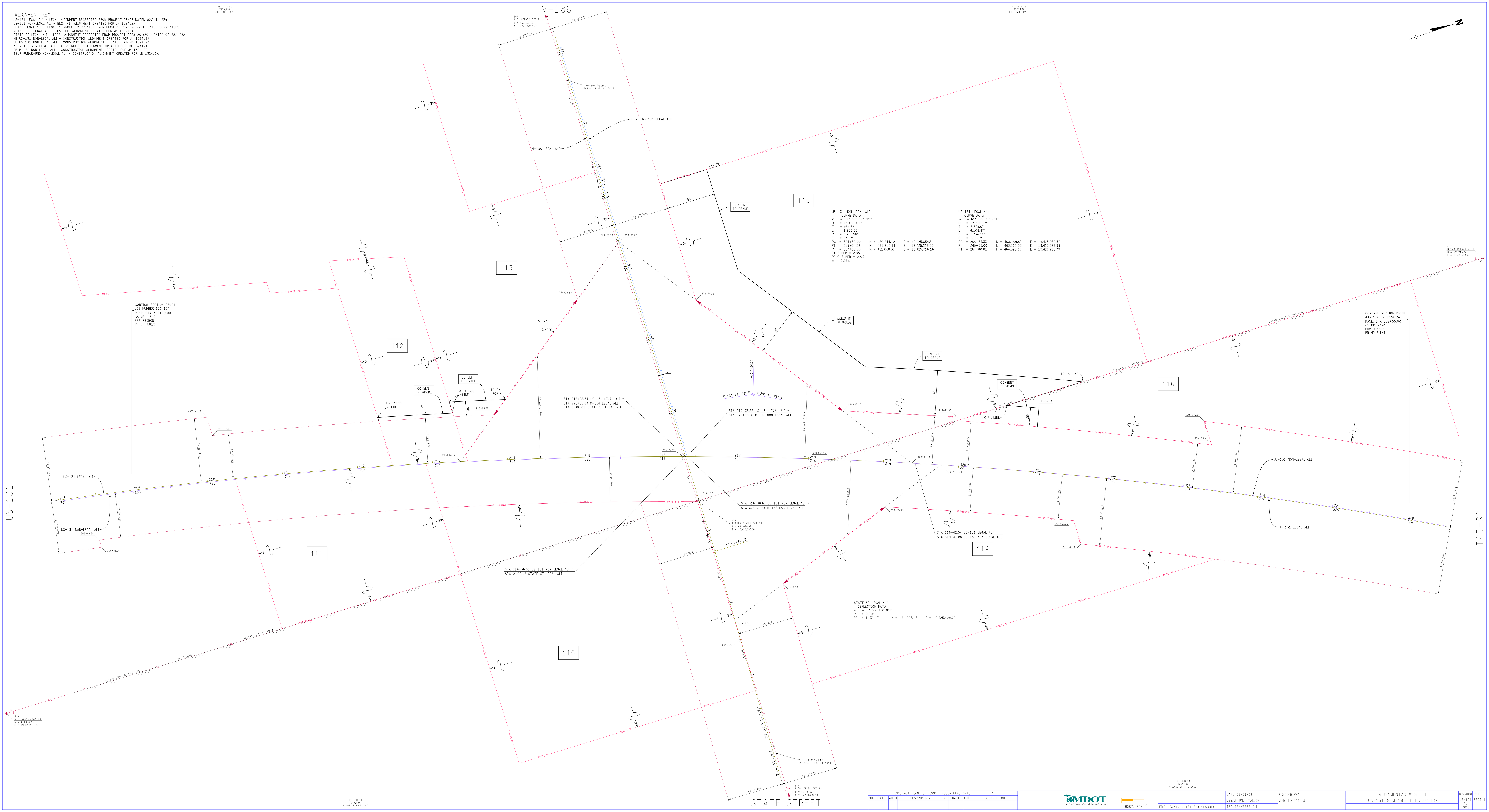
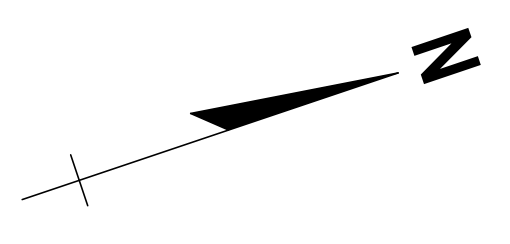


ALIGNMENT KEY
US-131 LEGAL ALI - LEGAL ALIGNMENT RECREATED FROM PROJECT 28-28 DATED 02/14/1993
US-131 NON-LEGAL ALI - BEST FIT ALIGNMENT CREATED FOR JN 132412A
M-186 LEGAL ALI - LEGAL ALIGNMENT RECREATED FROM PROJECT 8528-20 (2001) DATED 06/28/1992
M-186 NON-LEGAL ALI - BEST FIT ALIGNMENT CREATED FOR JN 132412A
STATE ST LEGAL ALI - LEGAL ALIGNMENT RECREATED FROM PROJECT 8528-20 (2001) DATED 06/28/1992
NB US-131 NON-LEGAL ALI - CONSTRUCTION ALIGNMENT CREATED FOR JN 132412A
SB US-131 NON-LEGAL ALI - CONSTRUCTION ALIGNMENT CREATED FOR JN 132412A
WB M-186 NON-LEGAL ALI - CONSTRUCTION ALIGNMENT CREATED FOR JN 132412A
EB M-186 NON-LEGAL ALI - CONSTRUCTION ALIGNMENT CREATED FOR JN 132412A
TEMP RUMABOUND NON-LEGAL ALI - CONSTRUCTION ALIGNMENT CREATED FOR JN 132412A

SECTION 11
TALLON
FILE LINE TYP.

SECTION 11
TALLON
FILE LINE TYP.

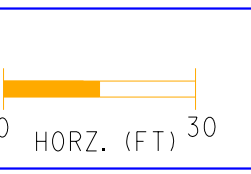


US-131 NON-LEGAL ALI
CURVE DATA
Δ = 19° 30' 00" (RT)
D = 1" 50' 57"
T = 984.52'
L = 1950.00'
R = 5729.58'
E = 89.97'
PC = 307+50.00 N = 460.244.12 E = 19,425.054.31
PT = 317+94.52 N = 461.213.11 E = 19,425.228.50
PI = 327+00.00 N = 462.068.38 E = 19,425.716.16
EX SUPER = 2.85
PROF SUPER = 2.85
Δ = 0.36%

US-131 LEGAL ALI
CURVE DATA
Δ = 61° 00' 32" (RT)
D = 0" 59' 57"
T = 3378.67'
L = 6106.47'
R = 5734.81'
E = 901.97'
PC = 206+74.33 N = 460.169.87 E = 19,425.039.70
PT = 240+53.00 N = 463.502.03 E = 19,425.096.38
PI = 267+80.81 N = 464.628.35 E = 19,428.783.79

STATE ST LEGAL ALI
DEFLECTION DATA
Δ = 17° 03' 10" (RT)
R = 0.00'
PI = 1+32.17 N = 461,097.17 E = 19,425,409.60

FINAL ROW PLAN REVISIONS		SUBMITTAL DATE:	
NO.	DATE	AUTH.	DESCRIPTION



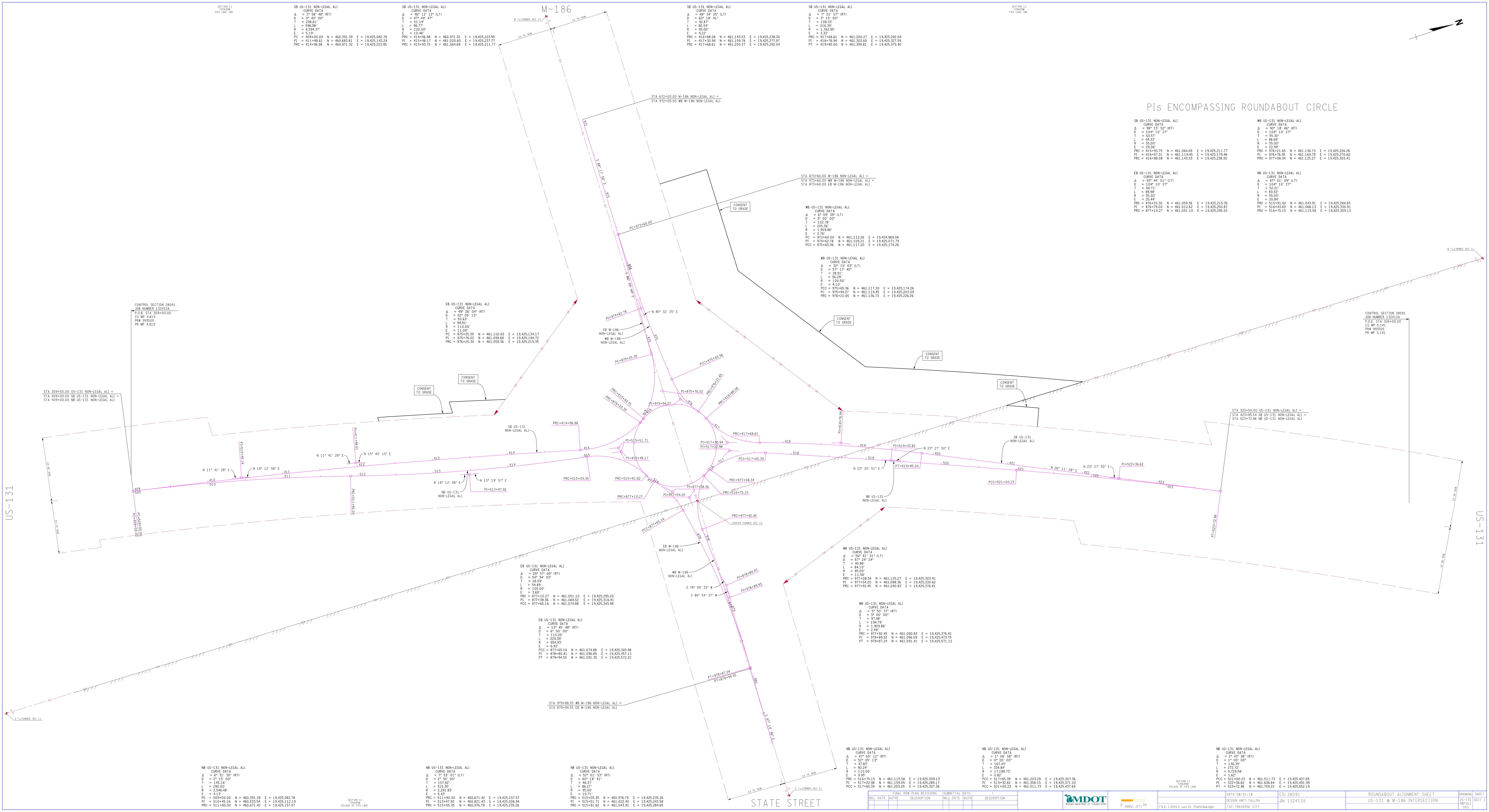
SECTION 11
VILLAGE OF FIRE LANE

DATE: 08/31/18
DESIGN UNIT: TALLON
TSC: TRAVERSE CITY

CS: 28091
JN: 132412A

ALIGNMENT/ROW SHEET
US-131 @ M-186 INTERSECTION

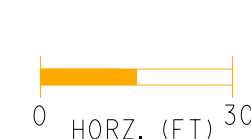
DRAWING SHEET
US-131 SECT 1
ALI
001



PIs ENCOMPASSING ROUNDABOUT CIRCLE

SB US-131 NON-LEGAL ALI CURVE DATA Δ = 38° 15' 52" (RT) D = 104° 10' 27" T = 63.57' L = 84.33' R = 55.00' E = 29.06' PRC = 415+93.75 N = 461.064.69 E = 19,425.211.77 PI = 416+97.31 N = 461.113.45 E = 19,425.178.48 PCC = 416+88.08 N = 461.143.53 E = 19,425.238.30	WB US-131 NON-LEGAL ALI CURVE DATA Δ = 30° 18' 46" (RT) D = 104° 10' 27" T = 55.30' L = 84.69' R = 55.00' E = 22.99' PRC = 976+21.65 N = 461.136.73 E = 19,425.226.26 PI = 976+16.95 N = 461.169.19 E = 19,425.210.60 PCC = 977+08.34 N = 461.125.27 E = 19,425.303.41
EB US-131 NON-LEGAL ALI CURVE DATA Δ = 33° 44' 01" (LT) D = 104° 10' 27" T = 58.11' L = 89.98' R = 55.00' E = 25.44' PRC = 876+20.30 N = 461.059.36 E = 19,425.215.35 PI = 876+19.00 N = 461.012.62 E = 19,425.250.87 PCC = 877+10.27 N = 461.051.10 E = 19,425.295.20	NB US-131 NON-LEGAL ALI CURVE DATA Δ = 87° 01' 09" (LT) D = 104° 10' 27" T = 52.21' L = 83.53' R = 55.00' E = 20.84' PRC = 515+01.62 N = 461.043.91 E = 19,425.284.65 PI = 516+43.83 N = 461.068.13 E = 19,425.330.51 PCC = 516+15.15 N = 461.115.58 E = 19,425.309.13

NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (RT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 509+00.00 N = 460.391.39 E = 19,425.082.78 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57		NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (LT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57		NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (RT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57		NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (LT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57	
NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (RT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57		NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (LT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57		NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (RT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57		NB US-131 NON-LEGAL ALI CURVE DATA Δ = 4° 31' 30" (LT) D = 2° 15' 00" T = 145.16' L = 230.00' R = 2,546.48' E = 4.13' PRC = 511+90.00 N = 460.671.42 E = 19,425.191.57 PI = 510+45.16 N = 460.533.54 E = 19,425.112.19 PCC = 511+90.00 N = 460.671.42 E = 19,425.191.57	



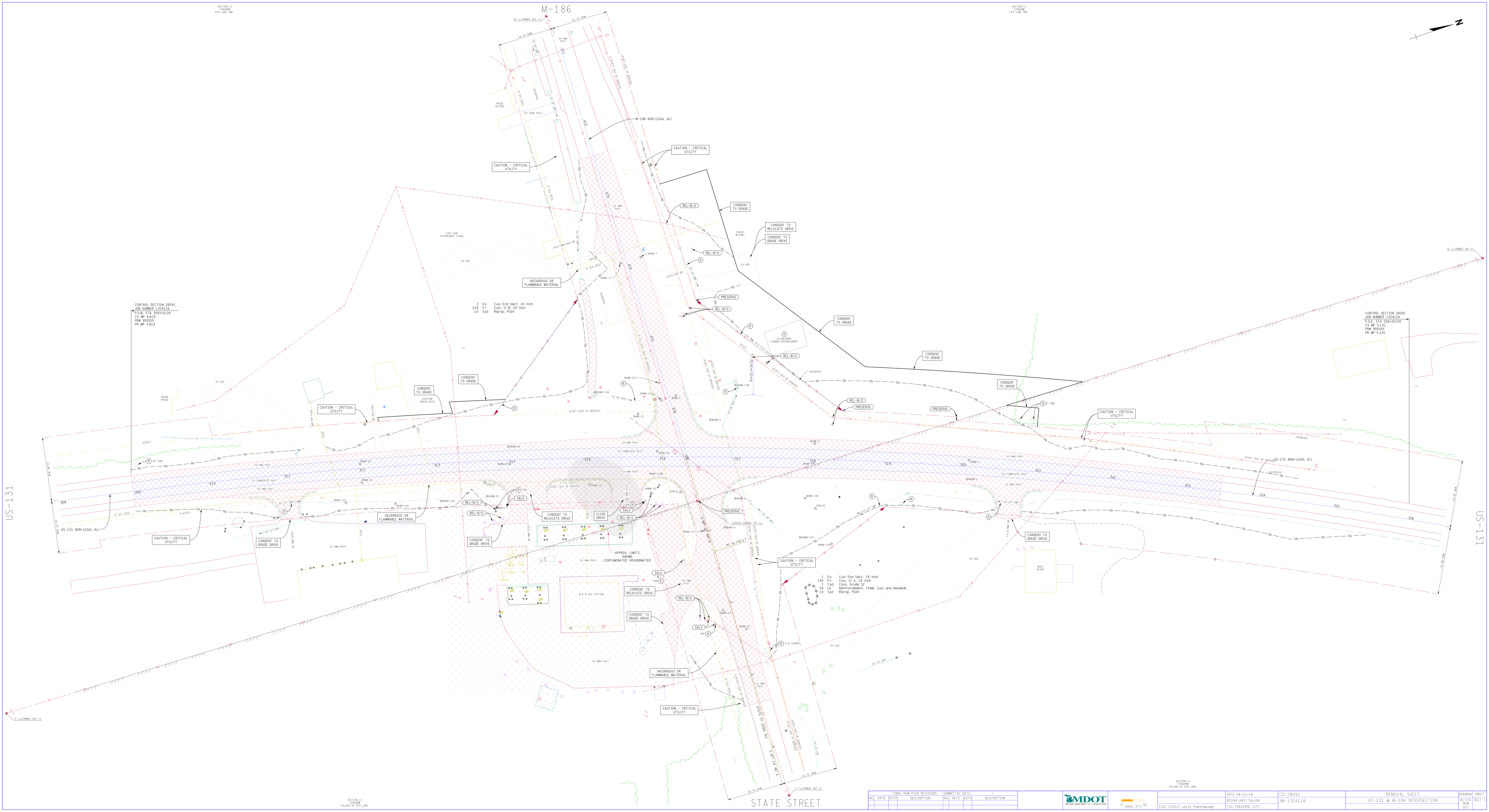
SECTION 11
VILLAGE OF FIFE LAKE

DATE: 08/31/18
DESIGN UNIT: TALLON
TSC: TRAVERSE CITY

CS: 28091
JUN 13/24/12A

ROUNDABOUT ALIGNMENT SHEET
US-131 @ M-186 INTERSECTION

DRAWING SHEET
US-131 SECT 1
001



US-131

US-131

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA. 308+00.00
CS MP 5.141
PRM 993505
PR MP 4.819

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA. 326+00.00
CS MP 5.141
PRM 993505
PR MP 5.141

SECTION 11
TALLON
VILLAGE OF FIVE LAKE

SECTION 11
TALLON
VILLAGE OF FIVE LAKE

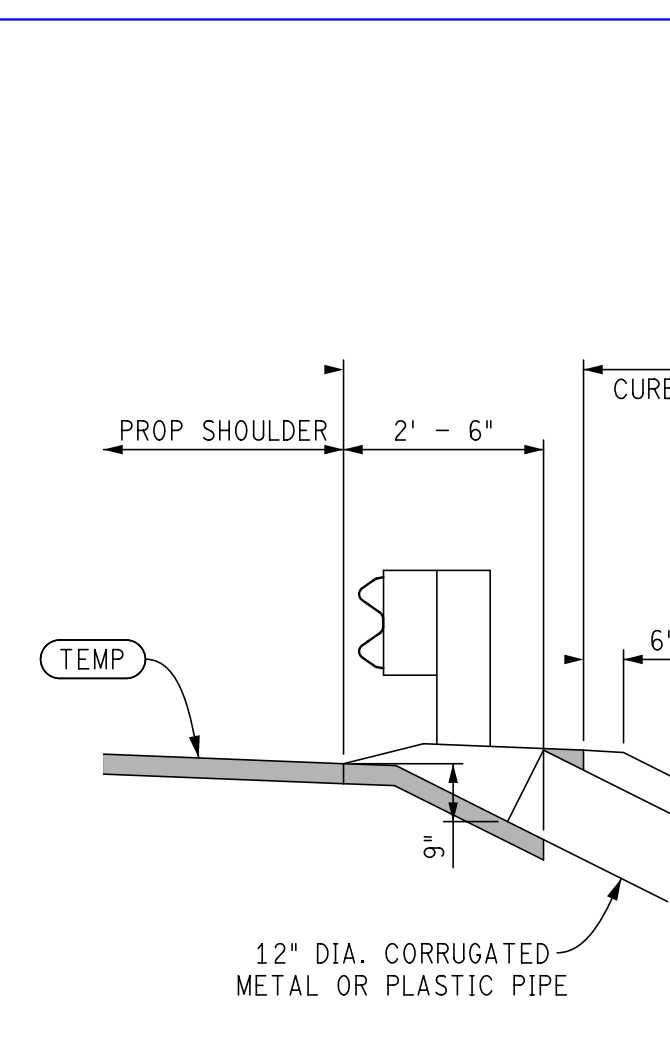
NO. DATE		FINAL ROW PLAN REVISIONS	SUBMITTAL DATE:	
AUTH		DESCRIPTION	AUTH	



0 HORIZ. (FT) 10

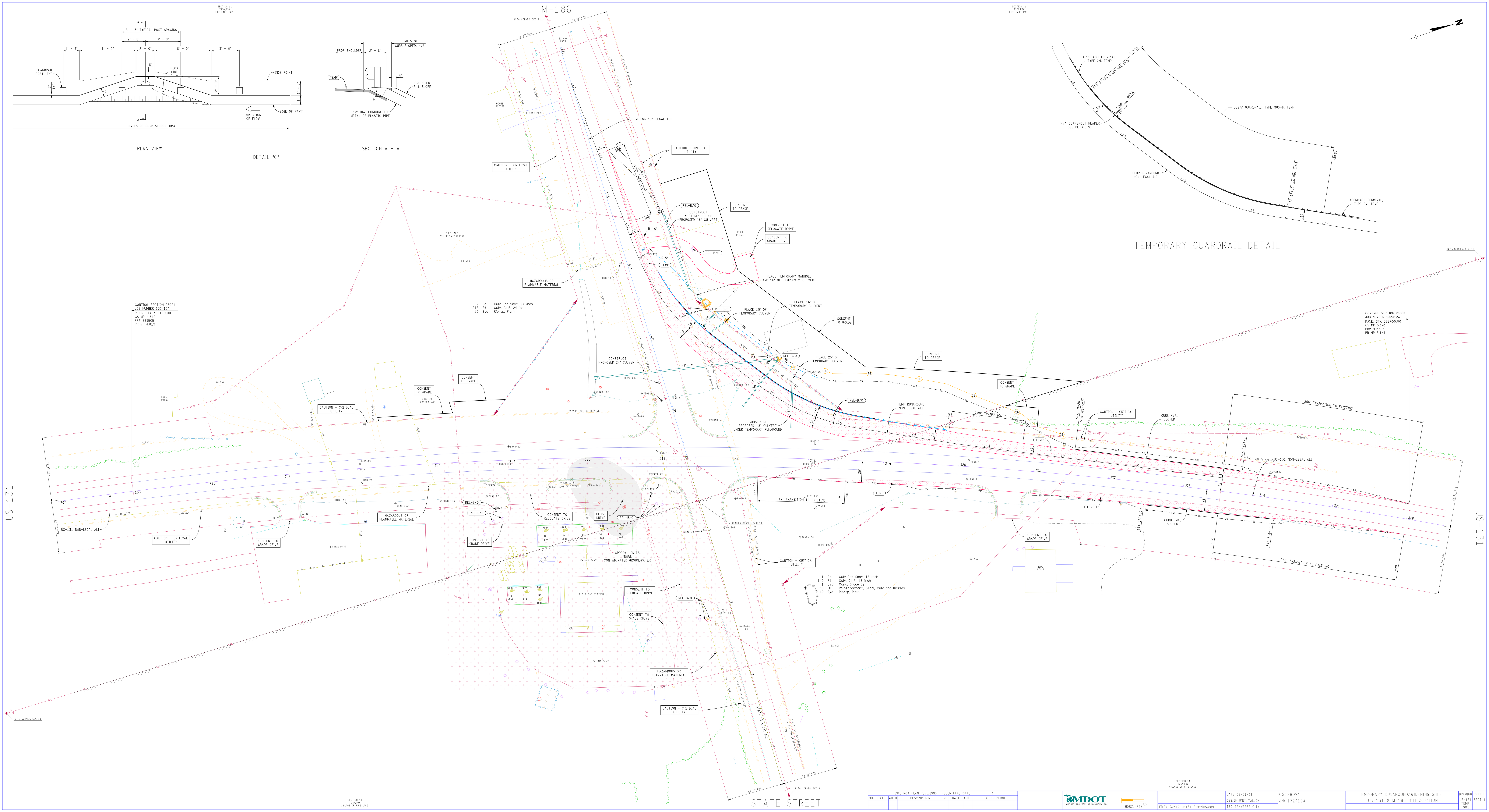
DATE: 08/31/18	CS: 28091
DESIGN UNIT: TALLON	JN: 132412A
TSC: TRAVERSE CITY	

REMOVAL SHEET		DRAWING SHEET
US-131 @ M-186 INTERSECTION		US-131 SECT 1
		REV 001



DETAIL "C"

