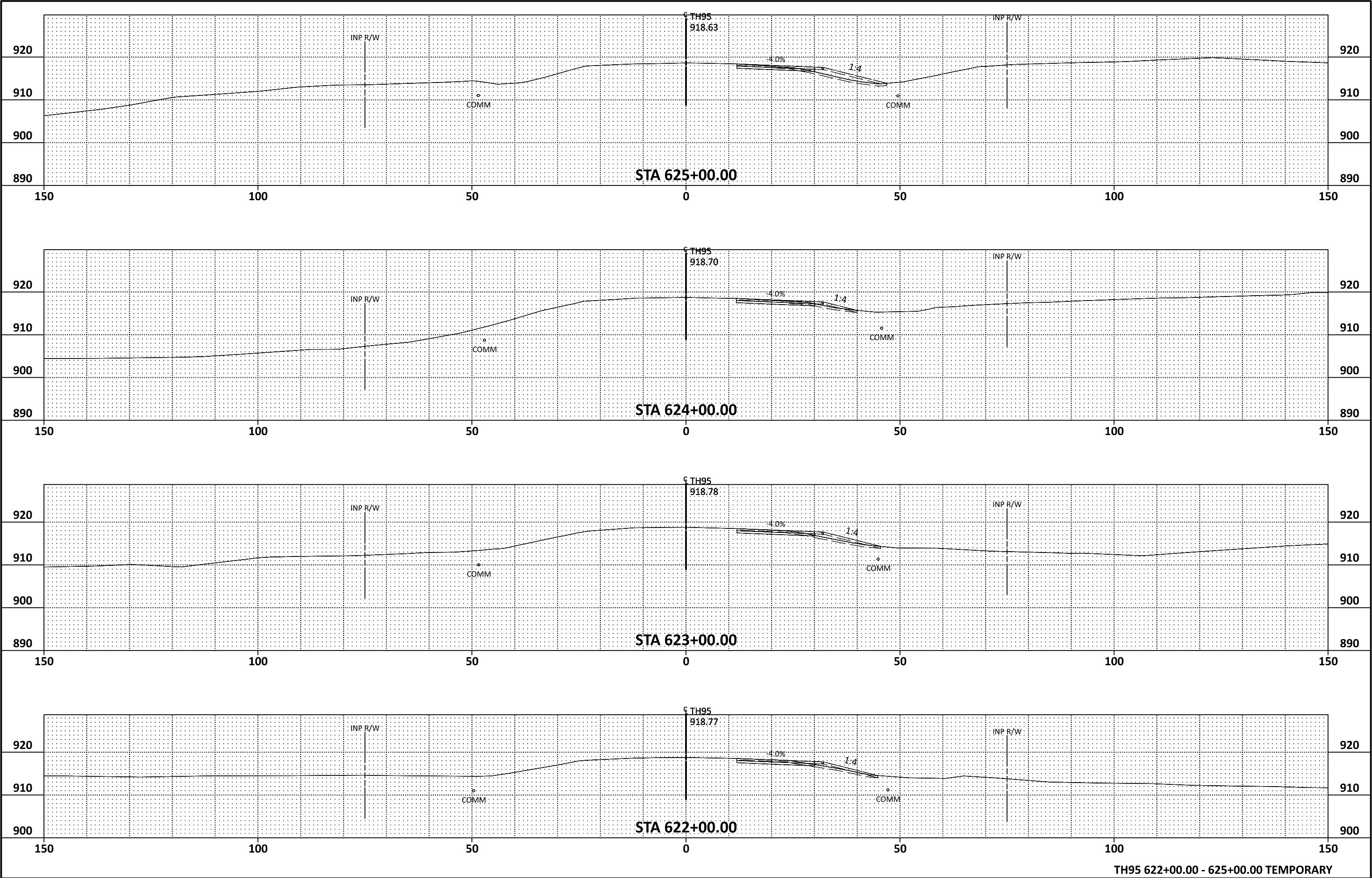


TH95 618+00.00 - 621+00.00 TEMPORARY

15-MAY-2024

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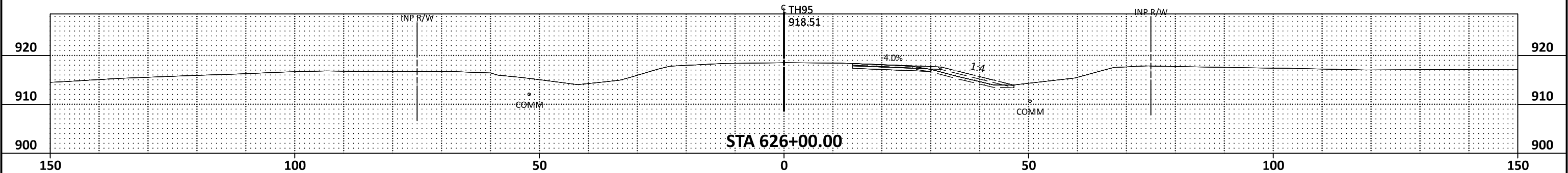
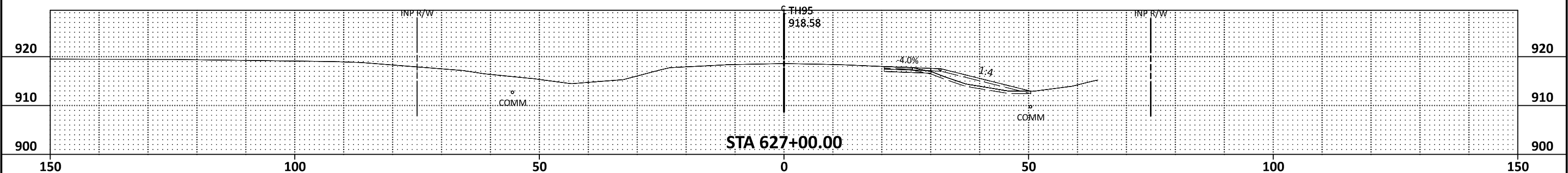
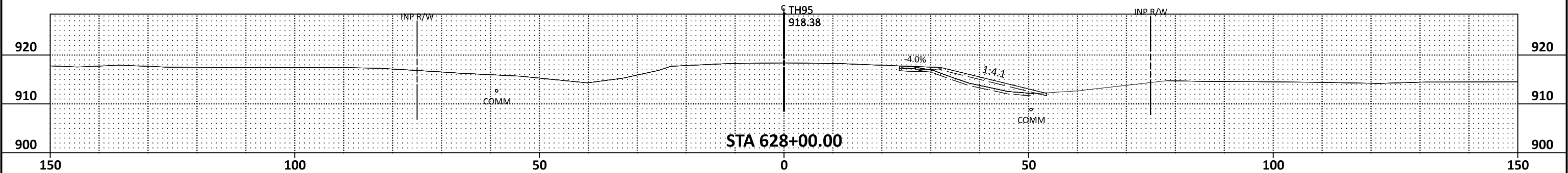
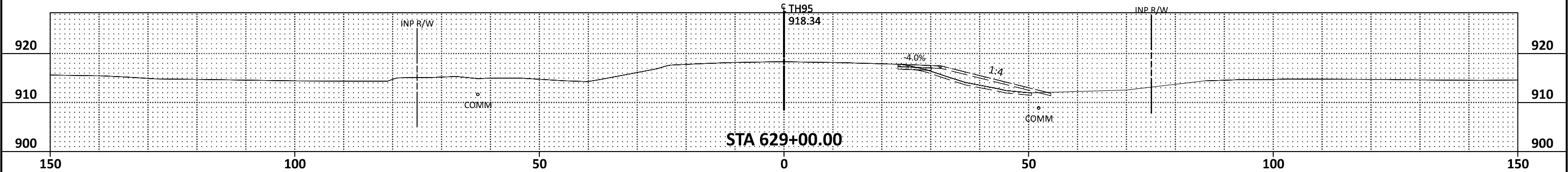


