

BURROUGHS

AMSTERDAM

NORTH →

PROPOSED WSU FIBER CROSSING
(DASHED RED LINE) CONTRACTOR TO
VERIFY ROUTING

PROPOSED MDOT TRAFFIC SIGNAL HAND
HOLE AND DUCT BANKS (IN BLUE)

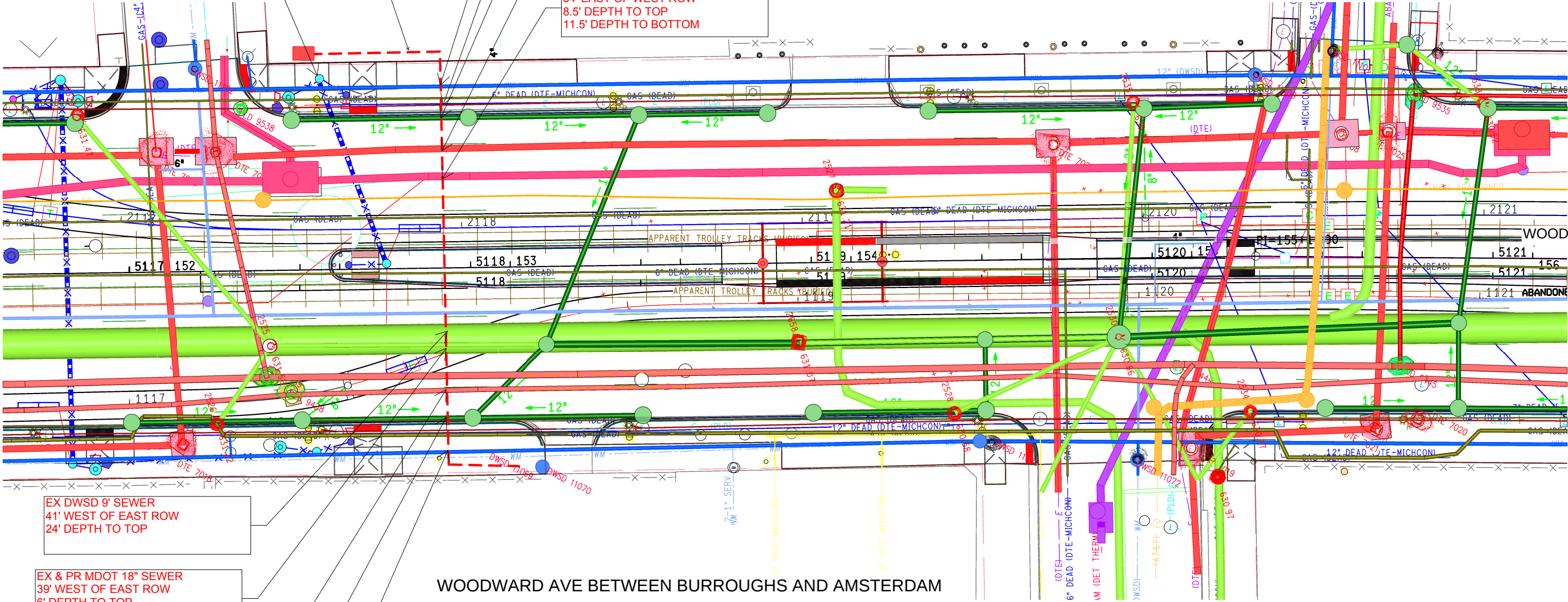
EX 12" WM
7' EAST OF WEST ROW
5' DEPTH

EX PLD ELEC CONDUIT
13' EAST OF WEST ROW
3' DEPTH

PR MDOT 12" SEWER
16' EAST OF WEST ROW
3' DEPTH

EX DTE ELECTRIC DUCTS
25' EAST OF WEST ROW
5' DEPTH TO TOP
7.5' DEPTH TO BOTTOM

NEWLY BUILT DTE ELECTRIC DUCTS
34' EAST OF WEST ROW
8.5' DEPTH TO TOP
11.5' DEPTH TO BOTTOM



EX DWSD 9" SEWER
41' WEST OF EAST ROW
24' DEPTH TO TOP