SECTION A - A



TEMPORARY GUARDRAIL DETAIL

US-131

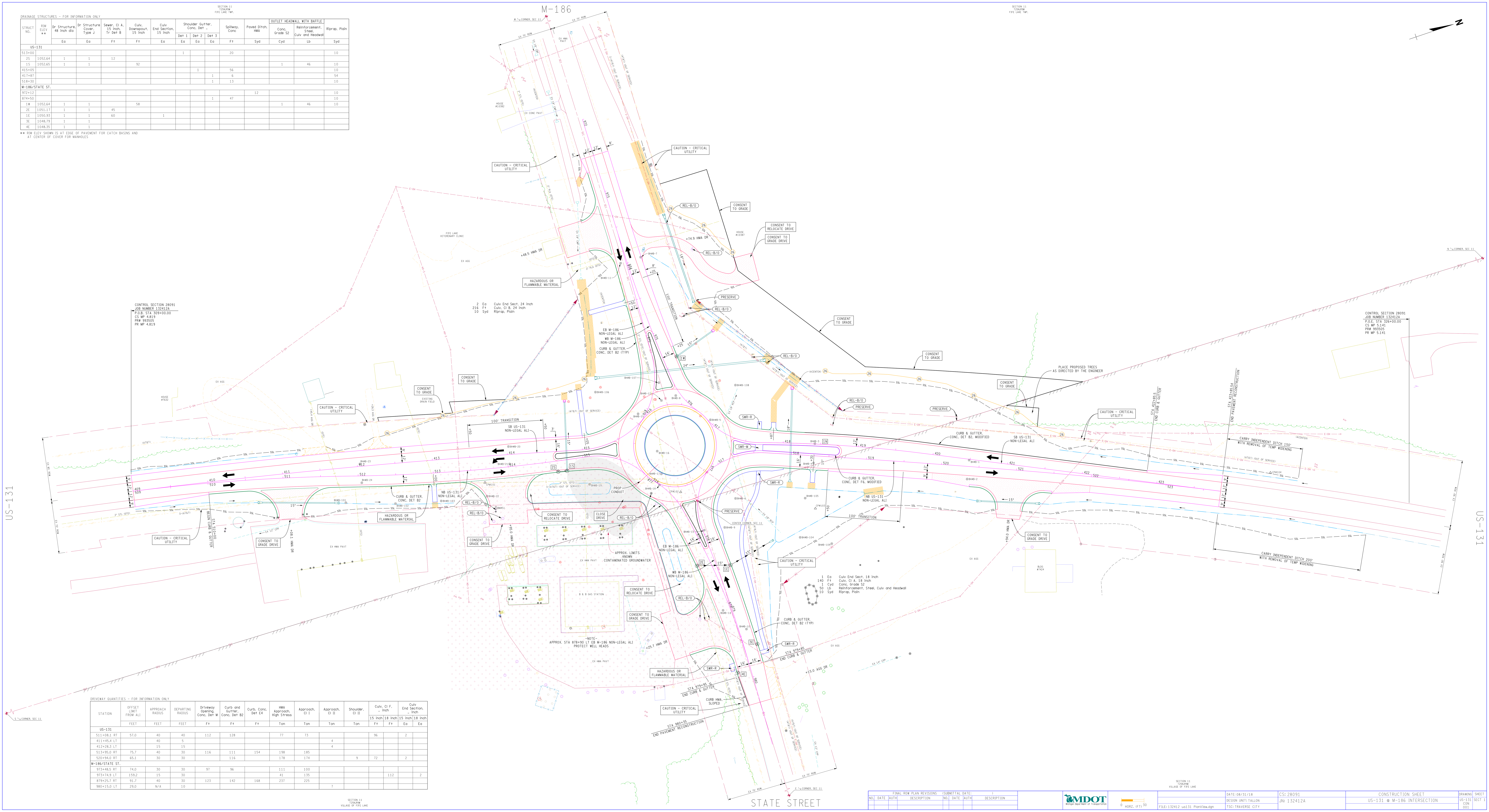
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TEMPORARY RUNAROUND/WIDENING SHEET
US-131 @ M-186 INTERSECTION

DRAWING	SHEET
US-131 TEMP 001	SECT 1

DRAINAGE STRUCTURES - FOR INFORMATION ONLY														
STRUCT NO.	RIM ELEV. **	Dr. Structure, 48 inch dia	Dr. Structure Cover, Type J	Sewer, CI A, 15 inch, 17' Det. B	Culv. Downspout, 15 inch	Culv End Section, 15 inch	Shoulder Gutter, Conc. Det. -			Spillway, Conc.	Paved Ditch, HMA	OUTLET HEADWALL WITH BAFFLE		Riprap, Plain
							Det 1	Det 2	Det 3			Conc. Groove S2	Reinforcement- Steel Culv and Headwall	
		Ea	Ea	Ft	Ft		Ea	Ea	Ea	Ft	Syd	Cyd	Lb	Syd
US-131														
513+00							1			20				10
2S	1052.64	1	1	12										
1S	1052.65	1	1		92							1	46	10
415+05								1		6				10
417+87									1	56				54
518+30									1	13				10
M-186/STATE ST.														
972+12											12			10
874+50									1	47				10
1W	1052.64	1	1		58							1	46	10
2E	1051.17	1	1	45										
1E	1050.93	1	1	60		1								
3E	1048.79	1	1											
4E	1048.35	1	1											

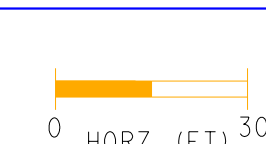
** RIM ELEV. SHOWN IS AT EDGE OF PAVEMENT FOR CATCH BASINS AND AT CENTER OF COVER FOR MANHOLES



DRIVEWAY QUANTITIES - FOR INFORMATION ONLY																	
STATION	OFFSET LIMIT FROM ALL	APPROACH RADIUS	DEPARTING RADIUS	Driveway Opening, Conc. Det M		Curb and Gutter, Conc. Det B2		Curb, Conc. Det F4		HMA Approach, High Stress	Approach, CI I	Approach, CI II	Shoulder, CI II	Culv. CI F, 15 inch 18 inch 15 inch 18 inch			
				Ft	Ft	Ft	Ft	Ton	Ton					Ton	Ton	Ft	Ft
US-131																	
511+08.1 RT	57.0	40	40	112	128				77	73				96		2	
411+45.4 LT		40	5									4					
412+28.3 LT		15	15									4					
513+95.0 RT	75.7	40	30	116	111	154	198	185									
520+94.0 RT	65.1	30	30		116		178	174					9	72		2	
M-186/STATE ST.																	
973+48.5 RT	74.0	30	30	97	96			111	100								
973+14.9 LT	159.2	15	30				41	135						112		2	
879+25.7 RT	91.7	40	30	123	142	168	237	225									
980+15.0 LT	29.0	N/A	10								7						

SECTION 11
TYPICAL
VILLAGE OF FINE LAKE

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

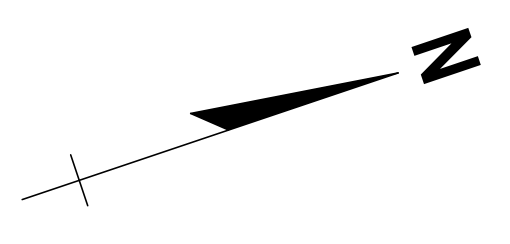


SECTION 11
TYPICAL
VILLAGE OF FINE LAKE

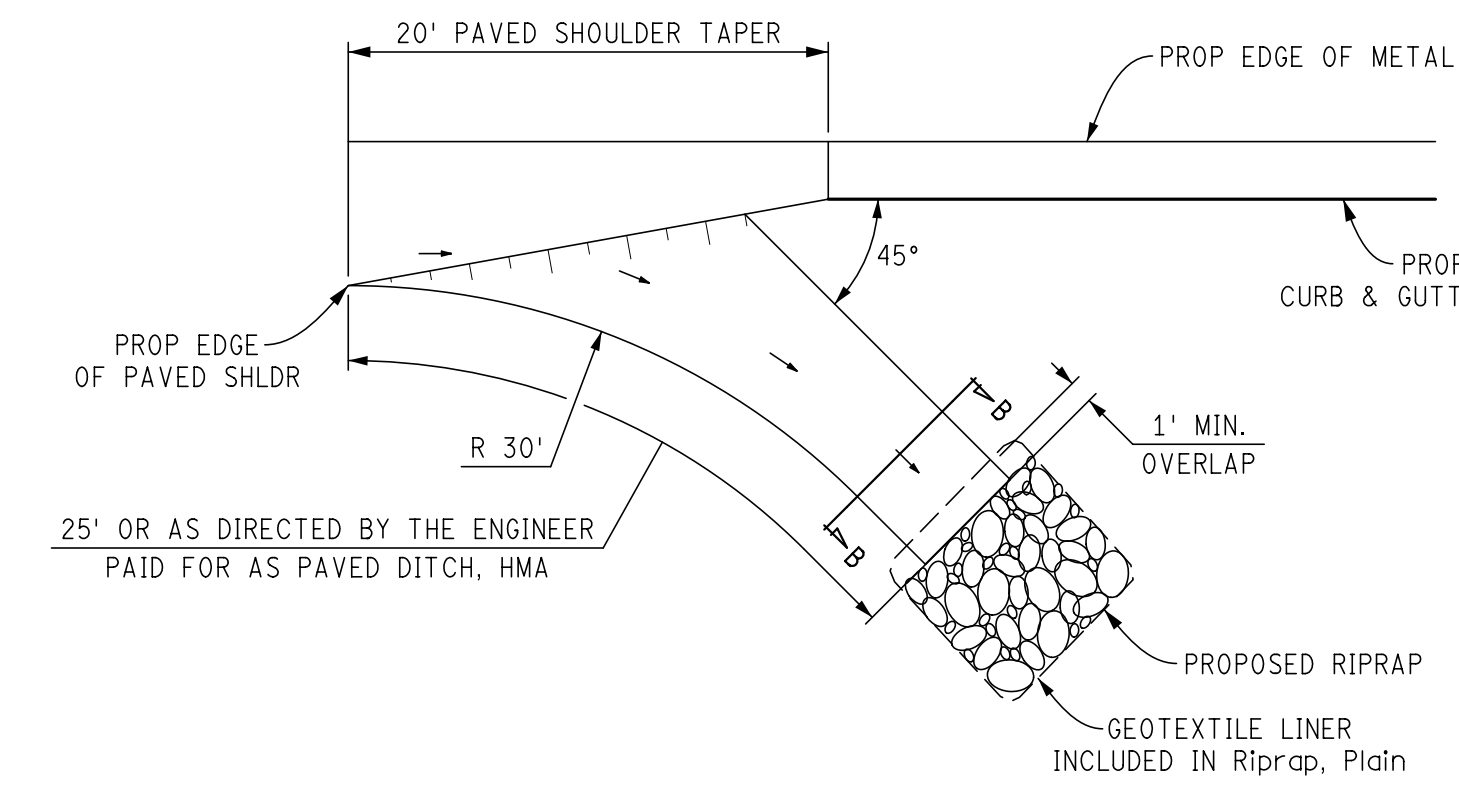
DATE: 08/31/18	CS: 28091
DESIGN UNIT: TALLON	JUN 132412A
TSC: TRAVERSE CITY	

CONSTRUCTION SHEET
US-131 @ M-186 INTERSECTION

DRAWING SHEET
US-131 SECT 1

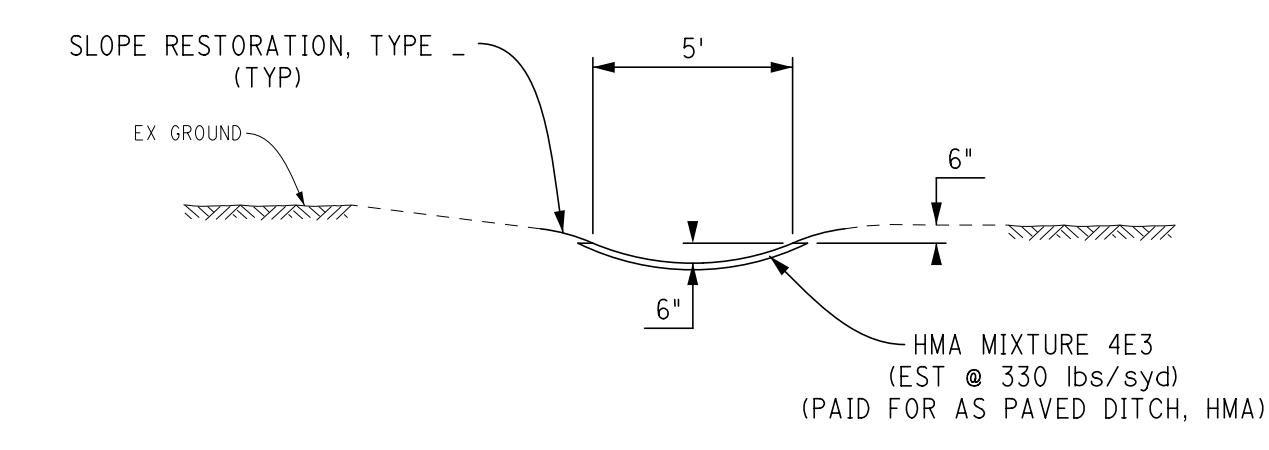


NOTE-
THE HMA SPILLWAY SHALL BE BUILT TO THE LEVELING COURSE
ELEVATION ADJACENT TO THE PROPOSED PAVED SHOULDER.
FEATHERING OF THE TOP COURSE WILL BE REQUIRED FOR PLACEMENT.

