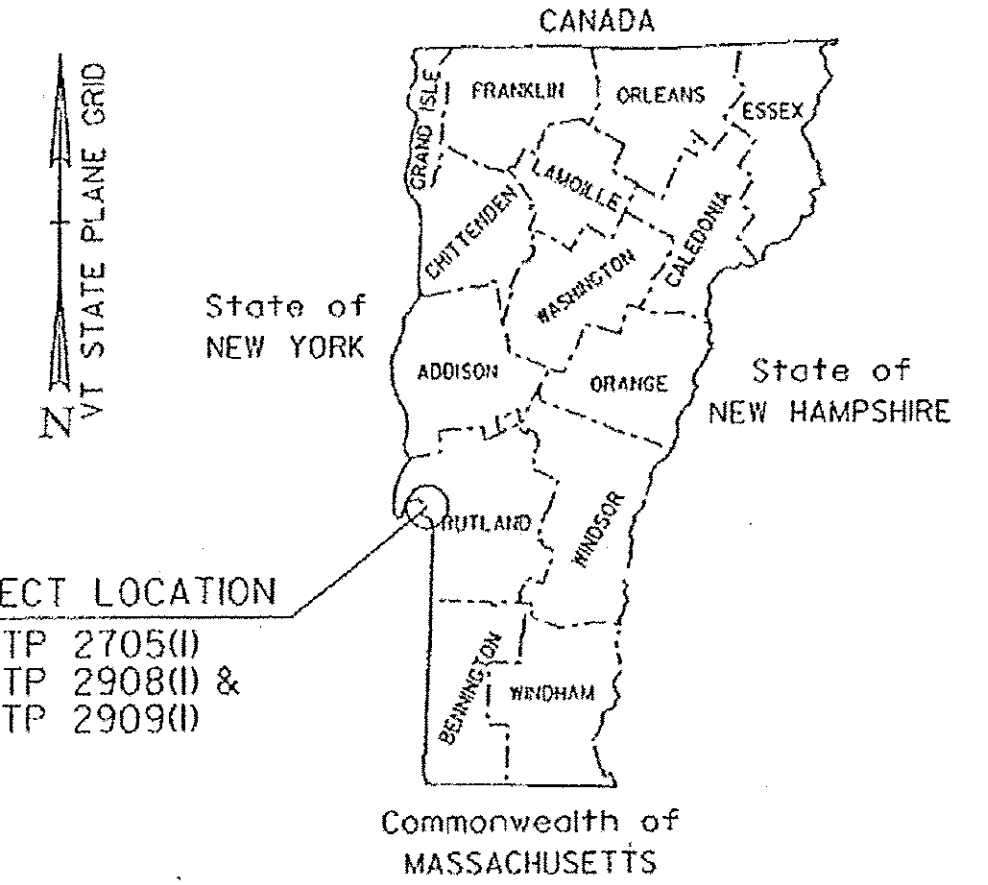


INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT AGENCY OF TRANSPORTATION



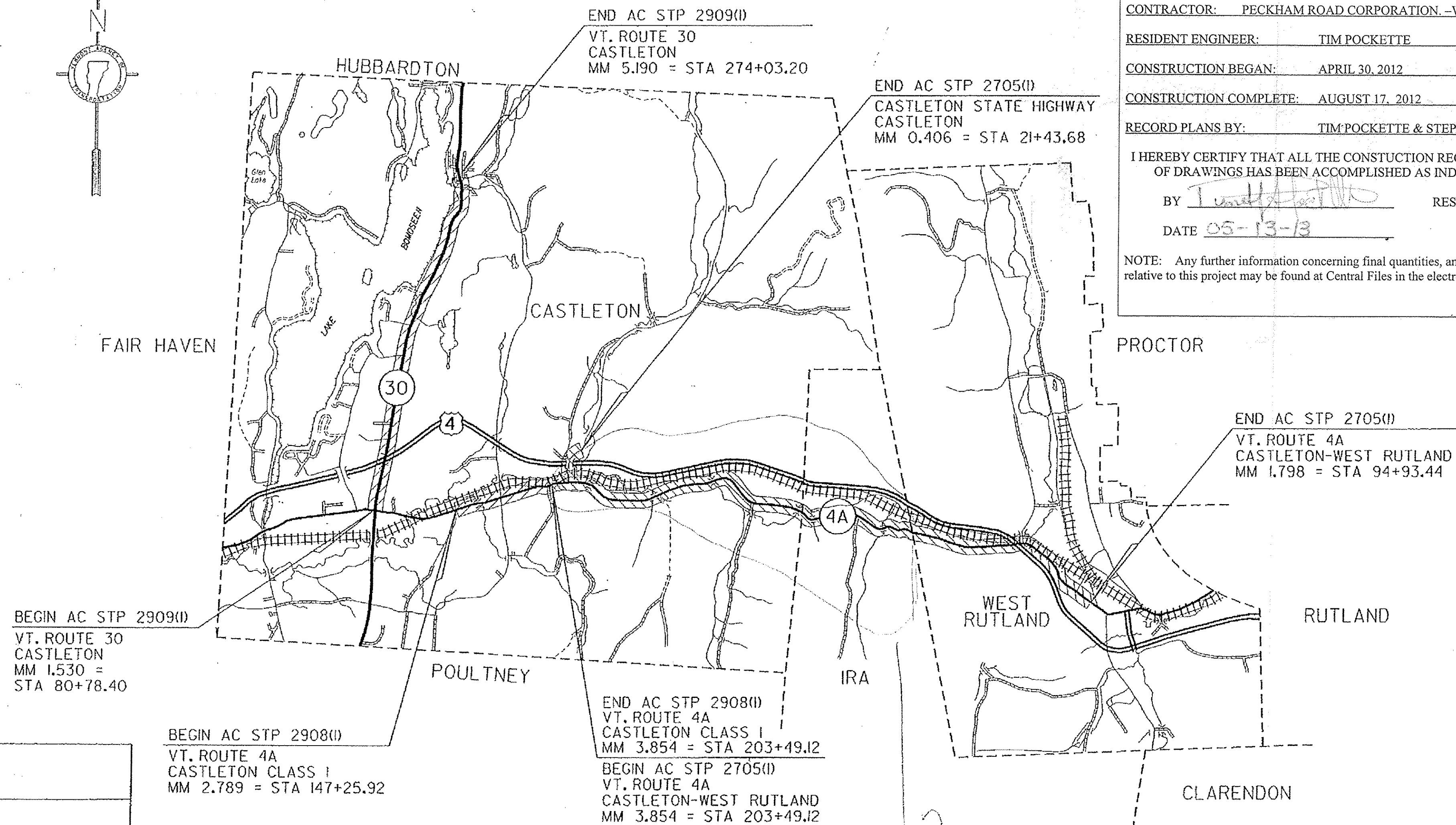
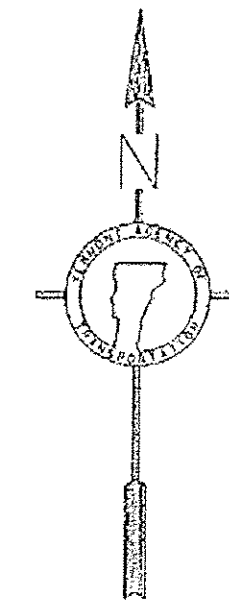
PROPOSED IMPROVEMENT TOWNS OF CASTLETON, IRA, & WEST RUTLAND COUNTY OF RUTLAND VT. ROUTE 4A & VT. ROUTE 30



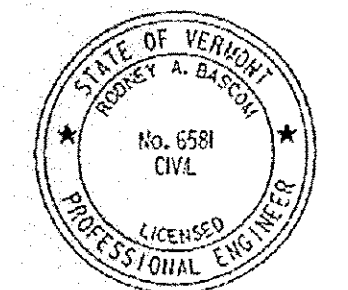
CASTLETON-WEST RUTLAND
AC STP 2705(I)
SEE SHEET 12
FOR ADDITIONAL PROJECT INFORMATION
AND THE SUPERPAVE DESIGN CRITERIA

CASTLETON CLASS I
AC STP 2908(I)
SEE SHEET 90
FOR ADDITIONAL PROJECT INFORMATION
AND THE SUPERPAVE DESIGN CRITERIA

CASTLETON
AC STP 2909(I)
SEE SHEET 120
FOR ADDITIONAL PROJECT INFORMATION
AND THE SUPERPAVE DESIGN CRITERIA



RECORD PLANS	
CONTRACTOR:	PECKHAM ROAD CORPORATION - WHITE PLAINS, NY
RESIDENT ENGINEER:	TIM POCKETTE
CONSTRUCTION BEGAN:	APRIL 30, 2012
CONSTRUCTION COMPLETE:	AUGUST 17, 2012
RECORD PLANS BY:	TIM POCKETTE & STEPHEN KENT
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:	05-13-13
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.	



PLANS PREPARED BY

[Signature]



QUALITY ASSURANCE PROGRAM: LEVEL 3

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

SURVEYED BY :	NA
SURVEYED DATE :	NA
DATUM	
VERTICAL	NA
HORIZONTAL	NA

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR
APPROVED <i>[Signature]</i> 9-22-11
DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED <i>[Signature]</i> DATE 9/21/11
PROJECT MANAGER : MIKE FOWLER
PROJECT NAME : CASTLETON-WEST RUTLAND & CASTLETON
PROJECT NUMBER : AC STP 2705 (I), AC STP 2908 (I) & AC STP 2909 (I)
SHEET 1 OF 152 SHEETS

FILE NAME : V:\P\Projects\11\11_V2\22234\0ADD_MSTN\070168_Contract_Plan.dgn
DATE : 5/16/2011
USER : TPO

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89	AARDOT 248-907C GRADE CROSSING SIGNAL SHEET

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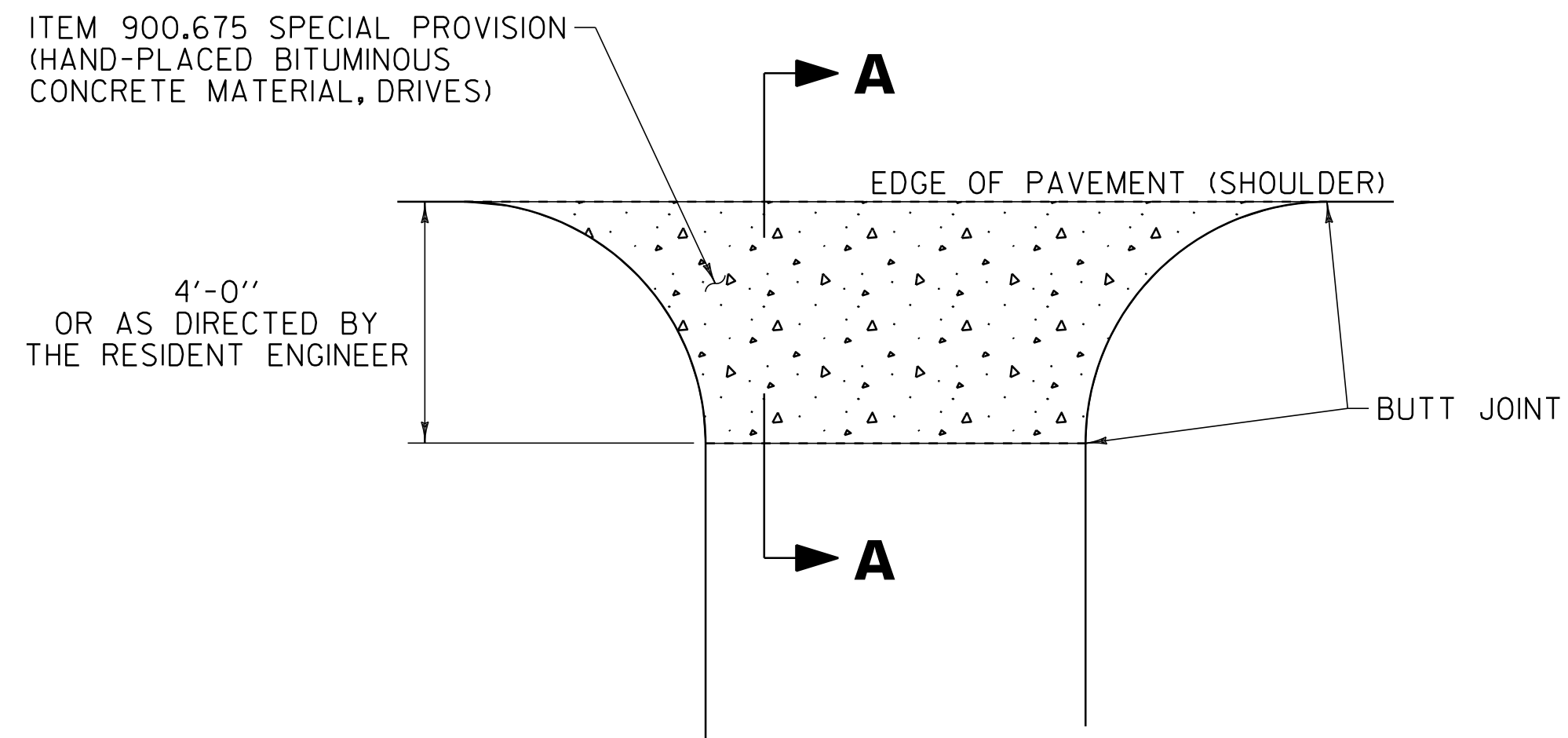
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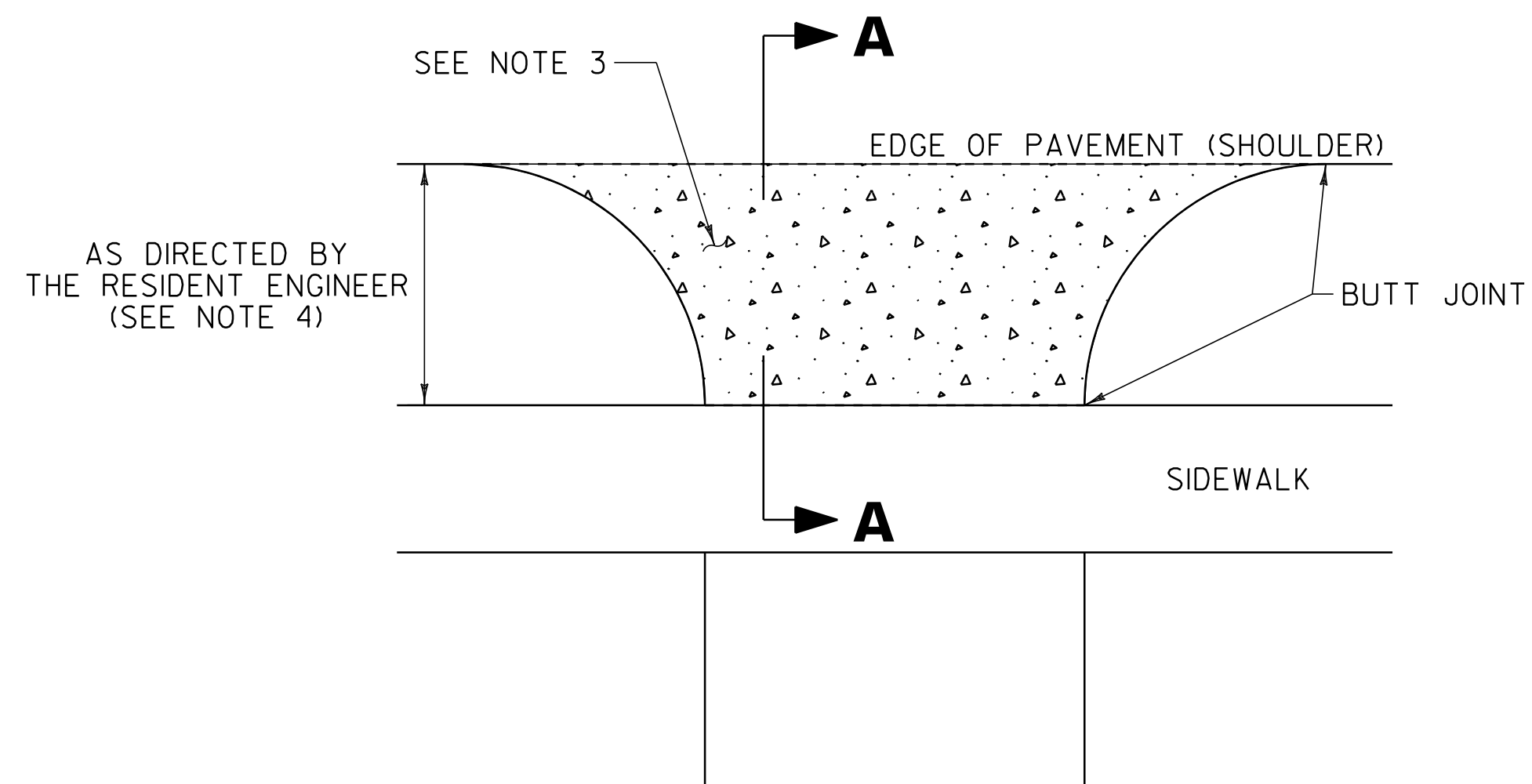
120	TITLE SHEET
121	PROJECT TYPICAL SHEET
122	PAVING DETAILS SHEET
123	DRIVEWAY HANDWORK TABLES SHEET
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D-6	06-01-94
D-15	06-01-94
E-100	01-02-04
E-100A	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	06-08-09
E-108A	06-08-09
E-110	08-08-95
E-111	03-11-97
E-121	08-08-95
E-123	03-16-04
E-127	08-08-95
E-128A	08-08-95
E-134	08-08-95
E-136B	08-08-95
E-138	05-30-03
E-141	09-20-95
E-145A	12-23-94
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E-164	06-08-09
E-190	06-30-03
E-191	02-01-99
E-192	10-12-00
E-193	08-18-95
G-1	01-03-00
G-ID	01-03-00
G-16	06-01-94
RR-1	06-01-94
SB-R6-82	01-06-95

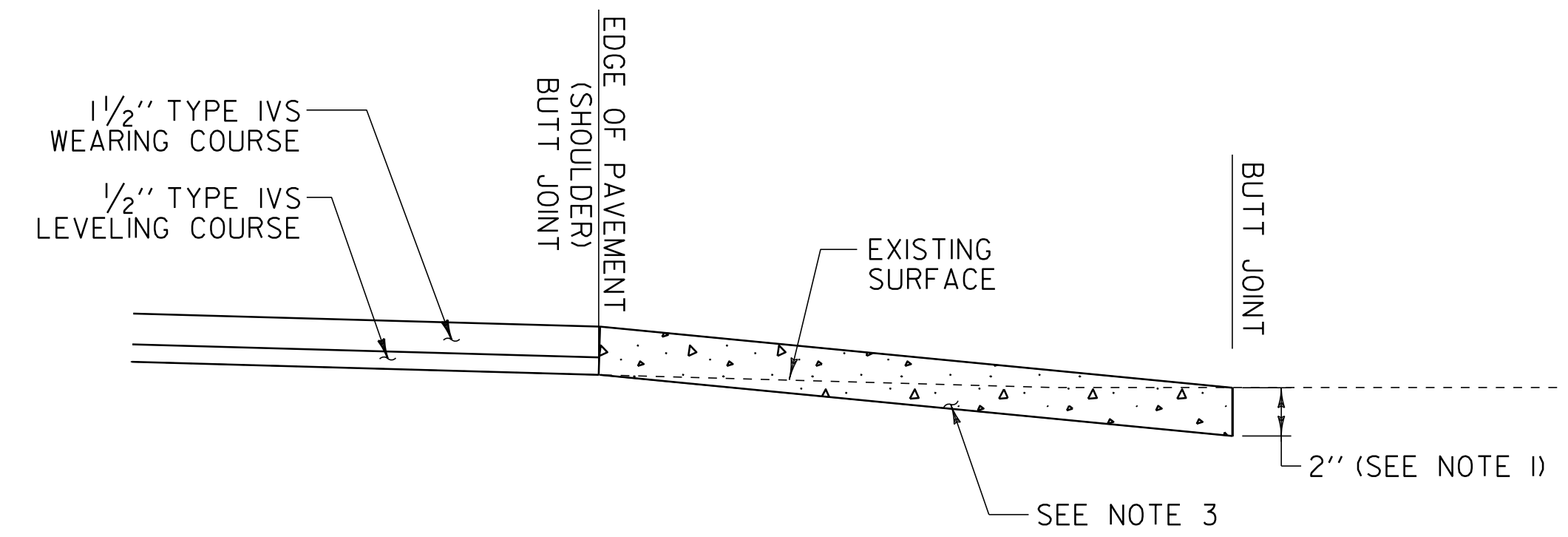
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	PROJECT NUMBER: STP 2705(I), STP 2908(I) & STP 2909(I)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:15
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68cind.i	SHEET 2 OF 152	



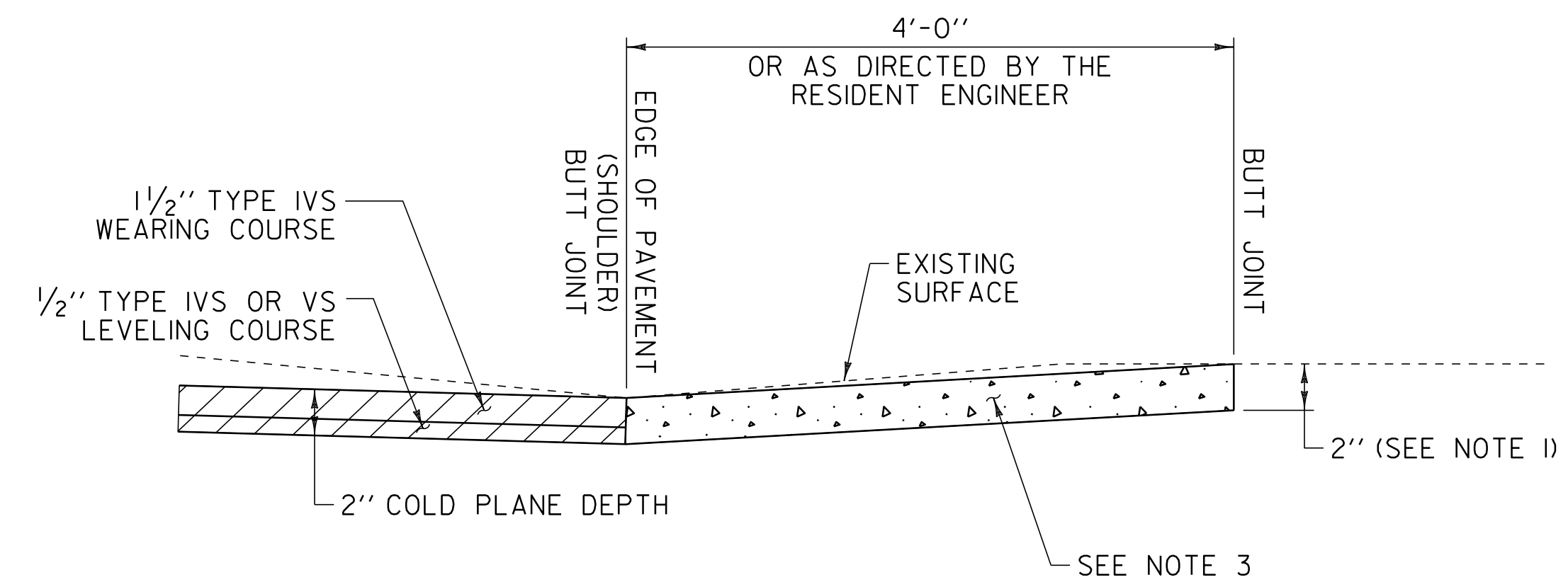
**PLAN
DRIVEWAYS IN
COLD PLANE AREAS**



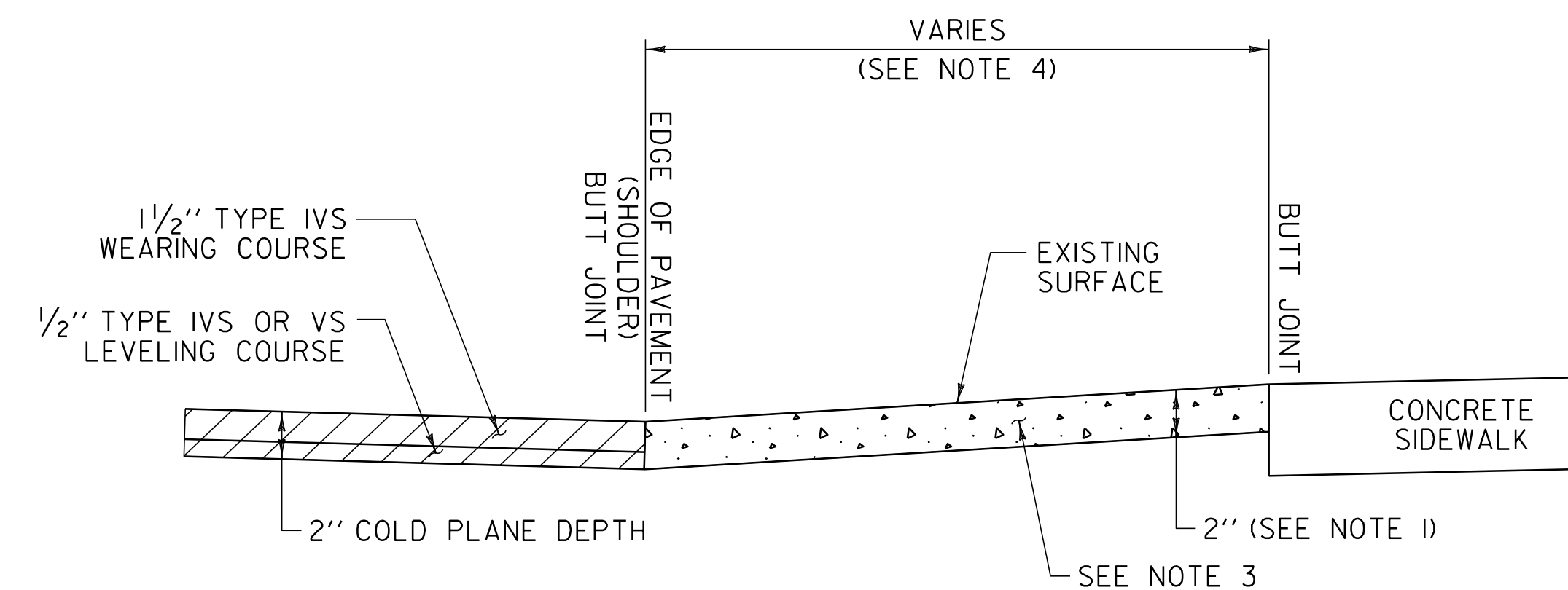
**PLAN
DRIVEWAY WITH SIDEWALK
IN COLD PLANE AREAS**



**SECTION A-A
OVERLAY AREAS**



**SECTION A-A
DRIVEWAYS IN
COLD PLANE AREAS**



**SECTION A-A
DRIVEWAY WITH SIDEWALK
IN COLD PLANE AREAS**

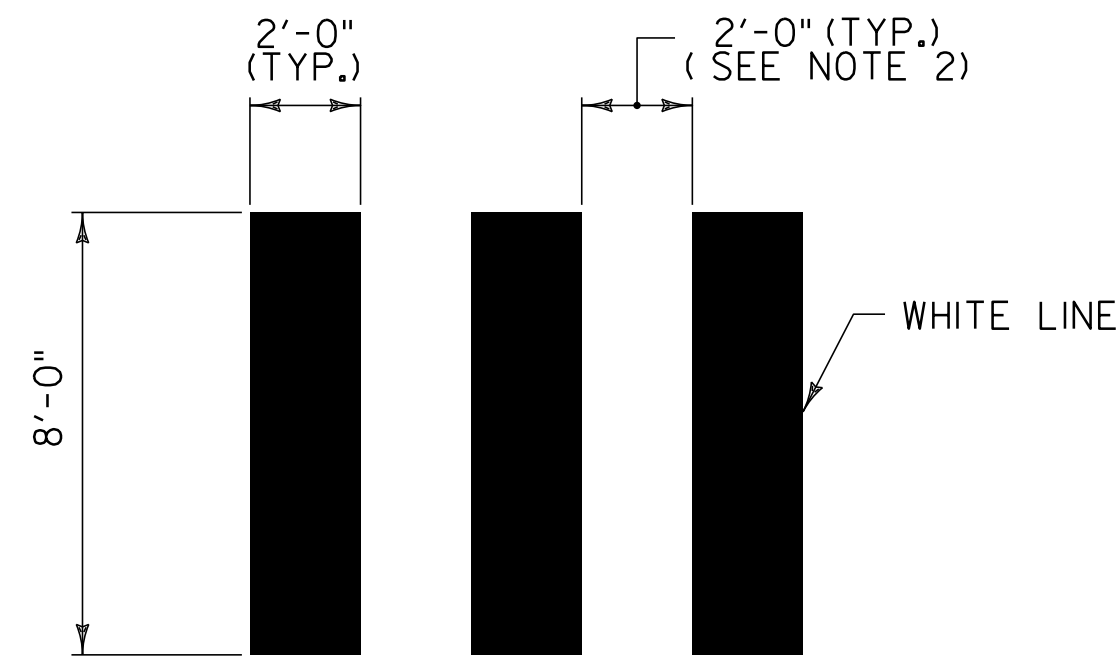
NOTES:

1. PAVING LIFT NOT TO EXCEED 2".
2. THE COST OF PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
3. EXCAVATION OR COLD PLANING NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
4. THE CONTRACTOR SHALL PAVE TO THE EXISTING CONCRETE SIDEWALK AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

**COMPOSITE
DRIVEWAY
HANDWORK
DETAILS
SHEET**

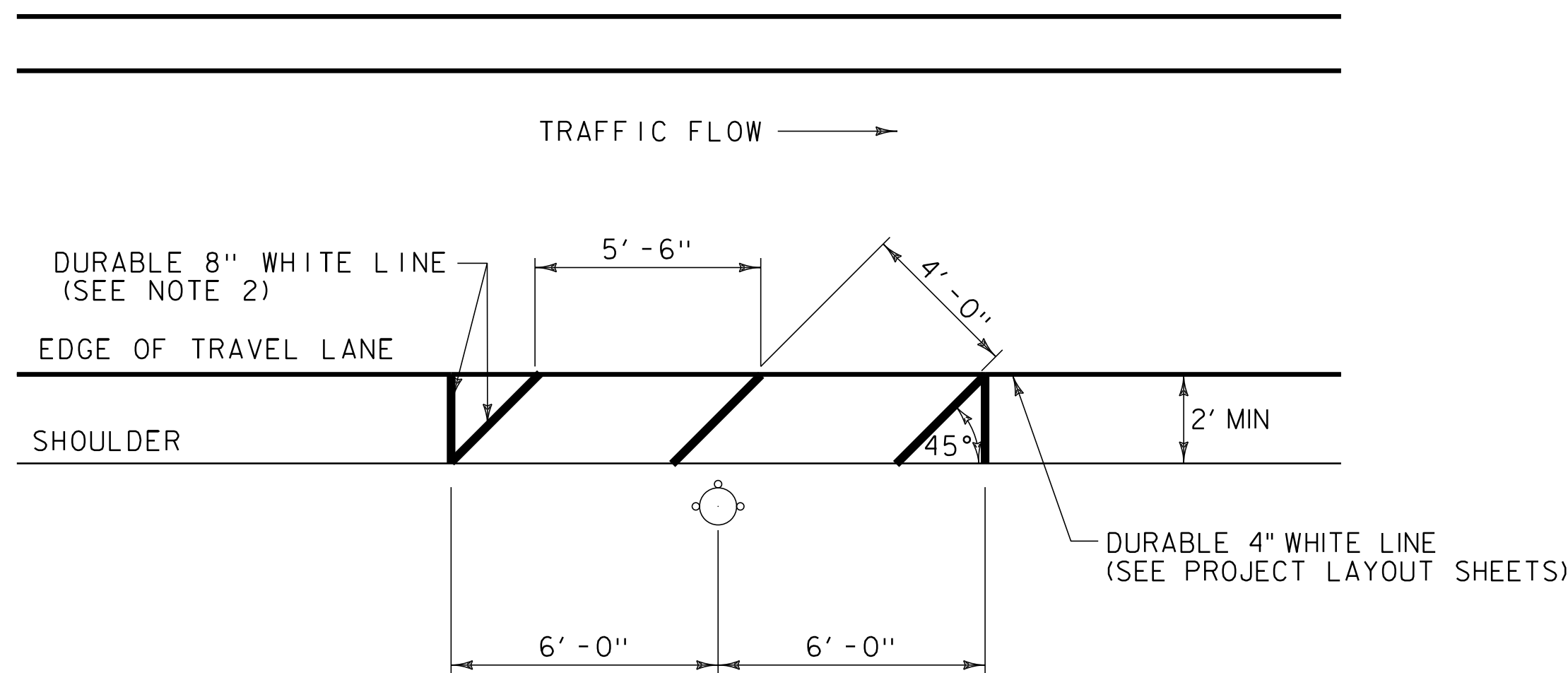
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PROJECT NUMBER:	STP 2705(I), STP 2908(I) & STP 2909(I)		
FILE NAME:	p07cl68.dgn	PLOT DATE:	04-JUN-2013 09:2
PROJECT LEADER:	D.E.G.	DRAWN BY:	W.G.P.
DESIGNED BY:	M.J.M.	CHECKED BY:	D.E.G.
IPARM FILE:	p07cl68cdh.i	SHEET	7 OF 152



DETAIL OF CROSSWALK MARKINGS

NOTES:

1. THE PER FOOT COST OF INSTALLED CROSSWALK SHALL BE PAID AS ITEM 646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC, ITEM 646.503 DURABLE CROSSWALK MARKING, EPOXY PAINT OR ITEM 646.702 TEMPORARY CROSSWALK MARKING, PAINT
2. ADJUST SPACING (12" - 24") TO AVOID WHEEL PATHS.

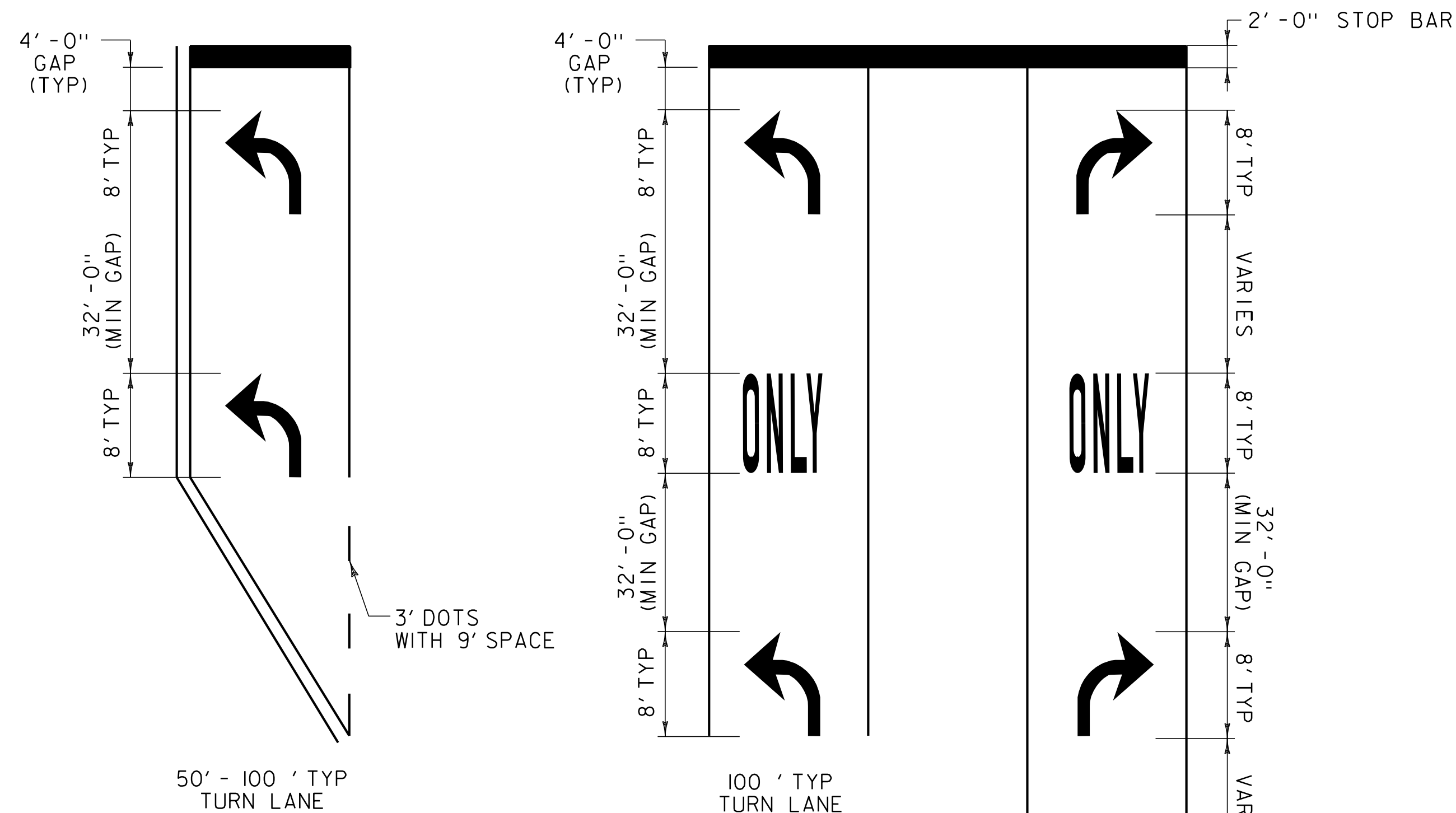


FIRE HYDRANT PAVEMENT MARKING DETAIL

STP 2908(I):	STP 2909(I):
VT. ROUTE 4A CASTLETON:	VT. ROUTE 30 CASTLETON:
STA 150+58.0 LT	STA 84+63.0 RT
STA 156+17.0 LT	STA 93+59.0 RT
STA 161+06.0 LT	STA 99+50.0 RT
STA 165+34.0 LT	STA 119+82.0 RT
STA 166+19.0 RT	STA 125+46.0 RT
STA 168+85.0 LT	STA 130+49.0 RT
STA 171+84.0 RT	STA 138+91.0 RT
STA 176+50.0 RT	STA 144+25.0 RT
STA 180+18.0 RT	STA 147+65.0 RT
STA 185+94.0 RT	
STA 193+58.0 LT	

NOTES:

1. THE CONTRACTOR SHALL ADJUST THE PLACEMENT OF THE EDGE HYDRANT PAVEMENT MARKINGS TO MEET THE EXISTING SITE CONSTRAINTS AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE PER FOOT COST OF INSTALLED FIRE HYDRANT PAVEMENT MARKINGS SHALL BE PAID AS ITEM 646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC, ITEM 646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR ITEM 646.444 DURABLE 8 INCH WHITE LINE, POLYUREA.



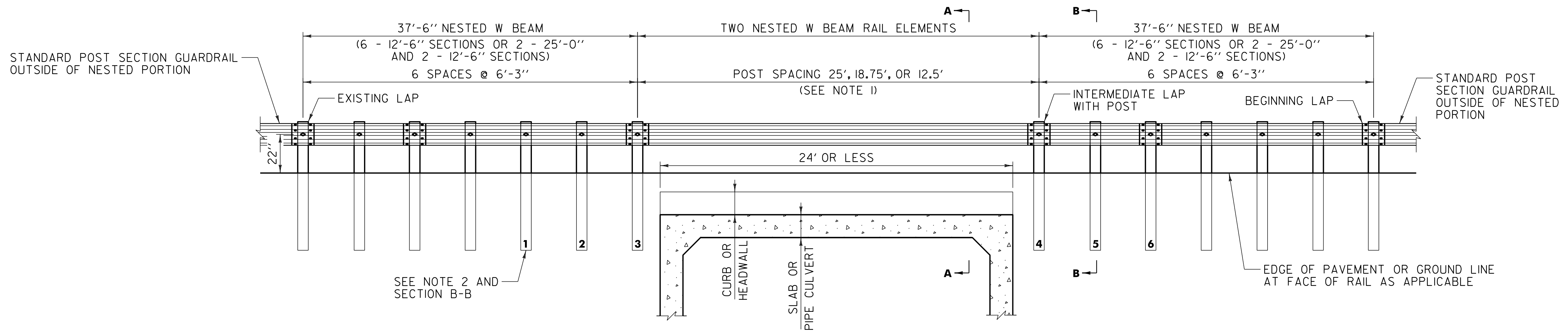
TYPICAL MARKINGS FOR TURN LANES

NOTES:

1. TURN ARROWS SHALL BE PLACED AT THE BEGIN AND END OF THE LEFT OR RIGHT TURN LANE.
2. IF LANE LENGTH IS LESS THAN 100', TURN ARROWS SHOULD BE PLACED AT THE BEGINNING AND END OF THE LEFT OR RIGHT TURN LANE.
3. THE "ONLY" WORD MARKINGS SHALL BE USED TO SUPPLEMENT LANE-USE ARROW MARKINGS FOR TURN LANES 100' OR LONGER.
4. THE LONGITUDINAL SPACE BETWEEN WORD OR SYMBOL MESSAGE MARKINGS, SHOULD BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTERS FOR LOW SPEED ROADS, BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTERS UNDER ANY CONDITIONS.
5. STOP BARS ARE INSTALLED ONLY WHERE A STOP SIGN OR TRAFFIC SIGNAL ARE LOCATED.
6. MORE ARROWS AND ONLYS ARE OPTIONAL WHEN SPACE PERMITS. ARROW MARKINGS START AT THE BEGINNING OF THE SOLID LANE LINE.
7. EXCLUSIVE TURN LANES (LEFT OR RIGHT) LANE LINES SHALL BE SOLID AND EXTEND BACK FROM THE STOP LINE TO THE POINT OF FULL LANE WIDTH OF THE TURN LANE. 3' DOTS WITH A 9' SPACE SHOULD BE EXTENDED THE FULL LENGTH OF THE LANE TAPER.

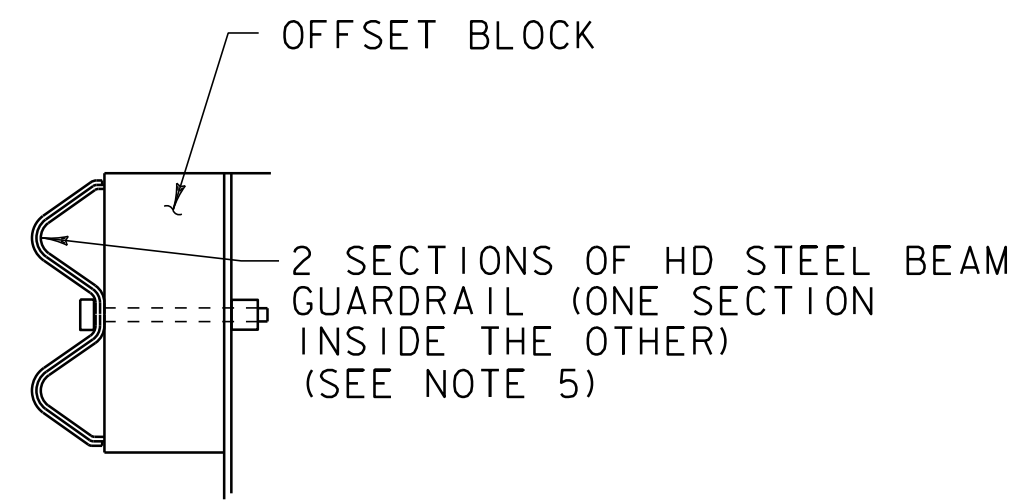
NOT TO SCALE

COMPOSITE MISCELLANEOUS DETAILS SHEET #1	PROJECT NAME: CASTLETON - WEST RUTLAND & CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(I), STP 2908(I) & STP 2909(I)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68cmdl.i	SHEET 8 OF 152

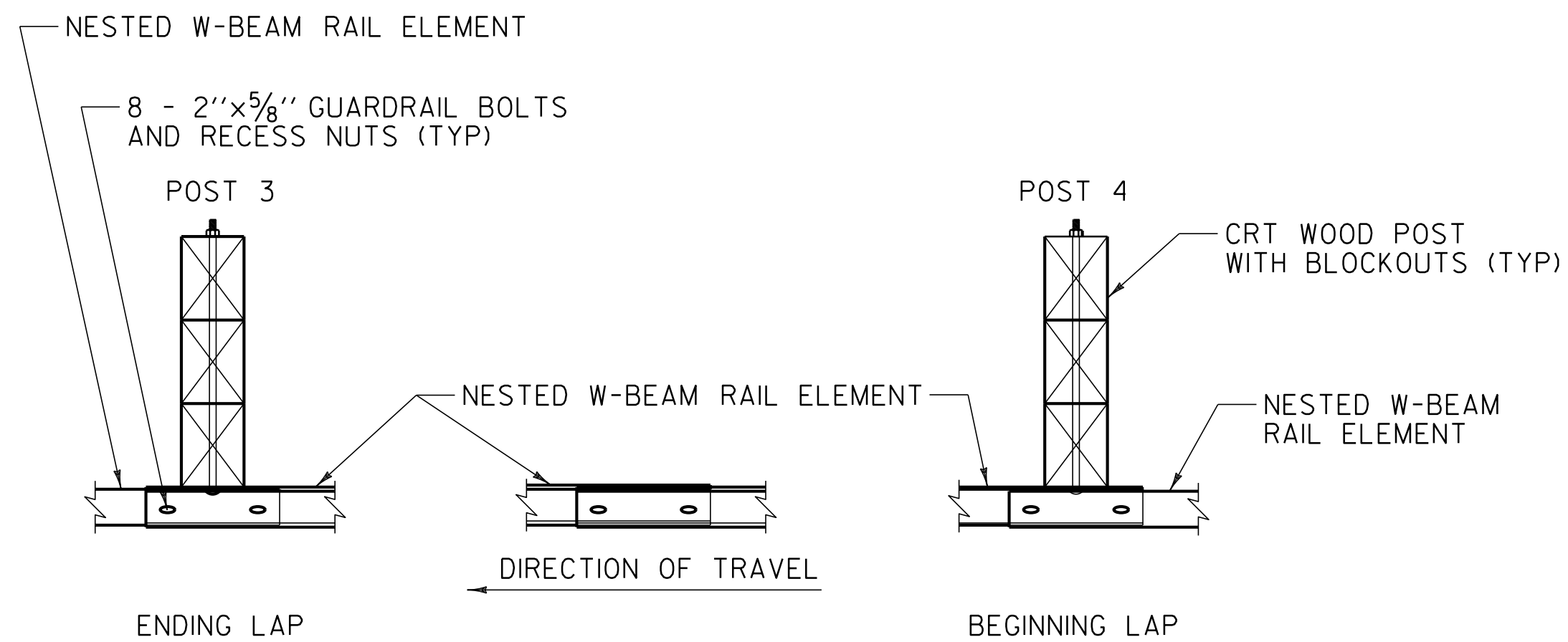


**STEEL BEAM GUARDRAIL AT LARGE CULVERT DETAIL
ELEVATION**

STP 2705(I):
 VT. ROUTE 4A CASTLETON STA 263+72.3 TO STA 264+59.8 RT (87.5 LF)
 VT. ROUTE 4A CASTLETON STA 263+72.3 TO STA 264+59.8 LT (87.5 LF)
 VT. ROUTE 4A IRA STA 50+20.3 TO STA 51+07.8 RT (87.5 LF)
 VT. ROUTE 4A IRA STA 50+20.3 TO STA 51+07.8 LT (87.5 LF)
 VT. ROUTE 4A WEST RUTLAND STA 66+08.8 TO STA 66+93.3 RT (84.5 LF)

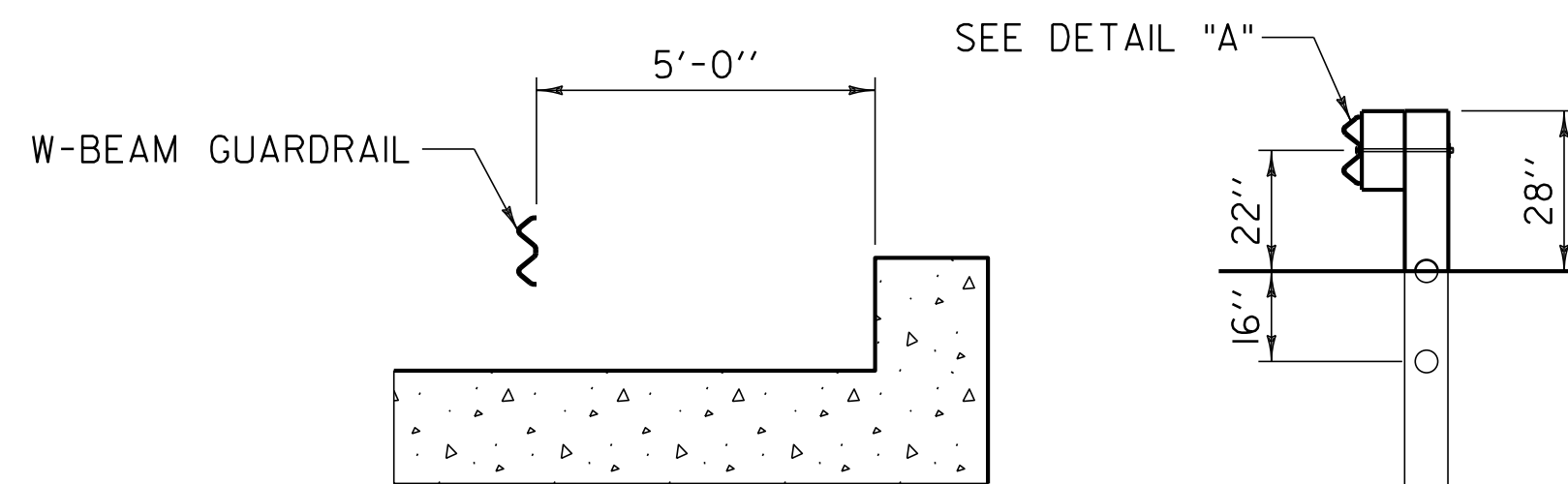


DETAIL A



**INTERMEDIATE LAP
WITHOUT POST**

DOUBLE-NESTED STEEL BEAM GUARDRAIL SYSTEM



**SECTION A-A
(SEE NOTE 3)**

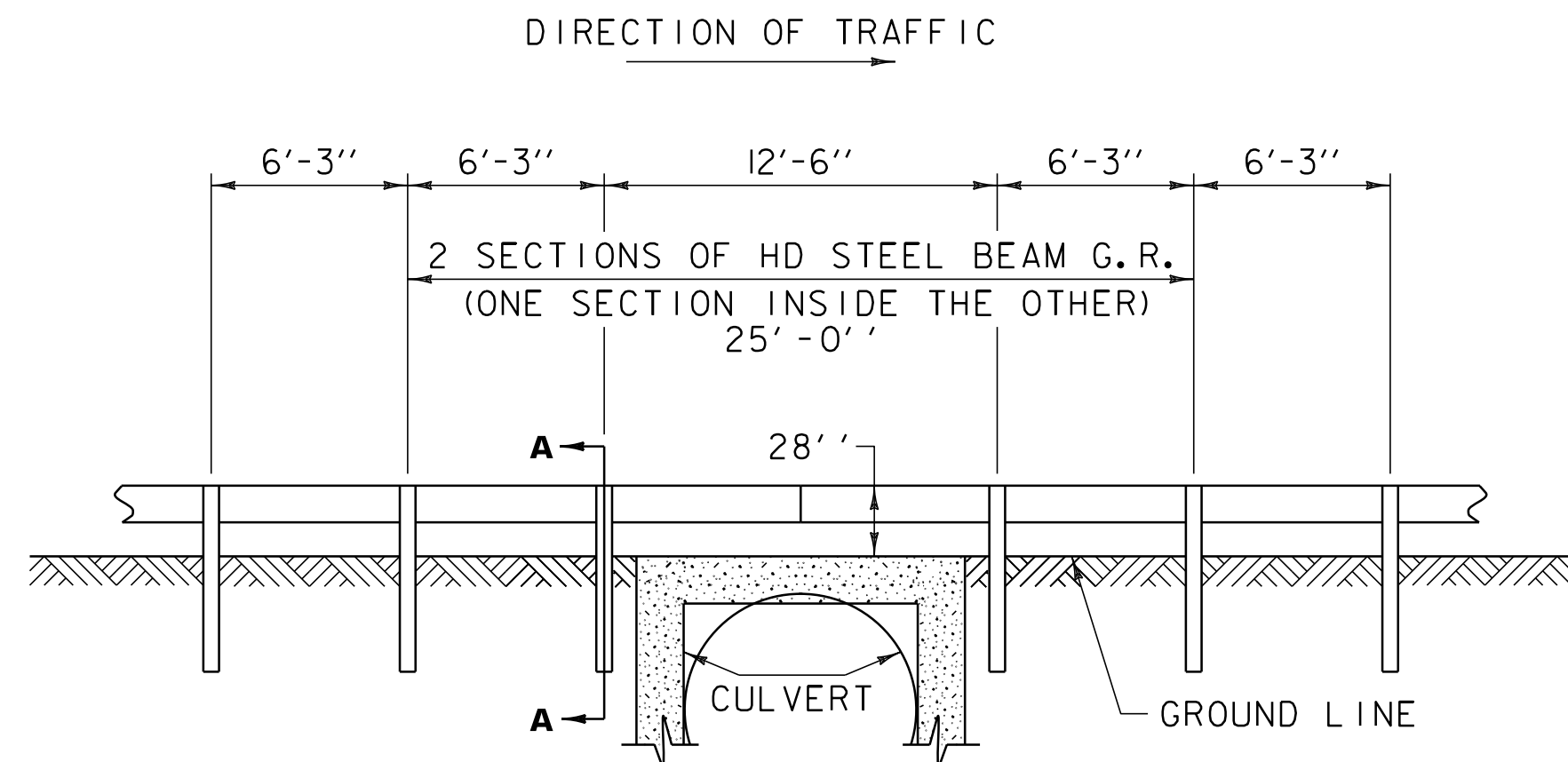
**SECTION B-B
(SEE NOTE 2)**

NOTES:

- 25'-0" RAIL LENGTHS MAY BE USED TO ELIMINATE THE INTERMEDIATE LAP WITHOUT A POST. DO NOT PLACE A LAP WITHOUT A POST UNLESS NEEDED DUE TO LENGTH OF GAP.
- POSTS 1 THRU 6 ARE CRT POSTS WITH TWO BLOCKOUTS. SEE SECTION B-B FOR DETAILS.
- INSTALL THE BACK FACE OF THE NESTED GUARDRAIL A MINIMUM OF 5'-0" FROM THE FACE OF THE CURB-LIKE HEADWALL.
- SEE STANDARD G-IFOR STEEL BEAM GUARDRAIL DETAILS.
- THIS WORK SHALL BE PAID UNDER ITEM 621.216 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED OR ITEM 621.217 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS AT A PAY FACTOR OF 1.0 AS DIRECTED BY THE RESIDENT ENGINEER.
- THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET AT THE STATIONS INDICATED ABOVE OR AS DIRECTED BY THE RESIDENT ENGINEER.

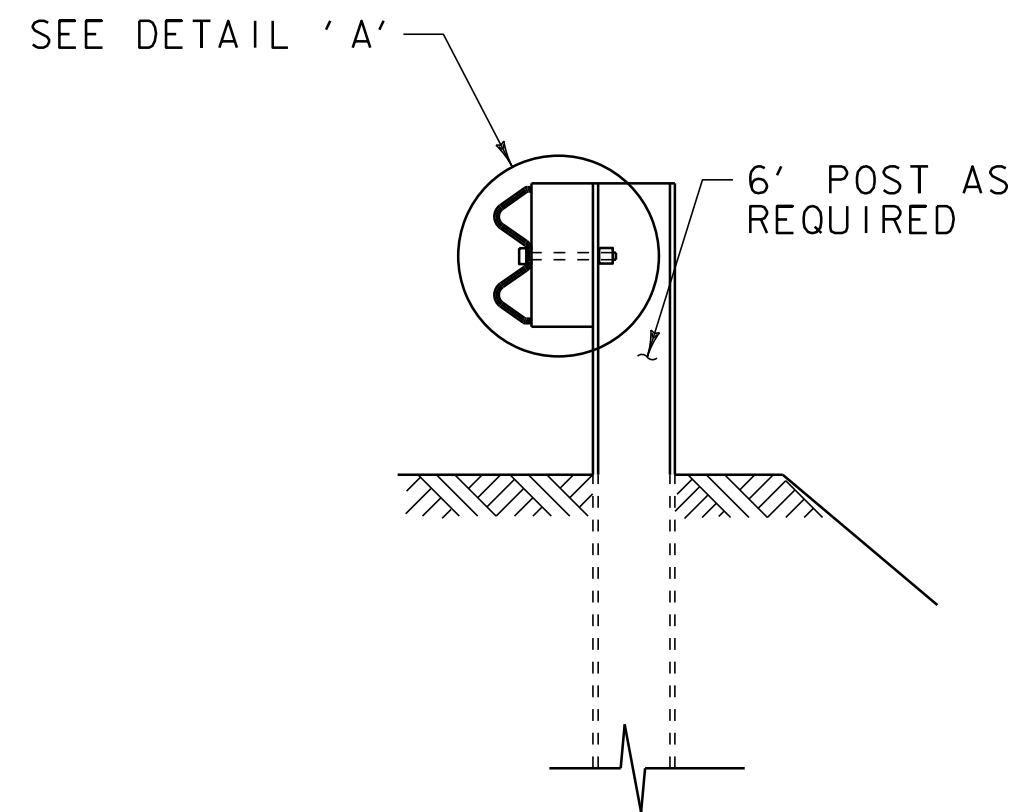
NOT TO SCALE

COMPOSITE MISCELLANEOUS DETAILS SHEET #2	PROJECT NAME: CASTLETON - WEST RUTLAND & CASTLETON	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(I), STP 2908(I) & STP 2909(I)	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
	IPARM FILE: p07cl68cmd2.i		SHEET 9 OF 152

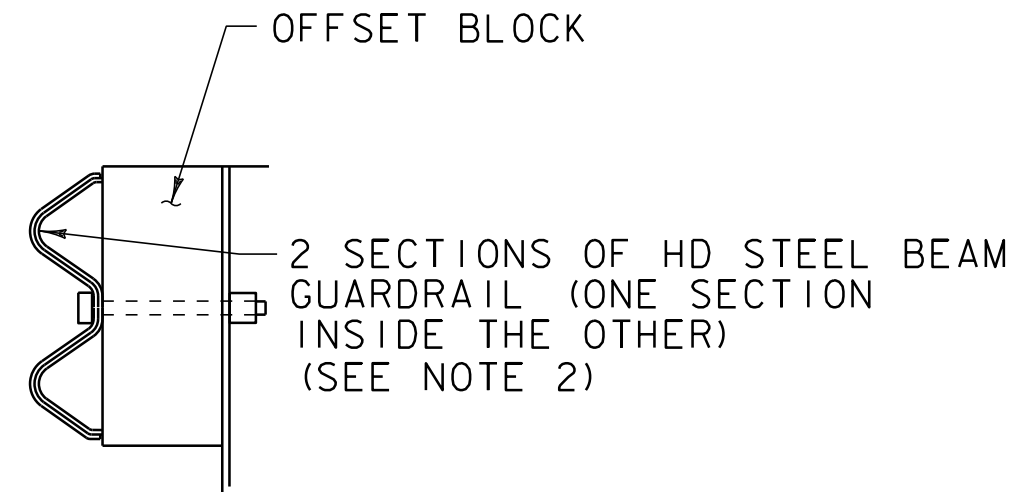


STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL

STP 2705(I):
 VT. ROUTE 4A CASTLETON STA 269+84.0 TO STA 270+09.0 RT (25' LF)
 VT. ROUTE 4A CASTLETON STA 269+84.0 TO STA 270+09.0 LT (25' LF)
 VT. ROUTE 4A WEST RUTLAND STA 66+40.0 TO STA 66+65.0 LT (25' LF)



SECTION A-A

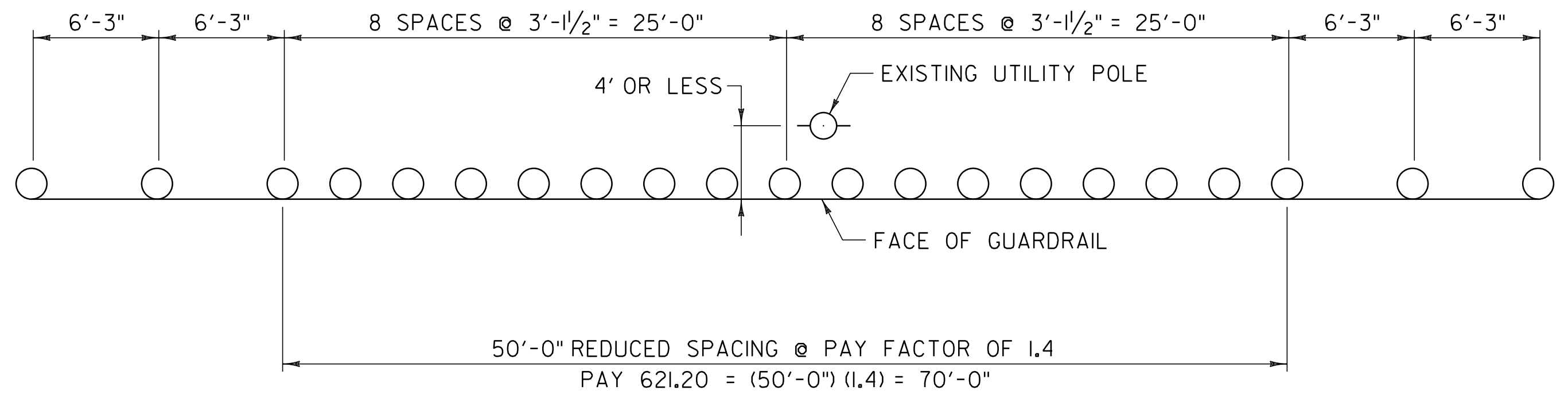


DETAIL A

DOUBLE-NESTED STEEL BEAM GUARDRAIL SYSTEM

NOTES

1. SEE STANDARD G-IFOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.216 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.



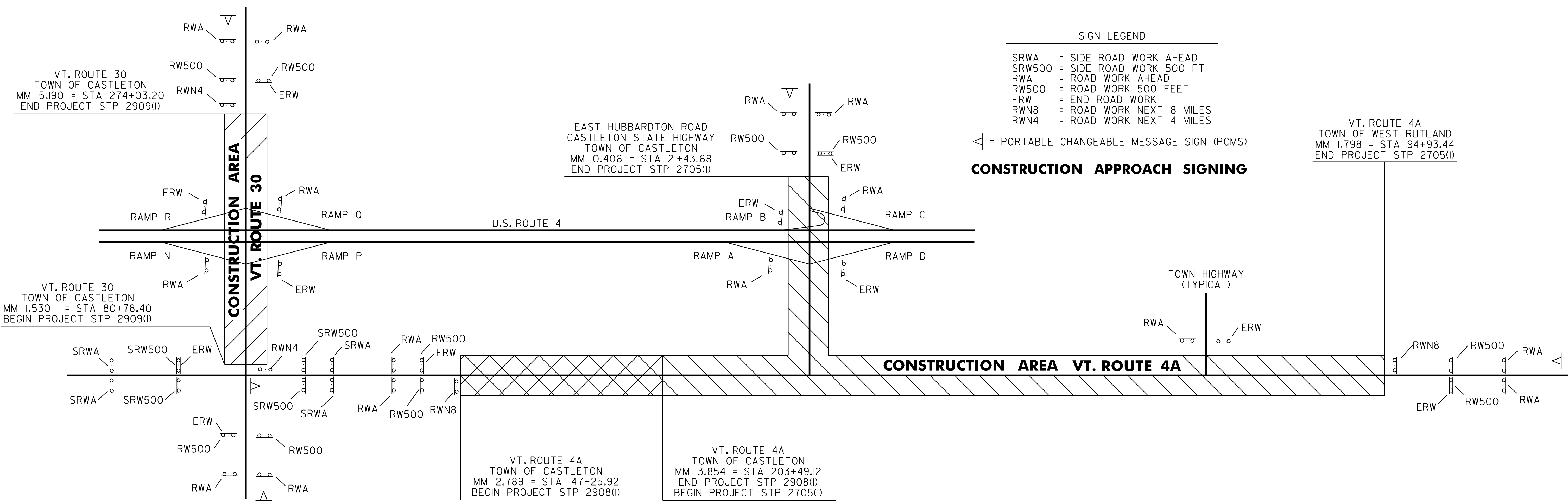
REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL

STP 2705(I):
 VT. ROUTE 4A IRA STA 47+54.0 LT

STP 2909(I):
 VT. ROUTE 30 CASTLETON STA 259+16.0 LT
 VT. ROUTE 30 CASTLETON STA 260+00.0 LT
 VT. ROUTE 30 CASTLETON STA 262+05.0 LT
 VT. ROUTE 30 CASTLETON STA 262+18.0 LT
 VT. ROUTE 30 CASTLETON STA 263+19.0 LT
 VT. ROUTE 30 CASTLETON STA 265+03.0 LT
 VT. ROUTE 30 CASTLETON STA 270+80.0 LT

NOT TO SCALE

COMPOSITE MISCELLANEOUS DETAILS SHEET #3	PROJECT NAME: CASTLETON - WEST RUTLAND & CASTLETON
	PROJECT NUMBER: STP 2705(I), STP 2908(I) & STP 2909(I)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68cmd3.i
	SHEET 10 OF 152



- SIGN LEGEND**
- SRWA = SIDE ROAD WORK AHEAD
 - SRW500 = SIDE ROAD WORK 500 FT
 - RWA = ROAD WORK AHEAD
 - RW500 = ROAD WORK 500 FEET
 - ERW = END ROAD WORK
 - RWN8 = ROAD WORK NEXT 8 MILES
 - RWN4 = ROAD WORK NEXT 4 MILES
- ◁ = PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

CONSTRUCTION APPROACH SIGNING

- STP 2705(i) CASTLETON - WEST RUTLAND
- STP 2908(i) CASTLETON
- STP 2909(i) CASTLETON

CONSTRUCTION AREA

NOTES:

1. SEE VAOT STD. E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
2. TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
4. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.
5. PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
6. PAYMENT FOR ALL CONSTRUCTION, FLAGGER AND LANE CLOSURE SIGNING AND CONES WILL BE MADE UNDER ITEM 641.0 TRAFFIC CONTROL (STP 2705(i)), ITEM 641.0 TRAFFIC CONTROL (STP 2908(i)) AND ITEM 641.0 TRAFFIC CONTROL (STP 2909(i)).
7. CONES SHALL BE USED FOR DELINEATING THE TRAVEL SPACE ALONG THE TANGENT FOR THE ENTIRE LENGTH OF ANY LANE CLOSURE.
8. FLAGGER STATIONS SHALL BE A MAXIMUM OF 1500 FEET FROM THE FLAGGER AHEAD SIGN. WHEN FLAGGER STATIONS ARE MOVED BEYOND THIS DISTANCE, THE FLAGGER AHEAD SIGN SHALL BE MOVED ACCORDINGLY.
9. FLAGGER AHEAD SIGNS SHALL BE TURNED OR REMOVED WHEN FLAGGING OPERATIONS CEASE FOR MORE THAN 15 MINUTES.
10. TEMPORARY PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OF THE CURB RAMPS IN CONFORMANCE WITH THE CURRENT MUTCD AND ADA ACCESSIBILITY GUIDELINES. THE CONTRACTOR SHALL PREPARE A PLAN THAT ADDRESSES INTENDED METHODS OF MAINTAINING TEMPORARY PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION SITE AND SUBMIT IT TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO BEGINNING THIS WORK.

NOT TO SCALE

STP 2909(i) CASTLETON							
HIGHWAY NAME	RWA	ERW	RW500	RWN4	SRW500	SRWA	OTHER
VT. ROUTE 30 - BEGIN PROJECT	2	1	2	1			I-PCMS
VT. ROUTE 4A		2			4	4	
CASTLETON MEADOWS LN (TH-71)	1	1					
PRESTON LANE (TH-85)	1	1					
U.S. ROUTE 4 RAMP P		1					
U.S. ROUTE 4 RAMP N	1						
U.S. ROUTE 4 RAMP Q	1						
U.S. ROUTE 4 RAMP R		1					
ELEMENTARY SCHOOL RD (TH-68)	1	1					
SHELDON ROAD (TH-35)	1	1					
DRAKE ROAD (TH-24)	1	1					
VT. ROUTE 30 - END PROJECT	2	1	2	1			I-PCMS
TOTAL	11	11	4	2	4	4	2-PCMS

STP 2908(i) CASTLETON					
HIGHWAY NAME	RWA	ERW	RW500	RWN8	OTHER
VT. ROUTE 4A - BEGIN PROJECT	2		2	1	I-PCMS
CEMETERY ROAD (TH-5)	1	1			
GLENBROOK ROAD (TH-11)	1	1			
SOUTH STREET (TH-4)	1	1			
NORTH ROAD (TH-5)	1	1			
SEMINARY STREET (TH-10)	1	1			
ELM STREET (TH-9)	1	1			
MECHANIC STREET (TH-6)	1	1			
HILL STREET (TH-7)	1	1			
TOTAL	10	8	2	1	I-PCMS

STP 2705(i) CASTLETON - WEST RUTLAND					
HIGHWAY NAME	RWA	ERW	RW500	RWN8	OTHER
CRAMPTON ROAD (TH-8)	1	1			
PIONTEK ROAD (TH-46)	1	1			
BIRDS EYE ROAD (TH-48)	1	1			
BIRDS EYE ROAD (TH-5)	1	1			
WHIPPLE HOLLOW ROAD (TH-4)	1	1			
VT. ROUTE 4A - END PROJECT	2	1	2	1	I-PCMS
U.S. ROUTE 4 RAMP A	1				
U.S. ROUTE 4 RAMP B		1			
FRISBIE HILL ROAD (TH-31)	1	1			
U.S. ROUTE 4 RAMP C	1				
U.S. ROUTE 4 RAMP D		1			
CASTLETON STATE HIGHWAY	2	1	2		I-PCMS
TOTAL	12	10	4	1	2-PCMS

COMPOSITE TRAFFIC CONTROL PLAN SHEET

PROJECT NAME: CASTLETON - WEST RUTLAND & CASTLETON	PLOT DATE: 04-JUN-2013 09:2
PROJECT NUMBER: STP 2705(i), STP 2908(i) & STP 2909(i)	DRAWN BY: W.G.P.
FILE NAME: p07c168.dgn	CHECKED BY: D.E.G.
PROJECT LEADER: D.E.G.	SHEET 11 OF 152
DESIGNED BY: M.J.M.	
IPARM FILE: p07c168ctc.i	

STATE OF VERMONT AGENCY OF TRANSPORTATION



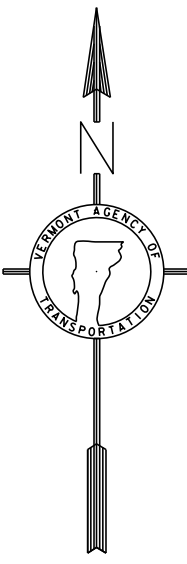
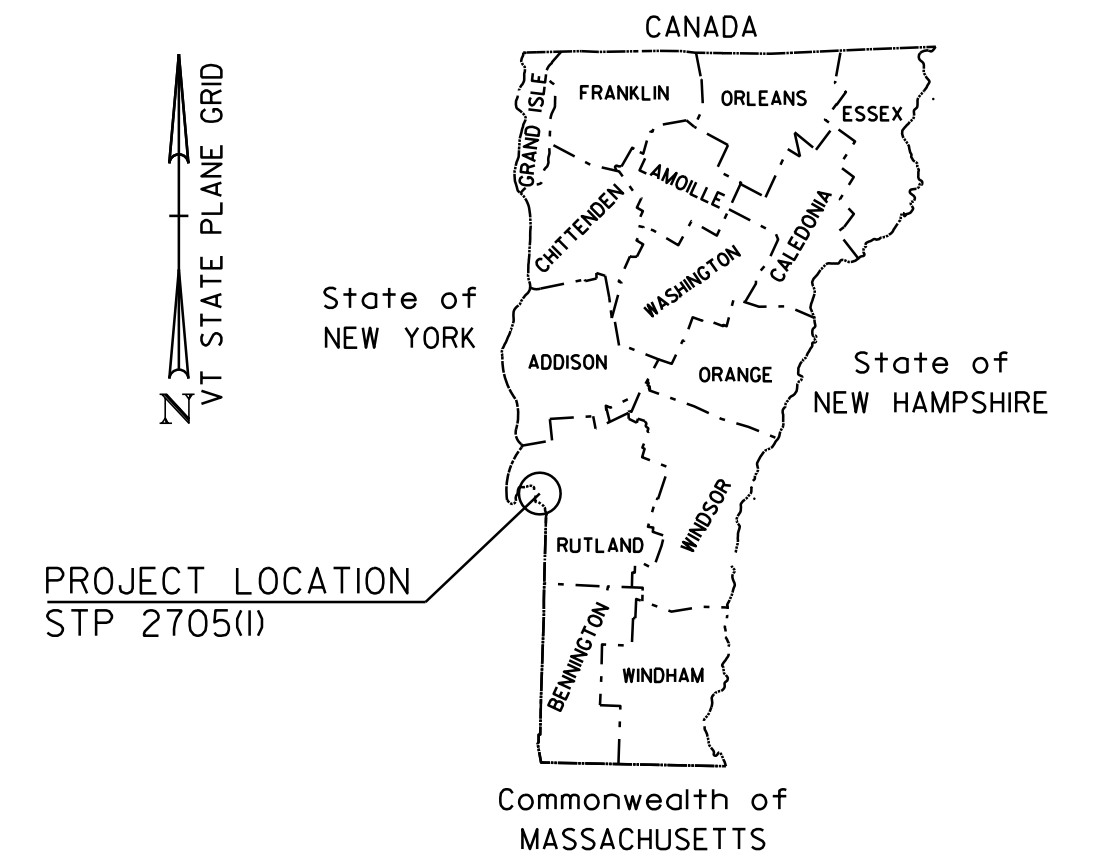
PROPOSED IMPROVEMENT TOWNS OF CASTLETON, IRA, & WEST RUTLAND COUNTY OF RUTLAND VT. ROUTE 4A MAJOR COLLECTOR

BEGINNING IN THE TOWN OF CASTLETON ON VT. ROUTE 4A AT MILE MARKER 3.854 = STA 203+49.12
AND EXTENDING EAST FOR A DISTANCE OF 32,635.68 FEET (6.181 MILES) TO A POINT IN THE TOWN OF
WEST RUTLAND AT MILE MARKER 1.798 = STA 94+93.44. THE PROJECT RESUMES IN THE TOWN OF CASTLETON
ON THE CASTLETON STATE HIGHWAY AT MILE MARKER 0.000 = STA 0+00.00 AND EXTENDING NORTHERLY FOR A
DISTANCE OF 2143.68 FEET (0.406 MILE) TO A POINT IN THE TOWN OF CASTLETON AT MILE MARKER 0.406 = STA 21+43.68.

