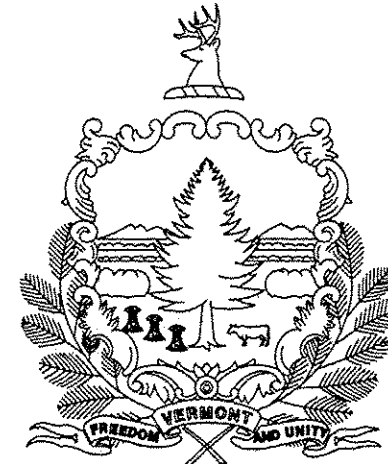


INDEX OF SHEETS
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TRAFFIC DATA

LOCATION	AADT			DHV		ESALS	
	2008	2018	2028	2008	2018	2018-2018	2008-2018
US 5							
BEGIN PROJECT TO EXIT 6	6800	8100	9300	1100	1300	3,337,000	9,106,000
EXIT 6 TO EXIT 7	7000	8100	9400	1100	1300	6,380,000	17,124,000
EXIT 7 TO END OF PROJECT	6000	7000	8000	960	1100	3,766,000	10,358,000

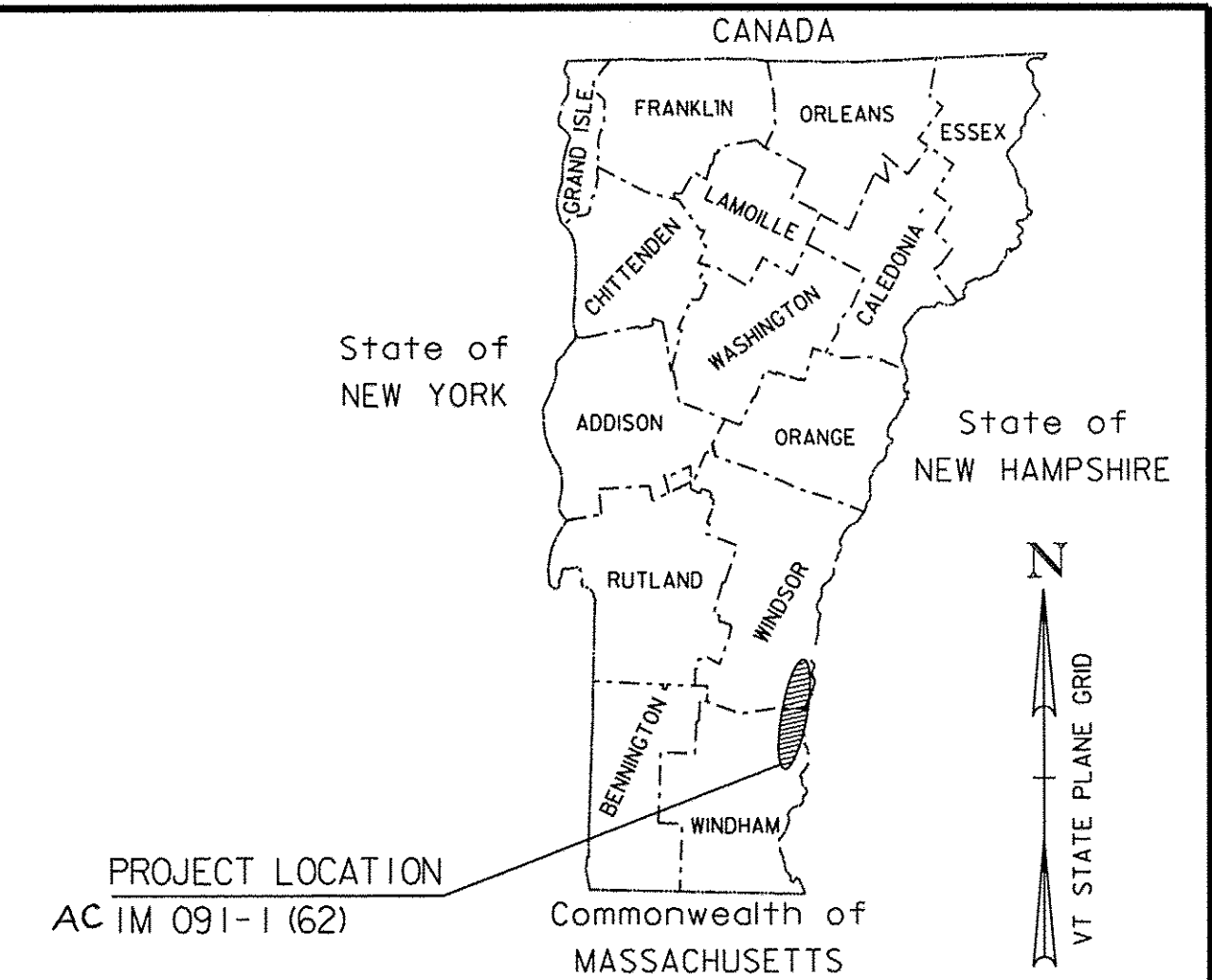
STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT

TOWNS OF WESTMINSTER, ROCKINGHAM & SPRINGFIELD
COUNTIES OF WINDHAM & WINDSOR
INTERSTATE ROUTE 91 NB

BEGINNING ON INTERSTATE 91NB IN WESTMINSTER AT STATION 1583+74.00 (MM 29.995) AND EXTENDING NORTHERLY ALONG INTERSTATE 91NB A DISTANCE OF 78,724.40 FEET (14.910 MILES) TO STATION 2370+98.40 (MM 44.905) IN SPRINGFIELD.



BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
	I-91 NB
DESIGN LANE/DESIGN LIFE ESAL	17,124,000
DESIGN NUMBER OF GYRATIONS	80
PERFORMANCE GRADED ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS

PROJECT DATA

FROM TO
1583+74.00 (MM 29.995) 2370+98.40 (MM 44.905)
LENGTH OF ROADWAY = 14.910 MILES (78,724.40 FEET)
LENGTH OF PROJECT = 14.910 MILES (78,724.40 FEET)

RECORD PLANS

CONTRACTOR: KUBRICKY CONSTRUCTION CORP. - GLENS FALLS, NY
RESIDENT ENGINEER: GERALD (BUTCH) COLBY
CONSTRUCTION BEGAN: JULY 27, 2010
CONSTRUCTION COMPLETE: AUGUST 19, 2011
RECORD PLANS BY: GERALD COLBY & JENNA HYDE

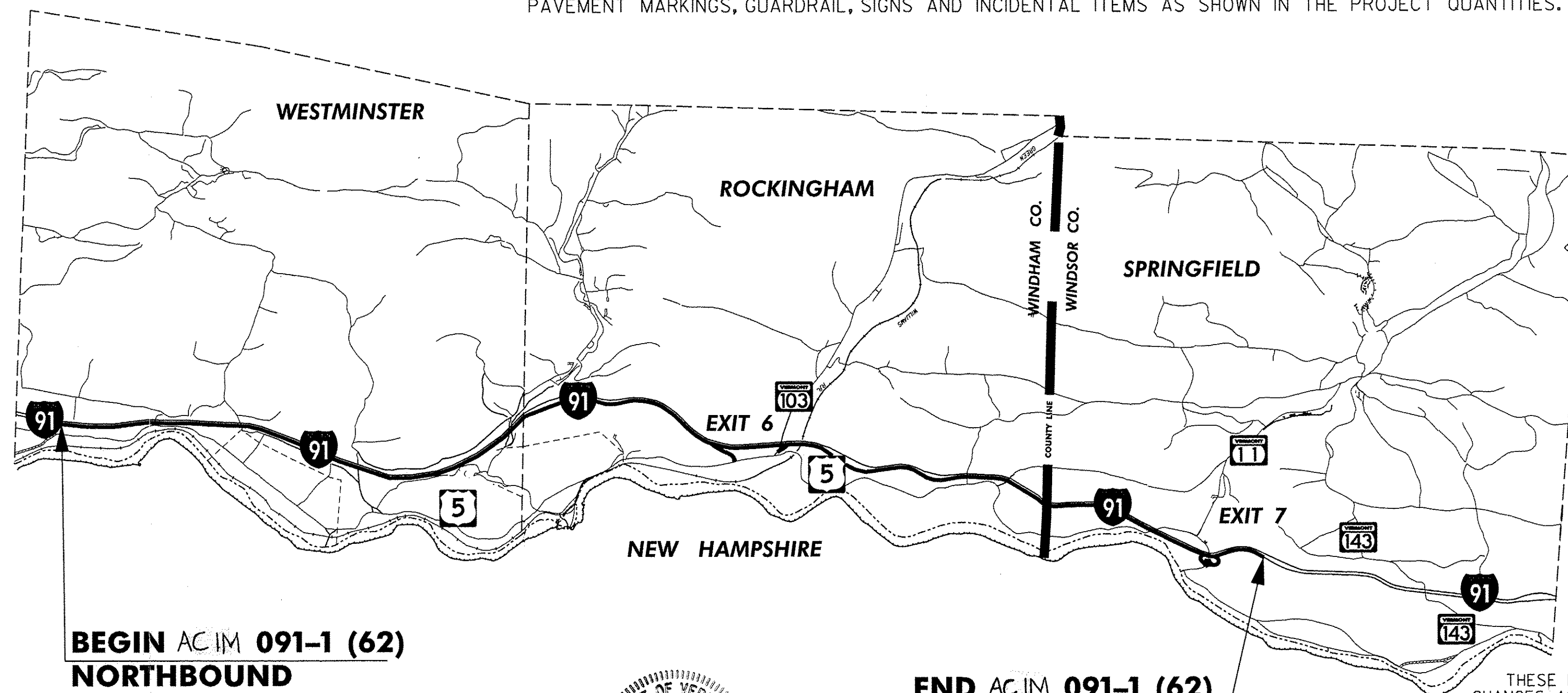
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY *[Signature]* RESIDENT ENGINEER

DATE 1/4/13

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE NORTHBOUND LANE AND NORTHBOUND INTERCHANGE RAMPS WITH A LEVELING COURSE AND A WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND INCIDENTAL ITEMS AS SHOWN IN THE PROJECT QUANTITIES.

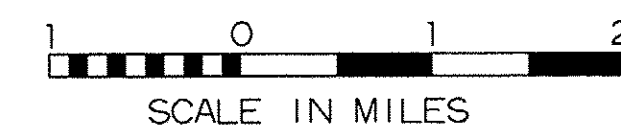


BEGIN AC IM 091-1 (62)
NORTHBOUND
STA 1583+74.00
(MM 29.995)

END AC IM 091-1 (62)
NORTHBOUND
STA 2370+98.40
(MM 44.905)



[Signature]



CLD CONSULTING ENGINEERS
540 Commercial Street
Manchester, NH 03101
Tel: (603) 669-8223
Fax: (603) 669-8802
email: clde@cldeing.com
Maine • New Hampshire • Vermont

CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

UNLESS OTHERWISE NOTED, ALL DRAWING AND DETAILS ON THE PLANS ARE DRAWN "NOT TO SCALE".
RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR
APPROVED <i>[Signature]</i> DATE 5-4-10
DIRECTOR OF PROJECT DEVELOPMENT
APPROVED <i>[Signature]</i> DATE 3/13/10
PROJECT MANAGER: MICHAEL FOWLER
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: ACIM 091-1(62)
SHEET 1 OF 43 SHEETS

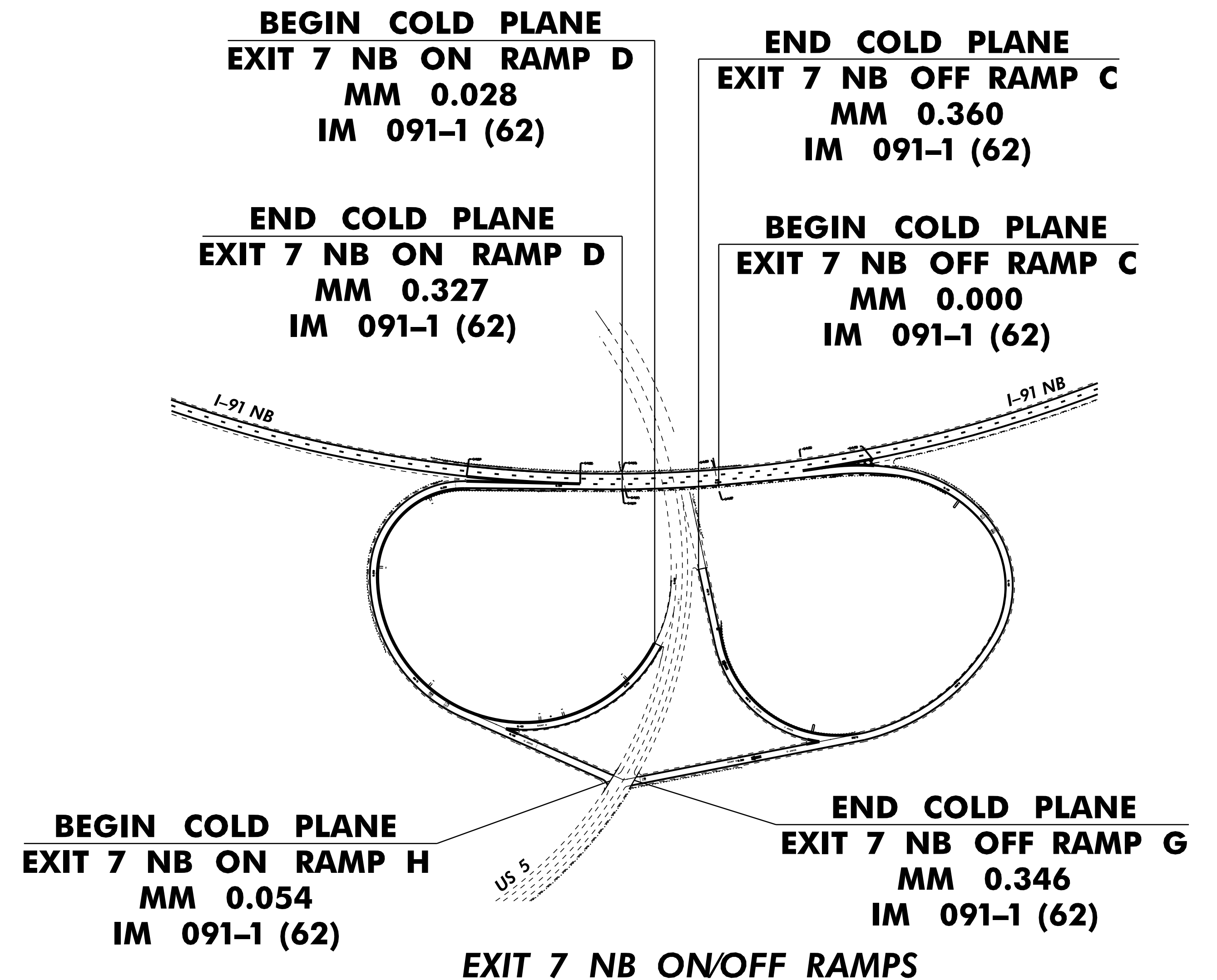
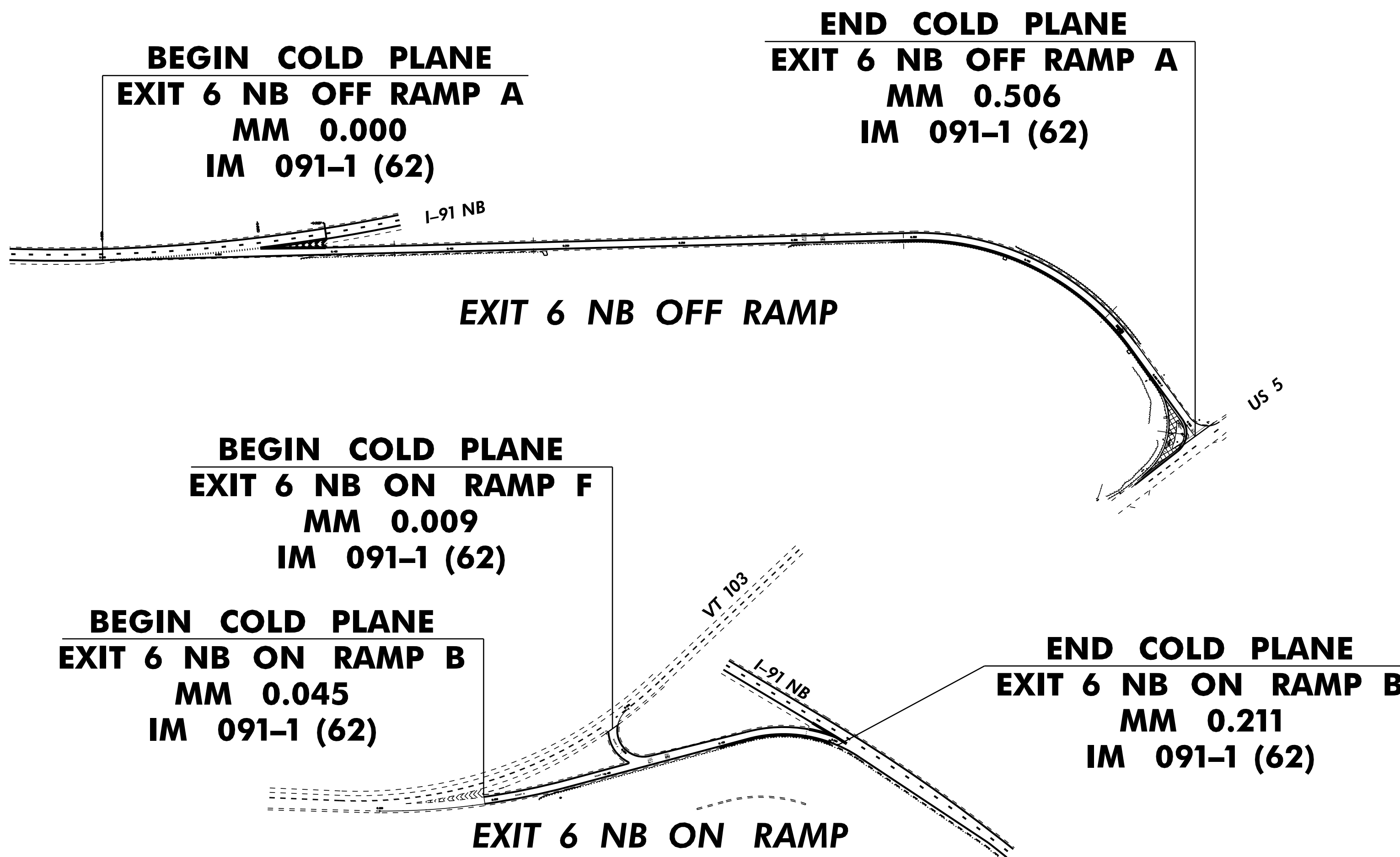
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CLD 09-0176 - Z01A014.dgn
MODEL: Default

INDEX OF STANDARD PLANS

STD	DATE	DESCRIPTION
C-10	2/11/2008	CURBING
D-9	6/1/1994	REINFORCED CONCRETE DROP INLET TOPS - VERTICAL CURB & THROAT ADAPTER
D-15	6/1/1994	PRECAST REINF. CONC. CATCH BASIN W/CAST IRON GRATE, PRECAST REINF. CONC. MANHOLE W/ CAST IRON COVER, CAST IRON GRATE WITH FRAME, TYPE D - CAST IRON GRATE WITH FRAME, TYPE E
E-100	1/2/2004	CONSTRUCTION APPROACH SIGNS
E-100A	1/2/2004	SIDE ROAD CONSTRUCTION APPROACH SIGNS
E-101	5/30/2003	CONSTRUCTION SIGN DETAILS
E-102	6/30/2003	CONSTRUCTION SIGN DETAILS
E-102A	5/1/2004	CONSTRUCTION SIGN DETAILS
E-103	3/1/2004	MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED
E-105	5/1/2004	TRAFFIC CONTROL FOR CONSTRUCTION VEHICLE U-TURNS ON DIVIDED HIGHWAY
E-106	3/1/2004	TRAFFIC CONTROL MISCELLANEOUS DETAILS
E-107	6/30/2003	DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY
E-107A	6/8/2009	BREAKAWAY BARRICADE DETAILS
E-108	6/8/2009	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS
E-110	8/8/1995	MAJOR MAINTENANCE OPERATION LANE CLOSURE
E-111	3/11/1997	MINOR MAINTENANCE OPERATION
E-120	8/8/1995	STANDARD SIGN PLACEMENT - EXPRESSWAY AND FREEWAY
E-121	8/8/1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
E-123	3/16/2004	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS
E-139	5/1/2004	MILEMARKER DETAILS - INTERSTATE
E-142	9/20/1995	REGULATORY SIGN DETAILS
E-143	6/15/2004	REGULATORY SIGN DETAILS
E-146	9/20/1995	REGULATORY SIGN DETAILS
E-150	5/1/2004	WARNING SIGN DETAILS
E-151	5/1/2004	WARNING SIGN DETAILS
E-155	5/1/2004	WARNING SIGN DETAILS
E-164	6/8/2009	SQUARE STEEL SIGN POST
E-191	2/1/1999	PAVEMENT MARKING DETAILS
E-192	10/12/2000	PAVEMENT MARKING DETAILS
E-193	8/18/1995	PAVEMENT MARKING DETAILS
E-197	4/1/2005	DELINEATOR PLACEMENT TYPICAL
E-198	4/1/2005	FREEWAY-EXPRESSWAY DELINEATORS AND MILEPOSTS
E-199	4/1/2005	FREEWAY-EXPRESSWAY DELINEATOR AND MILEPOST MOUNTING ON BRIDGE RAIL
F-2	6/1/1994	CHAIN LINK FENCE, TYPE I - DRIVE GATE FOR CHAIN LINK FENCE, TYPE I
G-1	1/3/2000	STEEL BEAM GUARDRAIL WITH STEEL POSTS, STEEL BEAM GUARDRAIL WITH WOOD POSTS
G-1d	1/3/2000	STEEL BEAM GUARDRAIL APPROACH AND TRAILING END TERMINAL, ANCHOR FOR STEEL BEAM RAIL, STEEL BEAM MEDIAN BARRIER
G-16	6/1/1994	STEEL BEAM GUARDRAIL ATTACHMENTS TO EXISTING BRIDGE, TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
G-19	11/15/2002	GENERIC PLANS FOR GUARDRAIL END TERMINALS
SB-R4B-82	3/30/1988	GUARD RAIL APPROACH SECTION, TYPE I & II
ESFM	7/10/1997	PERMANENT SNOW FENCE

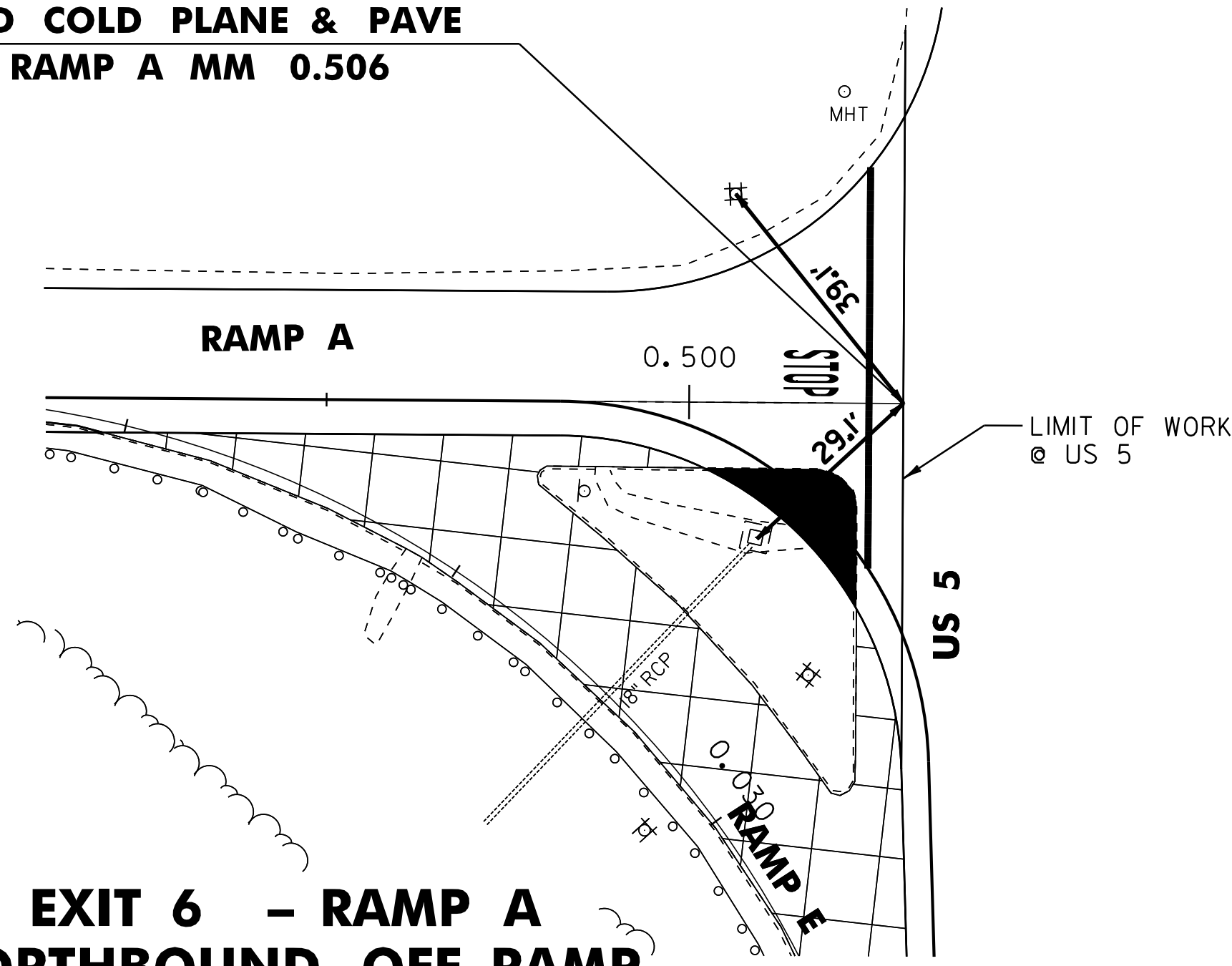
INDEX OF SHEETS

SHT	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS
3	TIE SHEET
4-7	PROJECT TYPICAL SHEETS
8	ASPHALTIC PLUG-TYPE JOINT DETAIL SHEET
9	TYPICAL PAVEMENT MARKINGS SHEET
10	CULVERT LOCATIONS SHEET
11-13	QUANTITY SHEETS
14-18	ITEM DETAIL SHEETS
19	MAINLINE LAYOUT SHEET
20-31	RAMP DETAIL SHEETS
32-37	TRAFFIC SIGN SUMMARY SHEETS
38-40	BRIDGE / GUARDRAIL TREATMENT DETAILS
41-42	MILLED RUMBLE STRIP DETAIL SHEETS
43	TEMPORARY TRAFFIC CONTROL PLAN

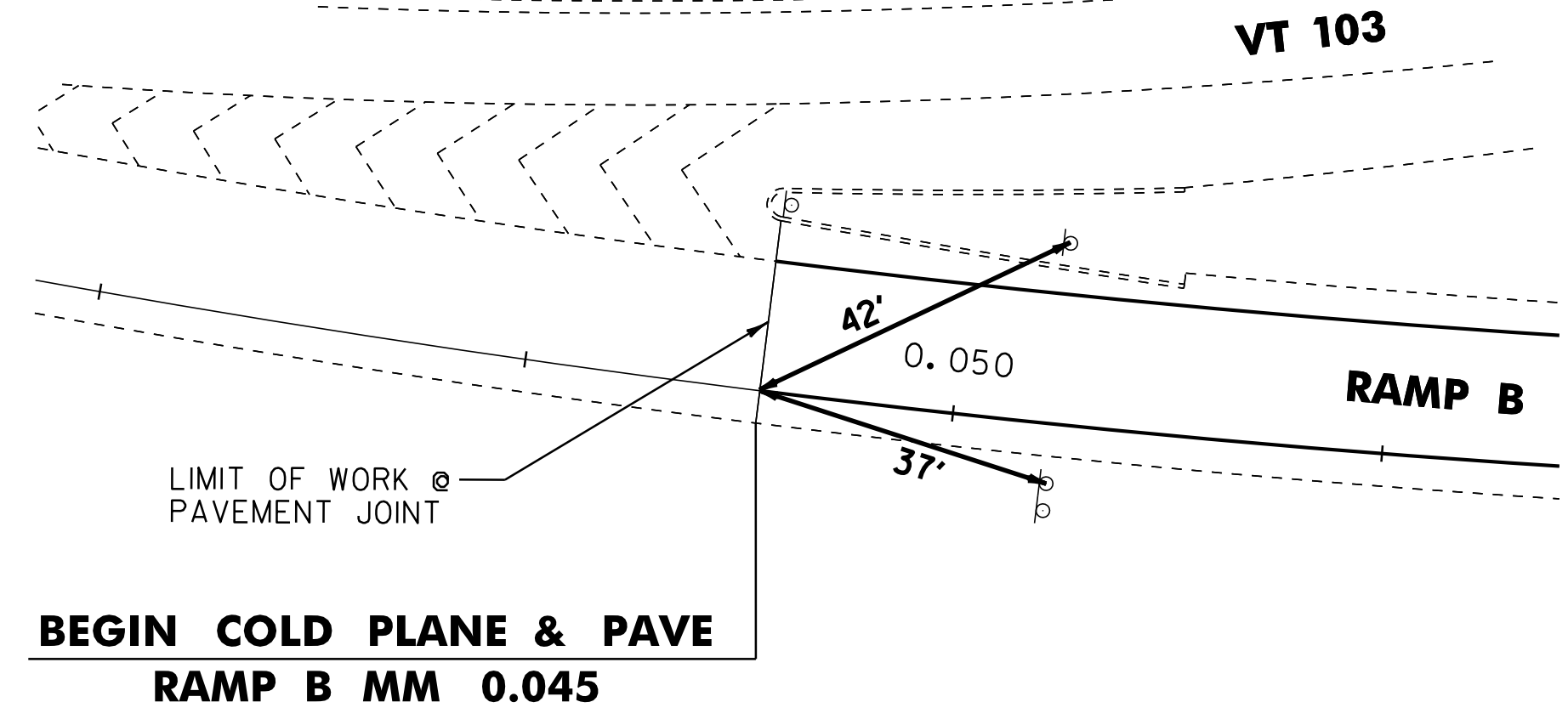


PROJECT NAME:	WESTMINSTER-SPRINGFIELD
PROJECT NUMBER:	IM 091-1 (62)
FILE NAME:	/pave/01a014/pa014
PROJECT LEADER:	PTS
DESIGNED BY:	NLL
IPARM FILE NAME:	01a014_02
PLOT DATE:	17-JAN-2013 12:43
DRAWN BY:	JBZ
CHECKED BY:	PTS
SHEET	2 OF 43