TH95 622+00.00 - 625+00.00 TEMPORARY

15-MAY-2024

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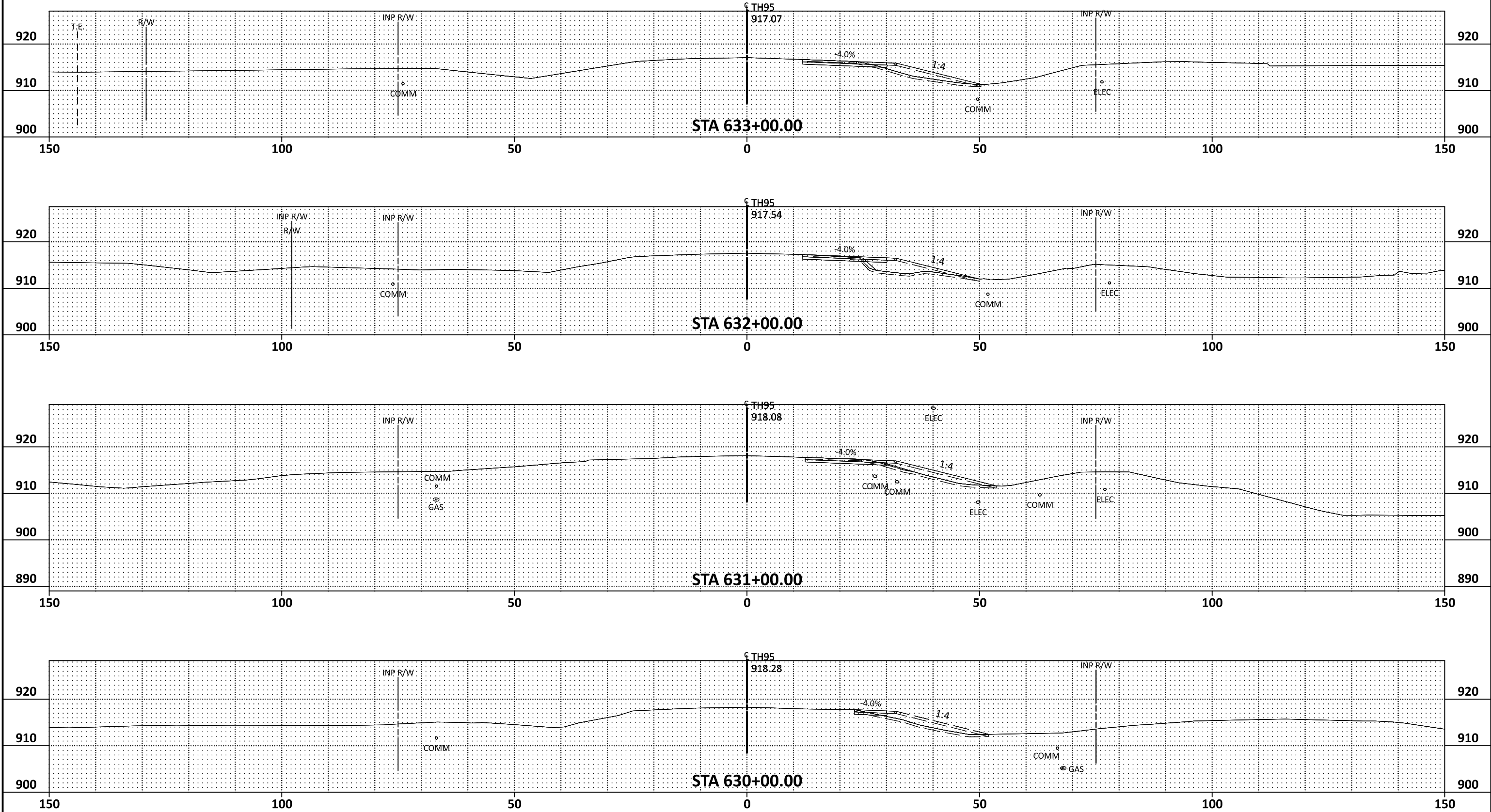
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STATE PROJ. NO. 1307-038 (T.H. 95) SHEET NO. X10 OF X26 SHEETS

15-MAY-2024

PLOTTED/REVISED:

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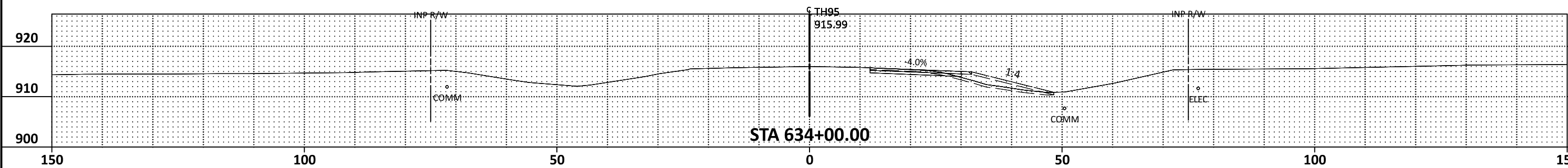
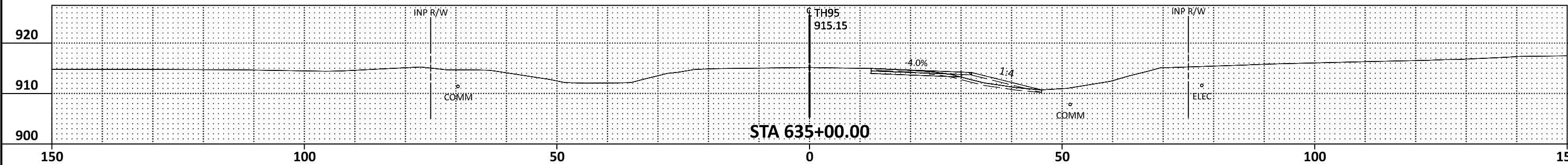
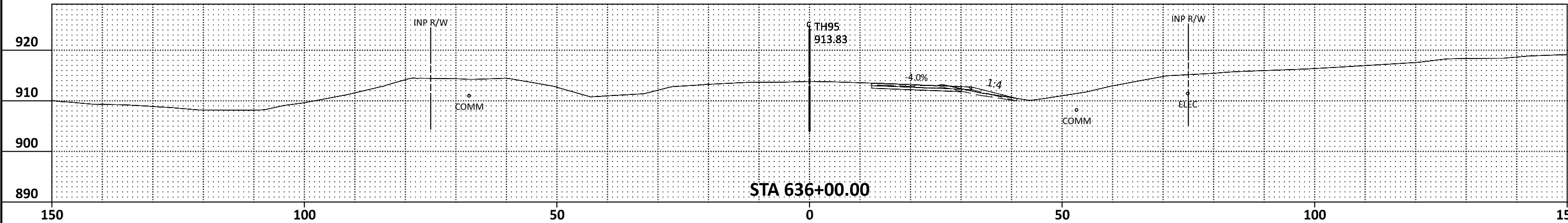
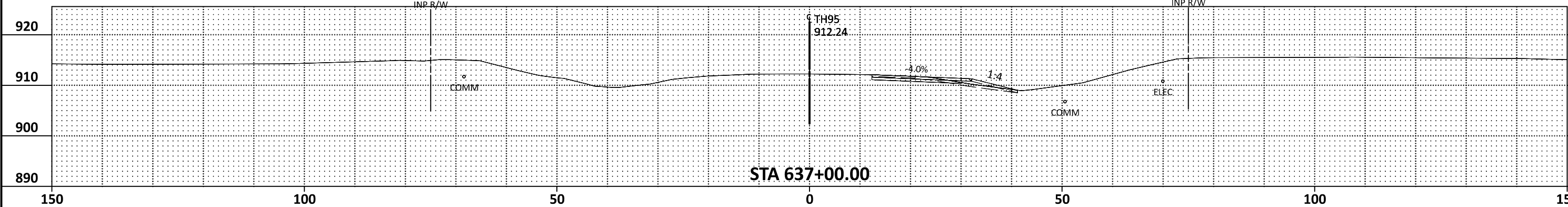


TH95 630+00.00 - 633+00.00 TEMPORARY

15-MAY-2024

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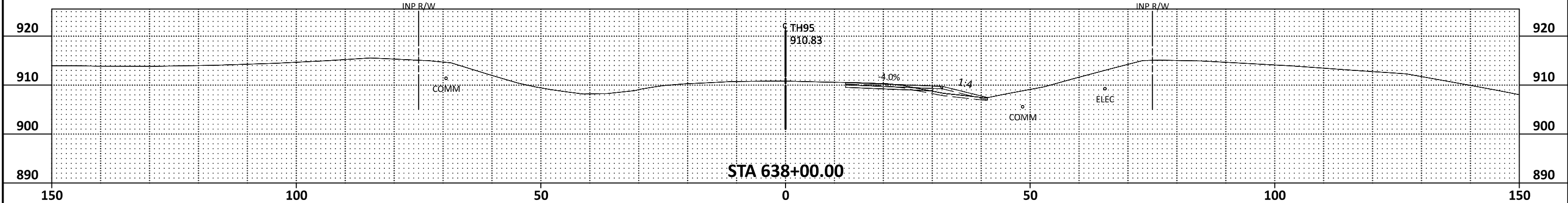
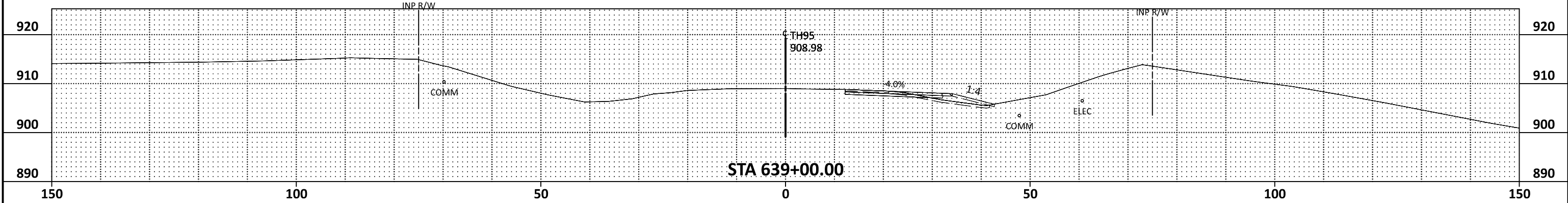
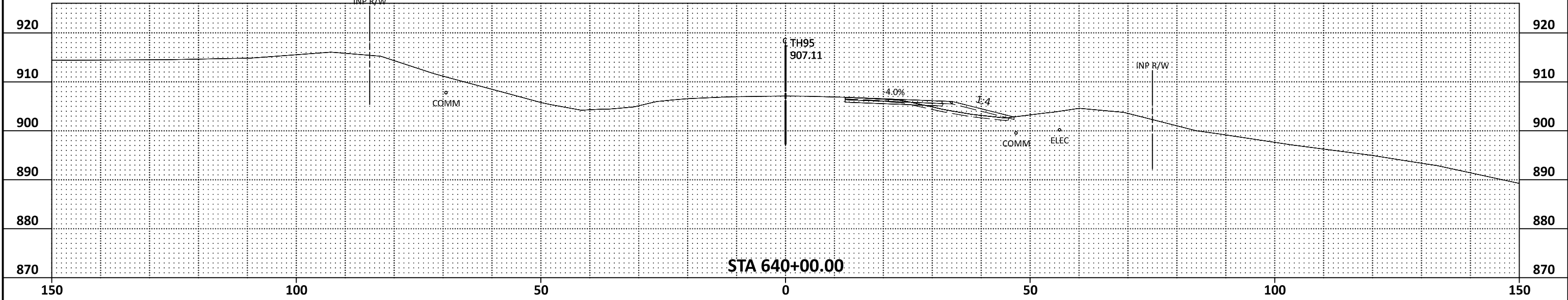