LENGTH OF ROADWAY 34,779.36 FT (6.587 MILES)
LENGTH OF PROJECT 34,779.36 FT (6.587 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING
OF THE EXISTING HIGHWAY WITH A SHIM/LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS,
DRAINAGE IMPROVEMENTS, GUARDRAIL IMPROVEMENTS, AT-GRADE RAIL CROSSING REHABILITATION, NEW SIGNS AND INCIDENTAL ITEMS.

INDEX OF SHEETS
SEE SHEET 2



CLARENDON & PITTSFORD RAILROAD
AARDOT 248-907C
CASTLETON STATE HIGHWAY
MM 0.067 = STA 3+53.76

END STP 2705(I)
CASTLETON STATE HIGHWAY
MM 0.406 = STA 21+43.68

BEGIN STP 2705(I)
VT. ROUTE 4A
MM 3.854 = STA 203+49.12

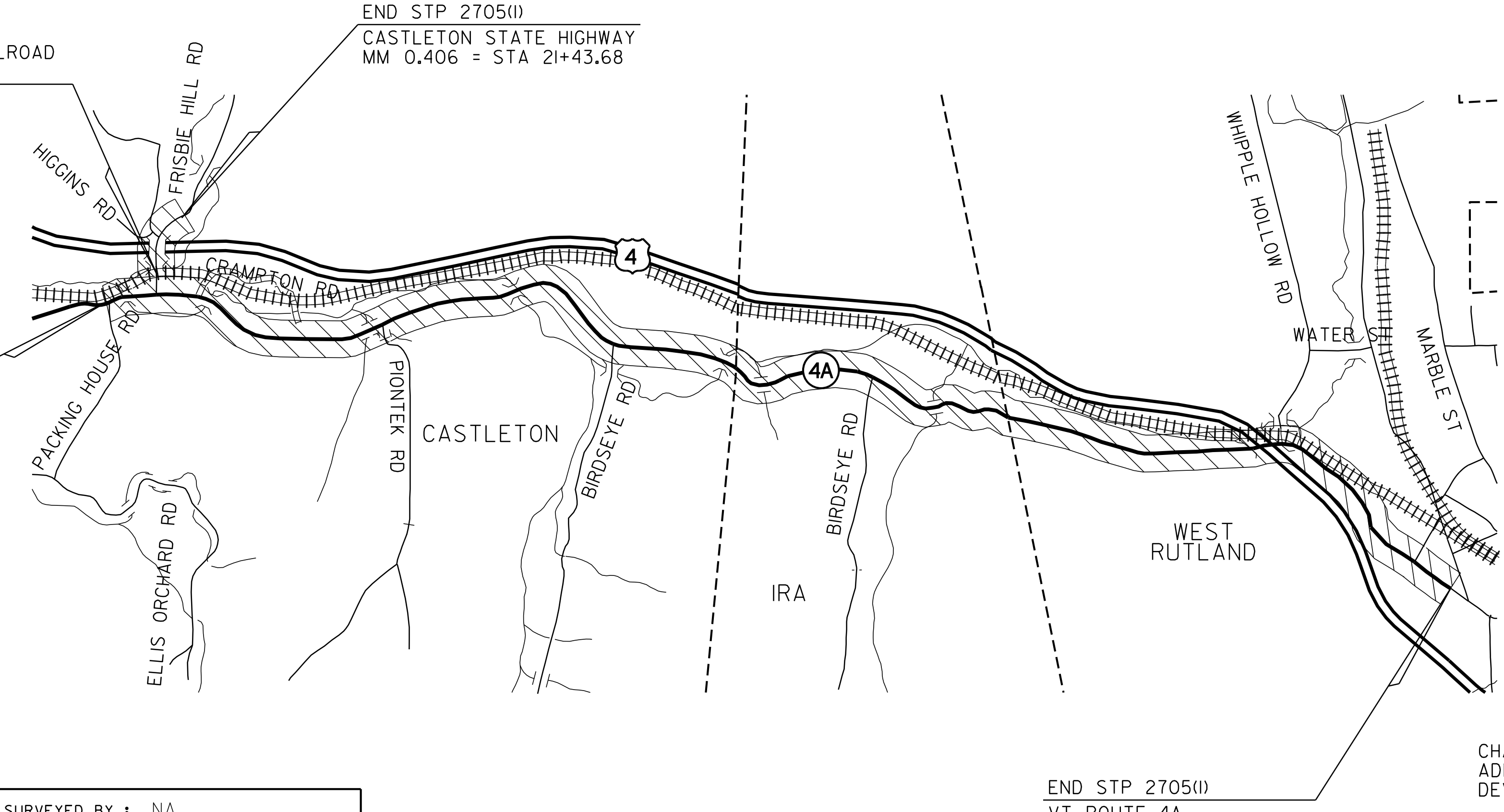
QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE	---
TOWN LINE	- - - - -
LIMITS OF ACCESS	o - o - o - o - o
POINT OF ACCESS	X
FENCE LINE	x - x - x - x - x
STONE WALL	o - o - o - o - o
TRAVELED WAY	--- --- --- --- ---
GUARD RAIL	o - o - o - o - o
RAILROAD	
SURVEY LINE	+
CULVERT	+
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊕
CONTROL OF ACCESS	///
PROPERTY LINE	---
R.O.W. TAKING LINE	SR
SLOPE RIGHTS	SR
TOP OF CUT	△
TOE OF SLOPE	○

SURVEYED BY : NA
SURVEYED DATE : NA

DATUM
VERTICAL NA
HORIZONTAL NA



BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	58-28
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS & SPECIAL PROVISIONS

LOCATION	AADT		DHV		ESALs	ESALs
	2012	2022	2012	2022	2012~2022	2012~2032
BEGIN PROJECT TO CASTLETON STATE HIGHWAY	4100	4300	460	480	492,000	1,131,000
CASTLETON STATE HIGHWAY TO WHIPPLE HOLLOW ROAD	1700	1800	210	230	190,000	429,000
WHIPPLE HOLLOW ROAD TO END PROJECT	2600	2800	290	320	402,000	894,000
BEGIN PROJECT TO US 4 EXIT 5 RAMP A & D	2200	2300	270	280	366,000	918,000
US 4 EXIT 5 RAMP A & D TO US 4 EXIT 5 RAMP B & C	1800	1900	230	240	355,000	894,000
US 4 EXIT 5 RAMP B & C TO END PROJECT	1200	1200	160	160	246,000	599,000

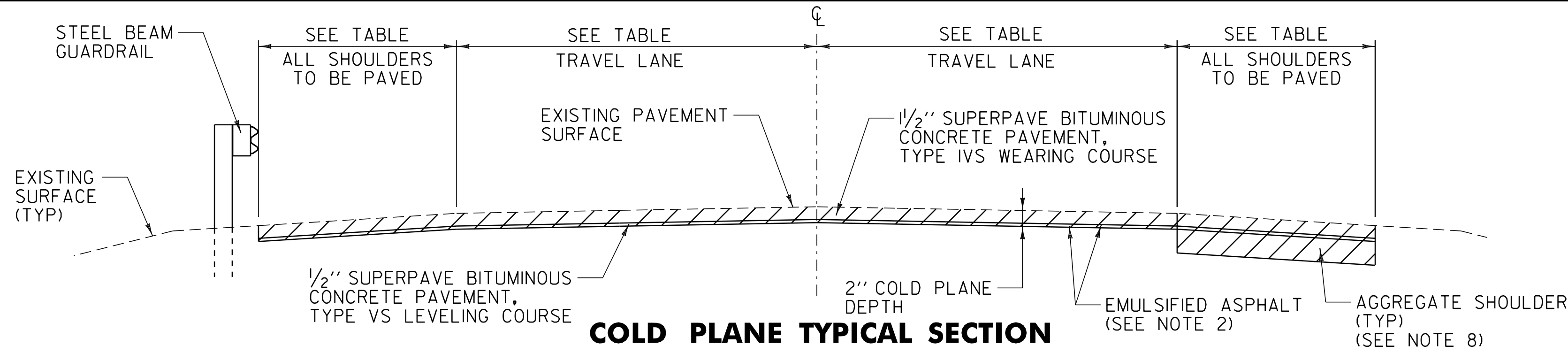
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

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.

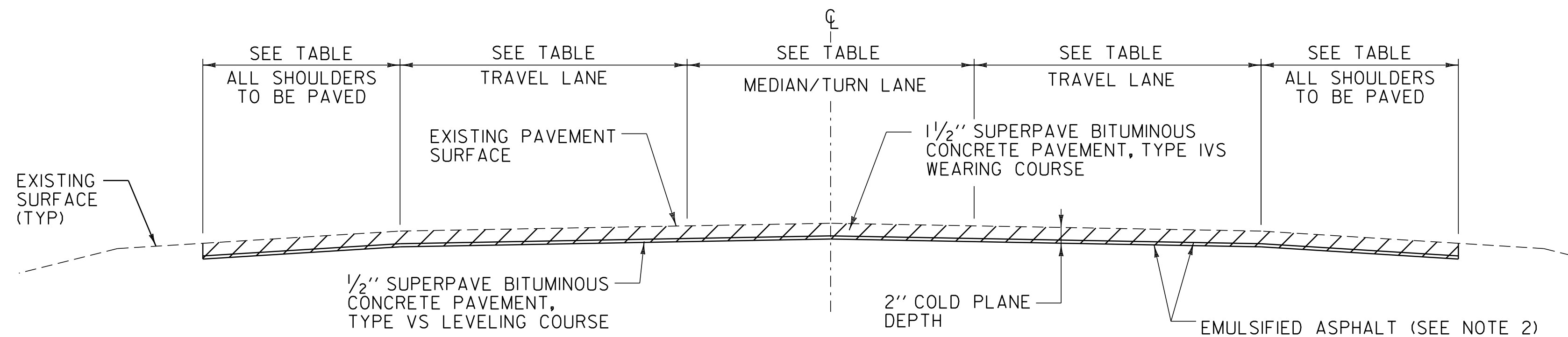
PROJECT MANAGER : MIKE FOWLER

PROJECT NAME : CASTLETON - WEST RUTLAND
PROJECT NUMBER : STP 2705 (I)

SHEET 12 OF 152 SHEETS



VT. ROUTE	CASTLETON	STA	TO	CASTLETON	STA
VT. ROUTE 4A	CASTLETON	216+25.00	TO	CASTLETON	219+40.00
VT. ROUTE 4A	CASTLETON	224+75.00	TO	CASTLETON	302+00.00
VT. ROUTE 4A	CASTLETON	302+00.00	TO	CASTLETON	302+23.00
VT. ROUTE 4A	CASTLETON	303+27.00	TO	CASTLETON	364+85.00
VT. ROUTE 4A	CASTLETON	366+02.00	TO	CASTLETON	366+22.08
VT. ROUTE 4A	IRA	0+00.00	TO	IRA	68+69.28
VT. ROUTE 4A	WEST RUTLAND	0+00.00	TO	WEST RUTLAND	94+93.44
CASTLETON STATE HIGHWAY	CASTLETON STATE HIGHWAY	3+25.00	TO	CASTLETON STATE HIGHWAY	3+80.00



VT. ROUTE 4A	CASTLETON	STA	TO	CASTLETON	STA
VT. ROUTE 4A	CASTLETON	205+45.00	TO	CASTLETON	216+25.00
CASTLETON STATE HIGHWAY	CASTLETON STATE HIGHWAY	0+00.00	TO	CASTLETON STATE HIGHWAY	3+25.00

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	WARM-MIX TECHNOLOGIES	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
CASTLETON:							
VT. ROUTE 4A	203+49.12	203+81.00	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/2"	3	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	203+81.00	204+50.00	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/4"	-	BR 7 COLD PLANE 1/4" & PAVE WITH 1/4" TYPE IVS
VT. ROUTE 4A	204+50.00	205+45.00	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/2"	12	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	205+45.00	216+25.00	FOAMING PROCESS	VARIABLES - SEE LAYOUT	1/2"	170	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	216+25.00	219+40.00	FOAMING PROCESS	9'-0" - 12'-0" - 12'-0" - 9'-0"	1/2"	43	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	219+40.00	224+75.00	-	-	-	-	NO PAVING WORK (BR 8 AND APPROACH AREA)
VT. ROUTE 4A	224+75.00	302+00.00	FOAMING PROCESS	3'-0" - 11'-0" - 11'-0" - 3'-0"	1/2"	702	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	302+00.00	302+23.00	FOAMING PROCESS	6'-0" - 11'-0" - 11'-0" - 6'-0"	1/2"	3	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	302+23.00	303+27.00	-	-	-	-	NO PAVING WORK (BR 11 AND APPROACH AREA)
VT. ROUTE 4A	303+27.00	306+25.00	FOAMING PROCESS	5'-0" - 12'-0" - 12'-0" - 5'-0"	1/2"	31	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	306+25.00	363+50.00	FOAMING PROCESS	3'-0" - 11'-0" - 11'-0" - 3'-0"	1/2"	536	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	363+50.00	364+85.00	FOAMING PROCESS	6'-0" - 11'-0" - 11'-0" - 6'-0"	1/2"	28	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	364+85.00	366+02.00	-	-	-	-	NO PAVING WORK (BR 12 AND APPROACH AREA)
VT. ROUTE 4A	366+02.00	366+22.08	-	6'-0" - 11'-0" - 11'-0" - 6'-0"	1/2"	2	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
IRA:							
VT. ROUTE 4A	0+00.00	6+85.00	-	6'-0" - 11'-0" - 11'-0" - 6'-0"	1/2"	74	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	6+85.00	68+69.28	-	3'-0" - 11'-0" - 11'-0" - 3'-0"	1/2"	561	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
WEST RUTLAND:							
VT. ROUTE 4A	0+00.00	55+75.00	-	3'-0" - 11'-0" - 11'-0" - 3'-0"	1/2"	507	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	55+75.00	66+30.00	-	7'-0" - 11'-0" - 11'-0" - 7'-0"	1/2"	122	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	66+30.00	94+93.44	-	3'-0" - 11'-0" - 11'-0" - 3'-0"	1/2"	260	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
CASTLETON:							
STATE HIGHWAY	0+00.00	3+25.00	FOAMING PROCESS	VARIABLES - SEE LAYOUT	1/2"	47	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
STATE HIGHWAY	3+25.00	3+80.00	FOAMING PROCESS	5'-0" - 12'-0" - 12'-0" - 5'-0"	1/2"	6	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
STATE HIGHWAY	3+80.00	4+75.00	-	-	-	-	NO PAVING WORK (BR 1 AND APPROACH AREA)
STATE HIGHWAY	4+75.00	7+20.00	FOAMING PROCESS	VARIABLES - SEE LAYOUT	1/2"	29	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
STATE HIGHWAY	7+20.00	9+34.00	FOAMING PROCESS	9'-0" - 12'-0" - 12'-0" - 9'-0"	1/2"	29	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
STATE HIGHWAY	9+34.00	11+93.00	FOAMING PROCESS	9'-0" - 12'-0" - 12'-0" - 9'-0"	1/4"	-	BR 2 COLD PLANE 1/4" & PAVE WITH 1/4" TYPE IVS
STATE HIGHWAY	11+93.00	12+25.00	FOAMING PROCESS	9'-0" - 12'-0" - 12'-0" - 9'-0"	1/2"	3	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
STATE HIGHWAY	12+25.00	15+00.00	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/2"	29	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
STATE HIGHWAY	15+00.00	21+43.68	FOAMING PROCESS	7'-0" - 12'-0" - 12'-0" - 7'-0"	1/2"	79	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS

NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, THE LEVELING COURSE SHALL BE TYPE VS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. OF CRSI-H OR RSI-H. TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF CRSI-H OR RSI-H.
2. THE COLD PLANED SURFACE SHALL HAVE SURFACE PREP BEFORE THE LEVELING COURSE IS LAID. SURFACE PREP SHALL CONSIST OF POTHOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH AND PAID FOR UNDER ITEM 900.680 SPECIAL PROVISIONS (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE II).
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. COLD PLANING SHALL BE COMPLETED AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
5. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.
6. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS, ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED. IF THIS CANNOT BE OBTAINED, THEN ITEM 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FEET POSTS SHALL BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
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. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3' OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I OR ITEM 608.15 POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.40 SUBBASE, RAP. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
9. THE WEARING COURSE OF ALL OF CONTRACT ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, SHALL UTILIZE THE REQUIREMENTS OF ITEM 900.645, SPECIAL PROVISION (INTELLIGENT COMPACTION EQUIPMENT) AS CONTAINED WITHIN THE CONTRACT DOCUMENTS. ALL OTHER CONTRACT PROVISIONS ASSOCIATED WITH ITEM 490.30 SHALL APPLY IN CONJUNCTION WITH THE REQUIREMENTS OF ITEM 900.645.

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			

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

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

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

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

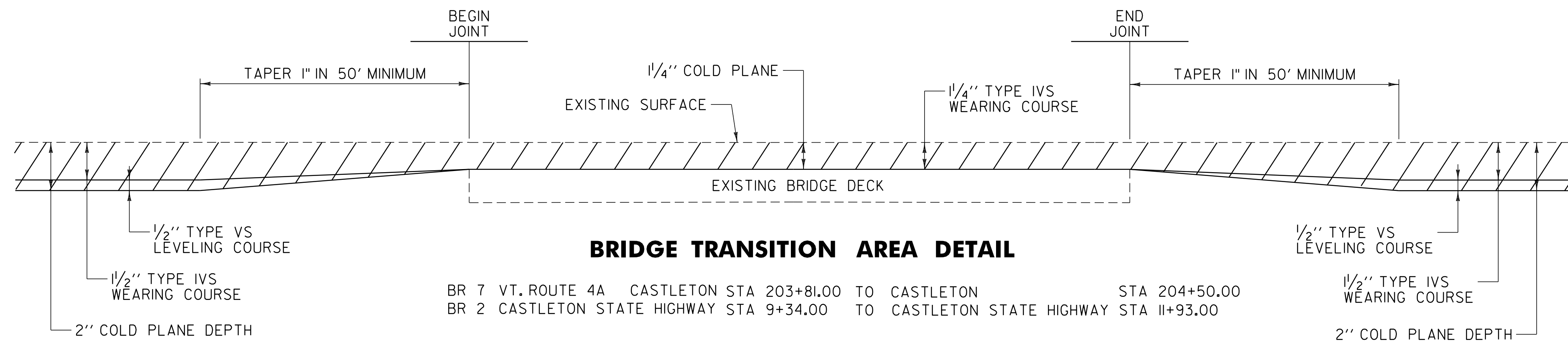
TOPSOIL:
TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

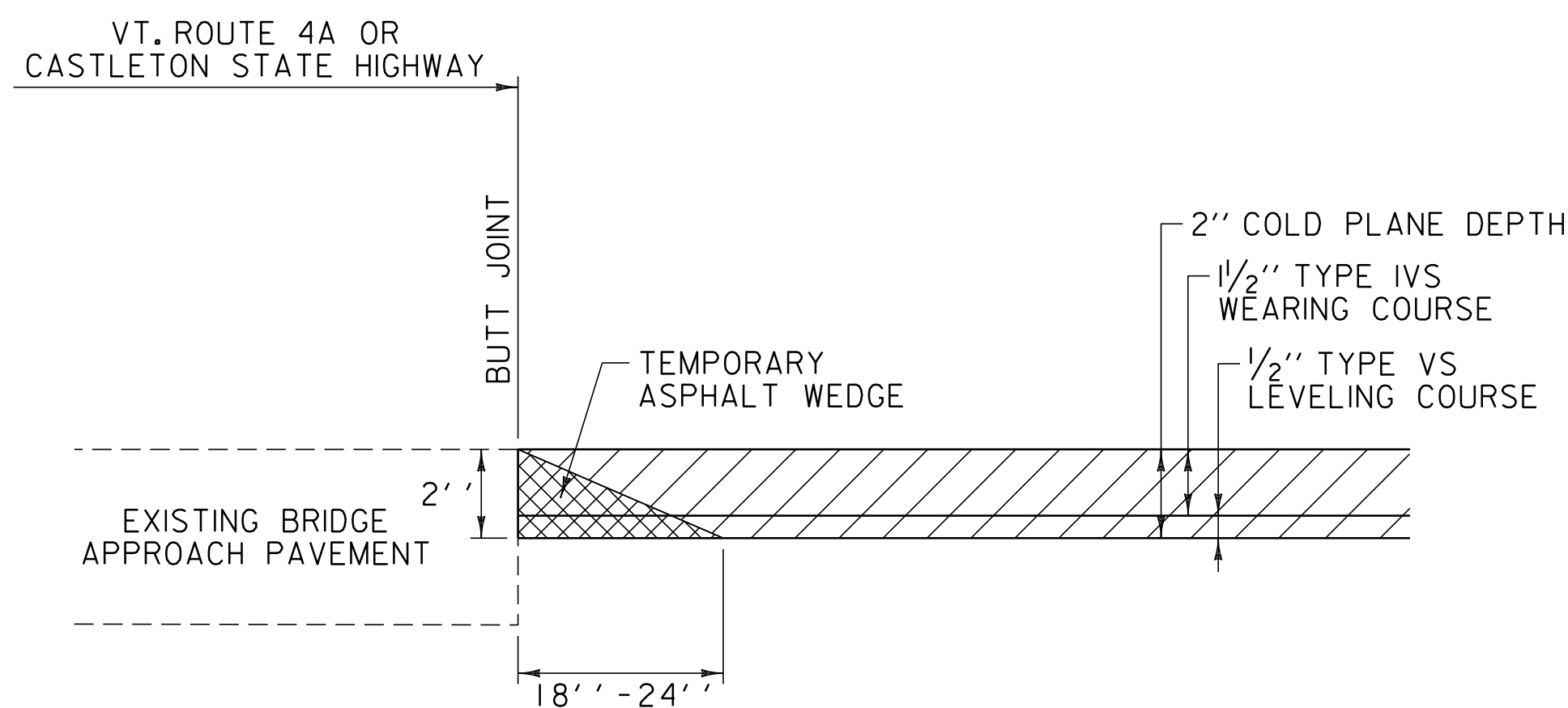
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PROJECT TYPICAL SHEET

PROJECT NAME:	CASTLETON - WEST RUTLAND
PROJECT NUMBER:	STP 2705(1)
FILE NAME:	p07cl68.dgn
PROJECT LEADER:	D.E.G.
DESIGNED BY:	M.J.M.
IPARM FILE:	p07cl68typ.i
PLOT DATE:	04-JUN-2013 09:2
DRAWN BY:	W.G.P.
CHECKED BY:	D.E.G.
SHEET	13 OF 152



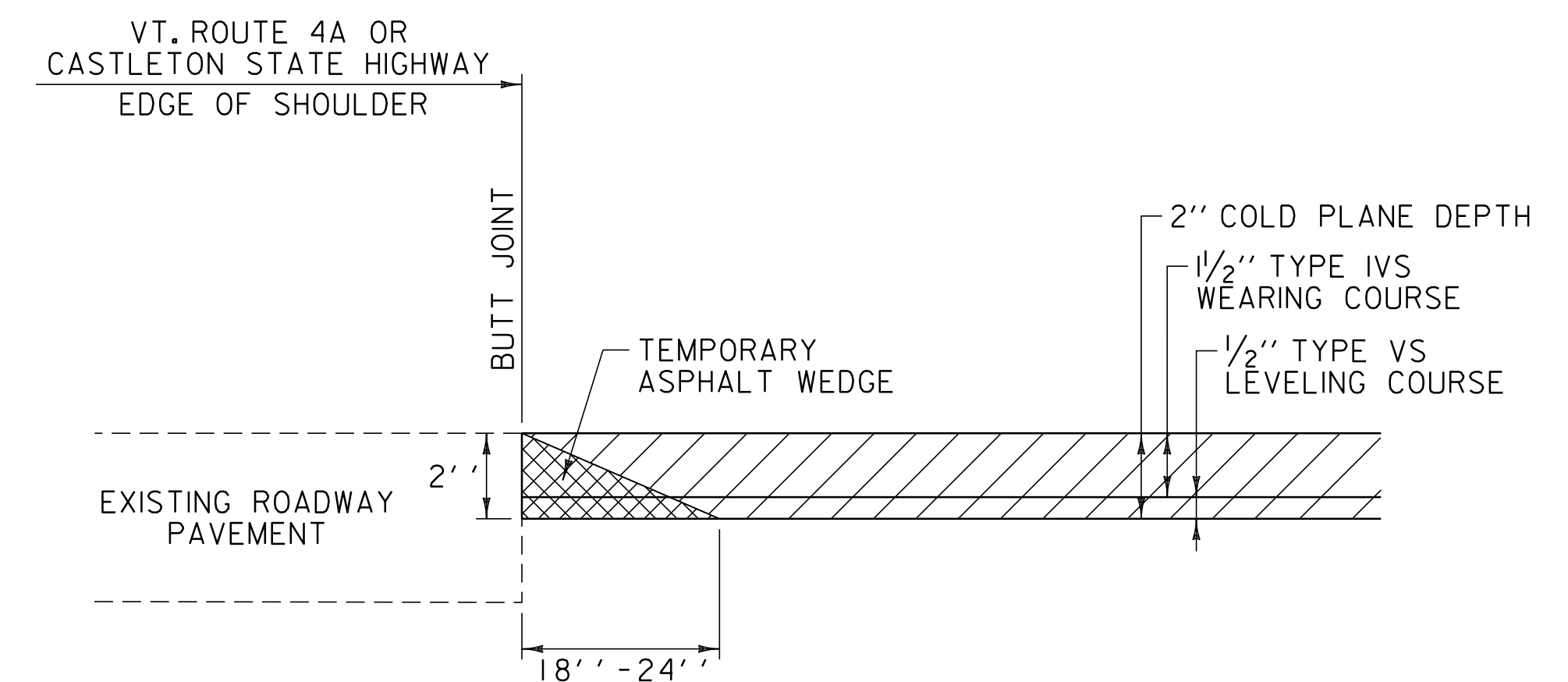
BRIDGE TRANSITION AREA DETAIL
 BR 7 VT. ROUTE 4A CASTLETON STA 203+81.00 TO CASTLETON STA 204+50.00
 BR 2 CASTLETON STATE HIGHWAY STA 9+34.00 TO CASTLETON STATE HIGHWAY STA 11+93.00



BRIDGE APPROACH AREA DETAIL

CASTLETON:	BR 8	STA 219+40.0
	BR 8	STA 224+75.0
	BR 11	STA 302+23.0
	BR 11	STA 303+27.0
	BR 12	STA 364+85.0
	BR 12	STA 366+02.0

CASTLETON STATE HIGHWAY:	BR 1	STA 3+80.0
	BR 1	STA 4+75.0



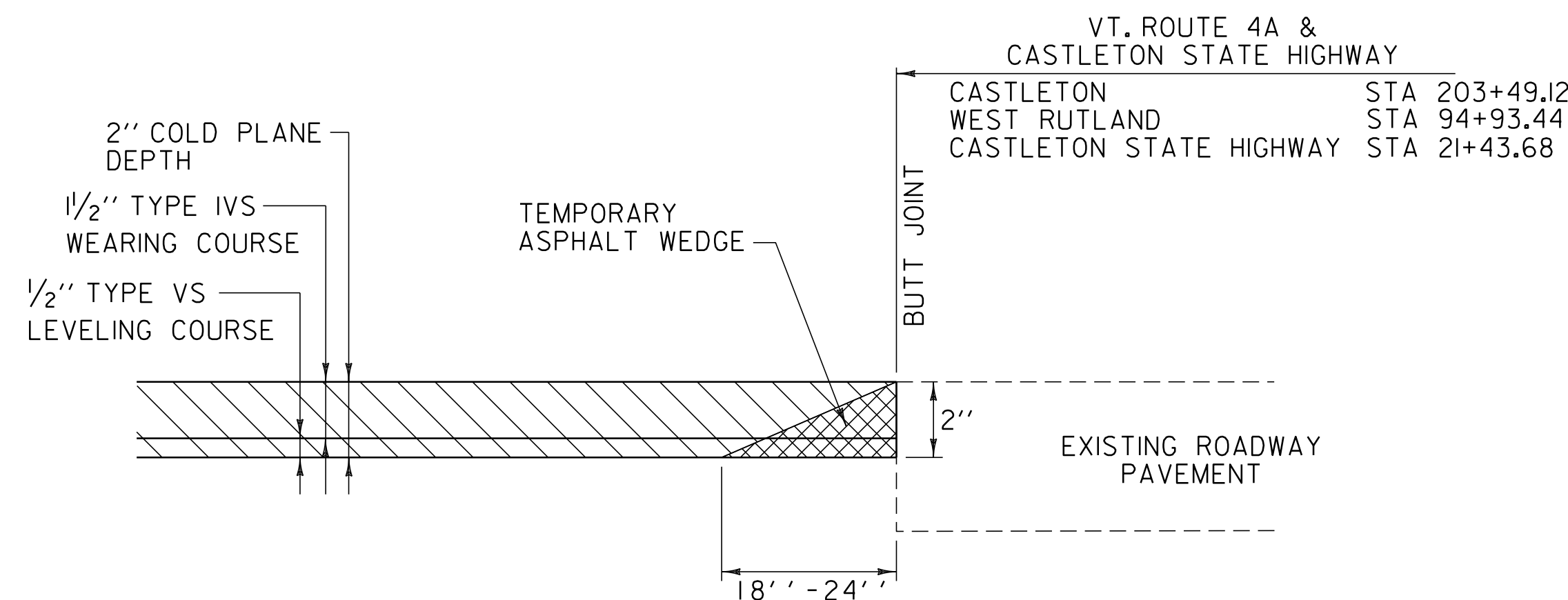
COLD PLANE SIDE ROAD DETAIL

CASTLETON:	TH-46	STA 270+91.68	RT
	TH-48	STA 334+22.40	RT

IRA:	TH-48	STA 33+51.84	RT
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WEST RUTLAND:	TH-4	STA 64+99.68	LT
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CASTLETON STATE HIGHWAY:	RAMP A	STA 6+50.00	LT
	RAMP D	STA 6+50.00	RT
	TH-31	STA 14+41.44	LT
	RAMP B	STA 18+42.79	RT
	RAMP C	STA 18+77.37	RT



COLD PLANE APPROACH AREA DETAIL

VT. ROUTE 4A CASTLETON	STA 203+49.12	- BEGIN PROJECT
VT. ROUTE 4A WEST RUTLAND	STA 94+93.44	- END PROJECT
CASTLETON STATE HIGHWAY	STA 21+43.68	- END PROJECT

NOT TO SCALE

**PAVING
DETAILS
SHEET**

PROJECT NAME: CASTLETON - WEST RUTLAND

PROJECT NUMBER: STP 2705(1)

FILE NAME: p07cl68.dgn

PROJECT LEADER: D.E.G.

DESIGNED BY: M.J.M.

IPARM FILE: p07cl68pd.i

PLOT DATE: 04-JUN-2013 09:2

DRAWN BY: W.G.P.

CHECKED BY: D.E.G.

SHEET 14 OF 152

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 4A:			
210+47	LT	24	ASPHALT DRIVE
211+45	RT	39	ASPHALT DRIVE
214+13	LT	7	ASPHALT DRIVE
215+32	LT	7	GRAVEL DRIVE
216+62	LT	12	GRAVEL DRIVE
218+75	LT	16	ASPHALT DRIVE
245+05	LT	13	GRAVEL DRIVE
249+36	LT	22	GRAVEL DRIVE
262+15	RT	9	GRAVEL DRIVE
263+08	RT	13	GRAVEL DRIVE
269+12	RT	7	GRAVEL DRIVE
270+39	LT	11	GRAVEL DRIVE
274+27	RT	7	GRAVEL DRIVE
278+94	RT	2	FIELD ACCESS
279+24	LT	7	GRAVEL DRIVE
281+53	RT	7	GRAVEL DRIVE
283+35	LT	22	GRAVEL DRIVE
284+78	LT	70	GRAVEL DRIVE
286+13	LT	50	GRAVEL DRIVE
286+69	RT	7	GRAVEL DRIVE
290+03	LT	18	GRAVEL DRIVE
290+54	RT	2	FIELD ACCESS
291+03	LT	13	GRAVEL DRIVE
293+77	LT	18	GRAVEL DRIVE
296+79	LT	13	GRAVEL DRIVE
297+17	RT	27	GRAVEL DRIVE
300+10	LT	4	ASPHALT DRIVE
307+07	LT	33	GRAVEL DRIVE
311+07	LT	13	GRAVEL DRIVE
313+41	LT	22	GRAVEL DRIVE
314+12	LT	2	FIELD ACCESS
316+55	RT	11	GRAVEL DRIVE
317+87	LT	11	GRAVEL DRIVE
319+04	LT	4	GRAVEL DRIVE
319+79	LT	4	GRAVEL DRIVE
320+33	RT	4	GRAVEL DRIVE
320+64	LT	4	GRAVEL DRIVE
321+38	LT	4	GRAVEL DRIVE
322+62	LT	2	FIELD ACCESS
323+21	RT	4	GRAVEL DRIVE
323+68	RT	4	GRAVEL DRIVE
323+77	LT	4	GRAVEL DRIVE
325+40	RT	4	GRAVEL DRIVE
325+98	RT	11	GRAVEL DRIVE
326+86	LT	4	FIELD ACCESS
326+86	RT	2	GRAVEL DRIVE
328+05	RT	18	GRAVEL DRIVE
329+59	LT	33	GRAVEL DRIVE
329+94	RT	18	GRAVEL DRIVE
331+82	LT	22	GRAVEL DRIVE
336+92	LT	11	GRAVEL DRIVE
339+41	LT	9	ASPHALT DRIVE
340+39	LT	2	FIELD ACCESS
342+48	RT	2	FIELD ACCESS
342+61	LT	11	GRAVEL DRIVE
343+47	LT	11	GRAVEL DRIVE
346+22	LT	11	GRAVEL DRIVE
347+09	RT	7	ASPHALT DRIVE
348+31	LT	4	GRAVEL DRIVE
349+70	LT	2	FIELD ACCESS
350+52	RT	7	ASPHALT DRIVE
350+97	LT	7	GRAVEL DRIVE
353+18	LT	9	GRAVEL DRIVE

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 4A (CONTINUED):			
354+80	LT	7	GRAVEL DRIVE
354+84	RT	7	GRAVEL DRIVE
356+42	LT	4	GRAVEL DRIVE
361+34	LT	13	GRAVEL DRIVE
362+37	LT	18	ASPHALT DRIVE
364+24	LT	2	FIELD ACCESS
SUBTOTAL:		829	

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON STATE HIGHWAY:			
I+50	LT	18	ASPHALT DRIVE
SUBTOTAL:		18	

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 4A FOR RECORD PLANS			
247+50	RT	10	ASPHALT DRIVE
249+87	RT	14	ASPHALT DRIVE
250+00	LT	9	ASPHALT DRIVE
251+85	RT	15	ASPHALT DRIVE
351+65	RT	14	ASPHALT DRIVE
354+34	RT	11	GRAVEL DRIVE
SUBTOTAL:			

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
IRA VT. ROUTE 4A:			
9+72	LT	4	GRAVEL DRIVE
9+87	RT	18	1109 BLUE STAR DR (ASPHALT)
11+83	RT	18	GRAVEL DRIVE
20+39	LT	13	GRAVEL DRIVE
20+81	LT	4	GRAVEL DRIVE
21+86	RT	4	GRAVEL DRIVE
22+13	LT	4	GRAVEL DRIVE
23+29	LT	38	GRAVEL DRIVE
23+87	LT	14	ASPHALT DRIVE
25+36	RT	9	GRAVEL DRIVE
25+63	LT	4	GRAVEL DRIVE
29+06	LT	7	GRAVEL DRIVE
30+98	LT	7	GRAVEL DRIVE
33+16	LT	13	GRAVEL DRIVE
34+44	LT	13	GRAVEL DRIVE
38+01	LT	7	GRAVEL DRIVE
39+04	LT	13	GRAVEL DRIVE
41+53	RT	4	GRAVEL DRIVE
44+00	LT	22	ASPHALT DRIVE
45+14	LT	20	GRAVEL DRIVE
45+36	RT	4	ASPHALT DRIVE
49+28	RT	21	GRAVEL DRIVE
53+61	RT	59	GRAVEL DRIVE
54+97	RT	13	ASPHALT DRIVE
55+85	RT	9	ASPHALT DRIVE
57+58	RT	4	ASPHALT DRIVE
59+45	RT	4	ASPHALT DRIVE
60+95	RT	9	GRAVEL DRIVE
61+95	LT	14	GRAVEL DRIVE
62+53	RT	2	FIELD ACCESS
SUBTOTAL:		375	

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
WEST RUTLAND VT. ROUTE 4A:			
8+79	LT	9	GRAVEL DRIVE
11+66	LT	22	GRAVEL DRIVE
12+99	LT	2	FIELD ACCESS
14+06	LT	16	GRAVEL DRIVE
14+40	RT	22	GRAVEL DRIVE
16+45	RT	4	ASPHALT DRIVE
22+28	RT	2	FIELD ACCESS
26+07	RT	4	GRAVEL DRIVE
27+30	RT	4	GRAVEL DRIVE
27+39	LT	21	GRAVEL DRIVE
28+00	RT	2	FIELD ACCESS
28+39	LT	2	FIELD ACCESS
29+86	LT	22	GRAVEL DRIVE
30+41	RT	117	GRAVEL DRIVE
32+11	RT	2	FIELD ACCESS
32+12	LT	2	FIELD ACCESS
41+72	RT	2	FIELD ACCESS
56+56	RT	2	FIELD ACCESS
60+57	RT	2	FIELD ACCESS
61+05	LT	13	GRAVEL DRIVE
66+95	LT	12	GRAVEL DRIVE ASPHALT DRIVE
68+93	RT	4	GRAVEL DRIVE ASPHALT DRIVE
70+83	LT	20	GRAVEL DRIVE ASPHALT DRIVE
71+43	RT	4	ASPHALT DRIVE
72+13	LT	4	ASPHALT DRIVE
73+36	LT	19	ASPHALT DRIVE
73+68	RT	9	GRAVEL DRIVE
76+00	RT	7	ASPHALT DRIVE
78+43	RT	4	GRAVEL DRIVE
82+62	RT	18	GRAVEL DRIVE
84+08	LT	4	GRAVEL DRIVE
84+91	RT	16	ASPHALT DRIVE
87+18	LT	15	GRAVEL DRIVE
89+26	LT	4	GRAVEL DRIVE
89+88	RT	4	ASPHALT DRIVE
90+66	LT	14	GRAVEL DRIVE
93+72	LT	11	ASPHALT DRIVE
94+14	RT	19	GRAVEL DRIVE
94+62	LT	10	ASPHALT DRIVE
94+95	RT	11	ASPHALT DRIVE
SUBTOTAL:		481	

SUMMARY BY TOWN	
TOWN	QUANTITY (SY)
CASTLETON (4A)	829
CASTLETON ST. HWY.	18
IRA	375
WEST RUTLAND	481
SUBTOTAL:	1703
ROUNDING:	97
TOTAL ITEM 900.675:	1800

NOTE:
1. SEE SHEET 7 FOR DRIVEWAY HANDWORK DETAILS.

DRIVEWAY HANDWORK TABLES SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p07cl68dht.i	SHEET 15 OF 152

ITEM DETAIL SUMMARY SHEET

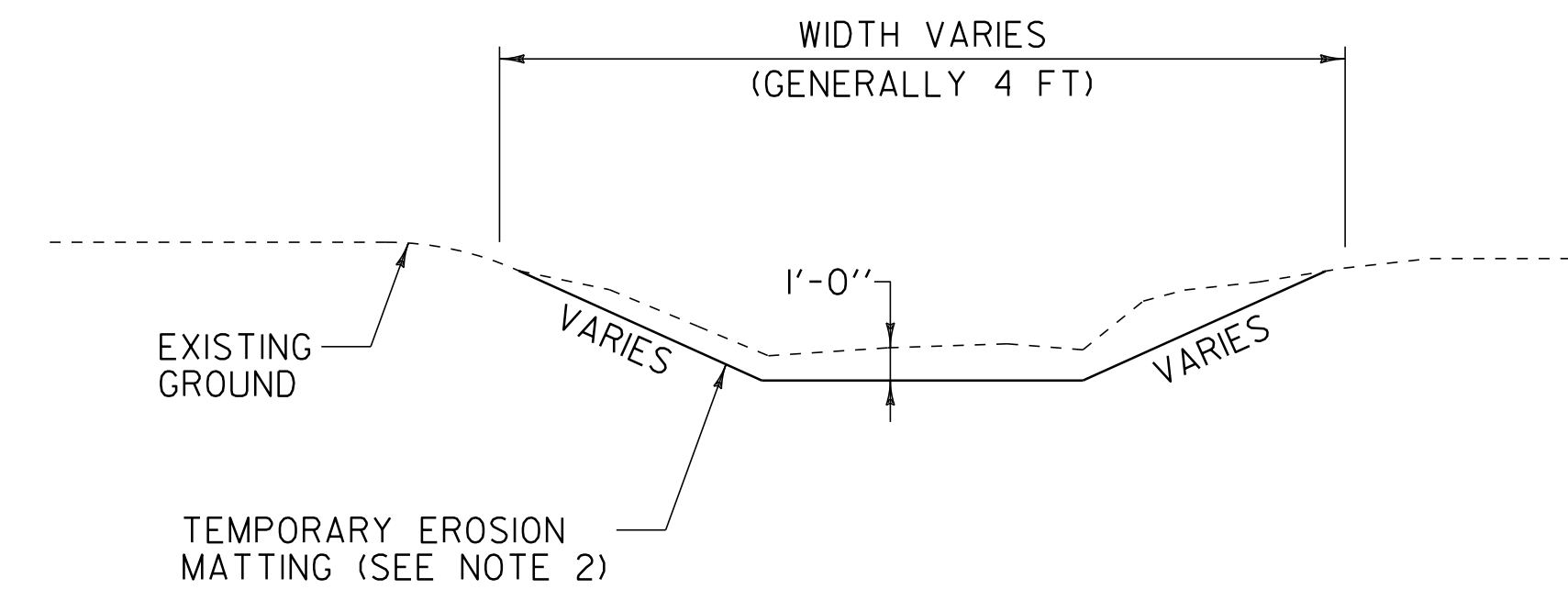
LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS						REMARKS									
			62L20	62L20S	62L21	62L216	62L217	62L53	62L60	62L70	62L71	62L74	62L80	604,412	604,415	604,418	613,10	65L15		676,10								
BEGIN STATION	END STATION	POS.	S.B. GR GAL. LF	S.B. GR, GALV. W/ 8' POSTS LF	HD S.B. GR GAL. LF	HD S.B. GR, GALV. NESTED LF	HD S.B. GR, GALV. NESTED W/8 FT POST LF	TERM CONNECT FOR S.B. GR EA	ANCHOR FOR S.B. RAIL EA	GR APPROACH SECTION, GALV. TYPE I EA	GR APPROACH SECTION, GALV. TYPE II EA	ALUMINUM APPROACH RAILING LF	REMOVAL & DISPOSAL OF GUARDRAIL LF	REHABING CB'S OR EA	DI'S, MH'S EA	STONE FILL, TYPE I CY	SEED LB	DELINEATOR WITH STEEL POST EA										
CASTLETON:																												
203+49.1	366+22.1	LT/RT														12	25											
SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER.																												
204+48.0	205+27.0	LT	52.0		32.5			1	1				70.0					1										
SEE VAOT STANDARD SHEET G-ID. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE RAIL AT STA 204+50.0. PROVIDE ANCHOR AT STA 205+20.5. SEE SHEET 82 FOR BR 7 DETAILS.																												
204+48.0	205+27.0	RT	52.0		32.5			1	1				75.0					1										
SEE VAOT STANDARD SHEET G-ID. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE RAIL AT STA 204+50.0. PROVIDE ANCHOR AT STA 205+20.5. SEE SHEET 82 FOR BR 7 DETAILS.																												
223+08.0	360+65.0	LT/RT															41											
SEE SHEET 21 FOR DITCH CLEANING DETAILS SHEET.																												
224+72.0	241+99.0	LT		1727.0					1				1718.0					1										
CONNECT PROPOSED RAIL TO EXISTING RAIL AT STA 224+72.0. SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHOR AT STA 241+92.5.																												
251+31.5	262+10.5	LT		1079.0					2				1068.0					2										
SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA 251+38.0 AND STA 262+04.0.																												
258+42.0		RT														2												
FOR THE REPAIR OF THE EXISTING SLOPE AS DIRECTED BY THE RESIDENT ENGINEER.																												
263+45.3	264+86.8	RT	54.0			87.5			2				124.0					2										
SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA 263+51.8 AND STA 264+80.3. SEE SHEET 9 FOR DOUBLE NESTED GUARDRAIL SYSTEM.																												
263+57.8	265+11.8	LT	66.5			87.5			2				137.0					2										
SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA 263+64.3 AND STA 265+05.3. SEE SHEET 9 FOR DOUBLE NESTED GUARDRAIL SYSTEM.																												
269+07.0	270+23.5	LT	91.5			25.0			2				97.0					2										
SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 269+13.5 AND STA 270+17.0. SEE SHEET 10 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.																												
269+32.0	270+48.5	RT	91.5			25.0			2				110.0					2										
SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 269+38.5 AND STA 270+42.0. SEE SHEET 10 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.																												
300+95.5	302+35.0	LT	89.5						1	1			138.0					1										
SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHOR AT STA 301+02.0. BEGIN APPROACH SECTION, TYPE I AT STA 301+85.0 AND CONNECT TO EXISTING BRIDGE RAIL AT STA 302+35.0. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 83 FOR BR II DETAILS.																												
301+03.0	302+55.0	RT	102.0						1	1			152.0					1										
SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHOR AT STA 301+09.5. BEGIN APPROACH SECTION, TYPE I AT STA 302+05.0 AND CONNECT TO EXISTING BRIDGE RAIL AT STA 302+55.0. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 83 FOR BR II DETAILS.																												
302+93.0	303+20.0	LT	14.5						1	1			21.0					1										
CONNECT APPROACH SECTION, TYPE II TO EXISTING BRIDGE RAIL AT STA 302+93.0 AND END AT STA 303+05.5. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 83 FOR BR II DETAILS. PROVIDE ANCHOR AT STA 303+13.5. SEE VAOT STANDARD SHEET G-ID.																												
303+16.0	304+55.5	RT	89.5						1	1			129.0					1										
CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT STA 303+16.0 AND END AT STA 303+66.0. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 83 FOR BR II DETAILS. PROVIDE ANCHOR AT STA 304+49.0. SEE VAOT STANDARD SHEET G-ID.																												
363+85.0	365+12.0	RT	77.0						1	1			120.0					1										
SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHOR AT STA 363+91.5. BEGIN APPROACH SECTION, TYPE I AT STA 364+62.0 AND CONNECT TO EXISTING BRIDGE RAIL AT STA 365+12.0. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR 12 DETAILS.																												
365+18.5	365+31.0	LT	16.0						-2-1	1			41.0					1										
INSTALL NEW 16' RADIUS PANEL. SEE VAOT STANDARD SHEET G-ID. PROVIDE ANCHORS AT STA 365+18.5 & STA 365+18.5. BEGIN APPROACH SECTION, TYPE II AT STA 365+18.5 AND CONNECT TO EXISTING BRIDGE RAIL AT STA 365+31.0. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR 12 DETAILS.																												
365+59.0	366+22.08	RT	13.08							1			63.08															
CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT STA 365+59.0 AND END AT STA 366+09.0. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR 12 DETAILS.																												
365+78.0	366+22.08	LT								1			44.08															
CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT STA 365+78.0 AND END AT TOWN OF IRA STA 0+05.92. SEE SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS. SEE SHEET 84 FOR BR 12 DETAILS.																												
IRA:																												
0+00.0	94+93.44	LT/RT													5	10												
SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER.																												
0+00.0	0+13.92	RT	13.92						1				3.92					1										
PROVIDE ANCHOR AT STA 0+7.42. SEE VAOT STANDARD SHEET G-ID.																												
0+05.92	0+32.92	LT	27.0						1				23.92					1										
CONNECT APPROACH SECTION, TYPE I TO EXISTING BRIDGE RAIL AT TOWN OF CASTLETON STA 365+78.0 AND END AT STA 0+05.92. PROVIDE ANCHOR AT STA 0+26.42. SEE VAOT STANDARD SHEET G-ID FOR DETAILS.																												
10+09.4	10+50.9	LT	41.5						2									2										
SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 10+15.9 AND STA 10+44.4.																												
12+65.0	68+69.0	RT														9												
SEE SHEET 21 FOR DITCH CLEANING DETAIL SHEET.																												
18+91.4	19+32.9	LT	41.5						2									2										
SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 18+97.9 AND STA 19+26.4																												
SHEET SUBTOTALS:			933.0	2806.0	65.0	225.0	-	2	26.25	6	2	-	4135.0	-	-	-	19	85	25									
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">ITEM DETAIL SUMMARY SHEET #1</td> <td>PROJECT NAME: CASTLETON - WEST RUTLAND</td> </tr> <tr> <td>PROJECT NUMBER: STP 2705(1)</td> </tr> <tr> <td>FILE NAME: p07cl68.dgn</td> </tr> <tr> <td>PLOT DATE: 04-JUN-2013 09:2</td> </tr> <tr> <td>PROJECT LEADER: D.E.G.</td> <td>DRAWN BY: W.G.P.</td> </tr> <tr> <td>DESIGNED BY: M.J.M.</td> <td>CHECKED BY: D.E.G.</td> </tr> <tr> <td>IPARM FILE: p07cl681dsl.i</td> <td>SHEET 19 OF 152</td> </tr> </table>																		ITEM DETAIL SUMMARY SHEET #1	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	IPARM FILE: p07cl681dsl.i	SHEET 19 OF 152
ITEM DETAIL SUMMARY SHEET #1	PROJECT NAME: CASTLETON - WEST RUTLAND																											
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IPARM FILE: p07cl681dsl.i	SHEET 19 OF 152																											

ITEM DETAIL SUMMARY SHEET

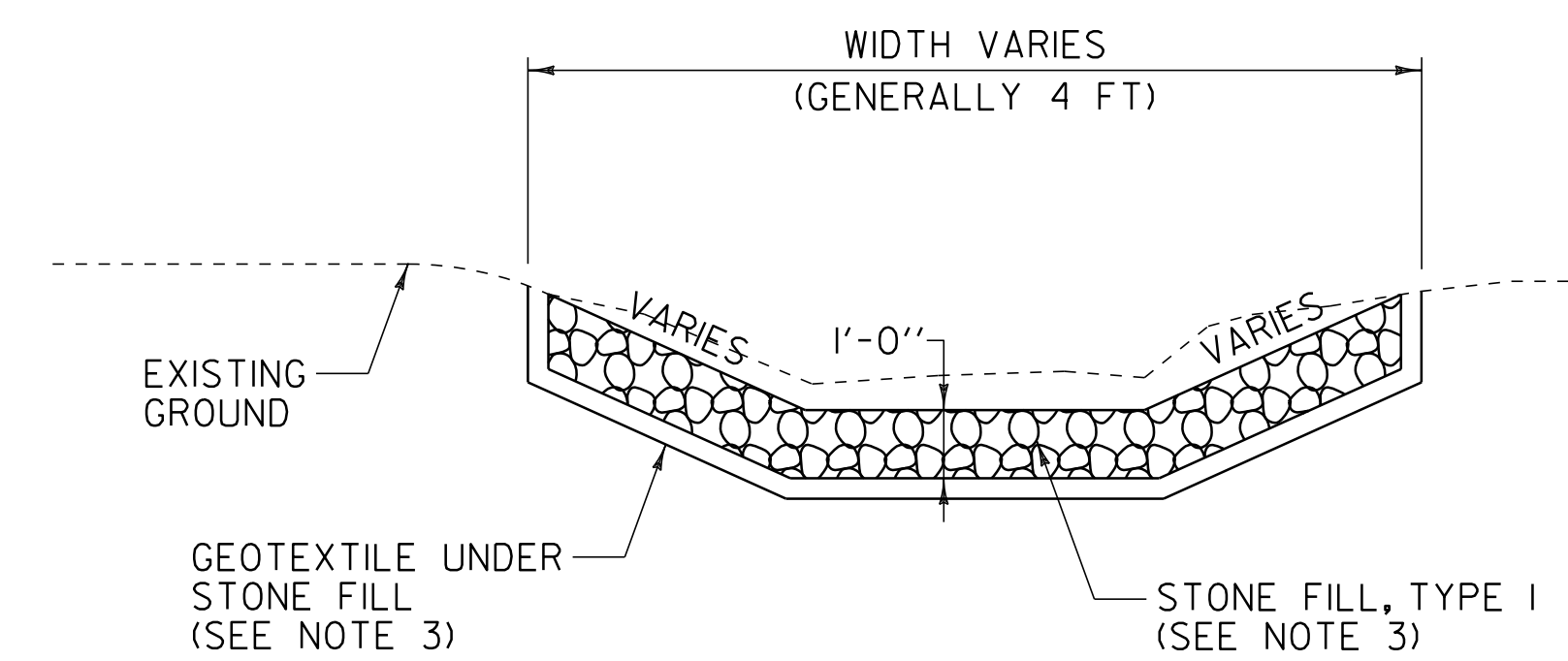
LOCATION			GUARDRAIL (GALVANIZED)										MISCELLANEOUS						REMARKS		
BEGIN STATION	END STATION	POS.	62L20	62L205	62L21	62L216	62L217	62L53	62L60	62L70	62L71	62L74	62L80	604.412	604.415	604.418	613.10	65L15		676.10	
			S.B. GR GAL. LF	S.B. GR, GALV. W/ 8' POSTS LF	HD S.B. GR GAL. LF	HD S.B. GR, GALV. NESTED LF	HD S.B. GR, GALV. NESTED W/8 FT POST LF	TERM CONNECT FOR S.B. GR EA	ANCHOR FOR S.B. RAIL EA	GR APPROACH SECTION, GALV. TYPE I EA	GR APPROACH SECTION, GALV. TYPE II EA	ALUMINUM APPROACH RAILING LF	REMOVAL & DISPOSAL OF GUARDRAIL LF	REHABING DI'S, CB'S OR MH'S EA	EA	EA	EA	STONE FILL, TYPE I CY		SEED LB	DELINEATOR WITH STEEL POST EA
IRA:																					
47+05.8	61+84.8	LT		1411.5			87.5						1431.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 47+12.3 AND STA 61+78.3. SEE SHEET 10 FOR STEEL BEAM GUARDRAIL POST SPACING FOR UTILITY POLE WITHIN 4'-0" OF GUARDRAIL DETAIL. SEE SHEET 9 FOR DOUBLE NESTED GUARDRAIL SYSTEM.	
49+68.3	51+47.3	RT	91.5				87.5						165.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 49+74.8 AND STA 51+40.8. SEE SHEET 9 FOR DOUBLE NESTED GUARDRAIL SYSTEM.	
62+11.0	68+69.28	LT		658.28									658.28						1	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 62+17.5.	
WEST RUTLAND:																					
0+00.0	0+45.72	LT		45.72									34.72						1	PROVIDE ANCHOR AT STA 0+39.22. SEE VAOT STANDARD SHEET G-ID FOR DETAILS.	
0+00.0	89+00.0	LT/RT																36		SEE SHEET 21 FOR DITCH CLEANING DETAIL SHEET.	
0+00.0	94+93.44	LT/RT															8	15		SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER.	
28+47.7	29+01.7	RT	54.0										38.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 28+54.2 AND STA 28+95.2.	
28+47.7	28+89.2	LT	41.5										37.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 28+54.2 AND STA 28+82.7.	
30+07.5	31+99.0	LT	208.5	CABLE RAIL WAS RETAINED AND REPAIRED										163.0	NO REMOVAL					2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 30+14.0 AND AT STA 31+92.5.
32+23.0	39+77.0	LT		754.0									748.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 32+29.5 AND AT STA 39+70.5. AND 32+28 LT	
39+98.0	60+64.5	LT		2066.5									2057.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 40+04.5 AND AT STA 60+58.0.	
61+06.8	67+10.8	RT	516.5			87.5							556.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 66+13.3 AND AT STA 67+04.3. SEE SHEET 9 FOR DOUBLE NESTED GUARDRAIL SYSTEM.	
61+49.0	64+41.0	LT	304.0										300.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 61+55.5 AND AT STA 64+34.5.	
66+00.5	66+79.5	LT	54.0			25.0							73.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 66+07.0 AND AT STA 66+73.0. SEE SHEET 10 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.	
67+09.0	67+50.5	LT	41.5										39.0						2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 67+15.5 AND AT 67+44.0.	
CASTLETON STATE HIGHWAY:																					
0+00.0	21+43.68	LT/RT												1	1	1				SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER.	
3+65.0	3+79.5	LT	14.5										17.5						1	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 3+71.5. CONNECT PROPOSED RAIL TO EXISTING RAIL AT STA 3+79.5. SEE SHEET 85 FOR BR 1 DETAILS.	
3+73.0	3+84.5	RT	28.5										11.5						1	INSTALL NEW 16' RADIUS PANEL. SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 3+73.0 AND 3+73.0. CONNECT PROPOSED RAIL TO EXISTING RAIL AT STA 3+84.5. SEE SHEET 85 FOR BR 1 DETAILS.	
4+54.5	6+06.5	LT	127.0		32.5								150.0						1	SEE SHEET 85 FOR BR 1 DETAILS. CONNECT PROPOSED HD RAIL TO EXISTING RAIL AT STA 4+54.5. SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 6+00.0.	
4+59.5	5+99.0	RT	114.5		32.5								135.0						1	SEE SHEET 85 FOR BR 1 DETAILS. CONNECT PROPOSED HD RAIL TO EXISTING RAIL AT STA 4+59.5. SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 5+92.5.	
6+93.0	8+95.0	LT	202.0										198.0						1	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 6+99.5. CONNECT PROPOSED RAIL TO EXISTING APPROACH RAIL AT STA 8+95.0. SEE SHEET 86 FOR BR 2 DETAILS.	
7+03.0	9+05	RT	202.0	ANCHORS ADDED AT ALUMINUM APPROACH RAILING AS DETAILED ON SHEET 76 OF 152										201.0						1	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 7+09.5. CONNECT PROPOSED RAIL TO EXISTING APPROACH RAIL AT STA 9+05.0. SEE SHEET 86 FOR BR 2 DETAILS.
11+89.8	14+17.0	LT	237.5										27.2	227.2						SEE SHEET 86 FOR BR 2 DETAILS. INSTALL NEW ALUMINUM APPROACH RAILING FROM STA 11+89.8 TO STA 12+17.0 AND CONNECT TO PROPOSED RAIL. CONNECT PROPOSED RAIL TO EXISTING RAIL ON FRISBIE HILL ROAD.	
12+38.0	17+52.5	RT	514.5										505.0						1	SEE SHEET 86 FOR BR 2 DETAILS. CONNECT PROPOSED RAIL TO EXISTING APPROACH RAILING AT STA 12+38.0. PROVIDE ANCHOR AT STA 17+46.0. SEE VAOT STANDARD SHEET G-ID FOR DETAILS.	
14+70.0	16+59.5	LT	227.0										225.5						1	CONNECT PROPOSED RAIL TO EXISTING RAIL ON FRISBIE HILL ROAD. PROVIDE ANCHOR AT STA 16+53.0. SEE VAOT STANDARD SHEET G-ID FOR DETAILS.	
SHEET SUBTOTALS			2977.0	4936.0	65.0	112.5	175.0	-	33.35	-	-	27.2	7970.7	1	1	1	8	51	32		
SHEET 19 SUBTOTALS			933.0	2806.0	65.0	225.0	-	2	26.25	6	2	-	4135.0	-	-	-	19	85	25		
ROUNDING			40.0	58.0	-	12.5	-	-	-	-	-	2.8	94.3	-	-	-	3	4	-		
TOTALS			3950	7800	130	350	175	2	59.60	6	2	30	12,037 12,200	1	1	1	30	140	57		

ITEM DETAIL SUMMARY SHEET #2	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(1)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68ids2.i	SHEET 20 OF 152	

LOCATION				FEET OF DITCHING				MISC. ITEMS				REMARKS	LOCATION				FEET OF DITCHING				MISC. ITEMS				REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE				STONE FILL, TYPE 1	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.		SITE	STATION	STATION	POS.	PERCENT GRADE				STONE FILL, TYPE 1	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-1	1-2.5	2.5-10	>10										0-1	1-2.5	2.5-10	>10					
VT. ROUTE 4A CASTLETON:								CY	SY	LB	SY	VT. ROUTE 4A WEST RUTLAND:								CY	SY	LB	SY		
1	223+08	246+55	RT		2347			39.44	94.67	17	1043	(AOBE)							293.7						
2	251+85	261+35	RT		950					7	422								76.67						
3	264+22	269+95	LT		573					4	255								156.94						
4	287+75	295+95	RT		820					6	365														
5	324+72	328+68	LT		396					3	176														
6	355+35	360+65	LT		530					4	236														
IRA:																									
7	12+65	19+00	RT		635					5	282														
8	63+10	68+69	RT		559					4	249														
WEST RUTLAND:																									
9	0+00	11+35	LT	RT	1135					2	505														
10	16+10	21+12	LT	RT	502					8	223														
11	31+68	55+44	LT	RT	2376					17	1056														
12	67+90	71+84	RT		394					3	175														
13	79+49	82+40	RT		291					2	129														
14	82+80	84+75	RT		195					1	87														
15	88+50	89+00	RT		350					3	156														
ROUNDINGS					47					-	41														
TOTALS					12,100					86	5400														



DITCH DETAIL



STONE DITCH DETAIL

NOTES:

1. 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).
2. ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING AND SEED HAVE BEEN INCLUDED AS NEEDED OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. 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 BETWEEN 2.5 AND 10 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. 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 DETAILS SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(1)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68cdc.i	SHEET 21 OF 152	

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 203+49.12 - STA 209+25.00 EDGE LINE LT & RT
 STA 208+20.00 - STA 209+25.00 DOTTED LANE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 203+49.12 - STA 205+45.00 LT & RT
 STA 205+45.00 - STA 209+25.00 DOUBLE SOLID MEDIAN LT & RT

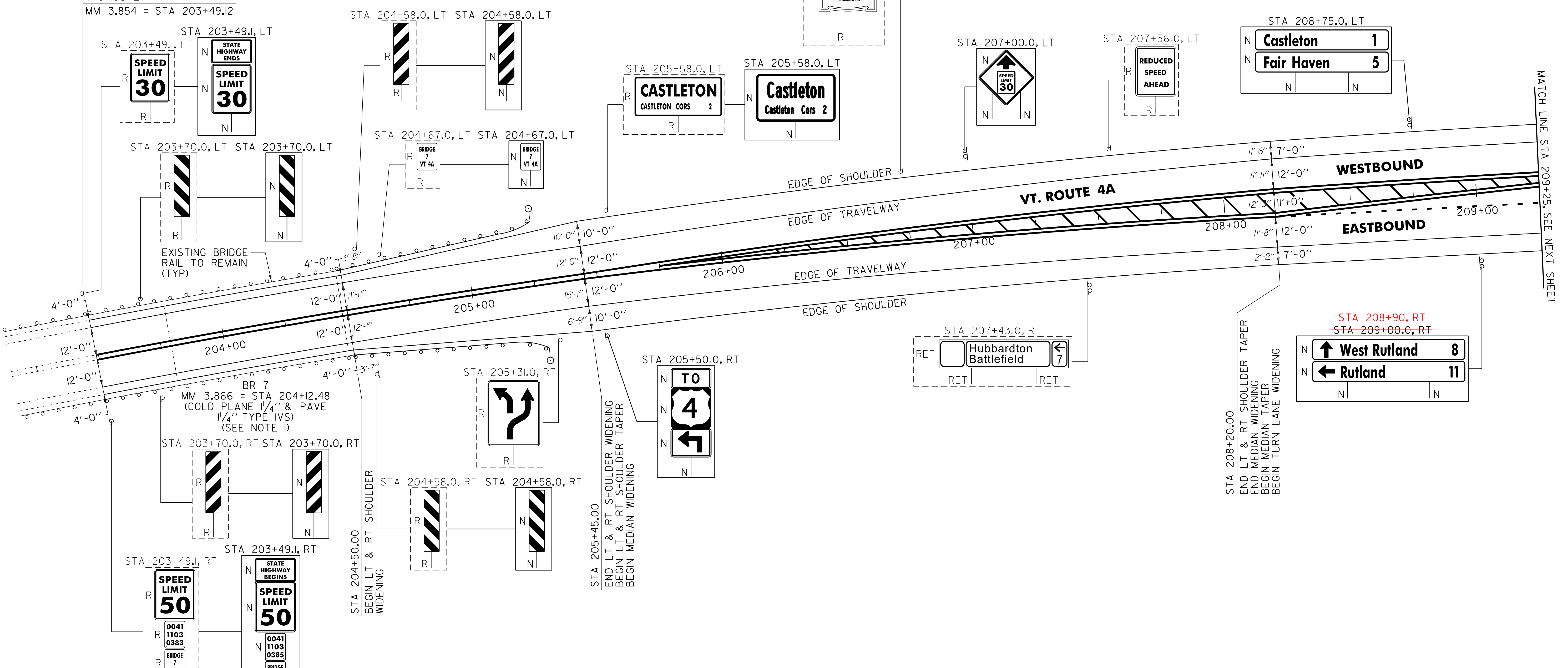
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 203+49.12 - STA 209+25.00 EDGE LINE LT & RT
 STA 208+20.00 - STA 209+25.00 DOTTED LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 203+49.12 - STA 205+45.00 LT & RT
 STA 205+45.00 - STA 209+25.00 DOUBLE SOLID MEDIAN LT & RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC OR
 646.453 DURABLE 8 INCH WYELLOW LINE, EPOXY PAINT OR
 646.454 DURABLE 8 INCH YELLOW LINE, POLYUREA
 CASTLETON:
 STA 205+45.00 - STA 209+25.00 MEDIAN HATCHING LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 13

BEGIN STP 2705(I)
 CASTLETON
 VT. ROUTE 4A
 MM 3.854 = STA 203+49.12



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 204+75.0 - STA 205+27.0 LT (52.0 LF)
 STA 204+75.0 - STA 205+27.0 RT (52.0 LF)

621.21HD STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 204+50.0 - STA 204+75.0 LT (32.5 LF)
 STA 204+50.0 - STA 204+75.0 RT (32.5 LF)

621.53 TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
 CASTLETON:
 STA 204+48.0 - STA 204+50.0 LT
 STA 204+48.0 - STA 204+50.0 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 205+20.5 LT
 STA 205+20.5 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 204+49.0 - STA 205+19.0 LT (70.0 LF)
 STA 204+49.0 - STA 205+24.0 RT (75.0 LF)

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 205+27.0 LT
 STA 205+27.0 RT

SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____
 R = RETURN TO TOWN
 OF CASTLETON

NOTE:
 I. SEE SHEET 82 FOR BR 7 DETAILS.