END COLD PLANE & PAVE
RAMP A MM 0.506

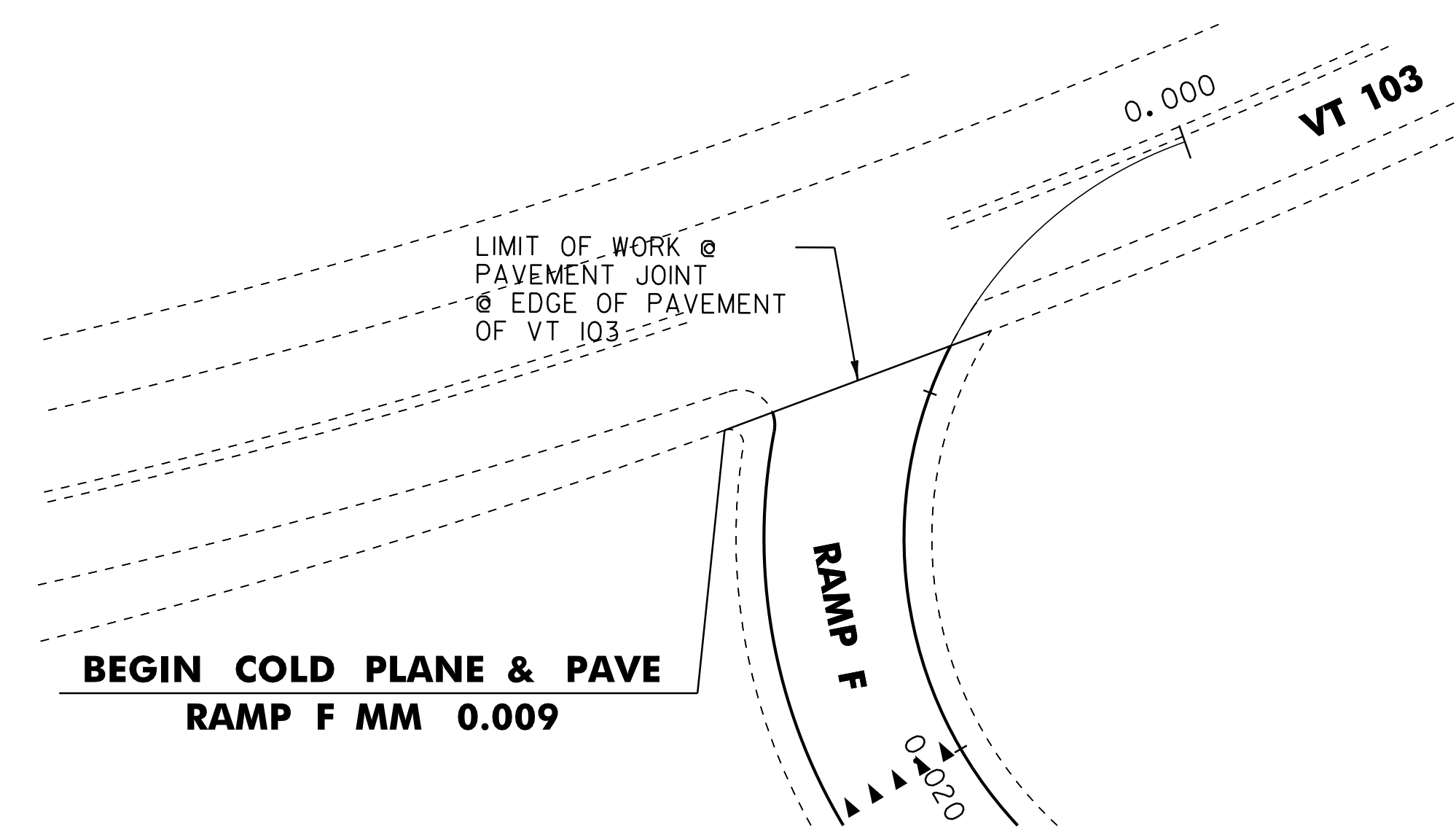


EXIT 6 - RAMP A
NORTHBOUND OFF RAMP



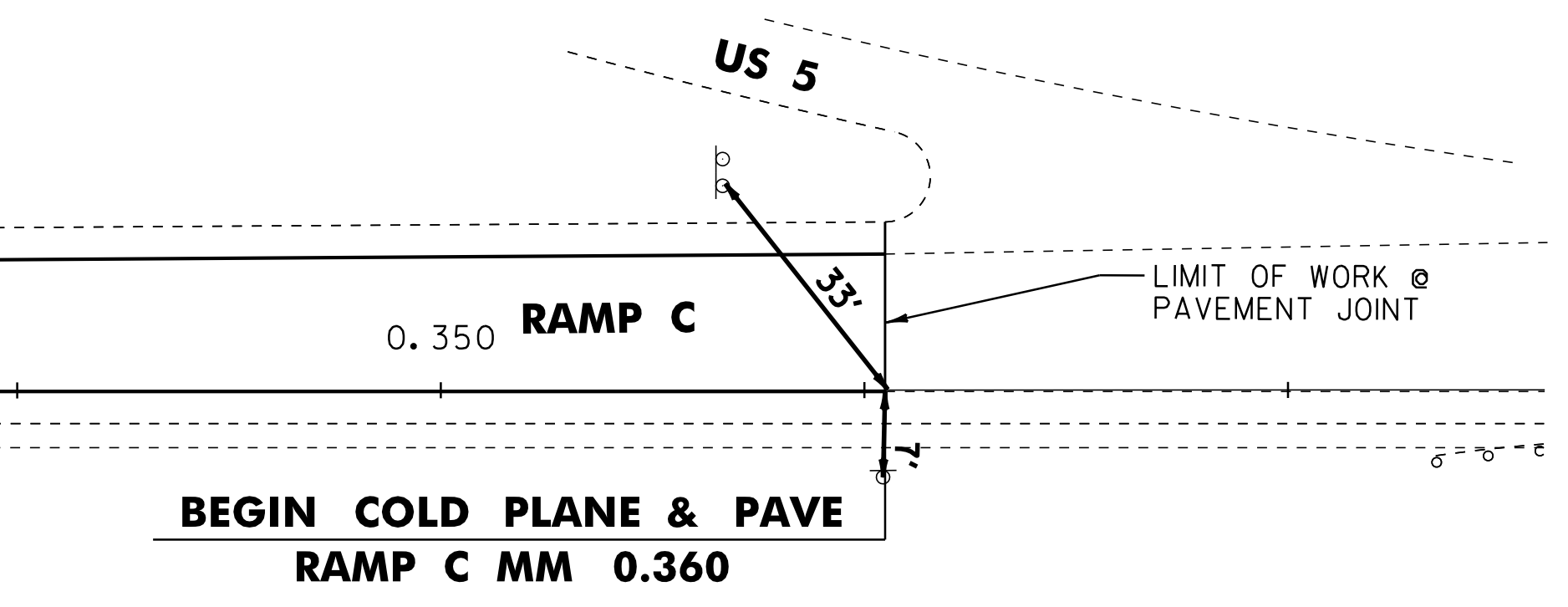
BEGIN COLD PLANE & PAVE
RAMP B MM 0.045

EXIT 6 - RAMP B
NORTHBOUND ON RAMP



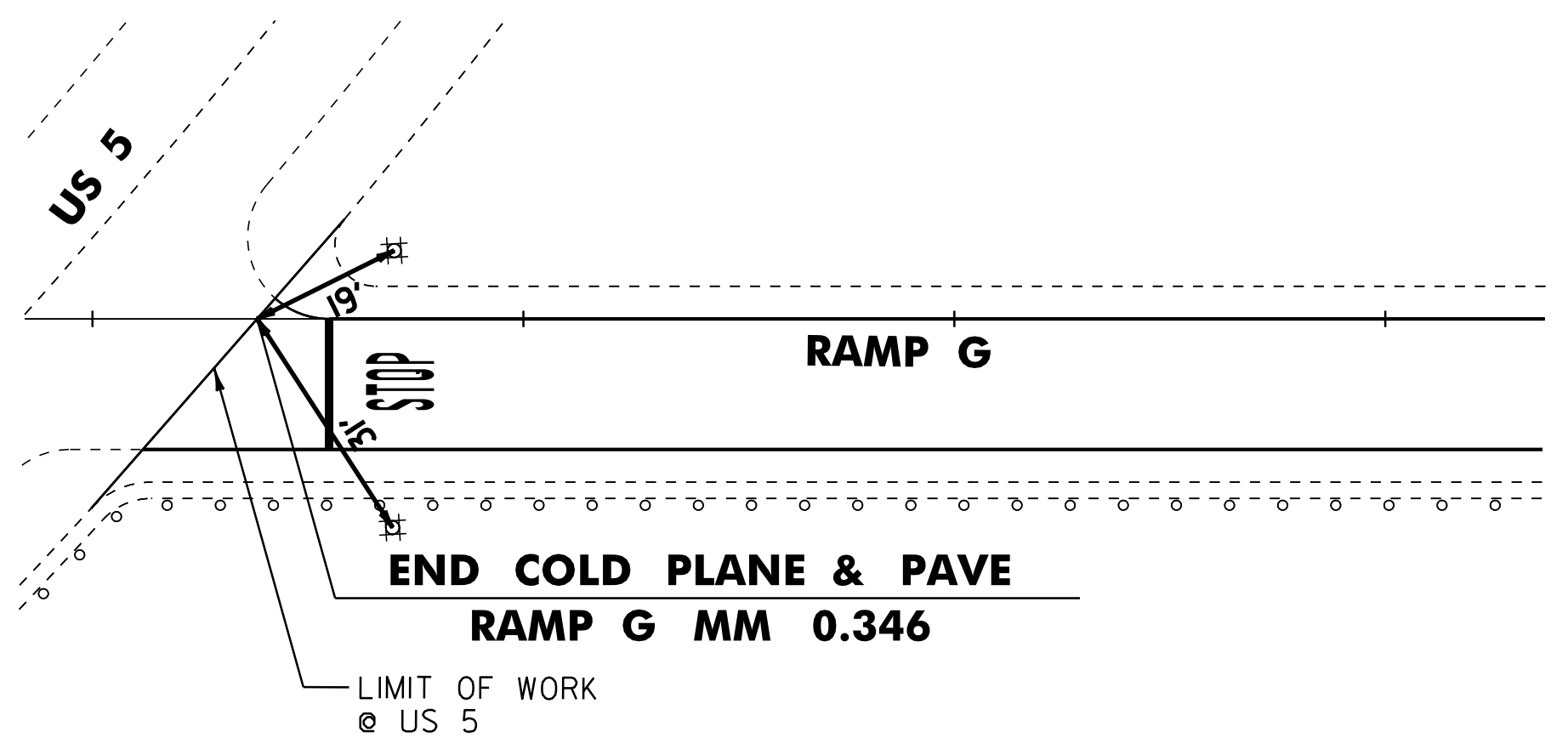
BEGIN COLD PLANE & PAVE
RAMP F MM 0.009

EXIT 6 - RAMP F
NORTHBOUND ON RAMP



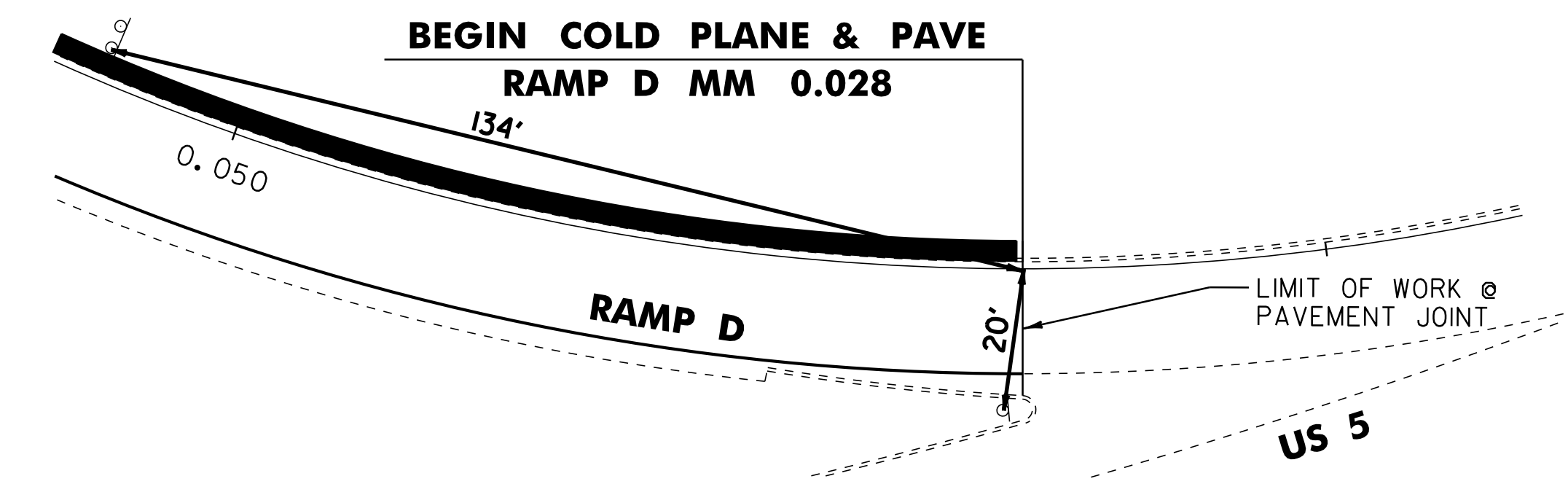
BEGIN COLD PLANE & PAVE
RAMP C MM 0.360

EXIT 7 - RAMP C
NORTHBOUND OFF RAMP



END COLD PLANE & PAVE
RAMP G MM 0.346

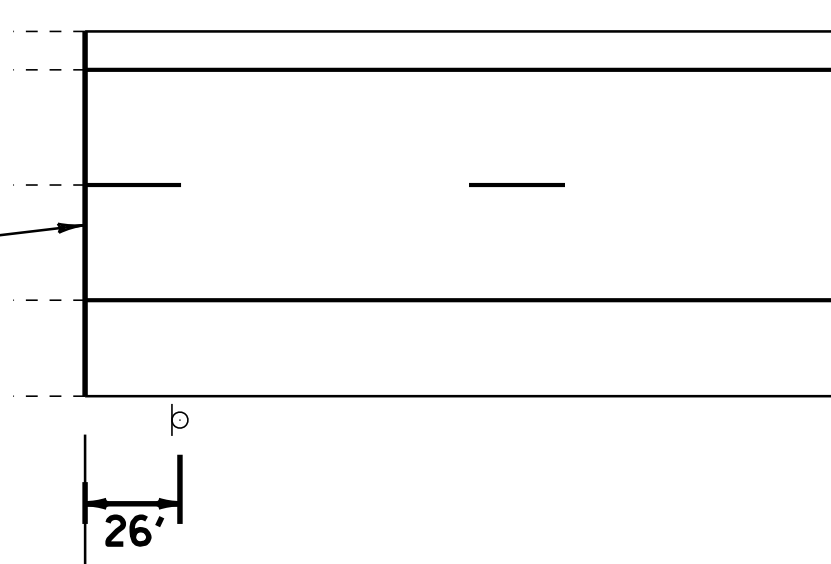
EXIT 7 - RAMP G
NORTHBOUND OFF RAMP



BEGIN COLD PLANE & PAVE
RAMP D MM 0.028

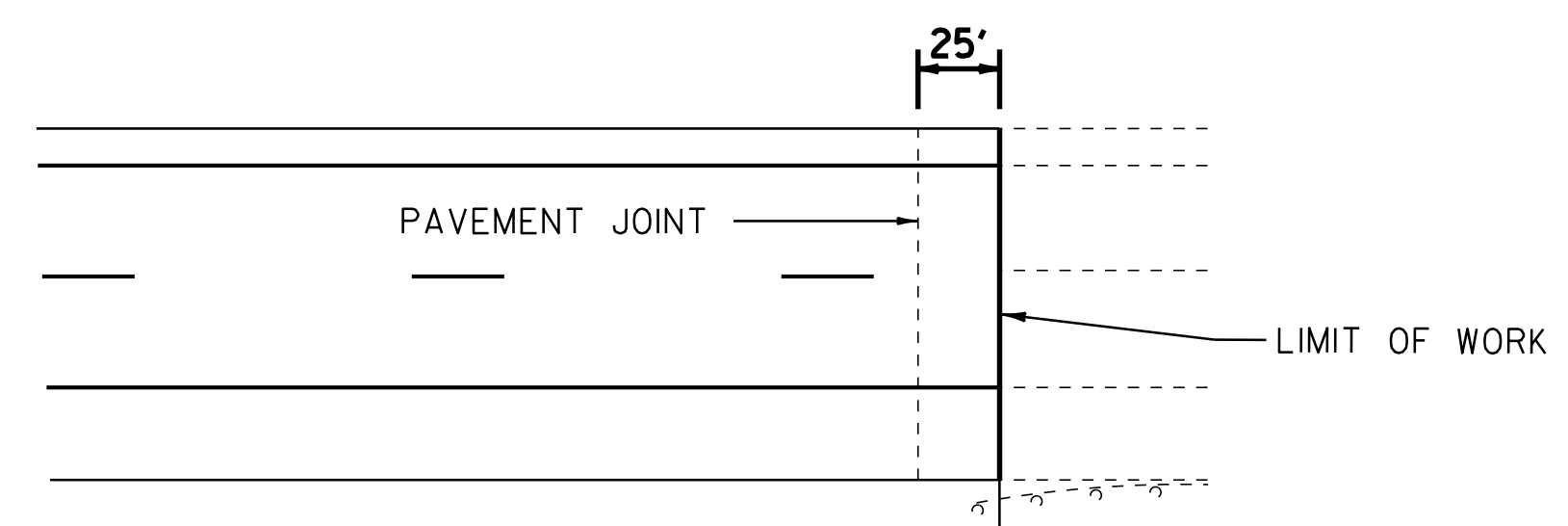
EXIT 7 - RAMP D
NORTHBOUND ON RAMP

LIMIT OF WORK
 26' FROM EXIST.
 MM 30 SIGN



BEGIN COLD PLANE & PAVE
MM 29.995 = 1583+74

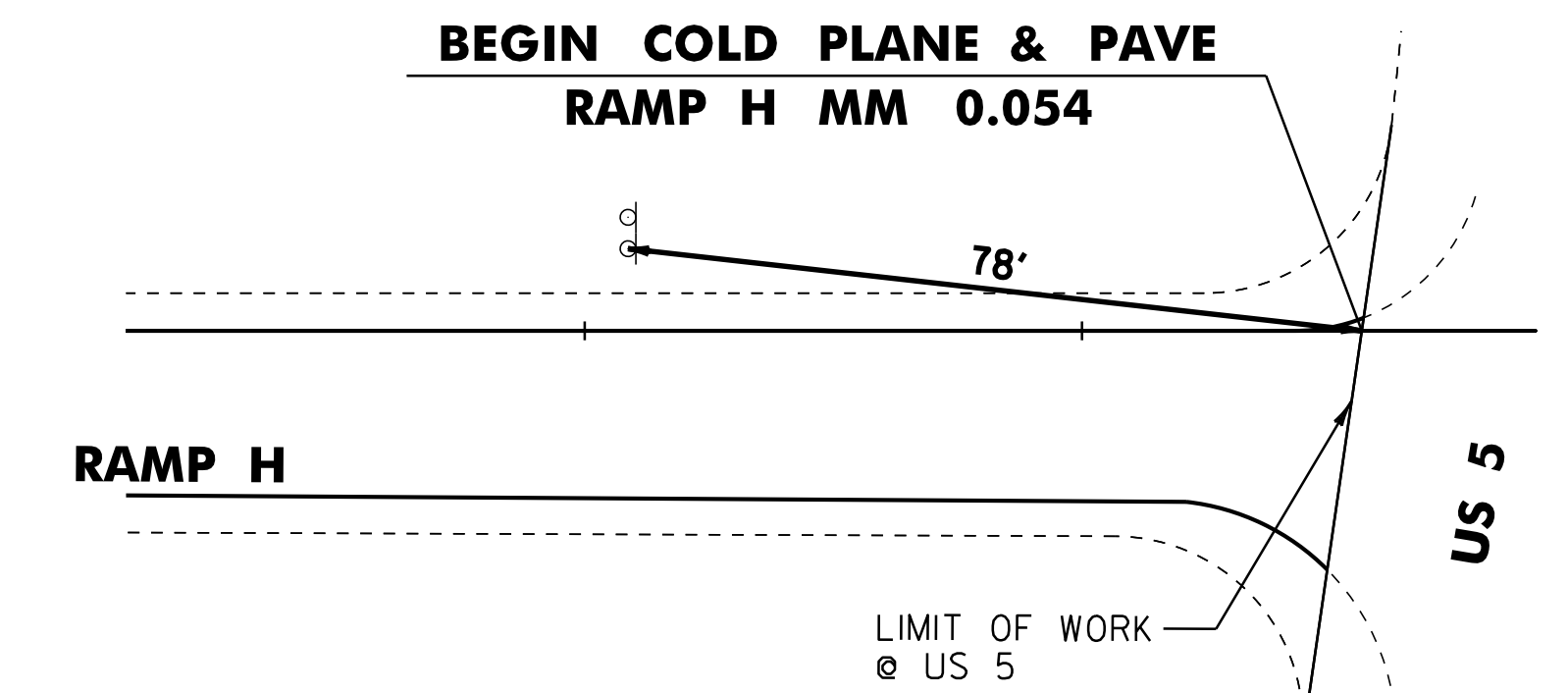
INTERSTATE 91
BEGIN IM 091-1(62)



END COLD PLANE & PAVE
MM 44.905 = STA 2370+98.4

INTERSTATE 91
END IM 091-1(62)

NOT TO SCALE



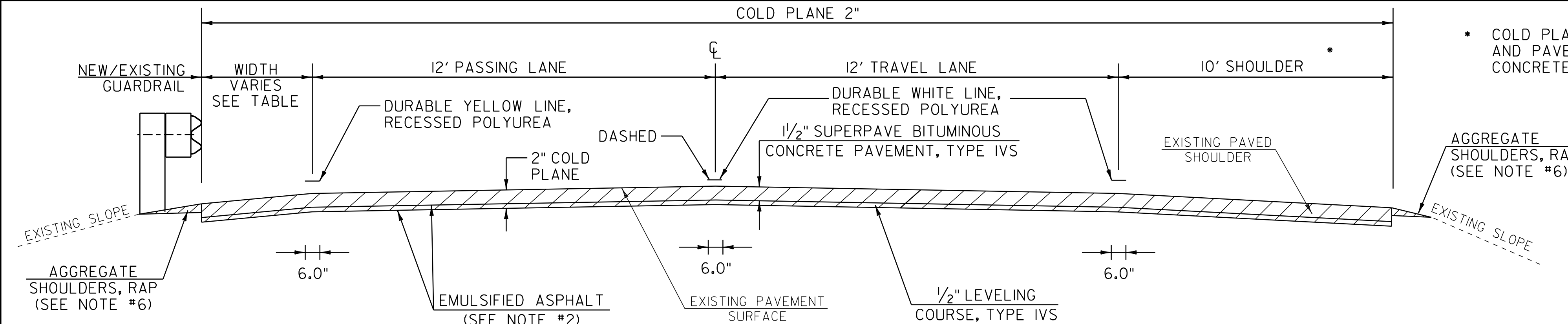
BEGIN COLD PLANE & PAVE
RAMP H MM 0.054

EXIT 7 - RAMP H
NORTHBOUND ON RAMP

TIE SHEET

PROJECT NAME: WESTMINSTER-SPRINGFIELD
 PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
 PROJECT LEADER: PTS
 DESIGNED BY: NULL
 IPARM FILE NAME: 01a014_03
 PLOT DATE: 17-JAN-2013 12:43
 DRAWN BY: JBZ
 CHECKED BY: PTS
 SHEET 3 OF 43



COLD PLANE 2" LEVEL WITH 1/2", TYPE IVS, AND PAVE WITH 1 1/2" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, TYPE IVS.

GENERAL NOTES

- COLD PLANE, LEVEL AND PAVE MAINLINE AND RAMPS AS NOTED IN PROJECT PAVING LIMITS TABLE. PAVING SHALL BE COMPLETED AS SHOWN ON THE TYPICALS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN BITUMINOUS CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH SECTION 490 OF THE GENERAL SPECIAL PROVISIONS.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO THE TYPICAL SECTION OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL RAMP APPROACHES AS NOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL BUTT JOINTS SHALL BE SAW CUT, INCIDENTAL TO ITEM 210.10, COLD PLANING, BITUMINOUS PAVEMENT.
- ESTIMATED QUANTITIES OF ITEM 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I, 608.37, TRUCK RENTAL AND 608.40, LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES. 25 CUBIC YARDS OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR FLARES. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3 INCH DEPTH OF DITCHING MATERIAL OR ITEM 651.35, TOPSOIL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ITEM 653.20, TEMPORARY EROSION MATTING, SHALL BE PLACED ON SLOPES GREATER THE 1:6 CREATED BY THE GUARDRAIL FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20, TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL FLARE.
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.I3, AGGREGATE SHOULDERS, RAP.
- ITEMS 604.412, .415 AND .418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, II, & III ARE ESTIMATED AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL DROP INLETS AND CATCH BASINS SHALL BE RAISED OR REHABILITATED SUCH THAT THE GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- COMPACTION, GRADING AND CLEAN UP ITEM 402.I3, AGGREGATE SHOULDERS, RAP AND ITEM 651.35, TOPSOIL IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
- AREAS ADJACENT TO THE SHOULDER, WHERE GUARDRAIL IS BEING RETAINED, THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED TO ALLOW THE SHOULDER TO DRAIN. PAYMENT IS TO BE INCLUDED UNDER ITEM 203.40, SHOULDER BERM REMOVAL. ALL OTHER AREAS, AS NECESSARY, WITH BUILT UP EXCESS MATERIAL SHALL BE GRADED TO ALLOW THE SHOULDER TO DRAIN, SHALL BE INCLUDED UNDER ITEM 608.I5, POWER GRADER RENTAL.
- ALL DELINEATORS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED. THIS WORK WILL BE PAID FOR UNDER ITEMS 676.I0, DELINEATOR WITH STEEL POST AND 676.I2, REMOVAL OF EXISTING DELINEATOR.
- NO NIGHT PAVING WILL BE ALLOWED EXCEPT AS REQUIRED ON INTERCHANGES 6 AND 7.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES AND EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE FEATURES ON A REGULAR BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED PRIOR TO THE COMPLETION OF THE PROJECT BY THE CONTRACTOR AT NO COST TO THE STATE.
- WEIGH STATION/REST AREAS, INCLUDING THE RAMPS TO THESE, SHALL NOT BE TREATED.

MAINLINE TYPICAL SECTION - NB

WESTMINSTER:		ROCKINGHAM:		SPRINGFIELD:	
29.995 TO 31.000	31.105 TO 31.291	31.291 TO 33.641	33.671 TO 35.196	39.188 TO 40.911	40.954 TO 41.232
		35.231 TO 35.425	35.592 TO 39.188	41.296 TO 41.542	41.558 TO 41.676
				41.720 TO 44.905	

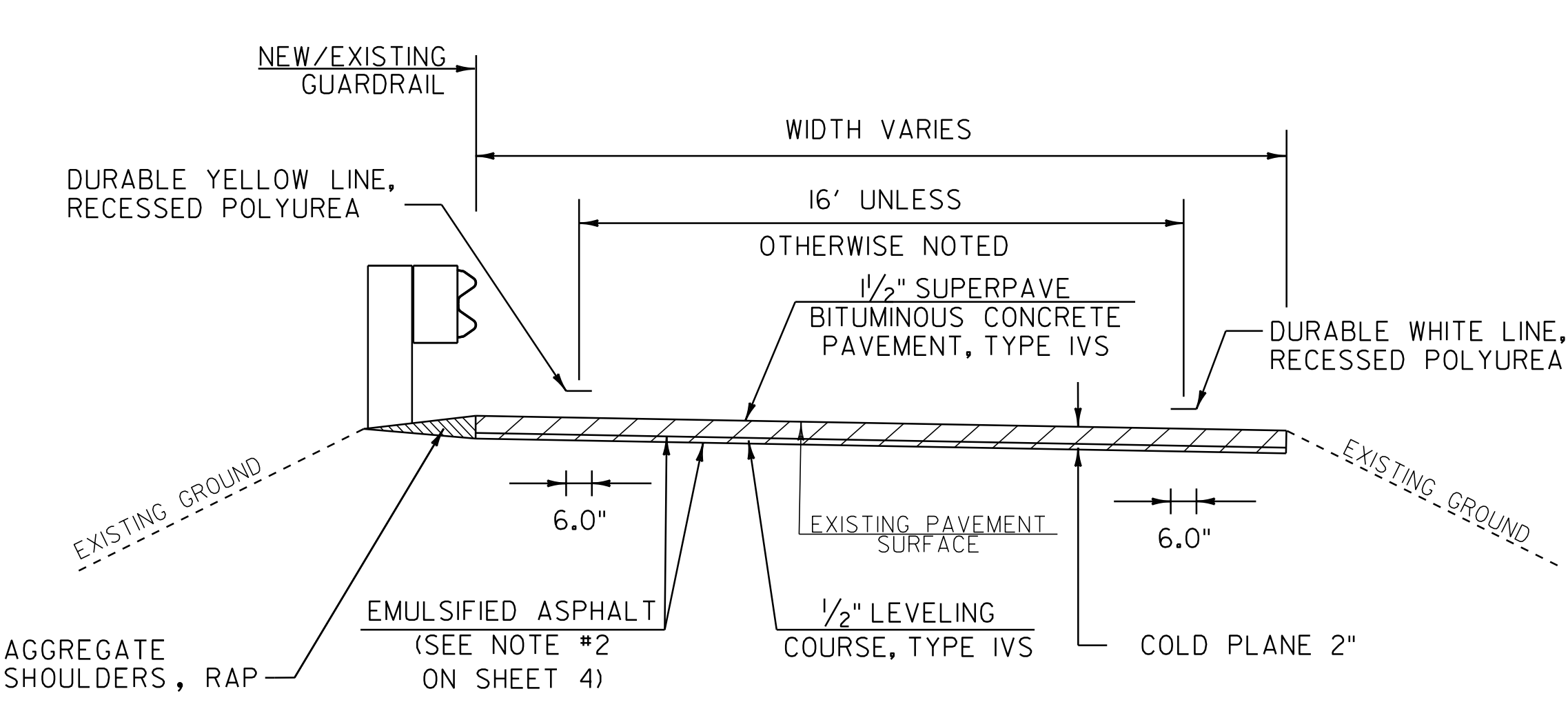
PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	LEFT SHOULDER	LANE TYPICAL	RIGHT SHOULDER	WEARING DEPTH	LEVELING	NOTES
I-91 NB WESTMINSTER	29.995	31.000	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	31.000	31.105	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 21N
	31.105	31.291	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
ROCKINGHAM	31.291	33.641	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	33.641	33.671	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 22N
	33.671	35.196	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	35.196	35.231	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 23N
	35.231	35.425	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	35.425	35.592	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 24N
SPRINGFIELD	35.592	39.188	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	39.188	40.911	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	40.911	40.954	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 25N
	40.954	41.232	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	41.232	41.296	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 26N
	41.296	41.542	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
EXIT 6 NB OFF RAMP A	41.542	41.558	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 27N
	41.558	41.676	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	41.676	41.720	3	12-12	3	1 1/4" IVS		COLD PLANE 1 1/4" AND OVERLAY 1 1/4", BRIDGE 28N
	41.720	44.905	4	12-12	10	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.096	0.106	VARIES	16	3	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP B	0.106	0.340	4	16	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.340	0.345	4	16	VARIES	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.345	0.459	4	16	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.459	0.495	4	VARIES	VARIES	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.045	0.055	VARIES	16	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP F	0.055	0.108	4	16	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.108	0.137	VARIES	VARIES	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.137	0.150	4	16	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.150	0.188	4	16	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
0.009	0.022	4	20	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY	
EXIT 7 NB OFF RAMP C	0.068	0.082	VARIES	VARIES	VARIES	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.082	0.174	4	16	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.174	0.248	4	16	3	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.248	0.270	VARIES	VARIES	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.270	0.333	4	16	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
NB OFF RAMP G	0.333	0.360	4	16	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.270	0.346	4	16	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP D	0.028	0.035	VARIES	15	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.035	0.100	3	15	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.100	0.125	4	VARIES	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
	0.125	0.258	4	16	1	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY
NB ON RAMP H	0.054	0.100	4	VARIES	4	1 1/2" IVS	1/2"	COLD PLANE 2", LEVEL AND OVERLAY

NOT TO SCALE

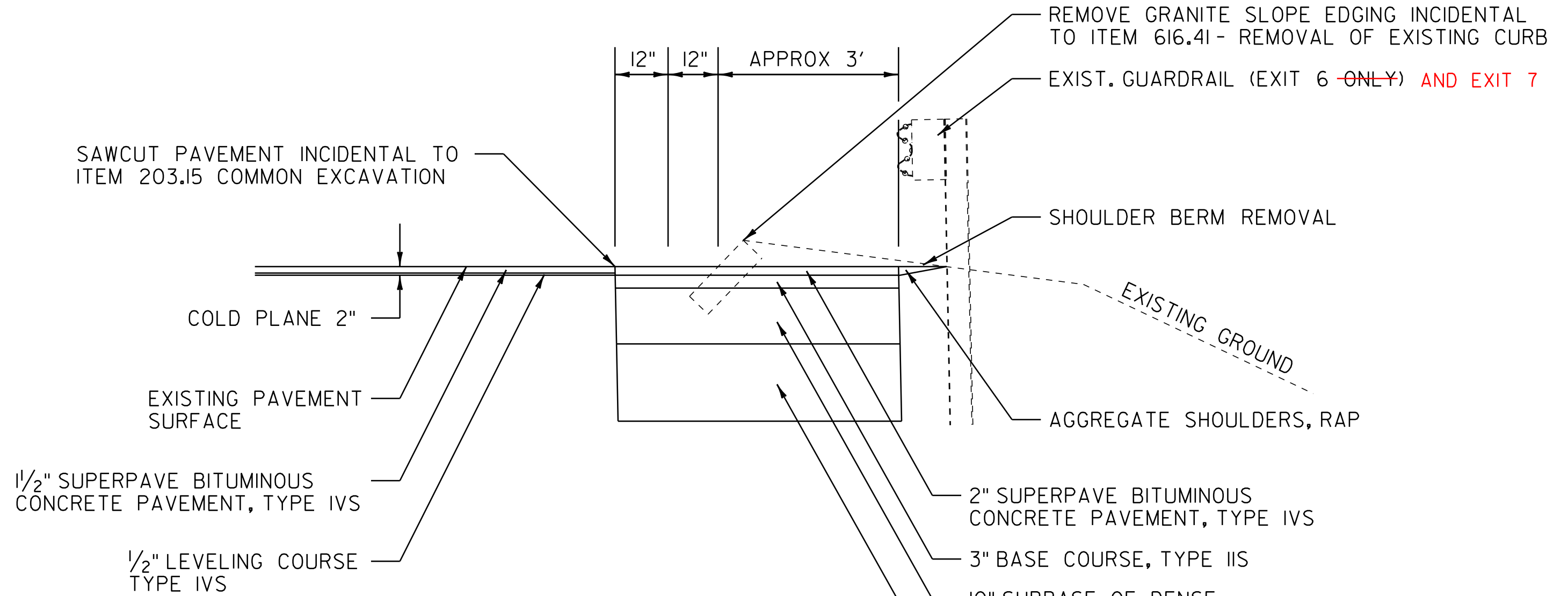
PROJECT TYPICAL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD	
PROJECT NUMBER: IM 091-1(62)	
FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT LEADER: PTS	DRAWN BY: JBZ
DESIGNED BY: NLL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_04	SHEET 4 OF 43



