

INDEX OF SHEETS
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STATE OF VERMONT AGENCY OF TRANSPORTATION



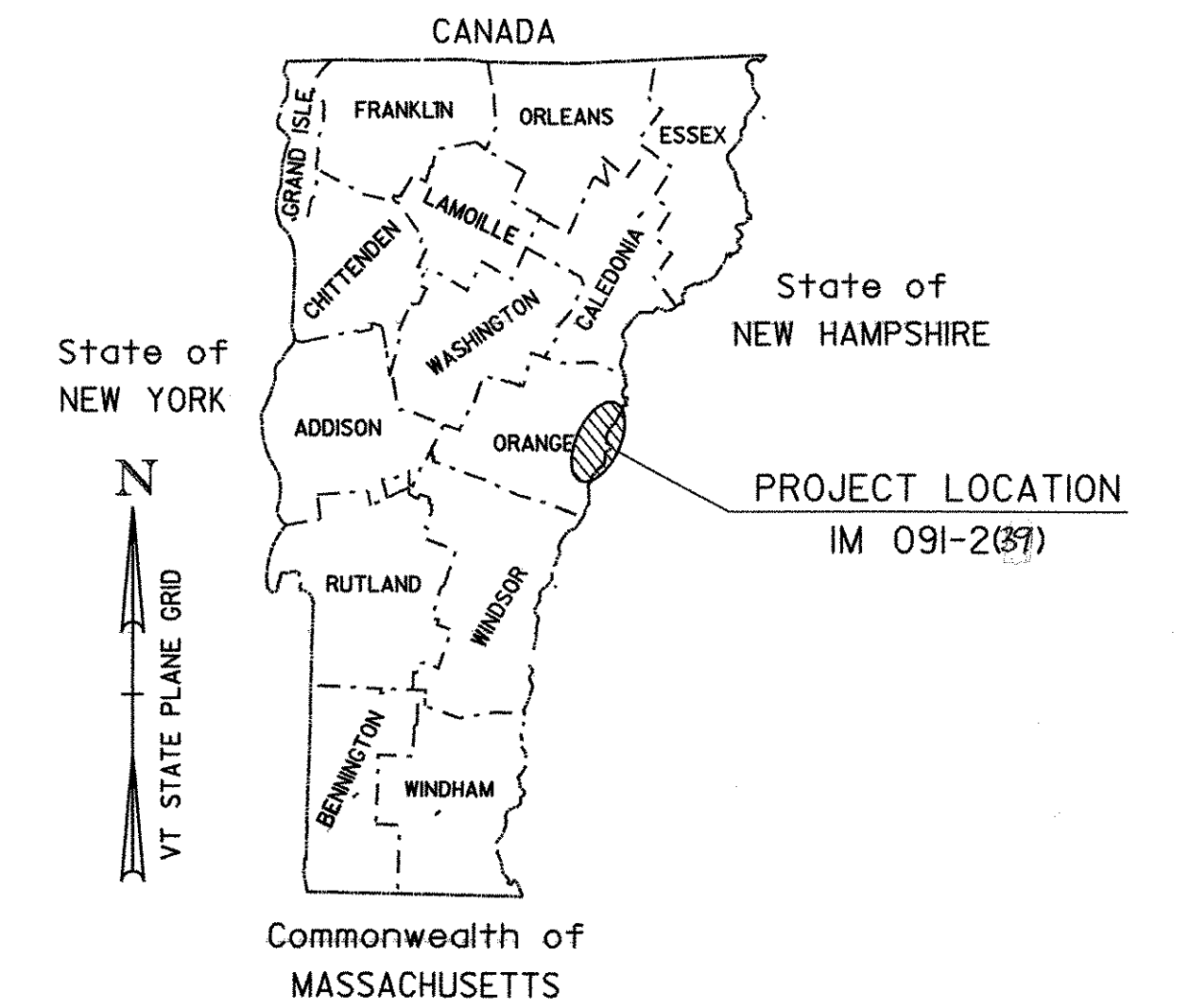
PROPOSED IMPROVEMENT TOWNS OF FAIRLEE, BRADFORD, AND NEWBURY COUNTY OF ORANGE INTERSTATE ROUTE 91 (NB)

BEGINNING AT STATION 4882+94.4 (MM 92.480) IN THE TOWN OF FAIRLEE AND EXTENDING NORTHERLY ALONG INTERSTATE 91(NB) FOR A DISTANCE OF 12.55 MILES TO STATION 5545+58.4 (MM 105.03) IN THE TOWN OF NEWBURY.

PROJECT DATA

FROM STA. 4882+94.4 (MM 92.480) TO STA. 5545+58.4 (MM 105.03)
 LENGTH OF ROADWAY = 66 264 FEET (12.550 MILES)
 LENGTH OF PROJECT = 66 264 FEET (12.550 MILES)

WORK TO PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING WITH A WEARING COURSE THE NORTHBOUND TRAVEL LANES, NORTHBOUND RAMPS OF INTERCHANGE 16, NORTHBOUND REST AREA AND U-TURNS. ALSO INCLUDED ARE NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS, AND INCIDENTAL ITEMS AS SHOWN IN THE PROJECT QUANTITIES.



TRAFFIC DATA

ADT		DHV		ESAL's	ESAL's
2005	2015	2005	2015	(2005-2015)	(2005-2025)
4200	5200	510	630	3,974,000	11,302,000

FAIRLEE - NEWBURY I-91, MM 92.480 TO MM 105.03 (NB)	
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL (20 YEAR)	11,302,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	PG 64-28

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN VT

RESIDENT ENGINEER: C. FIELDER

CONSTRUCTION BEGAN: JULY 12, 2005

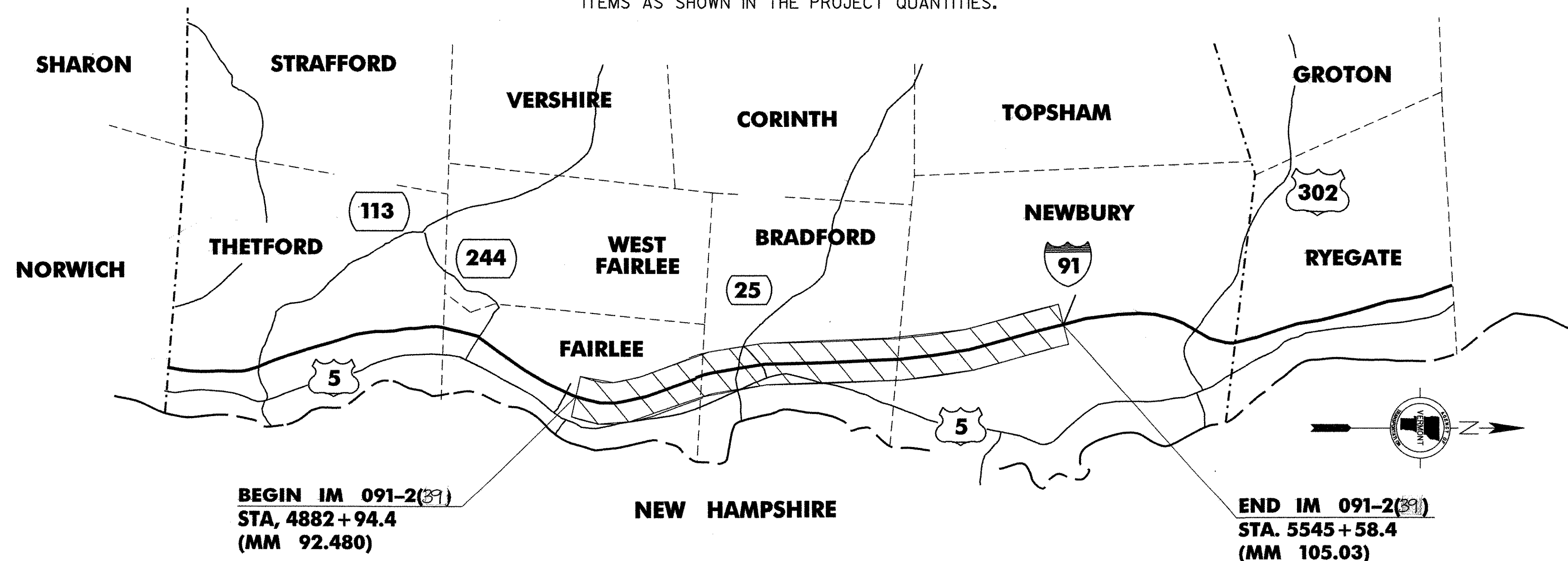
CONSTRUCTION COMPLETE:

RECORD PLANS BY: C. FIELDER & C. PIERCE

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

BY C. Fielder RESIDENT ENGINEER
DATE 3/1/07

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.



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 INDICATED, THE DRAWINGS AND DETAILS OF THESE PLANS ARE NOT TO SCALE.

SURVEYED BY :

SURVEYED DATE :

DATUM

VERTICAL N/A

HORIZONTAL N/A

SCALE IN MILES



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR

APPROVED Mark D. Richter DATE 5-27-05

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED Ruth Standa DATE 5-16-05

PROJECT MANAGER :

PROJECT NAME : FAIRLEE-NEWBURY (READVERTISED)

PROJECT NUMBER : AC-IM 091-2(39)

SHEET 1 OF 25 SHEETS

INDEX OF SHEETS

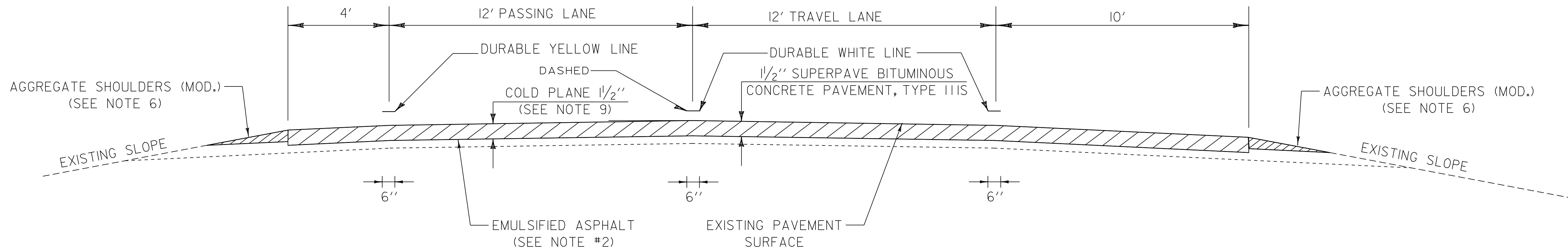
- 1. TITLE SHEET
- 2. INDEX OF SHEETS
- 3-7. TYPICAL SHEETS
- 8-9. QUANTITY SHEETS
- 10. ITEM DETAIL SHEET
- 11-13. PROJECT LAYOUT SHEETS
- 14-15. RAMP A DETAIL SHEETS
- 16. RAMP B DETAIL SHEET
- 17. REST AREA
- 18-19. MILLED RUMBLE STRIPS
- 20-21. SIGN SUMMARY SHEET
- 22-24. PAVEMENT MARKING DETAIL SHEETS
- 25. CONSTRUCTION APPROACH SIGNING

STANDARDS

D-3	TREATED GUTTERS	6/1/94
D-15	PRECAST REINF. CONC. MANHOLE GRATES (BICYCLE SAFE)	6/1/94
	CAST IRON GRATE WITH FRAME,TYPE D	
	CAST IRON GRATE WITH FRAME,TYPE E	
E-100	CONSTRUCTION APPROACH SIGNS	1/02/04
E-101	CONSTRUCTION SIGN DETAILS	5/30/03
E-102	CONSTRUCTION SIGN DETAILS	6/30/03
E-102A	CONSTRUCTION SIGN DETAILS	5/01/04
E-103	MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	3/01/04
E-105	TRAFFIC CONTROL FOR CONSTRUCTION VEHICLE U-TURNS ON DIVIDED HIGHWAY	5/01/04
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	3/01/04
E-107	DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY	6/30/03
E-107A	BREAKAWAY BARRICADE DETAILS	8/8/95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	8/18/95
E-120	STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY	8/8/95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	8/8/95
E-131	GUIDE SIGN DETAILS	8/8/95
E-142	REGULATORY SIGN DETAILS	9/20/95
E-143	REGULATORY SIGN DETAILS	6/15/04
E-146	REGULATORY SIGN DETAILS	9/20/95
E-150	WARNING SIGN DETAILS	5/01/04
E-160	FLANGED CHANNEL STEEL SIGN POST	5/20/99
E-164	SQUARE STEEL SIGN POST	5/20/99
E-197	DELINEATOR PLACEMENT	4/1/05
E-198	DELINEATORS AND MILEPOSTS	4/1/05
E-199	DELINATOR AND MILEPOST MOUNTING	4/1/05
ESFM	SNOW FENCE DETAILS	7/10/97
G-1	STEEL BEAM GUARDRAIL (50MPH & OVER) HEAVY DUTY STEEL BEAM GUARDRAIL TWISTED END TERMINAL	1/3/00
G-1D	ANCHOR FOR STEEL BEAM RAIL STEEL BEAM GUARDRAIL (40MPH & LESS) HEAVY DUTY STEEL BEAM GUARDRAIL STEEL BEAM MEDIAN BARRIER	1/3/00
	ANCHOR FOR STEEL BEAM RAIL	
G-6	CABLE GUARD RAIL W/STEEL POSTS - ANCHORS	6/1/94
G-6A	CABLE GUARD RAIL W/WOOD POSTS - ANCHORS	6/1/94
G-10	ANCHOR FOR CABLE GUARD RAIL AT OPENINGS	2/23/95
G-16	STEEL BEAM GUARDRAIL ATTACHMENTS TO EXISTING BRIDGE EXISTING BRIDGE	6/1/94
G-19	TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11/15/02

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn PLOT DATE: 12-MAR-2007 11:17
PROJECT LEADER: WOOLAVER DRAWN BY: JLR
DESIGNED BY: JLR CHECKED BY: JLR
pa028in.i SHEET 2 OF 25



MAINLINE TYPICAL SECTION

STA 4882+94.4 TO STA 5545+58.4

PROJECT PAVING LIMITS

INTERSTATE-91	BEGIN STATION	END STATION	LANE TYPICAL (FT.)	WEARING DEPTH (in.)	LEVELING DEPTH (in.)	TOTAL (+)	NOTES
	4882+94.4	5155+13	4-12-12-10	1.5	N/A	10056	COLD PLANE 1.5"--OVERLAY
	5155+13	5157+31	4-12-12-10	1.0	N/A	54	COLD PLANE 1" & OVERLAY--BR 58N
	5157+31	5167+80	4-12-12-10	1.5	N/A	388	COLD PLANE 1.5"--OVERLAY
	5167+80	5170+30	4-12-12-10	1.0	N/A	62	COLD PLANE 1" & OVERLAY--BR 59N
	5170+30	5173+07	4-12-12-10	1.5	N/A	102	COLD PLANE 1.5"--OVERLAY
	5173+07	5174+41	4-12-12-10	1.0	N/A	33	COLD PLANE 1" & OVERLAY--BR 60N
	5174+41	5197+58	4-12-12-10	1.5	N/A	856	COLD PLANE 1.5"--OVERLAY
	5197+58	5199+28	4-12-12-10	1.0	N/A	42	COLD PLANE 1" & OVERLAY--BR 61N
	5199+28	5465+19	4-12-12-10	1.5	N/A	9824	COLD PLANE 1.5"--OVERLAY
	5465+19	5466+23	4-12-12-10	1.0	N/A	26	COLD PLANE 1" & OVERLAY--BR 63N
	5466+23	5545+58.4	4-12-12-10	1.5	N/A	2932	COLD PLANE 1.5"--OVERLAY

NOTES:

- THE SINGLE PAVEMENT LIFT WEARING COURSE SHALL BE TYPE IIIS, ITEM 490.30, AS SHOWN ON THE TYPICALS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.015 GAL./S.Y. OR AS DIRECTED BY THE RESIDENT ENGINEER.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS EXCLUDING LEVEL COURSE).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO TYPICAL 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 SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING MTS FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CUBIC METERS OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARDRAIL TERMINAL.
- 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 402.12, AGGREGATE SHOULDERS (MOD). COLD PLANE GRINDINGS FROM THIS PROJECT ARE TO BE USED FOR THIS PURPOSE.
- ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.35, SUBBASE OF CRUSHED GRAVEL, ITEM 402.12, AGGREGATE SHOULDER MATERIAL (MOD.), AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
- ALL EXISTING OPEN GRADED FRICTION COURSE ENCOUNTERED ON THIS PROJECT IS TO BE REMOVED.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRD'SFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

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

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

FERTILIZER: 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: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

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

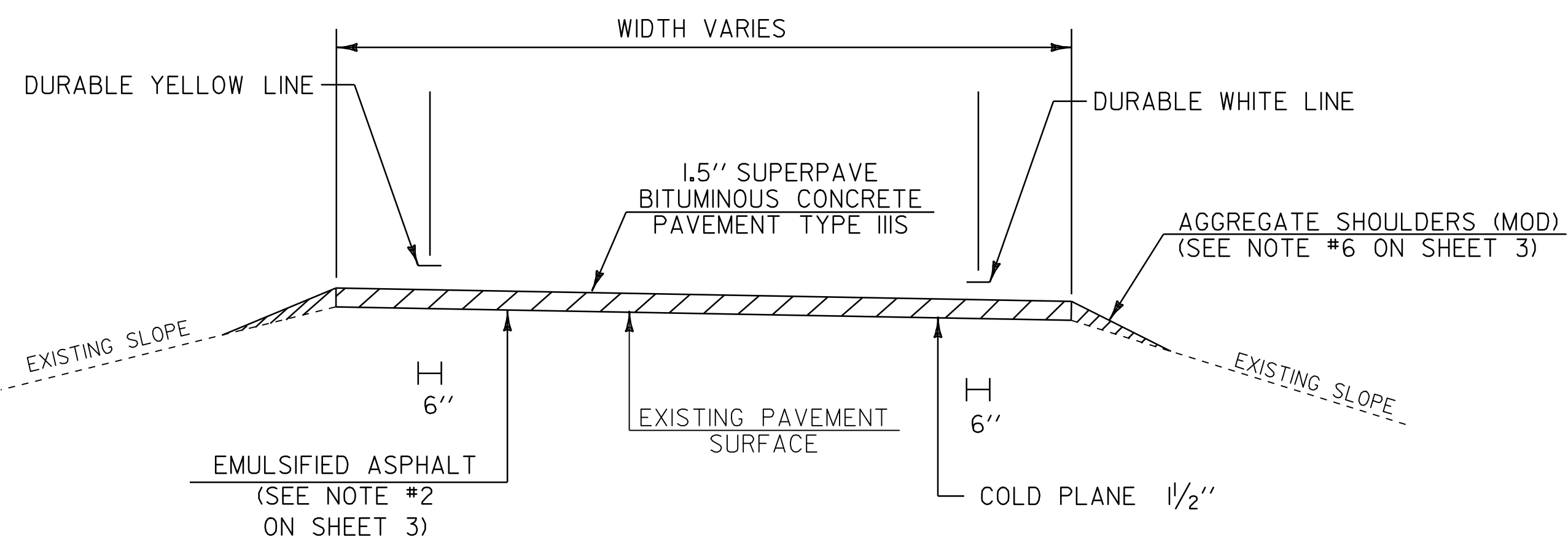
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

