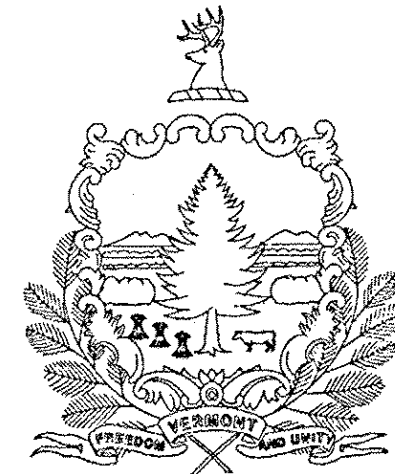


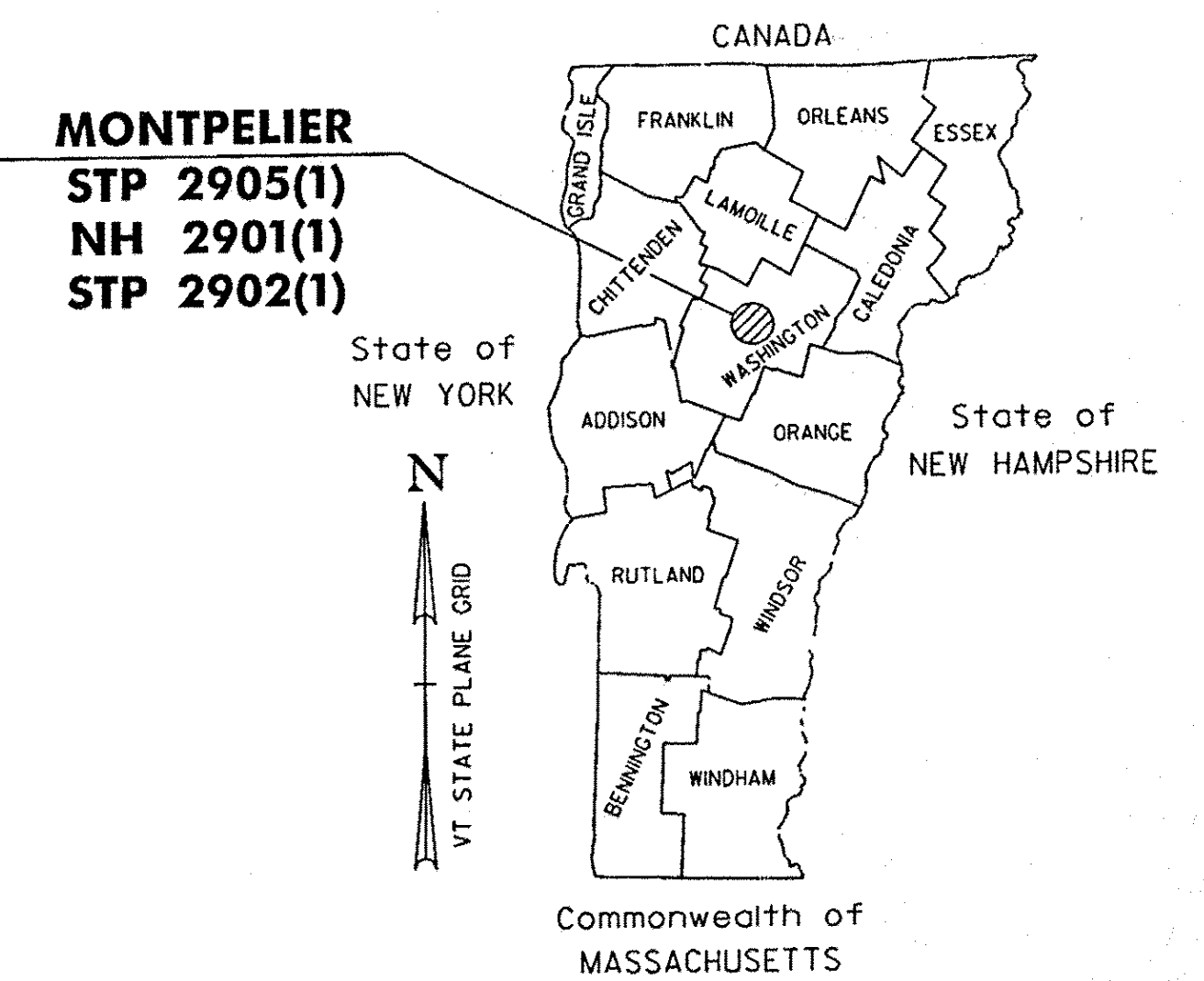
INDEX OF SHEETS

SEE SHEET 2 OF 79

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
CITY OF MONTPELIER
COUNTY OF WASHINGTON

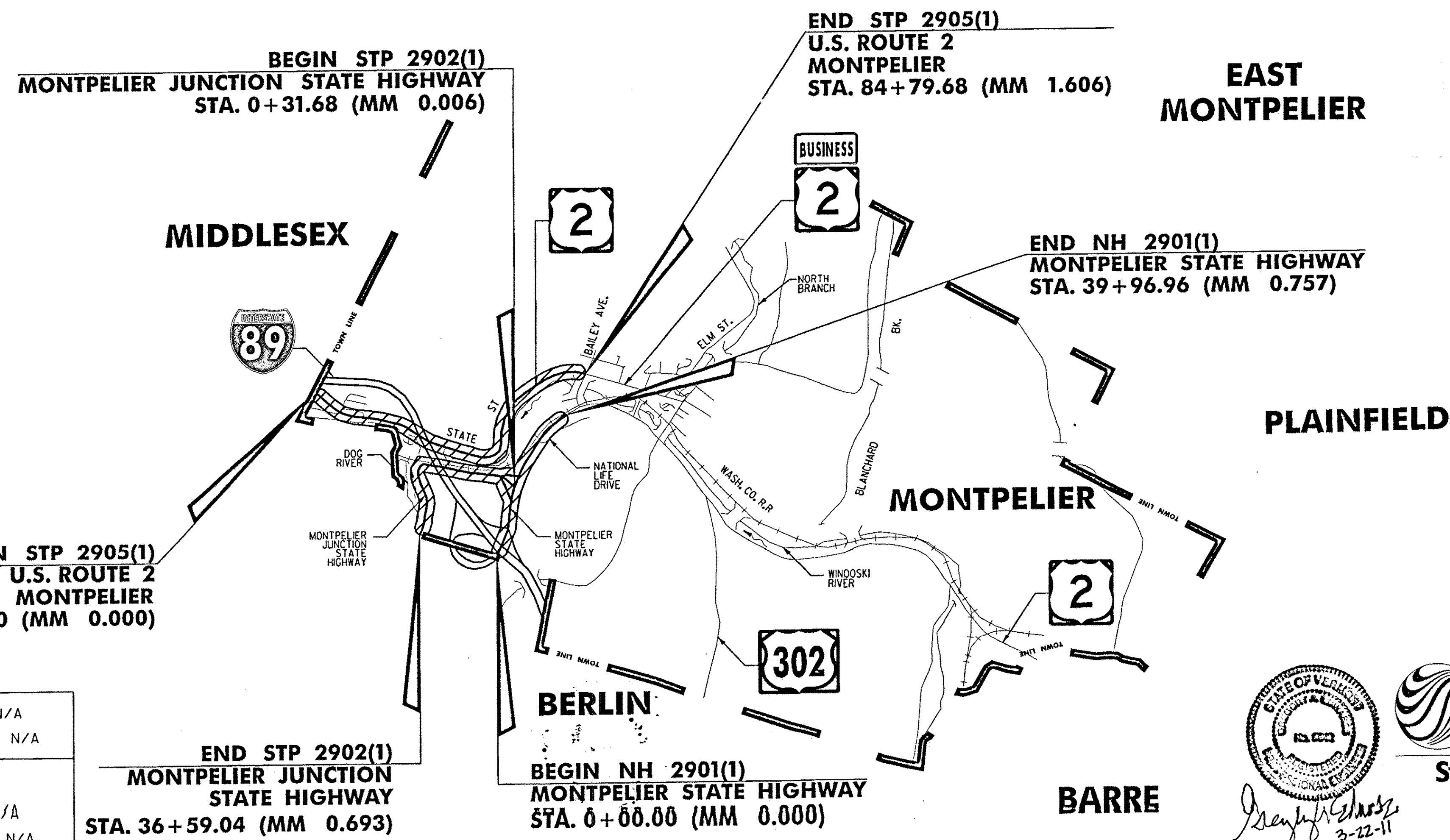


**MONTPELIER
STP 2905(1)
U.S. ROUTE 2**
SEE SHEET 8 OF 79

**MONTPELIER
NH 2901(1)
MONTPELIER
STATE HIGHWAY**
SEE SHEET 37 OF 79

**MONTPELIER
STP 2902(1)
MONTPELIER JUNCTION
STATE HIGHWAY**
SEE SHEET 61 OF 79

RECORD PLANS	
CONTRACTOR:	PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER:	BOB SUCKERT
CONSTRUCTION BEGAN:	AUGUST 11, 2011
CONSTRUCTION COMPLETE:	MAY 18, 2012
RECORD PLANS BY:	BOB SUCKERT
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	<i>[Signature]</i> RESIDENT ENGINEER
DATE:	3-27-15
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	
GUARDRAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
UTILITY POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : N/A
SURVEYED DATE : N/A
DATUM
VERTICAL N/A
HORIZONTAL N/A

BUILT AS DESIGNED

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 PURPOSES.

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".



DIRECTOR OF PROGRAM DEVELOPMENT	APPROVED <i>[Signature]</i> DATE 5-31-11
PROJECT MANAGER : MICHAEL FOWLER	
PROJECT NAME : MONTPELIER	
PROJECT NUMBER : STP 2905(1), NH 2901(1) AND STP 2902(1)	
SHEET 1 OF 79 SHEETS	

[Signature]
3-22-11

pl0dl16.dgn
pl0dl16.ctb

INDEX OF SHEETS

1	COMPOSITE TITLE SHEET
2	COMPOSITE INDEX OF SHEETS & VAOT STANDARDS
3-6	COMPOSITE QUANTITY SHEETS
7	COMPOSITE CONSTRUCTION APPROACH SIGNING SHEET

MONTPELIER STP 2905(1) U.S. ROUTE 2

8	TITLE SHEET
9	PROJECT TYPICAL SHEET
10-12	QUANTITY SHEETS
13	ITEM DETAIL SUMMARY SHEET
14	DRIVE DETAIL SHEET
15	DITCH CLEANING DETAIL SHEET
16-25	PROJECT LAYOUT SHEETS
26-31	TRAFFIC SIGN SUMMARY SHEETS
32-33	TRAFFIC SIGN DETAIL SHEETS
34	GUARDRAIL DETAIL SHEET
35	DRAINAGE & STRUCTURE INVENTORY & DETAIL SHEET
36	MISCELLANEOUS DETAIL SHEET

MONTPELIER NH 2901(1) MONTPELIER STATE HIGHWAY

37	TITLE SHEET
38	PROJECT TYPICAL SHEET
39-40	QUANTITY SHEETS
41	ITEM DETAIL SUMMARY SHEET
42-49	PROJECT LAYOUT SHEETS
50-53	TRAFFIC SIGN SUMMARY SHEETS
54-55	TRAFFIC SIGN DETAIL SHEETS
56-57	OVERHEAD TRAFFIC SIGN SUPPORT DETAIL SHEETS
58	VIDEO DETECTION SYSTEM SHEET
59-60	MISCELLANEOUS DETAIL SHEETS

MONTPELIER STP 2902(1) MONTPELIER JUNCTION STATE HIGHWAY

61	TITLE SHEET
62	PROJECT TYPICAL SHEET
63-65	QUANTITY SHEETS
66	ITEM DETAIL SUMMARY SHEET
67	DRIVE DETAIL SHEET
68	DITCH CLEANING DETAIL SHEET
69-75	PROJECT LAYOUT SHEETS
76-78	TRAFFIC SIGN SUMMARY SHEETS
79	MISCELLANEOUS DETAIL SHEET

VAOT STANDARDS

B-71	07-08-05
C-2A	10-14-05
C-3A	03-10-08
C-3B	03-10-08
C-10	02-11-08
D-6	06-01-94
D-8	01-03-00
D-9	06-01-94
D-15	06-01-94
D-16	06-01-94
E-100	01-02-04
E-100A	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-103	03-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	06-08-09
E-108	06-08-09
E-108A	06-08-09
E-110	08-08-95
E-120	08-08-95
E-121	08-08-95
E-123	03-16-04
E-130	08-08-95
E-131	08-08-95
E-134	08-08-95
E-136B	08-08-95
E-138	05-30-03
E-141	09-20-95
E-143	06-15-04
E-145A	12-23-94
E-145B	12-23-94
E-150	05-01-04
E-151	05-01-04
E-160	05-20-99
E-161	08-18-95
E-162	05-20-99
E-163	05-20-99
E-164	06-08-09
E-171A	08-09-95
E-171B	08-09-95
E-172	08-09-95
E-175	06-08-09
E-190	06-30-03
E-191	02-01-99
E-192	10-12-00
E-193	08-18-95
E-194	03-15-05
E-197	04-01-05
E-198	04-01-05
E-199	04-01-05
G-1	01-03-00
G-1d	01-03-00
G-19	11-15-02

NOT TO SCALE



COMPOSITE INDEX OF SHEETS & VAOT STANDARDS	PROJECT NAME: MONTPELIER
	PROJECT NUMBER: STP 2905(1), NH 2901(1), STP 2902(1)
FILE NAME: p10d116.dgn	PLOT DATE: 26-MAY-2011
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p10d116cind.i	SHEET 2 OF 79

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 1

MONTPELIER STP 2905 (I)				MONTPELIER NH 2901 (I)				MONTPELIER STP 2902 (I)				TOTALS		DESCRIPTIONS			
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
				35								35		CY	COMMON EXCAVATION	203.15	-
25				100				80				205		CY	EARTH BORROW	203.30	-
1				1				1				3		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N. A. B. I.)	204.22	-
32100				31000				13200				76300		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	-
				21								21		CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	-
220				285				130				635		TON	AGGREGATE SHOULDERS, RAP	402.13	-
133				130				55				318		CWT	EMULSIFIED ASPHALT	404.65	-
1				1				1				3		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N. A. B. I.)	406.50	-
3710				3630				1550				8890		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	-
1				1				1				3		LU	AIR VOIDS PAY ADJUSTMENT (N. A. B. I.)	490.31	-
1				1				1				3		LU	MAT DENSITY PAY ADJUSTMENT (N. A. B. I.)	490.32	-
1				1				1				3		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N. A. B. I.)	490.33	-
				1				1				2		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N. A. B. I.)	490.34	-
5				5				5				15		EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	-
18				19				3				40		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
5				4				1				10		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	-
8												8		EACH	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
169				45				45				259		HR	POWER GRADER RENTAL	608.15	-
169				45				45				259		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	-
28				15				15				58		HR	POWER BROOM RENTAL, TYPE I	608.30	-
48				25				25				98		HR	POWER BROOM RENTAL, TYPE II	608.31	-
88				25				25				138		HR	TRUCK RENTAL	608.37	-
48				25				25				98		HR	LOADER RENTAL, TYPE I	608.40	-
	10										15	25		CY	STONE FILL, TYPE I	613.10	-
				82								82		LF	GRANITE SLOPE EDGING	616.20	-
				1985				50				2035		LF	TREATED TIMBER CURB	616.35	-
				100								100		LF	REMOVAL OF EXISTING CURB	616.41	-
				1								1		TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	-
28				31				6				65		EACH	YIELDING MARKER POSTS	619.17	-
				5275				1375				6650		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-
5550												5550		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	-
25												25		LF	STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.207	-
1				12				3				16		EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-
6				4								10		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
5450				5450				900				11800		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-
9												9		EACH	ADJUST ELEVATION OF VALVE BOX	629.20	-
1160				740				500				2400		HR	UNIFORMED TRAFFIC OFFICERS	630.10	-

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(I), NH 2901(I), STP 2902(I)
FILE NAME: p10d116.dgn PLOT DATE: 26-MAY-2011
PROJECT LEADER: JLL DRAWN BY: STANTEC
DESIGNED BY: STANTEC CHECKED BY: STANTEC
IPARM FILE: p10d116cqs01.i SHEET 3 OF 79

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 2

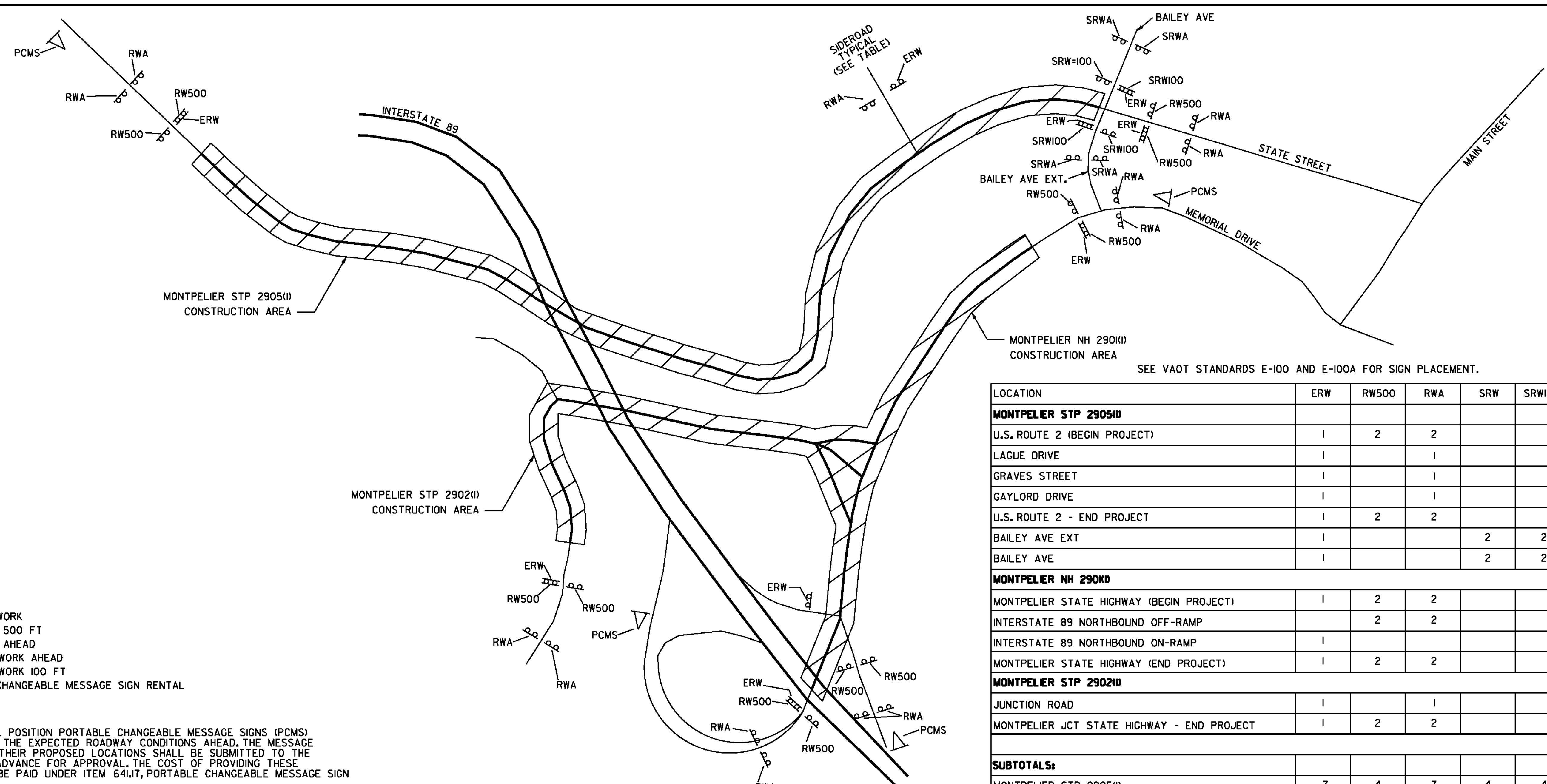
MONTPELIER STP 2905 (I)				MONTPELIER NH 2901 (I)				MONTPELIER STP 2902 (I)				TOTALS		DESCRIPTIONS			
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
3480				2220				1500				7200		HR	FLAGGERS	630.15	-
	0.4						0.3				0.3	1		LS	FIELD OFFICE, ENGINEERS	631.10	-
	0.4						0.3				0.3	1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-
	0.4						0.3				0.3	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
	1000						1000				1000	3000		DL	FIELD OFFICE TELEPHONE (N. A. B. I.)	631.26	-
0.4				0.3				0.3				1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-
1												1		LS	TRAFFIC CONTROL (STP 2905 (I))	641.10	-
				1								1		LS	TRAFFIC CONTROL (NH 2901 (I))	641.10	-
								1				1		LS	TRAFFIC CONTROL (STP 2902 (I))	641.10	-
0.4				0.3				0.3				1		LS	PUBLIC RELATIONS OFFICER	641.12	-
125				125				50				300		DAY	PORTABLE CHANGEABLE MESSAGE SIGN RENTAL	641.17	-
				11000				1230				12230		LF	DURABLE 4 INCH WHITE LINE, TYPE I TAPE	646.401	-
															BEGIN OPTION AA		
5600								6590				12190		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	-
5600								6590				12190		LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	-
5600								6590				12190		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	-
															END OPTION AA		
				8200				1230				9430		LF	DURABLE 4 INCH YELLOW LINE, TYPE I TAPE	646.411	-
															BEGIN OPTION BB		
17100								6550				23650		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	-
17100								6550				23650		LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	-
17100								6550				23650		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	-
															END OPTION BB		
															BEGIN OPTION CC		
12300												12300		LF	DURABLE 6 INCH WHITE LINE, THERMOPLASTIC	646.422	-
12300												12300		LF	DURABLE 6 INCH WHITE LINE, EPOXY PAINT	646.423	-
12300												12300		LF	DURABLE 6 INCH WHITE LINE, POLYUREA	646.424	-
															END OPTION CC		
				1620								1620		LF	DURABLE 8 INCH WHITE LINE, TYPE I TAPE	646.441	-
															BEGIN OPTION DD		
89												89		LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	-
89												89		LF	DURABLE 8 INCH WHITE LINE, EPOXY PAINT	646.443	-
89												89		LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	-
															END OPTION DD		
								50				50		LF	DURABLE 8 INCH YELLOW LINE, TYPE I TAPE	646.451	-
				135				20				155		LF	DURABLE 24 INCH STOP BAR, TYPE I TAPE	646.481	-

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(I), NH 2901(I), STP 2902(I)
FILE NAME: p10d116.dgn PLOT DATE: 26-MAY-2011
PROJECT LEADER: JLL DRAWN BY: STANTEC
DESIGNED BY: STANTEC CHECKED BY: STANTEC
IPARM FILE: p10d116cqs02.i SHEET 4 OF 79

COMPOSITE QUANTITY SHEET 3

MONTPELIER STP 2905 (1)				MONTPELIER NH 2901 (1)				MONTPELIER STP 2902 (1)				TOTALS		DESCRIPTIONS			
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
															BEGIN OPTION EE		
152								30				182		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	-
152								30				182		LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	-
152								30				182		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	-
															END OPTION EE		
				114				23				137		EACH	DURABLE LETTER OR SYMBOL, TYPE I TAPE	646.491	-
															BEGIN OPTION FF		
55								18				73		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
55								18				73		EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-
55								18				73		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
															END OPTION FF		
11060				21930				15600				48590		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	-
34090				16400				15550				66040		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	-
24530												24530		LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	-
180				3200								3380		LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	-
								100				100		LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	-
303				265				95				663		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	-
110				228				82				420		EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
970				520				490				1980		EACH	LINE STRIPING TARGETS	646.76	-
				620				350				970		LF	PAINTED CURB	646.81	-
				1470				510				1980		SF	PAINTED ISLAND	646.82	-
80									120			200		SY	GEOTEXTILE UNDER STONE FILL	649.31	-
80				80					80			240		LB	SEED	651.15	-
500				500					500			1500		LB	FERTILIZER	651.18	-
2				2					2			6		TON	AGRICULTURAL LIMESTONE	651.20	-
2				2					2			6		TON	HAY MULCH	651.25	-
50				50					50			150		CY	TOPSOIL	651.35	-
				220					100			750		SY	TEMPORARY EROSION MATTING	653.20	-
385				280				200				865		SF	TRAFFIC SIGNS, TYPE A	675.20	-
				460								460		SF	TRAFFIC SIGNS, TYPE B	675.21	-
115				165								280		LB	TUBULAR ALUMINUM SIGN POST	675.32	-
				155								155		LB	TUBULAR STEEL SIGN POST	675.33	-
940				440				470				1850		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-
				1								1		EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-
83				43				36				162		EACH	REMOVING SIGNS	675.50	-
12				1								13		EACH	ERECTING SALVAGED SIGNS	675.60	-
7				30				3				40		EACH	DELINEATOR WITH STEEL POST	676.10	-

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2905(1), NH 2901(1), STP 2902(1)
 FILE NAME: p10d116.dgn PLOT DATE: 26-MAY-2011
 PROJECT LEADER: JLL DRAWN BY: STANTEC
 DESIGNED BY: STANTEC CHECKED BY: STANTEC
 IPARM FILE: p10d116cqs03.i SHEET 5 OF 79



SEE VAOT STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.

- LEGEND**
- ERW = END ROAD WORK
 - RW500 = ROAD WORK 500 FT
 - RWA = ROAD WORK AHEAD
 - SRWA = SIDE ROAD WORK AHEAD
 - SRW100 = SIDE ROAD WORK 100 FT
 - PCMS = PORTABLE CHANGEABLE MESSAGE SIGN RENTAL

- NOTES:**
- THE CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED, AND THEIR PROPOSED LOCATIONS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER IN ADVANCE FOR APPROVAL. THE COST OF PROVIDING THESE MESSAGE SIGNS SHALL BE PAID UNDER ITEM 641.17, PORTABLE CHANGEABLE MESSAGE SIGN RENTAL.
 - THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE BUT IS NOT LIMITED TO ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED.
 - THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC DEVICES ARE ERECTED OR PLACED, OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.
 - SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
 - CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH PART 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 - CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
 - DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND. RETROREFLECTIVE SHEETING SHALL BE TYPE VII, TYPE VIII OR TYPE IX.
 - RETROREFLECTIVE SHEETING FOR REGULATORY SIGNS SHALL BE TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN THE SPECIAL PROVISIONS.

- CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.
- WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
- AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
- FOR LANE CLOSURES GREATER THAN 1/2 MILE LONG, PLACE ONE TYPE III BARRICADE ACROSS THE CLOSED LANE AT 1500 FOOT INTERVALS.

LOCATION	ERW	RW500	RWA	SRW	SRW100	SRW1000
MONTPELIER STP 2905(i)						
U.S. ROUTE 2 (BEGIN PROJECT)	1	2	2			1
LAGUE DRIVE	1		1			
GRAVES STREET	1		1			
GAYLORD DRIVE	1		1			
U.S. ROUTE 2 - END PROJECT	1	2	2			
BAILEY AVE EXT	1			2	2	
BAILEY AVE	1			2	2	
MONTPELIER NH 290(i)						
MONTPELIER STATE HIGHWAY (BEGIN PROJECT)	1	2	2			1
INTERSTATE 89 NORTHBOUND OFF-RAMP		2	2			1
INTERSTATE 89 NORTHBOUND ON-RAMP	1					
MONTPELIER STATE HIGHWAY (END PROJECT)	1	2	2			1
MONTPELIER STP 2902(i)						
JUNCTION ROAD	1		1			
MONTPELIER JCT STATE HIGHWAY - END PROJECT	1	2	2			
SUBTOTALS:						
MONTPELIER STP 2905(i)	7	4	7	4	4	1
MONTPELIER NH 290(i)	3	6	6			3
MONTPELIER STP 2902(i)	2	2	3			
TOTALS						
	12	12	16	4	4	4

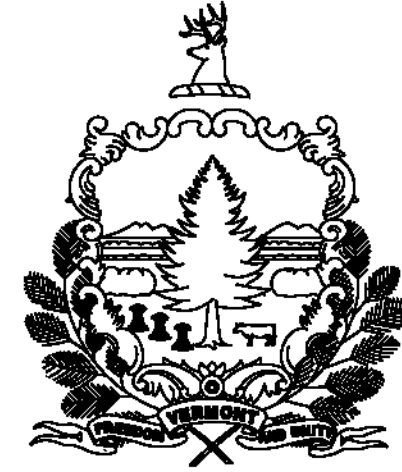
NOT TO SCALE



**COMPOSITE
CONSTRUCTION
APPROACH
SIGNING SHEET**

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2905(i), NH 290(i), STP 2902(i)
 FILE NAME: p10d116.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p10d116cttp.i
 PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 7 OF 79

STATE OF VERMONT AGENCY OF TRANSPORTATION

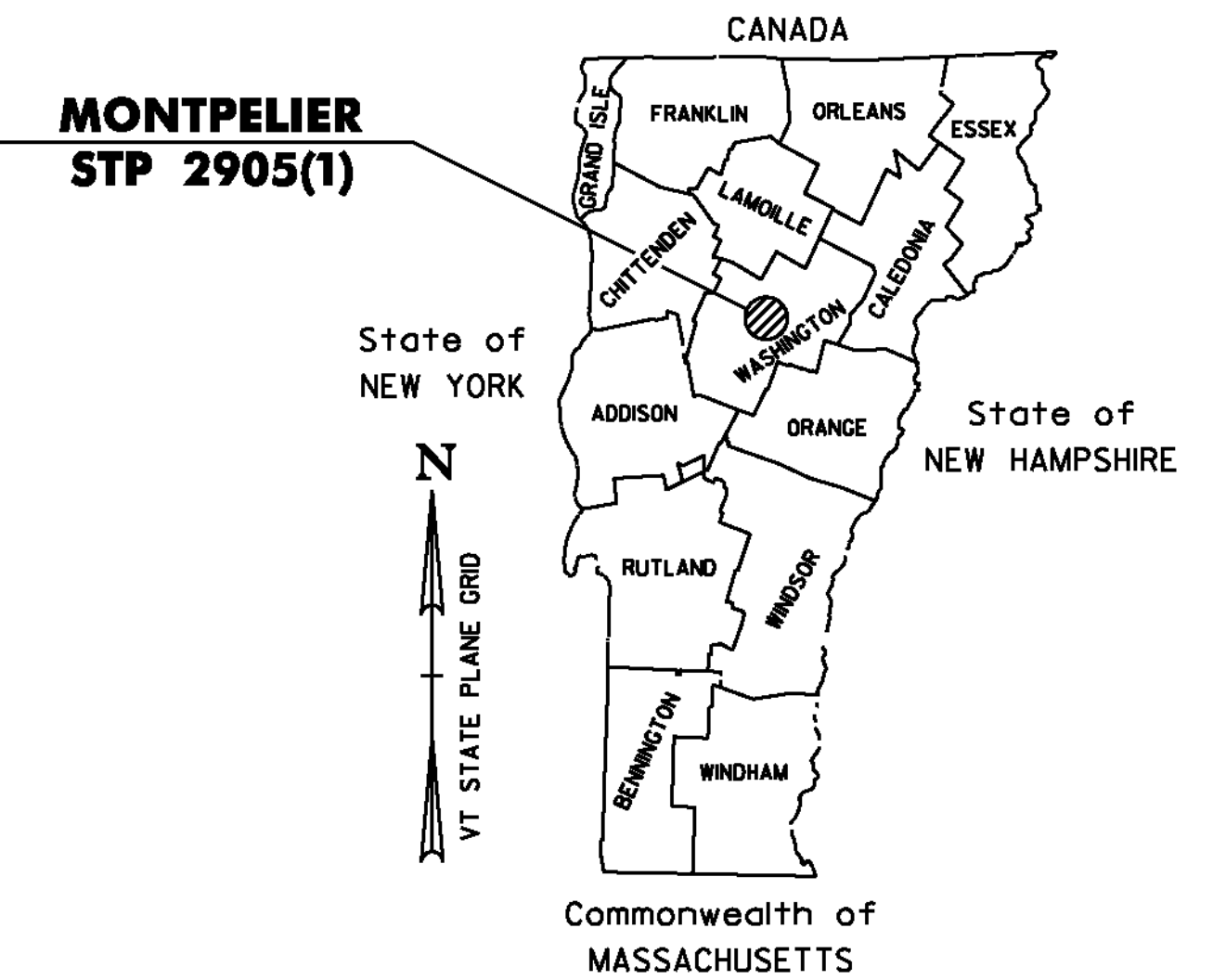


PROPOSED IMPROVEMENT CLASS 1 TOWN HIGHWAY CITY OF MONTPELIER COUNTY OF WASHINGTON U.S. ROUTE 2

BEGINNING IN THE CITY OF MONTPELIER ON U.S. ROUTE 2 AT STA. 0+00.00 (MM 0.000) AND EXTENDING EASTERLY ALONG U.S. ROUTE 2 FOR A DISTANCE OF 8,479.68 FEET (1.606 MILES) TO STA. 84+79.68 (MM 1.606).

PROJECT DATA:	LENGTH	LENGTH
CITY OF MONTPELIER	(FEET)	(MILES)
U.S. ROUTE 2		
STA. 0+00.00 TO 84+79.68	8479.68	
MM 0.000 TO 1.606		1.606
TOTAL LENGTH OF PROJECT:	8479.68	1.606
TOTAL LENGTH OF ROADWAY:	8479.68	1.606

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER INCIDENTAL ITEMS.



TRAFFIC DATA U.S. ROUTE 2

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011-2021	2011-2031
U.S. ROUTE 2						
BEGIN PROJECT MM 0.000 MM 0.177	2300	2300	300	300	289,000	622,000
MM 0.177 TO MM 1.606	4200	4300	520	530	361,000	841,000

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	420,500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND THE SPECIAL PROVISIONS

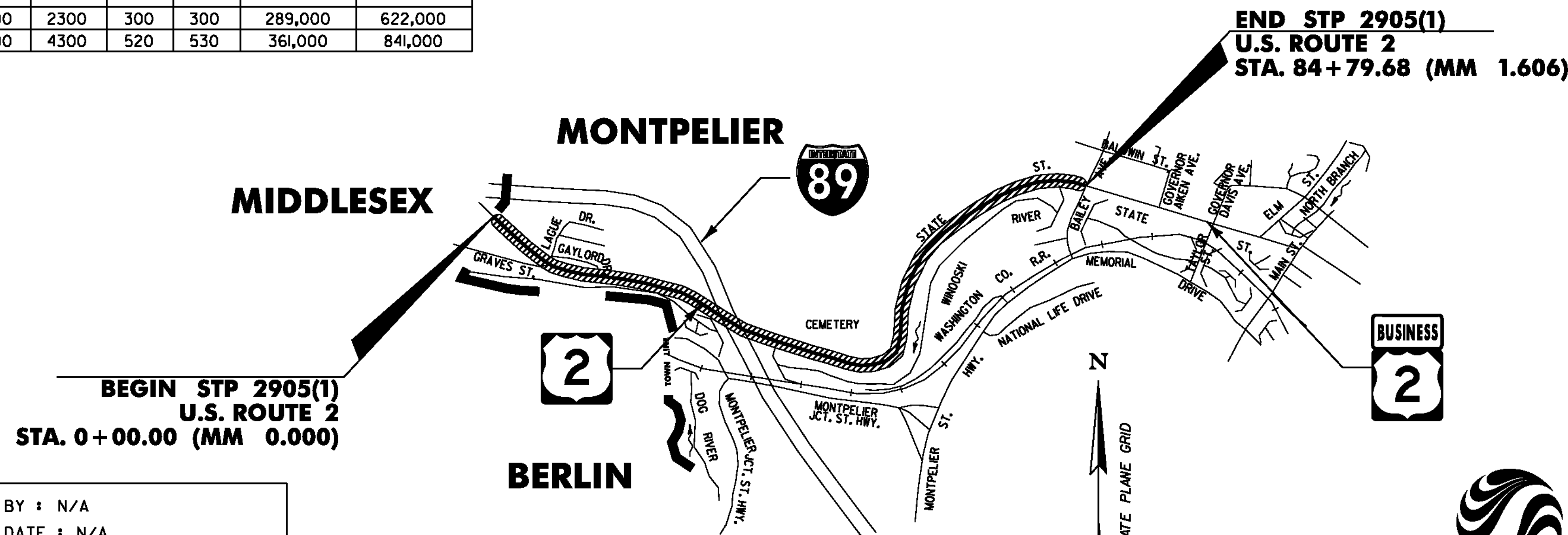
QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

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

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A



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 PURPOSES.

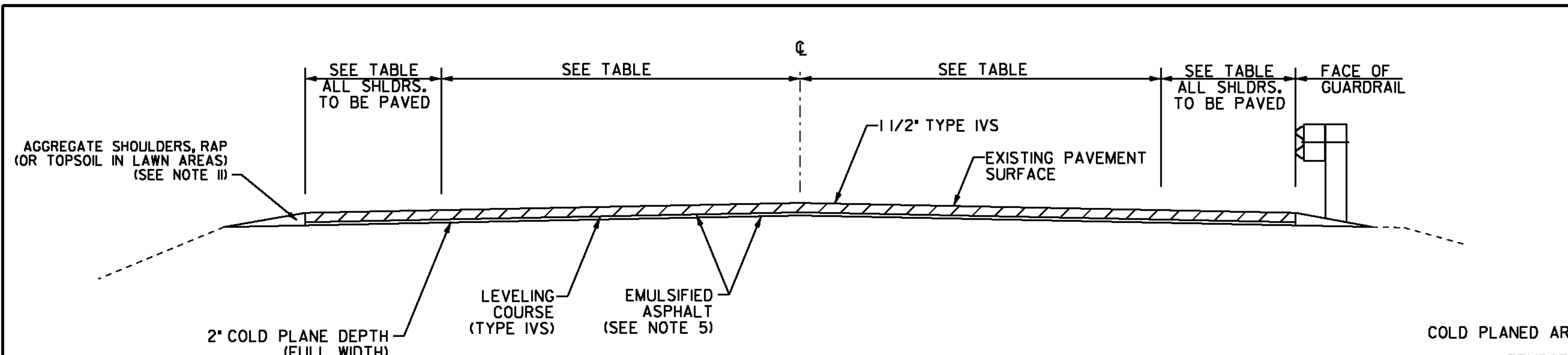
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN 'NOT TO SCALE'.

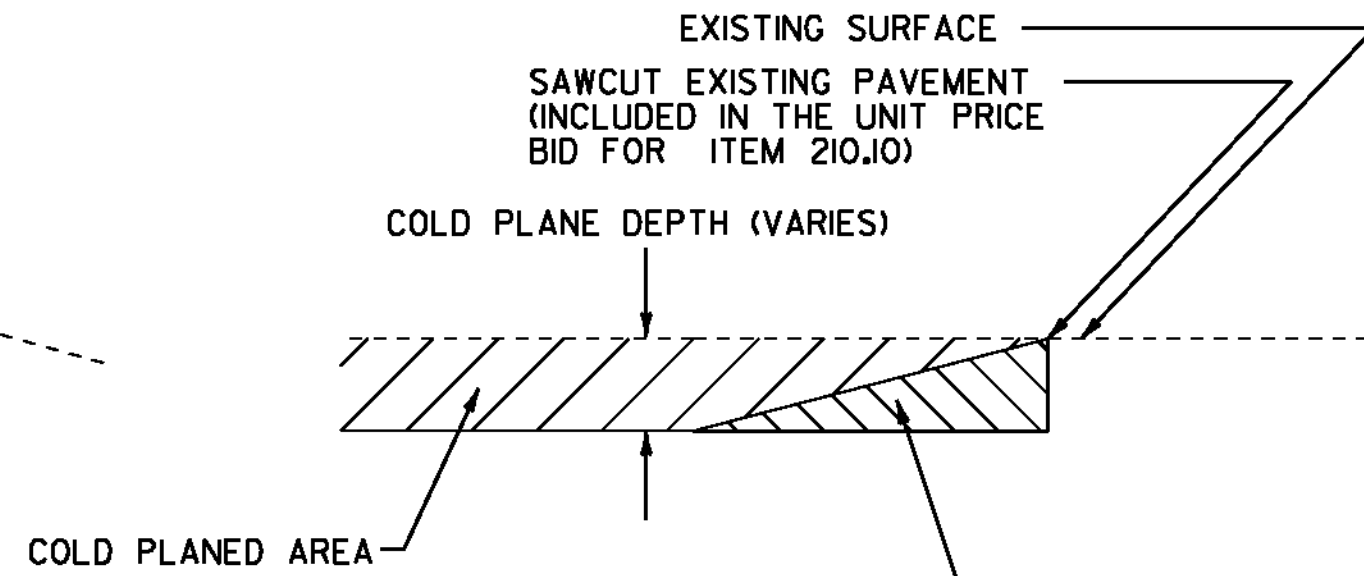
Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

PROJECT MANAGER : MICHAEL FOWLER
PROJECT NAME : MONTPELIER
PROJECT NUMBER : STP 2905 (1)
SHEET 8 OF 79 SHEETS



COLD PLANE TYPICAL SECTION - UNCURBED

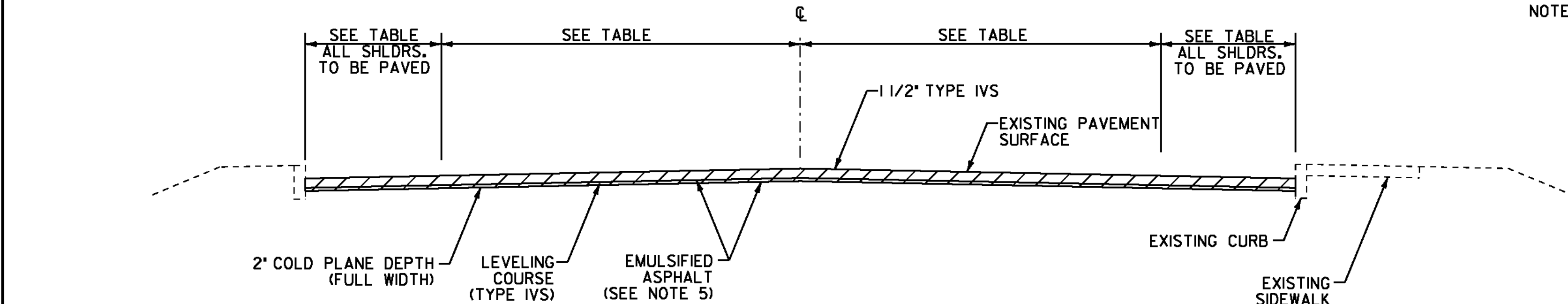
U.S. ROUTE 2 MONTPELIER STA. 0+00 TO 44+41



DETAIL AT VERTICAL COLD PLANE JOINTS

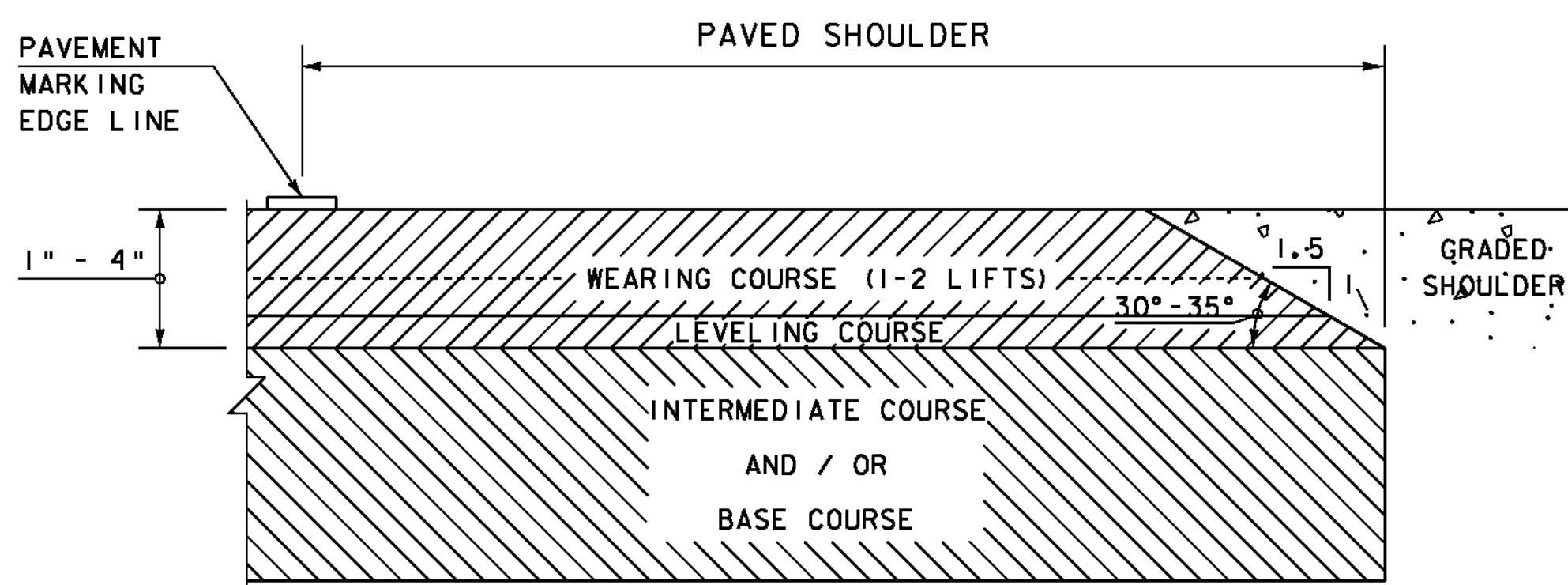
NOTE: THIS DETAIL SHALL BE USED AT THE LOCATIONS AND SIDE ROADS LISTED BELOW AS DIRECTED BY THE RESIDENT ENGINEER.

FULL ROADWAY WIDTH
 U.S. ROUTE 2
 STA. 0+00 (BEGIN PROJECT)
 STA. 8+16, LT (LAGUE DR)
 STA. 9+35, RT (GRAVES ST)
 STA. 14+05, LT (GAYLORD DR)
 STA. 84+79.68 (END PROJECT)



COLD PLANE TYPICAL SECTION - CURBED

U.S. ROUTE 2 MONTPELIER STA. 44+41 TO 84+79.68



SAFETY EDGE DETAIL

NOTE TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.

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.

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
U.S. ROUTE 2	0+00	7+40	2'-6" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	7+40	15+00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	15+00	21+85	1'-6" - 11'-0" - 11'-0" - 4'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	21+85	32+31	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	32+31	35+00	8'-6" - 11'-0" - 11'-0" - 9'-6"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	35+00	55+00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	55+00	79+41	4'-6" - 11'-0" - 11'-0" - 5'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	79+41	84+79.68	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS

NOTES

- THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
- EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON THIS SHEET.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON THIS SHEET.
- ALL PUBLIC, PRIVATE OR FIELD DRIVES SHALL RECEIVE A MINIMUM 4' PAVED APRON PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
- A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. DI'S IN DITCHES SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DI'S IN PAVED AREAS SHALL BE REHABILITATED AS SHOWN ON THE DRAINAGE & STRUCTURE INVENTORY & DETAIL SHEET. DRAINAGE STRUCTURES HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.40, 604.412, AND 604.415 FOR ESTIMATING PURPOSES.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
- ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP EDGES OF PAVEMENT.
- BETWEEN STA 0+00 AND 34+50, FOLLOWING THE COMPLETION OF THE FULL WIDTH 2" COLD PLANING AND PRIOR TO PLACEMENT OF THE LEVELING COURSE, ANY CRACKS AND SURFACE DEFORMATIONS REMAINING ON THE MILLED SURFACE WITH WIDTHS AND DEPTHS GREATER THAN ONE INCH SHALL BE PATCHED WITH BITUMINOUS CONCRETE PAVEMENT CONFORMING TO THE REQUIREMENTS OF PAY ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I). PRIOR TO PLACING THE PATCH MATERIAL THE CRACKS AND DEFORMATIONS SHALL BE THOROUGHLY CLEANED TO REMOVE ANY EXISTING SPALLED MATERIAL AND DEBRIS TO THE SATISFACTION OF THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK SHALL BE MADE UNDER PAY ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I).

NOT TO SCALE

PROJECT TYPICAL SHEET

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2905(1)

FILE NAME: pl0dl16.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p10dl116pts.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 9 OF 79



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES			
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS			
25				25	CY	EARTH BORROW	203.30	EST.			COLD PLANING - BITUMINOUS PAVEMENT			
1				1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N. A. B. I.)	204.22	EST.	30692	SY	MAINLINE - U.S. ROUTE 2			
32100				32100	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	365	1043	SY	SIDERoadS			
220				220	TON	AGGREGATE SHOULDERS, RAP	402.13	4	365	SY	ROUNDING			
133				133	CWT	EMULSIFIED ASPHALT	404.65	1.8	32100	SY	TOTAL			
1				1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N. A. B. I.)	406.50	EST.			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT			
3710				3710	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	35	2665	TON	MAINLINE - U.S ROUTE 2 WEARING COURSE (TYPE IVS)			
1				1	LU	AIR VOIDS PAY ADJUSTMENT (N. A. B. I.)	490.31	EST.	91	TON	SIDERoadS (TYPE IVS)			
1				1	LU	MAT DENSITY PAY ADJUSTMENT (N. A. B. I.)	490.32	EST.	919	TON	LEVELING (TYPE IVS)			
1				1	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N. A. B. I.)	490.33	EST.	35	TON	ROUNDING			
5				5	EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.	3710	TON	TOTAL			
18				18	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.						
5				5	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.						
8				8	EACH	CHANGING ELEVATION OF SEWER MANHOLES	604.42	EST.						
169				169	HR	POWER GRADER RENTAL	608.15	EST.						
169				169	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.						
28				28	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.						
48				48	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.						
88				88	HR	TRUCK RENTAL	608.37	EST.						
48				48	HR	LOADER RENTAL, TYPE I	608.40	EST.						
10				10	CY	STONE FILL, TYPE I	613.10	EST.						
28				28	EACH	YIELDING MARKER POSTS	619.17	-						
5550				5550	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	3						
25				25	LF	STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.207	-						
1				1	EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-						
6				6	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-						
5450				5450	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-						
9				9	EACH	ADJUST ELEVATION OF VALVE BOX	629.20	-						
1160				1160	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.						
3480				3480	HR	FLAGGERS	630.15	EST.						
			0.4	0.4	LS	FIELD OFFICE, ENGINEERS	631.10	-						
			0.4	0.4	LS	TESTING EQUIPMENT, CONCRETE	631.16	-						
			0.4	0.4	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-						
			1000	1000	DL	FIELD OFFICE TELEPHONE (N. A. B. I.)	631.26	-						
0.4				0.4	LS	MOBILIZATION/DEMOBILIZATION	635.11	-						
1				1	LS	TRAFFIC CONTROL (STP 2905 (I))	641.10	-						

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(I)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116qs01.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 10 OF 79

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES					TOTALS	DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS
0.4				0.4	LS	PUBLIC RELATIONS OFFICER	641.12	-			
125				125	DAY	PORTABLE CHANGEABLE MESSAGE SIGN RENTAL	641.17	EST.			
						BEGIN OPTION AA					
5600				5600	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	123			
5600				5600	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	123			
5600				5600	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	123			
						END OPTION AA					
						BEGIN OPTION BB					
17100				17100	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	224			
17100				17100	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	224			
17100				17100	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	224			
						END OPTION BB					
						BEGIN OPTION CC					
12300				12300	LF	DURABLE 6 INCH WHITE LINE, THERMOPLASTIC	646.422	158			
12300				12300	LF	DURABLE 6 INCH WHITE LINE, EPOXY PAINT	646.423	158			
12300				12300	LF	DURABLE 6 INCH WHITE LINE, POLYUREA	646.424	158			
						END OPTION CC					
						BEGIN OPTION DD					
89				89	LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	1			
89				89	LF	DURABLE 8 INCH WHITE LINE, EPOXY PAINT	646.443	1			
89				89	LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	1			
						END OPTION DD					
						BEGIN OPTION EE					
152				152	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	2			
152				152	LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	2			
152				152	LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	2			
						END OPTION EE					
						BEGIN OPTION FF					
55				55	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
55				55	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-			
55				55	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-			
						END OPTION FF					
11060				11060	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	105			
34090				34090	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	338			
24530				24530	LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	246			
180				180	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	4			
303				303	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	3			

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116qs02.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 11 OF 79

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES					TOTALS	DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS
	110			110	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			TEMPORARY EROSION MATTING
	970			970	EACH	LINE STRIPING TARGETS	646.76	11	191	SY	DITCHING
	80			80	SY	GEOTEXTILE UNDER STONE FILL	649.31	EST.	25	SY	GUARDRAIL MTS
	80			80	LB	SEED	651.15	EST.	4	SY	ROUNDING
	500			500	LB	FERTILIZER	651.18	EST.	220	SY	TOTAL
	2			2	TON	AGRICULTURAL LIMESTONE	651.20	EST.			
	2			2	TON	HAY MULCH	651.25	EST.			
	50			50	CY	TOPSOIL	651.35	EST.			
	220			220	SY	TEMPORARY EROSION MATTING	653.20	4			
	385			385	SF	TRAFFIC SIGNS, TYPE A	675.20	2.35			
	115			115	LB	TUBULAR ALUMINUM SIGN POST	675.32	4			
	940			940	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	10			
	83			83	EACH	REMOVING SIGNS	675.50	-			
	12			12	EACH	ERECTING SALVAGED SIGNS	675.60	-			
	7			7	EACH	DELINEATOR WITH STEEL POST	676.10	-			
	1			1	LU	PRICE ADJUSTMENT, FUEL (N. A. B. I.)	690.50	-			
		1		1	LU	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N. A. B. I.)	900.650	-			
	550			550	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	12			
	20			20	TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1)	900.680	EST.			