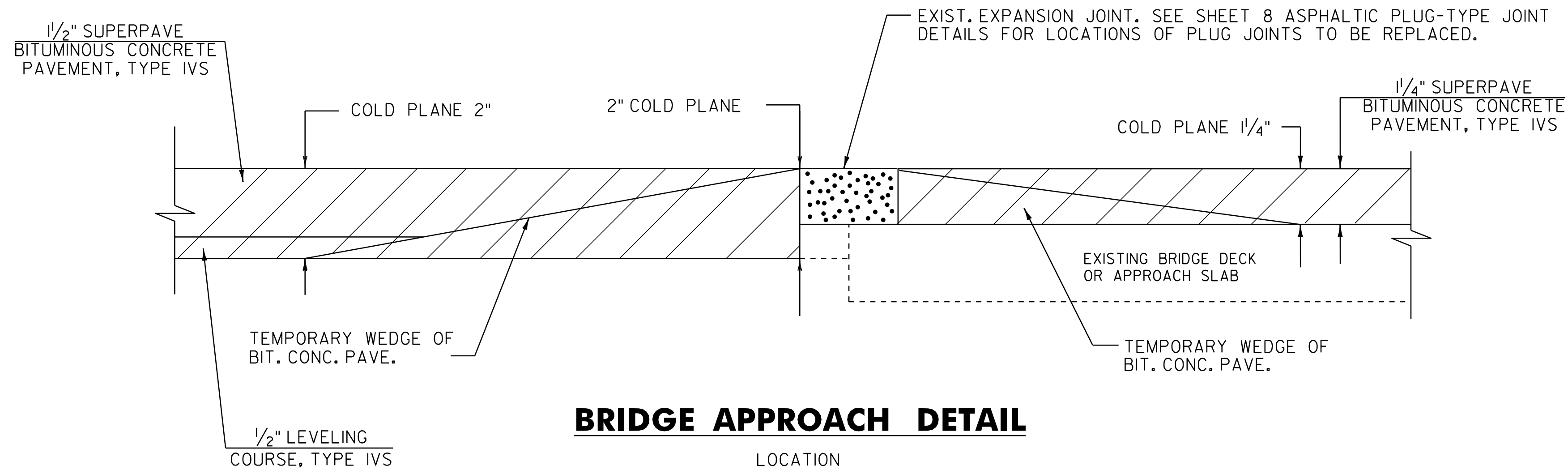
RAMP PAVEMENT TYPICAL

- LOCATION
- EXIT 6 NB OFF RAMP A - SEE SHEETS 20, 21, 22
 - EXIT 6 NB ON RAMP B - SEE SHEETS 23, 24, 25
 - EXIT 6 NB ON RAMP F - SEE SHEETS 24
 - EXIT 7 NB OFF RAMP C - SEE SHEETS 29, 30, 31
 - EXIT 7 NB OFF RAMP G - SEE SHEETS 30, 31
 - EXIT 7 NB ON RAMP D - SEE SHEETS 26, 27, 28
 - EXIT 7 NB ON RAMP H - SEE SHEETS 26



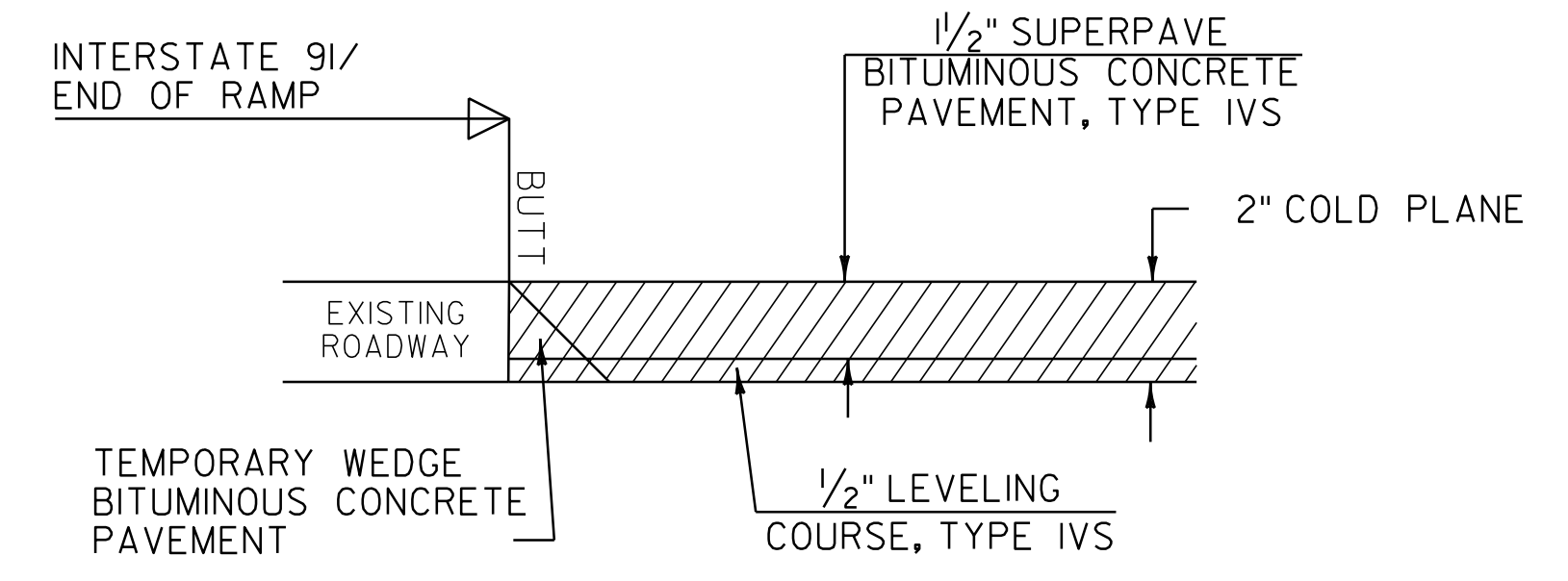
RAMP WIDENING DETAIL

- LOCATION
- EXIT 6 NB OFF RAMP - RAMP A
 - EXIT 6 NB ON RAMP - RAMP B
 - EXIT 7 NB ON RAMP - RAMP D
 - EXIT 7 NB OFF RAMP - RAMP C



BRIDGE APPROACH DETAIL

- | | | | |
|--------------|---|--------------|--|
| WESTMINSTER: | BRIDGE 21N 1637+30 (MM 31.009) (PLUG-TYPE JOINT) | SPRINGFIELD: | BRIDGE 26N 2177+17 (MM 41.234) (PLUG-TYPE JOINT) |
| | BRIDGE 21N 1642+02 (MM 31.099) (PLUG-TYPE JOINT) | | BRIDGE 26N 2178+73 (MM 41.264) (PLUG-TYPE JOINT) STEEL FINGER PLATE JOINT |
| ROCK INGHAM: | BRIDGE 22N 1776+24 (MM 33.641) (PLUG-TYPE JOINT) | | BRIDGE 26N 2180+29 (MM 41.293) (PLUG-TYPE JOINT) |
| | BRIDGE 22N 1776+74 (MM 33.650) (PLUG-TYPE JOINT) | | BRIDGE 27N 2193+26 (MM 41.539) (PLUG-TYPE JOINT) |
| | BRIDGE 22N 1777+24 (MM 33.660) (PLUG-TYPE JOINT) | | BRIDGE 27N 2194+26 (MM 41.558) (PLUG-TYPE JOINT) |
| | BRIDGE 22N 1777+72 (MM 33.669) (PLUG-TYPE JOINT) | | BRIDGE 28N 2200+50 (MM 41.676) (FINGER PLATE JOINT) |
| | BRIDGE 23N 1858+35 (MM 35.196) (PLUG-TYPE JOINT) | | BRIDGE 28N 2202+80 (MM 41.720) (FINGER PLATE JOINT) |
| | BRIDGE 23N 1858+98 (MM 35.208) (PLUG-TYPE JOINT) | | |
| | BRIDGE 23N 1859+61 (MM 35.220) (PLUG-TYPE JOINT) | | |
| | BRIDGE 23N 1860+26 (MM 35.232) (PLUG-TYPE JOINT) | | |
| | BRIDGE 24N 1870+24 (MM 35.421) (PLUG-TYPE JOINT) | | |
| | BRIDGE 24N 1870+44 (MM 35.444) (PLUG-TYPE JOINT) | | |
| | BRIDGE 24N 1879+46 (MM 35.596) (PLUG-TYPE JOINT) } STEEL FINGER PLATE JOINT | | |
| | BRIDGE 24N 1879+26 (MM 35.592) (PLUG-TYPE JOINT) | | |
| | BRIDGE 25N 2160+10 (MM 40.911) (FINGER PLATE JOINT) | | |
| | BRIDGE 25N 2162+37 (MM 40.954) (FINGER PLATE JOINT) | | |
- ADD PLUG JOINT @ BR 28N (MM 41.698) COLD JOINT CRACK



MAINLINE /RAMP APPROACH AREA DETAIL

- LOCATION
- 29.995 NB, WESTMINSTER - BEGIN COLD PLANING
 - 44.995 NB, SPRINGFIELD - END COLD PLANING
 - 0.495 NB EXIT 6 OFF RAMP A
 - 0.017 NB EXIT 6 OFF RAMP E
 - 0.045 NB EXIT 6 ON RAMP B @ VT 103
 - 0.009 NB EXIT 6 ON RAMP F @ VT 103
 - 0.360 NB EXIT 7 OFF RAMP C @ US 5
 - 0.346 NB EXIT 7 OFF RAMP G
 - 0.028 NB EXIT 7 ON RAMP D @ US 5
 - 0.054 NB EXIT 7 ON RAMP H

PROJECT TYPICAL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: JBZ
	DESIGNED BY: NULL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_05	SHEET 5 OF 43

NOT TO SCALE

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

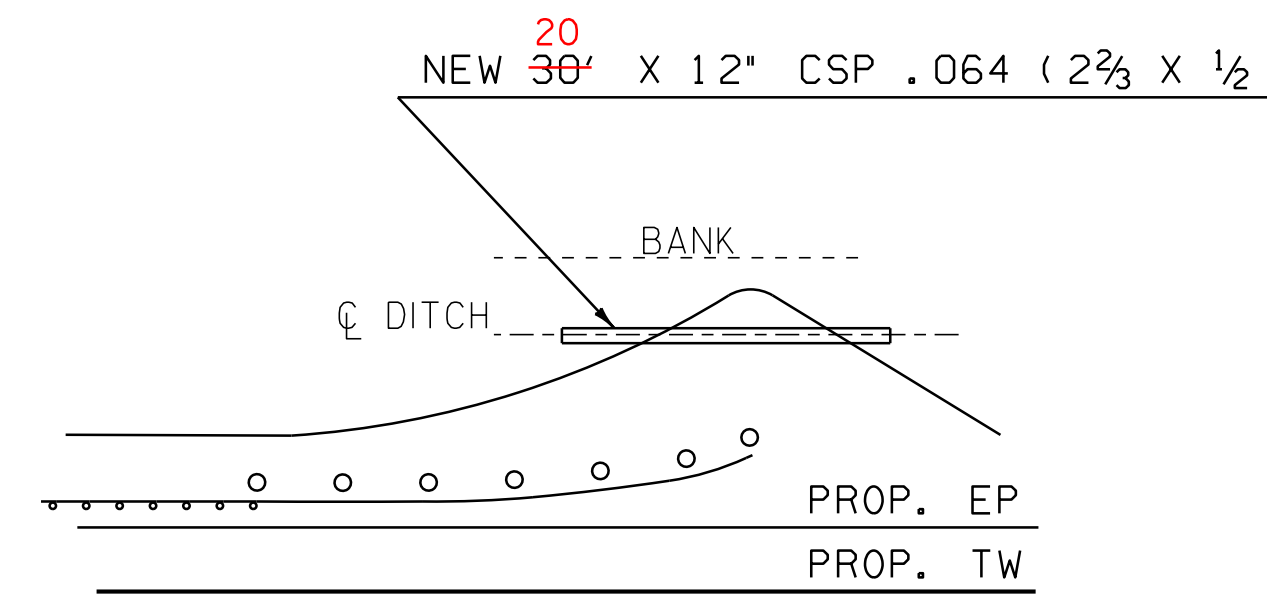
AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGHOUT THE PROJECT, SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).



PIPE AT MTS

LOCATION

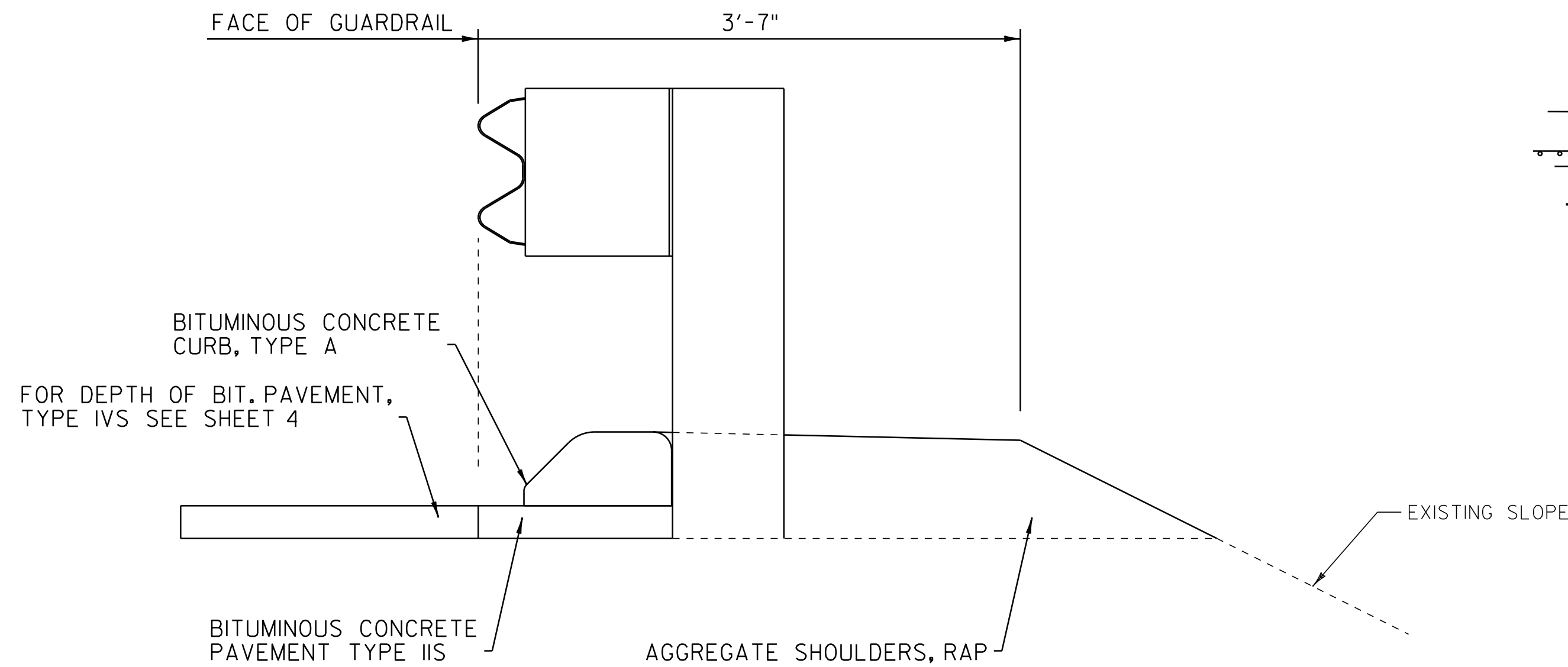
~~36.417 RT~~

~~39.330 RT~~

40.840 RT

ADD @ 42.85 RT

NOT USED AT THESE LOCATIONS

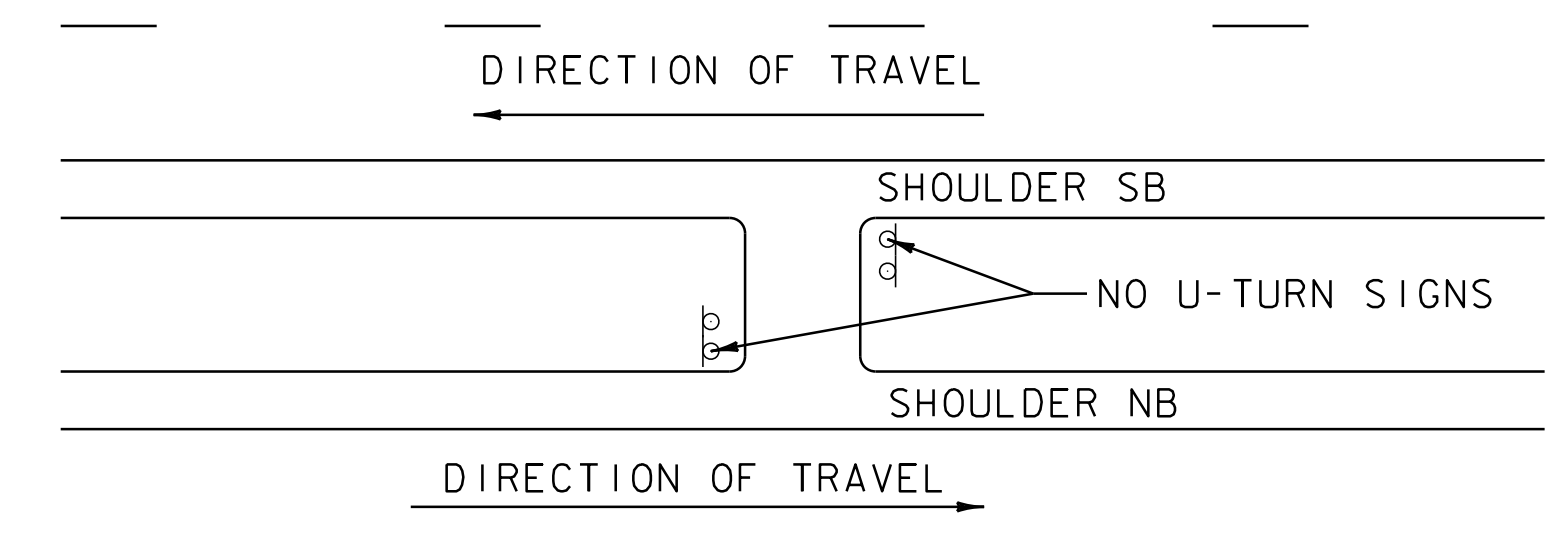


BITUMINOUS CONCRETE CURB, TYPE A DETAIL

SEE STANDARD SHEET C-10

NOTES:

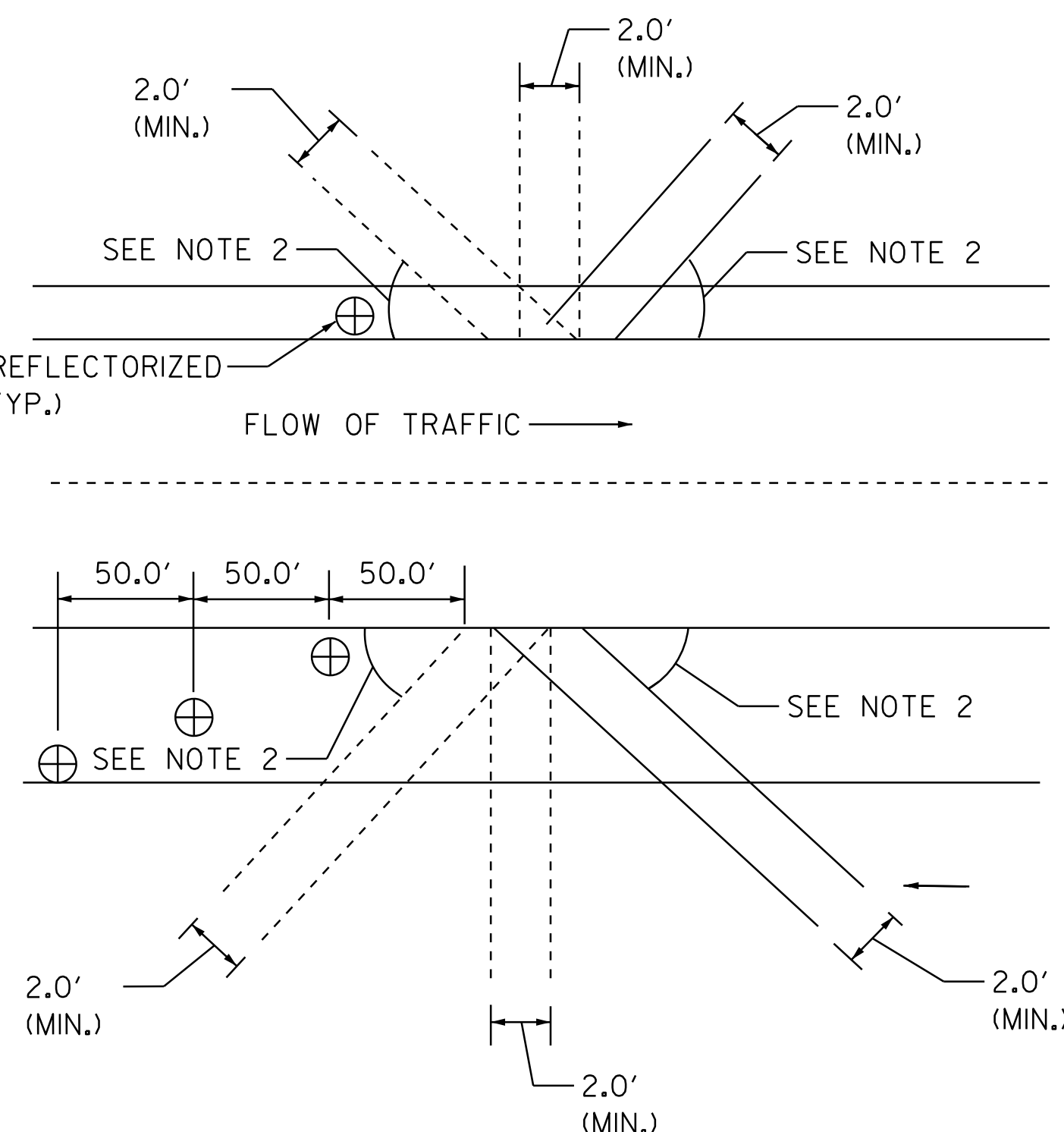
1. BLEEDERS ARE TO BE CUT WHILE COLD PLANING AT LOCATIONS SPECIFIED BY THE RESIDENT ENGINEER. INCIDENTAL TO ITEM 210.10-COLD PLANING, BITUMINOUS PAVEMENT.
2. ANGLE BLEEDERS TO BEST ACCEPT WATER FLOW.
3. CUT ALL BLEEDERS TO THE DEPTH OF COLD PLANING AND GRADE TO DRAIN.
4. BLEEDERS ARE TO BE FILLED DURING PAVING WITH ITEM 490.30 OR AS DESIGNATED BY THE RESIDENT ENGINEER.
5. ⊕ RETRO REFLECTORIZED DRUMS SHALL BE PLACED AS SHOWN TO WARN MOTORIST OF THE GAP IN THE SHOULDER.
6. BLEEDERS ARE NOT REQUIRED IF THE COLD PLANED AREAS ARE PAVED BACK THE SAME DAY.



U-TURN LOCATIONS

DO NOT PAVE

30.697 LT
30.740 LT
33.766 LT
34.564 LT
35.362 LT
35.719 LT
37.959 LT
39.519 LT
41.375 LT
43.255 LT



BLEEDER DETAIL

NOT TO SCALE

PROJECT TYPICAL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014

PROJECT LEADER: PTS

DESIGNED BY: NULL

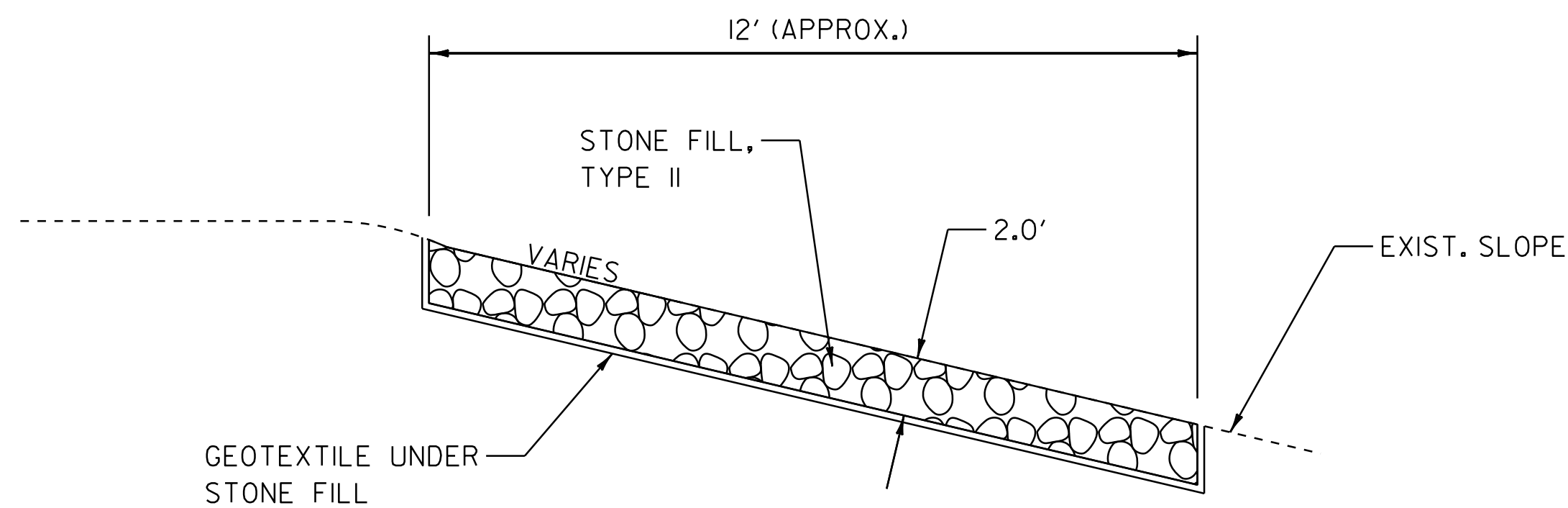
IPARM FILE NAME: 01a014_06

PLOT DATE: 17-JAN-2013 12:43

DRAWN BY: JBZ

CHECKED BY: PTS

SHEET 6 OF 43



STONE FILL DETAIL

LOCATION

SLOPE STABILIZATION { 32.505 LT
36.787 RT @ CULVERT (18" RCP) REPAIR

39.540 RT REMOVE PAVED SWALE }
37.020 RT REMOVE PAVED SWALE } TYPE II
40.592 RT REMOVE PAVED SWALE }
40.393 LT RELOCATED NEW SWALE }

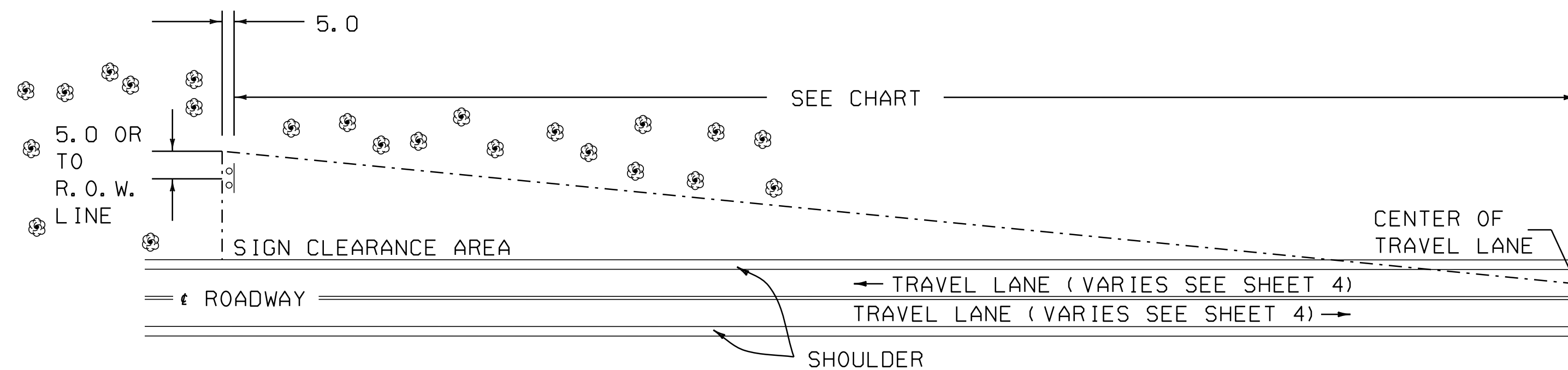
WORK COMPLETED IN 2010
ADDITIONAL LOCATIONS TO REMOVE EXISTING
PAVED SWALES NOT IDENTIFIED ON SHEET #19
OF 43 APPROVED BY JIM REDMOND (PROJECT
SUPERVISOR) ON 9/14/10

37.790 RT REMOVE PAVED SWALE }
40.425 RT REMOVE PAVED SWALE } TYPE I
42.720 RT REMOVE PAVED SWALE }
42.950 RT REMOVE PAVED SWALE }

EXIT 7 OFF RAMP "C" @ MM 0.107 RT REMOVE PAVED SWALE
@ MM 0.269 RT REMOVE PAVED SWALE

32.397 LT REMOVE PAVED SWALE }
35.260 RT REMOVE PAVED SWALE } TYPE I
EXIT 6 OFF RAMP "A" @ MM 0.191 RT REMOVE PAVED SWALE }
@ MM 0.391 RT REMOVE PAVED SWALE }
@ MM 0.459 RT REMOVE PAVED SWALE }

WORK COMPLETED IN 2011



THE CONTRACTOR SHALL REMOVE ALL WOODY
STEMMED GROWTH INCLUDING BRUSH, SAPLINGS
AND TREE LIMBS GROWING WITHIN OR
PROJECTING INTO THE CLEARANCE AREA AND
DOWN TO GROUND LEVEL. PAYMENT WILL BE
UNDER ITEM 201.31, THINNING AND TRIMMING
FOR SIGNS. NO CHEMICALS (POISONS OR
DEFOLIANTS) WILL BE ALLOWED.