PROJECT TYPICAL SHEET 1

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: JLR
pa028+yl1

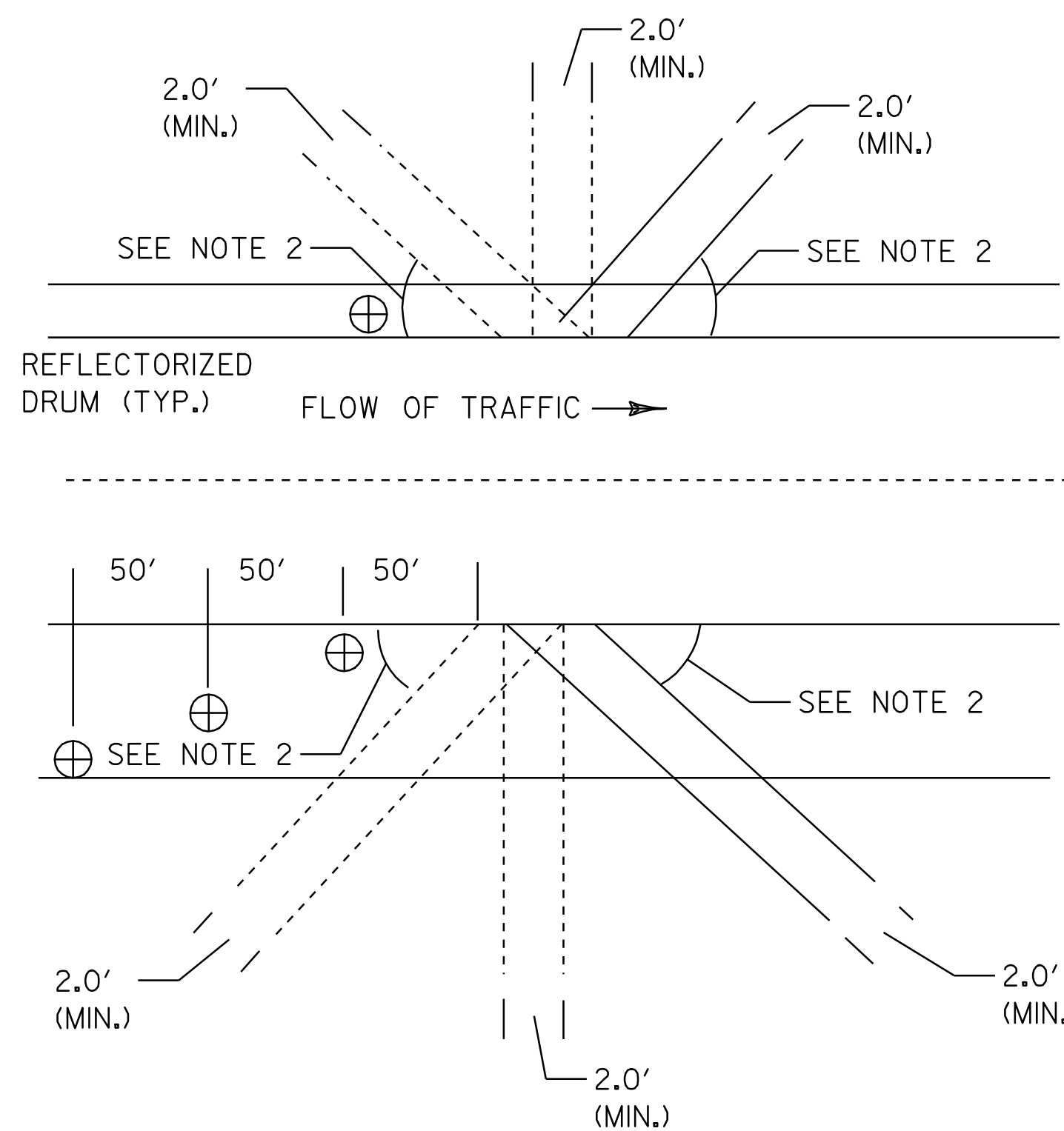
PLOT DATE: 12-MAR-2007 11:17
DRAWN BY: JLR
CHECKED BY: JLR
SHEET 3 OF 25



RAMP PAVEMENT TYPICAL

LOCATION

EXIT 16 OFF & ON RAMPS - SEE SHEETS 14-16 FOR ADDITIONAL DETAILS



BLEEDER DETAIL

NOT TO SCALE

NOTES:

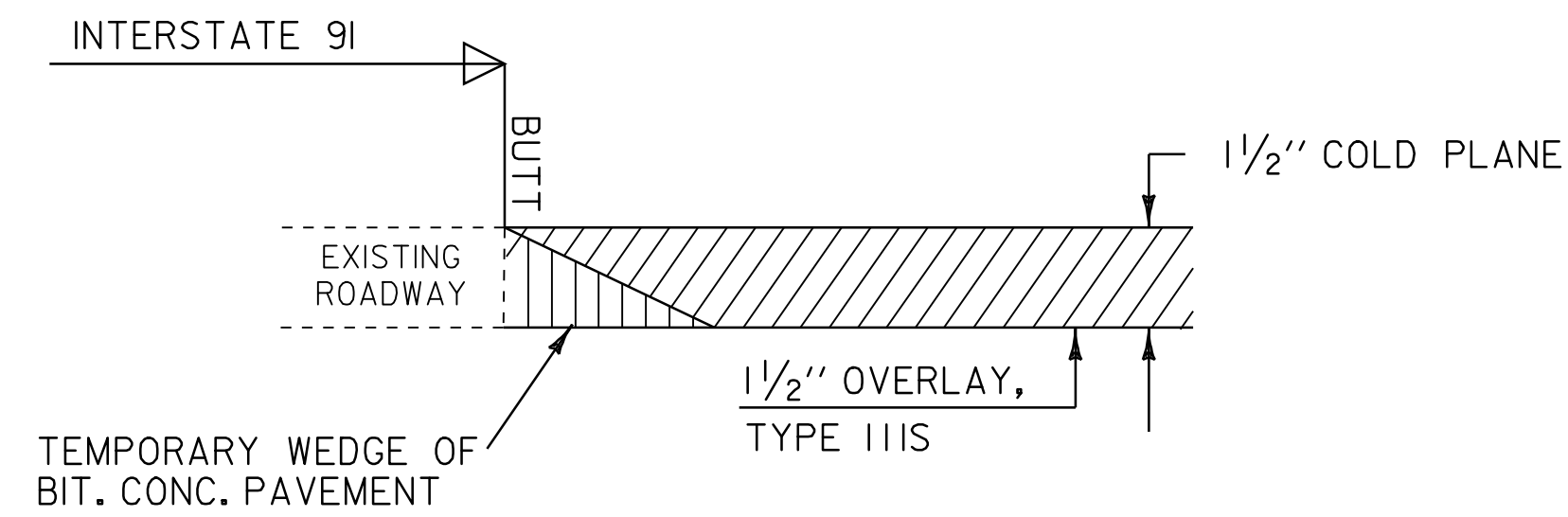
1. BLEEDERS ARE TO BE CUT WHILE COLD PLANING AT LOCATIONS SPECIFIED BY THE RESIDENT ENGINEER.
2. ANGLE BLEEDERS TO BEST ACCEPT WATER FLOW.
3. CUT ALL BLEEDERS TO THE DEPTH OF COLD PLANING AND GRADE TO DRAIN.
4. BLEEDERS ARE TO BE FILLED DURING PAVING WITH ITEM 490.30 OR AS DESIGNATED BY THE RESIDENT ENGINEER.
5. ⊕ REFLECTORIZED DRUMS MUST 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.

**PROJECT
TYPICAL
SHEET 2**

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: JLR
pa028ty2.i

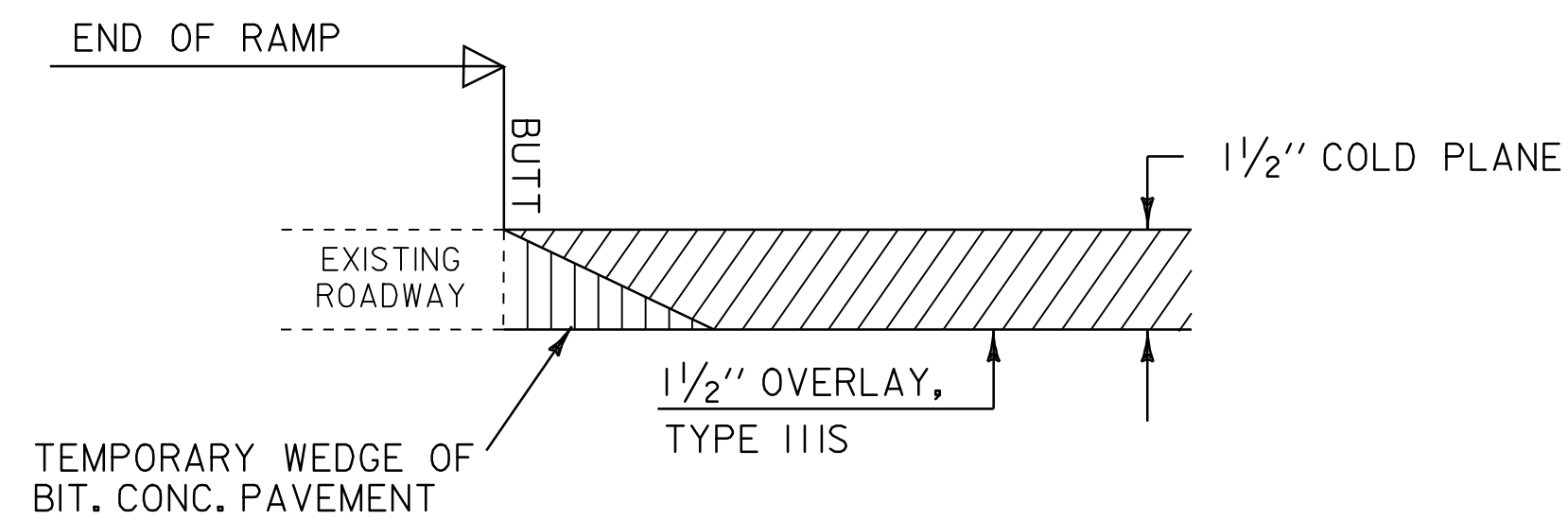
PLOT DATE: 12-MAR-2007 11:17
DRAWN BY: JLR
CHECKED BY: JLR
SHEET 4 OF 25



MAINLINE APPROACH AREA DETAIL

LOCATION

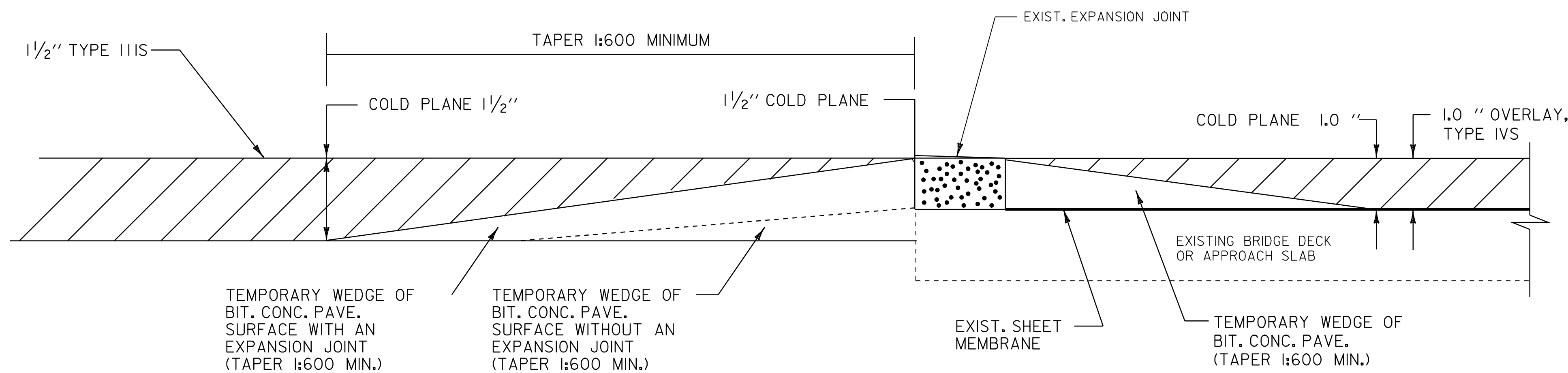
BEGINNING OF PROJECT - STA 4882+94.4 (MM 92.490)
 END OF PROJECT - STA 5545+58.4 (MM 105.03)



RAMP APPROACH AREA DETAIL

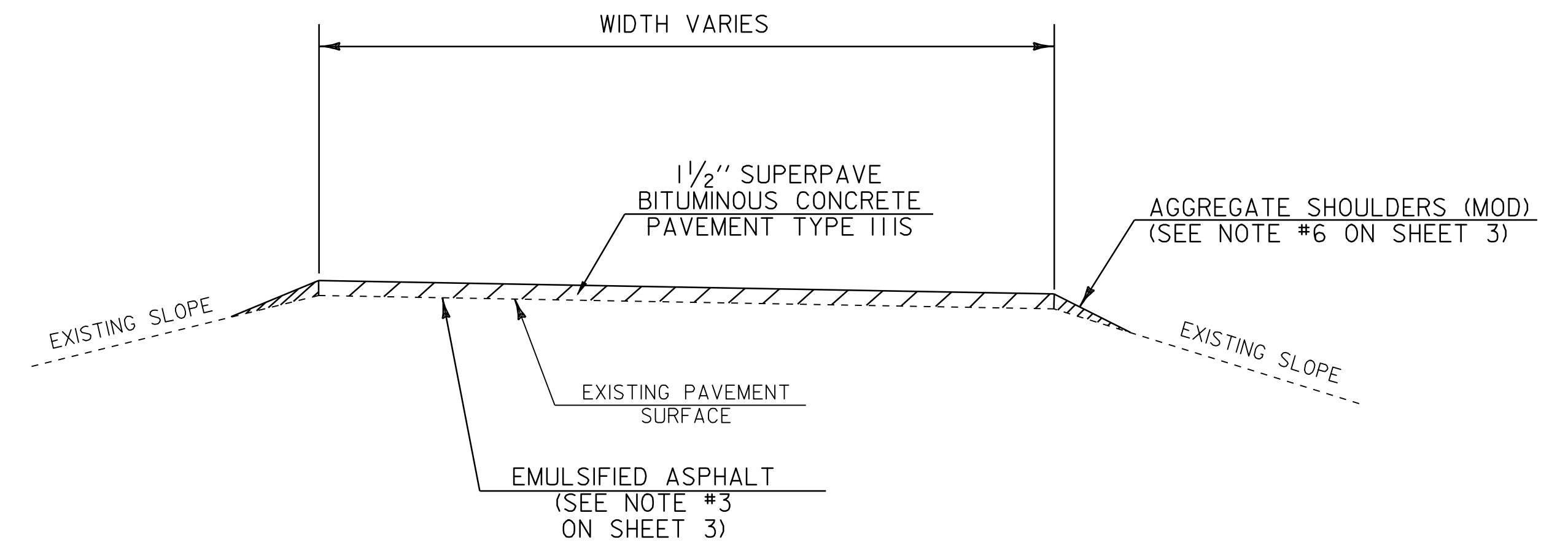
LOCATION

EXIT 16 - END OF ON & OFF RAMPS (@ PAVEMENT MATCH)



BRIDGE APPROACH DETAIL

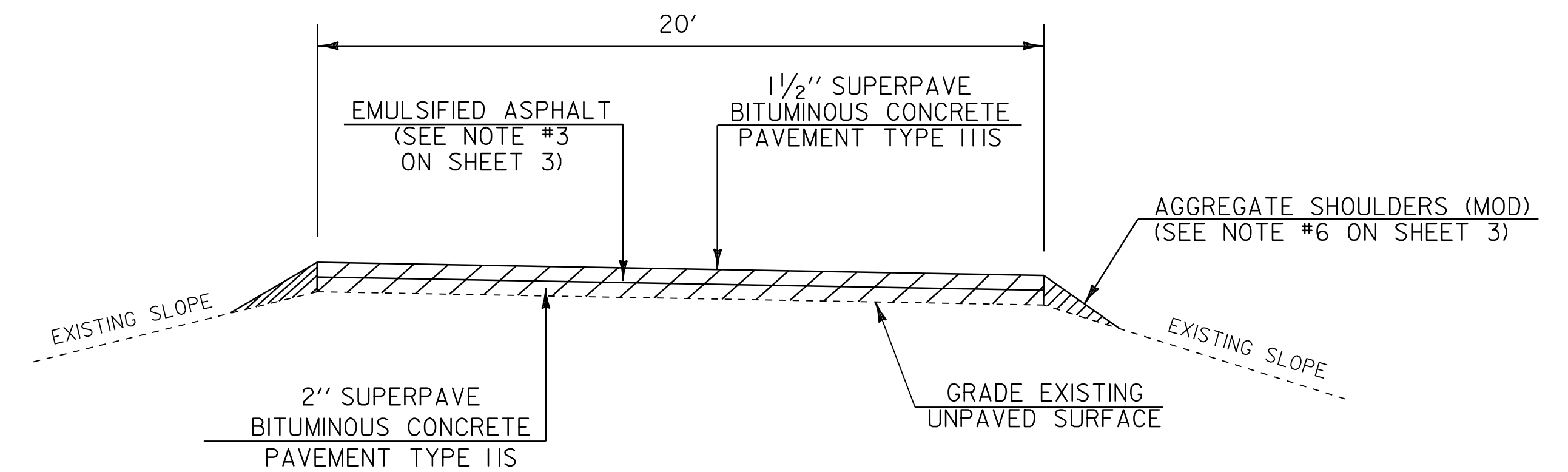
BR # 58-N	STA 5155+13	(MM 97.627)	STA 5157+31	(MM 97.676)
BR # 59-N	STA 5167+80	(MM 97.875)	STA 5170+30	(MM 97.922)
BR # 60-N	STA 5173+07	(MM 97.974)	STA 5174+41	(MM 98.000)
BR # 61-N	STA 5197+58	(MM 98.439)	STA 5199+28	(MM 98.471)
BR # 63-N	STA 5465+19	(MM 103.49)	STA 5466+23	(MM 103.53)



U-TURN TYPICAL

LOCATION

- STA 4935+22 (MM 93.47) 20' X 209'
- STA 5051+90 (MM 95.68) 35' X 210'
- STA 5052+43 (MM 95.69) 35' X 210'
- STA 5126+88 (MM 97.10) 20' X 156'
- STA 5201+87 (MM 98.52) 32' X 143'
- STA 5303+76 (MM 100.45) 33' X 143'
- STA 5437+34 (MM 102.98) 22' X 186'
- STA 5492+26 (MM 104.02) 22' X 286'



U-TURN TYPICAL

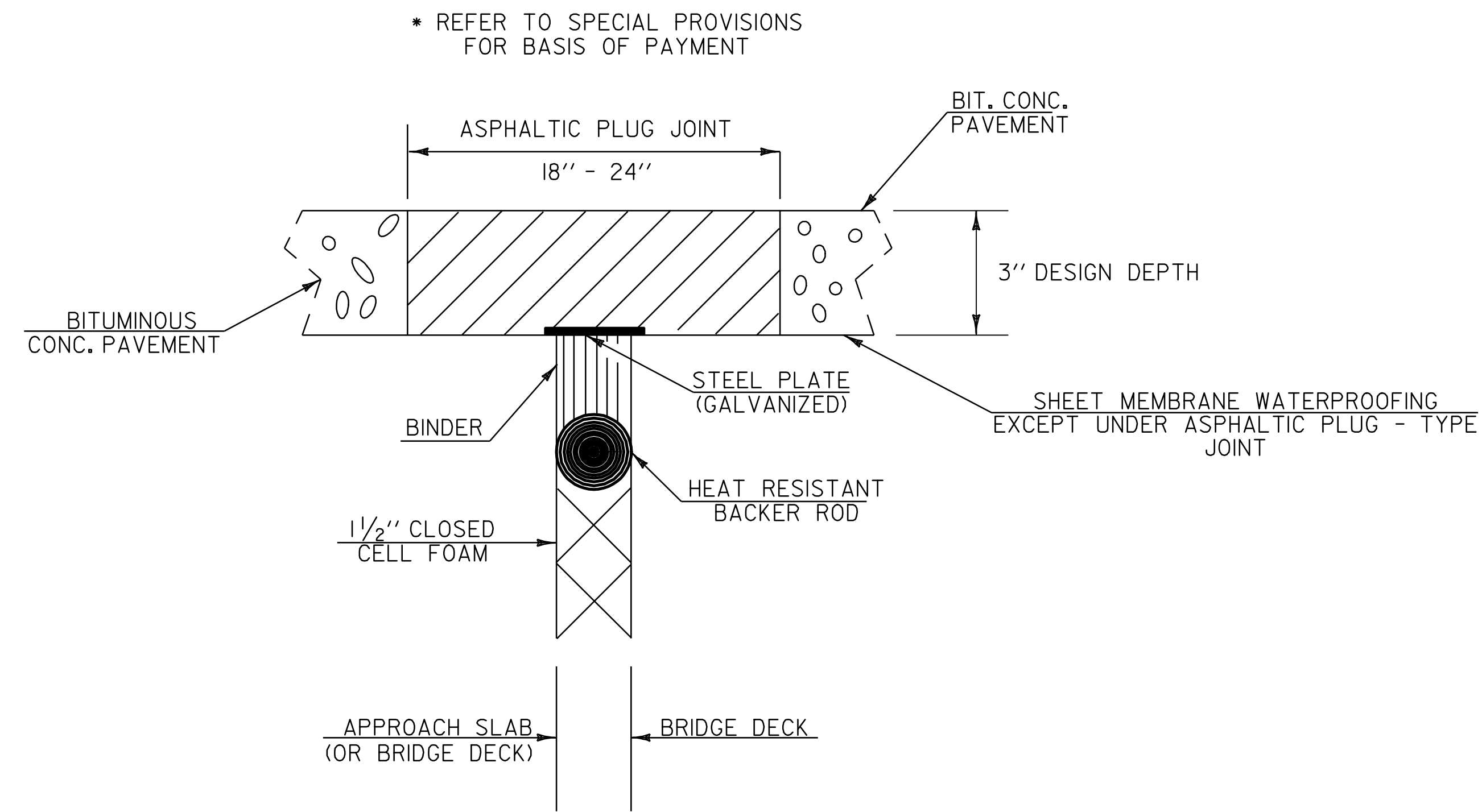
LOCATION
 STA 5126+88 LT

**PROJECT
 TYPICAL
 SHEET 3**

PROJECT NAME: FAIRLEE-NEWBURY
 PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn
 PROJECT LEADER: WOOLAVER
 DESIGNED BY: JLR
 pa028+ty3.1