TH95 634+00.00 - 637+00.00 TEMPORARY

STATE PROJ. NO. 1307-038 (T.H. 95) SHEET NO. X12 OF X26 SHEETS

PLOTTED/REVISED: 15-MAY-2024

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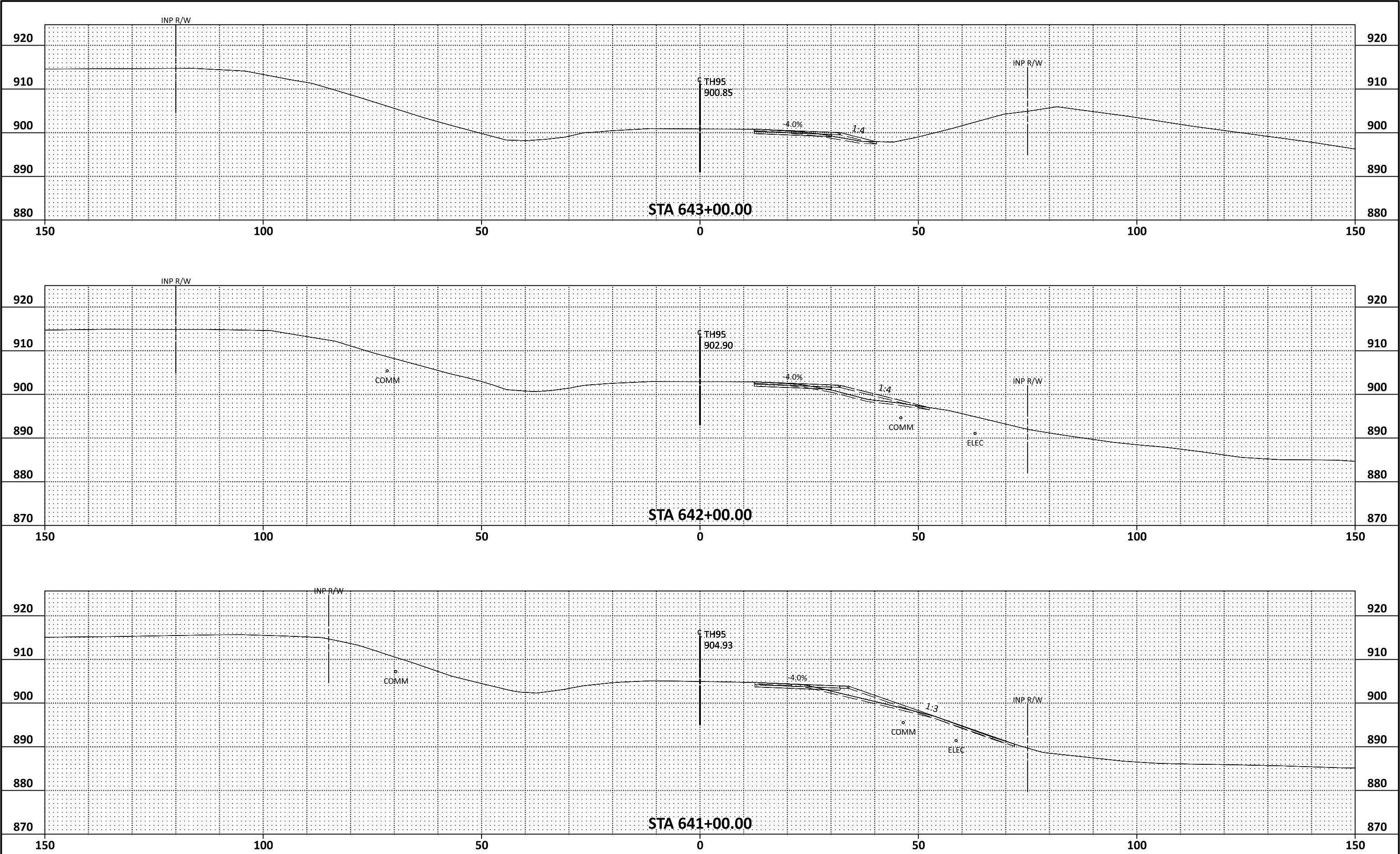


TH95 638+00.00 - 640+00.00 TEMPORARY

15-MAY-2024

PLOTTED/REVISED:

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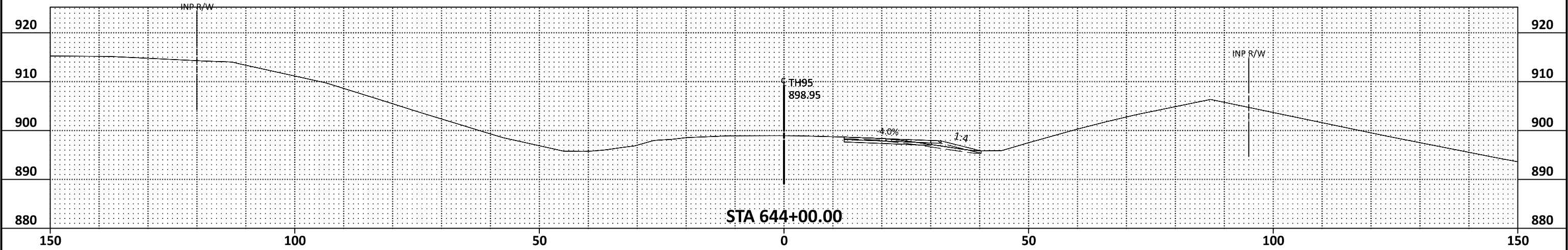
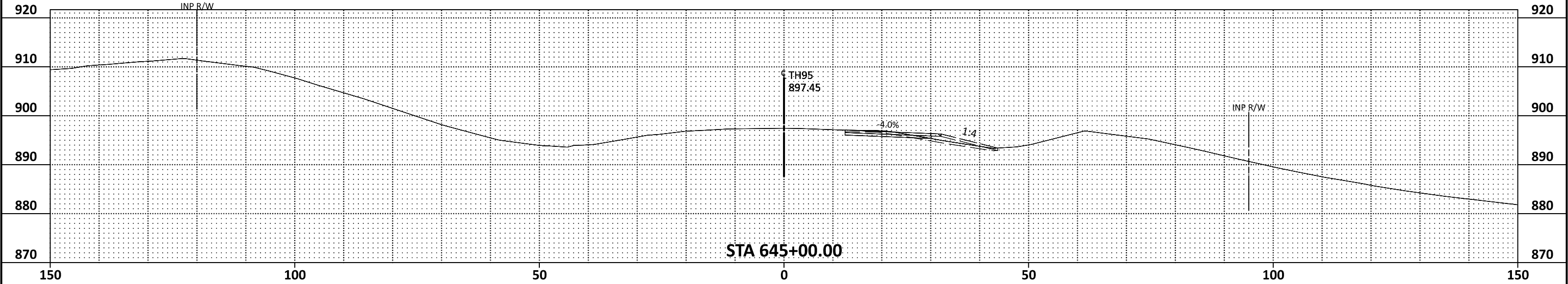
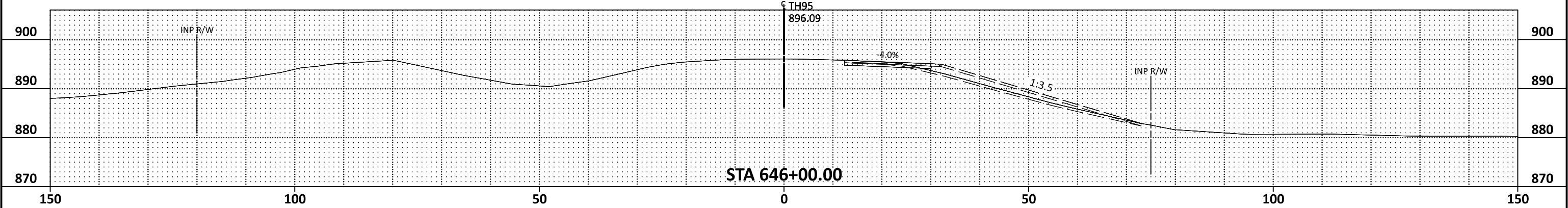
TH95 641+00.00 - 643+00.00 TEMPORARY