EX & PR MDOT 18" SEWER
39' WEST OF EAST ROW
6' DEPTH TO TOP
7.5' DEPTH TO BOTTOM

EX PLD ELEC DUCTS
27' WEST OF EAST ROW
3.5' DEPTH TO TOP
7' DEPTH TO BOTTOM

PR MDOT 12" SEWER
17' WEST OF EAST ROW
5' DEPTH TO TOP
6' DEPTH TO BOTTOM

EX 12" WM
6' WEST OF EAST ROW
5' DEPTH

WOODWARD AVE BETWEEN BURROUGHS AND AMSTERDAM

NOTES:
1.5' VERTICAL CLEARANCE MUST BE PROVIDED BETWEEN NEW FACILITIES AND
EXISTING/PROPOSED DWSD AND MDOT SEWER PIPES

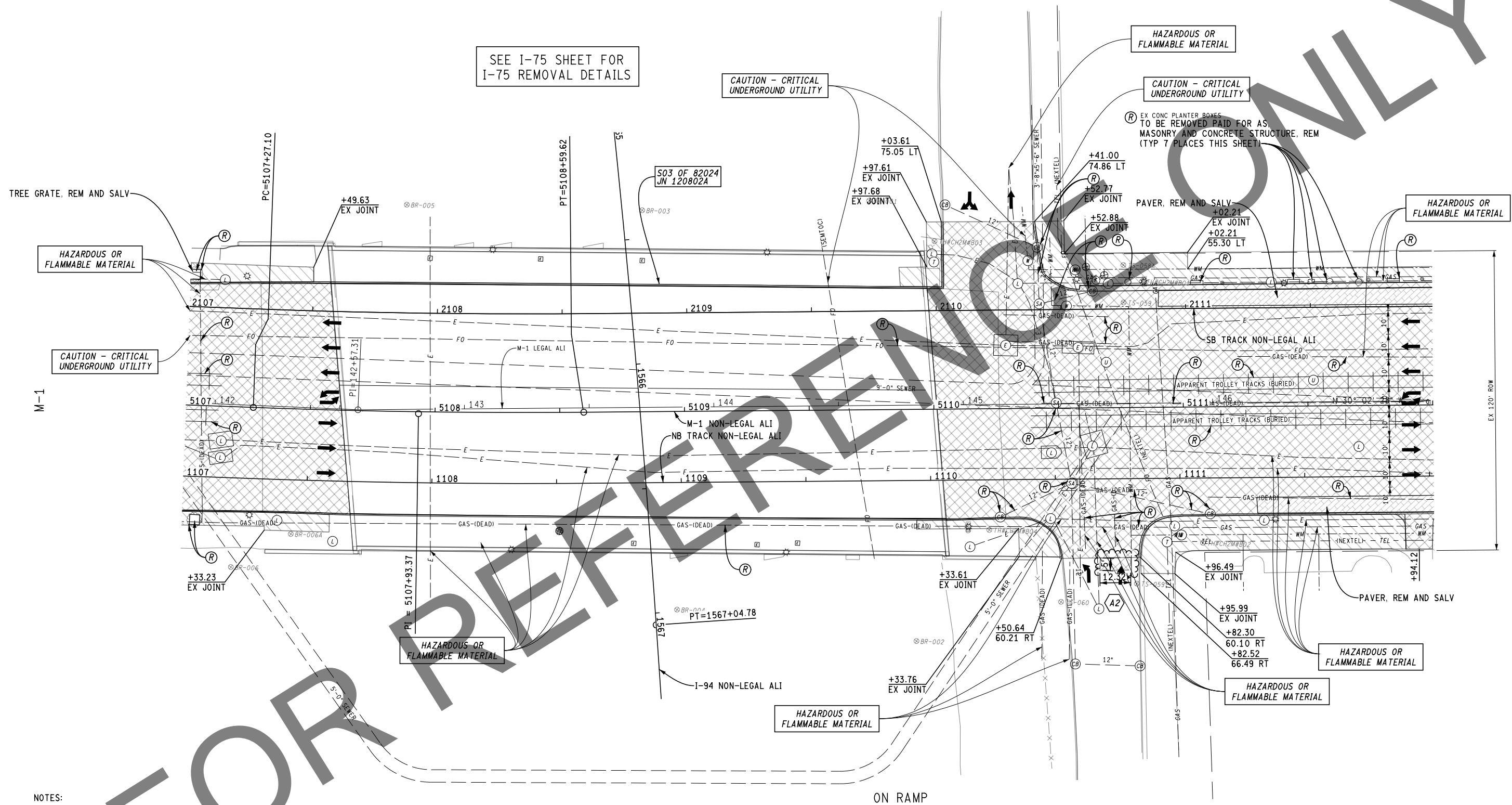
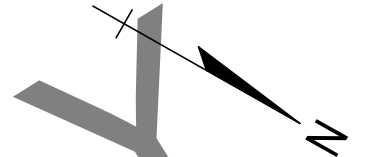
MDOT GENERALLY REQUIRES 60" COVER FROM GRADE TO TOP OF CONDUIT