PLOT DATE: 12-MAR-2007 11:17
 DRAWN BY: JLR
 CHECKED BY: JLR
 SHEET 5 OF 25

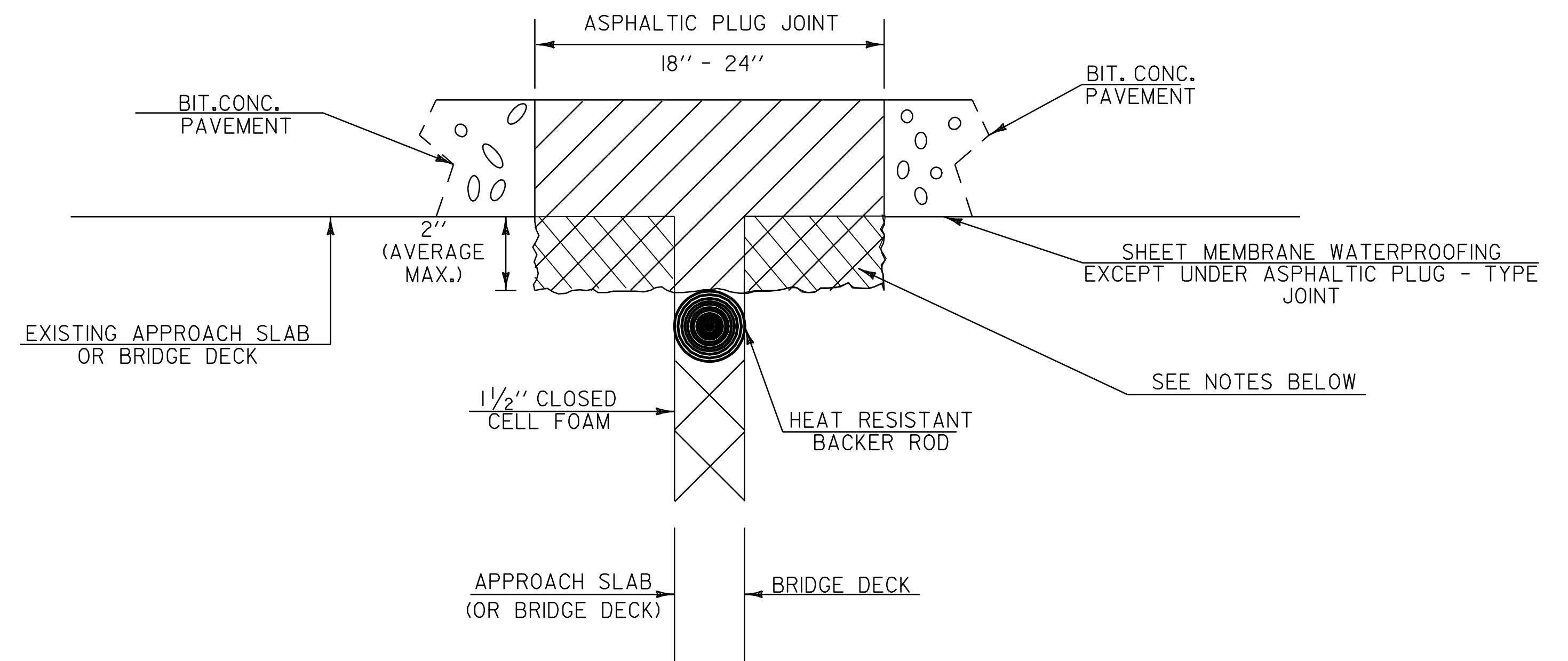


ASPHALTIC PLUG-TYPE JOINT DETAIL

LOCATION

BRIDGE #	58-N	@ STA	5157+31	(MM	97.627)	(	38 FT.	EXP.	JOINT)
BRIDGE #	59-N	@ STA	5167+80	(MM	97.875)	(	39 FT.	EXP.	JOINT)
BRIDGE #	59-N	@ STA	5170+30	(MM	97.922)	(	39 FT.	EXP.	JOINT)
BRIDGE #	60-N	@ STA	5173+07	(MM	97.975)	(	42 FT.	EXP.	JOINT)
BRIDGE #	61-N	@ STA	5197+58	(MM	98.439)	(	40 FT.	EXP.	JOINT)
BRIDGE #	61-N	@ STA	5199+28	(MM	98.471)	(	40 FT.	EXP.	JOINT)
BRIDGE #	63-N	@ STA	5456+19	(MM	103.51)	(	45 FT.	EXP.	JOINT)
BRIDGE #	63-N	@ STA	5466+23	(MM	103.53)	(	45 FT.	EXP.	JOINT)

NOTE: REFER TO NOTE UNDER DETAIL AT RIGHT.



ASPHALTIC PLUG-TYPE JOINT DETAIL REMOVAL OF UP TO 2" DETERIORATED CONCRETE

NOTES:

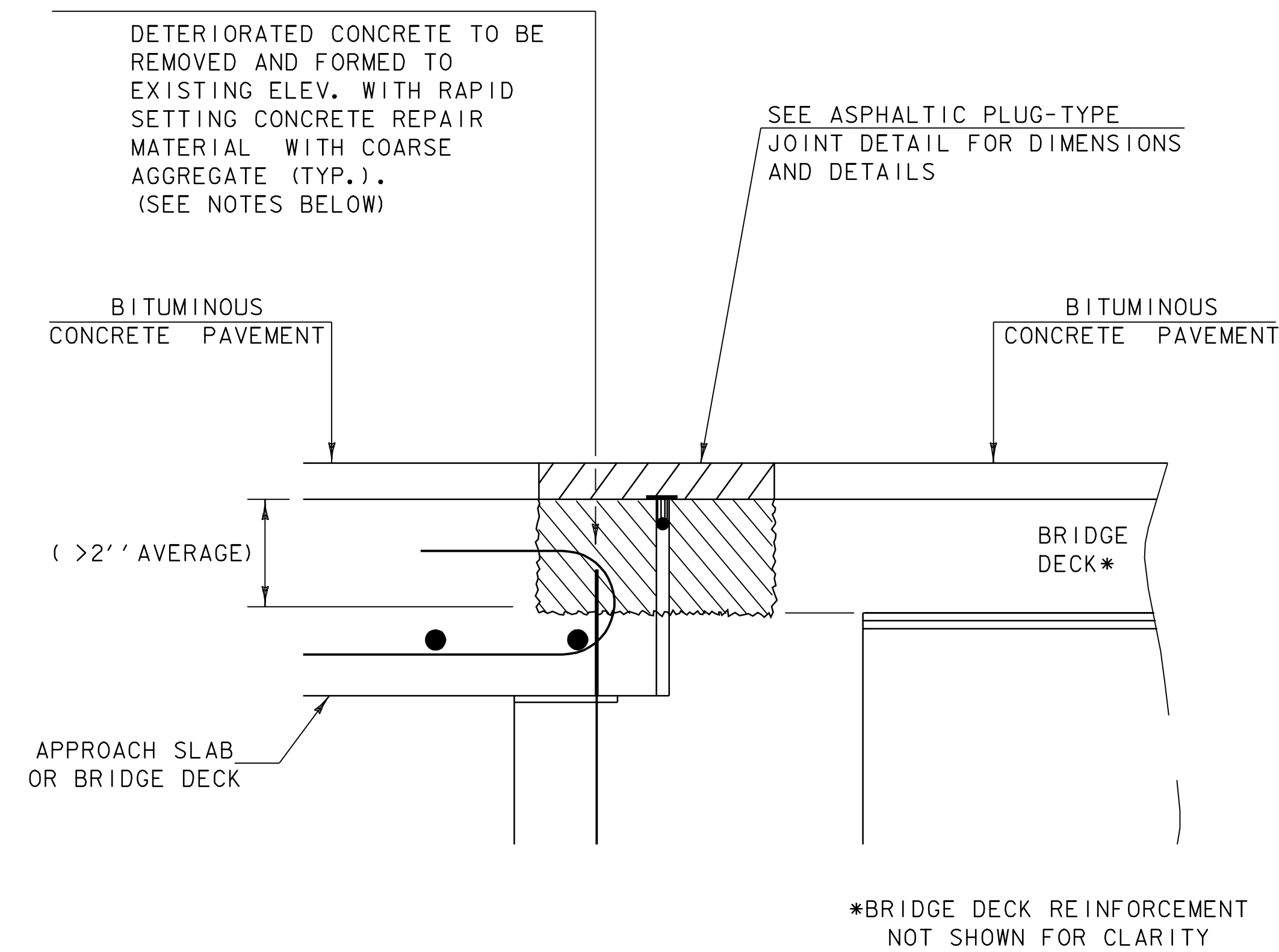
- UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
- REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL 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.
- THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED AS SHOWN IN THE DETAIL ABOVE IF DIRECTED BY THE RESIDENT ENGINEER.

**PROJECT
TYPICAL
SHEET 4**

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: JLR
pa028+4.1

PLOT DATE: 12-MAR-2007 11:17
DRAWN BY: JLR
CHECKED BY: JLR
SHEET 6 OF 25



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

NOTES:

1. 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.
2. 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".
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.

**PROJECT
TYPICAL
SHEET 5**

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: JLR
pa028ty5

PLOT DATE: 12-MAR-2007 11:18
DRAWN BY: JLR
CHECKED BY: JLR
SHEET 7 OF 25

QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				
						ROADWAY	TRAINING	EROSION CONTROL	BRIDGE	FULL C. E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
						50					50		CY	EARTH BORROW	203.30	EST.
						7650					7650		LF	SHOULDER BERM REMOVAL	203.99	17
						1					1		CY	TRENCH EXCAVATION OF EARTH (NABI)	204.20	EST.
						295000					295000		SY	COLD PLANING-BIT.PAVEMENT	210.10	386
						132100					132100		LF	MILLED RUMBLE STRIPS	213.10	70
						2750					2750		TON	AGGREGATE SHOULDERS (MOD.)	402.12	28
						550					550		CWT	EMULSIFIED ASPHALT	404.65	32
						1					1		LU	PRICE ADJUSTMENT ASPHALT CEMENT	406.50	-
						26000					26000		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)	490.30	77
									350		350		LF	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG)	516.10	22
									100		100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL W/COARSE AGGREGATE	580.20	EST.
						1					1		EACH	CHANGING ELEV. OF DROP INLETS, CATCH BASINS OR MANHOLES	604.40	EST.
						51					51		EACH	REHABING DICB OR MH CLASS I	604.412	-
						30					30		HR	POWER GRADER RENTAL	608.15	EST.
						48					48		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
						135					135		HR	POWER BROOM RENTAL	608.30	EST.
						160					160		HR	POWER BROOM RENTAL,TYPE II	608.31	EST.
						100					100		HR	TRUCK RENTAL	608.37	EST.
						50					50		HR	LOADER RENTAL, TYPE I	608.40	EST.
						100					100		HR	LOADER RENTAL, TYPE II (MOD.)	608.41	EST.
						10000					10000		LF	TREATED TIMBER CURB	616.35	36
						10					10		TON	BITUMNOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	EST.
						800					800		LF	SNOW BARRIER - GALVANIZED	620.75	50
						18100					18100		LF	STEEL BEAM GUARD RAIL (GALVANIZED)	621.20	13
						100					100		LF	STEEL BEAM GUARD RAIL (GALVANIZED)(MOD. - 8 FT POSTS)	621.20	EST.
						19					19		EACH	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	-
						1					1		EACH	MANUFACTURED TERMINAL SECTION (TANGENT)	621.505	EST.
						6					6		EACH	TRAILING END TERMINAL	621.52	-
						400					400		EACH	ANCHOR FOR CABLE RAIL (MOD.)	621.65	-
						100					100		LF	REMOVING AND RESET GUARD RAIL	621.75	EST.
						10					10		EACH	REPLACE GUARD RAIL POST ASSEMBLY	621.76	EST.
						20					20		EACH	REPLACE GUARD RAIL BEAM UNIT	621.77	EST.
						2500					2500		LF	ADJUST HEIGHT OF GUARD RAIL	621.79	EST.
						17600					17600		LF	REMOVL AND DISP OF GUARD RAIL	621.80	26
						1100					1100		HR	UNIFORMED TRAFFIC OFFICERS	630.10	37
						1600					1600		HR	FLAGGERS	630.15	37
										1	1		LS	FIELD OFFICE-ENGINEERS	631.10	-
										1	1		LS	TESTING EQUIPMENT - BITUMNOUS	631.17	-
										1	1		LU	FIELD OFFICE - TELEPHONE (N.A.B.I.)	631.25	-
											1040		HR	EMPLOYEE TRAINEESHIP	634.10	-

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)
24158	TON	H91 MAINLINE TYPE IIIS
714	TON	RAMPS-TYPE IIIS
348	TON	REST AREA-TYPE IIIS
446	TON	U-TURNS-TYPE IIIS
40	TON	U-TURN-TYPE IS
217	TON	BRIDGES-TYPE I/S
25923	TON	SUBTOTAL
77	TON	ROUNDING
26000	TON	TOTAL
		COLD PLANING BITUMINOUS CONCRETE
279110	S.Y.	MAINLINE
6893	S.Y.	RAMPS
3973	S.Y.	REST AREA
4638	S.Y.	U-TURNS
294614	S.Y.	SUBTOTAL
386	S.Y.	ROUNDING
295000	S.Y.	TOTAL
		AGGREGATE SHOULDERS (MOD.)
2414	TON	MAINLINE
90	TON	RAMPS
35	TON	REST AREA
120	TON	GUARDRAIL TERMINII
63	TON	U-TURNS
2722	TON	SUBTOTAL
28	TON	ROUNDING
2750	TON	TOTAL

QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES

TOTALS

DESCRIPTIONS

DETAILED SUMMARY OF QUANTITIES

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
						ROADWAY	TRAINING	EROSION CONTROL	BRIDGE	FULL C. E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
						1					1		LS	MOBILIZATION / DEMOBILIZATION	635.11	-			
						1					1		LS	TRAFFIC CONTROL	641.10	-			
						3					3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
						724					724		LF	DURABLE 4" WHITE LINE (MOD.)	646.40	3			
						86000					86000		LF	DURABLE 6" WHITE LINE (MOD.)	646.414	101			
						69100					69100		LF	DURABLE 6" YELLOW LINE (MOD.)	646.415	44			
						700					700		LF	DURABLE 12" WHITE LINE (MOD.)	646.44	5			
						30					30		LF	DURABLE 24" STOP BAR (MOD.)	646.46	-			
						51					51		EACH	DURABLE LETTER OR SYMBOL (MOD.)	646.50	-			
						260					260		LF	TEMPORARY 4" WHITE LINE (PAINT)	646.60	3			
						86000					86000		LF	TEMPORARY 6" WHITE LINE (PAINT)	646.614	101			
						69100					69100		LF	TEMPORARY 6" YELLOW LINE (PAINT)	646.615	44			
						700					700		LF	TEMPORARY 12" WHITE LINE (PAINT)	646.64	5			
						30					30		LF	TEMPORARY 24" STOP BAR (PAINT)	646.66	-			
						51					51		EACH	TEMPORARY LETTERS OR SYMBOLS (PAINT)	646.70	-			
						5100					5100		EACH	LINE STRIPING TARGETS	646.76	64			
								50			50		LB	SEED	651.15	EST.			
								250			250		LB	FERTILIZER	651.18	EST.			
								1			1		TON	AGRICULTURAL LIMESTONE	651.20	EST.			
								1			1		TON	HAY MULCH	651.25	EST.			
								20			20		CY	TOPSOIL	651.35	EST.			
								500			500		SY	EROSION MATTING	654.10	EST.			
						80					80		SF	TRAFFIC SIGNS, TYPE A	675.20	1			
						370					370		LF	FLANGED CHANNEL SIGN POST (BEGIN OPTION ITEMS)	675.301	4			
						370					370		LF	SQUARE TUBE SIGN POSTS AND ANCHOR (END OPTION ITEMS)	675.341	4			
						23					23		EACH	REMOVING SIGNS	675.50	-			
						510					510		EACH	DELINEATORS W/STEEL POSTS TYPE I	676.10	8			
						6					6		EACH	DELINEATORS W/STEEL POSTS TYPE II	676.10	EST.			
						10					10		EACH	DELINEATORS W/STEEL POSTS TYPE III	676.10	EST.			
						1					1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I)	690.50	-			
											500		CY	STONE FILL, TYPE I (CO#1)	900.508				
											1500		SY	GEOTEXTILE UNDER STONE FILL (CO#1)	900.575				
											1500		SY	GEOTEXTILE UNDER STONE FILL (CO#1)					
											230		EA	ERECTING SALVAGED SIGNS (CO#3)	900.520				
											230		EA						