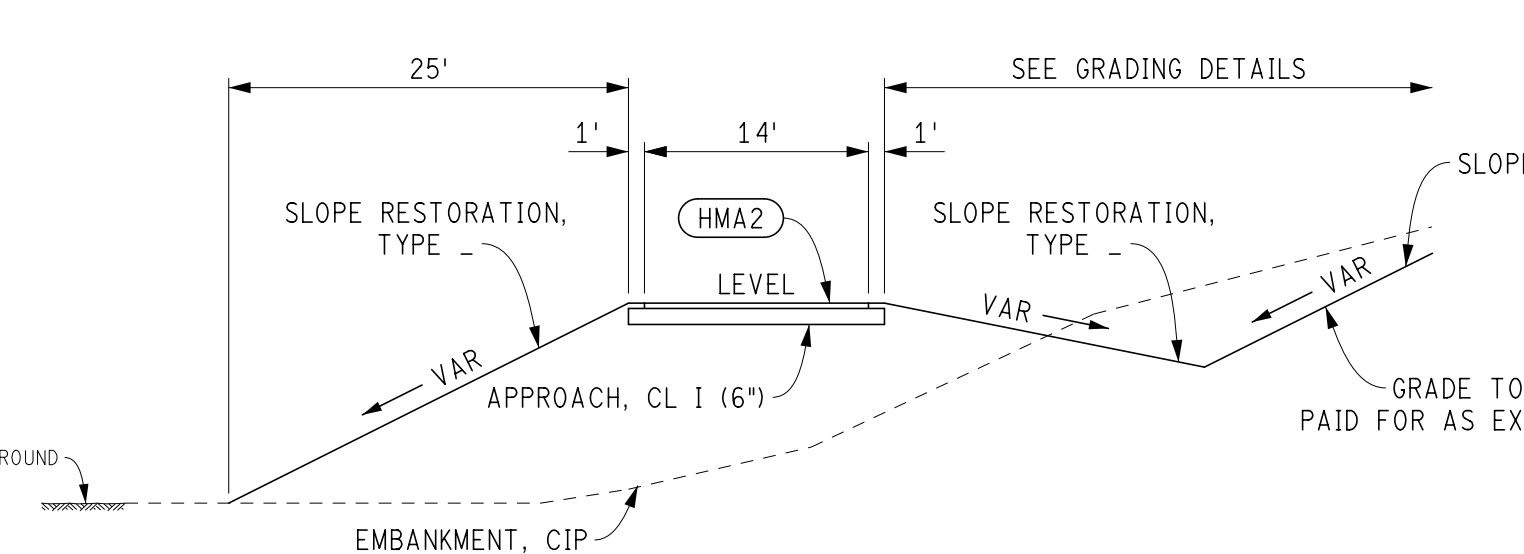


PLAN VIEW

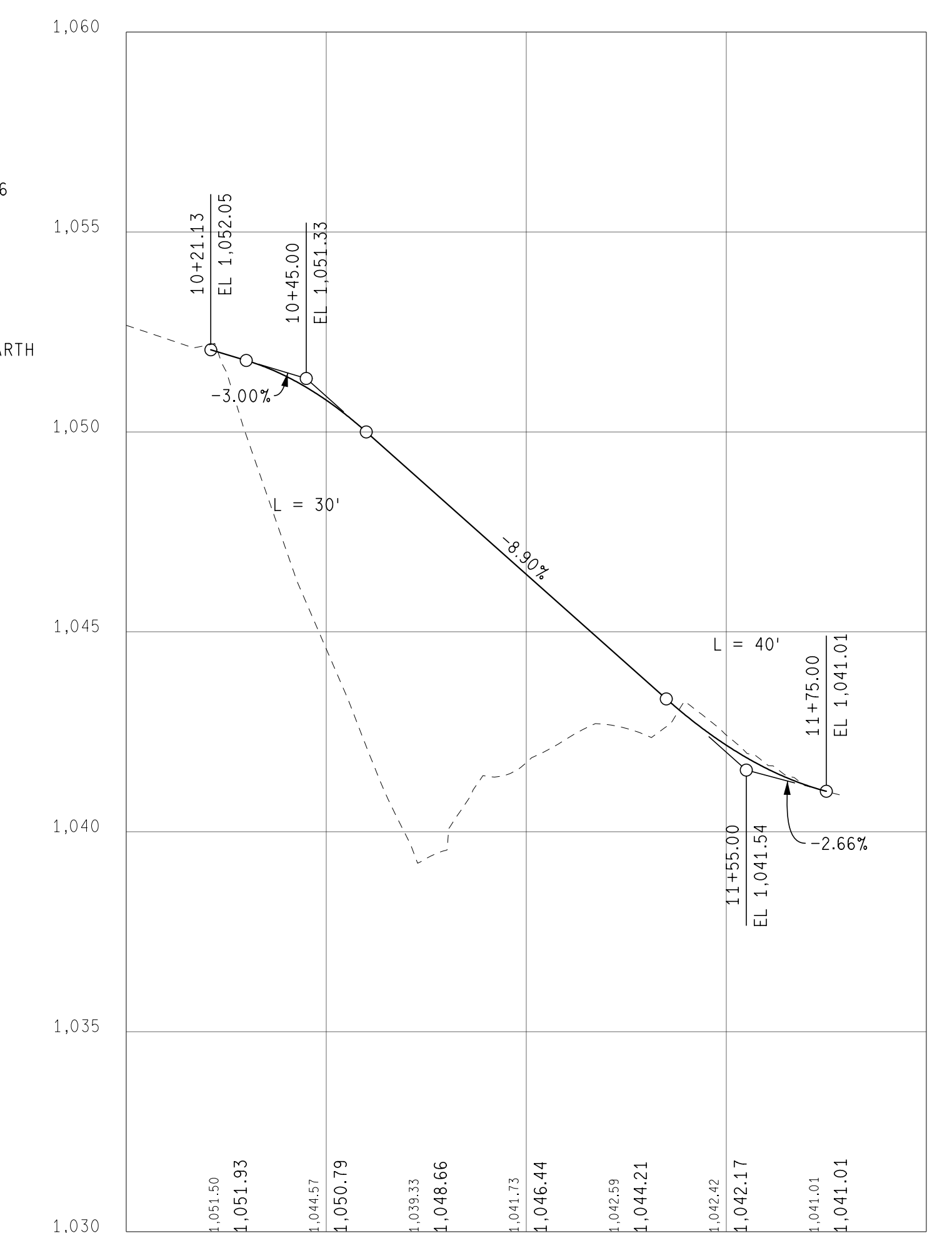
DETAIL "B"



SECTION B - 8



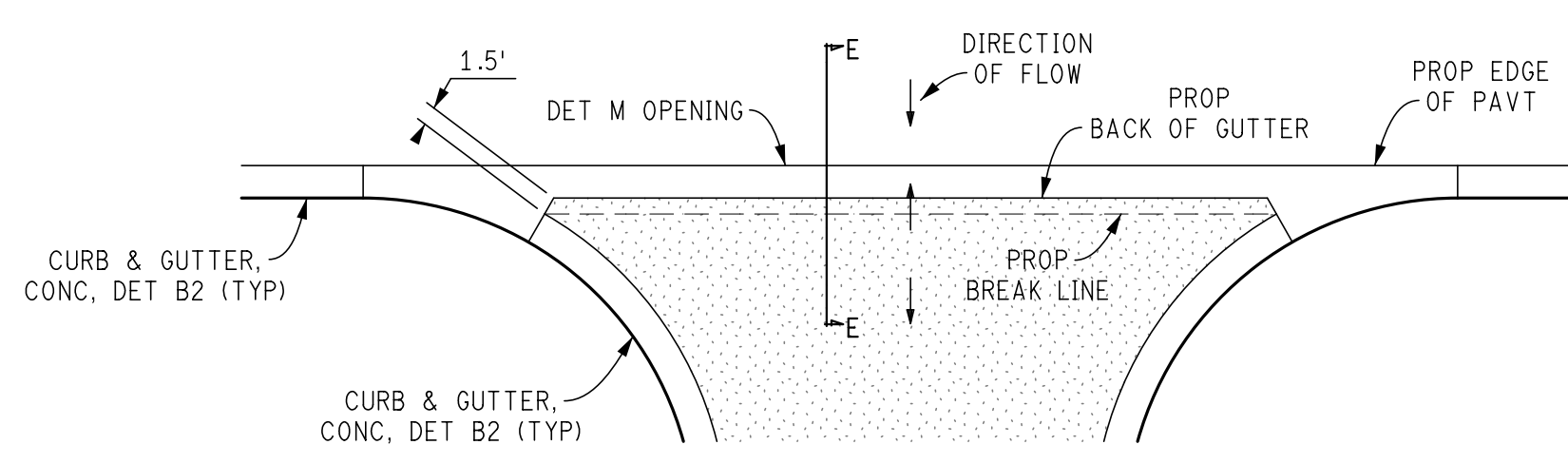
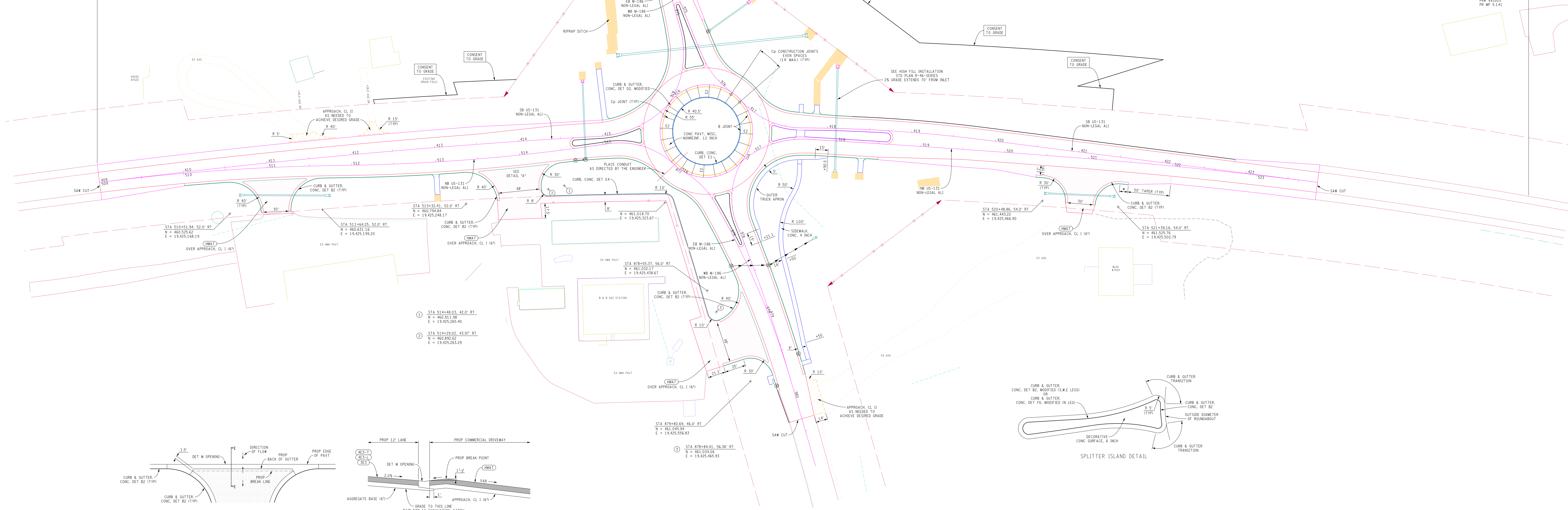
RESIDENTIAL DRIVEWAY TYPICAL SECTION



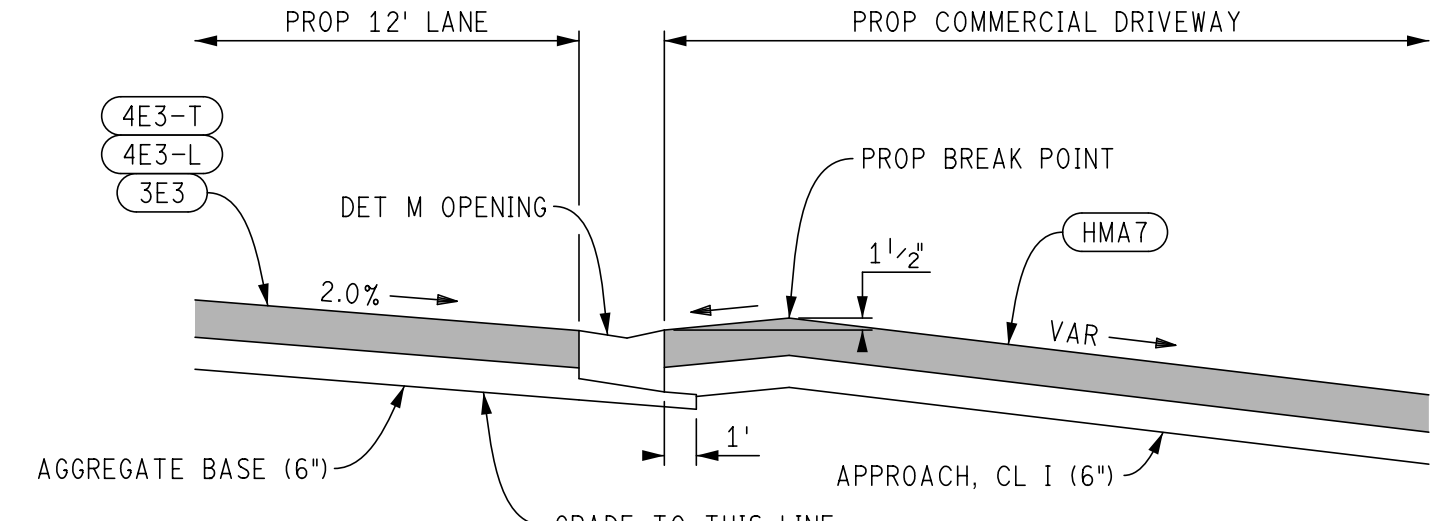
RESIDENTIAL DRIVEWAY PROFILE

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA. 328+00.00
CS MP 5.141
PRM 993505
PR MP 5.141