STATE PROJ. NO. 1307-038 (T.H. 95) SHEET NO. X14 OF X26 SHEETS

15-MAY-2024

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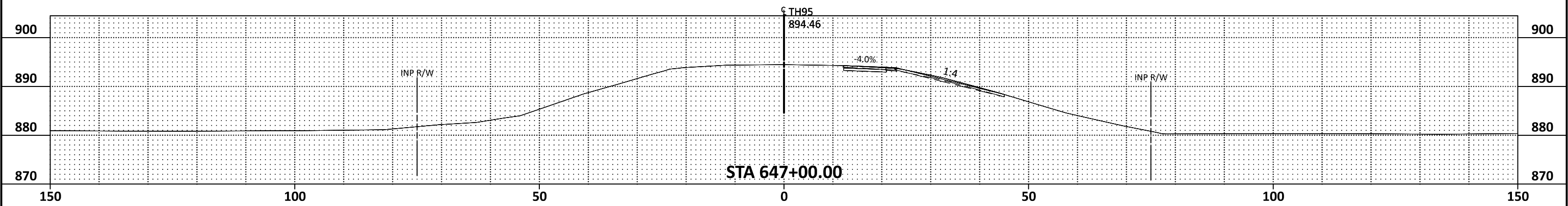
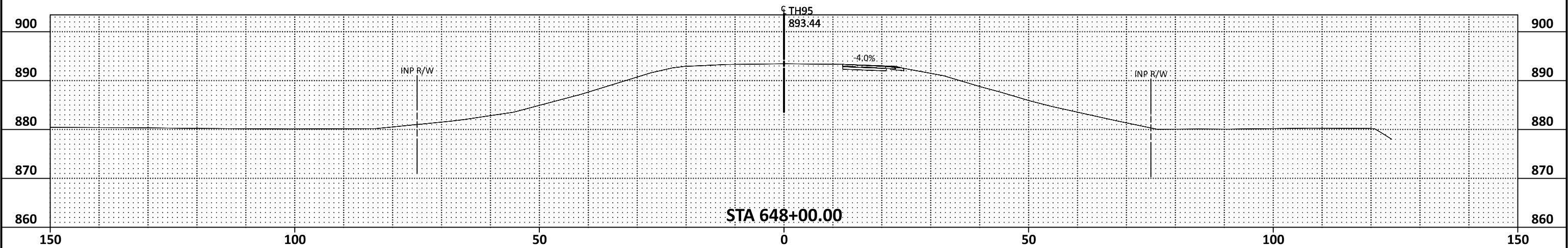
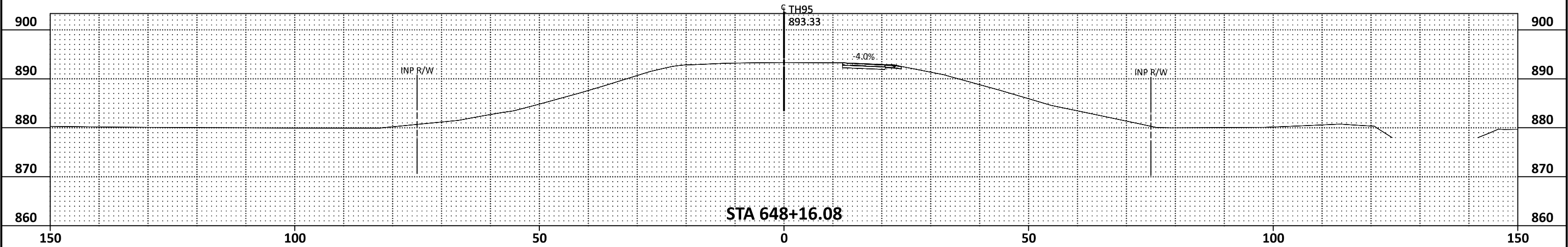


TH95 644+00.00 - 646+00.00 TEMPORARY

STATE PROJ. NO. 1307-038 (T.H. 95) SHEET NO. X15 OF X26 SHEETS

PLOTTED/REVISED: 15-MAY-2024

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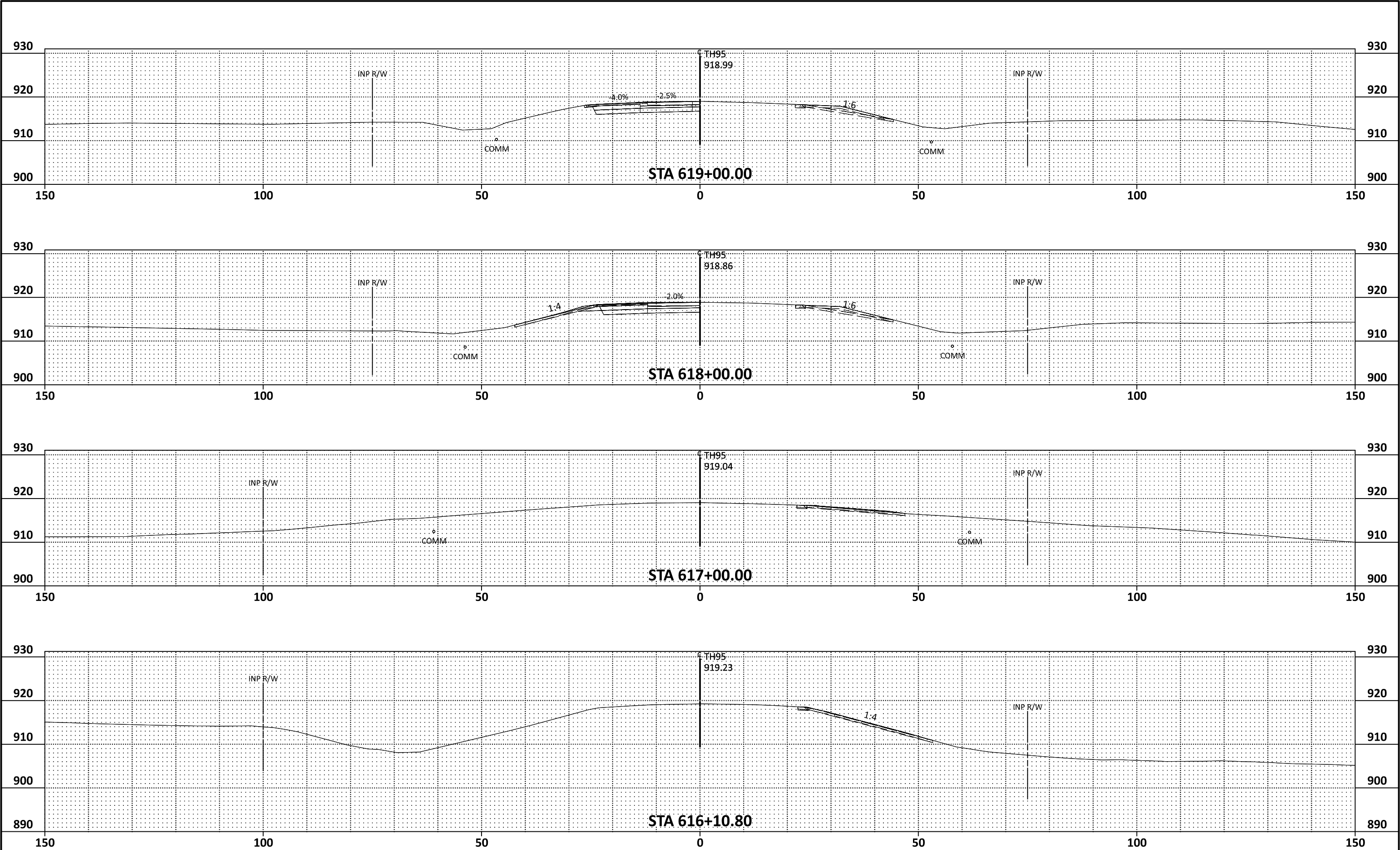


TH95 647+00.00 - 648+16.08 TEMPORARY

15-MAY-2024

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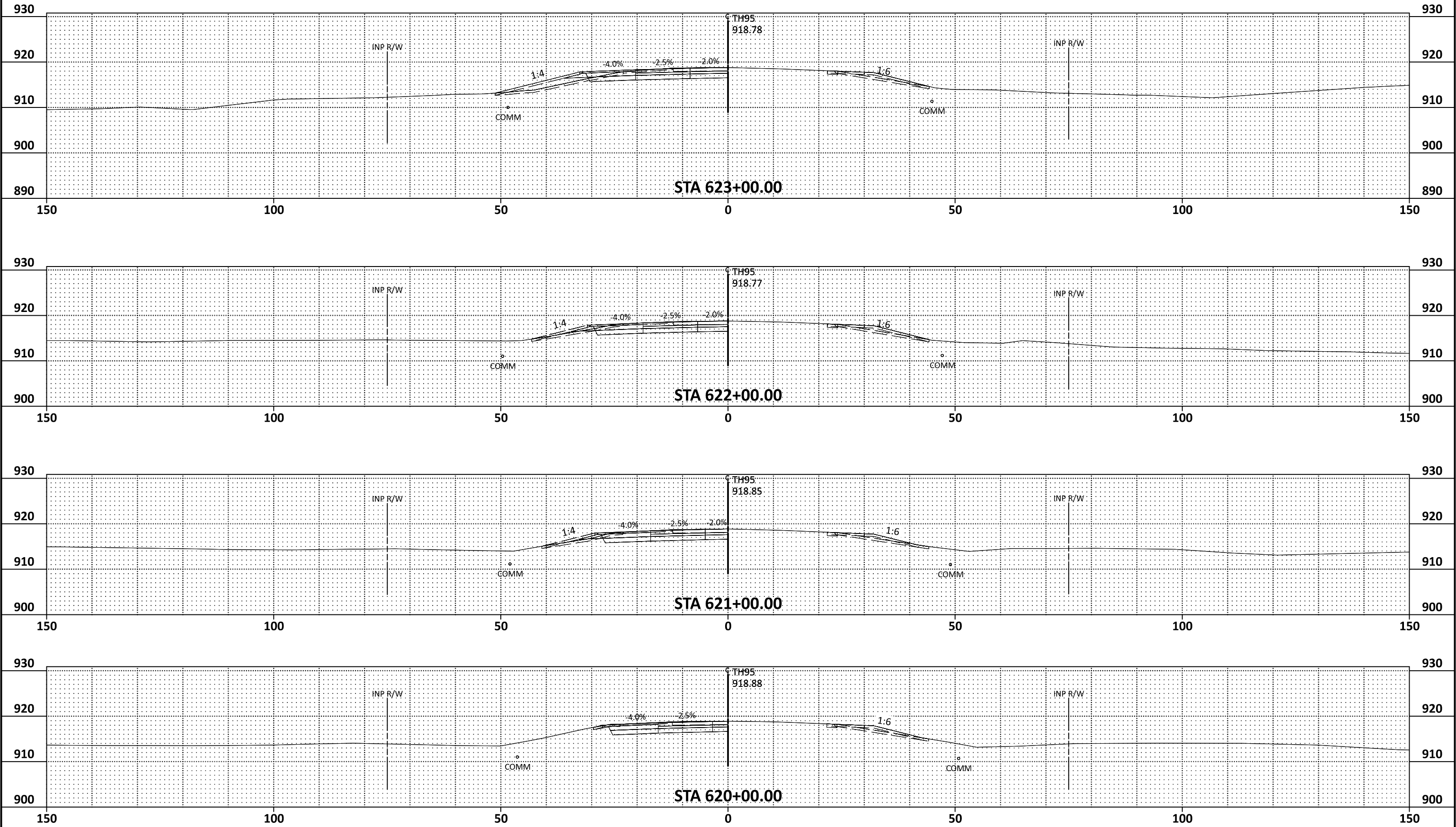