PROJECT LAYOUT SHEET #1	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(I)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.	
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68I01.i	SHEET 22 OF 152	

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 209+25.00 - STA 215+25.00 EDGE LINE LT & RT
 STA 209+25.00 - STA 210+00.00 DOTTED LANE LINE RT
 STA 210+00.00 - STA 211+50.00 SOLID LANE LINE RT

646.602 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 209+25.00 - STA 215+25.00 EDGE LINE LT & RT
 STA 209+25.00 - STA 210+00.00 DOTTED LANE LINE RT
 STA 210+00.00 - STA 211+50.00 SOLID LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.613 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.614 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 210+00.00 - STA 211+50.00 LT & RT
 STA 209+25.00 - STA 210+00.00 DOUBLE SOLID MEDIAN LT
 STA 212+00.00 - STA 215+25.00 DOUBLE SOLID MEDIAN LT & RT

646.622 TEMPORARY 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.623 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.624 DURABLE 4 INCH YELLOW LINE, POLYUREA
 CASTLETON:
 STA 209+25.00 - STA 210+00.00 MEDIAN HATCHING
 STA 212+00.00 - STA 215+25.00 MEDIAN HATCHING

675.50 REMOVING SIGNS
 AS SHOWN - 17
 675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1

CASTLETON STATE HIGHWAY:
 STA 0+30.00 - STA 2+00.00 EDGE LINE LT & RT
 STA 0+30.00 - STA 1+25.00 SOLID LANE LINE LT
 STA 1+25.00 - STA 2+00.00 DOTTED LANE LINE LT

CASTLETON STATE HIGHWAY:
 STA 0+30.00 - STA 2+00.00 EDGE LINE LT & RT
 STA 0+30.00 - STA 1+25.00 SOLID LANE LINE LT
 STA 1+25.00 - STA 2+00.00 DOTTED LANE LINE LT

CASTLETON STATE HIGHWAY:
 STA 0+30.00 - STA 1+10.00 MEDIAN EDGE LINE LT & RT
 STA 1+10.00 - STA 2+00.00 DOUBLE SOLID MEDIAN 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
 CASTLETON STATE HIGHWAY:
 STA 0+30.00 LT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON STATE HIGHWAY:
 STA 0+30.00 LT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 210+00.00 - STA 211+50.00 LT & RT
 STA 209+25.00 - STA 210+00.00 DOUBLE SOLID MEDIAN LT
 STA 212+00.00 - STA 215+25.00 DOUBLE SOLID MEDIAN LT & RT

CASTLETON STATE HIGHWAY:
 STA 0+30.00 - STA 1+10.00 MEDIAN EDGE LINE LT & RT
 STA 1+10.00 - STA 2+00.00 DOUBLE SOLID MEDIAN LT & RT

646.81 PAINTED CURB
 CASTLETON STATE HIGHWAY:
 STA 0+27.00 - STA 1+00.00 LT/RT (146.0 LF)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 210+04.25 C/L ARROW (1EA)
 STA 210+75.00 C/L "O,N,L,Y" (4 EA)
 STA 211+45.75 C/L ARROW (1EA)
 STA 212+46.50 LT ARROW (2 EA)
 STA 213+43.50 LT ARROW (2 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 210+04.25 C/L ARROW (2 EA)
 STA 211+45.75 C/L ARROW (2 EA)
 STA 212+46.50 LT ARROW (4 EA)
 STA 213+43.50 LT ARROW (4 EA)

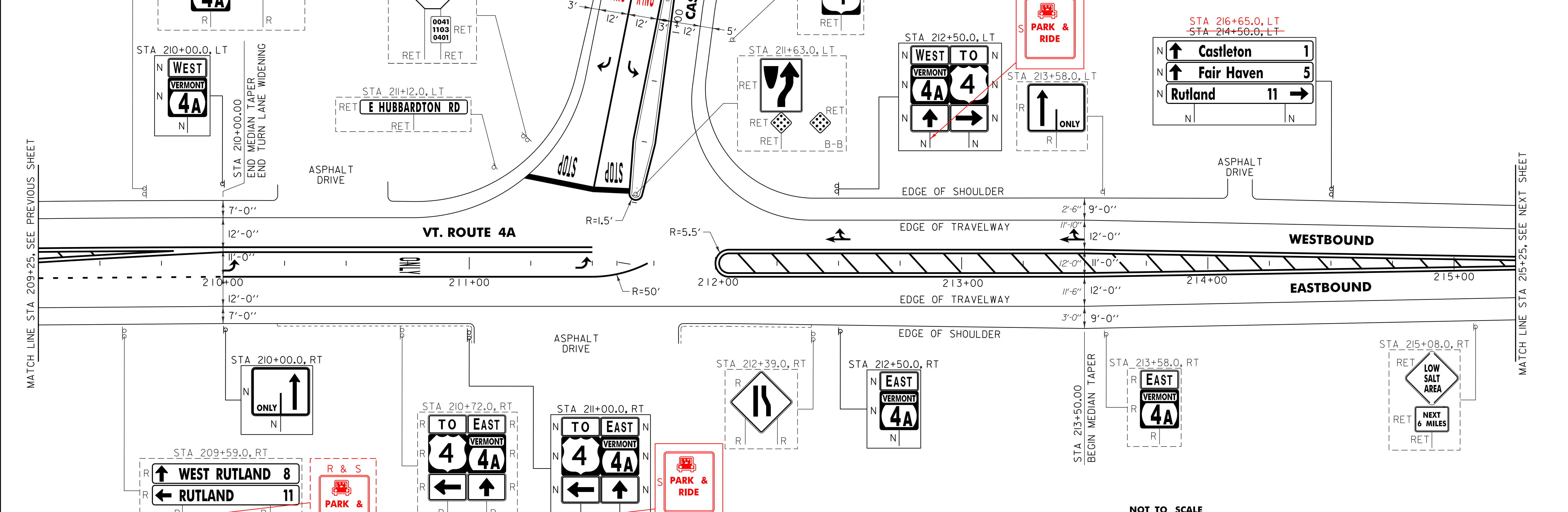
CASTLETON STATE HIGHWAY:
 STA 0+39.17 LT "S,T,O,P" (8 EA)
 STA 0+39.17 LT "S,T,O,P" (8 EA)
 STA 0+80.00 LT ARROW (1EA)
 STA 0+80.00 LT ARROW (1EA)
 STA 1+20.75 LT ARROW (1EA)
 STA 1+20.75 LT ARROW (1EA)

CASTLETON STATE HIGHWAY:
 STA 0+39.17 LT "S,T,O,P" (4 EA)
 STA 0+39.17 LT "S,T,O,P" (4 EA)
 STA 0+80.00 LT ARROW (1EA)
 STA 0+80.00 LT ARROW (1EA)
 STA 1+20.75 LT ARROW (1EA)
 STA 1+20.75 LT ARROW (1EA)

CASTLETON STATE HIGHWAY:
 STA 1+00.00 LT "O,N,L,Y" (4 EA)
 STA 1+00.00 LT "O,N,L,Y" (4 EA)

CASTLETON STATE HIGHWAY:
 STA 0+39.17 LT "S,T,O,P" (4 EA)
 STA 0+39.17 LT "S,T,O,P" (4 EA)
 STA 0+80.00 LT ARROW (1EA)
 STA 0+80.00 LT ARROW (1EA)
 STA 1+20.75 LT ARROW (1EA)
 STA 1+20.75 LT ARROW (1EA)

CASTLETON STATE HIGHWAY:
 STA 0+39.17 LT "S,T,O,P" (8 EA)
 STA 0+39.17 LT "S,T,O,P" (8 EA)
 STA 0+80.00 LT ARROW (2 EA)
 STA 0+80.00 LT ARROW (2 EA)
 STA 1+20.75 LT ARROW (2 EA)
 STA 1+20.75 LT ARROW (2 EA)



MATCH LINE STA 209+25. SEE PREVIOUS SHEET

MATCH LINE STA 215+25. SEE NEXT SHEET

SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING BY: _____
 NEW = _____

PROJECT LAYOUT SHEET #2	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 23 OF 152

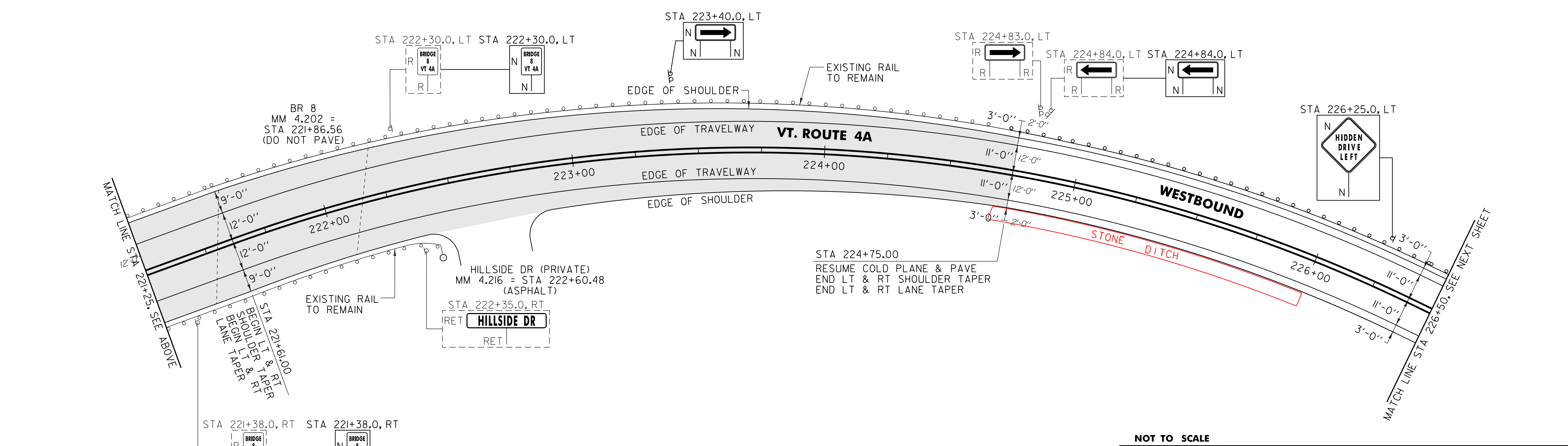
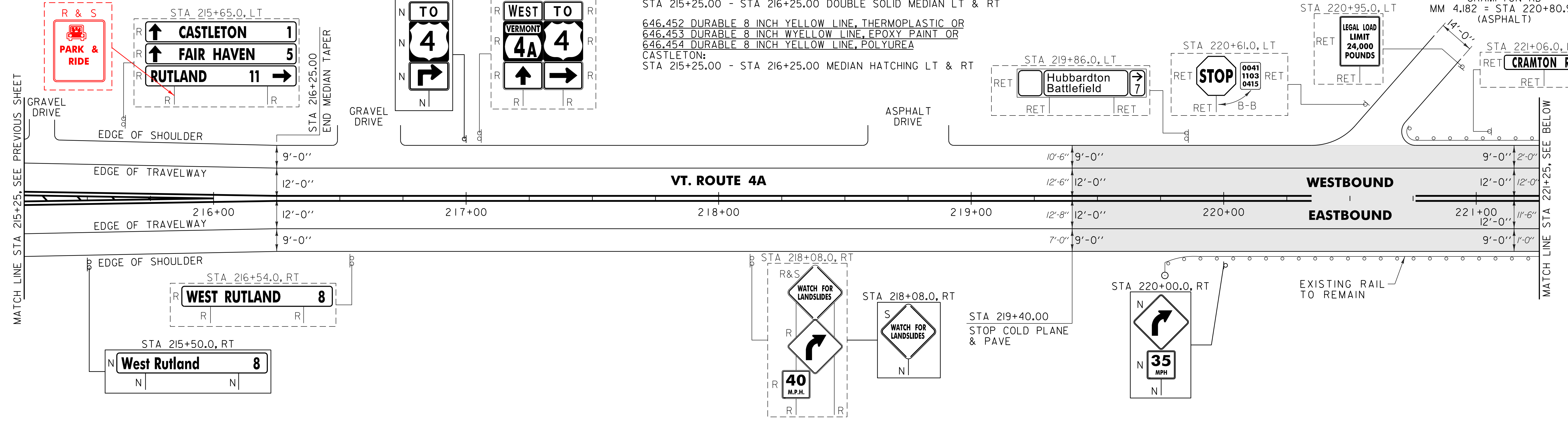
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 215+25.00 - STA 226+50.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 215+25.00 - STA 226+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 216+25.00 - STA 226+50.00 LT @ RT
 STA 215+25.00 - STA 216+25.00 DOUBLE SOLID MEDIAN LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 216+25.00 - STA 226+50.00 LT @ RT
 STA 215+25.00 - STA 216+25.00 DOUBLE SOLID MEDIAN LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 17
 675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1
 TH-8
 CRAMPTON RD
 MM 4.182 = STA 220+80.96
 (ASPHALT)

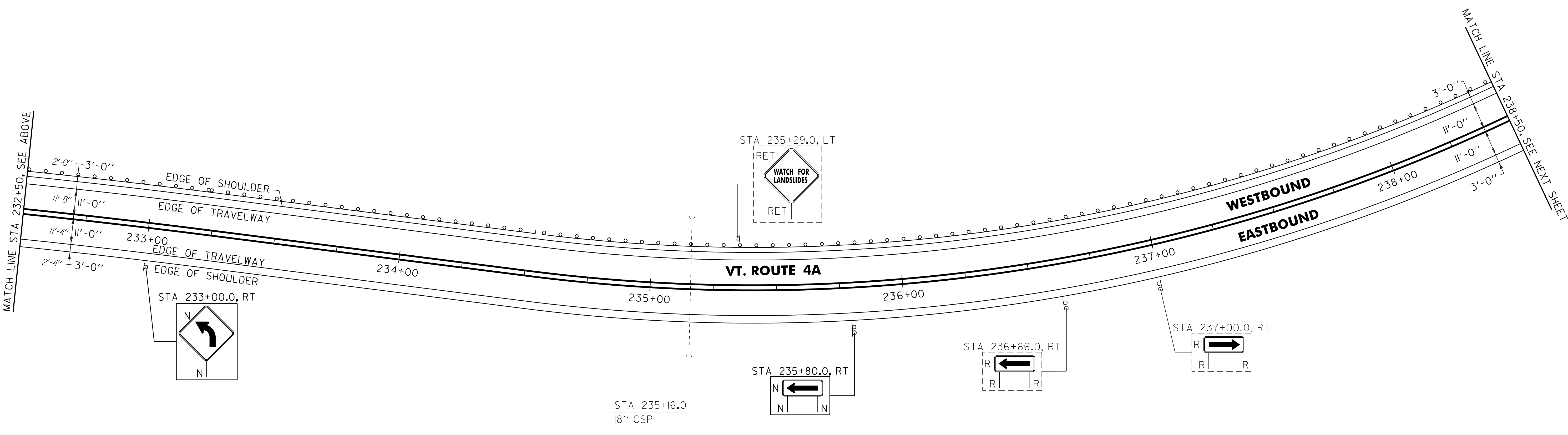
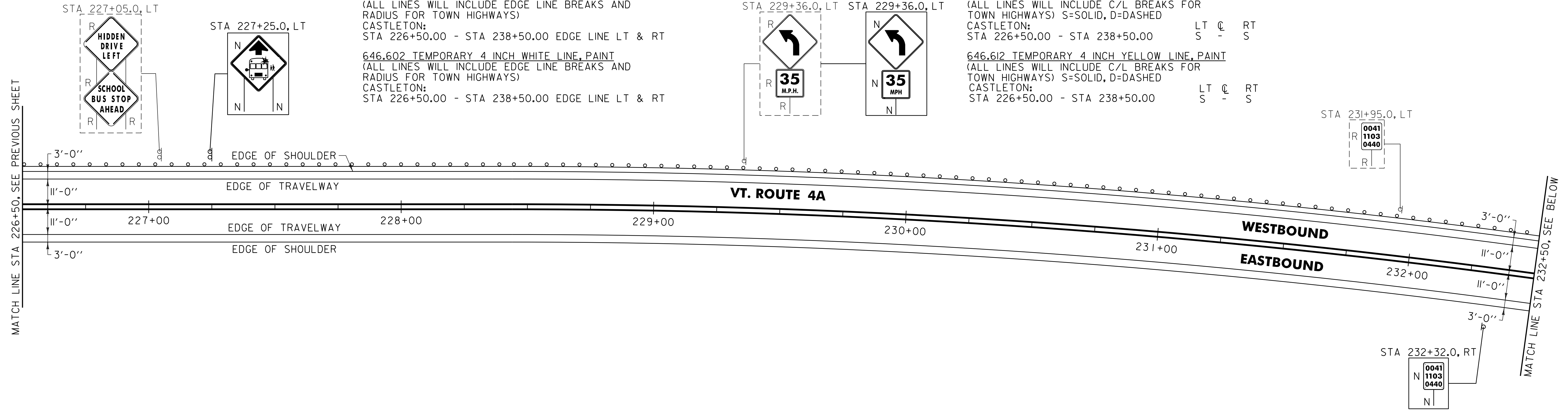


NO PAVING WORK
 TO BE PERFORMED
 IN THIS AREA

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 CASTLETON:
 STA 224+72.0 - STA 226+50.0 LT (178.0 LF)
 621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 224+72.0 - STA 226+50.0 LT (178.0 LF)

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

PROJECT LAYOUT SHEET #3	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68i03.i	SHEET 24 OF 152	



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

PROJECT LAYOUT SHEET #4	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 25 OF 152
	IPARM FILE: p07cl68i04.i	

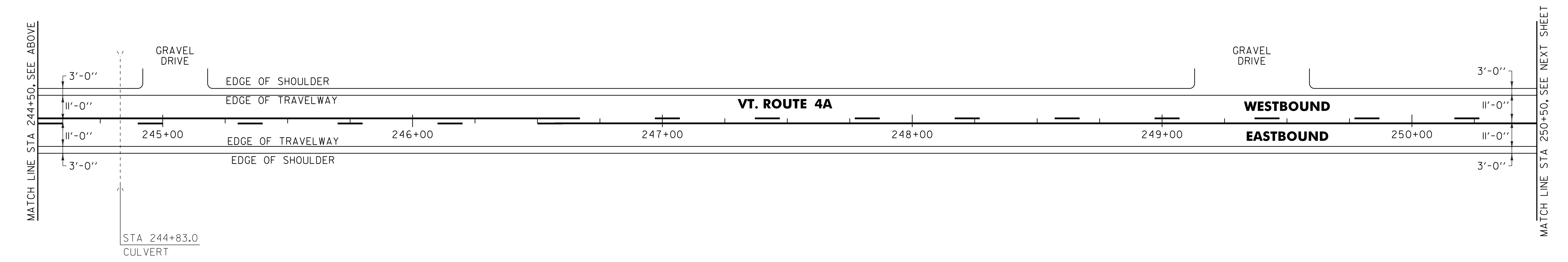
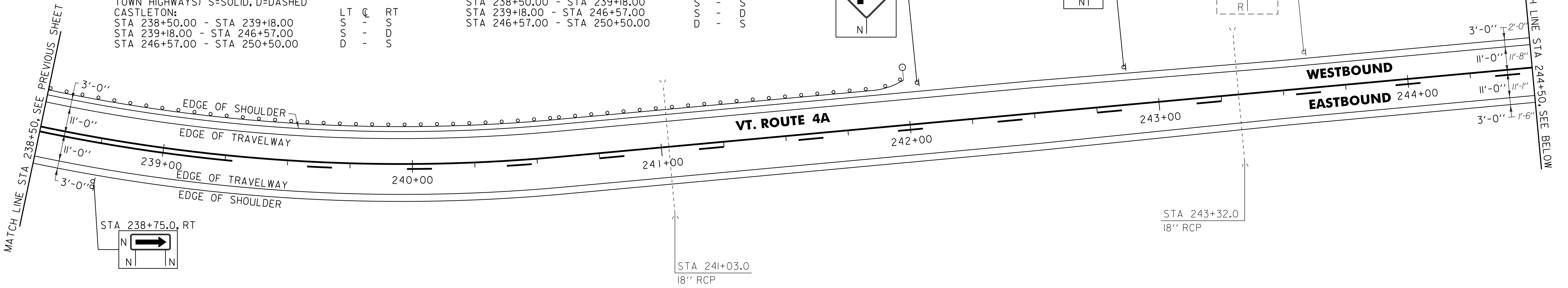
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
CASTLETON:
STA 238+50.00 - STA 250+50.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
CASTLETON:
STA 238+50.00 - STA 250+50.00 EDGE LINE 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/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
CASTLETON:
STA 238+50.00 - STA 239+18.00 S - S
STA 239+18.00 - STA 246+57.00 S - D
STA 246+57.00 - STA 250+50.00 D - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
CASTLETON:
STA 238+50.00 - STA 239+18.00 S - S
STA 239+18.00 - STA 246+57.00 S - D
STA 246+57.00 - STA 250+50.00 D - S

LT C RT
S - S
S - D
D - S



621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
CASTLETON:
STA 238+50.0 - STA 241+99.0 LT (349.0 LF)
621.60 ANCHOR FOR STEEL BEAM RAIL
CASTLETON:
STA 241+92.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
CASTLETON:
STA 238+50.0 - STA 241+90.0 LT (340.0 LF)
676.10 DELINEATOR WITH STEEL POST
CASTLETON:
STA 241+99.0 LT

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

NOT TO SCALE

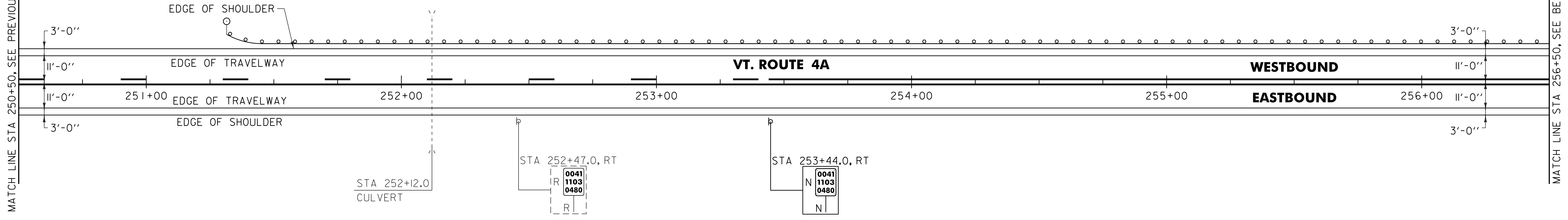
PROJECT LAYOUT SHEET #5	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i05.i	SHEET 26 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 250+50.00 - STA 262+50.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 250+50.00 - STA 253+44.00 LT C RT
 STA 253+44.00 - STA 262+50.00 D - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 250+50.00 - STA 262+50.00 EDGE LINE LT & RT
 646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 250+50.00 - STA 253+44.00 LT C RT
 STA 253+44.00 - STA 262+50.00 D - S

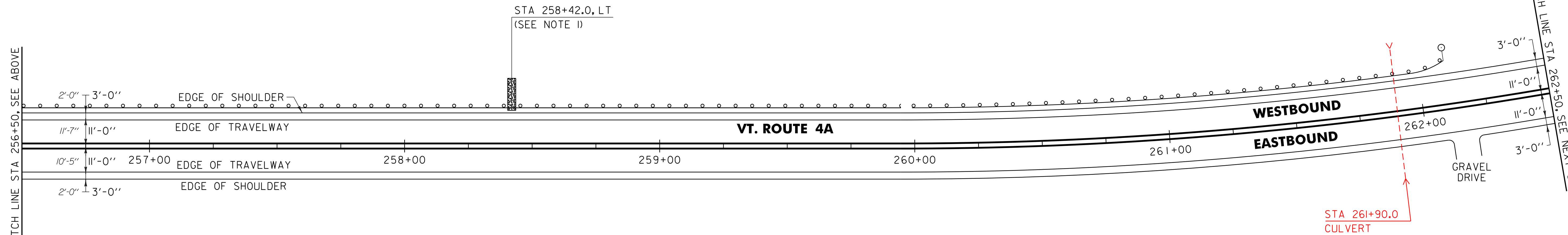
MATCH LINE STA 250+50.00, SEE PREVIOUS SHEET

MATCH LINE STA 256+50.00, SEE BELOW



MATCH LINE STA 256+50.00, SEE ABOVE

MATCH LINE STA 262+50.00, SEE NEXT SHEET



613.10 STONE FILL, TYPE I
 CASTLETON:
 STA 258+42.0 LT (2.0 CY)

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 CASTLETON:
 STA 251+31.5 - STA 262+10.5 LT (1079.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 251+38.0 LT
 STA 262+04.0 LT

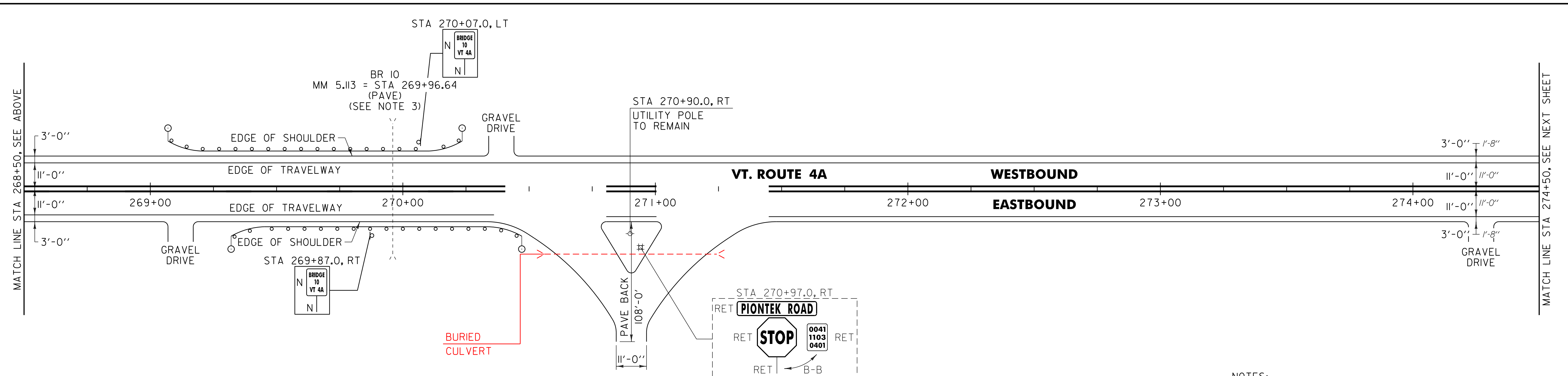
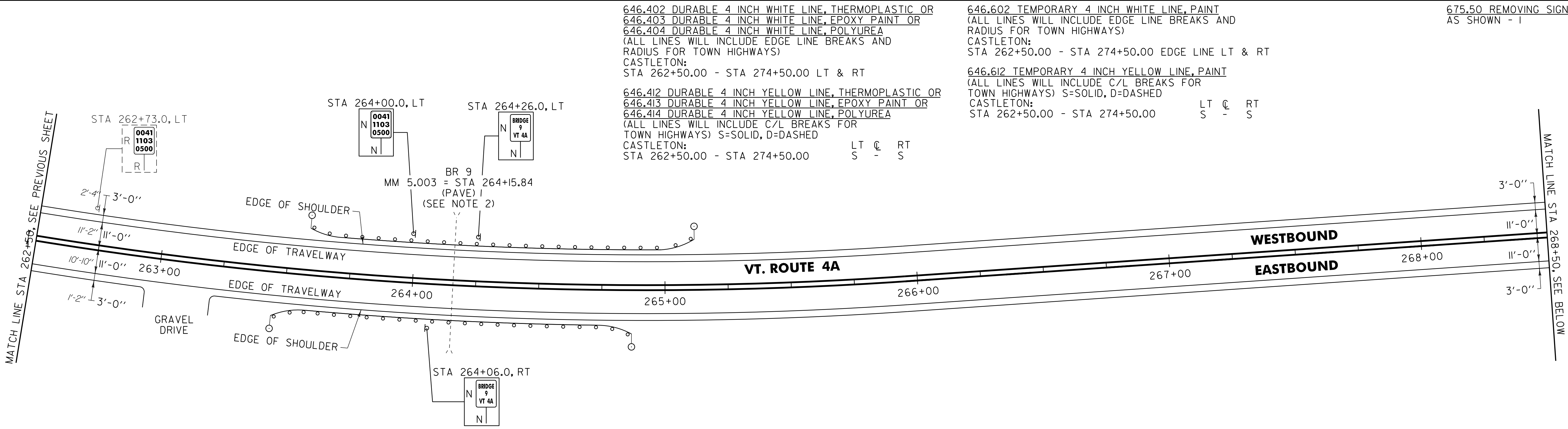
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 251+37.0 - STA 262+05.0, LT (1068.0 LF)

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 251+31.5 LT
 STA 262+10.5 LT

NOTE:
 1. AN ESTIMATED QUANTITY OF ITEM 613.10 STONE FILL, TYPE I HAS BEEN INCLUDED FOR THE REPAIR OF THE EXISTING SLOPE BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER.

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

PROJECT LAYOUT SHEET #6	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68106.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 27 OF 152



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 263+45.3 - STA 263+72.3 RT (27.0 LF)
 STA 263+57.8 - STA 263+72.3 LT (14.5 LF)
 STA 264+59.8 - STA 264+86.8 RT (27.0 LF)
 STA 264+59.8 - STA 265+11.8 LT (52.0 LF)
 STA 269+07.0 - STA 269+84.0 LT (77.0 LF)
 STA 269+32.0 - STA 269+84.0 RT (52.0 LF)
 STA 270+09.0 - STA 270+23.5 LT (14.5 LF)
 STA 270+09.0 - STA 270+48.5 RT (39.5 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 263+51.8 RT
 STA 263+64.3 LT
 STA 264+80.3 RT
 STA 265+05.3 LT
 STA 269+13.5 LT
 STA 269+38.5 RT
 STA 270+17.0 LT
 STA 270+42.0 RT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 263+45.3 RT
 STA 263+57.8 LT
 STA 264+86.8 RT
 STA 265+11.8 LT
 STA 269+07.0 LT
 STA 269+32.0 RT
 STA 270+23.5 LT
 STA 270+48.5 RT

621.216 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
 CASTLETON:
 STA 263+72.3 - STA 264+59.8 RT (87.5 LF)
 STA 263+72.3 - STA 264+59.8 LT (87.5 LF)
 STA 269+84.0 - STA 270+09.0 LT (25.0 LF)
 STA 269+84.0 - STA 270+09.0 RT (25.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 263+56.0 - STA 264+80.0 RT (124.0 LF)
 STA 263+67.0 - STA 265+04.0 LT (137.0 LF)
 STA 269+18.0 - STA 270+15.0 LT (97.0 LF)
 STA 269+29.0 - STA 270+39.0 RT (110.0 LF)

- NOTES:
- PAVE BACK 108 FT FROM VT. ROUTE 4A EDGE OF SHOULDER TO THE EXISTING BRIDGE ON PIONTEK ROAD OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - SEE SHEET 9 FOR DOUBLE-NESTED GUARDRAIL SYSTEM.
 - SEE SHEET 10 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.

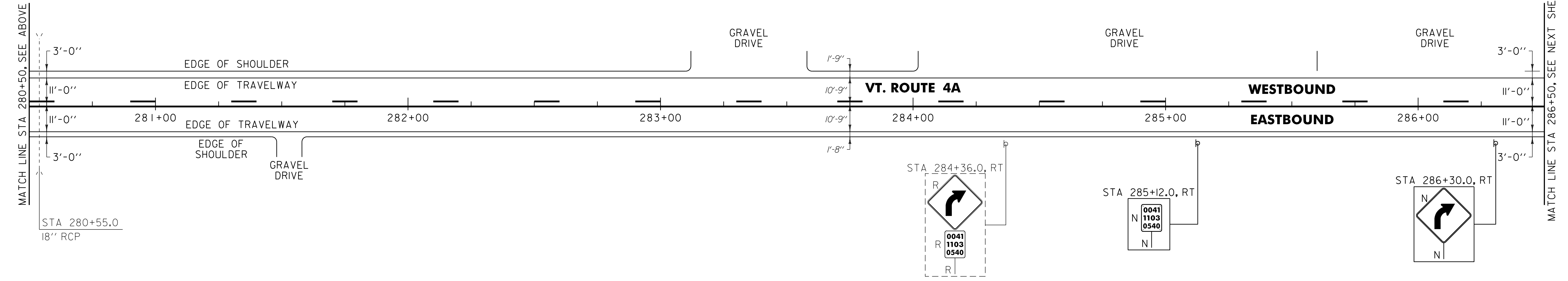
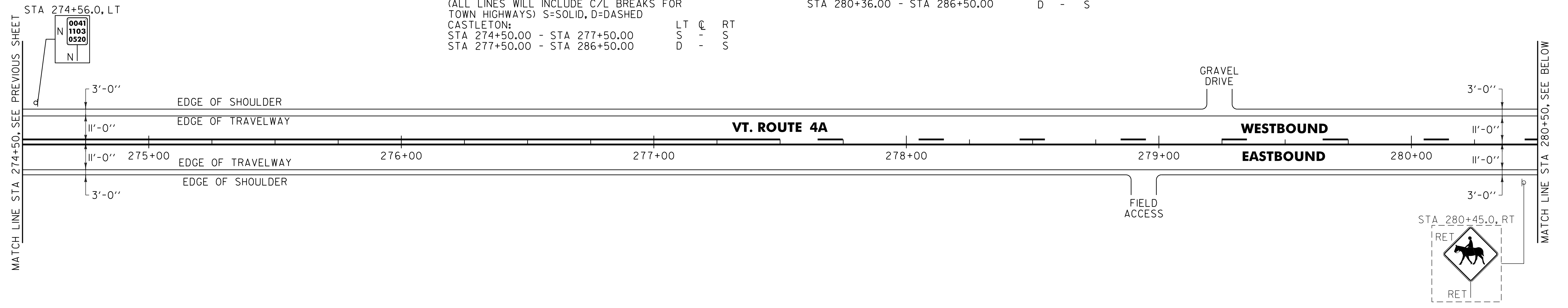
SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____

NOT TO SCALE

PROJECT LAYOUT SHEET #7	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 28 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 274+50.00 - STA 286+50.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 274+50.00 - STA 277+50.00 S - S
 STA 277+50.00 - STA 286+50.00 D - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 274+50.00 - STA 286+50.00 EDGE LINE LT & RT
 646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 274+50.00 - STA 280+36.00 LT C RT S - S
 STA 280+36.00 - STA 286+50.00 D - S



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

NOT TO SCALE

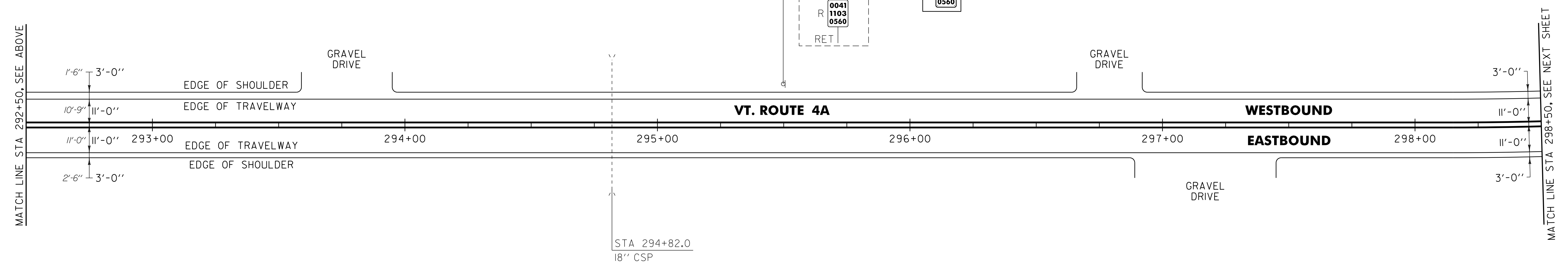
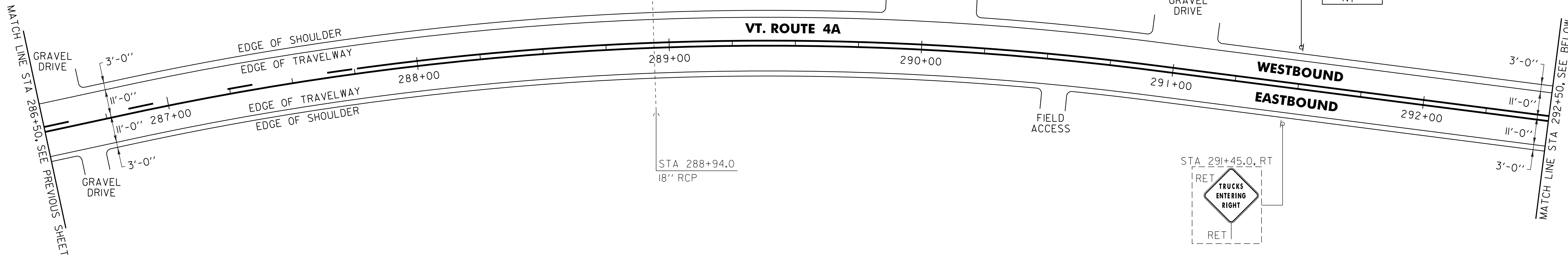
PROJECT LAYOUT SHEET #8	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	CHECKED BY: D.E.G.
	SHEET 29 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 286+50.00 - STA 298+50.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 286+50.00 - STA 287+76.00 LT C RT
 STA 287+76.00 - STA 298+50.00 D - S
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 286+50.00 - STA 298+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 286+50.00 - STA 287+76.00 LT C RT
 STA 287+76.00 - STA 298+50.00 D - S
 S - S



NOTE:
 1. THE NEW MILE MARKER SIGN IS TO BE INSTALLED ON THE EXISTING SIGN POST.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #9	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68i09.i
	SHEET 30 OF 152

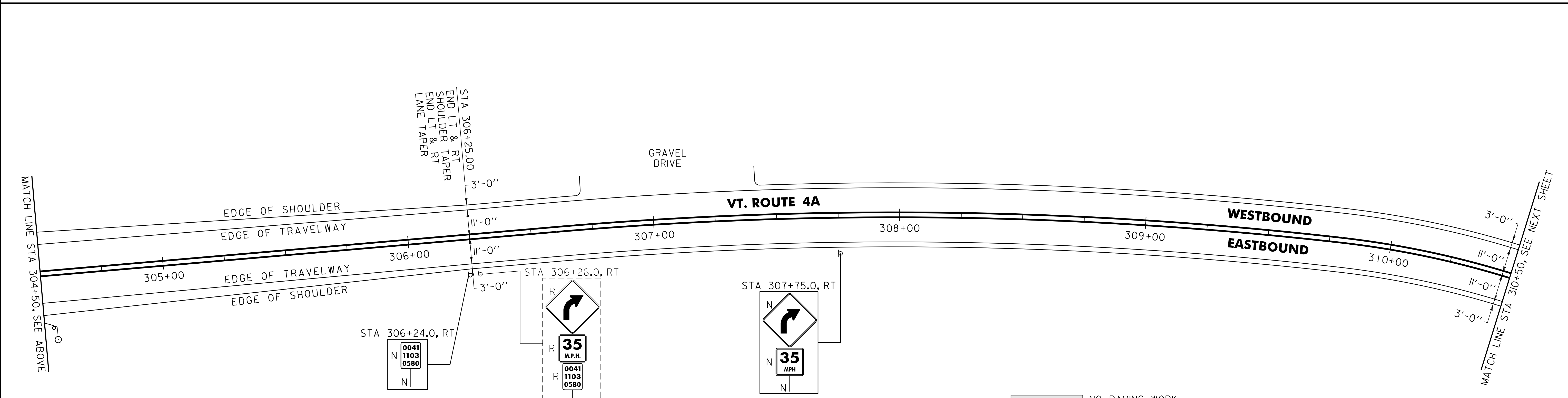
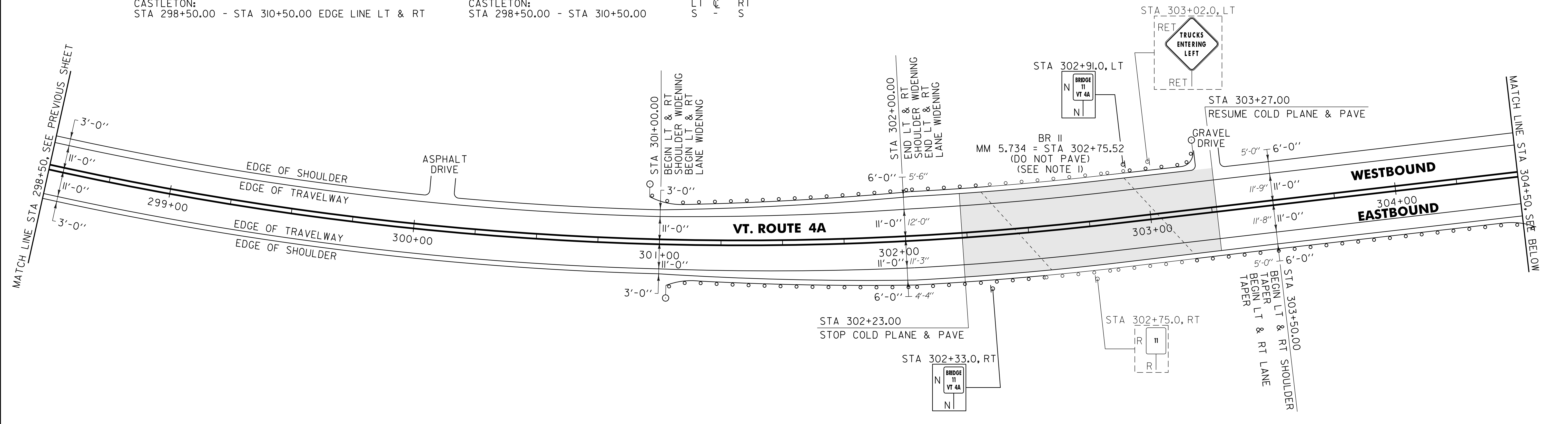
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 298+50.00 - STA 310+50.00 EDGE LINE LT & RT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 298+50.00 - STA 310+50.00 LT ☐ RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 298+50.00 - STA 310+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 298+50.00 - STA 310+50.00 LT ☐ RT
 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 4



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 300+95.5 - STA 301+85.0 LT (89.5 LF)
 STA 301+03.0 - STA 302+05.0 RT (102.0 LF)
 STA 303+05.5 - STA 303+20.0 LT (14.5 LF)
 STA 303+66.0 - STA 304+55.5 RT (89.5 LF)

621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I
 CASTLETON:
 STA 301+85.0 - STA 302+35.0 LT
 STA 302+05.0 - STA 302+55.0 RT
 STA 303+16.0 - STA 303+66.0 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 300+97.0 - STA 302+35.0 LT (138.0 LF)
 STA 301+03.0 - STA 302+55.0 RT (152.0 LF)
 STA 302+93.0 - STA 303+14.0 LT (21.0 LF)
 STA 303+16.0 - STA 304+45.0 RT (129.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 301+02.0 LT
 STA 301+09.5 RT
 STA 303+13.5 LT
 STA 304+49.0 RT

621.71 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II
 CASTLETON:
 STA 302+93.0 - STA 303+05.5 LT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 300+95.5 LT
 STA 301+03.0 RT
 STA 303+20.0 LT
 STA 304+55.5 RT

NO PAVING WORK TO BE PERFORMED IN THIS AREA

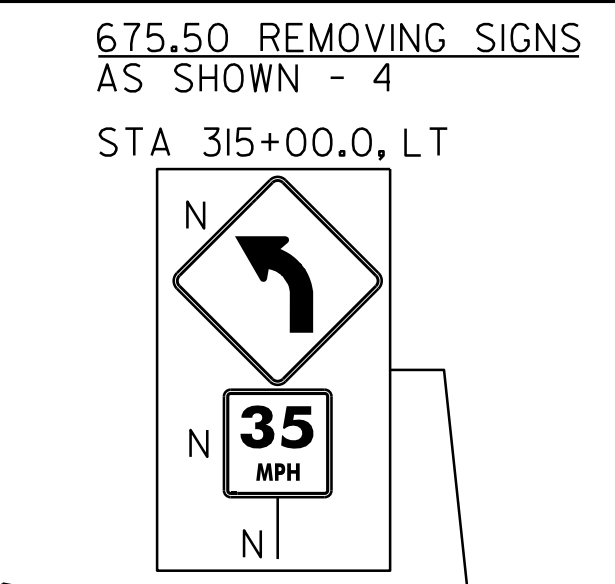
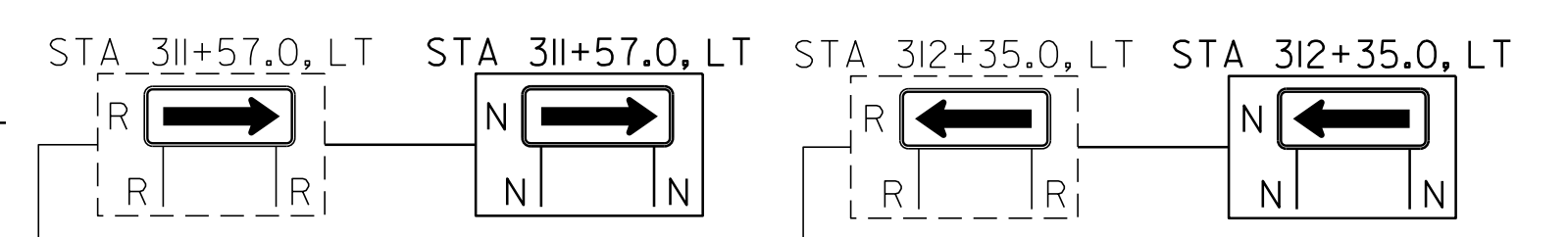
SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____

NOTE:
 I. SEE SHEET 83 FOR BR II DETAILS.

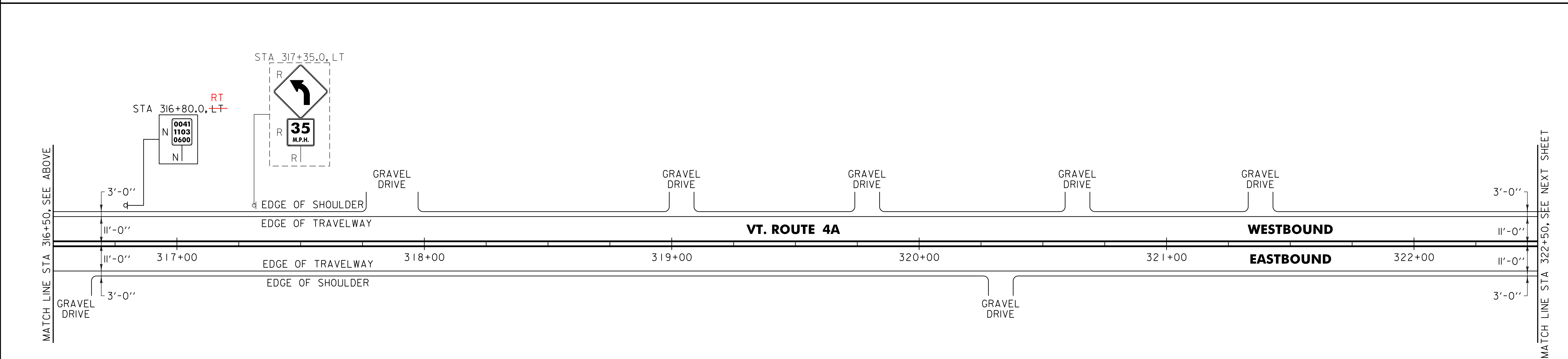
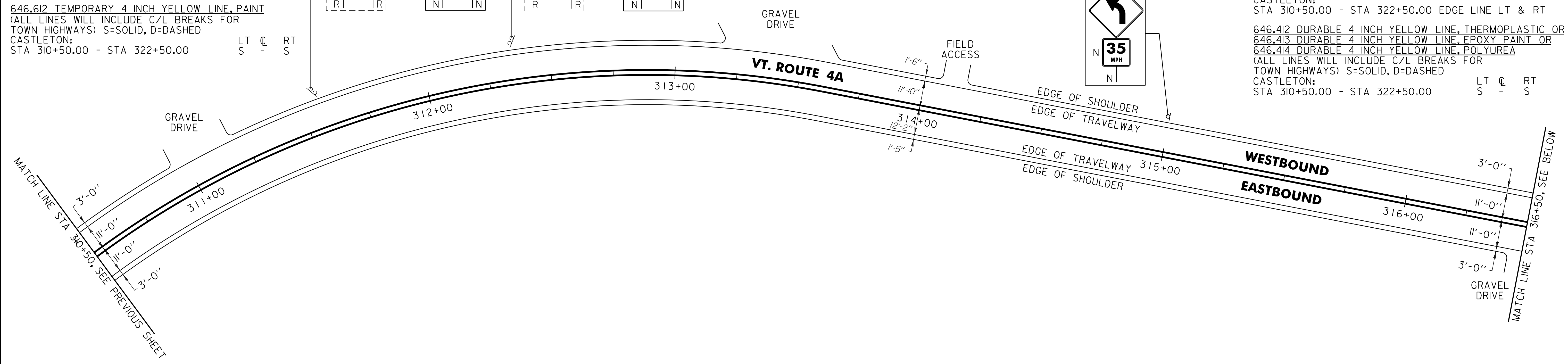
NOT TO SCALE

PROJECT LAYOUT SHEET #10	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 31 OF 152

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 310+50.00 - STA 322+50.00 EDGE LINE LT & RT
 646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 310+50.00 - STA 322+50.00



646.403 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.404 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 TOWN HIGHWAYS)
 CASTLETON:
 STA 310+50.00 - STA 322+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 310+50.00 - STA 322+50.00



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

NOT TO SCALE

PROJECT LAYOUT SHEET #11	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68III.i
	SHEET 32 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 322+50.00 - STA 331+50.00 EDGE LINE LT & RT

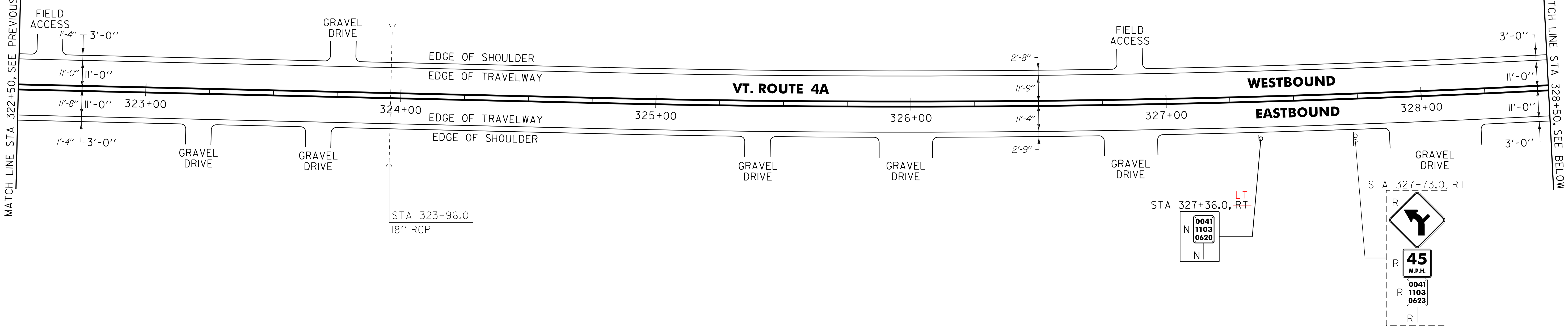
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 322+50.00 - STA 331+50.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 322+50.00 - STA 331+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 322+50.00 - STA 331+50.00 LT C RT
 S - S

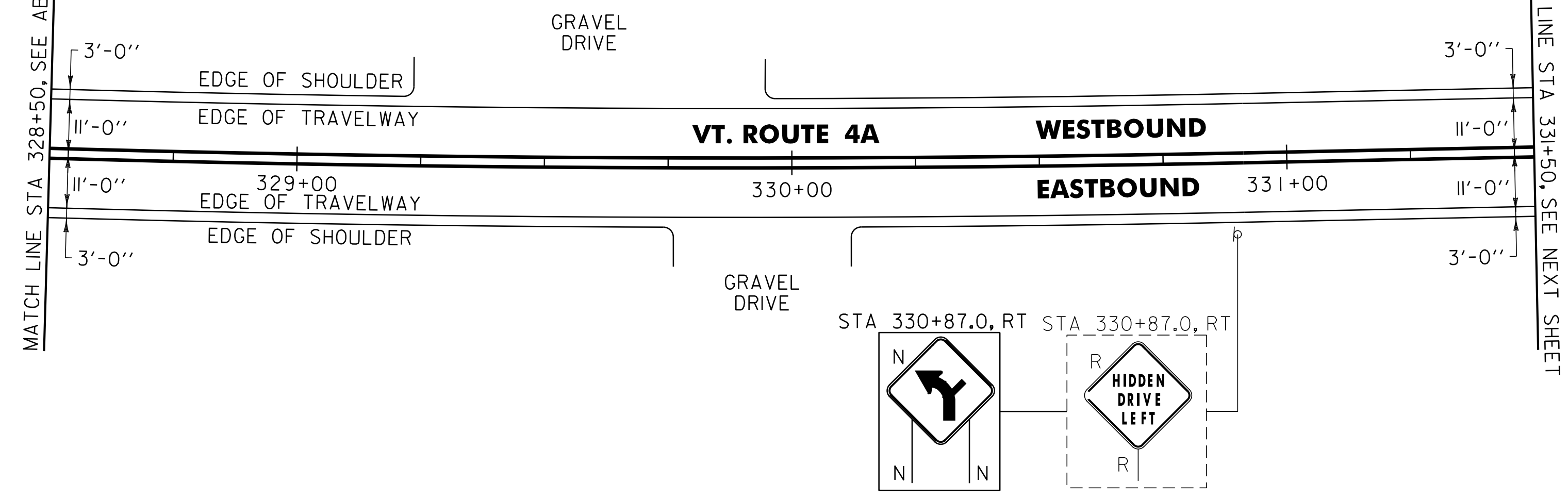
MATCH LINE STA 322+50. SEE PREVIOUS SHEET

MATCH LINE STA 328+50. SEE BELOW



MATCH LINE STA 328+50. SEE ABOVE

MATCH LINE STA 331+50. SEE NEXT SHEET



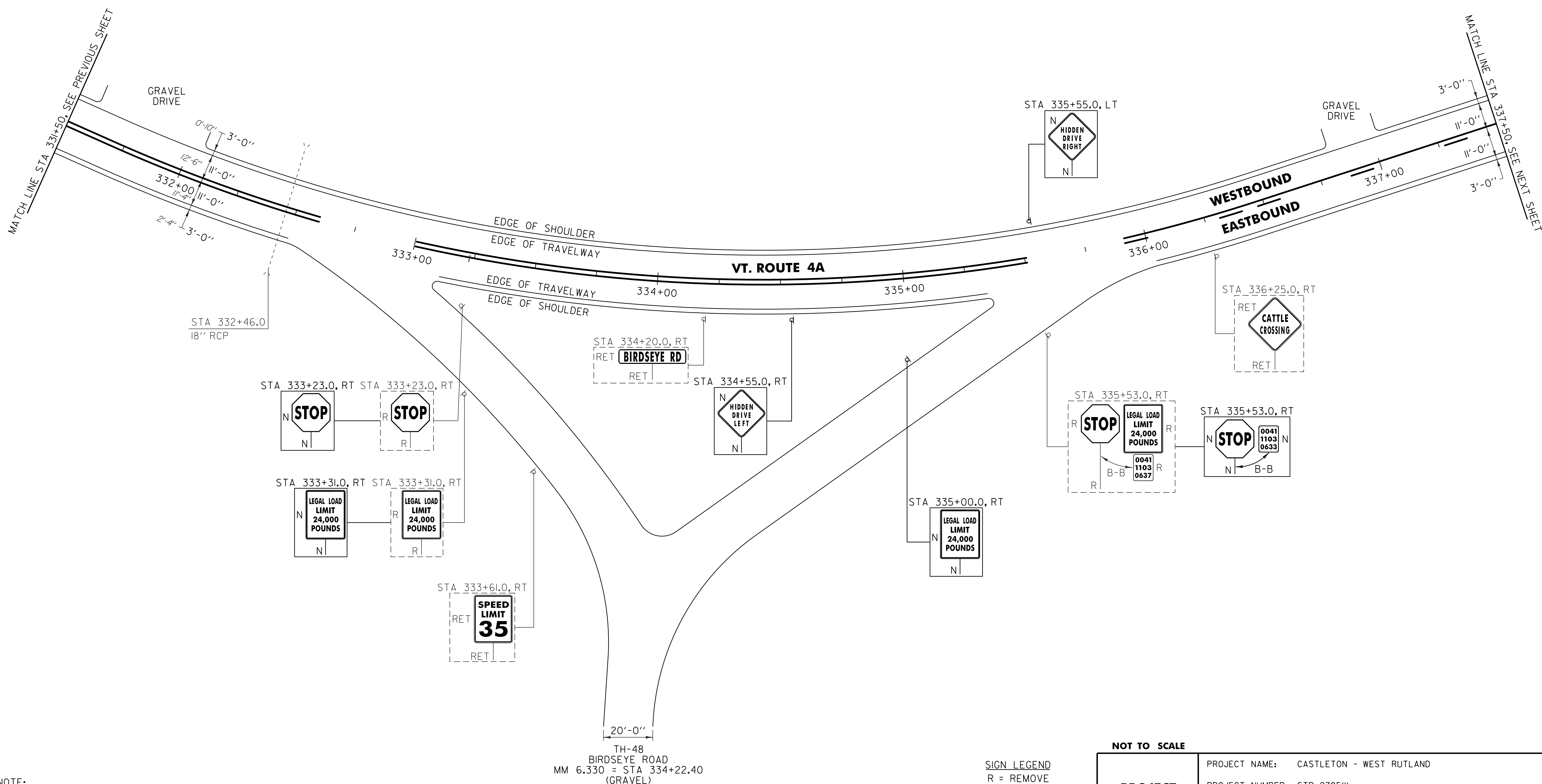
SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____

NOT TO SCALE

PROJECT LAYOUT SHEET #12	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68i12.i
	SHEET 33 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 331+50.00 - STA 337+50.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 331+50.00 - STA 335+80.00 S - S
 STA 335+80.00 - STA 337+50.00 S - D

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 331+50.00 - STA 335+80.00 LT C RT S - S
 STA 335+80.00 - STA 337+50.00 S - D



NOTE:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 4A EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

TH-48
 BIRDSEYE ROAD
 MM 6.330 = STA 334+22.40
 (GRAVEL)

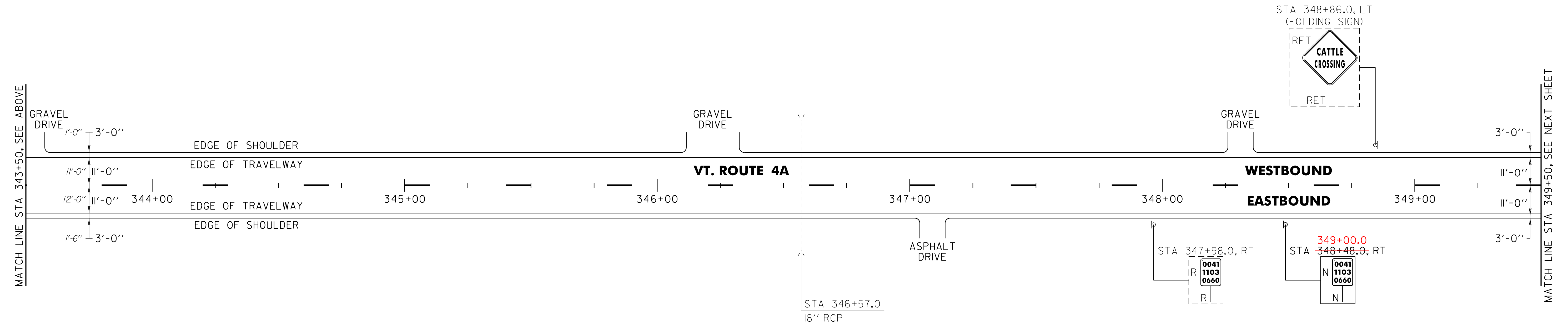
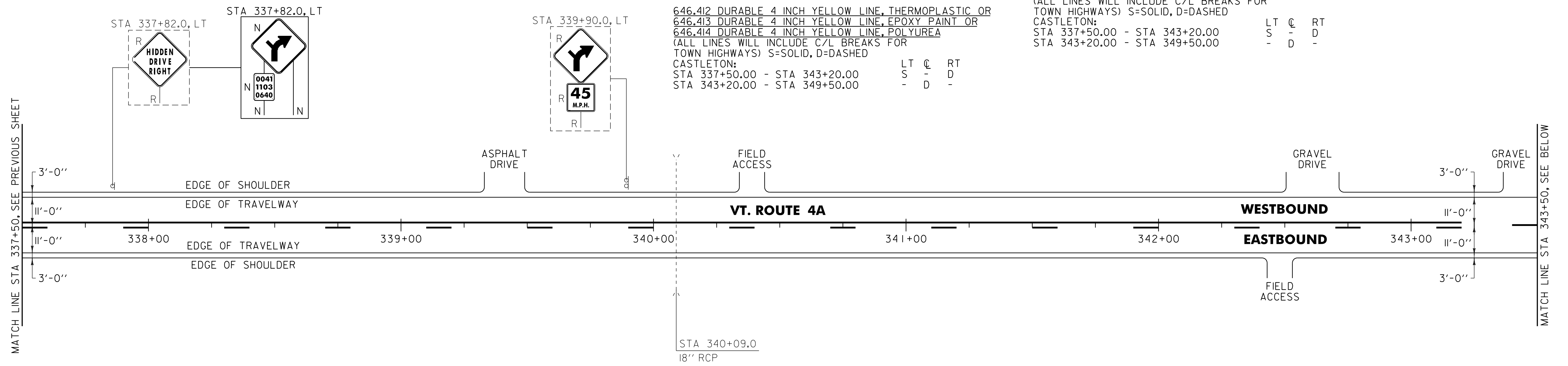
SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____

NOT TO SCALE

PROJECT LAYOUT SHEET #13	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 34 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 337+50.00 - STA 349+50.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 337+50.00 - STA 343+20.00 LT C RT
 STA 343+20.00 - STA 349+50.00 S - D -

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 337+50.00 - STA 343+20.00 LT C RT
 STA 343+20.00 - STA 349+50.00 S - D -



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

NOT TO SCALE

PROJECT LAYOUT SHEET #14	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DESIGNED BY: M.J.M.
	IPARM FILE: p07cl68i4.i
	DRAWN BY: W.G.P.
	CHECKED BY: D.E.G.
	SHEET 35 OF 152

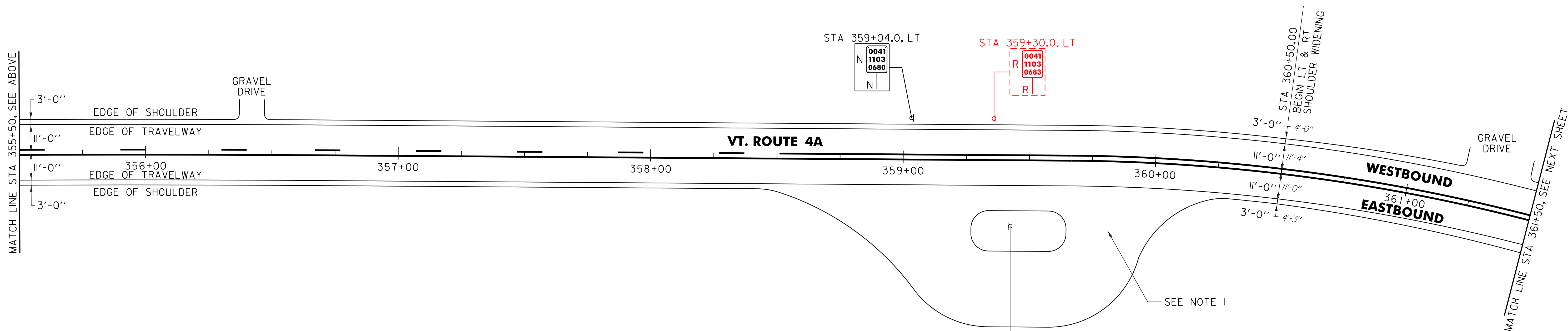
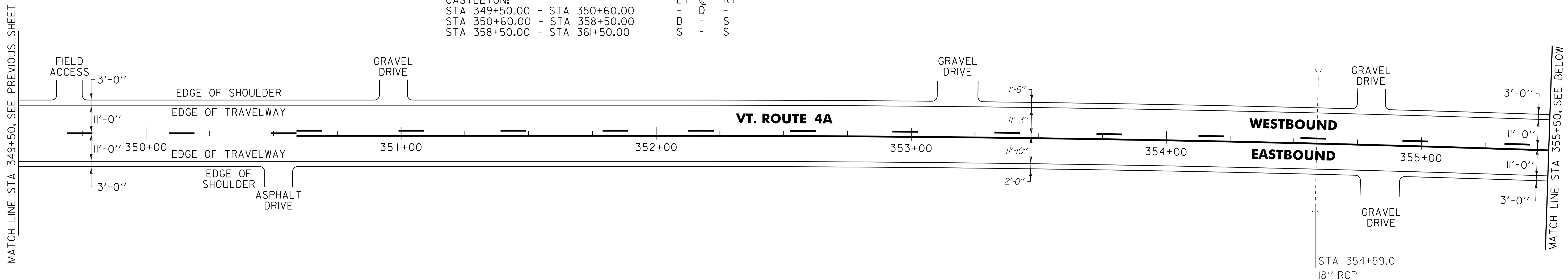
646.402 TEMPORARY 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 349+50.00 - STA 361+50.00 EDGE LINE LT & RT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 349+50.00 - STA 350+60.00 LT C RT
 - D -
 STA 350+60.00 - STA 358+50.00 D - S
 STA 358+50.00 - STA 361+50.00 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 349+50.00 - STA 361+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 349+50.00 - STA 350+60.00 LT C RT
 - D -
 STA 350+60.00 - STA 358+50.00 D - S
 STA 358+50.00 - STA 361+50.00 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 1



NOTE:
 1. PROVIDE A 4 FT WIDE, 1/2" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.



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

NOT TO SCALE

PROJECT LAYOUT SHEET #15

PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
PROJECT LEADER: D.E.G.	SHEET 36 OF 152
DESIGNED BY: M.J.M.	
IPARM FILE: p07cl68i15.i	

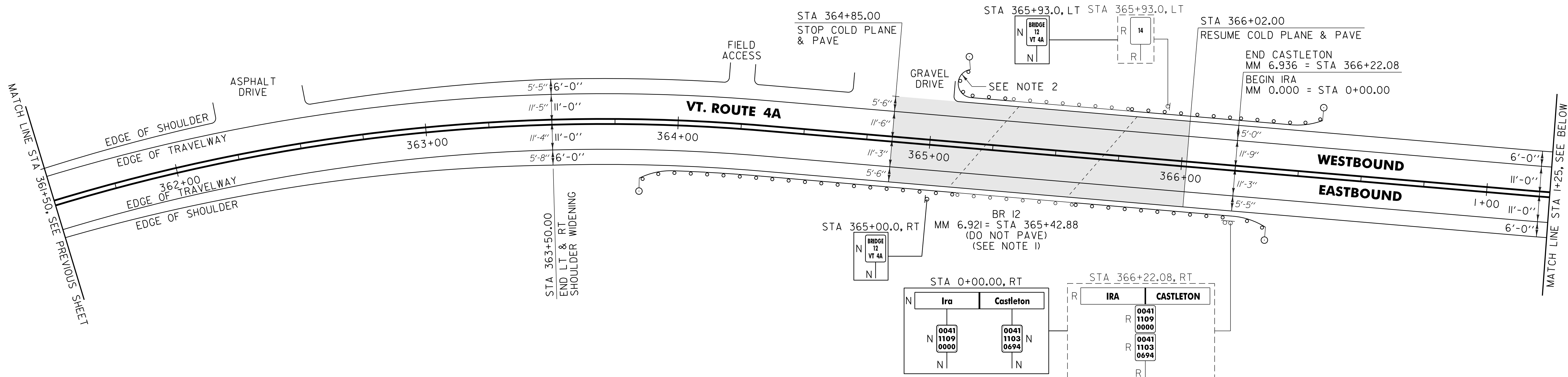
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 361+50.00 - STA 366+22.08 EDGE LINE LT & RT
 IRA:
 STA 0+00.00 - STA 7+25.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 361+50.00 - STA 366+22.08 EDGE LINE LT & RT
 IRA:
 STA 0+00.00 - STA 7+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 361+50.00 - STA 366+22.08 LT C RT
 S - S
 IRA:
 STA 0+00.00 - STA 7+25.00 S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 361+50.00 - STA 366+22.08 LT C RT
 S - S
 IRA:
 STA 0+00.00 - STA 7+25.00 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 6



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 363+85.0 - STA 364+62.0 RT (77.0 LF)
 STA 365+18.5 - STA 365+18.5 LT (16.0 LF)
 STA 366+09.0 - STA 366+22.08 RT (13.08 LF)

621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I
 CASTLETON:
 STA 364+62.0 - STA 365+12.0 RT
 STA 365+59.0 - STA 366+09.0 RT
 STA 365+78.0 - STA 366+22.08 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 363+92.0 - STA 365+12.0 RT (120.0 LF)
 STA 365+18.5 - STA 365+31.0 LT (41.0 LF)
 STA 365+59.0 - STA 366+22.08 RT (63.08 LF)
 STA 365+78.0 - STA 366+22.08 LT (44.08 LF)

IRA:
 STA 0+00.0 - STA 0+13.92 RT (13.92 LF)
 STA 0+05.92 - STA 0+32.92 LT (27.0 LF)

IRA:
 STA 0+00.0 - STA 0+05.92 LT

IRA:
 STA 0+00.0 - STA 0+03.92 RT (3.92 LF)
 STA 0+00.0 - STA 0+23.92 LT (23.92 LF)

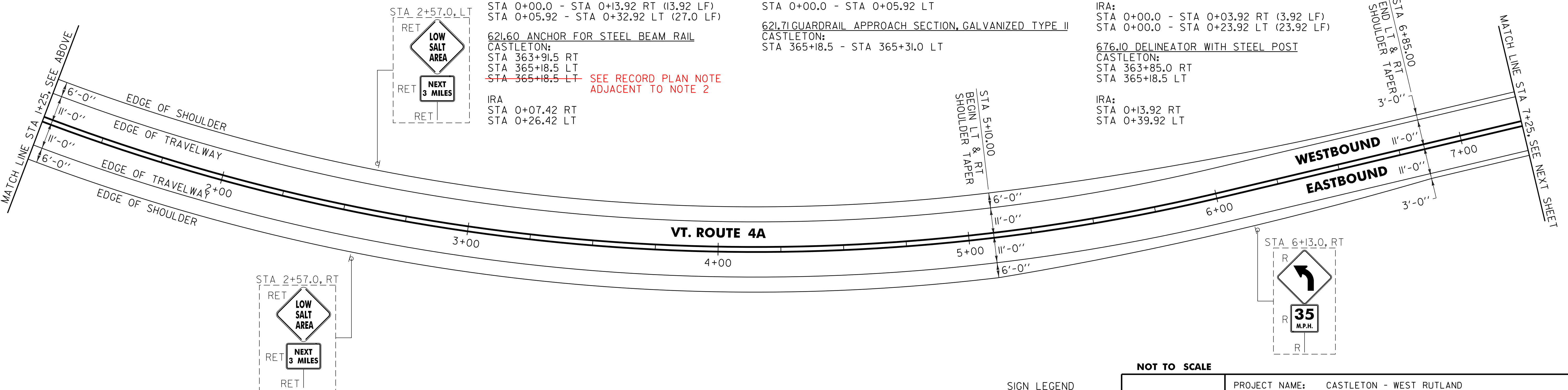
621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 363+91.5 RT
 STA 365+18.5 LT

621.71 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II
 CASTLETON:
 STA 365+18.5 - STA 365+31.0 LT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 363+85.0 RT
 STA 365+18.5 LT

IRA:
 STA 0+07.42 RT
 STA 0+26.42 LT

IRA:
 STA 0+13.92 RT
 STA 0+39.92 LT



NOTES:
 1. SEE SHEET 84 FOR BR 12 DETAILS.

2. THE CONTRACTOR SHALL INSTALL A NEW 16' ONLY ONE ANCHOR INSTALLED DUE TO INSUFFICIENT ROOM TO INSTALL TWO ANCHORS PER RE AS DIRECTED BY THE RESIDENT ENGINEER.

NO PAVING WORK TO BE PERFORMED IN THIS AREA

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

NOT TO SCALE

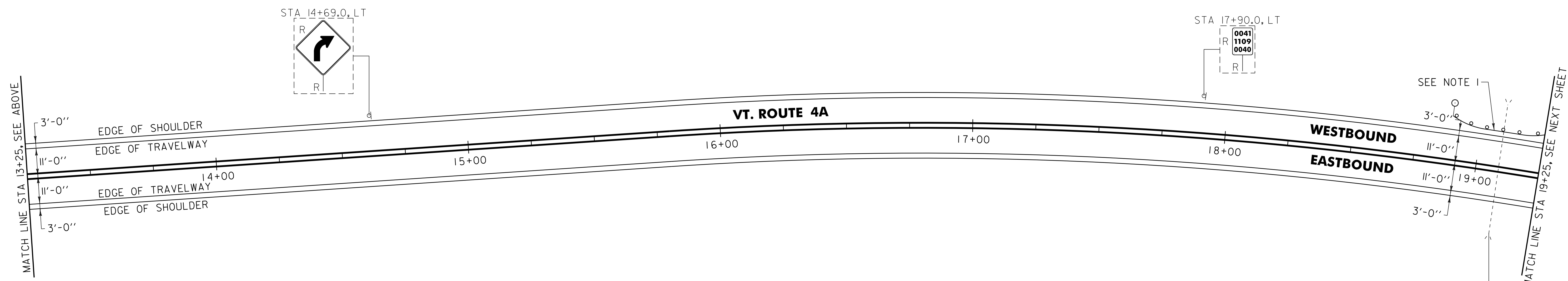
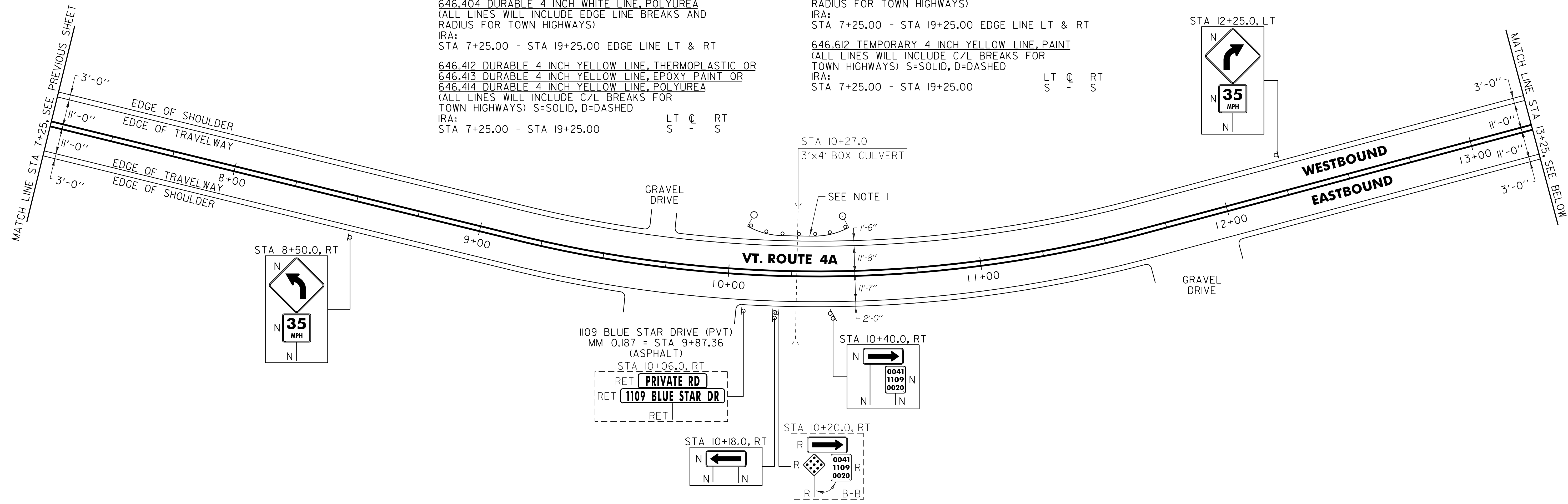
PROJECT LAYOUT SHEET #16	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 37 OF 152

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 TOWN HIGHWAYS)
 IRA:
 STA 7+25.00 - STA 19+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 7+25.00 - STA 19+25.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 IRA:
 STA 7+25.00 - STA 19+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 7+25.00 - STA 19+25.00



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 IRA:
 STA 10+09.4 - STA 10+50.9 LT (41.5 LF)
 STA 18+91.4 - STA 19+25.0 LT (33.6 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 IRA:
 STA 10+15.9 LT
 STA 10+44.4 LT
 STA 18+97.9 LT

676.10 DELINEATOR WITH STEEL POST
 IRA:
 STA 10+09.4 LT
 STA 10+50.9 LT
 STA 18+91.4 LT

NOTE:
 1. CONTRACTOR SHALL SPACE GUARDRAIL POSTS IN
 A MANNER THAT AVOIDS THE EXISTING CULVERT
 BELOW AS DIRECTED BY THE RESIDENT ENGINEER.