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA. 328+00.00
CS MP 5.141
PRM 993505
PR MP 5.141



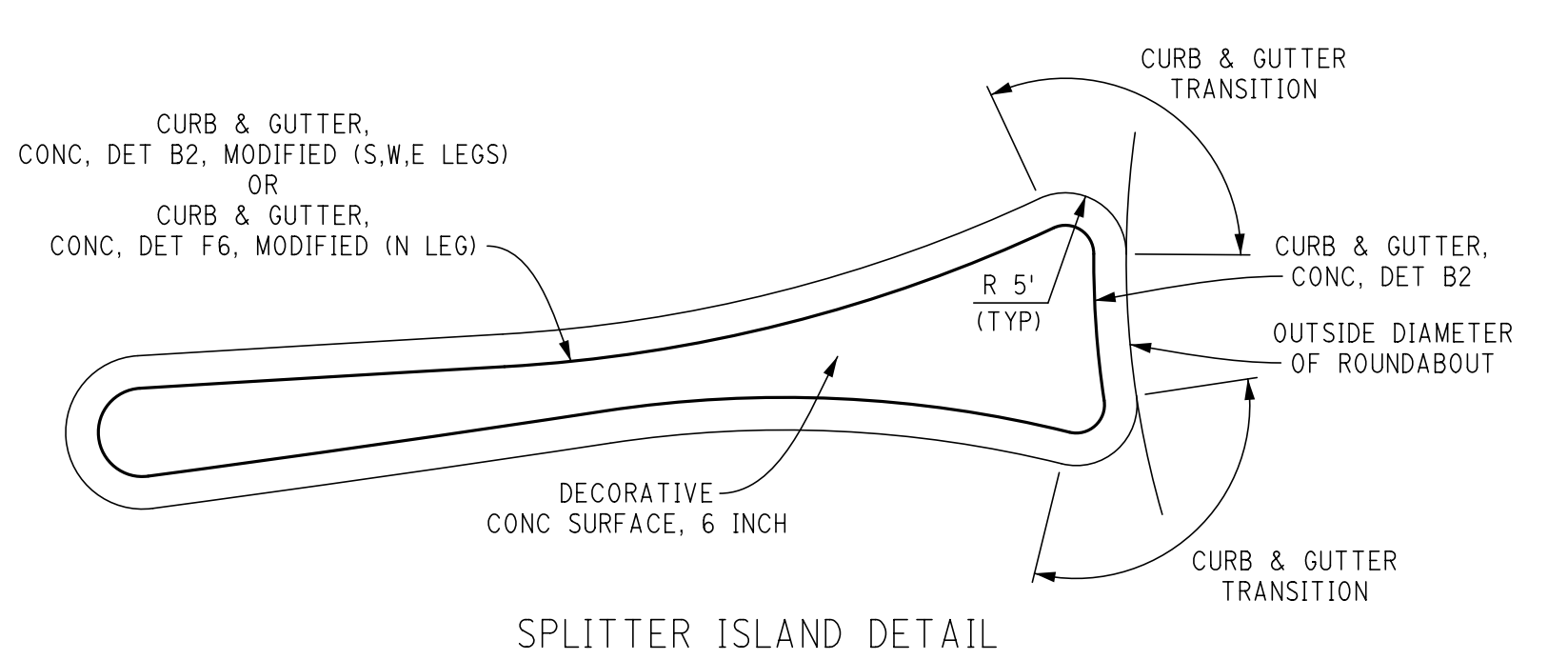
PLAN VIEW



DETAIL "A"

- ① STA 514+48.03, 42.0' RT
N = 460.311.38
E = 19.425.246.40
- ② STA 514+29.02, 43.97' RT
N = 460.892.40
E = 19.425.263.29

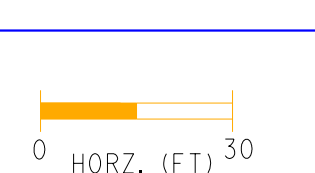
- ③ STA 878+84.41, 56.36' RT
N = 461.034.06
E = 19.425.465.93



SPLITTER ISLAND DETAIL

STATE STREET

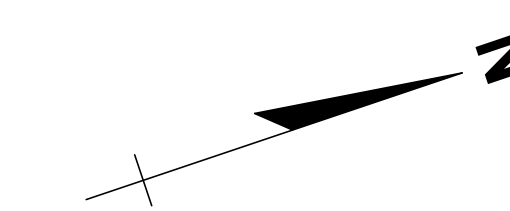
NO.	DATE	AUTH	DESCRIPTION
1	08/31/18	JAL	FINAL ROW PLAN REVISIONS
2	09/11/18	JAL	SUBMITTAL DATE



FILE: 132412 us131 PlanView.dgn

DATE: 08/31/18	CS: 28091
DESIGN UNIT: TALLON	JN: 132412A
TSC: TRAVERSE CITY	

MISCELLANEOUS DETAILS	DRAWING SHEET
US-131 @ M-186 INTERSECTION	US-131 SECT 1
	001



JS-131

US-131

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 309+00.00
CS MP 4.819
PR# 993505
PR MP 4.819

CONTROL SECTION 2809
JOB NUMBER 132412A
P.O.E. STA 326+00.00
CS MP 5.141
PR# 993505
PR MP 5.141

SECTION 11
T25N, R9W
VILLAGE OF FIVE LAKE

STATE STREET

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE: 1			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



A horizontal number line with tick marks at 0, 15, and 30. A bracket is drawn above the line from 0 to 15, with the text "1/2 of 30" written below it.

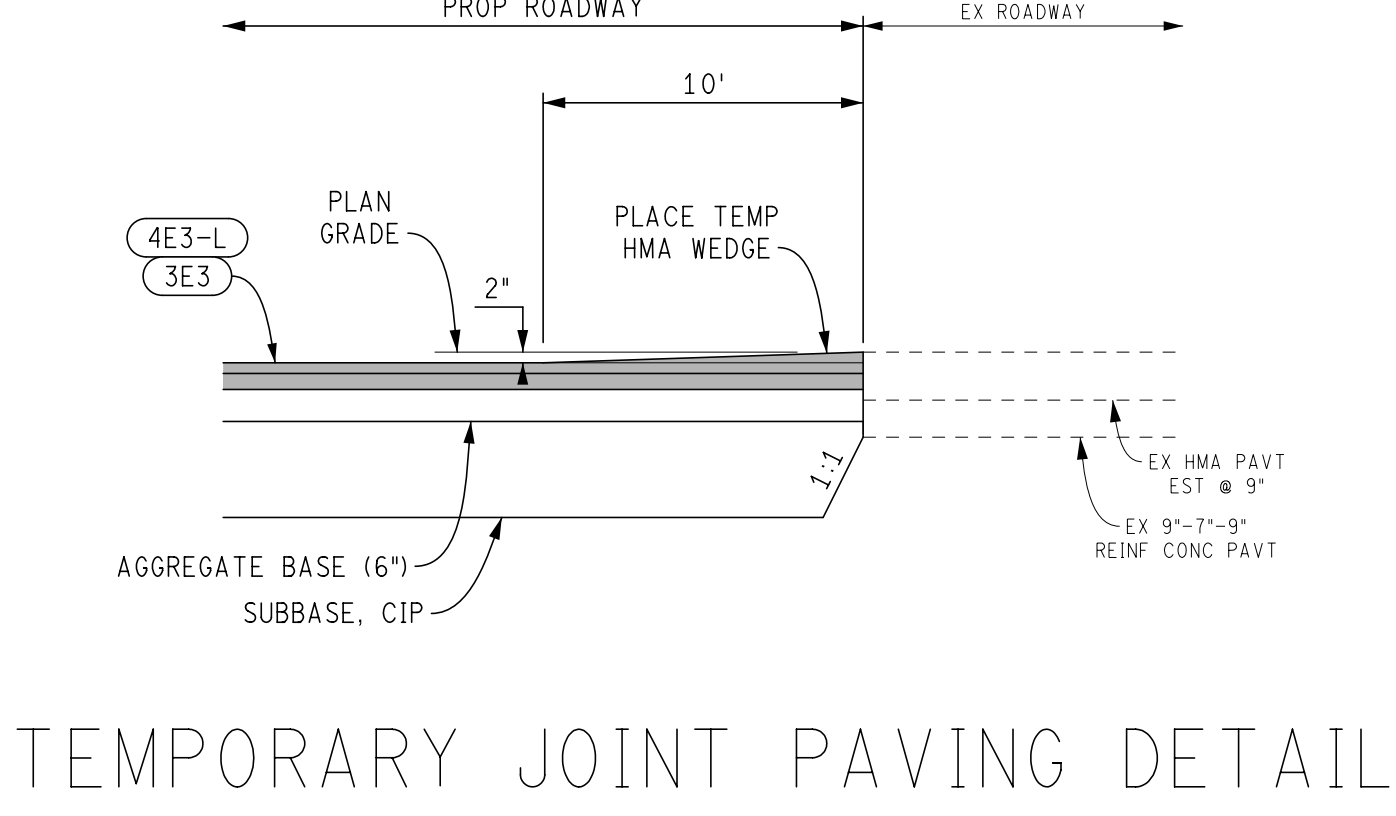
SECTION 11
T25N/R9W
VILLAGE OF FIFE LAKE

DATE: 08/31/18
DESIGN UNIT: TALL
TSC: TRAVERSE, C

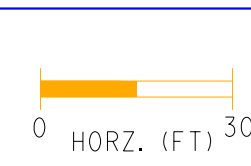
CS: 28091
JN: 132412A

MAINTAINING TRAFFIC SHEET
US-131 @ M-186 INTERSECTION
STAGE 1

DRAWING	SHEET
US-131	SECT 1
NOT	
001	



NO.	DATE	AUTH.	DESCRIPTION	NO.	DATE	AUTH.	DESCRIPTION



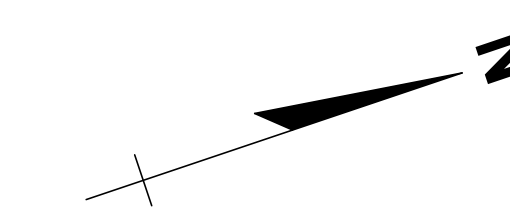
SECTION 11
TALLON
VILLAGE OF FIVE LAKE

DATE: 08/31/18
DESIGN UNIT: TALLON
TSC: TRAVERSE CITY

CS: 28091
JN: 132412A

MAINTAINING TRAFFIC SHEET
US-131 @ M-186 INTERSECTION
STAGE 2

DRAWING SHEET
US-131 SECT 1
MOJ 002



US-131

US-131

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 309+00.00
CS MP 4.819
PR# 993505
PR MP 4.819

CONTROL SECTION 280
JOB NUMBER 132412A
P.O.E. STA 326+00.00
CS MP 5.141
PR# 993505
PR MP 5.141

SECTION 11
T25N99W
VILLAGE OF FIVE LAKE

SECTION 21
T25N/R9W
VILLAGE OF FIVE LAKES

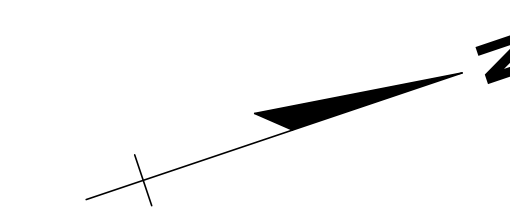
STATE STREET

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE: 1			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



0 H2R? (CT) 30

DATE: 08/31/18		CS: 28091	MAINTAINING TRAFFIC SHEET		DRAWING SHEET
DESIGN UNIT: TALLON		JN: 132412A	US-131 @ M-196 INTERSECTION		US-131 MD SECT
FILES: 132412A - 132412A_0100100.dwg		TSC: TALLONDC - CIVIL	STAGE 3		



US-131

US-131

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 309+00.00
CS MP 4.819
PR# 993505
PR MP 4.819

CONTROL SECTION 280
JOB NUMBER 132412A
P.O.E. STA 326+00.00
CS MP 5.141
PR# 993505
PR MP 5.141

SECTION 11
T25N,R9W
VILLAGE OF FIFE LAKE

SECTION 11
T25N/R9W
VILLAGE OF FIVE LAKES

STATE STREET

[illegible]