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116qs03.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 12 OF 79

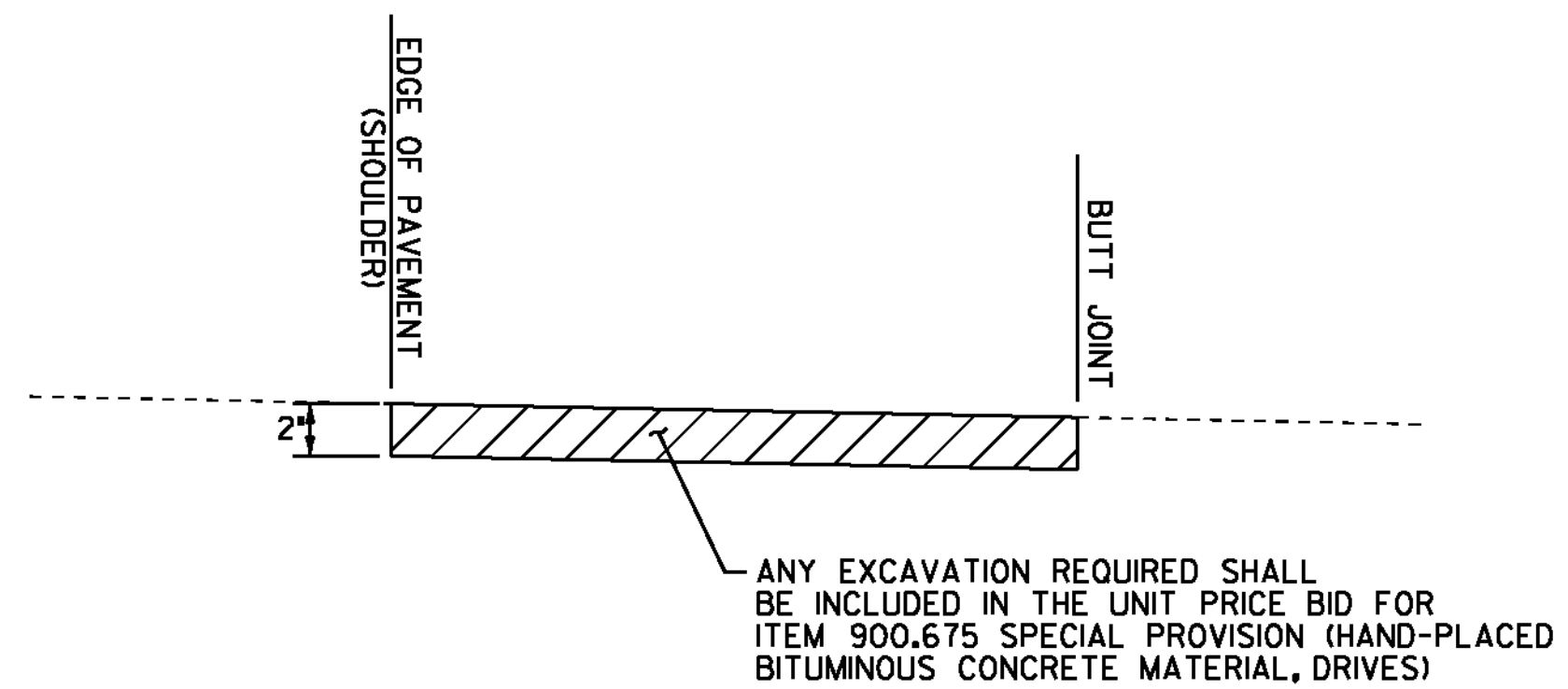
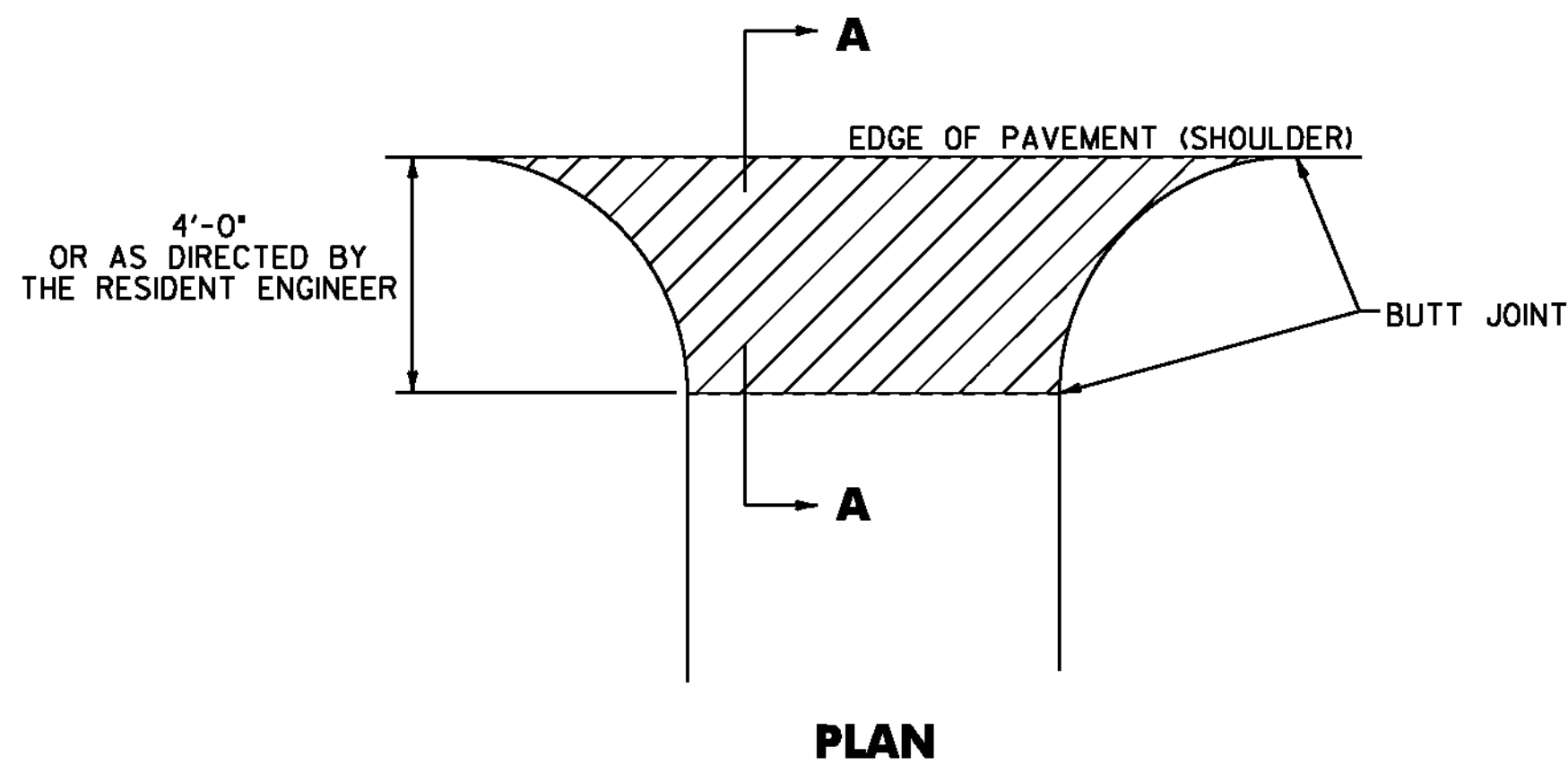
ITEM DETAIL SUMMARY SHEET

LOCATION			GUARDRAIL					MISCELLANEOUS								REMARKS	
BEGIN MILE STA.	END MILE STA.	POS.	621.205 S.B. G.R. GALV. W/8' POST	621.207 S.B. G.R. GLV./NST W/8' POST	621.50 MTS. FLARED	621.60 ANCHOR FOR S.B. RAIL	621.80 REMOVAL & DISPOSAL OF GUARDRAIL	203.30 EARTH BORROW	402.13 AGGREGATE SHOULDERS, RAP	604.40 CHAN ELEV OF DI, CB OR MH	604.412 REHAB DI, CB, OR MH, CLASS I	604.415 REHAB DI, CB, OR MH, CLASS II	604.42 CHANGING ELEV. OF SEWER MH	619.17 YIELDING MARKER POSTS	653.20 TEMP. EROSION MATTING		676.10 DELINEATOR WITH STEEL POST
			LF	LF	EACH	EACH	LF	CY	TON	EACH	EACH	EACH	EACH	EACH	SY		EACH
U.S ROUTE 2																	
0+00	84+79.68								216	5	18	5	8	28			QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE DRAINAGE & STRUCTURE INVENTORY & DETAIL SHEET.
0+00		RT			1		37.5	25							25	1	CONNECT TO EXISTING GUARDRAIL.
16+02.5	27+52.5	RT	1199			2	1062.5									2	INSTALL ANCHORS AT STA. 16+02.5, RT AND 27+52.5, RT. REFER TO GUARDRAIL DETAIL SHEET FOR REDUCED SPACING LOCATIONS.
26+41	27+53.5	LT	116.5			2	112.5									2	INSTALL ANCHORS AT STA. 26+41, LT AND 27+53.5, LT.
37+03.5	79+41	RT	4231.5	25		2	4237.5									2	INSTALL ANCHORS AT STA. 37+03.5, RT AND 79+41RT. REFER TO GUARDRAIL DETAIL SHEET FOR REDUCED POST SPACING LOCATIONS. INSTALL STEEL BEAM GUARDRAIL GALVANIZED/NESTED FROM STA. 79+03.5 TO 79+28.5, RT, SEE GUARDRAIL DETAIL SHEET.
SHEET SUBTOTALS:			5547	25	1	6	5450	25	216	5	18	5	8	28	25	7	
ROUNDING			3	-	-	-	-	-	4	-	-	-	-	-	-	-	
TOTAL			5550	25	1	6	5450	25	220	5	18	5	8	28	25*	7	

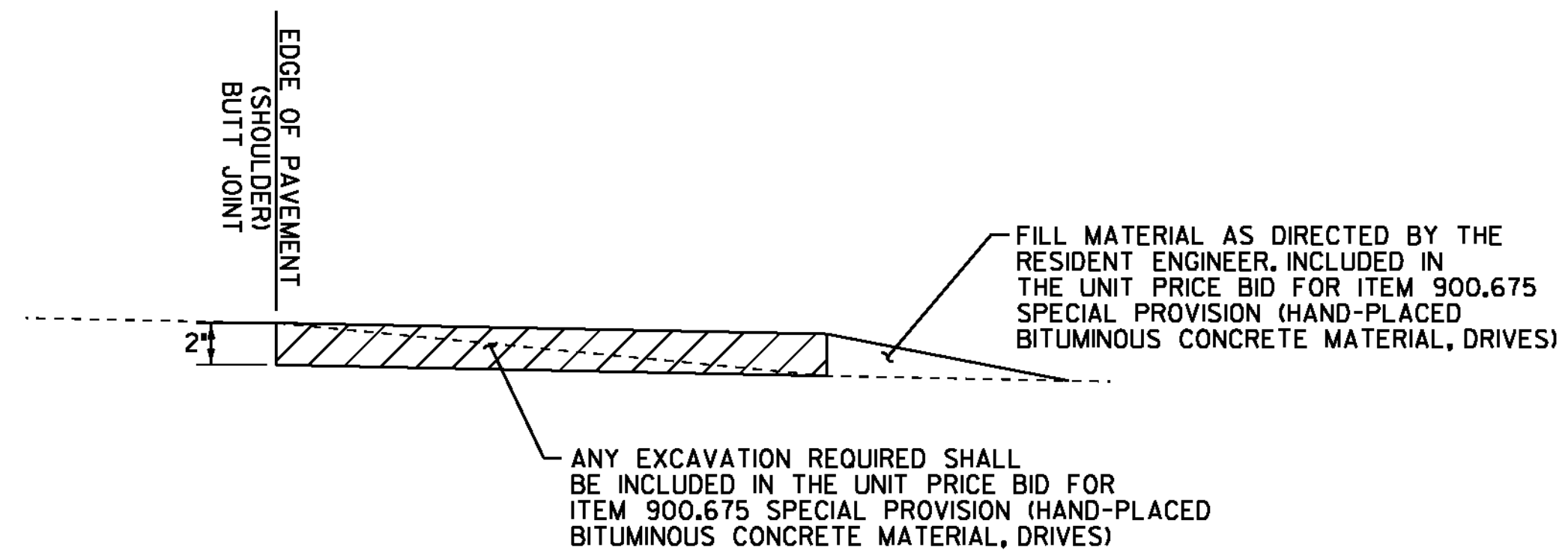
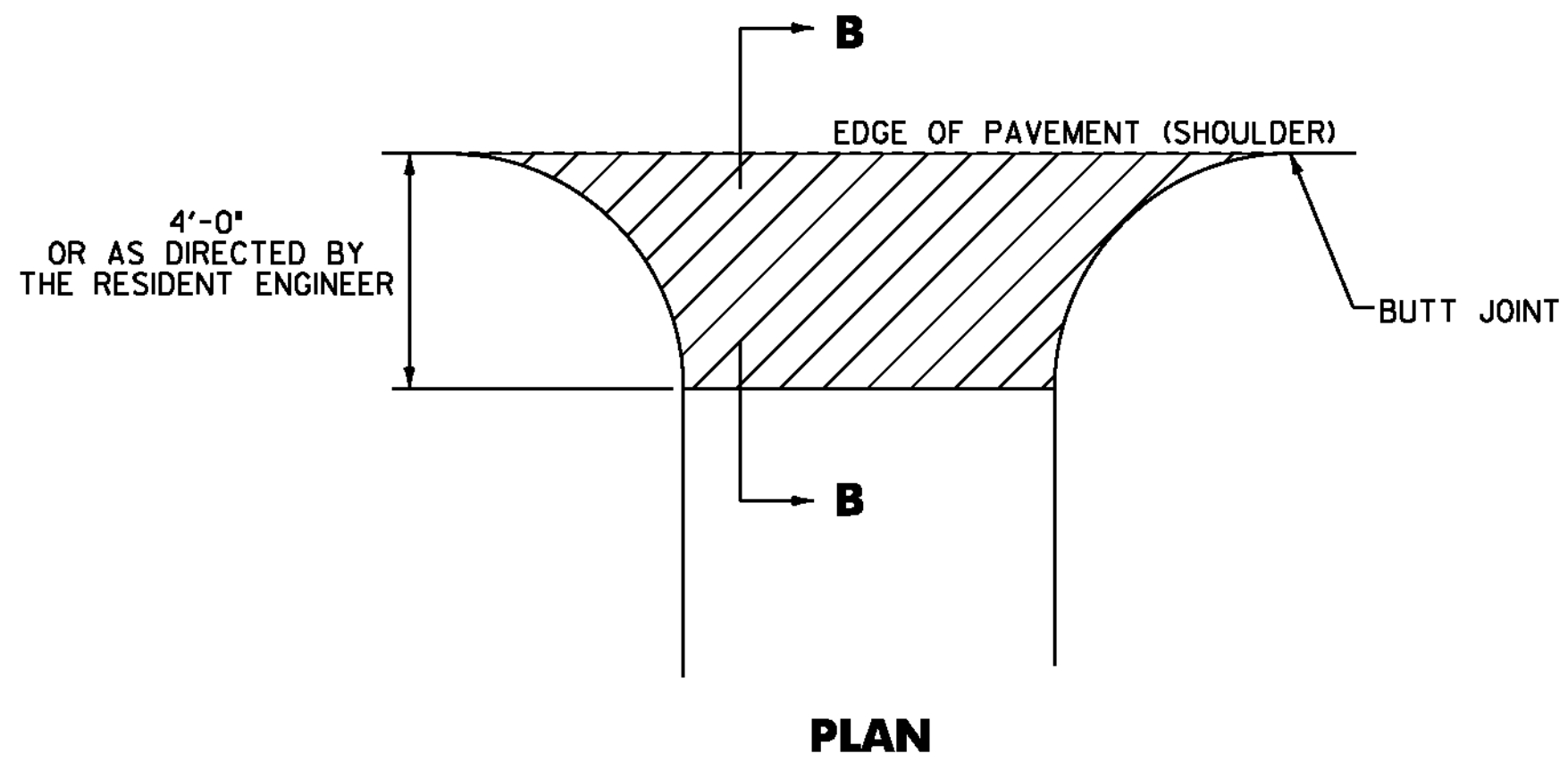
*THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS.

ITEM DETAIL SUMMARY SHEET

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: STP 2905(1)	DRAWN BY: STANTEC
FILE NAME: p10d116.dgn	CHECKED BY: STANTEC
DESIGNED BY: STANTEC	SHEET 13 OF 79
IPARM FILE: p10d116dss.i	



SECTION A-A
HANDWORK DETAILS FOR PAVED DRIVES



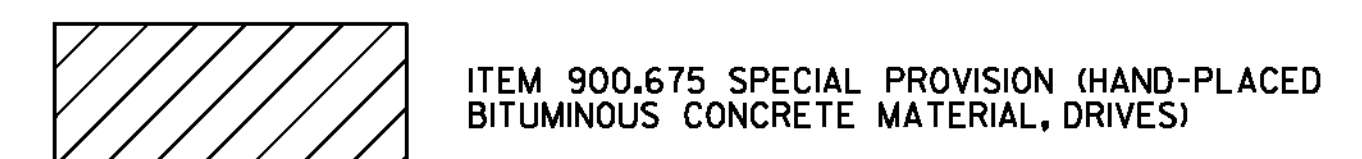
SECTION B-B
HANDWORK DETAILS FOR GRAVEL DRIVES

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 2		
7+68	LT	9
8+97	RT	32
9+67	LT	9
9+93 - 15+53	RT	249
11+06	LT	10
12+15	LT	10
14+60	LT	5
15+59	LT	10
16+03	LT	12
16+78	LT	11
17+87	LT	17
19+22	LT	22
21+98	LT	9
30+91	LT	6
33+12	RT	10
33+16	LT	18
36+00	RT	16
40+37	LT	14
44+12	LT	10
55+92	LT	8
79+52	RT	13
81+32	RT	19
82+31	RT	19
SUBTOTAL		538
ROUNDING		12
TOTAL		550

NOTES:

- PAVING LIFT SHALL BE A MINIMUM OF 1 1/2" AND A MAXIMUM OF 2".
- THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
- EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND



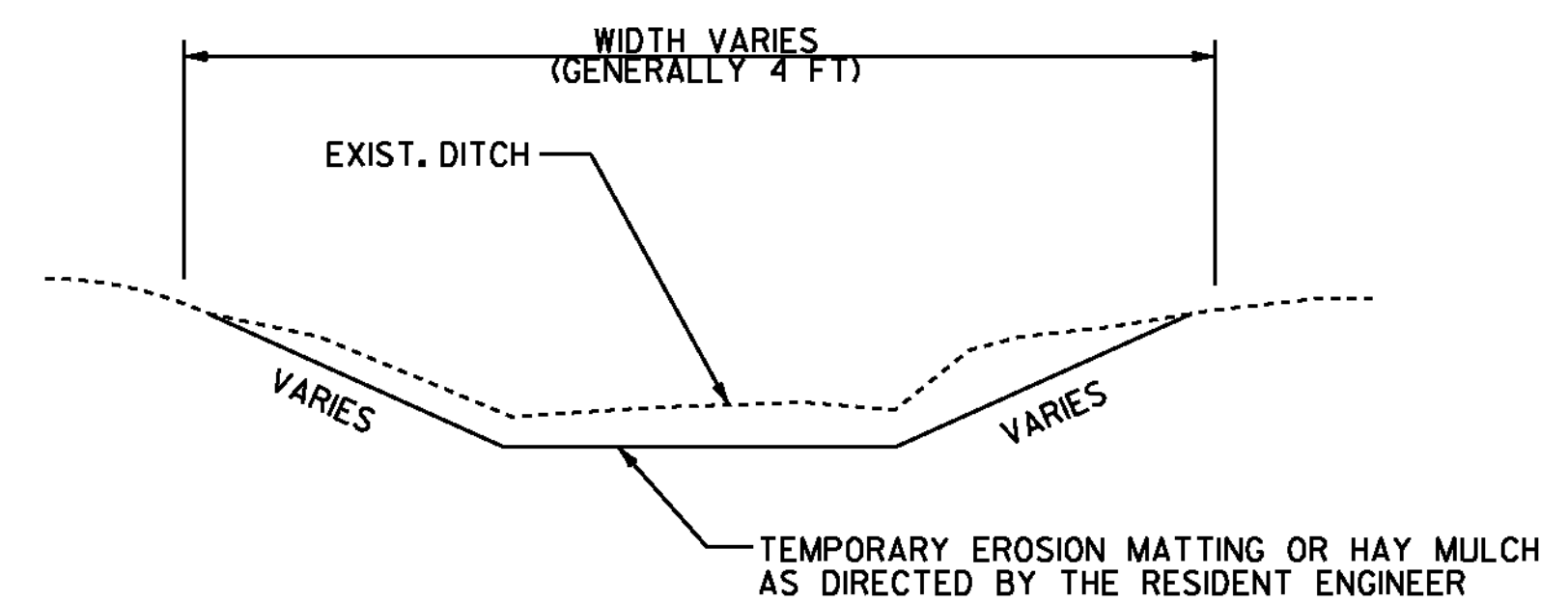
NOT TO SCALE

DRIVE DETAIL SHEET	PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
	PROJECT NUMBER: STP 2905(1)	DRAWN BY: STANTEC
	FILE NAME: p10d116.dgn	CHECKED BY: STANTEC
	PROJECT LEADER: JLL	SHEET 14 OF 79
	DESIGNED BY: STANTEC	
	IPARM FILE: p10d116ds.i	

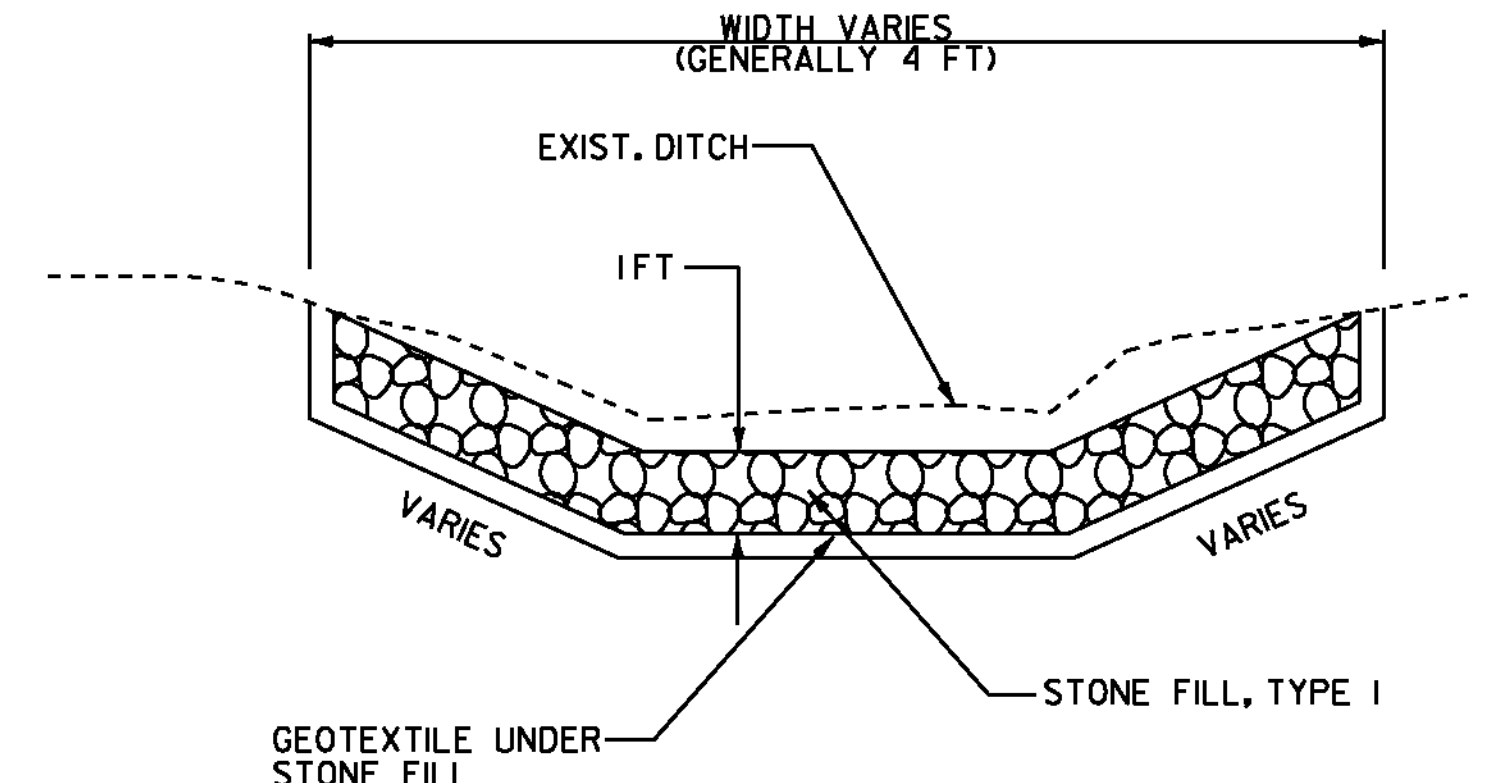
LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				REMARKS	LOCATION				FEET OF DITCHING				MISCELLANEOUS ITEMS				REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				STONE FILL, TYPE I CY	GEOT. UNDER STONE FILL SY	SEED LB	TEMP. EROS. MATT. SY		SITE	STATION	STATION	POS.	PERCENT GRADE				STONE FILL, TYPE I CY	GEOT. UNDER STONE FILL SY	SEED LB	TEMP. EROS. MATT. SY	
				0-1	1-2.5	2.5-10	>10										0-1	1-2.5	2.5-10	>10					
MONTPELIER U.S. ROUTE 2																									
I	22+00	26+30	LT	430				10	80	4	191	AS DIRECTED BY THE RESIDENT ENGINEER													
TOTALS				430				10	80	4	191*														

SEED QUANTITY INCLUDED IN TOTAL SHOWN ON QUANTITY SHEET.

*THESE TOTALS ARE CARRIED FORWARD TO THE DETAILED SUMMARY OF QUANTITIES ON THE QUANTITY SHEETS.



DITCH DETAIL < 2.5 PERCENT
NOT TO SCALE



DITCH DETAIL > 2.5 PERCENT
NOT TO SCALE

STONE DITCH DETAIL

NOTES:

- PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS IDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
- ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING AND SEED HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ESTIMATED QUANTITIES OF STONE FILL TYPE I AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED. STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE 2.5 PERCENT OR GREATER 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.

NOT TO SCALE

DITCH CLEANING DETAIL SHEET

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: STP 2905(1)	DRAWN BY: STANTEC
FILE NAME: p10d116.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 15 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p10d116dcs.i	



621.50 MANUFACTURED TERMINAL SECTION, FLARED
 STA. 0+00.0, RT
 621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 0+00.0, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

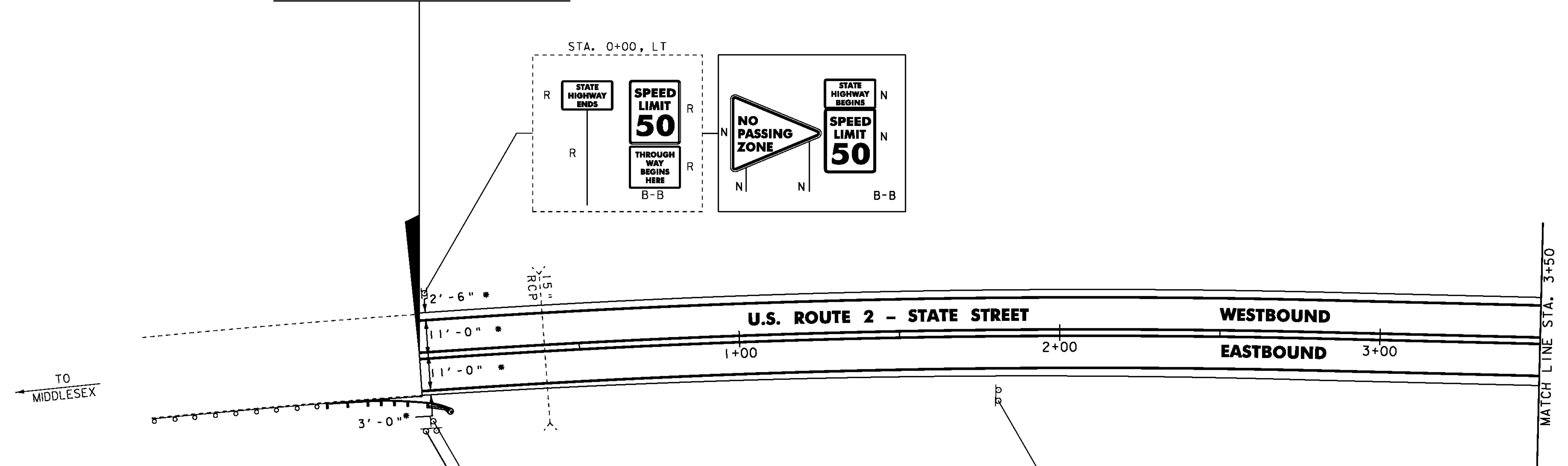
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 7

**BEGIN STP 2905(1) U.S. ROUTE 2
 STA. 0+00.00 = MM 0.000**



* MATCH EXISTING PAVEMENT MARKINGS

- GENERAL LEGEND**
- = EXISTING MAILBOX
 - = EXISTING GUARDRAIL
 - = PROPOSED GUARDRAIL
 - = EXISTING LIGHT POLE
 - = EXISTING HYDRANT
 - = EXISTING DI
 - = EXISTING SEWER MANHOLE
 - = EXISTING WATER SHUTOFF
 - = EXISTING UTILITY POLE
 - = EXISTING SIGNAL HEAD
 - = EXISTING CONTROLLER

- SIGN LEGEND**
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE SIGN
 - RET = RETAIN
 - B-B = BACK TO BACK

NOT TO SCALE

NOTE: ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.



PROJECT LAYOUT SHEET #1

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: STP 2905(1)	DRAWN BY: STANTEC
FILE NAME: pl0dl16.dgn	CHECKED BY: STANTEC
DESIGNED BY: STANTEC	SHEET 16 OF 79
IPARM FILE: p10d116101.i	

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 9+43, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT
STA. 8+16, DOUBLE SOLID LT (LAGUE DR)
STA. 9+35, DOUBLE SOLID RT (GRAVES ST)
STA. 8+25 TO 9+44, RT (DIAGONALS)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT
STA. 8+16, DOUBLE SOLID LT (LAGUE DR)
STA. 9+35, DOUBLE SOLID RT (GRAVES ST)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
STA. 8+16, LT (LAGUE DR)
STA. 9+35, RT (GRAVES ST) (RXR)
STA. 9+35, RT (GRAVES ST) (RXR)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 8+16, LT "STOP" (LAGUE DR)
STA. 9+35, RT "STOP" (GRAVES ST)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT
STA. 8+16, DOUBLE SOLID LT (LAGUE DR)
STA. 9+35, DOUBLE SOLID RT (GRAVES ST)
STA. 8+25 TO 9+44, RT (DIAGONALS)

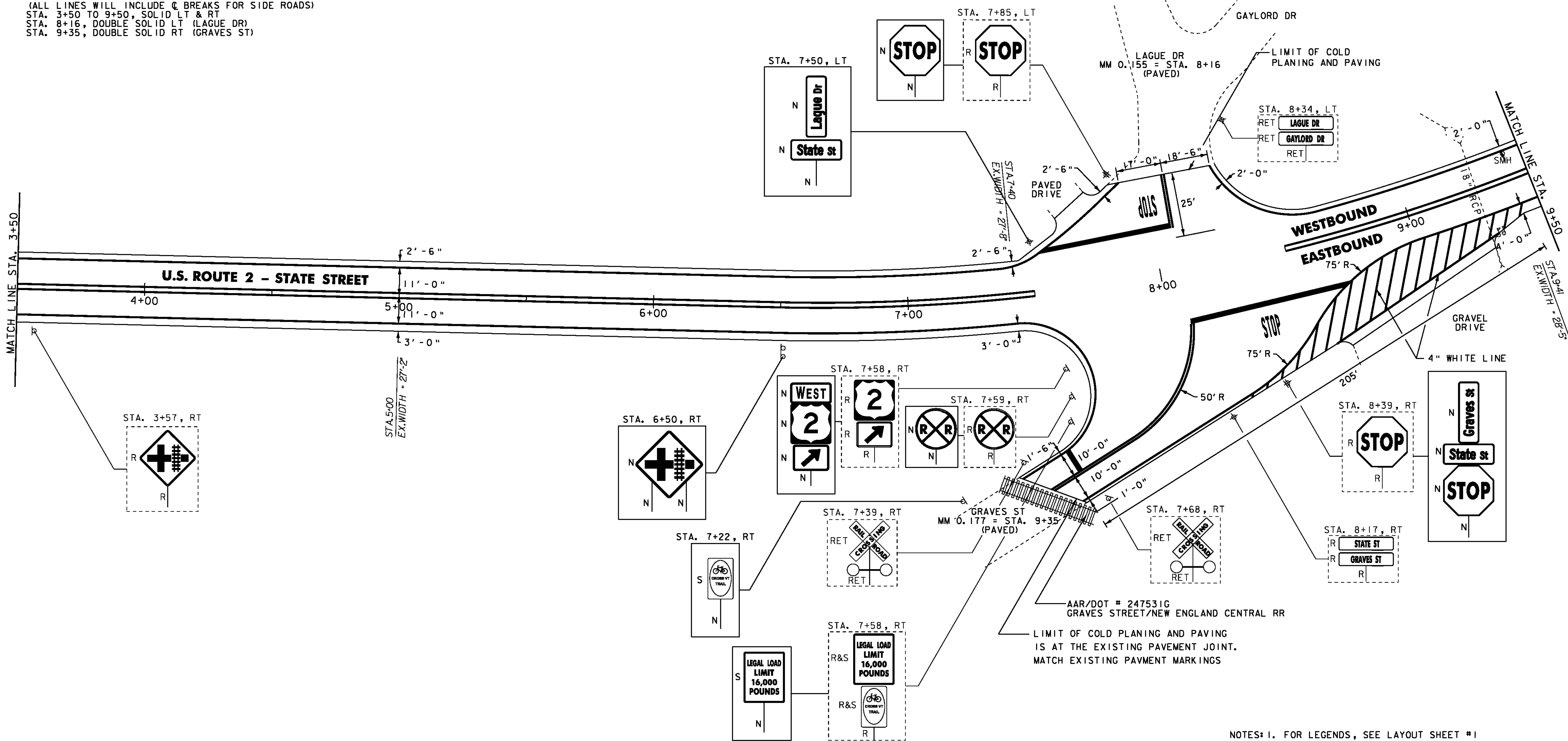
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT
STA. 8+16, DOUBLE SOLID LT (LAGUE DR)
STA. 9+35, DOUBLE SOLID RT (GRAVES ST)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 8+16, LT (LAGUE DR)
STA. 9+35, RT (GRAVES ST)
STA. 9+35, RT (GRAVES ST) (RXR)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 8+16, LT "STOP" (LAGUE DR)
STA. 9+35, RT "STOP" (GRAVES ST)

675.50 REMOVING SIGNS
AS SHOWN - 10

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116102.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 79



604.42 CHANGING ELEVATION OF SEWER MANHOLES
 STA. 12+35, LT
 STA. 14+00, LT

629.20 ADJUST ELEVATION OF VALVE BOX
 STA. 14+21, RT
 STA. 15+14, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

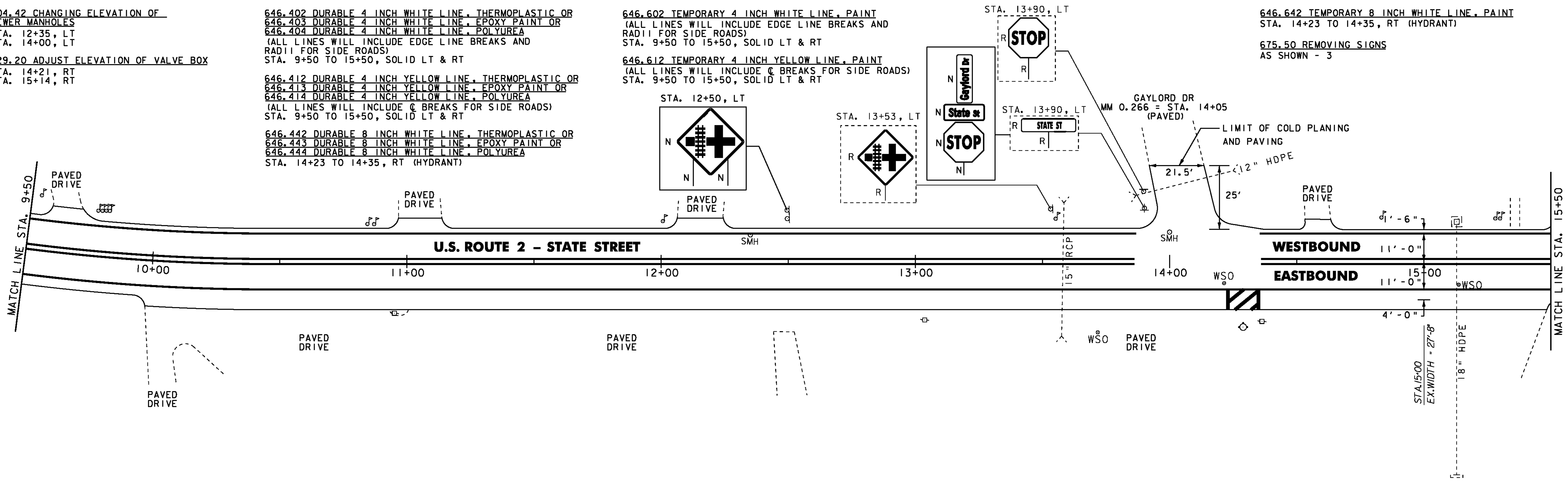
646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
 646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR
 646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
 STA. 14+23 TO 14+35, RT (HYDRANT)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
 STA. 14+23 TO 14+35, RT (HYDRANT)

675.50 REMOVING SIGNS
 AS SHOWN - 3



604.412 OR 604.415 REHAB. DIS, CBS OR MHS, CLASS I OR II
 STA. 19+30, LT
 STA. 21+30, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 STA. 16+01, LT

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 STA. 16+02.5 TO 21+50.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
 STA. 16+02.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 16+65 TO 21+50, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS)
 STA. 15+50 TO 21+50, SOLID LT & RT

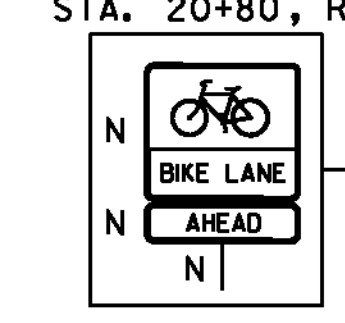
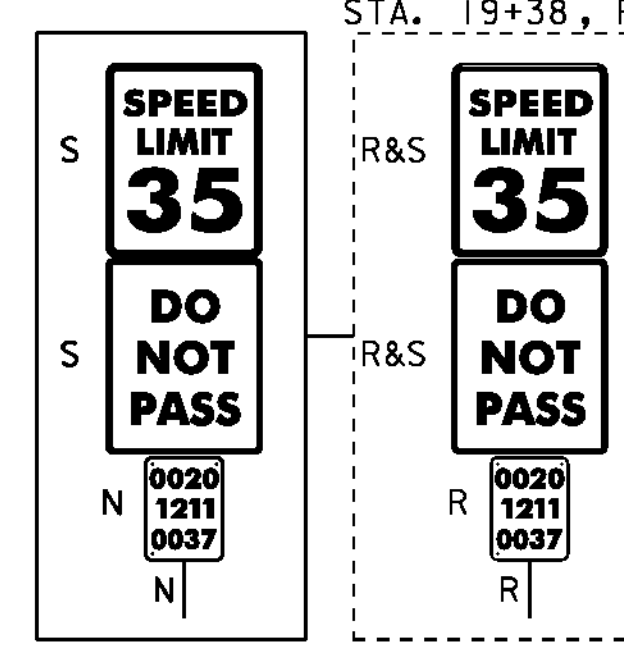
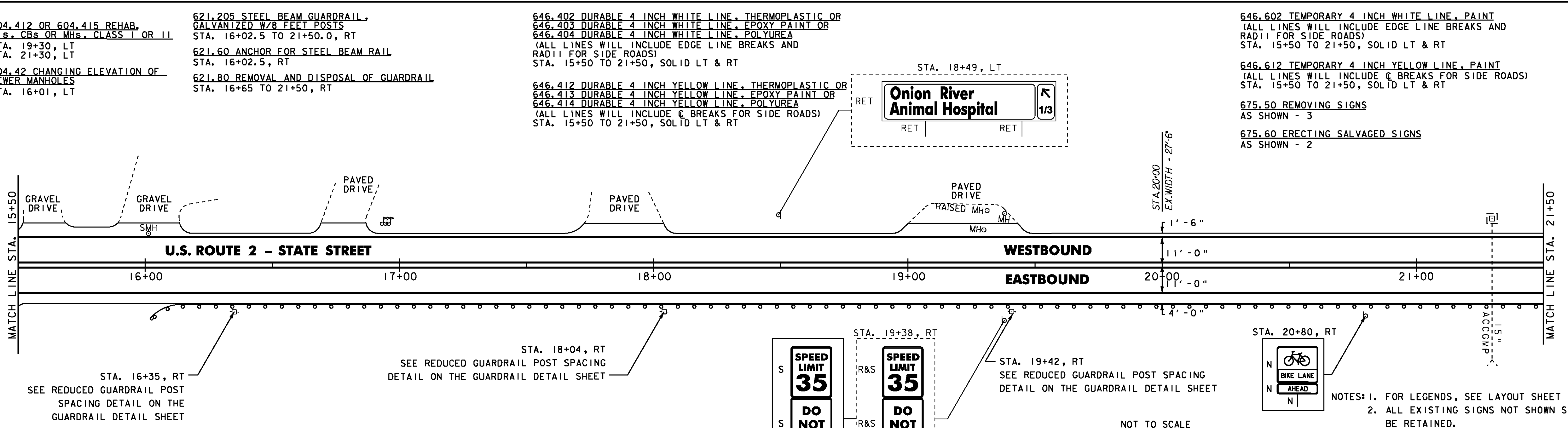
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 15+50 TO 21+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS)
 STA. 15+50 TO 21+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 15+50 TO 21+50, SOLID LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 2



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #3



PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2905(I)

FILE NAME: pl0dl16.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p10d116103.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 18 OF 79

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 21+50.0 TO 27+50.0, RT
STA. 26+41.0 TO 27+50.0, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 26+41.0, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 21+50 TO 27+27.5, RT
STA. 26+41 TO 27+50, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 21+50 TO 22+25, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 22+25 TO 27+50, SOLID LT & RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 22+28, RT - BIKE LANE SYMBOL
STA. 22+40, RT - BIKE LANE ARROW
STA. 26+81, LT - BIKE LANE ARROW
STA. 26+93, LT - BIKE LANE SYMBOL

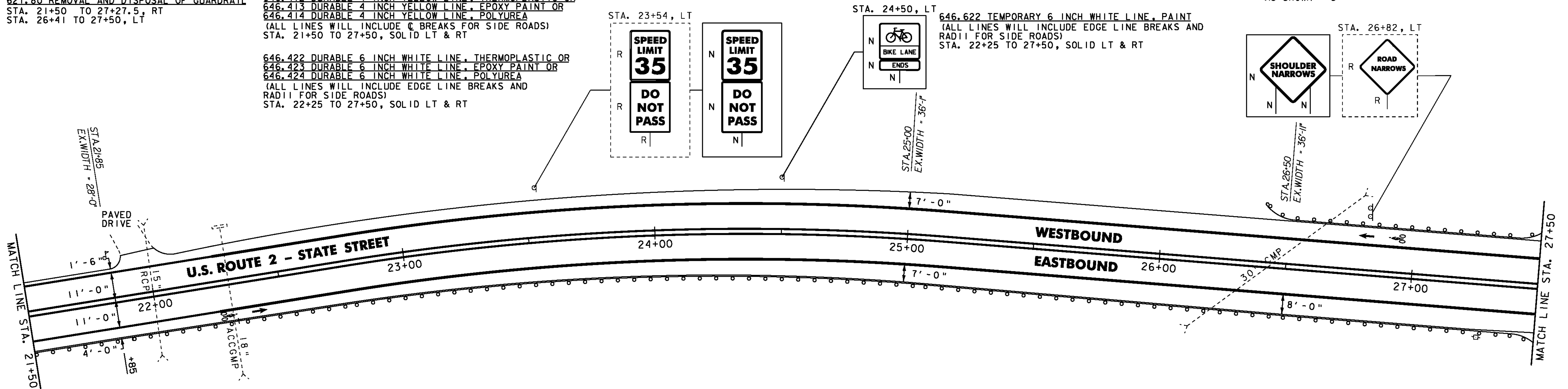
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 21+50 TO 22+25, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 21+50 TO 22+25, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 22+25 TO 27+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 22+28, RT - BIKE LANE SYMBOL
STA. 22+40, RT - BIKE LANE ARROW
STA. 26+81, LT - BIKE LANE ARROW
STA. 26+93, LT - BIKE LANE SYMBOL

675.50 REMOVING SIGNS
AS SHOWN - 3



621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 27+50.0 TO 27+52.5, RT
STA. 27+50.0 TO 27+53.5, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 27+52.5, RT
STA. 27+53.5, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 27+50 TO 27+53.5, LT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

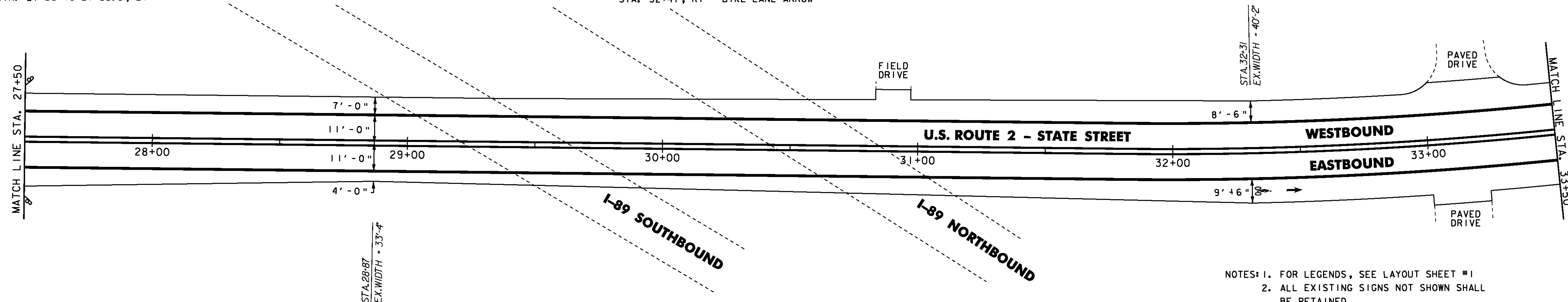
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 32+35, RT - BIKE LANE SYMBOL
STA. 32+47, RT - BIKE LANE ARROW

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 32+35, RT - BIKE LANE SYMBOL
STA. 32+47, RT - BIKE LANE ARROW



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #4**



PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10dl116104.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 79

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 37+03.5 TO 39+50.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 37+03.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 37+03.5 TO 39+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT

646.492 DURABLE 6 INCH LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE 6 INCH LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE 6 INCH LETTER OR SYMBOL, POLYUREA
STA. 36+84, LT - BIKE LANE ARROW
STA. 36+96, LT - BIKE LANE SYMBOL

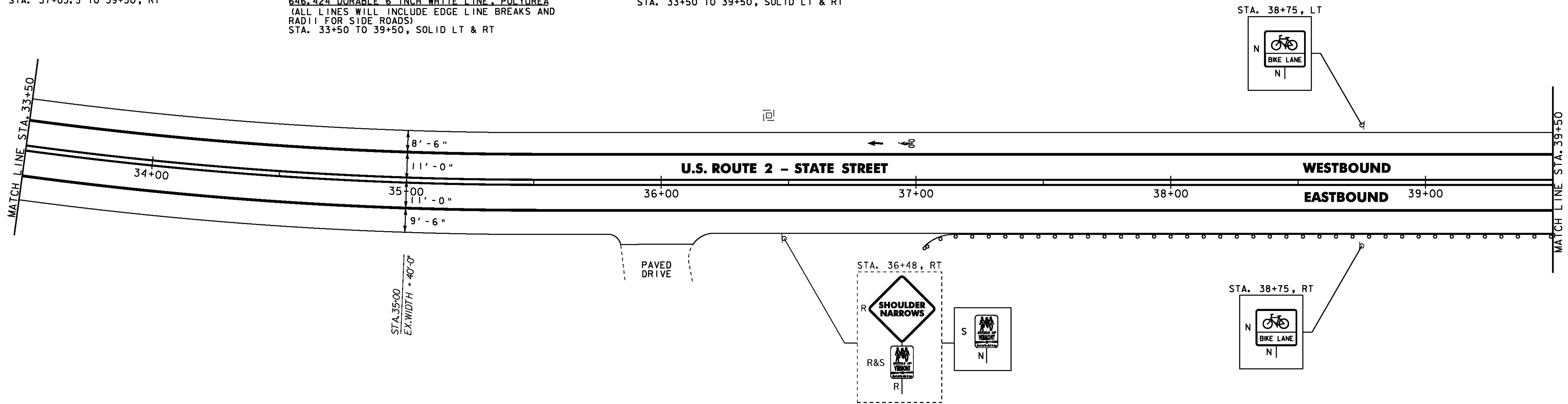
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 36+84, LT - BIKE LANE ARROW
STA. 36+96, LT - BIKE LANE SYMBOL

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



604.412 OR 604.415 REHAB.
Dis. CBS OR MHS. CLASS I OR II
STA. 44+45, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 39+50.0 TO 45+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 39+50 TO 45+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 42+25, RT - BIKE LANE SYMBOL
STA. 42+37, RT - BIKE LANE ARROW

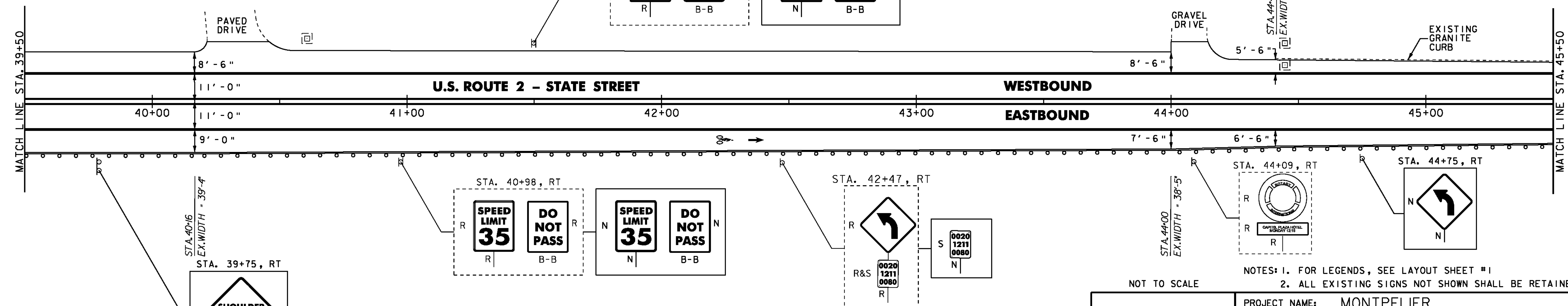
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 42+25, RT - BIKE LANE SYMBOL
STA. 42+37, RT - BIKE LANE ARROW

675.50 REMOVING SIGNS
AS SHOWN - 8

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOT TO SCALE

NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

PROJECT LAYOUT SHEET #5



PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)
FILE NAME: pl0dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116105.i
PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 20 OF 79

604.412 OR 604.415 REHAB.
DIS. CBS OR MHS. CLASS I OR II
STA. 45+93, LT
STA. 47+94, LT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 50+70, LT
STA. 50+72, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 45+50.0 TO 51+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 45+50 TO 51+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR
646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
STA. 47+03 TO 47+15, LT (HYDRANT)

646.492 DURABLE LETTER OR SYMBOL OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 46+19, LT - BIKE LANE ARROW
STA. 46+31, LT - BIKE LANE SYMBOL

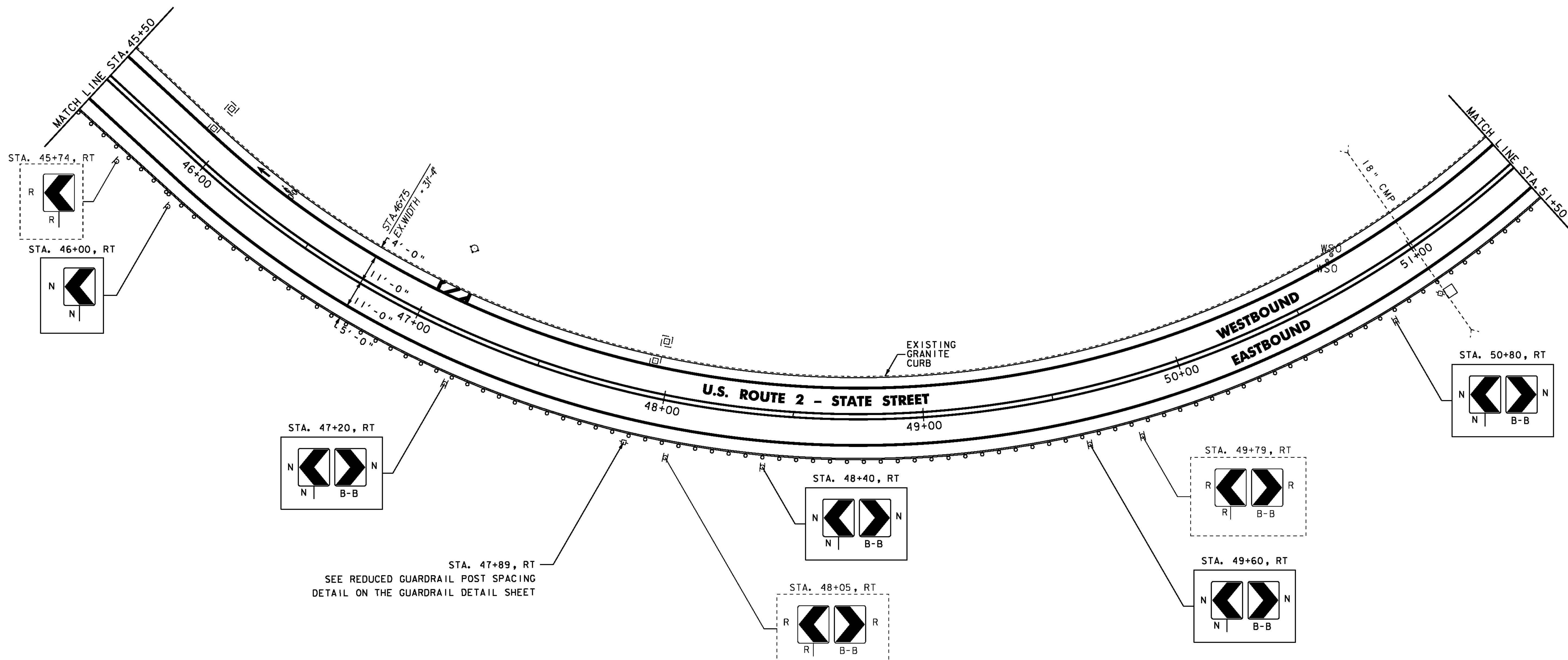
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 47+03 TO 47+15, LT (HYDRANT)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 46+19, LT - BIKE LANE ARROW
STA. 46+31, LT - BIKE LANE SYMBOL

675.50 REMOVING SIGNS
AS SHOWN - 5



STA. 47+89, RT
SEE REDUCED GUARDRAIL POST SPACING
DETAIL ON THE GUARDRAIL DETAIL SHEET

NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #6**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: pl0dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116106.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 21 OF 79



604.412 OR 604.415 REHAB.
Dis. CBS OR MHS. CLASS T OR II
STA. 53+61, LT
STA. 56+06, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 51+50.0 TO 57+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 51+50 TO 57+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

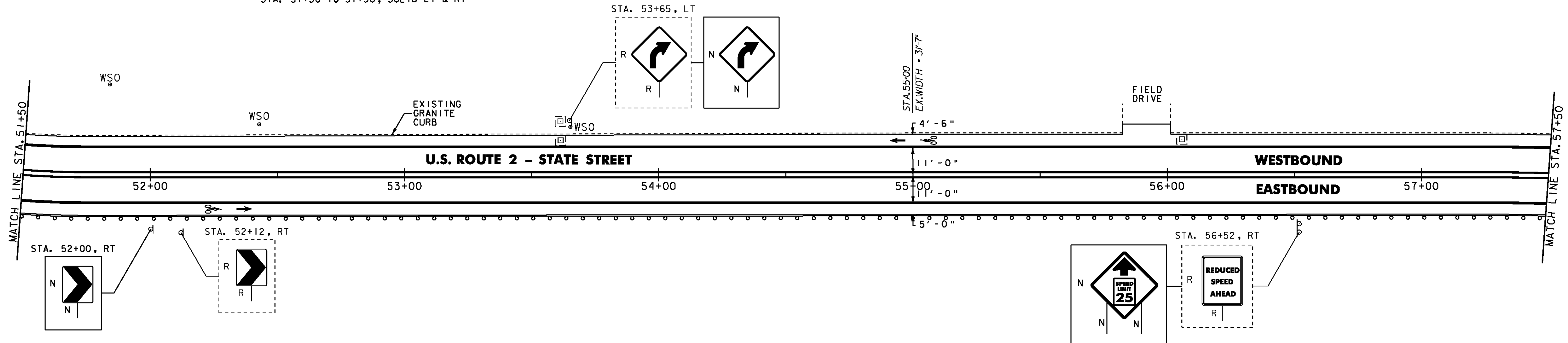
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 52+25, RT - BIKE LANE SYMBOL
STA. 52+37, RT - BIKE LANE ARROW
STA. 54+94, LT - BIKE LANE ARROW
STA. 55+06, LT - BIKE LANE SYMBOL

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 3

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 52+25, RT - BIKE LANE SYMBOL
STA. 52+37, RT - BIKE LANE ARROW
STA. 54+94, LT - BIKE LANE ARROW
STA. 55+06, LT - BIKE LANE SYMBOL



604.412 OR 604.415 REHAB.
Dis. CBS OR MHS. CLASS T OR II
STA. 61+55, LT
STA. 62+93, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 57+50.0 TO 63+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 57+50 TO 63+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

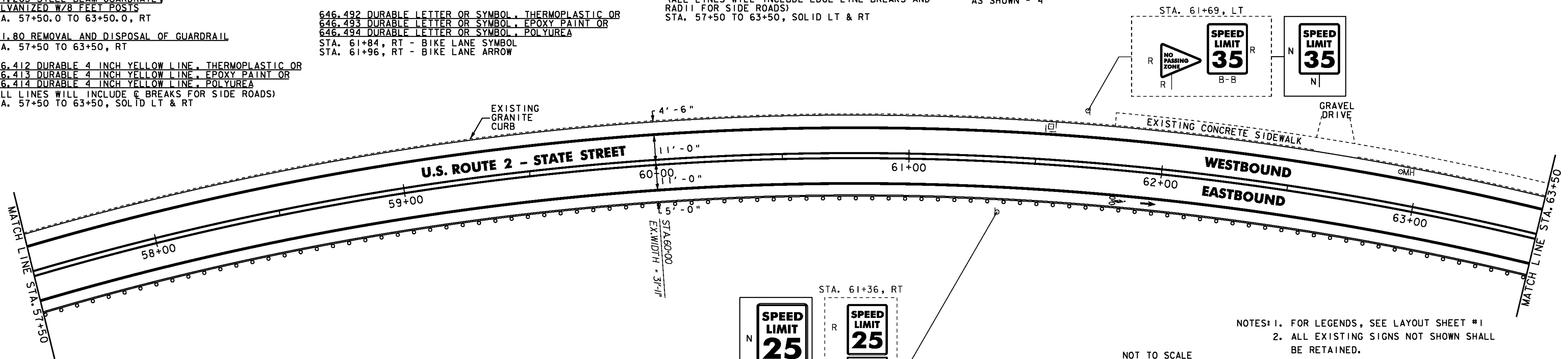
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 61+84, RT - BIKE LANE SYMBOL
STA. 61+96, RT - BIKE LANE ARROW

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 57+50 TO 63+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 61+84, RT - BIKE LANE SYMBOL
STA. 61+96, RT - BIKE LANE ARROW

675.50 REMOVING SIGNS
AS SHOWN - 4



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #7**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116107.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 22 OF 79



604.412 OR 604.415 REHAB,
DIS. CBS OR MHS, CLASS 1 OR 11
STA. 63+92, LT
STA. 65+19, LT
STA. 69+44, LT

604.42 CHANGING ELEVATION OF
SEWER MANHOLES
STA. 64+64, LT
STA. 68+61, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 63+50.0 TO 69+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 63+50 TO 69+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

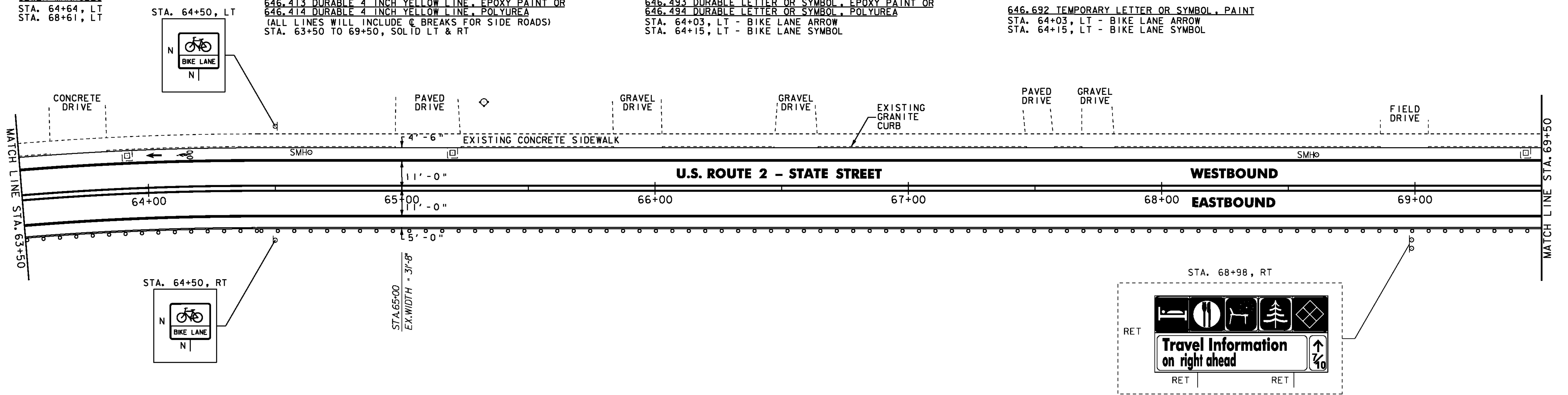
646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 64+03, LT - BIKE LANE ARROW
STA. 64+15, LT - BIKE LANE SYMBOL

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 63+50 TO 69+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 64+03, LT - BIKE LANE ARROW
STA. 64+15, LT - BIKE LANE SYMBOL



604.412 OR 604.415 REHAB,
DIS. CBS OR MHS, CLASS 1 OR 11
STA. 71+20, LT
STA. 72+11, LT
STA. 73+48, LT

604.42 CHANGING ELEVATION OF
SEWER MANHOLES
STA. 71+97, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 69+50.0 TO 75+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 69+50 TO 75+50, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 69+50 TO 75+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 69+50 TO 75+50, SOLID LT & RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 71+84, RT - BIKE LANE SYMBOL
STA. 71+96, RT - BIKE LANE ARROW
STA. 72+47, LT - BIKE LANE ARROW
STA. 72+59, LT - BIKE LANE SYMBOL

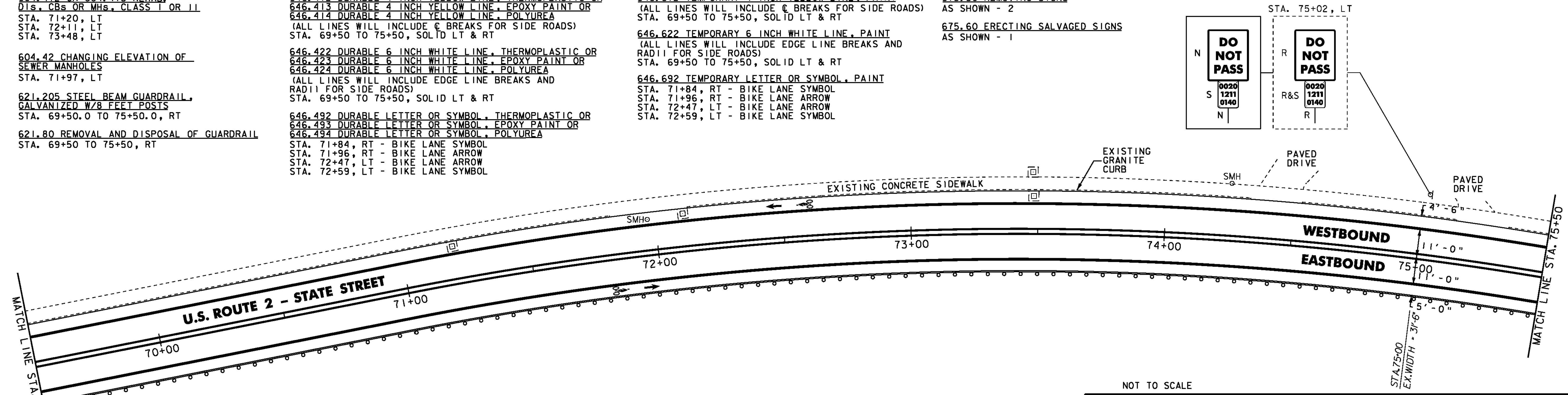
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 69+50 TO 75+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 69+50 TO 75+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 71+84, RT - BIKE LANE SYMBOL
STA. 71+96, RT - BIKE LANE ARROW
STA. 72+47, LT - BIKE LANE ARROW
STA. 72+59, LT - BIKE LANE SYMBOL

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.