TH95 616+10.80 - 619+00.00 FINAL PROPOSED

STATE PROJ. NO. 1307-038 (T.H. 95) SHEET NO. X17 OF X26 SHEETS

PLOTTED/REVISED: 15-MAY-2024

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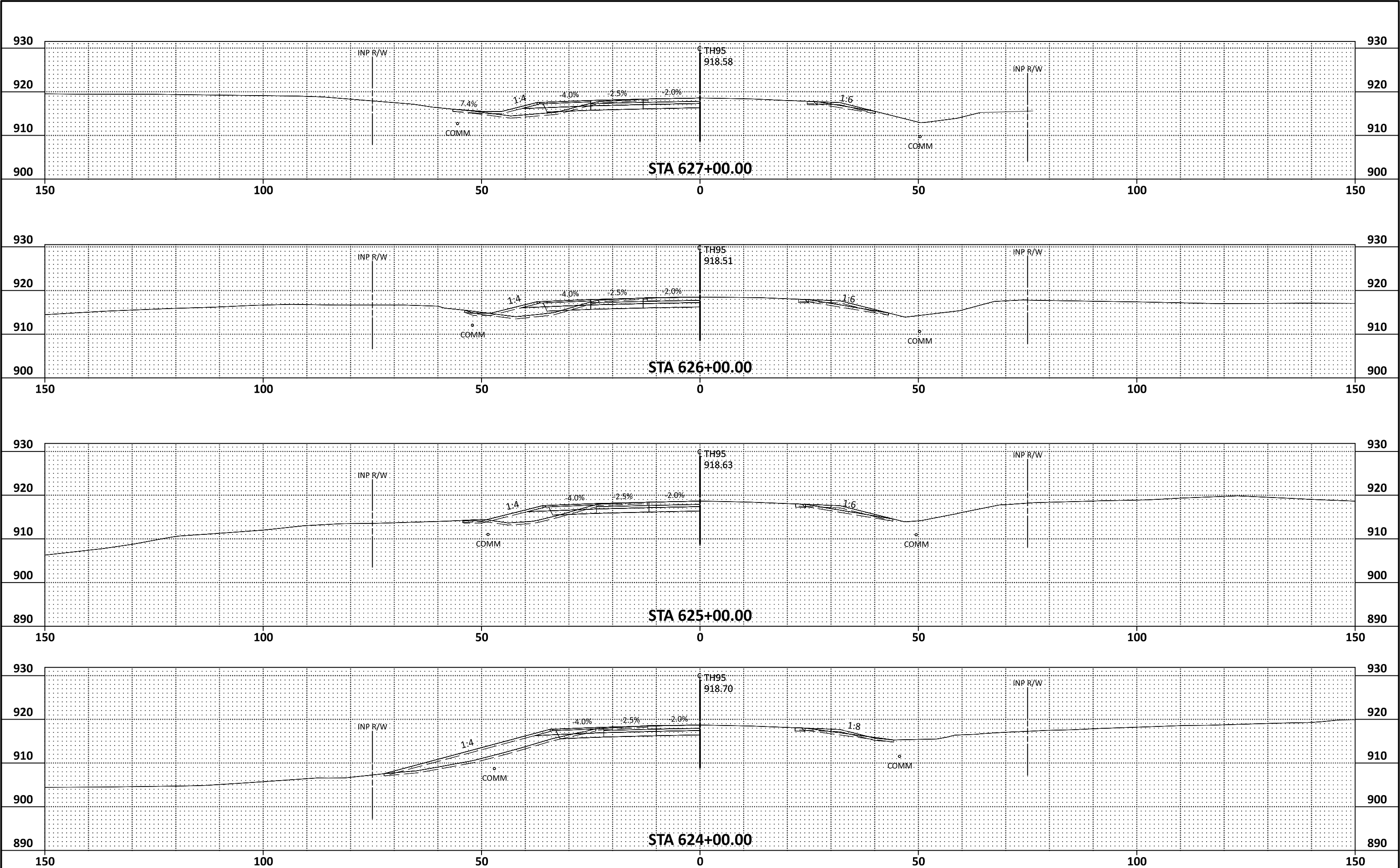


TH95 620+00.00 - 623+00.00 FINAL PROPOSED

24-JUL-2024

PLOTTED/REVISED:

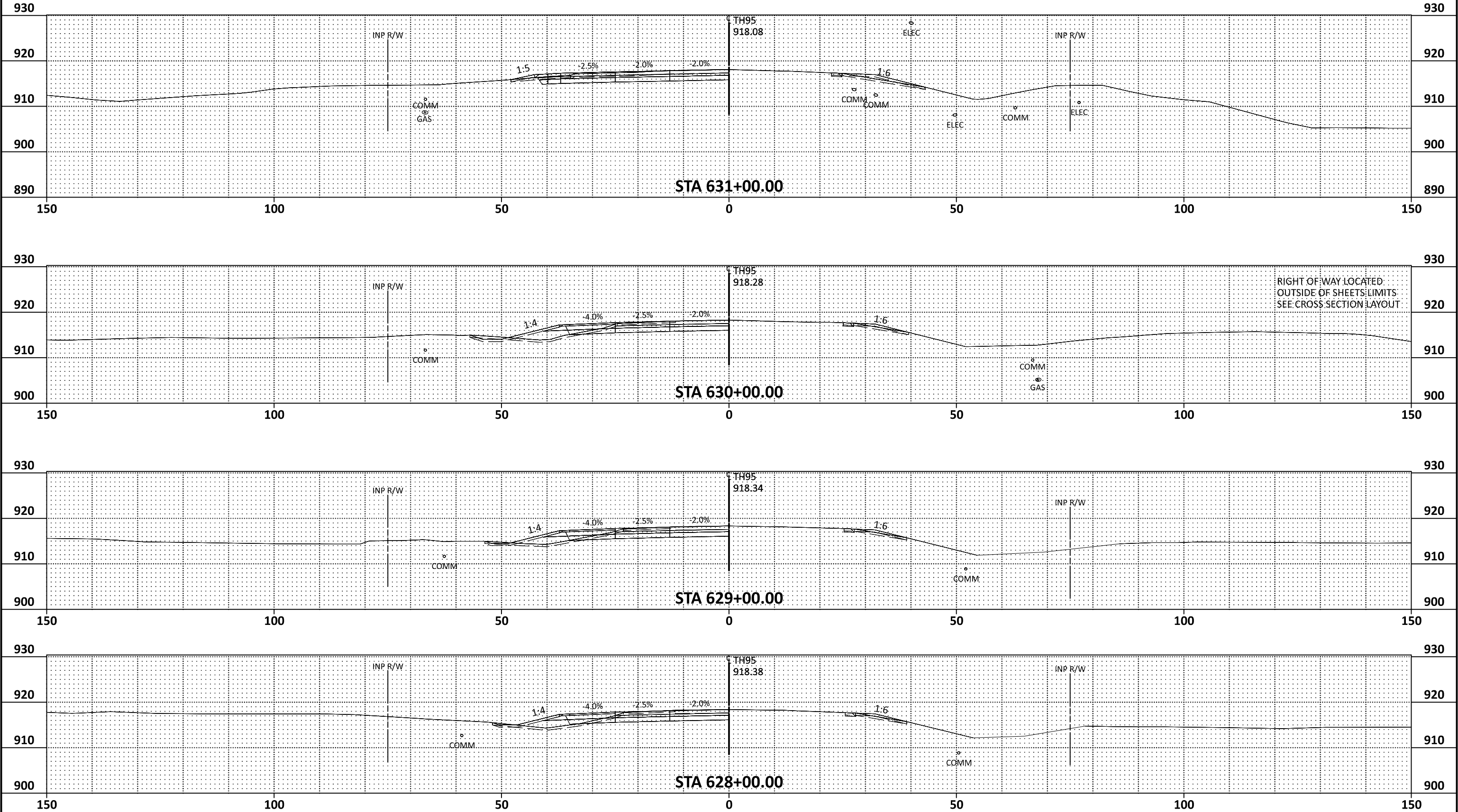
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TH95 624+00.00 - 627+00.00 FINAL PROPOSED