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

PROJECT LAYOUT SHEET #17	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68117.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 38 OF 152

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 TOWN HIGHWAYS)
 IRA:
 STA 19+25.00 - STA 31+25.00 EDGE LINE LT & RT

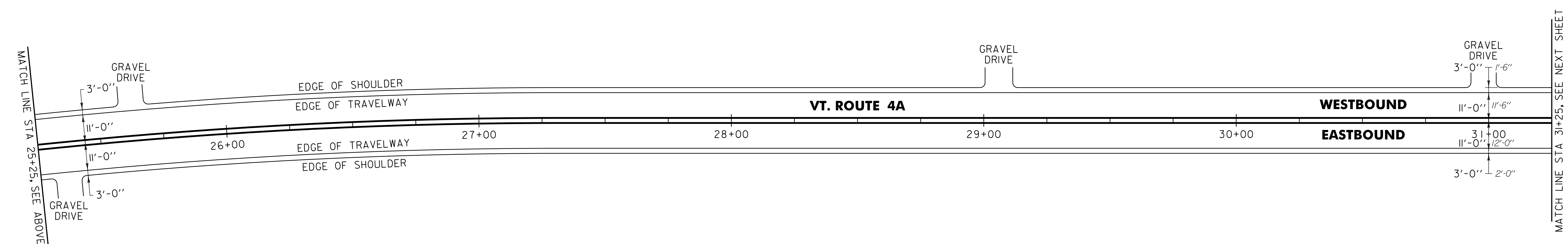
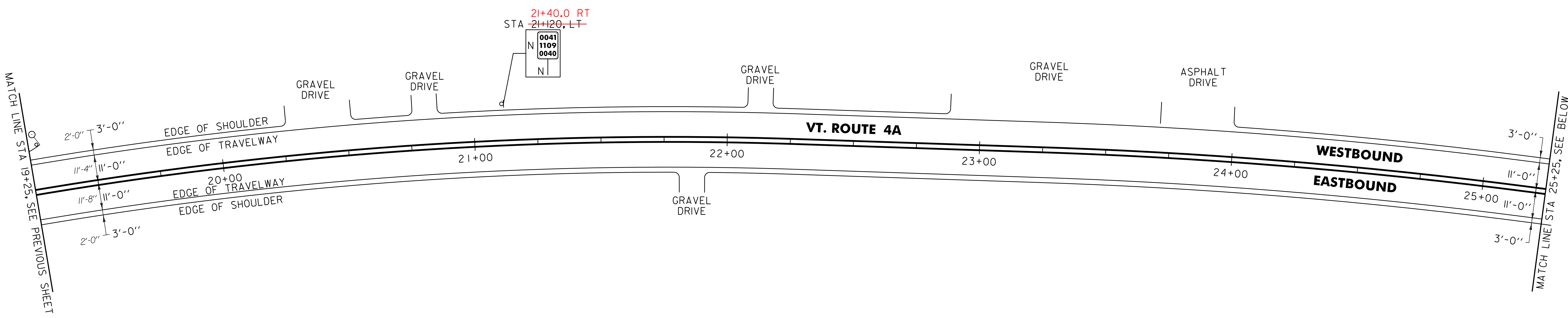
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 IRA:
 STA 19+25.00 - STA 31+25.00 EDGE LINE LT & RT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 19+25.00 - STA 31+25.00

LT C RT
 S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 19+25.00 - STA 31+25.00

LT C RT
 S - S



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 IRA:
 STA 19+25.0 - STA 19+32.9 LT (7.9 LF)
 621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 19+26.4 LT
 676.10 DELINEATOR WITH STEEL POST
 IRA:
 STA 19+32.9 LT

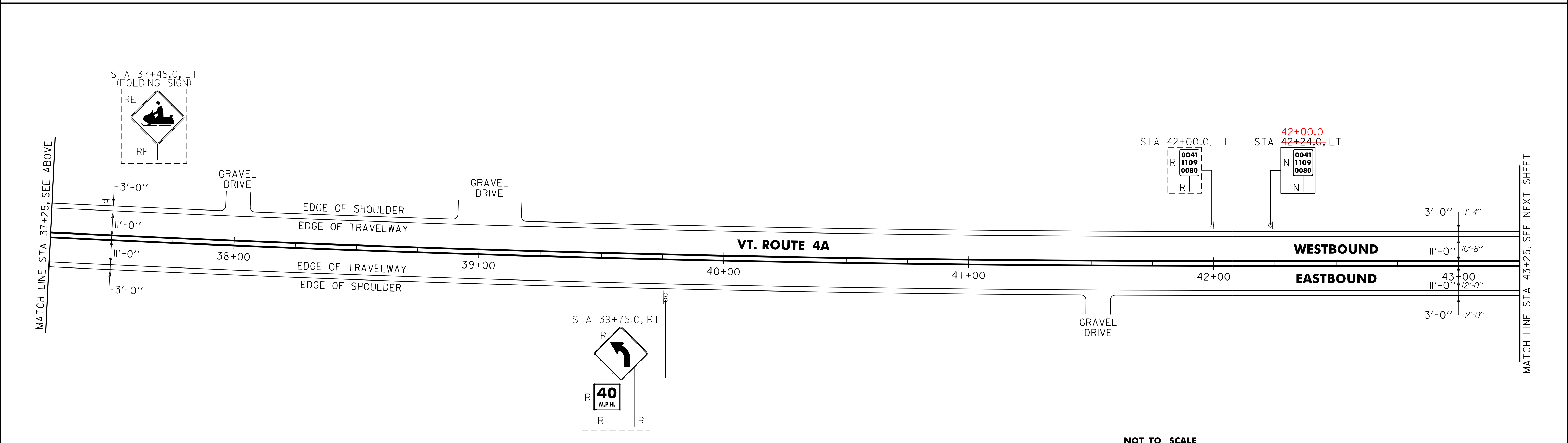
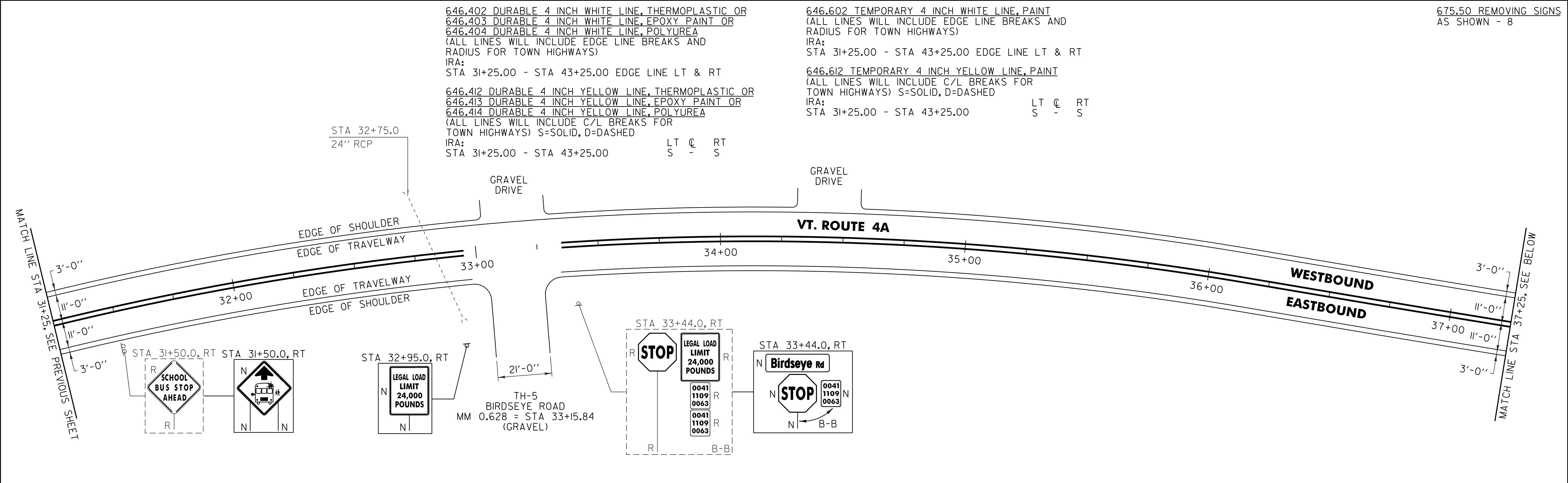
SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____

PROJECT LAYOUT SHEET #18	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i18.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 39 OF 152

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 TOWN HIGHWAYS)
 IRA:
 STA 31+25.00 - STA 43+25.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 31+25.00 - STA 43+25.00

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 31+25.00 - STA 43+25.00



NOTE:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 4A EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

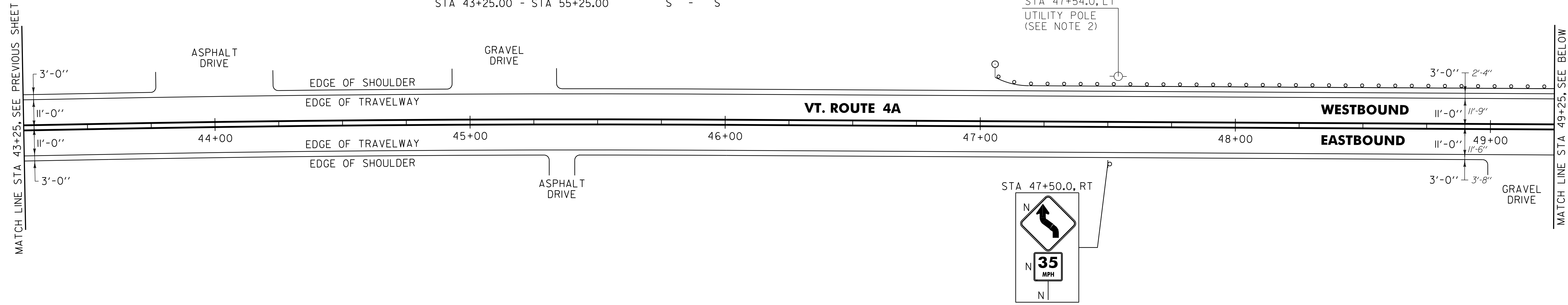
PROJECT LAYOUT SHEET #19	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DESIGNED BY: M.J.M.
	IPARM FILE: p07cl68i19.i
	DRAWN BY: W.G.P.
	CHECKED BY: D.E.G.
	SHEET 40 OF 152

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 TOWN HIGHWAYS)
 IRA:
 STA 43+25.00 - STA 55+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 43+25.00 - STA 55+25.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 IRA:
 STA 43+25.00 - STA 55+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 IRA:
 STA 43+25.00 - STA 55+25.00 LT C RT
 S - S



62L20 STEEL BEAM GUARDRAIL, GALVANIZED
 IRA:
 STA 49+68.3 - STA 50+20.3 RT (52.0 LF)
 STA 51+07.8 - STA 51+47.3 RT (39.5 LF)

62L205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 IRA:
 STA 47+05.8 - STA 50+20.3 LT (334.5 LF)
 STA 51+07.8 - STA 55+25.0 LT (417.2 LF)

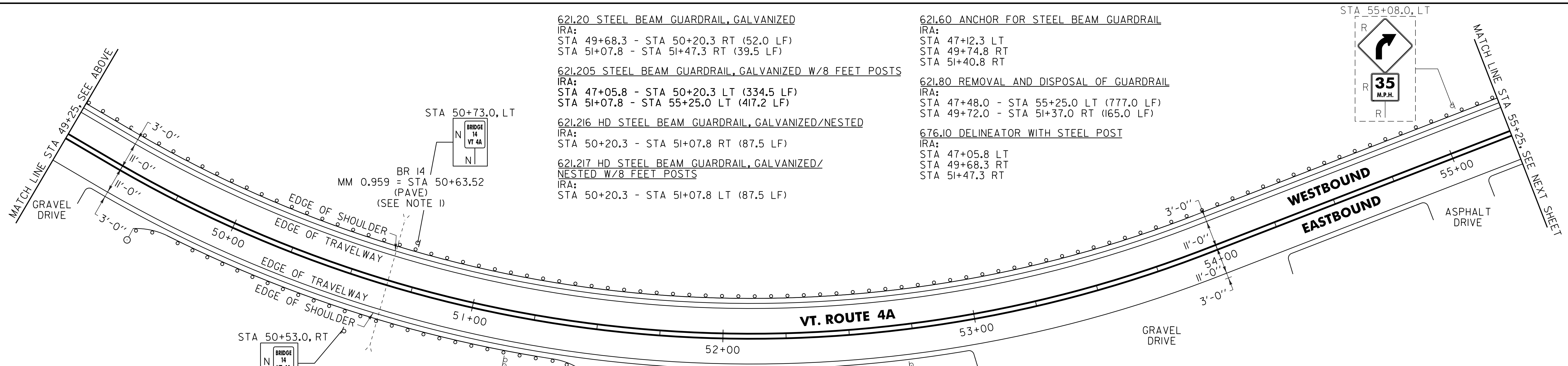
62L216 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
 IRA:
 STA 50+20.3 - STA 51+07.8 RT (87.5 LF)

62L217 HD STEEL BEAM GUARDRAIL, GALVANIZED/
 NESTED W/8 FEET POSTS
 IRA:
 STA 50+20.3 - STA 51+07.8 LT (87.5 LF)

62L60 ANCHOR FOR STEEL BEAM GUARDRAIL
 IRA:
 STA 47+12.3 LT
 STA 49+74.8 RT
 STA 51+40.8 RT

62L80 REMOVAL AND DISPOSAL OF GUARDRAIL
 IRA:
 STA 47+48.0 - STA 55+25.0 LT (777.0 LF)
 STA 49+72.0 - STA 51+37.0 RT (165.0 LF)

676.10 DELINEATOR WITH STEEL POST
 IRA:
 STA 47+05.8 LT
 STA 49+68.3 RT
 STA 51+47.3 RT



- NOTES:
- SEE SHEET 9 FOR DOUBLE-NESTED GUARDRAIL SYSTEM.
 - SEE SHEET 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.

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

PROJECT LAYOUT SHEET #20	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 41 OF 152
	IPARM FILE: p07cl68i20.i	

NOT TO SCALE

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 TOWN HIGHWAYS)
IRA:
STA 55+25.00 - STA 61+25.00 EDGE LINE LT & RT

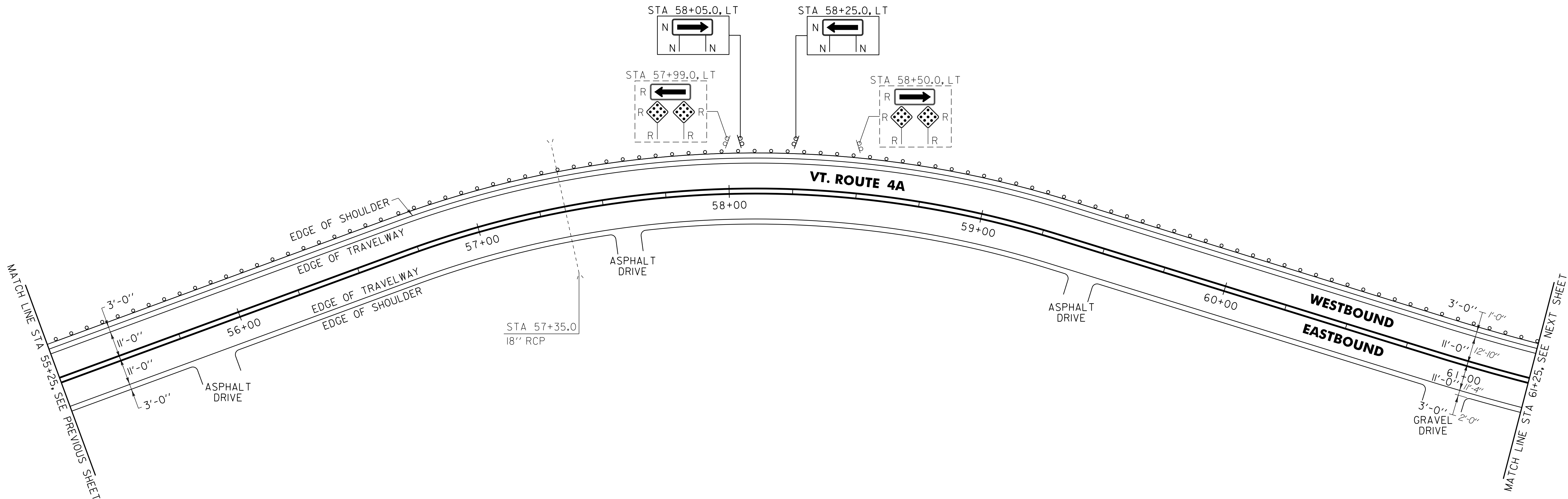
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
IRA:
STA 55+25.00 - STA 61+25.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
IRA:
STA 55+25.00 - STA 61+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
IRA:
STA 55+25.00 - STA 61+25.00

LT C RT
S - S

LT C RT
S - S



621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
IRA:
STA 55+25.0 - STA 61+25.0 LT (600.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
IRA:
STA 55+25.0 - STA 61+25.0 (600.0 LF)

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

PROJECT LAYOUT SHEET #21	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i21.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 42 OF 152

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 TOWN HIGHWAYS)

IRA:
 STA 61+25.00 - STA 68+69.28 EDGE LINE LT & RT

WEST RUTLAND:
 STA 0+00.00 - STA 4+25.00 EDGE LINE LT & RT
 STA 61+50.0, LT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

IRA:
 STA 61+25.00 - STA 67+05.00
 STA 67+05.00 - STA 68+69.28

WEST RUTLAND:
 STA 0+00.00 - STA 4+25.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

IRA:
 STA 61+25.00 - STA 68+69.28 EDGE LINE LT & RT

WEST RUTLAND:
 STA 0+00.00 - STA 4+25.00 EDGE LINE LT & RT

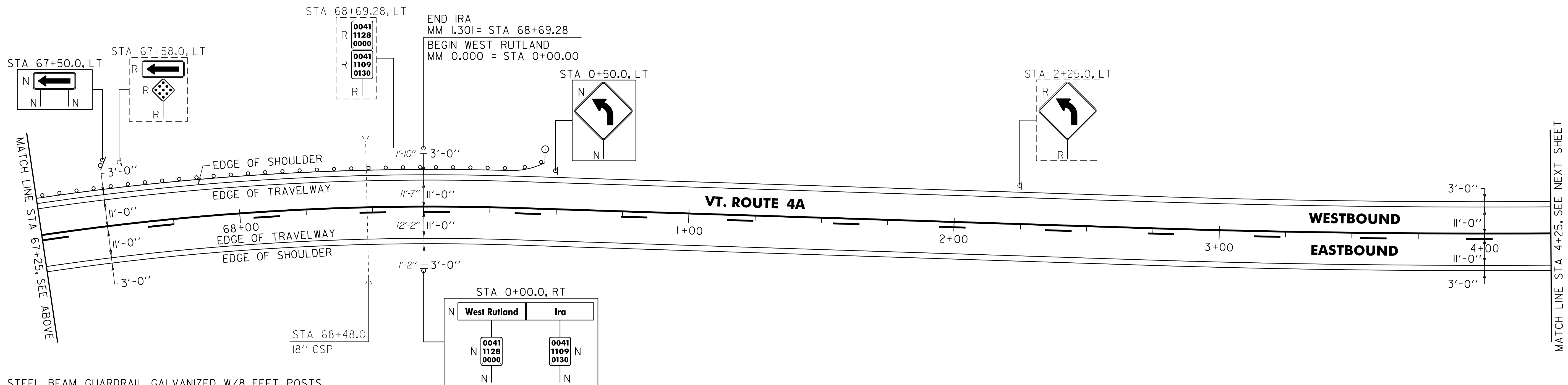
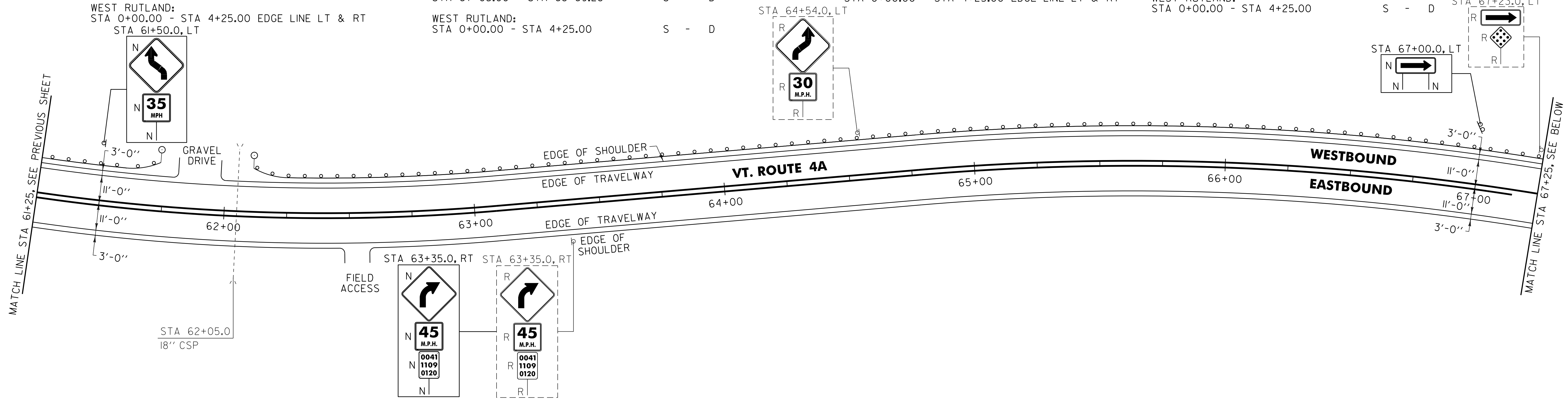
675.50 REMOVING SIGNS
 AS SHOWN - I2

IRA:
 STA 61+25.00 - STA 67+05.00
 STA 67+05.00 - STA 68+69.28

WEST RUTLAND:
 STA 0+00.00 - STA 4+25.00

MATCH LINE STA 61+25, SEE PREVIOUS SHEET

MATCH LINE STA 67+25, SEE BELOW



621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS

IRA:
 STA 61+25.0 - STA 61+84.8 LT (59.8 LF)
 STA 62+11.0 - STA 68+69.28 LT (658.28 LF)

WEST RUTLAND:
 STA 0+00.0 - 0+45.72 LT (45.72 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL

IRA:
 STA 61+78.3 LT
 STA 62+17.5 LT

WEST RUTLAND:
 STA 0+39.22 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

IRA:
 STA 61+25.0 - STA 61+79.0 LT (54.0 LF)
 STA 62+11.0 - STA 68+69.28 LT (658.28 LF)

WEST RUTLAND:
 STA 0+00.0 - STA 0+34.72 LT (34.72 LF)

676.10 DELINEATOR WITH STEEL POST

IRA:
 STA 61+84.8 LT
 STA 62+11.0 LT

WEST RUTLAND:
 STA 0+45.72 LT

SIGN LEGEND

- R = REMOVE
- S = SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- EXISTING = - - - - -
- NEW = _____

NOT TO SCALE

PROJECT LAYOUT SHEET #22

PROJECT NAME: CASTLETON - WEST RUTLAND

PROJECT NUMBER: STP 2705(i)

FILE NAME: p07cl68.dgn

PROJECT LEADER: D.E.G.

DESIGNED BY: M.J.M.

IPARM FILE: p07cl68i22.i

PLOT DATE: 04-JUN-2013 09:2

DRAWN BY: W.G.P.

CHECKED BY: D.E.G.

SHEET 43 OF 152

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 4+25.00 - STA 16+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 4+25.00 - STA 5+80.00 S - D
 STA 5+80.00 - STA 13+72.00 D - S
 STA 13+72.00 - STA 16+25.00 S - S

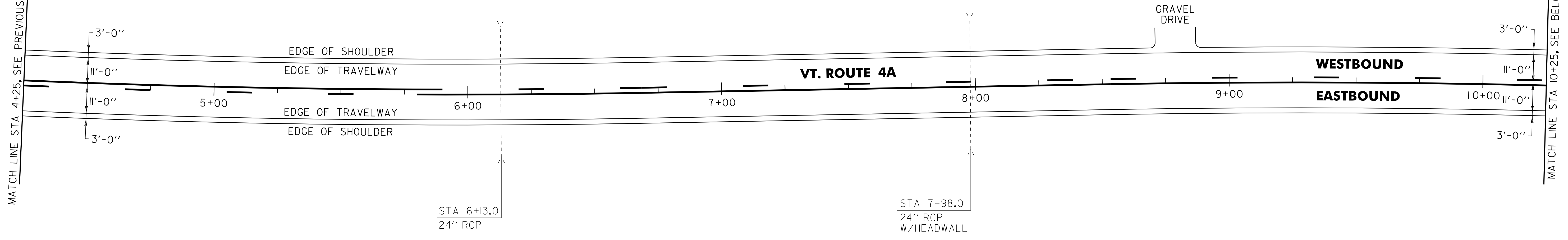
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 4+25.00 - STA 16+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 4+25.00 - STA 5+80.00 LT C RT
 S - D
 STA 5+80.00 - STA 13+72.00 D - S
 STA 13+72.00 - STA 16+25.00 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 1

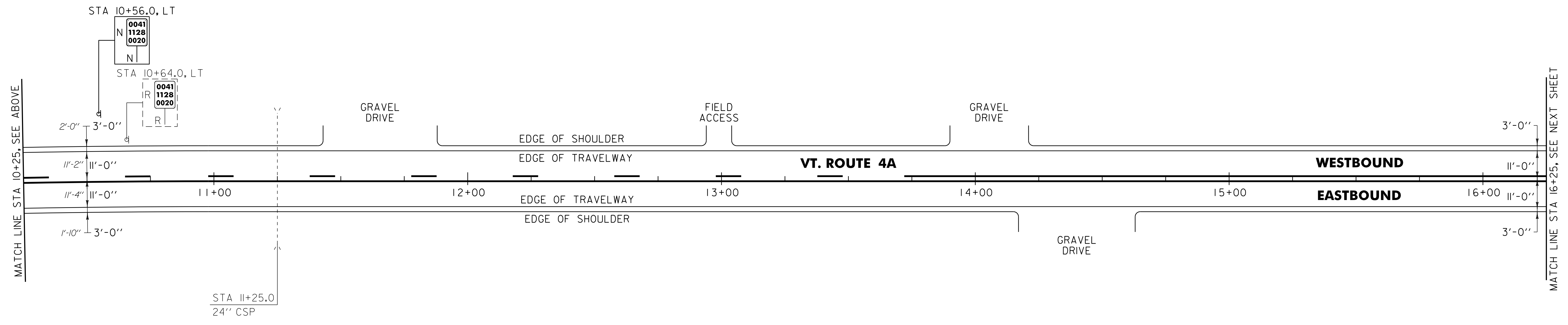
MATCH LINE STA 4+25. SEE PREVIOUS SHEET

MATCH LINE STA 10+25. SEE BELOW



MATCH LINE STA 10+25. SEE ABOVE

MATCH LINE STA 16+25. SEE NEXT SHEET



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

PROJECT LAYOUT SHEET #23	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i23.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 44 OF 152

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 16+25.00 - STA 28+25.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 16+25.00 - STA 28+25.00

	LT	C	RT
	S	-	S

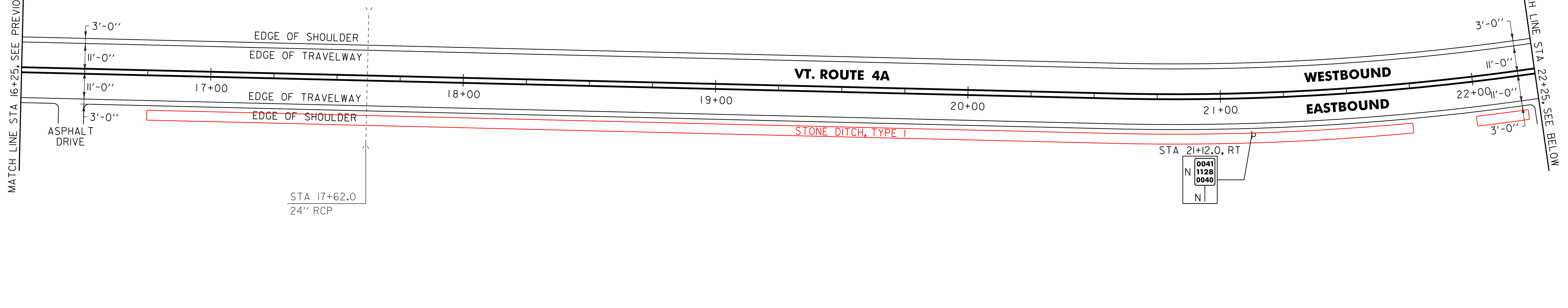
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 16+25.00 - STA 28+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 16+25.00 - STA 28+25.00

	LT	C	RT
	S	-	S

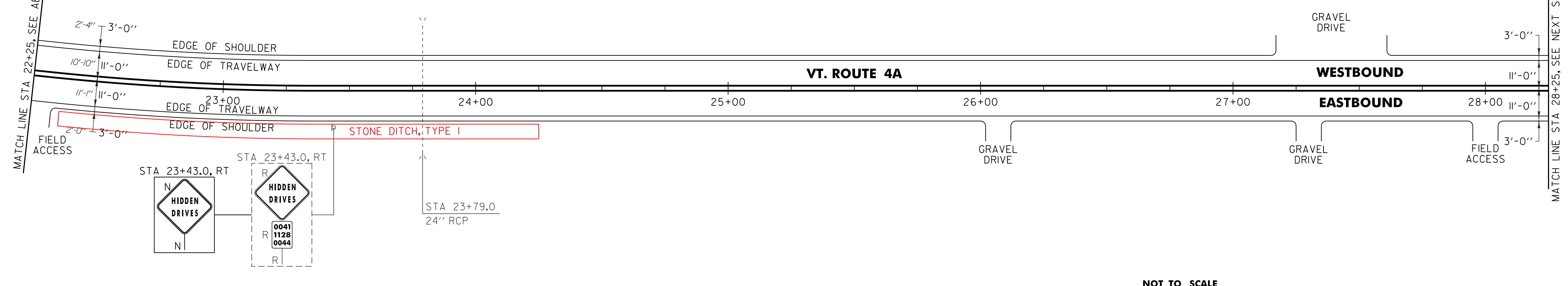
MATCH LINE STA 16+25, SEE PREVIOUS SHEET

MATCH LINE STA 22+25, SEE BELOW



MATCH LINE STA 22+25, SEE ABOVE

MATCH LINE STA 28+25, SEE NEXT SHEET



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

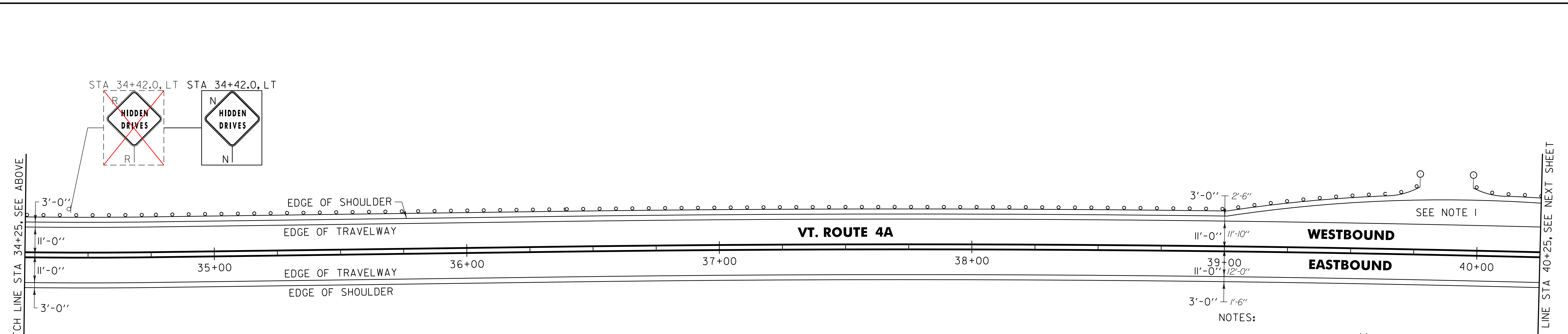
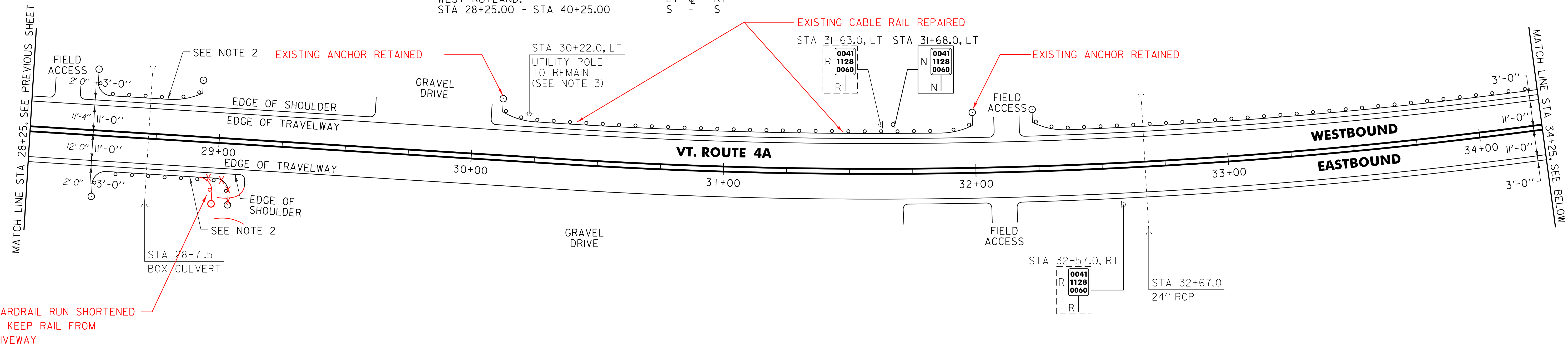
PROJECT LAYOUT SHEET #24	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i24.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 45 OF 152

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 28+25.00 - STA 40+25.00 EDGE LINE 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/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 28+25.00 - STA 40+25.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 28+25.00 - STA 40+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 28+25.00 - STA 40+25.00



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 WEST RUTLAND:
 STA 28+47.7 - STA 28+89.2 LT (41.5 LF)
 STA 28+47.7 - STA 29+01.7 RT (54.0 LF)
 STA 30+07.5 - STA 31+99.0 LT (206.5 LF)

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 WEST RUTLAND:
 STA 32+23.0 - STA 39+77.0 LT (754.0 LF)
 STA 39+98.0 - STA 40+25.0 LT (27.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 WEST RUTLAND:
 STA 28+54.2 RT
 STA 28+54.2 LT
 STA 28+82.7 LT
 STA 28+95.2 RT
 STA 28+95.2 LT
 STA 30+14.0 LT - EXISTING ANCHORS
 STA 31+92.5 LT - RETAINED
 STA 32+38.0 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 WEST RUTLAND:
 STA 28+52.0 - STA 28+89.0 LT (37.0 LF)
 STA 28+58.0 - STA 28+96.0 RT (38.0 LF)
~~STA 30+36.0 - STA 31+99.0 LT (163.0 LF)~~ - EXISTING CABLE RAIL AND ANCHORS
 STA 32+25.0 - STA 39+73.0 LT (748.0 LF)
 STA 40+00.0 - STA 40+25.0 LT (25.0 LF)

676.10 DELINEATOR WITH STEEL POST
 WEST RUTLAND:
 STA 28+47.7 RT
 STA 28+53.9 LT
 STA 28+95.4 LT
 STA 29+01.7 RT
 STA 30+07.5 LT
 STA 31+99.0 LT
 STA 32+23.0 LT
 STA 39+77.0 LT
 STA 39+98.0 LT

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

- NOTES:
1. PROVIDE A 4 FT WIDE, 1/2" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1.
 2. CONTRACTOR SHALL SPACE GUARDRAIL POSTS IN A MANNER THAT AVOIDS THE EXISTING CULVERT BELOW, AS DIRECTED BY THE RESIDENT ENGINEER.
 3. SEE SHEET 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.

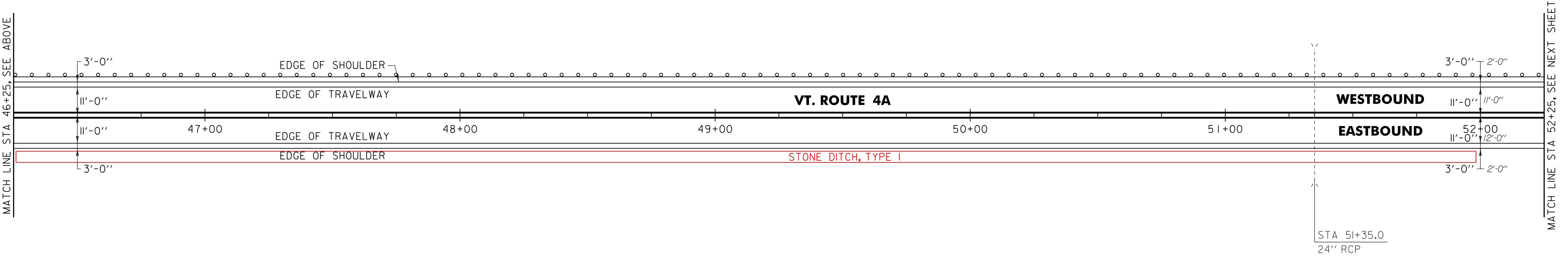
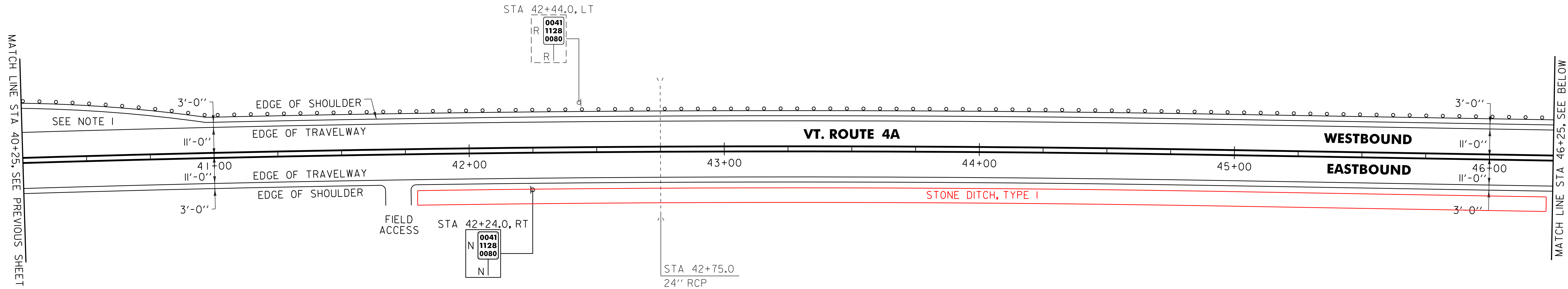
PROJECT LAYOUT SHEET #25	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68i25.i	SHEET 46 OF 152	

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 40+25.00 - STA 52+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 40+25.00 - STA 52+25.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 40+25.00 - STA 52+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 40+25.00 - STA 52+25.00 LT C RT
 S - S



62L205 STEEL BEAM GUARDRAIL W/8 FEET POSTS
 WEST RUTLAND:
 STA 40+25.0 - STA 52+25.0 LT (1200.0 LF)

62L80 REMOVAL AND DISPOSAL OF GUARDRAIL
 WEST RUTLAND:
 STA 40+25.0 - STA 52+25.0 LT (1200.0 LF)

NOTE:

- PROVIDE A 4 FT WIDE, 1/2" TYPE IVS APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

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

PROJECT LAYOUT SHEET #26	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i26.i	PLOT DATE: 04-JUN-2013 09:2 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 47 OF 152

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 52+25.00 - STA 63+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 52+25.00 - STA 63+25.00

LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 52+25.00 - STA 63+25.00 EDGE LINE LT & RT

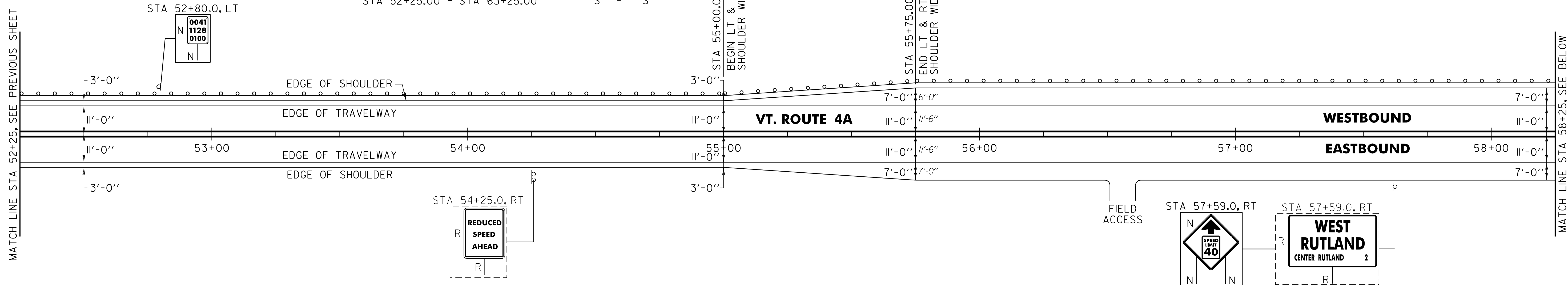
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 52+25.00 - STA 63+25.00

LT C RT
 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 3

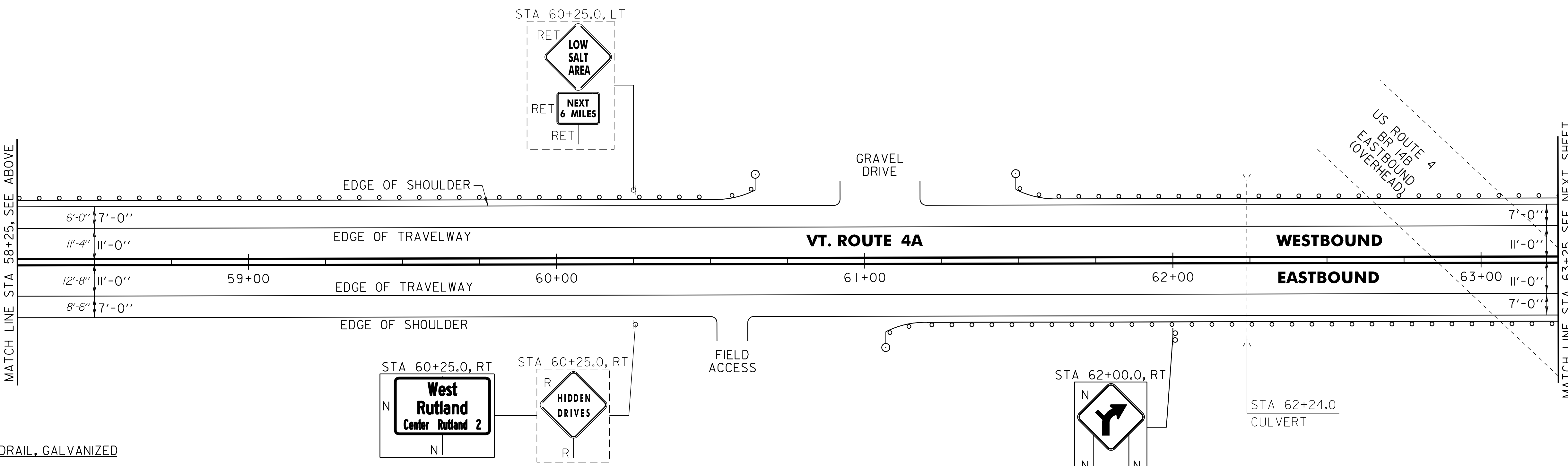
MATCH LINE STA 52+25, SEE PREVIOUS SHEET

MATCH LINE STA 58+25, SEE BELOW



MATCH LINE STA 58+25, SEE ABOVE

MATCH LINE STA 63+25, SEE NEXT SHEET



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 WEST RUTLAND:
 STA 61+06.8 - STA 63+25.0 RT (218.2 LF)
 STA 61+49.0 - STA 63+25.0 LT (176.0 LF)

621.205 STEEL BEAM GUARDRAIL W/8 FEET POSTS
 CASTLETON:
 STA 52+25.0 - STA 60+64.5 LT (839.5 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 WEST RUTLAND:
 STA 60+58.0 LT
 STA 61+13.3 RT
 STA 61+55.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 WEST RUTLAND:
 STA 52+25.0 - STA 60+57.0 LT (832.0 LF)
 STA 61+05.0 - STA 63+25.0 RT (220.0 LF)
 STA 61+51.0 - STA 63+25.0 LT (174.0 LF)

676.10 DELINEATOR WITH STEEL POST
 WEST RUTLAND:
 STA 60+64.5 LT
 STA 61+06.8 RT
 STA 61+49.0 LT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #27	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68i27.i	SHEET 48 OF 152

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 63+25.00 - STA 69+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 63+25.00 - STA 69+25.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 63+25.00 - STA 69+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 63+25.00 - STA 69+25.00 LT C RT
 S - S

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
 WEST RUTLAND:
 STA 64+99.68 LT TH-4

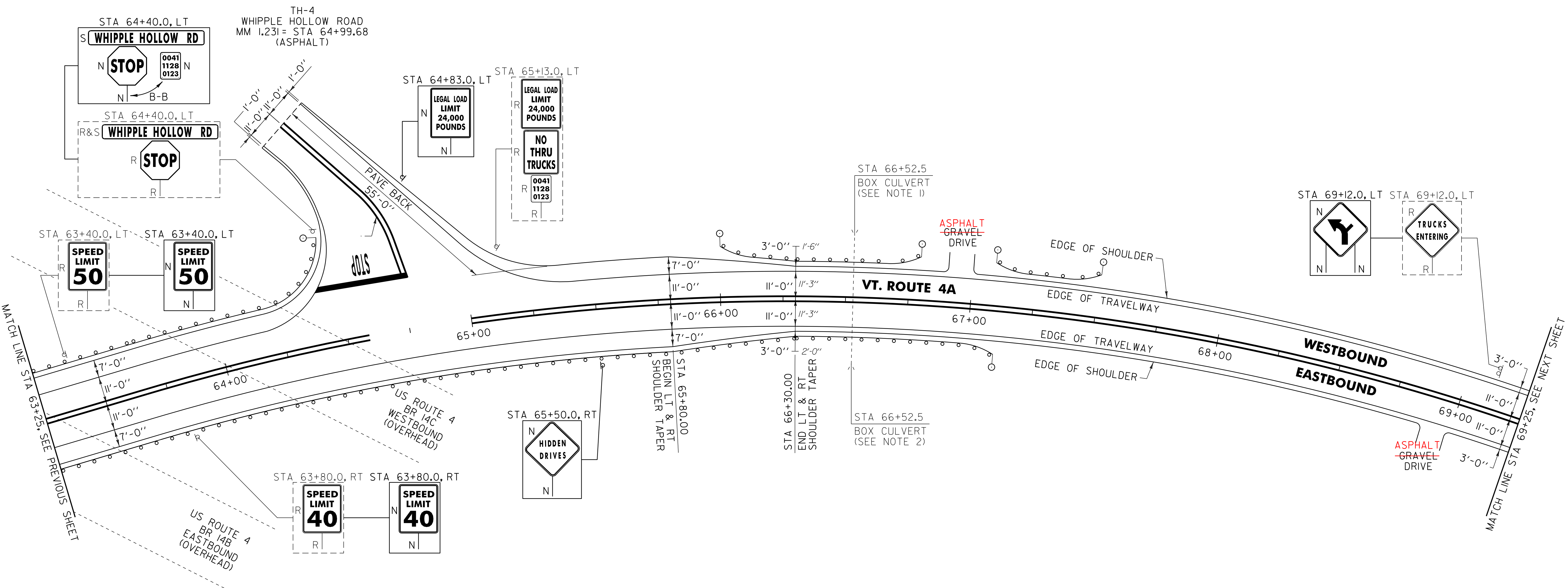
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 WEST RUTLAND:
 STA 64+99.68 LT TH-4, "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 WEST RUTLAND:
 STA 64+99.68 LT TH-4

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 WEST RUTLAND:
 STA 64+99.68 LT TH-4, "S,T,O,P" (8 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 8

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 WEST RUTLAND:
 STA 63+25.0 - STA 66+08.8 RT (283.8 LF)
 STA 63+25.0 - STA 64+41.0 LT (128.0 LF)
 STA 66+00.5 - STA 66+40.0 LT (39.5 LF)
 STA 66+65.0 - STA 66+79.5 LT (14.5 LF)
 STA 66+96.3 - STA 67+10.8 RT (14.5 LF)
 STA 67+09.0 - STA 67+50.5 LT (41.5 LF)

621.26 HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED
 WEST RUTLAND:
 STA 66+08.8 - STA 66+96.3 RT (87.5 LF)
 STA 66+40.0 - STA 66+65.0 LT (25.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 WEST RUTLAND:
 STA 63+25.0 - STA 66+61.0 RT (336.0 LF)
 STA 63+25.0 - STA 61+41.0 LT (126.0 LF)
 STA 66+08.0 - STA 66+81.0 LT (73.0 LF)
 STA 67+09.0 - STA 67+48.0 LT (39.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 WEST RUTLAND:
 STA 64+34.5 LT
 STA 66+07.0 LT
 STA 66+73.0 LT
 STA 67+04.3 RT
 STA 67+15.5 LT
 STA 67+44.0 LT

676.10 DELINEATOR WITH STEEL POST
 WEST RUTLAND:
 STA 64+41.0 LT
 STA 66+00.5 LT
 STA 66+79.5 LT
 STA 67+09.0 LT
 STA 67+10.8 RT
 STA 67+50.5 LT

NOTES:
 1. SEE SHEET 10 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERT DETAIL.
 2. SEE SHEET 9 FOR DOUBLE-NESTED GUARDRAIL SYSTEM.

PROJECT LAYOUT SHEET #28	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(1)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.	
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68128.i	SHEET 49 OF 152	

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

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 69+25.00 - STA 81+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 69+25.00 - STA 81+25.00

LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 69+25.00 - STA 81+25.00 EDGE LINE LT & RT

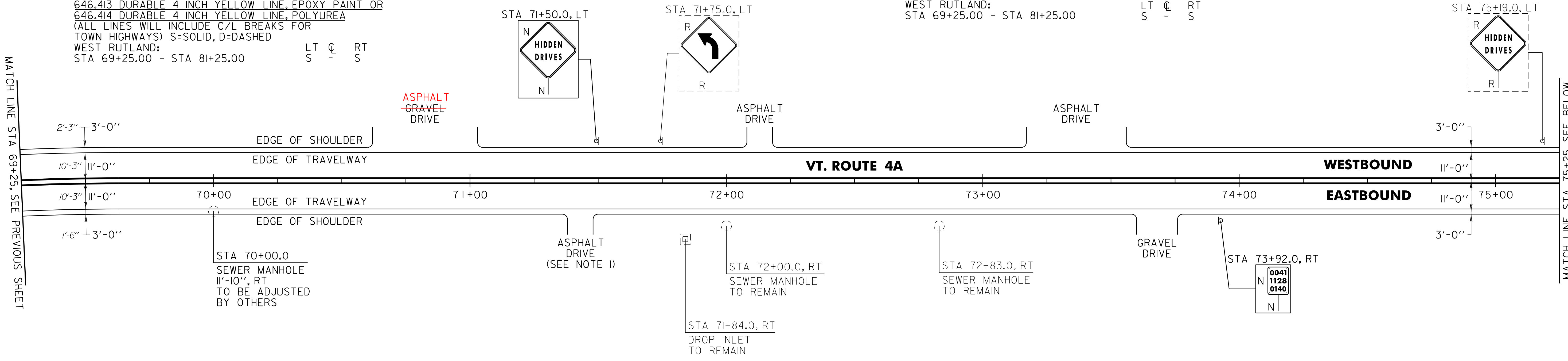
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 69+25.00 - STA 81+25.00

LT C RT
 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 4

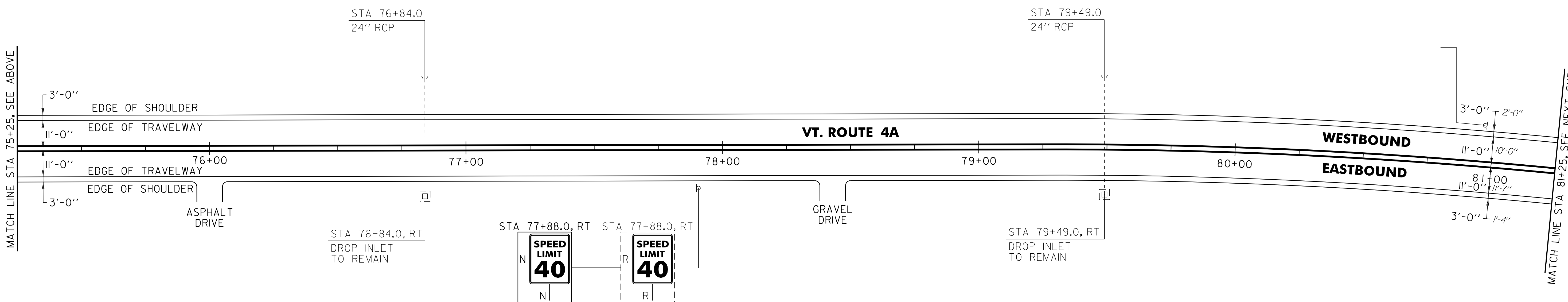
MATCH LINE STA 69+25, SEE PREVIOUS SHEET

MATCH LINE STA 75+25, SEE BELOW



MATCH LINE STA 75+25, SEE ABOVE

MATCH LINE STA 81+25, SEE NEXT SHEET



NOTE:
 1. THE CONTRACTOR SHALL PAVE THE EXISTING DRIVEWAY SO THAT DRAINAGE IS REDIRECTED TO THE EXISTING DI LOCATED AT STA 71+84.0 RT AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE INCIDENTAL TO ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #29	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 50 OF 152
	IPARM FILE: p07cl68i29.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
RADIUS FOR TOWN HIGHWAYS)
WEST RUTLAND:
STA 81+25.00 - STA 93+25.00 EDGE LINE 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/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
WEST RUTLAND:
STA 81+25.00 - STA 93+25.00

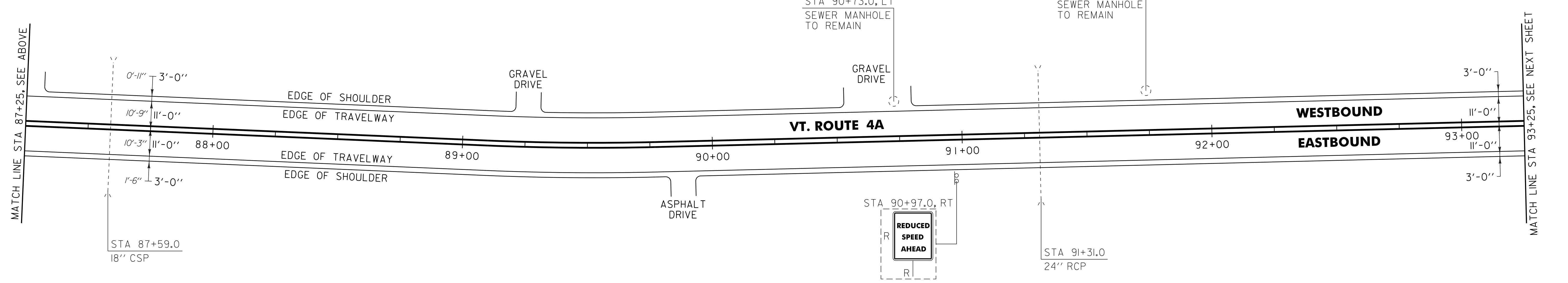
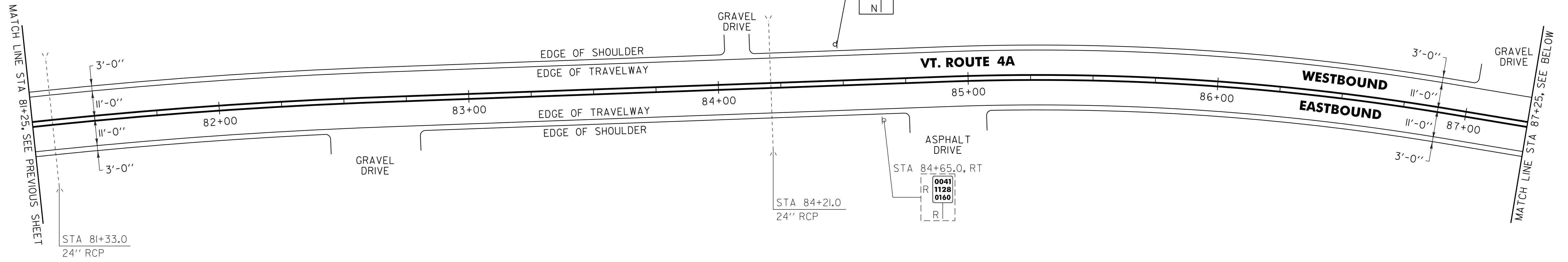
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
WEST RUTLAND:
STA 81+25.00 - STA 93+25.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
WEST RUTLAND:
STA 81+25.00 - STA 93+25.00

LT C RT
S - S

STA 84+48.0, LT-RT

0041
1128
0160
N
N



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

PROJECT LAYOUT SHEET #30	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68130.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 51 OF 152

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 TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 93+25.00 - STA 94+93.44 EDGE LINE LT & RT

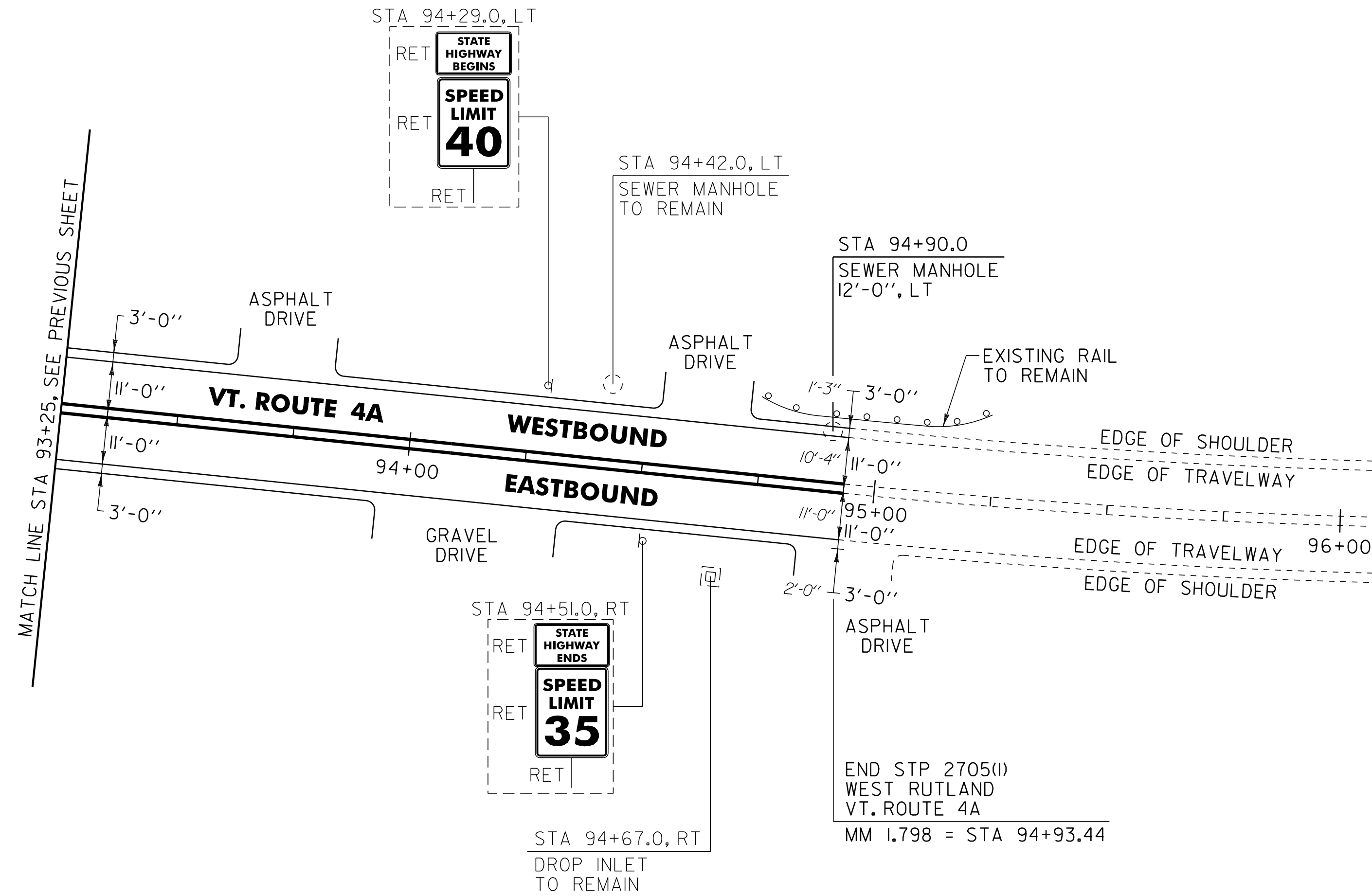
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 93+25.00 - STA 94+93.44

LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 WEST RUTLAND:
 STA 93+25.00 - STA 94+93.44 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 WEST RUTLAND:
 STA 93+25.00 - STA 94+93.44

LT C RT
 S - S



604.42 CHANGING ELEVATION OF SEWER MANHOLE
 WEST RUTLAND:
 STA 94+90.0 LT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #31	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(I)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p07cl68I31.i	SHEET 52 OF 152

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 TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 2+00.00 - STA 8+00.00 EDGE LINE LT & RT
 STA 2+00.00 - STA 3+25.00 DOTTED LANE LINE LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 2+00.00 - STA 8+00.00 EDGE LINE LT & RT
 STA 2+00.00 - STA 3+25.00 DOTTED LANE LINE LT

646.412 DURABLE 2 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 3+25.00 - STA 8+00.00 LT @ RT
 STA 3+25.00 - STA 8+00.00 S - S
 STA 2+00.00 - STA 3+25.00 DOUBLE SOLID MEDIAN LT & RT

646.462 DURABLE 12 INCH WHITE LINE, THERMOPLASTIC OR
 646.463 DURABLE 12 INCH WHITE LINE, EPOXY PAINT OR
 646.464 DURABLE 12 INCH WHITE LINE, POLYUREA
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 HATCHED AREA LT, RAMP A

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 3+25.00 - STA 8+00.00 LT @ RT
 STA 3+25.00 - STA 8+00.00 S - S
 STA 2+00.00 - STA 3+25.00 DOUBLE SOLID MEDIAN LT & RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC OR
 646.453 DURABLE 8 INCH YELLOW LINE, EPOXY PAINT OR
 646.454 DURABLE 8 INCH YELLOW LINE, POLYUREA
 CASTLETON STATE HIGHWAY:
 STA 2+00.00 - STA 3+25.00 MEDIAN HATCHING 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
 CASTLETON:
 STA 6+23.04 LT RAMP A
 STA 6+23.04 LT RAMP A

646.512 DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC OR
 646.513 DURABLE RAILROAD CROSSING SYMBOL, EPOXY PAINT
 CASTLETON STATE HIGHWAY:
 STA 2+06.0 RT (1EA)
 STA 5+75.0 LT (1EA)

646.712 TEMPORARY RAILROAD CROSSING SYMBOL, PAINT
 CASTLETON STATE HIGHWAY:
 STA 2+06.0 RT (2 EA)
 STA 5+75.0 LT (2 EA)

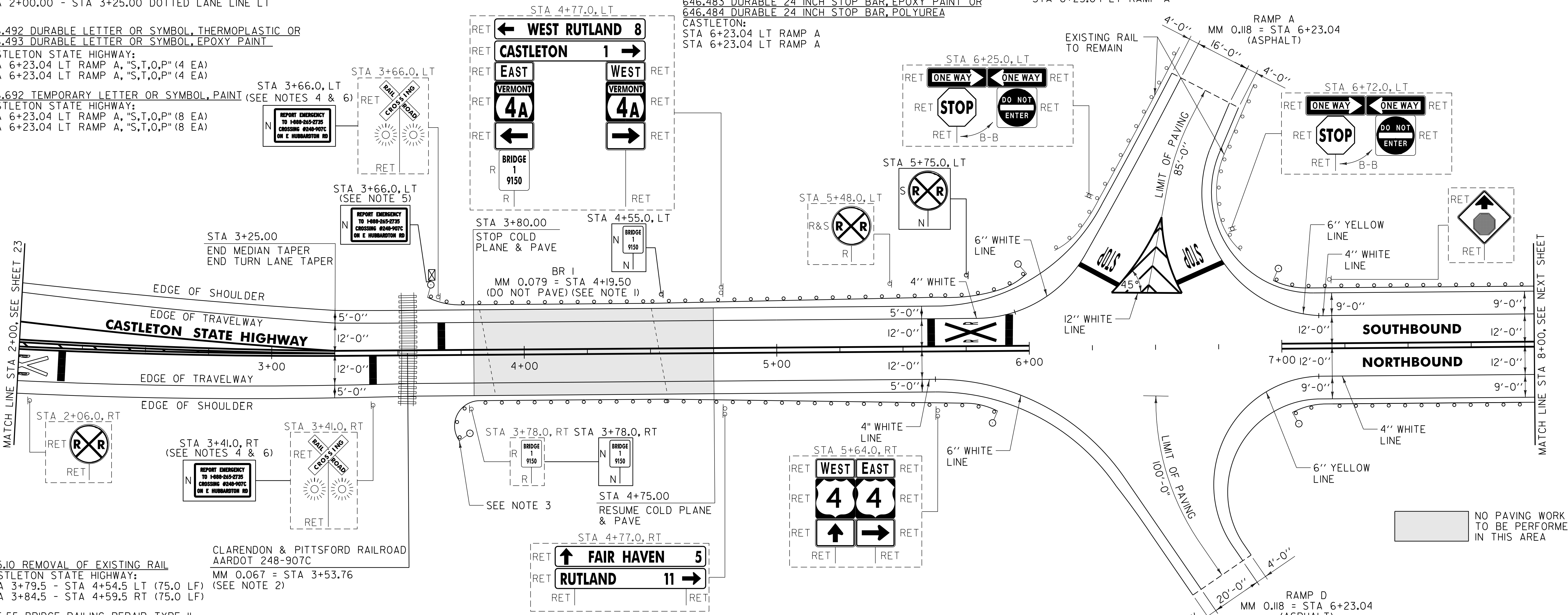
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 6+23.04 LT RAMP A
 STA 6+23.04 LT RAMP A

646.50 REMOVING SIGNS
 AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 LT RAMP A, "S,T,O,P" (4 EA)
 STA 6+23.04 LT RAMP A, "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 (SEE NOTES 4 & 6)
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 LT RAMP A, "S,T,O,P" (8 EA)
 STA 6+23.04 LT RAMP A, "S,T,O,P" (8 EA)



525.10 REMOVAL OF EXISTING RAIL
 CASTLETON STATE HIGHWAY:
 STA 3+79.5 - STA 4+54.5 LT (75.0 LF)
 STA 3+84.5 - STA 4+59.5 RT (75.0 LF)

CLARENDON & PITTSFORD RAILROAD
 AARDOT 248-907C
 MM 0.067 = STA 3+53.76
 (SEE NOTE 2)

525.55 BRIDGE RAILING REPAIR, TYPE II
 CASTLETON STATE HIGHWAY:
 STA 3+79.5 - STA 4+54.5 LT (75.0 LF)
 STA 3+84.5 - STA 4+59.5 RT (75.0 LF)

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 TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 LT, RAMP A EDGE LINE
 STA 6+23.04 RT, RAMP D EDGE LINE

646.432 DURABLE 6 INCH YELLOW LINE, THERMOPLASTIC OR
 646.433 DURABLE 6 INCH YELLOW LINE, EPOXY PAINT OR
 646.434 DURABLE 6 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 LT, RAMP A EDGE LINE
 STA 6+23.04 RT, RAMP D EDGE LINE

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 LT, RAMP A EDGE LINE
 STA 6+23.04 RT, RAMP D EDGE LINE

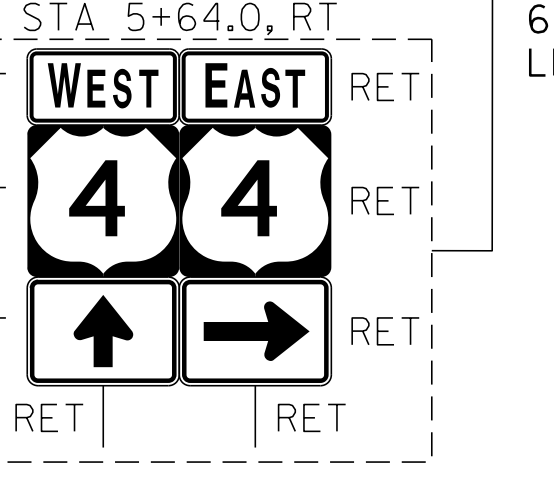
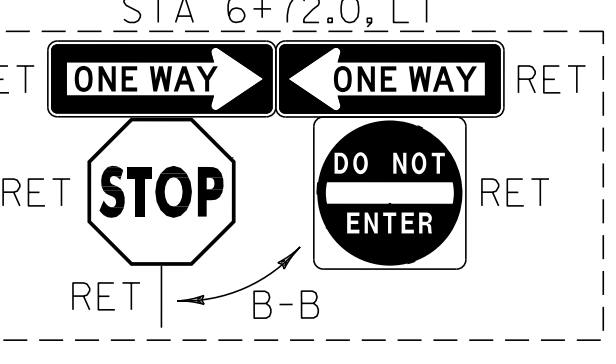
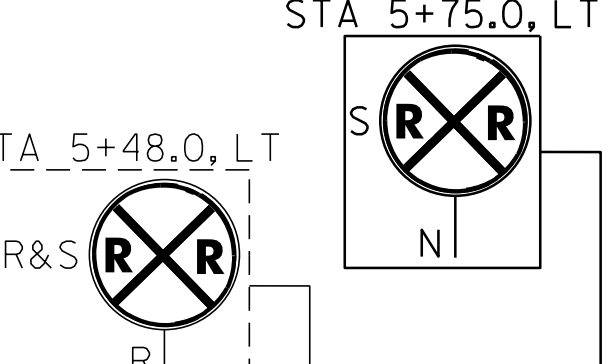
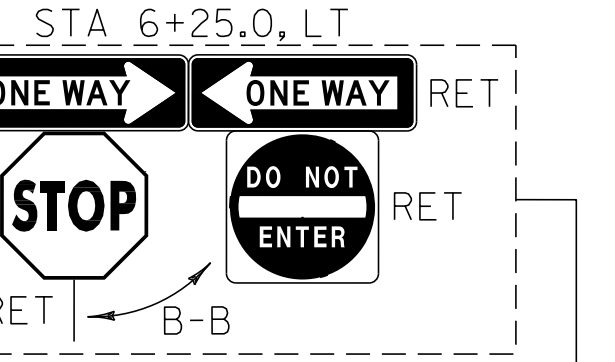
621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON STATE HIGHWAY:
 STA 3+65.0 - STA 3+79.5 LT (14.5 LF)
 STA 3+73.0 - STA 3+84.5 RT (28.5 LF)
 STA 4+79.5 - STA 6+06.5 LT (127.0 LF)
 STA 4+84.5 - STA 5+99.0 RT (114.5 LF)
 STA 6+93.0 - STA 8+00.0 LT (107.0 LF)
 STA 7+03.0 - STA 8+00.0 RT (97.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON STATE HIGHWAY:
 STA 3+62.0 - STA 3+79.5 LT (17.5 LF)
 STA 3+73.0 - STA 3+84.5 RT (11.5 LF)
 STA 4+54.5 - STA 6+01.0 LT (150.0 LF)
 STA 4+59.5 - STA 5+91.0 RT (135.0 LF)
 STA 6+97.0 - STA 8+00.0 LT (103.0 LF)
 STA 7+04.0 - STA 8+00.0 RT (96.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON STATE HIGHWAY:
 STA 3+71.5 LT
~~STA 3+73.0 RT~~
 STA 3+73.0 RT
 STA 5+92.5 RT
 STA 6+00.0 LT
 STA 6+99.5 LT
 STA 7+09.5 RT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON STATE HIGHWAY:
 STA 3+65.0 LT
 STA 3+73.0 RT
 STA 5+99.0 RT
 STA 6+06.5 LT
 STA 6+93.0 LT
 STA 7+03.0 RT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 6+23.04 LT, RAMP A EDGE LINE
 STA 6+23.04 RT, RAMP D EDGE LINE



NOTES:

- SEE SHEET 85 FOR BRIDGE I DETAILS.
- SEE SHEETS 87 THRU 89 FOR CLARENDON & PITTSFORD RAILROAD AARDOT 248-907C GRADE CROSSING DETAIL SHEETS.
- THE CONTRACTOR SHALL INSTALL A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER. ONLY ONE ANCHOR INSTALLED DUE TO INSUFFICIENT AREA TO INSTALL TWO PER RE.
- PROPOSED EMERGENCY CONTACT SIGN SHALL BE MOUNTED ON THE EXISTING CROSSING SIGNAL AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL COORDINATE THE SIGN INSTALLATION WITH THE RAILROAD.
- PROPOSED EMERGENCY CONTACT SIGN SHALL BE MOUNTED TO EXISTING SIGNAL CASE AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL COORDINATE THE SIGN INSTALLATION WITH THE RAILROAD.
- A STRIP OF RETROREFLECTIVE WHITE MATERIAL NOT LESS THAN 2 INCHES WIDE SHALL BE USED ON THE BACK OF EACH BLADE OF THE CROSSBUCK SIGN FOR THE ENTIRE LENGTH OF EACH BLADE PER MUTCD SECTION 8B.03. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE SIGN WITH THE RAILROAD.

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

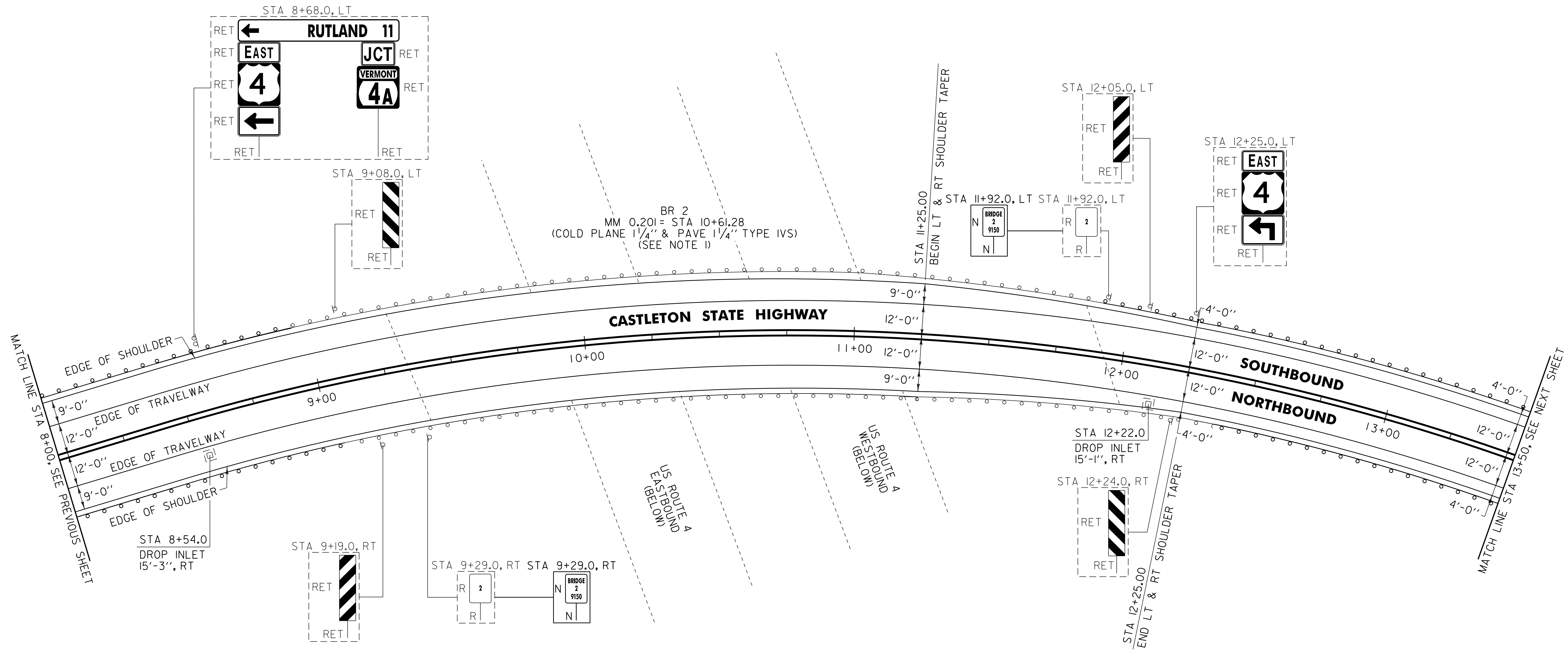
PROJECT LAYOUT SHEET #32	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(1)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68132.i	SHEET 53 OF 152	

NOT TO SCALE

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 TOWN HIGHWAYS)
CASTLETON STATE HIGHWAY:
STA 8+00.00 - STA 13+50.00 EDGE LINE LT & RT
LT C RT
S - S

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/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
CASTLETON STATE HIGHWAY:
STA 8+00.00 - STA 13+50.00
LT C RT
S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
CASTLETON STATE HIGHWAY:
STA 8+00.00 - STA 13+50.00
LT C RT
S - S



- NOTES:
- SEE SHEET 86 FOR BR 2 DETAILS.
 - THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.