NOT TO SCALE

**PROJECT
LAYOUT
SHEET #8**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: pl0dl6.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116108.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 79

604.412 OR 604.415 REHAB.
DIS. CBS OR MHS, CLASS I OR II
STA. 77+03, LT
STA. 79+42, LT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 79+44, RT
STA. 80+15, RT
STA. 80+56, LT
STA. 80+56, LT

621.205 STEEL BEAM GUARDRAIL,
GALVANIZED W/8 FEET POSTS
STA. 75+50.0 TO 79+03.5, RT
STA. 79+28.5 TO 79+41.0, RT

621.207 STEEL BEAM GUARDRAIL,
GALVANIZED/NESTED W/8 FEET POSTS
STA. 79+03.5 TO 79+28.5, RT
(SEE DETAIL ON GUARDRAIL DETAIL SHEET)

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 79+41, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 75+50 TO 79+41, RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR
646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
STA. 80+50 TO 80+62, LT (HYDRANT)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 80+88, RT "SIGNAL"
STA. 81+08, LT - BIKE LANE ARROW
STA. 81+20, LT - BIKE LANE SYMBOL
STA. 81+20, RT "AHEAD"

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

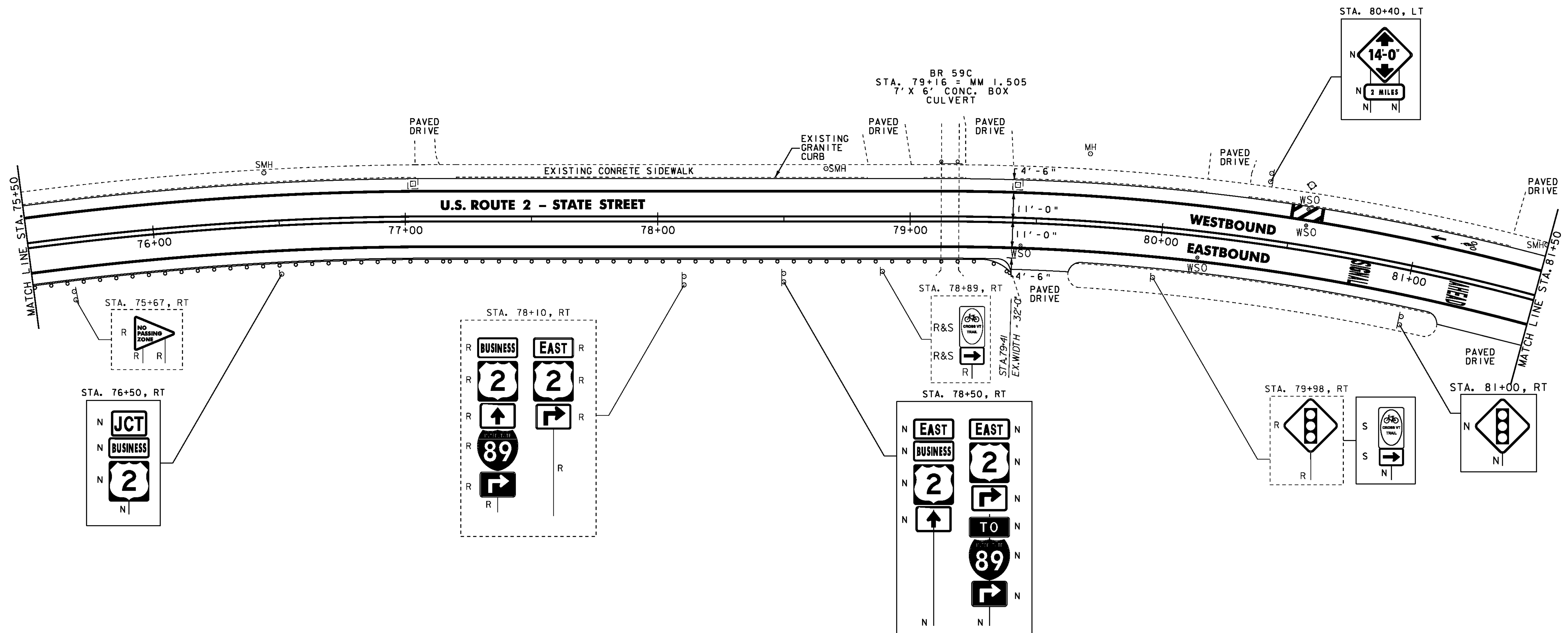
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 80+50 TO 80+62, LT (HYDRANT)

646.692 TEMPORARY LETTER OR
SYMBOL, PAINT
STA. 80+88, RT "SIGNAL"
STA. 81+08, LT - BIKE LANE ARROW
STA. 81+20, LT - BIKE LANE SYMBOL
STA. 81+20, RT "AHEAD"

675.50 REMOVING SIGNS
AS SHOWN - 12

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #9**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10dl16109.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 24 OF 79



604.412 OR 604.415 REHAB.
DIS. CBS OR MHS. CLASS 1 OR 11
STA. 81+61, LT
STA. 81+65, RT
STA. 82+69, LT
STA. 82+81, RT
STA. 83+80, RT
STA. 84+22, LT

604.42 CHANGING ELEVATION OF
SEWER MANHOLES
STA. 84+13, LT

629.20 ADJUST ELEVATION OF
VALVE BOX
STA. 84+74, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADIUS FOR SIDE ROADS)
STA. 82+96 TO 84+80, SOLID LT & RT
STA. 82+96 TO 83+78, DOTTED RT
STA. 83+78 TO 84+74, SOLID RT (LANE LINE)
STA. 84+20 TO 84+80, LT (DIAGONALS)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 81+50 TO 84+76, SOLID LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
646.423 DURABLE 6 INCH WHITE LINE, EPOXY PAINT OR
646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADIUS FOR SIDE ROADS)
STA. 81+50 TO 82+96, SOLID LT & RT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
STA. 84+76, RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 83+81, RT ARROW (2)
STA. 83+81, RT ARROW
STA. 84+24, RT "ONLY"
STA. 84+62, RT ARROW (2)
STA. 84+62, RT ARROW

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADIUS FOR SIDE ROADS)
STA. 82+96 TO 84+80, SOLID LT & RT
STA. 82+96 TO 83+78, DOTTED RT
STA. 83+78 TO 84+74, SOLID RT (LANE LINE)
STA. 84+20 TO 84+80, LT (DIAGONALS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 81+50 TO 84+76, SOLID LT & RT

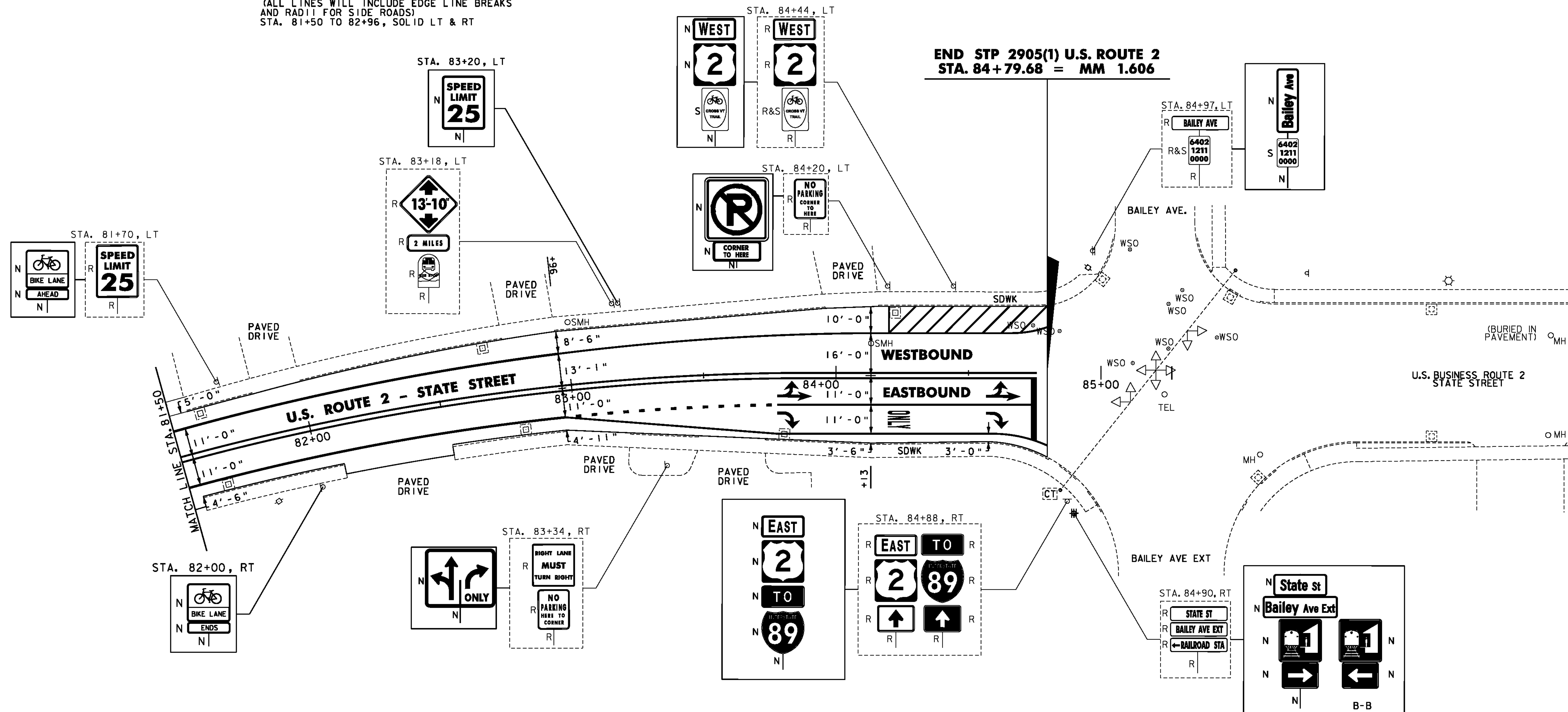
646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADIUS FOR SIDE ROADS)
STA. 81+50 TO 82+96, SOLID LT & RT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 84+76, RT

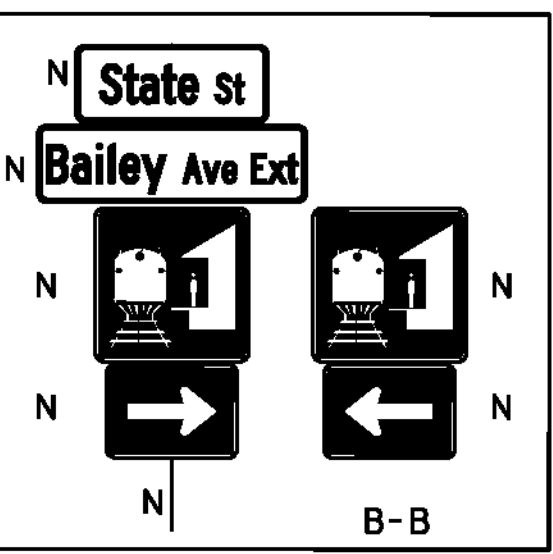
646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 83+81, RT ARROW (2)
STA. 83+81, RT ARROW
STA. 84+24, RT "ONLY"
STA. 84+62, RT ARROW (2)
STA. 84+62, RT ARROW

675.50 REMOVING SIGNS
AS SHOWN - 21

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



END STP 2905(1) U.S. ROUTE 2
STA. 84+79.68 = MM 1.606



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #10**



PROJECT NAME: MONTPELIER	PLOT DATE: 3/22/2011
PROJECT NUMBER: STP 2905(1)	DRAWN BY: STANTEC
FILE NAME: p10d116.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 25 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p10d1161010.i	

TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS										REMARKS	SIGN DETAIL									
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			SALV TIS	RETAIN	NO. SALVAGED	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER	
								1.2	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"	WEIGHT			POST SIZE
0+00, LT		1	48	36	5.56				2																		W14-3 VR-039 R2-1	SEE FHWA SHS E-141 SEE FHWA SHS		
0+00, RT		1	72	12	6.00				2							X											32	E-138 E-138		
0+00, RT		1	24	18	3.00				1									X									VR-038 R2-1 R4-1	E-141 33 SEE FHWA SHS		
6+50, RT		1	36	36	9.00				2							X											W10-2	SEE FHWA SHS		
7+22, RT									1							X											MOUNT SALVAGED SIGN ON NEW POST	-	-	
7+50, LT		1	36	12	3.00				1							X											INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER	32		
7+58, RT		1	24	12	2.00				1							X											M3-4 M4-4 M6-2	SEE FHWA SHS SEE FHWA SHS SEE FHWA SHS		
7+58, RT									1							X											MOUNT SALVAGED SIGN ON NEW POST	-	-	
7+59, RT		1	36	36	9.00				1							X											W10-1	E-190		
7+85, LT		1	30	30	6.25				1							X											RI-1	SEE FHWA SHS		
TOTALS				SF	SF	EA.	SF																							
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS *SIGN POST DESIGN GUIDELINE.*											FT	FT	FT	FT	FT	EA	LB	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.			

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(I)

FILE NAME: p10dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116tss01.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 26 OF 79



TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																		REMARKS	SIGN DETAIL					
		EA	WIDTH (ln)	HEIGHT (ln)	"A"	"B"	SALV SIGN	SALV TIS			SALVAGE	REPAIR	FLANGED CHANNEL			SQUARE STEEL (ln)			ANCHOR	SLUVE	TUBULAR ALUMINUM ∅ (ln)			TUBULAR STEEL ∅ (ln)				W-SHAPE STEEL		ZONES NEAR DEPT DMV-COMR	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
													1.2	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	FTG. SIZE					WEIGHT	POST SIZE	
					lb/ft			lb/ft			lb/ft			lb/ft																					
			1.88	2.42	3.35	1.3	1.7	1.7	7.6	9.0	10.8	14.6	24"	30"																					
8+39, RT	<div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Graves st</div> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">State st</div>		36	12	3.00				1			X												RI-1	32	SEE FHWA SHS									
12+50, LT			36	36	9.00				2			X												W10-2		SEE FHWA SHS									
13+90, LT	<div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Gaylord Dr</div> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">State st</div>		36	12	3.00				1			X												RI-1	32	SEE FHWA SHS									
19+38, RT	<div style="font-size: 8px; margin-top: 5px;">0020 1211 0037</div>		6	10	0.42				1			X	X											-	-	E-138									
20+80, RT			30	24	5.00				1			X												R3-17		SEE FHWA SHS									
23+54, LT			24	30	5.00				1			X												R2-1		SEE FHWA SHS									
24+50, LT			30	24	5.00				1			X												R3-17		SEE FHWA SHS									
26+82, LT			36	36	9.00				2			X												VW-619		E-151									
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS *SIGN POST DESIGN GUIDELINE.*		TOTALS		SF 66.92	SF 2	EA. 2	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA												
											FT	FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.				
											140			18		158																			



PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)
FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116tss02.i
PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 27 OF 79

TRAFFIC SIGN SUMMARY SHEET 03

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS															REMARKS	SIGN DETAIL						
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			SALV TIS	SALVAGE	RETAIN	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
													1.2	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"	WEIGHT	POST SIZE
36+48, RT							I		1				X		X												MOUNT SALVAGED SIGN ON NEW POSTS	-	-			
38+75, LT		I	30	24	5.00				1				X		X												R3-17		SEE FHWA SHS			
38+75, RT		I	30	24	5.00				1				X		X												R3-17		SEE FHWA SHS			
39+75, RT		I	36	36	9.00				2				X		X												VW-619		E-151			
40+98, RT		I	24	30	5.00				1				X		X												R2-1		SEE FHWA SHS			
		I	24	30	5.00				1				X		X												R4-1		SEE FHWA SHS			
41+50, LT		I	24	30	5.00				1				X		X												R4-1		SEE FHWA SHS			
		I	24	30	5.00				1				X		X												MOUNT SALVAGED SPEED LIMIT SIGN BACK-TO-BACK WITH DO NOT PASS SIGN ON NEW POST	-	-			
42+47, RT							I		1				X		X												MOUNT SALVAGED SIGN ON NEW POST	-	-			
44+75, RT		I	30	30	6.25				1				X		X												WI-2		SEE FHWA SHS			
46+00, RT		I	18	24	3.00				1				X		X												WI-8L (FLUORESCENT YELLOW)		SEE FHWA SHS			
47+20, RT		I	18	24	3.00				1				X		X												WI-8L (FLUORESCENT YELLOW) WI-8R (FLUORESCENT YELLOW)		SEE FHWA SHS			
48+40, RT		I	18	24	3.00				1				X		X												WI-8L (FLUORESCENT YELLOW) WI-8R (FLUORESCENT YELLOW)		SEE FHWA SHS			
49+60, RT		I	18	24	3.00				1				X		X												WI-8L (FLUORESCENT YELLOW) WI-8R (FLUORESCENT YELLOW)		SEE FHWA SHS			
50+80, RT		I	18	24	3.00				1				X		X												WI-8L (FLUORESCENT YELLOW) WI-8R (FLUORESCENT YELLOW)		SEE FHWA SHS			
52+00, RT		I	18	24	3.00				1				X		X												WI-8R (FLUORESCENT YELLOW)		SEE FHWA SHS			
53+65, LT		I	30	30	6.25				1				X		X												WI-2		SEE FHWA SHS			
56+52, RT		I	36	36	9.00				2				X		X												W3-5		SEE FHWA SHS			
										FT FT FT			FT FT FT			EA		LB LB LB														
										8			267																			
										FT			FT			EA		LB														
										85.5			275																			

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

TOTALS

SF

SF

EA.

SF

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.

EA.



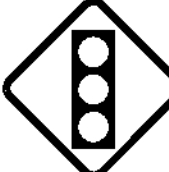
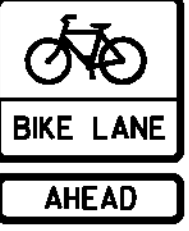




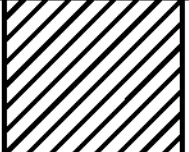
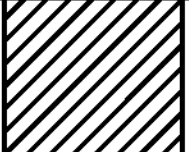
PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116tss03.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 28 OF 79



TRAFFIC SIGN SUMMARY SHEET 05

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXISTING POST	NO. OF SALVAGED POSTS	NEW SIGN POSTS																	REMARKS	SIGN DETAIL				
		EA	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			DETAIL ON SHEET NUMBER		STD. SHEET NUMBER				
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE							
																							lb/ft	lb/ft						lb/ft	24"	30"	
79+98, RT							I																								MOUNT SALVAGED SIGNS ON NEW POST	-	-
80+40, LT		I	36	36	9.00																										W12-2 W16-30	SEE FHWA SHS SEE FHWA SHS	
81+00, RT		I	30	30	6.25																										W3-3	SEE FHWA SHS	
81+70, LT		I	30	24	5.00																										R3-17 R3-17aP	SEE FHWA SHS SEE FHWA SHS	
82+00, RT		I	30	24	5.00																										R3-17 R3-17aP	SEE FHWA SHS SEE FHWA SHS	
83+20, LT		I	24	30	5.00																										R2-1	SEE FHWA SHS	
83+34, RT		I	36	30	7.50																											VR-922	E-145A
84+20, LT		I	24	24	4.00																											R8-3	SEE FHWA SHS
		I	12	6	0.50																												
												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	LB	LB	LB	EA	EA	LB			PROJECT NAME: MONTPELIER PROJECT NUMBER: STP 2905(I)			
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		TOTALS		SF	SF	EA.	SF		FT	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	FILE NAME: p10d116.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p10d116tss05.i	
				49.75	2					135																						PLOT DATE: 3/22/2011 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 30 OF 79	

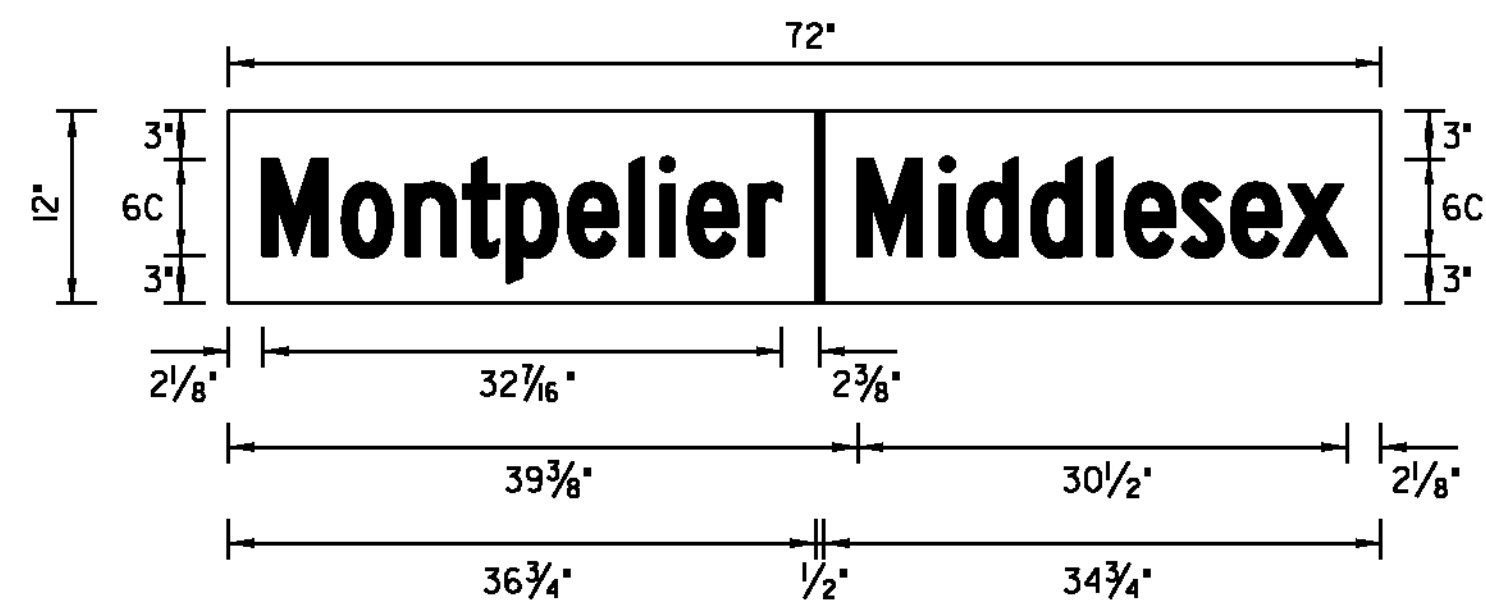


TRAFFIC SIGN SUMMARY SHEET 06

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			FLANGED CHANNEL	SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
		1.75	2.0								2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE						
																			1.2	2.0						3.0	1.88	2.42
84+44, LT		24	12																						M3-4 MI-4 MOUNT SALVAGED SIGN ON NEW POST	-	SEE FHWA SHS	
84+88, RT		24	12																						M3-2 MI-4 M4-5 (INTERSTATE) MI-1		SEE FHWA SHS SEE FHWA SHS SEE FHWA SHS SEE FHWA SHS	
84+90, RT		30	12																						INSTALL STREET SIGNS 90 DEGREES TO EACH OTHER AND ABOVE OTHER SIGNS. I-7 MOUNT SIGNS BACK-TO-BACK M6-1 MOUNT SIGNS BACK-TO-BACK	32 32	SEE FHWA SHS SEE FHWA SHS	
84+97, LT		36	12																						MOUNT SALVAGED SIGN ON NEW POST	32	-	
SHEET TOTAL																												
TSS SHEET 1 SUBTOTALS																												
TSS SHEET 2 SUBTOTALS																												
TSS SHEET 3 SUBTOTALS																												
TSS SHEET 4 SUBTOTALS																												
TSS SHEET 5 SUBTOTALS																												
TSS SHEET 6 SUBTOTALS																												
PROJECT SUBTOTALS																												
ROUNDING																												
PROJECT TOTAL																												
TOTALS				SF	SF	EA.	SF			FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	LB	PROJECT NAME: MONTPELIER PROJECT NUMBER: STP 2905(1) FILE NAME: p10d116.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p10d116tss06.i		PLOT DATE: 26-MAY-2011 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 31 OF 79				

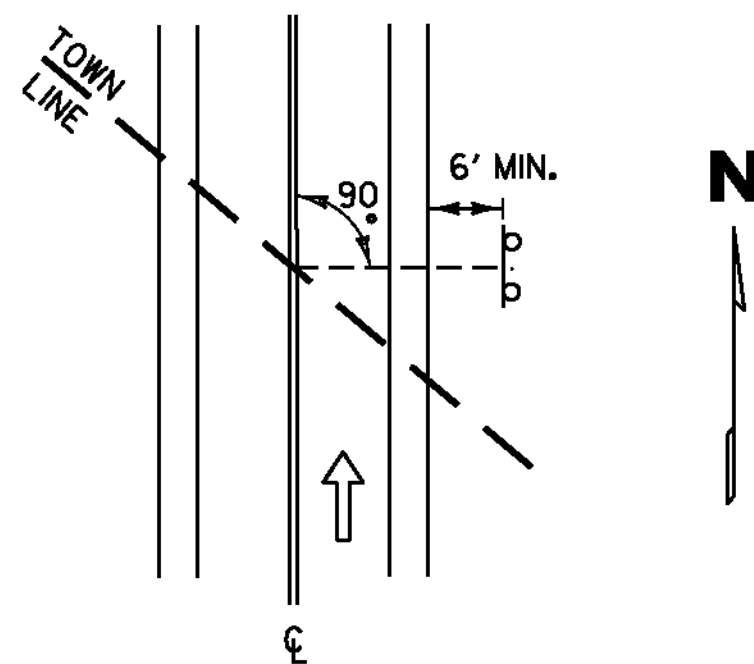
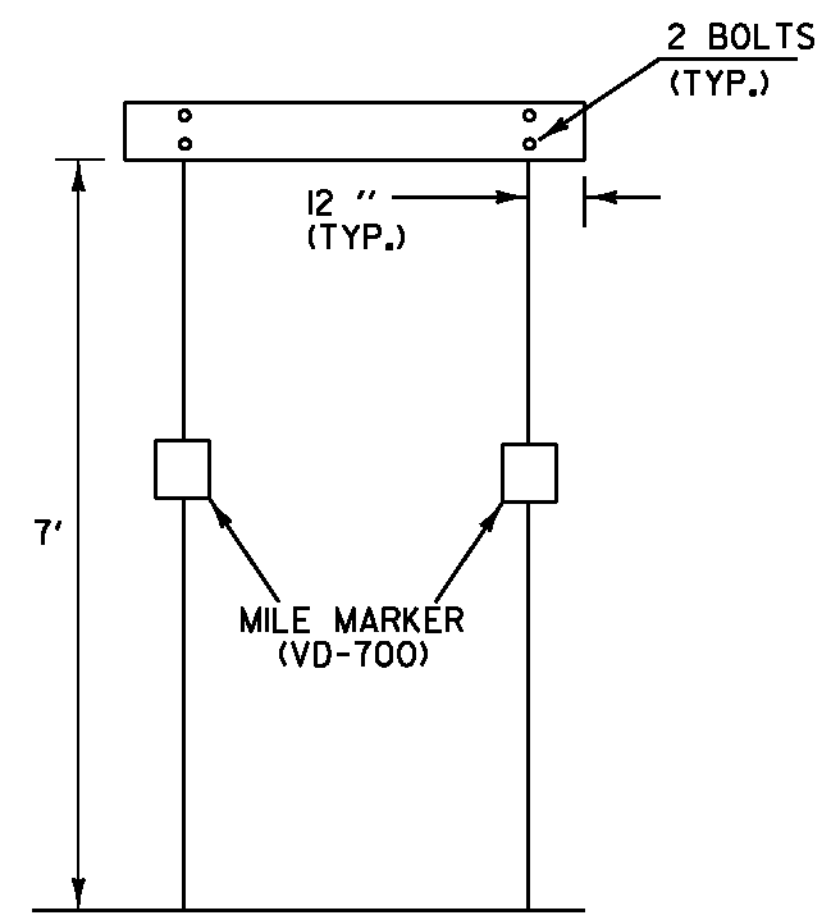
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS *SIGN POST DESIGN GUIDELINE.*





LOCATION: STA. 0+00, RT

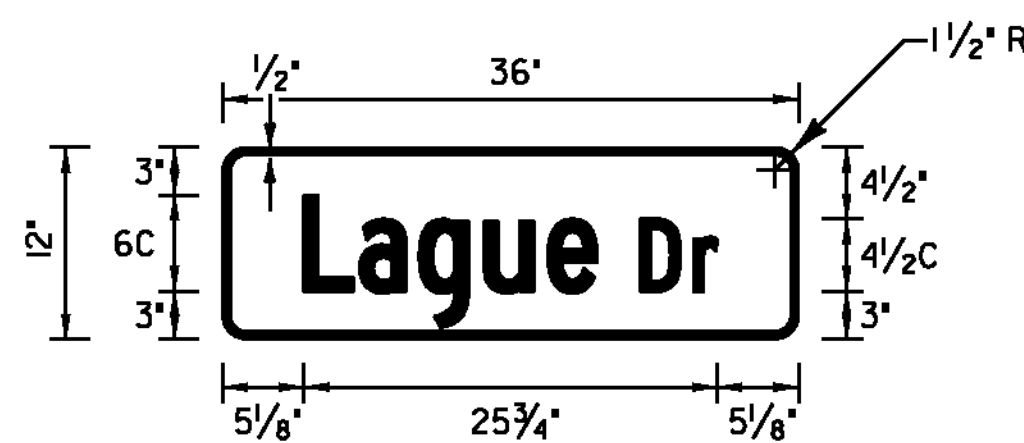
COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)



THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

TOWN LINE SIGN NOTES:

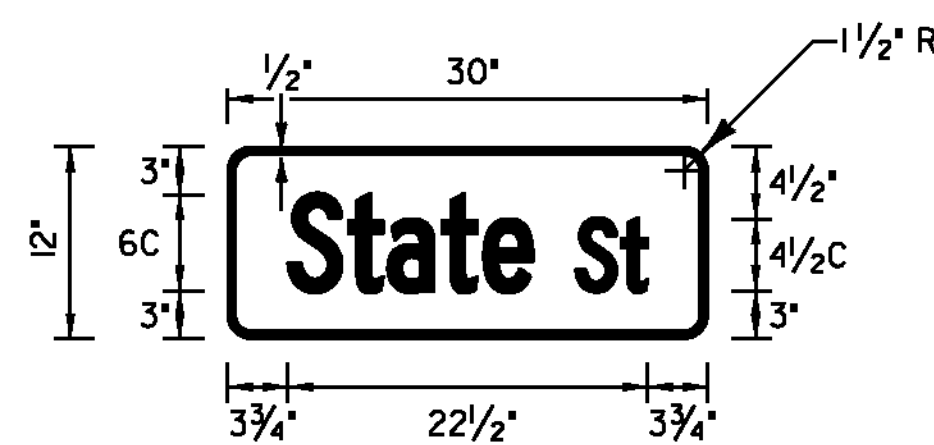
1. WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
2. DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
3. ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
4. THE SIGN BASE MATERIAL SHALL BE HIGH DENSITY OVERLAIN PLYWOOD 5/8 INCH THICK OR ALUMINUM SHEETING 0.125" MINIMUM THICKNESS. THE RETROREFLECTIVE MATERIAL SHALL BE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE LEGEND SHALL BE CUT-OUT RETROREFLECTIVE LEGEND. ALL RETROREFLECTIVE MATERIAL SHALL BE EQUAL TO OR EXCEEDING THE "THE AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM) TYPE III.
5. SIGNS SHALL HAVE A RETROREFLECTIVE WHITE LEGEND ON A RETROREFLECTIVE GREEN BACKGROUND.
6. LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.
7. ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE "STANDARD HIGHWAY SIGNS" BOOK (SHS) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA).



LOCATION: STA. 7+50, LT

COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

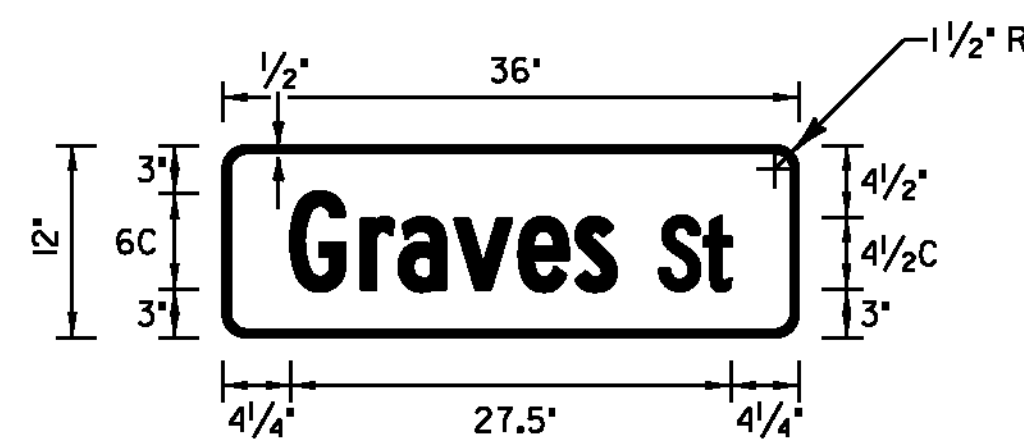
MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 7+50, LT
STA. 8+39, RT
STA. 13+90, LT
STA. 84+90, RT

COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

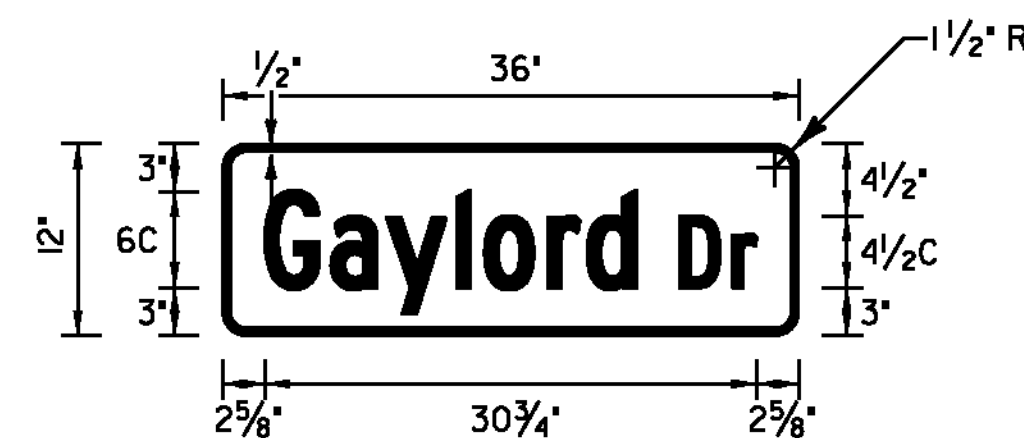
MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 8+39, RT

COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

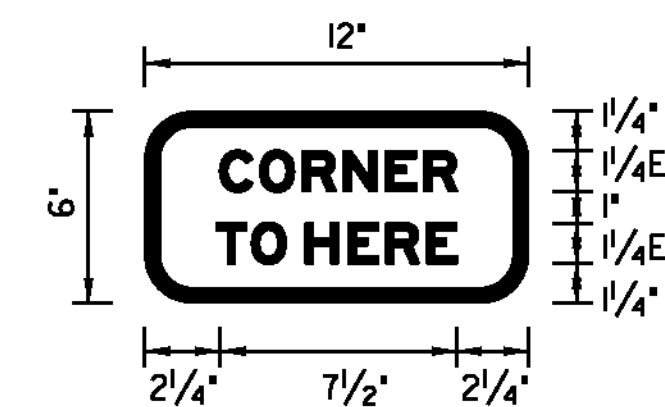
MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 13+90, LT

COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

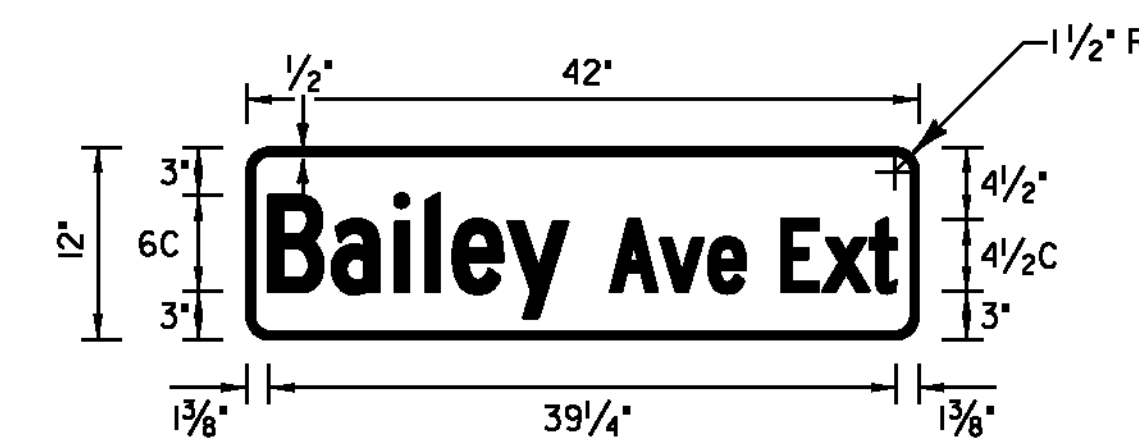
MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 84+20, LT

COLOR: RED BORDER & TEXT (RETROREFLECTIVE)
WHITE BACKGROUND (RETROREFLECTIVE)

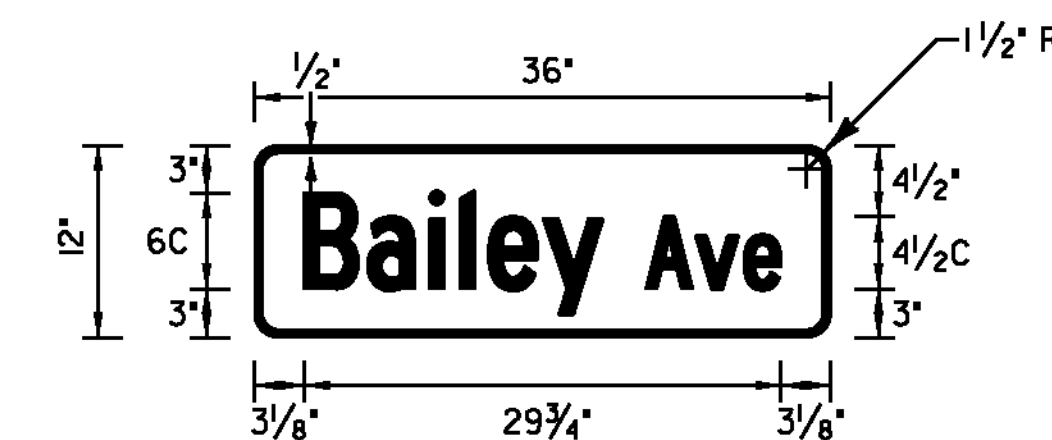
MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 84+90, RT

COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 84+97, LT

COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER VAOT STANDARD E-123

NOT TO SCALE

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM
2. ALL STREET SIGNS ARE TWO-SIDED

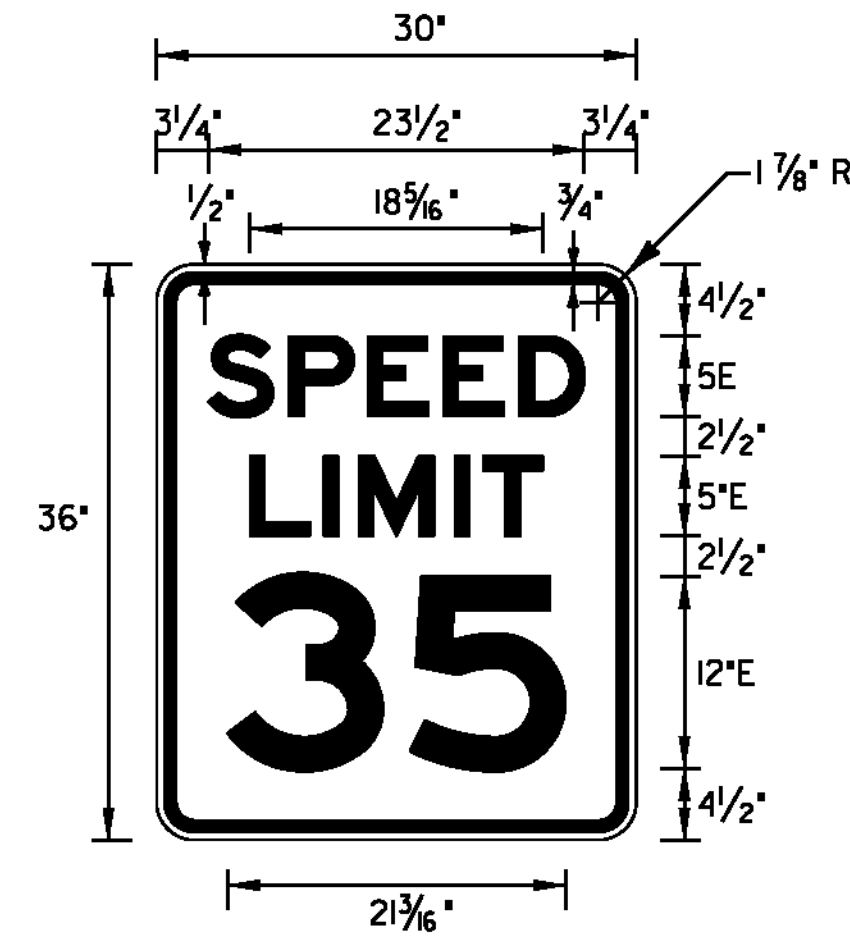
TRAFFIC SIGN DETAIL SHEET #1

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: pl0dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116tsds01.i

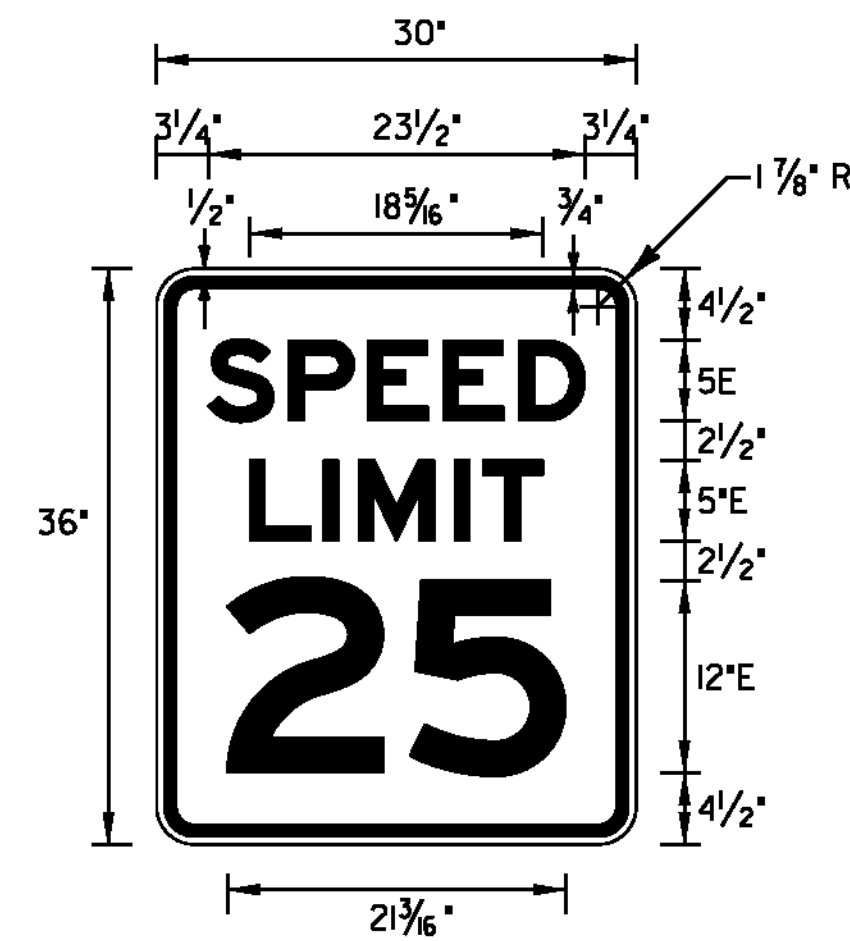
PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 32 OF 79





LOCATION: STA. 0+00, RT

COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 61+36, RT

COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER VAOT STANDARD E-123

GENERAL NOTES

1. ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS REFERENCED IN THESE PLANS SHALL CONFORM WITH THE STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) UNLESS DETAILED WITHIN THESE PLANS.
2. ALL COLORS SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND APPROVED BY FHWA UNLESS OTHERWISE NOTED.
3. UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIALS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIZES	24" X 10"	36" X 12"		
	24" X 12"	36" X 15"		
	24" X 18"	36" X 18"	48" X 18"	
	24" X 24"	36" X 24"	48" X 24"	
	24" X 30"	30" X 42"	48" X 30"	
	9" X 12"	30" X 15"	36" X 36"	48" X 42"
	12" X 12"	30" X 18"	36" X 48"	48" X 48"
	18" X 18"	30" X 42"	36" X 54"	48" X 60"
THICKNESS	0.060"	0.080"	0.100"	0.125"

NOT TO SCALE

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM
2. ALL STREET SIGNS ARE TWO-SIDED

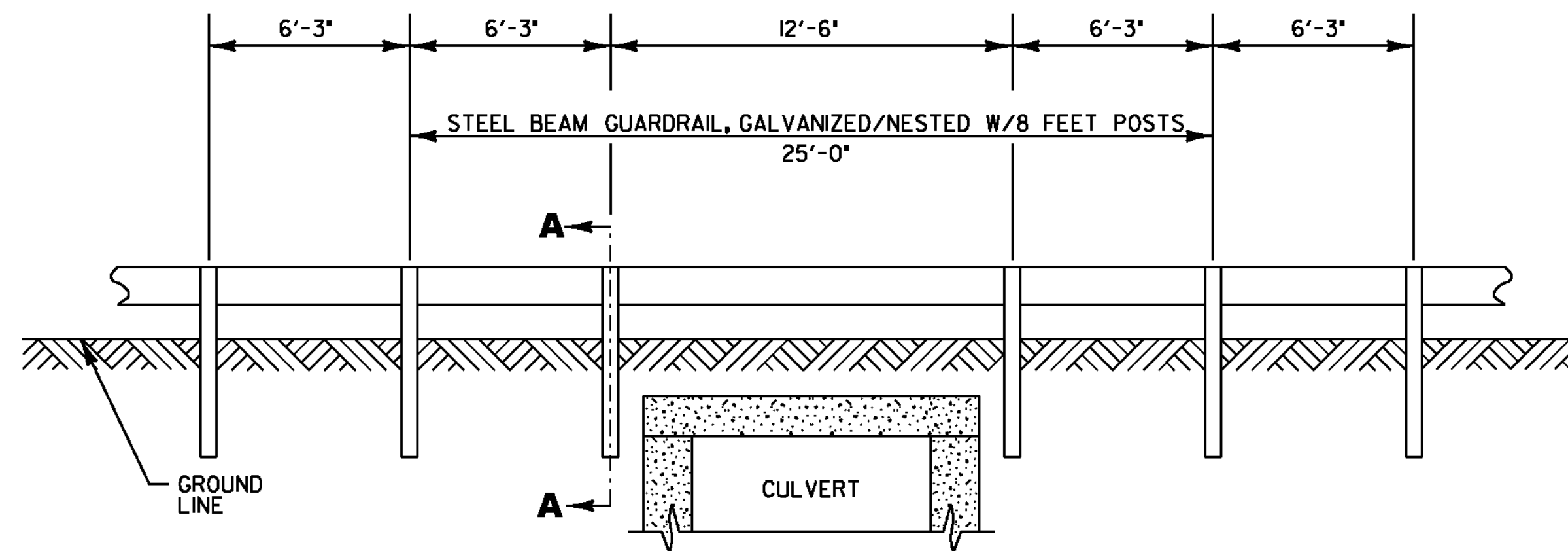
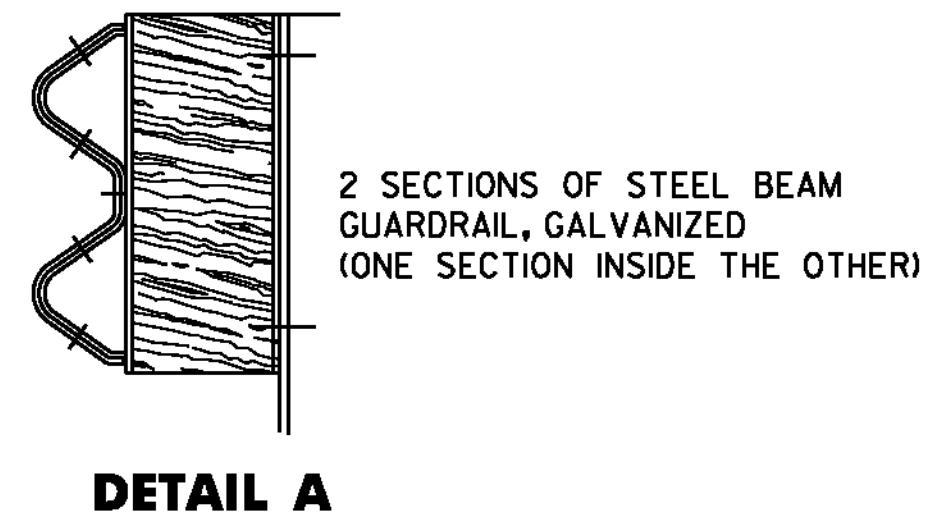
**TRAFFIC
SIGN
DETAIL
SHEET #2**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

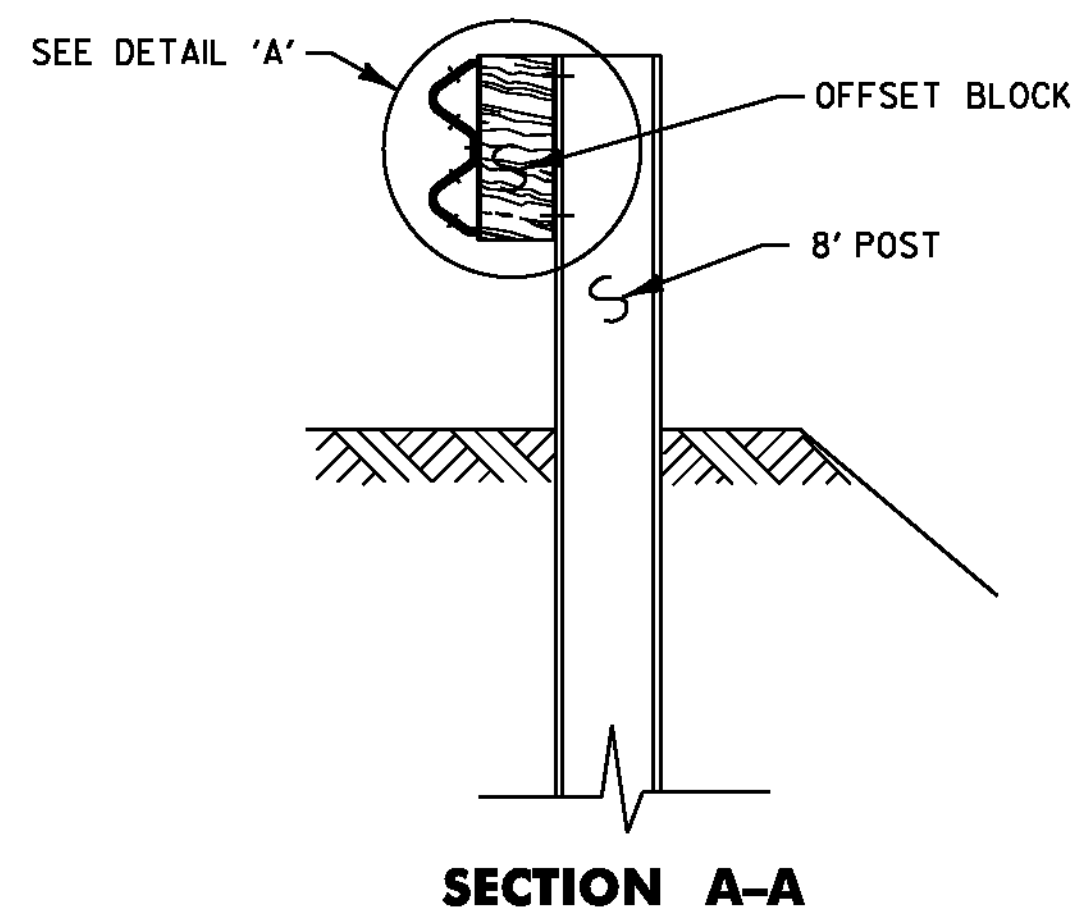
FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116tsds02.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 33 OF 79



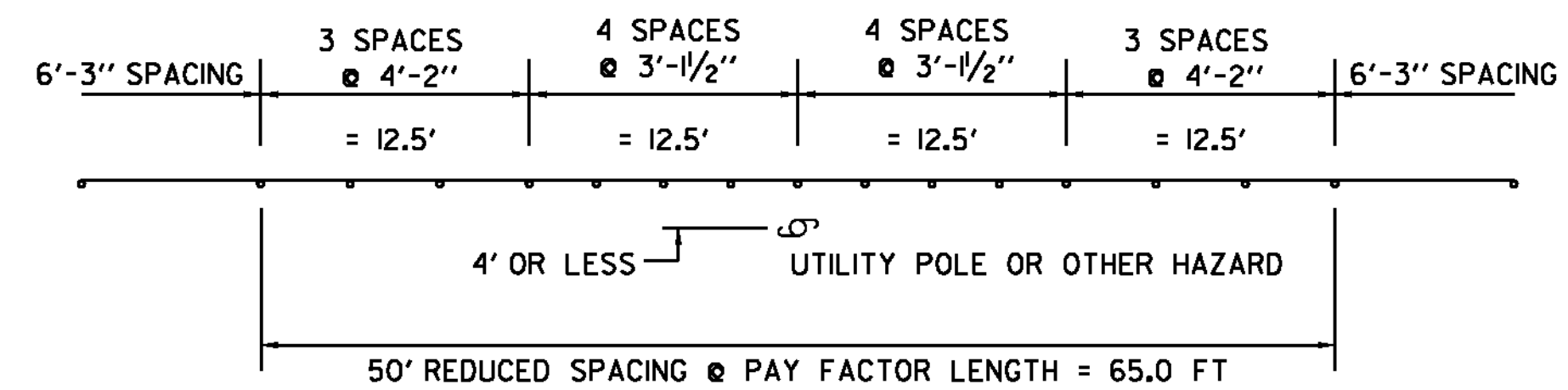


DETAIL OF STEEL BEAM GUARDRAIL AT LARGE CULVERTS
U.S. ROUTE 2 STA. 79+16, RT (BRIDGE #59C)



NOTES:

1. SEE VTrans STANDARDS G-1 & G-1d FOR STEEL BEAM GUARDRAIL DETAILS
2. THIS WORK SHALL BE PAID UNDER ITEM 621.207, STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.



REDUCED GUARDRAIL POST SPACING DETAIL
OBJECTS WITHIN 4 FT OF GUARDRAIL
(N.T.S.)

- STA. 16+35, RT - UTILITY POLE
- STA. 18+04, RT - UTILITY POLE
- STA. 19+42, RT - UTILITY POLE
- STA. 47+89, RT - UTILITY POLE

NOT TO SCALE



**GUARDRAIL
DETAIL SHEET**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

FILE NAME: p10d116.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116gds.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 34 OF 79

EXISTING CULVERT INVENTORY TABLE

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
U.S. ROUTE 2			
0+39	15"	RCP	
9+29	18"	RCP	
13+58	15"	RCP	
14+05	12"	HDPE	
15+13	18"	HDPE	
21+30	15"	ACCGMP	
22+00	15"	RCP	
22+30	18"	ACCGMP	
26+43	30"	CMP	EST. SIZE
51+01	18"	CMP	
79+16	84"x60"	CONC.	BOX

REHAB. DROP INLETS, CATCH BASINS or MANHOLES, CLASS I AND II

(ITEM 604.412 OR 604.415)
(SEE DETAIL ON THIS SHEET FOR TREATMENT IN PAVEMENT AREAS)

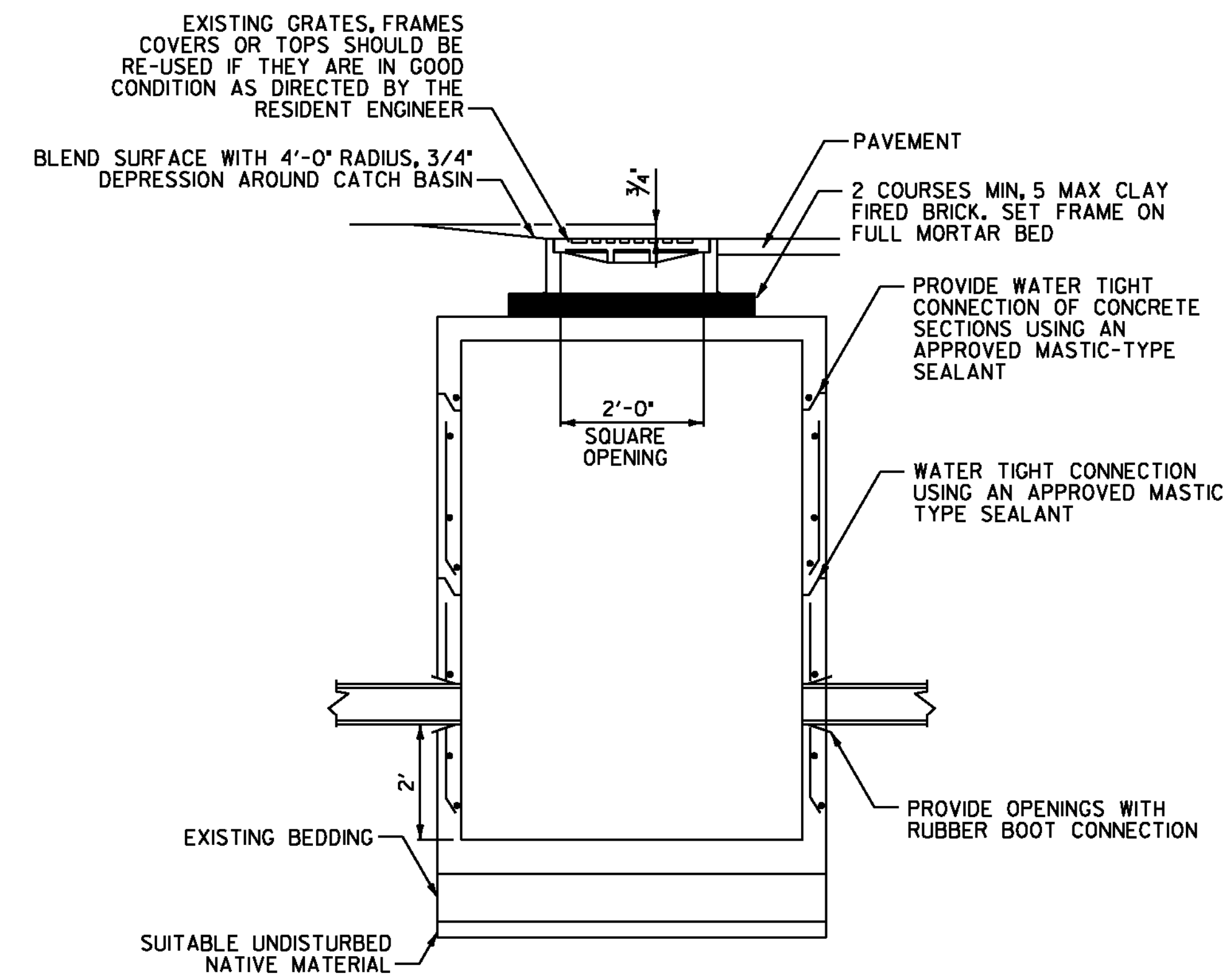
STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
19+30	LT.	MH
21+30	LT.	D1
44+45	LT.	D1
45+93	LT.	D1
47+94	LT.	D1
53+61	LT.	D1
56+06	LT.	D1
61+55	LT.	D1
62+93	LT.	MH
63+92	LT.	D1
65+19	LT.	D1
69+44	LT.	D1
71+20	LT.	D1
72+11	LT.	D1
73+48	LT.	D1
77+03	LT.	D1
79+42	LT.	D1
81+61	LT.	D1
81+65	RT.	D1
82+69	LT.	D1
82+81	RT.	D1
83+80	RT.	D1
84+22	LT.	D1

CHANGING ELEVATION OF SEWER MANHOLES
(ITEM 604.42)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
9+43	LT.	SMH
12+35	LT.	SMH
14+00	LT.	SMH
16+01	LT.	SMH
64+64	LT.	SMH
68+61	LT.	SMH
71+97	LT.	SMH
84+13	LT.	SMH

ADJUST ELEVATION OF VALVE BOX
(ITEM 629.20)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
14+21	RT.	
15+14	RT.	
50+70	LT.	
50+72	LT.	
79+44	RT.	
80+15	RT.	
80+56	LT.	
80+56	LT.	
84+74	LT.	