PLOTTED/REVISED: 24-JUL-2024

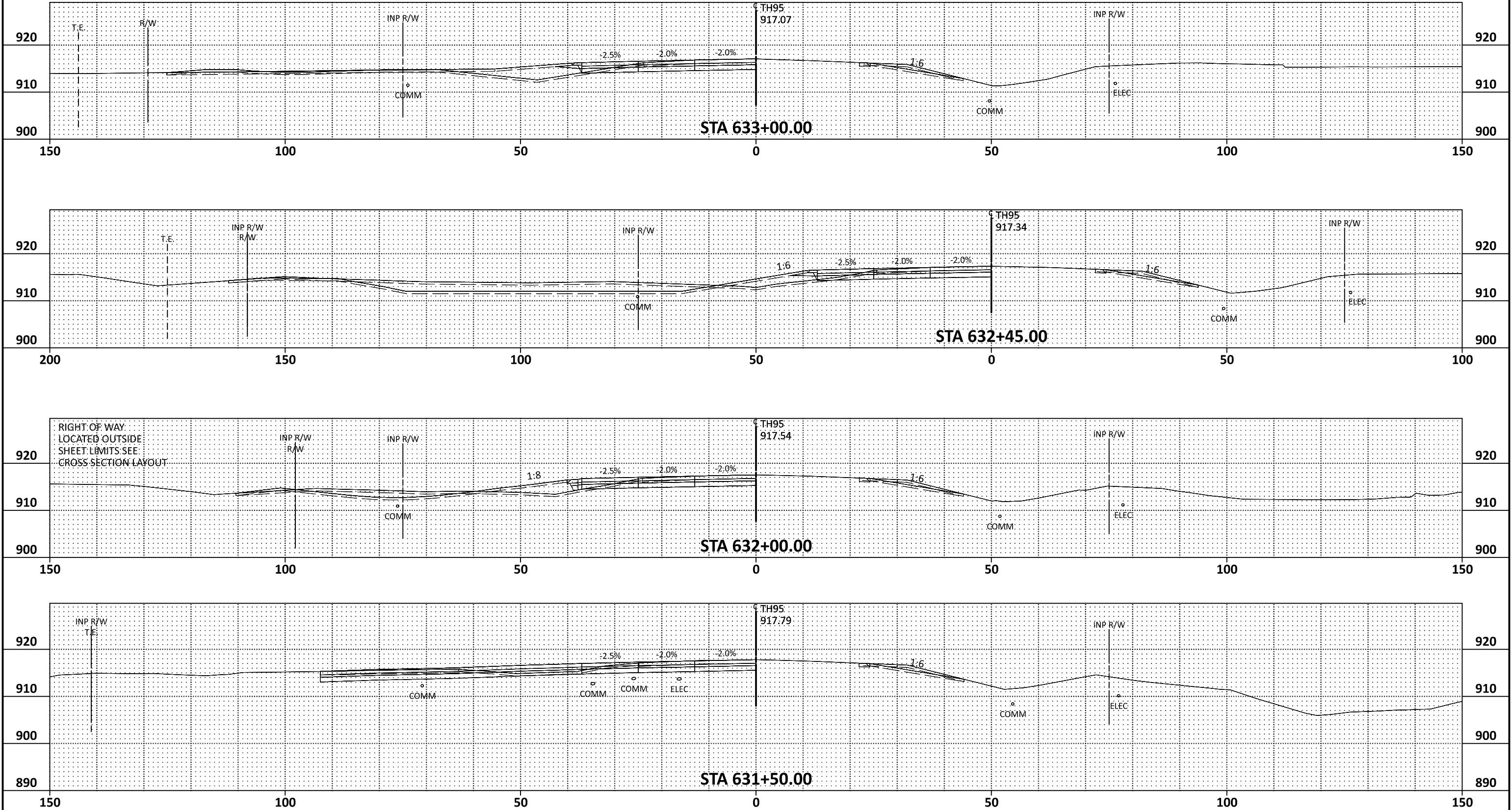
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24-JUL-2024

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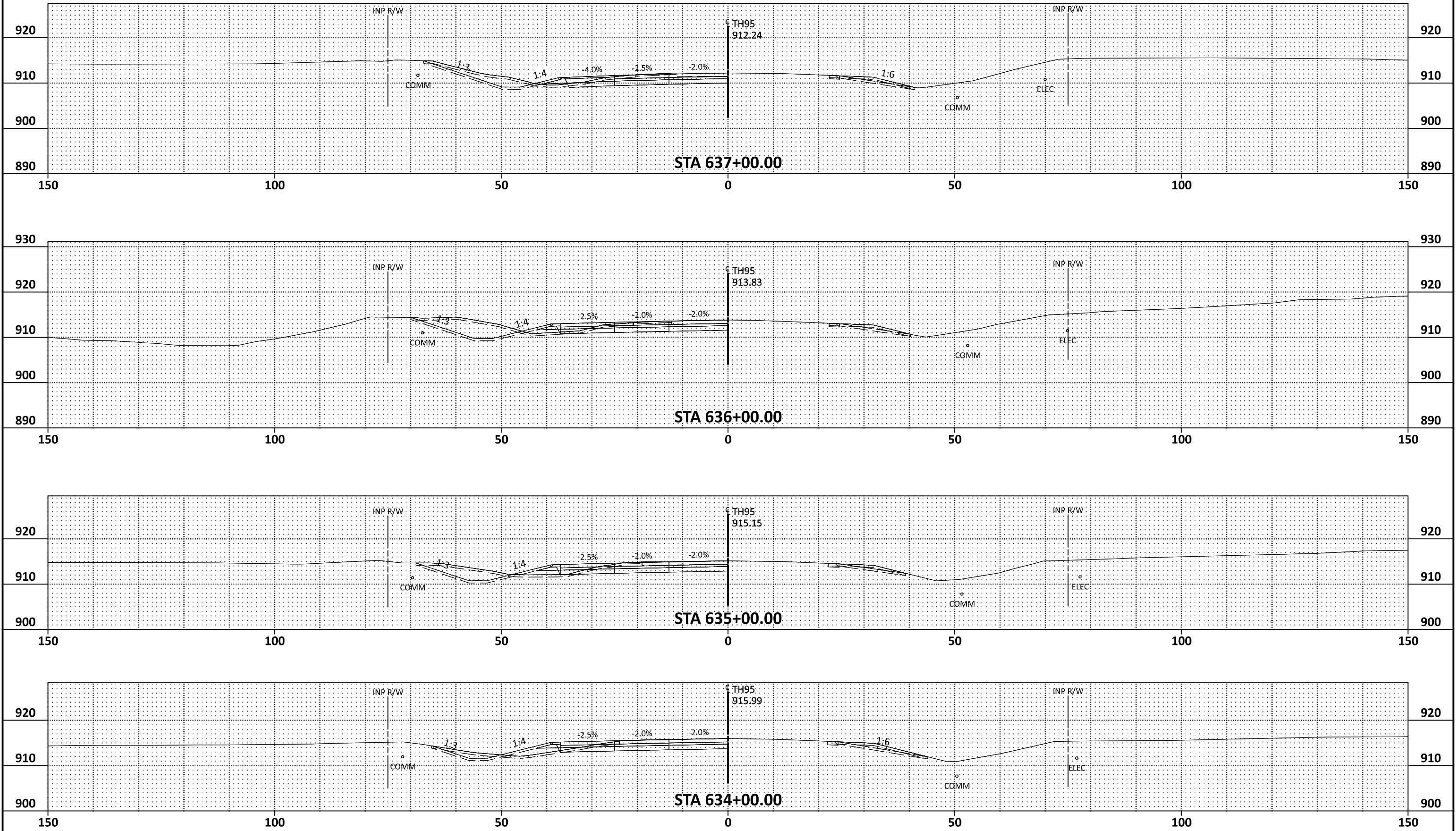
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STATE PROJ. NO. 1307-38 (T.H. 95) SHEET NO. X21 OF X26 SHEETS

15-MAY-2024

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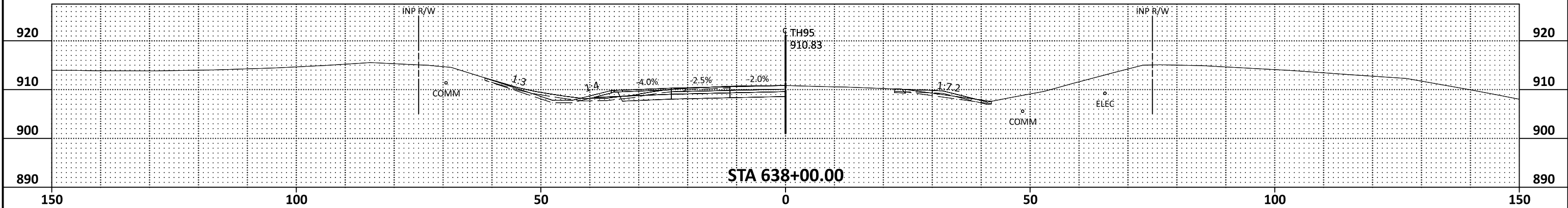
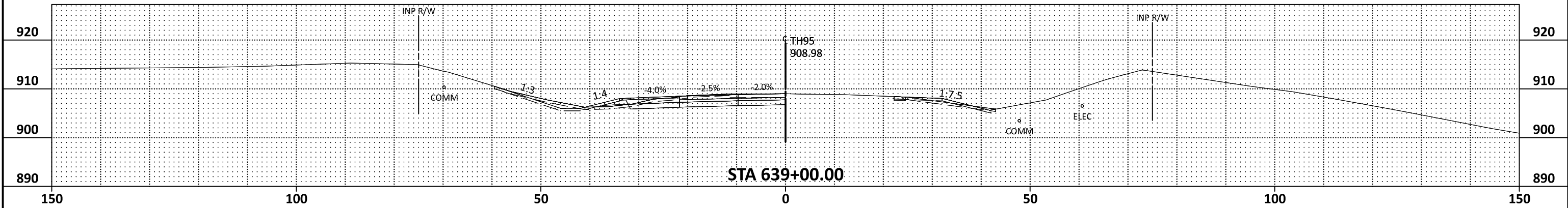
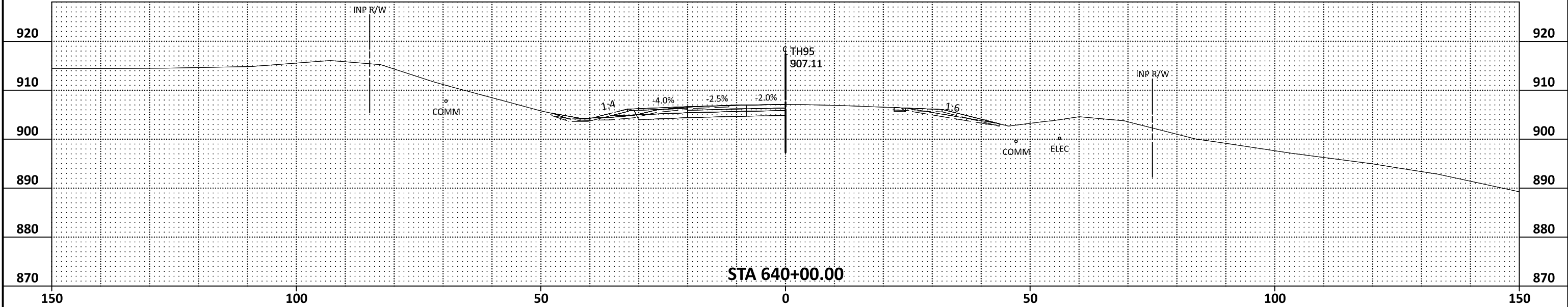
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TH95 634+00.00 - 637+00.00 FINAL PROPOSED