LOCATION			MISCELLANEOUS ITEMS				DROP INLETS		GUARDRAIL ITEMS												STATE OF VERMONT AGENCY OF TRANSPORTATION			REMARKS	
STATION	STATION	POS	203.15	203.16	301.35	604.40	604.412	608.41	616.35	620.75	621.20	621.20	621.505	621.52	621.60	621.65	621.70	621.75	621.79	621.80	676.10				
			COMM. EXCAV.	SOLID ROCK EXCAV.	SUBBASE OF DENSE CR.STONE	CHANGE ELEV. D.I.	REHAB. D.I. CLASS I	LOADER RENTAL TYPE II (MOD.)	TIMBER CURB	SNOW BARRIER (GALV.)	STEEL BEAM G.R.	S.B.G.R. (8' POST) (MOD)	M.T.S.	M.T.S. (TRAILING END TERMINAL)	ANCHOR FOR G.R.	ANCHOR CABLE GUARDRAIL (MOD.)	GUARDRAIL APPR. SECT. TYPE I	REMOVE & RESET G.R.	ADJUST HEIGHT G.RAIL	REMOVE & DISP. G.R.	DELINEATOR W/STEEL POSTS TYPE I	DELINEATOR W/STEEL POSTS TYPE II	DELINEATOR W/STEEL POSTS TYPE III		
			CY	CY		EA	EA	HR	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
4882+94.4	5545+58.4	RT				1	51																	FOR LOCATIONS SEE LAYOUT SHEETS. ESTIMATED QUANTITY--TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.	
4876+71	4914+34 4907+85	RT							307		2050		|	|						2086	|			MTS FLARED @ 4876+71 ~ 4877+08; CONNECT NEW SBGR TO CABLE RAIL @ 4897+57; REPAIR EXISTING CABLE RAIL. TTC 4907+46~4910+53 TET @ 4907+85 REMOVED EXISTING CABLE NEW SBGR ENTIRE RUN	
4939+08	4964+95	LT							417		2550		|	| ✓						2605	|			MTS FLARED 4939+08 ~ 4939+45; T-E-T @ 4964+95; TTC @ 4946+18 ~ 4950+35	
4940+35	4967+12	RT							2182		2625		|	| ✓						2677	|			MTS FLARED 4940+35 ~ 4940+72; T-E-T @ 4967+00; TTC @ 4945+30 ~ 4967+12	
4974+32	4984+50	RT							827		962.5		|	| ✗						1018	|			MTS FLARED @ 4974+32 ~ 4974+69; T-E-T @ 4984+38; TTC @ 4976+23 ~ 4984+50 REPAIRED EXISTING RUN OF SBGR	
4975+44	5010+84	LT											|								|			MTS FLARED @ 4975+44 ~ 4975+81; RETAIN RAIL--REPLACE POSTS AND PANELS AS NEEDED.	
5024+38	5033+55	LT																						REPAIR EXISTING CABLE RAIL	
5065+97	5097+63	RT							1610		1437.5		|							1478	|			MTS FLARED @ 5065+97 ~ 5066+34; CONNECT NEW SBGR TO CABLE RAIL @ 5080+75; REPAIR EXISTING CABLE RAIL TTC @ 5066+45 ~ 5082+55	
5069+59	5075+98	LT											|	|										REPAIR EXISTING CABLE RAIL NEW SBGR, MTS @ 5069+59, TET @ 5076+21	
5110+45	5123+74	LT																						REPAIR EXISTING CABLE RAIL	
5112+48	5124+07	RT																						REPAIR EXISTING CABLE RAIL	
5129+97	5138+35	RT									787.5		|	| ✓						838	|			MTS FLARED @ 5129+97 ~ 5130+34; T-E-T @ 5138+23 ~ 5138+35	
5149+07	5154+69	RT							460	100	525		|							562	|			MTS FLARED @ 5149+07 ~ 5149+44; CONNECT NEW SBGR TO 3 RAIL ALUM. APPR. RAIL @ 5154+69 (BR 58N) TTC 5150+09 ~ 5154+69	
5150+44	5154+06	LT									100	325		|						112	|			MTS FLARED @ 5150+44 ~ 5150+81; CONNECT NEW SBGR TO NEW 3 RAIL ALUM. APPR. RAIL @ 5154+06--(BR 58N)	
5158+57	5162+32	LT									337.5		|							212	|			CONNECT NEW SBGR TO EXIST 3 RAIL ALUM. APPR. RAIL @ 5158+57--(BR 58S); MTS FLARED 5161+95 ~ 5162+32	
5163+18	5166+93	LT									337.5		|							148	|			MTS FLARED @ 5163+18 ~ 5163+55; CONNECT NEW SBGR TO EXISTING 2 RAIL ALUM. APPR. @ 5166+93--(BR 59N)	
5164+18	5167+32	RT									275		|							187	|			MTS FLARED @ 5164+18 ~ 5164+55; CONNECT NEW SBGR TO EXISTING 2 RAIL ALUM. APPR. @ 5167+30--(BR 59N)	
5173+07	5179+85	LT&RT								160	375		|							125	|			BR 60-N CONNECT NEW SBGR TO EXISTING 2 RAIL ALUM. APPR. @ 5175+73; MTS FLARED @ 5179+48 ~ 5179+85--(BR 60S)	
5193+30	5196+19	RT									60	250		|						289	|			MTS FLARED @ 5193+30 ~ 5193+67; CONNECT NEW SBGR TO EXISTING 2 RAIL ALUM. APPR. @ 5196+19--(BR 61N)	
5192+96	5196+33	LT									55	300		|						125	|			MTS FLARED @ 5192+96 ~ 5193+33; CONNECT NEW SBGR TO EXISTING 2 RAIL ALUM. APPR. @ 5196+33--(BR 61N)	
5214+22	5224+22	RT																						REPAIR EXISTING CABLE RAIL	
5231+18	5256+55	RT							2200		2500		|	| ✓						2537	|			MTS FLARED @ 5231+18 ~ 5231+55; T-E-T @ 5256+43; TTC @ 5233+50 ~ 5255+50	
5288+24	5291+86	RT																						REPAIR EXISTING CABLE RAIL	
5296+38	5298+13	RT																						REPAIR EXISTING CABLE RAIL	
5314+24	5342+82	LT&RT									155													BR 62--TH 3 OVER I-91	
5336+57	5342+82	RT							497		575		|	| ✓						625	|			MTS FLARED @ 5336+57 ~ 5336+94; T-E-T @ 5342+70; TTC 5337+35 ~ 5342+32	
5349+53	5353+36	RT																						REPAIR EXISTING CABLE RAIL	
5452+88	5464+63	RT							917		1137.5		|							1175	|			MTS FLARED @ 5452+88 ~ 5453+25; CONNECT NEW SBGR TO EXIST 2 RAIL ALUM. APPR. @ 5464+63--(BR 63N) TTC 5455+46 ~ 5464+63	
5457+19	5464+94	LT							547		737.5		|							775	|			MTS FLARED @ 5457+19 ~ 5457+26; CONNECT NEW SBGR TO EXISTING 2 RAIL ALUM. APPR. @ 5464+94 TTC 5459+65 ~ 5465+12	
5465+19		LT&RT									120													BR 63-N	
4882+94.4	5545+58.4							100								400				2500		503	8	10	ESTIMATED QUANTITY--TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
SHEET TOTALS						1	51	100	9964	750	18087.5		20	7		400				2500	17574	522	8	10	
ROUNDING						-	-	-	36	50	12.5		-	-		-				-	26	8	-	-	
PROJECT TOTALS						1	51	100	10000	800	18100.0		20	7		400				2500	17600	530	8	10	

ITEM DETAIL SHEET	PROJECT NAME: FAIRLEE-NEWBURY	PLOT DATE: 12-MAR-2007 11:18
	PROJECT NUMBER: AC IM 091-2(39)	DRAWN BY: JLR
	FILE NAME: /pave/03a028/pa0281dl1	CHECKED BY: JLR
	DESIGNED BY: JLR	SHEET 10 OF 25

TEMPORARY AND DURABLE 6'' YELLOW LINE
 STA 5174+40 ~ 5438+40 LT--SOLID

TEMPORARY AND DURABLE 6'' WHITE LINE
 STA 5174+40 ~ 5438+40 RT--SOLID
 STA 5174+40 ~ 5438+40 RT--DASHED

ITEM 621.505 FLEET 350
MANUFACTURED TERMINAL SECTION (FLARED)
 SB STA 5179+48 ~ 5179+85 RT INST. 8/5/05
 STA 5193+30 ~ 5193+67 RT ✓
 STA 5192+96 ~ 5193+33 LT ✓
 STA 5231+18 ~ 5231+55 RT ✓
 STA 5336+57 ~ 5336+94 RT ✓

ITEM 616.35
TREATED TIMBER CURB
 STA 5233+50 ~ 5255+50 RT
 STA 5337+35 ~ 5342+32 RT

ITEM 616.47
BITUMINOUS CONCRETE GUTTERS
AND TRAFFIC ISLANDS

ITEM 621.52
M. T. S. (TRAILING END TERMINAL)
 STA 5256+43 RT
 STA 5342+70 RT

ITEM 621.81
REMOVAL & DISP. OF GUARDRAIL
 STA 5193+30 ~ 5196+19 RT ✓
 STA 5195+12 ~ 5196+33 LT ✓
 STA 5231+18 ~ 5256+55 RT ✓
 STA 5336+57 ~ 5342+82 RT ✓
 SB STA 5175+73 ~ 5176+98 LT ✓ 8/4/05

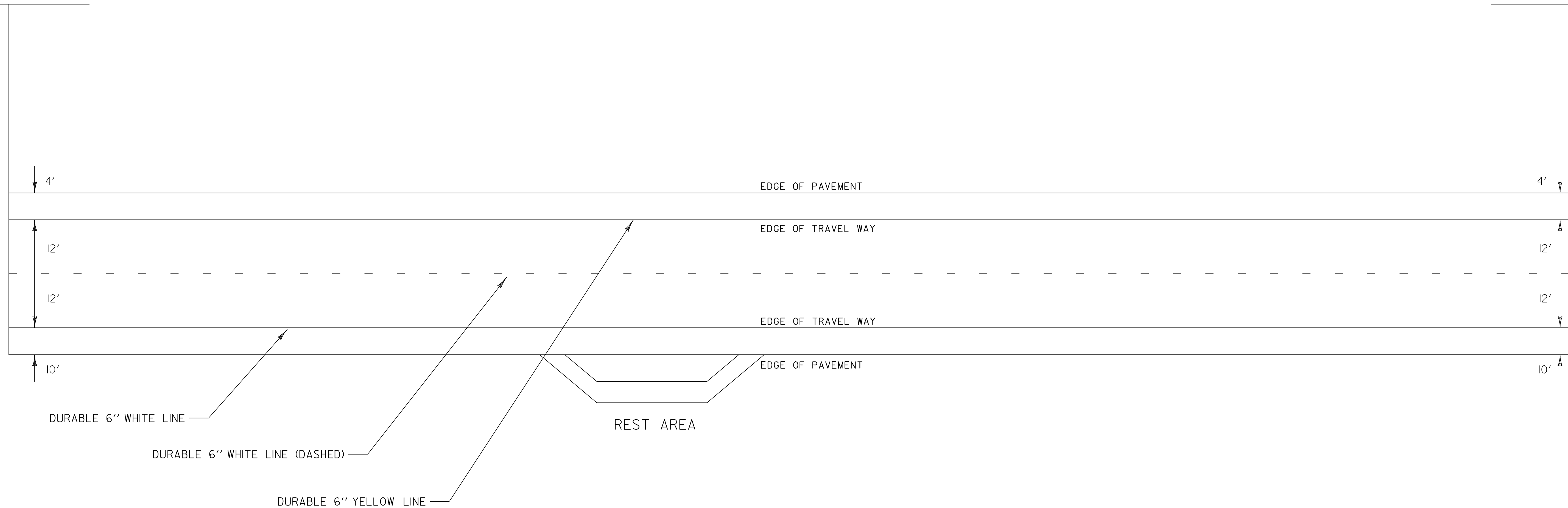
ITEM 621.20
STEEL BEAM GUARDRAIL
 SB STA 5175+73 ~ 5179+48 RT ✓ 8/4/05
 STA 5193+67 ~ 5196+19 RT ✓
 STA 5193+33 ~ 5196+33 LT ✓
 STA 5231+55 ~ 5256+43 RT ✓
 STA 5336+94 ~ 5342+70 RT ✓

CHANGING ELEV. OF DI, CB, MH
REHABILITATION OF DI CB OR MH CLASS I

STA 5175+05 RT 9/01
 STA 5236+84 RT 9/01
 STA 5238+62 RT 9/06
 STA 5240+92 RT 9/06
 STA 5243+88 RT 9/06
 STA 5246+90 RT 9/06
 STA 5249+36 RT 9/08
 STA 5340+35 RT 9/09
 STA 5342+32 RT 9/09

STA. 5174+40
 (MM 98.00)

STA. 5438+40
 (MM 103.00)



NOTE: ALL DIMENSIONS IN FEET EXCEPT AS INDICATED

DATUM
 VERTICAL _____
 HORIZONTAL _____

NOT TO SCALE

**PAVING
 PROJECT
 LAYOUT #2**

PROJECT NAME: FAIRLEE-NEWBURY
 PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn PLOT DATE: 12-MAR-2007 11:18
 PROJECT LEADER: WOOLAVER DRAWN BY: JLR
 DESIGNED BY: JLR CHECKED BY: JLR
 pa028i02.i SHEET 12 OF 25

TEMPORARY AND DURABLE 6" YELLOW LINE
 STA 5438+40 ~ 5545+58.4 LT--SOLID

ITEM 621.505 FLEET 350
MANUFACTURED TERMINAL SECTION (FLARED)
 STA 5452+88 ~ 5453+25 RT ✓
 STA 5457+19 ~ 5457+26 LT ✓

ITEM 621.81
REMOVAL & DISP. OF GUARDRAIL
 STA 5452+88 ~ 5464+63 RT ✓
 STA 5457+19 ~ 5464+94 LT ✓

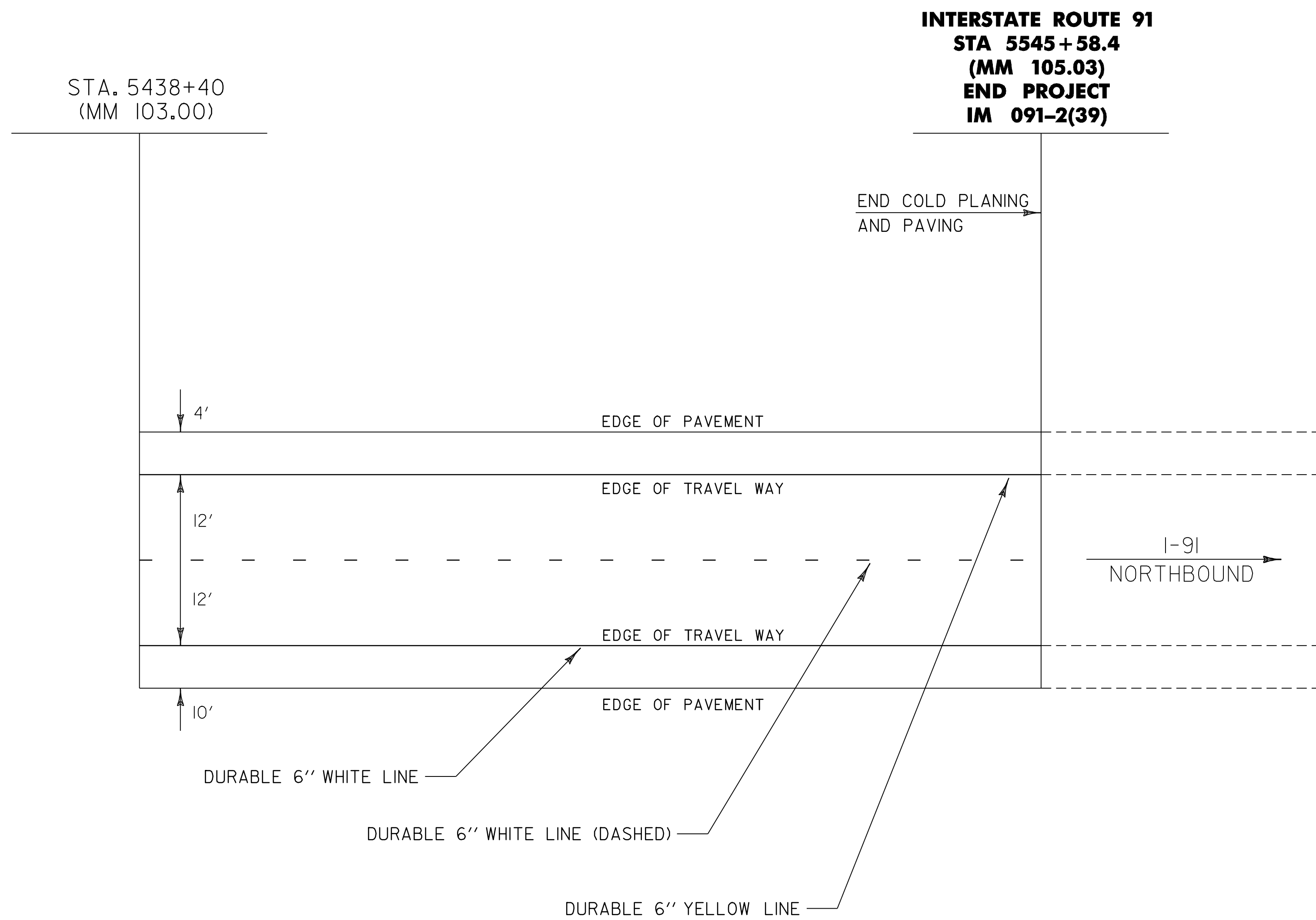
ITEM 621.20
STEEL BEAM GUARDRAIL
 STA 5453+25 ~ 5464+63 RT ✓
 STA 5457+26 ~ 5464+94 LT ✓

CHANGING ELEV. OF DI, CB, MH
REHABILITATION OF DICB OR MH CLASS I

STA 5457+02 RT
 9/07 STA 5460+63 LT & RT 9/08
 9/12 STA 5463+61 LT & RT 9/08

TEMPORARY AND DURABLE 6" WHITE LINE
 STA 5438+40 ~ 5545+58.4 RT--SOLID
 STA 5438+40 ~ 5545+58.4 RT--DASHED

ITEM 616.35
TREATED TIMBER CURB
 STA 5455+46 ~ 5464+63 RT ✓
 STA 5459+65 ~ 5465+12 LT ✓

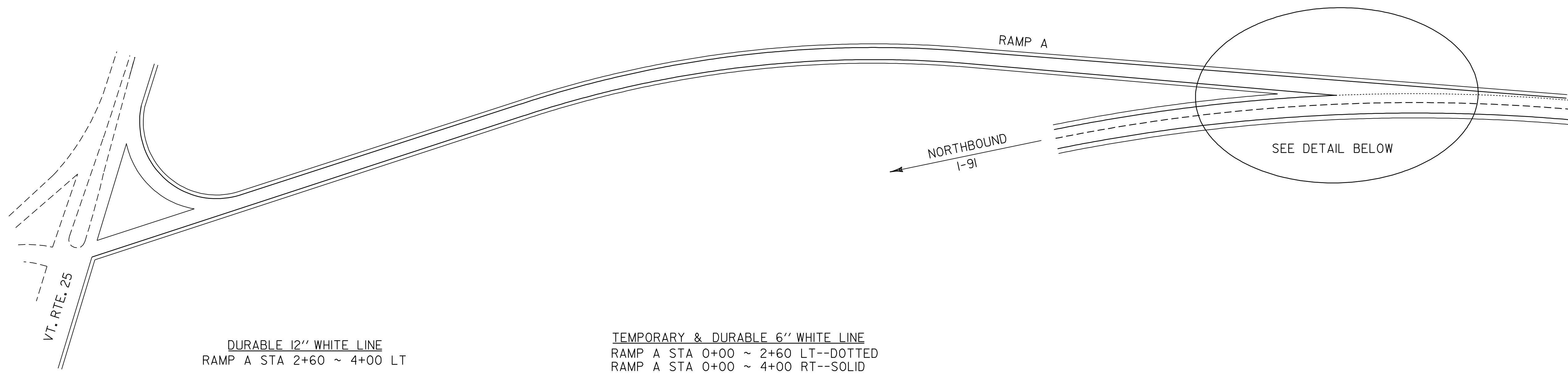


NOTE: ALL DIMENSIONS IN FEET EXCEPT AS INDICATED

DATUM
 VERTICAL _____
 HORIZONTAL _____

NOT TO SCALE

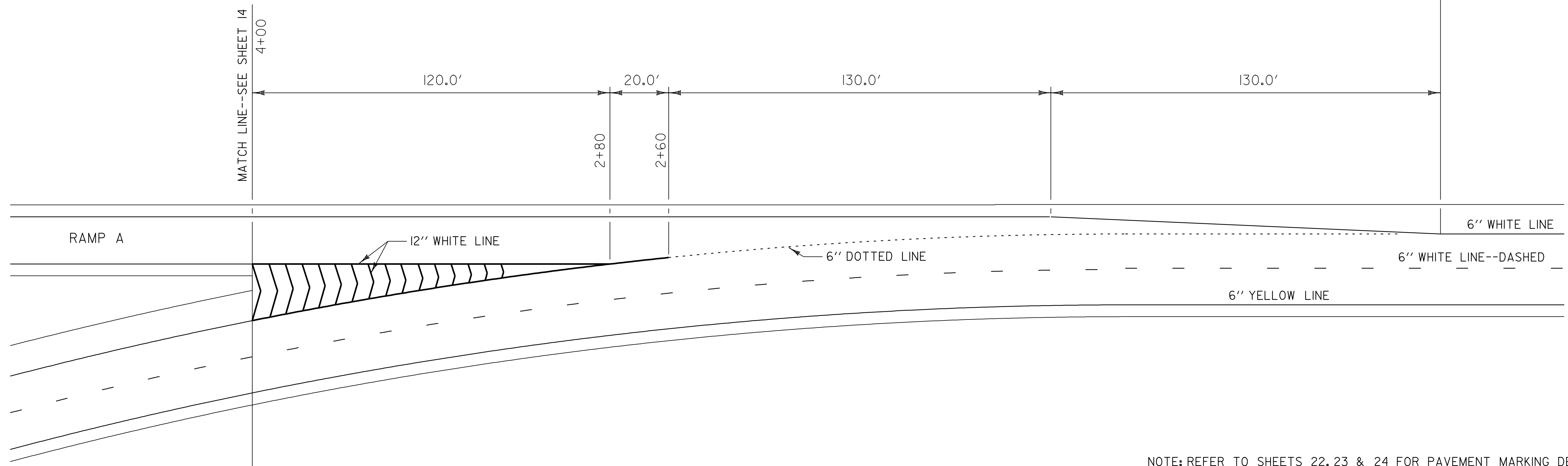
PAVING PROJECT LAYOUT #3	PROJECT NAME: FAIRLEE-NEWBURY	PLOT DATE: 12-MAR-2007 11:18
	PROJECT NUMBER: AC IM 091-2(39)	DRAWN BY: JLR
	FILE NAME: /pave/03a028/pa028.dgn	CHECKED BY: JLR
	DESIGNED BY: JLR	SHEET 13 OF 25
	pa028i03.i	



DURABLE 12" WHITE LINE
RAMP A STA 2+60 ~ 4+00 LT

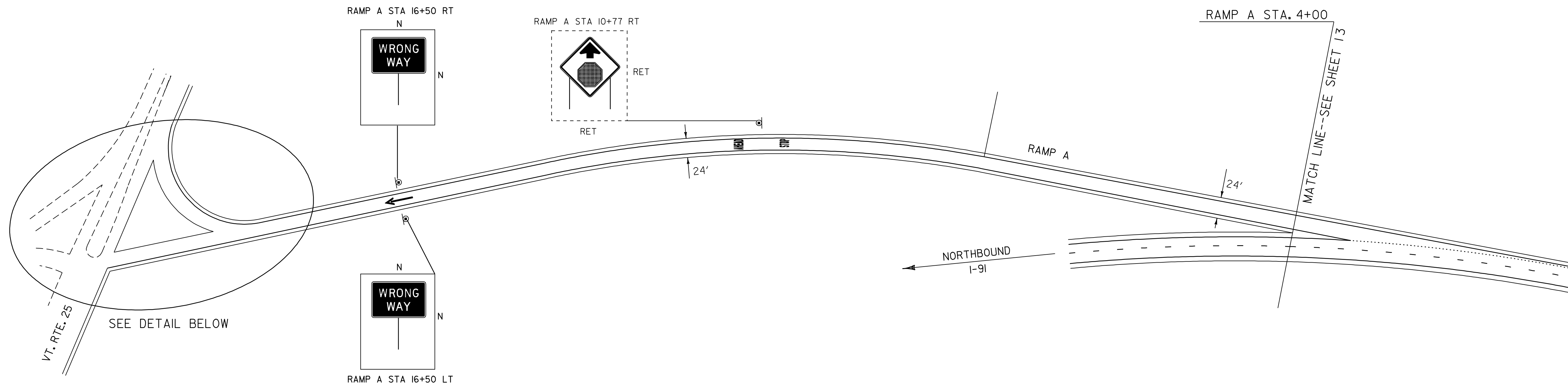
TEMPORARY & DURABLE 6" WHITE LINE
RAMP A STA 0+00 ~ 2+60 LT--DOTTED
RAMP A STA 0+00 ~ 4+00 RT--SOLID

RAMP A STA. 0+00=
M.L. STA 5135+94
(MM 97.262)



NOTE: REFER TO SHEETS 22, 23 & 24 FOR PAVEMENT MARKING DETAILS.