DISCLAIMER THIS INFORMATION IS PROVIDED FOR REFERENCE ONLY AND DOES NOT RELIEVE THE RECIPIENT OR ANY
CONTRACTOR OF THE RESPONSIBILITY TO VERIFY THE LOCATION OF EXISTING UTILITIES. NEITHER WSU, HNTB, M-1 NOR
MDOT GUARANTEE ACCURACY OF THE DATA SHOWN. ANY DAMAGE CAUSED TO EXISTING UTILITIES DURING
INSTALLATION OF WSU CONDUIT MUST BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

EB I-94
(FORD FWY)

WB I-94
(FORD FWY)

ANTOINETTE



NOTES:

1. ALL EXISTING SITE AMENITIES (BIKE RACK, TRASH RECEPTACLE, BENCH) WITHIN THE M-1 ROW SHALL BE REMOVED AND SALVAGED.
2. SEE DRAINAGE SHEET AND NOTICE TO BIDDERS UTILITY COORDINATION (NTBUC) FOR UTILITY INFORMATION.

OFF RAMP

EB I-94
(FORD FWY)

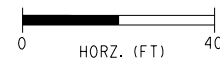
WB I-94
(FORD FWY)

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

URS
Surface Transportation
Grand Rapids, Southfield
Traverse City, Detroit



M-1 RAIL
FILE: 76903_SE02_M-1_5107.DGN



DATE: 02/14/2014
DESIGN UNIT: LOREE
TSC: DETROIT

CS: 82131
JN: 76903A

REMOVAL SHEET
M-1 STA 5107+00 TO STA 5112+00

DRAWING SHEET
M-1 REM C029
330

EB I-94
(FORD FWY)

WB I-94
(FORD FWY)

ANTOINETTE

FOR INFORMATION ONLY

STATION	BACK OF DRIVE OFFSET FROM ALI	PROPOSED DRIVEWAY WIDTH	PROPOSED DRIVEWAY SLOPE	RADIUS		Curb, Conc. Det E4, Modified	Driveway, Nonrein Conc. 6 inch	Aggregate Base, 4 inch	Sidewalk, Conc. 6 inch
	Ft	Ft	%	ENTERING	EXITING	Ft	Syd	Syd	Sft
M-1 STA 5111+94.12 RT	57.7	10.6	5.7	5	5	14	14	30	127
JN 76903A TOTALS (CAT 0001)						14	14	30	127

FOR I-94 CONSTRUCTION DETAILS
SEE I-94 PLAN SHEETS

SEE I-94 SHEET FOR
I-94 CONSTRUCTION DETAILS

CAUTION - CRITICAL
UNDERGROUND UTILITY

CAUTION - CRITICAL
UNDERGROUND UTILITY

FULL STRUCTURE
REPLACEMENT
S03 OF 82024
JN 120802A

CURB, CONC. DET E4, MODIFIED

CONC. PAVT. MISC.
NONREINF. 8 INCH.
HIGH PERFORMANCE

HAZARDOUS OR
FLAMMABLE MATERIAL

HAZARDOUS OR
FLAMMABLE MATERIAL

CAUTION - CRITICAL
UNDERGROUND UTILITY

CONC. PAVT. MISC.
NONREINF. 12 INCH.
HIGH PERFORMANCE

HAZARDOUS OR
FLAMMABLE MATERIAL

HAZARDOUS OR
FLAMMABLE MATERIAL

HAZARDOUS OR
FLAMMABLE MATERIAL

HAZARDOUS OR
FLAMMABLE MATERIAL

- NOTES:
- EXISTING TREES TO REMAIN AS DETAILED ON PLANS.
 - REPLACE ANY TREE DAMAGED OR DISTURBED BY CONSTRUCTION OPERATIONS AT CONTRACTOR EXPENSE.
 - EXISTING SITE AMENITIES SHALL BE REINSTALLED IN THEIR EXISTING LOCATIONS OR AS DIRECTED BY ENGINEER.
 - SEE DRAINAGE SHEET AND NOTICE TO BIDDERS UTILITY COORDINATION (INTBUC) OFF RAMP FOR UTILITY INFORMATION.

EB I-94
(FORD FWY)

WB I-94
(FORD FWY)