621.60 ANCHOR FOR STEEL BEAM RAIL
CASTLETON STATE HIGHWAY:
STA 8+90.0 LT STA 9+00.0 RT
STA 12+25.0 RT STA 12+25.0 LT

604.412, 604.415, 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES CLASS I, II, OR III (SEE NOTE 2)
CASTLETON STATE HIGHWAY:
STA 8+54.0 RT
STA 12+22.0 RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
CASTLETON STATE HIGHWAY:
STA 8+00.0 - STA 8+95.0 LT (95.0 LF)
STA 8+00.0 - STA 9+05.0 RT (105.0 LF)
STA 12+17.0 - STA 13+50.0 LT (133.0 LF)
STA 12+38.0 - STA 13+50.0 RT (112.0 LF)

621.74 ALUMINUM APPROACH RAILING
CASTLETON STATE HIGHWAY:
STA 11+89.8 - STA 12+17.0 LT (27.2 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
CASTLETON STATE HIGHWAY:
STA 8+00.0 - STA 9+05.0 RT (105.0 LF)
STA 8+00.0 - STA 8+95.0 LT (95.0 LF)
STA 11+89.8 - STA 13+50.0 LT (160.2 LF)
STA 12+38.0 - STA 13+50.0 RT (112.0 LF)

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

NOT TO SCALE

PROJECT LAYOUT SHEET #33	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68133.i	SHEET 54 OF 152

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 TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 13+50.00 - STA 19+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 13+50.00 - STA 19+50.00

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 TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 18+42.79 RT, RAMP B EDGE LINE
 STA 18+77.37 RT, RAMP C EDGE LINE

646.432 DURABLE 6 INCH YELLOW LINE, THERMOPLASTIC OR
 646.433 DURABLE 6 INCH YELLOW LINE, EPOXY PAINT OR
 646.434 DURABLE 6 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 18+42.79 RAMP B, MEDIAN EDGE LINE RT
 STA 18+77.37 RAMP C, MEDIAN EDGE LINE RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON STATE HIGHWAY:
 STA 18+77.77 RT RAMP C, "S,T,O,P" (4 EA)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON STATE HIGHWAY:
 STA 13+50.00 - STA 19+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 13+50.00 - STA 19+50.00

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON STATE HIGHWAY:
 STA 18+69.12 RT RAMP C

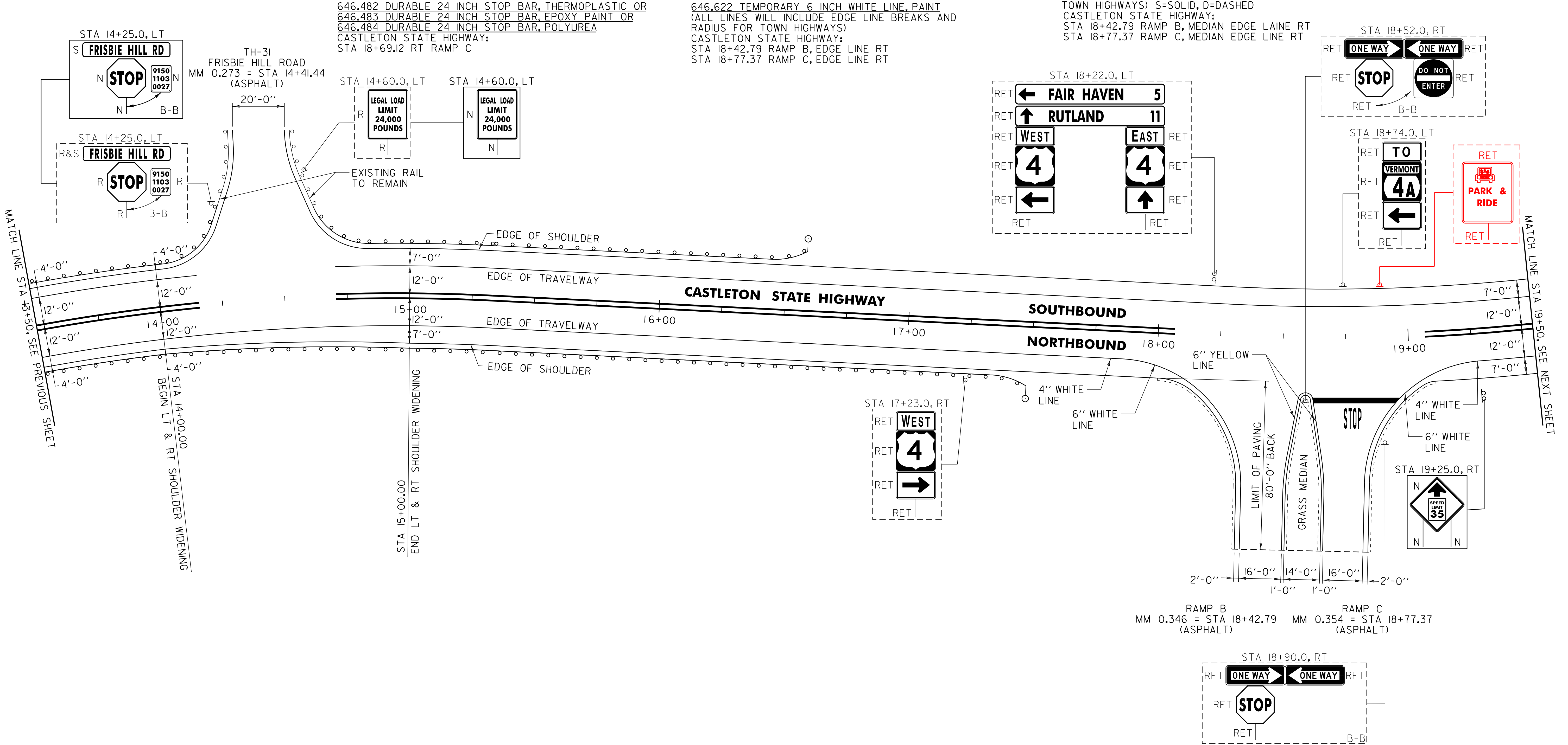
646.492 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON STATE HIGHWAY:
 STA 18+77.77 RT RAMP C, "S,T,O,P" (8 EA)

646.81 PAINTED CURB
 CASTLETON STATE HIGHWAY:
 STA 18+42.79 RAMP B, RT (60.0 LF)
 STA 18+77.37 RAMP C, RT (60.0 LF)

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON STATE HIGHWAY:
 STA 18+42.79 RAMP B, MEDIAN EDGE LAINE RT
 STA 18+77.37 RAMP C, MEDIAN EDGE LINE RT

675.50 REMOVING SIGNS
 AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON STATE HIGHWAY:
 STA 13+50.0 - STA 14+17.0 LT (104.5 LF)
 STA 13+50.0 - STA 17+52.5 RT (393.0 LF)
 STA 14+70.0 - STA 16+59.5 LT (227.0 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON STATE HIGHWAY:
 STA 13+50.0 - STA 14+17.0 LT (104.5 LF)
 STA 13+50.0 - STA 17+43.0 RT (393.0 LF)
 STA 14+70.0 - STA 16+58.0 LT (225.5 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON STATE HIGHWAY:
 STA 16+53.0 LT
 STA 17+46.0 RT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON STATE HIGHWAY:
 STA 16+59.5 LT
 STA 17+52.5 RT

NOTE:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED
 25 FT BACK FROM CASTLETON STATE HIGHWAY EDGE OF
 SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR
 AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #34	PROJECT NAME: CASTLETON - WEST RUTLAND	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
		DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
		IPARM FILE: p07cl68134.i	SHEET 55 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 19+50.00 - STA 21+43.68 EDGE LINE LT & RT

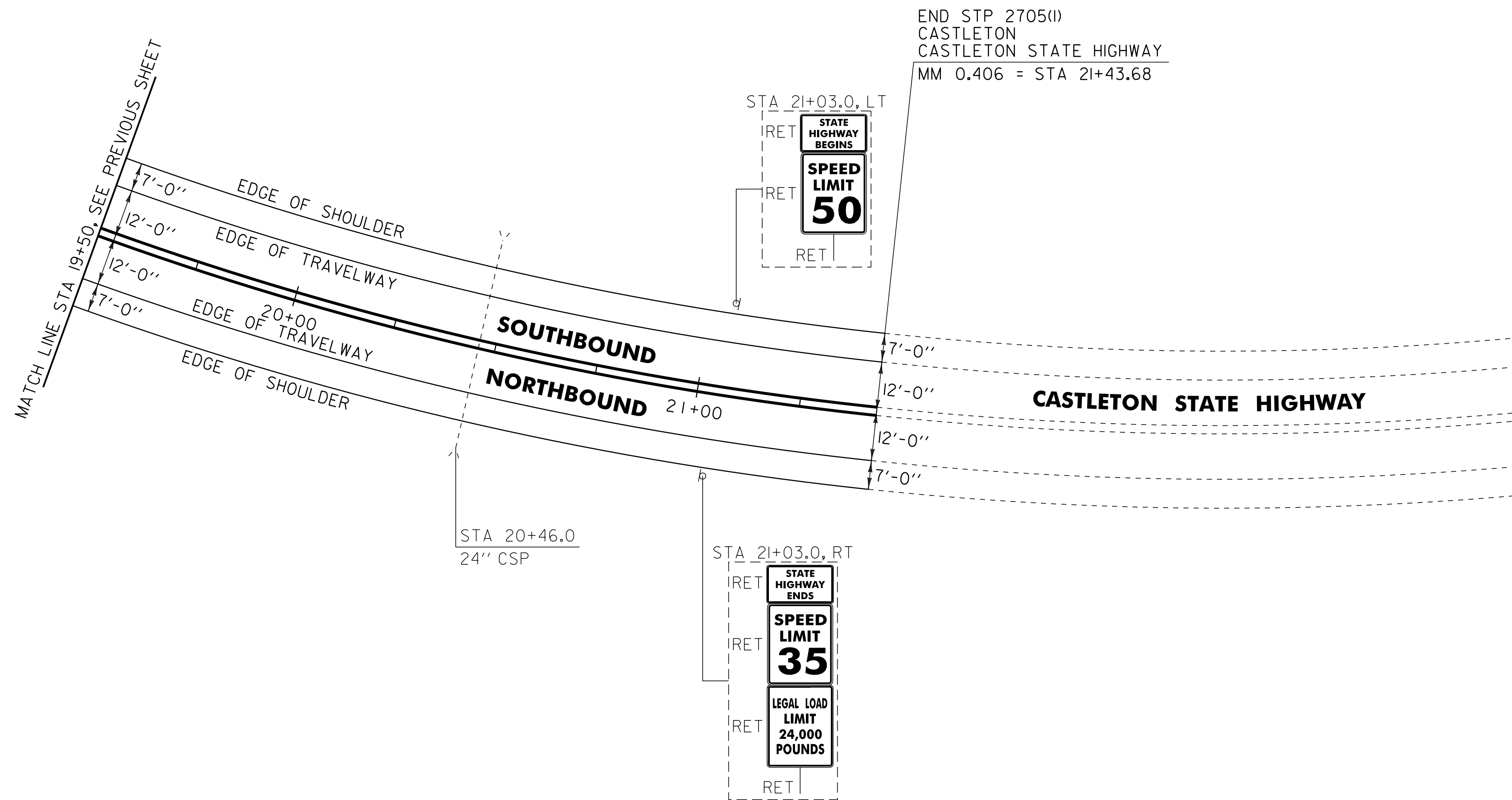
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 19+50.00 - STA 21+43.68

LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 19+50.00 - STA 21+43.68 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 19+50.00 - STA 21+43.68

LT C RT
 S - S



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

NOT TO SCALE	
PROJECT LAYOUT SHEET #35	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p07cl68i35.i	SHEET 56 OF 152

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS						EXIST POST RETAI SALVAGE	NO. OF POSTS	NEW SIGN POSTS														REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL																		
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	FLANGED CHANNEL				SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL					FRAMING S I G N E D	REMARKS	DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER														
									lb/ft	1.75			2.0	2.5	3.0	4.0	4.0	4.0	MOD	FOUN DATION	3.0	3.5	4.0	5.0	FTG. SIZE								WEIGHT	POST SIZE												
																									1.2	2.0									3.0	1.88	2.42	3.35	1.3	1.7	1.7	7.6	9.0	10.8	14.6	24"
CASTLETON: 203+49.1, LT		1	24	18	3.00						1																				SIGN ID CODE VR-038			E-141												
		1	24	30	5.00																											SIGN ID CODE R2-1	X													
203+49.1, RT		1	24	18	3.00						1																					SIGN ID CODE VR-039			E-141											
		1	24	18	5.00																												SIGN ID CODE R2-1	X												
		1	6	10	0.42																													SIGN ID CODE VD-700			E-138									
		1	6	8	0.33																													SIGN ID CODE VD-701			E-134									
203+70.0, RT		1	12	36	3.00						1																							SIGN ID CODE OM3-R	X											
203+70.0, LT		1	12	36	3.00						1																							SIGN ID CODE OM3-L	X											
204+58.0, LT		1	12	36	3.00						1																							SIGN ID CODE OM3-R	X											
204+58.0, RT		1	12	36	3.00						1																							SIGN ID CODE OM3-L	X											
204+67.0, LT		1	6	8	0.33						1																								SIGN ID CODE VD-701			E-134								
<p>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."</p>												LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
												14	84																																	
												6.42	71.75																																	
												98	78.17																																	

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: CASTLETON - WEST RUTLAND
 PROJECT NUMBER: STP 2705(1)
 FILE NAME: p07cl68.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: M.J.M.
 IPARM FILE: p07cl68+ssl.i
 PLOT DATE: 04-JUN-2013 09:2
 DRAWN BY: W.G.P.
 CHECKED BY: D.E.G.
 SHEET 57 OF 152

TOTALS

SF
29.08

SF

EA.

SF

EA.

SF

LF

LF

EA.

LB

EA.

LB

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.

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST SALVAGE REMAIN	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				REQUIRE FRAME	DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER	
											1.2	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	24"	30"						WEIGHT
CASTLETON: 205+50.0, RT		I	24	12	2.00				1					* 16' 3"		X													SIGN ID CODE M4-5	X		
		I	24	24	4.00																							SIGN ID CODE MI-4	X			
		I	21	15	2.19																							SIGN ID CODE M5-IL	X			
205+58.0, LT		I	30	18	3.75				1					* 13' 3"		X												SIGN ID CODE D3-5			74	
207+00.0, LT		I	36	36	9.00				2					14' 10" * 14' 6"		X												SIGN ID CODE W3-5	X			
208+75.0, LT		I	72	12	6.00				2					14' 0" * 13' 3"		X												SIGN ID CODE DI-1A SIGN ID CODE DI-1A			74 74	
		I	72	12	6.00																											
209+00.0, RT 208+90.0		I	72	12	6.00				2					14' 6" * 13' 6"		X												SIGN ID CODE DI-1A SIGN ID CODE DI-1A			74 74	
		I	72	12	6.00																											
210+00.0, RT		I	30	30	6.25				1					* 14' 3"		X												SIGN ID CODE VR-921				E-145A
210+00.0, LT		I	24	12	2.00				1					* 14' 0"		X												SIGN ID CODE M3-4				E-136B
		I	24	24	4.00																							SIGN ID CODE MI-4				E-136B

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																													
	57.19																																

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: CASTLETON - WEST RUTLAND

PROJECT NUMBER: STP 2705(1)

FILE NAME: p07cl68.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p07cl68+ss2.i

PLOT DATE: 04-JUN-2013 09:2
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 58 OF 152

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS						EXIST POST SALVAGED	NO. OF POSTS	NEW SIGN POSTS														REMARKS <small>SHS = FHWA STANDARD HIGHWAY SIGNS BOOK</small>	SIGN DETAIL					
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	FLANGED CHANNEL				SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL					REQUIRE FRAMING	DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER		
									lb/ft				1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT						POST SIZE	
									1.12	2.0			3.0	1.88	2.42	3.35	1.3	1.7		1.7	7.6	9.0	10.8	14.6	24"								30"
CASTLETON: 286+30.0, RT		1	30	30	6.25						1						X											SIGN ID CODE WI-2R	X				
291+50.0, LT		1	30	30	6.25						1						X											SIGN ID CODE WI-2L	X				
295+50.0, LT		1	6	10	0.42																							SIGN ID CODE VD-700 NEW SIGN TO BE MOUNTED ON EXISTING SIGN POST.			E-138		
302+33.0, RT		1	6	8	0.33						1						X											SIGN ID CODE VD-701			E-134		
302+91.0, LT		1	6	8	0.33						1						X											SIGN ID CODE VD-701			E-134		
306+24.0, RT		1	6	10	0.42						1						X											SIGN ID CODE VD-700			E-138		
307+75.0, RT		1	30	30	6.25						1						X											SIGN ID CODE WI-2R	X				
		1	18	18	2.25																							SIGN ID CODE WI3-IP	X				
311+57.0, LT		1	48	24	8.00						2						X											SIGN ID CODE WI-6R	X				

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."

								LF	LF	LF	LF	LF	EA.	LB	LB	LB																	
								42	70																								
								23.0																									
								112																									
								93.0																									
	TOTALS	SF	SF	EA.	SF		LF	LF					EA.	LB				EA.	EA.	LB													
		30.50																															

TRAFFIC SIGN SUMMARY SHEET #7	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 63 OF 152
	IPARM FILE: p07cl68tss7.i	

TRAFFIC SIGN SUMMARY SHEET 9

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAI N	NO. OF POSTS	NEW SIGN POSTS												REMARKS SHS = FHWA STANDARD HIGHWAY SIGNS BOOK	SIGN DETAIL													
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN			SALV TIS	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		FR AME NE	DETAIL IN SHS	DETAIL ON DWG. 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	3.0					3.5	4.0	5.0	FTG. SIZE	WEIGHT	POST SIZE	
CASTLETON: 335+00.0, RT		1	24	30	5.00				1																							SIGN ID CODE VR-017			E-141	
335+53.0, RT		1	30	30	6.25				1																							BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700	X		E-138	
335+55.0, LT		1	30	30	6.25				1																							SIGN ID CODE VW-054			E-154	
337+82.0, LT		1	36	36	9.00				2																							SIGN ID CODE WI-10R	X			
		1	6	10	0.42																												SIGN ID CODE VD-700 NEW SIGN TO BE MOUNTED ON EXISTING SIGN POST.			E-138
348+48.0, RT 349+00.0		1	6	10	0.42				1																								SIGN ID CODE VD-700			E-138
359+04.0, LT		1	6	10	0.42				1																								SIGN ID CODE VD-700			E-138
365+00.0, RT		1	6	8	0.33				1																								SIGN ID CODE VD-701			E-134
365+93.0, LT		1	6	8	0.33				1																								SIGN ID CODE VD-701			E-134

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."


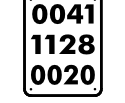







TOTALS	SF 28.84	SF	EA. 1	SF		LF	LF -56- 29.5	LF -70- 67.5		EA.	LB	LB	LB	EA.	LB	LB	LB	EA.	EA.	LB

TRAFFIC SIGN SUMMARY SHEET #9

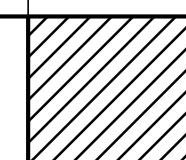
PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
DESIGNED BY: M.J.M.	SHEET 65 OF 152
IPARM FILE: p07cl68+ss9.i	

TRAFFIC SIGN SUMMARY SHEET 13

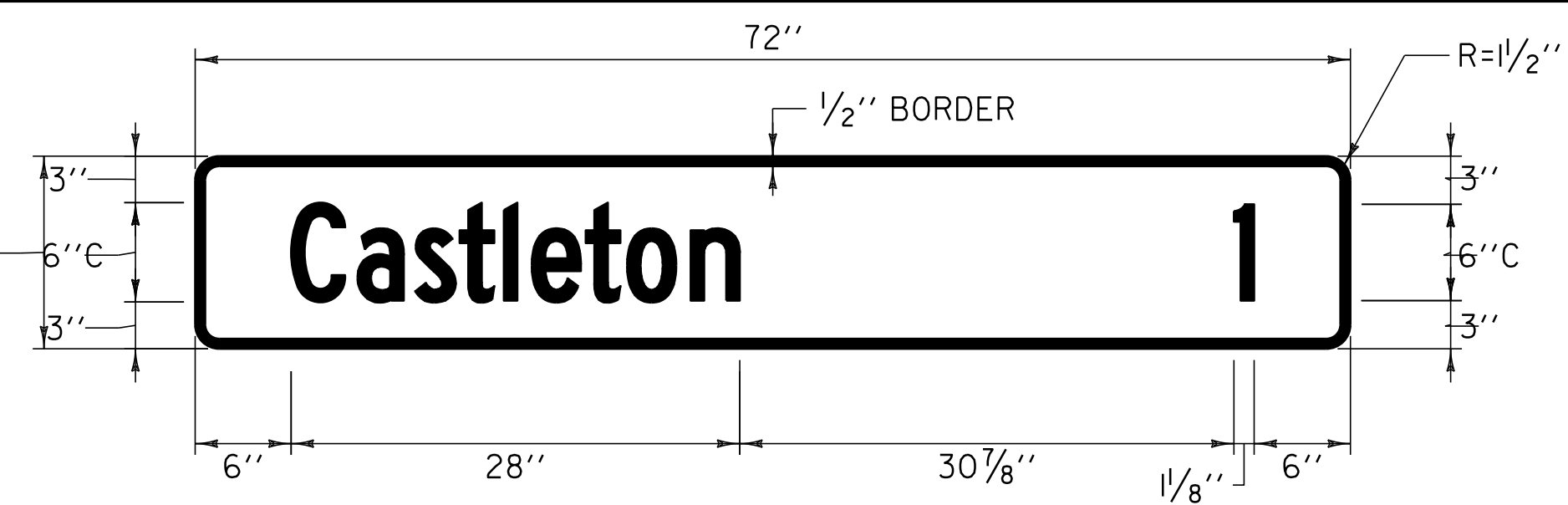
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	NO. OF POSTS	NEW SIGN POSTS																REMARKS <small>SHS = FHWA STANDARD HIGHWAY SIGNS BOOK</small>	SIGN DETAIL		
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"	30"	WEIGHT				

WEST RUTLAND 0+50.0, LT		1	30	30	6.25					1					* 11' 3"	X											SIGN ID CODE WI-2L	X		
10+56.0, LT		1	6	10	0.42					1					* 7' 6"	X											SIGN ID CODE VD-700			E-138
21+12.0, RT		1	6	10	0.42					1					* 8' 3"	X											SIGN ID CODE VD-700			E-138
23+43.0, RT		1	30	30	6.25					1					* 13' 9"	X											SIGN ID CODE VW-060			E-154
31+68.0, LT		1	6	10	0.42					1					* 8' 3"	X											SIGN ID CODE VD-700			E-138
34+42.0, LT		1	30	30	6.25					1					* 14' 6"	X											SIGN ID CODE VW-060			E-154
42+24.0, RT		1	6	10	0.42					1					* 7' 6"	X											SIGN ID CODE VD-700			E-138
52+80.0, LT		1	6	10	0.42					1					* 8' 6"	X											SIGN ID CODE VD-700			E-138
57+59.0, RT		1	36	36	9.00					2					14' 9" * 15' 3"	X											SIGN ID CODE W3-5	X		

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 29.85	SF	EA.	SF		LF	LF	LF	LF	LF	EA.	LB	LB	LB	EA.	LB	EA.	EA.	LB

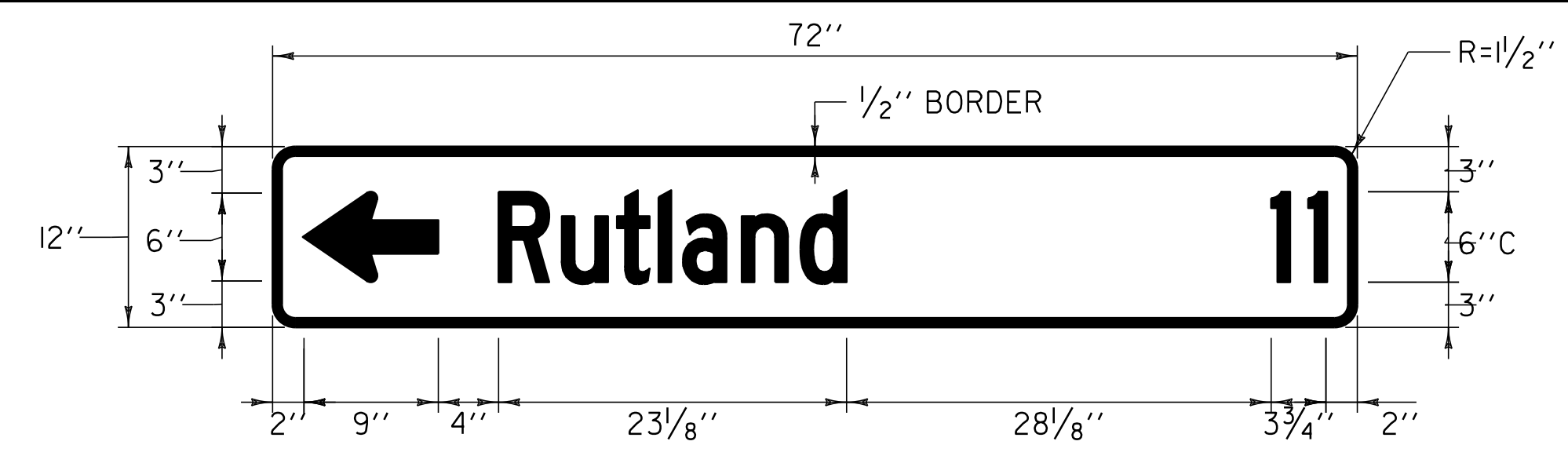
TRAFFIC SIGN SUMMARY SHEET #13	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68tssl3.i
	SHEET 69 OF 152



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

MATERIAL: PER VAOT STANDARD E-123

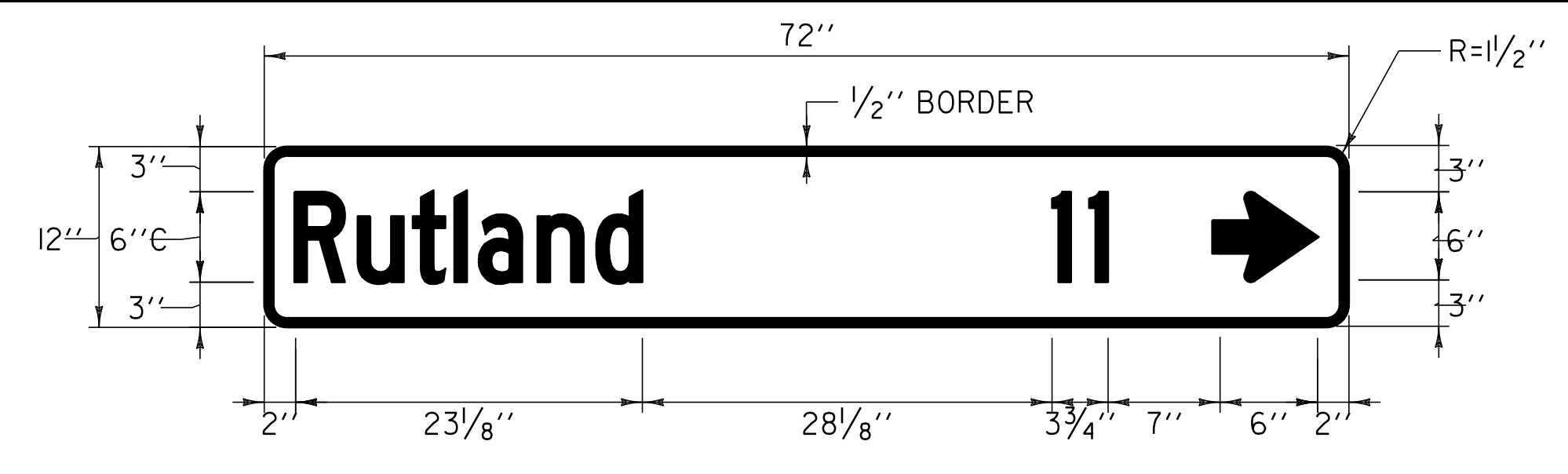
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 208+75.0 LT



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

MATERIAL: PER VAOT STANDARD E-123

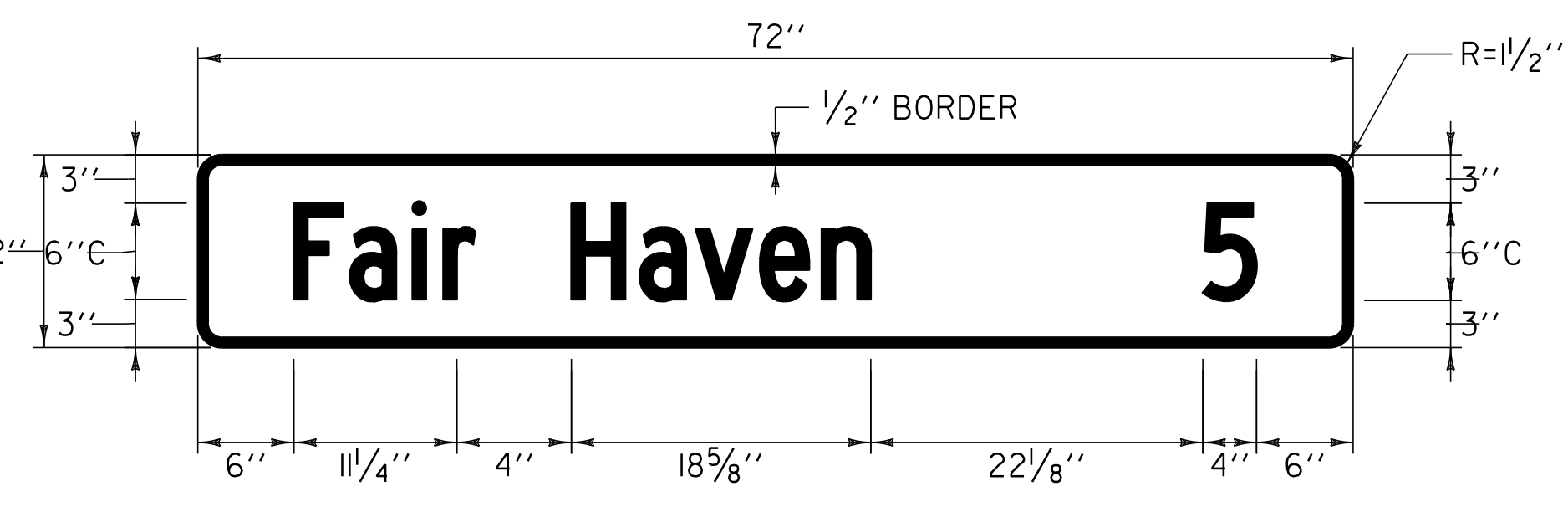
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 209+00.0 RT



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

MATERIAL: PER VAOT STANDARD E-123

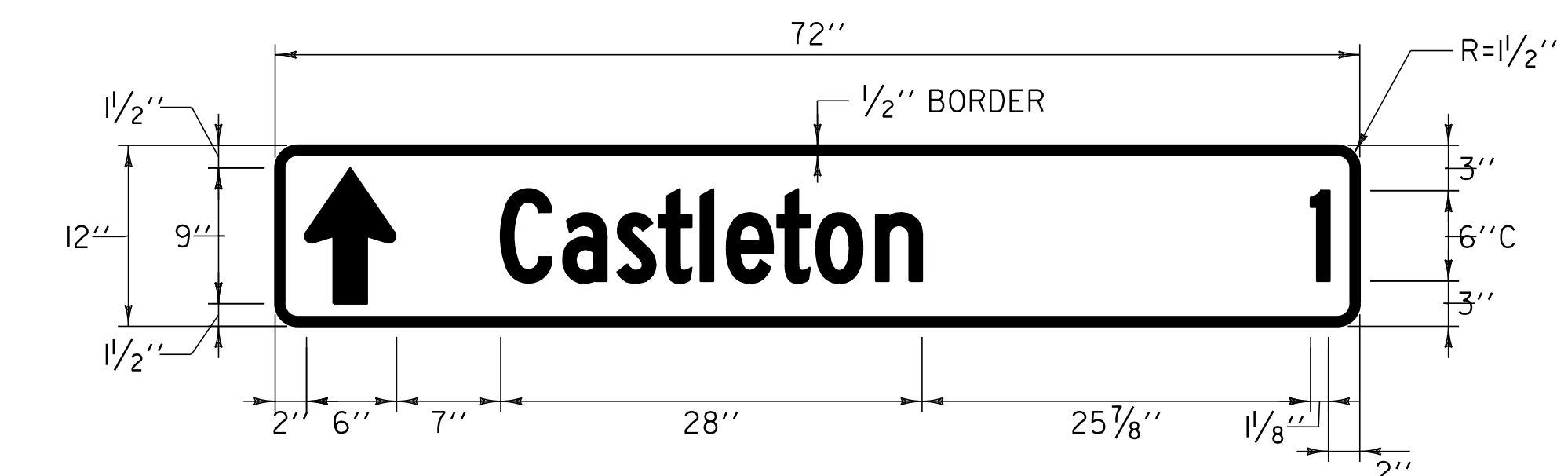
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 214+50.0 LT



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

MATERIAL: PER VAOT STANDARD E-123

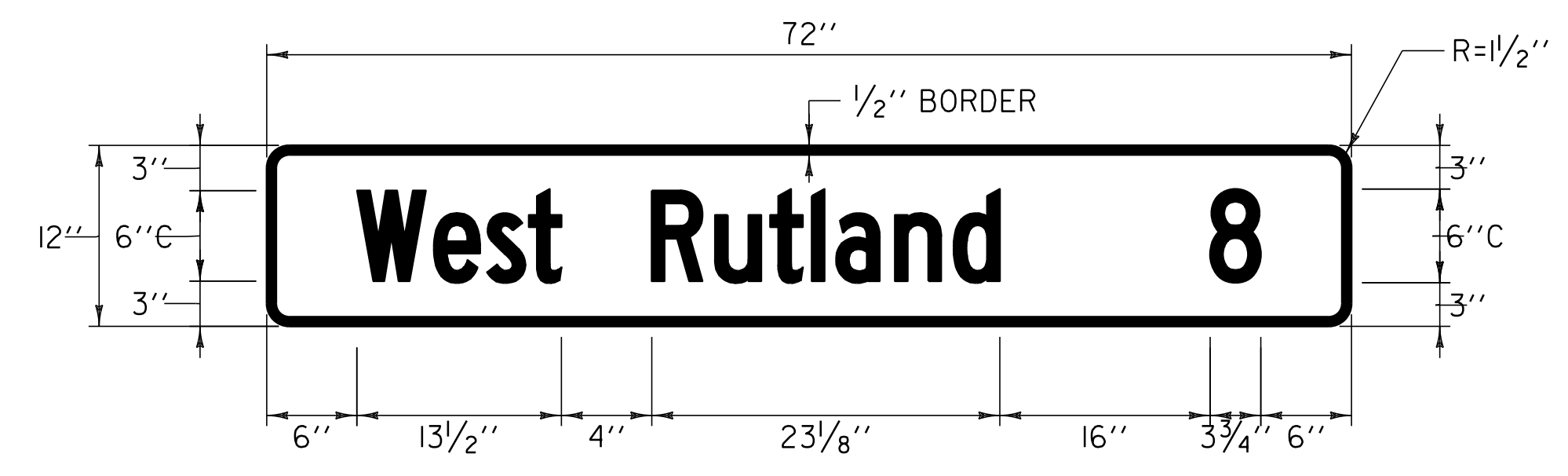
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 208+75.0 LT



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

MATERIAL: PER VAOT STANDARD E-123

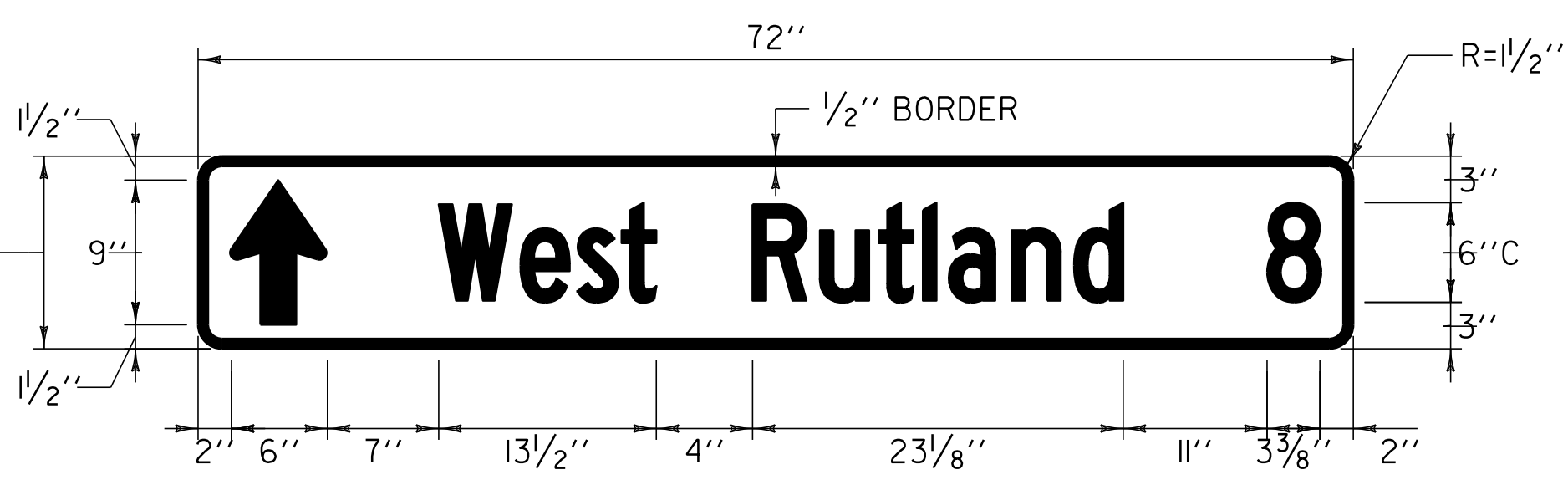
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 214+50.0 LT



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

MATERIAL: PER VAOT STANDARD E-123

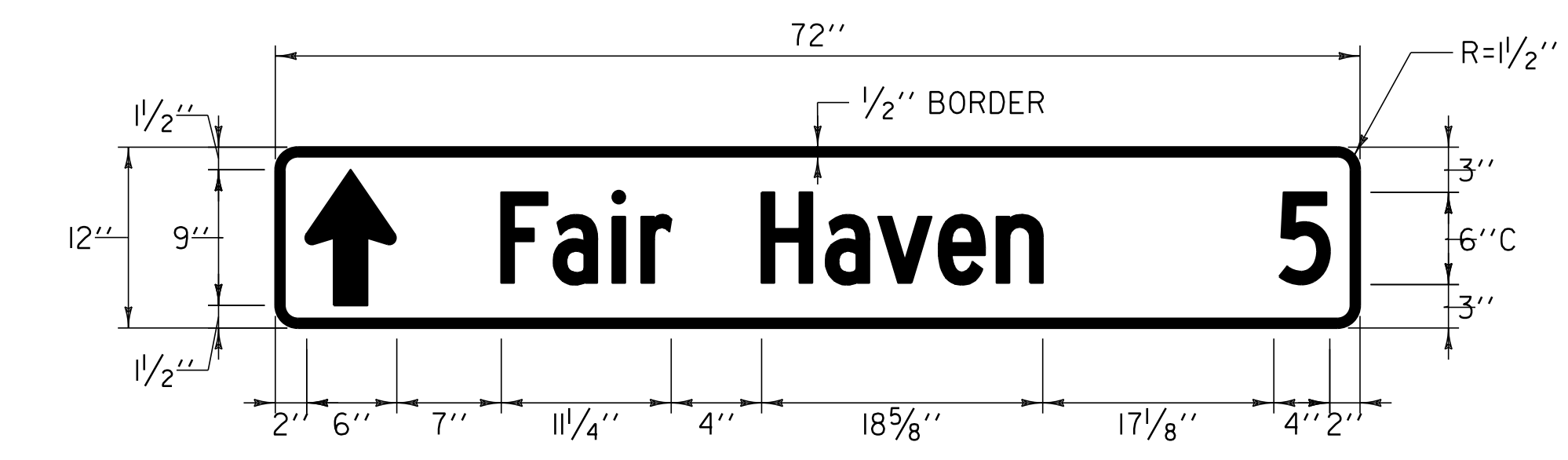
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 215+50.0 RT



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

MATERIAL: PER VAOT STANDARD E-123

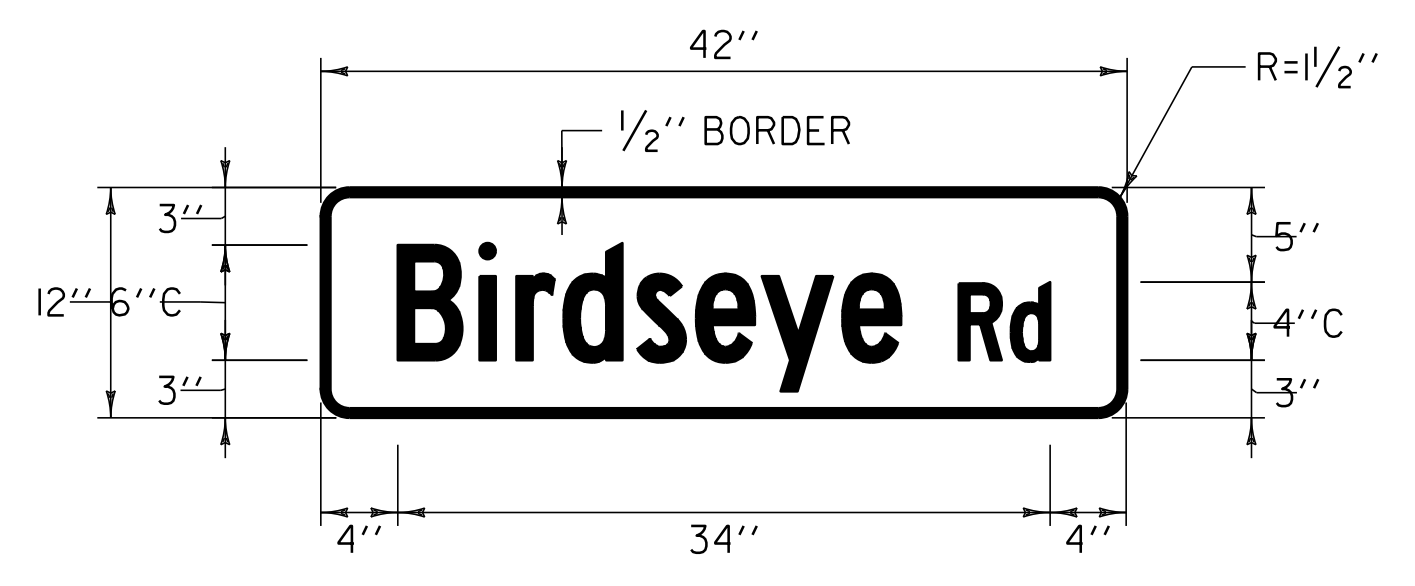
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 209+00.0 RT



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

MATERIAL: PER VAOT STANDARD E-123

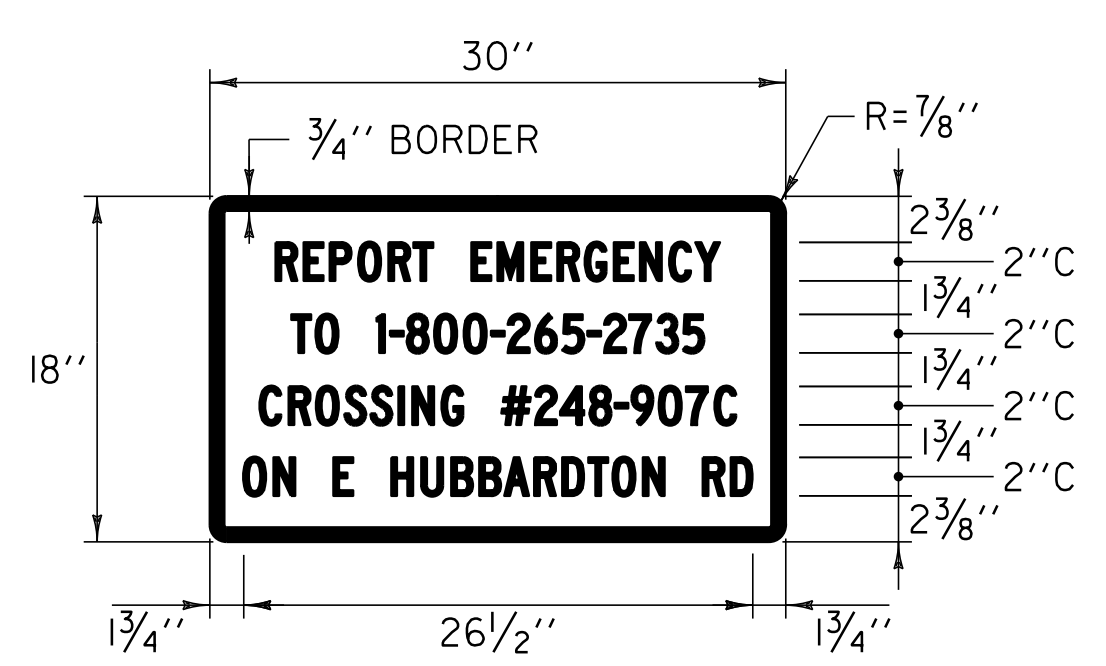
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 214+50.0 LT



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

MATERIAL: PER VAOT STANDARD E-123

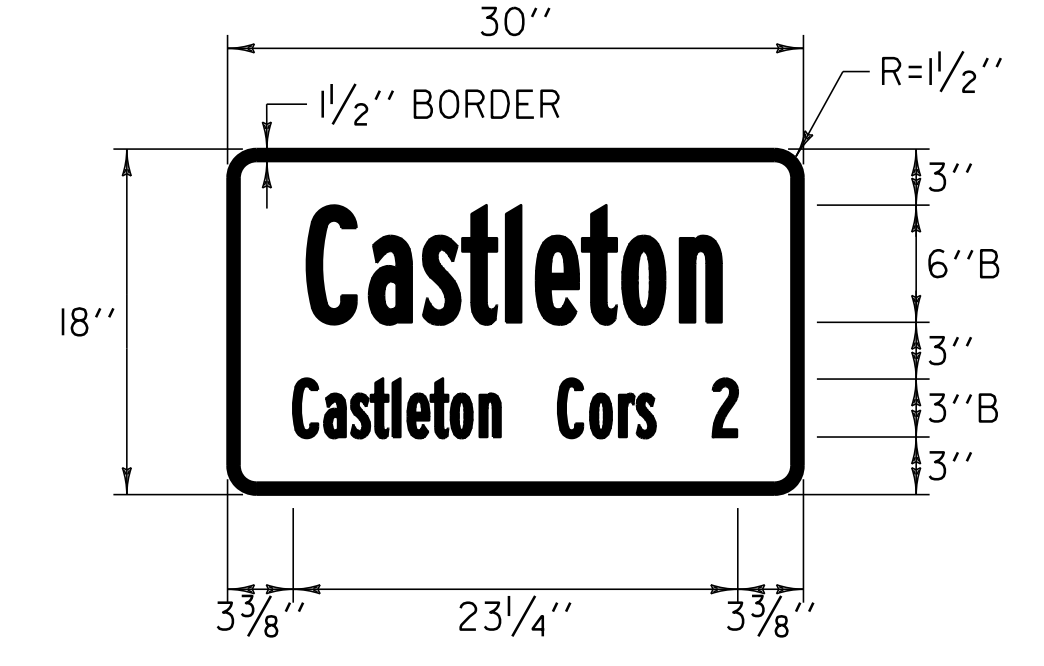
LOCATION: VT. ROUTE 4A
IRA:
STA 33+44.0 RT



COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
BLUE BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-123

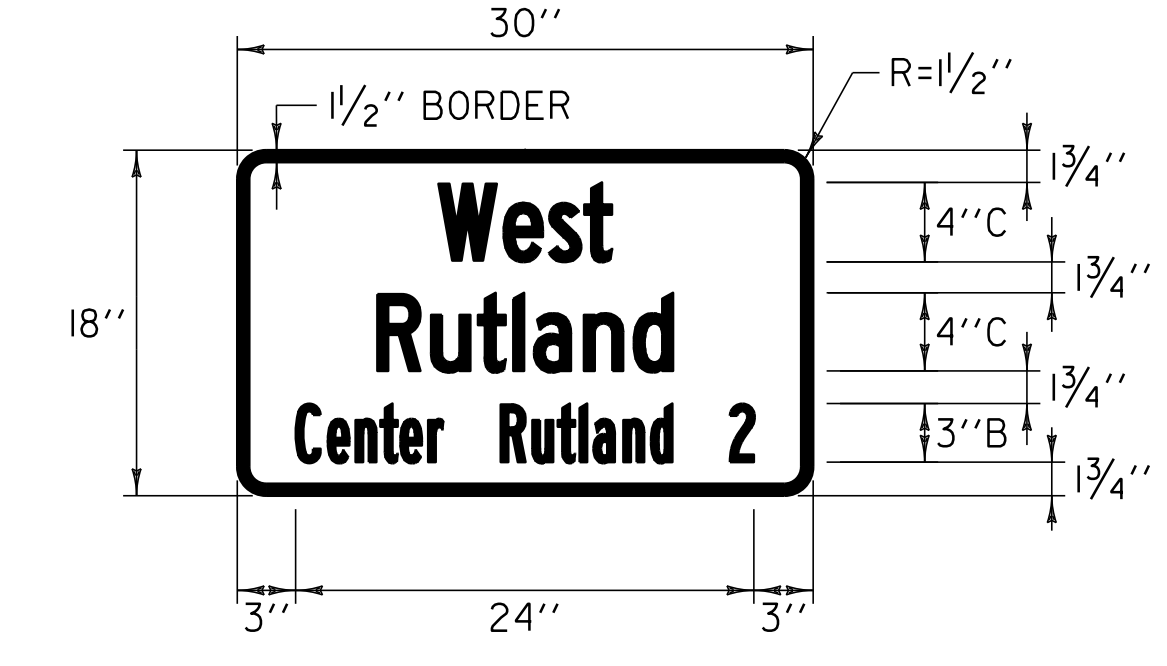
LOCATION: CASTLETON STATE HIGHWAY
CASTLETON:
STA 3+41.0 RT
STA 3+66.0 LT
STA 3+66.0 LT



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

MATERIAL: PER VAOT STANDARD E-128A

LOCATION: CASTLETON:
STA 205+58.0 LT

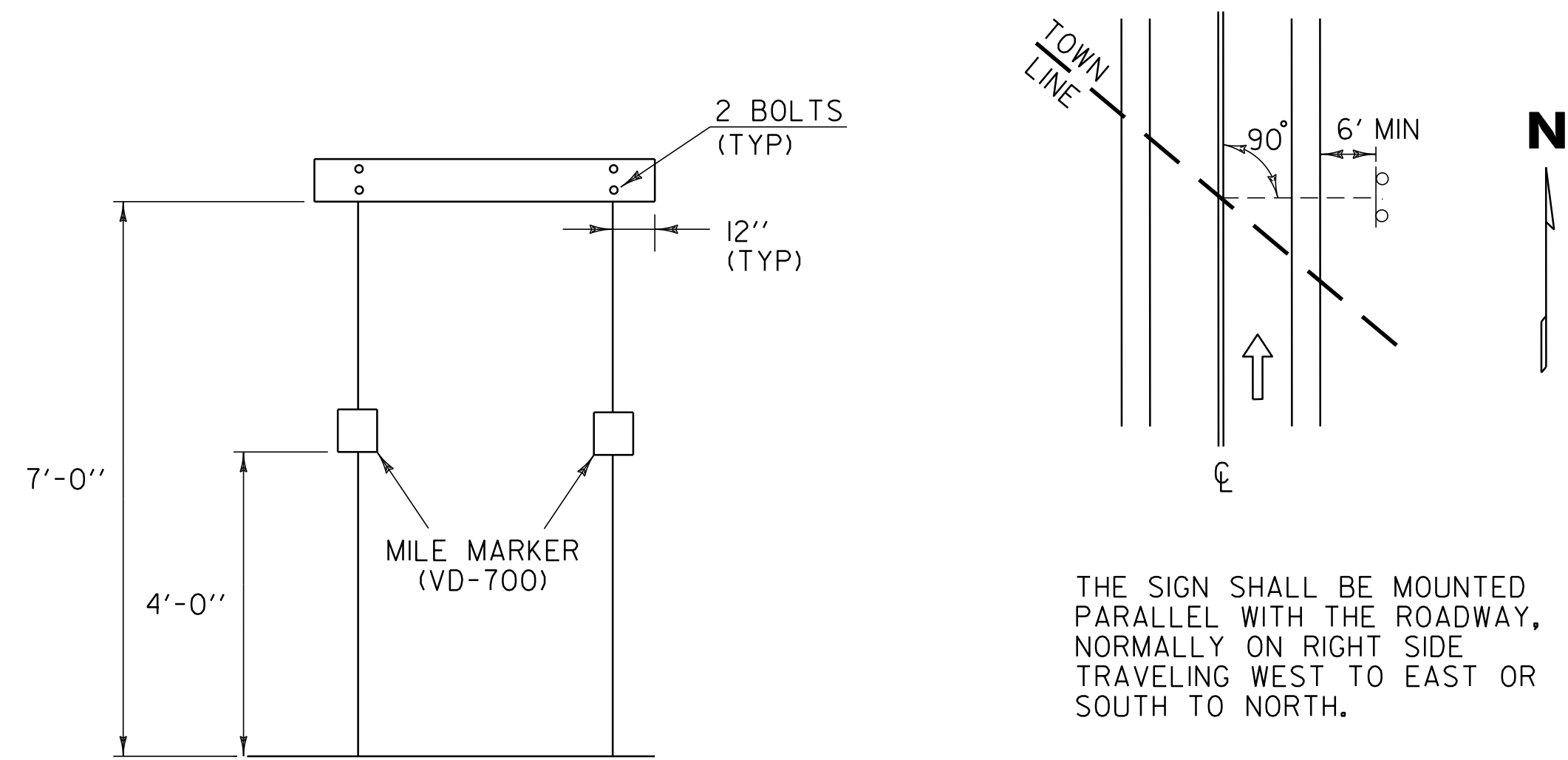


COLOR: WHITE BORDER & TEXT (REFLECTORIZED)
GREEN BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-128A

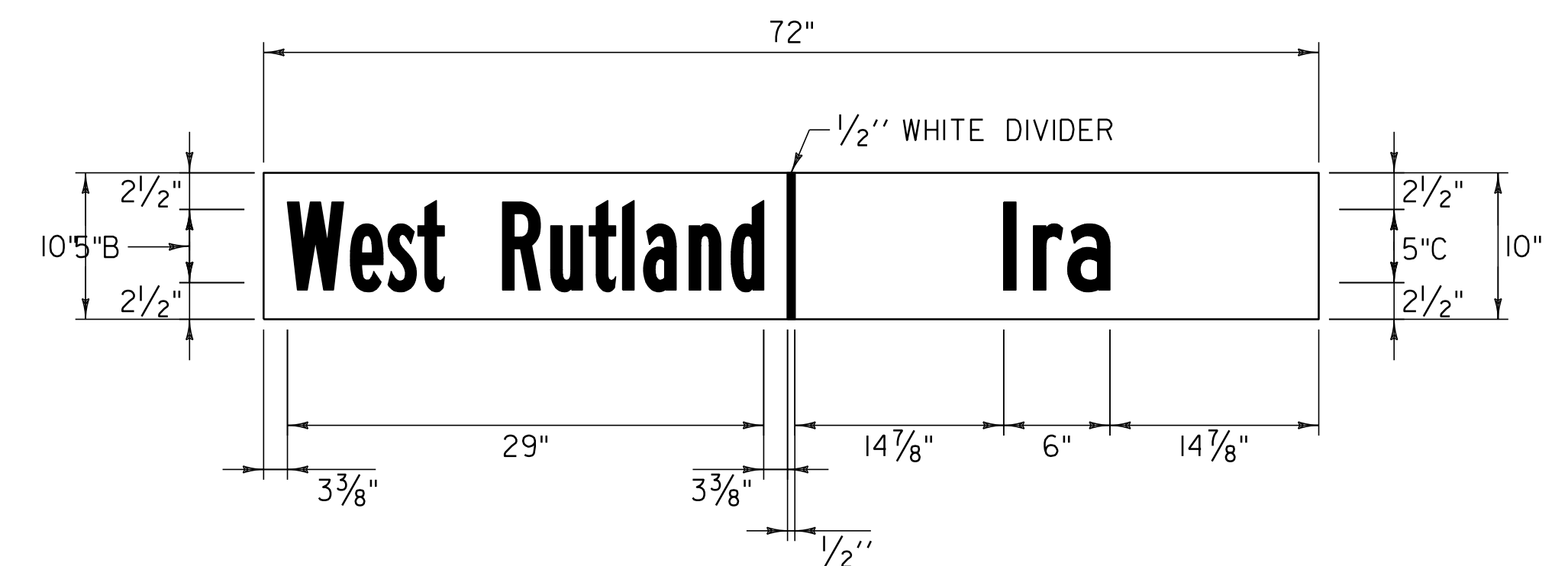
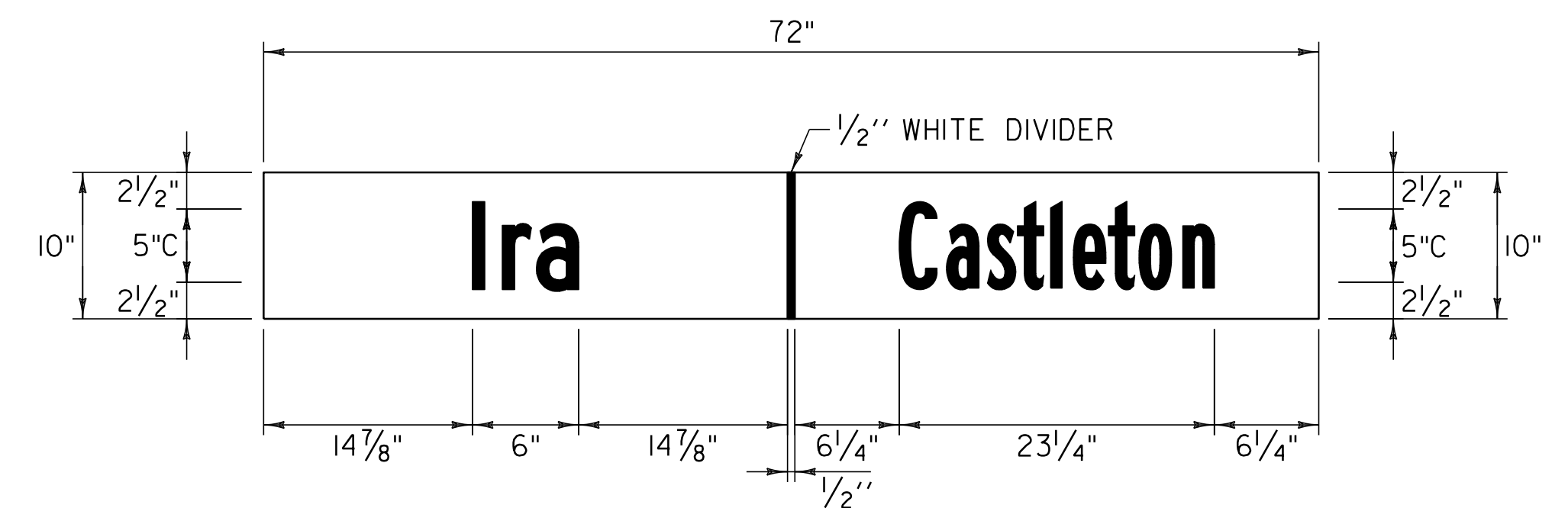
LOCATION: WEST RUTLAND:
STA 60+25.0 RT

TRAFFIC SIGN DETAILS SHEET	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(i)	
	FILE NAME: p07cl68.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68+tsd.i	PLOT DATE: 04-JUN-2013 09:2 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 74 OF 152



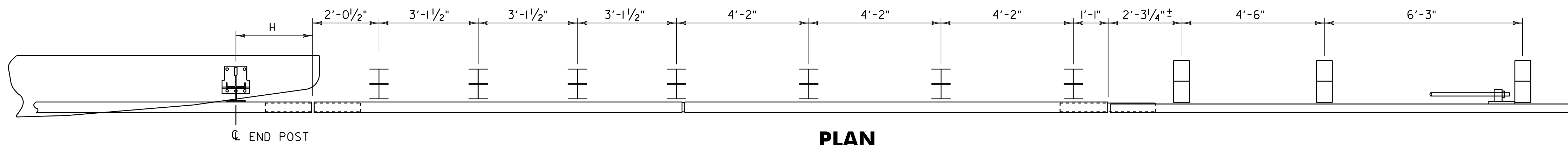
NOTES:

- WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
- DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
- ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
- THE SIGN BASE MATERIAL SHALL BE 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 AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM) TYPE III.
- SIGNS SHALL HAVE A RETROREFLECTIVE WHITE LEGEND ON A RETROREFLECTIVE GREEN BACKGROUND.
- LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.
- 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).

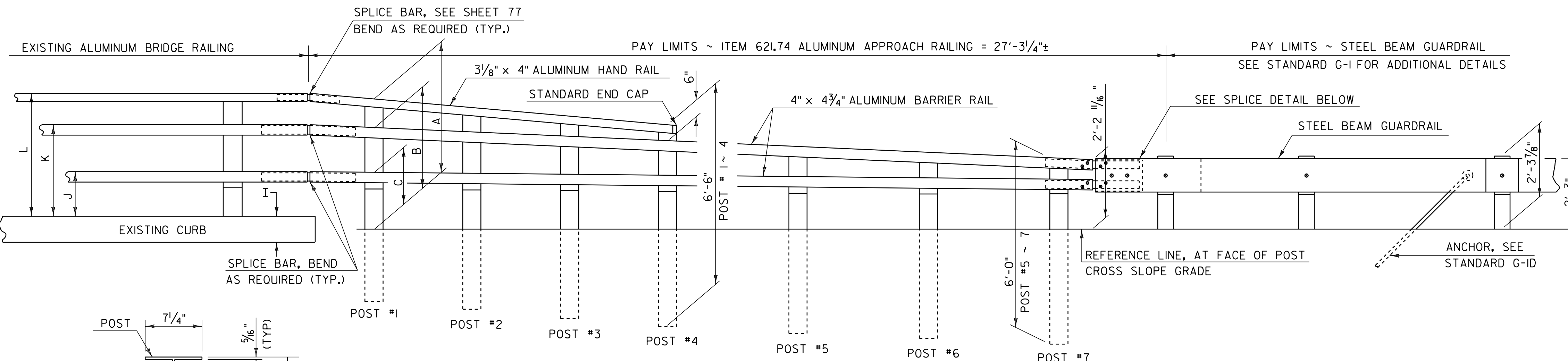


NOT TO SCALE

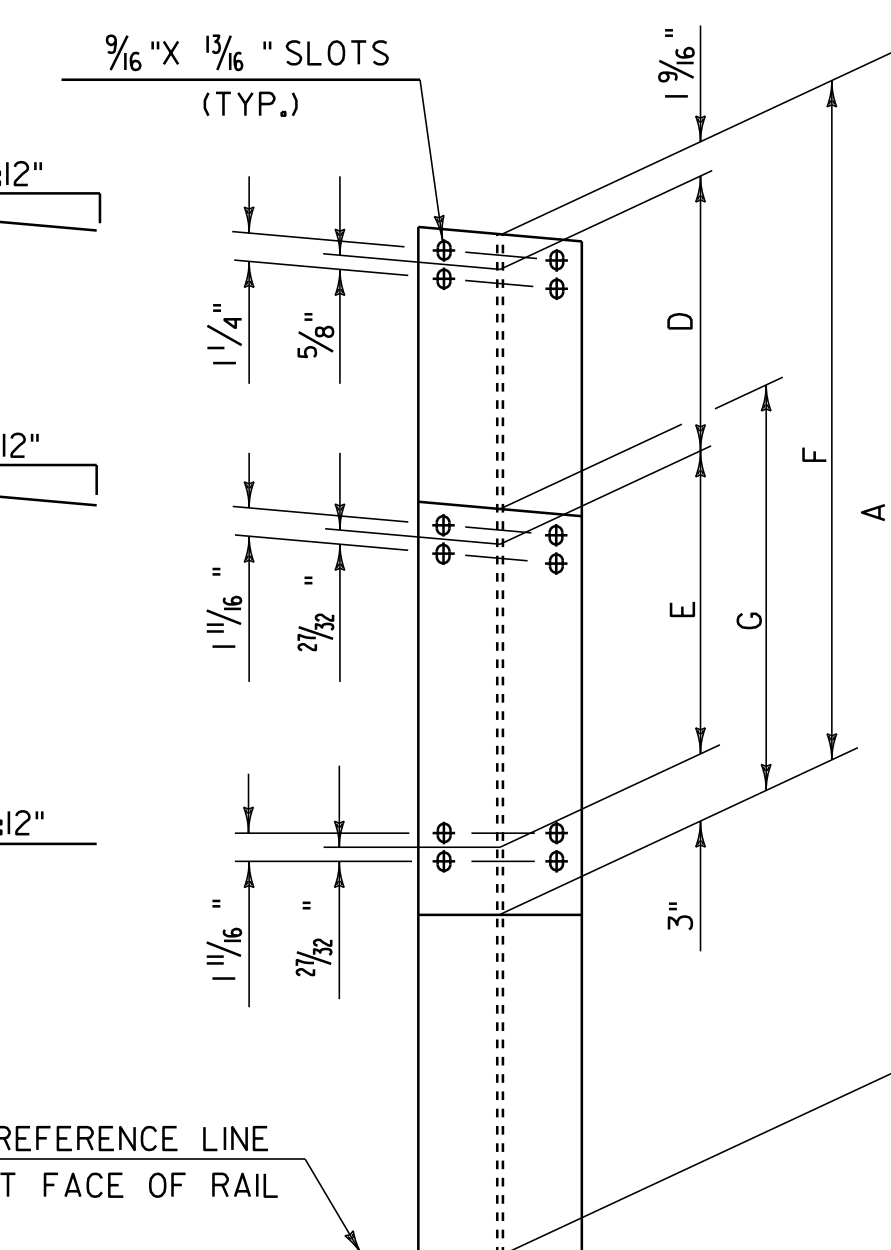
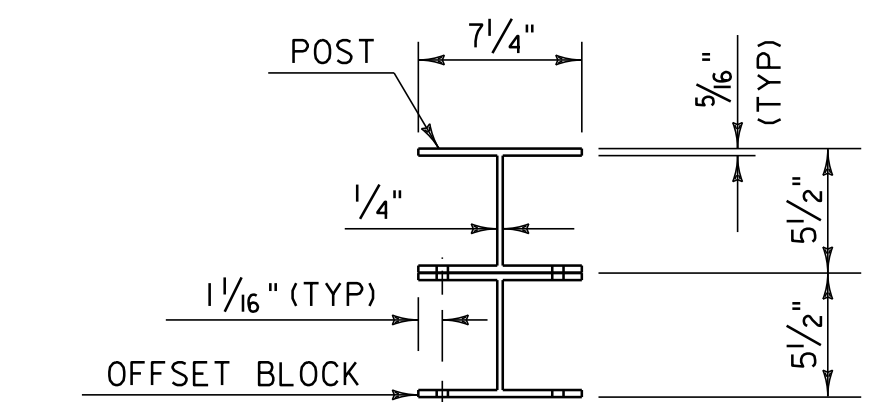
TOWN LINE SIGN DETAILS SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(1)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68+td.i	SHEET 75 OF 152	



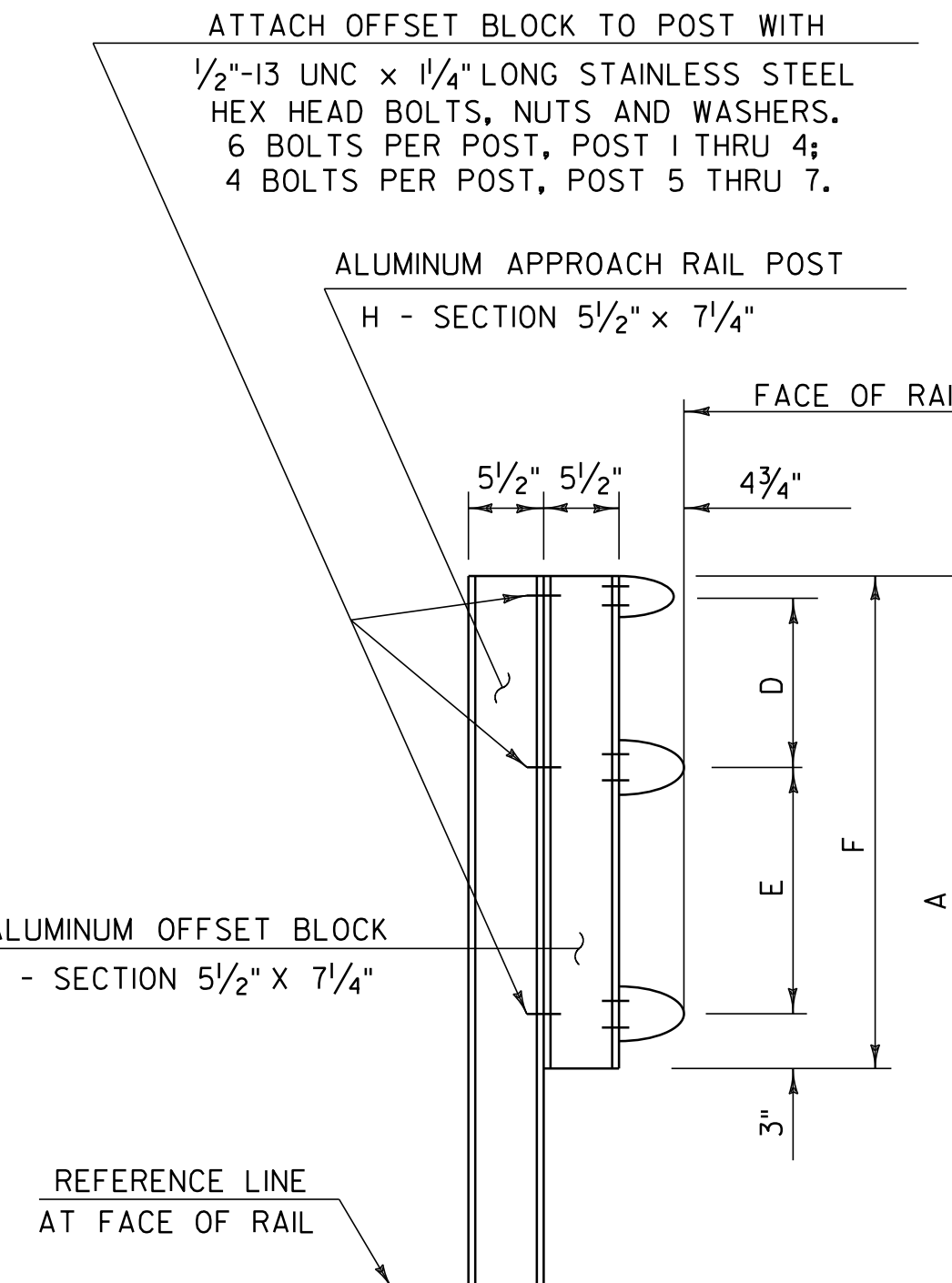
PLAN



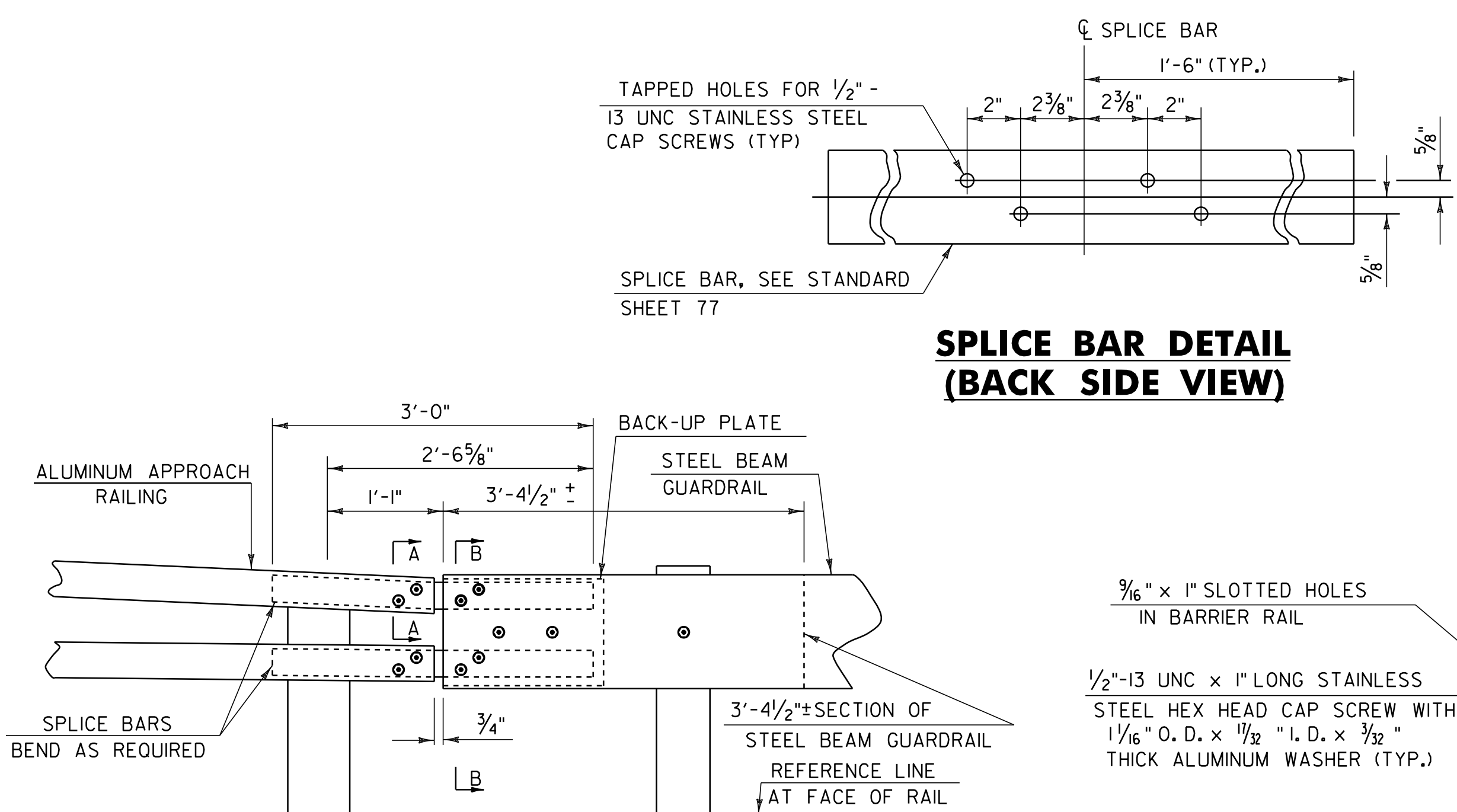
ELEVATION



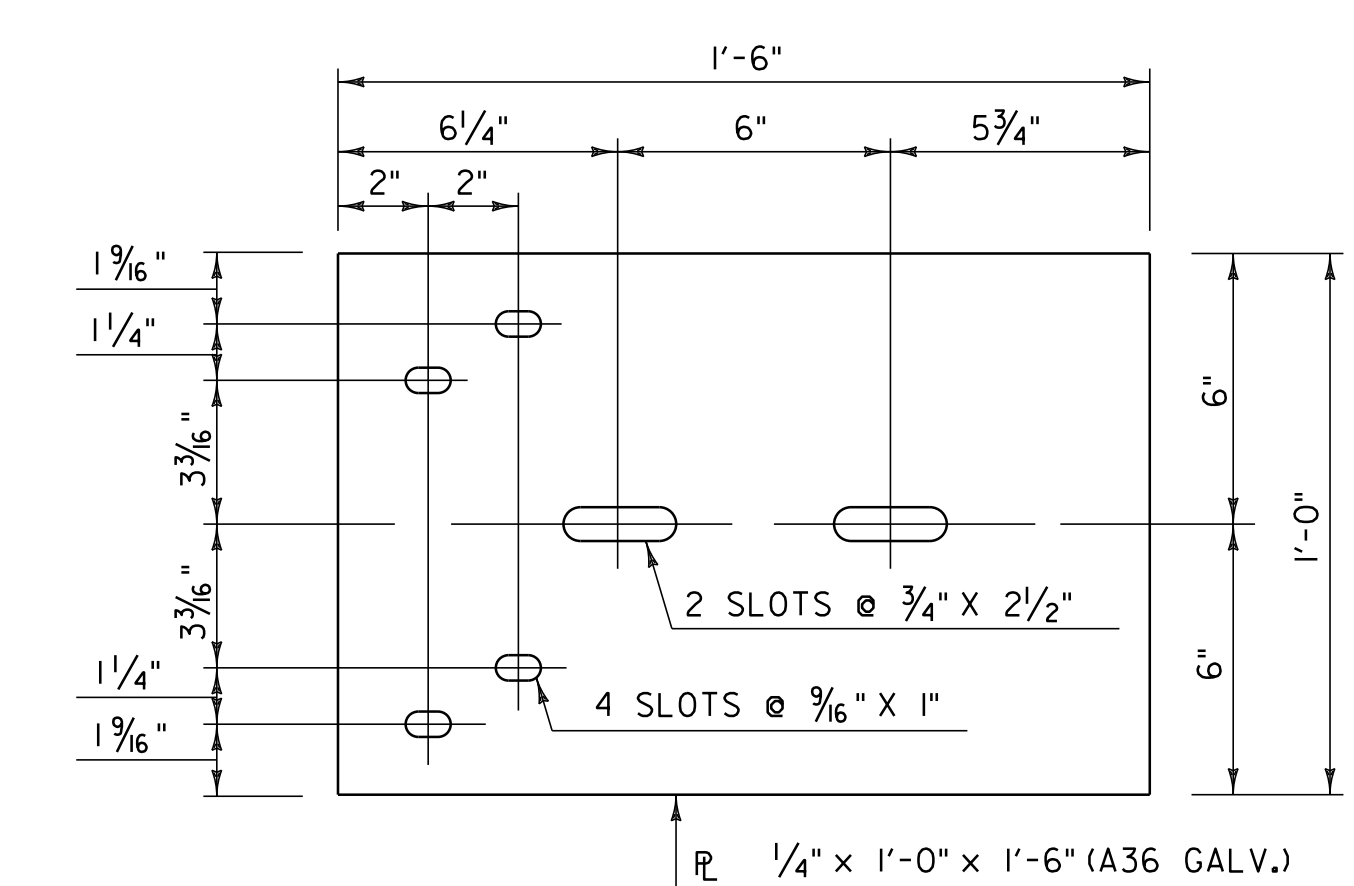
POST ELEVATION & SECTION
(SEE NOTE 7)



RAIL DETAIL
(SEE NOTE 7)

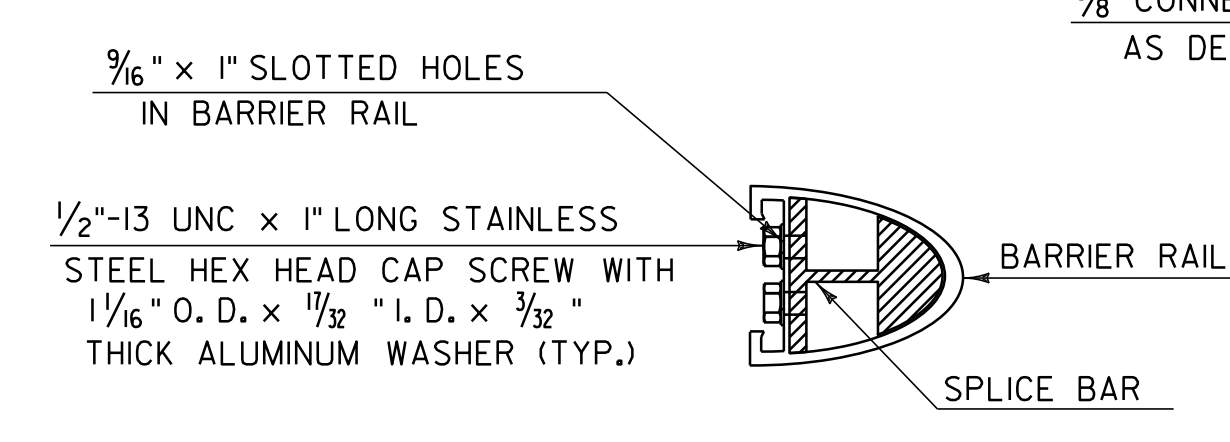


SPLICE DETAIL

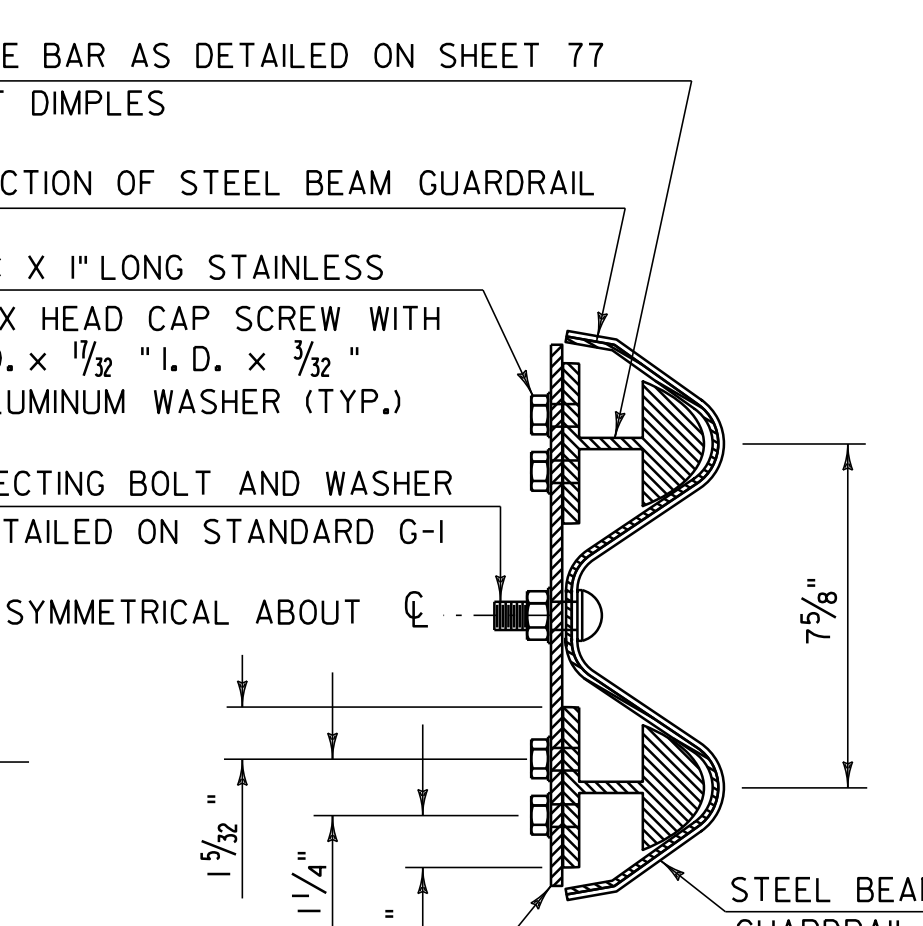


BACK-UP PLATE DETAIL

SPLICE BAR DETAIL (BACK SIDE VIEW)



SECTION A - A



SECTION B - B

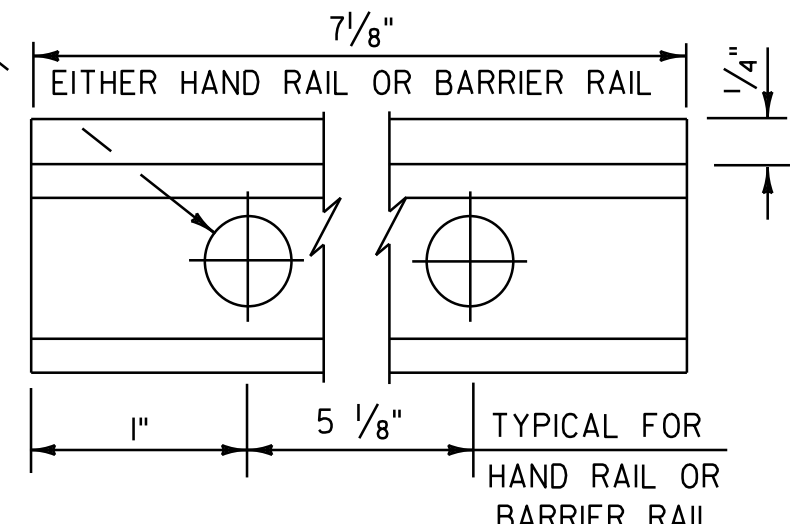
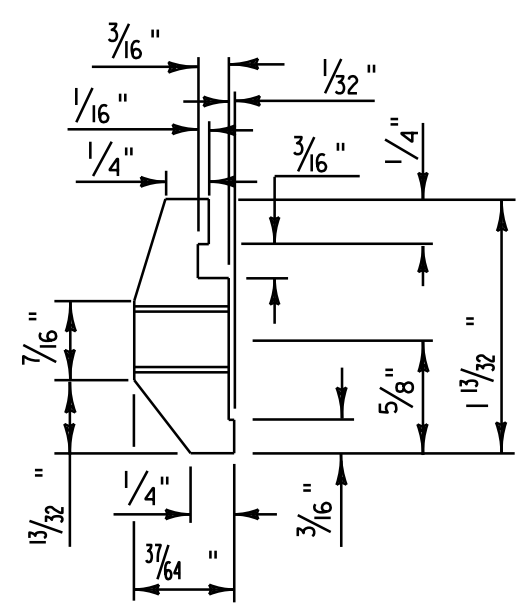
NOTES

1. POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
2. ALL STRUCTURAL STEEL SHALL BE ASTM A-36 GALVANIZED AFTER FABRICATION.
3. ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
4. SEE VAOT STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
5. THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARDRAIL SHALL BE INCIDENTAL TO ITEM 621.74 ALUMINUM APPROACH RAILING.
6. DIMENSIONS SHOWN ARE FROM A REFERENCE LINE AT THE FACE OF POST FOR A NORMAL CROWNED SECTION. APPROPRIATE CORRECTIONS SHALL BE MADE FOR CROSS SLOPES OTHER THAN A NORMAL SECTION.
7. SEE SHEET 78 FOR ALUMINUM APPROACH RAIL DIMENSIONS TABLE.