EXIT 16 RAMP A STRIPING SHEET	PROJECT NAME: FAIRLEE-NEWBURY	
	PROJECT NUMBER: AC IM 091-2(39)	
	FILE NAME: /pave/03a028/pa028.dgn	PLOT DATE: 12-MAR-2007 11:19
	PROJECT LEADER: WOOLLAVER	DRAWN BY: JLR
DESIGNED BY: JLR	CHECKED BY: JLR	
pa028d01.i		SHEET 14 OF 25



TEMPORARY & DURABLE 24" STOP BAR
RAMP A STA 19+03

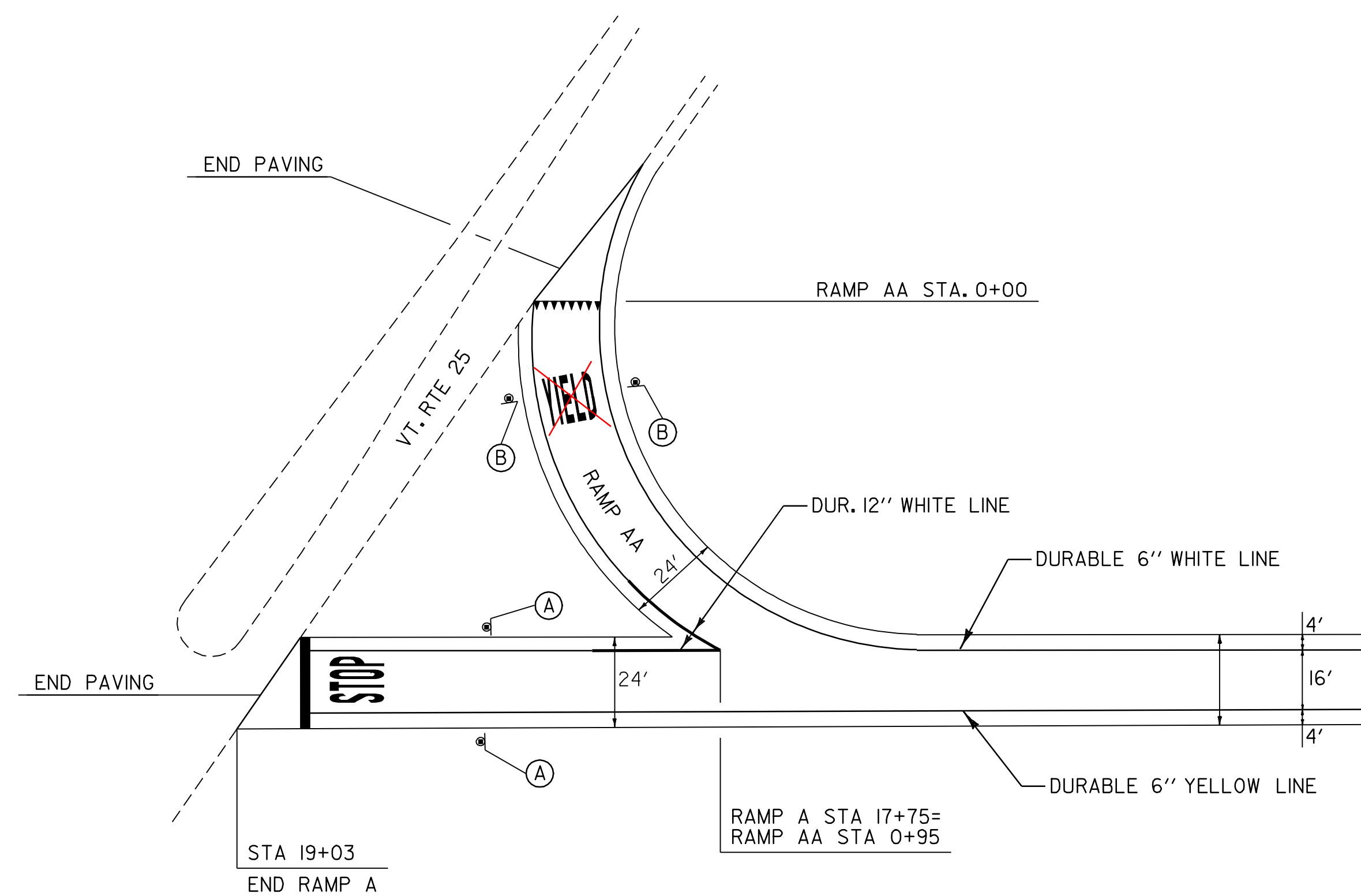
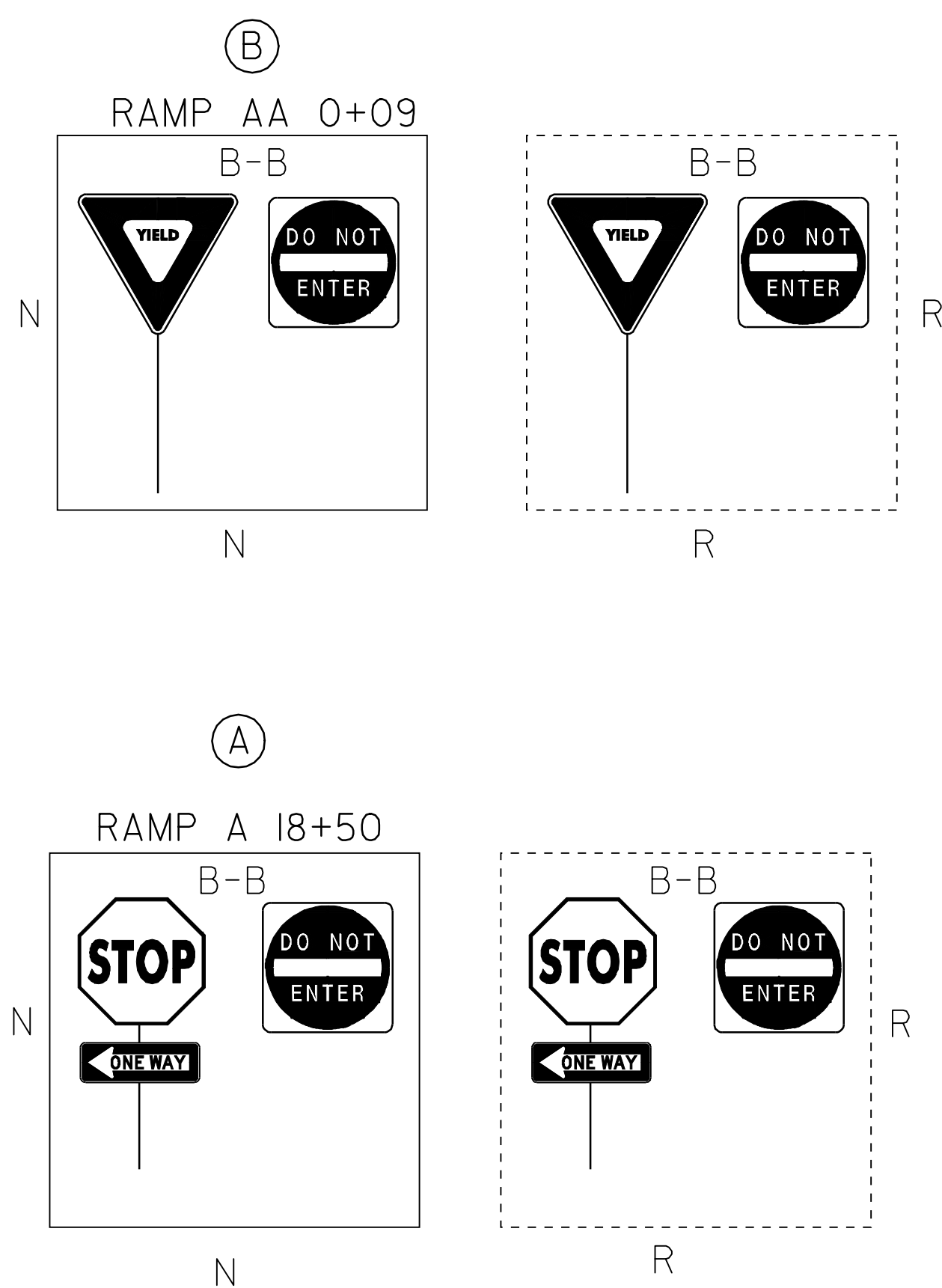
TEMPORARY & DURABLE LETTER OR SYMBOL
 RAMP AA STA 0+00 (▼ 8 EA)
 RAMP AA STA 0+09 (YIELD)(5 EA)
 RAMP A STA 16+50 (ARROW)(1 EA)
 RAMP A STA 18+99 (STOP)(4 EA)
 RAMP A STA 10+61 (STOP)(4 EA)
 RAMP A STA 10+93 (AHEAD)(5 EA)

DURABLE 12" WHITE LINE
 RAMP A STA 17+75 ~ 17+95 RT
 RAMP AA STA 0+75 ~ 0+95 LT

TEMPORARY & DURABLE 6" WHITE LINE
 RAMP A STA 4+00 ~ RAMP AA STA 0+09 RT EDGE LINE--SOLID
 RAMPS A STA 17+95 ~ 19+03 RT EDGE LINE--SOLID

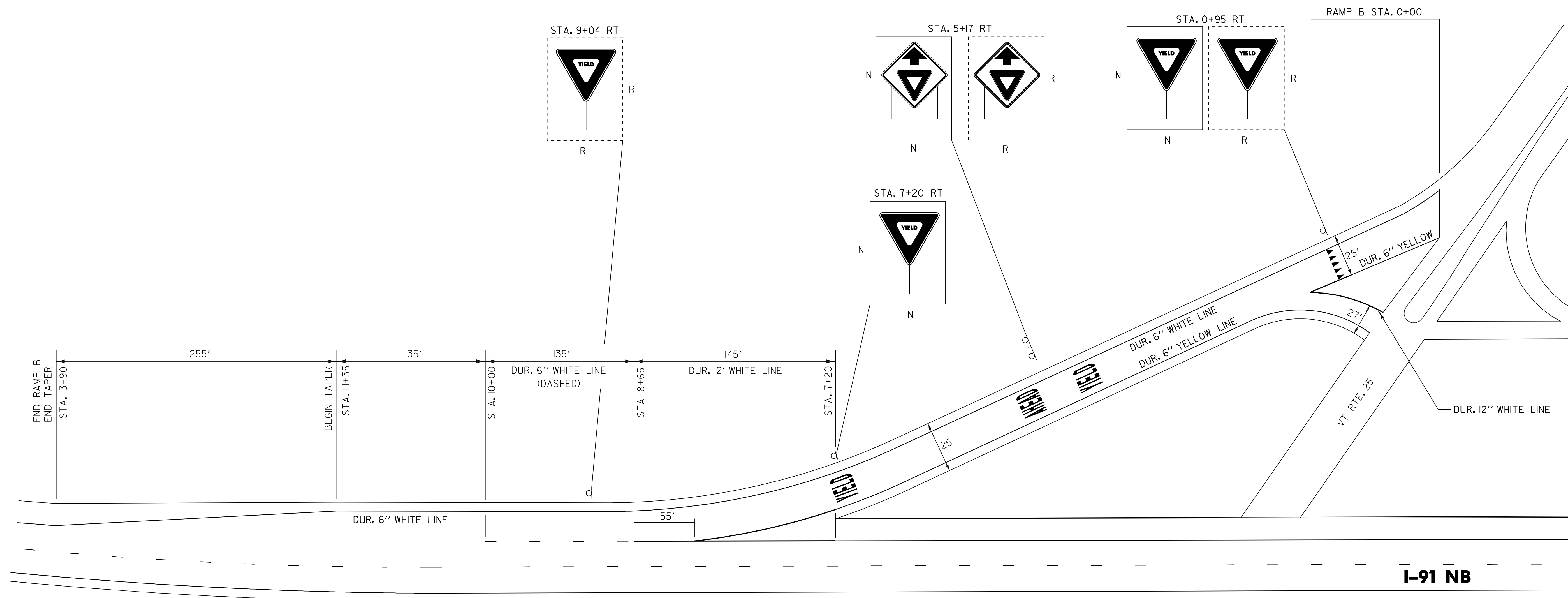
TEMPORARY & DURABLE 6" YELLOW LINE
 RAMP A STA 4+00 ~ 19+03 LT EDGE LINE--SOLID
 RAMPS AA STA 0+00 ~ 0+75 RT EDGE LINE--SOLID

REMOVING SIGNS
AS SHOWN--10



NOTE: REFER TO SHEETS 22, 23 & 24 FOR PAVEMENT MARKING DETAILS.

EXIT 16 RAMPS A & AA SIGN & STRIPING SHEET	PROJECT NAME: FAIRLEE-NEWBURY	PLOT DATE: 12-MAR-2007 11:19
	PROJECT NUMBER: AC IM 091-2(39)	DRAWN BY: JLR
	FILE NAME: /pave/03a028/pa028.dgn	CHECKED BY: JLR
	DESIGNED BY: JLR	SHEET 15 OF 25



DURABLE LETTER OR SYMBOL

RAMP B STA 0+95 (YIELD)
 RAMP B STA 4+93 (YIELD)
 RAMP B STA 5+33 (AHEAD)
 RAMP B STA 7+20 (YIELD)

DURABLE 12" WHITE LINE

RAMP B STA 1+19 ~ 1+40 LT
 RAMP B STA 7+20 ~ 8+65 LT

TEMPORARY & DURABLE 6" WHITE LINE

RAMP B STA 0+00 ~ 13+90 RT EDGE LINE--SOLID
 RAMP B STA 8+65 ~ 10+00 LT LANE LINE--DASH

TEMPORARY & DURABLE 6" YELLOW LINE

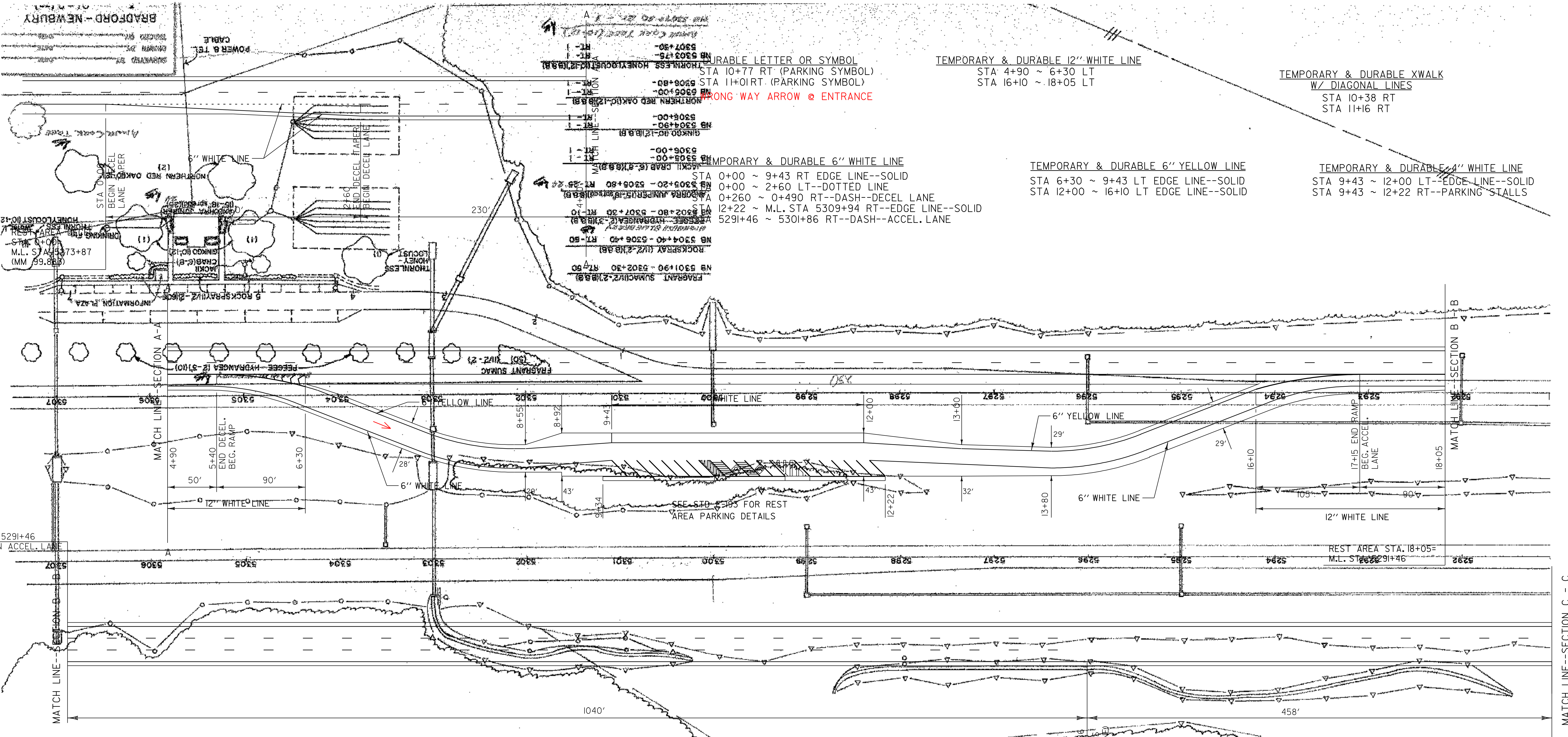
RAMP B STA 0+00 ~ 1+19 LT EDGE LINE--SOLID
 RAMP B STA 1+140 ~ 7+20 LT EDGE LINE--SOLID