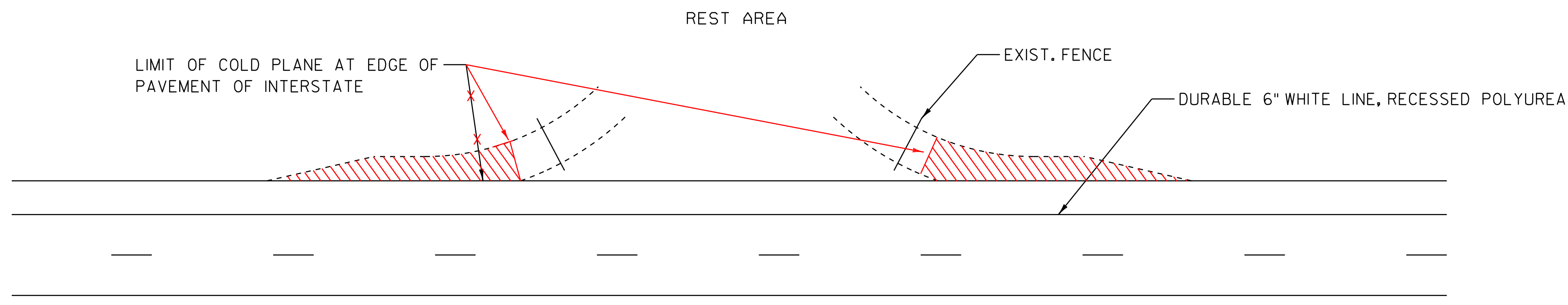
MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

THINNING AND TRIMMING DETAIL

LOCATION

MM ~~33.596~~ RT 33.550 RT
MM 40.443 RT
MM 40.638 RT
MM 40.857 RT
MM 41.373 RT



REST AREA DETAIL

LOCATION

MM 39.2 RT

LEGEND

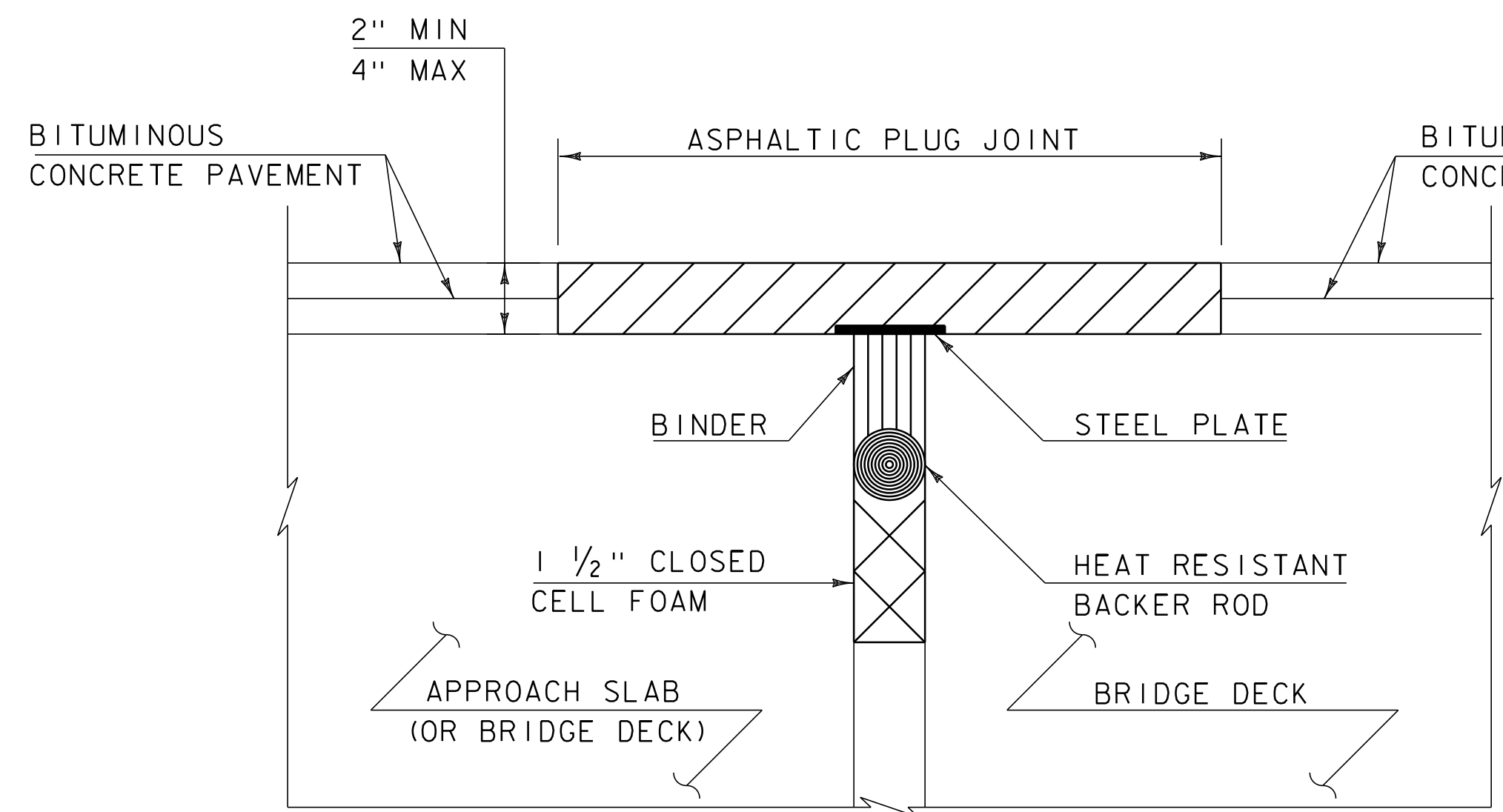
- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = EXISTING GUARDRAIL
- - - = PROPOSED GUARDRAIL
- = TYPE I DELINEATOR, WHITE
- = TYPE I DELINEATOR, AMBER
- = TYPE II DELINEATOR, WHITE
- = TYPE III DELINEATOR, RIGHT
- = TYPE III DELINEATOR, LEFT

PROJECT TYPICAL SHEET 4

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

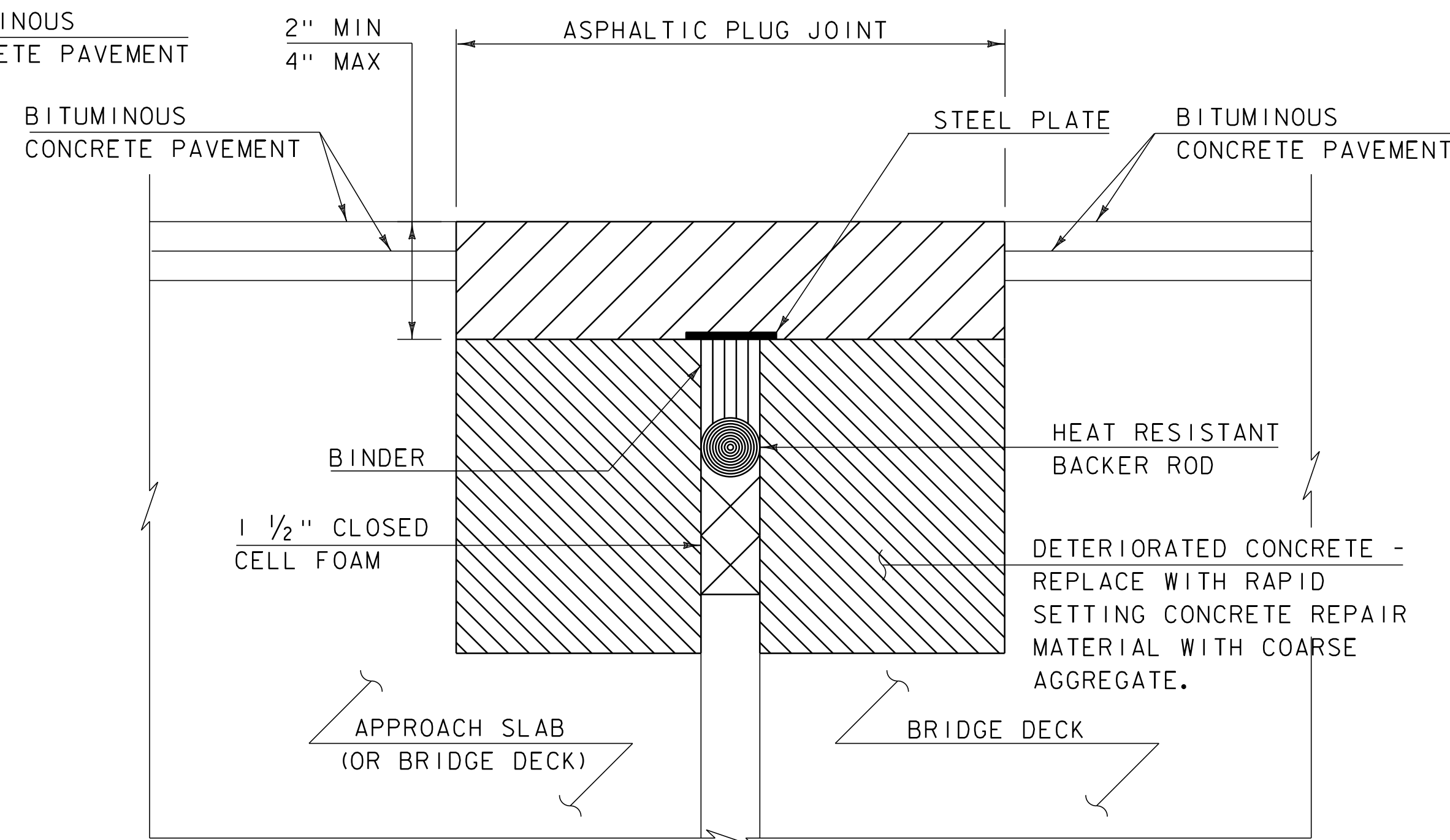
FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NULL
IPARM FILE NAME: 01a014_07
PLOT DATE: 17-JAN-2013 12:43
DRAWN BY: JBZ
CHECKED BY: PTS
SHEET 7 OF 43

NOT TO SCALE



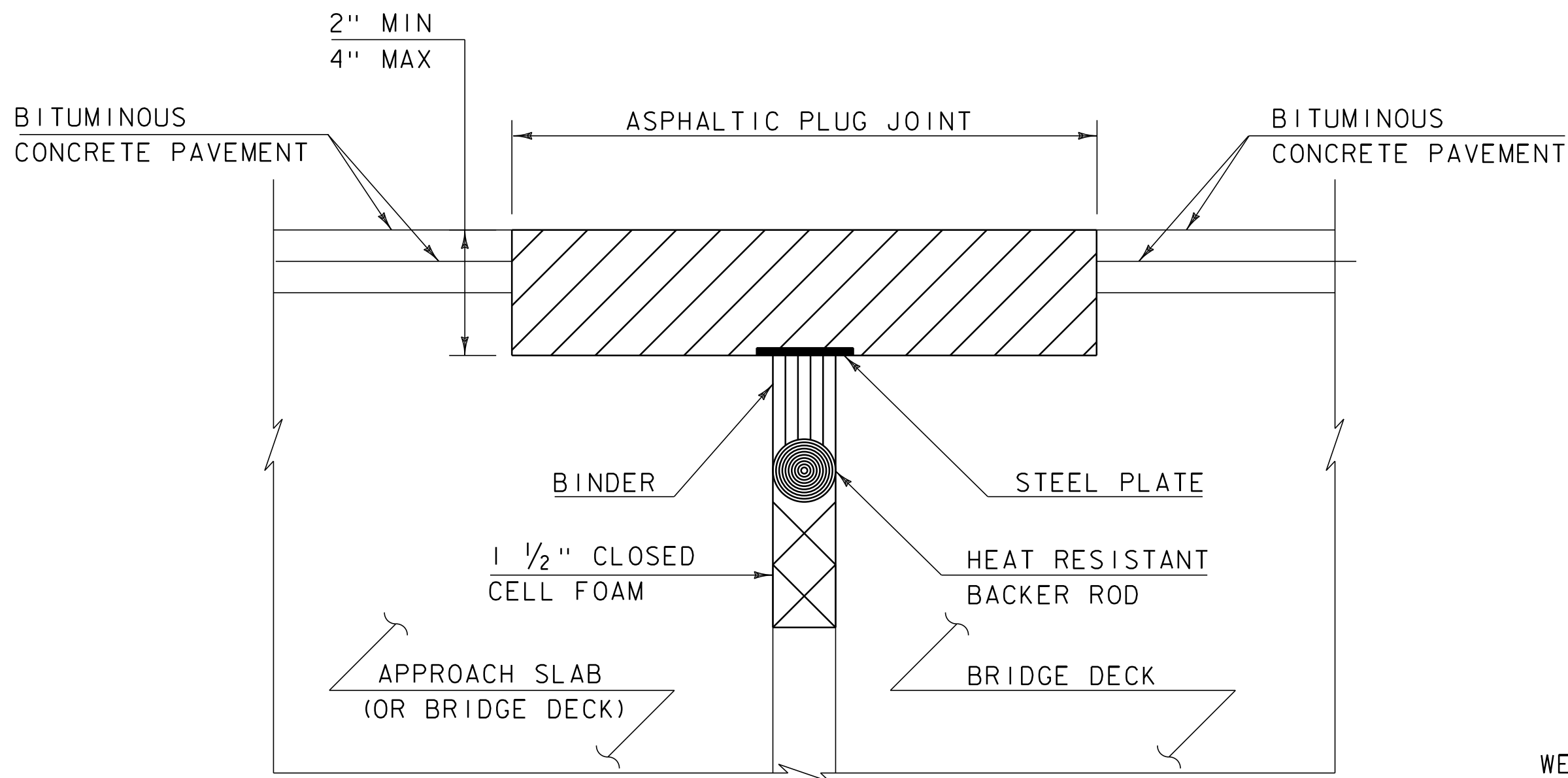
ASPHALTIC PLUG-TYPE JOINT DETAIL

(NOT TO SCALE)



**ASPHALTIC PLUG-TYPE JOINT DETAIL
REMOVAL OF > 2" DETERIORATED CONCRETE**

(NOT TO SCALE)



**ASPHALTIC PLUG-TYPE JOINT DETAIL
REMOVAL OF < 2" DETERIORATED CONCRETE**

(NOT TO SCALE)

NOTES:

- UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
- REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.

NOTES:

- UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE FORMED TO EXISTING ELEVATION.
- REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 "RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE".
- REINFORCING STEEL NOT SHOWN FOR CLARITY.

WESTMINSTER:	BRIDGE 21N 1637+30	(MM 31.009)	(55 FT. EXP. JOINT)	2011 WORK
	BRIDGE 21N 1642+02	(MM 31.099)	(55 FT. EXP. JOINT)	
ROCKINGHAM:	BRIDGE 22N 1776+24	(MM 33.641)	(39.5 FT. EXP. JOINT)	2011 WORK
	BRIDGE 22N 1776+74	(MM 33.650)	(39.5 FT. EXP. JOINT)	
	BRIDGE 22N 1777+24	(MM 33.660)	(39.5 FT. EXP. JOINT)	
	BRIDGE 22N 1777+72	(MM 33.669)	(39.5 FT. EXP. JOINT)	
	BRIDGE 23N 1858+35	(MM 35.196)	(32 FT. EXP. JOINT)	
	BRIDGE 23N 1858+98	(MM 35.208)	(32 FT. EXP. JOINT)	
	BRIDGE 23N 1859+61	(MM 35.220)	(32 FT. EXP. JOINT)	
	BRIDGE 23N 1860+26	(MM 35.232)	(32 FT. EXP. JOINT)	
	BRIDGE 24N 1870+24	(MM 35.421)	(32 FT. APPR. SLAB)	
	BRIDGE 24N 1870+44	(MM 35.444)	(32 FT. EXP. JOINT)	
	BRIDGE 24N 1879+46	(MM 35.596)	(32 FT. APPR. SLAB)	2010 WORK
	BRIDGE 24N 1879+26	(MM 35.592)	(32 FT. EXP. JOINT)	
SPRINGFIELD:	BRIDGE 26N 2177+17	(MM 41.234)	(31 FT. EXP. JOINT)	
	BRIDGE 26N 2178+73	(MM 41.264)	(31 FT. EXP. JOINT)	
	BRIDGE 26N 2180+29	(MM 41.293)	(31 FT. EXP. JOINT)	
	BRIDGE 27N 2193+26	(MM 41.539)	(41 FT. EXP. JOINT)	
	BRIDGE 27N 2194+26	(MM 41.558)	(41 FT. EXP. JOINT)	
	BRIDGE 28N	(MM 41.698)	(42.8 FT. EXP. JOINT)	2010 + 2011

NOT TO SCALE

I. INSTALLATION

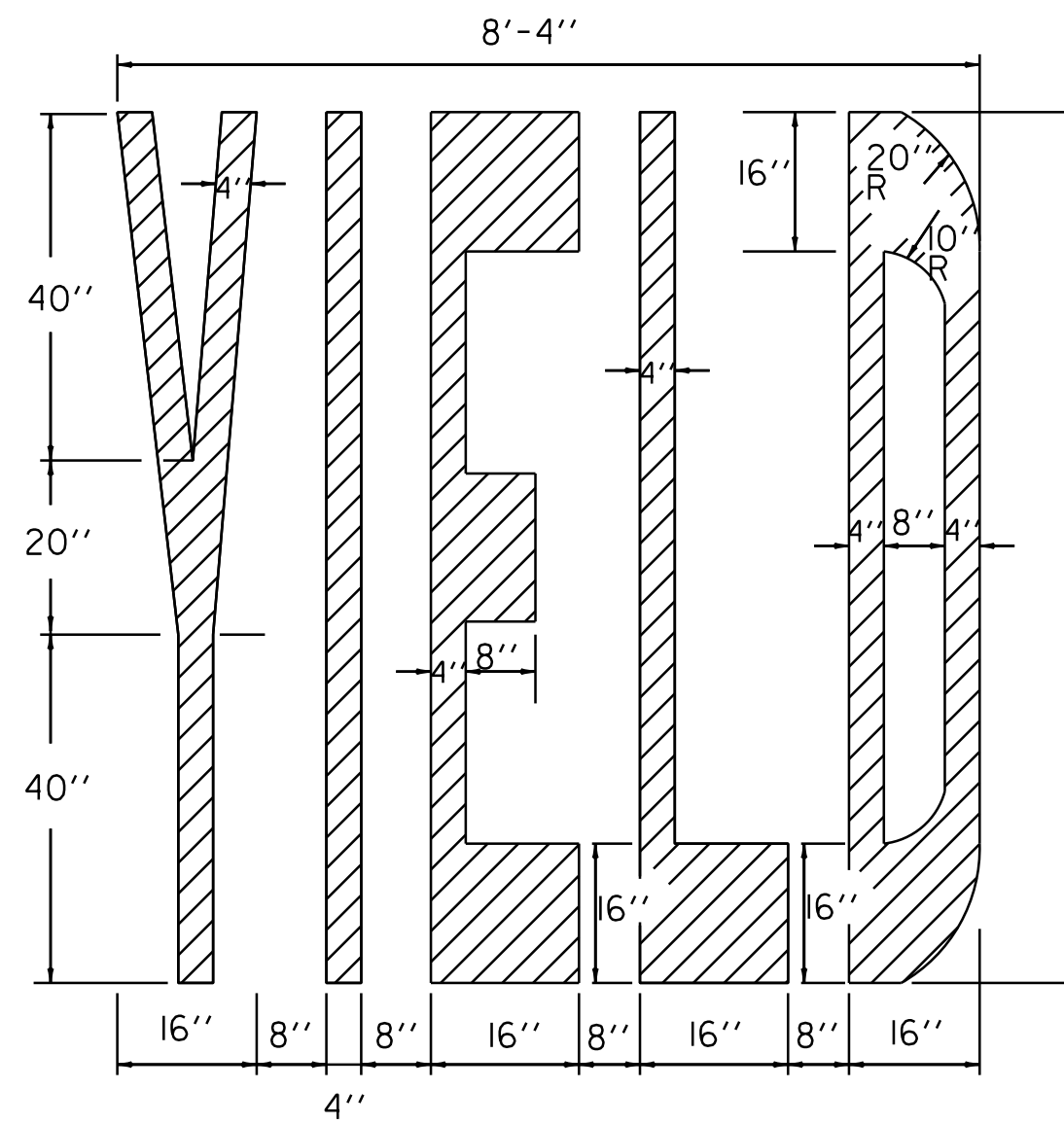
- LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
- REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.
- BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
- REPAIR SPALLED AND DEFECTIVE CONCRETE WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.
- PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.
- HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.
- PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
- HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.
- INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
- IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
- ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAYBE USED TO EXPEDITE THE COOLING PROCESS.
- PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

2. WEATHER LIMITATIONS. (APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER):

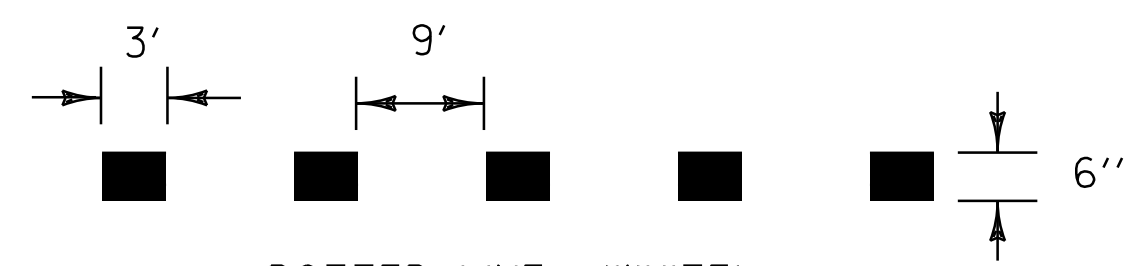
- THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.
- THE ROAD SURFACE IS DRY.
- WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

**ASPHALTIC PLUG-TYPE JOINT
DETAIL SHEET**

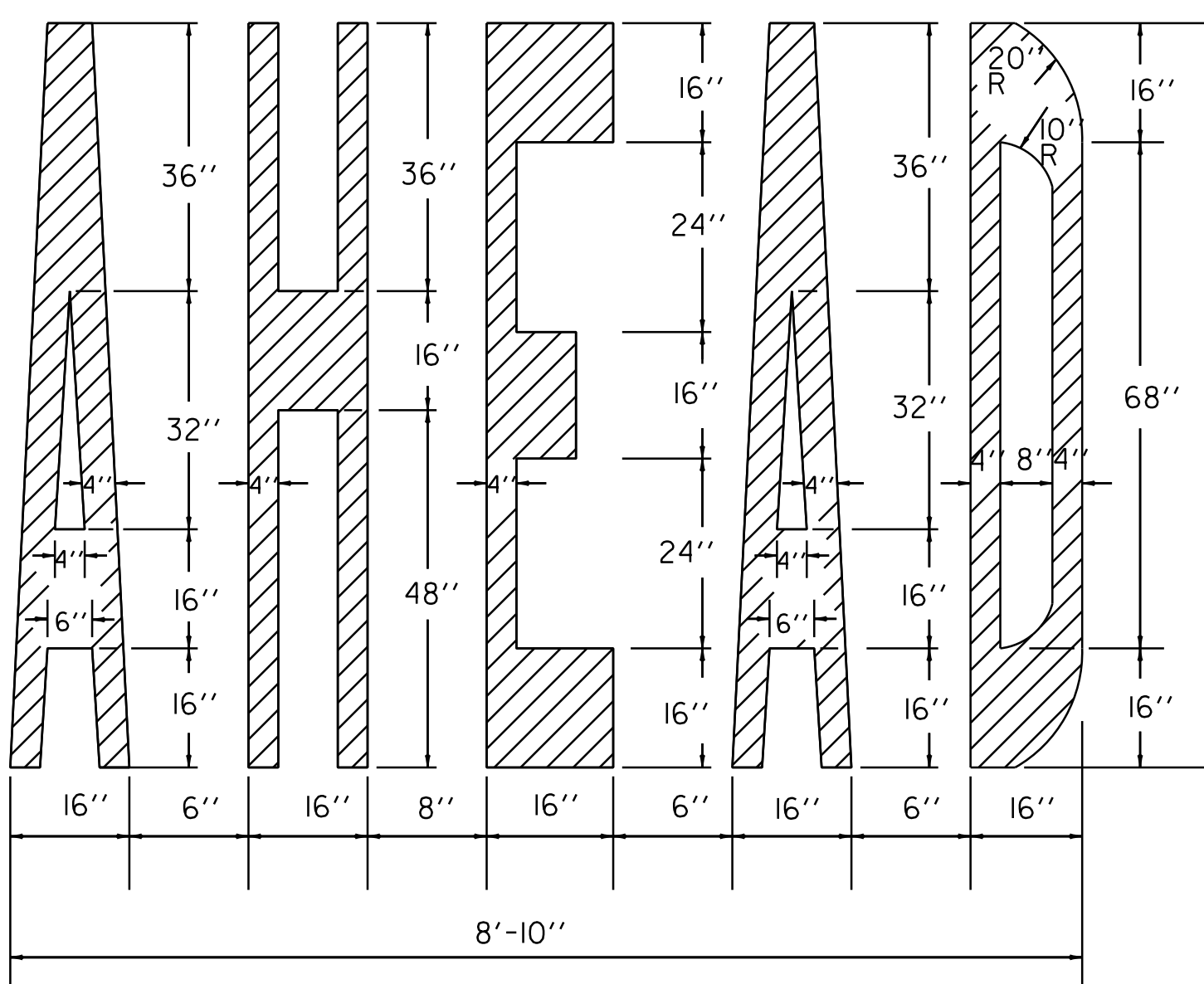
PROJECT NAME:	WESTMINSTER-SPRINGFIELD	FILE NAME:	/pave/01a014/pa014	PLOT DATE:	17-JAN-2013 12:43
PROJECT NUMBER:	IM 091-1(62)	PROJECT LEADER:	PTS	DRAWN BY:	JBZ
		DESIGNED BY:	NLL	CHECKED BY:	PTS
		IPARM FILE NAME:	01a014_08	SHEET	8 OF 43



* TO BE INSTALLED ONLY AT THE DIRECTION OF THE RESIDENT ENGINEER



DOTTED LINE (WHITE) *

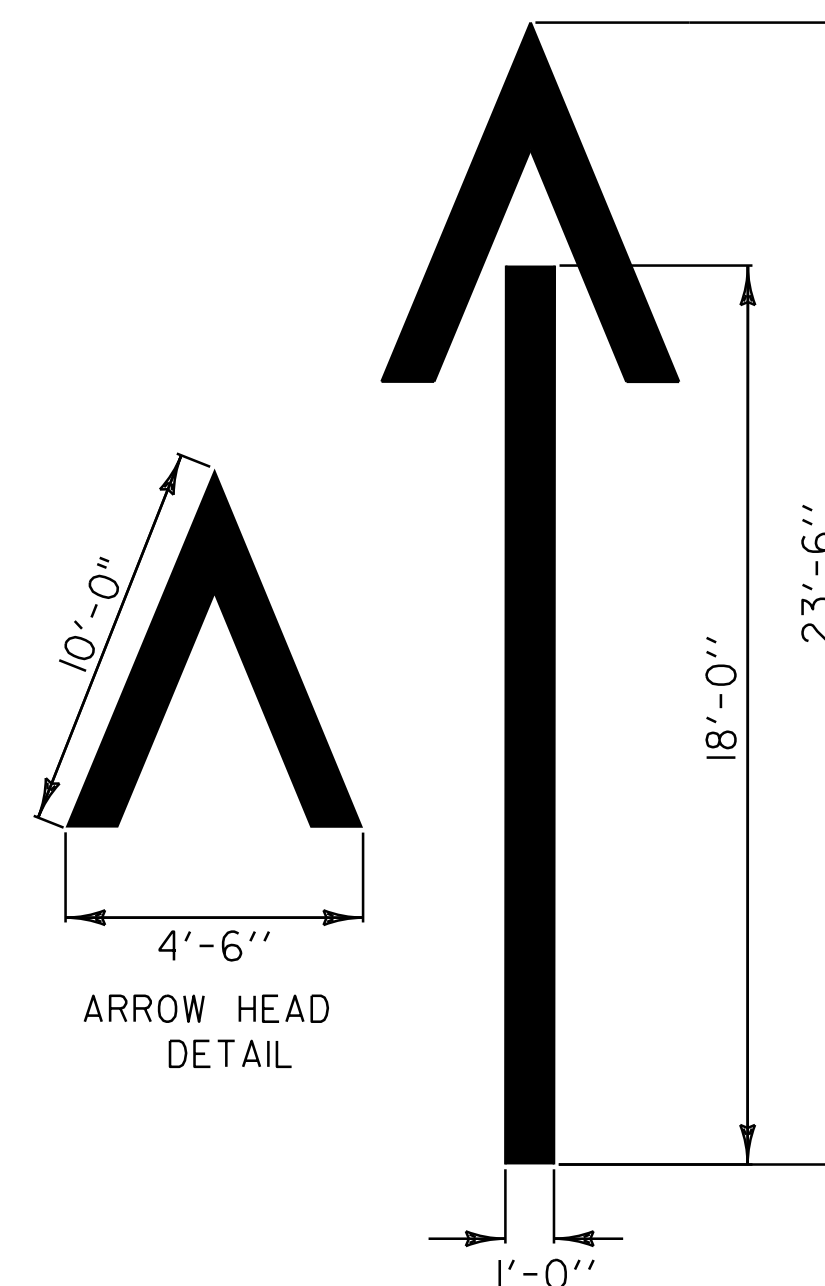


SOLID LINE (WHITE OR YELLOW)

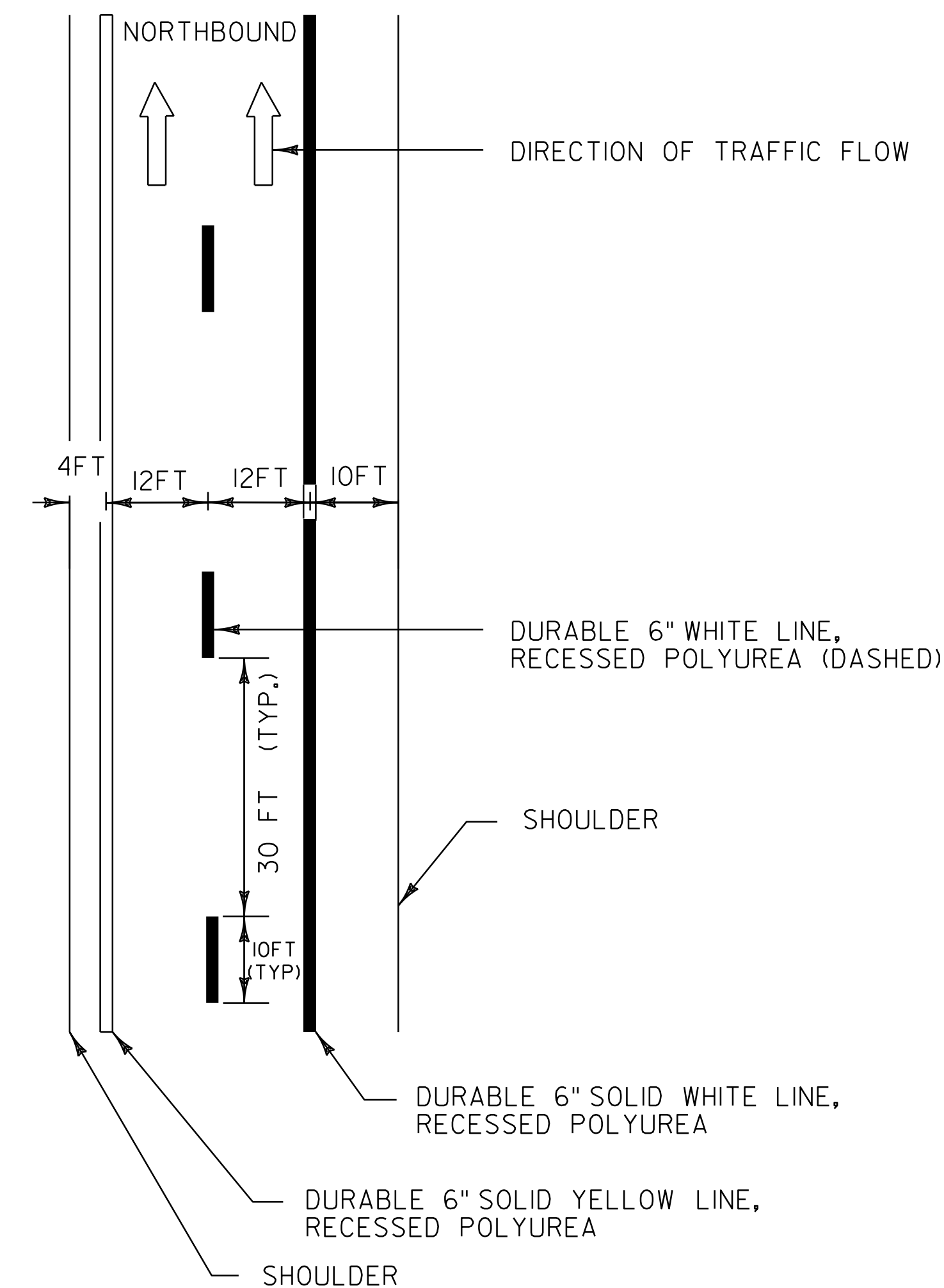


CHANNELIZING LINE (WHITE)