REHAB. DI'S, CB'S, & MH'S DETAIL
(ITEMS 604.412 AND 604.415 IN PAVEMENT AREAS)

NOT TO SCALE

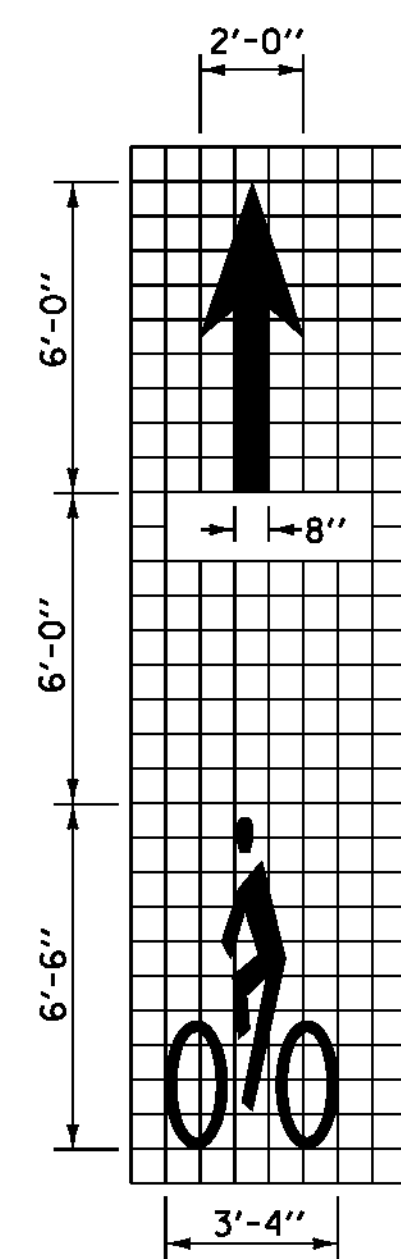


DRAINAGE & STRUCTURE INVENTORY & DETAIL SHEET

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2905(1)

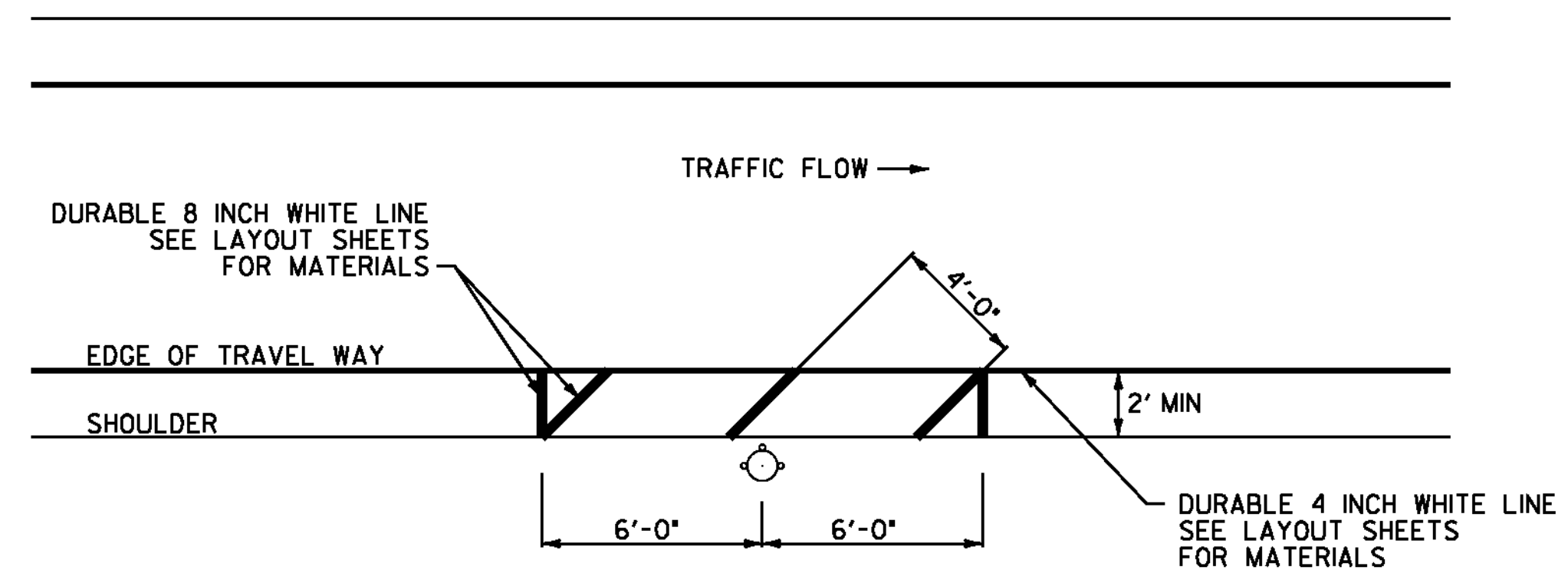
FILE NAME: pl0dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p10d116csd.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 35 OF 79



BICYCLE STENCIL PAVEMENT MARKING

SEE LAYOUT SHEETS FOR LOCATIONS AND MATERIALS.

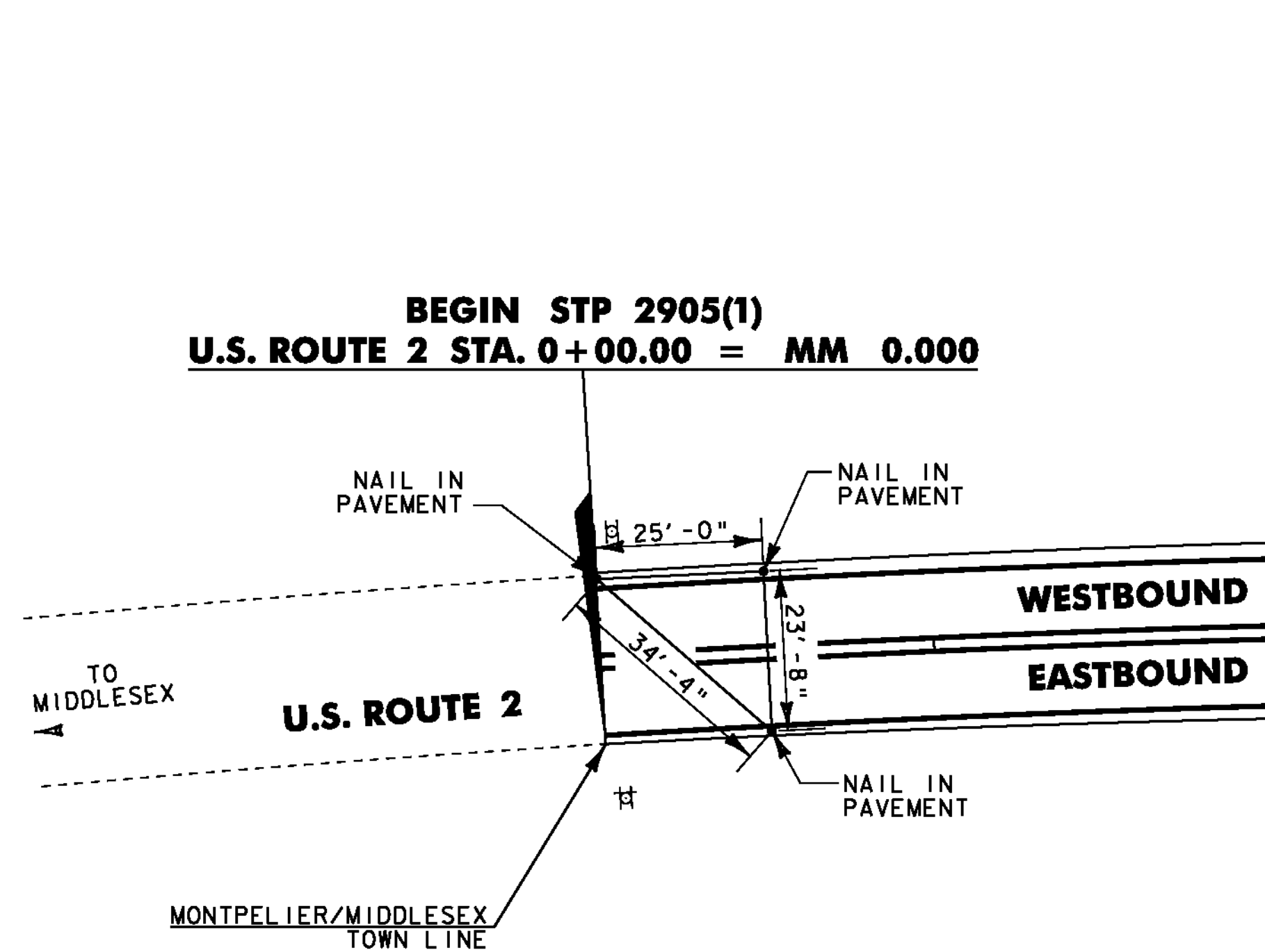


FIRE HYDRANT PAVEMENT MARKING DETAIL

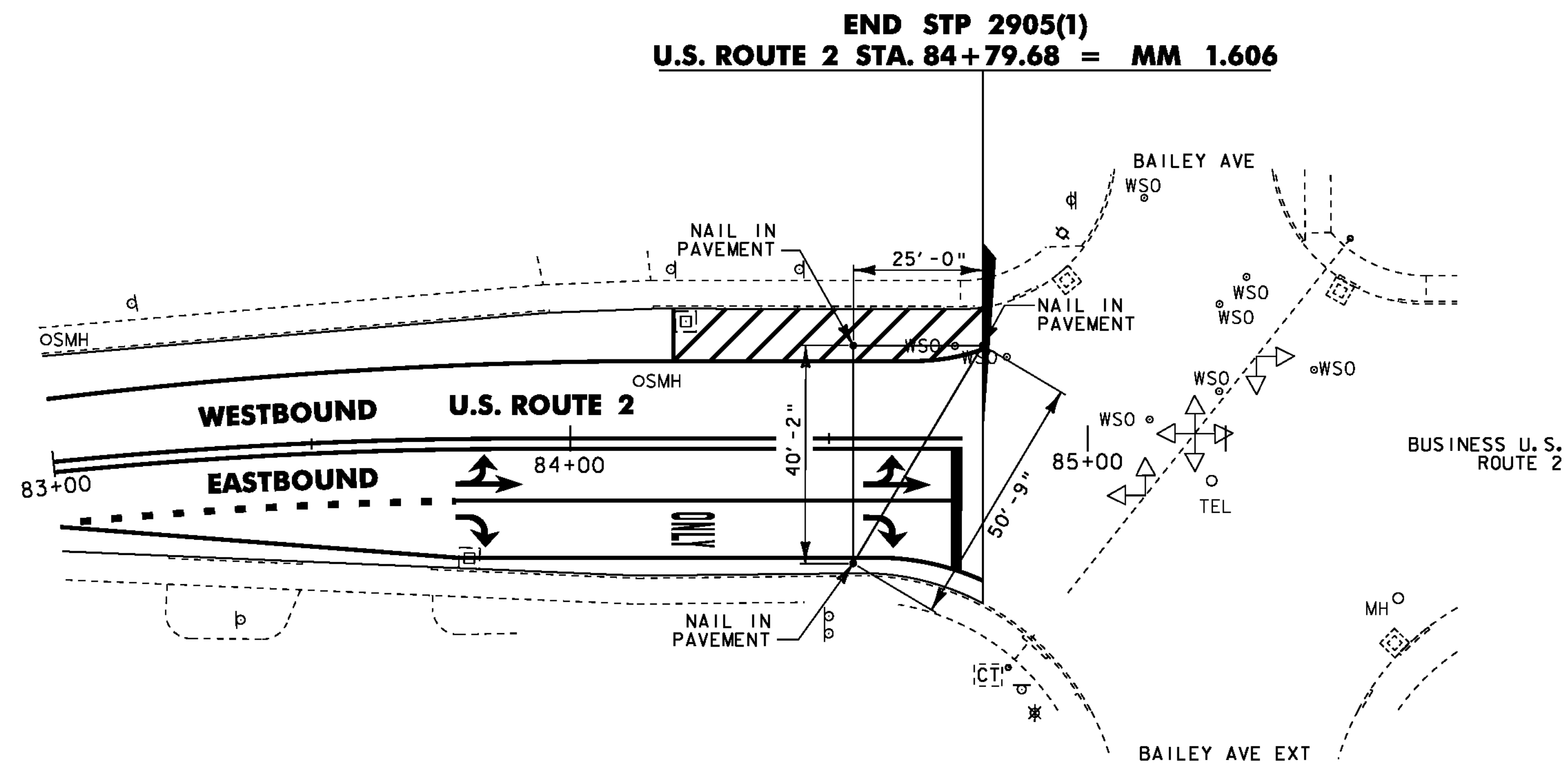
STA. 14+23 TO 14+35, RT
 STA. 47+03 TO 47+15, LT
 STA. 80+50 TO 80+62, LT

NOTE:

THE CONTRACTOR SHALL ADJUST THE PLACEMENT OF THE FIRE HYDRANT PAVEMENT MARKINGS TO MEET THE EXISTING SITE CONSTRAINTS AS DIRECTED BY THE RESIDENT ENGINEER.



BEGIN PROJECT LOCATION TIES



END PROJECT LOCATION TIES

NOT TO SCALE



**MISCELLANEOUS
 DETAIL
 SHEET**

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2905(1)
 FILE NAME: p10d116.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p10d116md.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 36 OF 79

STATE OF VERMONT AGENCY OF TRANSPORTATION



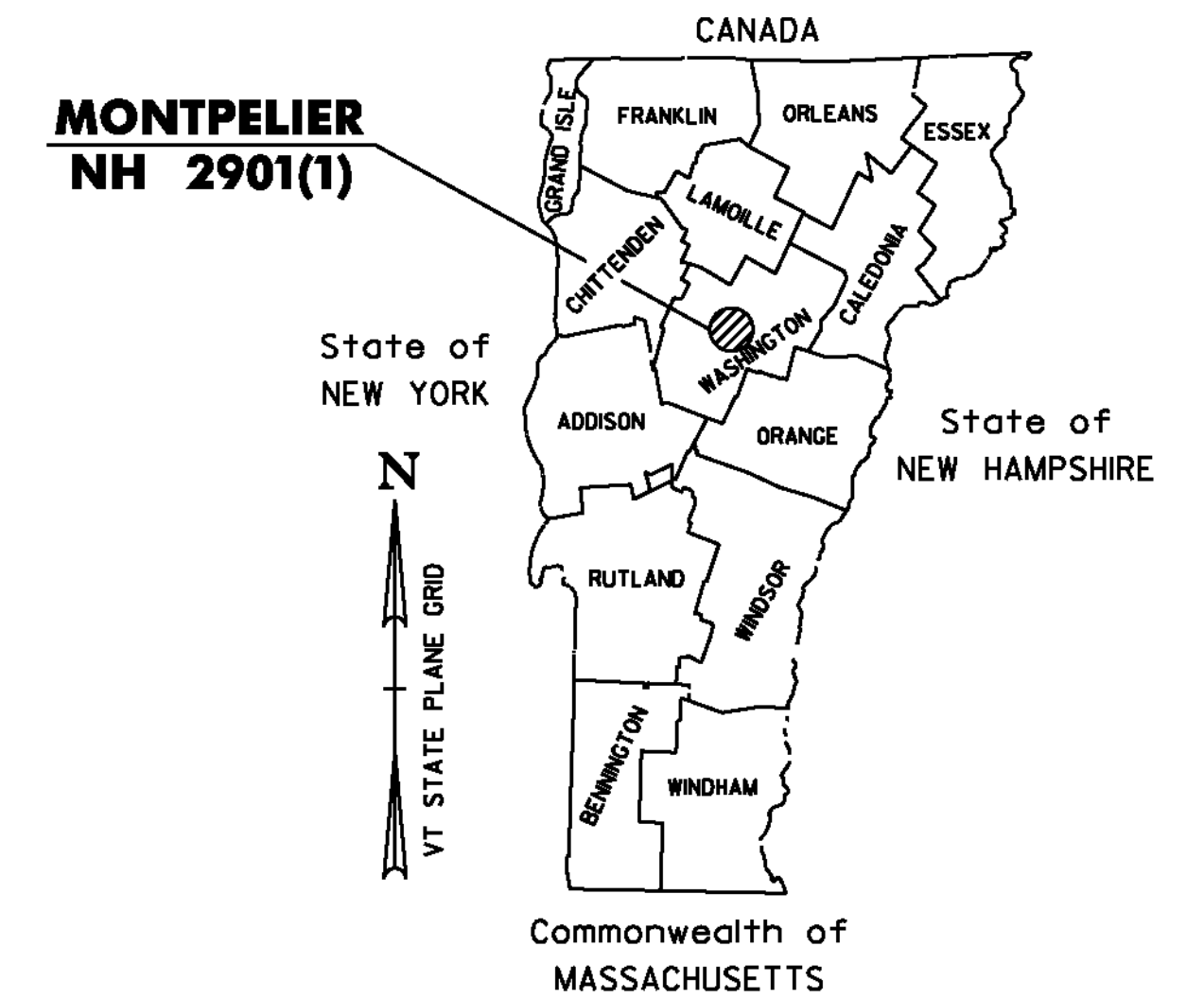
PROPOSED IMPROVEMENT CITY OF MONTPELIER COUNTY OF WASHINGTON MONTPELIER STATE HIGHWAY PRINCIPAL ARTERIAL - FREEWAY

LIMITS DESCRIPTION

BEGINNING IN THE CITY OF MONTPELIER ON MONTPELIER STATE HIGHWAY DIRECTLY BELOW THE INTERSTATE 89 OVERPASS AT STA. 0+00.00 (MM 0.000) AND EXTENDING EASTERLY A DISTANCE OF 3,996.96 FEET (0.757 MILES) TO STA. 39+96.96 (MM 0.757).

PROJECT DATA:	LENGTH	LENGTH
CITY OF MONTPELIER	(FEET)	(MILES)
MONTPELIER STATE HIGHWAY		
STA. 0+00.00 TO 39+96.96	3,996.96	
MM 0.000 TO 0.757		0.757
TOTAL LENGTH OF PROJECT:	3,996.96	0.757
TOTAL LENGTH OF ROADWAY:	3,996.96	0.757

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING THE EXISTING HIGHWAY WITH A LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER INCIDENTAL ITEMS.



TRAFFIC DATA MONTPELIER STATE HIGHWAY

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011-2021	2011-2031
BEGIN PROJECT MM 0.000 TO MM 0.340	12,500	13,100	1700	1800	3,280,000	7,090,000
MM 0.340 TO MM 0.568	12,300	12,900	1700	1800	3,229,000	6,982,000
MM 0.568 TO END OF PROJECT MM 0.757	12,000	12,600	1500	1600	3,062,000	6,710,000

QUALITY ASSURANCE PROGRAM: **LEVEL I**

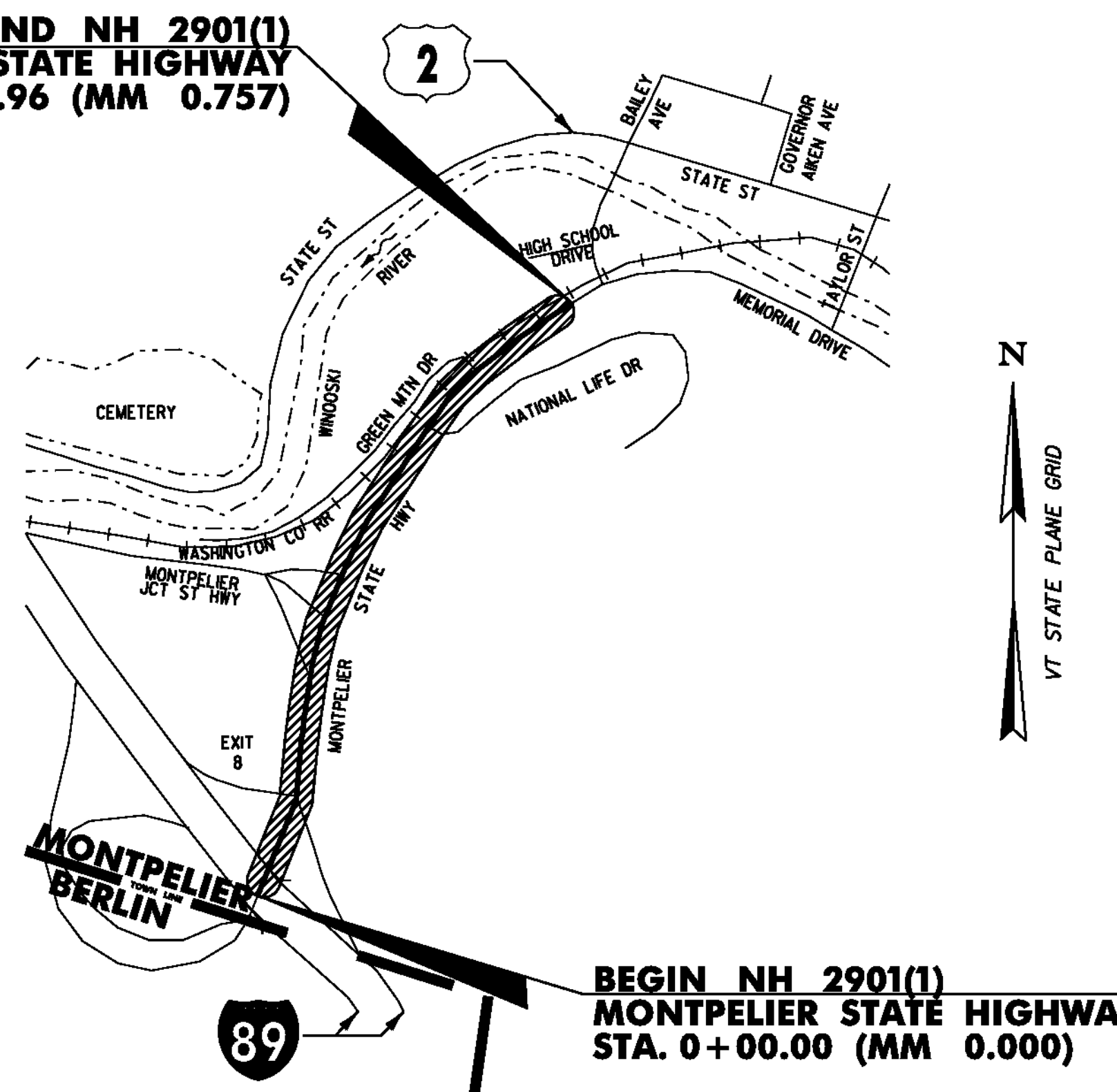
CONVENTIONAL SYMBOLS

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

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

**END NH 2901(1)
MONTPELIER STATE HIGHWAY
STA. 39+96.96 (MM 0.757)**



**BEGIN NH 2901(1)
MONTPELIER STATE HIGHWAY
STA. 0+00.00 (MM 0.000)**

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	3,545,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND THE SPECIAL PROVISIONS

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 PURPOSES.

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".



Stantec

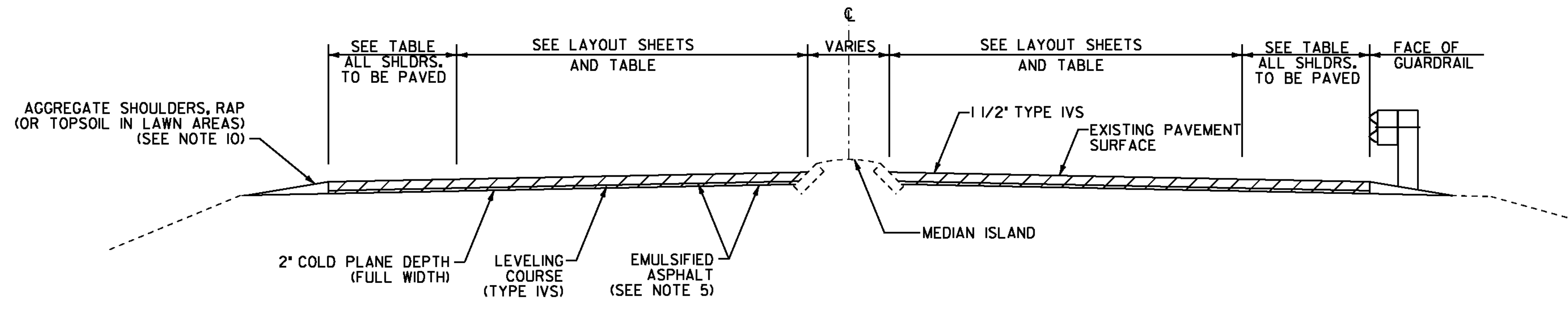
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

p09b316.dgn
p09b316+ts.i

PROJECT MANAGER : MICHAEL FOWLER

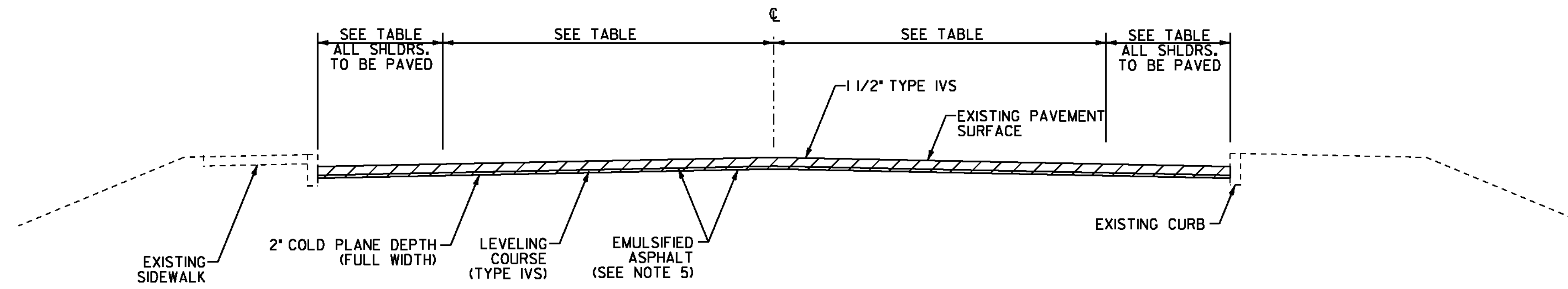
PROJECT NAME : MONTPELIER
PROJECT NUMBER : NH 2901 (1)

SHEET 37 OF 79 SHEETS



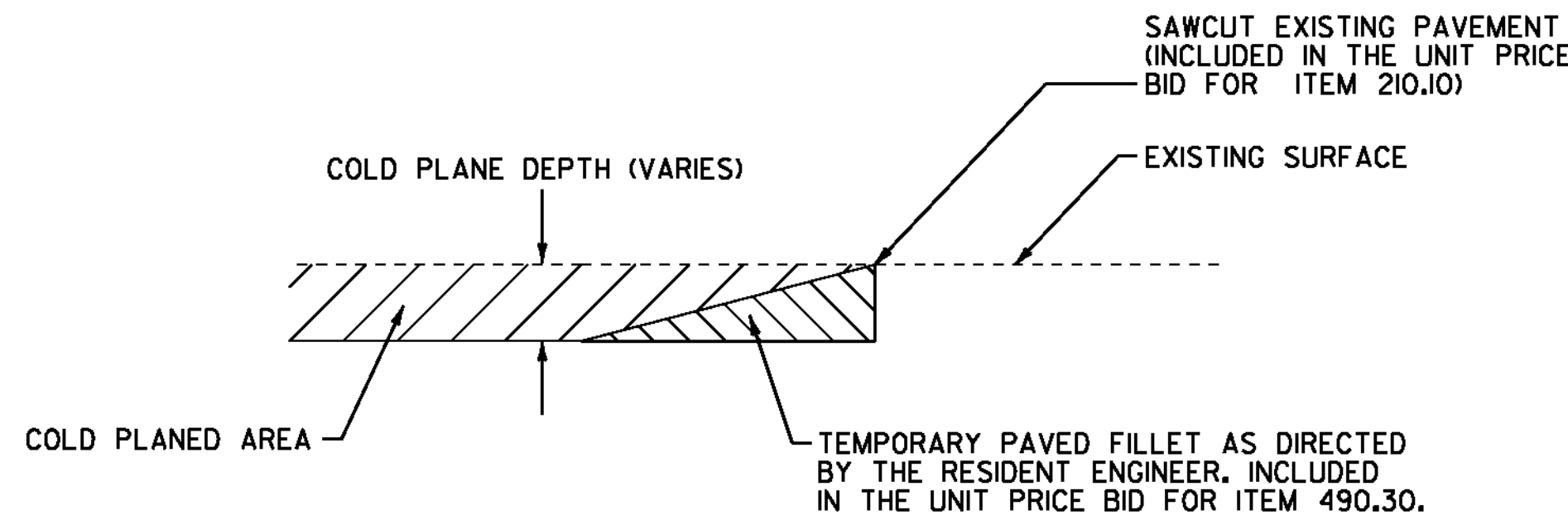
COLD PLANE TYPICAL SECTION - NON-CURBED

MONTPELIER STATE HIGHWAY STA. 0+00.00 TO 31+78, RT
MONTPELIER STATE HIGHWAY STA. 0+00.00 TO 37+65, LT



COLD PLANE TYPICAL SECTION - CURBED

MONTPELIER STATE HIGHWAY STA. 31+78 TO 37+65, RT
MONTPELIER STATE HIGHWAY STA. 37+65 TO 39+96.96, LT & RT

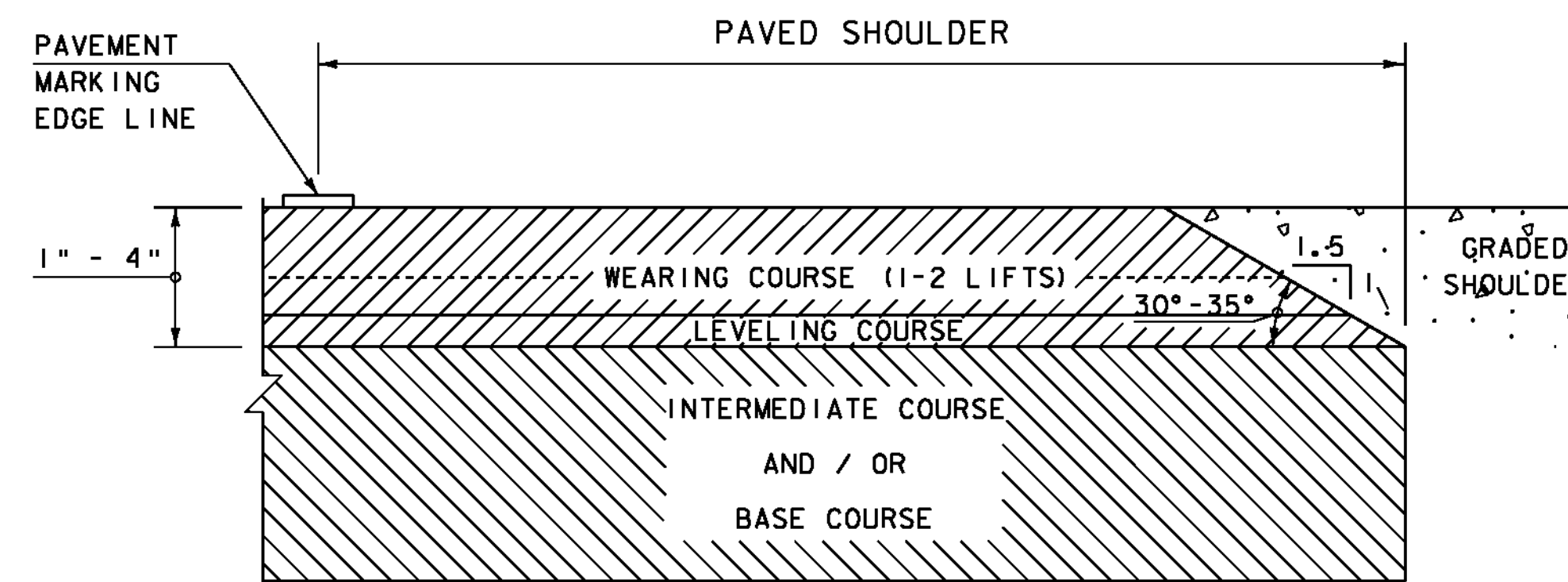


DETAIL AT VERTICAL COLD PLANE JOINTS

NOTE: THIS DETAIL SHALL BE USED AT THE LOCATIONS AND SIDE ROADS LISTED BELOW AS DIRECTED BY THE RESIDENT ENGINEER.

FULL ROADWAY WIDTH

- STA. 0+00.00 (BEGIN PROJECT)
- STA. 4+58, RT (I-89 NORTHBOUND OFF-RAMP)
- STA. 5+36, LT (I-89 NORTHBOUND ON-RAMP)
- STA. 15+99, LT (SLIP RAMP *N*)
- STA. 17+96, LT (SLIP RAMP *O*)
- STA. 19+85, LT (SLIP RAMP *M*)
- STA. 29+98, RT (NATIONAL LIFE DRIVE WESTBOUND)
- STA. 31+51, RT (NATIONAL LIFE DRIVE EASTBOUND)
- STA. 37+11, LT (GREEN MOUNTAIN DRIVE)
- STA. 39+96.96 (END PROJECT)



SAFETY EDGE DETAIL

NOT TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
MONTPELIER STATE HIGHWAY	0+00.00	6+56	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	6+56	8+46	10'-0" - 11'0" - 1'0" - 1'0" - 1'0" - 11'0" - 11'0" - 10'0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	8+46	16+00	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	16+00	17+39	10'-0" - 11'0" - 11'0" - 1'0" - 1'0" - 11'0" - 11'0" - 11'0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	17+39	26+46	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	26+46	29+52	10'-0" - 11'0" - 11'0" - 1'0" - 1'0" - 11'0" - 11'0" - 7'0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	29+52	33+28	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	33+28	35+44	9'-0" - 11'0" - 11'0" - 1'0" - 1'0" - 11'0" - 11'0" - 2'0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	35+44	38+91	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS
MONTPELIER STATE HIGHWAY	38+91	39+96.96	2'-0" - 11'0" - 11'0" - 11'0" - 11'0" - 2'0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
2. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
4. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON THIS SHEET.
5. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
6. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON THIS SHEET.
7. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
8. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II, AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN.
9. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
10. ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP EDGE OF PAVEMENT.

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.

NOT TO SCALE

PROJECT TYPICAL SHEET

PROJECT NAME: MONTPELIER
PROJECT NUMBER: NH 290(1)

FILE NAME: p09b316.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b316pts.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 38 OF 79



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES				TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS
35				35	CY	COMMON EXCAVATION	203.15	0.5			COLD PLANING - BITUMINOUS PAVEMENT
100				100	CY	EARTH BORROW	203.30	EST	29459	SY	MAINLINE
1				1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.	568	SY	RAMPS
31000				31000	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	287	686	SY	SIDEROADS
21				21	CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	0.3	287	SY	ROUNDING
285				285	TON	AGGREGATE SHOULDERS, RAP	402.13	5	31000	SY	TOTAL
130				130	CWT	EMULSIFIED ASPHALT	404.65	2.5			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
1				1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	EST.	2578	TON	MAINLINE
3630				3630	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	36	50	TON	RAMP/SLIP RAMP WEARING COURSE (TYPE IVS)
1				1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	EST.	60	TON	SIDEROADS (TYPE IVS)
1				1	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	EST.	10	TON	ISLAND REMOVAL BASE COURSE (TYPE IIS)
1				1	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	EST.	896	TON	LEVELING (TYPE IVS)
1				1	LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	EST.	36	TON	ROUNDING
5				5	EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.	3630	TON	TOTAL
19				19	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.			
4				4	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.			
45				45	HR	POWER GRADER RENTAL	608.15	EST.			
45				45	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.			
15				15	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			
25				25	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.			
25				25	HR	TRUCK RENTAL	608.37	EST.			
25				25	HR	LOADER RENTAL, TYPE I	608.40	EST.			
82				82	LF	GRANITE SLOPE EDGING	616.20	2			
1985				1985	LF	TREATED TIMBER CURB	616.35	19			
100				100	LF	REMOVAL OF EXISTING CURB	616.41	1			
1				1	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	0.4			
31				31	EACH	YIELDING MARKER POSTS	619.17	-			
5275				5275	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	7			
12				12	EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-			
4				4	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
5450				5450	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	7.5			
740				740	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
2220				2220	HR	FLAGGERS	630.15	EST.			
			0.3	0.3	LS	FIELD OFFICE, ENGINEERS	631.10	-			
			0.3	0.3	LS	TESTING EQUIPMENT, CONCRETE	631.16	-			
			0.3	0.3	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
			1000	1000	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-			

PROJECT NAME: MONTPELIER

PROJECT NUMBER: NH 290(I)

FILE NAME: p09b316.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p09b316qs01.i

PLOT DATE: 26-MAY-2011

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 39 OF 79

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES				TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES			
	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS
	0.3				0.3	LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
	1				1	LS	TRAFFIC CONTROL (NH 2901(I))	641.10	-			
	0.3				0.3	LS	PUBLIC RELATIONS OFFICER	641.12	-			
	125				125	DAY	PORTABLE CHANGEABLE MESSAGE SIGN RENTAL	641.17	EST.			
	11000				11000	LF	DURABLE 4 INCH WHITE LINE, TYPE I TAPE	646.401	151			
	8200				8200	LF	DURABLE 4 INCH YELLOW LINE, TYPE I TAPE	646.411	107			
	1620				1620	LF	DURABLE 8 INCH WHITE LINE, TYPE I TAPE	646.441	33			
	135				135	LF	DURABLE 24 INCH STOP BAR, TYPE I TAPE	646.481	5			
	114				114	EACH	DURABLE LETTER OR SYMBOL, TYPE I TAPE	646.491	-			
	21930				21930	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	232			
	16400				16400	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	214			
	3200				3200	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	26			
	265				265	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	5			
	228				228	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
	520				520	EACH	LINE STRIPING TARGETS	646.76	7			
	620				620	LF	PAINTED CURB	646.81	9			
	1470				1470	SF	PAINTED ISLAND	646.82	10			
	80				80	LB	SEED	651.15	EST.			
	500				500	LB	FERTILIZER	651.18	EST.			
	2				2	TON	AGRICULTURAL LIMESTONE	651.20	EST.			
	2				2	TON	HAY MULCH	651.25	EST.			
	50				50	CY	TOPSOIL	651.35	EST.			
	100				100	SY	TEMPORARY EROSION MATTING	653.20	EST.			
	280				280	SF	TRAFFIC SIGNS, TYPE A	675.20	1.15			
	460				460	SF	TRAFFIC SIGNS, TYPE B	675.21	7.00			
	165				165	LB	TUBULAR ALUMINUM SIGN POST	675.32	5			
	155				155	LB	TUBULAR STEEL SIGN POST	675.33	2			
	440				440	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	6			
	1				1	EACH	FOUNDATION FOR TUBULAR STEEL SIGN POST	675.43	-			
	43				43	EACH	REMOVING SIGNS	675.50	-			
	1				1	EACH	ERECTING SALVAGED SIGNS	675.60	-			
	30				30	EACH	DELINEATOR WITH STEEL POST	676.10	-			
	6				6	EACH	REMOVAL OF EXISTING DELINEATOR	676.12	-			
	1				1	EACH	OVERHEAD TRAFFIC SIGN SUPPORT, MULTI-SUPPORT	677.13	-			
	1				1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
	1				1	EACH	SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (MONTPELIER STATE HIGHWAY @ NATIONAL LIFE DRIVE)	900.620	-			
			1		1	LU	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.I.)	900.650	-			

PROJECT NAME: MONTPELIER

PROJECT NUMBER: NH 290(I)

FILE NAME: p09b316.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p09b316qs02.i

PLOT DATE: 26-MAY-2011

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 40 OF 79

ITEM DETAIL SUMMARY SHEET

LOCATION			GUARDRAIL				MISCELLANEOUS														REMARKS												
BEGIN MILE STA.	END MILE STA.	POS.	621.20	621.50	621.60	621.80	203.15	203.30	301.26	402.13	604.40	604.412	604.415	616.20	616.35	616.41	616.47	619.17	653.20	676.10		676.12											
			S.B. GALV.	MTS. FLARED	ANCHOR FOR S.B. RAIL	REMOVAL & DISPOSAL OF GUARDRAIL	COMMON EXCAV.	EARTH BORROW	SUBBASE CR. GRAV. FINE GR.	AGGREGATE SHOULDERS, RAP	CHAN ELEV OF DI, CB OR MH	REHAB DI, CB, OR MH, CLASS I	REHAB DI, CB, OR MH, CLASS II	GRANITE SLOPE EDGING	TREATED TIMBER CURB	REMOVAL OF EXISTING CURB	BIT. CONC. GUTTERS & TRAFF. ISL.	YIELDING MARKER POSTS	TEMPORARY EROSION MATTING	DELINEATOR WITH STEEL POST		REMOVAL OF EXIST. DELINEATOR	CY	CY	CY	TON	EACH	EACH	EACH	LF	LF	LF	TON
MONTPELIER STATE HIGHWAY																																	
0+00	39+97	LT&RT								280	5	19	4					31			14		QUANTITIES FOR USE AS DIRECTED BY THE RESIDENT ENGINEER.										
-0+70.5	4+54.5	LT	489.5	1	1	526.5		25											25		2	2	INSTALL ANCHOR @ STA. -0+70.5. INSTALL M.T.S., FLARED STA. 4+17.0 TO 4+54.5.										
0+00	0+37.5	RT	39.5		1	38															1	1	CONNECT TO EXISTING GUARDRAIL @ STA. 0+00. INSTALL ANCHOR @ STA. 0+37.5.										
4+71.0	10+96.0	LT	589.5	1	1	625		25						370					25		2	1	INSTALL ANCHOR @ STA. 4+71.0. INSTALL M.T.S., FLARED STA. 10+58.5 TO 10+96.0. INSTALL TREATED TIMBER CURB STA. 5+28 TO 8+98.										
4+90.5	6+28.0	RT	62.5	2		150															2		INSTALL M.T.S., FLARED STA. 4+90.5 TO 5+28.0 AND STA. 5+90.5 TO 6+28.0.										
4+97		RT															0.6						CONSTRUCT BITUMINOUS GUTTER. SEE DETAIL ON MISCELLANEOUS DETAIL SHEET #1.										
5+28.0	6+65.5	LT	62.5	2																	2		INSTALL M.T.S FLARED STA. 5+28.0 TO 5+65.5 AND STA. 6+28.0 TO 6+65.5.										
5+51.0	30+01.0	RT	2414.5	1	1	2449		25						1285					25		2	1	INSTALL M.T.S., FLARED STA. 5+51.0 TO 5+88.5 INSTALL ANCHOR @ STA. 30+01.0. INSTALL TREATED TIMBER CURB STA. 5+93 TO 18+78.										
19+91.0	34+91.0	LT	1485	1		1504		25						311					25		1	1	CONNECT TO GUARDRAIL ALONG MONTPELIER JCT HIGHWAY @ STA. 19+91. INSTALL M.T.S., FLARED STA. 34+53.5 TO 34+91.0. SEE REDUCED GUARDRAIL POST SPACING DETAIL ON MISCELLANEOUS DETAIL SHEET #1. INSTALL TREATED TIMBER CURB STA. 19+91 TO 23+02.										
22+66.5	24+04.0	RT	62.5	2		150															2		INSTALL M.T.S., FLARED STA. 22+66.5 TO 23+04.0 AND STA. 23+66.5 TO 24+04.0.										
23+04.0	24+41.5	LT	62.5	2																	2		INSTALL M.T.S FLARED STA. 23+04.0 TO 23+41.5 AND STA. 24+04.0 TO 24+41.5.										
29+10.0	29+95.0	LT&RT						34.5		20.7				80		99							REMOVE EXISTING ISLAND AND RECONSTRUCT. SEE ISLAND REMOVAL DETAIL ON MISCELLANEOUS DETAIL SHEET #2.										
SHEET SUBTOTALS:			5268	12	4	5442.5		34.5	100	20.7	280	5	19	4	80	1966	99	0.6	31	100	30	6											
ROUNDING:			7	-	-	7.5		0.5	-	0.3	5	-	-	-	2	19	1	0.4	-	-	-	-											
TOTALS:			5275	12	4	5450		35	100	21	285	5	19	4	82	1985	100	1.0	31	100	30	6											

**ITEM
DETAIL
SUMMARY
SHEET**

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: NH 290(I)	DRAWN BY: STANTEC
FILE NAME: p09b316.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 41 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p09b316dss.i	

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 STA. -0+70.5 TO 3+50.0, LT
 STA. 0+00.0 TO 0+37.5, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
 STA. -0+70.5, LT
 STA. 0+37.5, RT

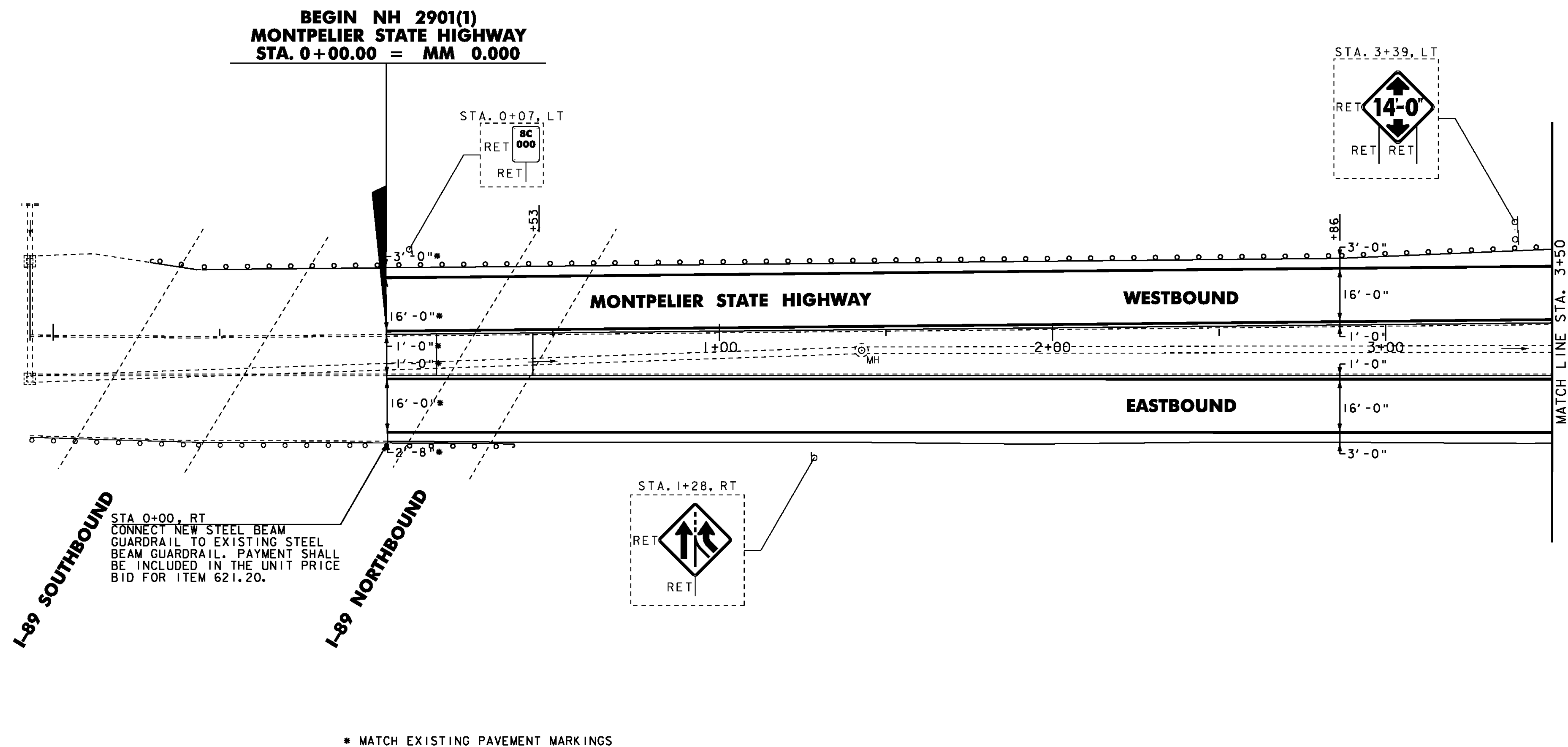
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. -0+70.5 TO 3+50, LT
 STA. 0+00 TO 0+38, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 0+00 TO 3+50, SOLID LT & RT



GENERAL LEGEND	
	= PROPOSED VIDEO VEHICLE DETECTORS
	= EXISTING VEHICLE LOOP DETECTORS
	= EXISTING SIGNAL HEAD
	= EXISTING DI
	= EXISTING MH
	= EXISTING UTILITY POLE
	= EXISTING GUARDRAIL
	= PROPOSED GUARDRAIL
	= EXISTING PIPE
	= EXISTING HEADWALL
	= EXISTING RAILROAD

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

NOT TO SCALE

NOTE: ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

PROJECT LAYOUT SHEET #1	PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
	PROJECT NUMBER: NH 2901(1)	
	FILE NAME: p09B316.dgn	DRAWN BY: STANTEC
	PROJECT LEADER: JLL	CHECKED BY: STANTEC
	DESIGNED BY: STANTEC	SHEET 42 OF 79
	IPARM FILE: p09b316101.i	



604.412 OR 604.415 REHAB,
DLS, CBS OR MHS, CLASS 1 OR 11
STA. 5+93, RT
STA. 6+93, RT
STA. 8+93, LT
STA. 8+93, RT

616.35 TREATED TIMBER CURB
STA. 5+28 TO 8+98, LT
STA. 5+93 TO 9+50, RT

616.47 BITUMINOUS CONCRETE GUTTERS AND
TRAFFIC ISLANDS
STA. 4+97.0, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 3+50.0 TO 4+17.0, LT
STA. 4+71.0 TO 9+50.0, LT
STA. 5+28.0 TO 5+90.5, RT (MEDIAN)
STA. 5+65.5 TO 6+28.0, LT (MEDIAN)
STA. 5+88.5 TO 9+50.0, RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
STA. 4+17.0 TO 4+54.5, LT
STA. 4+90.5 TO 5+28.0, RT
STA. 5+51.0 TO 5+88.5, RT
STA. 5+28.0 TO 5+65.5, LT
STA. 5+90.5 TO 6+28.0, RT
STA. 6+28.0 TO 6+65.5, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 4+71.0, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 3+50 TO 4+56, LT
STA. 4+71 TO 9+50, LT
STA. 5+32 TO 6+04, LT & RT
STA. 5+51 TO 9+50, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 3+50 TO 4+58, SOLID RT
STA. 3+50 TO 5+36, SOLID LT
STA. 4+63 TO 9+50, SOLID RT
STA. 5+44 TO 9+50, SOLID LT
STA. 7+69 TO 9+50, DASHED RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 4+58 TO 7+69, SOLID RT
STA. 4+59 TO 5+78, SOLID RT
STA. 5+36 TO 8+46, SOLID LT
STA. 5+38 TO 6+23, SOLID LT (INCLUDES DIAGONALS)
STA. 8+46 TO 9+50, DOTTED LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 6+85, LT ARROW
STA. 7+63, LT "ONLY"
STA. 8+43, LT ARROW

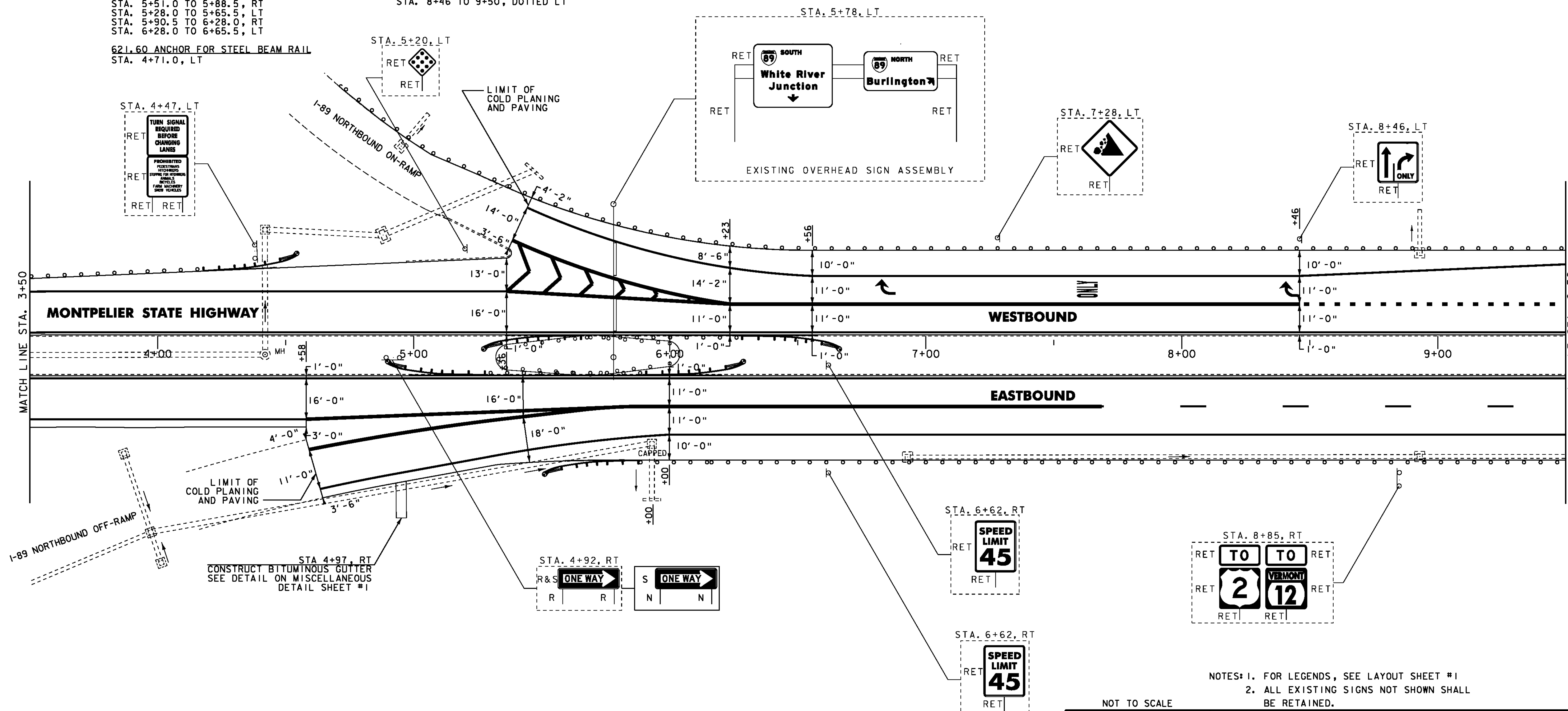
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 3+50 TO 4+58, SOLID RT
STA. 3+50 TO 5+36, SOLID LT
STA. 4+63 TO 9+50, SOLID RT
STA. 5+44 TO 9+50, SOLID LT
STA. 7+69 TO 9+50, DASHED RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 4+58 TO 7+69, SOLID RT
STA. 4+59 TO 5+78, SOLID RT
STA. 5+36 TO 8+46, SOLID LT
STA. 5+38 TO 6+23, SOLID LT (INCLUDES DIAGONALS)
STA. 8+46 TO 9+50, DOTTED LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 6+85, LT ARROW
STA. 7+63, LT "ONLY"
STA. 8+43, LT ARROW

675.50 REMOVING SIGNS
AS SHOWN - 1
675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #2**

PROJECT NAME: MONTPELIER		PLOT DATE: 26-MAY-2011	
PROJECT NUMBER: NH 290(I)		DRAWN BY: STANTEC	
FILE NAME: p09B316.dgn	DESIGNED BY: STANTEC	CHECKED BY: STANTEC	SHEET 43 OF 79
IPARM FILE: p09b316102.i			



604.412 OR 604.415 REHAB.
 DIS. CBS OR MHS, CLASS I OR II
 STA. 10+93, RT
 STA. 12+93, RT
 STA. 14+44, LT

616.35 TREATED TIMBER CURB
 STA. 9+50 TO 14+50, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 9+50.0 TO 10+58.5, LT
 STA. 9+50.0 TO 14+50.0, RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
 STA. 10+58.5 TO 10+96.0, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 9+50 TO 10+96, LT
 STA. 9+50 TO 14+50, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR SIDE ROADS)
 STA. 9+50 TO 14+50, SOLID LT & RT
 STA. 9+50 TO 14+50, DASHED RT
 STA. 10+46 TO 14+50, DASHED LT
 STA. 11+02 TO 13+25, DOTTED LT
 STA. 13+25 TO 14+50, DASHED LT
 STA. 13+37 TO 14+50, DOTTED RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
 STA. 9+50 TO 14+50, SOLID LT & RT