REMOVING SIGNS

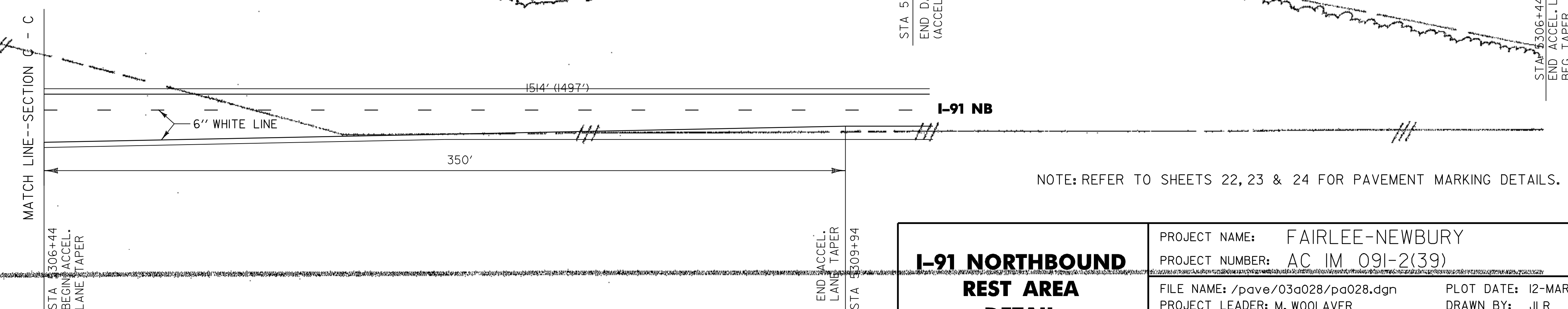
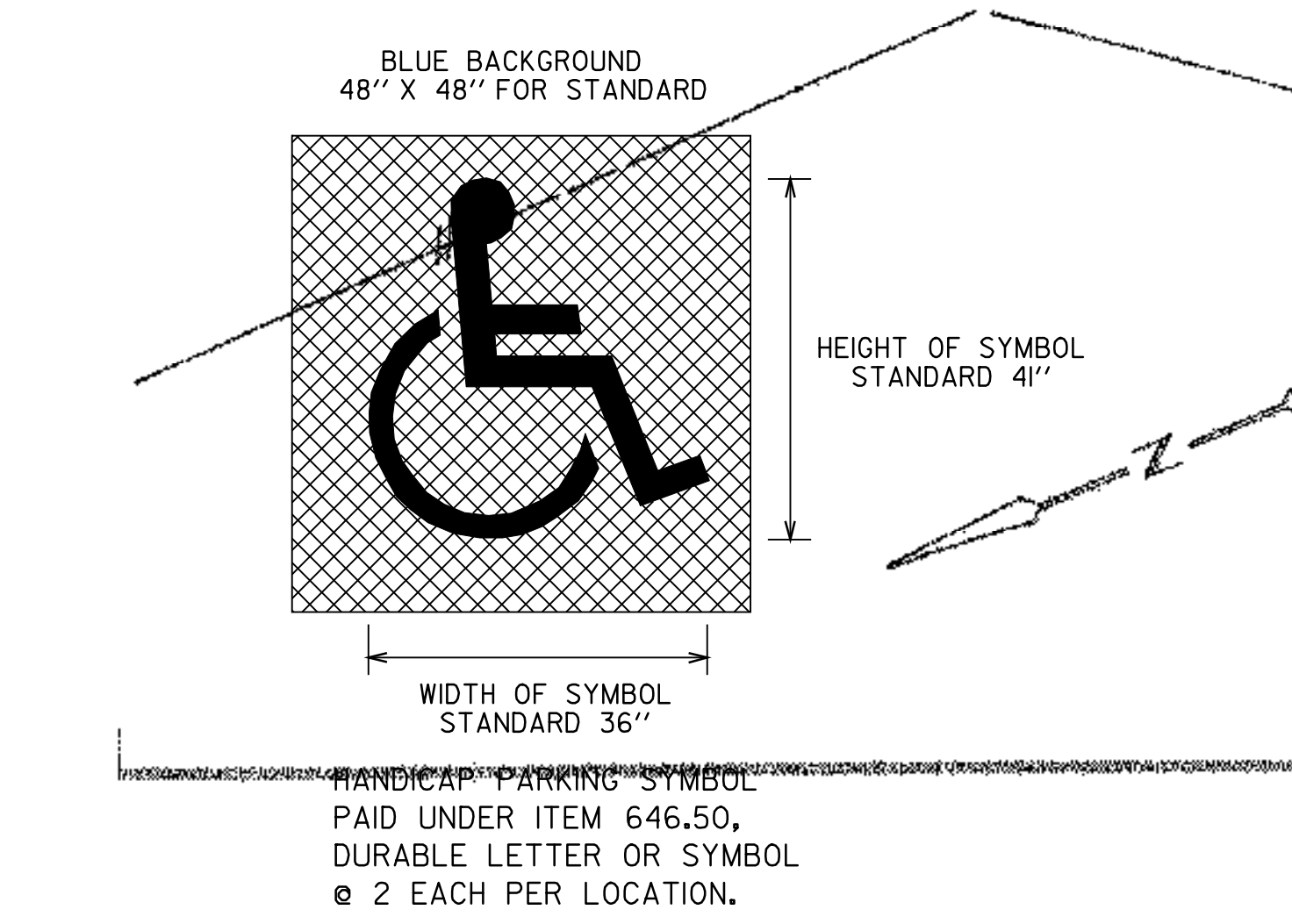
AS SHOWN--3

NOTE: REFER TO SHEETS 22, 23 & 24 FOR PAVEMENT MARKING DETAILS.

EXIT 16 RAMP B SIGN & STRIPING SHEET	PROJECT NAME: FAIRLEE-NEWBURY	
	PROJECT NUMBER: AC IM 091-2(39)	
	FILE NAME: /pave/03a028/pa028.dgn	PLOT DATE: 12-MAR-2007 11:19
	PROJECT LEADER: M. WOOLAVER	DRAWN BY: JLR
DESIGNED BY: JLR	CHECKED BY: JLR	
pa028d03.1		SHEET 16 OF 25

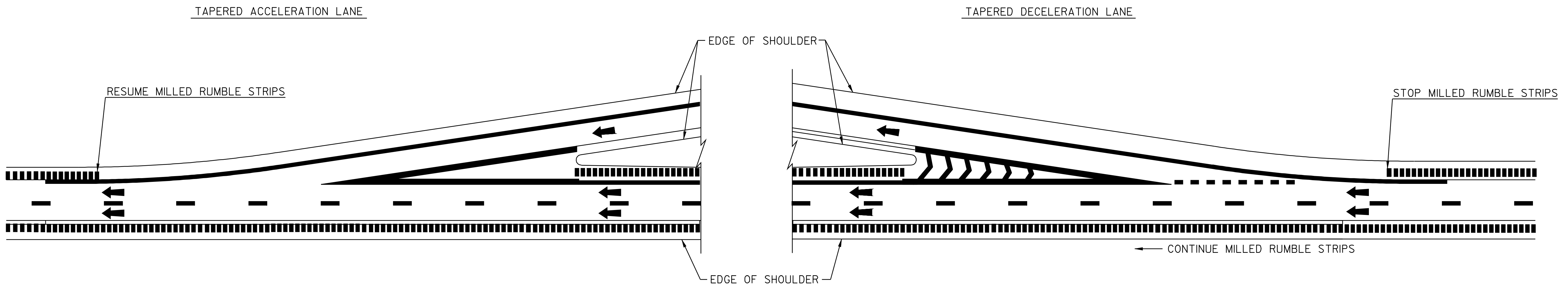
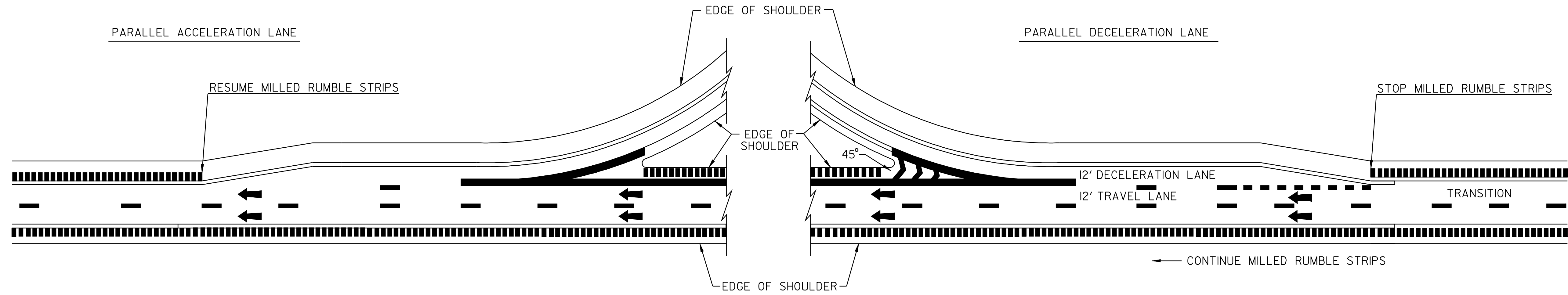


- DURABLE LETTER OR SYMBOL
STA 10+77 RT (PARKING SYMBOL)
STA 11+01 RT (PARKING SYMBOL)
- LONG WAY ARROW @ ENTRANCE
- TEMPORARY & DURABLE 12" WHITE LINE
STA 4+90 ~ 6+30 LT
STA 16+10 ~ 18+05 LT
- TEMPORARY & DURABLE 6" WHITE LINE
STA 0+00 ~ 9+43 RT EDGE LINE--SOLID
0+00 ~ 2+60 LT--DOTTED LINE
0+260 ~ 0+490 RT--DASH--DECEL LANE
12+22 ~ M.L. STA 5309+94 RT--EDGE LINE--SOLID
5291+46 ~ 5301+86 RT--DASH--ACCEL. LANE
- TEMPORARY & DURABLE 6" YELLOW LINE
STA 6+30 ~ 9+43 LT EDGE LINE--SOLID
STA 12+00 ~ 16+10 LT EDGE LINE--SOLID
- TEMPORARY & DURABLE 4" WHITE LINE
STA 9+43 ~ 12+00 LT--EDGE LINE--SOLID
STA 9+43 ~ 12+22 RT--PARKING STALLS



I-91 NORTHBOUND REST AREA DETAIL	PROJECT NAME: FAIRLEE-NEWBURY	PLOT DATE: 12-MAR-2007 11:19
	PROJECT NUMBER: AC IM 091-2(39)	DRAWN BY: JLR
	FILE NAME: /pave/03a028/pa028.dgn	CHECKED BY: JLR
	PROJECT LEADER: M. WOOLAVER	SHEET 17 OF 25

TYPICAL MILLING AT INTERCHANGES & REST AREAS



NOTES:

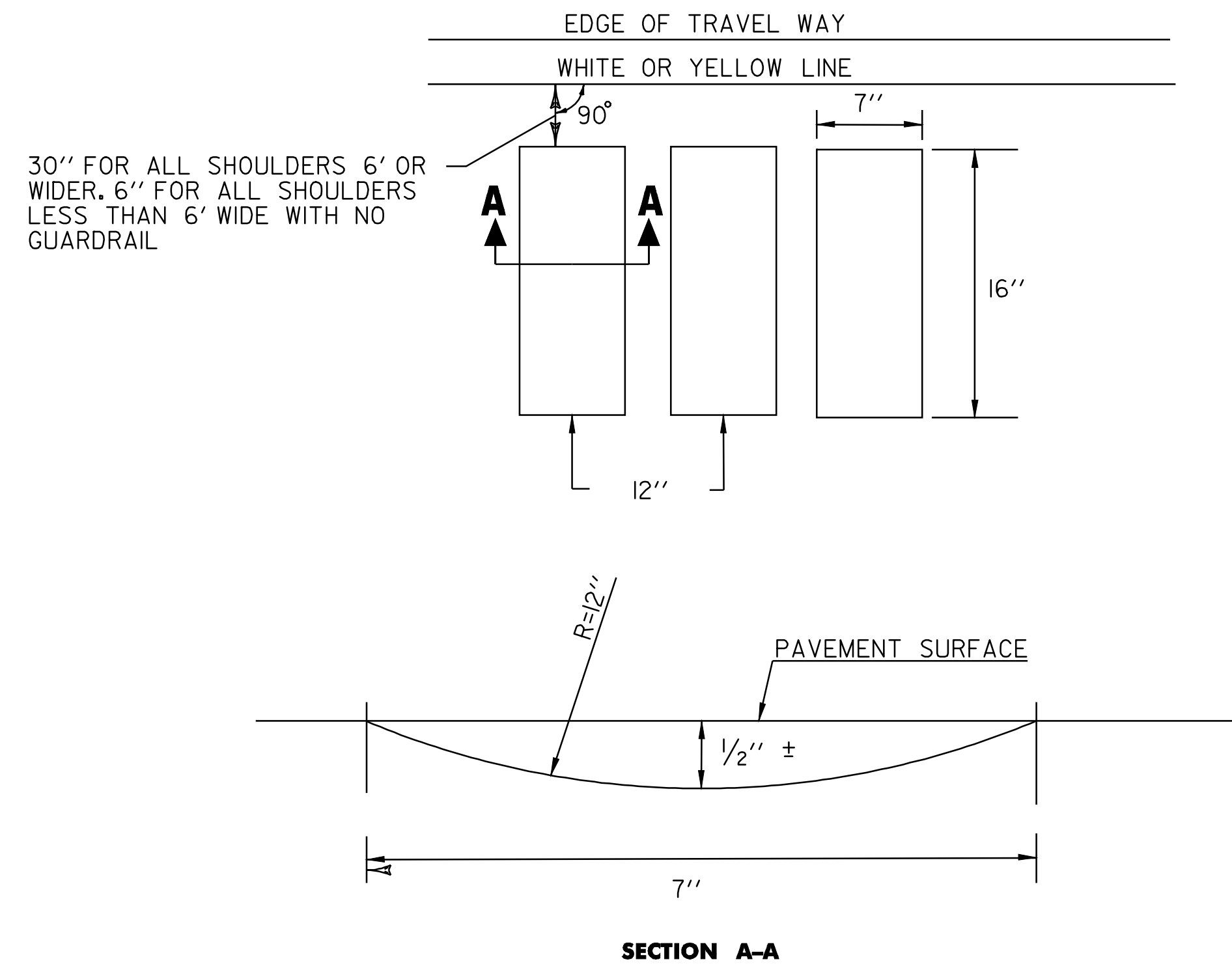
1. THIS TYPICAL MAY BE MODIFIED AT THE DISCRETION OF THE RESIDENT ENGINEER IF ACTUAL FIELD CONDITIONS NECESSITATE SUCH ACTIONS.
2. REFER TO SHEETS 22, 23 & 24 FOR PAVEMENT MARKING DETAILS.

LEGEND
 DIRECTION OF TRAFFIC FLOW
 MILLED RUMBLE STRIPS

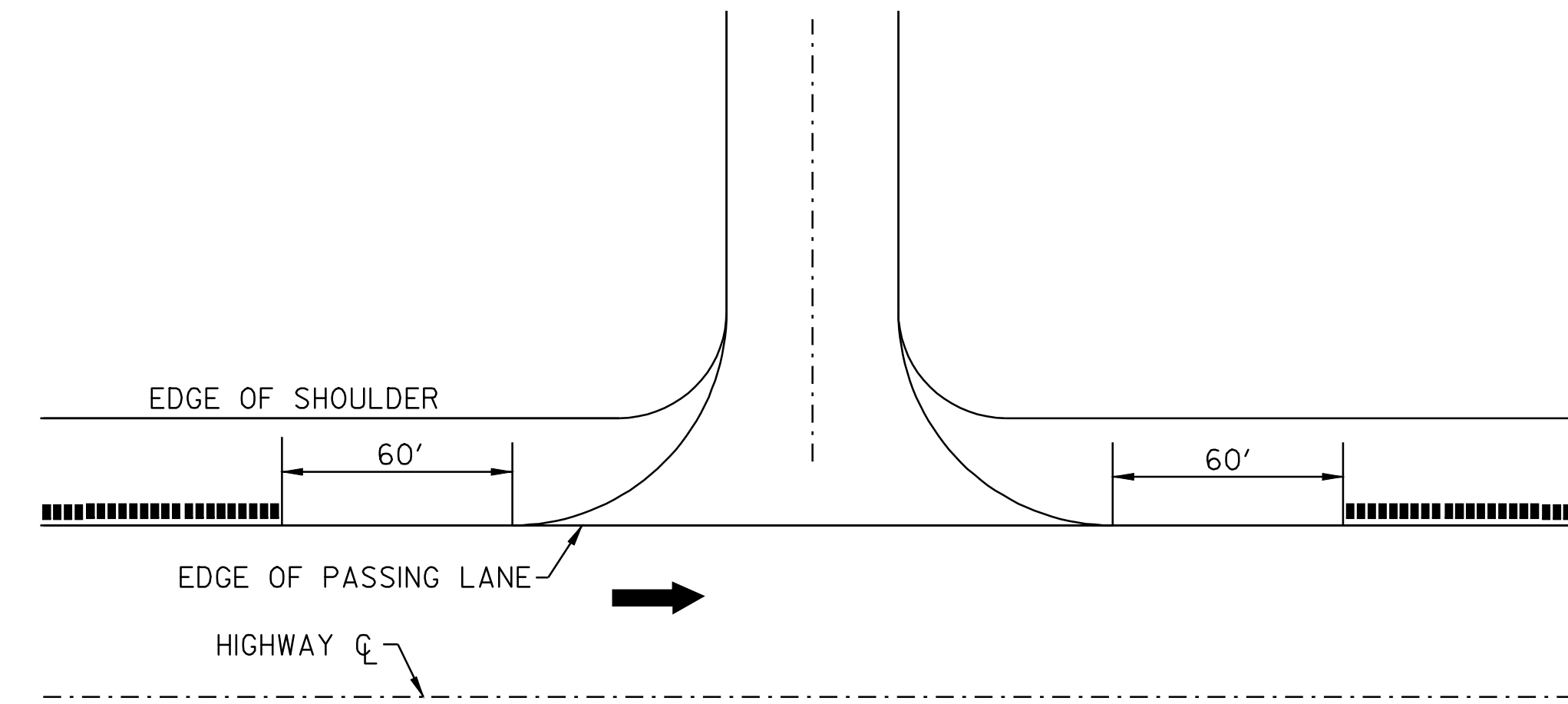
MILLED RUMBLE STRIP DETAIL SHEET #1

PROJECT NAME: FAIRLEE-NEWBURY	PLOT DATE: 12-MAR-2007 11:19
PROJECT NUMBER: AC IM 091-2(39)	DRAWN BY: JLR
FILE NAME: /pave/03a028/pa028.dgn	CHECKED BY: JLR
PROJECT LEADER: WOOLLAVER	SHEET 18 OF 25
DESIGNED BY: JLR	
pa028d05.i	

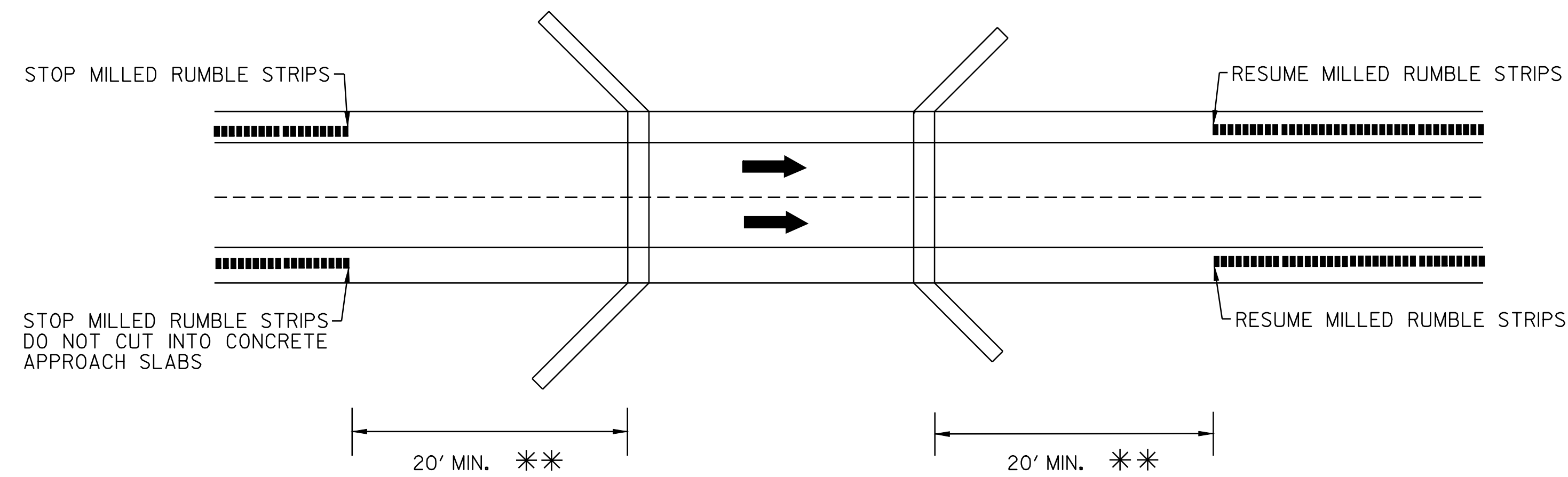
TYPICAL MILLING DETAIL



U-TURN DETAIL



BRIDGE DETAIL



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

NOTE:

MILLED RUMBLE STRIPS WILL NOT BE REQUIRED IN GUARDRAIL AREAS ADJACENT TO THE 4' SHOULDER.