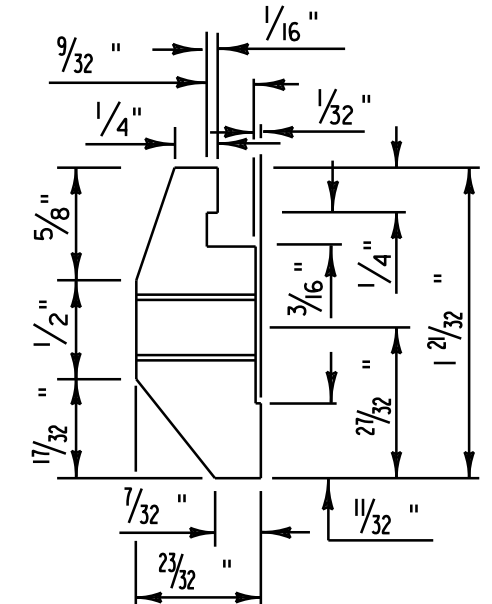
NOT TO SCALE ALUMINUM APPROACH RAILING CONNECTION DETAIL SHEET #1	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(0)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p07cl68aar1.i	SHEET 76 OF 152

NOTE:
1. REFERENCE THIS SHEET WITH SHEETS 77 & 78 ALONG WITH SHEET 86 FOR BR 2 DETAILS.

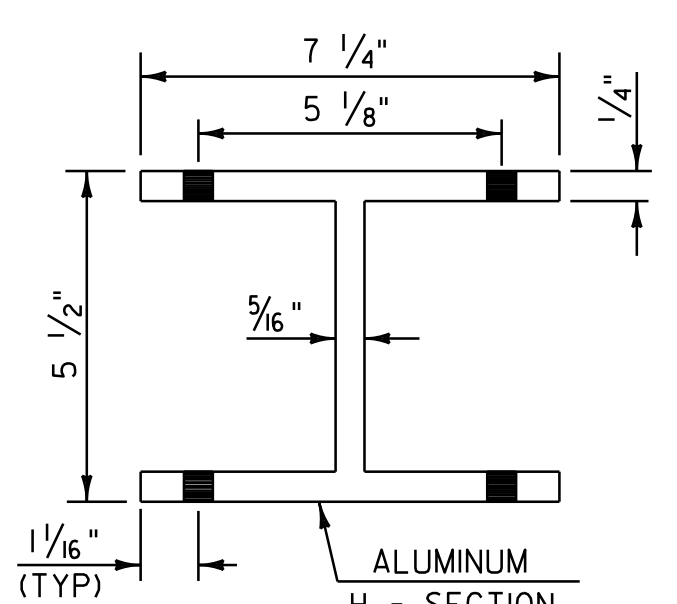
(2) 1/2" - 13 UNC THREADED HOLES FOR (2) 1/2" - 13 UNC X 1" STAINLESS STEEL HEX HEAD BOLTS WITH 1/16" O. D. X 1/32" I. D. X 3/32" THICK ALUMINUM WASHERS.



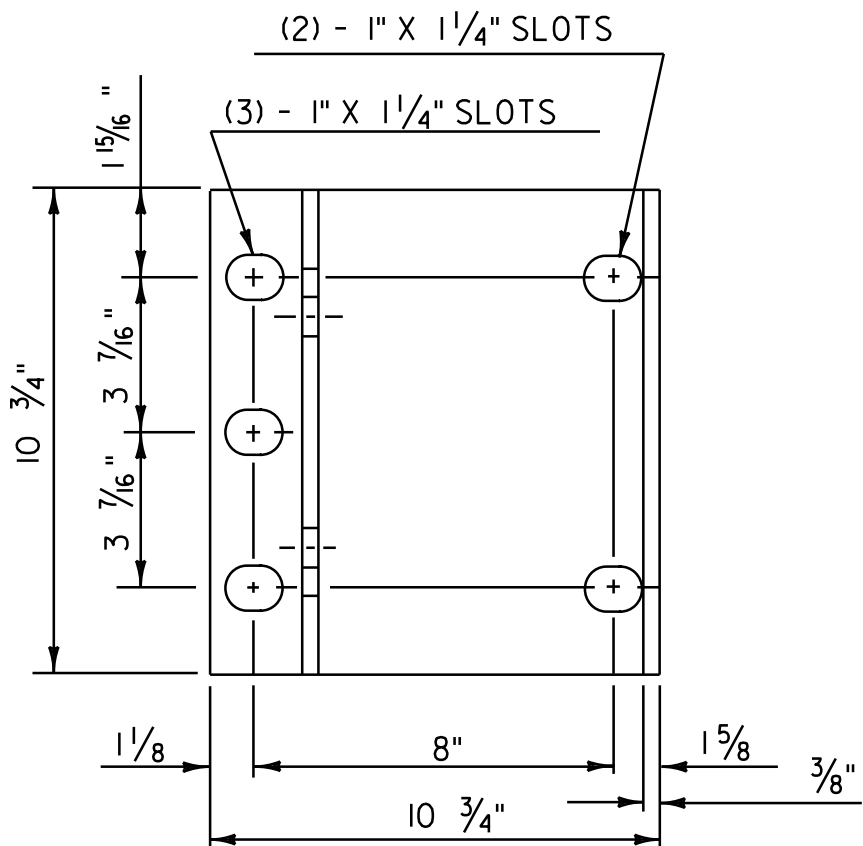
POST CONNECTION ELEVATION



POST CONNECTION BARRIER RAIL SECTION



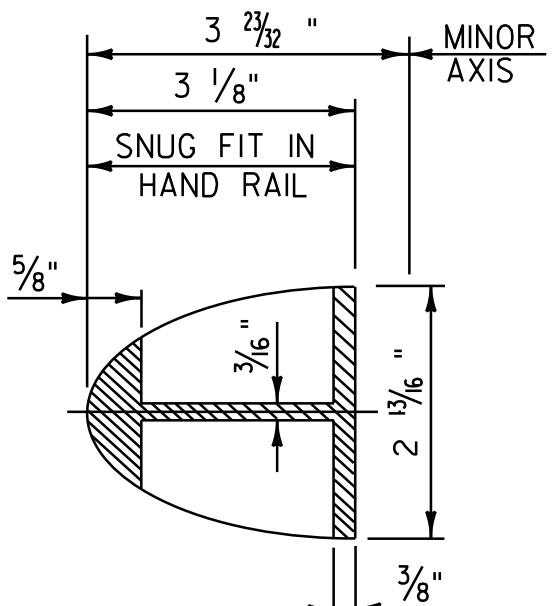
PLAN VIEW OF OFFSET BLOCK (TO BE USED ON SUPERSTRUCTURE ON CURB SIDE)



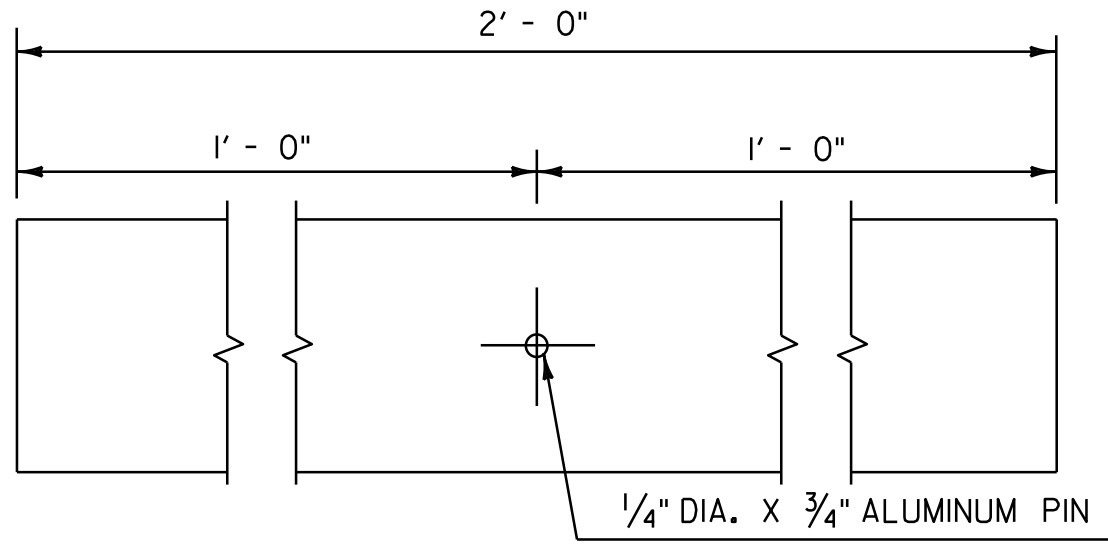
POST BASE PLAN

NOTES

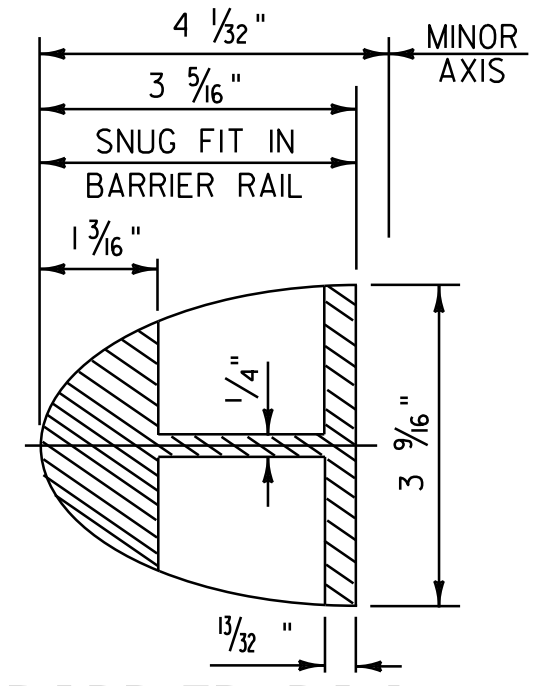
- ANCHOR BOLTS, WASHERS AND HEAVY HEX NUTS SHALL CONFORM TO SUBSECTION 732.02(b)
- ALUMINUM POSTS, POST BASES, SPLICE BARS, CONNECTION BARS, RAILS AND BALUSTER FRAMES SHALL CONFORM TO SUBSECTION 732.02(a).
- ALUMINUM BALUSTER TUBES SHALL CONFORM TO SUBSECTION 732.02(a).
- ALUMINUM RAIL END CAPS SHALL CONFORM TO SUBSECTION 732.02(a).
- THE POST, RAIL, AND OFFSET BLOCK CONNECTION BOLTS SHALL CONFORM TO SUBSECTION 732.02(b).
- SET SCREWS FOR ATTACHING BALUSTERS TO RAILING SHALL CONFORM TO SUBSECTION 732.02(b).
- RIVETS SHALL CONFORM TO SUBSECTION 715.04(k)
- THE ANCHOR PLATE FOR THE POST ANCHOR ASSEMBLY SHALL CONFORM TO SUBSECTION 732.02(c).
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 506.10.
- UNLESS OTHERWISE SPECIFIED, ANCHOR BOLTS SHALL BE CAST INTO THE CONCRETE AS DETAILED.
- WHENEVER FEASIBLE BARRIER RAIL AND HAND RAIL SECTIONS, SHALL BE FULL LENGTH SECTIONS (40'+) AND WHEN POSSIBLE SHALL BE ATTACHED TO THREE POSTS. RAILS SHALL BE SPLICED AT EACH DECK JOINT AND INTERMITTENTLY AS REQUIRED. SPLICES SHALL OCCUR WITHIN THE SAME PANEL.
- ENDS OF RAILS SHALL BE CUT SQUARE AND GROUND FREE OF BURRS OR RAGGED EDGES. EXPOSED ENDS SHALL BE CAPPED.
- THE CONCRETE CONTACT SURFACE AT THE POST BASE SHALL BE BUSH HAMMERED AND/OR SHIMMED AS REQUIRED FOR PROPER POST ALIGNMENT. POST HEIGHT ADJUSTMENTS LESS THAN 1/4" SHALL BE WITH 1/16" AND 1/8" SHIMS. CORRECTIONS EXCEEDING 1/4" SHALL BE WITH MORTAR CONFORMING WITH SUBSECTION 707.03. FABRIC BEARING PADS AND ANY REQUIRED SHIMS OR MORTAR ARE INCIDENTAL TO THE UNIT PRICE BID FOR THE RAILING.
- SHIMS AND 1/8" FABRIC BEARING PADS SHALL BE 10 3/4" SQUARE WITH SLOTTED HOLES SIZED AND LOCATED THE SAME AS THE POST BASE DETAIL. FABRIC BEARING PADS SHALL CONFORM TO SUBSECTION 732.02(f). SHIM MATERIAL SHALL CONFORM TO SUBSECTION 715.04(a).
- EXTRUDED SECTIONS ARE DETAILED TO COMPLY WITH CURRENT AASHTO-AGC-ARTBA STANDARDS. MINOR VARIATIONS OF THE DETAILS SHOWN MAY BE CONSIDERED PROVIDING THEY DO NOT REDUCE THE STRENGTH CAPACITY OF THE RAIL SYSTEM.
- ALUMINUM WASHERS SHALL BE CONFORM TO SUBSECTION 732.02(b).
- REFERENCE THIS SHEET WITH SHEETS 76 & 78 ALONG WITH SHEET 86 FOR BR 2 DETAILS.



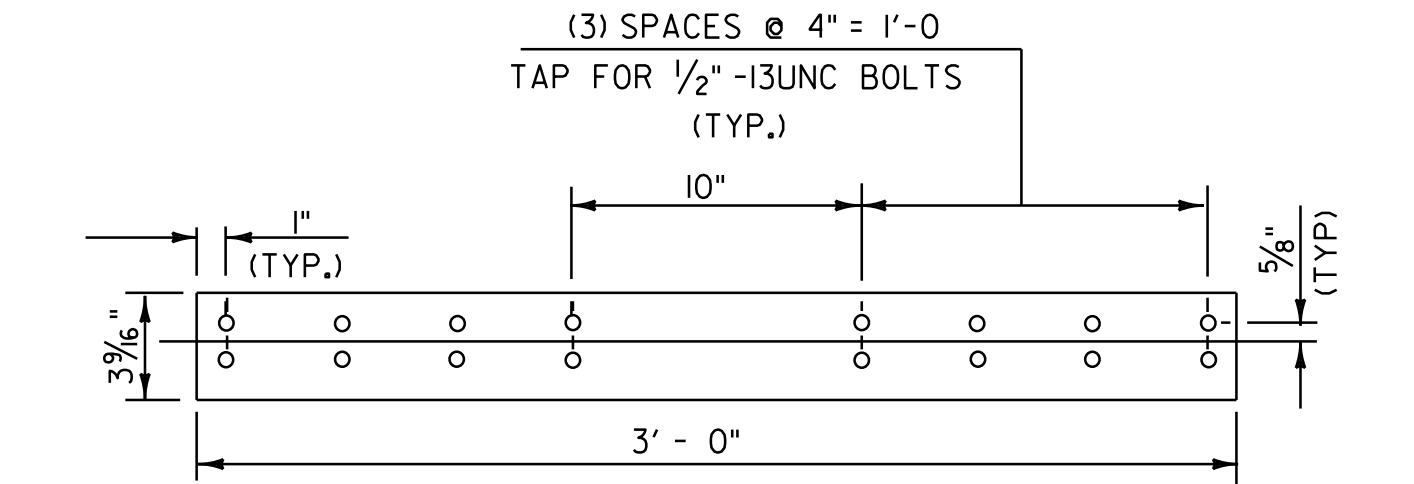
HAND RAIL SPLICE SECTION



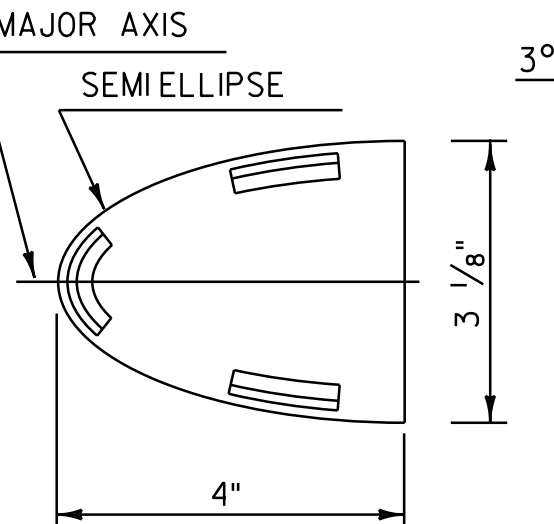
ELEVATION OF HAND RAIL SPLICE BAR



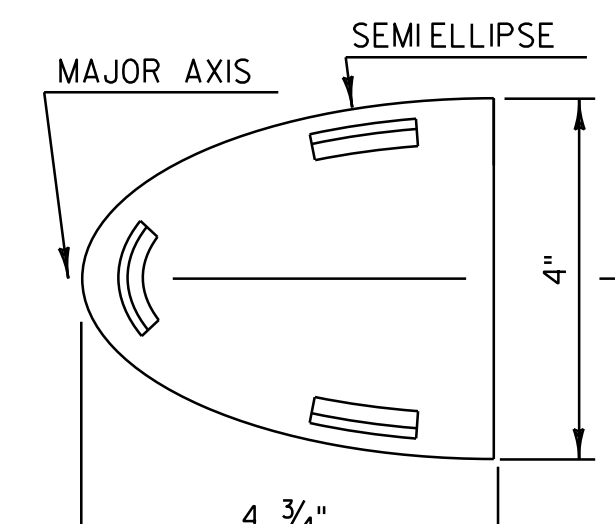
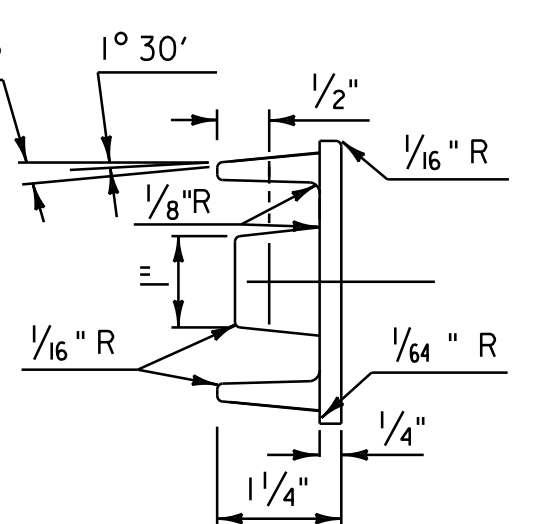
BARRIER RAIL SPLICE SECTION



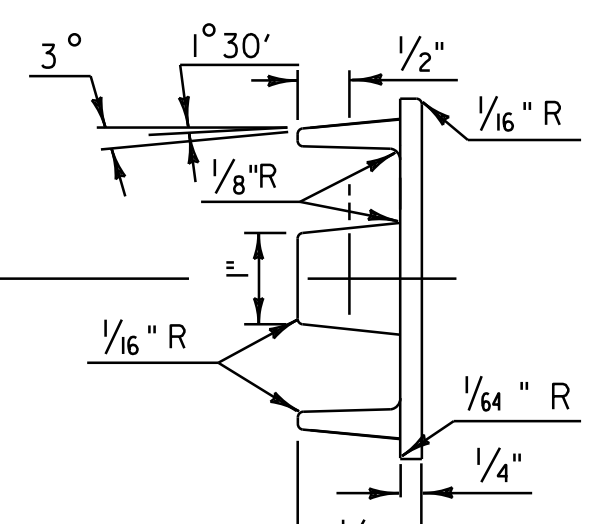
ELEVATION OF STD. BARRIER RAIL SPLICE BAR (FROM BACK)



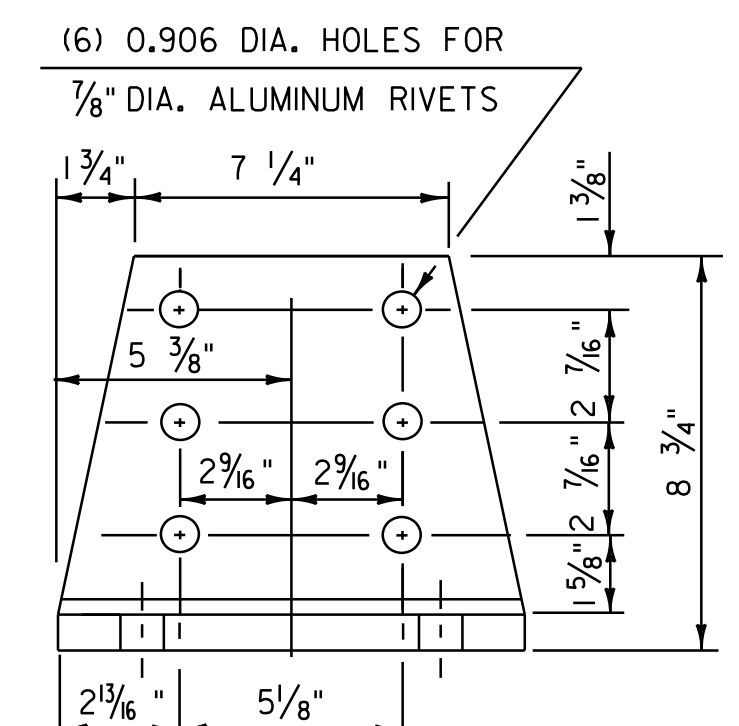
HAND RAIL END CAP



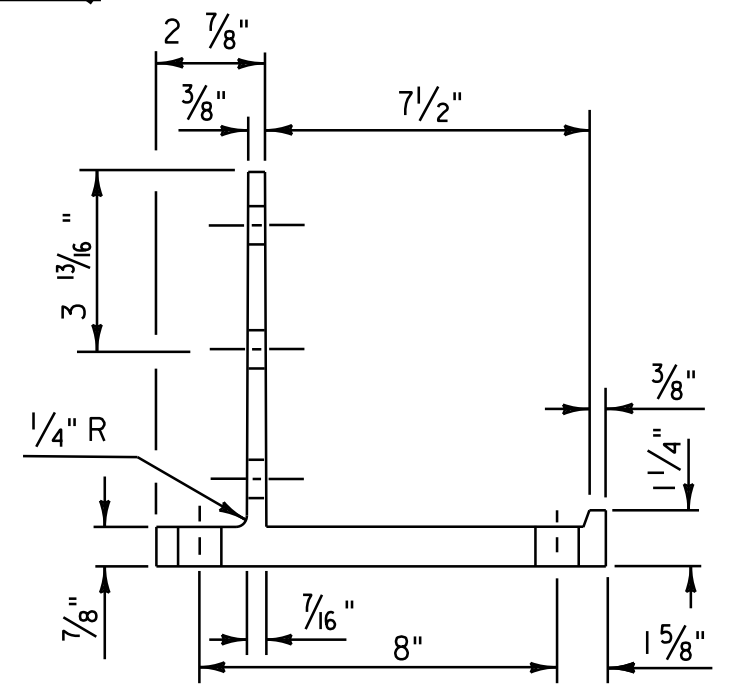
BARRIER RAIL END CAP



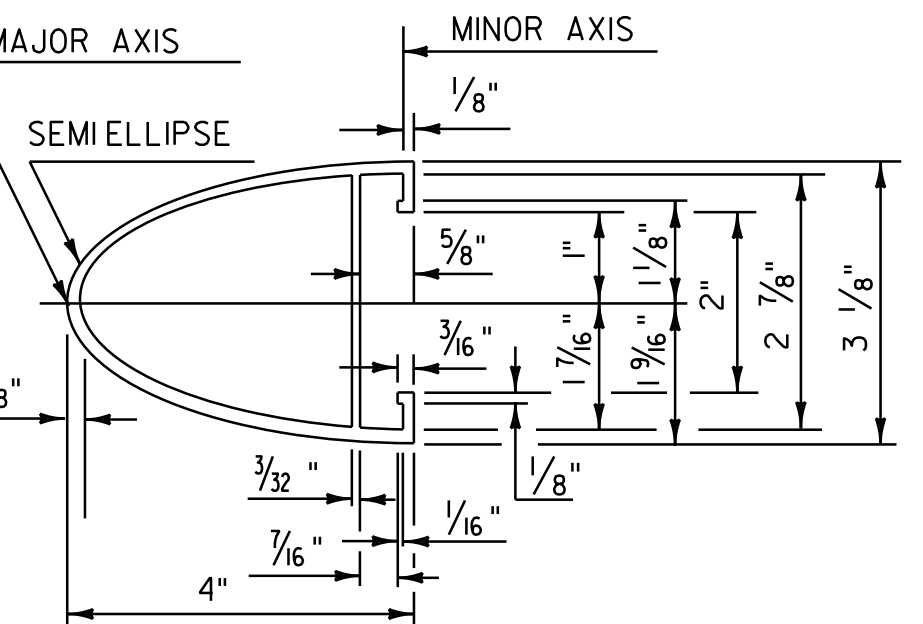
(SEE SHEET 76 FOR ELEVATION OF BARRIER RAIL SPLICE BAR)



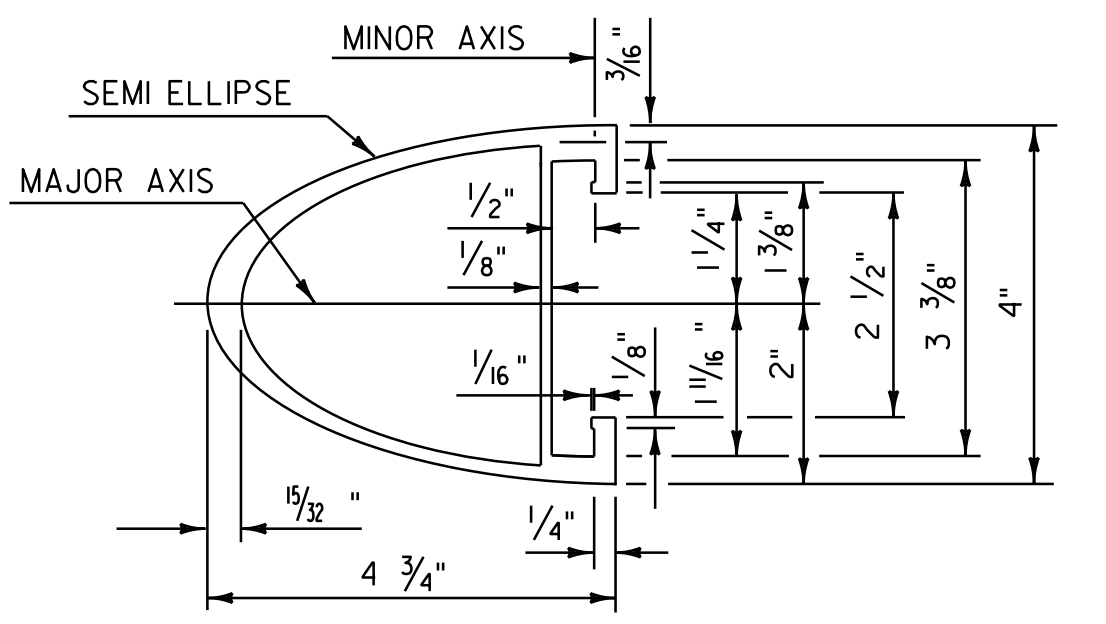
POST BASE FRONT ELEVATION



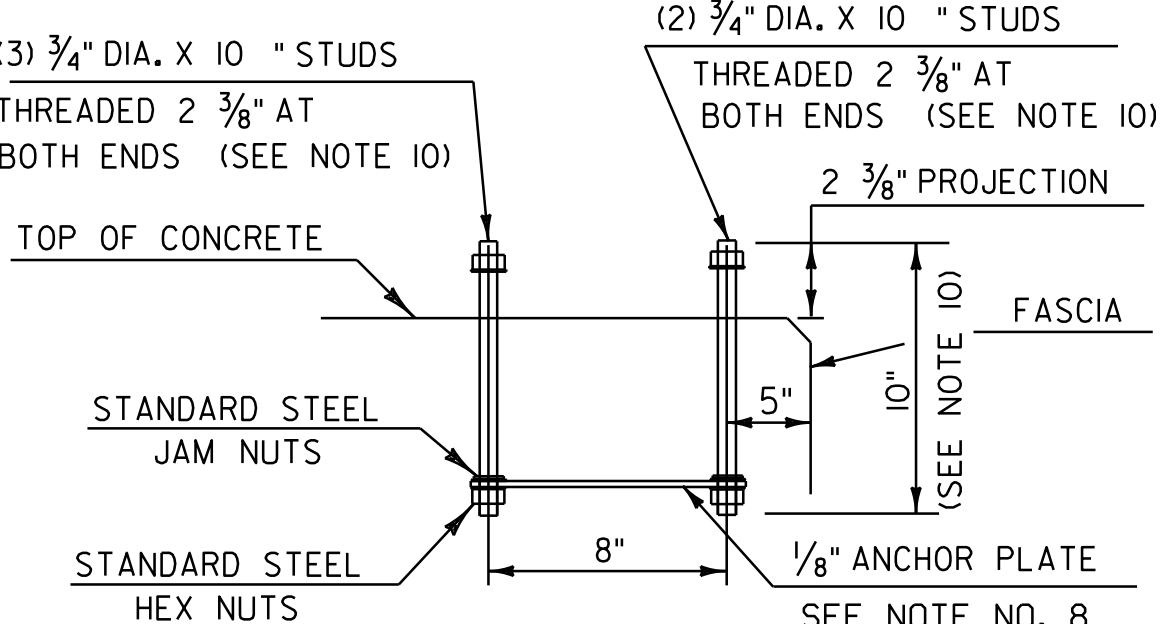
POST BASE SECTION



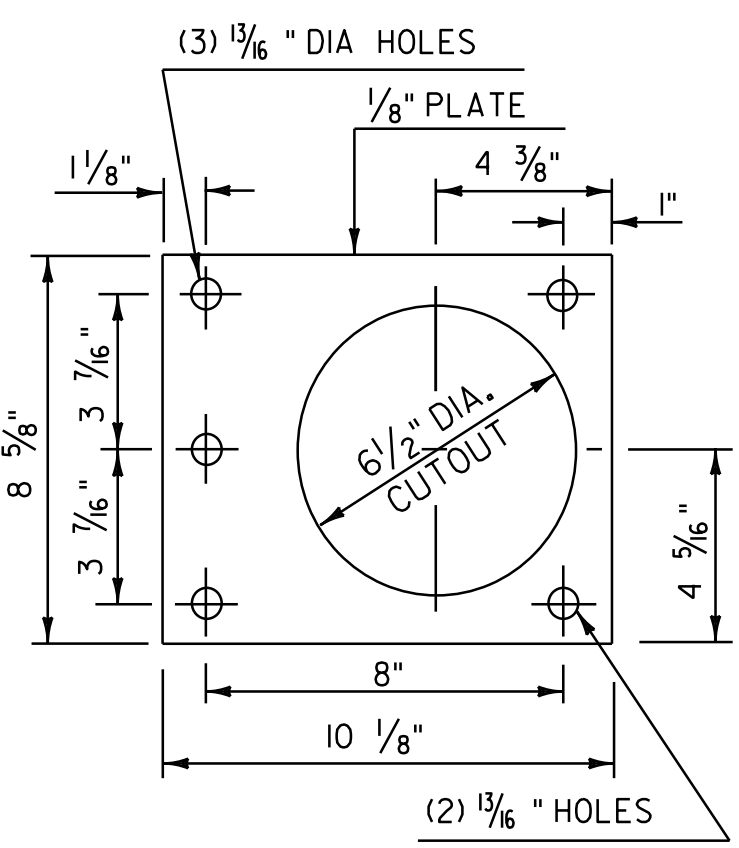
HAND RAIL SECTION



BARRIER RAIL SECTION



POST ANCHOR ASSEMBLY



ANCHOR PLATE

NOT TO SCALE

ALUMINUM APPROACH RAILING CONNECTION DETAIL SHEET #2

PROJECT NAME:	CASTLETON - WEST RUTLAND
PROJECT NUMBER:	STP 2705(i)
FILE NAME:	p07cl68.dgn
PROJECT LEADER:	D.E.G.
DESIGNED BY:	M.J.M.
IPARM FILE:	p07cl68aar2.i
PLOT DATE:	04-JUN-2013 09:2
DRAWN BY:	W.G.P.
CHECKED BY:	D.E.G.
SHEET	77 OF 152

ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS			
	A	B	C	D	E	F	G
	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN)
1	46 $\frac{1}{2}$	35 $\frac{3}{4}$	23 $\frac{3}{16}$	11 $\frac{3}{16}$	12 $\frac{5}{8}$	28 $\frac{5}{16}$	17 $\frac{5}{8}$
2	43 $\frac{13}{16}$	34 $\frac{5}{8}$	22 $\frac{1}{16}$	9 $\frac{9}{16}$	12	26 $\frac{1}{8}$	17
3	41 $\frac{1}{16}$	33 $\frac{1}{2}$	22 $\frac{1}{8}$	8	11 $\frac{3}{8}$	23 $\frac{5}{16}$	16 $\frac{3}{8}$
4	38 $\frac{3}{8}$	32 $\frac{3}{8}$	21 $\frac{5}{8}$	6 $\frac{7}{16}$	10 $\frac{3}{4}$	21 $\frac{3}{4}$	15 $\frac{3}{4}$
5	-	30 $\frac{7}{8}$	20 $\frac{15}{16}$	-	9 $\frac{15}{16}$	-	14 $\frac{15}{16}$
6	-	29 $\frac{3}{8}$	20 $\frac{5}{16}$	-	9 $\frac{1}{8}$	-	14 $\frac{1}{8}$
7	-	27 $\frac{7}{8}$	19 $\frac{5}{8}$	-	8 $\frac{5}{16}$	-	13 $\frac{5}{16}$

ALL REMAINING POSTS ARE TO HAVE THE SAME DIMENSIONS AS POST NO. 7

CURB SIDE	
"X"	$\frac{7}{8}$ (IN)
"Y"	$\frac{3}{8}$ (IN)
"Z"	$\frac{3}{16}$ (IN)

H	18 $\frac{3}{4}$ (IN)
I	9 $\frac{1}{4}$ (IN)
J	14 $\frac{1}{4}$ (IN)
K	27 $\frac{1}{4}$ (IN)
L	39 (IN)

BRIDGE 2 - CASTLETON STATE HIGHWAY
STA 11+89.8 - STA 12+17.0 LT

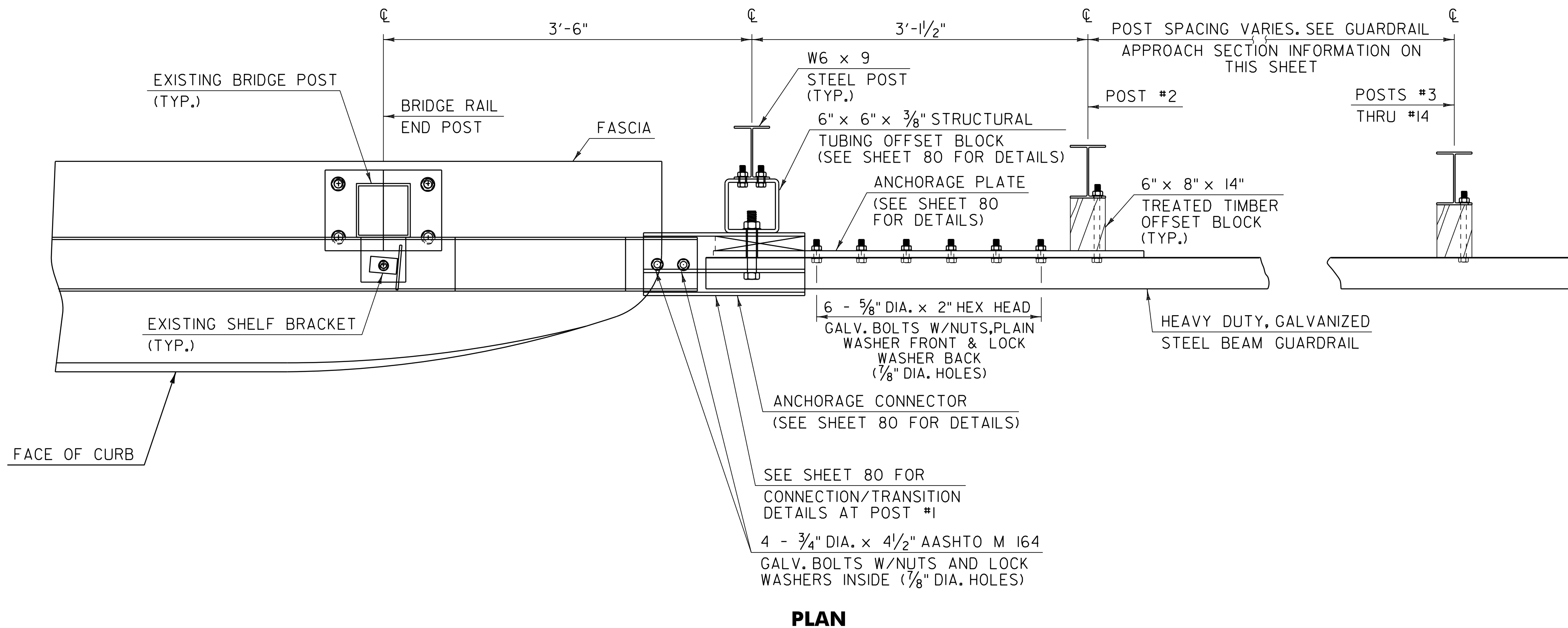
SEE SHEETS 76 & 77
FOR ALUMINUM APPROACH RAIL DETAILS

**ALUMINUM
APPROACH
RAILING
CONNECTION
DETAIL
SHEET #3**

PROJECT NAME: CASTLETON - WEST RUTLAND
PROJECT NUMBER: STP 2705(1)

FILE NAME: p07cl68.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p07cl68aar3.i

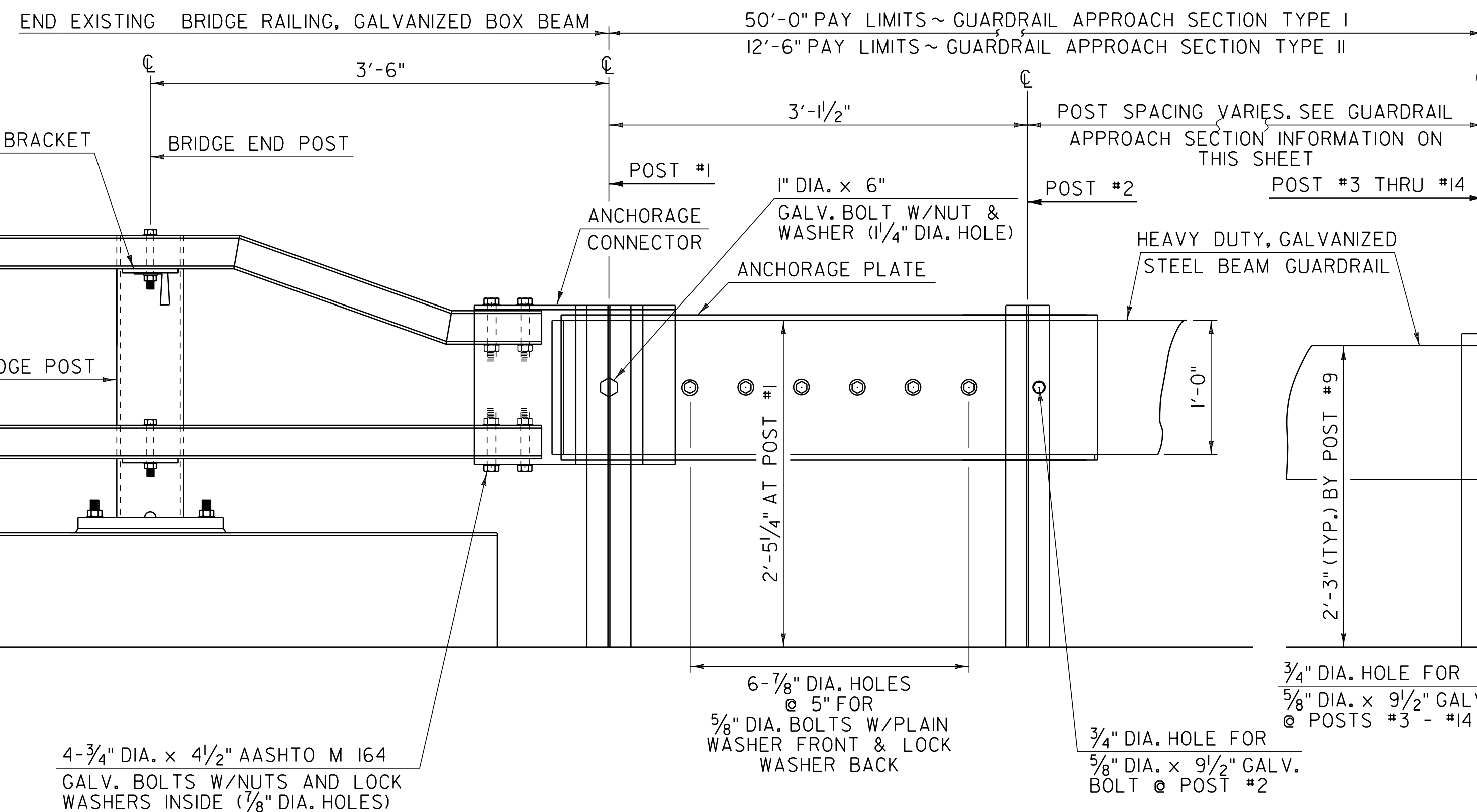
PLOT DATE: 04-JUN-2013 09:2
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 78 OF 152



GUARDRAIL APPROACH SECTION, TYPE I

POST NO.	SPACING
1	3'-1 1/2"
2	3'-1 1/2"
3	3'-1 1/2"
4	3'-1 1/2"
5	3'-1 1/2"
6	3'-1 1/2"
7	3'-1 1/2"
8	3'-1 1/2"
9	3'-1 1/2"
10	4'-2"
11	4'-2"
12	4'-2"
13	6'-3"
14	6'-3"

50'-0" PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE I



GUARDRAIL APPROACH SECTION, TYPE II

POST NO.	SPACING
1	3'-1 1/2"
2	4'-8 1/4"
3	4'-8 1/4"
4	4'-8 1/4"

12'-6" PAY LENGTH GUARDRAIL APPROACH SECTION, TYPE II

NOTE:

1. REFERENCE THIS SHEET WITH SHEET 80 ALONG WITH SHEET 83 FOR BR II DETAILS & SHEET 84 FOR BR 12 DETAILS.

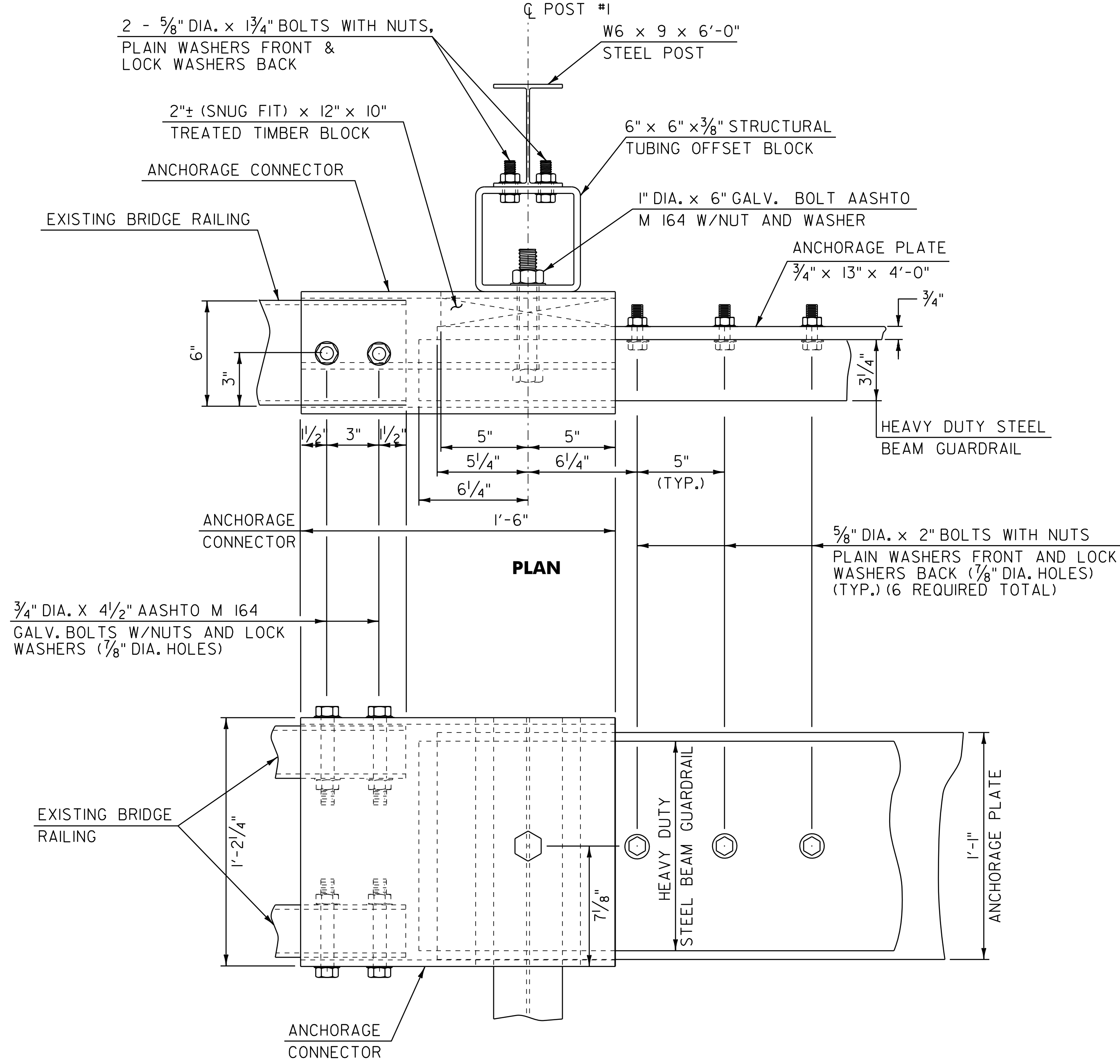
NOT TO SCALE

GUARDRAIL APPROACH SECTION DETAIL SHEET #1

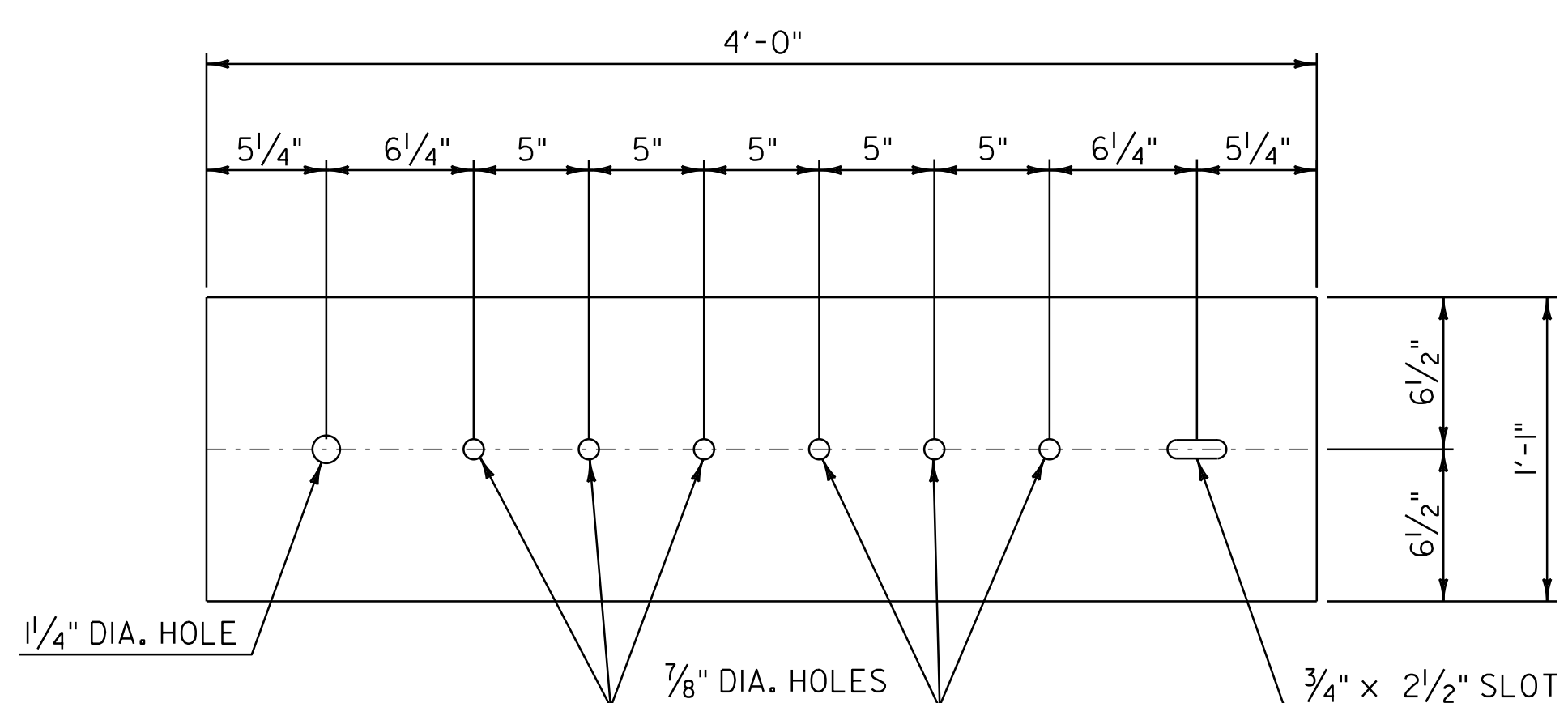
PROJECT NAME: CASTLETON - WEST RUTLAND
PROJECT NUMBER: STP 2705(1)

FILE NAME: p07cl68.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p07cl68gasl.i

PLOT DATE: 04-JUN-2013 09:2
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 79 OF 152

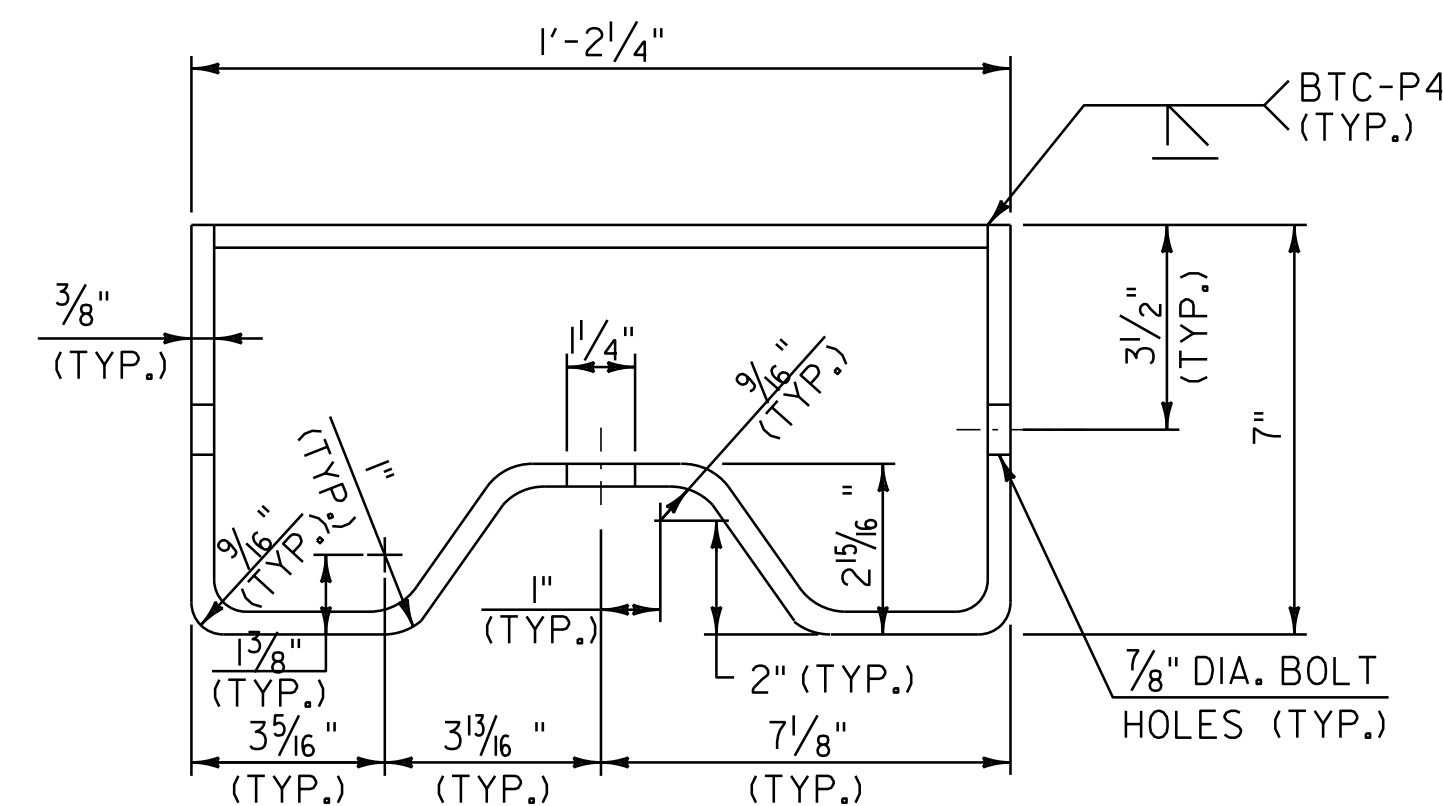


CONNECTION DETAILS AT POST #1

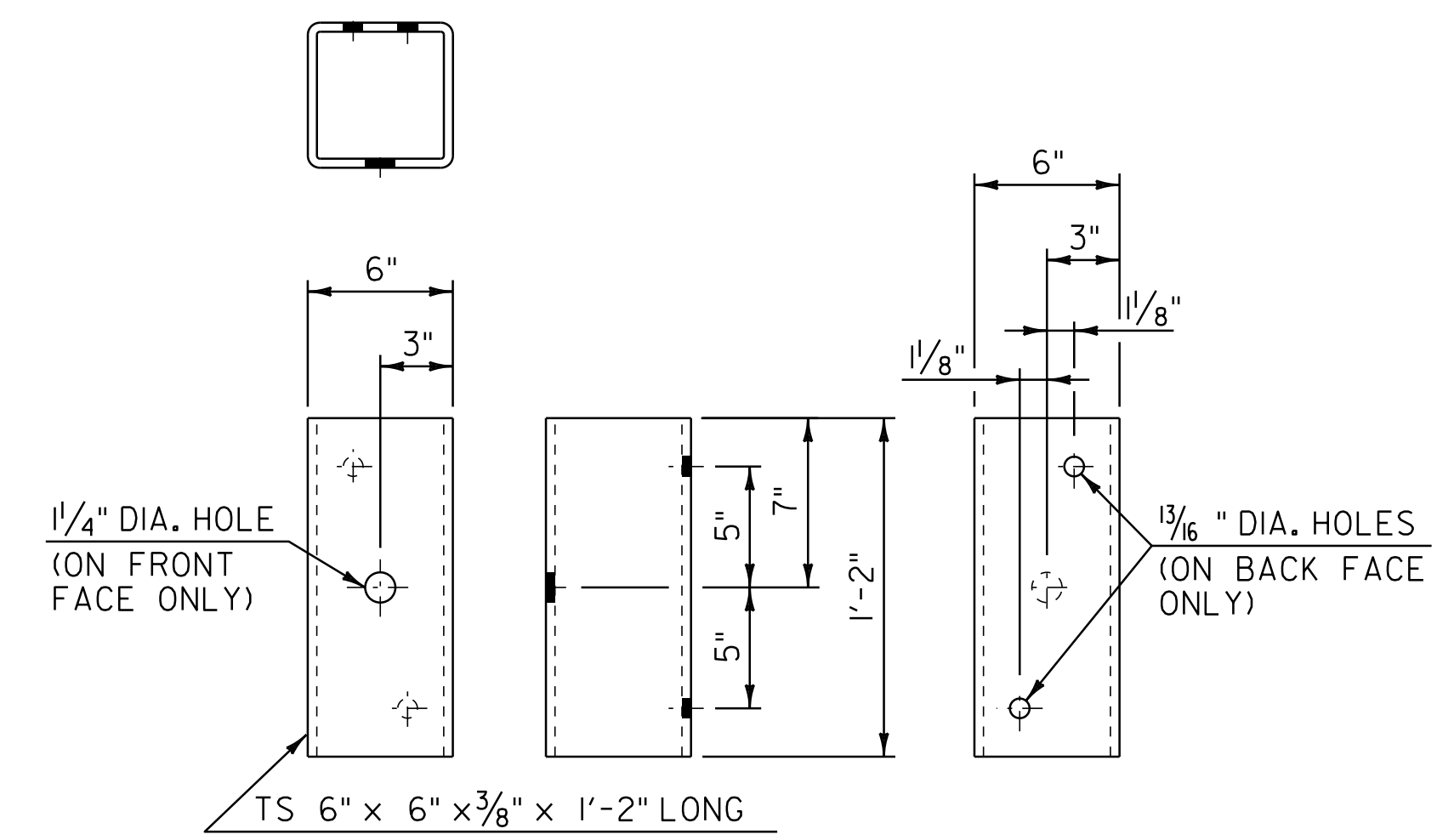


ANCHORAGE PLATE DETAIL

- NOTES**
1. REFER TO VAOT STANDARD G-1 FOR ADDITIONAL RAIL DETAILS.
 2. ALL POSTS FOR HEAVY DUTY STEEL BEAM GUARDRAIL SHALL BE STEEL IN ACCORDANCE WITH SUBSECTION 728.01(c) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT.
 3. APPROACH RAIL SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
 4. ANCHORAGE CONNECTOR AND ANCHORAGE PLATE SHALL CONFORM TO SUBSECTION 728.01(c).
 5. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO SUBSECTION 728.03(c).
 6. STRUCTURAL TUBING OFFSET BLOCK SHALL CONFORM TO SUBSECTION 728.01(c).
 7. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 50'-0" FROM THE \bar{C} OF POST #1 FOR TYPE I AND 12'-6" FROM THE \bar{C} OF POST #1 FOR TYPE II.
 8. ALLOWABLE DIMENSIONAL TOLERANCE FOR BENT SECTIONS IS $\pm 1/16$ "
 9. THE UNIT PRICES BID FOR EITHER TYPE OF GUARDRAIL APPROACH SECTION SHALL INCLUDE ANCHORAGE CONNECTOR, ANCHORAGE PLATE, HEAVY DUTY STEEL BEAM GUARDRAIL, POSTS, OFFSET BLOCKS, BLOCKING, BOLTS, AND ALL NECESSARY HARDWARE.



ANCHORAGE CONNECTOR DETAIL
(SEE NOTE 8)



STRUCTURAL TUBING OFFSET BLOCK DETAILS
(OCCURS AT POST #1 WHEN USING APPROACH RAIL UTILIZING STEEL POSTS)

NOTE:
1. REFERENCE THIS SHEET WITH SHEET 79 ALONG WITH SHEET 83 FOR BR II DETAILS & SHEET 84 FOR BR 12 DETAILS.

NOT TO SCALE

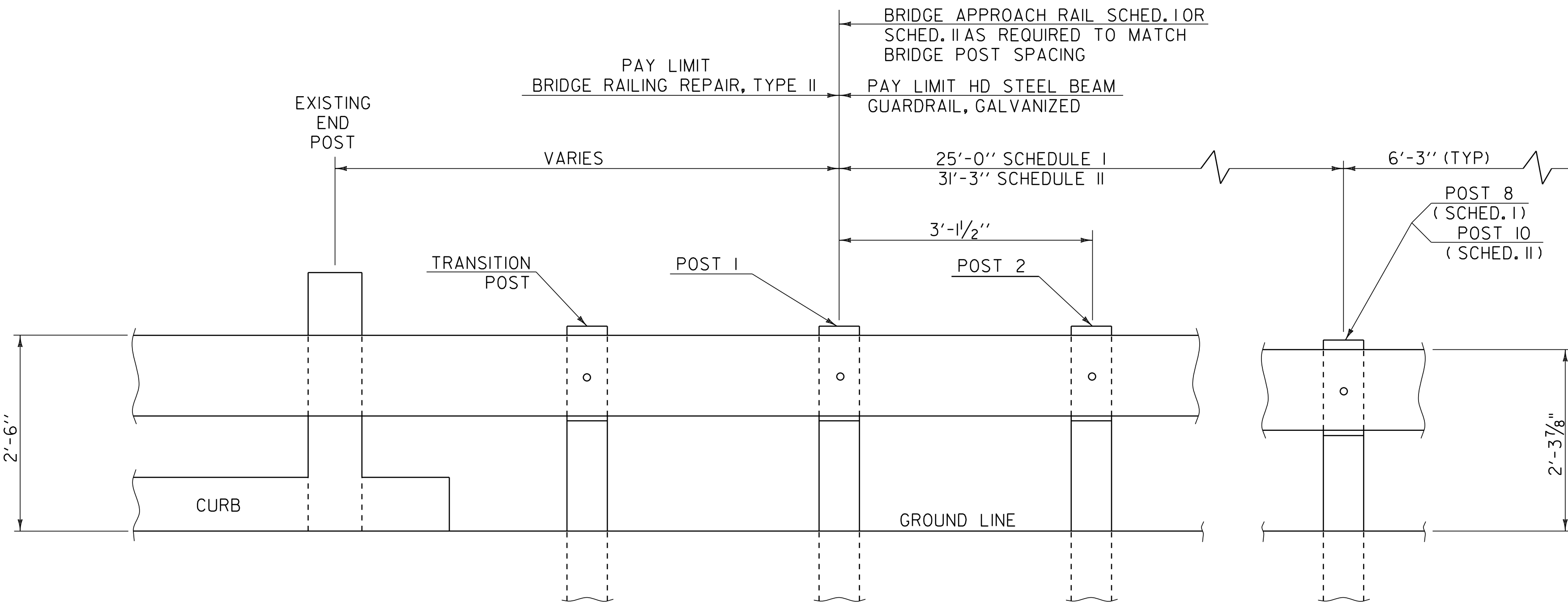
GUARDRAIL APPROACH SECTION DETAIL SHEET #2	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 80 OF 152
	IPARM FILE: p07cl68gas2.i	

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10	525.55	REMARKS
				REMOVAL OF EXISTING RAIL	BRIDGE RAILING REPAIR, TYPE II	
			IN	LF	LF	
CASTLETON: STATE HIGHWAY						
3+79.5 - 4+54.5	LT	I	8	75.0	75.0	
3+84.5 - 4+59.5	RT	I	8	75.0	75.0	
ROUNDING				-	-	
TOTAL				150.0	150.0	

GENERAL NOTES

- BRIDGE RAIL SHALL BE HD STEEL BEAM RAIL.
- BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
- APPROACH RAILING SHALL BE HD STEEL BEAM FOR 25' FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
- FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST I.
- SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
- SEE VAOT STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
- ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
- ALL BRIDGE POSTS, HD STEEL BEAM BRIDGE RAIL, AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE APPROPRIATE BRIDGE RAILING ITEMS AS DENOTED IN THE PLANS.
- SEE STANDARD SHEET G-1 FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
- NEW BRIDGE RAILING POSTS SHALL BE SET NORMAL TO GRADE.
- ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10 OF THE STANDARD SPECIFICATIONS.
- THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON LIMITED FIELD INVESTIGATION AND AVAILABLE RECORD DRAWING INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL LANES SHALL BE OPENED TO TRAFFIC DURING NON-WORKING HOURS. NO GAPS BETWEEN EXISTING RAILING AND NEW RAILING WILL BE PERMITTED. DETAILS FOR TEMPORARY RAIL SHALL BE SUBMITTED FOR APPROVAL IF REQUIRED TO BRIDGE GAPS IN RAILING. PAYMENT FOR TEMPORARY RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 525.10 REMOVAL OF EXISTING RAILING.
- ALL OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO AASHTO M11M/M11L.