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

URS
Surface Transportation
Grand Rapids, Southfield
Troy, Detroit

MDOT
Michigan Department of Transportation

M-1 RAIL
FILE: 76903_SE02_M-1_5107.DGN

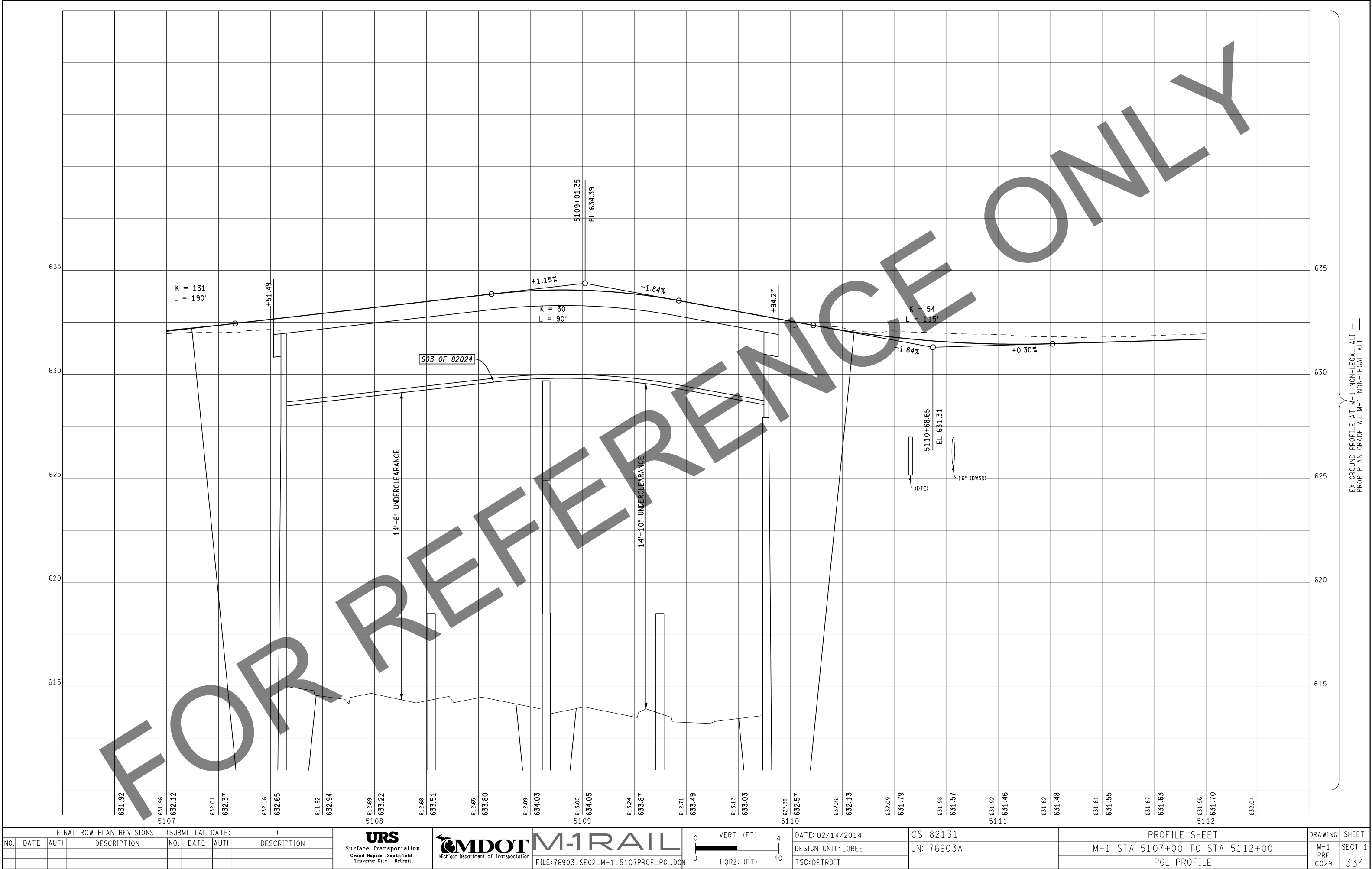
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HORZ. (FT)