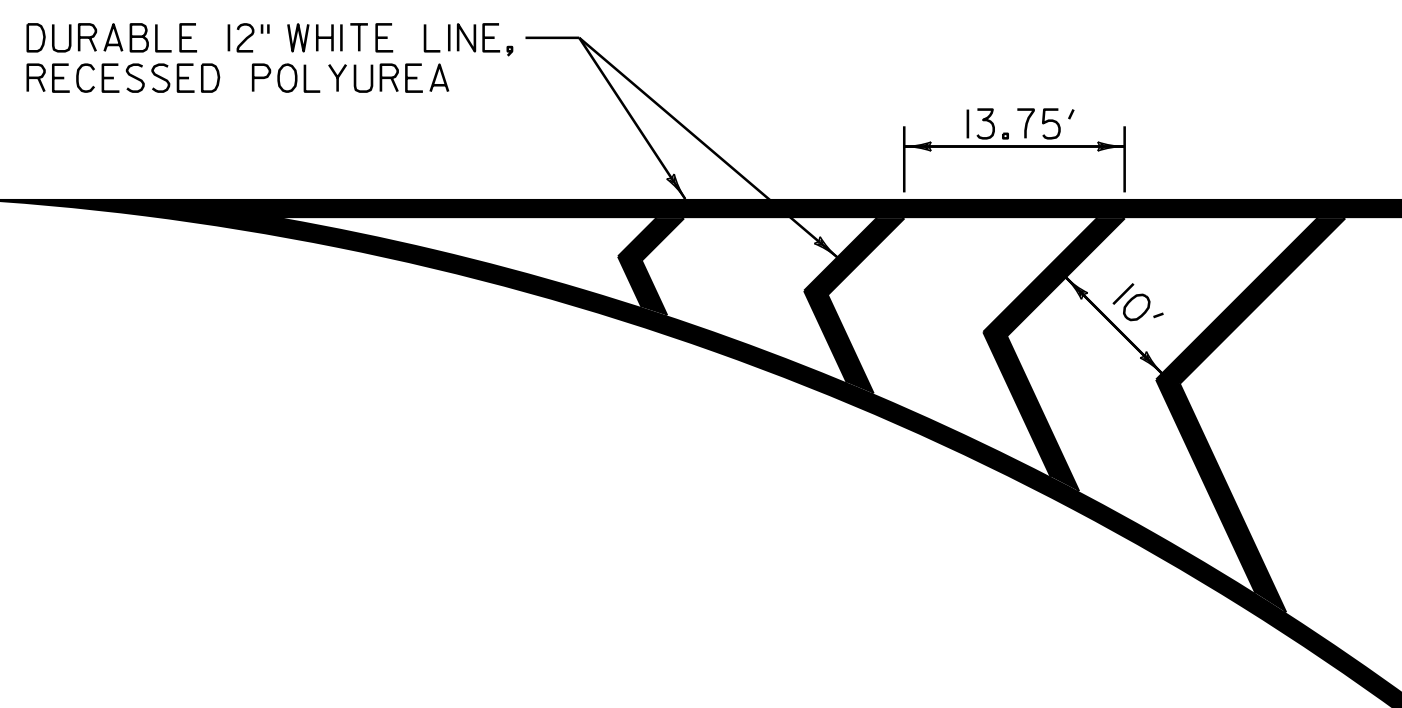
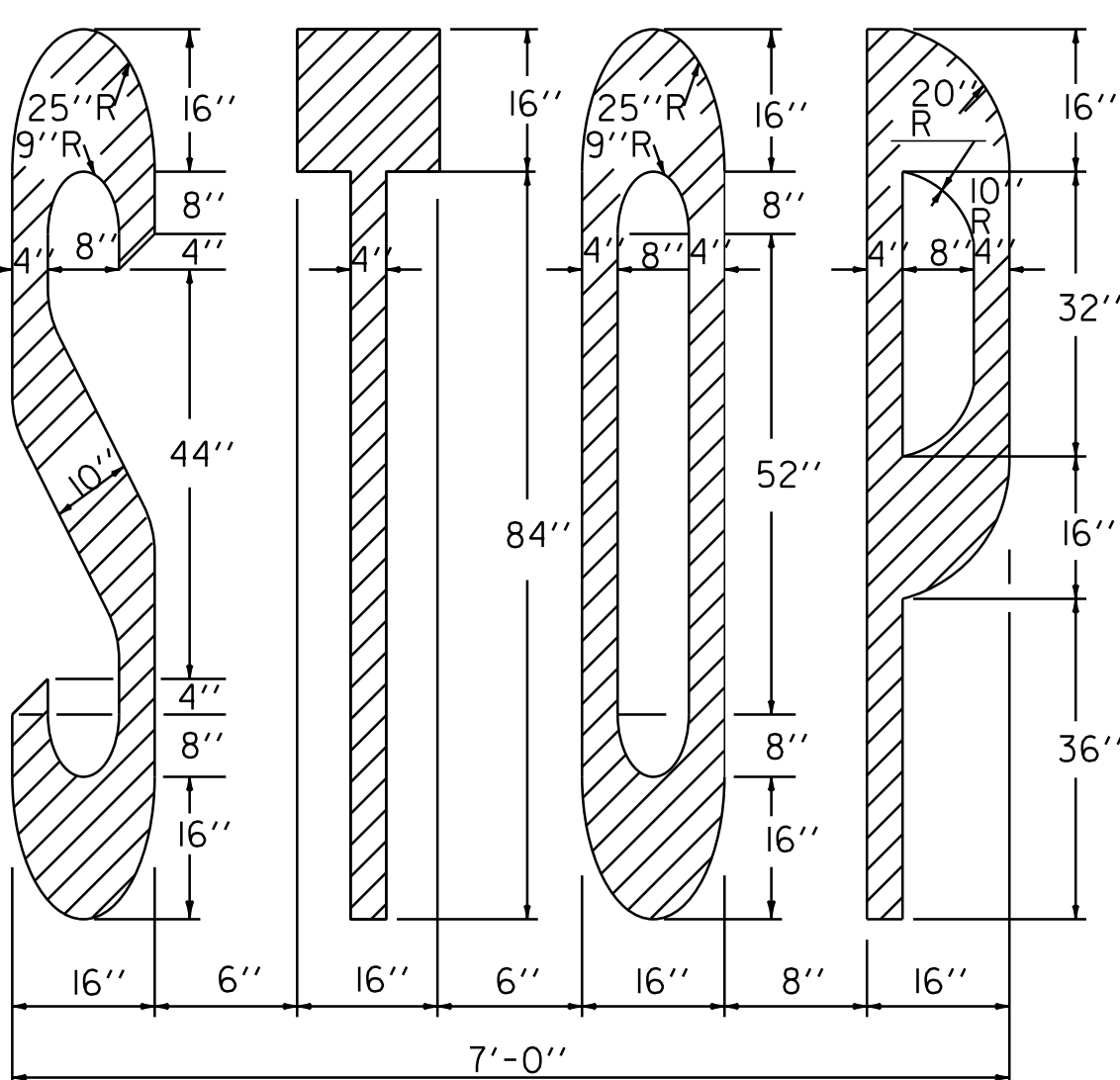
PAVEMENT MARKING LINE DETAILS



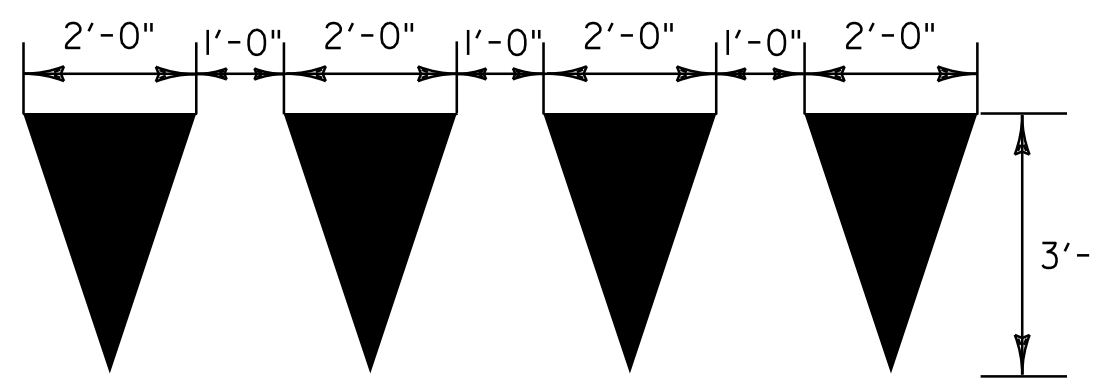
WRONG-WAY ARROW DETAILS



TYPICAL MAINLINE MARKING PLAN



GORE MARKING DETAIL



YIELD LINE DETAILS

TO BE INSTALLED ONLY AT THE DIRECTION OF THE RESIDENT ENGINEER
TO BE PAID AS ONE LETTER OR SYMBOL PER TRIANGLE

TYPICAL PAVEMENT MARKINGS SHEET

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: JBZ
	DESIGNED BY: NULL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_09	SHEET 9 OF 43

NOT TO SCALE

PAVEMENT MARKING DETAILS

LOCATION			DRAINAGE				GUARDRAIL							MISC		REMARKS						
MM	MM	POS.	604.40	604.412	604.415	604.418	621.20	621.205		621.50	621.60	621.70	621.71	621.80	676.10 DEL IN. W/STEEL POST				616.305	601.0005		
			CHANGING ELEVATION OF DI, CB, OR MH	REHAB. DI, CB, OR MH CLASS I	REHAB. DI, CB, OR MH CLASS II	REHAB. DI, CB, OR MH CLASS III	STEEL BEAM GUARDRAIL GALV.	STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS		MTS, FLARED	ANCHOR FOR STEEL BEAM RAIL	GUARDRAIL APPROACH SECTION, GALV. TYPE I	GUARDRAIL APPROACH SECTION, GALV. TYPE II	REMOVAL & DISPOSAL OF GUARDRAIL						TYPE I MILE POSTS	BITUMINOUS CONCRETE CURB, TYPE A	12" CSP .064 (2-2/3 x 1/2)
SPRINGFIELD			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(EA)	(EA)	(LF)	(LF)		(EA)	(LF)	(LF)	(LF)	(LF)	(LF)	
37.270	37.406	RT												718.0								
37.277	37.405	RT					677.0								2						MTS @ 37.270, ANCHOR @ 37.405	
37.563	37.584	RT												112.5							REMOVE BURIED CABLE TERMINAL (BCT) AND DAMAGED GUARDRAIL	
37.570	37.584	RT					75.0								1						MTS @ 37.563	
37.584	37.780	RT																			RETAIN EXISTING GUARDRAIL	
37.780	37.787	RT					37.5							37.5	1			40.0			ANCHOR @ 37.787, CURB 37.780 - 37.787	
37.898	38.120	RT												1173.0								
37.905	38.120	RT					1139.5								2						MTS @ 37.898, ANCHOR @ 38.120	
37.918	38.110	RT																1014.0				
38.303	38.978	RT												3564.0								
38.310	38.978	RT					3257.0								2						MTS @ 38.303, ANCHOR @ 38.978	
38.500	38.947	RT																2360.0				
39.330	39.540	RT												1109.0								
39.337	39.548	RT					1114.5								2						MTS @ 39.330, ANCHOR @ 39.548	
39.433	39.540	RT																565.0		30		
39.629	40.081	LT												2387.0								
39.636	40.081	LT					2352.0								2						MTS @ 39.629, ANCHOR @ 40.081	
40.220	40.230	LT												50.0							REMOVE BURIED CABLE TERMINAL (BCT)	
40.227	40.230	LT					12.5								1						MTS @ 40.220	
40.230	40.386	LT																			RETAIN EXISTING GUARDRAIL	
40.386	40.393	LT					39.5							37.5	1						ANCHOR @ 40.393, REMOVE TWIST DOWN TERMINAL	
40.256	40.426	RT												897.0								
40.263	40.427	RT					862.5								2						MTS FLARED @ 40.256, ANCHOR @ 40.427	
40.299	40.427	RT																674.0				
40.495	40.502	RT												37.5	1						REMOVE BURIED CABLE TERMINAL (BCT)	
40.502	40.593	RT																			RETAIN EXISTING GUARDRAIL	
40.593	40.600	RT					39.5							37.5	1			38.0			ANCHOR @ 40.600, REMOVE TWIST DOWN TERMINAL, CURB 40.593 - 40.600	
40.689	40.814	NB LT												660.0								
40.695	40.901	NB LT					462.5								1						MTS @ 40.688	
40.891	40.911	NB LT												129.0							REMOVE BULLNOSE - SEE SHEET 39	
40.901	40.911	NB LT																				
40.911	40.983	NB LT																			RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 25N	
40.909		NB/SB					40.0														MEDIAN "DROP DEAD" RAIL	
40.983		NB/SB					40.0														MEDIAN "DROP DEAD" RAIL	
40.983	41.007	NB LT												122.5							REMOVE BULLNOSE - SEE SHEET 39	
40.983	40.988	NB LT					27.0								1						ANCHOR @ 40.988	
40.902	40.990	LT&RT																			BRIDGE 25N, TO REPLACE DAMAGED PANELS ON APPROACH RAIL	
40.840	40.896	NB RT					300.0								1			140.0	30		MTS @ 40.832, ATTACH TO EXISTING GUARDRAIL @ 40.896, CURB 40.870 - 40.896	
40.841	40.896	NB RT												293.0								
40.896	41.300	NB RT																			RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGES 25N & 26N	
40.891	40.908	SB												79.0							REMOVE BULLNOSE - SEE SHEET 39	
40.904	40.908	SB					27.0								1						ANCHOR @ 40.904	
40.908	40.981	SB																			RETAIN EXISTING GUARDRAIL, INCLUDES BRIDGE 25N	
40.981	41.007	SB												173.0							REMOVE BULLNOSE - SEE SHEET 39	
40.981	40.991	SB																				
40.991	41.059	SB					362.5								1						MTS @ 41.066	
SUBTOTAL			0	0	0	0	10865.5	0		12	11	2	0	11617.0		23	0	0	0	4831.0	60.0	

**ITEM
DETAIL
SHEET 2**

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)
FILE NAME: /pave/01a014/pa014 PLOT DATE: 17-JAN-2013 12:43
PROJECT LEADER: PTS DRAWN BY: MRS
DESIGNED BY: NULL CHECKED BY: NULL/PTS
IPARM FILE NAME: 01a014_I5 SHEET 15 OF 43

LOCATION			DRAINAGE				GUARDRAIL							MISC				REMARKS		
MM	MM	POS.	604.40 CHANGING ELEVATION OF D1, CB, OR MH	604.412 REHAB. D1, CB, OR MH CLASS I	604.415 REHAB. D1, CB, OR MH CLASS II	604.418 REHAB. D1, CB, OR MH CLASS III	621.20 STEEL BEAM GUARDRAIL GALV.	621.205 STEEL BEAM GUARDRAIL GALV. W/8 FT POSTS	621.50 MTS, FLARED	621.60 ANCHOR FOR STEEL BEAM RAIL	621.70 GUARDRAIL APPROACH SECTION, GALV. TYPE I	621.71 GUARDRAIL APPROACH SECTION, GALV. TYPE II	621.80 REMOVAL & DISPOSAL OF GUARDRAIL	676.10 DEL IN. W/STEEL POST					616.305 BITUMINOUS CONCRETE CURB, TYPE A	601.0005 12' CSP .064 (2-2/3 x 1/2)
EXIT 6 OFF RAMP A			(EA)	(EA)	(EA)	(EA)	(LF)	(LF)	(EA)	(EA)	(EA)	(LF)	(LF)	TYPE I (EA)	TYPE II (LF)	TYPE III (LF)	TYPE I MILE POSTS (LF)	(LF)	(LF)	
0.086	0.093	RT							I				37.5	I						REMOVE BURIED CABLE TERMINAL (BCT)
0.093	0.189	RT												I						RETAIN EXISTING GUARDRAIL
0.296	0.303	RT							I				37.5	I						REMOVE BURIED CABLE TERMINAL (BCT)
0.303	0.506	RT												I						RETAIN EXISTING GUARDRAIL
0.393	0.461	LT					312.5						356.0							
0.400	0.461	LT						I	I					2						MTS FLARED @ 0.393, ANCHOR @ 0.461
0.502		RT	I																	
EXIT 6 OFF RAMP B							62.5													
0.076	0.088	RT							I					I						MTS FLARED @ 0.069, CONNECT TO EXISTING GUARDRAIL
0.083	0.088	RT											25.0							REMOVE BURIED CABLE TERMINAL (BCT)
0.088	0.198	RT																		RETAIN EXISTING GUARDRAIL, CONTINUES ON I-9I
0.198		RT	I																	
EXIT 7 OFF RAMP C																				
0.000	0.096	RT					27.0													RETAIN EXISTING GUARDRAIL, BEGINS ON I-9I
0.096	0.101	RT							I				25.0	I						ANCHOR @ 0.101, REMOVE TWIST DOWN TERMINAL
0.076	0.116	LT					27.0													RETAIN EXISTING GUARDRAIL, BEGINS ON I-9I
0.116	0.120	LT							I				25.0	I						ANCHOR @ 0.120, REMOVE TWIST DOWN TERMINAL
0.250	0.332	RT					27.0													RETAIN EXISTING GUARDRAIL
0.332	0.337	RT							I				25.0	I						ANCHOR @ 0.337, REMOVE TWIST DOWN TERMINAL
0.333		RT	I																	
EXIT 7 ON RAMP D																				
0.167	0.245	LT					27.0													RETAIN EXISTING GUARDRAIL
0.245	0.250	LT								I			25.0	I						ANCHOR @ 0.250, REMOVE TWIST DOWN TERMINAL
0.248	0.303	RT					287.5													MTS @ 0.241, ATTACH TO EXISTING GUARDRAIL
0.291	0.303	RT											61.5							RETAIN EXISTING GUARDRAIL, CONTINUES ON I-9I
0.303	0.327	RT																		
SUBTOTAL SHEET 14			2	II	II	II	5620.5	0.0	II	9	I	0	5838.0	I25	I8	33	288	2096.0	30.0	
SUBTOTAL SHEET 15			0	0	0	0	10865.5	0.0	I2	II	2	0	11617.0	23	0	0	0	4831.0	60.0	
SUBTOTAL SHEET 16			0	0	0	0	1613.0	2689.5	6	6	0	I	3621.0	I5	0	0	0	17.0	0.0	
SUBTOTAL SHEET 17			0	0	0	0	426.5	0.0	9	8	0	0	741.0	I7	0	0	0	26.0	0.0	
SUBTOTAL SHEET 18			3	0	0	0	770.5	0.0	5	5	0	0	617.5	I2	0	0	0	0.0	0.0	
TOTAL ROUNDING			0	0	0	0	204.0	310.5	0	0	0	0	65.5	I3	2	2	2	30.0	0.0	
PROJECT TOTALS			5	II	II	II	19500.0	3000.0	43	39	3	I	22500.0	205	20	35	290	7000.0	90.0	
ITEM DETAIL SHEET 5			PROJECT NAME: WESTMINSTER-SPRINGFIELD																	
			PROJECT NUMBER: IM 091-1(62)																	
			FILE NAME: /pave/01a014/pa014										PLOT DATE: 17-JAN-2013 12:43							
			PROJECT LEADER: PTS										DRAWN BY: MRS							
			DESIGNED BY: NLL										CHECKED BY: NLL/PTS							
			IPARM FILE NAME: 01a014_I8										SHEET 18 OF 43							

REFERENCE COMPUTATION BINDER 646.XX
 646.622 TEMPORARY 6" WHITE LINE, PAINT
 646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
 29.995 TO 34.261 SOLID RT
 30.013 TO 45.000 DASHED CL
 34.357 TO 35.384 SOLID RT
 35.408 TO 41.856 SOLID RT
 42.033 TO 44.905 SOLID RT
 646.632 TEMPORARY 6" YELLOW LINE, PAINT
 646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
 30.013 TO 45.000 SOLID LT

REFERENCE COMPUTATION BINDER 676.10
 676.10 DELINEATORS WITH STEEL POST

33.524 RT SB 41.066 LT
 33.539 LT 41.146 LT
 34.117 RT SB 41.222 LT
 35.997 RT 41.305 LT
 40.688 LT SB 41.371 LT
 40.832 RT 41.451 LT
 SB 40.904 LT 41.567 LT
 40.988 LT 41.596 RT

REFERENCE COMPUTATION BINDER 621.XX
 621.70 GUARDRAIL APPROACH
 SECTION, GALVANIZED TYPE I

35.416 TO 35.425 RT
 40.901 TO 40.911 LT
 SB 40.981 TO 40.991 LT

621.71 GUARDRAIL APPROACH
 SECTION, GALVANIZED TYPE II

41.558 TO 41.560 LT
 203.40 SHOULDER BERM REMOVAL
 41.623 TO 41.675 LT
 41.720 TO 41.722 LT

INTERSTATE ROUTE 91 NB
MM 29.995
BEGIN PROJECT
IM 091-1(62)

REFERENCE COMPUTATION BINDER 203.40
 203.40 SHOULDER BERM REMOVAL
 29.995 TO 30.267 RT
 30.648 TO 31.000 RT
 30.921 TO 30.997 LT
 31.115 TO 31.377 LT
 31.150 TO 31.169 RT
 31.844 TO 32.226 LT
 32.302 TO 32.397 LT
 32.502 TO 32.750 RT
 33.531 TO 33.565 RT
 33.631 TO 33.641 LT
 33.669 TO 33.679 LT
 33.773 TO 34.110 RT
 35.090 TO 35.194 RT
 35.109 TO 35.196 LT
 35.232 TO 35.253 LT
 35.370 TO 35.425 LT
 36.424 TO 36.726 RT
 36.527 TO 36.695 LT
 39.337 TO 39.433 RT
 39.643 TO 40.074 LT
 40.230 TO 40.289 LT
 40.350 TO 40.386 LT
 40.502 TO 40.538 RT
 41.506 TO 41.539 LT
 41.559 TO 41.589 RT
 41.797 TO 41.918 RT
 41.844 TO 41.847 LT
 42.099 TO 42.145 LT
 42.462 TO 42.520 RT
 42.724 TO 42.730 LT
 42.727 TO 42.761 RT
 42.860 TO 43.093 RT
 42.949 TO 42.961 LT
 43.279 TO 43.298 RT
 43.362 TO 43.369 RT
 43.613 TO 43.638 LT
 43.896 TO 44.042 LT
 44.515 TO 44.630 RT
 44.657 TO 44.976 LT
 44.697 TO 44.701 RT

30.641 TO 30.648 RT
 30.914 TO 30.921 LT
 31.169 TO 31.176 RT
 31.837 TO 32.570 LT SB
 32.495 TO 32.502 RT
 32.653 TO 32.660 RT SB
 33.524 TO 33.531 RT
 33.574 TO 33.631 LT
 34.110 TO 34.117 RT
 35.080 TO 35.090 RT
 35.102 TO 35.109 LT
 35.251 TO 35.258 RT
 35.416 TO 35.425 RT
 35.990 TO 35.997 RT
 36.417 TO 36.424 RT
 36.520 TO 36.527 LT
 36.695 TO 36.702 LT
 36.726 TO 36.733 RT
 36.827 TO 37.024 RT
 37.270 TO 37.406 RT
 37.563 TO 37.584 RT
 37.780 TO 37.787 RT
 37.898 TO 38.120 RT
 38.303 TO 38.978 RT
 39.330 TO 39.540 RT
 39.629 TO 40.081 LT
 40.220 TO 40.230 LT
 40.256 TO 40.426 RT
 40.386 TO 40.393 LT
 40.495 TO 40.502 RT
 40.689 TO 40.814 LT
 40.841 TO 40.896 RT
 SB 40.891 TO 40.908 LT
 SB 40.891 TO 40.911 LT
 SB 40.981 TO 41.007 LT

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8' POSTS
 41.300 TO 41.551 RT
 42.225 TO 42.493 LT
 613.10 STONE FILL, TYPE I REFERENCE COMPUTATION BINDER 613.10
 32.397 LT (4' X 10')
 38.704 RT (4' X 10')
 40.427 RT (3' X 12')
 40.600 RT (4' X 15')

613.11 STONE FILL, TYPE II REFERENCE COMPUTATION BINDER 613.11
 32.505 LT (50' X 12') SLOPE STABILIZATION
 36.787 RT (12' X 8') SLOPE STABILIZATION

REFERENCE COMPUTATION BINDER 621.XX
 621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 40.983 TO 41.007 LT
 40.593 TO 40.600 RT
 41.212 TO 41.227 LT
 41.212 TO 41.227 LT
 41.300 TO 41.311 LT
 41.300 TO 41.311 LT
 41.300 TO 41.532 RT
 41.470 TO 41.506 LT
 41.558 TO 41.568 LT
 41.589 TO 41.596 RT
 41.604 TO 41.623 LT
 41.675 LT (94 FT) (CABLE)
 41.720 LT (125 FT) (CABLE)
 41.722 TO 41.730 LT
 41.840 TO 41.847 LT
 41.918 TO 41.925 RT
 42.145 TO 42.152 LT
 42.218 TO 42.493 LT
 42.520 TO 42.527 RT
 42.715 TO 42.724 LT
 42.715 TO 42.727 RT
 42.761 TO 42.768 RT
 42.761 TO 42.768 RT
 42.848 TO 42.860 RT
 42.942 TO 42.949 LT
 43.000 TO 43.007 LT
 43.093 TO 43.100 RT
 43.272 TO 43.279 RT
 43.369 TO 43.376 RT
 43.606 TO 43.613 LT
 44.035 TO 44.057 RT
 44.042 TO 44.049 LT
 44.508 TO 44.515 RT
 44.650 TO 44.657 LT
 44.701 TO 44.708 RT

621.50 MANUFACTURED
 TERMINAL SECTION, FLARED
 30.641 TO 30.648 RT
 30.914 TO 30.921 LT
 31.837 TO 31.844 LT
 32.495 TO 32.502 RT
 33.524 TO 33.531 RT
 33.539 TO 33.546 LT
 35.080 TO 35.088 RT
 35.102 TO 35.109 LT
 36.417 TO 36.424 RT
 36.520 TO 36.527 LT
 36.827 TO 36.834 RT
 37.270 TO 37.277 RT
 37.563 TO 37.570 RT
 37.898 TO 37.905 RT
 38.303 TO 38.310 RT
 39.330 TO 39.337 RT
 39.629 TO 39.636 LT
 40.220 TO 40.227 LT
 40.256 TO 40.263 RT
 40.495 TO 40.502 RT
 40.688 TO 40.695 LT
 40.832 TO 40.840 RT
 41.059 TO 41.066 LT SB
 41.146 TO 41.154 LT
 SB 41.364 TO 41.371 LT
 41.451 TO 41.459 LT
 41.587 TO 41.595 LT
 41.840 TO 41.847 LT
 42.218 TO 42.225 LT
 42.715 TO 42.722 RT
 42.715 TO 42.722 LT
 42.848 TO 42.855 RT
 42.942 TO 42.949 LT
 43.272 TO 43.279 RT
 43.606 TO 43.613 LT
 44.033 TO 44.040 RT
 44.508 TO 44.515 RT
 44.650 TO 44.657 LT

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8' POSTS
 41.300 TO 41.551 RT
 42.225 TO 42.493 LT

613.10 STONE FILL, TYPE I REFERENCE COMPUTATION BINDER 613.10
 32.397 LT (4' X 10')
 38.704 RT (4' X 10')
 40.427 RT (3' X 12')
 40.600 RT (4' X 15')

613.11 STONE FILL, TYPE II REFERENCE COMPUTATION BINDER 613.11
 32.505 LT (50' X 12') SLOPE STABILIZATION
 36.787 RT (12' X 8') SLOPE STABILIZATION

REFERENCE COMPUTATION BINDER 621.XX
 621.50 MANUFACTURED
 TERMINAL SECTION, FLARED
 30.641 TO 30.648 RT
 30.914 TO 30.921 LT
 31.837 TO 31.844 LT
 32.495 TO 32.502 RT
 33.524 TO 33.531 RT
 33.539 TO 33.546 LT
 35.080 TO 35.088 RT
 35.102 TO 35.109 LT
 36.417 TO 36.424 RT
 36.520 TO 36.527 LT
 36.827 TO 36.834 RT
 37.270 TO 37.277 RT
 37.563 TO 37.570 RT
 37.898 TO 37.905 RT
 38.303 TO 38.310 RT
 39.330 TO 39.337 RT
 39.629 TO 39.636 LT
 40.220 TO 40.227 LT
 40.256 TO 40.263 RT
 40.495 TO 40.502 RT
 40.688 TO 40.695 LT
 40.832 TO 40.840 RT
 41.059 TO 41.066 LT SB
 41.146 TO 41.154 LT
 SB 41.364 TO 41.371 LT
 41.451 TO 41.459 LT
 41.587 TO 41.595 LT
 41.840 TO 41.847 LT
 42.218 TO 42.225 LT
 42.715 TO 42.722 RT
 42.715 TO 42.722 LT
 42.848 TO 42.855 RT
 42.942 TO 42.949 LT
 43.272 TO 43.279 RT
 43.606 TO 43.613 LT
 44.033 TO 44.040 RT
 44.508 TO 44.515 RT
 44.650 TO 44.657 LT

621.02 CHAIN LINK FENCE, 6'
 620.21 BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6'
 620.75 SNOW BARRIER GALVANIZED
 38.005 RT - ALONG CONCRETE BOX
 CULVERT TH #22
 38.600 RT - ALONG CONCRETE BOX
 CULVERT TH #20

REFERENCE COMPUTATION BINDER 604.XX
 604.40 CHANGING ELEVATION OF DROP INLETS,
 CATCH BASINS, OR MANHOLES
 604.412-418 REHAB. DROP INLETS, CATCH BASINS,
 OR MANHOLES, CLASS I, CLASS II OR CLASS III

REFERENCE COMPUTATION BINDER 604.XX
 604.40 CHANGING ELEVATION OF DROP INLETS,
 CATCH BASINS, OR MANHOLES
 604.412-418 REHAB. DROP INLETS, CATCH BASINS,
 OR MANHOLES, CLASS I, CLASS II OR CLASS III

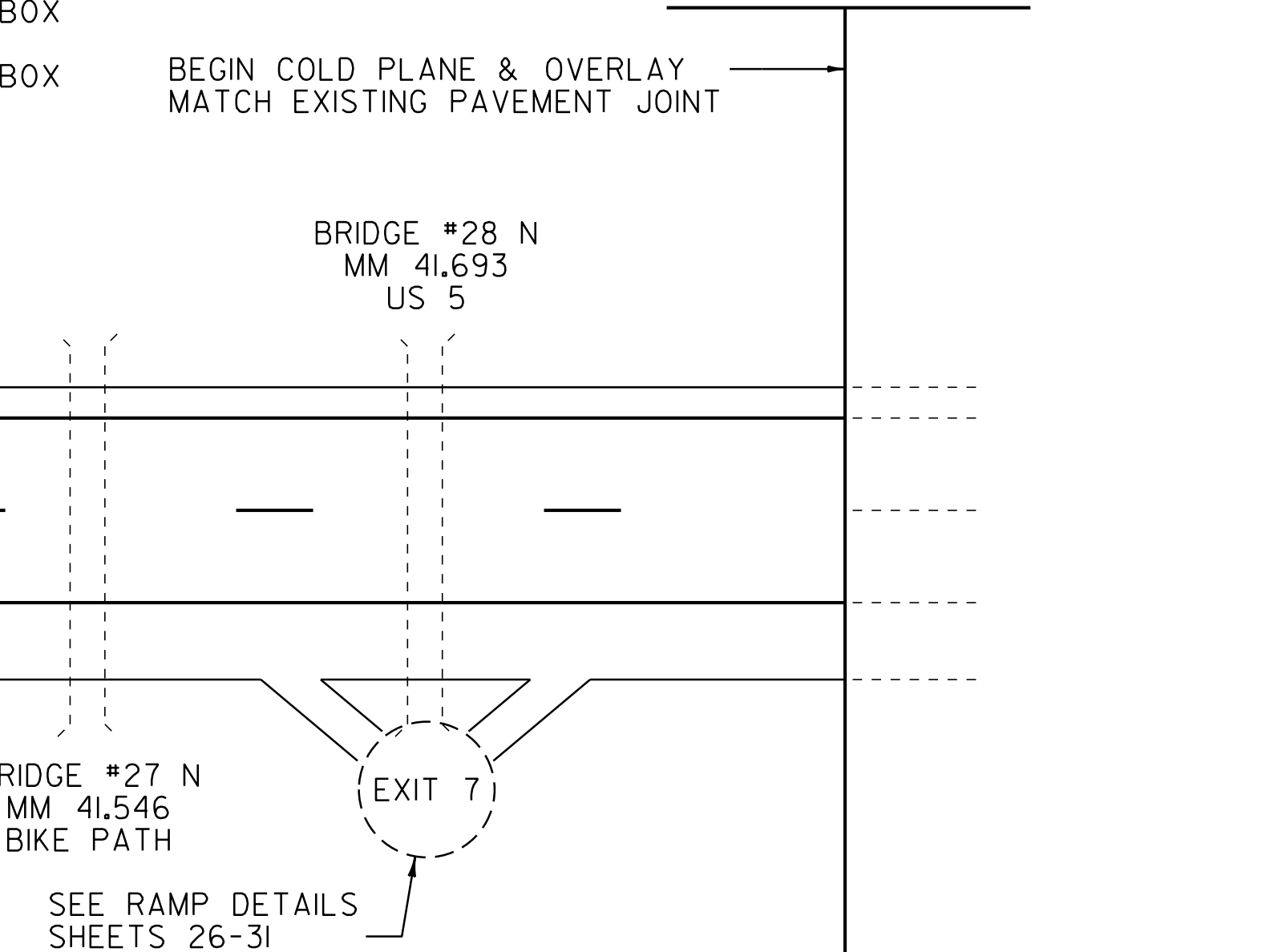
32.226 LT 38.631 RT
 32.302 LT 38.687 RT
 33.630 RT 38.763 RT
 33.705 RT 38.820 RT
 35.422 RT 38.886 RT
 35.634 RT 41.009 RT
 35.673 RT 41.086 RT
 35.712 RT 41.162 RT
 35.749 RT 41.936 LT
 35.790 RT 41.973 LT
 35.838 RT 42.014 LT
 35.890 RT 43.298 RT
 35.942 RT 43.638 LT
 36.976 RT 43.715 LT
 37.991 RT 43.771 LT
 38.048 RT 43.828 LT
 38.500 RT 44.630 RT
 38.585 RT

REFERENCE COMPUTATION BINDER 621.XX
 621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 31.169 TO 31.176 RT SB
 31.844 TO 32.571 LT
 32.653 TO 32.660 RT
 33.546 TO 33.631 LT
 MEDIAN 33.673 (40')
 34.110 TO 34.117 RT
 35.088 TO 35.090 RT SB
 35.251 TO 35.258 RT
 35.990 TO 35.997 RT
 36.695 TO 36.702 LT
 36.726 TO 36.733 RT
 36.834 TO 37.024 RT
 37.277 TO 37.405 RT
 37.570 TO 37.584 RT
 37.780 TO 37.787 RT
 37.905 TO 38.120 RT
 38.310 TO 38.978 RT
 39.337 TO 39.548 RT
 39.636 TO 40.081 LT
 40.227 TO 40.230 LT
 40.263 TO 40.427 RT
 40.386 TO 40.393 LT
 40.593 TO 40.600 RT
 40.695 TO 40.901 LT
 40.840 TO 40.896 RT
 40.904 TO 40.908 LT SB
 MEDIAN 40.909 (40')
 MEDIAN 40.983 (40')
 40.983 TO 40.988 LT

201.31 THINNING AND TRIMMING FOR SIGNS
 33.596 RT 33.550 RT
 40.443 RT
 40.638 RT
 40.857 RT
 41.373 RT

201.31 THINNING AND TRIMMING FOR SIGNS
 33.596 RT 33.550 RT
 40.443 RT
 40.638 RT
 40.857 RT
 41.373 RT

INTERSTATE ROUTE 91 NB
MM 44.905
END PROJECT
IM 091-1(62)



- NOTE**
- 36.787 RT RECONNECT SEPARATED PIPE SECTION OF 15" RCP, INCIDENTAL TO ITEM 608.25 - ALL PURPOSE EXCAVATOR RENTAL, TYPE I. PLACE ITEM 402.13 - AGGREGATE SHOULDERS, RAP UNDER PIPE AND ON SLOPE. PLACE ITEM 613.10 - STONE FILL, TYPE IPAD (2.5' x 5.0') AT OUTLET. PLACE ITEM 613.11 - STONE FILL, TYPE II ON SLOPE FOR SLOPE STABILIZATION. PLACE ITEM 649.31 - GEOTEXTILE UNDER STONE FILL.
 - PLACE ADDITIONAL LEVELING AT THE RIGHT SIDE OF THE APPROACH TO BRIDGE 25 TO ELIMINATE PONDING OF WATER.
 - REFER TO STANDARDS E-197, E-198 AND E-199 FOR PLACEMENT GUIDELINES FOR TYPE I, TYPE II AND TYPE III DELINEATORS.