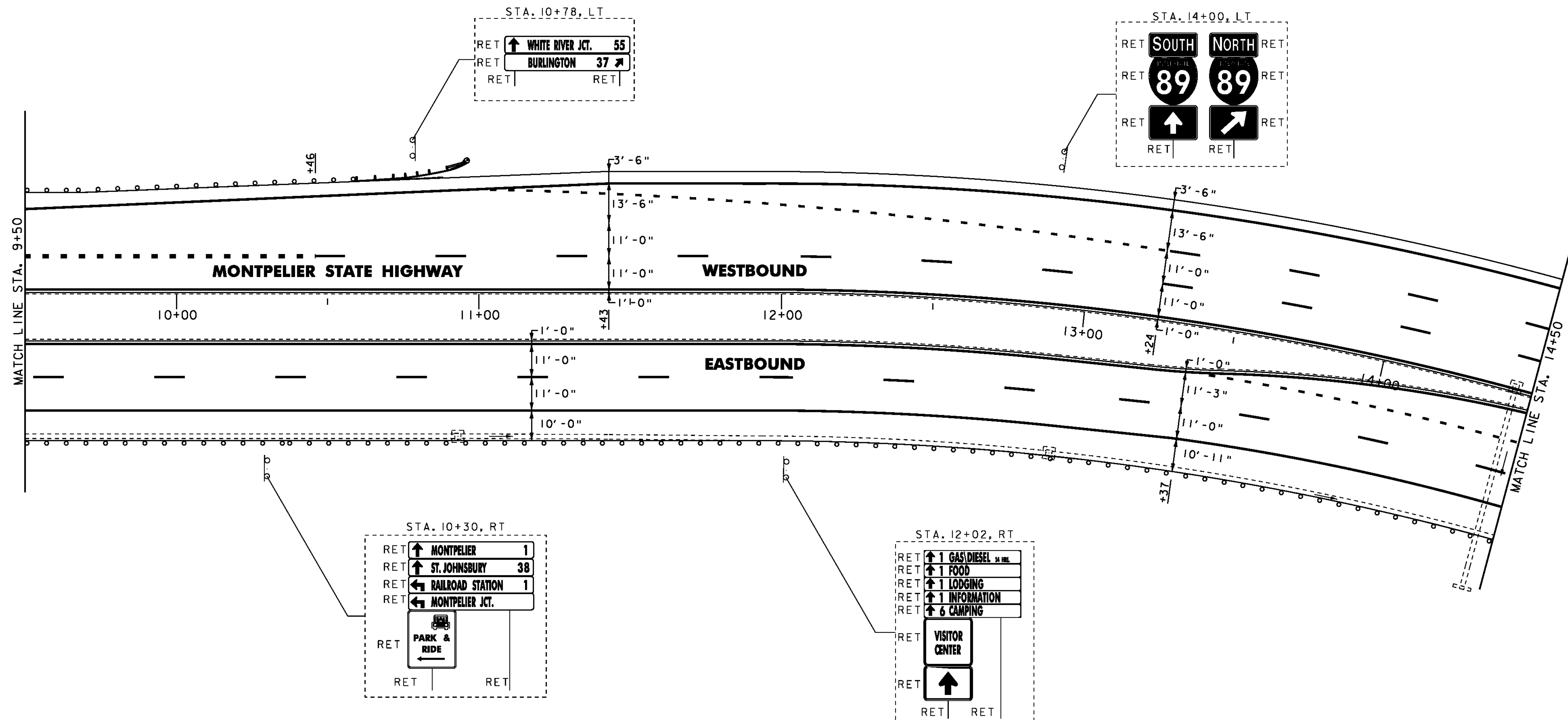
646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
 STA. 9+50 TO 10+46, DOTTED LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR SIDE ROADS)
 STA. 9+50 TO 14+50, SOLID LT & RT
 STA. 9+50 TO 14+50, DASHED RT
 STA. 10+46 TO 14+50, DASHED LT
 STA. 11+02 TO 13+25, DOTTED LT
 STA. 13+25 TO 14+50, DASHED LT
 STA. 13+37 TO 14+50, DOTTED RT

646.81 PAINTED CURB
 STA. 13+07 TO 13+67, RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
 STA. 9+50 TO 14+50, SOLID LT & RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
 STA. 9+50 TO 10+46, DOTTED LT



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #3

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: NH 290(I)	DRAWN BY: STANTEC
FILE NAME: p09B316.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 44 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p09b316i03.i	



604.412 OR 604.415 REHAB.
 01s, CBS OR MHS, CLASS I OR II
 STA. 14+93, RT
 STA. 17+35, LT
 STA. 17+37, RT
 STA. 17+65, LT
 STA. 18+69, RT
 STA. 19+82, LT
 STA. 20+49, LT

616.35 TREATED TIMBER CURB
 STA. 14+50 TO 18+78, RT
 STA. 19+91 TO 20+50, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 14+50.0 TO 20+50.0, RT
 STA. 19+91.0 TO 20+50.0, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 14+50 TO 20+50, RT
 STA. 19+91 TO 20+50, LT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADI1 FOR SIDE ROADS)
 STA. 14+50 TO 14+74, DASHED LT
 STA. 14+50 TO 15+95, SOLID LT
 STA. 14+50 TO 20+50, SOLID RT
 STA. 14+50 TO 17+67, DASHED LT
 STA. 14+50 TO 20+50, DASHED RT
 STA. 14+50 TO 14+98, DOTTED RT
 STA. 14+98 TO 17+94, SOLID RT
 STA. 16+00 TO 17+76, SOLID LT
 STA. 18+15 TO 19+84, SOLID LT
 STA. 18+20 TO 20+50, DASHED LT
 STA. 19+90 TO 20+50, SOLID LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 14+50 TO 17+39, SOLID LT & RT
 STA. 17+39 TO 17+69, DOUBLE SOLID LT & RT (INCLUDES DIAGONALS)
 STA. 18+15 TO 20+50, SOLID LT & RT

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
 STA. 14+74 TO 16+00, SOLID LT
 STA. 15+13 TO 15+99, SOLID LT
 STA. 19+84 TO 20+50, SOLID LT
 STA. 19+86 TO 20+50, SOLID LT (INCLUDES DIAGONALS)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
 STA. 15+00, RT ARROW
 STA. 15+53, RT "ONLY"
 STA. 16+03, RT ARROW
 STA. 16+56, RT "ONLY"
 STA. 17+07, RT ARROW
 STA. 17+59, RT "ONLY"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADI1 FOR SIDE ROADS)
 STA. 14+50 TO 14+74, DASHED LT
 STA. 14+50 TO 15+95, SOLID LT
 STA. 14+50 TO 20+50, SOLID RT
 STA. 14+50 TO 17+67, DASHED LT
 STA. 14+50 TO 20+50, DASHED RT
 STA. 14+50 TO 14+98, DOTTED RT
 STA. 14+98 TO 17+94, SOLID RT
 STA. 16+00 TO 17+76, SOLID LT
 STA. 18+15 TO 19+84, SOLID LT
 STA. 18+20 TO 20+50, DASHED LT
 STA. 19+90 TO 20+50, SOLID LT

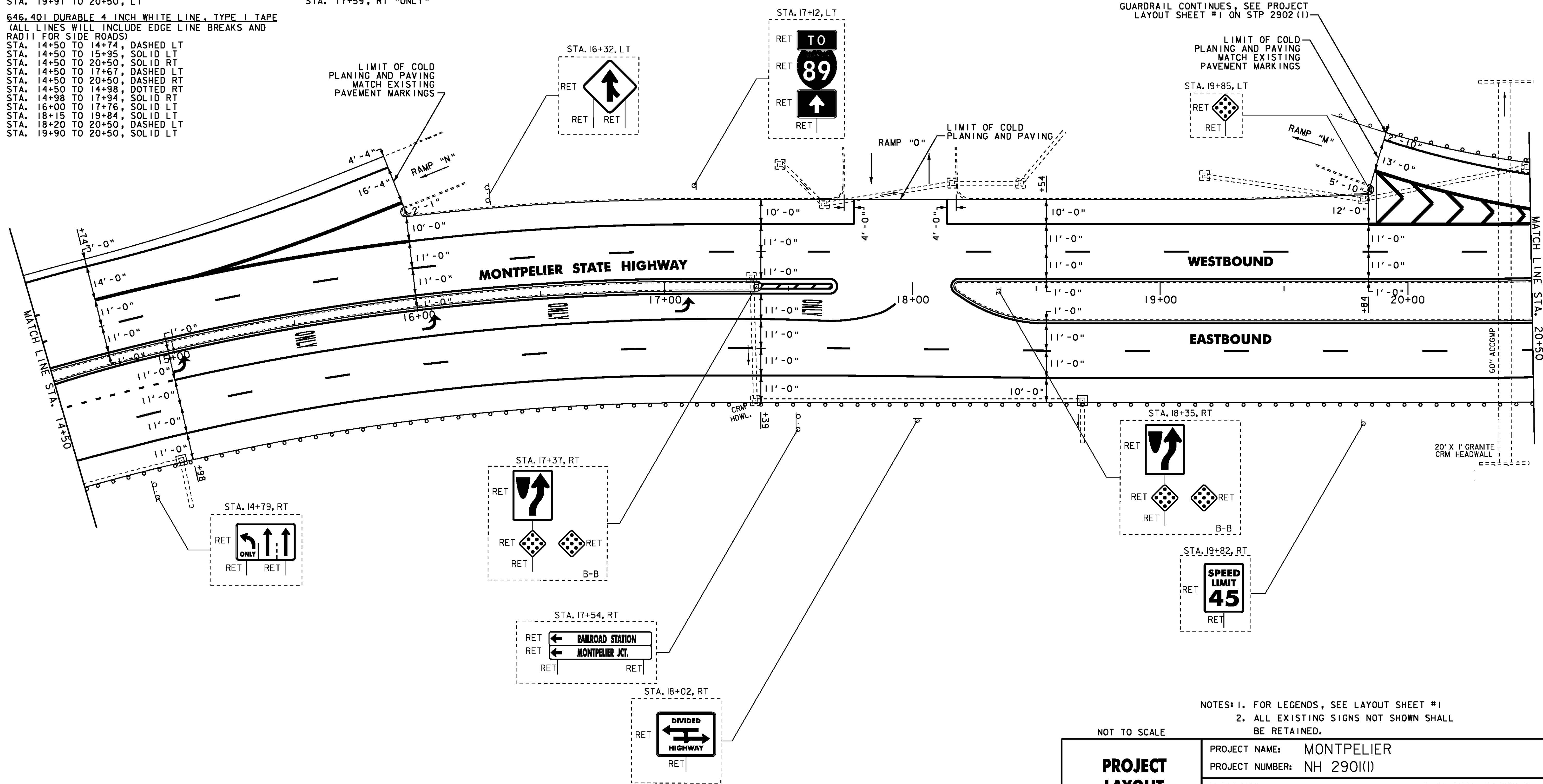
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 14+50 TO 17+39, SOLID LT & RT
 STA. 17+39 TO 17+69, DOUBLE SOLID LT & RT (INCLUDES DIAGONALS)
 STA. 18+15 TO 20+50, SOLID LT & RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
 STA. 14+74 TO 16+00, SOLID LT
 STA. 15+13 TO 15+99, SOLID LT
 STA. 19+84 TO 20+50, SOLID LT
 STA. 19+86 TO 20+50, SOLID LT (INCLUDES DIAGONALS)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 15+00, RT ARROW
 STA. 15+53, RT "ONLY"
 STA. 16+03, RT ARROW
 STA. 16+56, RT "ONLY"
 STA. 17+07, RT ARROW
 STA. 17+59, RT "ONLY"

646.81 PAINTED CURB
 STA. 14+68 TO 15+28, RT
 STA. 17+09 TO 17+39, LT & RT
 STA. 18+17 TO 18+48, LT & RT

646.82 PAINTED ISLAND
 14+98 TO 17+39, LT & RT



GUARDRAIL CONTINUES, SEE PROJECT LAYOUT SHEET #1 ON STP 2902 (1)

LIMIT OF COLD PLANING AND PAVING MATCH EXISTING PAVEMENT MARKINGS

STA. 19+85, LT

RAMP "M"

13'-0"

5'-10"

12'-0"

11'-0"

11'-0"

11'-0"

11'-0"

10'-0"

11'-0"

11'-0"

11'-0"

11'-0"

11'-0"

10'-0"

11'-0"

11'-0"

11'-0"

11'-0"

11'-0"

11'-0"

NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: NH 290(I)

FILE NAME: p09B316.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b316104.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 45 OF 79



604.412 OR 604.415 REHAB,
Dis. CBs OR MHS, CLASS I OR II
STA. 22+90, LT
STA. 24+44, RT

616.35 TREATED TIMBER CURB
STA. 20+50 TO 23+02, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 20+50.0 TO 26+50.0, LT
STA. 20+50.0 TO 26+50.0, RT
STA. 23+04.0 TO 23+66.5, RT (MEDIAN)
STA. 23+41.5 TO 24+04.0, LT (MEDIAN)

621.50 MANUFACTURED TERMINAL SECTION, FLARED
STA. 22+66.5 TO 23+04.0, RT (MEDIAN)
STA. 23+04.0 TO 23+41.5, LT (MEDIAN)
STA. 23+66.5 TO 24+04.0, RT (MEDIAN)
STA. 24+04.0 TO 24+41.5, LT (MEDIAN)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 20+50 TO 26+50, LT
STA. 20+50 TO 26+50, RT
STA. 23+19 TO 23+90, LT & RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 20+50 TO 26+50, SOLID LT & RT
STA. 20+50 TO 26+50, DASHED LT & RT
STA. 20+91 TO 23+63, SOLID LT
STA. 23+63 TO 25+96, DOTTED LT
STA. 24+10 TO 26+50, DOTTED RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
STA. 20+50 TO 26+50, SOLID LT & RT

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
STA. 20+50 TO 20+91, DOUBLE SOLID LT (INCLUDES DIAGONALS)
STA. 23+54, LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 20+98, LT ARROW
STA. 21+65, LT "ONLY"
STA. 22+28, LT ARROW
STA. 22+92, LT "ONLY"
STA. 23+60, LT ARROW
STA. 24+94, RT "SIGNAL" (2)
STA. 25+34, RT "AHEAD" (2)

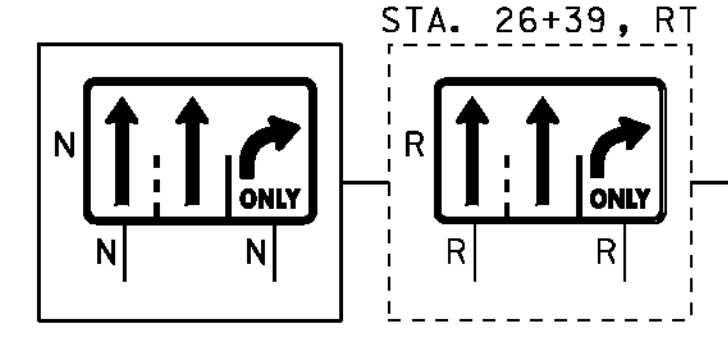
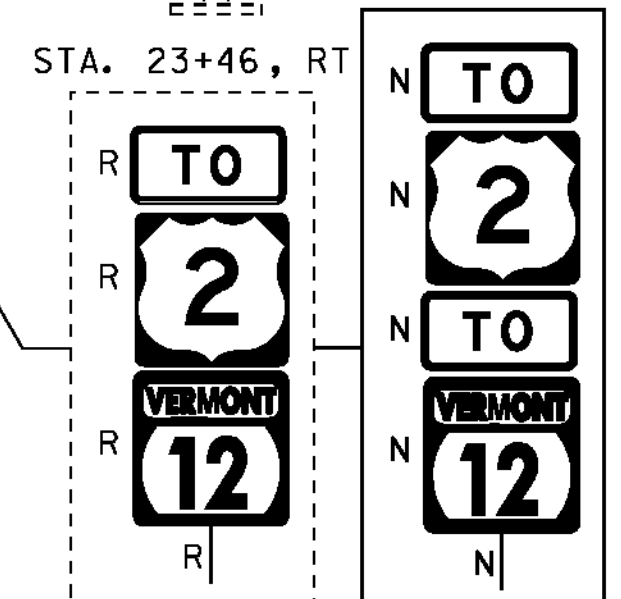
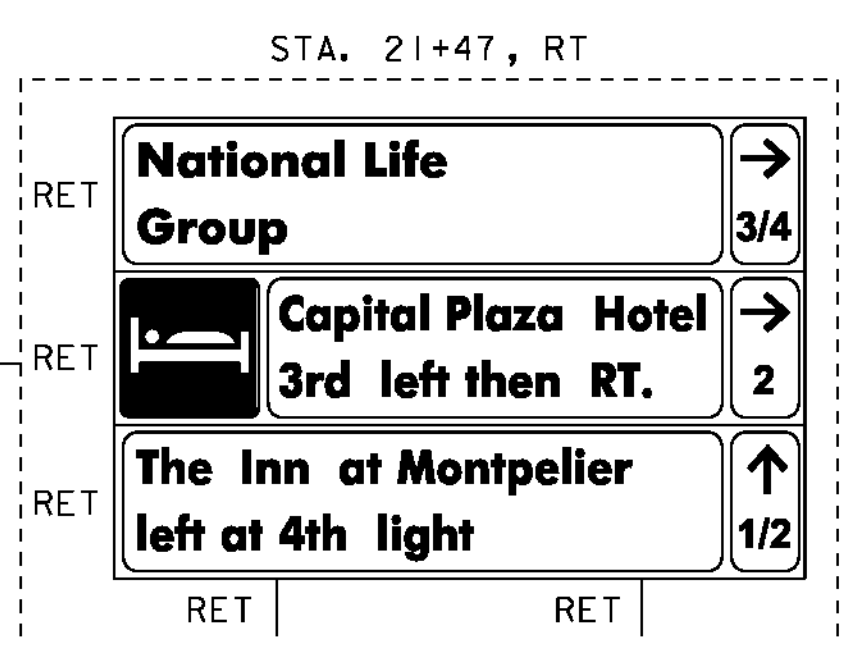
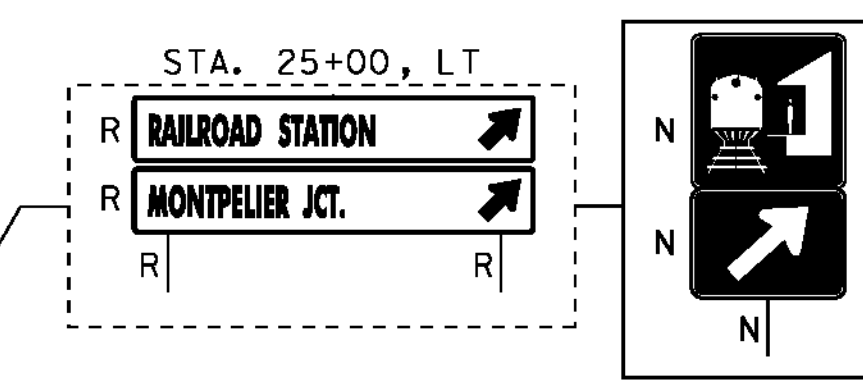
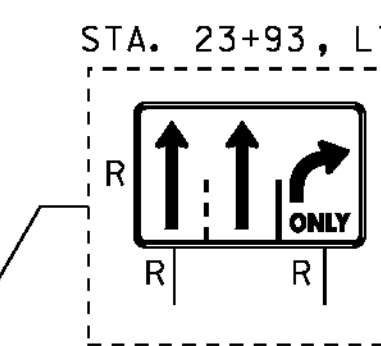
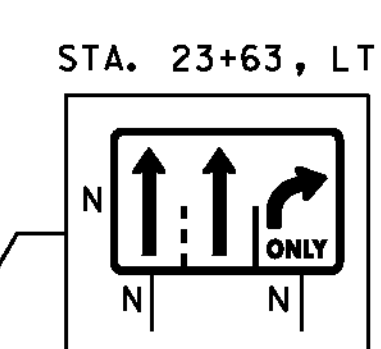
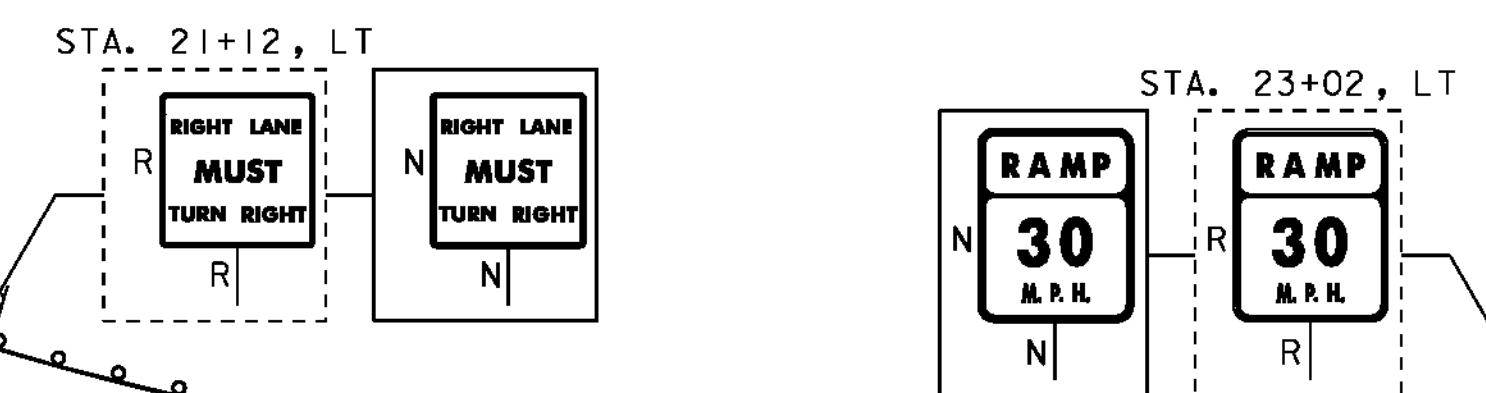
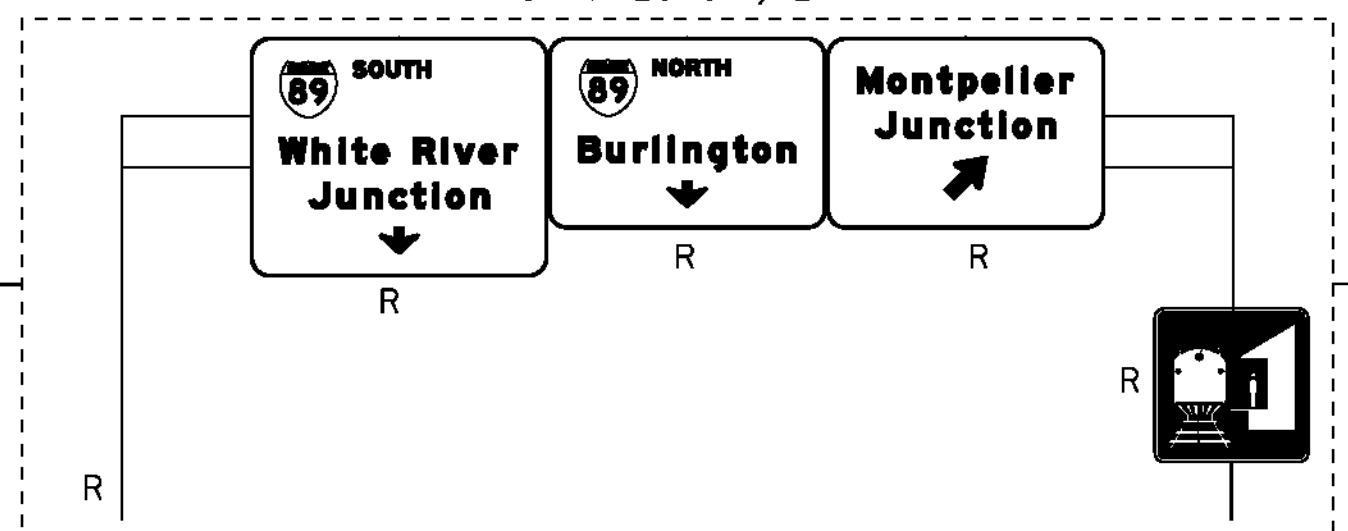
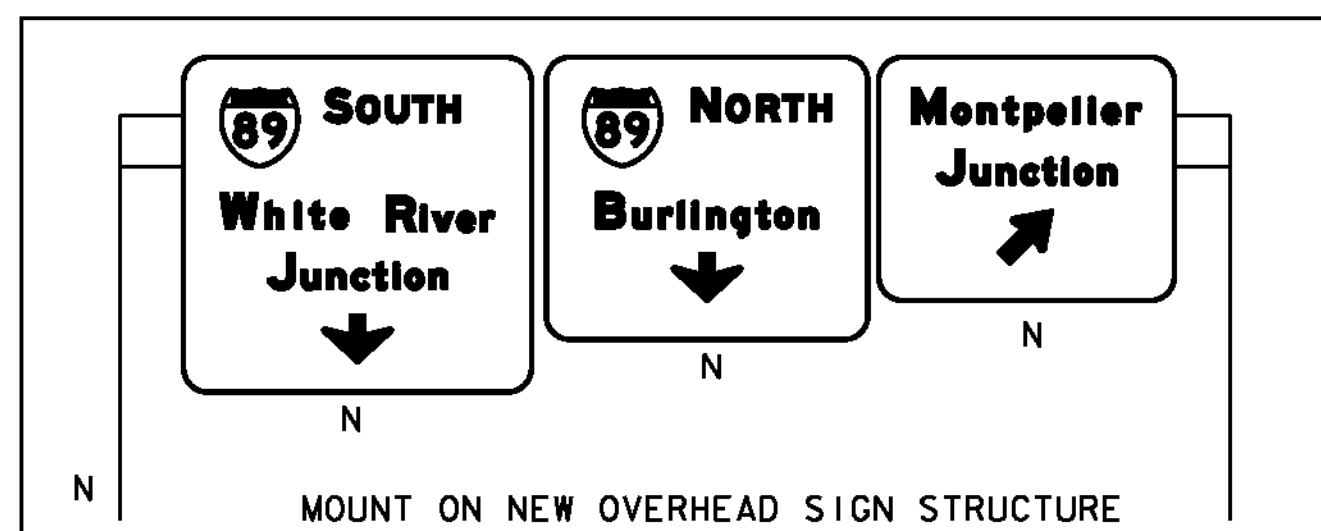
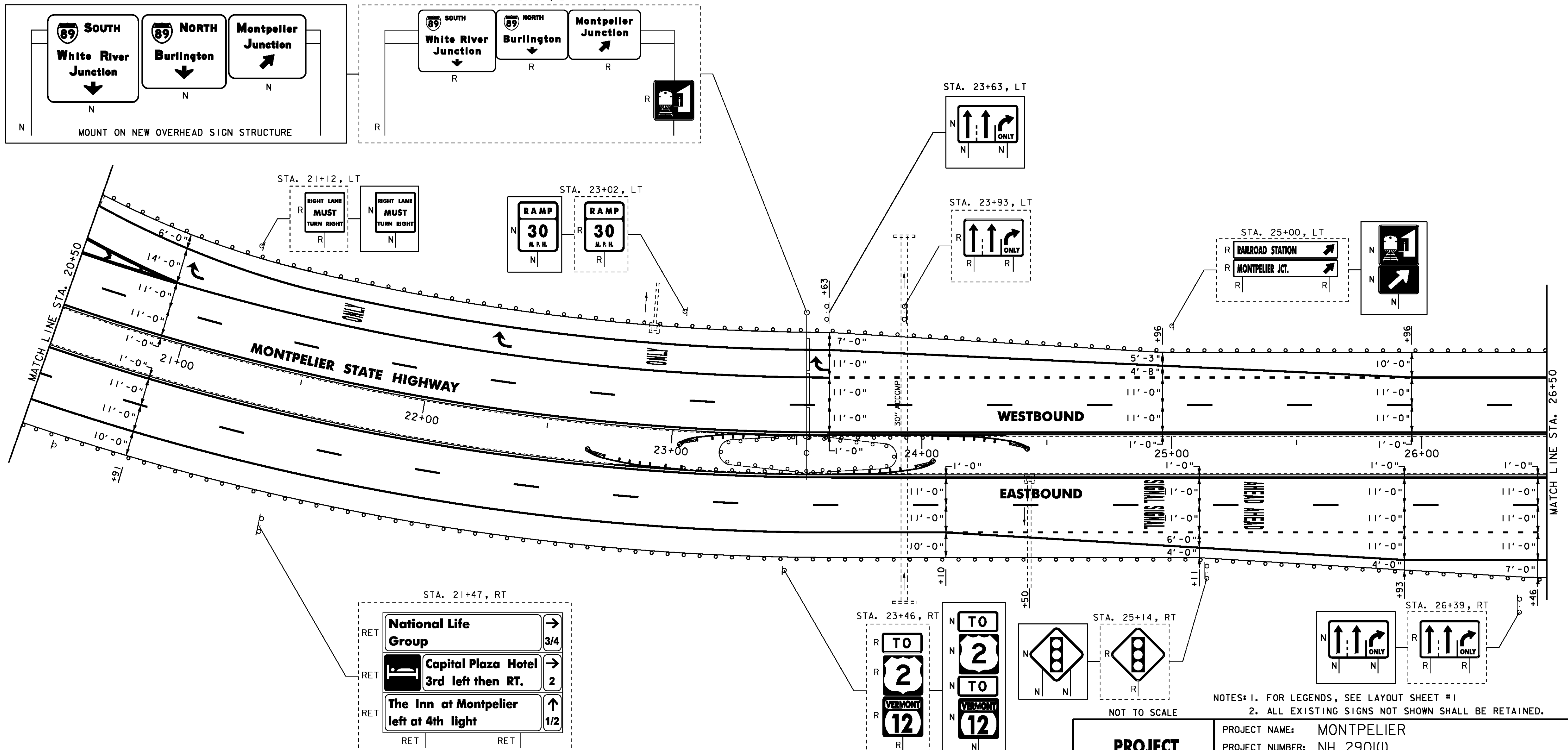
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 20+50 TO 26+50, SOLID LT & RT
STA. 20+50 TO 26+50, DASHED LT & RT
STA. 20+91 TO 23+63, SOLID LT
STA. 23+63 TO 25+96, DOTTED LT
STA. 24+10 TO 26+50, DOTTED RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
STA. 20+50 TO 26+50, SOLID LT & RT

646.442 TEMPORARY 8 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
STA. 20+50 TO 20+91, DOUBLE SOLID LT (INCLUDES DIAGONALS)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 20+98, LT ARROW
STA. 21+65, LT "ONLY"
STA. 22+28, LT ARROW
STA. 22+92, LT "ONLY"
STA. 23+60, LT ARROW
STA. 24+94, RT "SIGNAL" (2)
STA. 25+34, RT "AHEAD" (2)

675.50 REMOVING SIGNS
AS SHOWN - 14



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

PROJECT LAYOUT SHEET #5



PROJECT NAME: MONTPELIER
PROJECT NUMBER: NH 290(I)
FILE NAME: p09B316.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b316i05.i
PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 46 OF 79

616.20 GRANITE SLOPE EDGING
 STA. 29+10 TO 29+86, LT & RT (MEDIAN)

616.41 REMOVAL OF EXISTING CURB
 STA. 29+10 TO 29+95, LT & RT (MEDIAN)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 26+50.0 TO 32+50.0, LT
 STA. 26+50.0 TO 30+01.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
 STA. 30+01.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 26+50 TO 32+50, LT
 STA. 26+50 TO 30+00, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 STA. 26+50 TO 32+50, SOLID LT & RT
 STA. 26+50 TO 26+55, DOTTED RT
 STA. 26+50 TO 29+48, DASHED RT
 STA. 26+50 TO 29+57, DASHED LT
 STA. 26+55 TO 29+48, SOLID RT
 STA. 29+98, SOLID RT (NATIONAL LIFE DRIVE WESTBOUND)
 STA. 30+21 TO 32+12, SOLID LT
 STA. 30+58 TO 32+50, DASHED RT
 STA. 30+96 TO 32+50, DASHED LT
 STA. 31+51, SOLID RT (NATIONAL LIFE DRIVE EASTBOUND)
 STA. 32+12 TO 32+50, DOTTED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 26+50 TO 29+87, SOLID LT & RT
 STA. 30+47 TO 30+95, QUAD SOLID RT (INCLUDES DIAGONALS)
 STA. 30+95 TO 32+50, SOLID LT & RT
 STA. 29+98, DOUBLE SOLID RT (NATIONAL LIFE DRIVE WESTBOUND)
 STA. 31+51, SOLID RT (NATIONAL LIFE DRIVE EASTBOUND)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
 STA. 29+48, RT
 STA. 29+98, RT (NATIONAL LIFE DR WESTBOUND)
 STA. 30+76, LT
 STA. 30+95, LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
 STA. 26+57, RT ARROW
 STA. 27+31, RT "ONLY"
 STA. 27+99, RT ARROW
 STA. 28+67, RT "ONLY"
 STA. 29+39, RT ARROW
 STA. 29+39, RT ARROW
 STA. 30+95, RT ARROW
 STA. 31+51, RT YIELD BAR (NATIONAL LIFE DR EASTBOUND)
 STA. 31+51, RT "ONLY"
 STA. 32+09, RT ARROW

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 STA. 26+50 TO 32+50, SOLID LT & RT
 STA. 26+50 TO 26+55, DOTTED RT
 STA. 26+50 TO 29+48, DASHED RT
 STA. 26+50 TO 29+57, DASHED LT
 STA. 26+55 TO 29+48, SOLID RT
 STA. 29+98, SOLID RT (NATIONAL LIFE DRIVE WESTBOUND)
 STA. 30+21 TO 32+12, SOLID LT
 STA. 30+58 TO 32+50, DASHED RT
 STA. 30+96 TO 32+50, DASHED LT
 STA. 31+51, SOLID RT (NATIONAL LIFE DRIVE EASTBOUND)
 STA. 32+12 TO 32+50, DOTTED LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 26+50 TO 29+87, SOLID LT & RT
 STA. 30+47 TO 30+95, QUAD SOLID RT (INCLUDES DIAGONALS)
 STA. 30+95 TO 32+50, SOLID LT & RT
 STA. 29+98, DOUBLE SOLID RT (NATIONAL LIFE DRIVE WESTBOUND)
 STA. 31+51, SOLID RT (NATIONAL LIFE DRIVE EASTBOUND)

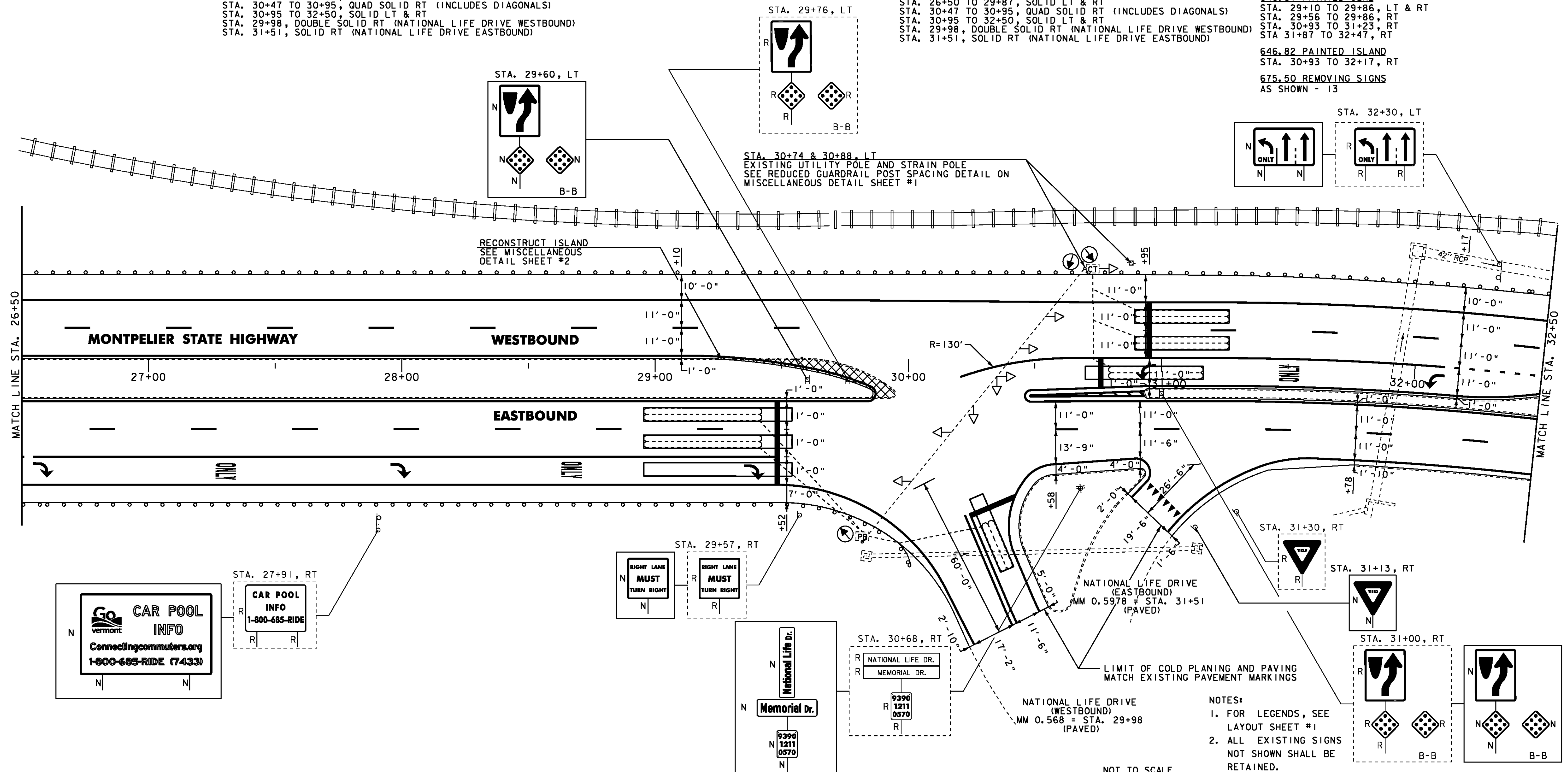
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 29+48, RT
 STA. 29+98, RT (NATIONAL LIFE DR WESTBOUND)
 STA. 30+76, LT
 STA. 30+95, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 26+57, RT ARROW
 STA. 27+31, RT "ONLY"
 STA. 27+99, RT ARROW
 STA. 28+67, RT "ONLY"
 STA. 29+39, RT ARROW
 STA. 30+95, RT ARROW
 STA. 31+51, RT YIELD BAR (NATIONAL LIFE DR EASTBOUND)
 STA. 31+51, RT "ONLY"
 STA. 32+09, RT ARROW

646.81 PAINTED CURB
 STA. 29+10 TO 29+86, LT & RT
 STA. 29+56 TO 29+86, RT
 STA. 30+93 TO 31+23, RT
 STA. 31+87 TO 32+47, RT

646.82 PAINTED ISLAND
 STA. 30+93 TO 32+17, RT

675.50 REMOVING SIGNS
 AS SHOWN - 13



NOTES:
 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #6

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: NH 290(I)
 FILE NAME: p09B316.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b316106.i
 PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 47 OF 79



604.412 OR 604.415 REHAB.
 QIs, CBs OR MHS, CLASS 1 OR 11
 STA. 33+86, LT
 STA. 33+86, RT
 STA. 35+60, LT
 STA. 35+60, RT
 STA. 37+87, LT
 STA. 37+87, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 32+50.0 TO 34+53.5, LT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
 STA. 34+53.5 TO 34+91.0, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 32+50 TO 34+95, LT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 32+50 TO 38+50, SOLID LT & RT
 STA. 32+50 TO 38+50, DASHED RT
 STA. 32+50 TO 33+00, DOTTED LT
 STA. 32+50 TO 36+40, DASHED LT
 STA. 37+11, SOLID LT (GREEN MOUNTAIN DRIVE)
 STA. 37+93 TO 38+50, DASHED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 32+50 TO 35+95, SOLID LT & RT
 STA. 35+95 TO 36+20, QUAD SOLID RT (INCLUDES DIAGONALS)
 STA. 36+20 TO 36+87, DOUBLE SOLID RT
 STA. 37+11, DOUBLE SOLID LT (GREEN MOUNTAIN DRIVE)
 STA. 37+29 TO 38+50, DOUBLE SOLID RT

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
 STA. 37+11, LT (GREEN MOUNTAIN DRIVE)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
 STA. 34+77, LT "AHEAD" (2)
 STA. 35+17, LT "SIGNAL" (2)
 STA. 37+11, LT "STOP" (GREEN MOUNTAIN DRIVE)
 STA. 37+11, LT "STOP" (GREEN MOUNTAIN DRIVE)
 STA. 37+26, LT YIELD BAR (GREEN MOUNTAIN DRIVE)

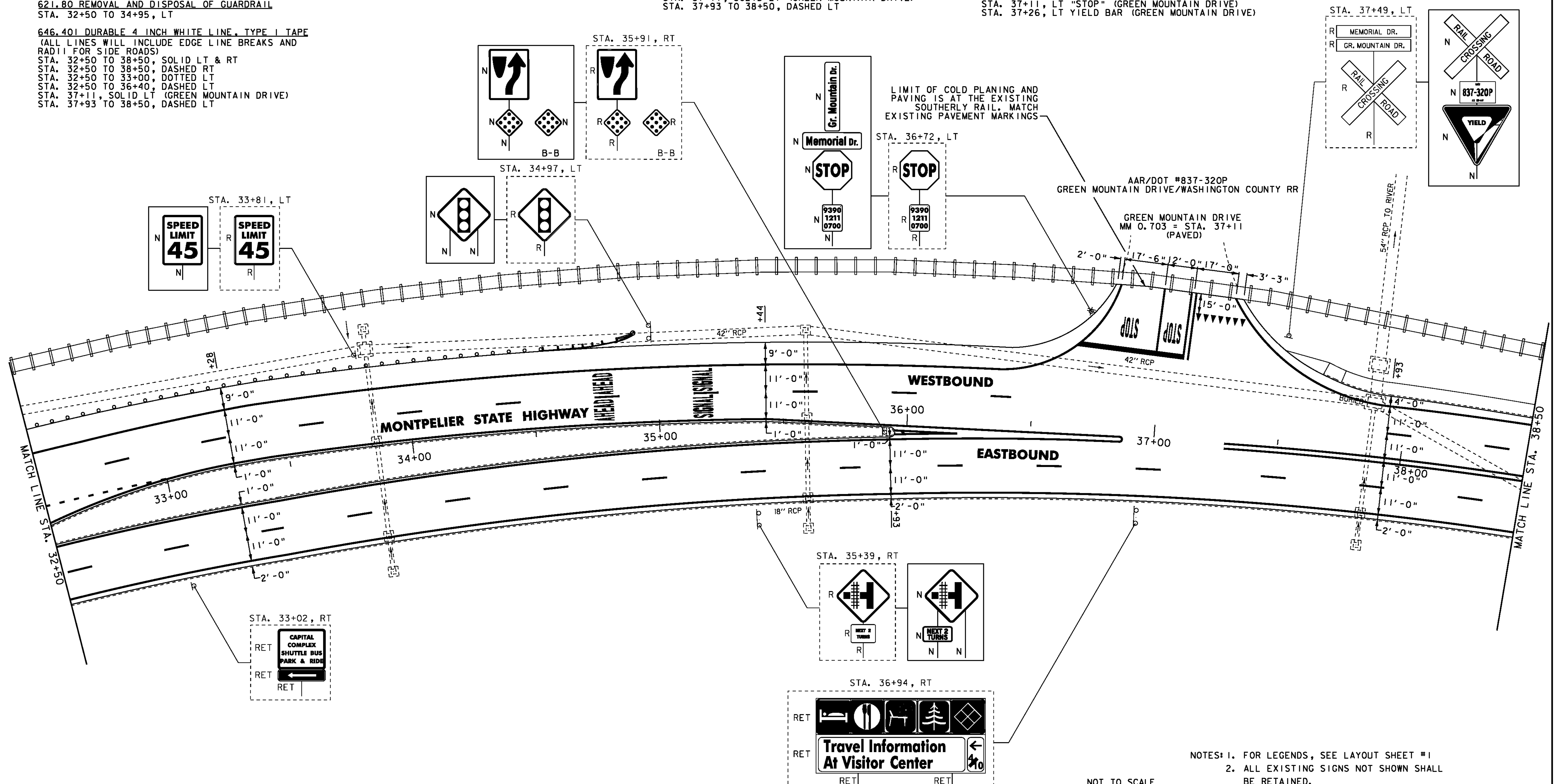
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 32+50 TO 38+50, SOLID LT & RT
 STA. 32+50 TO 38+50, DASHED RT
 STA. 32+50 TO 33+00, DOTTED LT
 STA. 32+50 TO 36+40, DASHED LT
 STA. 37+11, SOLID LT (GREEN MOUNTAIN DRIVE)
 STA. 37+93 TO 38+50, DASHED LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 32+50 TO 35+95, SOLID LT & RT
 STA. 35+95 TO 36+20, QUAD SOLID RT (INCLUDES DIAGONALS)
 STA. 36+20 TO 36+87, DOUBLE SOLID RT
 STA. 37+11, DOUBLE SOLID LT (GREEN MOUNTAIN DRIVE)
 STA. 37+29 TO 38+50, DOUBLE SOLID RT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 37+11, LT (GREEN MOUNTAIN DRIVE)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 34+77, LT "AHEAD" (2)
 STA. 35+17, LT "SIGNAL" (2)
 STA. 37+11, LT "STOP" (GREEN MOUNTAIN DRIVE)
 STA. 37+11, LT "STOP" (GREEN MOUNTAIN DRIVE)
 STA. 37+26, LT YIELD BAR (GREEN MOUNTAIN DRIVE)

646.81 PAINTED CURB
 STA. 32+98 TO 33+58, LT
 STA. 35+65 TO 35+95, LT
 675.50 REMOVING SIGNS
 AS SHOWN - 12



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL
 BE RETAINED.

NOT TO SCALE

**PROJECT
 LAYOUT
 SHEET #7**

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: NH 290(I)	DRAWN BY: STANTEC
FILE NAME: p09B316.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 48 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p09b316107.i	



604.412 OR 604.415 REHAB,
DIS. CBS OR MHS, CLASS 1 OR 11
STA. 39+81, RT

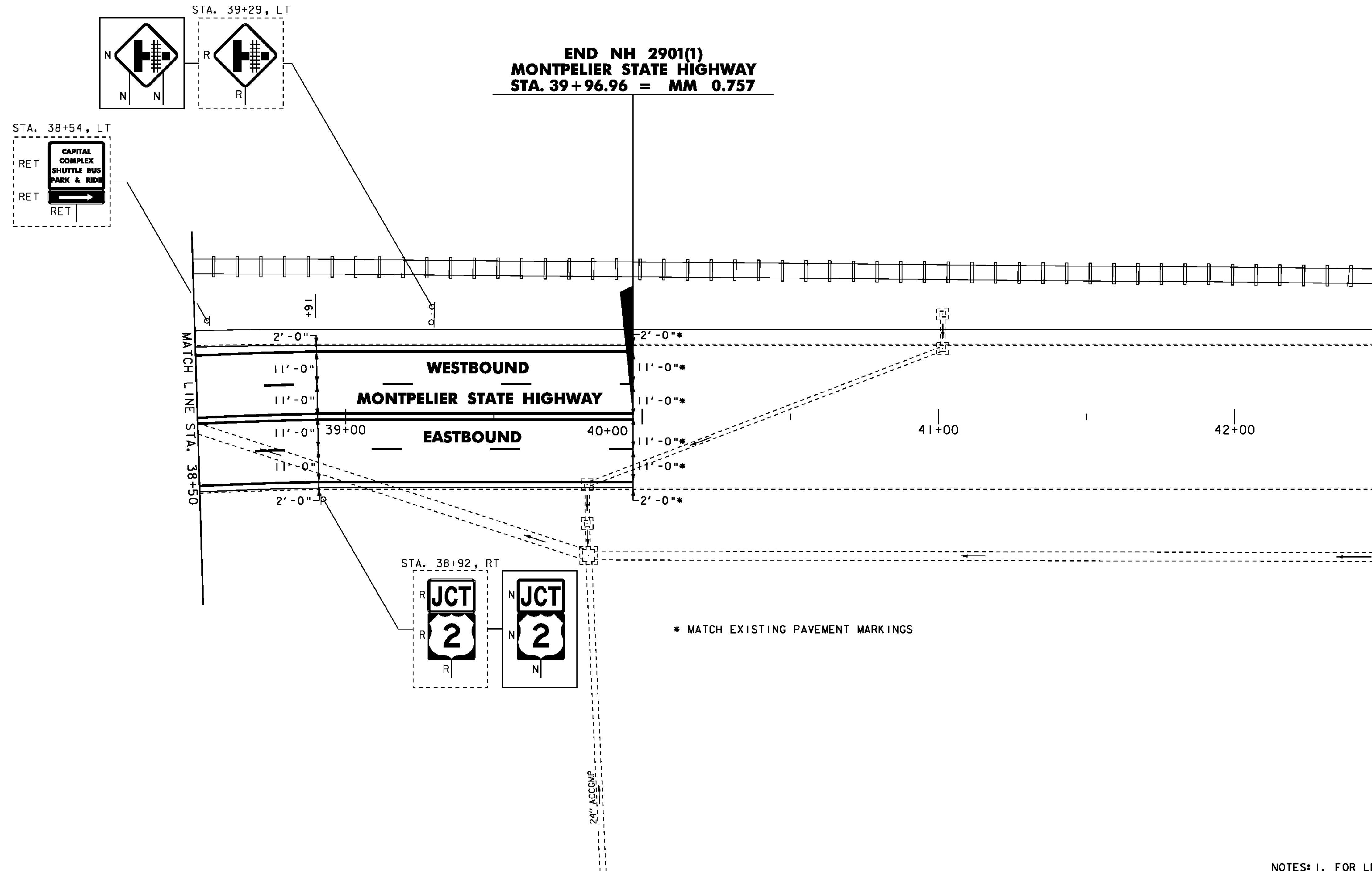
646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 38+50 TO 39+97, SOLID LT & RT
STA. 38+50 TO 39+97, DASHED LT & RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 38+50 TO 39+97, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 38+50 TO 39+97, SOLID LT & RT
STA. 38+50 TO 39+97, DASHED LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 3

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 38+50 TO 39+97, SOLID LT & RT



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #8**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: NH 2901(1)

FILE NAME: p09B316.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b316108.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 49 OF 79



TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN	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 (In)			TUBULAR STEEL (In)				W-SHAPE STEEL				DETAIL ON SHEET NUMBER	STD. SHEET NUMBER						
													1.75	2.0	2.5	3.0	4.0	4.0	4.0	MOD	FOUND-ATION	3.0	3.5	4.0		5.0			FTG. SIZE		WEIGHT	POST SIZE		
																													1.2	2.0			3.0	1.88
MONTPELIER STATE HIGHWAY																																		
4+92, RT									2				X		X															-	-			
21+12, LT									1																					SEE FHWASHS				
23+02, LT									1									X												W13-3	SEE FHWASHS			
23+46, RT			36	18	4.50																									M4-5	SEE FHWASHS			
			36	36	9.00																										MI-4	SEE FHWASHS		
			36	18	4.50											X															M4-5	E-136B		
			36	36	9.00																											M4-5	E-136B	
23+54, LT			162	156		175.50																									55			
			150	132		137.50																										MOUNT NEW SIGNS ON NEW OVERHEAD STRUCTURE AS SHOWN ON OVERHEAD TRAFFIC SIGN SUPPORT DETAIL SHEETS	55	
			144	114		114.00																										55		
										FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	LB	LB	LB	LB	EA	EA	EA	EA	EA			PROJECT NAME: MONTPELIER			
										FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS *SIGN POST DESIGN GUIDELINE.*																	PROJECT NUMBER: NH 290(I)							
TOTALS		SF	SF	EA.	EA.					30		17				61		153									FILE NAME: p09b316.dgn	PLOT DATE: 26-MAY-2011						
		48.00	427.00	1						47				61		153									PROJECT LEADER: JLL	DRAWN BY: STANTEC								
																									DESIGNED BY: STANTEC	CHECKED BY: STANTEC								
																									IPARM FILE: p09b316tss01.i	SHEET 50 OF 79								



TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN	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 (In)			TUBULAR STEEL (In)				W-SHAPE STEEL		DETAIL ON SHEET NUMBER		STD. SHEET NUMBER		
												1.2	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"				WEIGHT	POST SIZE
MONTPELIER STATE HIGHWAY (CONT.)																															
23+63, LT		1		48	30	10.00			2				X		X										VR-935	E-145B					
25+00, LT		1		30	30	6.25			1					X	X											I-7	SEE FHWA SHS				
		1		30	21	4.38																				M6-2	SEE FHWA SHS				
25+14, RT		1		48	48	16.00			2					X	X											W3-3	SEE FHWA SHS				
26+39, RT		1		48	30	10.00			2				X		X											VR-935	E-145B				
27+91, RT		1		78	48		26.00		2							X										54					
29+57, RT		1		36	36	9.00			1					X	X												R3-7R	SEE FHWA SHS			
29+60, LT		1		36	48	12.00			1						X	X											R4-7	SEE FHWA SHS			
		1		18	18	2.25																					OMI-1	SEE FHWA SHS			
		1		18	18	2.25																					OMI-1	SEE FHWA SHS			
30+68, RT		1		54	12	4.50			1							X		X									54				
		1		42	12	3.50																					54				
		1		6	10	0.42																						E-138			
31+00, RT		1		36	48	12.00			1						X	X												R4-7	SEE FHWA SHS		
		1		18	18	2.25																						OMI-1	SEE FHWA SHS		
		1		18	18	2.25																						OMI-1	SEE FHWA SHS		
										FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	LB	LB	EA	EA	LB							
															85	102															
										TOTALS		SF	SF	EA.	EA.		FT	FT	LB	EA.	LB	EA.	EA.	LB							
												97.05	26.00																		
																				PROJECT NAME: MONTPELIER		PROJECT NUMBER: NH 290I(I)									
																				FILE NAME: p09b316.dgn		PLOT DATE: 26-MAY-2011									
																				PROJECT LEADER: JLL		DRAWN BY: STANTEC									
																				DESIGNED BY: STANTEC		CHECKED BY: STANTEC									
																				IPARM FILE: p09b316ss02.i		SHEET 51 OF 79									

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



PROJECT NAME: MONTPELIER
PROJECT NUMBER: NH 290I(I)
FILE NAME: p09b316.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b316ss02.i
PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 51 OF 79


TRAFFIC SIGN SUMMARY SHEET 03

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS														REMARKS	SIGN DETAIL									
		E	A	WIDTH (In)	HEIGHT (In)	"A"	"B"			SALV SIGN	SALV TIS	SALVAGE	REMAIN	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
														1.2	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	FTG. SIZE			WEIGHT	POST SIZE		
																																	lb/ft	lb/ft
MONTPELIER STATE HIGHWAY (CONT.)																																		
31+13, RT		1		36	36	3.90									X		X													RI-2	SEE FHWA SHS			
32+30, LT		1		48	30	10.00									X		X													VR-935	E-145B			
33+81, LT		1		36	48	12.00												X												R2-1	SEE FHWA SHS			
34+97, LT		1		48	48	16.00											X	X												W3-3	SEE FHWA SHS			
35+39, RT	 	1		48	48	16.00											X	X													W10-3	SEE FHWA SHS		
		1		24	12	2.00																									54			
35+91, RT	 	1		36	48	12.00											X	X														R4-7	SEE FHWA SHS	
		1		18	18	2.25																										OMI-1	SEE FHWA SHS	
36+72, LT	 	1		54	12	4.50																										54		
		1		42	12	3.50																										54		
		1		30	30	6.25										X		X														RI-1	SEE FHWA SHS	
		1		6	10	0.42																											E-138	
37+49, LT	 	2		48	9	6.00																											RI5-INSTALL 2' WHITE REFLECTIVE STRIP ON POST PER MUTCD	E-190
		1		10	6	0.42												X	X													54		
		1		48	48	6.93																											RI-2	SEE FHWA SHS
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS *SIGN POST DESIGN GUIDELINE.*		TOTALS		SF	SF	EA.	EA.				FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
				104.42											65	90		24																


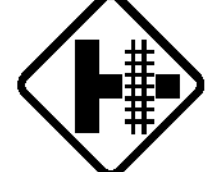
PROJECT NAME: MONTPELIER
PROJECT NUMBER: NH 290(I)

FILE NAME: p09b316.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b316tss03.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 52 OF 79



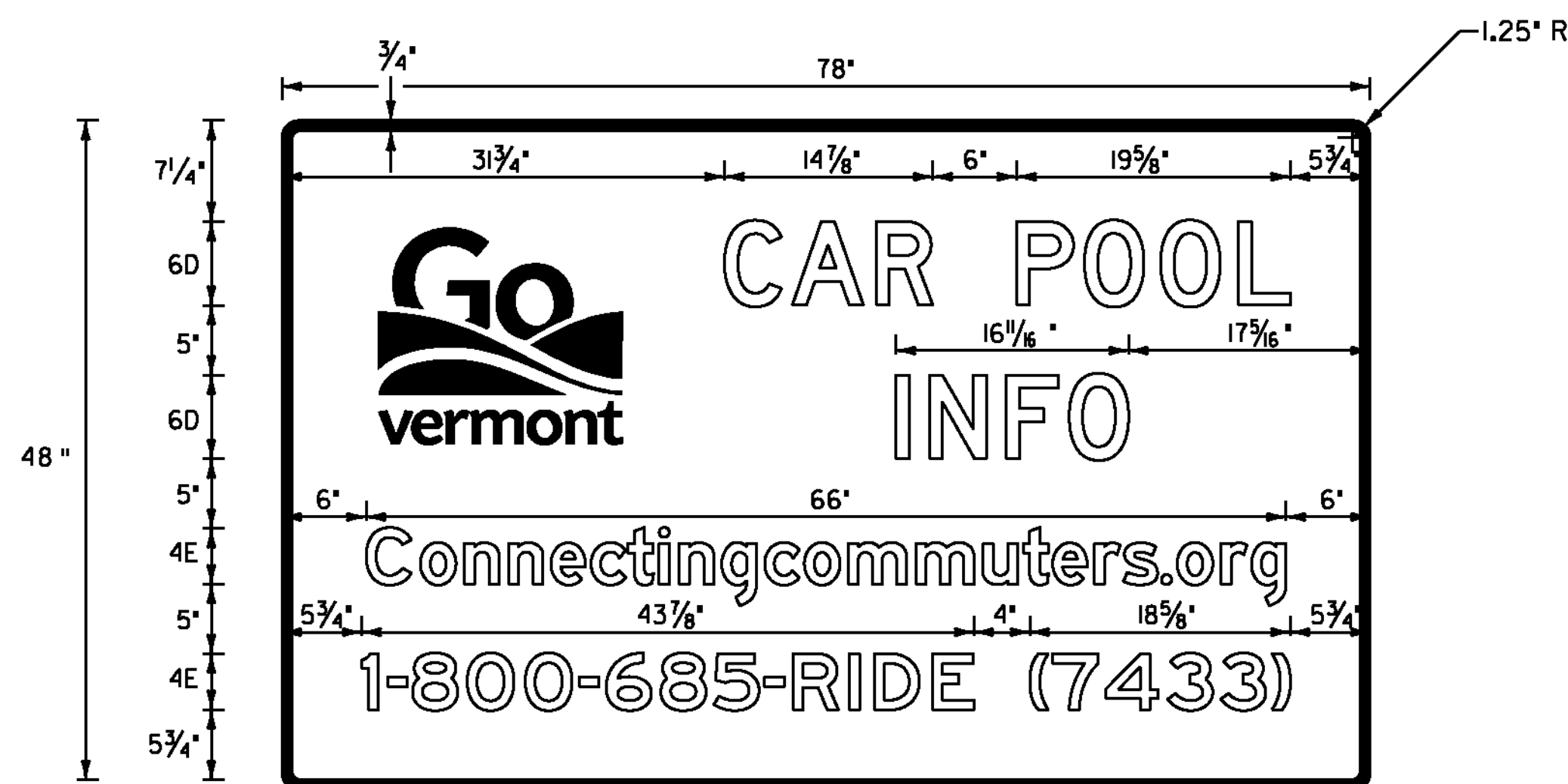
TRAFFIC SIGN SUMMARY SHEET 04

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS E A WIDTH (In) HEIGHT (In)		NEW & SALVAGED SIGNS				EXIST POST NO. OF POSTS SALVAGED REMAIN	NEW SIGN POSTS																						REMARKS	SIGN DETAIL	
				"A"	"B"	SALV SIGN	SALV TIS		FLANGED CHANNEL			TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL			DETAIL ON SHEET NUMBER	STD. SHEET NUMBER										
									lb/ft			lb/ft			lb/ft			lb/ft						FTG. SIZE	WEIGHT	POST SIZE							
									1.2	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"					
MONTPELIER STATE HIGHWAY (CONT.)																																	
38+92, RT		30	21	4.38																						M2-1		SEE FHWA SHS					
		36	36	9.00							X	X																MI-4	SEE FHWA SHS				
39+29, LT		48	48	16.00							X	X																W10-3	SEE FHWA SHS				
SHEET TOTAL				29.38																													
TSS SHEET 1 SUBTOTALS				48.00	427.00	I					30	17			61	-				I													
TSS SHEET 2 SUBTOTALS				97.05	26.00	-					85	102			-	72				-													
TSS SHEET 3 SUBTOTALS				104.42	-	-					65	90			24	-				-													
TSS SHEET 4 SUBTOTALS				29.38	-	-					-	45			-	-				-													
PROJECT SUBTOTALS				278.85	453.00	I					180	254			85	72			I														
ROUNDING				1.15	7.00	-					2	4			5	3			-														
PROJECT TOTALS				280.00	460	I					182	258			90	75			I														
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS *SIGN POST DESIGN GUIDELINE.*																																	
TOTALS				SF 280	SF 460	EA. I	EA.				FT 182	FT 258			EA. 90	EA. 75																	