DATE: 02/14/2014
DESIGN UNIT: LOREE
TSC: DETROIT

CS: 82131
JN: 76903A

CONSTRUCTION SHEET
M-1 STA 5107+00 TO STA 5112+00

DRAWING SHEET
M-1
CON
C029
331

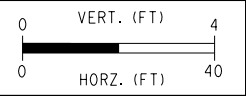


FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

URS
Surface Transportation
Grand Rapids Southfield
Traverse City Detroit



M-1 RAIL
FILE: 76903_SEG2_M-1_5107PROF_PGL.DGN

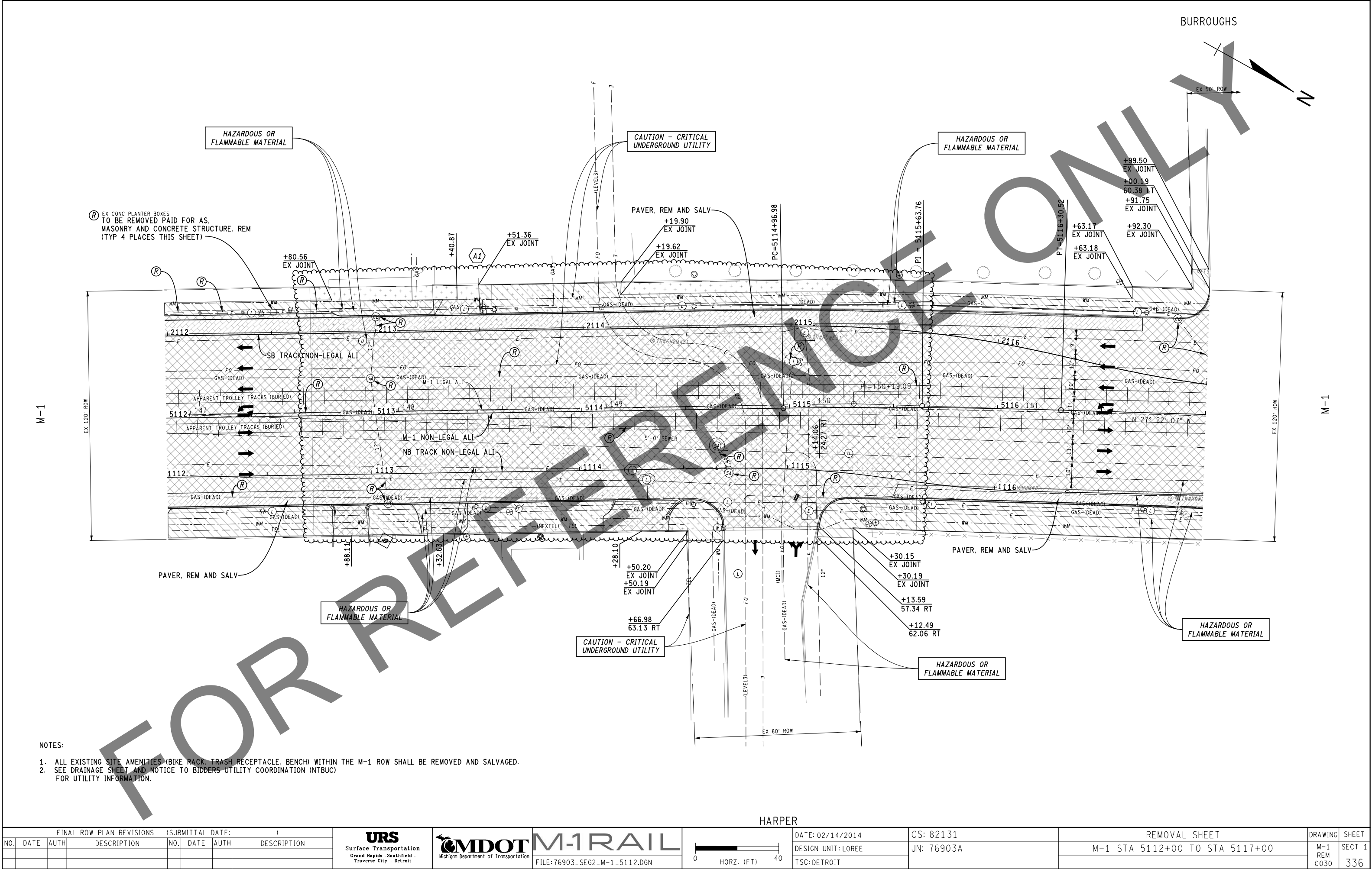


DATE: 02/14/2014
DESIGN UNIT: LOREE
TSC: DETROIT

CS: 82131
JN: 76903A

PROFILE SHEET
M-1 STA 5107+00 TO STA 5112+00
PGL PROFILE

DRAWING	SHEET
M-1 PRF C029	SECT 1 334



- NOTES:
- 1. ALL EXISTING SITE AMENITIES (BIKE RACK, TRASH RECEPTACLE, BENCH) WITHIN THE M-1 ROW SHALL BE REMOVED AND SALVAGED.
 - 2. SEE DRAINAGE SHEET AND NOTICE TO BIDDERS UTILITY COORDINATION (NTBUC) FOR UTILITY INFORMATION.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								URS Surface Transportation Grand Rapids - Southfield - Traverse City - Detroit	MDOT Michigan Department of Transportation	M-1 RAIL FILE: 76903_SEG2_M-1_5112.DGN	HARPER		DATE: 02/14/2014		CS: 82131	REMOVAL SHEET		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION				DESIGN UNIT: LOREE		JN: 76903A	M-1 STA 5112+00 TO STA 5117+00		M-1 REM C030	SECT 1 336		
											TSC: DETROIT								