SCHEDULE I		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1/2"	1.4 x 12'-6"
2	3'-1/2"	
3	3'-1/2"	
4	3'-1/2"	
5	4'-2"	1.2 x 12'-6"
6	4'-2"	
7	4'-2"	
8	6'-3"	1.0 (TYP)
9	(TYP.)	
PAYMENT LENGTH = 32'-6"		

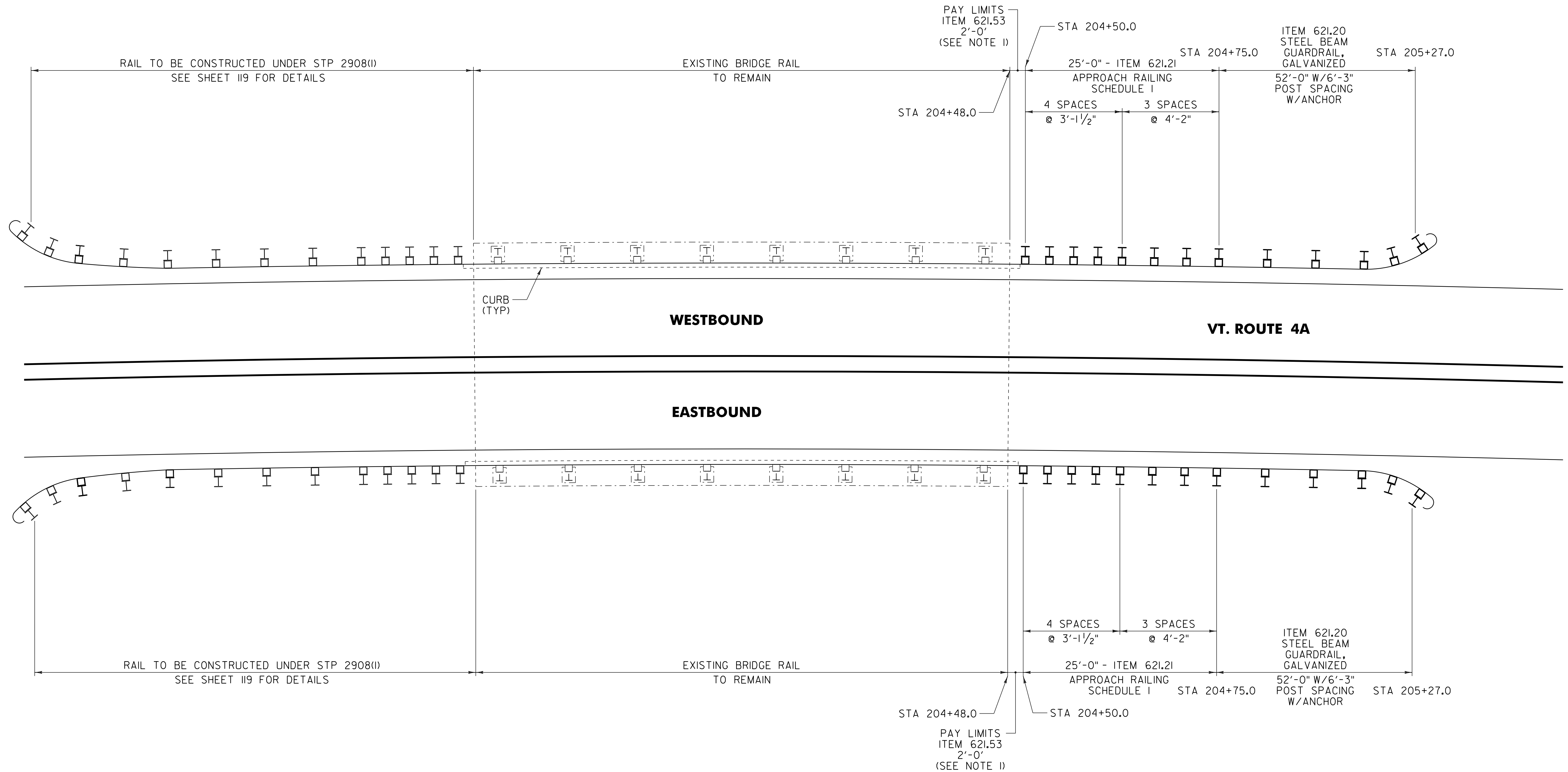
SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1/2"	1.4 x 18'-9"
2	3'-1/2"	
3	3'-1/2"	
4	3'-1/2"	
5	3'-1/2"	
6	4'-2"	1.2 x 12'-6"
7	4'-2"	
8	4'-2"	
9	4'-2"	
10	6'-3"	1.0 (TYP)
11	(TYP)	
PAYMENT LENGTH = 41'-3"		

SCHEDULE I APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1.
SCHEDULE II APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST.

BRIDGE APPROACH RAILING

NOT TO SCALE

BRIDGE DETAIL SHEET #1	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(1)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 81 OF 152
	DESIGNED BY: M.J.M.	
	IPARM FILE: p07cl68bd1.i	



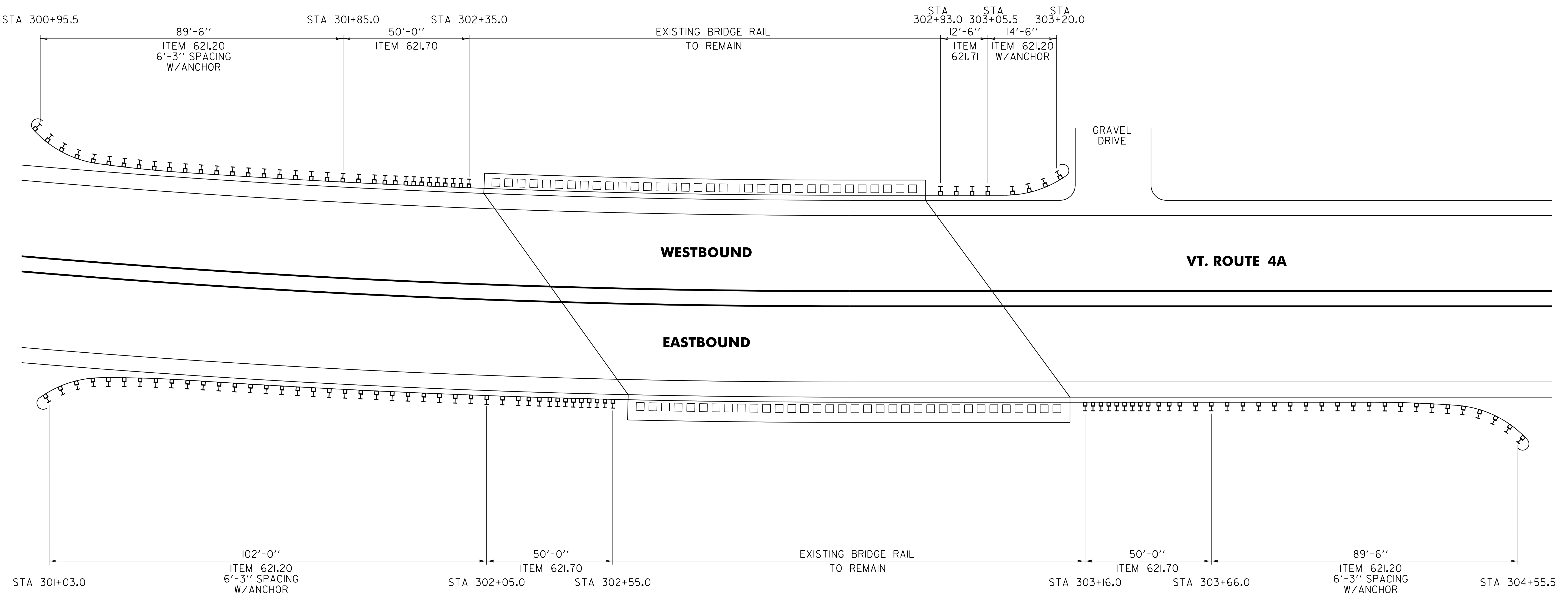
BR 7 CASTLETON MM 3.866 = STA 204+12.48

NOTE:

I. SEE VAOT STANDARD SHEET G-16 FOR
 TERMINAL CONNECTOR FOR STEEL BEAM
 GUARDRAIL INSTALLATION DETAILS.

NOT TO SCALE

BRIDGE DETAIL SHEET #2	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(I)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68bd2.i		SHEET 82 OF 152



BR 11 CASTLETON MM 5.734 = STA 302+75.52

NOTE:
 I. REFERENCE THIS SHEET ALONG WITH SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS.

BRIDGE DETAIL SHEET #3	NOT TO SCALE	
	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(i)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.	
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68bd3.i	SHEET 83 OF 152	

GRAVEL DRIVE

STA 365+18.5
 16'-10"
 ITEM 621.20
 W/ ANCHOR
 (SEE NOTE 1)
 STA 365+18.5
 12'-6"
 ITEM 621.71
 STA 365+31.0

EXISTING BRIDGE RAIL TO REMAIN

STA 365+78.0
 50'-0"
 ITEM 621.70
 STA 0+05.92
 27'-0"
 ITEM 621.20
 W/6'-3"
 SPACING
 W/ANCHOR
 STA 0+32.92

WESTBOUND

VT. ROUTE 4A

EASTBOUND

77'-0"
 STA 365+85.0
 ITEM 621.20
 W/6'-3" SPACING
 W/ANCHOR
 STA 364+62.0
 50'-0"
 ITEM 621.70
 STA 365+12.0
 EXISTING BRIDGE RAIL TO REMAIN
 STA 365+59.0
 50'-0"
 ITEM 621.70
 STA 366+09.0
 27'-0"
 ITEM 621.20
 W/6'-3" SPACING
 W/ANCHOR
 STA 0+13.92

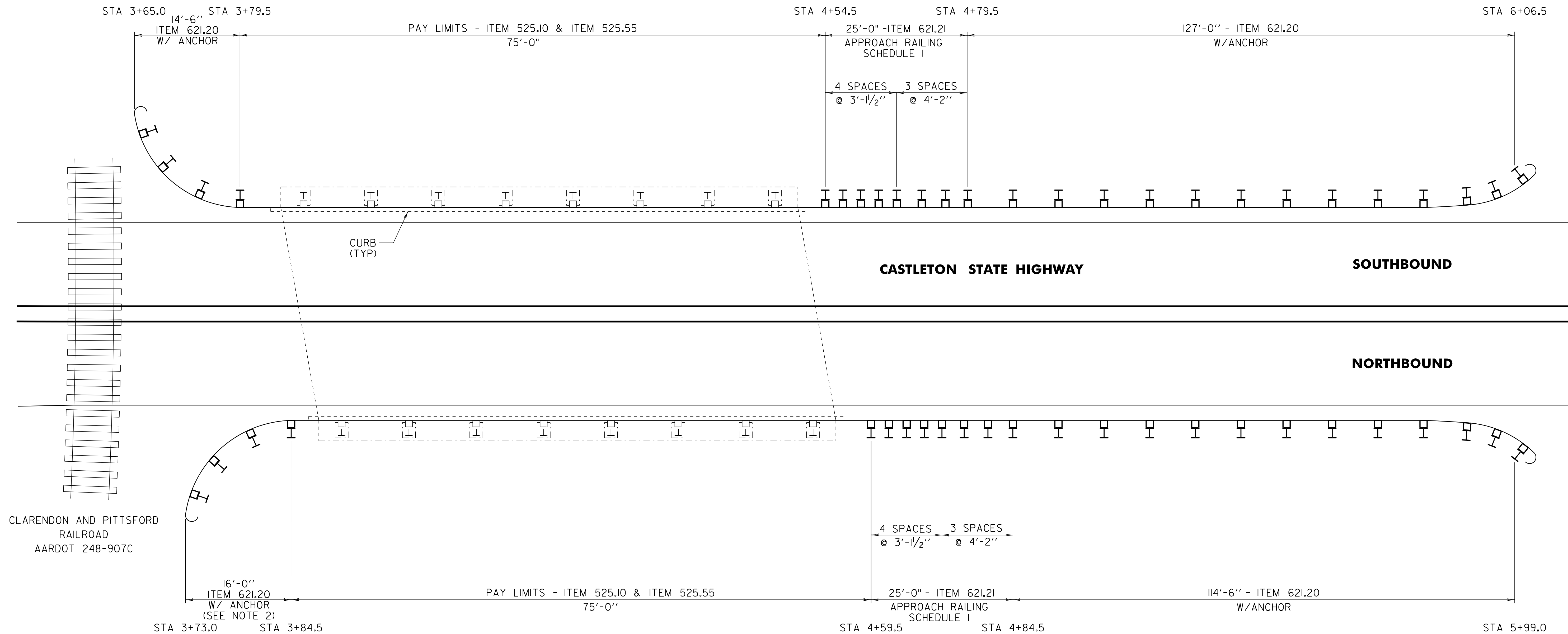
BR 12 CASTLETON MM 6.921 = STA 365+42.88

NOTES:

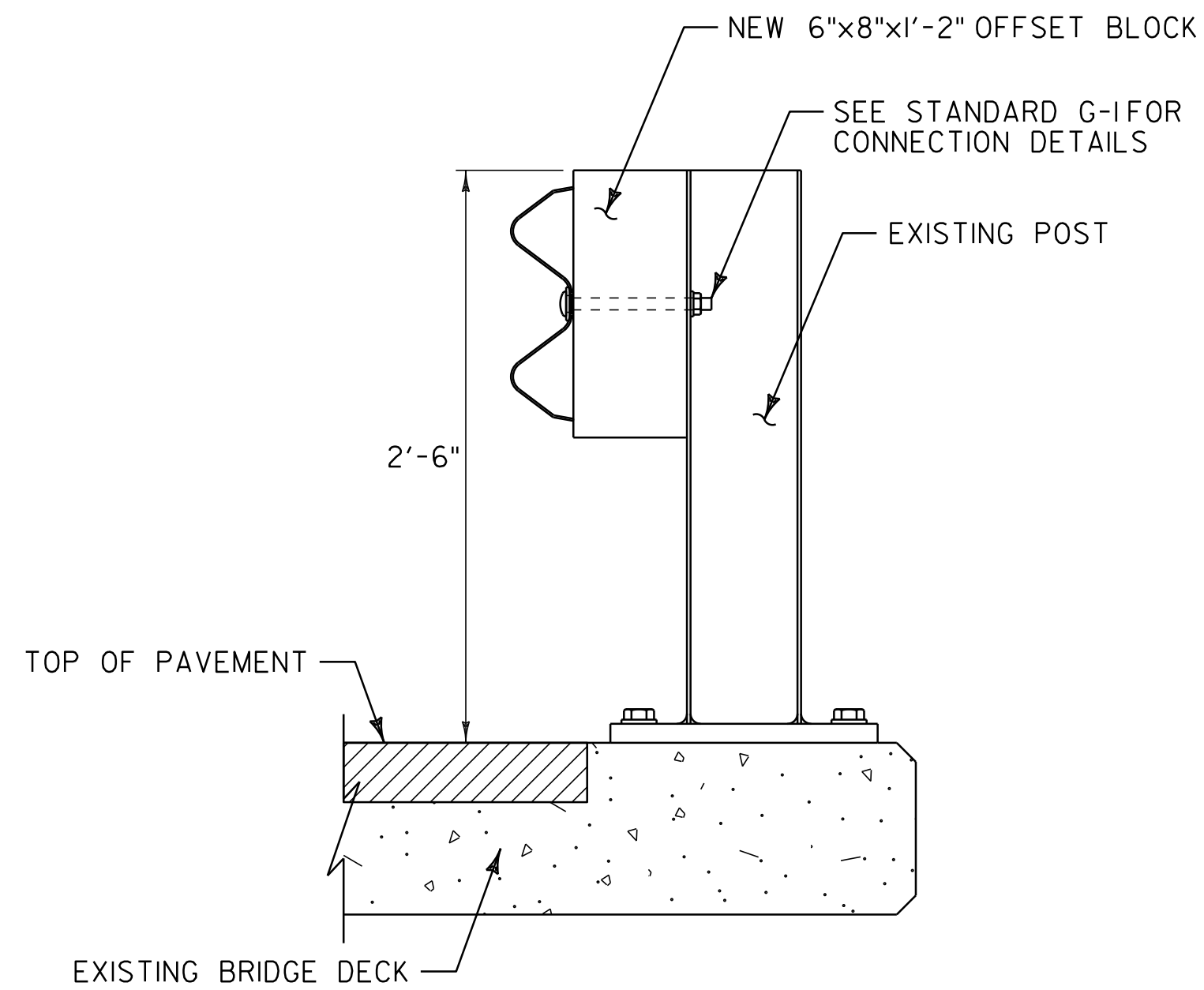
1. THE CONTRACTOR SHALL INSTALL NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER.
2. TOWN OF CASTLETON MM 6.936 (STA 366+22.08) = TOWN OF IRA MM 0.000 (STA 0+00.00)
3. REFERENCE THIS SHEET ALONG WITH SHEETS 79 & 80 FOR GUARDRAIL APPROACH SECTION DETAILS.

NOT TO SCALE

BRIDGE DETAIL SHEET #4	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(i)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68bd4.i
	SHEET 84 OF 152



BR 1 CASTLETON STATE HIGHWAY MM 0.079 = STA 4+19.50



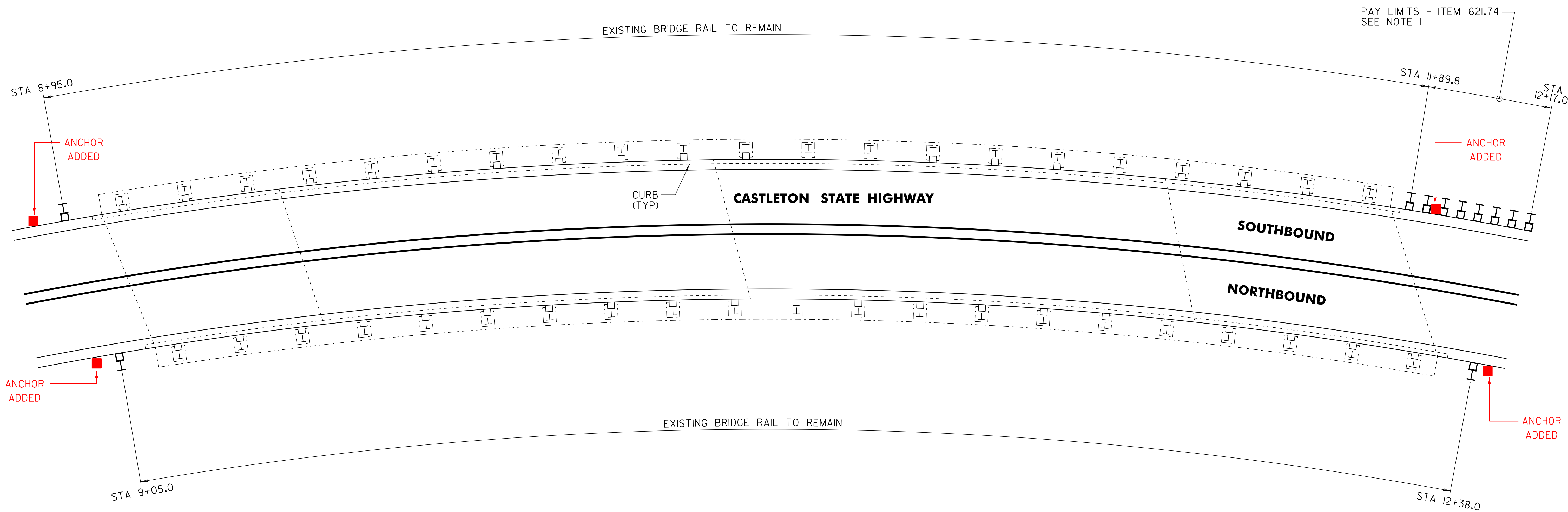
BR 1 BRIDGE RAILING DETAIL

NOTES:

1. SEE VAOT STANDARD SHEET SB-R6-82 FOR ADDITIONAL DETAILS.
2. THE CONTRACTOR SHALL INSTALL A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

BRIDGE DETAIL SHEET #5	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(i)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68bd5.i	SHEET 85	OF 152



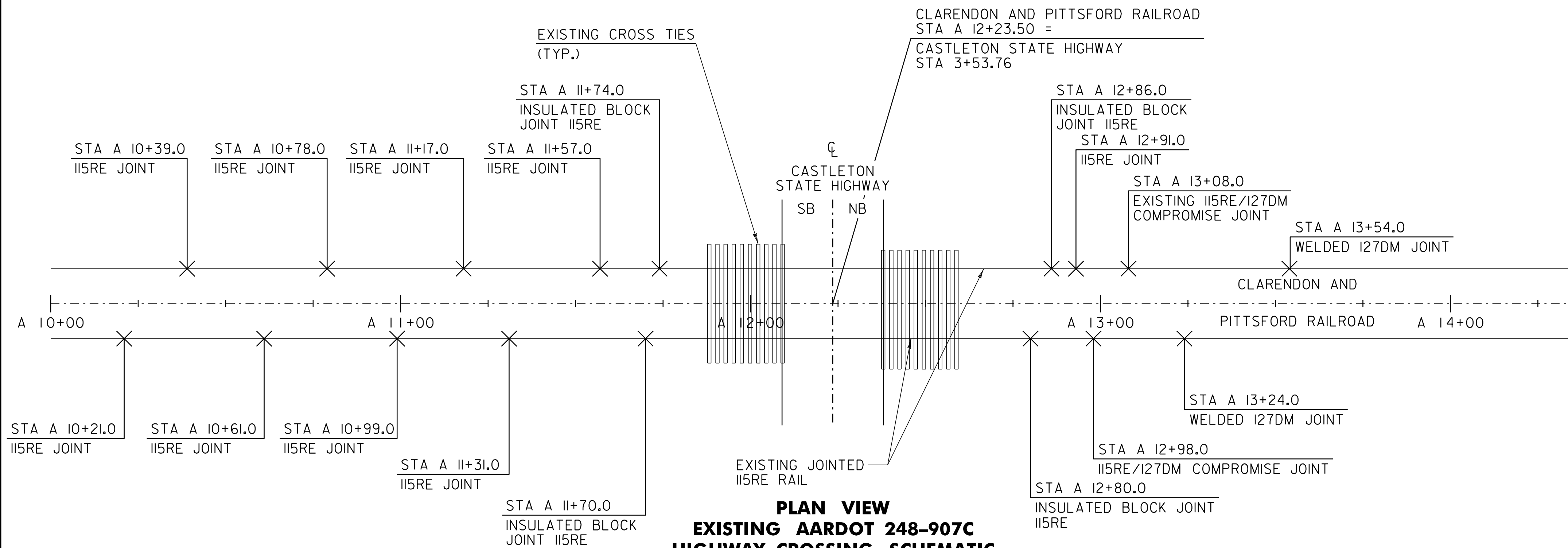
BR 2 CASTLETON STATE HIGHWAY MM 0.201 = STA 10+61.28

NOTE:

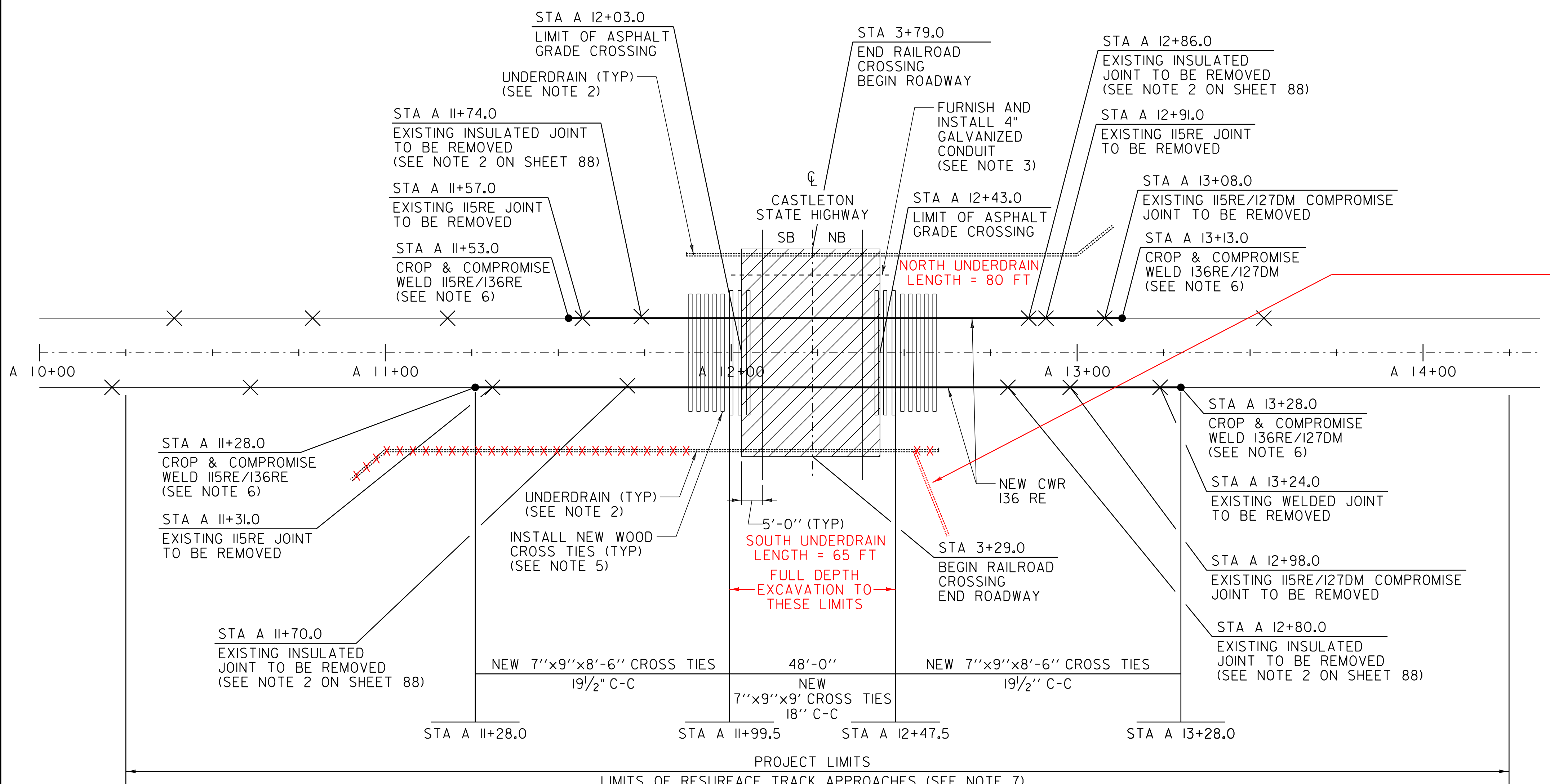
1. REFERENCE THIS SHEET ALONG WITH SHEETS 76 THRU 78 FOR ALUMINUM APPROACH RAILING CONNECTION DETAILS.

NOT TO SCALE

BRIDGE DETAIL SHEET #6	PROJECT NAME: CASTLETON - WEST RUTLAND	
	PROJECT NUMBER: STP 2705(i)	
	FILE NAME: p07cl68.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07cl68bd6.i		SHEET 86 OF 152



**PLAN VIEW
EXISTING AARDOT 248-907C
HIGHWAY CROSSING SCHEMATIC**

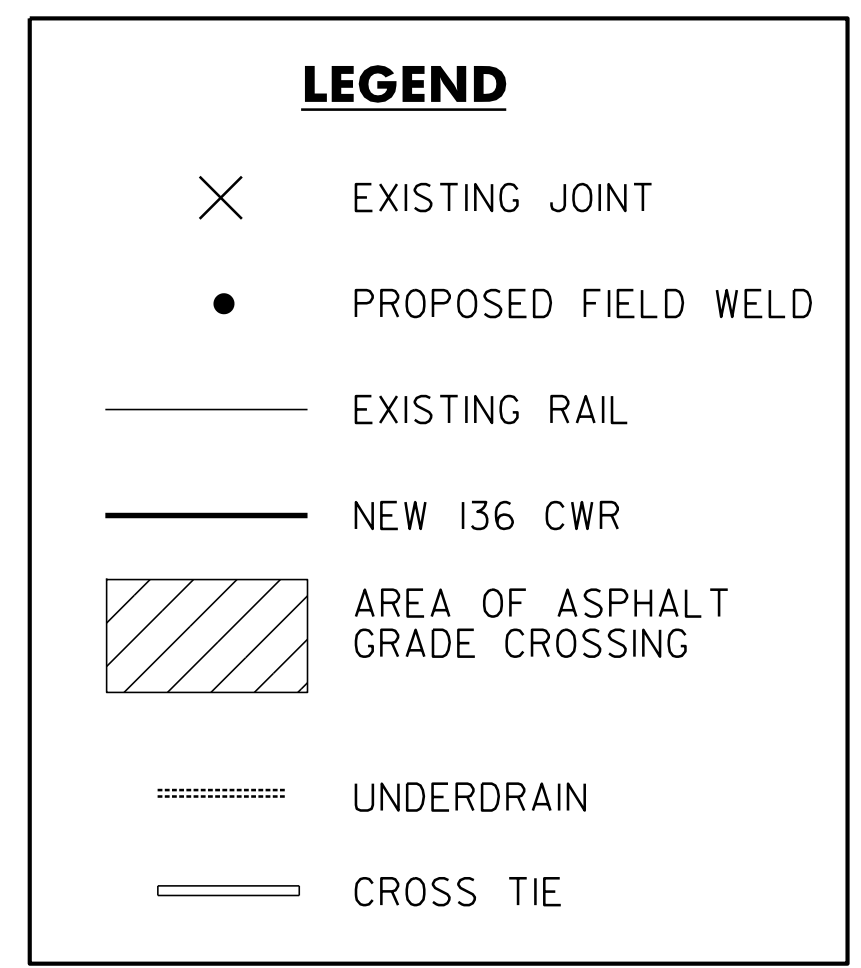


**PLAN VIEW
PROPOSED AARDOT 248-907C
HIGHWAY CROSSING SCHEMATIC**

NOTES:

- SEE SHEET 88 FOR AARDOT 248-907C GRADE CROSSING DETAILS.
- THE CONTRACTOR SHALL INSTALL UNDERDRAIN AS SHOWN IN THE PLANS PER SECTION 605 OF THE 2006 VAOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND GRADE TO DRAIN INTO THE EXISTING DITCHES LOCATED ALONG THE RAILROAD ROW AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 605.10 6 INCH UNDERDRAIN PIPE.
- CONDUIT SHALL BE 4 INCH DIAMETER RIGID GALVANIZED STEEL AS SHOWN IN SIGNAL CONDUIT DETAIL ON SHEET 88. CONDUIT SHALL EXTEND A MINIMUM OF 20 FEET BEYOND EDGE OF CROSSING. CONDUIT ENDS SHALL BE SEALED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AREMA SIGNAL MANUAL. PAYMENT INCLUDED UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 248-907C).
- TRACK SURFACING AND BALLAST REGULATING IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE COORDINATED WITH THE CLARENDON AND PITTSFORD RAILROAD PRIOR TO COMMENCING WORK AND SHALL BE PAID FOR UNDER ITEM 900.640 SPECIAL PROVISION (RESURFACE TRACK APPROACHES).
- NEW 7''x9''x9' CROSS TIES SHALL BE INSTALLED WITHIN THE CROSSING AREA AS SHOWN ON THE PLANS. CROSS TIES LOCATED WITHIN THE APPROACH AREAS SHALL BE REPLACED WITH NEW 7''x9''x8'-6'' TIES. ADDITIONAL TIES LOCATED WITHIN THE PROJECT AREA MAY NEED TO BE REPLACED WITH NEW 7''x9''x8'-6'' TIES AS RECOMMENDED BY THE RAILROAD AND APPROVED BY THE RESIDENT ENGINEER. CROSS TIES SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES).
- EXISTING RAIL SHALL BE CROPPED AND FIELD WELDED TO THE NEW 136RE CWR AND SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (THERMITE WELDING) AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING FIELD WELDING OPERATIONS TO PREVENT DAMAGE TO THE RUBBER RAIL SEAL. THE CONTRACTOR SHALL REPLACE DAMAGED RUBBER RAIL SEAL AT THEIR OWN COST AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL RAISE, ALIGN & SURFACE THE TRACK WITHIN THE APPROACH AREA PER ITEM 900.640 SPECIAL PROVISION (RESURFACE TRACK APPROACHES). SURFACING IS TO FINAL GRADE, MULTIPLE PASSES SHALL BE CONSIDERED INCIDENTAL TO ITEM 900.640 SPECIAL PROVISION (RESURFACE TRACK APPROACHES).

DAYLIGHT UNDERDRAIN TO DITCHLINE IN THIS AREA TO SHORTEN UNDERDRAIN LENGTH DUE TO FLAT GRADE ON OPPOSITE SIDE OF ROAD A.O.B.E.



NOT TO SCALE

AARDOT 248-907C GRADE CROSSING SCHEMATIC SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 87 OF 152

NOTES:

1. THE COST OF REMOVING THE EXISTING ASPHALT SURFACE AND PAVNG THE TWO LIFTS OF TYPE IIS BASE COURSE AT THE RAIL APPROACHES AND BETWEEN THE RAILS SHALL BE PAID FOR UNDER ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. SEE SHEET 16 FOR PAVEMENT QUANTITY BREAKDOWN.
2. THE EXISTING GRADE CROSSING ISLAND CIRCUIT SHALL BE REMOVED AND REPLACED WITH A NEW ACTIVE WARNING SYSTEM. ALL COST ASSOCIATED WITH THE REMOVAL AND INSTALLATION OF THE NEW GRADE CROSSING ACTIVE WARNING SYSTEM SHALL BE PAID FOR UNDER ITEM 900.645 SPECIAL PROVISION (RAIL- HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 248-907C) AS DIRECTED BY THE RESIDENT ENGINEER. SEE SHEET 89 FOR AARDOT 248-907C GRADE CROSSING SIGNAL SHEET.
3. THE CONTRACTOR SHALL INSTALL THE ELASTOMERIC INTERFACE RAIL SEAL CONNECTED BY AN INTERCLAMP DEVICE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THESE DETAILS DO NOT ILLUSTRATE THE INTERCLAMP DEVICES. NO VEHICULAR TRAFFIC IS ALLOWED OVER THE RAIL SEAL UNTIL FULL DEPTH PAVEMENT IS PLACED ON BOTH SIDES OF THE RAIL. ANY DAMAGE TO THE NEW ELASTOMERIC INTERFACE RESULTING FROM THE CONTRACTOR'S INSTALLATION METHODS SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE AS DIRECTED BY THE RESIDENT ENGINEER. THE COST OF FURNISHING AND INSTALLING THE ELASTOMERIC INTERFACE AND ATTACHMENT HARDWARE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 900.640 SPECIAL PROVISION (RUBBER RAIL SEAL).

4. TEN DAYS PRIOR TO BEGINNING WORK ON THIS RAIL CROSSING THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH CLARENDON AND PITTSFORD RAILROAD. THE CONTRACTOR IS RESPONSIBLE TO HAVE THE TRACK AND ALL ACTIVE WARNING DEVICES BACK IN SERVICE AT THE END OF EACH WORK DAY. THE COST FOR COORDINATION WITH CLARENDON AND PITTSFORD RAILROAD SHALL BE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.I.).

THE CONTRACTOR SHALL COMPLETE ALL WORK ASSOCIATED WITH THIS CROSSING WITHIN FIVE CONTINUOUS WORKING DAYS. THE CONTRACTOR IS HEREBY NOTIFIED THAT LIQUIDATED DAMAGES IN ACCORDANCE WITH THE RAILROAD SPECIAL PROVISIONS WILL BE ASSESSED FOR EVERY CALENDAR DAY FOLLOWING THE FIVE CONSECUTIVE WORKDAY PERIOD THAT THE SPECIFIED WORK IS NOT COMPLETED.

5. TIE PLATES SHALL BE MINIMUM 14" L x 7 3/4" W NEW OR FIT DOUBLE SHOULDERED TO FIT THE BASE OF THE RAIL ON WHICH THEY WILL BE USED. EACH TIE PLATE SHALL HAVE AT LEAST 6 HOLES PUNCHED FOR THE USE OF 3/8" TRACK SPIKES. FOUR OF THE HOLES SHALL BE SUCH THAT THEY ALLOW TWO RAIL HOLDING SPIKES ON EACH SIDE OF THE RAIL AND THERE SHALL ALSO BE AT LEAST TWO HOLES FOR PLATE HOLDING SPIKES. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TIE PLATES, SPIKES AND RAIL ANCHORS UNDER APPROPRIATE CROSS TIE ITEM 900.620 SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES).

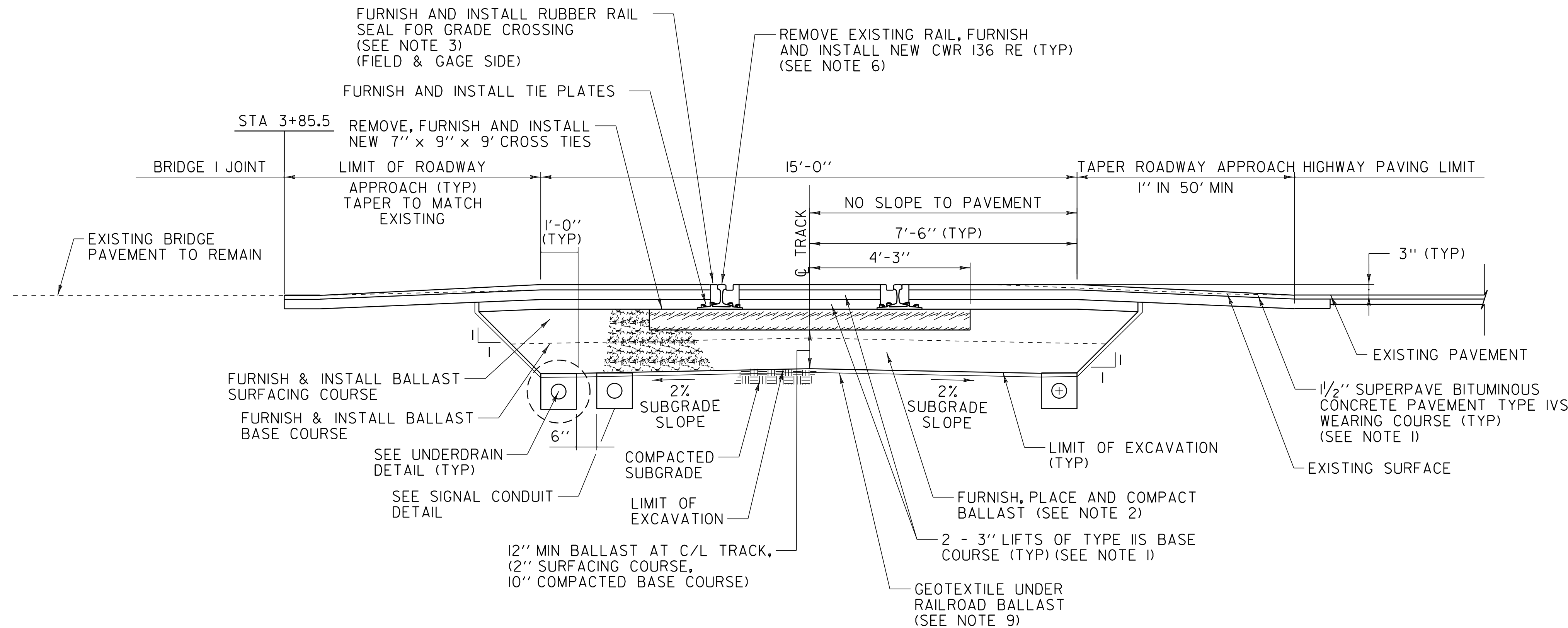
6. THE CONTRACTOR SHALL PROVIDE NEW 136 RE CWR AS SPECIFIED IN THE PLANS. RAIL WEIGHTS SHALL BE VERIFIED BY THE RAILROAD AND APPROVED BY THE RESIDENT ENGINEER.

7. THE COST FOR PROVIDING VEHICULAR TRAFFIC CONTROL DURING CONSTRUCTION OF THIS PAVED RAIL HIGHWAY CROSSING SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10 TRAFFIC CONTROL (STP 2705(i)).

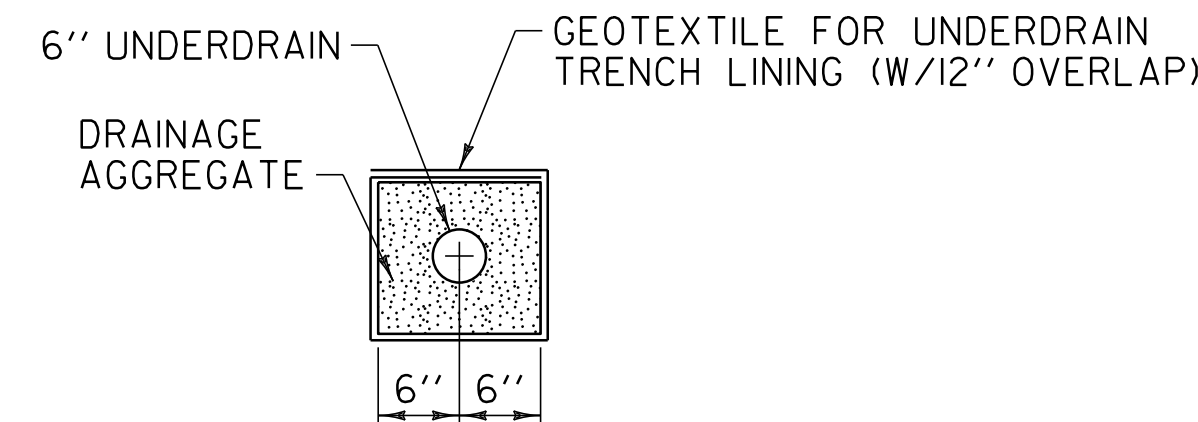
8. UNCLASSIFIED EXCAVATION SHALL CONSIST OF THE EXCAVATION AND DISPOSAL FROM THE WORK SITE ALL MATERIALS OF ANY DESCRIPTION ENCOUNTERED IN THE COURSE OF CONSTRUCTION, AND SHALL BE PAID FOR UNDER ITEM 203.17 UNCLASSIFIED EXCAVATION.

9. THE CONTRACTOR SHALL INSTALL GEOTEXTILE UNDER THE RAILROAD BALLAST WITHIN THE LIMITS OF THE CROSSING PER SECTION 649 OF THE 2006 VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 649.21 GEOTEXTILE UNDER RAILROAD BALLAST.

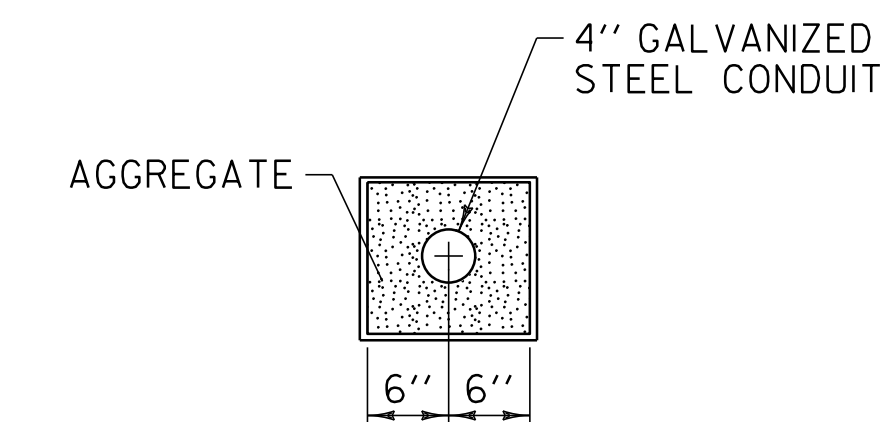
10. BALLAST MATERIAL SUPPLIED MUST BE APPROVED BY THE CLARENDON AND PITTSFORD RAILROAD PRIOR TO ITS ACCEPTANCE. BALLAST SURFACING AND BALLAST BASE COURSE TO BE PAID FOR UNDER ITEM 900.680 SPECIAL PROVISION (RAILROAD BALLAST). THE OWNER (CLP) AND THE RESIDENT ENGINEER RESERVE THE RIGHT TO SAMPLE AND TEST THE STONE BALLAST UP TO AND INCLUDING THE POINT OF USE.



TYPICAL SECTION - ASPHALT GRADE CROSSING



UNDERDRAIN WITH GEOTEXTILE



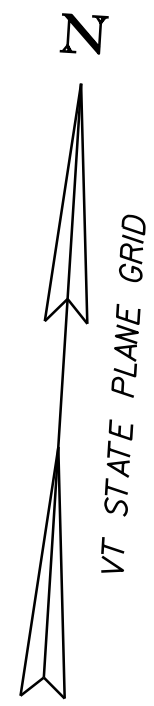
SIGNAL CONDUIT DETAIL

AARDOT 248-907C GRADE CROSSING QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
203.17	UNCLASSIFIED EXCAVATION	CY	80
204.20	TRENCH EXCAVATION OF EARTH	CY	30
490.30	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	TON	95
605.10	6 INCH UNDERDRAIN PIPE	LF	300
649.21	GEOTEXTILE UNDER RAILROAD BALLAST	SY	85
900.620	SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES)	EA	157
900.620	SPECIAL PROVISION (THERMITE WELDING)	EA	4
900.640	SPECIAL PROVISION (CONTINUOUS WELDED RAIL)	LF	360
900.640	SPECIAL PROVISION (RESURFACE TRACK APPROACHES) *	LF	400
900.640	SPECIAL PROVISION (RUBBER RAIL SEAL)	LF	100
900.645	SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 248-907C)	LS	1
900.650	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.I.)	LU	1
900.680	SPECIAL PROVISION (RAILROAD BALLAST)	TON	150

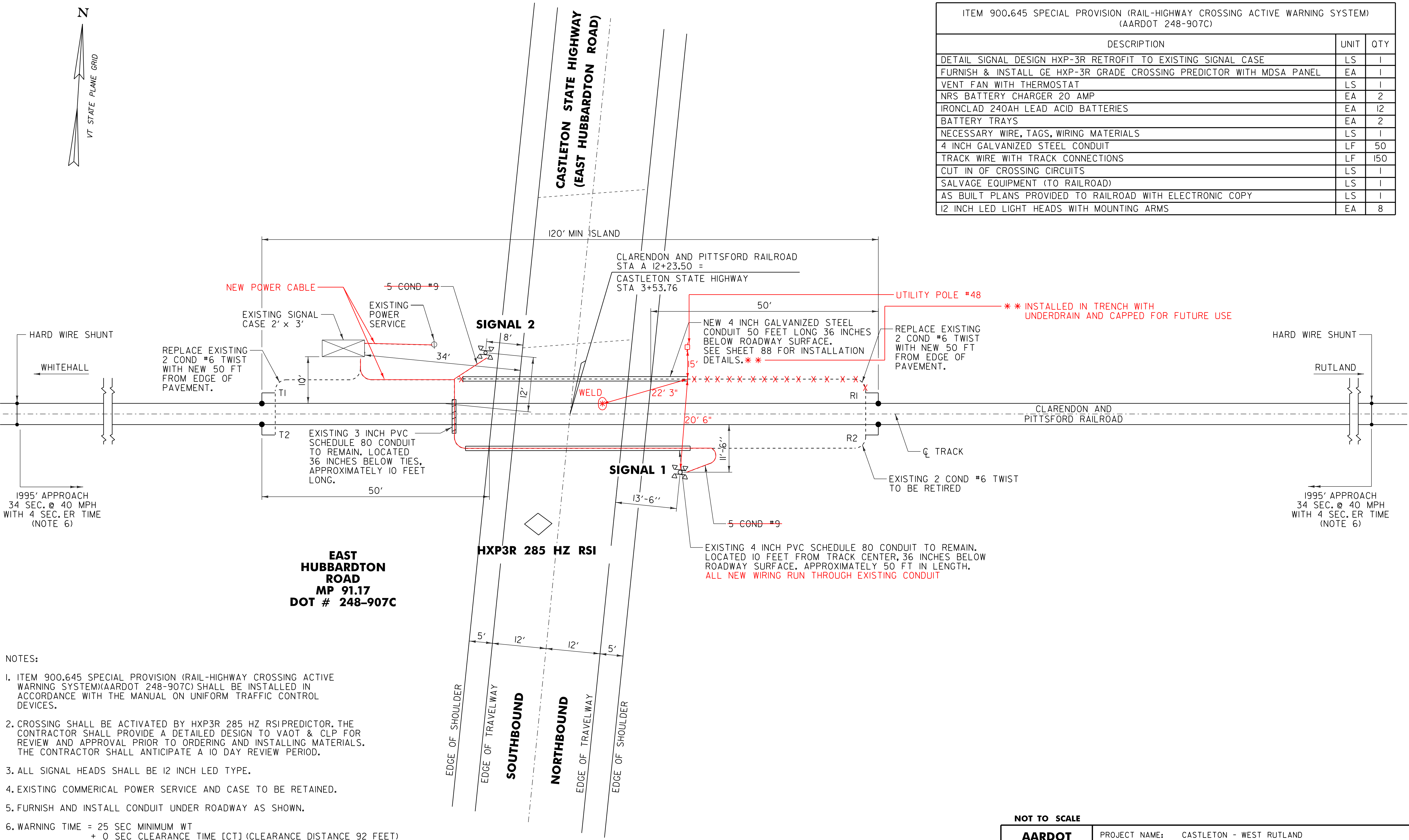
RESURFACING SHALL BE MEASURED IN TRACK FEET & SHALL BE TO FINAL GRADE
*

NOT TO SCALE

AARDOT 248-907C GRADE CROSSING DETAIL SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2705(i)	DRAWN BY: W.G.P.
	FILE NAME: p07cl68.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 88 OF 152
	DESIGNED BY: M.J.M.	
	IPARM FILE: p07cl68rr.2.i	



ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 248-907C)		
DESCRIPTION	UNIT	QTY
DETAIL SIGNAL DESIGN HXP-3R RETROFIT TO EXISTING SIGNAL CASE	LS	1
FURNISH & INSTALL GE HXP-3R GRADE CROSSING PREDICTOR WITH MDSA PANEL	EA	1
VENT FAN WITH THERMOSTAT	LS	1
NRS BATTERY CHARGER 20 AMP	EA	2
IRONCLAD 240AH LEAD ACID BATTERIES	EA	12
BATTERY TRAYS	EA	2
NECESSARY WIRE, TAGS, WIRING MATERIALS	LS	1
4 INCH GALVANIZED STEEL CONDUIT	LF	50
TRACK WIRE WITH TRACK CONNECTIONS	LF	150
CUT IN OF CROSSING CIRCUITS	LS	1
SALVAGE EQUIPMENT (TO RAILROAD)	LS	1
AS BUILT PLANS PROVIDED TO RAILROAD WITH ELECTRONIC COPY	LS	1
12 INCH LED LIGHT HEADS WITH MOUNTING ARMS	EA	8



**EAST HUBBARDTON ROAD
MP 91.17
DOT # 248-907C**

HXP3R 285 HZ RSI

NOTES:

- ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM)(AARDOT 248-907C) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CROSSING SHALL BE ACTIVATED BY HXP3R 285 HZ RSPREDICTOR. THE CONTRACTOR SHALL PROVIDE A DETAILED DESIGN TO VAOT & CLP FOR REVIEW AND APPROVAL PRIOR TO ORDERING AND INSTALLING MATERIALS. THE CONTRACTOR SHALL ANTICIPATE A 10 DAY REVIEW PERIOD.
- ALL SIGNAL HEADS SHALL BE 12 INCH LED TYPE.
- EXISTING COMMERCIAL POWER SERVICE AND CASE TO BE RETAINED.
- FURNISH AND INSTALL CONDUIT UNDER ROADWAY AS SHOWN.
- WARNING TIME = 25 SEC MINIMUM WT
+ 0 SEC CLEARANCE TIME [CT] (CLEARANCE DISTANCE 92 FEET)
+ 5 SEC BUFFER TIME [FT]
= 30 SEC DESIGNED WARNING TIME

+ 4 SECONDS EQUIPMENT RESPONSE TIME [ERT]
= 34 SECONDS OR 1995 FEET AT 40 MPH
- SEE SHEETS 87 & 88 FOR PROPOSED GRADE CROSSING SURFACE TREATMENT.

NOT TO SCALE

AARDOT 248-907C GRADE CROSSING SIGNAL SHEET	PROJECT NAME: CASTLETON - WEST RUTLAND
	PROJECT NUMBER: STP 2705(1)
	FILE NAME: p07cl68.dgn
	PLOT DATE: 04-JUN-2013 09:22
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: S.L.W.	CHECKED BY: S.L.W.
IPARM FILE: p07cl68rr3.1	SHEET 89 OF 152

STATE OF VERMONT AGENCY OF TRANSPORTATION



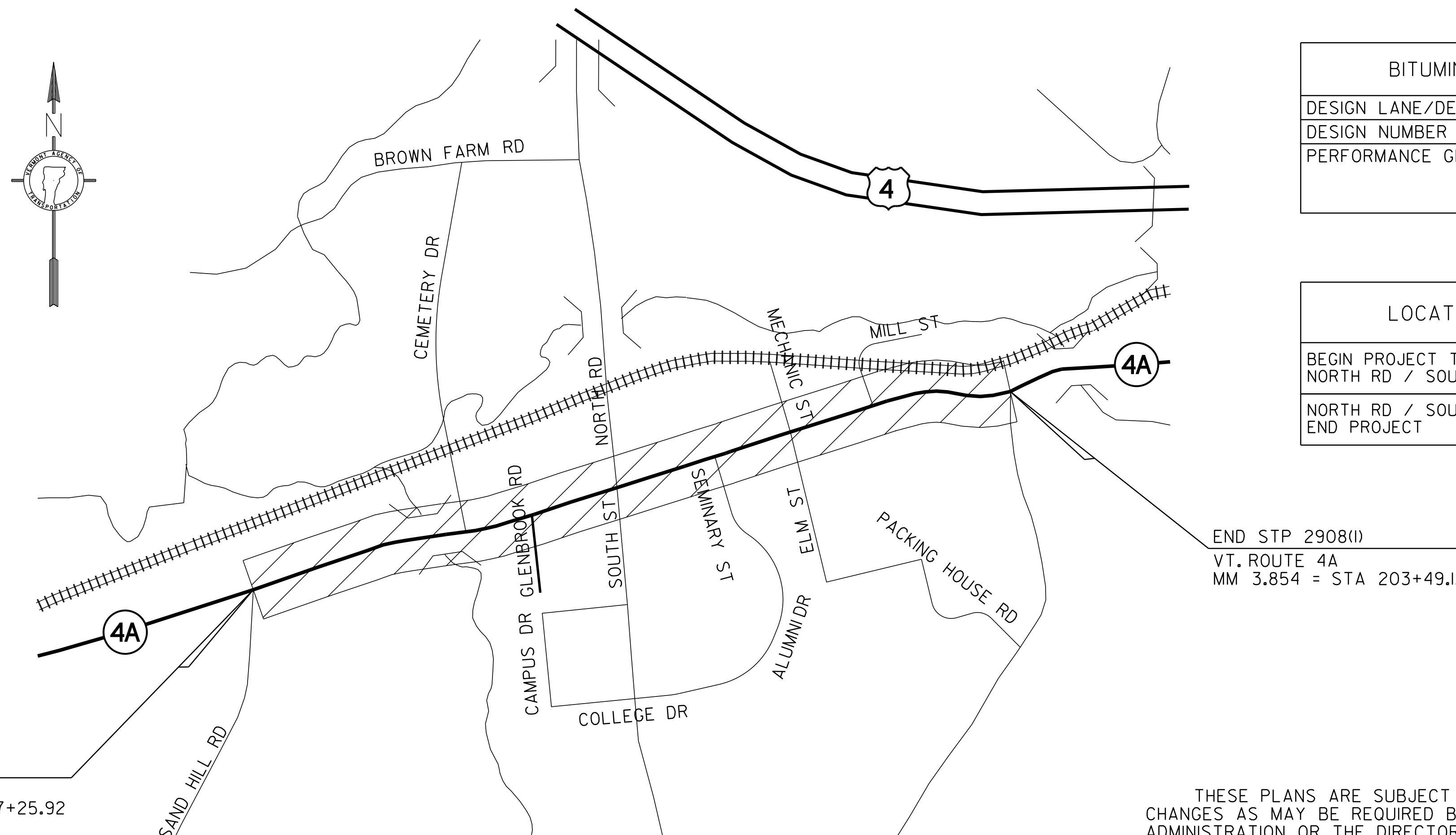
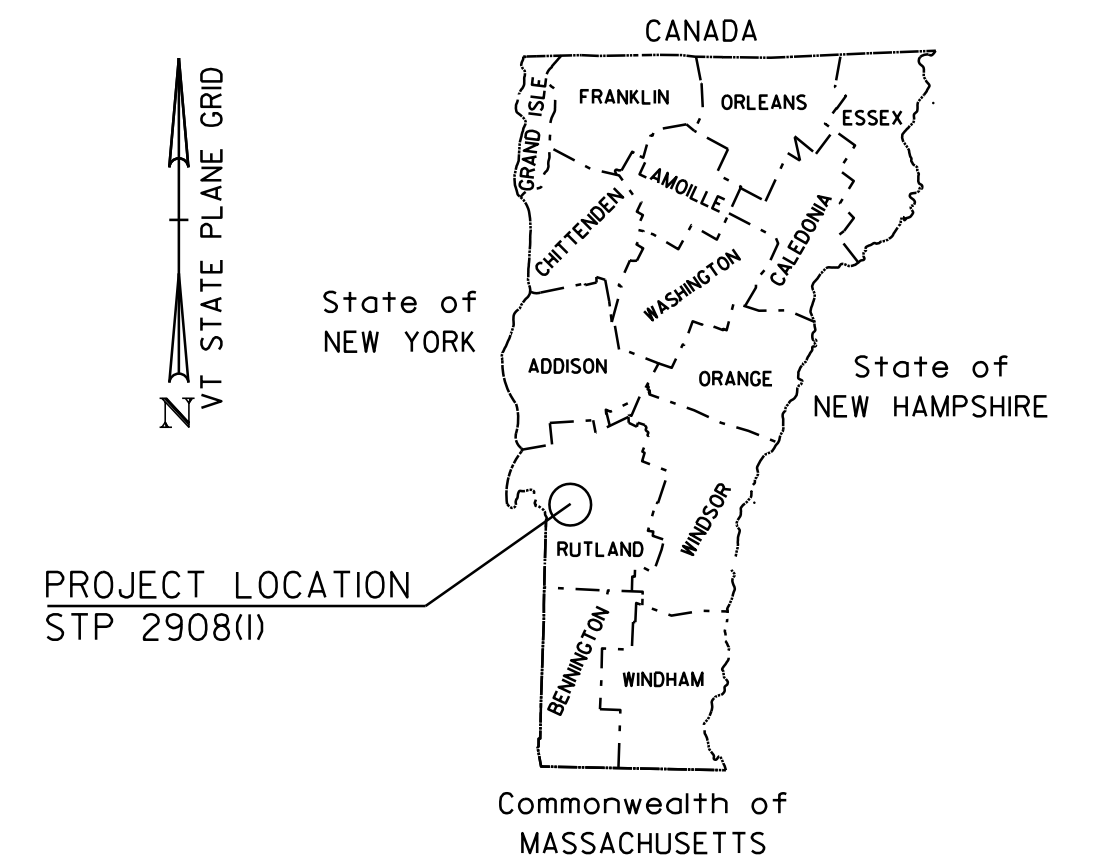
PROPOSED IMPROVEMENT TOWN OF CASTLETON CLASS I TOWN HIGHWAY COUNTY OF RUTLAND VT. ROUTE 4A

BEGINNING IN TOWN OF CASTLETON ON VT. ROUTE 4A AT MILE MARKER 2.789 = STA 147+25.92 AND
EXTENDING EASTERLY FOR A DISTANCE OF 5623.20 FEET (1.065 MILES) TO A POINT IN THE
TOWN OF CASTLETON AT MILE MARKER 3.854 = STA 203+49.12

LENGTH OF ROADWAY 5623.20 FT (1.065 MILES)
LENGTH OF PROJECT 5623.20 FT (1.065 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING
OF THE EXISTING HIGHWAY WITH A SHIM/LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS,
DRAINAGE IMPROVEMENTS, SIDEWALK RAMPS, NEW SIGNS AND INCIDENTAL ITEMS.

INDEX OF SHEETS
SEE SHEET 2



BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	58-28
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS & SPECIAL PROVISIONS

LOCATION	AADT		DHV		ESALs	ESALs
	2012	2022	2012	2022	2012~2022	2012~2032
BEGIN PROJECT TO NORTH RD / SOUTH ST	3800	4000	430	450	716,000	1,551,000
NORTH RD / SOUTH ST TO END PROJECT	4100	4300	460	480	492,000	1,131,000

BEGIN STP 2908(I)
VT. ROUTE 4A
MM 2.789 = STA 147+25.92

END STP 2908(I)
VT. ROUTE 4A
MM 3.854 = STA 203+49.12

QUALITY ASSURANCE PROGRAM: LEVEL 3

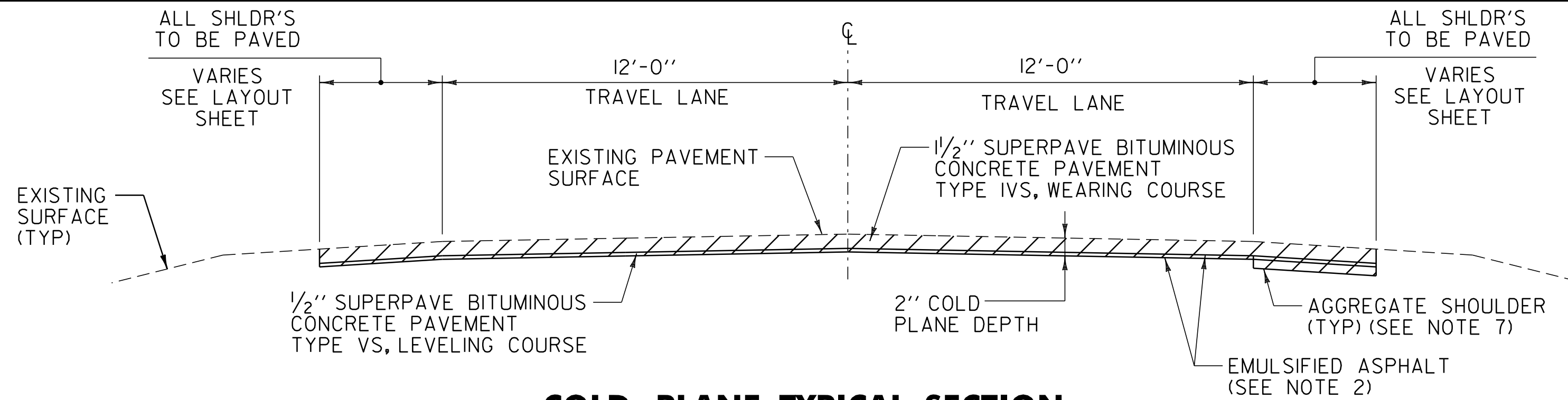
CONVENTIONAL SYMBOLS	
COUNTY LINE	-----
TOWN LINE	-----
LIMITS OF ACCESS	○-----○
POINT OF ACCESS	X
FENCE LINE	X-----X-----X
STONE WALL	○-----○-----○
TRAVELED WAY	-----
GUARD RAIL	-----
RAILROAD	-----
SURVEY LINE	-----
CULVERT	-----
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊕
CONTROL OF ACCESS	///-----///
PROPERTY LINE	-----
R.O.W. TAKING LINE	SR-----SR-----SR
SLOPE RIGHTS	○-----△-----△-----○
TOP OF CUT	△-----△-----△
TOE OF SLOPE	○-----○-----○

SURVEYED BY : NA
SURVEYED DATE : NA

DATUM
VERTICAL NA
HORIZONTAL NA

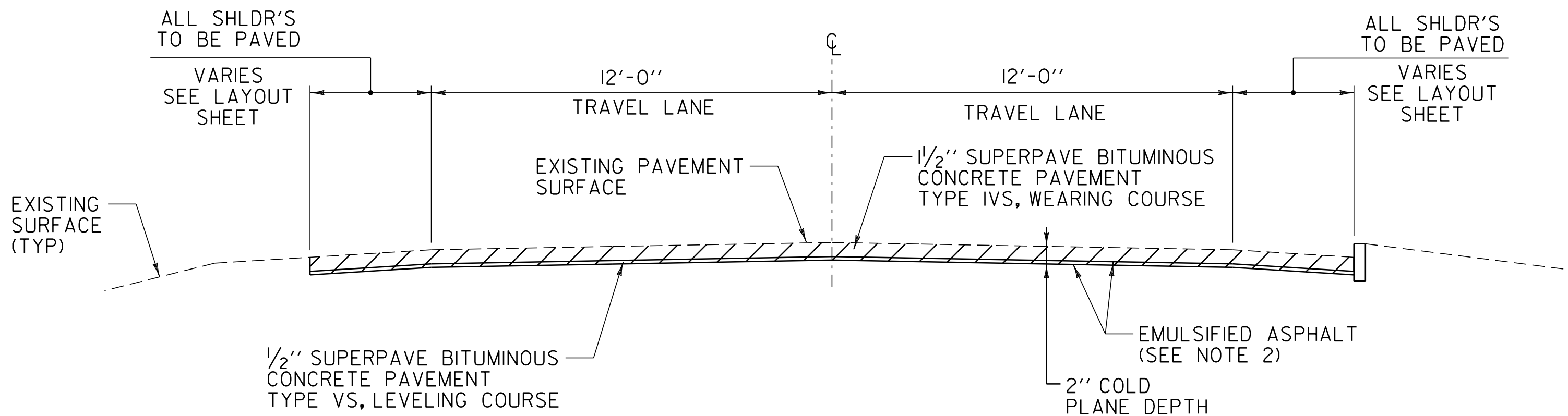
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL 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.

PROJECT MANAGER : MIKE FOWLER
PROJECT NAME : CASTLETON
PROJECT NUMBER : STP 2908 (I)
SHEET 90 OF 152 SHEETS



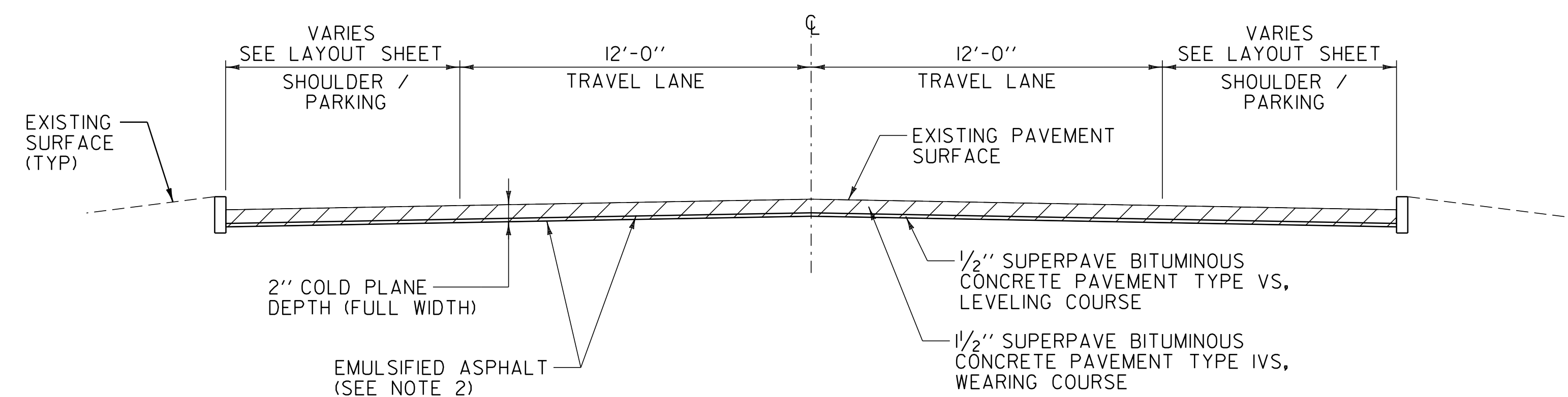
COLD PLANE TYPICAL SECTION

VT. ROUTE 4A CASTLETON STA 147+25.92 TO CASTLETON STA 157+30.00
 VT. ROUTE 4A CASTLETON STA 183+85.00 TO CASTLETON STA 192+50.00
 VT. ROUTE 4A CASTLETON STA 193+65.00 TO CASTLETON STA 203+49.12



COLD PLANE TYPICAL SECTION

VT. ROUTE 4A CASTLETON STA 157+30.00 TO CASTLETON STA 159+13.00
 VT. ROUTE 4A CASTLETON STA 159+29.00 TO CASTLETON STA 161+90.00
 VT. ROUTE 4A CASTLETON STA 183+35.00 TO CASTLETON STA 183+85.00
 VT. ROUTE 4A CASTLETON STA 192+50.00 TO CASTLETON STA 193+65.00



COLD PLANE TYPICAL SECTION

VT. ROUTE 4A CASTLETON STA 161+90.00 TO CASTLETON STA 183+35.00

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	WARM-MIX TECHNOLOGIES	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
CASTLETON:							
VT. ROUTE 4A	147+25.92	157+30.00	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/2"	105	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	157+30.00	159+13.00	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/2"	24	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	159+13.00	159+29.00	FOAMING PROCESS	8'-0" - 12'-0" - 12'-0" - 8'-0"	1/4"	-	BR 5 COLD PLANE 1/4" & PAVE WITH 1/4" TYPE IVS
VT. ROUTE 4A	159+29.00	161+90.00	FOAMING PROCESS	8'-0" - 12'-0" - 12'-0" - 8'-0"	1/2"	34	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	161+90.00	164+25.00	FOAMING PROCESS	8'-0" - 12'-0" - 12'-0" - 8'-0"	1/2"	31	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	164+25.00	169+75.00	FOAMING PROCESS	8'-0" - 12'-0" - 12'-0" - 17'-0"	1/2"	88	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	169+75.00	172+30.00	FOAMING PROCESS	11'-0" - 12'-0" - 12'-0" - 17'-0"	1/2"	43	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	172+30.00	177+60.00	FOAMING PROCESS	13'-0" - 12'-0" - 12'-0" - 17'-0"	1/2"	93	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	177+60.00	182+05.00	FOAMING PROCESS	VARIABLES SEE PLAN	1/2"	96	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	182+05.00	183+35.00	FOAMING PROCESS	15'-0" - 12'-0" - 12'-0" - 15'-0"	1/2"	23	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	183+35.00	183+85.00	FOAMING PROCESS	15'-0" - 12'-0" - 12'-0" - 15'-0"	1/2"	9	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	183+85.00	187+25.00	FOAMING PROCESS	15'-0" - 12'-0" - 12'-0" - 15'-0"	1/2"	56	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	187+25.00	191+10.00	FOAMING PROCESS	12'-0" - 12'-0" - 12'-0" - 12'-0"	1/2"	61	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	191+10.00	192+50.00	FOAMING PROCESS	VARIABLES SEE PLAN	1/2"	24	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	192+50.00	193+65.00	FOAMING PROCESS	VARIABLES SEE PLAN	1/2"	19	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	193+65.00	197+10.00	FOAMING PROCESS	VARIABLES SEE PLAN	1/2"	54	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	197+10.00	202+95.00	FOAMING PROCESS	10'-0" - 12'-0" - 12'-0" - 10'-0"	1/2"	83	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 4A	202+95.00	203+49.12	FOAMING PROCESS	4'-0" - 12'-0" - 12'-0" - 4'-0"	1/2"	7	COLD PLANE 2", LEVEL WITH 1/2" TYPE VS & PAVE WITH 1/2" TYPE IVS

NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE VS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
2. COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. OF CRSI-H OR RSI-H. TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF CRSI-H OR RSI-H.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. COLD PLANING SHALL BE COMPLETED AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
5. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.
6. 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.
7. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I OR ITEM 608.15 POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.40 SUBBASE, RAP. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
8. THE WEARING COURSE OF ALL OF CONTRACT ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, SHALL UTILIZE THE REQUIREMENTS OF ITEM 900.645, SPECIAL PROVISION (INTELLIGENT COMPACTION EQUIPMENT) AS CONTAINED WITHIN THE CONTRACT DOCUMENTS. ALL OTHER CONTRACT PROVISIONS ASSOCIATED WITH ITEM 490.30 SHALL APPLY IN CONJUNCTION WITH THE REQUIREMENTS OF ITEM 900.645.