S	SUBMITTAL DATE		
	NO.	DATE	AUTH



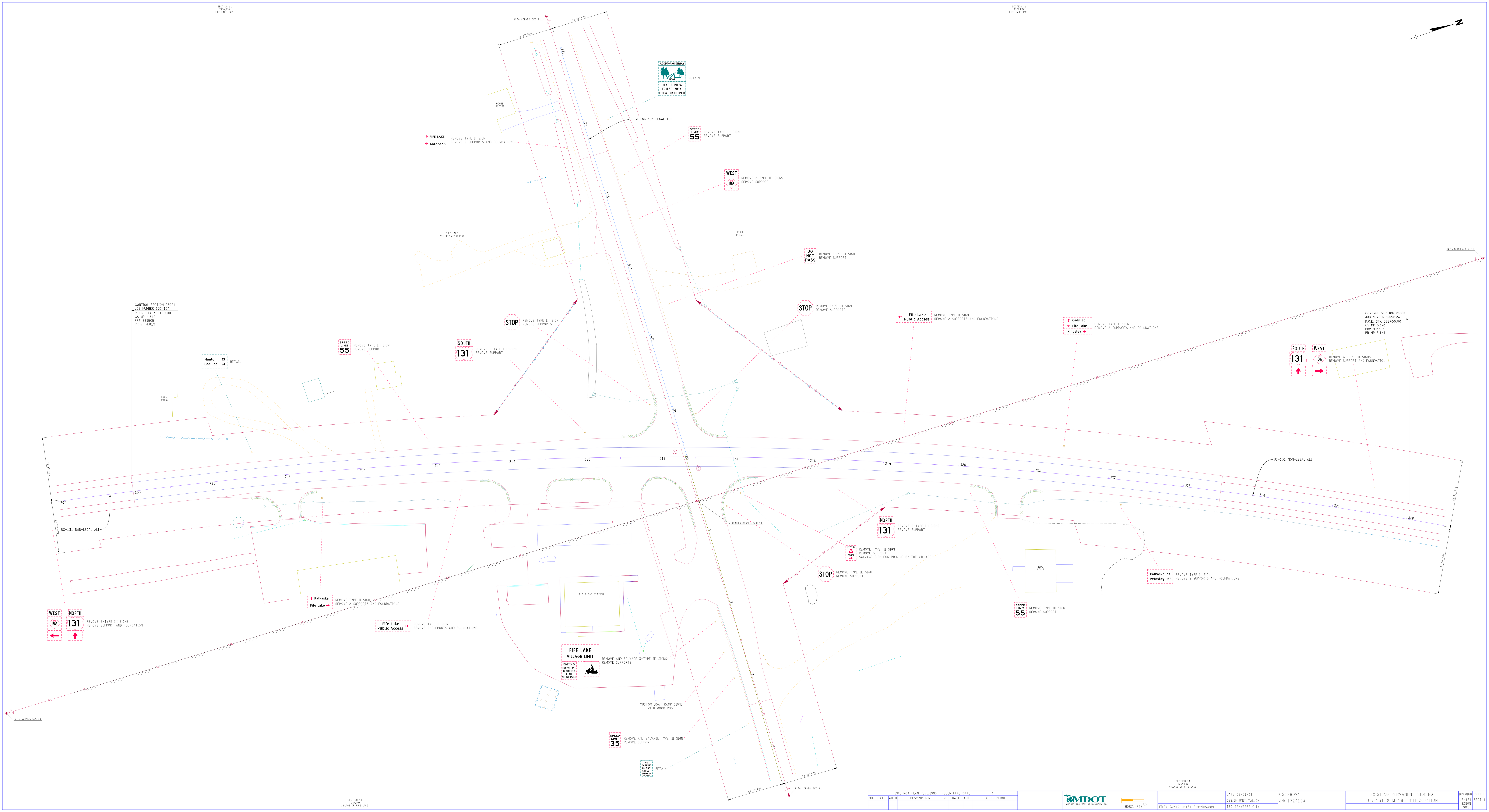
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DATE: 08/31/18
DESIGN UNIT: TA
TSC: TRAVERSE

CS: 28091
JN: 132412A

MAINTAINING TRAFFIC SHEET
US-131 @ M-186 INTERSECTION
STAGE 4

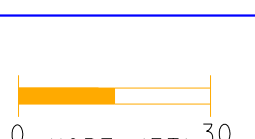
DRAWING	SHEET
US-131	SECTION
MOT	
004	



CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 324+00.00
CS MP 5.141
PRM 993505
PR MP 5.141

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 324+00.00
CS MP 5.141
PRM 993505
PR MP 5.141

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



SECTION 11
VILLAGE OF FIFE LAKE

DATE: 08/31/18
DESIGN UNIT: TALLON
TSC: TRAVERSE CITY

CS: 28091
JN: 132412A

EXISTING PERMANENT SIGNING
US-131 @ M-186 INTERSECTION

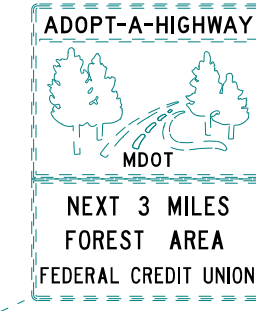
DRAWING SHEET
US-131 SECT 1
ESION
001

SECTION 10
TALLON
FILE LINE TYP.

- ① R1-2 (36")
4 Sft Sign, Type IIIA
14 Ft 1-Post, Steel, 3 lb
- ② W11-2 (36")
9 Sft Sign, Type IIIIB
30 Ft 2-Post, Steel, 3 lb
- ③ W16-TPL (36" X 18")
4.5 Sft Sign, Type IIIIB
- ④ R4-7 (24" X 30")
5 Sft Sign, Type IIIIB
14 Ft 1-Post, Steel, 3 lb
- ⑤ R6-1R (36" X 12")
5 Sft Sign, Type IIIIB
R6-40 (48" X 24")
8 Sft Sign, Type IIIIB
26 Ft 2-Post, Steel, 3 lb



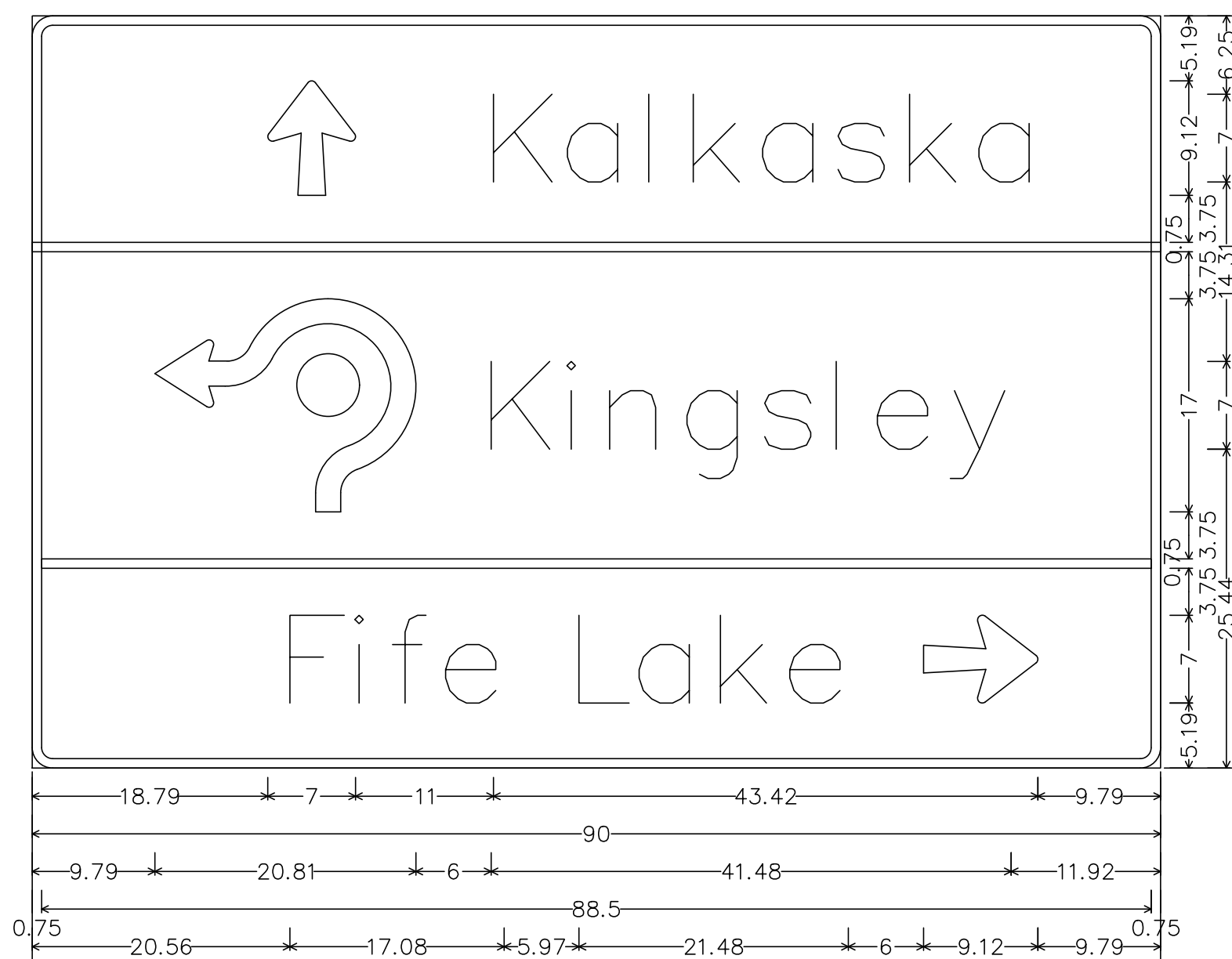
- R2-6 (36")
9 Sft Sign, Type IIIIB
- W16-1TP (36" X 18")
4.5 Sft Sign, Type IIIIB
- W13-1P (24")
4 Sft Sign, Type IIIIB
32 Ft 2-Post, Steel, 3 lb