LEGEND

- DIRECTION OF TRAFFIC FLOW
- MILLED RUMBLE STRIPS

MILLED RUMBLE STRIP DETAIL SHEET #2

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn
PROJECT LEADER: WOOLLAVER
DESIGNED BY: JLR
pa028d06.1

PLOT DATE: 12-MAR-2007 11:19
DRAWN BY: JLR
CHECKED BY: JLR
SHEET 19 OF 25

TRAFFIC SIGN SUMMARY SHEET 1

* SIGNS PLACED AS PER PLAN

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL				
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			SALV TIS	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL			S R E Q U I R E D	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
											lb/ft			lb/ft			lb/ft			lb/ft				FTG. SIZE						WEIGHT	POST SIZE
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"						
OPTION ITEMS																															
EXIT 16 OFF RAMP A																															
16+50 LT		I	30	24	5.0				I		X			X															E-143		
16+50 RT		I	30	24	5.0				I		X			X															E-143		
18+50 LT		I	30	30	6.25				I		X			X															E-143		
		I	36	12	3.0																									E-142	
18+50 RT		I	30	30	6.25				I		X			X															E-143		
		I	36	12	3.0																									E-142	
EXIT 16 OFF RAMP AA																															
0+09 LT	36X36X36	I	30	30	4.5 6.25				I		X			X															E-146 E-143		
0+09 RT	36X36X36	I	30	30	4.5 6.25				I		X			X															E-146 E-143		
EXIT 16 ON RAMP B 0+95 RT	36X36X36	I			4.5				I		X			X															E-146		

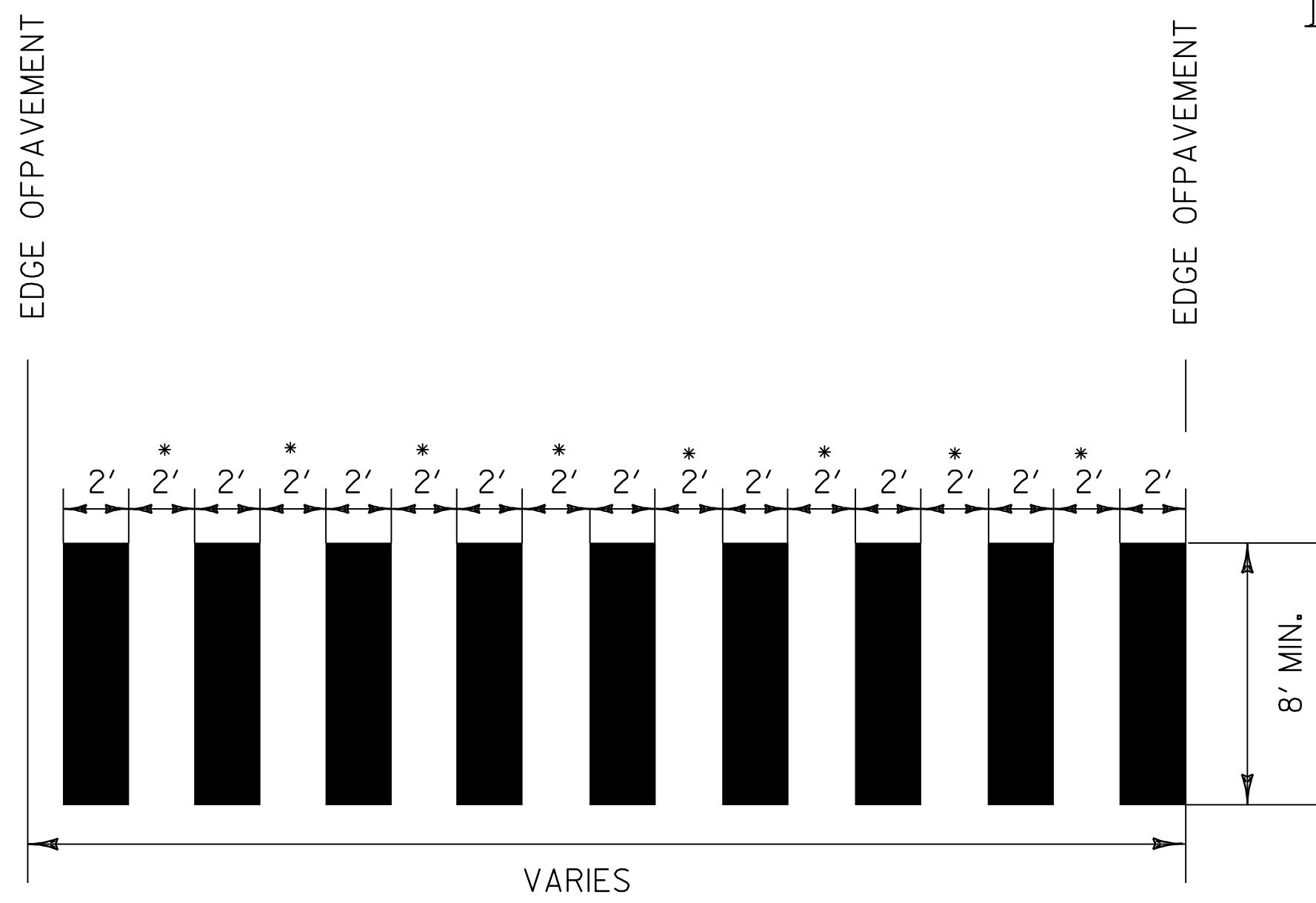
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

SHEET TOTALS	SF	SF	EA.	SF		FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB
	67					95.5				95.5										

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)
FILE NAME: /pave/03a028/pa028.dgn PLOT DATE: 12-MAR-2007 11:19
PROJECT LEADER: WOOLAVER DRAWN BY: JLR
DESIGNED BY: JLR CHECKED BY: JLR
pa028+sl.I SHEET 20 OF 25

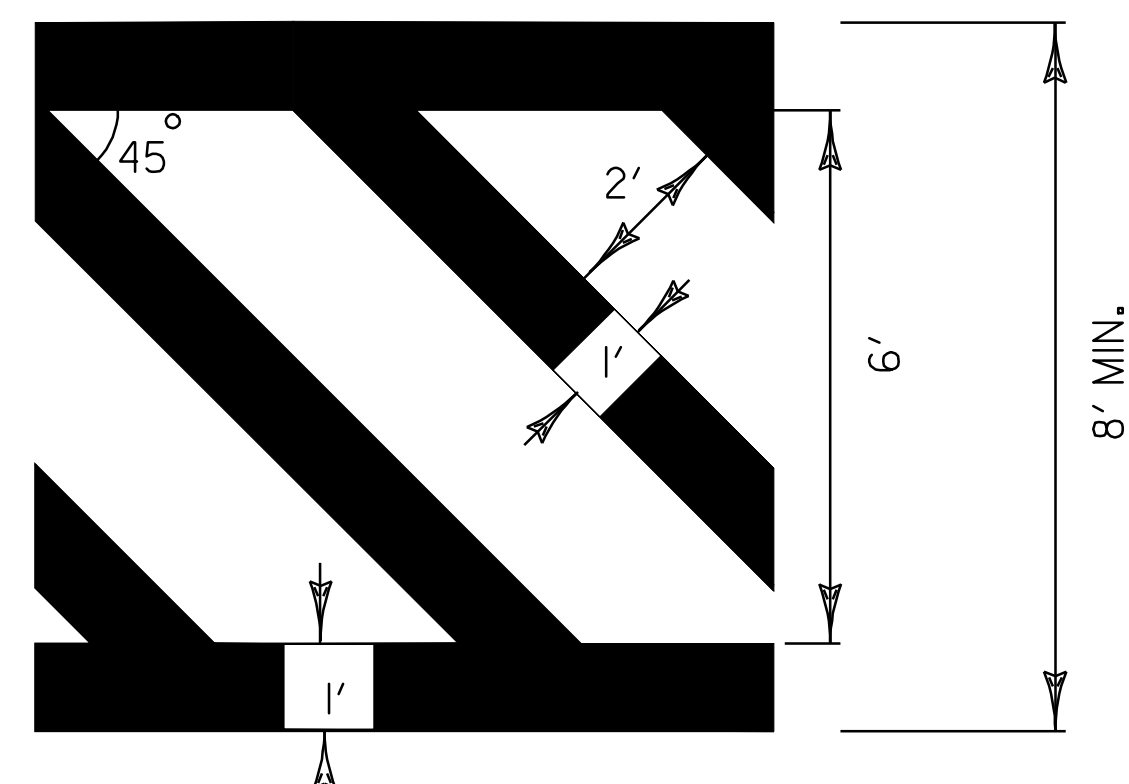
INTERSTATE TYPICAL PAVEMENT MARKINGS

NOT TO SCALE

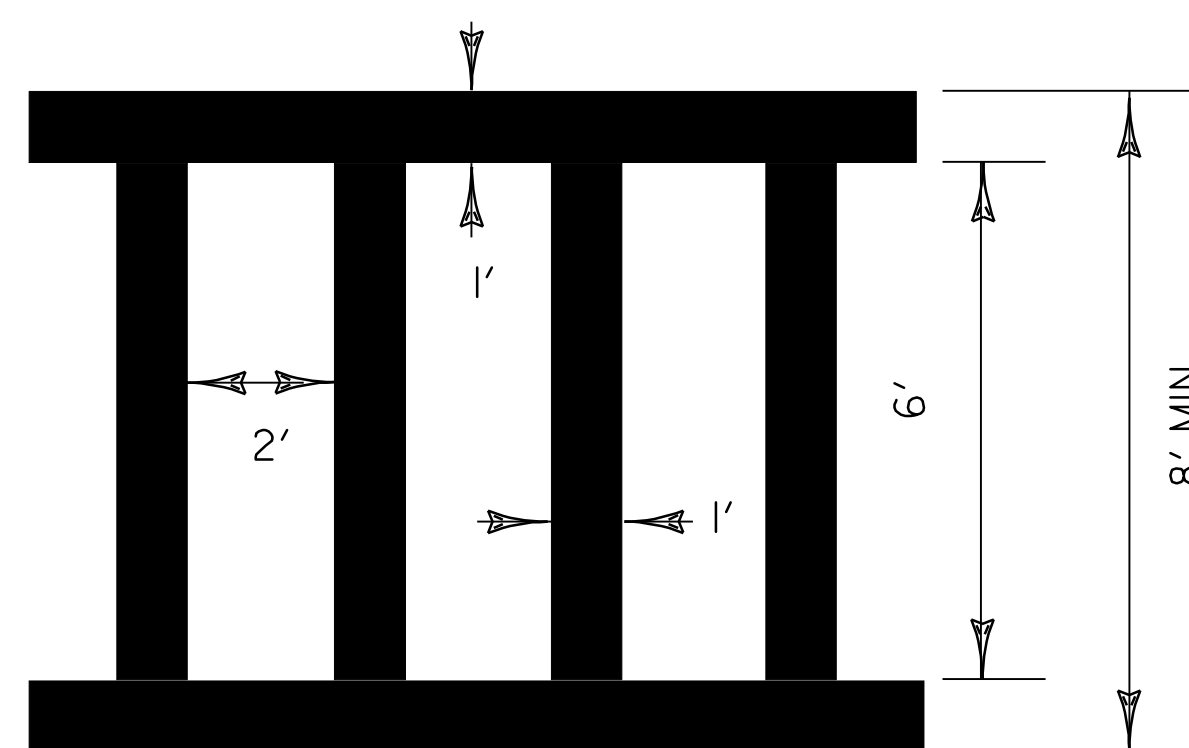


* ADJUST SPACING (12"-24") TO AVOID WHEEL PATHS

BLOCK PATTERN CROSSWALK DETAIL

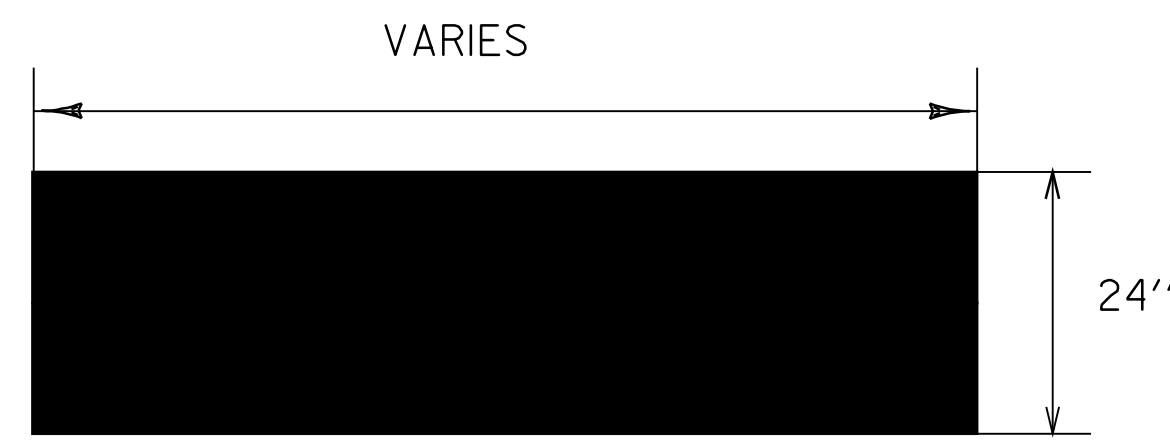


DIAGONAL PATTERN CROSSWALK DETAILS

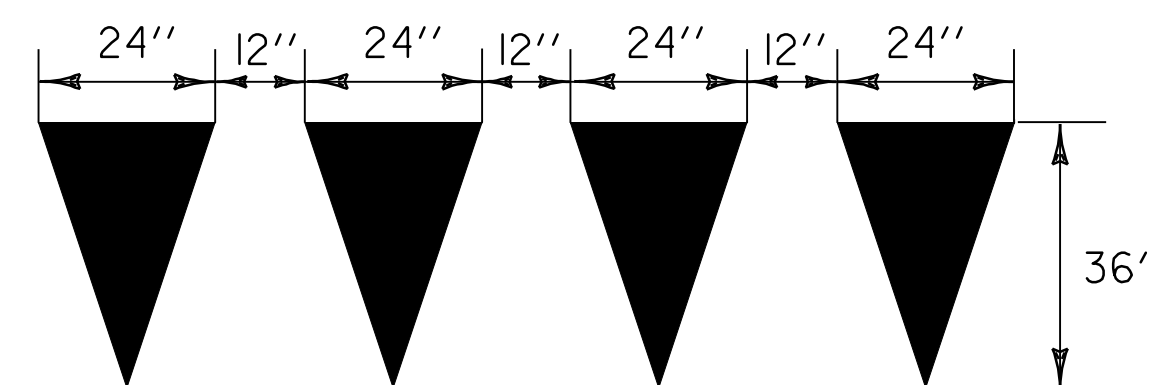


LADDER PATTERN CROSSWALK DETAILS

NOTE: REPAINT WHICHEVER PATTERN IS FOUND IN THE FIELD

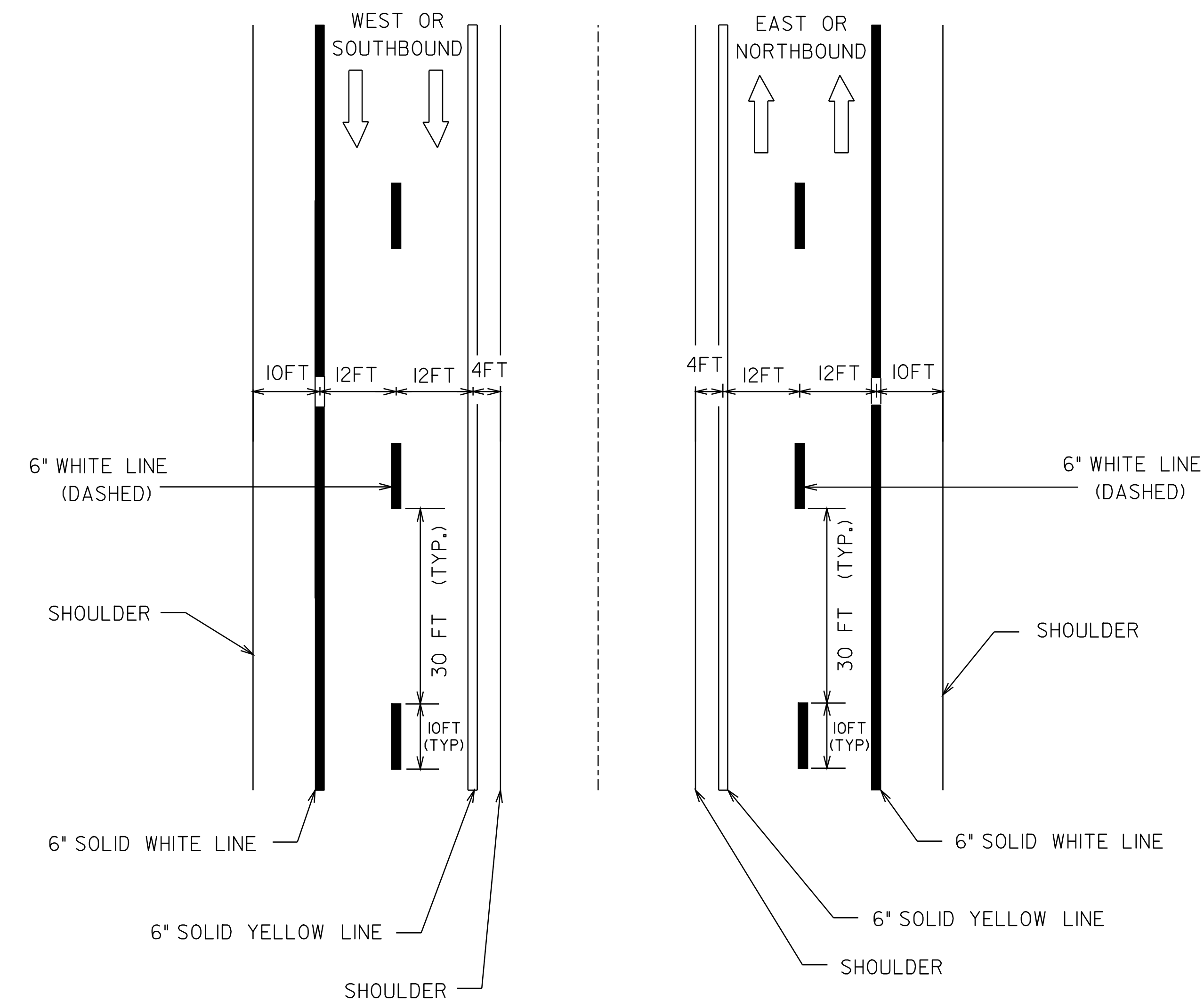


STOP BAR DETAIL



YIELD LINE DETAILS

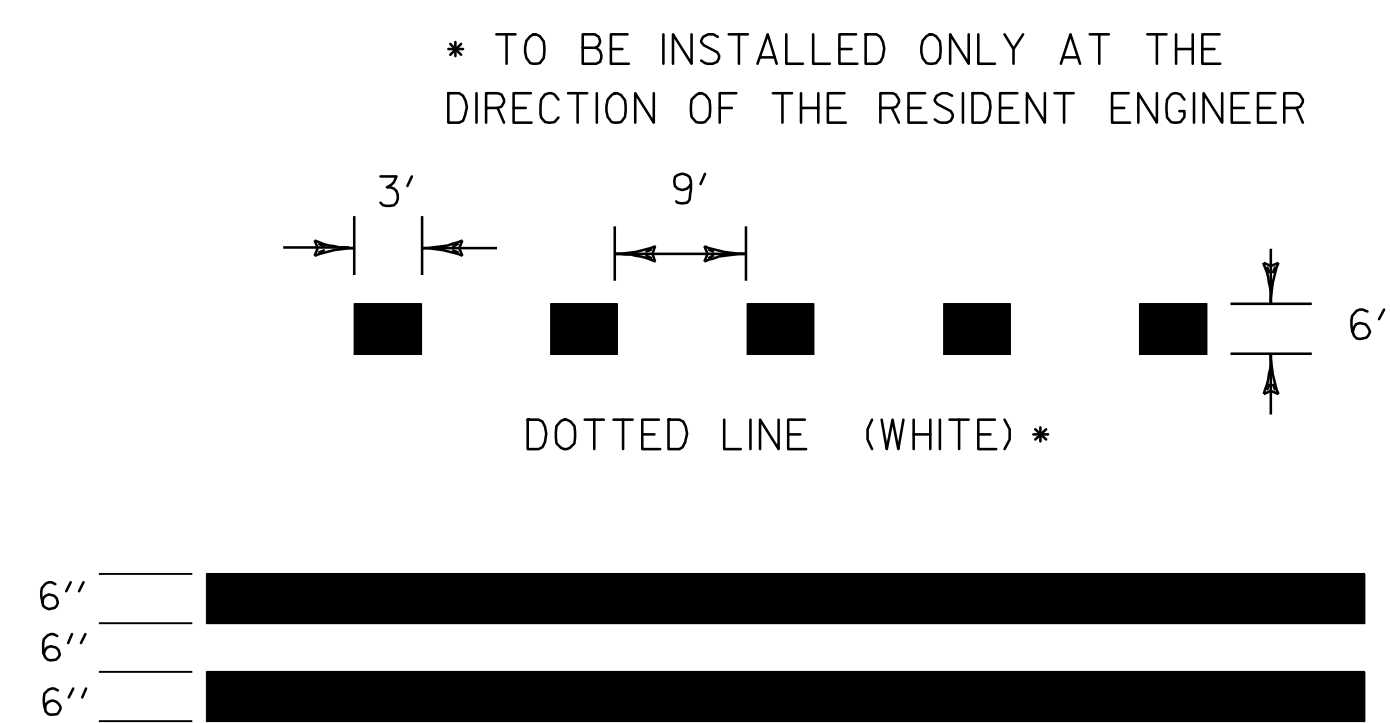
TO BE INSTALLED ONLY AT THE DIRECTION OF THE RESIDENT ENGINEER
TO BE PAID AS ONE LETTER OR SYMBOL PER TRIANGLE