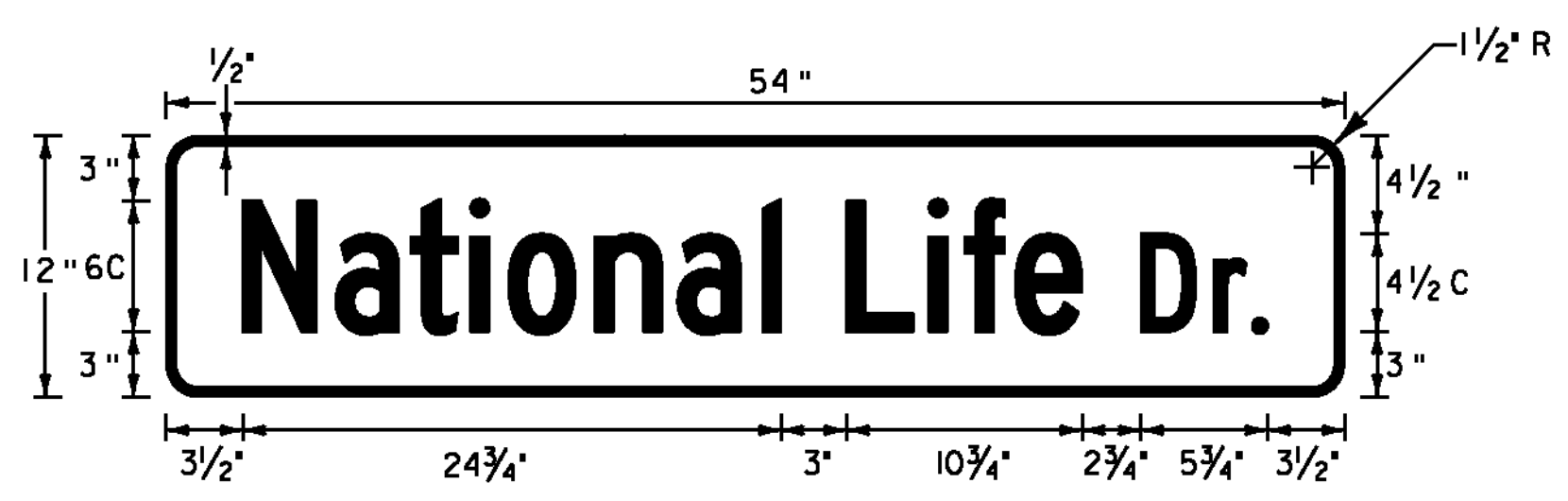


PROJECT NAME: MONTPELIER
 PROJECT NUMBER: NH 290(1)
 FILE NAME: p09b316.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b316tss04.i

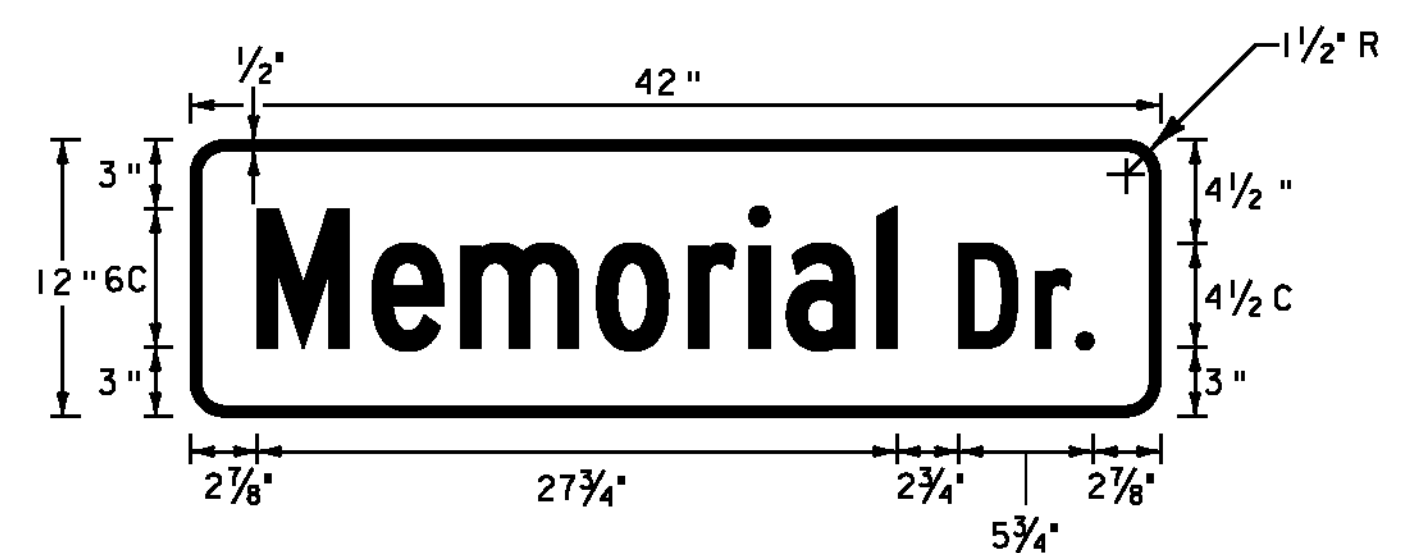
PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 53 OF 79



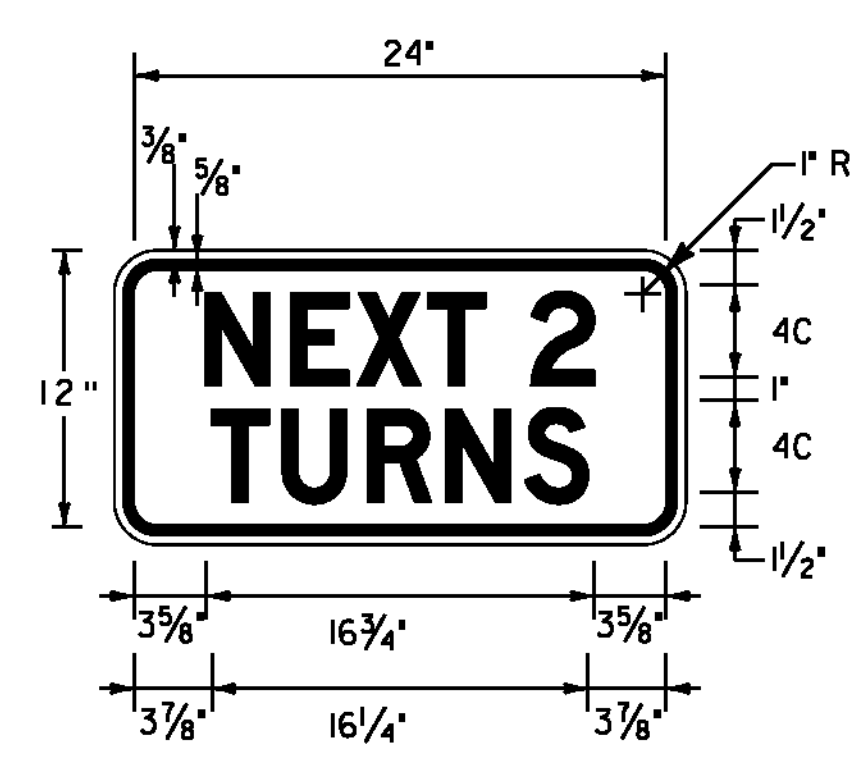
LOCATION: STA. 27+91, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE) (MINIMUM TYPE IX)
 BLUE BACKGROUND (RETROREFLECTIVE) (MINIMUM TYPE III)
 MATERIAL: PER VAOT STANDARD E-131
 NOTE: THE 'GO VERMONT' LOGO WILL BE PROVIDED TO THE CONTRACTOR BY VAOT IN JPEG FORMAT.



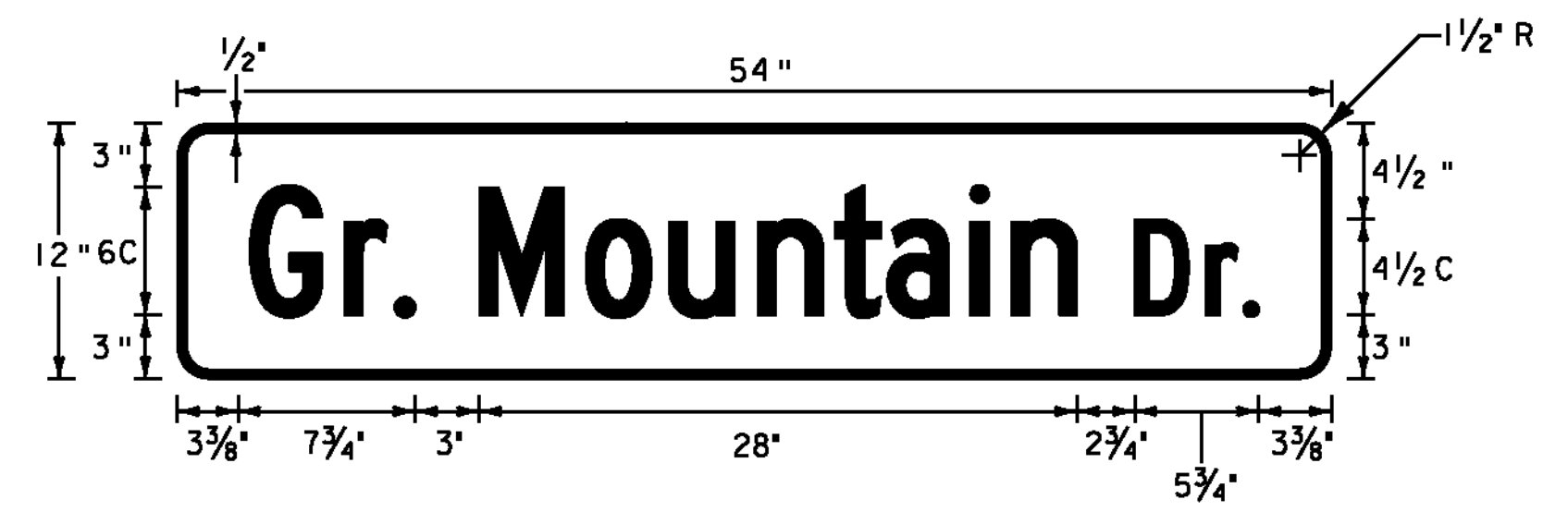
LOCATION: STA. 30+68, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: PER VAOT STANDARD E-123



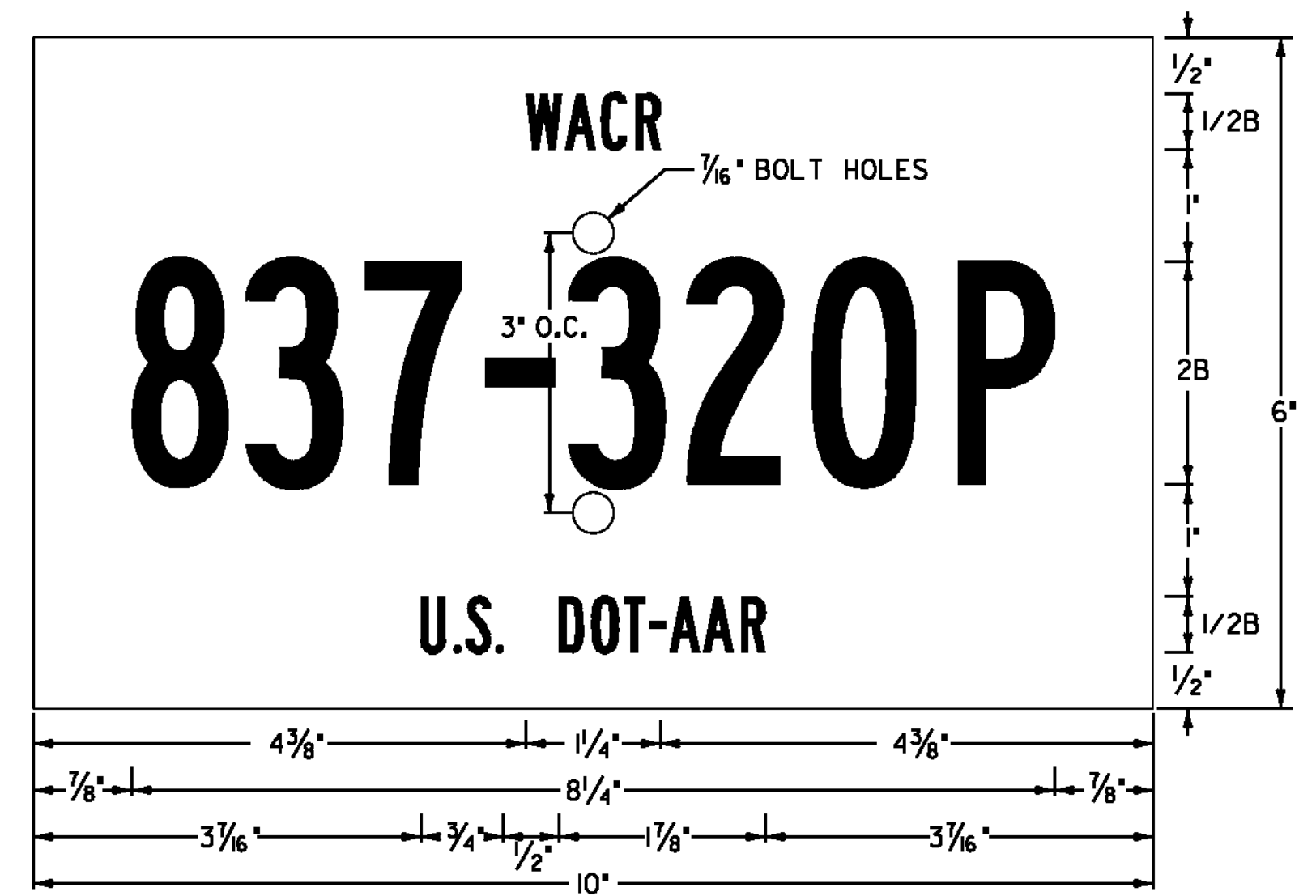
LOCATION: STA. 30+68, RT
 STA. 36+72, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: PER VAOT STANDARD E-123



LOCATION: STA. 35+39, RT
 COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
 YELLOW BACKGROUND (RETROREFLECTIVE)
 MATERIAL: PER VAOT STANDARD E-150



LOCATION: STA. 36+72, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: PER VAOT STANDARD E-123



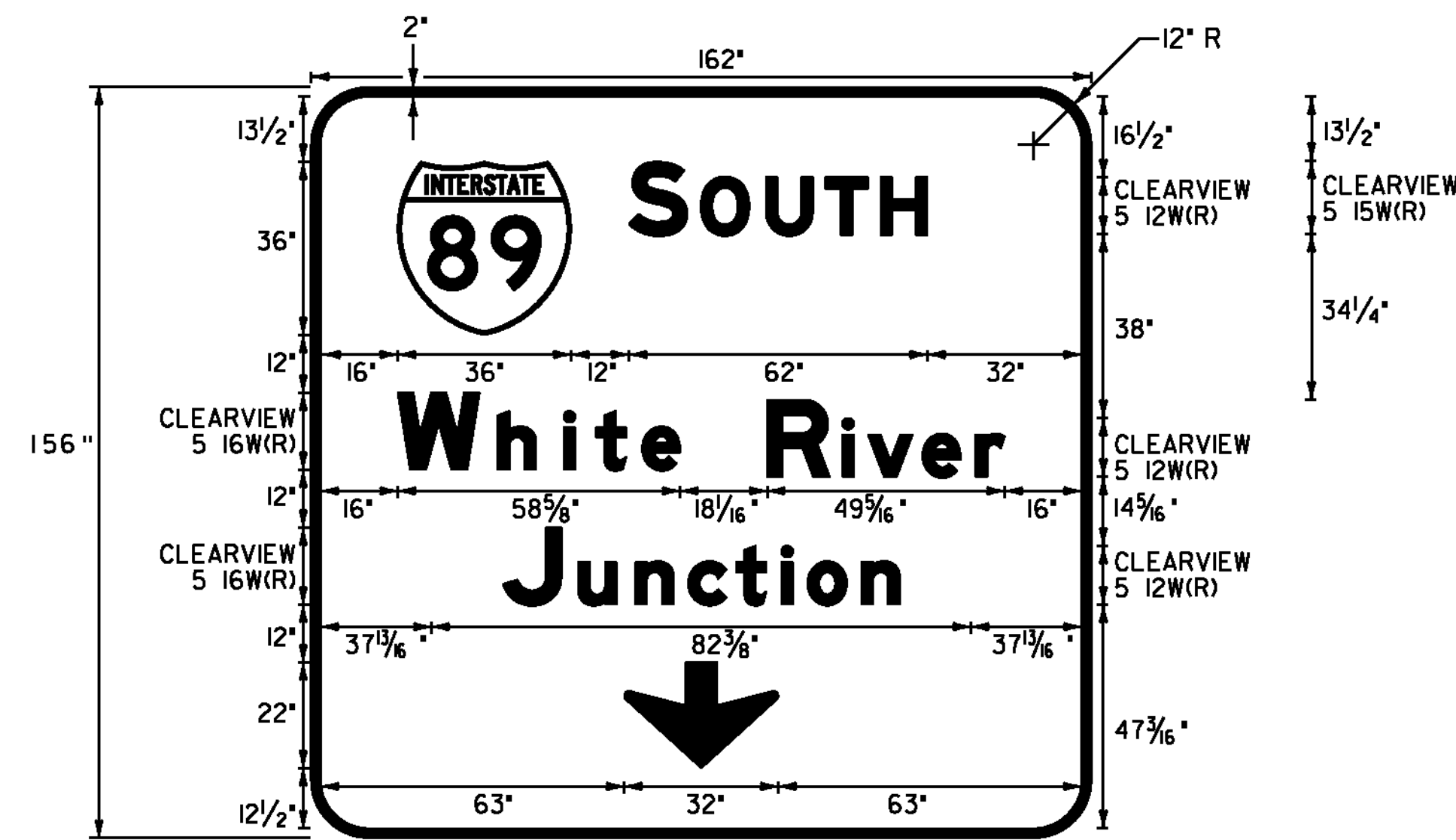
LOCATION: STA. 37+49, LT
 COLOR: BLACK TEXT (NO BORDER)
 WHITE BACKGROUND (RETROREFLECTIVE)

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM
 2. ALL STREET SIGNS ARE TWO-SIDED

NOT TO SCALE

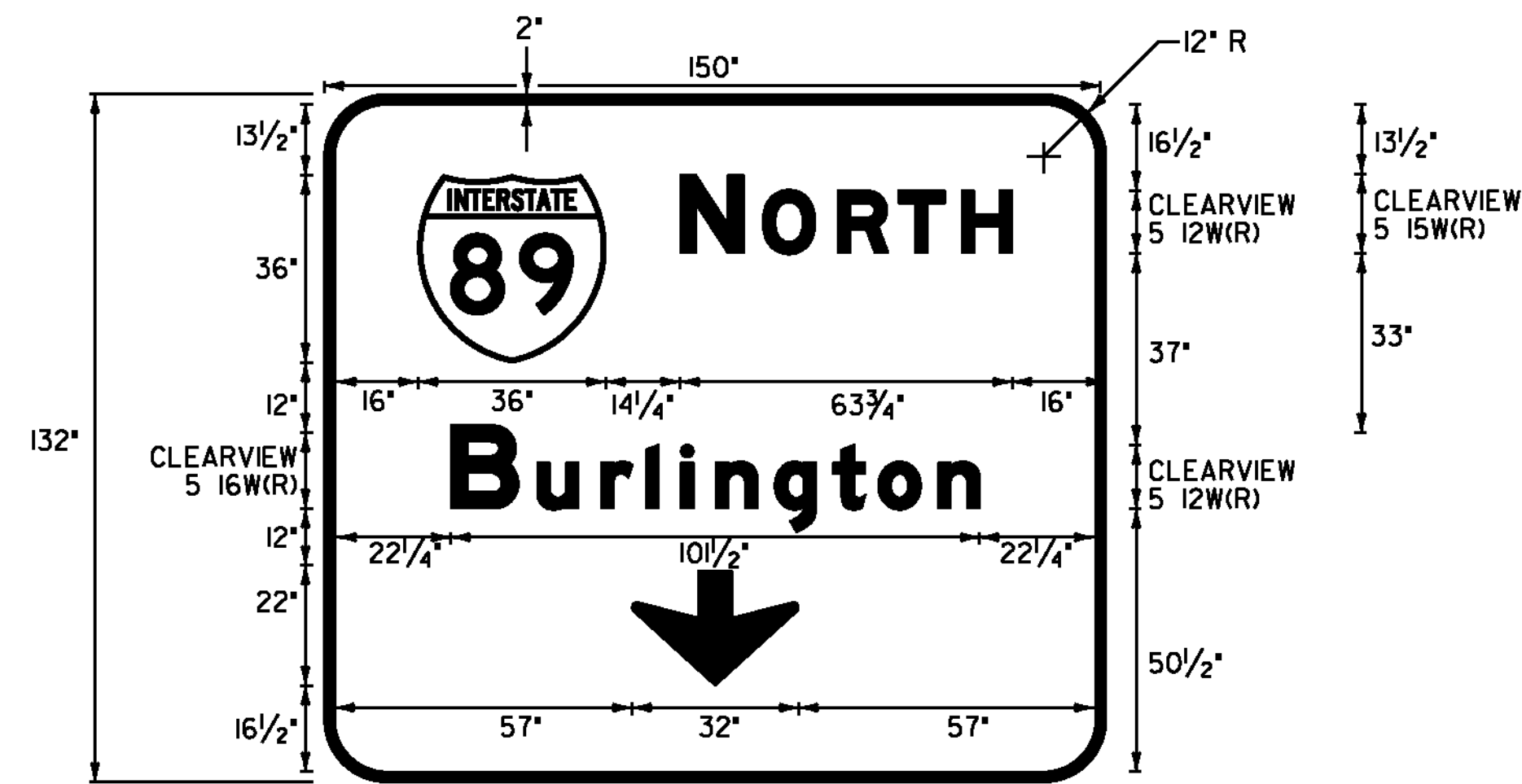
TRAFFIC SIGN DETAIL SHEET #1	PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
	PROJECT NUMBER: NH 290(I)	
	FILE NAME: pl0dl16.dgn	CHECKED BY: STANTEC
	PROJECT LEADER: JLL	SHEET 54 OF 79
	DESIGNED BY: STANTEC	
	IPARM FILE: p09b316tsd01.i	





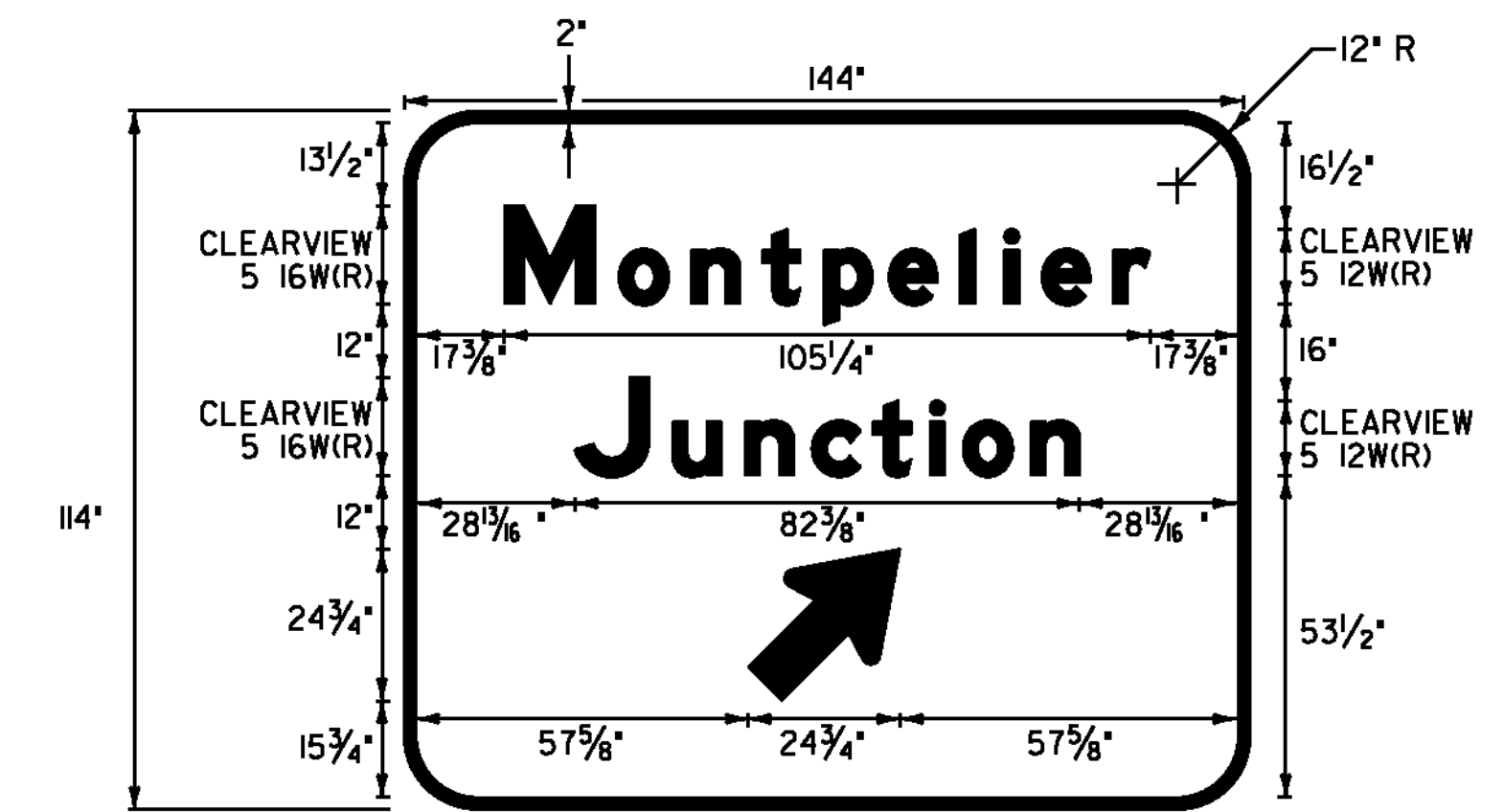
LOCATION: STA. 23+54, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE) (MINIMUM TYPE IX)
 GREEN BACKGROUND (RETROREFLECTIVE) (MINIMUM TYPE III)
 MATERIAL: PER VAOT STANDARD E-131



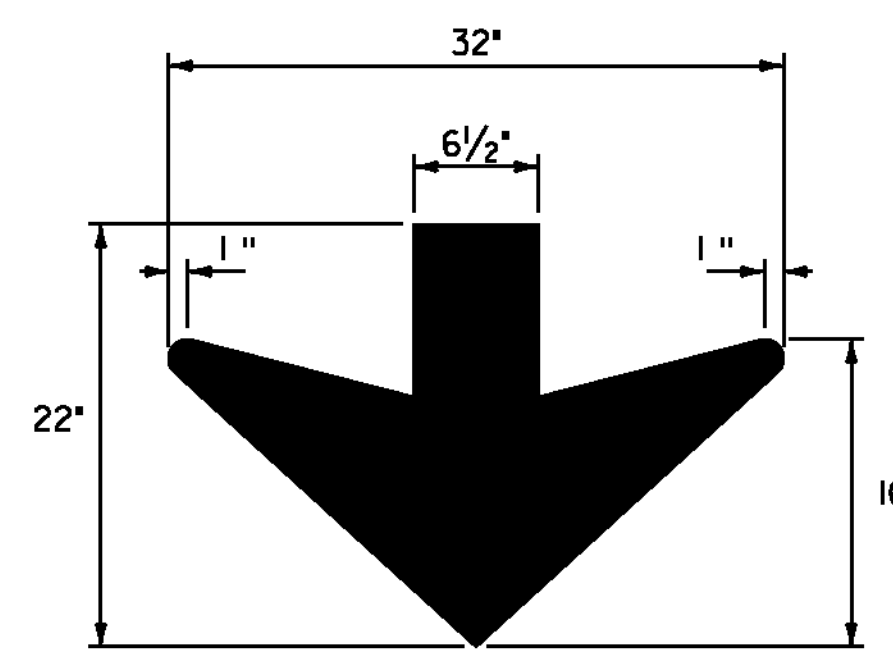
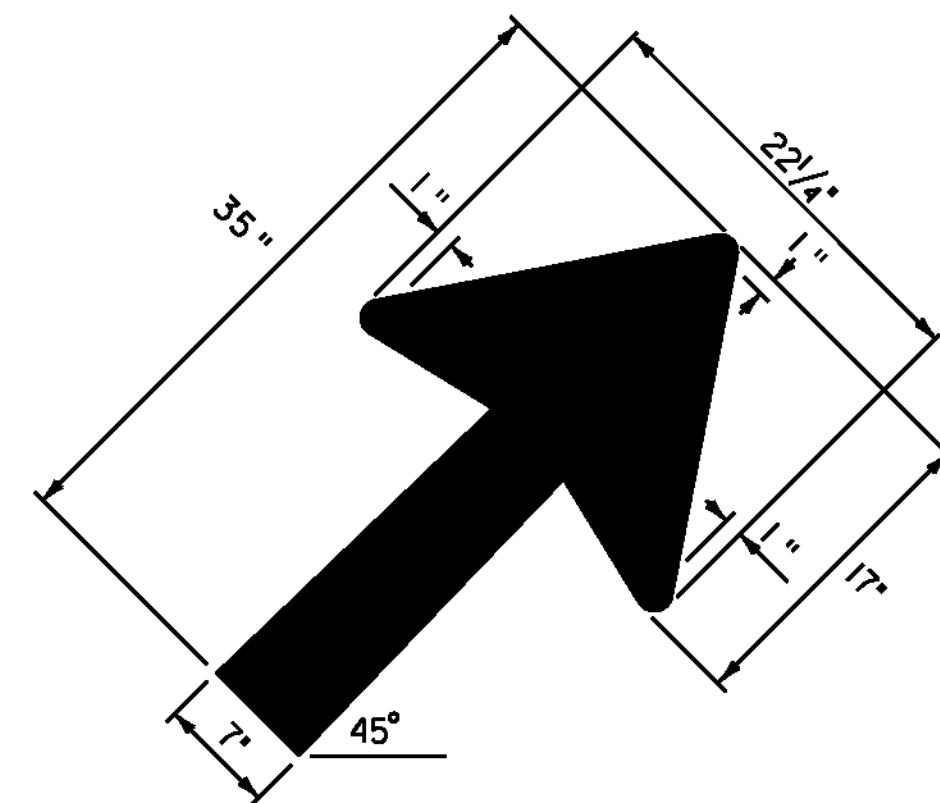
LOCATION: STA. 23+54, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE) (MINIMUM TYPE IX)
 GREEN BACKGROUND (RETROREFLECTIVE) (MINIMUM TYPE III)
 MATERIAL: PER VAOT STANDARD E-131



LOCATION: STA. 23+54, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE) (MINIMUM TYPE IX)
 GREEN BACKGROUND (RETROREFLECTIVE) (MINIMUM TYPE III)
 MATERIAL: PER VAOT STANDARD E-131



ARROWS FOR GUIDE SIGNS
 MONTPELIER STATE HIGHWAY STA. 23+54, LT

NOT TO SCALE

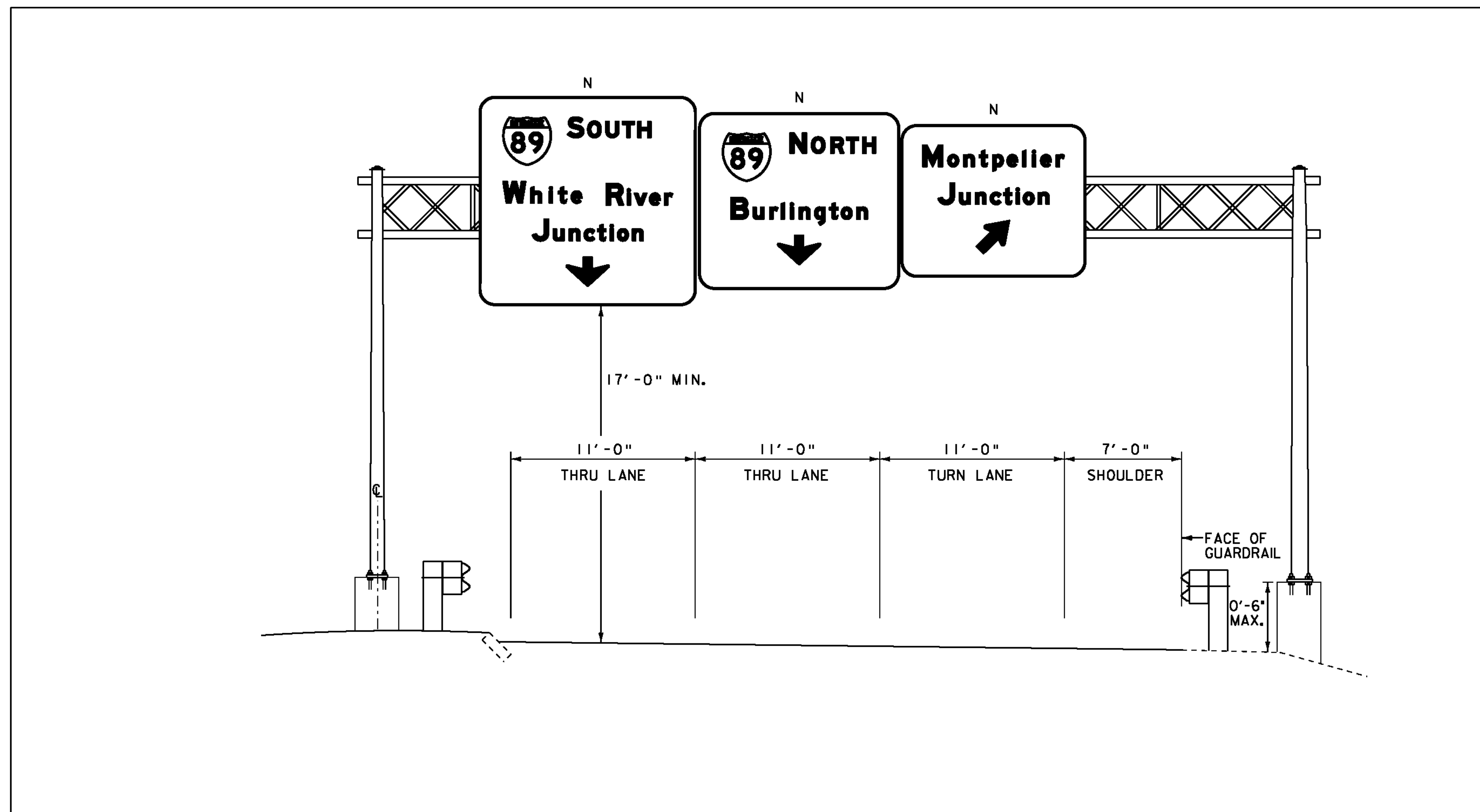
**TRAFFIC
 SIGN
 DETAIL
 SHEET #2**

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: NH 290(I)

FILE NAME: pl0dl16.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b316tsd02.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 55 OF 79



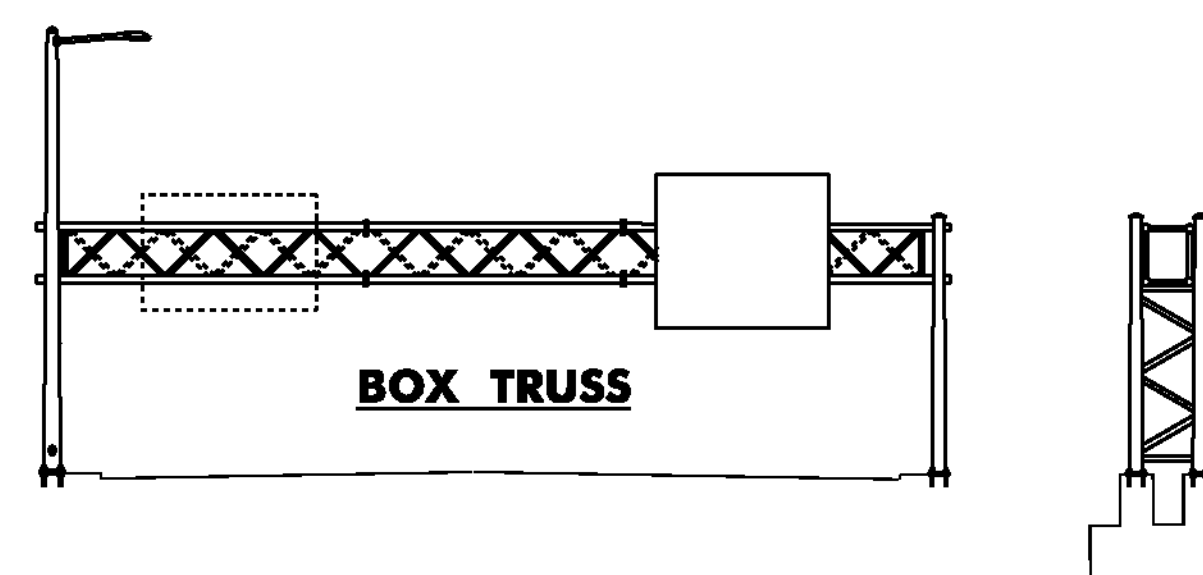


OVERHEAD SIGN BRIDGE @ MONTPELIER STATE HIGHWAY STA. 23+54, LT

NOT TO SCALE

NOTES:

1. SIGN SUPPORT STRUCTURE WILL BE PAID FOR UNDER ITEM 677.13.
2. SEE THE OVERHEAD TRAFFIC SIGN SUPPORT DETAIL SHEET #2 FOR OVERHEAD TRAFFIC SIGN SUPPORT NOTES AND ADDITIONAL INFORMATION.
3. MANUFACTURER IS TO DESIGN STEEL BOX TRUSS TO MEET SPECIFICATIONS AND NOTES ON THE OVERHEAD TRAFFIC SIGN SUPPORT DETAIL SHEET #2. THE DESIGN SHALL MINIMIZE THE NUMBER OF SPLICES REQUIRED IN THE TRUSS, CONSISTENT WITH MANUFACTURING AND SHIPPING REQUIREMENTS.
4. MINIMUM CLEARANCE FROM SIGNS TO ROADWAY IS 17 FT.
5. ALL DIMENSIONS IN FEET (FT) EXCEPT WHERE NOTED.
6. SIGNS SHALL BE MOUNTED SUCH THAT THE ARROW IS PLACED ABOVE THE CENTER OF THE LANE. SEE TRAFFIC SIGN DETAIL SHEET #2 FOR SIGN DIMENSIONS.
7. MAXIMUM EXPOSURE OF FOOTING ABOVE FINISHED EXISTING GROUND SHALL BE 6 INCHES.



NOT TO SCALE

BASE PLATE / BOLT DATA					ANCHOR BOLT SIZE
(C)	(F)	(S)	(T)	(P)	



OVERHEAD TRAFFIC SIGN SUPPORT DETAIL SHEET #1	PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
	PROJECT NUMBER: NH 290(I)	DRAWN BY: STANTEC
	FILE NAME: p10dl16.dgn	CHECKED BY: STANTEC
DESIGNED BY: STANTEC	SHEET 56 OF 79	
IPARM FILE: p09b316otssd1.i		

- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, WITH CURRENT MODIFICATIONS.

CONTRACTOR ANALYSIS AND DESIGN REQUIREMENTS

- THE DESIGN OF OVERHEAD STRUCTURES, INCLUDING BOX TRUSS AND STRAIN POLES SHALL BE PERFORMED IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 2009 OR ITS LATEST REVISION. FURTHERMORE, THIS DOCUMENT DICTATES THE DESIGN OF FOUNDATIONS FOR THESE STRUCTURES TO BE CONDUCTED IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 17TH EDITION, 2002. DESIGN OF STRUCTURE FOUNDATIONS BY CONTRACTOR SHALL BE COMPLETED IN ACCORDANCE WITH VTRANS' MRE1 10-01.
- THE DESIGN CALCULATIONS SHALL TAKE INTO ACCOUNT THE FOLLOWING CRITERIA:
 - STRUCTURE CRITERIA
DESIGN LIFE: 50 YEARS
WIND LOAD - 90 MPH, UNLESS SPECIAL SITE CONDITIONS DICTATE
ICE LOAD PER AASHTO.
 - FATIGUE CRITERIA
FATIGUE CATEGORY:
1 FOR MAST ARM SIGN STRUCTURES, 2 FOR SIGNAL MAST ARMS
VORTEX SHEDDING: INCLUDE
NATURAL WIND GUSTS: INCLUDE
TRUCK INDUCED WIND GUSTS: INCLUDE FOR ROADWAYS WHERE SPEED LIMIT IS 40 MPH OR GREATER.
GALLOPING: DO NOT INCLUDE IN DESIGN CALCULATIONS
 - FOUNDATION CRITERIA
CONCRETE: CONCRETE, HIGH PERFORMANCE CLASS B, STATE OF VERMONT, AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, SECTION 501.
REINFORCING STEEL: STATE OF VERMONT AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, SUBSECTION 713.01.
ALLOWABLE BEARING CAPACITY: TO BE DETERMINED
INTERNAL SOIL FRICTION ANGLE, ϕ : TO BE DETERMINED
- THE DETAILS OF DESIGN FOR THE STRUCTURE AND FOUNDATION ARE TO BE SUPPLIED BY THE CONTRACTOR AND/OR BY THE MANUFACTURER, THE STRUCTURE SHALL BE DESIGNED TO RESIST THE MAXIMUM LOADING AS OUTLINED IN THE AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2). ALL DESIGN CALCULATIONS FOR THE STRUCTURE AND THE FOUNDATION SHALL BE CHECKED AND STAMPED BY AN ENGINEER REGISTERED IN THE STATE OF VERMONT PRIOR TO SUBMITTAL OF THE FABRICATION DRAWINGS TO THE VERMONT AGENCY OF TRANSPORTATION.
- THE FINAL FOUNDATION TYPE AND DIMENSIONS ARE SELECTED BY THE CONTRACTOR AND THE DESIGN OF THIS FOUNDATION IS TO BE PROVIDED BY THE CONTRACTOR FOR THE VERMONT AGENCY OF TRANSPORTATION'S REVIEW AND ACCEPTANCE.
- IN ADDITION TO THE FABRICATION DRAWINGS OUTLINED IN NOTE 26 THE CONTRACTOR SHALL SUBMIT ALL DESIGN CALCULATIONS TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION SHOWING THE FOLLOWING INFORMATION FOR EACH OF THE VERTICAL AND HORIZONTAL COMPONENTS OF THE STRUCTURE AND FOUNDATION:
 - THE DESIGN AXIAL AND SHEAR FORCES AND BENDING AND TORSIONAL MOMENTS.
 - THE DESIGN AXIAL, BENDING AND SHEAR STRESSES AND THE COMBINED STRESS RATIO.
 - VIBRATION AND FATIGUE CALCULATIONS AS SET FORTH IN SECTION 9 OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 2009, OR ITS LATEST REVISION.
 - THE ALLOWABLE AXIAL, BENDING, AND SHEAR STRESSES.
 - ITEMS A,B,D - SHALL BE SHOWN FOR EACH OF THE GROUP LOADINGS (I, II, III) AND FOR THE BASIC WIND LOAD APPLIED TO THE TWO CASES OUTLINED IN THE AASHTO STANDARD SPECIFICATIONS (SEE NOTE 2) SECTION 1.2.5 (D) (4).
 - FAILURE TO SUPPLY THE PROPER DESIGN INFORMATION SHALL BE CAUSE FOR REJECTION OF THE STRUCTURE.
 - A MINIMUM OF FOUR (4) WEEKS SHALL BE REQUIRED FOR REVIEW BY THE VERMONT AGENCY OF TRANSPORTATION.
 - EVERY MEMBER AND CONNECTION IN AN OVERHEAD TRAFFIC SIGN SUPPORT SHALL HAVE A MAXIMUM DESIGN RATIO OF 85% TO PROVIDE RESIDUAL CAPACITY FOR FUTURE MODIFICATIONS TO SIGN SIZE OR CONFIGURATIONS.

GEOTECHNICAL DESIGN

- FOR ALL GEOTECHNICAL DESIGN PROCEDURES, SEE MRE1 10-01, GEOTECHNICAL DESIGN PROCEDURES FOR MAST ARMS & OVERHEAD STRUCTURES, LOCATED ON THE AGENCY'S WEBSITE AT <http://www.aot.state.vt.us/mtrres/Documents/ACROBAT.pdf/R&Ddox/MRE1%20-%20overhead%20structures%20030910.pdf>

ADDITIONAL DESIGN CRITERIA

- CONCRETE: HIGH PERFORMANCE CLASS B
 - REINFORCING: AASHTO M31M/M31 GRADE 420 WIND LOAD AND ICE LOAD PER AASHTO "STANDARD SPECIFICATIONS". THE CONTRACTOR SHALL PERFORM SUBSURFACE EXPLORATION AS NECESSARY FOR THE DESIGN AND CONSTRUCTION OF THE MAST ARM AND SIGNAL POLE FOUNDATIONS.

OVERHEAD TRAFFIC SIGN SUPPORT NOTES

ADDITIONAL DESIGN CRITERIA (CONTINUED)

- ANCHOR BOLTS
 - A MINIMUM OF SIX STAINLESS STEEL ANCHOR BOLTS WITH TWO HEXAGON NUTS, ONE LEVELING NUT, ONE WASHER AND ONE LOCK WASHER PER BOLT SHALL BE FURNISHED WITH EACH POLE. ANCHOR BOLT PLATES, WHEN USED, SHALL ALSO BE STAINLESS STEEL. STATE OF VERMONT, AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, SUBSECTION 714.09. GALVANIZED ANCHOR BOLTS WILL NOT BE ACCEPTED.
- FLANGE BOLTS
 - ALL FLANGE BOLTS AND HEX NUTS SHALL BE HIGH STRENGTH STEEL AND SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, SUBSECTION 714.05.
- HORIZONTAL AND VERTICAL MEMBERS
 - STEEL TUBES SHALL BE FORMED AND WELDED WITH ONE CONTINUOUS LONGITUDINAL WELD ONLY. AFTER FORMING AND WELDING THEY SHALL BE COLD ROLLED TO ENSURE UNIFORMITY OF SIZE AND SMOOTHNESS OF WELD. THERE SHALL BE NO TRANSVERSE WELDING EXCEPT AT THE FLANGE CONNECTIONS AND POLE BASE PLATES WHERE THE TUBES SHALL TELESCOPE. THE FLANGES AND PLATES AND BE CONTINUOUSLY WELDED BOTH SIDES, INSIDE AND OUT TO WITHSTAND THE FULL TRANSFER OF THE BENDING STRENGTH TO THE BOLTS. OPTIONALLY, THE MEMBERS MAY BE A SERIES OF TWO OR THREE DIFFERENT DIAMETER PIPES WELDED TOGETHER. STEEL TUBES SHALL BE CONSTRUCTED FROM MATERIALS CONFORMING TO STATE OF VERMONT, AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, SUBSECTION 752.02.
- GALVANIZING
 - ALL STEEL COMPONENTS, EXCEPT CONCRETE REINFORCING AND STAINLESS STEEL HARDWARE, ARE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. THE ASSEMBLIES SHALL BE DESIGNED AND FABRICATED TO PERMIT GALVANIZING ON ALL INTERIOR AND EXTERIOR SURFACES AND SHALL BE FREE OF POCKETS AND OTHER STRUCTURAL OBSTRUCTIONS THAT WILL NOT PERMIT PROPER DEPOSITION OF ZINC COATING. GALVANIZING SHALL BE IN ACCORDANCE WITH STATE OF VERMONT, AGENCY OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR CONSTRUCTION", DATED 2006, SUBSECTION 752.02.
- WELDING
 - ALL DESIGN DETAILS, WORKMANSHIP, PROCEDURES AND INSPECTION SHALL CONFORM TO VTRANS SPECIFICATIONS SUBSECTION 506.10.
 - ALL WELDS SHALL BE AT LEAST AS STRONG AS THE MATERIAL (S) BEING WELDED.
- FOUNDATIONS
 - FOUNDATIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE MRE1 10-01 GUIDELINES ISSUED BY THE AGENCY.
 - FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
 - A MINIMUM EMBEDMENT DEPTH OF 5 FEET SHALL BE USED FOR ALL SPREAD FOOTING FOUNDATIONS; MEASURED FROM THE GROUND SURFACE ELEVATION TO THE BOTTOM OF THE FOOTING ELEVATION.
 - EXCEPT FOR THE UPPERMOST 2 FT OF SOIL, DRILLED SHAFT FOUNDATIONS SHALL BE POURED AGAINST UNDISTURBED MATERIAL; THE TOP 2 FT OF SOIL SHALL BE NEGLECTED FOR DESIGN PURPOSES. A DISPOSABLE CIRCULAR CONCRETE FORM, IF USED, SHALL NOT BE PLACED DEEPER THAN 2FT, IN ORDER NOT TO REDUCE THE FRICTION BETWEEN THE SOIL AND THE CONCRETE.
 - AS AN ALTERNATIVE TO THE DRILLED HOLES, FOUNDATIONS MAY BE POURED IN EXCAVATED HOLES USING THE PROPER FORMS, WHICH MUST BE REMOVED. THE EXCAVATED HOLES SHALL BE AT LEAST 2 FT CLEAR OF THE FOUNDATION SIDES AND 1 FT DEEPER THAN THE FOUNDATION. CARE SHALL BE TAKEN TO AVOID EXCAVATING AROUND THE TOP OF THE FOUNDATION. DESIGN LIMITS AS FOR AN AUGURED FOUNDATION APPLY.
 - BACKFILL MATERIAL PLACED ADJACENT TO THE FOUNDATION SHALL MEET THE REQUIREMENTS FOR GRANULAR BACKFILL FOR STRUCTURES, VTRANS SPECIFICATION SUBSECTION 704.08. BACKFILL MATERIAL SHALL BE COMPACTED AS DESCRIBED IN VTRANS' CONSTRUCTION SPECIFICATIONS SUBSECTION 204.08.
 - CONCRETE FOR THE FOUNDATION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 501, HPC STRUCTURAL CONCRETE. IF DRILLED SHAFT FOUNDATIONS ARE REQUIRED, THE CONCRETE SPECIFICATIONS MAY NEED TO BE ADJUSTED FOR CONSTRUCTABILITY ISSUES. HOWEVER, IF REQUIRED, THE CONTRACTOR SHALL SUBMIT ANY CHANGES TO THE CONCRETE SPECIFICATION FOR REVIEW BY THE VTRANS PROJECT MANAGER.
 - STEEL PILES SHALL MEET THE REQUIREMENTS OF SECTION 505.
 - WHEN THE DESIGN DEPTH OF A FOUNDATION CANNOT BE OBTAINED DUE TO UNFORESEEN FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR THE MANUFACTURER TO OBTAIN A REVISED FOUNDATION DESIGN. SUCH A REVISION SHALL BE SUBMITTED TO THE VERMONT AGENCY OF TRANSPORTATION PROJECT MANAGER AND MAY REQUIRE UP TO A 4 WEEK REVIEW PERIOD BY THE VERMONT AGENCY OF TRANSPORTATION.

ADDITIONAL DESIGN CRITERIA (CONTINUED)

- FOUNDATIONS (CONTINUED)
 - SIGNALS/SIGNS SHALL BE INSTALLED AND LEVELED AND POLES SHALL BE PLUMB PRIOR TO PLACING GROUT UNDER POLE BASE. GROUT MATERIAL SHALL BE NON-SHRINKING MORTAR CONFORMING TO SUB-SECTION 707.03 (MORTAR TYPE IV).
- HORIZONTAL MEMBERS SHALL BE CAMBERED AND THE VERTICAL POLES BACK RAKED (WHERE APPLICABLE) TO THE ANTICIPATED DEAD LOAD DEFLECTION PLUS THE CAMBER, IF ANY, SPECIFIED ON THE PLANS.
- AN EQUIVALENT ALTERNATE DESIGN MEETING ALL APPLICABLE AASHTO DESIGN CODES AND STANDARDS MAY BE SUBSTITUTED FOR THE DETAILS AND MATERIALS SHOWN. ADDITIONAL TIME MAY BE REQUIRED FOR REVIEW.
- THE CONTRACTOR/MANUFACTURER SHALL BE RESPONSIBLE FOR COMPLETION OF THE STRUCTURE AND FOOTING DATA ON THE DETAIL SHEET (S).
- BASE PLATES SHALL BE STAMPED WITH THE VERTICAL POLE DIAMETER, HEIGHT, YIELD STRENGTH, GAUGE AND THE HORIZONTAL MEMBER DIAMETER, LENGTH, YIELD STRENGTH, AND GAUGE. ALTERNATELY, THE INFORMATION MAY BE STAMPED ON A METAL TAG RIVETED TO THE POLE NEAR THE HAND HOLE.
- THE VERTICAL OFFSET IS THE DISTANCE FROM THE GROUND SURFACE TO THE TOP OF THE FOUNDATION. THIS IS ASSUMED TO BE 6 INCHES UNLESS OTHERWISE DEPICTED.
- ASSUME THAT THE GROUNDWATER TABLE (GWT) IS AT THE GROUND SURFACE UNLESS A DIFFERENT GWT CAN BE REASONABLY DETERMINED FROM A SUBSURFACE INVESTIGATION, MONITORING WELLS, OR LABORATORY MOISTURE CONTENTS.
- NEGLECT A MINIMUM OF THE UPPER 2 FEET OF SOIL SURROUNDING THE FOUNDATION FOR CONTRIBUTIONS TO TORSION AND SKIN FRICTION RESISTANCE. THIS IS DUE TO POTENTIAL FOR FUTURE DISTURBANCE. NOTE: THE USE OF A "SONOTUBE" AS A FORM MAY NEGATE OR REDUCE SKIN FRICTION RESISTANCE FOR DESIGN PURPOSES.
- A MINIMUM DEPTH OF 5 FEET TO THE BOTTOM OF SPREAD FOOTING FOUNDATIONS ON SOIL SHALL BE USED TO MITIGATE THE POTENTIAL FOR MOVEMENT FROM FROST EFFECTS.
- TO SIMPLIFY CALCULATIONS OF TORSION FOR SQUARE FOOTINGS THE SQUARE FOOTING CAN BE ASSUMED TO BE CIRCULAR, I.E. AN 8 FOOT WIDE SQUARE FOOTING IS MODELED AS AN 8 FOOT DIAMETER FOOTING. THIS IS A CONSERVATIVE ASSUMPTION.
- UPLIFT (NEGATIVE CONTACT PRESSURE) OF A SPREAD FOOTING IS RESTRICTED. THE FOOTING MUST HAVE A MINIMUM CONTACT PRESSURE EXCEEDING 0 PSF. IN EXTREME CASES WHERE THE FOOTING WIDTH AND COST IS EXCESSIVE THE VERMONT AGENCY OF TRANSPORTATION MAY CHOOSE TO ALLOW UPLIFT ON ONE CORNER ONLY. HOWEVER, THE CONTRACTOR WILL HAVE TO DOCUMENT THE COMPUTED CONTACT PRESSURE AT ALL FOUR CORNERS.
- SEE VAOT STANDARD E-171A FOR ADDITIONAL NOTES.

ADDITIONAL DESIGN GUIDELINES

FABRICATION DRAWINGS

- FABRICATION DRAWINGS (6 COPIES OF EACH) SHALL BE SUBMITTED TO THE STATE OF VERMONT, AGENCY OF TRANSPORTATION, PROJECT MANAGER FOR APPROVAL PRIOR TO FABRICATION. THE FABRICATION DRAWINGS SHALL INCLUDE THE FOLLOWING INFORMATION:
 - DETAILED DRAWING OF EACH COMPONENT OF THE STRUCTURE.
 - MATERIAL SPECIFICATION FOR EACH COMPONENT OF THE STRUCTURE, EITHER BY COMPLETE SPECIFICATION OR REFERENCE TO APPLICABLE ASTM STANDARDS.
 - NOTATION OF PROJECT NAME, PROJECT NUMBER, ROUTE NUMBER, AND STRUCTURE STATIONING (TO BE INCLUDED ON EACH SHEET).
 - DETAILS FOR LOCATION OF SIGNS/SIGNALS AND ATTACHMENT HARDWARE FOR THE SUPPORT STRUCTURE.
 - ALL ELEVATIONS AND DIMENSIONS NECESSARY TO PROVIDE A COMPLETE SET OF RECORD PLANS.
 - DEAD LOAD DEFLECTION AND CAMBER INFORMATION.
 - WELDING DETAILS AND PROCEDURES ARE REQUIRED FOR ALL WELDS. PROCEDURES SHALL BE SUBMITTED FOR APPROVAL WITH REFERENCE TO EACH WELD IDENTIFIED ON THE FABRICATION DRAWINGS. (SEE SUB-SECTION 506.10).