ADOPT-A-HIGHWAY
NEET 3 MILES
FOREST AREA
FEDERAL ESTATE UNION

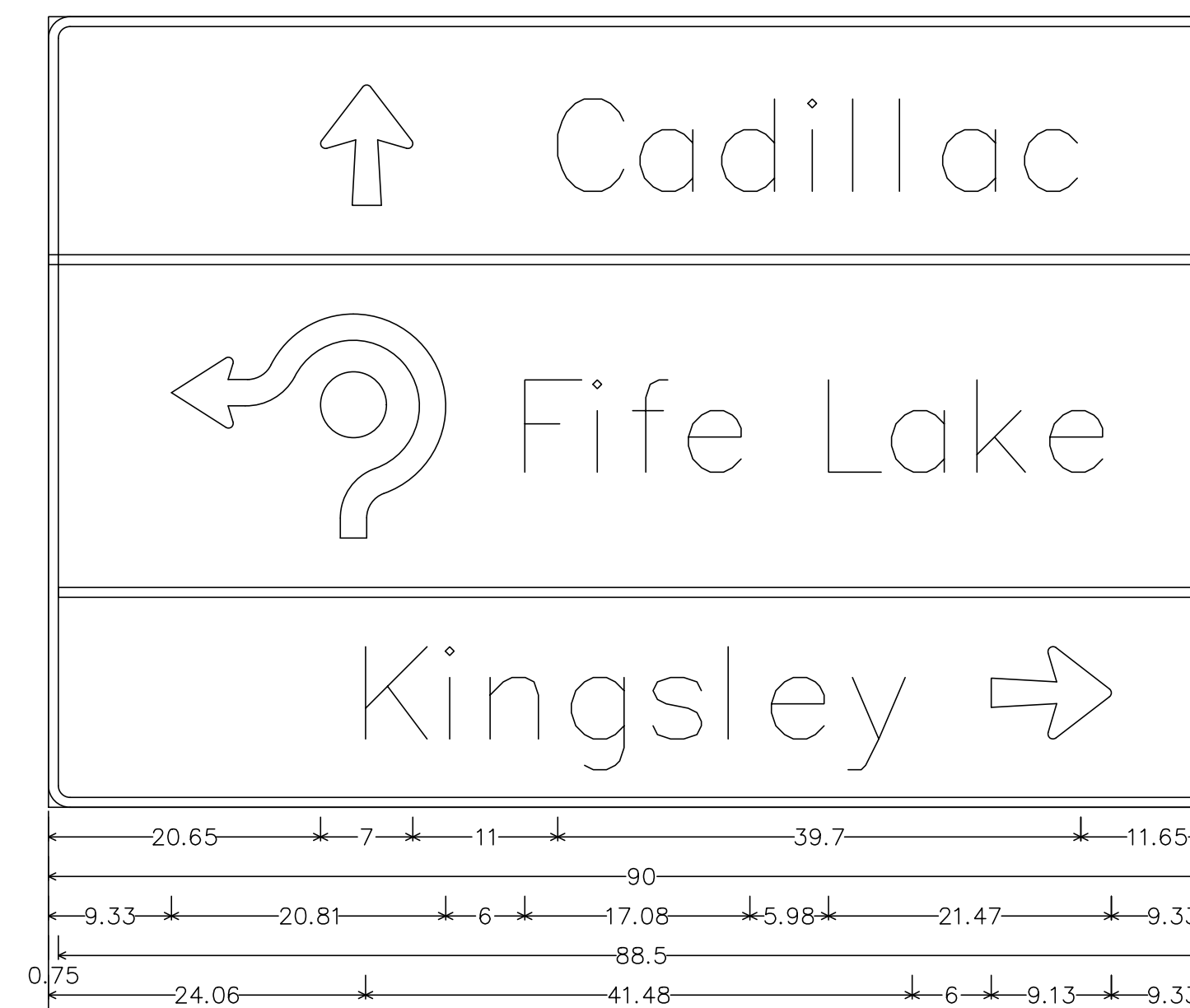
SPEED
LIMIT
55

- R2-1 (24" X 30")
5 Sft Sign, Type IIIIB
14 Ft 1-Post, Steel, 3 lb



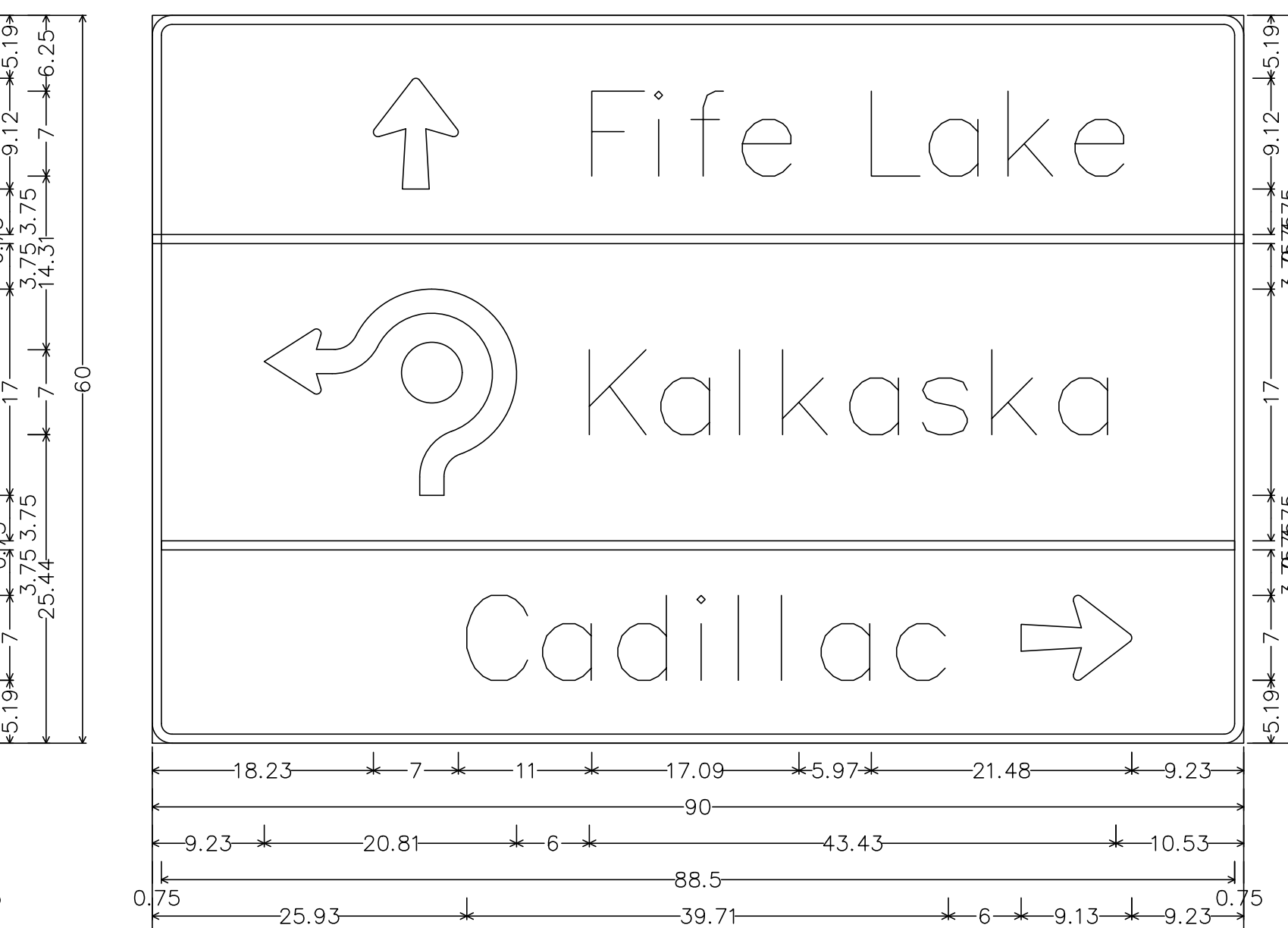
D1-3d (1:1), 1.63" Radius, 0.75" Border, White on Green;
Arrow A-7 - 9.13" 90°; [Kalkaska] Clearviewway-3-W; [Kingsley] Clearviewway-3-W;
[Fife Lake] Clearviewway-3-W; Arrow A-7 - 9.13" 0°;
Table of letter and object lefts.

Object	Letter	Object	Letter	Object	Letter	Object	Letter
18.79	36.78	42.68	49.17	52.73	58.28	64.27	69.97
75.51							
-0.00							
9.78	36.64	42.69	46.08	52.22	58.43	64.12	67.40
75.51							
75.51							
20.56	25.74	28.74	32.97	43.61	48.43	54.88	60.47
71.09							



D1-3d (1:1), 1.63" Radius, 0.75" Border, White on Green;
Arrow A-7 - 9.13" 90°; [Cadillac] Clearviewway-3-W; [Fife Lake] Clearviewway-3-W;
[Kingsley] Clearviewway-3-W; Arrow A-7 - 9.13" 0°;
Table of letter and object lefts.

Object	Letter	Object	Letter	Object	Letter	Object	Letter
20.65	38.64	44.90	51.10	57.63	61.03	64.58	67.87
74.09							
-0.00							
9.33	36.14	41.32	44.32	48.56	52.68	56.70	47.78
74.09							
74.09							
24.08	30.11	33.51	39.68	45.89	51.84	54.83	60.64
71.54							



D1-3d (1:1), 1.63" Radius, 0.75" Border, White on Green;
Arrow A-7 - 9.13" 90°; [Fife Lake] Clearviewway-3-W; [Kalkaska] Clearviewway-3-W;
[Cadillac] Clearviewway-3-W; Arrow A-7 - 9.13" 0°;
Table of letter and object lefts.

Object	Letter	Object	Letter	Object	Letter	Object	Letter
18.23	36.24	41.42	44.42	48.65	52.64	56.70	56.76
76.10							
-0.00							
9.23	36.04	41.94	48.42	51.98	57.52	63.53	69.22
74.78							
74.78							
25.92	32.18	38.39	44.92	48.32	52.51	58.55	64.61
71.64							

SIGN DETAIL "A"

SIGN DETAIL "B"

SIGN DETAIL "C"

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 328+00.00
CS MP 5.141
PRM 93505
PR MP 4.819

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

STA 290+00, US-131 NON-LEGAL ALI

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

STA 307+00, US-131 NON-LEGAL ALI

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 328+00.00
CS MP 5.141
PRM 93505
PR MP 5.141

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

STA 290+00, US-131 NON-LEGAL ALI

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

STA 307+00, US-131 NON-LEGAL ALI

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

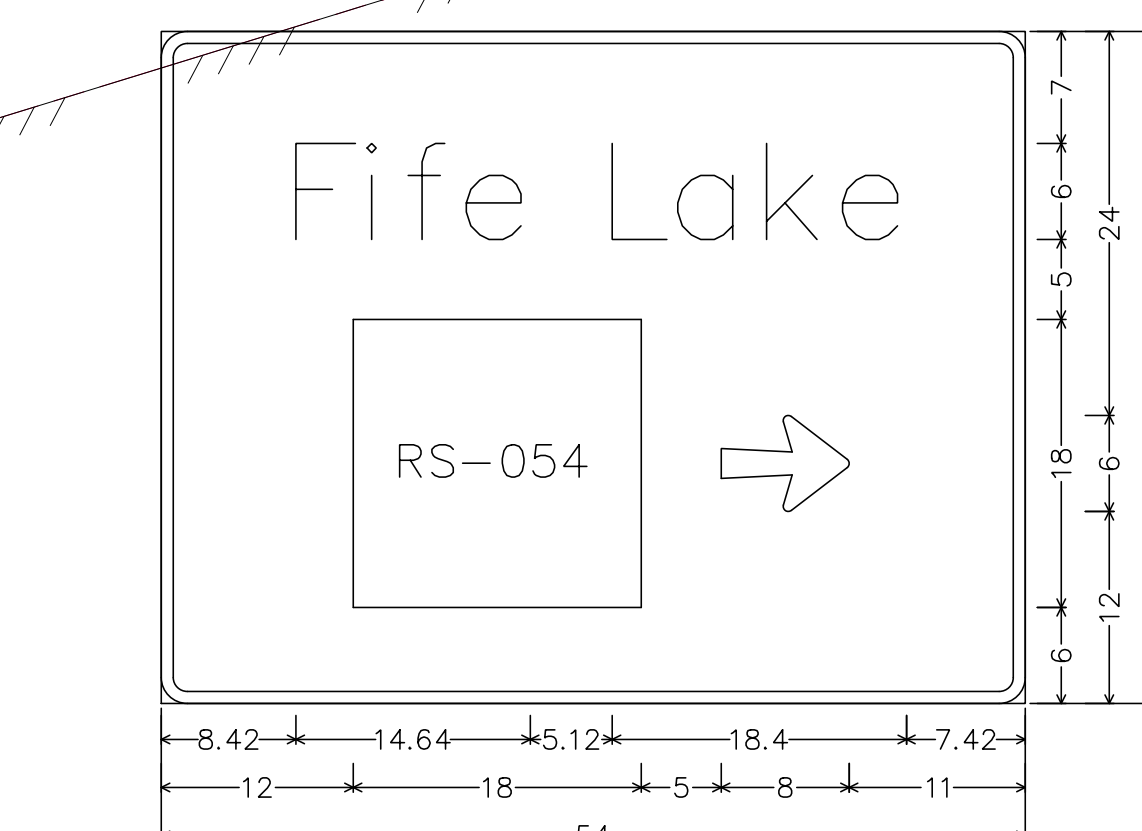
W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

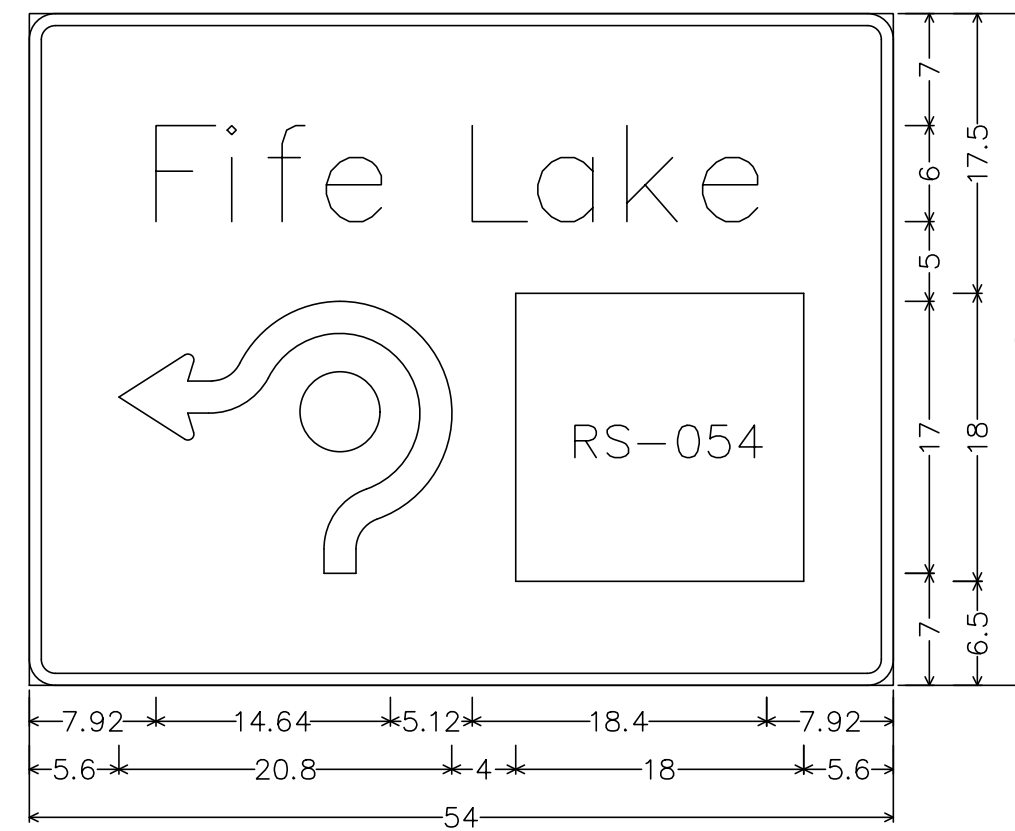
SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION



D7-1b 40 mph or more;
1.63" Radius, 0.75" Border, White on Brown;
[Fife Lake] Clearviewway-3-W; Arrow A-6 - 8.00" 0°;
RS-054 "BOAT RAMP SYMBOL" 18" x 18"
Table of letter and object lefts.