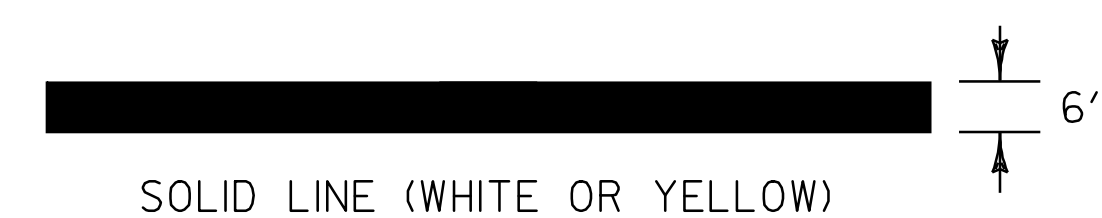
TYPICAL MAINLINE MARKING PLAN

LEGEND

- 6" WHITE LINES
- 6" YELLOW LINES
- DIRECTION OF TRAFFIC FLOW



TYPICAL TWO-WAY RAMP CENTERLINE MARKING

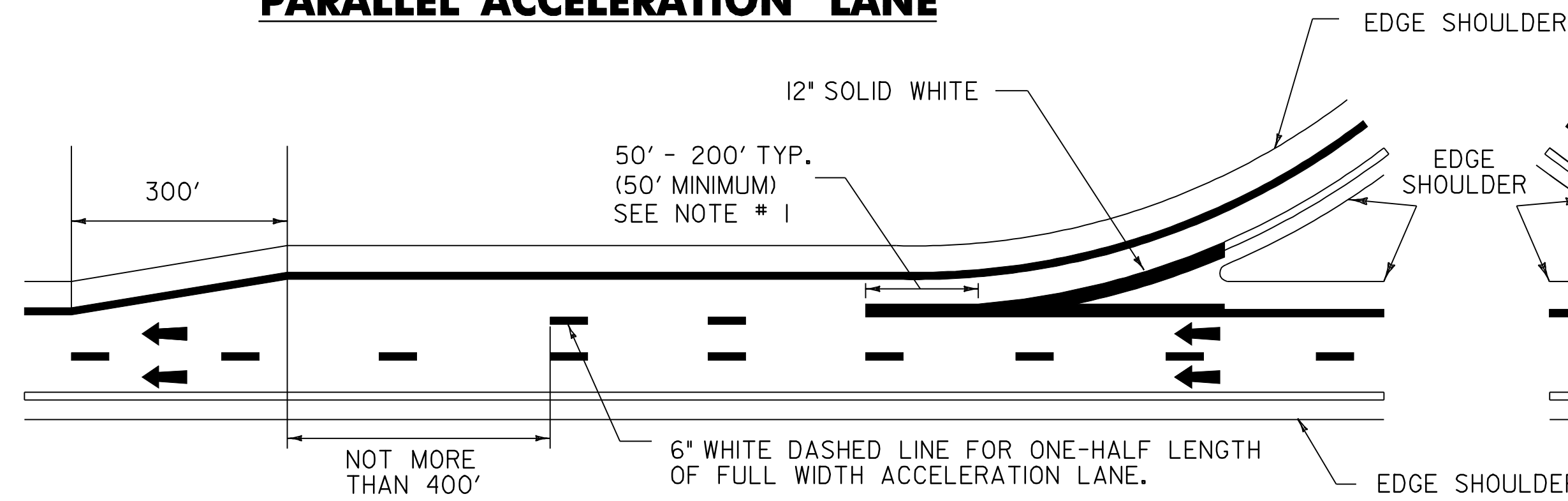


PAVEMENT MARKING LINE DETAILS

PROJECT NAME: FAIRLEE-NEWBURY	PLOT DATE: 12-MAR-2007 11:19
PROJECT NUMBER: AC IM 091-2(39)	DRAWN BY: JLR
FILE NAME: /pave/03a028/pa028.dgn	CHECKED BY: JLR
DESIGNED BY: JLR	SHEET 22 OF 25
pa028d07.1	

INTERSTATE TYPICAL PAVEMENT MARKINGS

PARALLEL ACCELERATION LANE

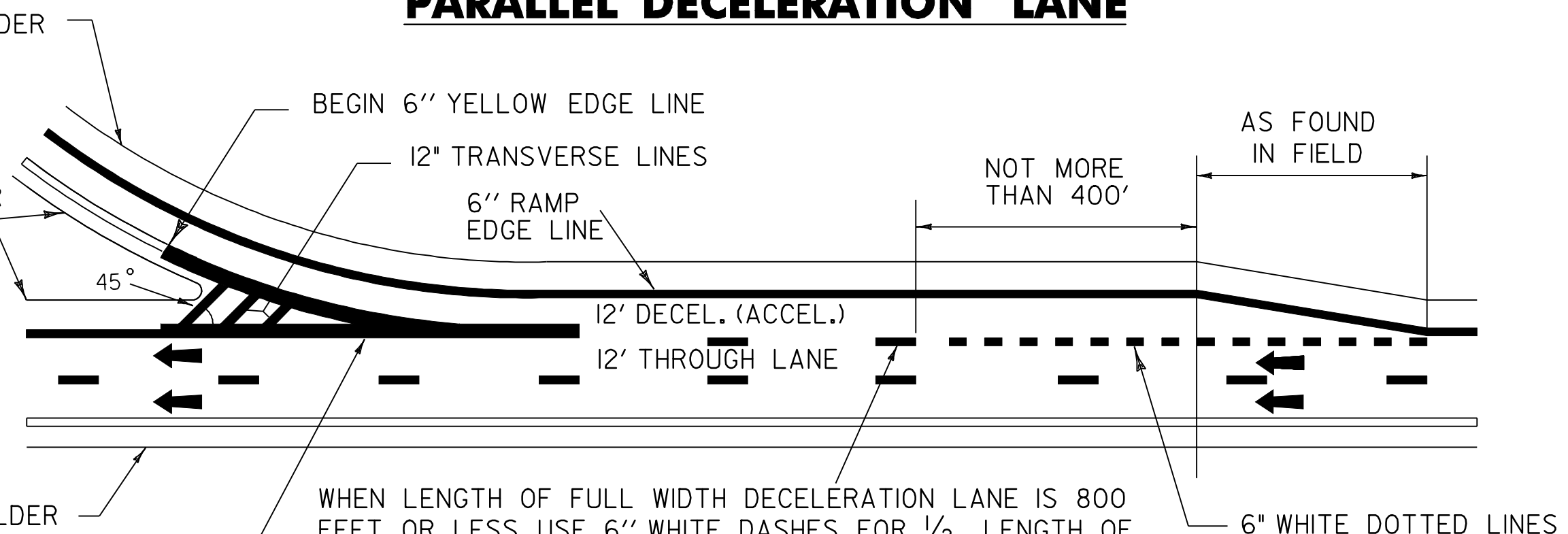


WHEN LENGTH OF FULL WIDTH ACCELERATION LANE IS 800 FEET OR LESS, USE 6" WHITE DASHES FOR 1/2 LENGTH OF FULL WIDTH

WHEN LENGTH OF FULL WIDTH ACCELERATION LANE IS GREATER THAN 800 FEET, USE 6" WHITE DASHES LEAVING ONLY THE 400' OPENING PLUS TAPER UNMARKED.

NOTE
EDGE LINES TO BE PAINTED TO THE CONNECTION OF THE EDGE LINE (OR TRAVEL LANE WHERE THERE IS NO EDGE LINE) ON THE CROSS ROAD AT THE RAMP TERMINALS. STOP BARS AND WORD MARKINGS ARE INCLUDED.

PARALLEL DECELERATION LANE



WHEN LENGTH OF FULL WIDTH DECELERATION LANE IS 800 FEET OR LESS, USE 6" WHITE DASHES FOR 1/2 LENGTH OF FULL WIDTH TAPER.

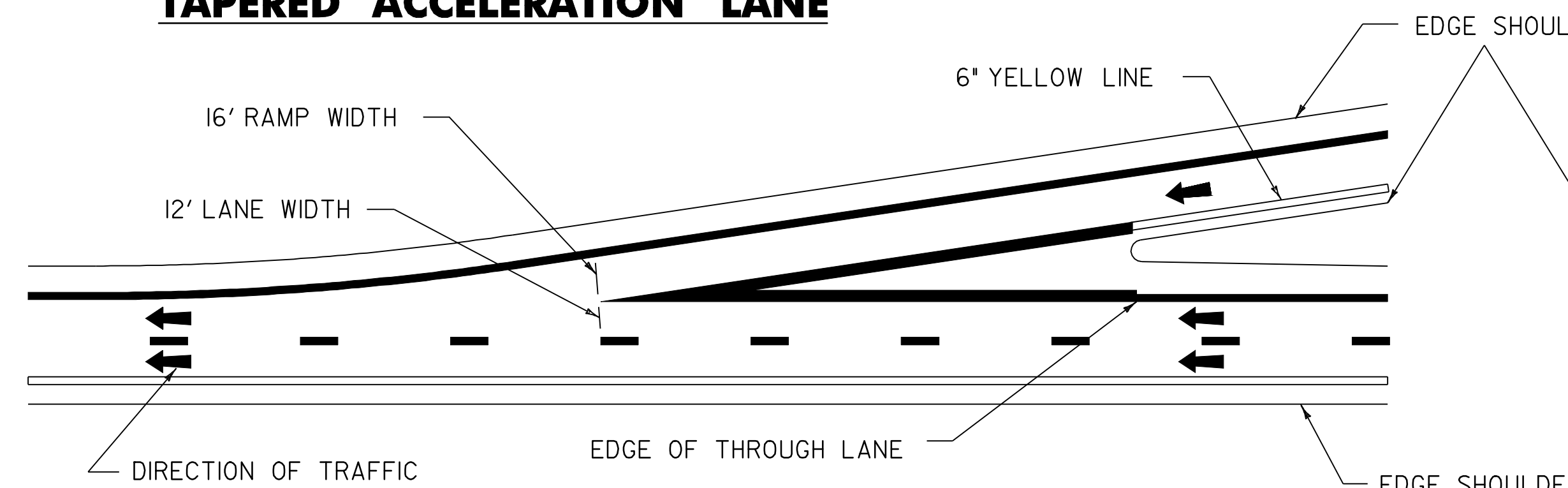
WHEN LENGTH OF FULL WIDTH DECELERATION LANE IS GREATER THAN 800 FEET, USE 6" WHITE DASHED LINE WITH 6" WHITE DOTTED LINE FOR ONLY 400' PLUS TAPER.

ACTUAL LOCATION OF 12" GORE MARKING TRANSITION CURVE MUST BE OFFSET FROM THE THEORETICAL RAMP EXTENSION LINE TO PROVIDE A VISUALLY SMOOTH RAMP ENTRANCE.

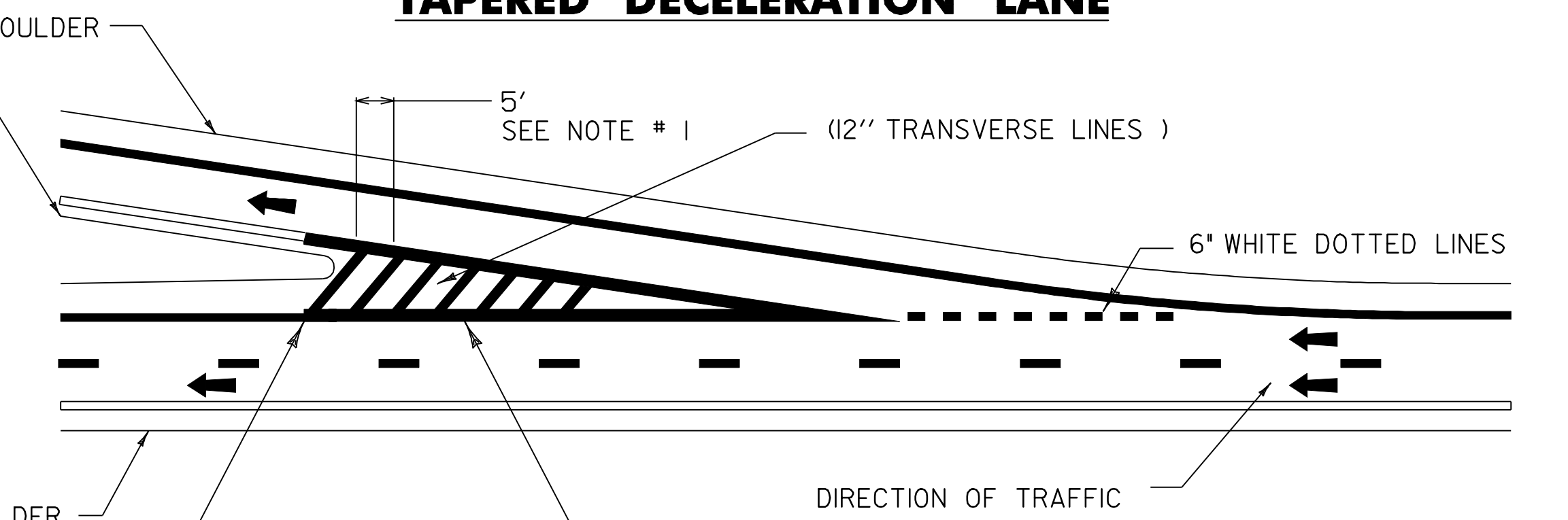
NOTES

1. MATCH EXISTING DIMENSIONS UNLESS NONE ARE PRESENT
2. TRANSVERSE LINES SHALL CONSIST OF 12" WHITE LINES SPACED 14'-0" C-C AND SET AT 45 TO MAIN LINE EDGE LINES. THESE MARKINGS SHALL BE USED TO INCREASE VISIBILITY DUE TO DIFFICULT VERTICAL OR HORIZONTAL ALIGNMENT, AS DIRECTED BY THE RESIDENT ENGINEER.
3. DASH PATTERNS WILL BE MODIFIED IN THE FIELD TO OVERLAY EXISTING DASHES WHERE PRESENT.
4. 12" WHITE TRANSVERSE LINES WILL SUPERCEDE 8" WHITE LINES

TAPERED ACCELERATION LANE



TAPERED DECELERATION LANE



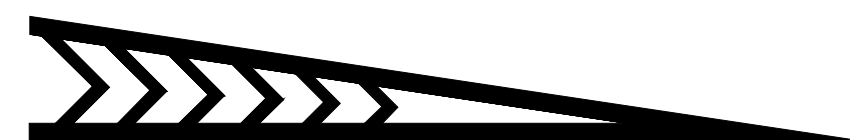
LEGEND

- 6" WHITE LINES
- 6" YELLOW LINES
- 12" CHANNELIZATION LINES
- DIRECTION OF TRAFFIC FLOW



ALTERNATE PATTERN GORE MARKING

NOT TO SCALE



ALTERNATE PATTERN GORE MARKING

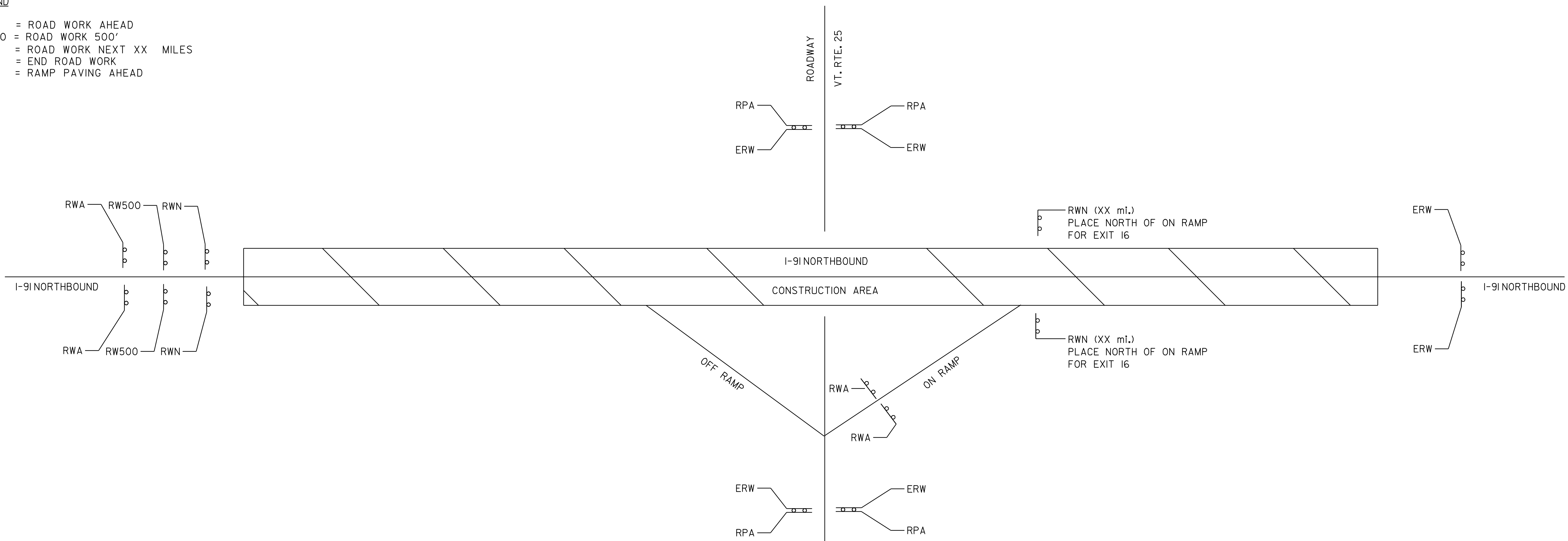
NOT TO SCALE

PROJECT NAME: FAIRLEE-NEWBURY
PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn PLOT DATE: 12-MAR-2007 11:19
PROJECT LEADER: WOOLAVER DRAWN BY: JLR
DESIGNED BY: JLR CHECKED BY: JLR
pa028d09.i SHEET 24 OF 25

LEGEND

- RWA = ROAD WORK AHEAD
- RW500 = ROAD WORK 500'
- RWN = ROAD WORK NEXT XX MILES
- ERW = END ROAD WORK
- RPA = RAMP PAVING AHEAD



CONSTRUCTION APPROACH SIGNING

NOT TO SCALE

SEE STD E-100 FOR SIGN PLACEMENT

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500'	ROAD WORK NEXT 1/2 MILES	ROAD WORK NEXT 7 MILES	RAMP PAVING AHEAD
I-91 NORTHBOUND						
BEGINNING OF PROJECT	2		2	2		
STATION 517+440					2	
EXIT 16 INTERCHANGE	2	4				4
END OF PROJECT		2				
TOTAL	4	6	2	2	2	4

NOTES:

1. ADDITIONAL RAMP SIGNING MAY BE REQUIRED AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE BID PRICE FOR TRAFFIC CONTROL - ITEM 641.10, SHALL INCLUDE ALL APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS AND POSTS AS DETAILED IN STANDARD E-103, MAINLINE TRAFFIC CONTROL--DIVIDED HIGHWAY. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER, SHALL BE INCLUDED. THE FOLLOWING ITEMS WILL BE PAID UNDER THEIR SPECIFIC BID PRICES:

 646.614, 646.615, 646.64, AND 646.70 - TEMPORARY MARKINGS
 630.10, 630.15 - UNIFORMED TRAFFIC OFFICERS AND FLAGGERS
3. PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE USED ALONG THIS PROJECT. THE PLACEMENT OF THESE MESSAGE SIGNS AS WELL AS THEIR MESSAGES WILL BE AS APPROVED BY THE RESIDENT ENGINEER. THIS QUANTITY IS PAID FOR UNDER ITEM 641.15 - PORTABLE CHANGEABLE MESSAGE SIGN.

**CONSTRUCTION
APPROACH
SIGNING**

PROJECT NAME: FAIRLEE-NEWBURY
 PROJECT NUMBER: AC IM 091-2(39)

FILE NAME: /pave/03a028/pa028.dgn PLOT DATE: 12-MAR-2007 11:19
 PROJECT LEADER: JLR DRAWN BY: JLR
 DESIGNED BY: JLR CHECKED BY: JLR
 pa028cas.1 SHEET 25 OF 25