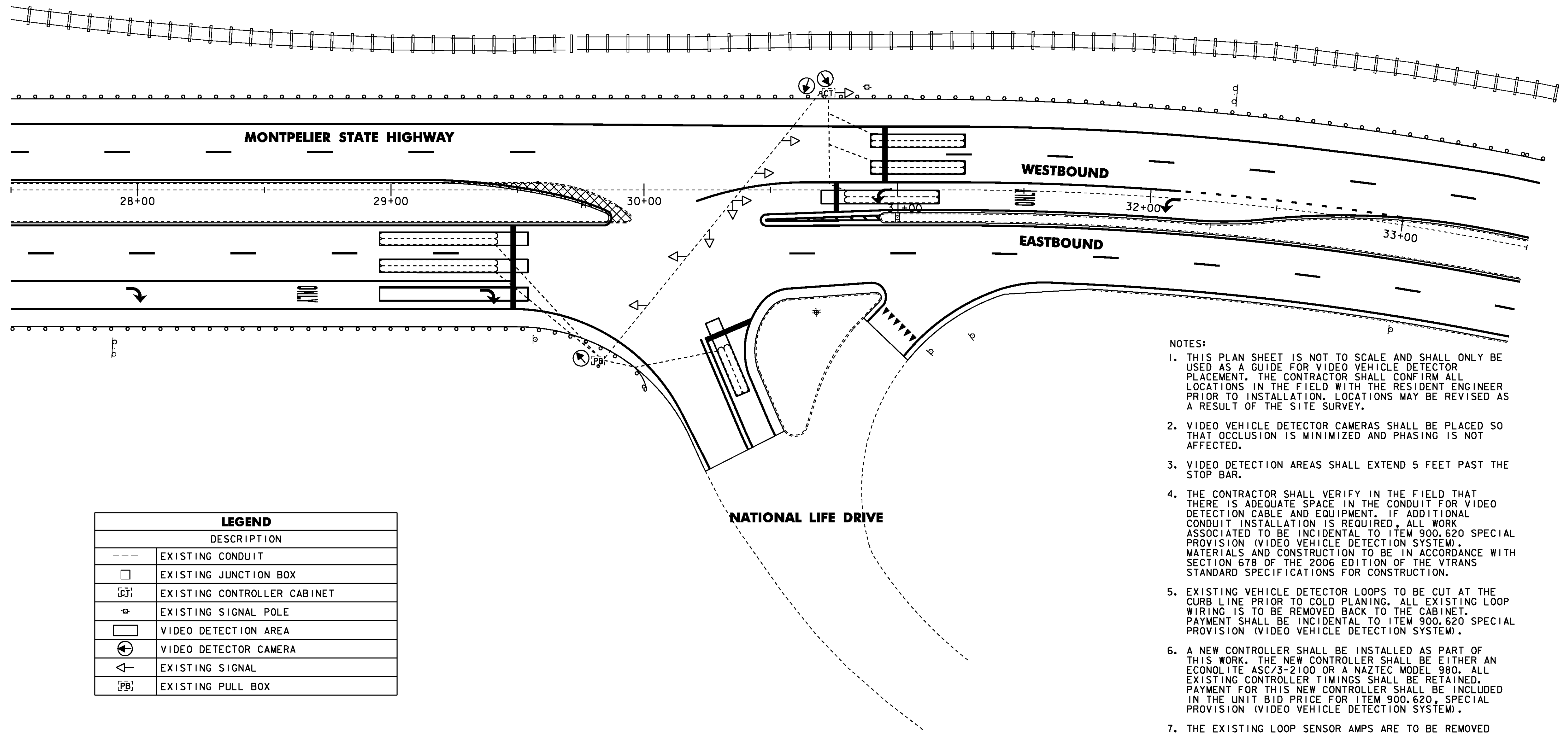
NOT TO SCALE

OVERHEAD TRAFFIC SIGN SUPPORT DETAIL SHEET #2	PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 57 OF 79
	PROJECT NUMBER: NH 290(1)	
	FILE NAME: pi0dl6.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p09b316otssd2.1	



ITEM 900.620 SPECIAL PROVISION
(VIDEO VEHICLE DETECTION SYSTEM)
(MONTPELIER STATE HIGHWAY @ NATIONAL LIFE DRIVE)
STA. 29+98, RT

QUANTITY	UNIT	DESCRIPTION
3	EA	VIDEO DETECTOR CAMERA ASSEMBLY
220	LF	VIDEO DETECTOR CABLE
3	EA	VIDEO DETECTOR CAMERA MOUNTING BRACKET
1	EA	CONTROLLER



NOTES:

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR VIDEO VEHICLE DETECTOR PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
2. VIDEO VEHICLE DETECTOR CAMERAS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
3. VIDEO DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
4. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR VIDEO DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED TO BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678 OF THE 2006 EDITION OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. ALL EXISTING LOOP WIRING IS TO BE REMOVED BACK TO THE CABINET. PAYMENT SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM).
6. A NEW CONTROLLER SHALL BE INSTALLED AS PART OF THIS WORK. THE NEW CONTROLLER SHALL BE EITHER AN ECONOLITE ASC/3-2100 OR A NAZTEC MODEL 980. ALL EXISTING CONTROLLER TIMINGS SHALL BE RETAINED. PAYMENT FOR THIS NEW CONTROLLER SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM).
7. THE EXISTING LOOP SENSOR AMPS ARE TO BE REMOVED AND RETURNED BY THE CONTRACTOR TO THE VTRANS TRAFFIC SHOP IN BERLIN, VT WITHIN 48 HOURS OF REMOVAL. CONTACT RUSS VELANDER, TRAFFIC OPERATIONS SUPERVISOR, AT 828-3535 WITH ANY QUESTIONS.

LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
□	EXISTING JUNCTION BOX
⊞	EXISTING CONTROLLER CABINET
⊕	EXISTING SIGNAL POLE
▭	VIDEO DETECTION AREA
⊙	VIDEO DETECTOR CAMERA
←	EXISTING SIGNAL
⊞	EXISTING PULL BOX

NOT TO SCALE

**VIDEO
DETECTION
SYSTEM
SHEET**

PROJECT NAME: MONTPELIER

PROJECT NUMBER: NH 290(I)

FILE NAME: p09B316.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p09b316vdl.i

PLOT DATE: 26-MAY-2011

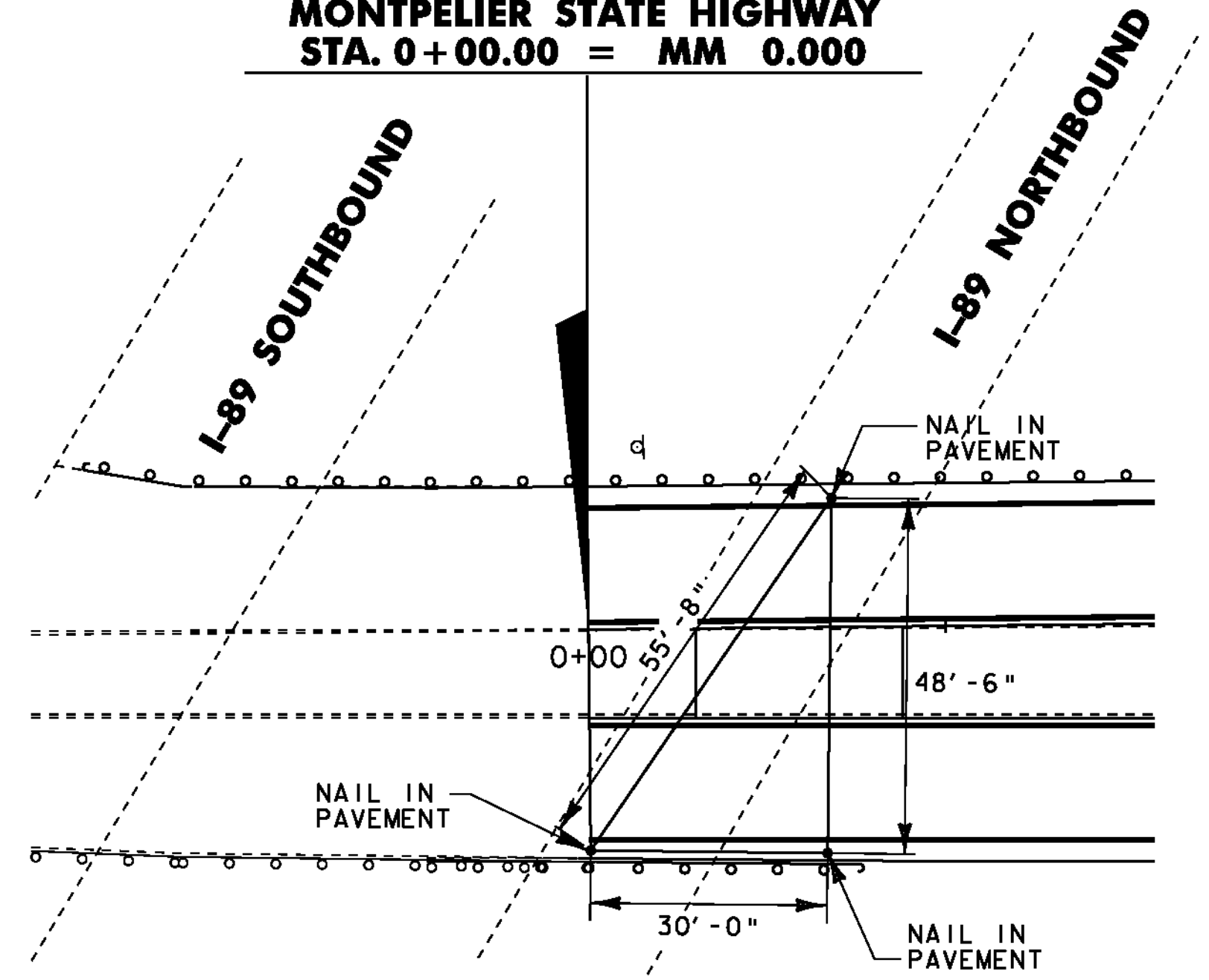
DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 58 OF 79

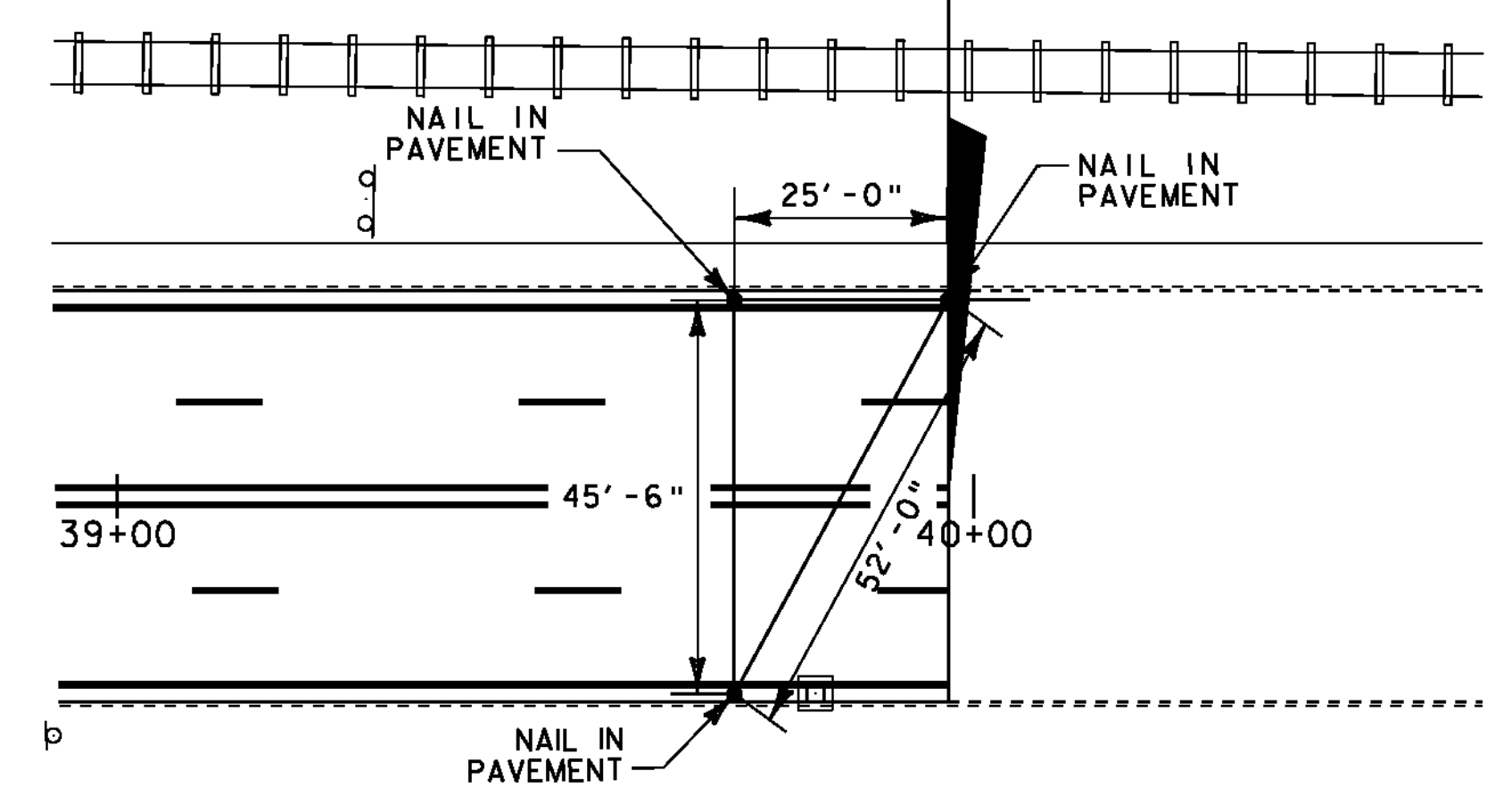


BEGIN NH 2901(1)
MONTPELIER STATE HIGHWAY
STA. 0+00.00 = MM 0.000



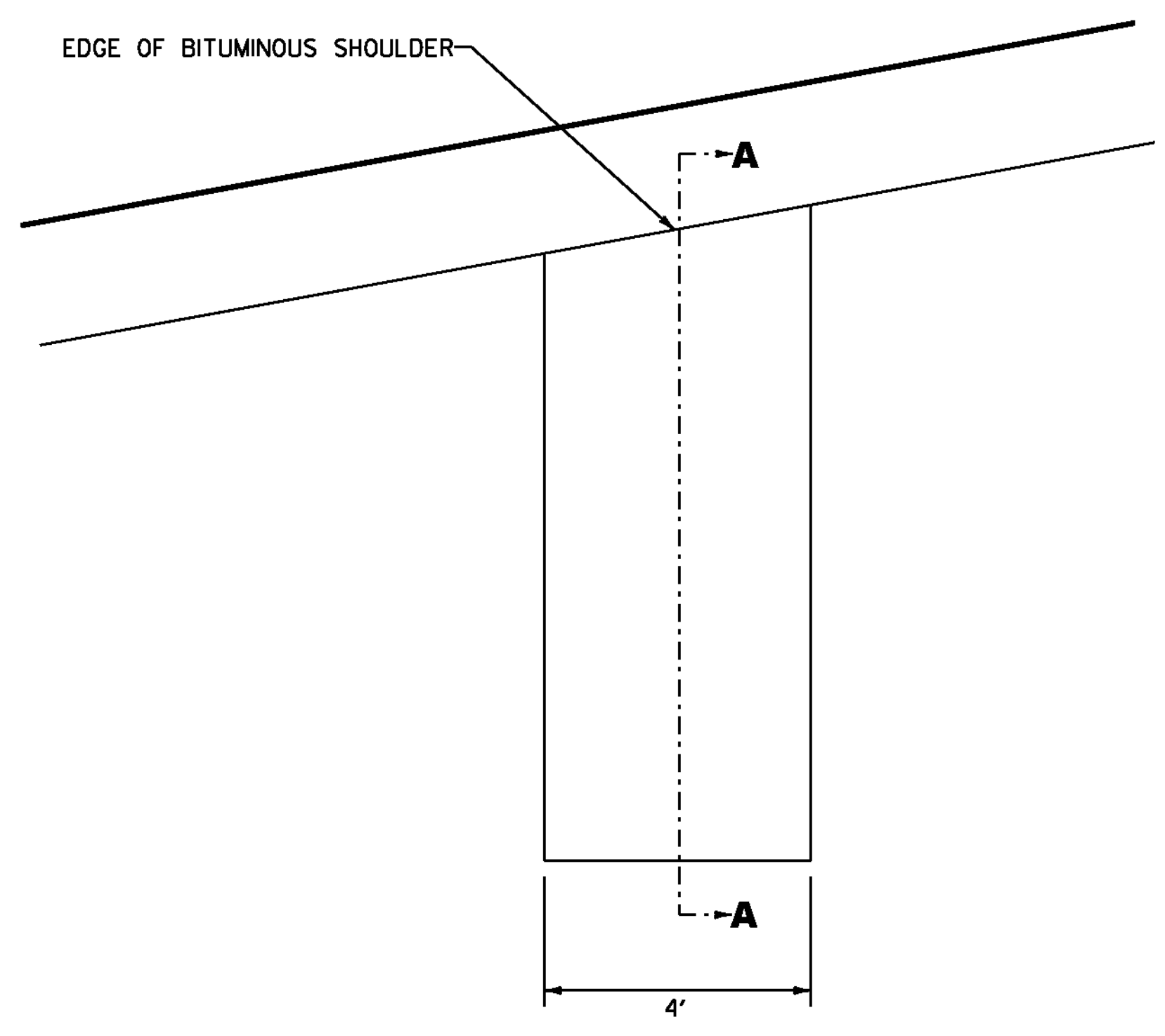
BEGIN PROJECT LOCATION TIES

END NH 2901(1)
MONTPELIER STATE HIGHWAY
STA. 39+96.96 = MM 0.757

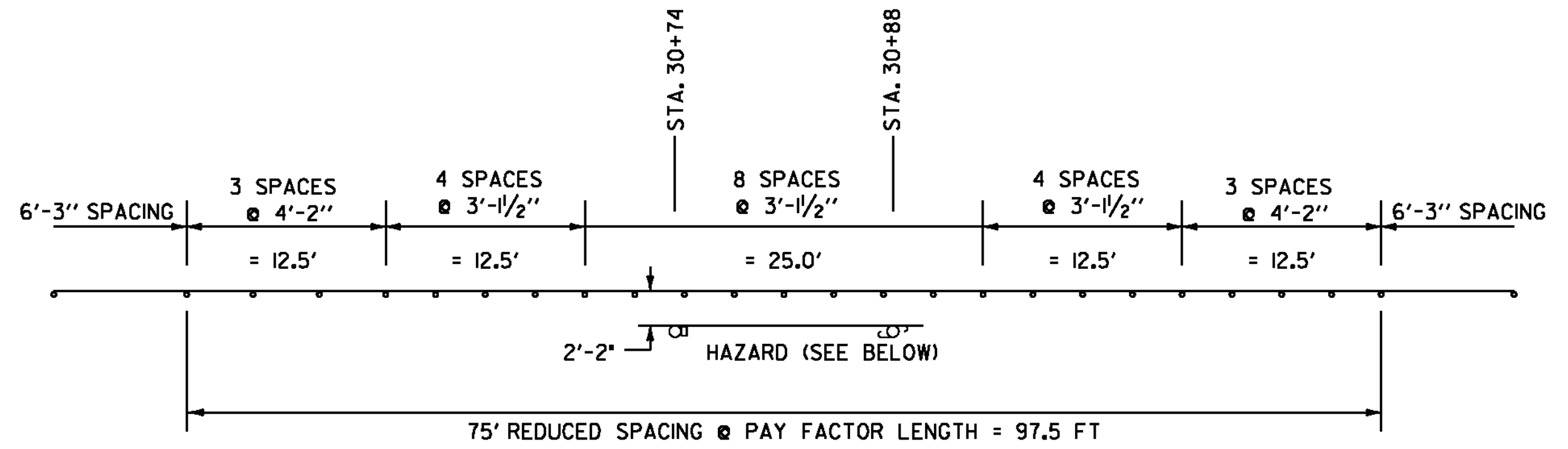


END PROJECT LOCATION TIES

I-89 NORTHBOUND OFF-RAMP



BITUMINOUS GUTTER DETAIL
MONTPELIER STATE HIGHWAY STA. 4+97, RT



REDUCED GUARDRAIL POST SPACING DETAIL

LOCATIONS:
STA. 30+74 & 30+88, LT - STRAIN POLE & UTILITY POLE

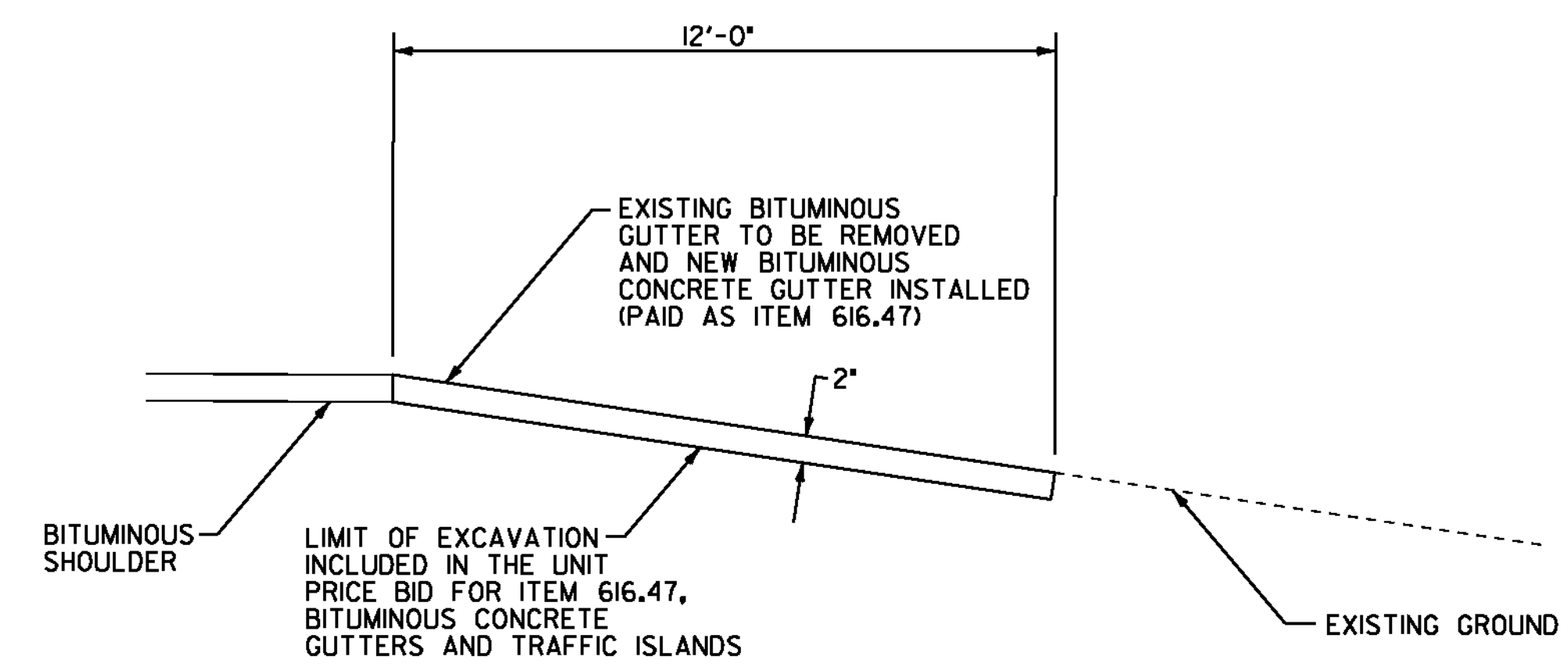
REHAB. DROP INLETS, CATCH BASINS or
MANHOLES, CLASS I OR II

(ITEM 604.412 OR 604.415)

STATION	POSITION	DESCRIPTION
MONTPELIER STATE HIGHWAY		
5+93	RT	DI
6+93	RT	DI
8+93	LT	DI
8+93	RT	DI
10+93	RT	DI
12+93	RT	DI
14+44	LT	DI
14+93	RT	DI
17+35	LT	DI
17+37	RT	DI
17+65	LT	DI
18+69	RT	DI
19+82	LT	DI
20+49	LT	DI
22+90	LT	DI
24+44	RT	DI
33+86	LT	DI
33+86	RT	DI
35+60	LT	DI
35+60	RT	DI
37+87	RT	DI
37+87	LT	DI
39+81	RT	

EXISTING CULVERT INVENTORY TABLE

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
MONTPELIER STATE HIGHWAY			
20+39	60"	ACCGMP	
23+93	30"	ACCGMP	



SECTION A-A

NOT TO SCALE

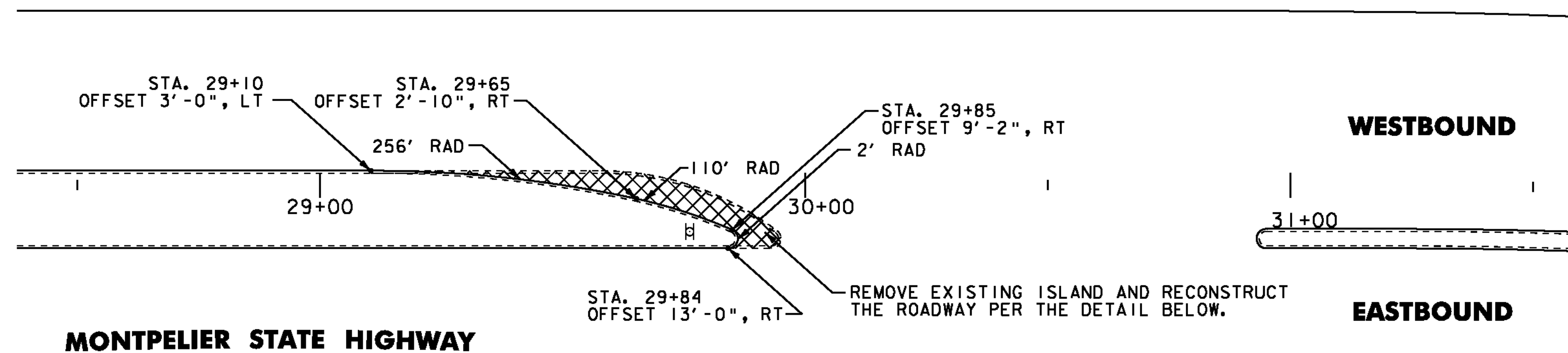
MISCELLANEOUS
DETAIL
SHEET #1

PROJECT NAME: MONTPELIER
PROJECT NUMBER: NH 2901(I)

FILE NAME: pl0dl16.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b316md01.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 59 OF 79

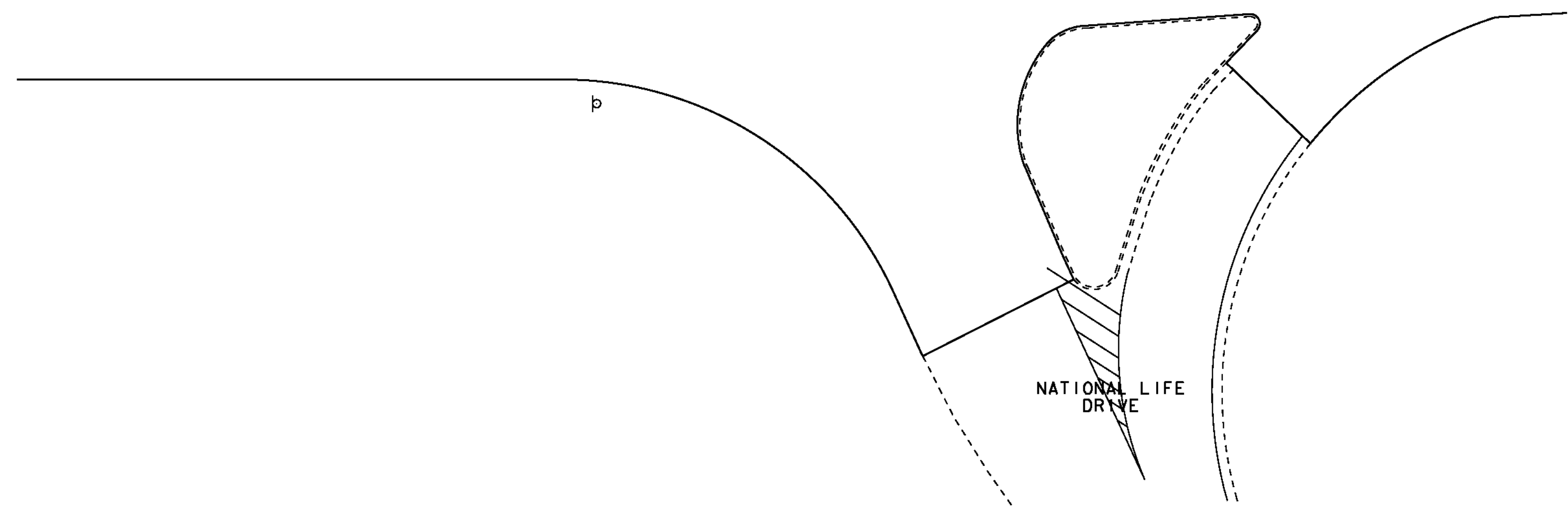




MONTPELIER STATE HIGHWAY

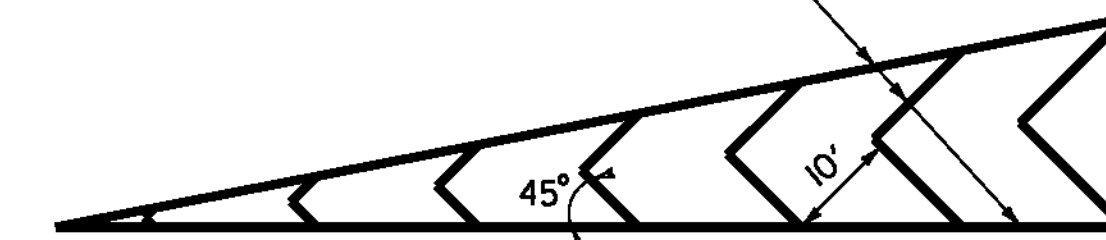
WESTBOUND

EASTBOUND



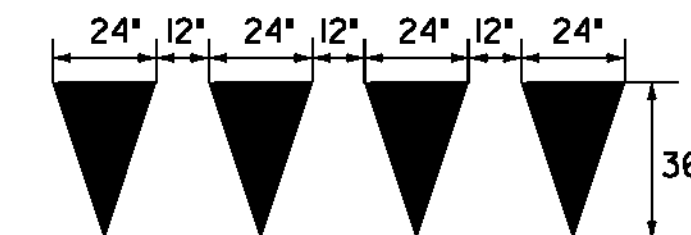
NATIONAL LIFE DRIVE

DURABLE 8 INCH WHITE LINE, TYPE I TAPE



GORE MARKING DETAIL

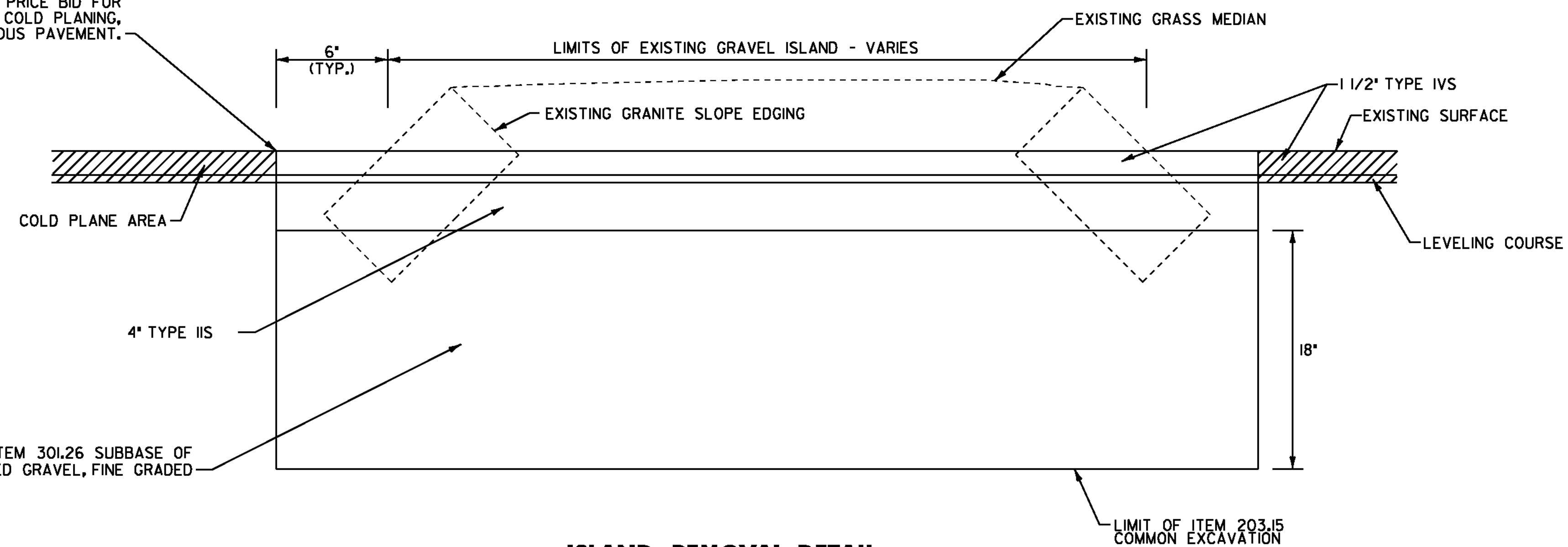
SEE LAYOUT SHEETS FOR LOCATIONS



YIELD LINE DETAILS

SEE LAYOUT SHEETS FOR LOCATIONS. TO BE PAID AS ONE DURABLE LETTER OR SYMBOL, TYPE I TAPE PER TRIANGLE

SAWCUT EXISTING PAVEMENT PRIOR TO EXCAVATION. PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 210.10 COLD PLANING, BITUMINOUS PAVEMENT.



ISLAND REMOVAL DETAIL
MONTPELIER STATE HIGHWAY
 MONTPELIER STA. 29+10 TO 29+95, RT.

NOT TO SCALE

MISCELLANEOUS DETAIL SHEET #2

PROJECT NAME: MONTPELIER

PROJECT NUMBER: NH 290(I)

FILE NAME: p10dl16.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p09b316md02.i

PLOT DATE: 26-MAY-2011

DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 60 OF 79



STATE OF VERMONT AGENCY OF TRANSPORTATION

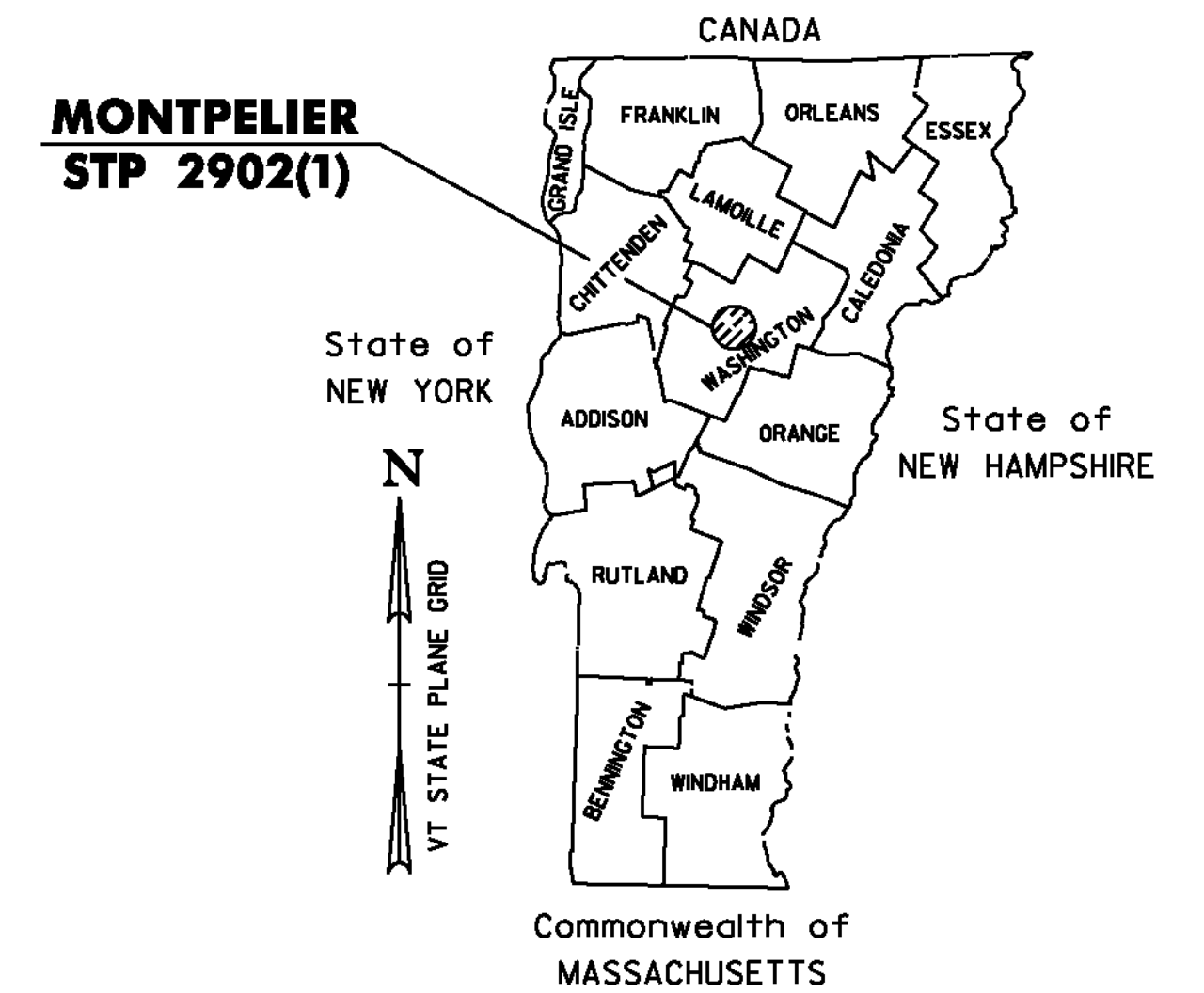


PROPOSED IMPROVEMENT CITY OF MONTPELIER COUNTY OF WASHINGTON MONTPELIER JUNCTION STATE HIGHWAY MAJOR COLLECTOR

BEGINNING ON MONTPELIER JUNCTION STATE HIGHWAY AT STA. 0+31.68 (MM 0.006) AND EXTENDING EASTERLY
ALONG MONTPELIER JUNCTION STATE HIGHWAY FOR A DISTANCE OF 3,627.36 FEET (0.687 MILE) TO STA. 36+59.04 (MM 0.693).
ALSO INCLUDES 427.68 FEET (0.081 MILE) OF CONNECTING APPROACHES.

PROJECT DATA:	LENGTH (FEET)	LENGTH (MILES)
CITY OF MONTPELIER		
MONTPELIER JUNCTION STATE HIGHWAY		
MAINLINE STA. 0+31.68 TO 36+59.04 MM 0.006 TO 0.693	3,627.36	0.687
APPROACHES	427.68	0.081
TOTAL LENGTH OF PROJECT:	4,055.04	0.768
TOTAL LENGTH OF ROADWAY:	4,055.04	0.768

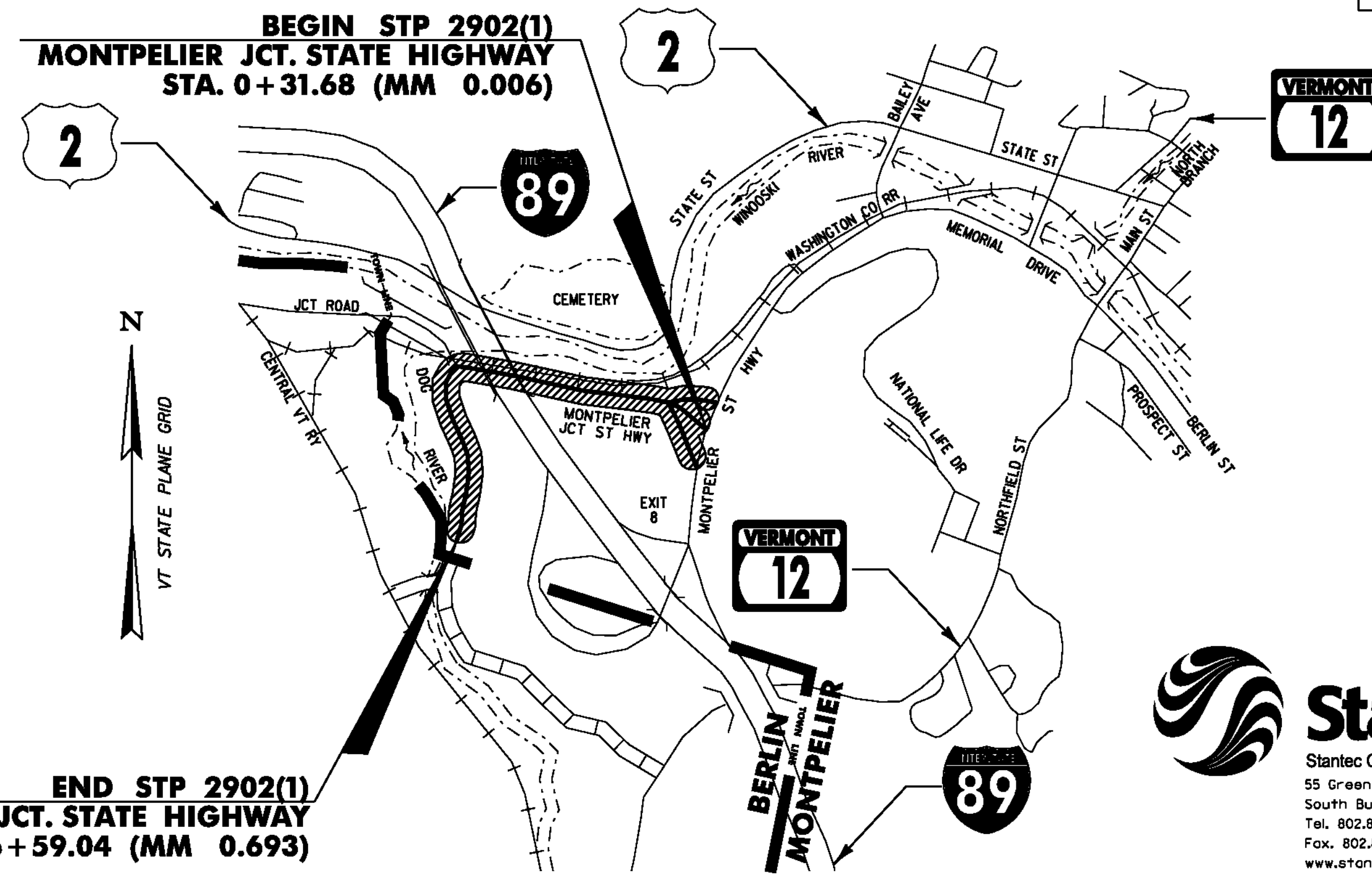
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING THE EXISTING HIGHWAY WITH A
LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND OTHER INCIDENTAL ITEMS.



SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	488,500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS

TRAFFIC DATA
MONTPELIER JUNCTION STATE HIGHWAY

LOCATION	AADT		DHV		ESALS	
	2009	2019	2009	2019	2009-2019	2009-2029
BEGIN PROJECT TO JUNCTION ROAD (T.H. 7)	1800	1900	250	260	579,000	977,000
JUNCTION ROAD (T.H. 7) TO END PROJECT	950	1000	130	140	140,000	260,000



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 PURPOSES.

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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN "NOT TO SCALE".

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

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

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

END STP 2902(1)
MONTPELIER JCT. STATE HIGHWAY
STA. 36+59.04 (MM 0.693)



Stantec

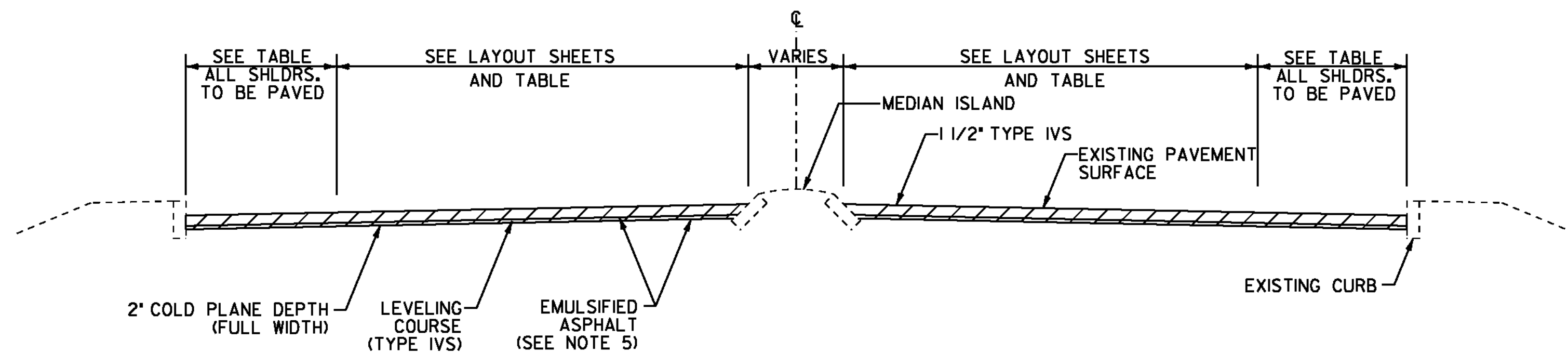
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

p09b318.dgn
p09b318.ts.i

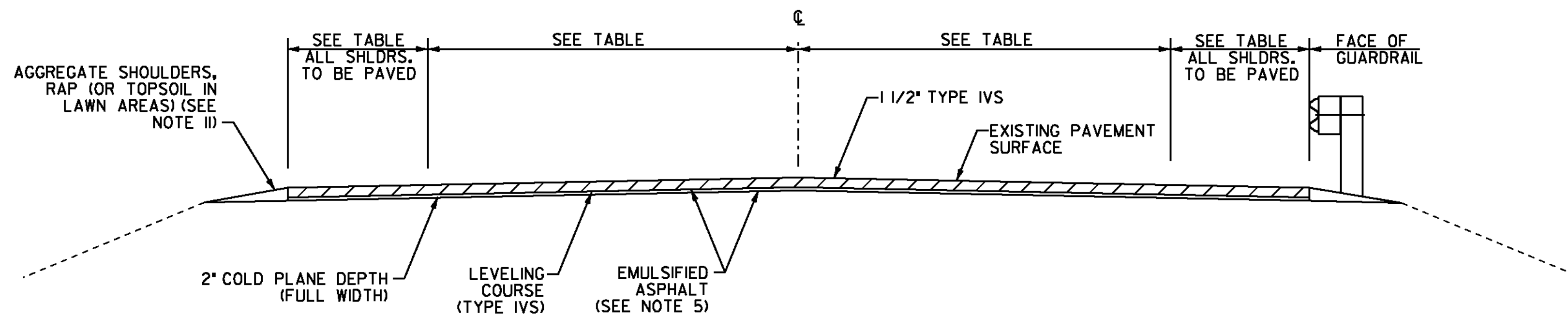
PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : MONTPELIER
PROJECT NUMBER : STP 2902 (1)

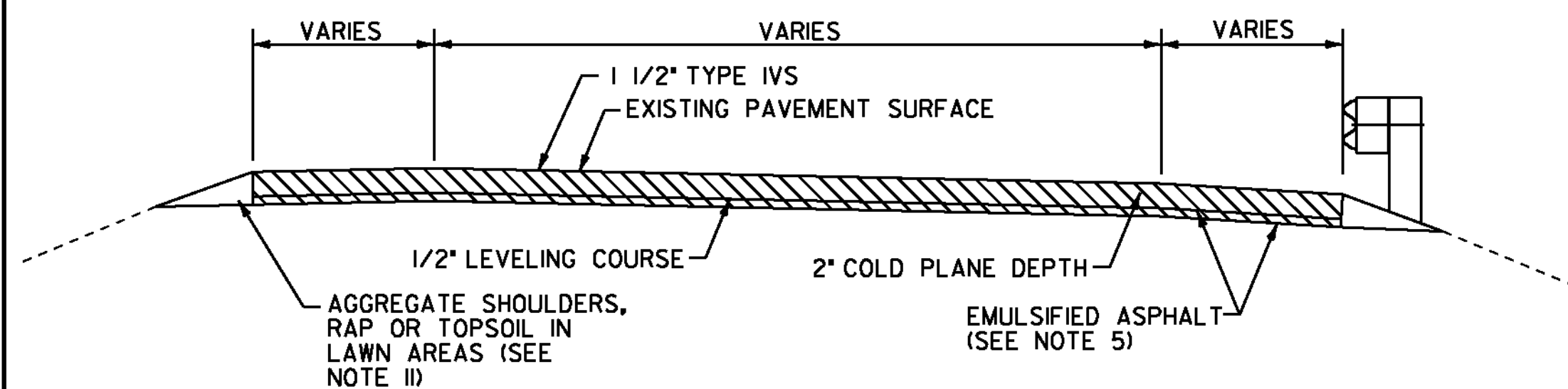
SHEET 61 OF 79 SHEETS



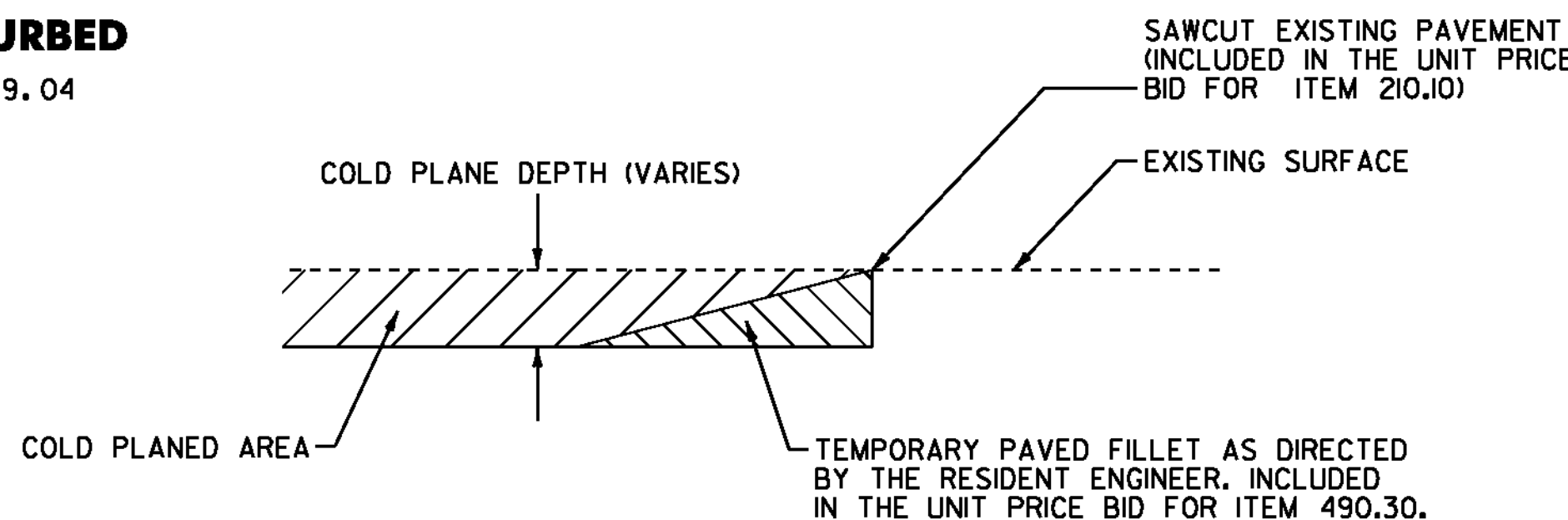
COLD PLANE TYPICAL SECTION - CURBED
MONTPELIER JCT STATE HIGHWAY STA. 0+31.68 TO 2+26



COLD PLANE TYPICAL SECTION - NON-CURBED
MONTPELIER JCT STATE HIGHWAY STA. 2+26 TO 36+59.04



SLIP RAMPS TYPICAL SECTION
FULL ROADWAY WIDTH
SLIP RAMP *M* STA. 0+98 TO 3+08
SLIP RAMP *N* STA. 100+86 TO 103+02



DETAIL AT VERTICAL COLD PLANE JOINTS

NOTE: THIS DETAIL SHALL BE USED AT THE LOCATIONS AND SIDE ROADS LISTED BELOW AND AT ALL DRIVES AS DIRECTED BY THE RESIDENT ENGINEER.

FULL ROADWAY WIDTH
STA. 0+31.68 (BEGIN PROJECT)
STA. 0+98.00 (SLIP RAMP M)
STA. 103+02 (SLIP RAMP N)
STA. 20+73, RT (JUNCTION ROAD)
STA. 36+59.04 (END PROJECT)

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
MONTPELIER JCT STATE HIGHWAY MAINLINE	0+31.68	3+32	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	3+32	20+30	3'-0" - 11'-0" - 11'-0" - 3'-4"	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	20+30	21+16	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	21+16	23+50	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	23+50	25+50	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	25+50	26+82	2'-6" - 11'-0" - 11'-0" - 2'-6"	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	26+82	29+75	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	29+75	30+54	8'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	30+54	31+22	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY MAINLINE	31+22	36+59.04	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY SLIP RAMP M	0+98	3+08	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.
MONTPELIER JCT STATE HIGHWAY SLIP RAMP N	100+86	103+02	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL, AND THEN PAVE WITH 1 1/2" TYPE IVS.

NOTES

- THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
- EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON THE MISCELLANEOUS DETAIL SHEET.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON THIS SHEET.
- ALL PUBLIC, PRIVATE OR FIELD DRIVES SHALL RECEIVE A MINIMUM 4' PAVED APRON PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
- A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II, AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
- ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP EDGES OF PAVEMENT.

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 651.5: 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.