Object	Letter	Object	Letter	Object	Letter	Object	Letter
8.42	12.88	15.43	19.06	26.18	32.28	37.84	42.58
11.15							
12.00	35.00						

SIGN DETAIL "E"



D7-1b 40 mph or more;
1.63" Radius, 0.75" Border, White on Brown;
[Fife Lake] Clearviewway-3-W;
RS-054 "BOAT RAMP SYMBOL" 18" x 18"
Table of letter and object lefts.

Object	Letter	Object	Letter	Object	Letter	Object	Letter
7.92	12.36	14.93	18.56	27.68	33.78	37.34	42.08
11.15							
12.00	30.40						

SIGN DETAIL "F"

SECTION 11
TALLON
VILLAGE OF FIFE LAKE



FIFE LAKE
VILLAGE LIMIT
1 Ea Sign, Type III, Erect, Sdv
32 Ft 2-Post, Steel, 3 lb

SPEED
LIMIT
35

- 1 Ea Sign, Type III, Erect, Sdv
14 Ft 1-Post, Steel, 3 lb

NORTH
131

- M3-3 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-4 (30" X 24")
5 Sft Sign, Type IIIIB
- M6-2R (21" X 15")
2.2 Sft Sign, Type IIIIB
18 Ft 1-Post, Steel, 3 lb

NORTH
131

- M3-3 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-4 (30" X 24")
5 Sft Sign, Type IIIIB
- M6-2R (21" X 15")
2.2 Sft Sign, Type IIIIB
18 Ft 1-Post, Steel, 3 lb

SPEED
LIMIT
55

- R2-1 (24" X 30")
5 Sft Sign, Type IIIIB
14 Ft 1-Post, Steel, 3 lb

WEST
186

- M3-4 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-6 (24")
4 Sft Sign, Type IIIIB
- M6-3 (21" X 15")
2.2 Sft Sign, Type IIIIB

SOUTH
131

- M3-3 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-4 (30" X 24")
5 Sft Sign, Type IIIIB
- M6-3 (21" X 15")
2.2 Sft Sign, Type IIIIB

WEST
186

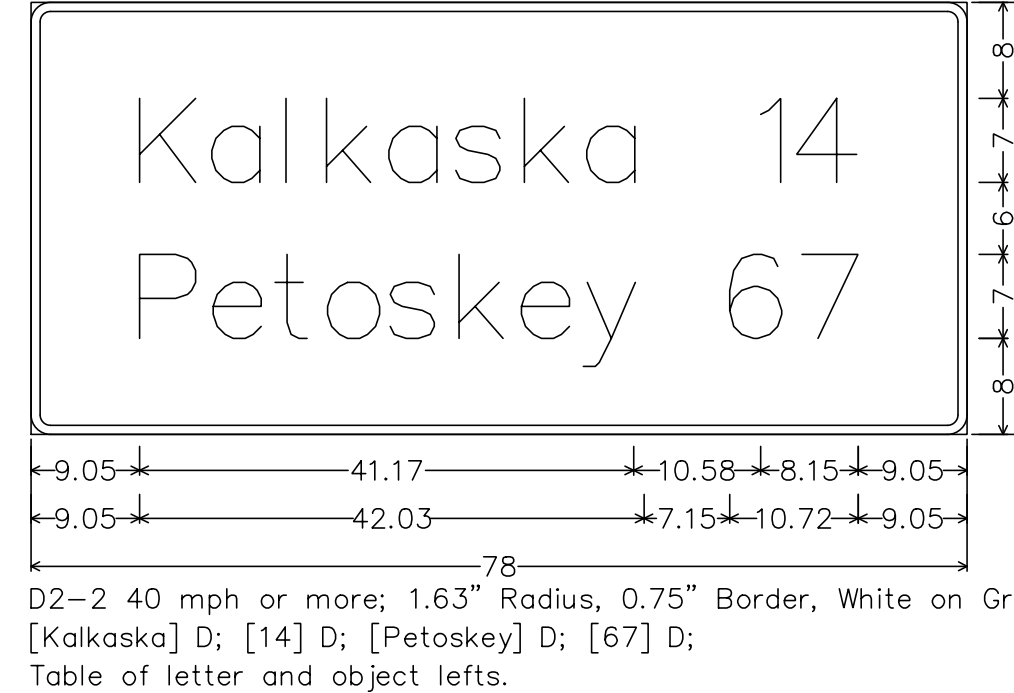
- M3-4 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-6 (24")
4 Sft Sign, Type IIIIB
- M6-3 (21" X 15")
2.2 Sft Sign, Type IIIIB

SOUTH
131

- M3-3 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-4 (30" X 24")
5 Sft Sign, Type IIIIB
- M6-3 (21" X 15")
2.2 Sft Sign, Type IIIIB

WEST
186

- M3-4 (24" X 12")
2 Sft Sign, Type IIIIB
- M1-6 (24")
4 Sft Sign, Type IIIIB
- M6-3 (21" X 15")
2.2 Sft Sign, Type IIIIB



D2-2 40 mph or more; 1.63" Radius, 0.75" Border, White on Green;
[Kalkaska] D; [14] D; [Petoskey] D; [67] D;
Table of letter and object lefts.

Object	Letter	Object	Letter	Object	Letter	Object	Letter
9.05	15.07	21.29	24.63	29.82	35.34	41.12	46.32
50.80	56.81	62.81	68.81	74.81	80.81	86.81	92.81
9.05	15.18	20.34	24.72	29.94	35.67	40.86	46.01
58.24	64.24	70.24	76.24	82.24	88.24	94.24	100.24

SIGN DETAIL "D"

SECTION 11
TALLON
VILLAGE OF FIFE LAKE

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 328+00.00
CS MP 5.141
PRM 93505
PR MP 5.141

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

STA 325+50, US-131 NON-LEGAL ALI

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

W2-6 (48")
16 Sft Sign, Type IIIIB

W16-3dP (30" X 12")
2.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 4 inch by 6 inch
2 Ea Reflective Panel for
Permanent Sign Support, 6 foot

SEE TRAFFIC SIGNAL PLANS FOR MORE INFORMATION

SEE SIGN DETAIL "A"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "B"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "C"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "D"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "E"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

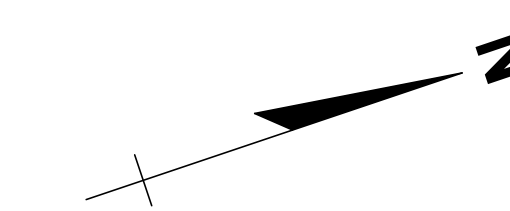
SEE SIGN DETAIL "F"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "G"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "H"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "I"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch

SEE SIGN DETAIL "J"
37.5 Sft Sign, Type IIIIB
32 Ft 2-Post, Wood, 6 inch by 8 inch



CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA 309+00.00
CS MP 4.819
PR# 993505
PR MP 4.819

CONTROL SECTION 280
JOB NUMBER 132412A
P.O.E. STA 326+00.00
CS MP 5.141
PR# 993505
PR MP 5.141

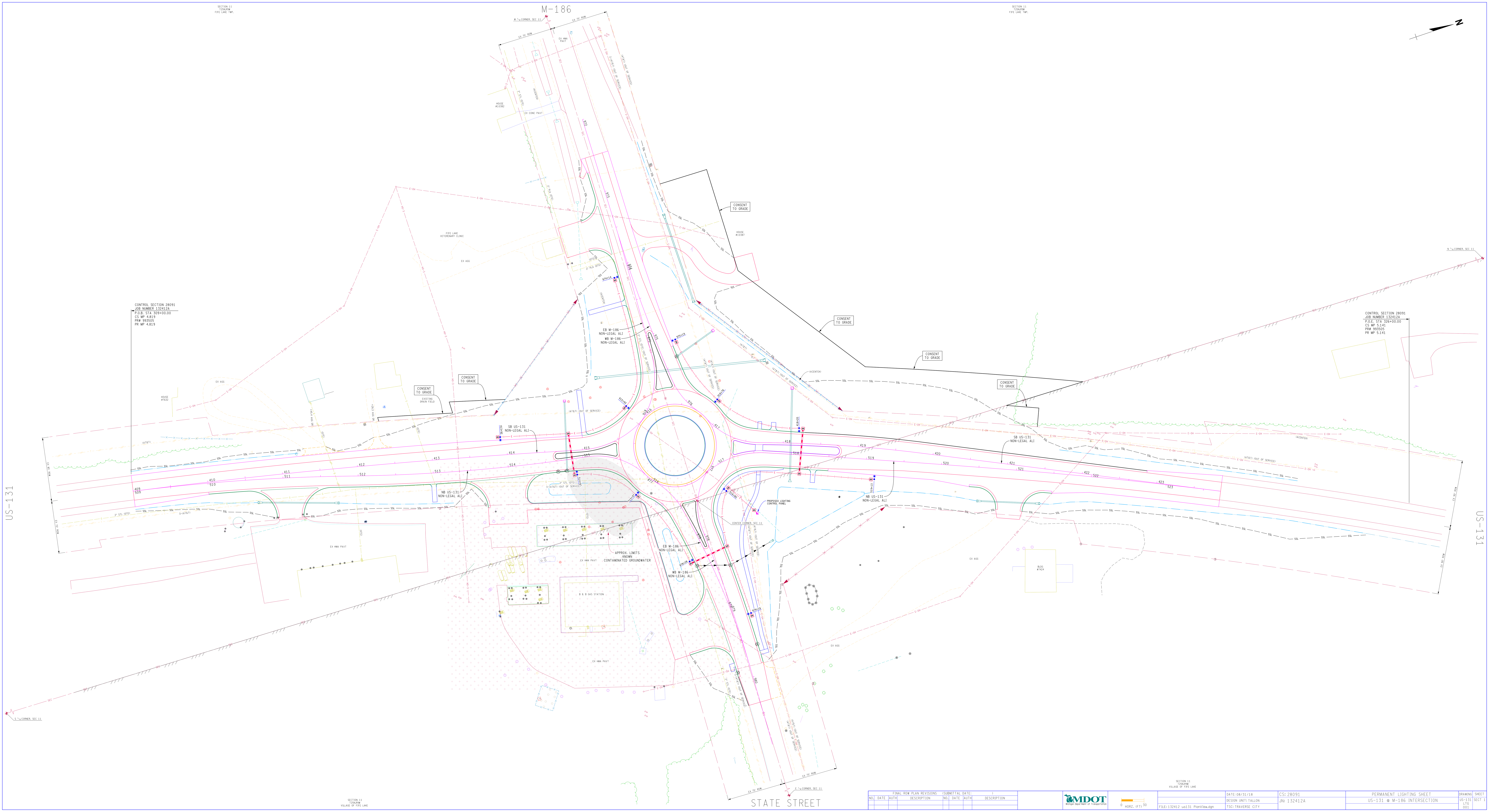
SECTION 11
T25N,R9W
VILLAGE OF FIFE LAKE

SECTION 11
T25N/R9W
VILLAGE OF FIVE LAKES

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE: 1			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DATE: 08/31/18		CS: 28091	PERMANENT PAVEMENT MARKING SHEET	DRAWING	SHEET
DESIGN UNIT: TALLON		JN: 132412A	US-131 @ M-186 INTERSECTION	US-131	SECT
FILE: 132412_us131_Plntg\low.dgn		TSC: TRAVERSE CITY		PV-MTR	



US-131

US-131

M-186

STATE STREET

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA. 326+00.00
CS MP 5.141
PRW 993505
PR MP 5.141

CONTROL SECTION 28091
JOB NUMBER 132412A
P.O.B. STA. 326+00.00
CS MP 5.141
PRW 993505
PR MP 5.141

NO.		DATE	AUTH	DESCRIPTION	NO.		DATE	AUTH	DESCRIPTION
1		08/31/18	TALON	FINAL ROW PLAN REVISIONS	1		08/31/18	TALON	FINAL ROW PLAN REVISIONS



0 HORIZ. (FT) 10

SECTION 11
TALLON
VILLAGE OF FIVE LAKE

DATE: 08/31/18
DESIGN UNIT: TALLON
TSC: TRAVERSE CITY

CS: 28091
JN: 132412A

PERMANENT LIGHTING SHEET
US-131 @ M-186 INTERSECTION

DRAWING SHEET
US-131 SECT 1
110
001