PLOTTED/REVISED: 15-MAY-2024

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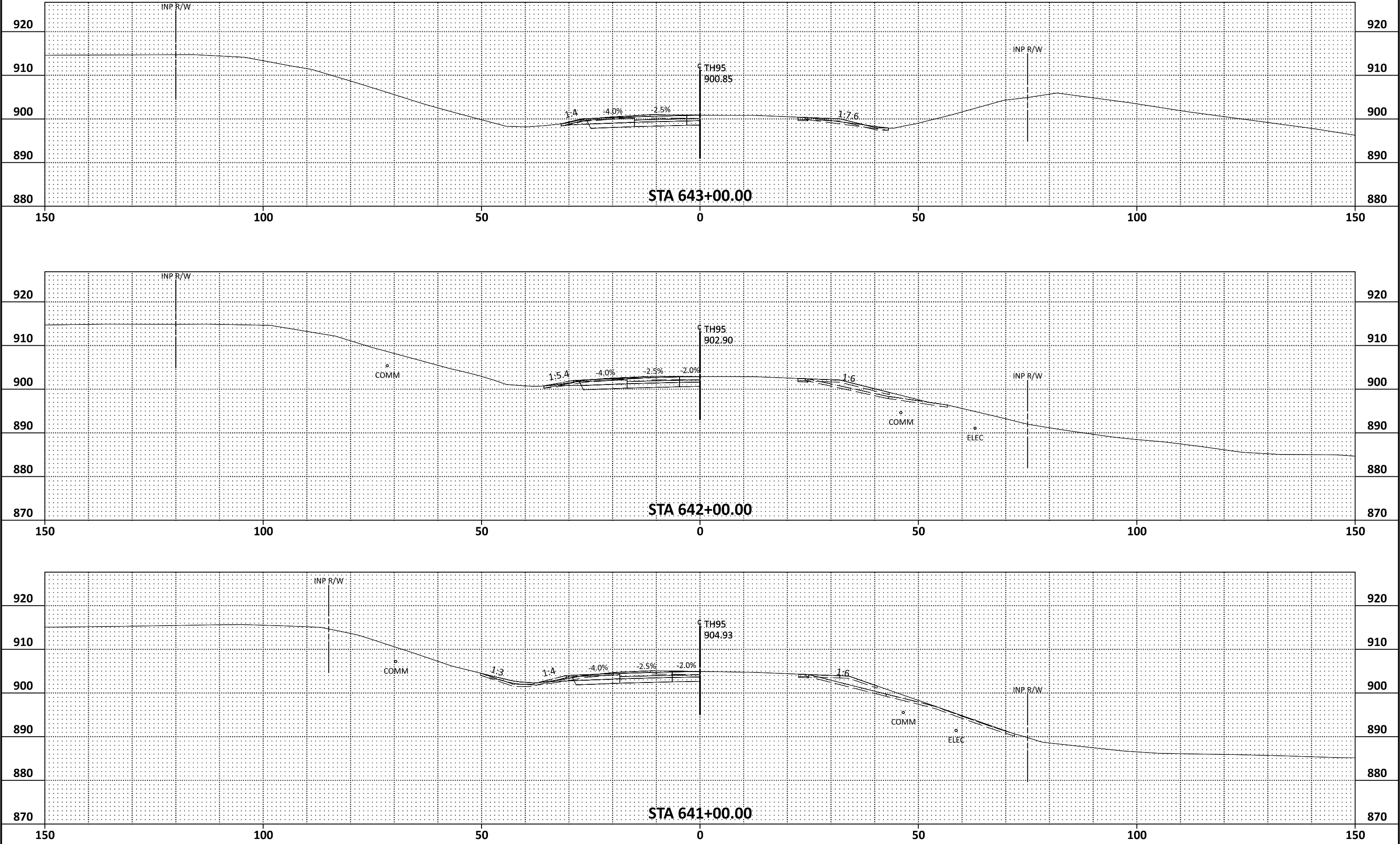


TH95 638+00.00 - 640+00.00 FINAL PROPOSED

15-MAY-2024

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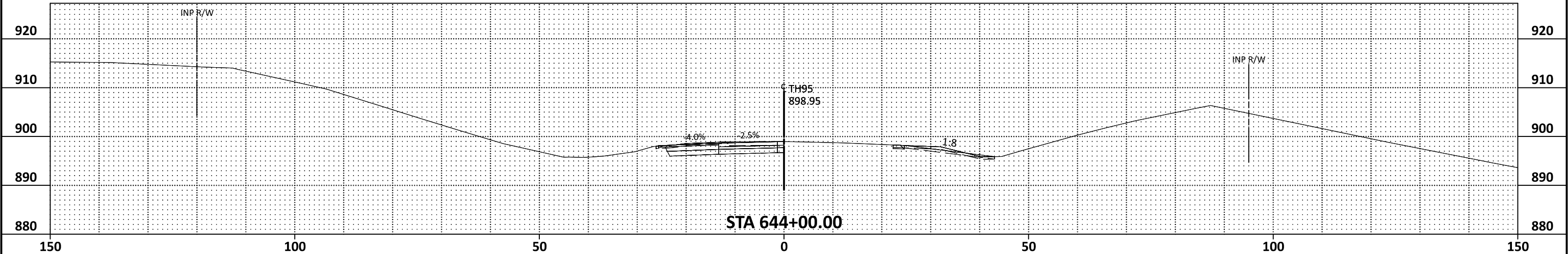
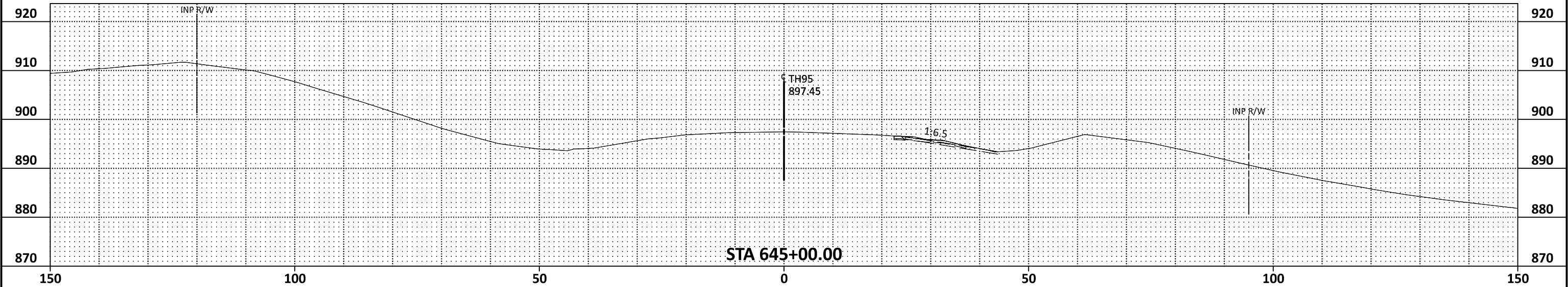
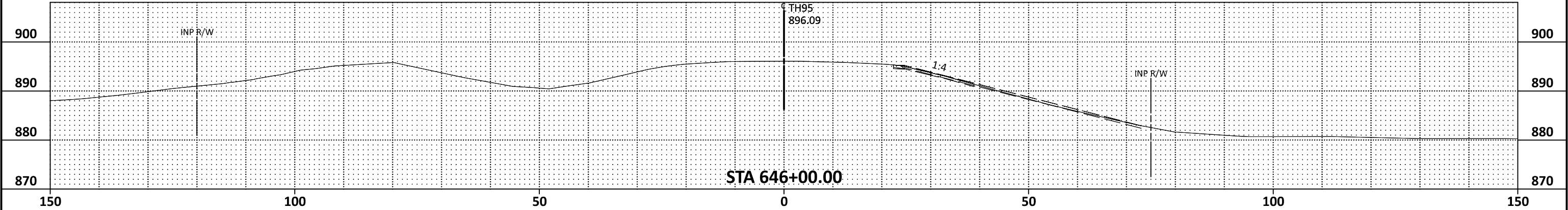
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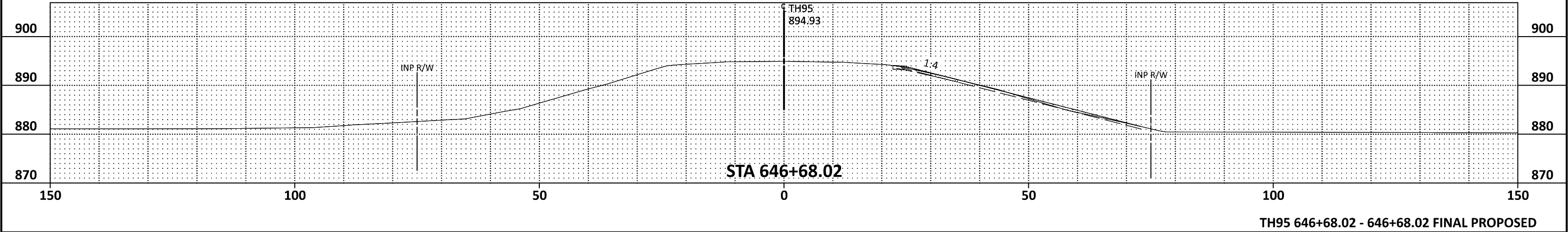
TH95 641+00.00 - 643+00.00 FINAL PROPOSED