MAINLINE LAYOUT SHEET

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: MRS
	DESIGNED BY: NLL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_I9	SHEET 19 OF 43

NOT TO SCALE

EXIT 6 - RAMP A NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.000 TO 0.200 SOLID RT
0.000 TO 0.068 DOTTED LT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.096 TO 0.200 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.068 TO 0.096 SOLID LT
0.068 TO 0.096 SOLID LT (CORE STRIPES)
34.329 TO 34.357 SOLID RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.086 TO 0.093 RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
0.086 TO 0.093 RT

676.10 DELINEATOR WITH STEEL POST
0.086 RT
0.189 RT

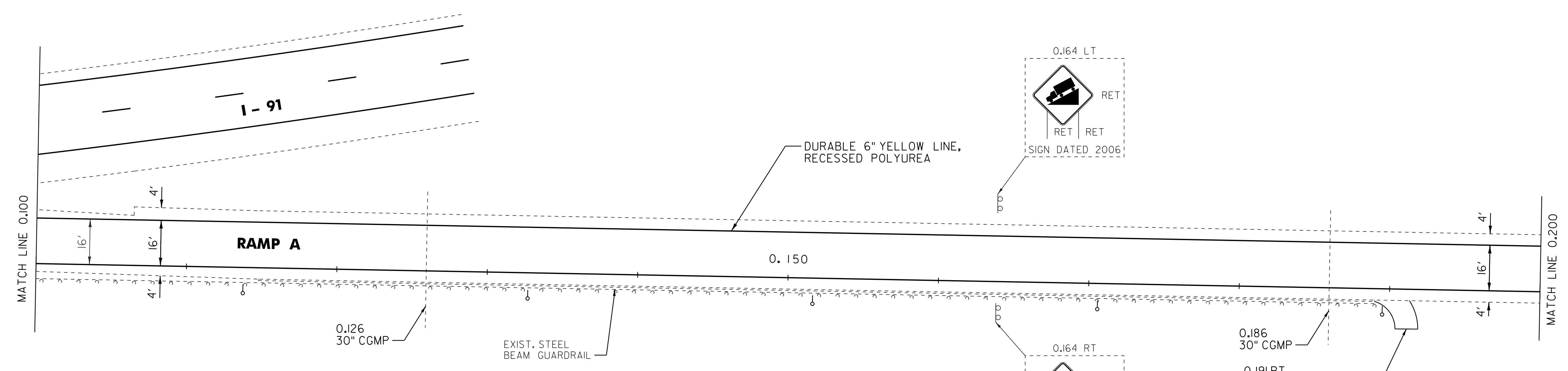
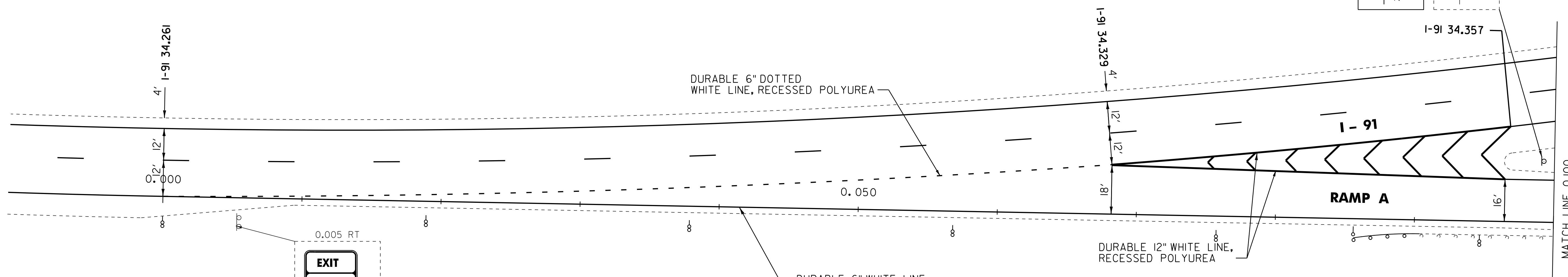
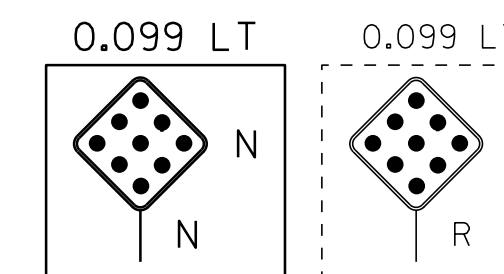
NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT GUIDELINES
FOR TYPE I, TYPE II AND TYPE III
DELINEATORS.

203.40 SHOULDER BERM REMOVAL
0.086 TO 0.115 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.400 TO 0.410 LT

613.10 STONE FILL, TYPE I
0.191 RT

675.50 REMOVING SIGNS
AS SHOWN - 1



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
---	=	EXISTING GUARDRAIL
---	=	PROPOSED GUARDRAIL
○	=	TYPE I DELINEATOR, WHITE
○	=	TYPE I DELINEATOR, AMBER
○	=	TYPE II DELINEATOR, WHITE
○	=	TYPE III DELINEATOR, RIGHT
○	=	TYPE III DELINEATOR, LEFT

EXIT 6 NB OFF RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: JBZ
	DESIGNED BY: NULL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_20	SHEET 20 OF 43

NOT TO SCALE

646.622 TEMPORARY 6" WHITE LINE, PAINT
 646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
 0.200 TO 0.410 SOLID

646.632 TEMPORARY 6" YELLOW LINE, PAINT
 646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
 0.200 TO 0.410 SOLID LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
 0.303 LT - "STOP"
 0.311 LT - "AHEAD"

EXIT 6 - RAMP A NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
 FOR PAVEMENT MARKING GUIDELINES

616.41 SHOULDER BERM REMOVAL
 0.296 TO 0.345 RT

616.41 REMOVAL OF EXISTING CURB
 0.345 TO 0.410 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 0.296 TO 0.303 RT
 0.393 TO 0.410 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 0.400 TO 0.410 LT

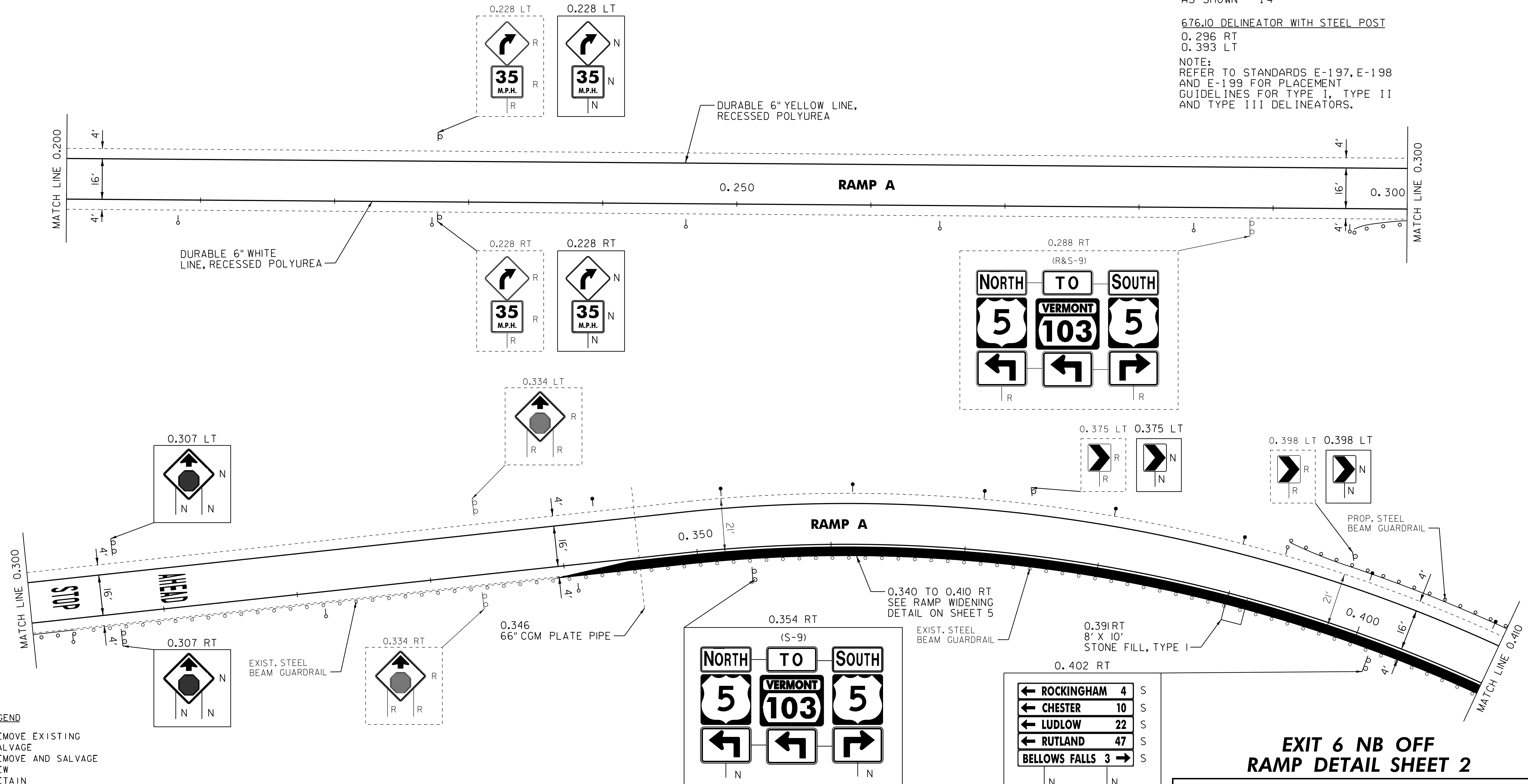
621.50 MANUFACTURED TERMINAL SECTION, FLARED
 0.296 TO 0.303 RT
 0.393 TO 0.400 LT

613.10 STONE FILL, TYPE I
 0.391 RT

675.50 REMOVING SIGNS
 AS SHOWN - 17

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 14

676.10 DELINEATOR WITH STEEL POST
 0.296 RT
 0.393 LT
 NOTE:
 REFER TO STANDARDS E-197, E-198
 AND E-199 FOR PLACEMENT
 GUIDELINES FOR TYPE I, TYPE II
 AND TYPE III DELINEATORS.



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = EXISTING GUARDRAIL
 - - - = PROPOSED GUARDRAIL
 - = TYPE I DELINEATOR, WHITE
 - = TYPE I DELINEATOR, AMBER
 - = TYPE II DELINEATOR, WHITE
 - = TYPE III DELINEATOR, RIGHT
 - = TYPE III DELINEATOR, LEFT

NOT TO SCALE

←	ROCKINGHAM	4	S
←	CHESTER	10	S
←	LUDLOW	22	S
←	RUTLAND	47	S
→	BELLOWS FALLS	3	S

EXIT 6 NB OFF RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
 PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
 PROJECT LEADER: PTS
 DESIGNED BY: NLL
 IPARM FILE NAME: 01a014_21

PLOT DATE: 17-JAN-2013 12:43
 DRAWN BY: MRS
 CHECKED BY: PTS
 SHEET 21 OF 43

646.622 TEMPORARY 6" WHITE LINE, PAINT
 646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
 0.410 TO 0.507 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
 646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
 0.410 TO 0.507 SOLID LT

646.682 TEMPORARY 24" STOP BAR, PAINT
 646.482 DURABLE 24" STOP BAR, THERMOPLASTIC
 0.505 LT TO RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
 0.449 LT - WRONG WAY ARROW
 0.503 LT - STOP

646.85 REMOVAL OF EXISTING PAVEMENT MARKINGS
 0.506 TO 0.507 RT (US 5)

203.28 EXCAVATION OF SURFACES AND PAVEMENTS
 PLACE 4" OF TOPSOIL, SEED AND HAY MULCH

EXIT 6 - RAMP A & E NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
 FOR PAVEMENT MARKING GUIDELINES

616.41 REMOVAL OF EXISTING CURB
 0.410 TO 0.482 RT
 0.496 TO 0.505 RT (ISLAND)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 0.410 TO 0.461 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 0.410 TO 0.461 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
 0.461 LT

604.40 CHANGING ELEVATION OF DROP INLETS,
 CATCH BASINS, OR MANHOLES
 0.502 RT

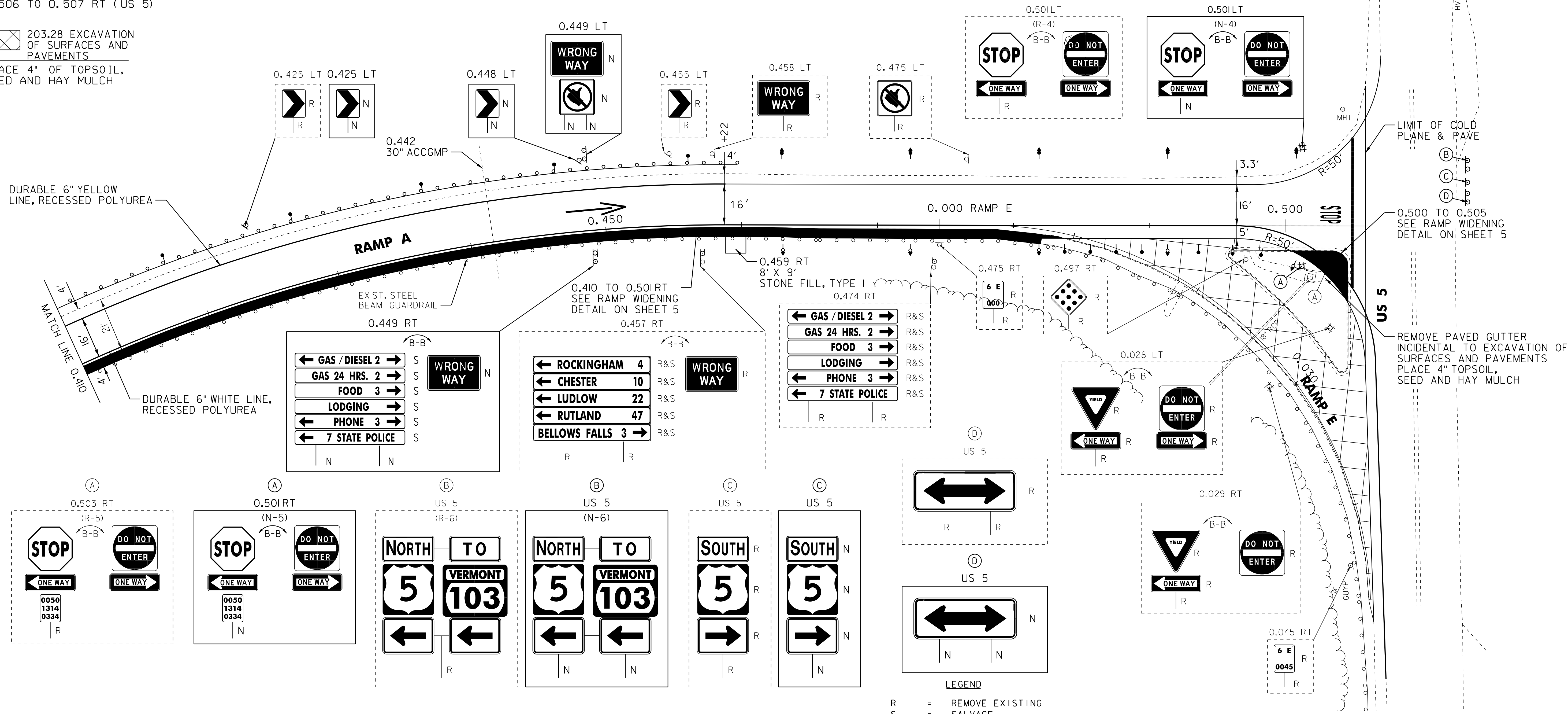
676.10 DELINEATOR WITH STEEL POST
 0.461 LT

NOTE:
 REFER TO STANDARDS E-197, E-198
 AND E-199 FOR PLACEMENT
 GUIDELINES FOR TYPE I, TYPE II
 AND TYPE III DELINEATORS.

613.10 STONE FILL, TYPE I
 0.459 RT (RAMP A)

675.50 REMOVING SIGNS
 AS SHOWN - 45

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 6



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = EXISTING GUARDRAIL
 - - - = PROPOSED GUARDRAIL
 - = TYPE I DELINEATOR, WHITE
 - = TYPE I DELINEATOR, AMBER
 - = TYPE II DELINEATOR, WHITE
 - = TYPE II DELINEATOR, RIGHT
 - = TYPE III DELINEATOR, LEFT

EXIT 6 NB OFF RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:43
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: MRS
	DESIGNED BY: NLL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_22	SHEET 22 OF 43

NOT TO SCALE

EXIT 6 - RAMP B NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.045 TO 0.085 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.045 TO .085 SOLID LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.083 TO 0.085 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.076 TO 0.085 RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
0.069 TO 0.076 RT

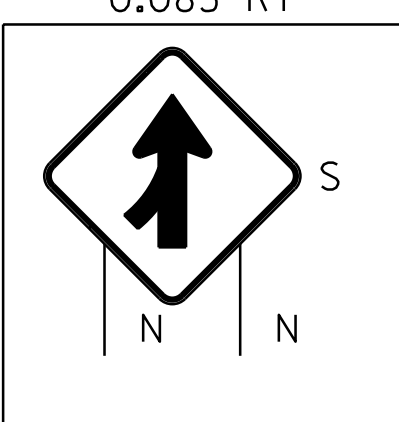
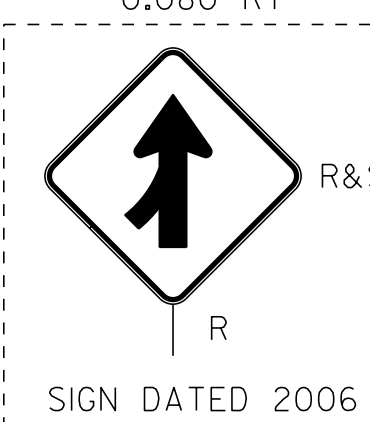
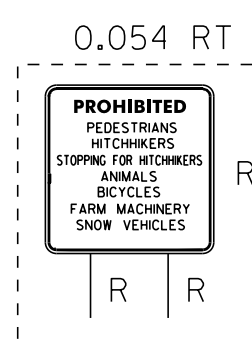
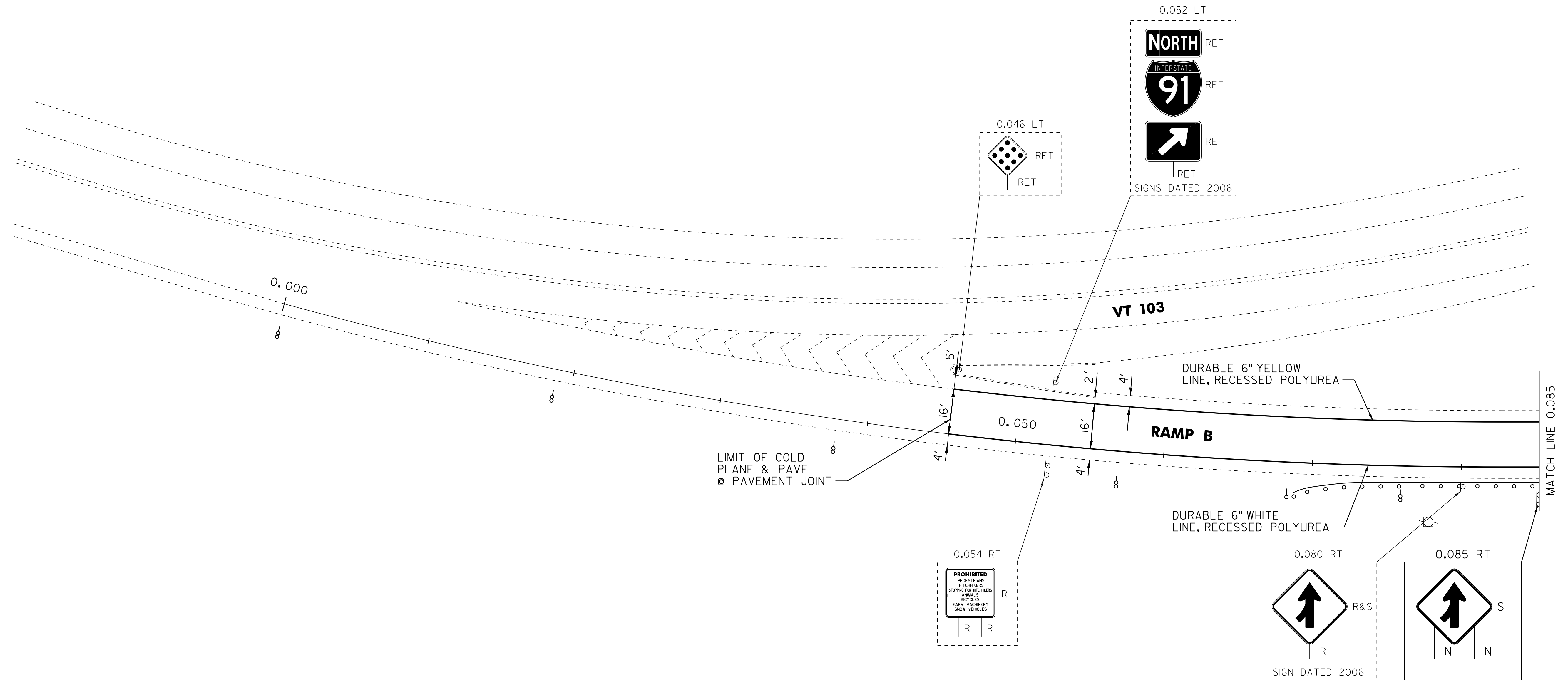
203.40 SHOULDER BERM REMOVAL
0.081 TO 0.085 RT

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

676.10 DELINEATOR WITH STEEL POST
0.069 RT

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = EXISTING GUARDRAIL
- = PROPOSED GUARDRAIL
- = TYPE I DELINEATOR, WHITE
- = TYPE I DELINEATOR, AMBER
- = TYPE II DELINEATOR, WHITE
- = TYPE II DELINEATOR, RIGHT
- = TYPE III DELINEATOR, LEFT

EXIT 6 NB ON RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

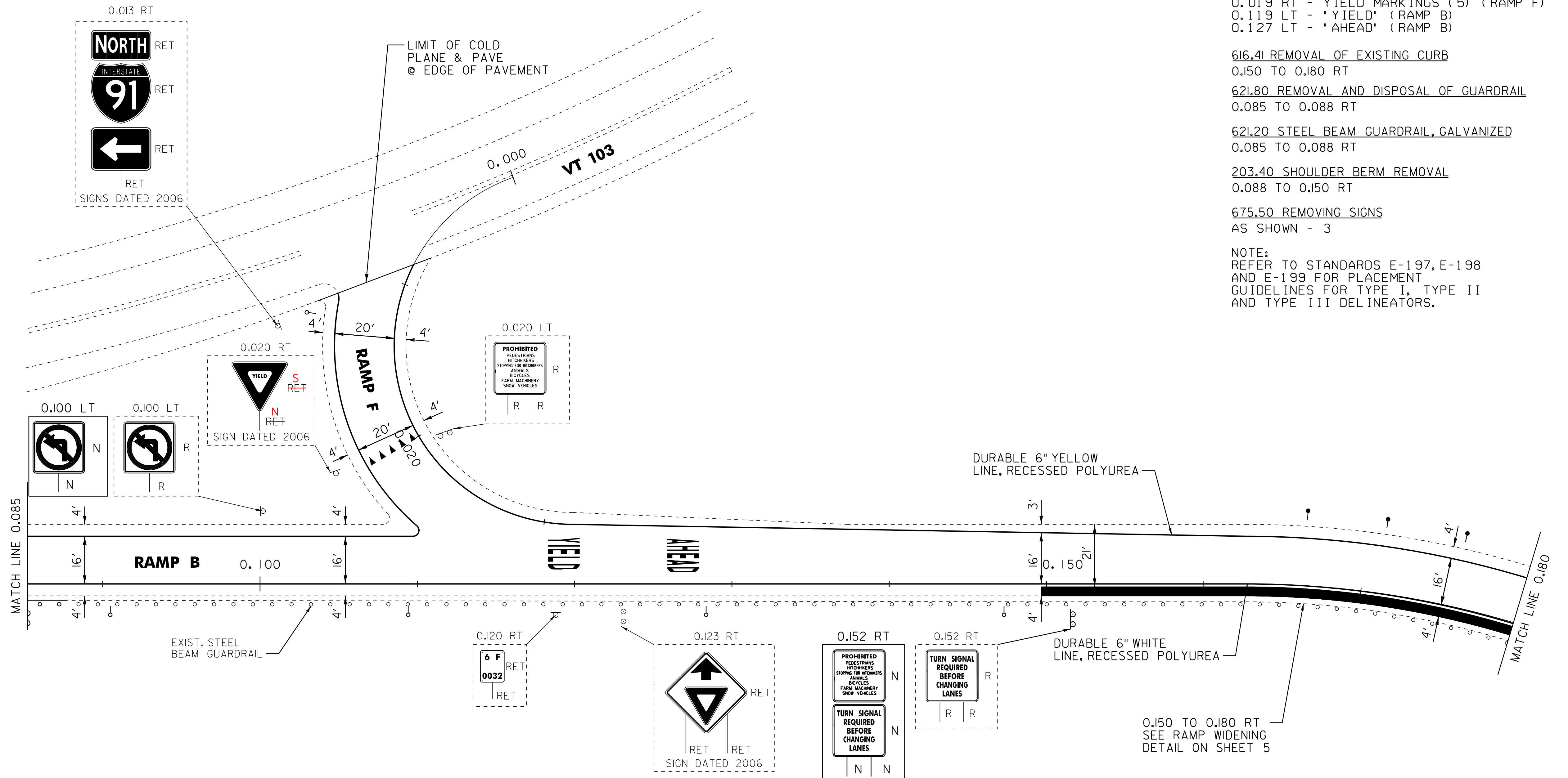
FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NULL
IPARM FILE NAME: 01a014_23

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 23 OF 43

NOT TO SCALE

EXIT 6 - RAMP B & F NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES



- 646.622 TEMPORARY 6" WHITE LINE, PAINT
- 646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
- 0.011 TO 0.022 SOLID RT (RAMP F)
- 0.085 TO 0.180 SOLID RT (RAMP B)
- 646.632 TEMPORARY 6" YELLOW LINE, PAINT
- 646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
- 0.008 TO 0.032 SOLID RT (RAMP F)
- 0.085 TO 0.108 SOLID LT (RAMP B)
- 0.120 TO 0.180 SOLID LT (RAMP B)
- 646.662 TEMPORARY 12" WHITE LINE, PAINT
- 646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
- 0.022 TO 0.024 SOLID RT (RAMP F)
- 0.108 TO 0.111 SOLID LT (RAMP B)

- 646.692 TEMPORARY LETTER OR SYMBOL, PAINT
- 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
- 0.019 RT - YIELD MARKINGS (5) (RAMP F)
- 0.119 LT - "YIELD" (RAMP B)
- 0.127 LT - "AHEAD" (RAMP B)

616.41 REMOVAL OF EXISTING CURB
0.150 TO 0.180 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.085 TO 0.088 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.085 TO 0.088 RT

203.40 SHOULDER BERM REMOVAL
0.088 TO 0.150 RT

675.50 REMOVING SIGNS
AS SHOWN - 3

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.

LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = EXISTING GUARDRAIL
- - - = PROPOSED GUARDRAIL
- = TYPE I DELINEATOR, WHITE
- = TYPE I DELINEATOR, AMBER
- ⊗ = TYPE II DELINEATOR, WHITE
- ⊙ = TYPE III DELINEATOR, RIGHT
- ⊖ = TYPE III DELINEATOR, LEFT

EXIT 6 NB ON RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_24

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 24 OF 43

NOT TO SCALE

EXIT 6 - RAMP B NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.180 TO 0.188 SOLID RT
35.402 TO 35.478 DOTTED RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.180 TO 0.188 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.188 TO 0.200 SOLID LT (RAMP B)
35.384 TO 35.402 SOLID RT (I-91)

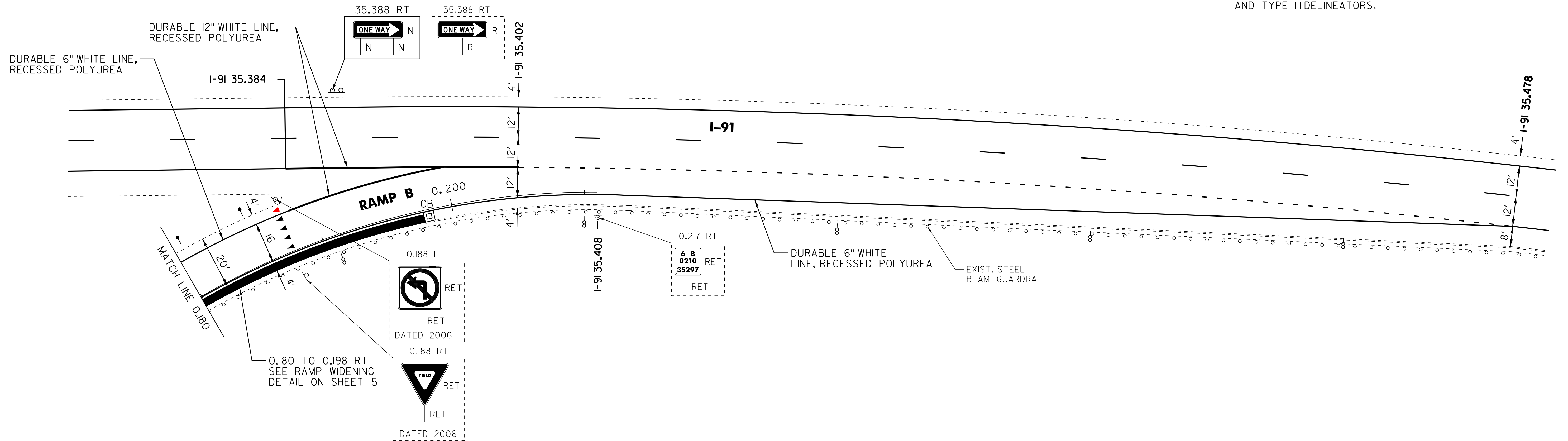
646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.188 LT - YIELD MARKINGS (-4) 5

604.40 CHANGING ELEVATION OF DROP INLETS,
CATCH BASINS OR MANHOLES
0.198 RT (CB)

616.41 REMOVAL OF EXISTING CURB
0.180 TO 0.198 RT

675.50 REMOVING SIGNS
AS SHOWN - 1

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = EXISTING GUARDRAIL
- - - = PROPOSED GUARDRAIL
- = TYPE I DELINEATOR, WHITE
- = TYPE I DELINEATOR, AMBER
- ⊙ = TYPE II DELINEATOR, WHITE
- ⊙ = TYPE III DELINEATOR, RIGHT
- ⊙ = TYPE III DELINEATOR, LEFT

EXIT 6 NB ON RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT LEADER: PTS	DRAWN BY: MRS
DESIGNED BY: NULL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_25	SHEET 25 OF 43

NOT TO SCALE

EXIT 7 - RAMP D & H NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.027 TO 0.110 SOLID RT (RAMP D)
0.054 TO 0.100 SOLID RT (RAMP H)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.028 TO 0.100 SOLID LT (RAMP D)
0.055 TO 0.110 SOLID LT (RAMP H)

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.100 TO 0.105 SOLID LT (RAMP H)
0.100 TO 0.106 SOLID LT (RAMP D)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.090 LT - YIELD MARKINGS (4) (RAMP H)
5

616.41 REMOVAL OF EXISTING CURB
0.028 TO 0.110 RT

675.50 REMOVING SIGNS
AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.

DURABLE 6" YELLOW
LINE, RECESSED POLYUREA

DURABLE 6" WHITE
LINE, RECESSED POLYUREA

DURABLE 12" WHITE
LINE, RECESSED POLYUREA

REMOVE EXIST. PAVED GUTTER
PAID AS ITEM 203.28
PLACE TOPSOIL AND SEED

REMOVE EXIST. PAVED GUTTER
PAID AS ITEM 203.28
PLACE TOPSOIL AND SEED

0.028 TO 0.109 RT
SEE RAMP WIDENING
DETAIL ON SHEET 5

REMOVE EXIST. PAVED GUTTER
PAID AS ITEM 203.28
PLACE TOPSOIL AND SEED

DURABLE 6" YELLOW
LINE, RECESSED POLYUREA

DURABLE 6" WHITE LINE,
RECESSED POLYUREA

LIMIT OF COLD
PLANE & PAVE
@ PAVEMENT JOINT

US 5

LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = EXISTING GUARDRAIL
- - - = PROPOSED GUARDRAIL
- ⊙ = TYPE I DELINEATOR, WHITE
- ⊙ = TYPE I DELINEATOR, AMBER
- ⊙ = TYPE II DELINEATOR, WHITE
- ⊙ = TYPE III DELINEATOR, RIGHT
- ⊙ = TYPE III DELINEATOR, LEFT

NOT TO SCALE

EXIT 7 NB ON RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD

PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014

PROJECT LEADER: PTS

DESIGNED BY: NULL

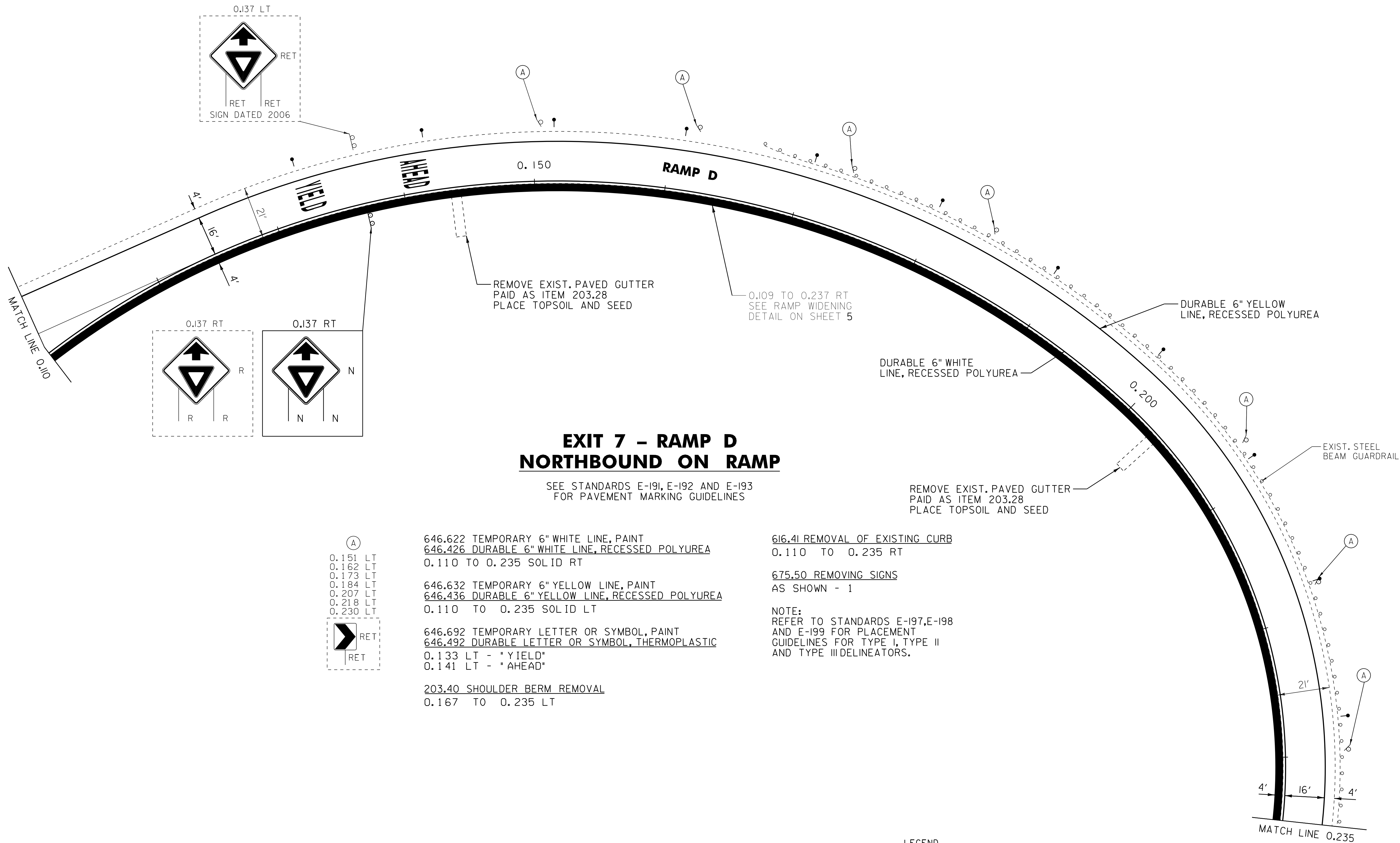
IPARM FILE NAME: 01a014_26

PLOT DATE: 17-JAN-2013 12:44

DRAWN BY: MRS

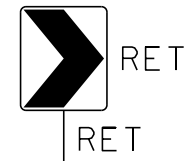
CHECKED BY: PTS

SHEET 26 OF 43



**EXIT 7 - RAMP D
NORTHBOUND ON RAMP**

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

- (A) 0.151 LT
 - 0.162 LT
 - 0.173 LT
 - 0.184 LT
 - 0.207 LT
 - 0.218 LT
 - 0.230 LT
- 

- 646.622 TEMPORARY 6" WHITE LINE, PAINT
- 646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
- 0.110 TO 0.235 SOLID RT

- 646.632 TEMPORARY 6" YELLOW LINE, PAINT
- 646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
- 0.110 TO 0.235 SOLID LT

- 646.692 TEMPORARY LETTER OR SYMBOL, PAINT
- 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
- 0.133 LT - "YIELD"
- 0.141 LT - "AHEAD"

- 203.40 SHOULDER BERM REMOVAL
- 0.167 TO 0.235 LT

- 616.41 REMOVAL OF EXISTING CURB
- 0.110 TO 0.235 RT

- 675.50 REMOVING SIGNS
- AS SHOWN - 1

- NOTE:
- REFER TO STANDARDS E-197, E-198
- AND E-199 FOR PLACEMENT
- GUIDELINES FOR TYPE I, TYPE II
- AND TYPE III DELINEATORS.

- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = EXISTING GUARDRAIL
 - - - = PROPOSED GUARDRAIL
 - = TYPE I DELINEATOR, WHITE
 - = TYPE I DELINEATOR, AMBER
 - = TYPE II DELINEATOR, WHITE
 - = TYPE III DELINEATOR, RIGHT
 - = TYPE III DELINEATOR, LEFT

EXIT 7 NB ON RAMP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: MRS
	DESIGNED BY: NULL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_27	SHEET 27 OF 43

NOT TO SCALE

EXIT 7 - RAMP D NORTHBOUND ON RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.235 TO 0.327 SOLID RT
41.656 TO 41.704 DASHED RT
41.674 TO 41.704 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.235 TO 0.259 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.259 TO 0.309 SOLID LT
41.604 TO 41.656 SOLID RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.255 LT - YIELD MARKINGS (4)5

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.245 TO 0.250 LT
0.291 TO 0.303 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.245 TO 0.250 LT
0.248 TO 0.303 RT

621.50 MANUFACTURED TERMINAL SECTION (FLARED)
0.241 TO 0.248 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
0.250 LT

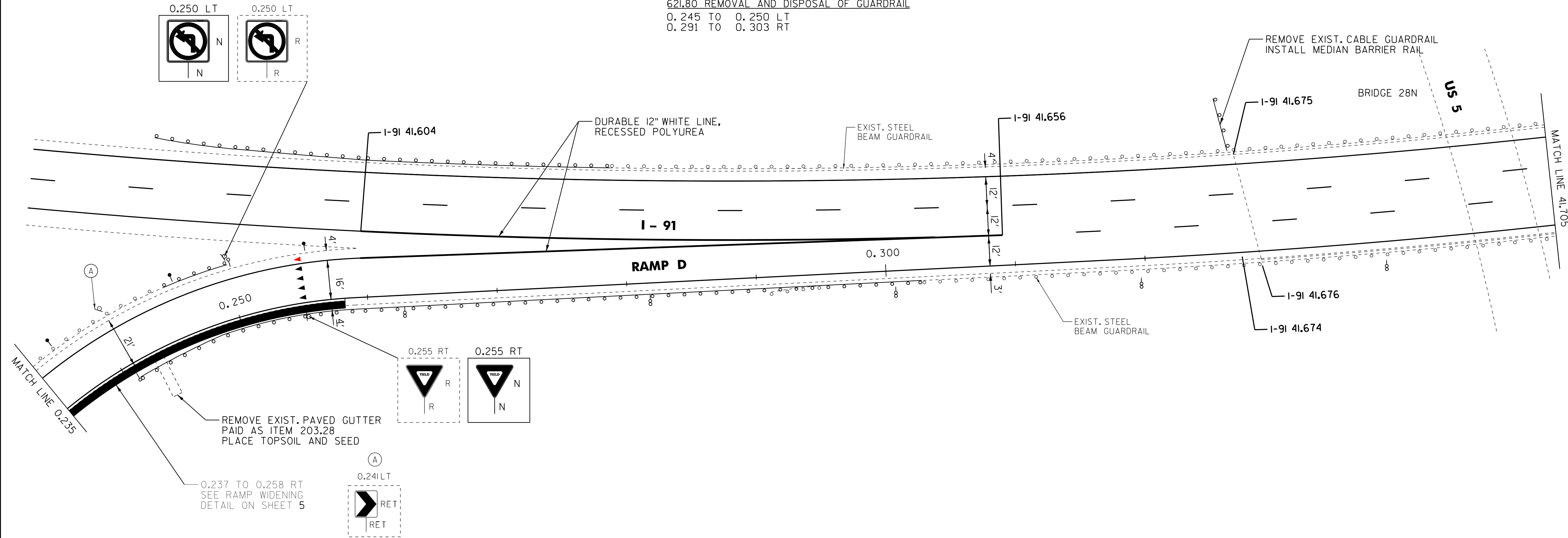
203.40 SHOULDER BERM REMOVAL
0.235 TO 0.245 LT
0.303 TO 41.676 RT

616.41 REMOVAL OF EXISTING CURB
0.235 TO 0.258 RT

675.50 REMOVING SIGNS
AS SHOWN - 2

676.10 DELINEATOR WITH STEEL POST
0.241 RT
0.250 LT

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.



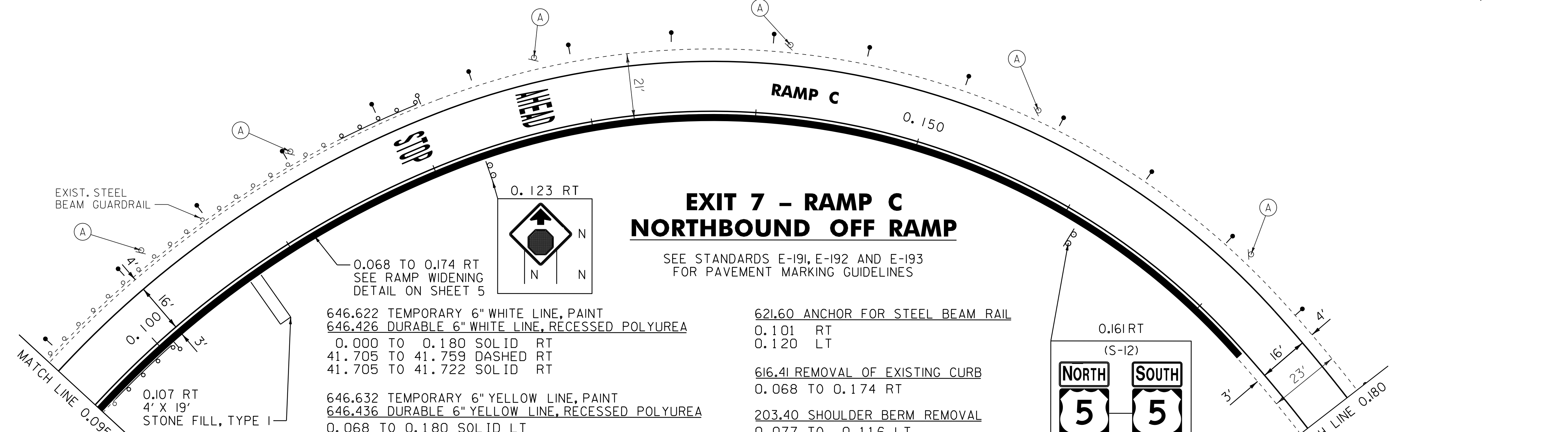
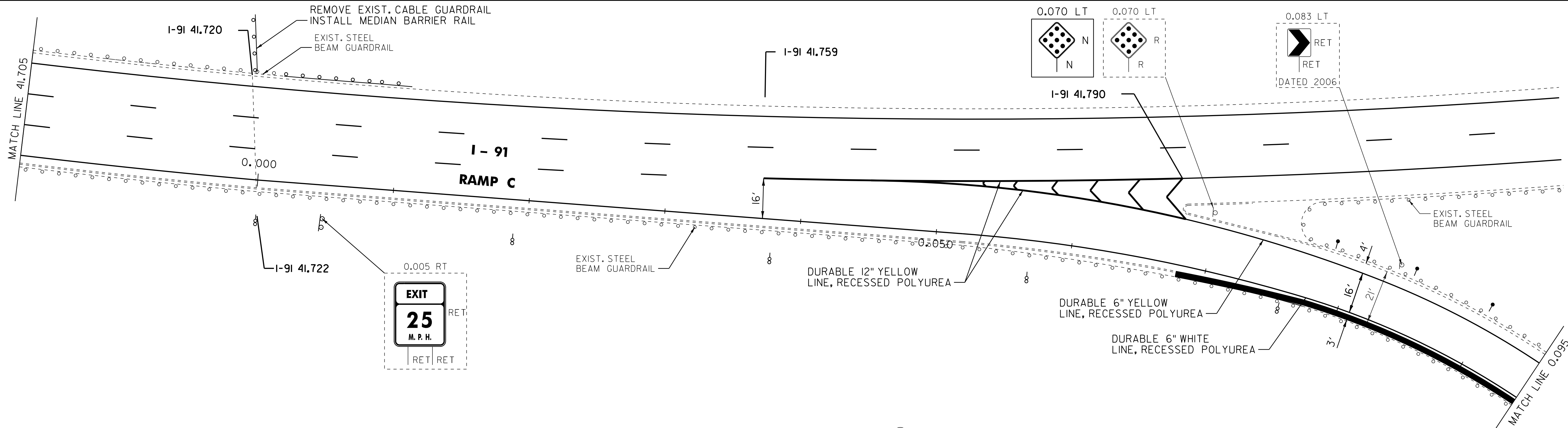
LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
---	=	EXISTING GUARDRAIL
o-o	=	PROPOSED GUARDRAIL
o	=	TYPE I DELINEATOR, WHITE
o	=	TYPE I DELINEATOR, AMBER
o	=	TYPE II DELINEATOR, WHITE
o	=	TYPE III DELINEATOR, RIGHT
o	=	TYPE III DELINEATOR, LEFT

EXIT 7 NB ON RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD	PLOT DATE: 17-JAN-2013 12:44
PROJECT NUMBER: IM 091-1(62)	DRAWN BY: MRS
FILE NAME: /pave/01a014/pa014	CHECKED BY: PTS
PROJECT LEADER: PTS	SHEET 28 OF 43
DESIGNED BY: NULL	
IPARM FILE NAME: 01a014_28	

NOT TO SCALE



**EXIT 7 - RAMP C
NORTHBOUND OFF RAMP**

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.000 TO 0.180 SOLID RT
41.705 TO 41.759 DASHED RT
41.705 TO 41.722 SOLID RT

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.068 TO 0.180 SOLID LT

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.045 TO 0.068 SOLID LT
41.759 TO 41.790 SOLID RT
41.776 TO 41.790 SOLID RT (GORE STRIPES)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
0.119 RT - "STOP"
0.127 RT - "AHEAD"

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
0.096 TO 0.101 RT
0.116 TO 0.120 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0.096 TO 0.101 RT
0.116 TO 0.120 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
0.101 RT
0.120 LT

616.41 REMOVAL OF EXISTING CURB
0.068 TO 0.174 RT

203.40 SHOULDER BERM REMOVAL
0.077 TO 0.116 LT

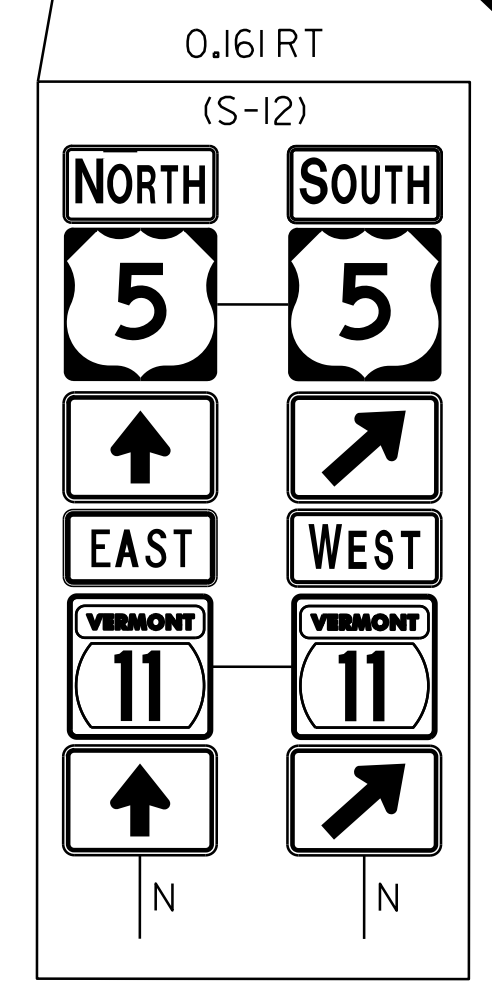
613.10 STONE FILL, TYPE I
0.107 RT

675.50 REMOVING SIGNS
AS SHOWN - 1

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 12

676.10 DELINEATOR WITH STEEL POST
0.101 RT
0.120 LT

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.



LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
---	=	EXISTING GUARDRAIL
- - -	=	PROPOSED GUARDRAIL
○	=	TYPE I DELINEATOR, WHITE
○	=	TYPE I DELINEATOR, AMBER
○	=	TYPE II DELINEATOR, WHITE
○	=	TYPE III DELINEATOR, RIGHT
○	=	TYPE III DELINEATOR, LEFT

EXIT 7 NB OFF RAMP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NLL
IPARM FILE NAME: 01a014_29

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 29 OF 43

NOT TO SCALE

EXIT 7 - RAMP C & G NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

646.622 TEMPORARY 6" WHITE LINE, PAINT
646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
0.180 TO 0.285 SOLID RT (RAMP C)
0.271 TO 0.285 SOLID RT (RAMP G)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
0.180 TO 0.246 SOLID LT (RAMP C)
0.246 TO 0.285 SOLID LT (RAMP G)
0.270 TO 0.285 SOLID LT (RAMP C)

646.662 TEMPORARY 12" WHITE LINE, PAINT
646.466 DURABLE 12" WHITE LINE, RECESSED POLYUREA
0.265 TO 0.270 SOLID LT (RAMP C)
0.265 TO 0.271 SOLID RT (RAMP G)

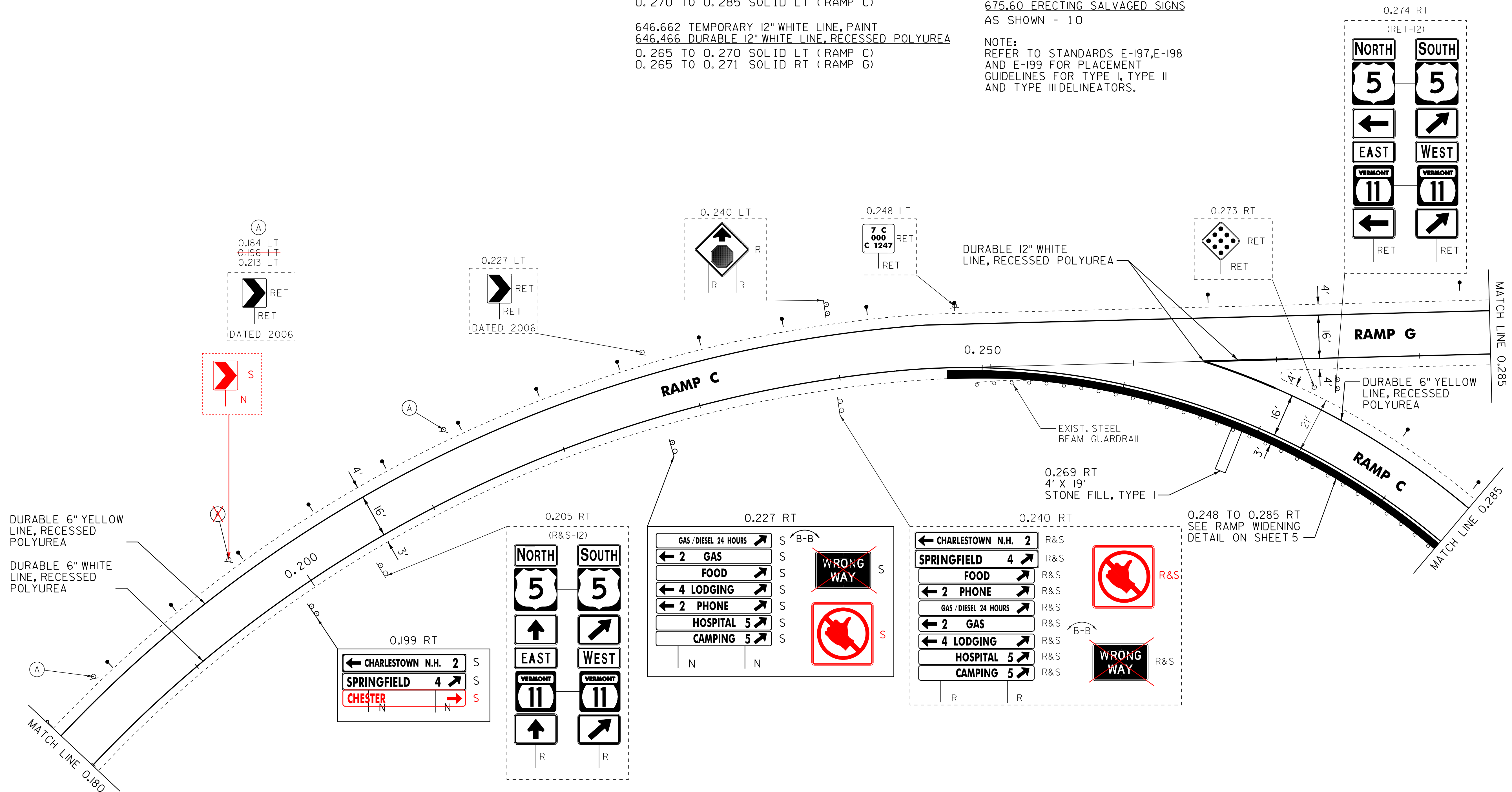
616.41 REMOVAL OF EXISTING CURB
0.247 TO 0.285 RT (RAMP C)

613.10 STONE FILL, TYPE I
0.269 RT (RAMP C)

675.50 REMOVING SIGNS
AS SHOWN - 23

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 10

NOTE:
REFER TO STANDARDS E-197, E-198
AND E-199 FOR PLACEMENT
GUIDELINES FOR TYPE I, TYPE II
AND TYPE III DELINEATORS.



NOTE:
TOWN SIGN INSTALLED ACCORDING TO
PLANS IN 2010. SIGN WAS HIT OVER
THE WINTER AND INSTALLED OVER THE
HOSPITALITY SIGN AT 0.227 RT BY
DISTRICT. CHESTER SIGN WAS ADDED
OVER THE WINTER AND INSTALLED AT
THE CORRECT LOCATION AGAIN DURING
2011 CONSTRUCTION.

LEGEND

R	=	REMOVE EXISTING
S	=	SALVAGE
R&S	=	REMOVE AND SALVAGE
N	=	NEW
RET	=	RETAIN
B-B	=	BACK TO BACK
---	=	EXISTING GUARDRAIL
---	=	PROPOSED GUARDRAIL
o	=	TYPE I DELINEATOR, WHITE
o	=	TYPE I DELINEATOR, AMBER
o	=	TYPE II DELINEATOR, WHITE
o	=	TYPE III DELINEATOR, RIGHT
o	=	TYPE III DELINEATOR, LEFT

EXIT 7 NB OFF RAMP DETAIL SHEET 2

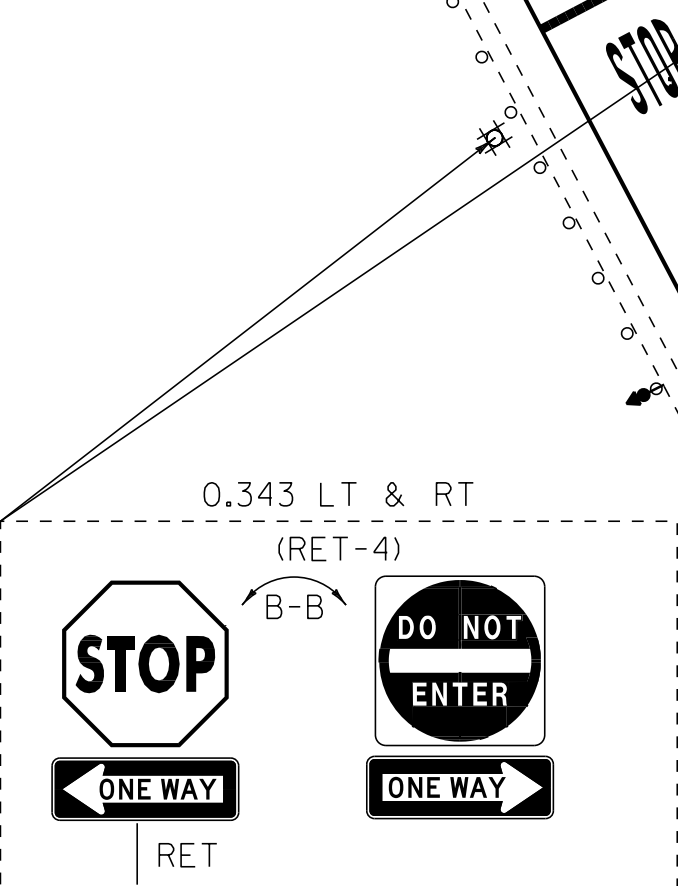
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NULL
IPARM FILE NAME: 01a014_30

PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: MRS
CHECKED BY: PTS
SHEET 30 OF 43

NOT TO SCALE

US 5



EXIT 7 - RAMP C & G NORTHBOUND OFF RAMP

SEE STANDARDS E-191, E-192 AND E-193
FOR PAVEMENT MARKING GUIDELINES

LIMIT OF COLD PLANE & PAVE

DURABLE 6" WHITE LINE, RECESSED POLYUREA

DURABLE 6" YELLOW LINE, RECESSED POLYUREA

DURABLE 6" YELLOW LINE, RECESSED POLYUREA

LIMIT OF COLD PLANE & PAVE @ PAVEMENT JOINT

EXIST. STEEL BEAM GUARDRAIL

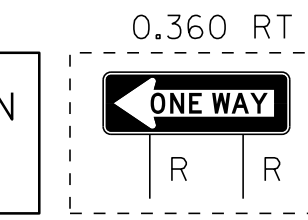
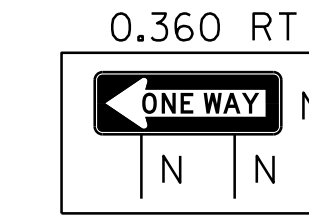
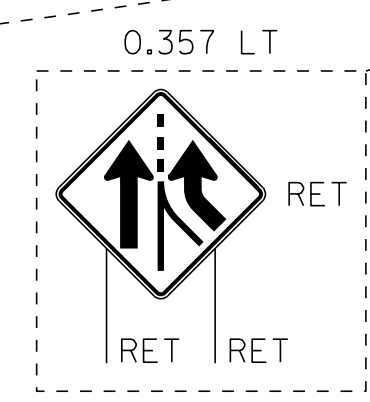
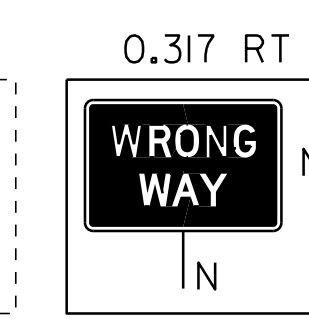
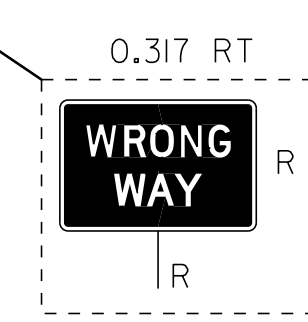
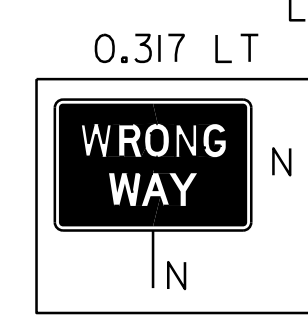
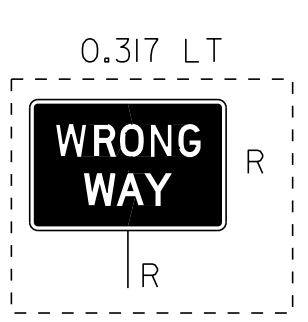
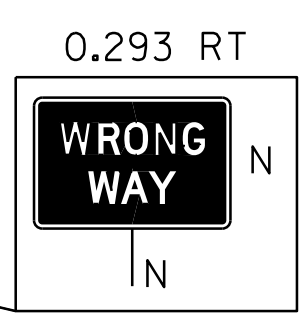
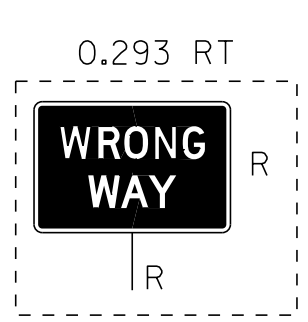
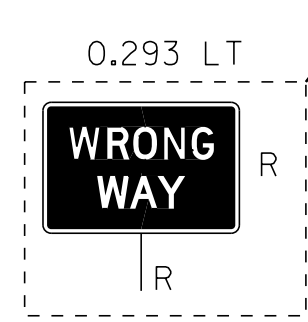
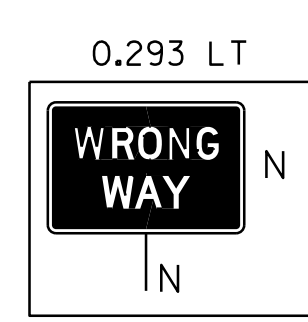
EXIST. STEEL BEAM GUARDRAIL

DURABLE 6" WHITE LINE, RECESSED POLYUREA

0.285 TO 0.333 RT
SEE RAMP WIDENING
DETAIL ON SHEET 5

EXIST. STEEL BEAM GUARDRAIL

MATCH LINE 0.285



646.622 TEMPORARY 6" WHITE LINE, PAINT
 646.426 DURABLE 6" WHITE LINE, RECESSED POLYUREA
 0.285 TO 0.360 SOLID RT (RAMP C)
 0.285 TO 0.346 SOLID RT (RAMP G)

646.632 TEMPORARY 6" YELLOW LINE, PAINT
 646.436 DURABLE 6" YELLOW LINE, RECESSED POLYUREA
 0.285 TO 0.360 SOLID LT (RAMP C)
 0.285 TO 0.349 SOLID LT (RAMP G)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
 0.293 LT - WRONG WAY ARROW (RAMP G)
 0.317 LT - WRONG WAY ARROW (RAMP C)
 0.342 LT - STOP (RAMP G)

646.682 TEMPORARY 24" STOP BAR, PAINT
 646.482 DURABLE 24" STOP BAR, THERMOPLASTIC
 0.345 LT (RAMP G)

616.41 REMOVAL OF EXISTING CURB
 0.285 TO 0.333 RT (RAMP C)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 0.332 TO 0.337 RT (RAMP C)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 0.332 TO 0.337 RT (RAMP C)

621.60 ANCHOR FOR STEEL BEAM RAIL
 0.337 RT (RAMP C)

604.40 CHANGING ELEVATION OF DROP INLETS,
 CATCH BASINS OR MANHOLES
 0.333 RT (CB) (RAMP C)

675.50 REMOVING SIGNS
 AS SHOWN - 5

203.40 SHOULDER BERM REMOVAL
 0.300 TO 0.348 LT (RAMP G)

676.10 DELINEATOR WITH STEEL POST
 0.337 RT (RAMP C)

NOTE:
 REFER TO STANDARDS E-197, E-198
 AND E-199 FOR PLACEMENT
 GUIDELINES FOR TYPE I, TYPE II
 AND TYPE III DELINEATORS.

LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = EXISTING GUARDRAIL
- - - = PROPOSED GUARDRAIL
- = TYPE I DELINEATOR, WHITE
- = TYPE I DELINEATOR, AMBER
- = TYPE II DELINEATOR, WHITE
- = TYPE III DELINEATOR, RIGHT
- = TYPE III DELINEATOR, LEFT

EXIT 7 NB OFF RAMP DETAIL SHEET 3

PROJECT NAME: WESTMINSTER-SPRINGFIELD
 PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
 PROJECT LEADER: PTS
 DESIGNED BY: NULL
 IPARM FILE NAME: 01a014_31

PLOT DATE: 17-JAN-2013 12:44
 DRAWN BY: MRS
 CHECKED BY: PTS
 SHEET 31 OF 43

NOT TO SCALE

TRAFFIC SIGN SUMMARY SHEET #4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL					
				"A"	"B"	SALV SIGN	SALV TIS			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
		1.75	2.0							2.5	ANCHOR	SLEEVE	FOUND-ACTION	FTG. SIZE				WEIGHT	POST SIZE									
		lb/ft			3.0	4.0	4.0 MOD			3.0				3.5	4.0	5.0	24"			30"								
			1.88	2.42	3.35			1.3	1.7	1.7																		
0.152 RT		I	36	36	9.00				2		X		X											VR-046		E-142		
		I	36	36	9.00																			VR-002		E-146		
35.388 RT		I	36	12	3.00				2		X		X											R6-IR		SHS		
EXIT 7 RAMP D NB ON RAMP																												
0.054 RT		I	36	36	9.00				2		X		X											VR-046		E-142		
		I	36	36	9.00																				VR-002		E-142	
0.086 RT								I	2		X		X												W4-1		SHS	
0.137 RT		I	36	36	9.00				2		X		X												W3-2A		SHS	
0.250 LT		I	30	30	6.25				1		X		X												R3-2		SHS	
0.255 RT		I			3.90				1		X		X												RI-2 36"X36"X36"		SHS	
EXIT 7 RAMP H NB ON RAMP 0.069 RT																												
0.069 RT		I	36	36	9.00				2		X		X												VR-046		E-142	
		I	36	36	9.00																					VR-002		E-142
0.090 RT		I			3.90				1		X		X													RI-2 36"X36"X36"		SHS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND VTRANS "SIGN POST DESIGN GUIDELINE."

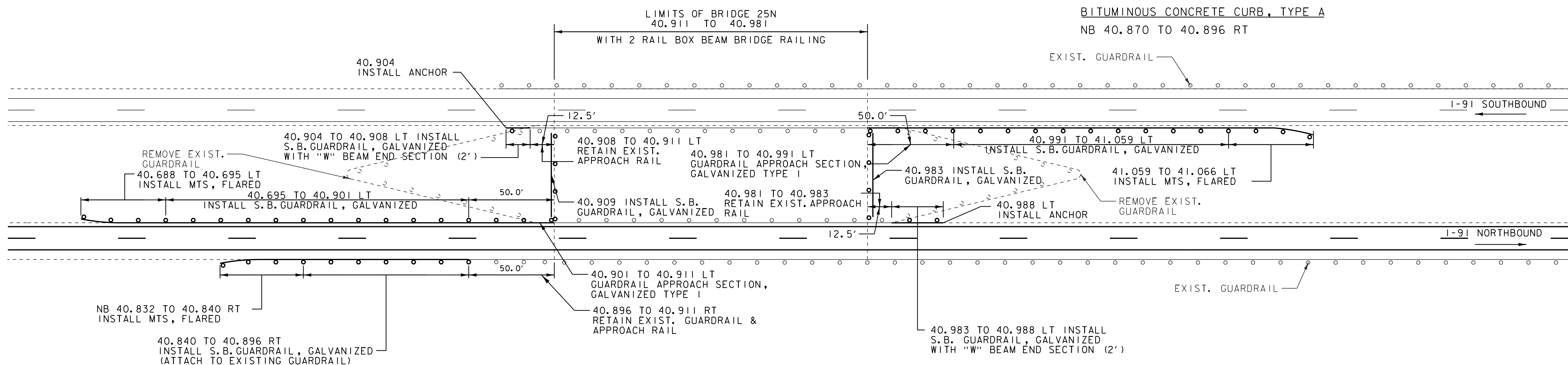
SHEET TOTAL	SF	SF	EA.	EA.		FT	EA.	LB	LB	EA.	LB	EA.	EA.	LB
	80.05		1			225.0								

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: WESTMINSTER-SPRINGFIELD	PLOT DATE: 17-JAN-2013 12:44
PROJECT NUMBER: IM 091-1(62)	DRAWN BY: JBZ
FILE NAME: \$FILEABBREV\$	CHECKED BY: PTS
PROJECT LEADER: PTS	SHEET 35 OF 43
DESIGNED BY: NLL	
IPARM FILE NAME: 01a014_35	

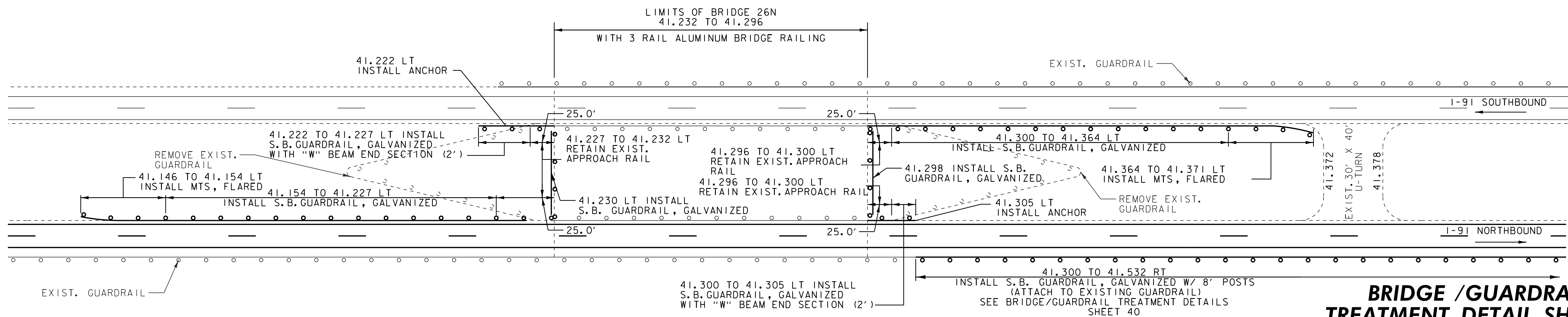
GUARDRAIL TREATMENT AT BULLNOSE LOCATION - BRIDGE 25N

BRIDGE 25N NORTHBOUND & SOUTHBOUND MM 40.922
INTERSTATE 91 OVER US ROUTE 5



GUARDRAIL TREATMENT AT BULLNOSE LOCATION - BRIDGE 26N

BRIDGE 26N NORTHBOUND & SOUTHBOUND MM 41.264
INTERSTATE 91 OVER BLACK RIVER



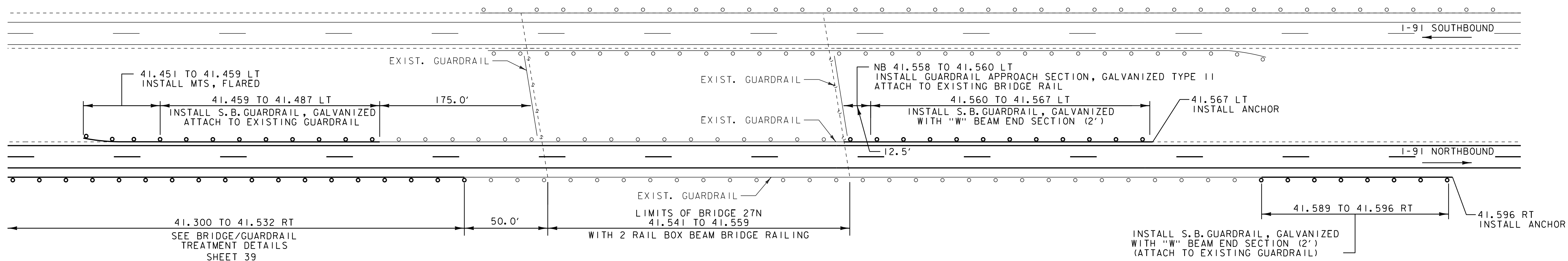
BRIDGE / GUARDRAIL TREATMENT DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD	
PROJECT NUMBER: IM 091-1(62)	
FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT LEADER: PTS	DRAWN BY: JBZ
DESIGNED BY: NULL	CHECKED BY: PTS
IPARM FILE NAME: 01a014_39	SHEET 39 OF 43

NOT TO SCALE

GUARDRAIL TREATMENT - BRIDGE 27N

BRIDGE 27N NORTHBOUND MM 41.550
INTERSTATE 91 OVER SPRINGFIELD BIKE PATH



GUARDRAIL TREATMENT - BRIDGE 28N

SEE SHEETS 28 AND 29

BRIDGE / GUARDRAIL TREATMENT DETAIL SHEET 3

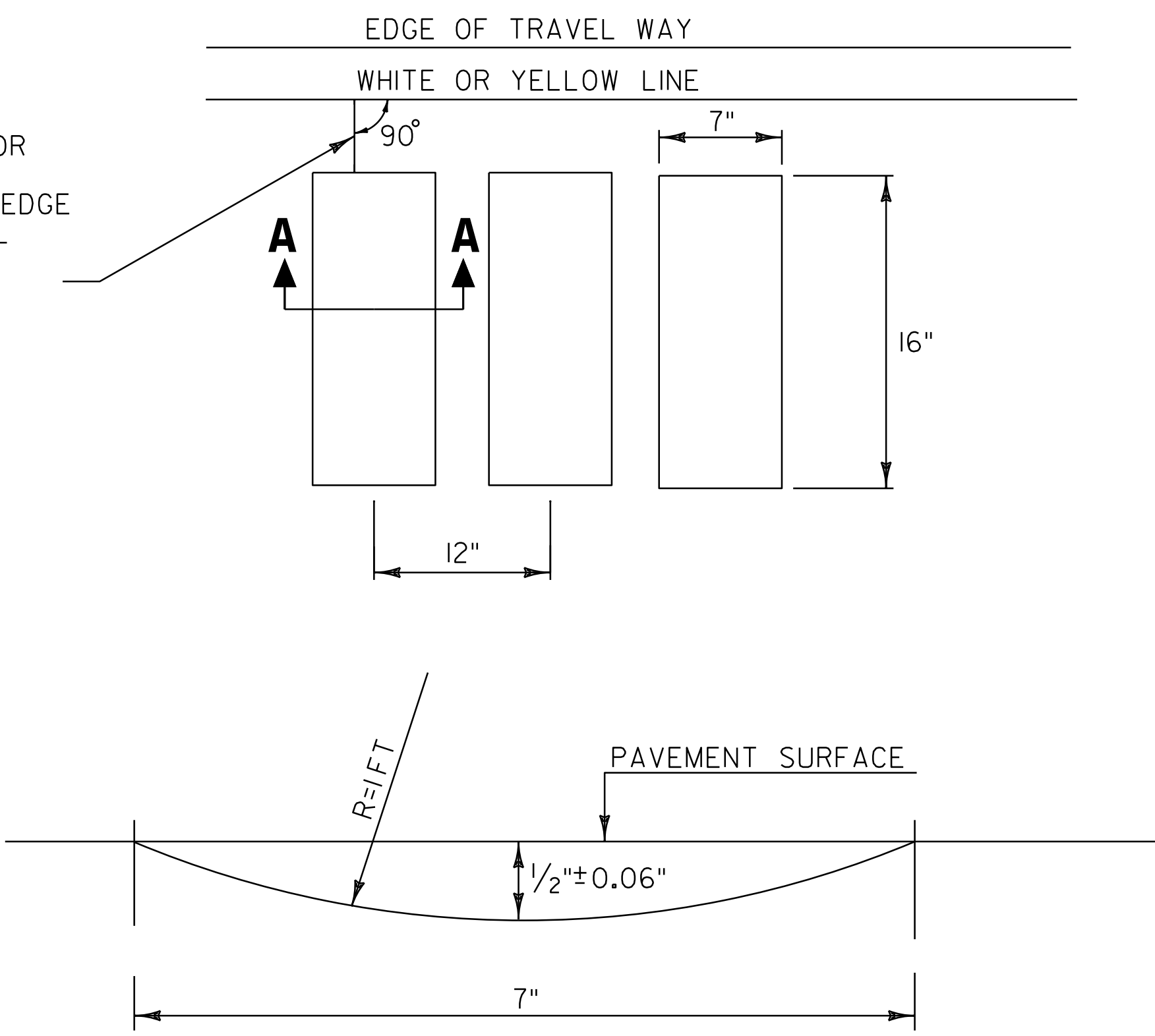
PROJECT NAME: WESTMINSTER-SPRINGFIELD
PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
PROJECT LEADER: PTS
DESIGNED BY: NULL
IPARM FILE NAME: 01a014_40

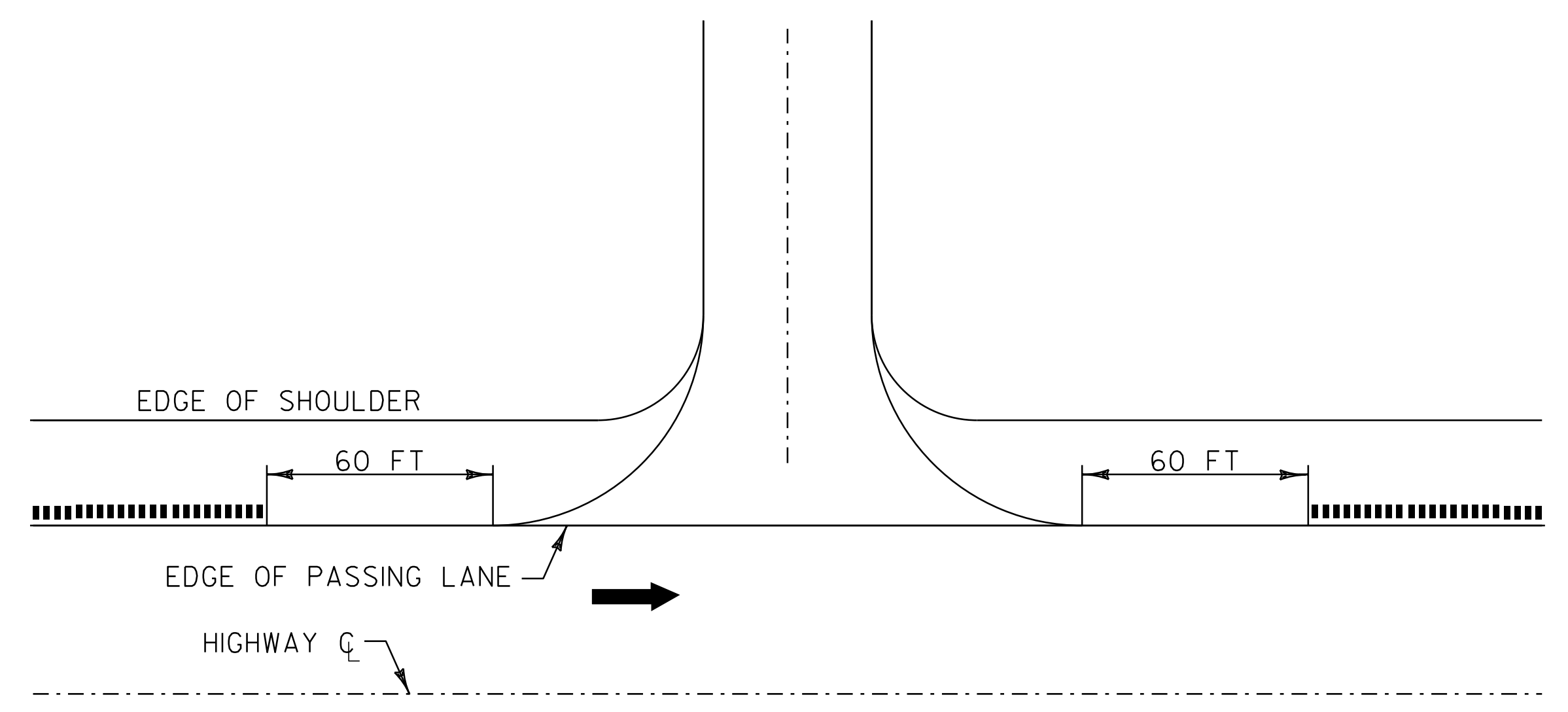
PLOT DATE: 17-JAN-2013 12:44
DRAWN BY: HJD
CHECKED BY: PTS
SHEET 40 OF 43

NOT TO SCALE

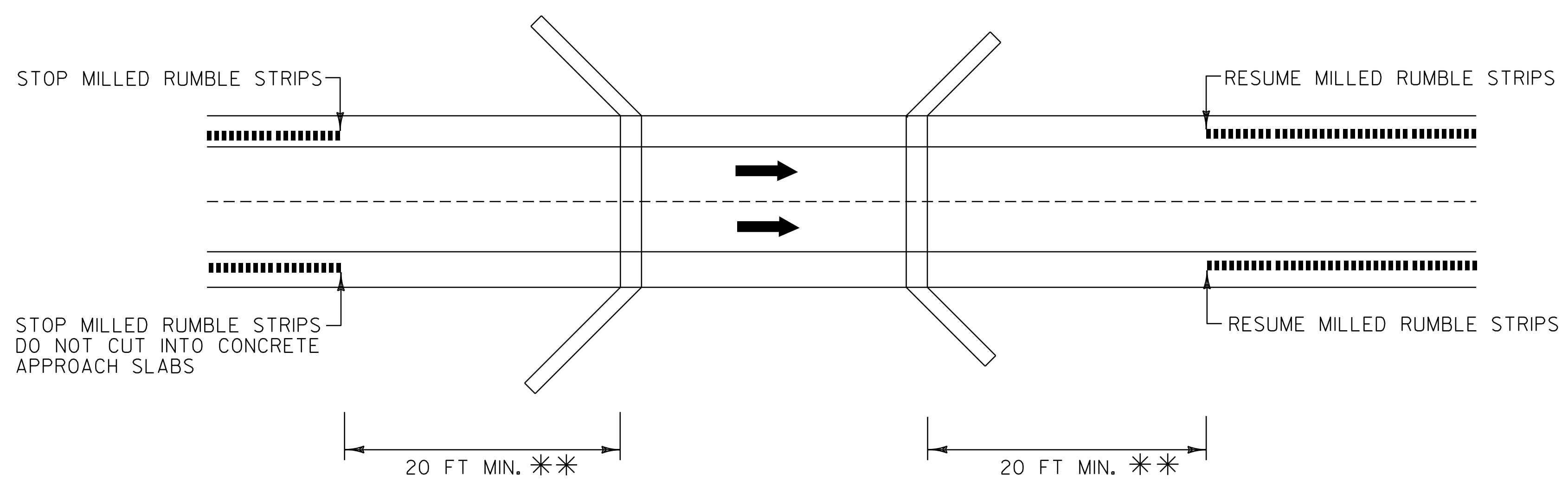
PLACE RUMBLE STRIPS 30" FROM EDGE LINE (WHITE OR YELLOW) FOR ALL SHOULDERS 6' OR WIDER.
 PLACE RUMBLE STRIPS 6" FROM EDGE LINE (WHITE OR YELLOW) FOR ALL SHOULDERS LESS THAN 6' WIDE WITH NO GUARDRAIL



SECTION A-A
TYPICAL MILLING DETAIL



U-TURN DETAIL



** BRIDGE RAIL WILL DETERMINE MINIMUM DISTANCE IN SOME CASES.

BRIDGE DETAIL

NOT TO SCALE

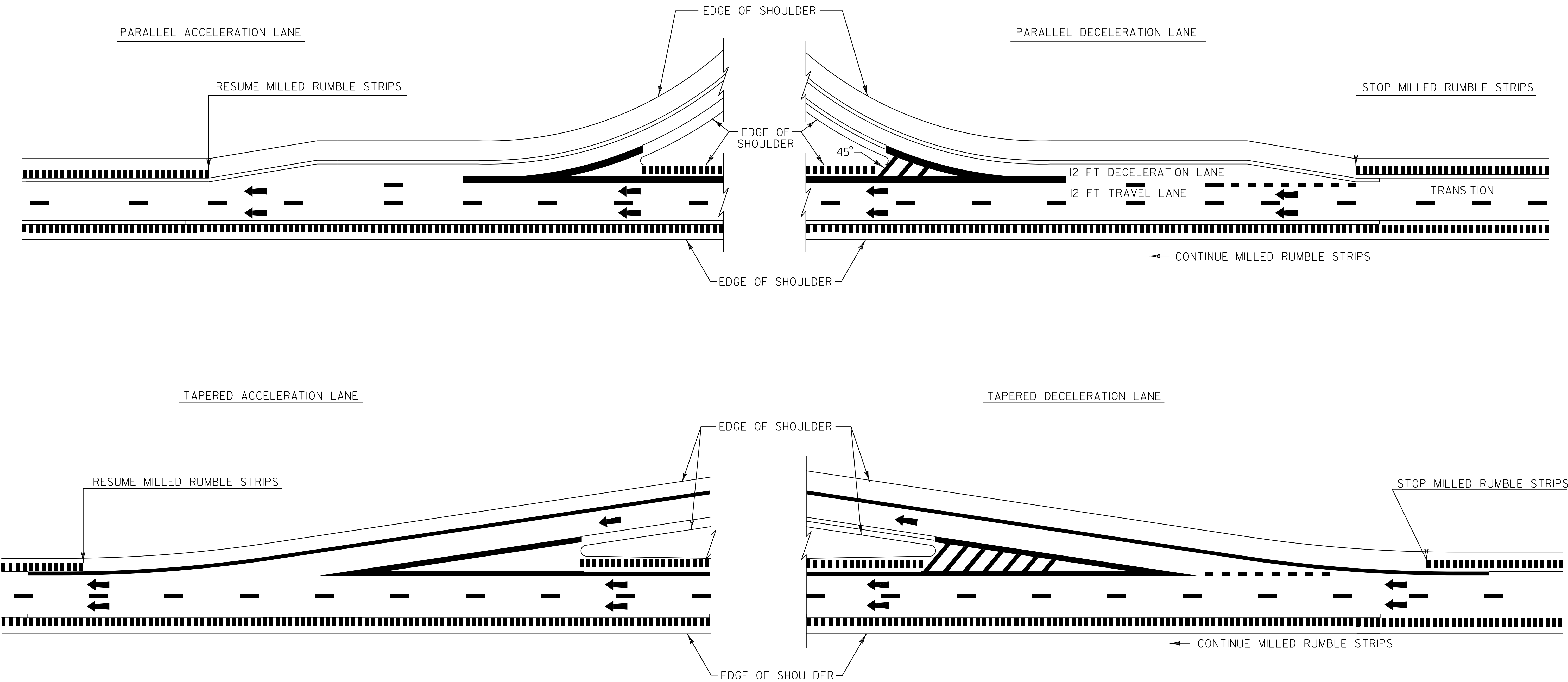
LEGEND

- DIRECTION OF TRAFFIC FLOW
- MILLED RUMBLE STRIPS

MILLED RUMBLE STRIP DETAIL SHEET 1

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: MRS
	DESIGNED BY: NULL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_41	SHEET 41 OF 43

TYPICAL MILLED RUMBLE STRIP DETAIL AT INTERCHANGES





NOTE:

1. THIS TYPICAL MAY BE MODIFIED AT THE DISCRETION OF THE RESIDENT ENGINEER IF ACTUAL FIELD CONDITIONS NECESSITATE SUCH ACTIONS.

NOT TO SCALE

LEGEND

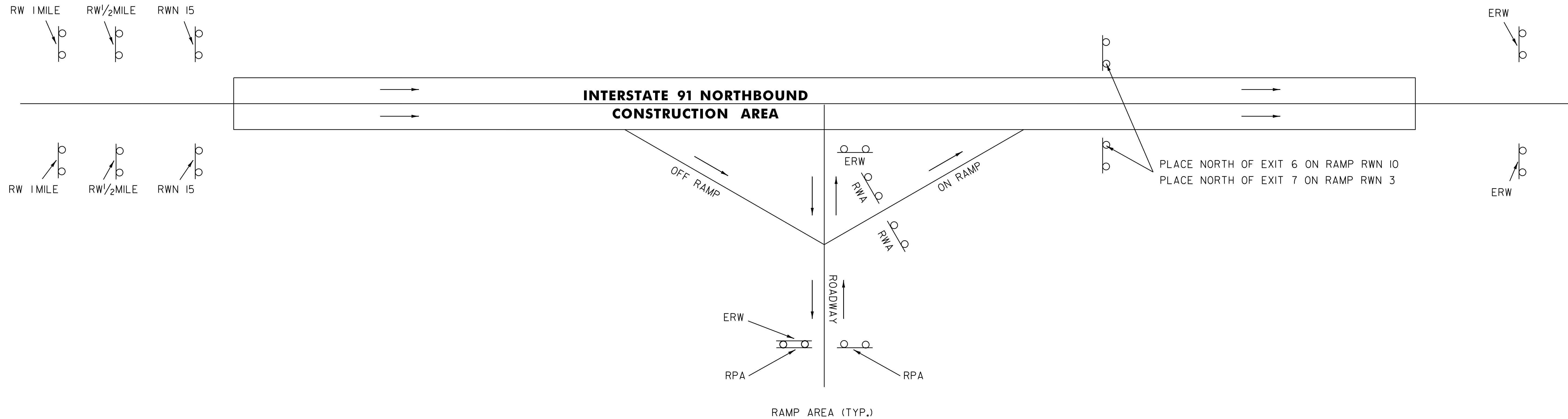
-  DIRECTION OF TRAFFIC FLOW
-  MILLED RUMBLE STRIPS

MILLED RUMBLE STRIP DETAIL SHEET 2

PROJECT NAME: WESTMINSTER-SPRINGFIELD
 PROJECT NUMBER: IM 091-1(62)

FILE NAME: /pave/01a014/pa014
 PROJECT LEADER: PTS
 DESIGNED BY: NULL
 IPARM FILE NAME: 01a014_42

PLOT DATE: 17-JAN-2013 12:44
 DRAWN BY: MRS
 CHECKED BY: PTS
 SHEET 42 OF 43



SEE STANDARDS E-100, E-100A AND E-103 FOR SIGN PLACEMENT.

NOTES:

- FIVE (5) PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE CONTRACTOR SHALL POSITION A PORTABLE CHANGEABLE MESSAGE SIGN AT:
 - * I-91 NORTHBOUND PRIOR TO THE PROJECT.
 - * AT EXIT 6 ON VT 103 AND US 5 IN EACH DIRECTION.
 - * AT EXIT 7 ON US 5 IN EACH DIRECTION.
- THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE AND ALL ITS TEMPORARY CONSTRUCTION SIGNING SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD (RWA)	ROAD WORK 1 MILE (RW1)	END ROAD WORK (ERW)	ROAD WORK 1/2 MILE (RW1/2)	ROAD WORK NEXT 15 MILES (RWN15)	ROAD WORK NEXT 10 MILES (RWN10)	ROAD WORK NEXT 3 MILES (RWN3)	SIDE ROAD WORK AHEAD (RWA)	RAMP WORK AHEAD	RAMP PAVING AHEAD (RPA)	PCMS
I-91 NORTHBOUND BEGINNING OF PROJECT		2		2	2						1
EXIT 6 INTERCHANGE	2		2					2 (US 5)	2 (VT 103)		2
STATION 1874+00						2					
EXIT 7 INTERCHANGE	2		2							2	2
STATION 2218+00							2				
END OF PROJECT			2								
TOTAL	4	2	6	2	2	2	2	2	2	2	4

NOT TO SCALE

- LEGEND**
 RW 1 MILE = ROAD WORK 1 MILE
 RW 1/2 MILE = ROAD WORK 1/2 MILE
 RWA = ROAD WORK AHEAD
 RWN = ROAD WORK NEXT XX MILES
 ERW = END ROAD WORK
 RPA = RAMP PAVING AHEAD
 → = TRAFFIC FLOW ARROWS

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME: WESTMINSTER-SPRINGFIELD	FILE NAME: /pave/01a014/pa014	PLOT DATE: 17-JAN-2013 12:44
PROJECT NUMBER: IM 091-1(62)	PROJECT LEADER: PTS	DRAWN BY: MRS
	DESIGNED BY: NULL	CHECKED BY: PTS
	IPARM FILE NAME: 01a014_43	SHEET 43 OF 43