M-1

M-1

1. SEE DRAINAGE SHEET AND NOTICE TO BIDDERS UTILITY COORDINATION (NTBUC) FOR UTILITY INFORMATION.

FOR INFORMATION ONLY

STATION	BACK OF DRIVE OFFSET FROM ALI	PROPOSED DRIVEWAY WIDTH	PROPOSED DRIVEWAY SLOPE	RADIUS		Curb, Conc. Det E4, Modified	Driveway, Nonreinf Conc. 6 inch	Aggregate Base, 4 inch	Sidewalk, Conc. 6 inch
				ENTERING	EXITING				
M-1 STA 5112+88.11 RT	57.7	16.7	5.8	5	5	19	19	35	117
M-1 STA 5113+32.63 RT	57.7	23.6	4.8	5	5	20	27	43	123
M-1 STA 5113+40.87 LT	55.0	21.3	6.0	5	5	20	9	22	89
M-1 STA 5114+28.10 RT	57.9	25.6	4.2	10	5	22	32	56	192
JN 76903A TOTALS (CAT 0001)						81	87	156	521

HARPER

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

URS
Surface Transportation
Grand Rapids, Southfield
Traverse City, Detroit

MDOT
Michigan Department of Transportation

M-1 RAIL
FILE: 76903_SE02_M-1_5112.DGN

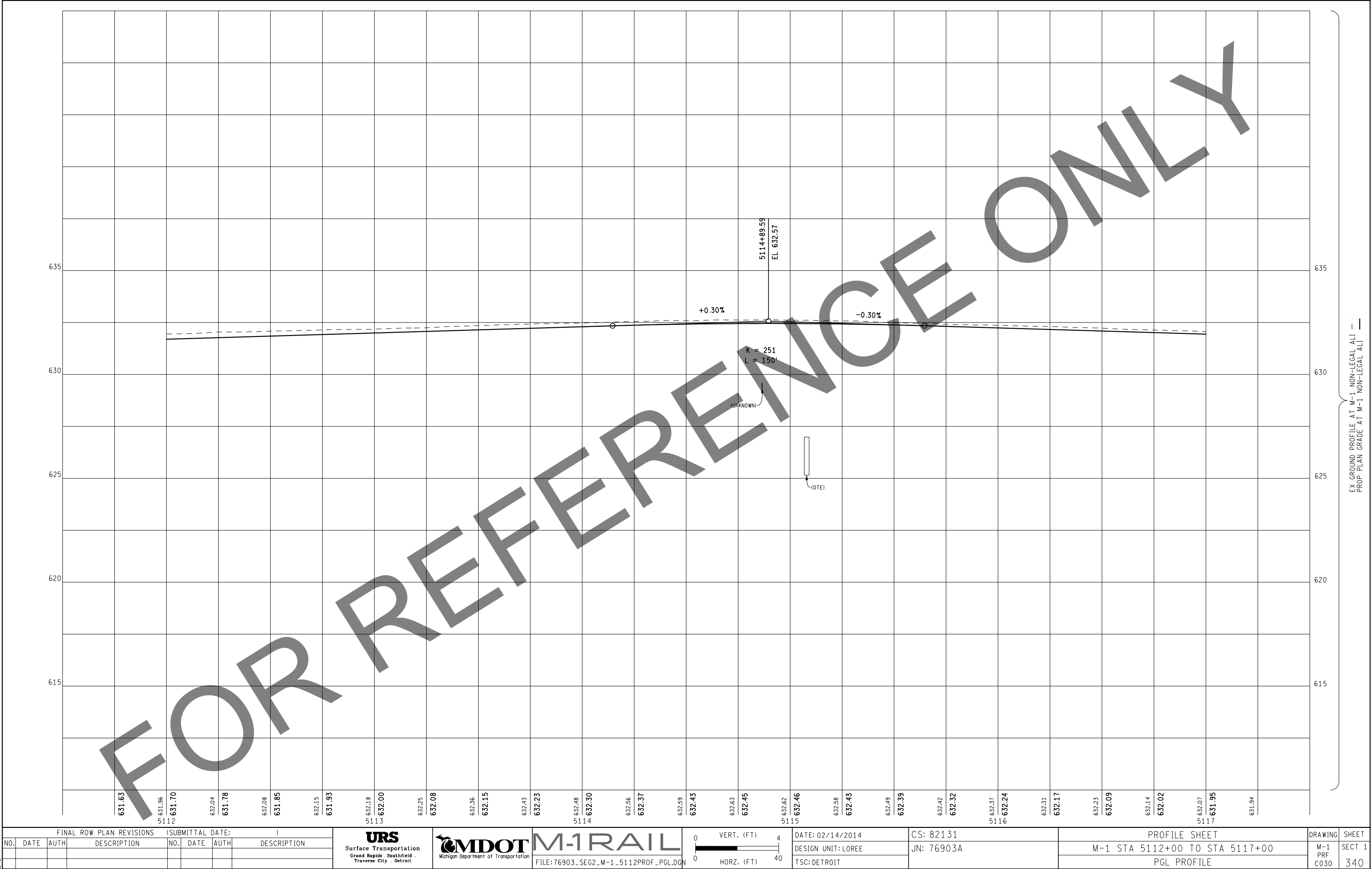
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HORZ. (FT)