PLOTTED/REVISED: 15-MAY-2024

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TH95 644+00.00 - 646+00.00 FINAL PROPOSED



FOREST LAKE CONTRACTING, INC. 14777 Lake Drive Forest Lake, Minnesota 55025			10-Mar-25			25-Feb-25														
Activity ID	Activity Name	Activity Type	Original Duration	Start	Finish	2025												2026		
						Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
24-15 TH 95 North Branch			104.0	10-Mar-25	01-Aug-25	01-Aug-25, 24-15 TH 95 North Branch														
A1000	Clearing	Task Depender	3.0	10-Mar-25	12-Mar-25		■													
A1010	Mobilization	Task Depender	4.0	14-Apr-25*	17-Apr-25			■												
A1140	Mill WB Ex. Rumble Stripes and Overlay	Task Depender	2.0	18-Apr-25	21-Apr-25			■												
24-15.4 Stage 1			32.0	22-Apr-25	05-Jun-25	05-Jun-25, 24-15.4 Stage 1														
A1020	Place Traffic Control	Task Depender	2.0	22-Apr-25	23-Apr-25			■												
A1030	Remove Bit Pavement	Task Depender	3.0	24-Apr-25	28-Apr-25			■												
A1040	Grub Stumps	Task Depender	1.0	29-Apr-25	29-Apr-25			■												
A1050	Excavate Soils	Task Depender	7.0	30-Apr-25	08-May-25			■												
A1060	Construct Embankment	Task Depender	7.0	05-May-25	13-May-25			■												
A1070	Install Storm Sewer	Task Depender	4.0	14-May-25	19-May-25			■												
A1080	Place Aggregate Base	Task Depender	4.0	20-May-25	23-May-25			■												
A1090	Tolerance Aggregate Base	Task Depender	2.0	27-May-25	28-May-25			■												
A1100	Pave Bituminous	Task Depender	3.0	29-May-25	02-Jun-25			■												
A1110	Install Landscaping	Task Depender	2.0	03-Jun-25	04-Jun-25			■												
A1120	Place Aggregate Shoulder	Task Depender	1.0	05-Jun-25	05-Jun-25			■												
24-15.3 Stage 2			41.0	06-Jun-25	01-Aug-25	01-Aug-25, 24-15.3 Stage 2														
A1150	Place Traffic Control	Task Depender	4.0	06-Jun-25	11-Jun-25			■												
A1160	Remove Bit Pavement	Task Depender	3.0	12-Jun-25	16-Jun-25			■												
A1170	Grub Stumps	Task Depender	1.0	17-Jun-25	17-Jun-25			■												
A1180	Excavate Soils	Task Depender	7.0	18-Jun-25	26-Jun-25			■												
A1190	Construct Embankment	Task Depender	7.0	23-Jun-25	01-Jul-25			■												
A1200	Install Storm Sewer	Task Depender	4.0	02-Jul-25	07-Jul-25			■												
A1210	Place Aggregate Base	Task Depender	4.0	08-Jul-25	11-Jul-25			■												
A1220	Tolerance Aggregate Base	Task Depender	2.0	14-Jul-25	15-Jul-25			■												
A1230	Pave Bituminous	Task Depender	3.0	16-Jul-25	18-Jul-25			■												
A1235	Energize Lighting	Task Depender	3.0	21-Jul-25	23-Jul-25			■												
A1237	Mill Rumble Strips	Task Depender	1.0	24-Jul-25	24-Jul-25			■												
A1238	Stripe Roadway	Task Depender	2.0	25-Jul-25	28-Jul-25			■												
A1240	Install Landscaping	Task Depender	2.0	29-Jul-25	30-Jul-25			■												
A1250	Place Aggregate Shoulder	Task Depender	1.0	31-Jul-25	31-Jul-25			■												
A1260	Open Roadway to Traffic	Finish Mileston	0.0		01-Aug-25			◆												

■ Remaining Work

■ split bar

■ % Complete

■ Critical Remaining Work

◆ Milestone

■ Summary

Page 1 of 1

TASK filter: All Activities

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Prepared By: Nathan Sondrol, Community Development Director

Presenter: Nathan Sondrol, Community Development Director

Date: 03/05/2025

Board & Commission: City Council

Subject: Consider Approval of Building Replacement Space of Public Works Building

Background/Overview

The City Council authorized city staff to market the "old fire station" building and adjacent lot at 38971 Forest Blvd for sale at the January 14th, 2025 meeting. The City currently utilizes the building for the storage of city staff vehicles, public works equipment and vehicles. The Council authorized the sale of the building with the understanding that the proceeds from the sale of the building would be utilized to allow for construction of a larger post frame building at the city's wastewater treatment plant.

The public works director has received quotes for the construction of the post frame building at the wastewater treatment plant and has been informed that the quotes are only valid through March 17 and that pricing will be increasing after that as a result of the imposed tariffs.

City staff are requesting approval of authorization for the use of an inter-fund loan to take advantage of the costs prior to increases and to pay this back with the sale of the property at 38791 Forest Blvd.

The city has received multiple inquiries and conducted several showings of the property to date. The approval of the inter-fund loan to allow for the construction of the building at the wastewater plant would also allow for less potential storage of existing equipment within the building being stored outside in the elements in the event of a sale of the building.

Requested Action

City staff is requesting approval of an inter-fund loan not to exceed \$365,000.

Attachments:

Voting Requirements:

Voting Options Simple Majority



Prepared By: Matthew Hill, City Administrator

Presenter: Matthew Hill, City Administrator

Date: 03/05/2025

Board & Commission: City Council

Subject: Consider approval of the hiring of Travis Miles as the Human Resources Generalist for the City of North Branch

Background:

The City Council approved the position of Human Resources Generalist for the City of North Branch and funding has been provided in the City's budget. The City Council has approved the Job Description. The position was posted in the official newspaper and on the League of Minnesota Cities website, along with the City of North Branch's Facebook page and website. 27 applications were received and scored by the hiring committee, who included Matthew Hill, City Administrator; Sharon Wright, Finance Director; Dan Meyer, Chief of Police; and Rich Meyer, Building Inspector, using a points-based system.

The applicants with the highest scores were asked to participate in an interview. Interviews were offered to seven candidates. The hiring committee held the interviews over a two-day period on February 26 and 27.

Mr. Travis Miles was identified as the top candidate for the position by the hiring committee, based on the fact that he had the highest-scoring candidate application, a Bachelors Degree, and 8+ years in Human Resources and Leadership positions. His interview was considered the most professional and materially relevant of all those interviewed. He used real work experiences to articulate his knowledge of HR-related business and management.

Staff recommendation:

The hiring committee unanimously recommends the City Council approve Travis Miles as the new Human Resources Generalist for the City of North Branch at a pay rate of \$36.05/hour.

City Council request for Action:

Motion to approve the hiring of Travis Miles as the Human Resources Generalist for the City of North Branch.

Voting Requirements:

Voting Options Simple Majority



Prepared By: Matthew Hill, City Administrator

Presenter: Matthew Hill, City Administrator

Date: 03/04/2025

Board & Commission: City Council

Subject: Consider approval of Resolution # R-159-2025 Accepting Council Member Resignation and Declaring a Vacancy.

As Travis Miles has been approved for employment within City Hall at the City of North Branch, he can no longer serve as an elected official on the City Council. The attached resolution accepts Travis Miles's resignation and declares a vacancy on the City Council. The City Council can advertise and post the vacancy on the City Council and accept applications for review and ultimately appointment by the City Council to the rest of the term of that seat.

MN Statute 412.02 - Subd. 2a. **Vacancy.** Except as otherwise provided in subdivision 2b, a vacancy in an office shall be filled by council appointment until an election is held as provided in this subdivision. In case of a tie vote in the council, the mayor shall make the appointment. If the vacancy occurs on or after the first day to file affidavits of candidacy for the regular city election or when less than two years remain in the unexpired term, there need not be a special election to fill the vacancy and the appointed person shall serve until the qualification of a successor.

Recommended action by City Council: Motion and Second to approve Resolution # R-159-2025 accepting the resignation of Travis Miles and declaring a vacancy on the City Council.

Potential follow up direction for staff: Post the open City Council position with a deadline for applications of March 28, 2025, whereas the City Council will receive the applications at the April 8 meeting for appointment via Council vote.

Voting Requirements:

Voting Options Simple Majority

**CITY OF NORTH BRANCH
COUNTY OF CHISAGO
RESOLUTION NO. R-159-2025**

A RESOLUTION ACCEPTING RESIGNATION AND DECLARING A VACANCY.

WHEREAS, the North Branch City Council has received the written resignation of Travis Miles, effective on March 11, 2025.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH BRANCH, MINNESOTA AS FOLLOWS:

1. The council accepts Travis Miles' resignation as described above.

The council declares that a vacancy exists on council effective on March 11, 2025.

Passed by the City Council of North Branch, Minnesota this 11th day of March 2025

Mayor

Attested:

City Administrator