NOT TO SCALE

PROJECT TYPICAL SHEET

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b318pts.i

PLOT DATE: 31-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 62 OF 79



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT		ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS	
	80				80	CY		EARTH BORROW	203.30	5			COLD PLANING - BITUMINOUS PAVEMENT	
	1				1	CY		TRENCH EXCAVATION OF EARTH, EXPLORATORY (N. A. B. I.)	204.22	EST.	11720	SY	MAINLINE	
	13200				13200	SY		COLD PLANING, BITUMINOUS PAVEMENT	210.10	144	569	SY	SLIP RAMP M	
	130				130	TON		AGGREGATE SHOULDERS, RAP	402.13	3	615	SY	SLIP RAMP N	
	55				55	CWT		EMULSIFIED ASPHALT	404.65	0.6	152	SY	SIDERROADS	
	1				1	LU		PRICE ADJUSTMENT, ASPHALT CEMENT (N. A. B. I.)	406.50	EST.	144	SY	ROUNDING	
	1550				1550	TON		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	11	13200	SY	TOTAL	
	1				1	LU		AIR VOIDS PAY ADJUSTMENT (N. A. B. I.)	490.31	EST.			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	
	1				1	LU		MAT DENSITY PAY ADJUSTMENT (N. A. B. I.)	490.32	EST.	1037	TON	MAINLINE WEARING COURSE (TYPE IVS)	
	1				1	LU		SURFACE TOLERANCE PAY ADJUSTMENT (N. A. B. I.)	490.33	EST.	54	TON	SLIP RAMP N (TYPE IVS)	
	1				1	LU		LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N. A. B. I.)	490.34	EST.	50	TON	SLIP RAMP M (TYPE IVS)	
	5				5	EACH		CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.	13	TON	SIDERROADS (TYPE IVS)	
	3				3	EACH		REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.	385	TON	LEVELING (TYPE IVS)	
	1				1	EACH		REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.	11	TON	ROUNDING	
	45				45	HR		POWER GRADER RENTAL	608.15	EST.	1550	TON	TOTAL	
	45				45	HR		ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.				
	15				15	HR		POWER BROOM RENTAL, TYPE I	608.30	EST.				
	25				25	HR		POWER BROOM RENTAL, TYPE II	608.31	EST.				
	25				25	HR		TRUCK RENTAL	608.37	EST.				
	25				25	HR		LOADER RENTAL, TYPE I	608.40	EST.				
	15				15	CY		STONE FILL, TYPE I	613.10	EST.				
	50				50	LF		TREATED TIMBER CURB	616.35	4				
	6				6	EACH		YIELDING MARKER POSTS	619.17	-				
	1375				1375	LF		STEEL BEAM GUARDRAIL, GALVANIZED	621.20	12.5				
	3				3	EACH		MANUFACTURED TERMINAL SECTION, FLARED	621.50	-				
	900				900	LF		REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-				
	500				500	HR		UNIFORMED TRAFFIC OFFICERS	630.10	EST.				
	1500				1500	HR		FLAGGERS	630.15	EST.				
				0.3	0.3	LS		FIELD OFFICE, ENGINEERS	631.10	-				
				0.3	0.3	LS		TESTING EQUIPMENT, CONCRETE	631.16	-				
				0.3	0.3	LS		TESTING EQUIPMENT, BITUMINOUS	631.17	-				
				1000	1000	DL		FIELD OFFICE TELEPHONE (N. A. B. I.)	631.26	-				
	0.3				0.3	LS		MOBILIZATION/DEMOBILIZATION	635.11	-				
	1				1	LS		TRAFFIC CONTROL (STP 2902 (1))	641.10	-				
	0.3				0.3	LS		PUBLIC RELATIONS OFFICER	641.12	-				
	50				50	DAY		PORTABLE CHANGEABLE MESSAGE SIGN RENTAL	641.17	EST.				
	1230				1230	LF		DURABLE 4 INCH WHITE LINE, TYPE I TAPE	646.401	18				

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b318qs01.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 63 OF 79

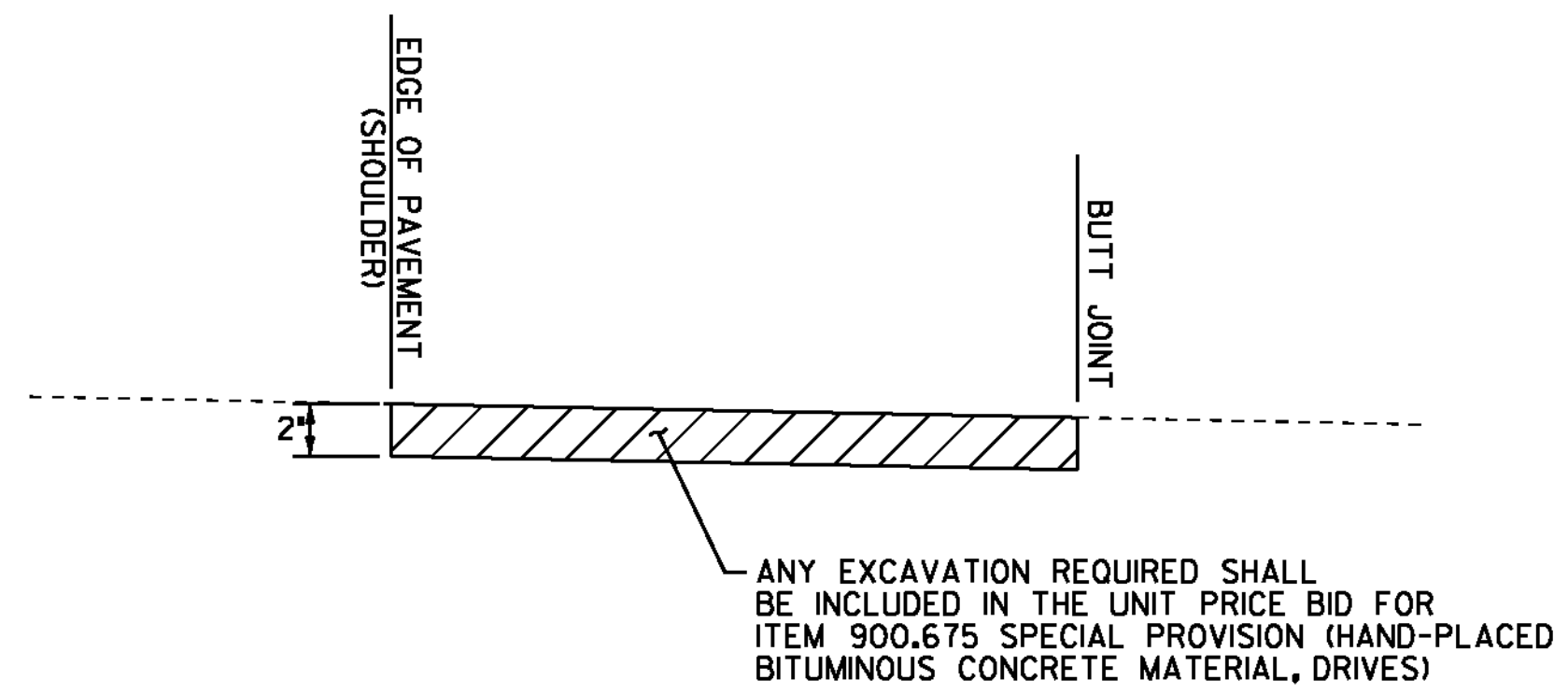
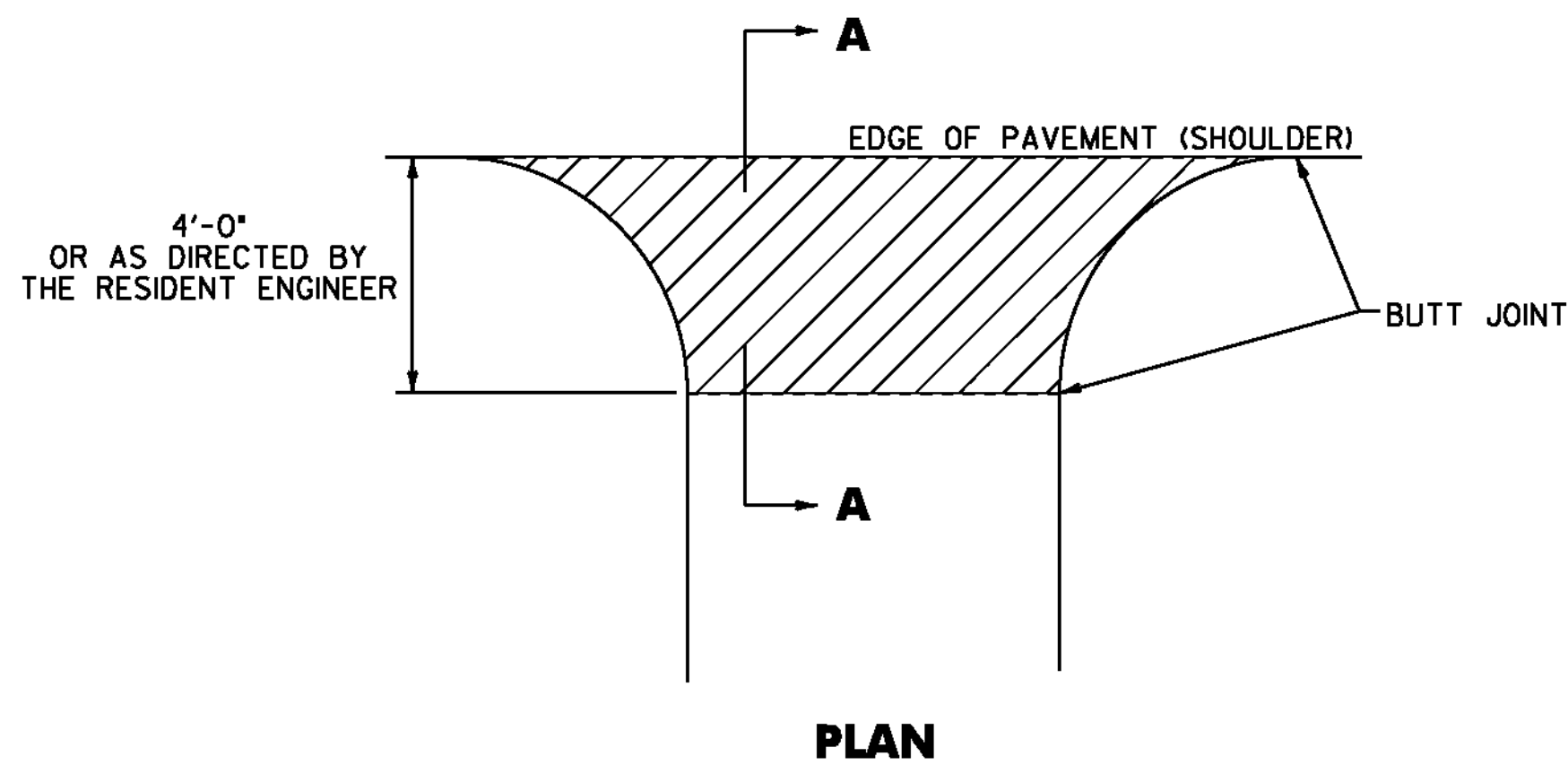
QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES					TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES		
	ROADWAY	EROSION CONTROL	RAILROAD	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS
							BEGIN OPTION AA					
	6590				6590	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	72			
	6590				6590	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	72			
	6590				6590	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	72			
							END OPTION AA					
	1230				1230	LF	DURABLE 4 INCH YELLOW LINE, TYPE I TAPE	646.411	17			
							BEGIN OPTION BB					
	6550				6550	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	70			
	6550				6550	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	70			
	6550				6550	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	70			
							END OPTION BB					
	50				50	LF	DURABLE 8 INCH YELLOW LINE, TYPE I TAPE	646.451	1			
	20				20	LF	DURABLE 24 INCH STOP BAR, TYPE I TAPE	646.481	1			
							BEGIN OPTION CC					
	30				30	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	4			
	30				30	LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	4			
	30				30	LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	4			
							END OPTION CC					
	23				23	EACH	DURABLE LETTER OR SYMBOL, TYPE I TAPE	646.491	-			
							BEGIN OPTION DD					
	18				18	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
	18				18	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-			
	18				18	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-			
							END OPTION DD					
	15600				15600	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	140			
	15550				15550	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	164			
	100				100	LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	2			
	95				95	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	5			
	82				82	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-			
	490				490	EACH	LINE STRIPING TARGETS	646.76	5			
	350				350	LF	PAINTED CURB	646.81	2			
	510				510	SF	PAINTED ISLAND	646.82	3			
		120			120	SY	GEOTEXTILE UNDER STONE FILL	649.31	EST.			
		80			80	LB	SEED	651.15	EST.			
		500			500	LB	FERTILIZER	651.18	EST.			
		2			2	TON	AGRICULTURAL LIMESTONE	651.20	EST.			
		2			2	TON	HAY MULCH	651.25	EST.			

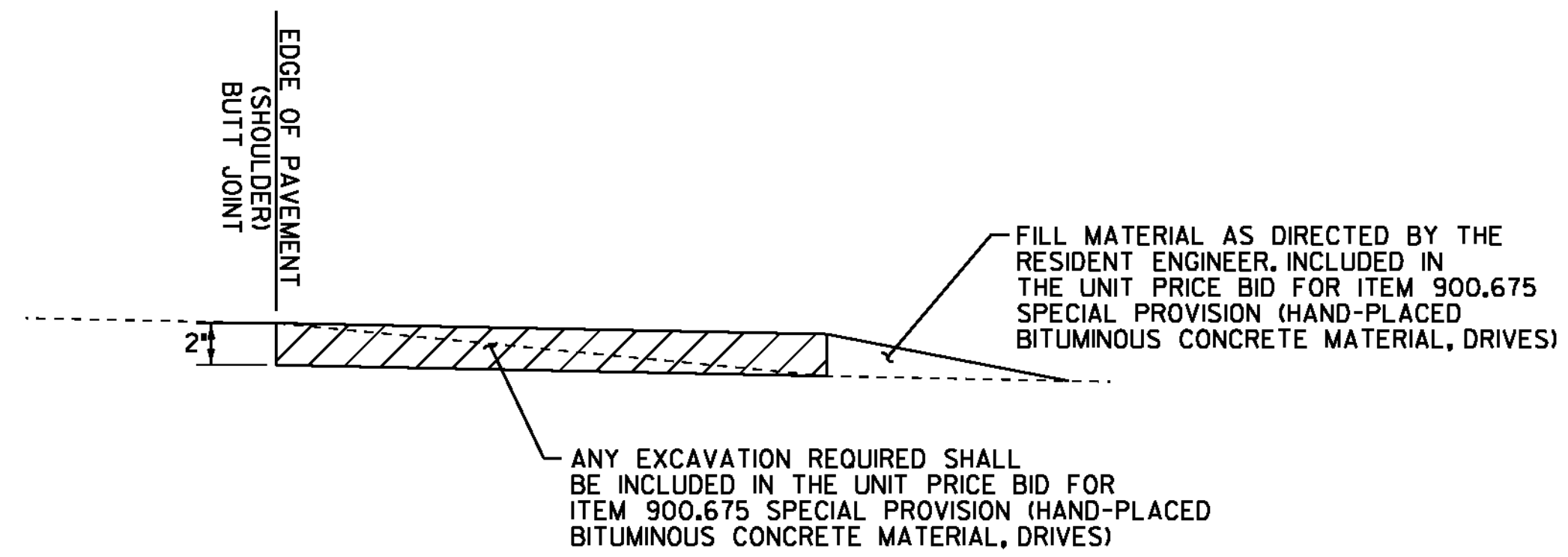
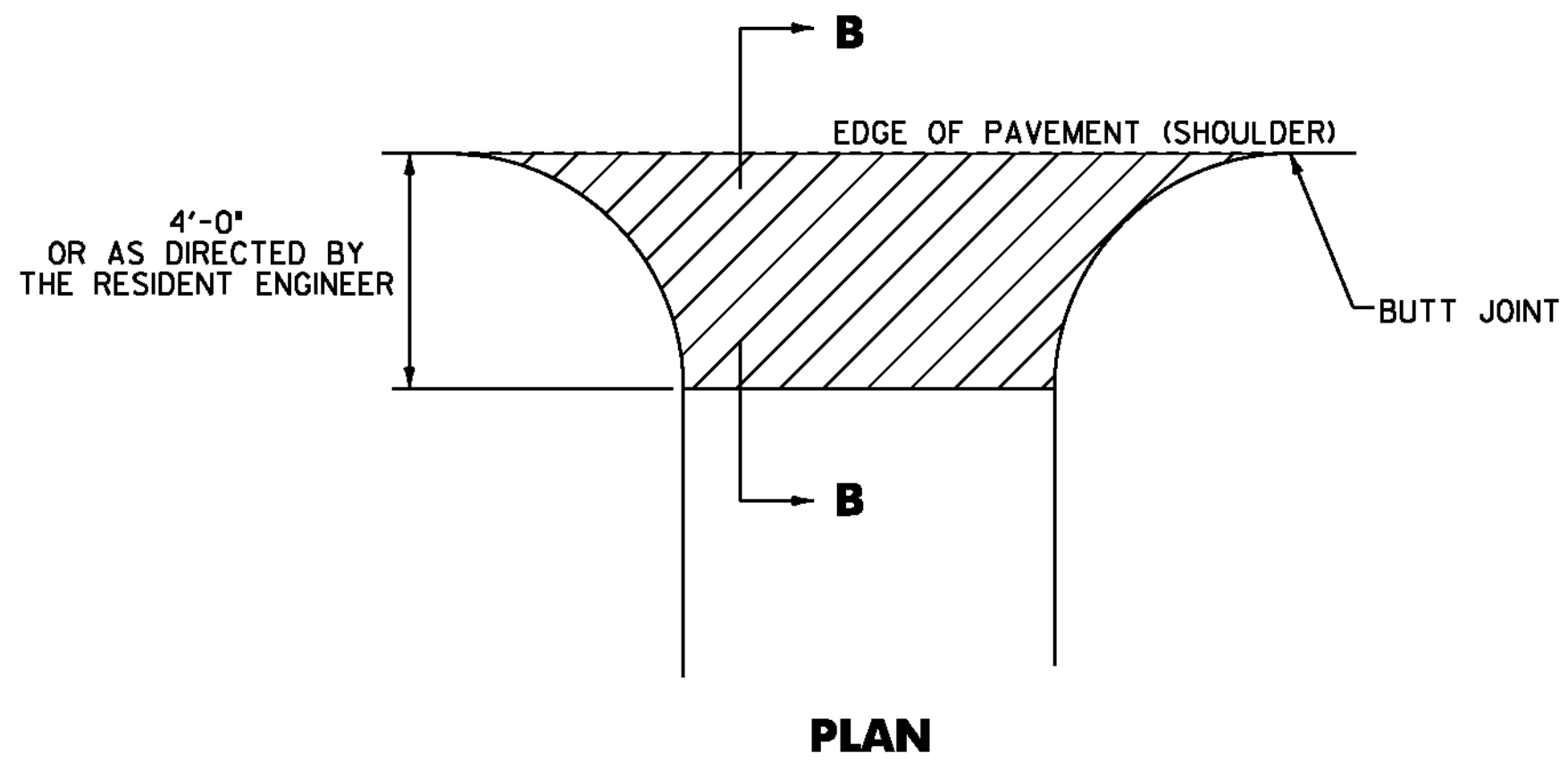
PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b318qs02.i

PLOT DATE: 26-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 64 OF 79



SECTION A-A
HANDWORK DETAILS FOR PAVED DRIVES



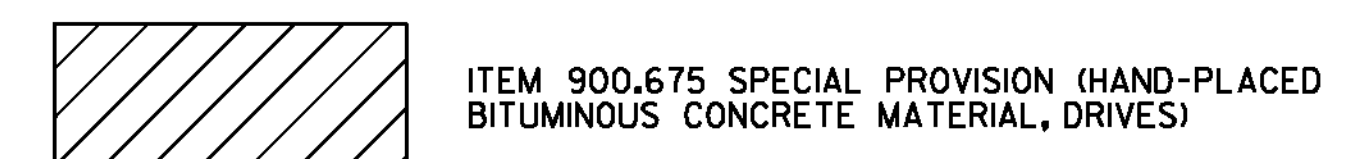
SECTION B-B
HANDWORK DETAILS FOR GRAVEL DRIVES

STATION	POSITION	QUANTITY (SY)
MONTPELIER JCT. STATE HIGHWAY		
4+41	LT	31
7+16	LT	39
20+91	LT	92
23+09	LT	36
24+75	LT	14
26+93	RT	16
27+03	LT	8
28+40	LT	16
28+75	RT	16
29+47	LT	39
30+84	LT	41
SUBTOTAL		348
ROUNDING		2
TOTAL		350

NOTES:

- PAVING LIFT SHALL BE A MINIMUM OF 1 1/2" AND A MAXIMUM OF 2".
- THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
- EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND



NOT TO SCALE

DRIVE DETAIL SHEET	PROJECT NAME: MONTPELIER	
	PROJECT NUMBER: STP 2902(1)	
	FILE NAME: p09b318.dgn	PLOT DATE: 31-MAY-2011
	PROJECT LEADER: JLL	DRAWN BY: STANTEC
	DESIGNED BY: STANTEC	CHECKED BY: STANTEC
	IPARM FILE: p09b318ds.i	SHEET 67 OF 79

604.412, OR 604.415 REHAB.
DIS. CBS OR MHS. CLASS I. OR II
STA. 0+41, RT
STA. 2+24, LT
STA. 2+24, RT
STA. 3+32, LT

616.35 TREATED TIMBER CURB
SLIP RAMP M STA. 0+98 TO 1+44, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
SLIP RAMP M STA. 0+98.0 TO MAINLINE STA. 3+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
SLIP RAMP M STA. 0+98 TO MAINLINE STA. 3+50, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI FOR SIDE ROADS)
MAINLINE STA. 0+34 TO 1+79, SOLID RT
MAINLINE STA. 0+34 TO 2+48, SOLID LT
MAINLINE STA. 1+79 TO 2+33, DOTTED RT
SLIP RAMP N STA. 100+00 TO 103+02, SOLID RT
SLIP RAMP M STA. 0+98 TO 4+55, SOLID RT
MAINLINE STA. 2+92 TO 3+50, SOLID RT
MAINLINE STA. 3+32 TO 3+50, SOLID LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
MAINLINE STA. 0+42 TO 0+57, DOUBLE SOLID LT & RT
MAINLINE STA. 0+57 TO 3+50, SOLID LT & RT
SLIP RAMP N STA. 100+74 TO 103+02, SOLID LT
SLIP RAMP M STA. 0+98 TO 3+37, SOLID LT

646.451 DURABLE 8 INCH YELLOW LINE, TYPE I TAPE
MAINLINE STA. 0+42 TO 0+57, SOLID LT & RT (DIAGONALS)
MAINLINE STA. 2+24 TO 2+78, SOLID LT & RT (DIAGONALS)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
MAINLINE STA. 0+45, LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
MAINLINE STA. 0+55, LT "STOP"
SLIP RAMP N STA. 102+67, C - YIELD BAR
SLIP RAMP M STA. 1+26, C - "YIELD"
SLIP RAMP M STA. 1+66, C - "AHEAD"
SLIP RAMP M STA. 3+02, C - YIELD BAR

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI FOR SIDE ROADS)
MAINLINE STA. 0+34 TO 1+79, SOLID RT
MAINLINE STA. 0+34 TO 2+48, SOLID LT
MAINLINE STA. 1+79 TO 2+33, DOTTED RT
SLIP RAMP N STA. 100+00 TO 103+02, SOLID RT
SLIP RAMP M STA. 0+98 TO 4+55, SOLID RT
MAINLINE STA. 2+92 TO 3+50, SOLID RT
MAINLINE STA. 3+32 TO 3+50, SOLID LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
MAINLINE STA. 0+42 TO 0+57, DOUBLE SOLID LT & RT
MAINLINE STA. 0+57 TO 3+50, SOLID LT & RT
SLIP RAMP N STA. 100+74 TO 103+02, SOLID LT
SLIP RAMP M STA. 0+98 TO 3+37, SOLID LT

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
MAINLINE STA. 0+42 TO 0+57, SOLID LT & RT (DIAGONALS)
MAINLINE STA. 2+24 TO 2+78, SOLID LT & RT (DIAGONALS)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
MAINLINE STA. 0+45, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
MAINLINE STA. 0+55, LT "STOP"
SLIP RAMP N STA. 102+67, C - YIELD BAR
SLIP RAMP M STA. 1+26, C - "YIELD"
SLIP RAMP M STA. 1+66, C - "AHEAD"
SLIP RAMP M STA. 3+02, C - YIELD BAR

646.81 PAINTED CURB
MAINLINE STA. 0+56 TO 2+25, LT & RT

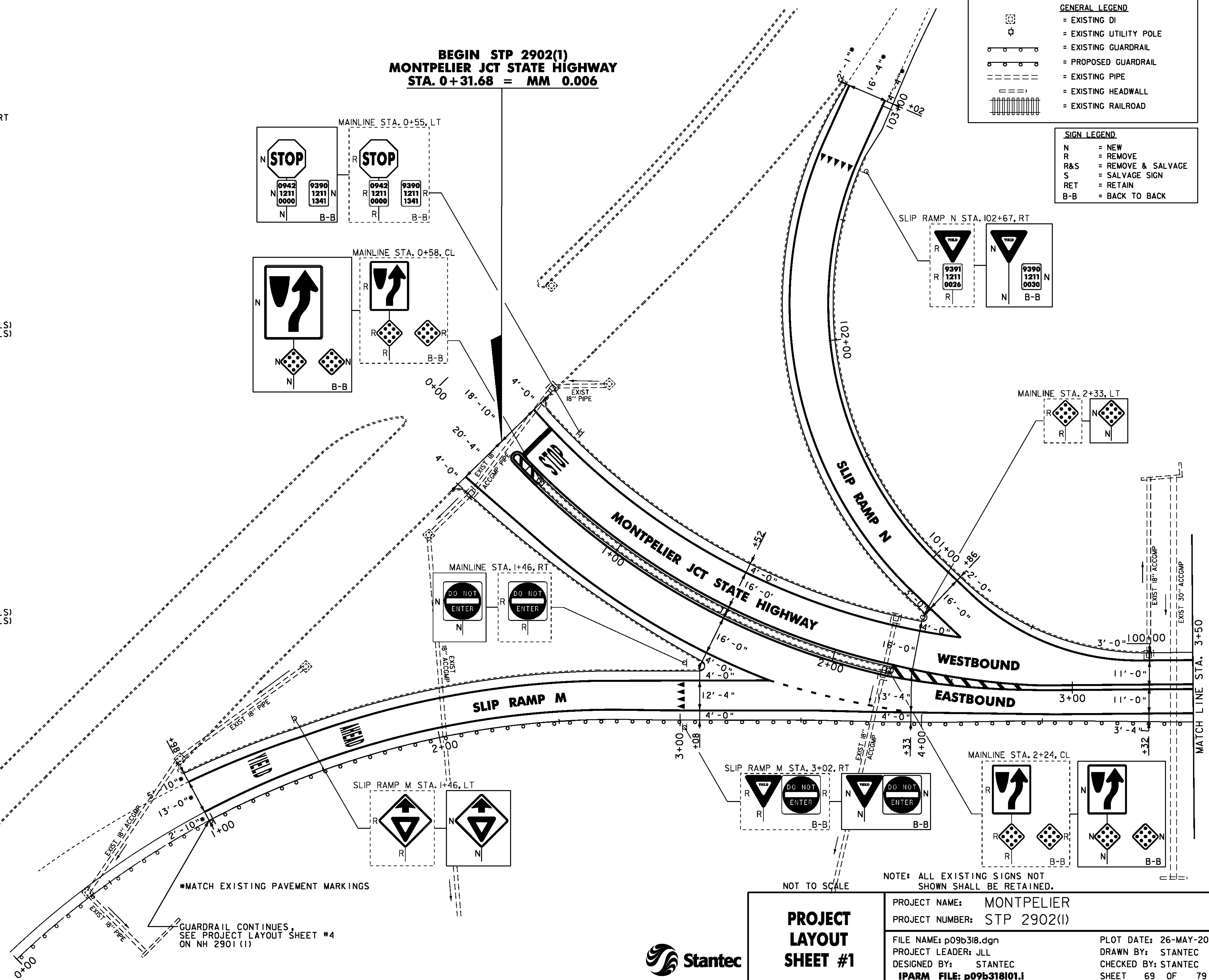
646.82 PAINTED ISLAND
MAINLINE STA. 0+56 TO 2+25, C

675.50 REMOVING SIGNS
AS SHOWN - 16

**BEGIN STP 2902(1)
MONTPELIER JCT STATE HIGHWAY
STA. 0+31.68 = MM 0.006**

GENERAL LEGEND	
	= EXISTING DI
	= EXISTING UTILITY POLE
	= EXISTING GUARDRAIL
	= PROPOSED GUARDRAIL
	= EXISTING PIPE
	= EXISTING HEADWALL
	= EXISTING RAILROAD

SIGN LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK



NOTE: ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

PROJECT LAYOUT SHEET #1	PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
	PROJECT NUMBER: STP 2902(1)	DRAWN BY: STANTEC
	FILE NAME: p09b318.dgn	CHECKED BY: STANTEC
	DESIGNED BY: STANTEC	SHEET 69 OF 79

IPARM FILE: p09b318(1).i



*MATCH EXISTING PAVEMENT MARKINGS

GUARDRAIL CONTINUES, SEE PROJECT LAYOUT SHEET #4 ON NH 2901 (1)

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 3+50 TO 8+04.5, RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
STA. 8+04.5 TO 8+42.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 3+50 TO 8+42, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 3+50 TO 4+00, SOLID LT & RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 4+00 TO 9+50, SOLID LT & RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 4+00, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 4+00 TO 9+50, SOLID LT & RT

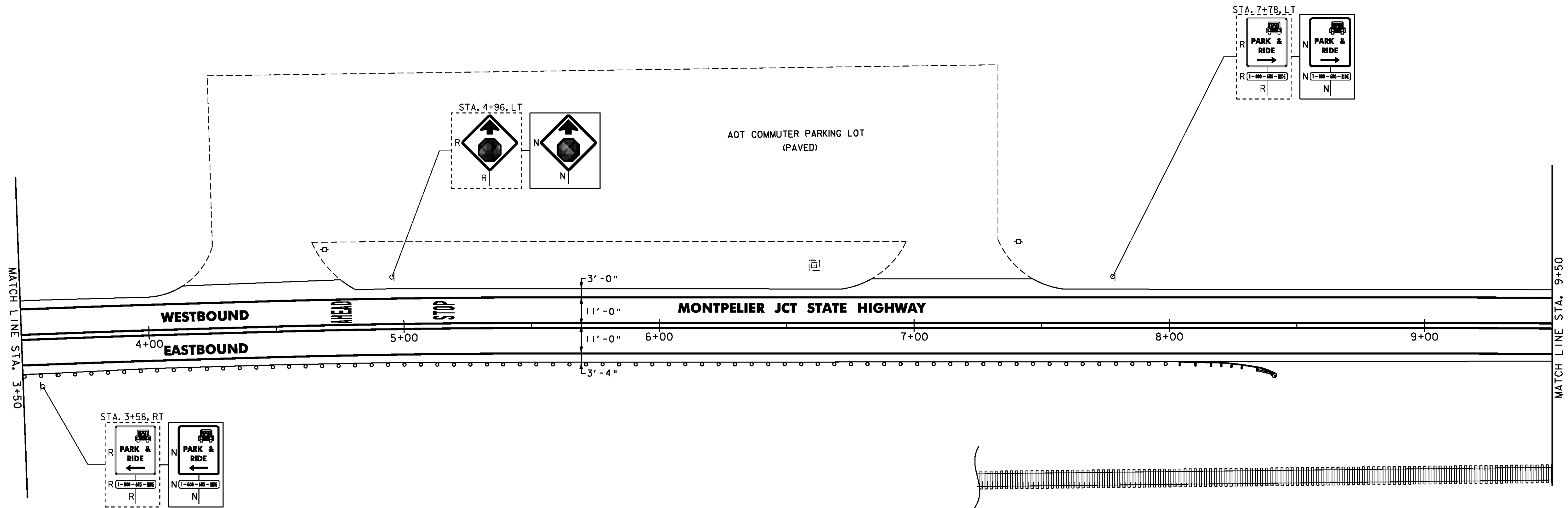
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 4+76, LT "AHEAD"
STA. 5+16, LT "STOP"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 4+76, LT "AHEAD"
STA. 5+16, LT "STOP"

675.50 REMOVING SIGNS
AS SHOWN - 5



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: STP 2902(1)	DRAWN BY: STANTEC
FILE NAME: p09b318.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 70 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p09b318102.i	



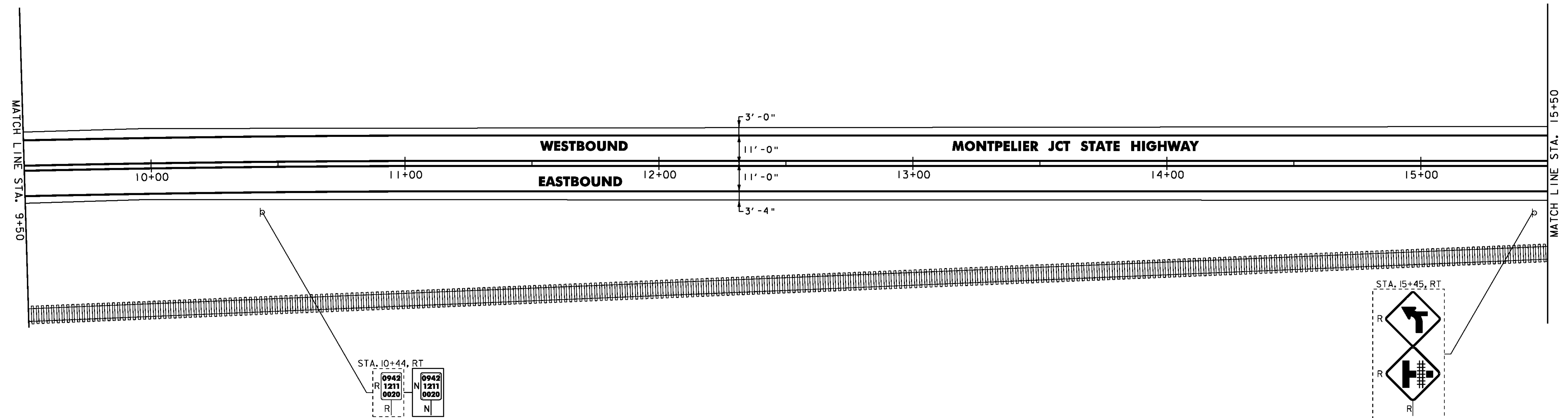
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADI1 FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADI1 FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 9+50 TO 15+50, SOLID LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 3



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL
 BE RETAINED.

NOT TO SCALE

**PROJECT
 LAYOUT
 SHEET #3**

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b318103.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 71 OF 79



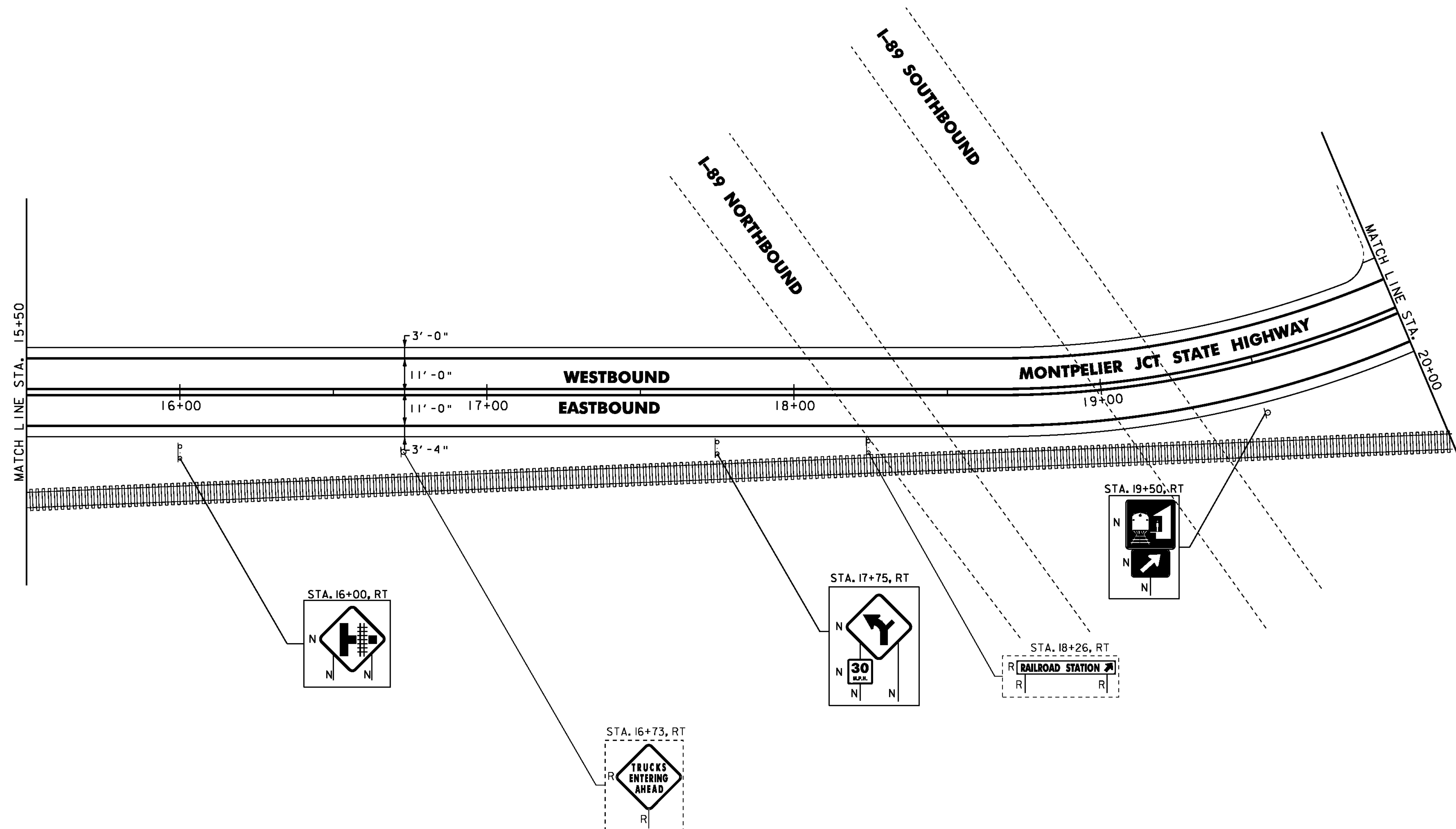
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 15+50 TO 20+00, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 15+50 TO 20+00, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 15+50 TO 20+00, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 15+50 TO 20+00, SOLID LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 2



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b318104.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 72 OF 79



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 21+41.5 TO 25+50.0, RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
STA. 21+04.0 TO 21+41.5, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 20+00 TO 25+50, SOLID LT & RT
STA. 20+73, DOUBLE SOLID RT (JUNCTION ROAD)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 20+00 TO 25+50, SOLID LT & RT
STA. 20+73, DOUBLE SOLID RT (JUNCTION ROAD)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
646.484 DURABLE 24 INCH STOP BAR, POLYUREA
STA. 20+73, RT (JUNCTION RD)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT OR
646.494 DURABLE LETTER OR SYMBOL, POLYUREA
STA. 20+73, RT YIELD BAR (JUNCTION RD)
STA. 20+73, RT "STOP" (JUNCTION RD)

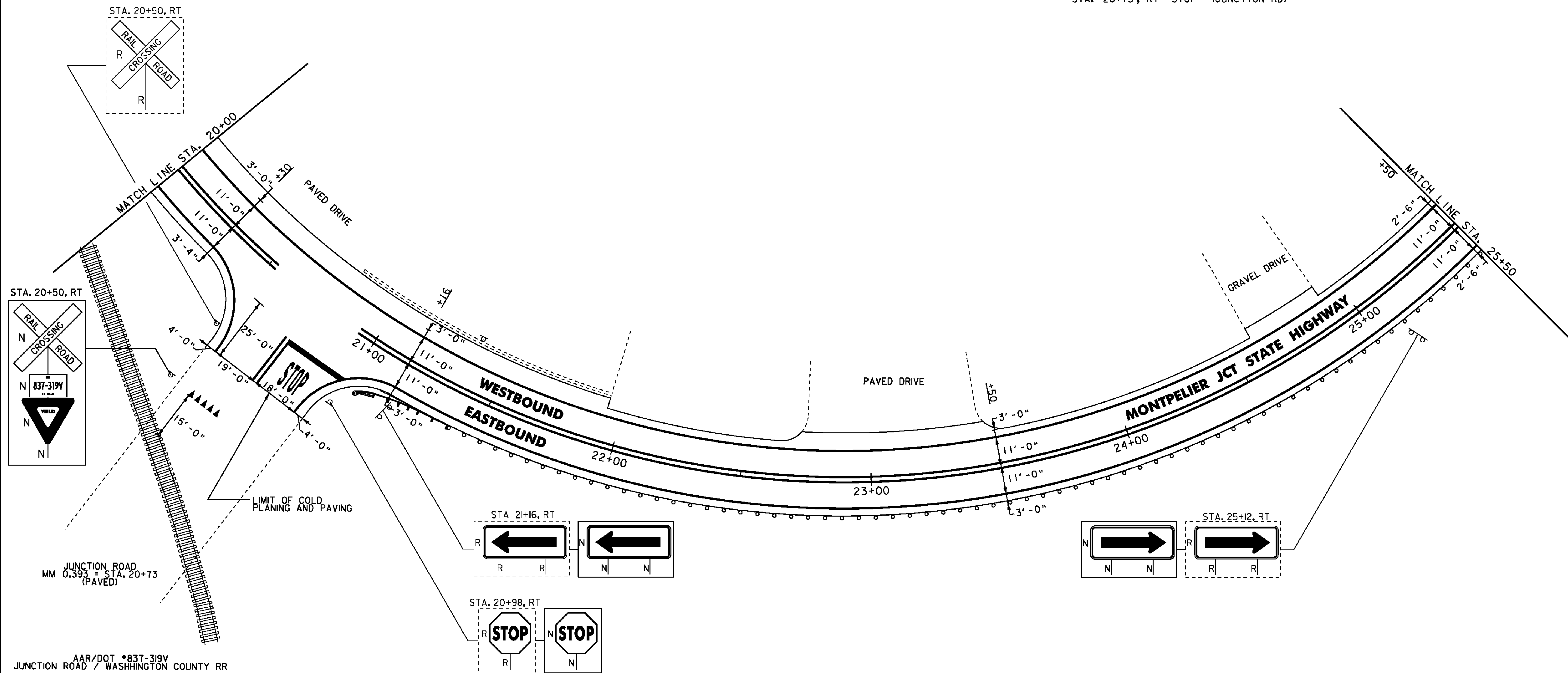
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI1 FOR SIDE ROADS)
STA. 20+00 TO 25+50, SOLID LT & RT
STA. 20+73, DOUBLE SOLID RT (JUNCTION ROAD)

675.50 REMOVING SIGNS
AS SHOWN - 4

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 20+00 TO 25+50, SOLID LT & RT
STA. 20+73, DOUBLE SOLID RT (JUNCTION ROAD)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 20+73, RT (JUNCTION RD)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 20+73, RT YIELD BAR (JUNCTION RD)
STA. 20+73, RT "STOP" (JUNCTION RD)



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL
BE RETAINED.

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #5**

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: STP 2902(1)	DRAWN BY: STANTEC
FILE NAME: p09b318.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 73 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p09b318105.i	



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 25+50.0 TO 26+41.5, RT

621.50 MANUFACTURED TERMINAL SECTION, FLARED
STA. 26+41.5 TO 26+79.0, RT

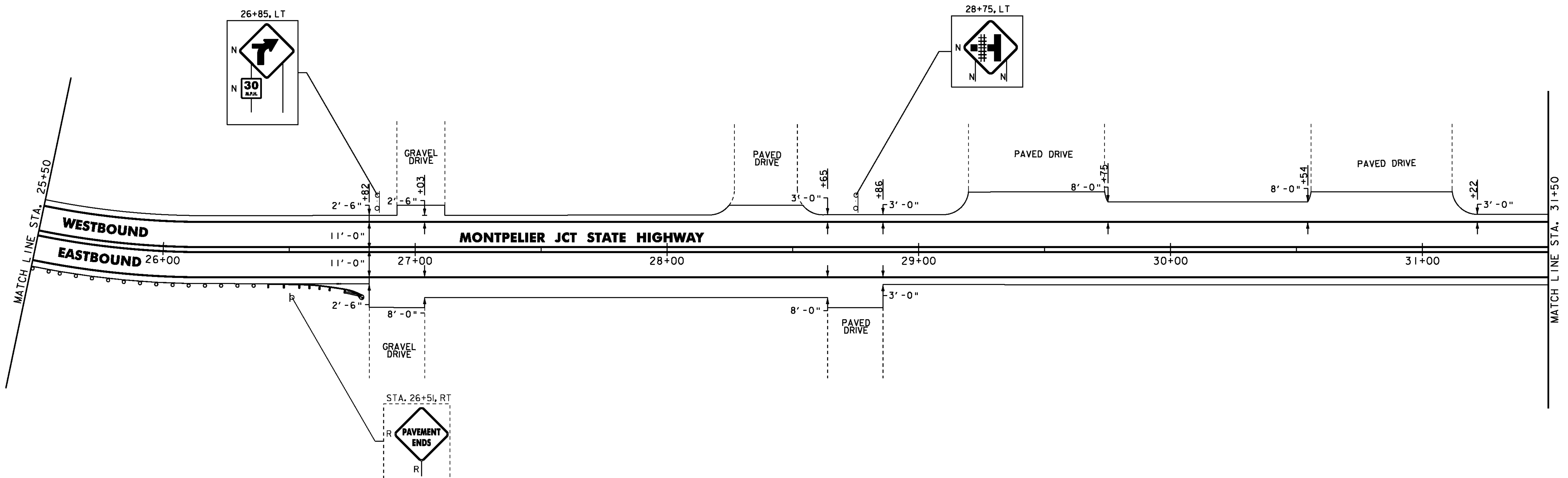
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 25+50 TO 31+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 25+50 TO 31+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 25+50 TO 31+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 25+50 TO 31+50, SOLID LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 1



NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #6

PROJECT NAME: MONTPELIER	PLOT DATE: 26-MAY-2011
PROJECT NUMBER: STP 2902(1)	DRAWN BY: STANTEC
FILE NAME: p09b318.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 74 OF 79
DESIGNED BY: STANTEC	
IPARM FILE: p09b318i06.i	



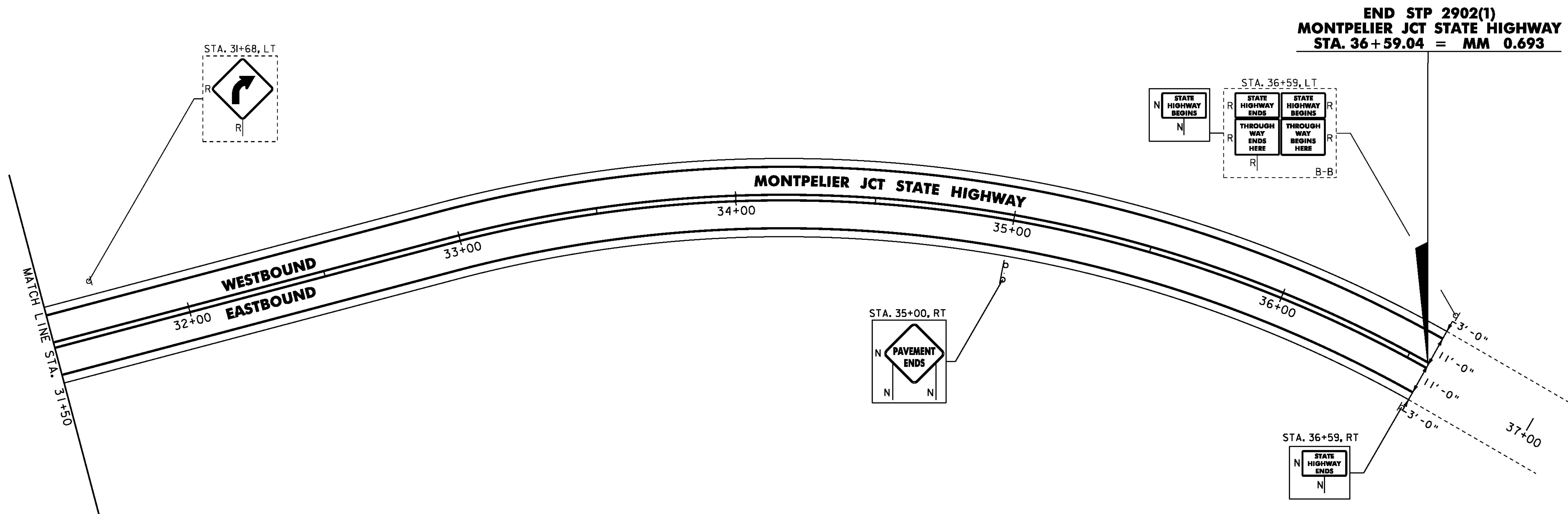
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 31+50 TO 36+59, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 31+50 TO 36+59, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADII FOR SIDE ROADS)
 STA. 31+50 TO 36+59, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 31+50 TO 36+59, SOLID LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 5



END STP 2902(1)
MONTPELIER JCT STATE HIGHWAY
STA. 36+59.04 = MM 0.693

NOTES: 1. FOR LEGENDS, SEE LAYOUT SHEET #1
 2. ALL EXISTING SIGNS NOT SHOWN SHALL
 BE RETAINED.

NOT TO SCALE

**PROJECT
 LAYOUT
 SHEET #7**

PROJECT NAME: MONTPELIER
 PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p09b318107.i

PLOT DATE: 26-MAY-2011
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 75 OF 79



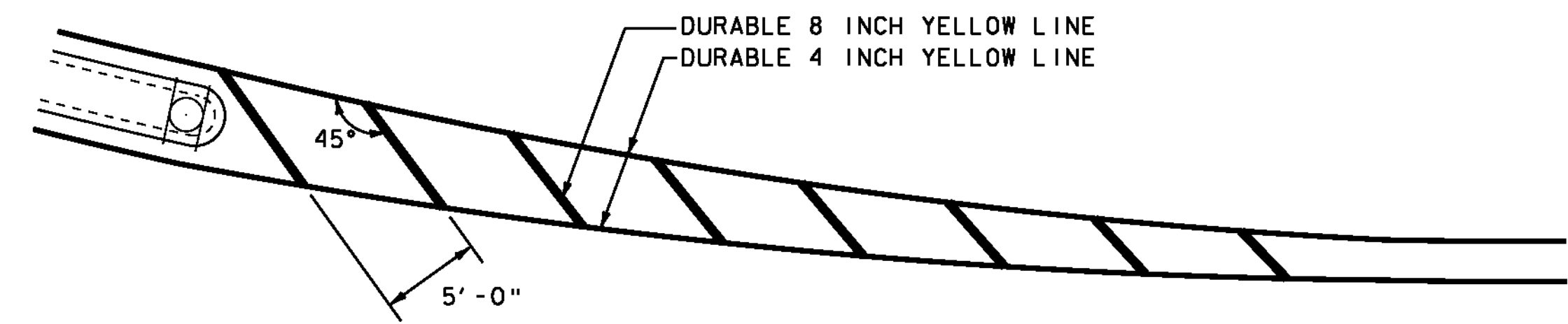
EXISTING CULVERT INVENTORY TABLE

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
MONTPELIER JCT STATE HIGHWAY			
0+40	18"	ACCGMP	MAINLINE
0+89	18"	ACCGMP	SLIP RAMP M
2+04	18"	ACCGMP	SLIP RAMP M
2+24	18"	ACCGMP	MAINLINE
3+44	30"	ACCGMP	MAINLINE

**REHAB. DROP INLETS, CATCH BASINS
or MANHOLES, CLASS I OR II**

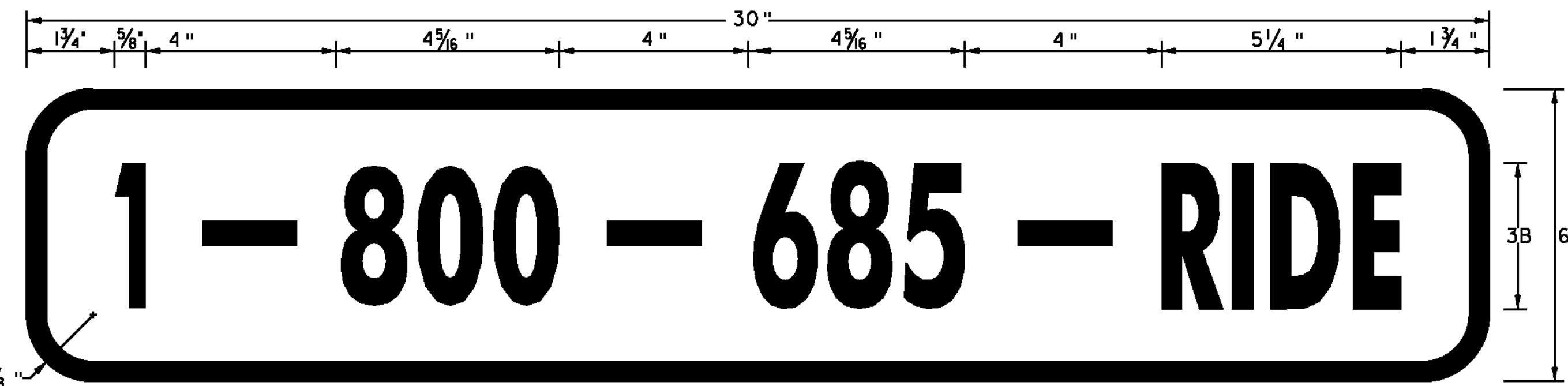
(ITEM 604.412 OR 604.415)

STATION	POSITION	DESCRIPTION
MONTPELIER JCT STATE HIGHWAY		
0+41	RT	D1
2+24	LT	D1
2+24	RT	D1
3+32	LT	D1



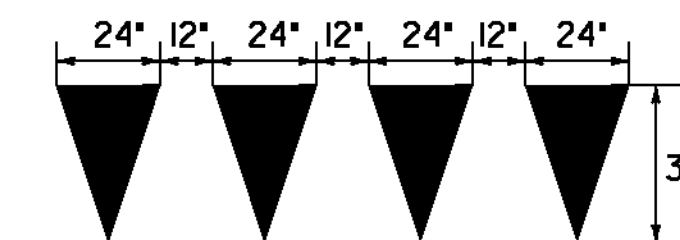
PAINTED GORE DETAIL
NOT TO SCALE

SEE LAYOUT SHEETS FOR LOCATIONS AND MATERIALS



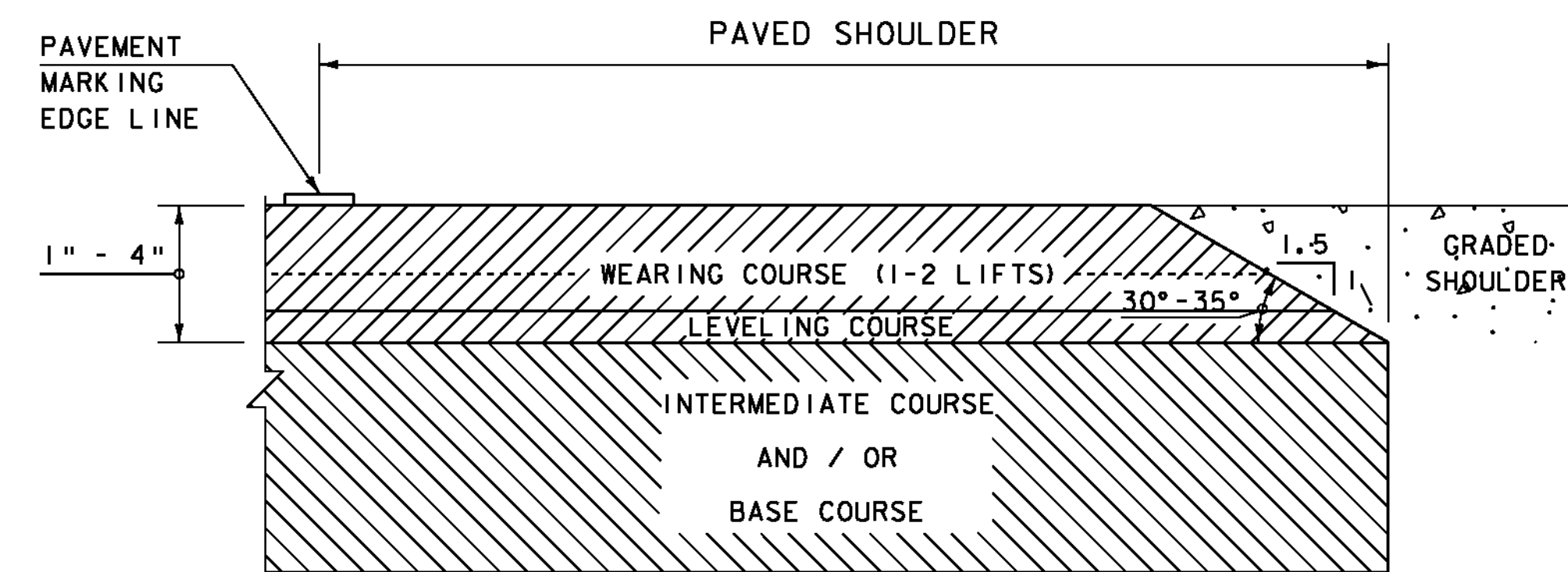
VD-365

LOCATION: STA. 3+58, RT
STA. 7+78, LT
COLOR: WHITE BORDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER VAOT STANDARD E-123
SHEETING: TYPE III MINIMUM



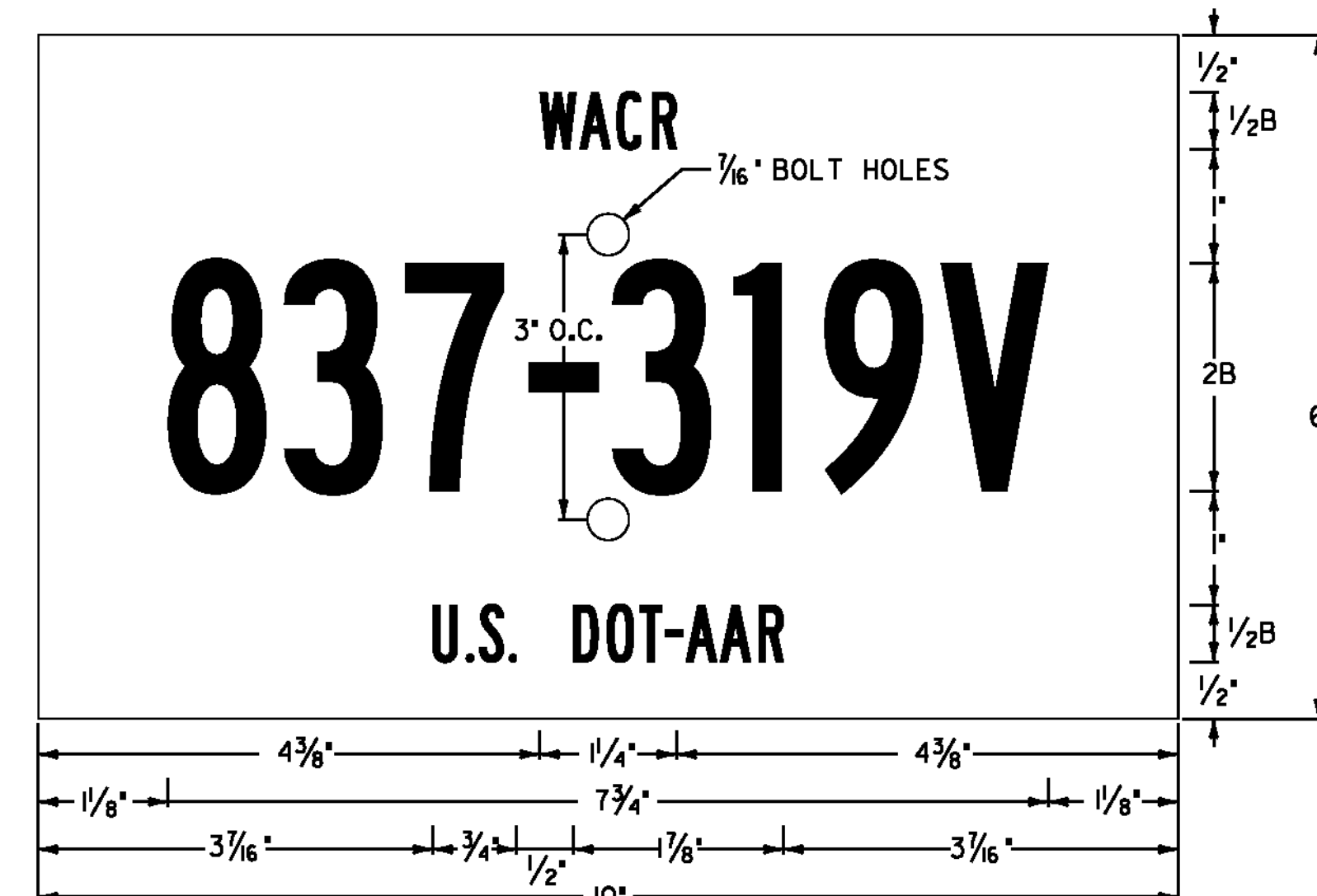
YIELD LINE DETAILS

SEE LAYOUT SHEETS FOR LOCATIONS AND MATERIALS. TO BE PAID AS ONE DURABLE LETTER OR SYMBOL PER TRIANGLE.



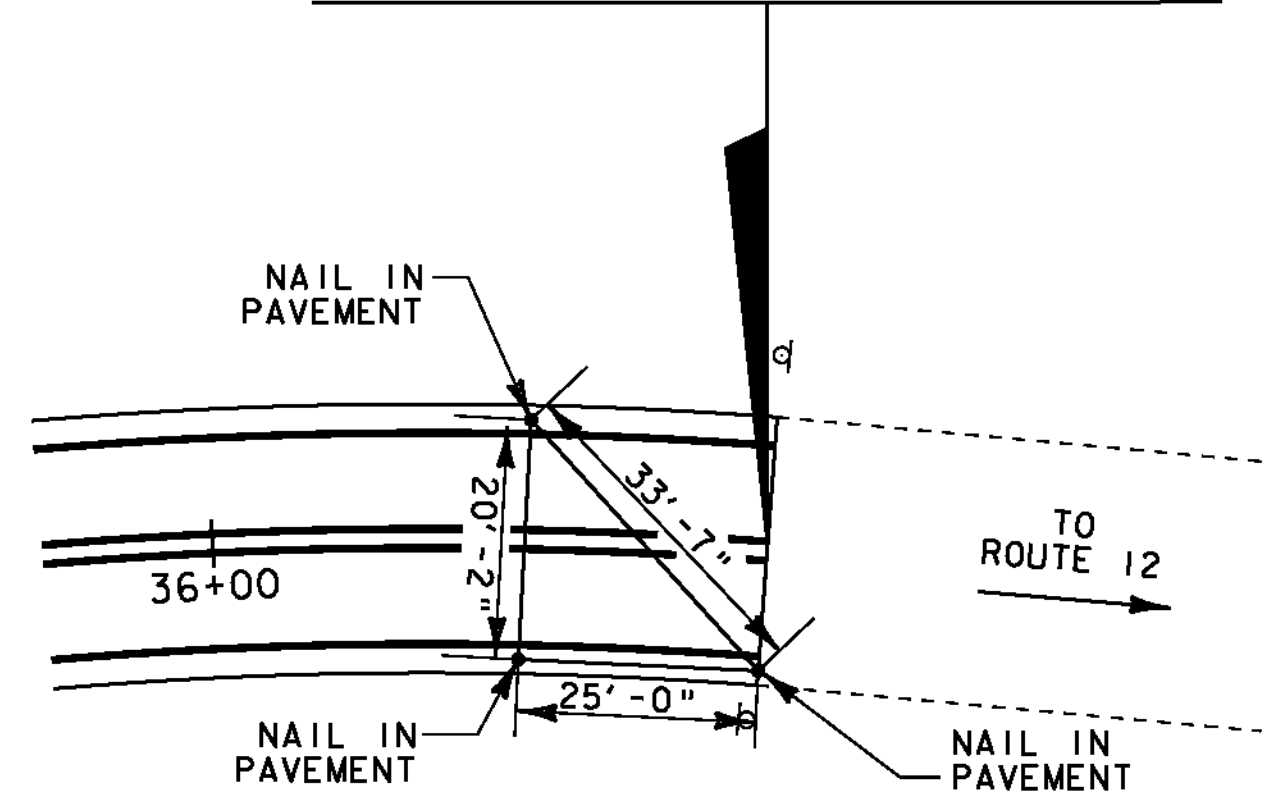
SAFETY EDGE DETAIL
NOT TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.



LOCATION: STA. 20+50, RT
COLOR: BLACK TEXT (NO BORDER)
WHITE BACKGROUND (RETROREFLECTIVE)

**END STP 2902(1)
MONTPELIER JCT STATE HIGHWAY
STA. 36+59.04 = MM 0.693**



END PROJECT LOCATION TIES

NOT TO SCALE

**MISCELLANEOUS
DETAIL
SHEET**

PROJECT NAME: MONTPELIER
PROJECT NUMBER: STP 2902(1)

FILE NAME: p09b318.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p09b318md.i

PLOT DATE: 31-MAY-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 79 OF 79