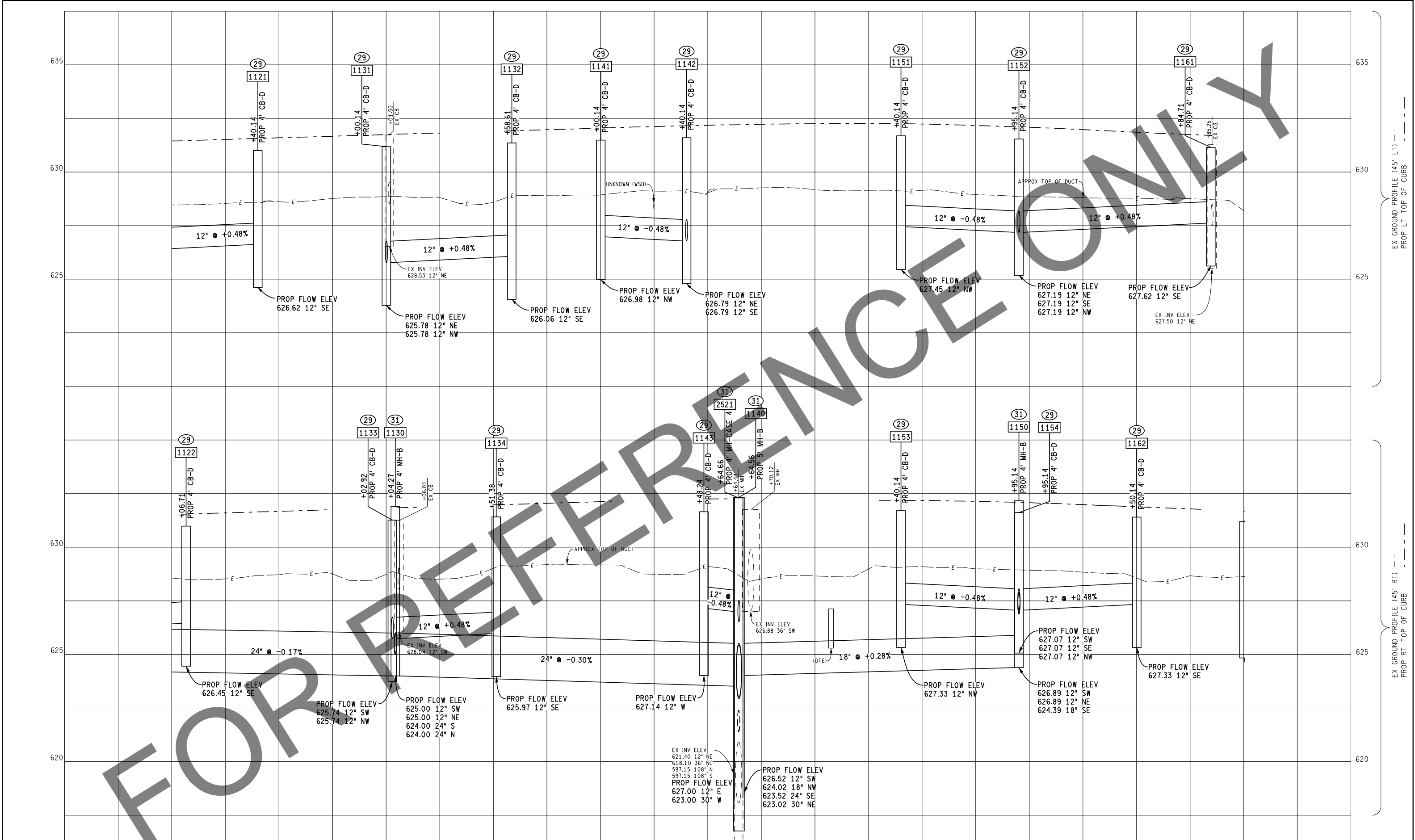
DATE: 02/14/2014
DESIGN UNIT: LOREE
TSC: DETROIT

CS: 82131
JN: 76903A

CONSTRUCTION SHEET
M-1 STA 5112+00 TO STA 5117+00

DRAWING SHEET
M-1 CON C030
337

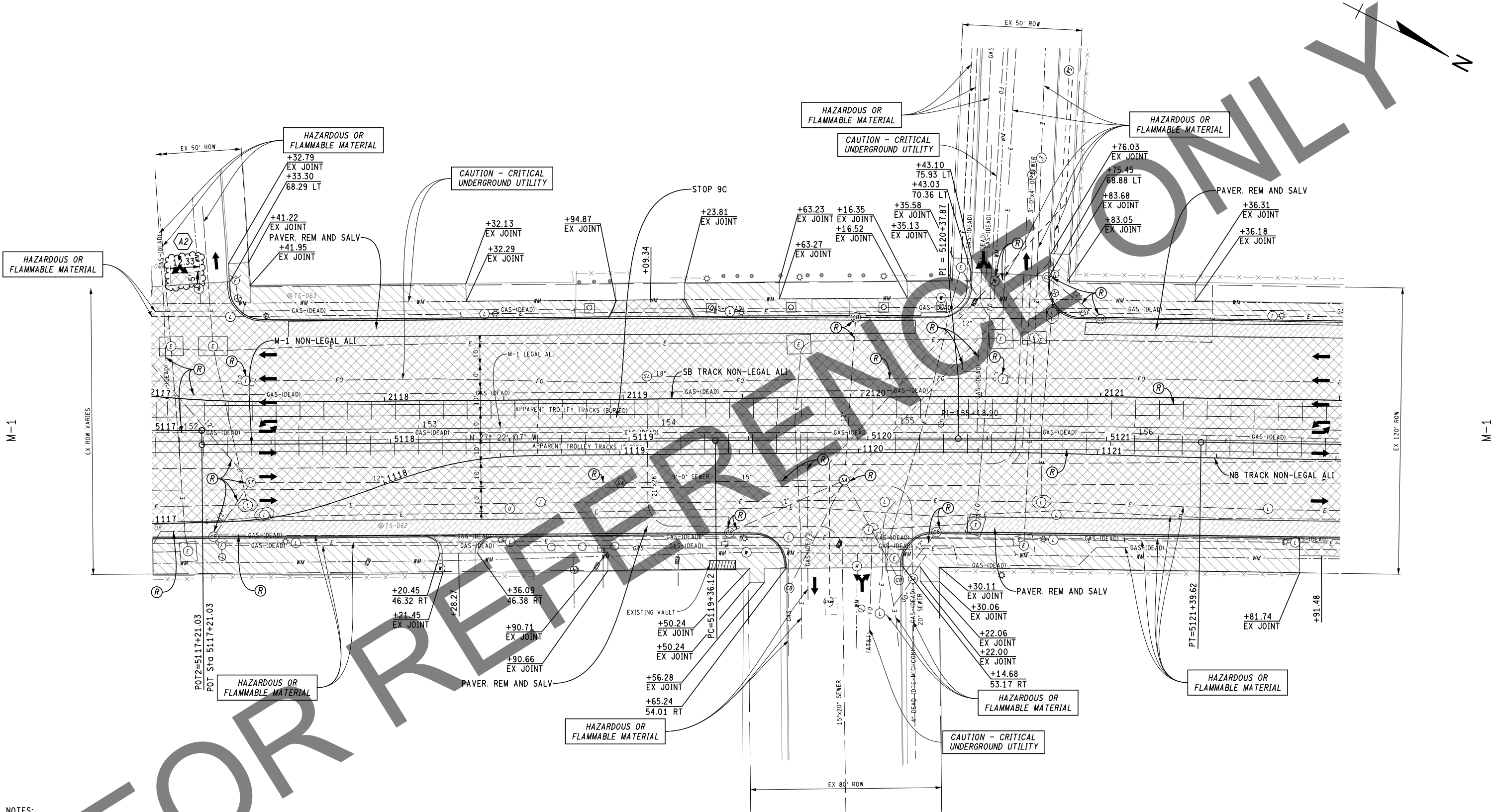




5112				5113				5114				5115				5116				5117			
FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								 Surface Transportation Grand Rapids Southfield Traverse City Detroit	 Michigan Department of Transportation	 FILE: 76903_SEG2_M-1_5112PROF_SIDE.DGN	 0 10 20 30 40 VERT. (FT) HORZ. (FT)	DATE: 02/14/2014		CS: 82131		PROFILE SHEET				DRAWING	SHEET		
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					DESIGN UNIT: LOREE		JN: 76903A		M-1 STA 5112+00 TO STA 5117+00				M-1 PRF C030	SECT 1		
												TSC: DETROIT				SIDE PROFILE					341		

BURROUGHS

AMSTERDAM



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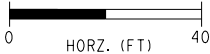
PIQUETTE

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

URS
Surface Transportation
Grand Rapids, Southfield
Traverse City, Detroit

MDOT
Michigan Department of Transportation

M-1 RAIL
FILE: 76903_SEG2_M-1_5117.DGN



DATE: 02/14/2014
DESIGN UNIT: LOREE
TSC: DETROIT

CS: 82131
JN: 76903A

REMOVAL SHEET
M-1 STA 5117+00 TO STA 5122+00

DRAWING	SHEET
M-1 REM C031	342