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			

SEED MIXTURE:

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

SEED:

TO BE APPLIED PER SEEDING FORMULA OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER:

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

AGRICULTURAL LIMESTONE:

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

TOPSOIL:

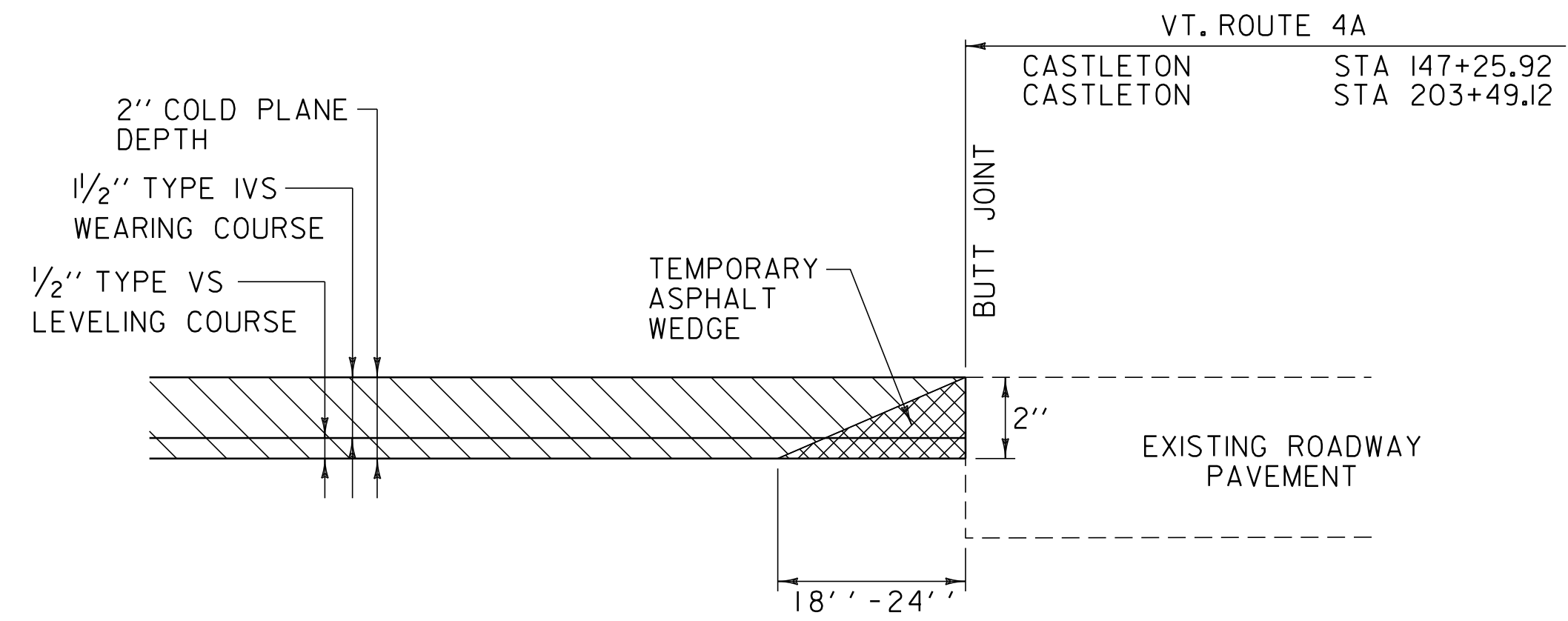
TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:

TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

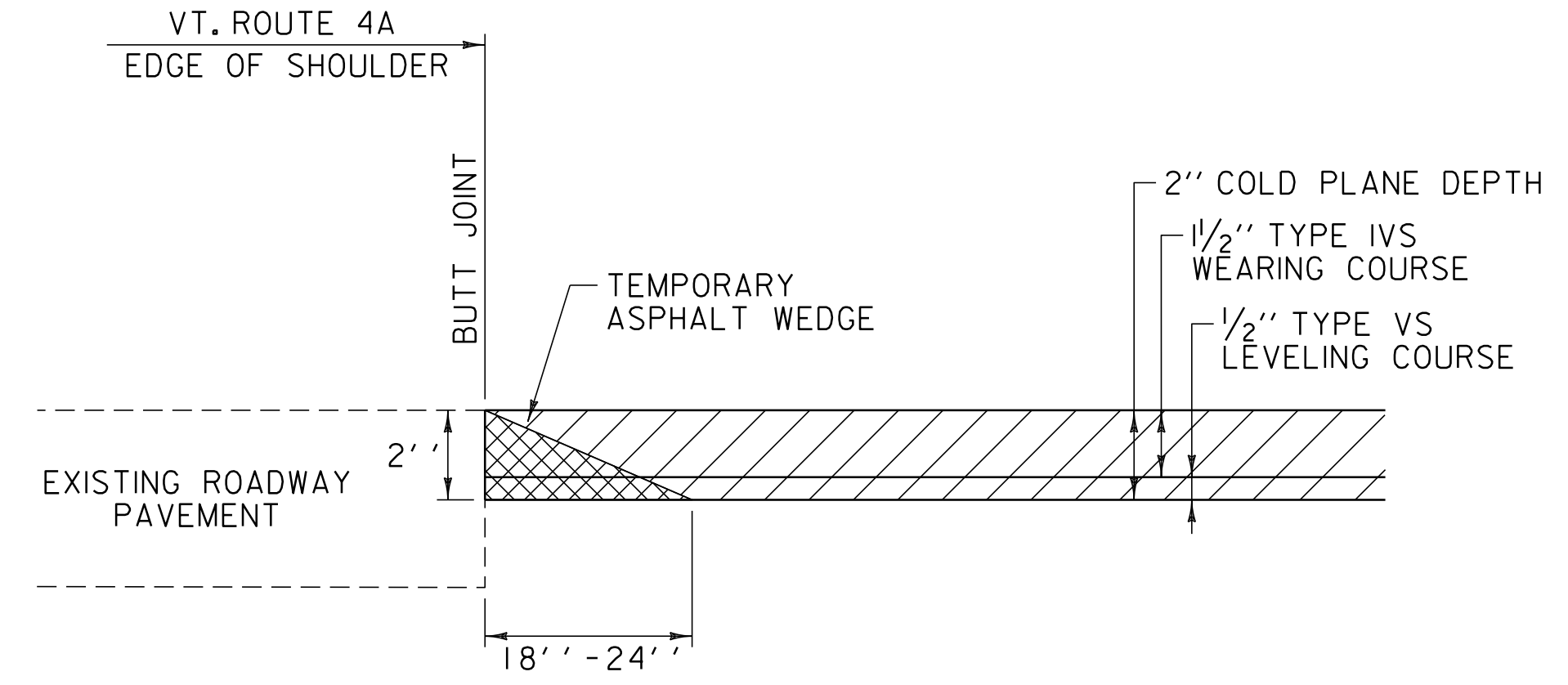
NOT TO SCALE

PROJECT TYPICAL SHEET	PROJECT NAME: CASTLETON	
	PROJECT NUMBER: STP 2908(1)	
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p10c210+yp.i	SHEET 91 OF 152



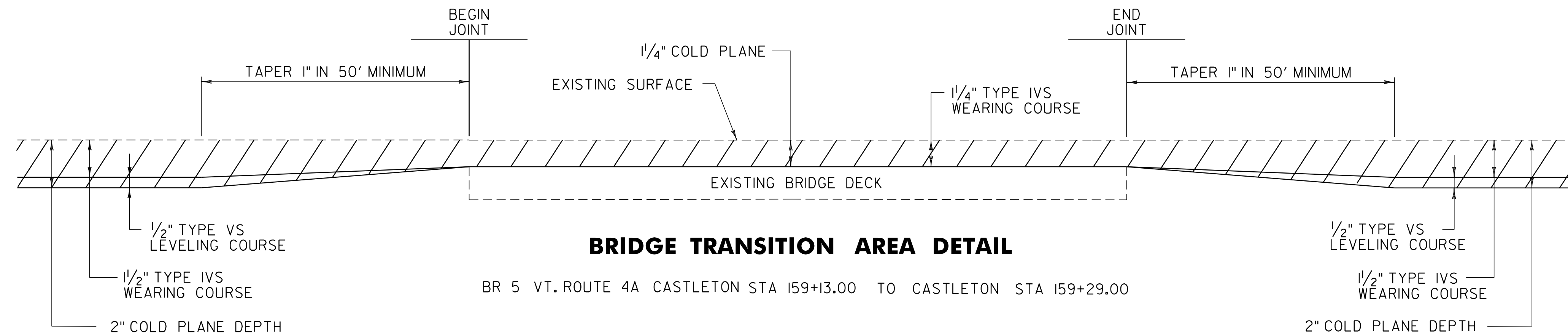
COLD PLANE APPROACH AREA DETAIL

VT. ROUTE 4A CASTLETON STA 147+25.92 - BEGIN PROJECT
 VT. ROUTE 4A CASTLETON STA 203+49.12 - END PROJECT



COLD PLANE SIDE ROAD DETAIL

CASTLETON: TH-5 STA 159+77.28 LT
 TH-II STA 165+73.92 RT
 TH-5 STA 171+38.88 LT
 TH-4 STA 171+38.88 RT
 TH-10 STA 176+24.64 RT
 TH-9 STA 179+30.88 RT
 TH-6 STA 179+62.56 LT
 TH-7 STA 190+76.64 LT



BRIDGE TRANSITION AREA DETAIL

BR 5 VT. ROUTE 4A CASTLETON STA 159+13.00 TO CASTLETON STA 159+29.00

NOT TO SCALE

**PAVING
 DETAILS
 SHEET**

PROJECT NAME: CASTLETON
 PROJECT NUMBER: STP 2908(1)

FILE NAME: p10c210.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: M.J.M.
 IPARM FILE: p10c210pd.i

PLOT DATE: 04-JUN-2013 09:2
 DRAWN BY: W.G.P.
 CHECKED BY: D.E.G.
 SHEET 92 OF 152

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 4A:			
148+45	LT	15	GRAVEL DRIVE
149+25	LT	15	GRAVEL DRIVE
149+81	RT	19	GRAVEL DRIVE
150+95	LT	7	GRAVEL DRIVE
151+53	RT	17	GRAVEL DRIVE
153+10	LT	9	ASPHALT DRIVE
153+19	RT	11	GRAVEL DRIVE
153+87	LT	6	GRAVEL DRIVE
154+60	LT	9	GRAVEL DRIVE
154+92	RT	9	ASPHALT DRIVE
155+62	LT	5	GRAVEL DRIVE
156+36	RT	9	ASPHALT DRIVE
156+71	RT	11	GRAVEL DRIVE
157+23	RT	5	GRAVEL DRIVE
157+34	LT	8	ASPHALT DRIVE
158+04	RT	10	GRAVEL DRIVE
158+35	LT	7	ASPHALT DRIVE
161+28	RT	6	GRAVEL DRIVE
161+63	LT	16	GRAVEL DRIVE
162+70	RT	6	GRAVEL DRIVE
164+04	RT	8	GRAVEL DRIVE
164+92	LT	7	GRAVEL DRIVE
165+48	LT	6	GRAVEL DRIVE
166+23	LT	7	ASPHALT DRIVE
167+07	LT	5	ASPHALT DRIVE
167+52	RT	5	GRAVEL DRIVE
168+47	RT	8	GRAVEL DRIVE
168+69	LT	5	ASPHALT DRIVE
169+66	LT	11	ASPHALT DRIVE
170+08	RT	6	ASPHALT DRIVE
170+80	LT	10	ASPHALT DRIVE
173+29	LT	6	GRAVEL DRIVE
173+87	RT	8	ASPHALT DRIVE
174+67	RT	5	GRAVEL DRIVE
174+72	LT	7	GRAVEL DRIVE
175+65	LT	4	GRAVEL DRIVE
176+23	LT	4	GRAVEL DRIVE
176+75	LT	8	GRAVEL DRIVE
177+52	RT	8	GRAVEL DRIVE
178+30	RT	16	ASPHALT DRIVE
178+85	LT	6	ASPHALT DRIVE
180+28	RT	17	ASPHALT DRIVE
180+78	LT	4	GRAVEL DRIVE
181+20	RT	14	ASPHALT DRIVE
181+66	LT	7	ASPHALT DRIVE
181+74	RT	28	ASPHALT DRIVE
181+87	LT	7	ASPHALT DRIVE
182+23	RT	5	ASPHALT DRIVE
182+64	LT	5	GRAVEL DRIVE
183+42	LT	8	GRAVEL DRIVE
184+06	RT	7	GRAVEL DRIVE
184+30	RT	8	ASPHALT DRIVE
184+63	LT	7	ASPHALT DRIVE
185+12	RT	8	ASPHALT DRIVE
185+72	RT	7	GRAVEL DRIVE
186+54	RT	8	ASPHALT DRIVE
187+52	LT	5	GRAVEL DRIVE
187+52	RT	5	GRAVEL DRIVE
188+14	RT	8	GRAVEL DRIVE
189+04	RT	8	ASPHALT DRIVE
190+74	RT	6	GRAVEL DRIVE
191+29	RT	7	GRAVEL DRIVE
191+63	LT	6	ASPHALT DRIVE
191+91	LT	4	GRAVEL DRIVE
192+36	RT	11	GRAVEL DRIVE

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 4A (CONTINUED):			
192+64	LT	4	GRAVEL DRIVE
193+10	LT	6	GRAVEL DRIVE
193+28	LT	6	GRAVEL DRIVE
194+11	LT	6	GRAVEL DRIVE
195+07	LT	4	GRAVEL DRIVE
196+08	RT	4	GRAVEL DRIVE
196+73	LT	12	ASPHALT DRIVE
197+46	LT	53	GRAVEL DRIVE
199+41	RT	12	GRAVEL DRIVE
200+79	LT	28	ASPHALT DRIVE
202+81	LT	8	GRAVEL DRIVE
SUBTOTAL:		693	
ROUNDING:		57	
TOTAL ITEM	900.675:	750	

NOTE:

1. SEE SHEET 7 FOR DRIVEWAY HANDWORK DETAILS.

DRIVEWAY HANDWORK TABLES SHEET	PROJECT NAME: CASTLETON	
	PROJECT NUMBER: STP 2908(1)	
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p10c210dht.i	SHEET 93 OF 152	

ITEM DETAIL SUMMARY SHEET

LOCATION			GUARDRAIL (GALVANIZED)					SIDEWALK					MISCELLANEOUS				REMARKS
			62L20	62L21	62L53	62L60	62L80	203J5	30L40	616.28	618J0	618.30	604.4I2	604.4I5	604.4I8	676J0	
BEGIN STATION	END STATION	POS.	STEEL BEAM GUARDRAIL GALV. LF	HD S.B. GR. GALV. LF	TERM. CONNECT FOR S.B. GR EA	ANCHOR FOR S.B. RAIL EA	REMOVAL & DISPOSAL OF GUARDRAIL LF	COMMON EXCAV. CY	SUBBASE, RAP TON	CAST-IN-PLACE CONC. CURB. TYPE B LF	P.C.C. SIDEWALK, 5 INCH SY	DETECTABLE WARNING SURFACE SF	REHABING D'S, CB'S OR MH'S			DEL. W/STEEL POST EA	
													EA	EA	EA	EA	
CASTLETON:																	
158+55.0	159+07.0																
147+25.92	203+49.12	LT/RT	27.0	32.5		I	50.5		30				II	2	2	SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER	
158+55.5	159+07.5	LT	14.5	32.5		I	36.5									I	SEE VAOT STANDARD GI-D. PROVIDE ANCHOR AT STA. 158+62.0. CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 159+07.5. SEE SHEET 118 FOR BR 5 DETAILS.
159+32.5	159+47.0	RT															
158+68.0	159+47.0	RT LT	14.5			I	2.5									I	SEE VAOT STANDARD GI-D. PROVIDE ANCHOR AT STA. 158+74.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 159+07.5. SEE SHEET 118 FOR BR 5 DETAILS.
159+25.0	160+09.5	LT RT	52.0	32.5		I	77.5									I	CONNECT NEW STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 159+32.5. SEE VAOT STANDARD GI-D. PROVIDE ANCHOR AT STA. 159+40.5. SEE SHEET 118 FOR BR 5 DETAILS.
159+25.0		RT														I	CONNECT NEW HD STEEL BEAM GUARDRAIL TO NEW BRIDGE RAIL AT STA. 159+32.5. SEE VAOT STANDARD GI-D. PROVIDE ANCHOR AT STA. 160+03.0. SEE SHEET 118 FOR BR 5 DETAILS.
165+55.0		RT						3.2	3.7	14.0-7.5	10.6	10.0					CONSTRUCT SIDEWALK RAMP, TYPE I WITH DETECTABLE WARNING SURFACE.
165+84.0		RT						3.2	3.7	14.0-0.0	10.6	10.0					CONSTRUCT SIDEWALK RAMP, TYPE I WITH DETECTABLE WARNING SURFACE.
171+22.0		LT						3.2	3.7	14.0-0.0	10.6	10.0					CONSTRUCT SIDEWALK RAMP, TYPE I WITH DETECTABLE WARNING SURFACE.
171+22.0		RT						2.0	2.3	7.0-12.0	6.7	10.0					CONSTRUCT SIDEWALK RAMP, TYPE I WITH DETECTABLE WARNING SURFACE.
171+58.0		LT						2.0	2.3	7.0-0.0	6.7	10.0					CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
171+62.0		RT						2.0	2.3	7.0-0.0	6.7	10.0					CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
176+12.0		RT						1.2	1.4		3.9	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
176+35.0		RT						1.2	1.4		3.9	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
179+11.0		RT						1.2	1.4		3.9	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
179+43.0		RT						3.2	2.9	7.0-0.0	8.3	20.0					CONSTRUCT SIDEWALK RAMP, TYPE 3 WITH DETECTABLE WARNING SURFACE.
179+49.0		LT						2.6	3.5	14.0-0.0	10.6	10.0					CONSTRUCT SIDEWALK RAMP, TYPE 6 WITH DETECTABLE WARNING SURFACE.
179+74.0		LT						1.2	1.4		3.9	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
180+89.0		LT						1.7	1.8		5.6	10.0					CONSTRUCT SIDEWALK RAMP, TYPE 2 WITH DETECTABLE WARNING SURFACE.
181+02.0		RT						1.2	1.4		3.9	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
182+17.0		LT								2.5							
182+34.0		LT						1.7	1.8	14.0-11.0	5.6	10.0					CONSTRUCT SIDEWALK RAMP, TYPE 2 WITH DETECTABLE WARNING SURFACE.
190+64.0		LT						0.9	1.0		2.8	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
190+87.0		LT						0.9	1.0		2.8	10.0					CONSTRUCT LEVEL LANDING WITH DETECTABLE WARNING SURFACE.
202+75.0	203+79.0	RT	77.0	32.5	I	I	101.0									I	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 202+81.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE RAIL AT STA 203+79.0. SEE SHEET 119 FOR BR 7 DETAILS.
203+00.0	203+79.0	LT	52.0	32.5	I	I	84.0									I	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHOR AT STA 203+06.5. CONNECT NEW HD STEEL BEAM GUARDRAIL TO EXISTING BRIDGE RAIL AT STA 203+79.0. SEE SHEET 119 FOR BR 7 DETAILS.
SHEET SUBTOTALS:			237.0	162.5	2	6	352.0	32.6	67.0	98-33	107.1	180	II	2	2	6	
ROUNDING:			13.0	12.5	-	-	23.0	2.4	3.0	2	2.9	-	-	-	-	-	
TOTALS:			250	175	2	6	375	35	70	100	110	180	II	2	2	6	

ITEM DETAIL SUMMARY SHEET	PROJECT NAME: CASTLETON
	PROJECT NUMBER: STP 2908(1)
	FILE NAME: p10c210.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p10c210ids1.i
	SHEET 97 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 147+25.92 - STA 153+25.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 147+25.92 - STA 153+25.00 LT C RT
 S - S

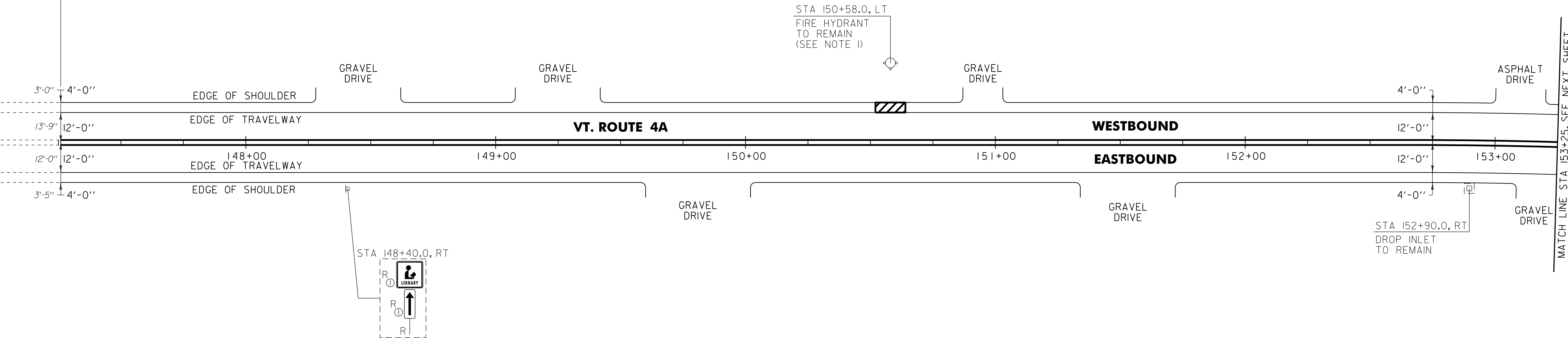
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 147+25.92 - STA 153+25.00

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 147+25.92 - STA 153+25.00 LT C RT
 S - S

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
 646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR
 646.446 DURABLE 8 INCH WHITE LINE, POLYUREA
 CASTLETON:
 STA 150+52.0 - STA 150+64.0 FIRE HYDRANT NO PARKING ZONE LT

675.50 REMOVING SIGNS
 AS SHOWN - 2

BEGIN STP 2908(I)
 CASTLETON
 VT ROUTE 4A
 MM 2.789 = STA 147+25.92



NOTE:
 I. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = -----
 NEW = _____
 R = RETURN TO TOWN
 OF CASTLETON

PROJECT LAYOUT SHEET #1	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2908(I)	DRAWN BY: W.G.P.
	FILE NAME: p10c210.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 98 OF 152
	IPARM FILE: p10c210I01.i	

MATCH LINE STA 153+25, SEE NEXT SHEET

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 153+25.00 - STA 159+25.00 EDGE LINE LT & RT

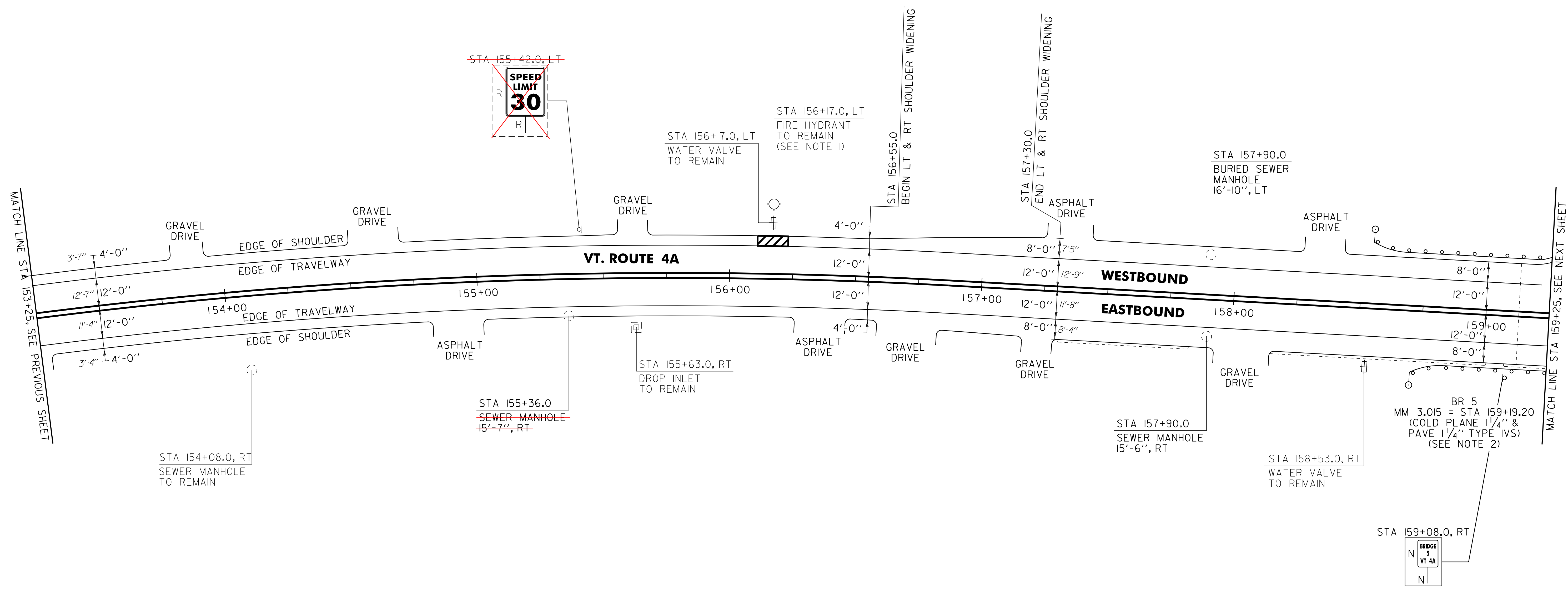
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 153+25.00 - STA 159+25.00 LT S RT S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 153+25.00 - STA 159+25.00 LT S RT S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 153+25.00 - STA 159+25.00 LT S RT S

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
 CASTLETON:
 STA 156+11.0 - STA 156+23.0 FIRE HYDRANT NO PARKING ZONE LT

675.50 REMOVING SIGNS
 AS SHOWN - + 0
 SIGN NOT THERE



525.10 REMOVAL OF EXISTING RAILING
 CASTLETON:
 STA 159+07.5 - STA 159+25.0 LT (17.5 LF)
 STA 159+07.5 - STA 159+25.0 RT (17.5 LF)

525.50 BRIDGE RAILING REPAIR, TYPE I
 CASTLETON:
 STA 159+07.5 - STA 159+25.0 LT (17.5 LF)
 STA 159+07.5 - STA 159+25.0 RT (17.5 LF)

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 155+36.0 RT
 STA 157+90.0 RT
 STA 157+90.0 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 158+55.5 - STA 158+82.5 LT (27.0 LF)
 STA 158+68.0 - STA 158+82.5 RT (14.5 LF)

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 158+82.5 - STA 159+07.5 LT (32.5 LF)
 STA 158+82.5 - STA 159+07.5 RT (32.5 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 158+62.0 LT
 STA 158+74.5 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 158+57.0 - STA 159+07.5 LT (50.5 LF)
 STA 158+71.0 - STA 159+07.5 RT (36.5 LF)

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 158+55.5 LT
 STA 158+68.0 RT

NOTES:
 1. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.
 2. SEE SHEET 118 FOR BR 5 DETAIL.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
PROJECT NUMBER: STP 2908(1)	DRAWN BY: W.G.P.
FILE NAME: p10c210.dgn	CHECKED BY: D.E.G.
PROJECT LEADER: D.E.G.	SHEET 99 OF 152
DESIGNED BY: M.J.M.	
IPARM FILE: p10c210102.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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 159+25.00 - STA 165+25.00 EDGE LINE LT & RT

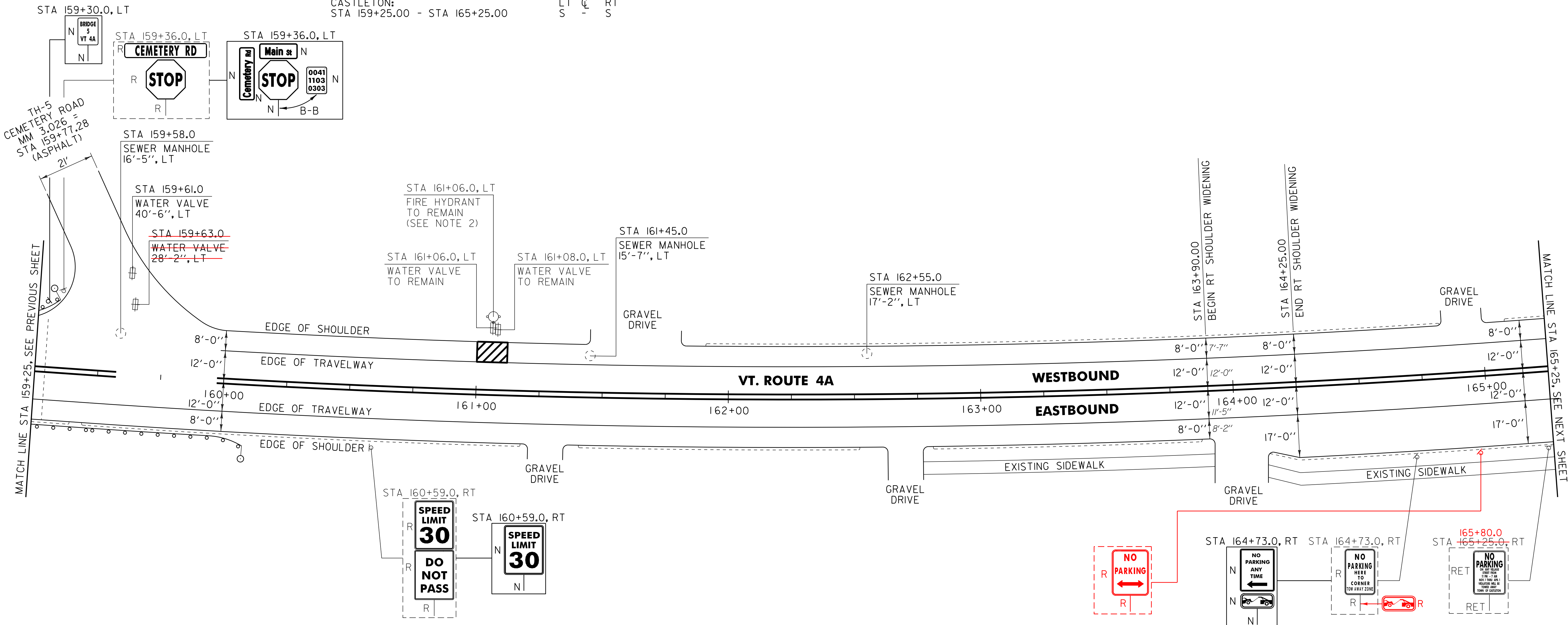
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 159+25.00 - STA 165+25.00 LT S RT S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 159+25.00 - STA 165+25.00 LT S RT S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 159+25.00 - STA 165+25.00 LT S RT S

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
 CASTLETON:
 STA 161+00.0 - STA 161+12.0 FIRE HYDRANT NO PARKING ZONE LT

675.50 REMOVING SIGNS
 AS SHOWN - 57



525.10 REMOVAL OF EXISTING RAILING
 CASTLETON:
 STA 159+25.0 - STA 159+32.5 LT (7.5 LF)
 STA 159+25.0 - STA 159+32.5 RT (7.5 LF)

525.50 BRIDGE RAILING REPAIR, TYPE I
 CASTLETON:
 STA 159+25.0 - STA 159+32.5 LT (7.5 LF)
 STA 159+25.0 - STA 159+32.5 RT (7.5 LF)

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 159+58.0 LT
 STA 161+45.0 LT
 STA 162+55.0 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 159+32.5 - STA 159+47.0 LT (14.5 LF)
 STA 159+57.5 - STA 160+09.5 RT (52.0 LF)

621.21HD STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 159+32.5 - STA 159+57.5 RT (32.5 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 159+40.5 LT
 STA 160+03.0 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 159+32.5 - STA 159+35.0 LT (2.5 LF)
 STA 159+32.5 - STA 160+10.0 RT (77.5 LF)

629.20 ADJUST ELEVATION OF VALVE BOX
 CASTLETON:
 STA 159+61.0 LT
 STA 159+63.0 LT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 159+47.0 LT
 STA 160+09.5 RT

NOTES:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 4A EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

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

PROJECT LAYOUT SHEET #3	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PROJECT NUMBER: STP 2908(1)
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c210I03.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 100 OF 152

646.402 DURABLE 4 INCH YELLOW 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 TOWN HIGHWAYS)
 CASTLETON:
 STA 165+25.00 - STA 170+75.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 165+25.00 - STA 170+75.00 EDGE LINE 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
 CASTLETON:
 STA 165+28.0 - STA 165+40.0 FIRE HYDRANT NO PARKING ZONE LT
 STA 166+13.0 - STA 166+25.0 FIRE HYDRANT NO PARKING ZONE RT
 STA 168+79.0 - STA 168+91.0 FIRE HYDRANT NO PARKING ZONE LT

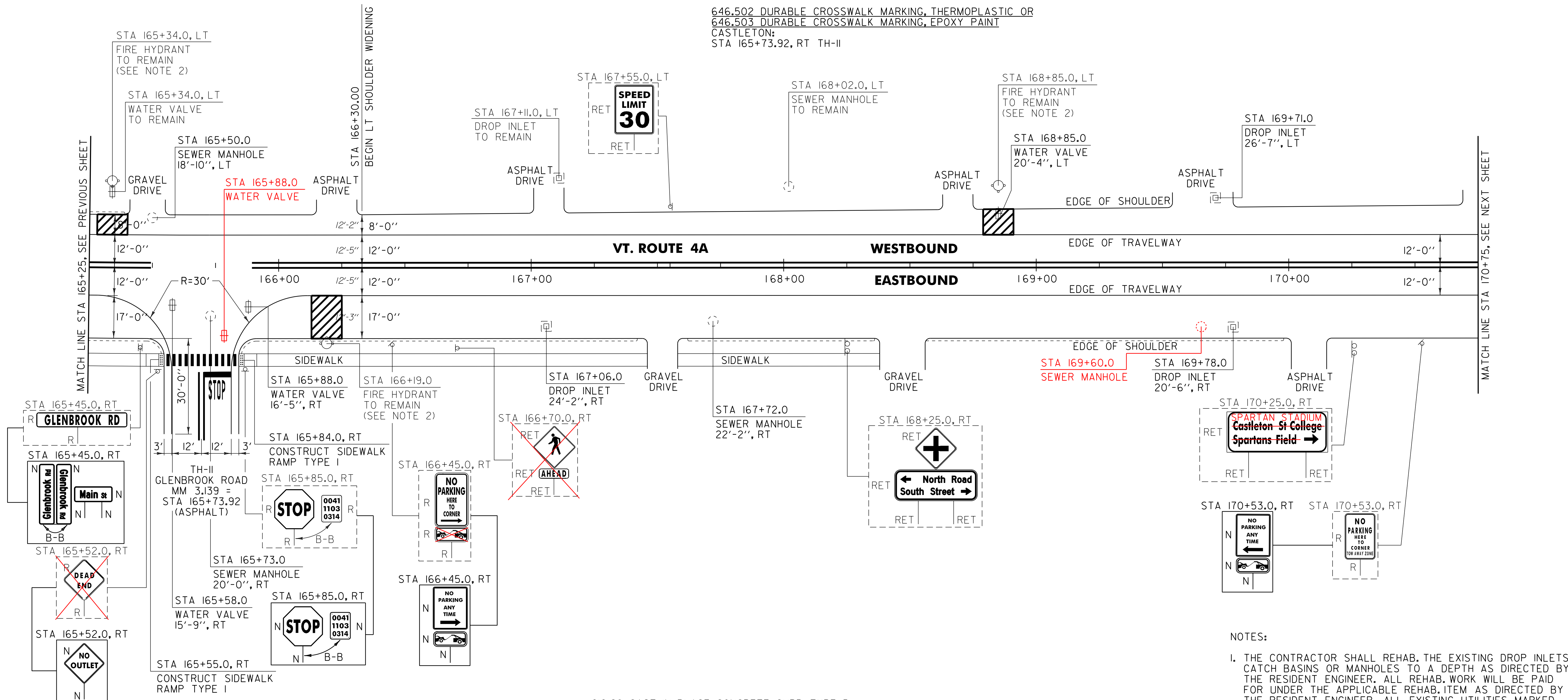
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 165+73.92 RT, TH-II
 646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 165+73.92 RT, TH-II, "S,T,O,P" (4 EA)
 646.702 TEMPORARY CROSSWALK MARKING, PAINT
 CASTLETON:
 STA 165+73.92, RT TH-II

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 165+25.00 - STA 170+75.00 LT S - RT S
 STA 165+73.92 DOUBLE SOLID, RT TH-II

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 165+25.00 - STA 170+75.00 LT S - RT S
 STA 165+73.92 DOUBLE SOLID, RT TH-II

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
 646.483 DURABLE 24 INCH STOP BAR, EPOXY PAINT OR
 CASTLETON:
 STA 165+73.92 RT, TH-II
 646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 165+73.92 RT, TH-II, "S,T,O,P" (4 EA)
 646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC OR
 646.503 DURABLE CROSSWALK MARKING, EPOXY PAINT
 CASTLETON:
 STA 165+73.92, RT TH-II

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 165+73.92 RT, TH-II
 646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 165+73.92 RT, TH-II, "S,T,O,P" (4 EA)
 646.702 TEMPORARY CROSSWALK MARKING, PAINT
 CASTLETON:
 STA 165+73.92, RT TH-II



604.412, 604.415 OR 604.418 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES (SEE NOTE 1)
 CASTLETON:
 STA 167+06.0 RT
 STA 169+71.0 LT
 STA 169+78.0 RT

629.20 ADJUST ELEVATION OF VALVE BOX
 CASTLETON:
 STA 165+58.0 RT
 STA 165+88.0 RT
 STA 168+85.0 LT
 STA 165+80.0 RT

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
 CASTLETON:
 STA 165+55.0 RT (14.0 LF)
 STA 165+84.0 RT (14.0 LF)

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
 CASTLETON:
 STA 165+55.0 RT (10.6 SY)
 STA 165+84.0 RT (10.6 SY)

618.30 DETECTABLE WARNING SURFACE
 CASTLETON:
 STA 165+55.0 RT (10.0 SF)
 STA 165+84.0 RT (10.0 SF)

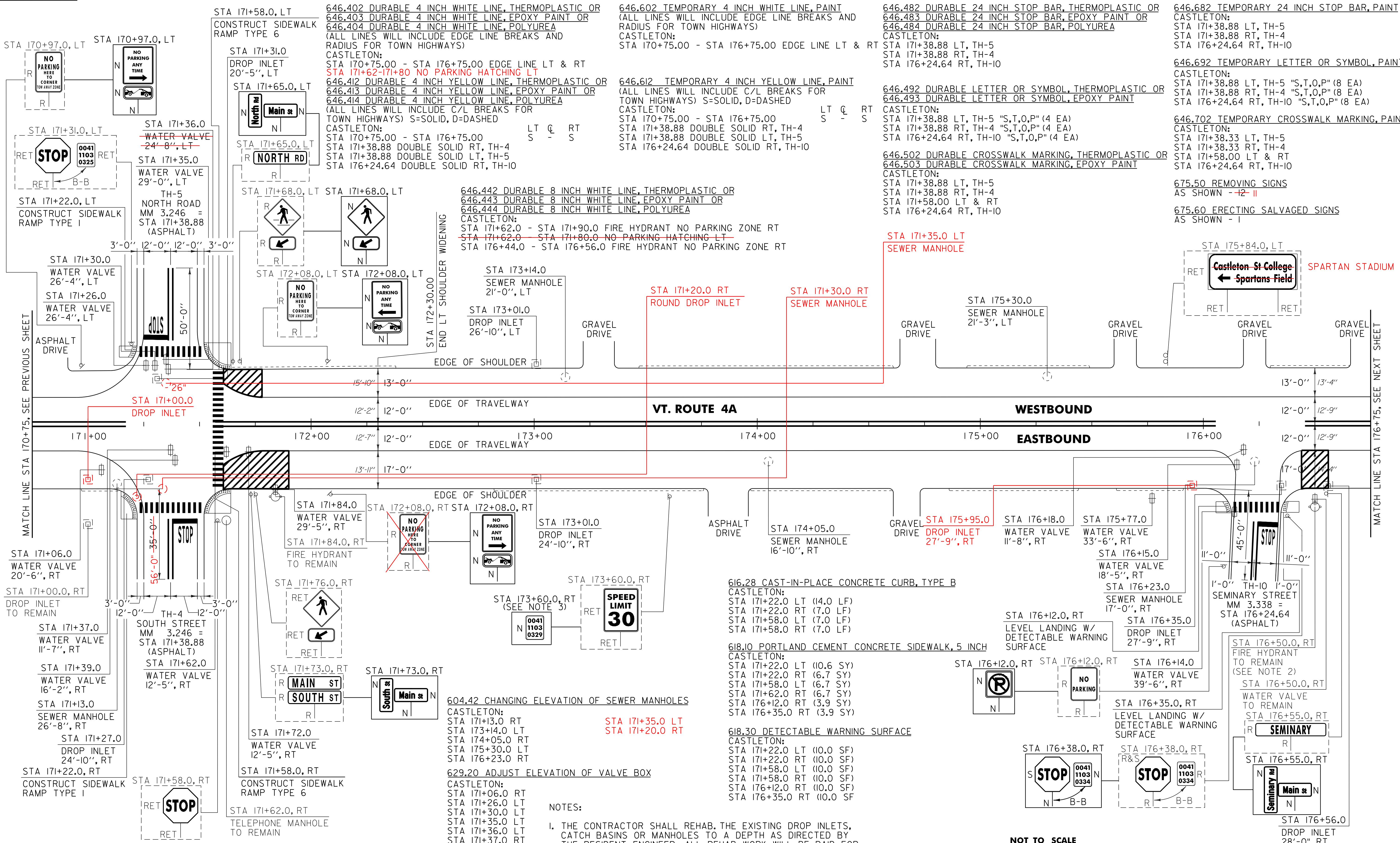
604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 165+50.0 LT
 STA 165+73.0 RT
 STA 167+72.0 RT

STA 169+60.0 RT

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

NOTES:
 1. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.
 2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

PROJECT LAYOUT SHEET #4	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PROJECT NUMBER: STP 2908(1)
	FILE NAME: p10c210.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c210I04.i	PLOT DATE: 04-JUN-2013 09:2 DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 101 OF 152



646.202 DURABLE 3 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 TOWN HIGHWAYS)
 CASTLETON:
 STA 170+75.00 - STA 176+75.00 EDGE LINE LT & RT
 STA 171+62.0 - STA 171+80.0 NO PARKING HATCHING LT
 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 170+75.00 - STA 176+75.00 LT & RT
 STA 171+38.88 DOUBLE SOLID RT, TH-4
 STA 171+38.88 DOUBLE SOLID LT, TH-5
 STA 176+24.64 DOUBLE SOLID RT, TH-10

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 170+75.00 - STA 176+75.00 LT & RT
 STA 171+38.88 DOUBLE SOLID RT, TH-4
 STA 171+38.88 DOUBLE SOLID LT, TH-5
 STA 176+24.64 DOUBLE SOLID RT, TH-10

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
 CASTLETON:
 STA 171+38.88 LT, TH-5
 STA 171+38.88 RT, TH-4
 STA 176+24.64 RT, TH-10

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 171+38.88 LT, TH-5
 STA 171+38.88 RT, TH-4
 STA 176+24.64 RT, TH-10

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
 CASTLETON:
 STA 171+62.0 - STA 171+90.0 FIRE HYDRANT NO PARKING ZONE RT
 STA 171+62.0 - STA 171+80.0 NO PARKING HATCHING LT
 STA 176+44.0 - STA 176+56.0 FIRE HYDRANT NO PARKING ZONE RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 171+38.88 LT, TH-5 "S,T,O,P" (4 EA)
 STA 171+38.88 RT, TH-4 "S,T,O,P" (4 EA)
 STA 176+24.64 RT, TH-10 "S,T,O,P" (4 EA)

646.702 TEMPORARY CROSSWALK MARKING, PAINT
 CASTLETON:
 STA 171+38.33 LT, TH-5
 STA 171+38.33 RT, TH-4
 STA 171+58.00 LT & RT
 STA 176+24.64 RT, TH-10

675.50 REMOVING SIGNS
 AS SHOWN - I-2 - II

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - I

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
 CASTLETON:
 STA 171+22.0 LT (14.0 LF)
 STA 171+22.0 RT (7.0 LF)
 STA 171+58.0 LT (7.0 LF)
 STA 171+58.0 RT (7.0 LF)

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
 CASTLETON:
 STA 171+22.0 LT (10.6 SY)
 STA 171+22.0 RT (6.7 SY)
 STA 171+58.0 LT (6.7 SY)
 STA 171+58.0 RT (6.7 SY)
 STA 176+12.0 RT (3.9 SY)
 STA 176+35.0 RT (3.9 SY)

618.30 DETECTABLE WARNING SURFACE
 CASTLETON:
 STA 171+22.0 LT (10.0 SF)
 STA 171+22.0 RT (10.0 SF)
 STA 171+58.0 LT (10.0 SF)
 STA 171+58.0 RT (10.0 SF)
 STA 176+12.0 RT (10.0 SF)
 STA 176+35.0 RT (10.0 SF)

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 171+13.0 RT
 STA 173+14.0 LT
 STA 174+05.0 RT
 STA 175+30.0 LT
 STA 176+23.0 RT

629.20 ADJUST ELEVATION OF VALVE BOX
 CASTLETON:
 STA 171+06.0 RT
 STA 171+26.0 LT
 STA 171+30.0 LT
 STA 171+35.0 LT
 STA 171+36.0 LT
 STA 171+37.0 RT
 STA 171+39.0 RT
 STA 171+62.0 RT
 STA 171+72.0 RT
 STA 171+84.0 RT
 STA 175+77.0 RT
 STA 176+14.0 RT
 STA 176+15.0 RT
 STA 176+18.0 RT

NOTES:

1. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.
2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.
3. NEW MILE MARKER SIGN TO BE INSTALLED ON THE EXISTING SIGN POST.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #5

PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
PROJECT NUMBER: STP 2908(1)	DRAWN BY: W.G.P.
FILE NAME: p10c210.dgn	CHECKED BY: D.E.G.
PROJECT LEADER: D.E.G.	SHEET 102 OF 152
DESIGNED BY: M.J.M.	
IPARM FILE: p10c210I05.i	

604.412, 604.415 OR 604.418 REHAB. DROP INLETS, CATCH BASINS OR MANHOLES (SEE NOTE 1)
 CASTLETON:
 STA 171+27.0 RT
 STA 171+31.0 LT
 STA 173+01.0 RT
 STA 173+01.0 LT
 STA 176+35.0 RT
 STA 176+56.0 RT

STA 171+00.0 RT
 STA 175+95.0 RT

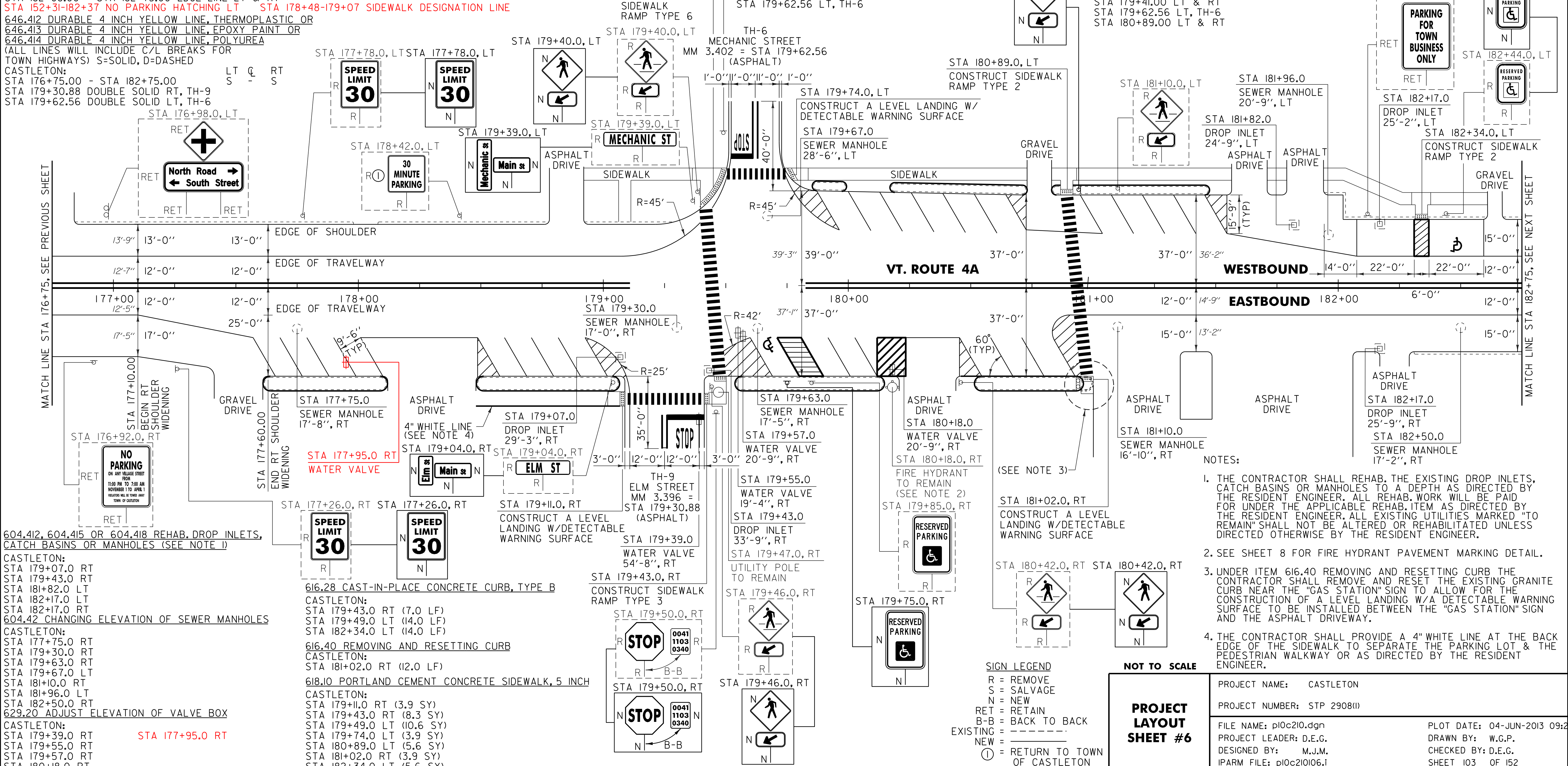
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 176+75.00 - STA 177+57.00 EDGE LINE LT & RT
 STA 177+57.00 - STA 179+78.00 EDGE LINE LT
 STA 177+57.00 - STA 178+10.00 PARKINGS STALLS RT
 STA 178+49.00 - STA 178+59.00 RT, NO PARKING HATCHING
 STA 178+59.00 - STA 178+83.00 PARKING STALLS RT
 STA 178+83.00 - STA 179+09.00 RT, NO PARKING HATCHING
 STA 179+49.00 - STA 179+69.00 RT, NO PARKING HATCHING
 STA 179+69.00 - STA 180+12.00 PARKING STALLS RT
 STA 179+78.00 - STA 179+96.00 LT, NO PARKING HATCHING
 STA 179+96.00 - STA 180+64.00 PARKING STALLS LT
 STA 180+55.00 - STA 180+84.00 PARKING STALLS RT
 STA 180+64.00 - STA 180+55.00 RT, NO PARKING HATCHING
 STA 180+74.00 - STA 180+74.00 LT, NO PARKING HATCHING
 STA 180+84.00 - STA 180+93.00 RT, NO PARKING HATCHING
 STA 180+93.00 - STA 182+08.00 EDGE LINE RT
 STA 181+01.00 - STA 181+43.00 PARKING STALLS LT
 STA 181+45.00 - STA 181+55.00 LT, NO PARKING HATCHING
 STA 182+08.00 - STA 182+45.00 PARKING STALLS LT
 STA 182+08.00 - STA 182+75.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 176+75.00 - STA 177+57.00 EDGE LINE LT & RT
 STA 177+57.00 - STA 179+78.00 EDGE LINE LT
 STA 177+57.00 - STA 178+10.00 PARKINGS STALLS RT
 STA 178+49.00 - STA 178+59.00 RT, NO PARKING HATCHING
 STA 178+59.00 - STA 178+83.00 PARKING STALLS RT
 STA 178+83.00 - STA 179+09.00 RT, NO PARKING HATCHING
 STA 179+49.00 - STA 179+69.00 RT, NO PARKING HATCHING
 STA 179+69.00 - STA 180+12.00 PARKING STALLS RT
 STA 179+78.00 - STA 179+96.00 LT, NO PARKING HATCHING
 STA 179+96.00 - STA 180+64.00 PARKING STALLS LT
 STA 180+55.00 - STA 180+84.00 PARKING STALLS RT
 STA 180+64.00 - STA 180+55.00 RT, NO PARKING HATCHING
 STA 180+74.00 - STA 180+74.00 LT, NO PARKING HATCHING
 STA 180+84.00 - STA 180+93.00 RT, NO PARKING HATCHING
 STA 180+93.00 - STA 182+08.00 EDGE LINE RT
 STA 181+01.00 - STA 181+43.00 PARKING STALLS LT
 STA 181+45.00 - STA 181+55.00 LT, NO PARKING HATCHING
 STA 182+08.00 - STA 182+45.00 PARKING STALLS LT
 STA 182+08.00 - STA 182+75.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 176+75.00 - STA 182+75.00 LT & RT
 STA 179+30.88 DOUBLE SOLID RT, TH-9
 STA 179+62.56 DOUBLE SOLID LT, TH-6
 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
 CASTLETON: SEE NOTE 4
 STA 180+12.0 - STA 180+24.0 FIRE HYDRANT NO PARKING ZONE RT
~~STA 182+31.0 - STA 182+37.0 NO PARKING HATCHING LT~~
~~STA 178+48.0 - STA 179+07.0 SIDEWALK DESIGNATION LINE 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
 CASTLETON:
 STA 179+30.88 RT, TH-9
 STA 179+62.56 LT, TH-6
 646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 179+30.88 RT, TH-9
 STA 179+62.56 LT, TH-6

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 179+30.88 RT, TH-9 "S,T,O,P" (4 EA)
 STA 179+62.56 LT, TH-6 "S,T,O,P" (4 EA)
 STA 179+67.60 RT, HANDICAP SYMBOL (1EA)
 STA 182+46.82 LT, HANDICAP SYMBOL (1EA)
 646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 179+30.88 RT, TH-9 "S,T,O,P" (8 EA)
 STA 179+62.56 LT, TH-6 "S,T,O,P" (8 EA)
 646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC OR
 646.503 DURABLE CROSSWALK MARKING, EPOXY PAINT
 CASTLETON:
 STA 179+30.88 RT, TH-9
 STA 179+41.00 LT & RT
 STA 179+62.56 LT, TH-6
 STA 180+89.00 LT & RT
 646.702 TEMPORARY CROSSWALK MARKING, PAINT
 CASTLETON:
 STA 179+30.88 RT, TH-9
 STA 179+41.00 LT & RT
 STA 179+62.56 LT, TH-6
 STA 180+89.00 LT & RT

675.50 REMOVING SIGNS
 AS SHOWN - 19
 618.30 DETECTABLE WARNING
 SURFACE
 CASTLETON:
 STA 179+11.0 RT (10.0 SF)
 STA 179+43.0 RT (20.0 SF)
 STA 179+49.0 LT (10.0 SF)
 STA 179+74.0 LT (10.0 SF)
 STA 180+89.0 LT (10.0 SF)
 STA 181+02.0 RT (10.0 SF)
 STA 182+34.0 LT (10.0 SF)



MATCH LINE STA 176+75, SEE PREVIOUS SHEET

MATCH LINE STA 182+75, SEE NEXT SHEET

604.412, 604.415 OR 604.418 REHAB. DROP INLETS,
 CATCH BASINS OR MANHOLES (SEE NOTE 1)
 CASTLETON:
 STA 179+07.0 RT
 STA 179+43.0 RT
 STA 181+82.0 LT
 STA 182+17.0 LT
 STA 182+17.0 RT
 604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 177+75.0 RT
 STA 179+30.0 RT
 STA 179+63.0 RT
 STA 179+67.0 LT
 STA 181+10.0 RT
 STA 181+96.0 LT
 STA 182+50.0 RT
 629.20 ADJUST ELEVATION OF VALVE BOX
 CASTLETON:
 STA 179+39.0 RT
 STA 179+55.0 RT
 STA 179+57.0 RT
 STA 180+18.0 RT

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
 CASTLETON:
 STA 179+43.0 RT (7.0 LF)
 STA 179+49.0 LT (14.0 LF)
 STA 182+34.0 LT (14.0 LF)
 616.40 REMOVING AND RESETTNG CURB
 CASTLETON:
 STA 181+02.0 RT (12.0 LF)
 618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
 CASTLETON:
 STA 179+11.0 RT (3.9 SY)
 STA 179+43.0 RT (8.3 SY)
 STA 179+49.0 LT (10.6 SY)
 STA 179+74.0 LT (3.9 SY)
 STA 180+89.0 LT (5.6 SY)
 STA 181+02.0 RT (3.9 SY)
 STA 182+34.0 LT (5.6 SY)

STA 177+78.0, LT
 STA 177+78.0, LT
 STA 179+40.0, LT
 STA 179+40.0, LT
 STA 179+39.0, LT
 STA 179+39.0, LT
 STA 178+42.0, LT
 STA 179+07.0
 STA 179+04.0, RT
 STA 179+04.0, RT
 STA 179+11.0, RT
 STA 179+11.0, RT
 STA 179+39.0
 STA 179+43.0, RT
 STA 179+50.0, RT
 STA 179+50.0, RT
 STA 179+46.0, RT
 STA 179+46.0, RT
 STA 179+50.0, RT
 STA 179+50.0, RT
 STA 179+46.0, RT
 STA 179+46.0, RT
 STA 179+50.0, RT
 STA 179+50.0, RT

NOTES:
 1. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.
 2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.
 3. UNDER ITEM 616.40 REMOVING AND RESETTNG CURB THE CONTRACTOR SHALL REMOVE AND RESET THE EXISTING GRANITE CURB NEAR THE "GAS STATION" SIGN TO ALLOW FOR THE CONSTRUCTION OF A LEVEL LANDING W/A DETECTABLE WARNING SURFACE TO BE INSTALLED BETWEEN THE "GAS STATION" SIGN AND THE ASPHALT DRIVEWAY.
 4. THE CONTRACTOR SHALL PROVIDE A 4" WHITE LINE AT THE BACK EDGE OF THE SIDEWALK TO SEPARATE THE PARKING LOT & THE PEDESTRIAN WALKWAY OR AS DIRECTED BY THE RESIDENT ENGINEER.

SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____
 (1) = RETURN TO TOWN OF CASTLETON

PROJECT NAME: CASTLETON
 PROJECT NUMBER: STP 2908(1)
 FILE NAME: p10c210.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: M.J.M.
 IPARM FILE: p10c210I06.i

PLOT DATE: 04-JUN-2013 09:2
 DRAWN BY: W.G.P.
 CHECKED BY: D.E.G.
 SHEET 103 OF 152

PROJECT LAYOUT SHEET #6

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 182+75.00 - STA 188+75.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 182+75.00 - STA 188+75.00

LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 182+75.00 - STA 188+75.00

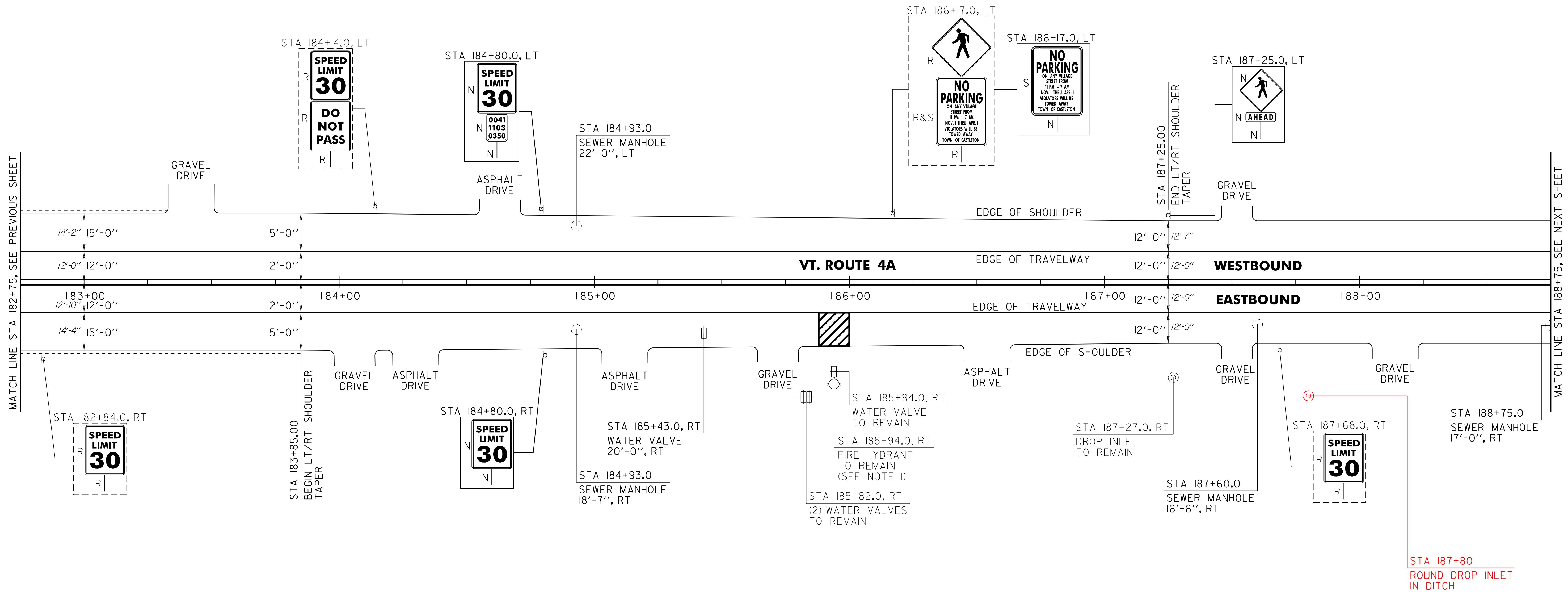
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 182+75.00 - STA 188+75.00

LT C RT
 S - S

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
 CASTLETON:
 STA 185+88.0 - STA 186+00.0 FIRE HYDRANT NO PARKING ZONE RT

675.50 REMOVING SIGNS
 AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



MATCH LINE STA 182+75, SEE PREVIOUS SHEET

MATCH LINE STA 188+75, SEE NEXT SHEET

NOTE:
 1. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 184+93.0 LT
 STA 184+93.0 RT
 STA 187+60.0 RT
 STA 188+75.0 RT

629.20 ADJUST ELEVATION OF VALVE BOX
 CASTLETON:
 STA 185+43.0 RT

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

NOT TO SCALE

PROJECT LAYOUT SHEET #7	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2908(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c210.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 104 OF 152
IPARM FILE: p10c210107.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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 188+75.00 - STA 194+75.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 188+75.00 - STA 194+75.00 LT S RT S
 STA 190+76.64 DOUBLE SOLID LT, TH-7

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 188+75.00 - STA 194+75.00 LT S RT S
 STA 190+76.64 DOUBLE SOLID LT, TH-7

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 188+75.00 - STA 194+75.00 LT S RT S
 STA 190+76.64 DOUBLE SOLID LT, TH-7

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
 CASTLETON:
 STA 193+52.0 - STA 193+64.0 FIRE HYDRANT NO PARKING ZONE LT

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
 CASTLETON:
 STA 190+76.64 LT, TH-7

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 190+76.64 LT, TH-7 "S,T,O,P" (4 EA)

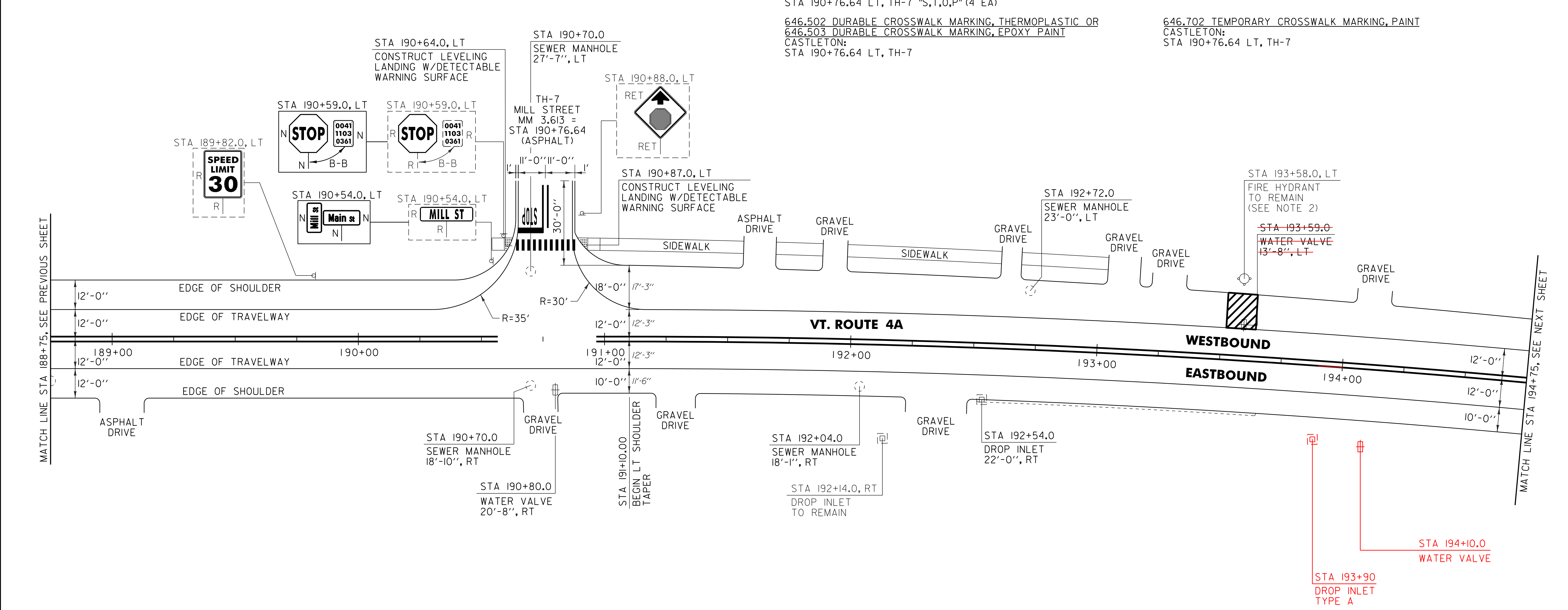
646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC OR
 646.503 DURABLE CROSSWALK MARKING, EPOXY PAINT
 CASTLETON:
 STA 190+76.64 LT, TH-7

675.50 REMOVING SIGNS
 AS SHOWN - 4

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 190+76.64 LT, TH-7

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 190+76.64 LT, TH-7 "S,T,O,P" (8 EA)

646.702 TEMPORARY CROSSWALK MARKING, PAINT
 CASTLETON:
 STA 190+76.64 LT, TH-7



604.412, 604.415 OR 604.418 REHAB. DROP INLETS, CATCH
 BASINS OR MANHOLES (SEE NOTE 1)
 CASTLETON:
 STA 192+54.0 RT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 CASTLETON:
 STA 190+70.0 LT
 STA 190+70.0 RT
 STA 192+04.0 RT
 STA 192+72.0 LT

629.20 ADJUST ELEVATION OF VALVE BOX
 CASTLETON:
 STA 190+80.0 RT
 STA 193+59.0 LT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
 CASTLETON:
 STA 190+64.0 LT (3.9 SY)
 STA 190+87.0 LT (3.9 SY)

618.30 DETECTABLE WARNING SURFACE
 CASTLETON:
 STA 190+64.0 LT (10.0 SF)
 STA 190+87.0 LT (10.0 SF)

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

NOTES:
 1. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.
 2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

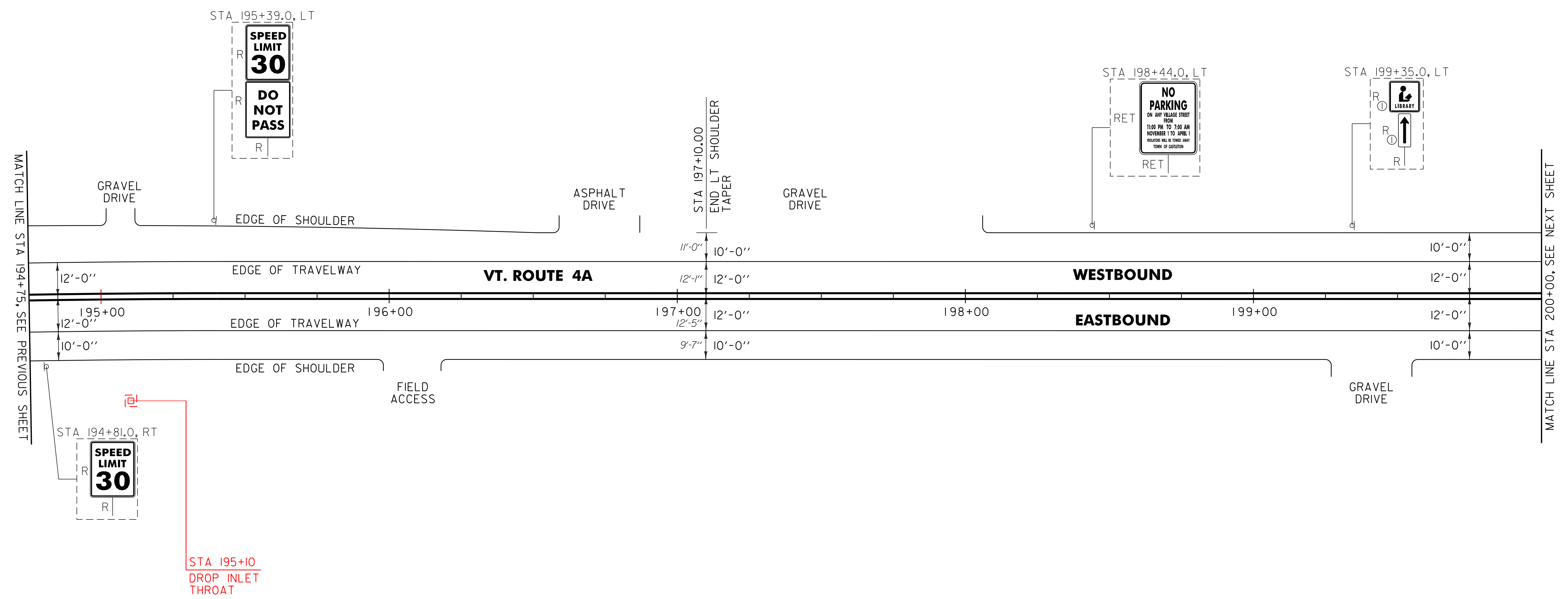
PROJECT LAYOUT SHEET #8	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PROJECT NUMBER: STP 2908(1)
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p10c210108.i	SHEET 105 OF 152

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 TOWN HIGHWAYS)
CASTLETON:
STA 194+75.00 - STA 200+00.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR TOWN HIGHWAYS)
CASTLETON:
STA 194+75.00 - STA 200+00.00 EDGE LINE 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/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
CASTLETON:
STA 194+75.00 - STA 200+00.00 LT C RT
S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C/L BREAKS FOR
TOWN HIGHWAYS) S=SOLID, D=DASHED
CASTLETON:
STA 194+75.00 - STA 200+00.00 LT C RT
S - S



SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = -----
NEW = _____
R = RETURN TO TOWN
OF CASTLETON

PROJECT LAYOUT SHEET #9	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2908(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c210.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c210i09.i	SHEET 106 OF 152

NOT TO SCALE

MATCH LINE STA 194+75.00, SEE PREVIOUS SHEET

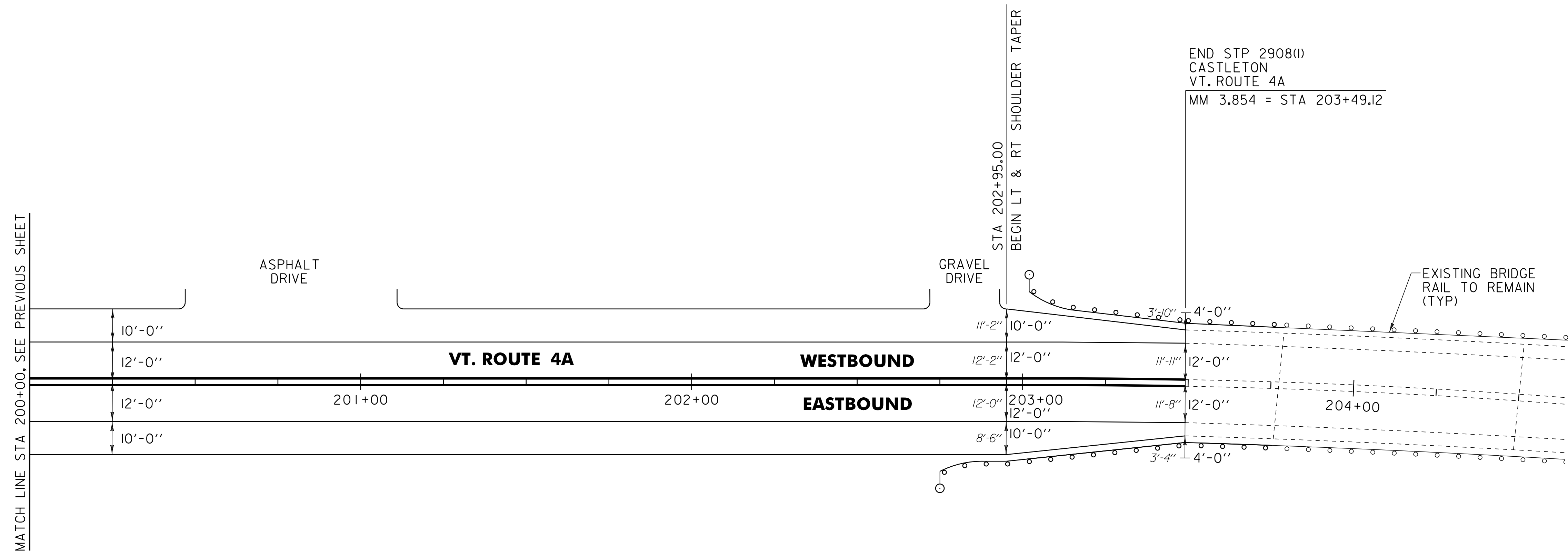
MATCH LINE STA 200+00.00, SEE NEXT SHEET

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 200+00.00 - STA 203+49.12 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 200+00.00 - STA 203+49.12 LT ☉ RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 200+00.00 - STA 203+49.12 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 200+00.00 - STA 203+49.12 LT ☉ RT
 S - S



621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 202+75.0 - STA 203+52.0 RT (77.0 LF)
 STA 203+00.0 - STA 203+52.0 LT (52.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 202+81.5 RT
 STA 203+06.5 LT

621.21 HD STEEL BEAM GUARDRAIL, GALVANIZED
 CASTLETON:
 STA 203+52.0 - STA 203+77.0 LT (32.5 LF)
 STA 203+52.0 - STA 203+77.0 RT (32.5 LF)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 202+78.0 - STA 203+79.0 RT (101.0 LF)
 STA 202+95.0 - STA 203+79.0 LT (84.0 LF)

621.53 TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
 CASTLETON:
 STA 203+77.0 - STA 203+79.0 LT
 STA 203+77.0 - STA 203+79.0 RT

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 202+75.0 RT
 STA 203+00.0 LT

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

PROJECT LAYOUT SHEET #10	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PROJECT NUMBER: STP 2908(1)
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c21010.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 107 OF 152

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS						EXIST POST RETAI SALVAGE	NEW SIGN POSTS													REMARKS	SIGN DETAIL					
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM (in)			TUBULAR STEEL (in)				W-SHAPE STEEL			DETAIL IN SHS	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER			
										1.12		2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	3.0	3.5	4.0	5.0	24"					30"	WEIGHT	POST SIZE

CASTLETON: 159+08.0, RT		I	6	8	0.33					I																	SIGN ID CODE VD-70I			E-134
159+30.0, LT		I	6	8	0.33					I																	SIGN ID CODE VD-70I			E-134
159+36.0, LT		I	42	12	3.5					I																	TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGNS ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		I16 I16	
		I	30	30	6.25																						BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700	X		E-138
160+59.0, RT		I	24	30	5.00					I																	SIGN ID CODE R2-1	X		
164+73.0, RT		I	12	18	1.50					I																	SIGN ID CODE R7-IL	X		
		I	12	6	0.50																						SIGN ID CODE R7-20IP	X		
165+45.0, RT		I	48	12	4.00					2																	SIGNS TO BE MOUNTED BACK-TO-BACK SEE DETAIL ON SHEET I16.		I16 I16 I16	

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																													

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: CASTLETON
PROJECT NUMBER: STP 2908(1)

FILE NAME: p10c210.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p10c210+ssl.i

PLOT DATE: 04-JUN-2013 09:2
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 108 OF 152

TRAFFIC SIGN SUMMARY SHEET 4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	NO. OF 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		FRUIT TREE		DETAIL IN SHS	DETAIL ON DWG. 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
																							1.88	2.42							
CASTLETON: 173+60.0, RT		I	6	10	0.42																				SIGN ID CODE VD-700 SIGN TO BE MOUNTED ON EXISTING POST.			E-138			
176+12.0, RT		I	24	24	4.00																				SIGN ID CODE R8-3	X					
176+38.0, RT		I	6	10	0.42																				BACK-TO-BACK SIGN ID CODE VD-700			E-138			
176+55.0, RT		I	42	12	3.5																				TOP MOUNTING BRACKET REQUIRED TO INSTALL SIGNS ON POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.		116	116			
177+26.0, RT		I	24	30	5.00																				SIGN ID CODE R2-1	X					
177+78.0, LT		I	24	30	5.00																				SIGN ID CODE R2-1	X					

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."

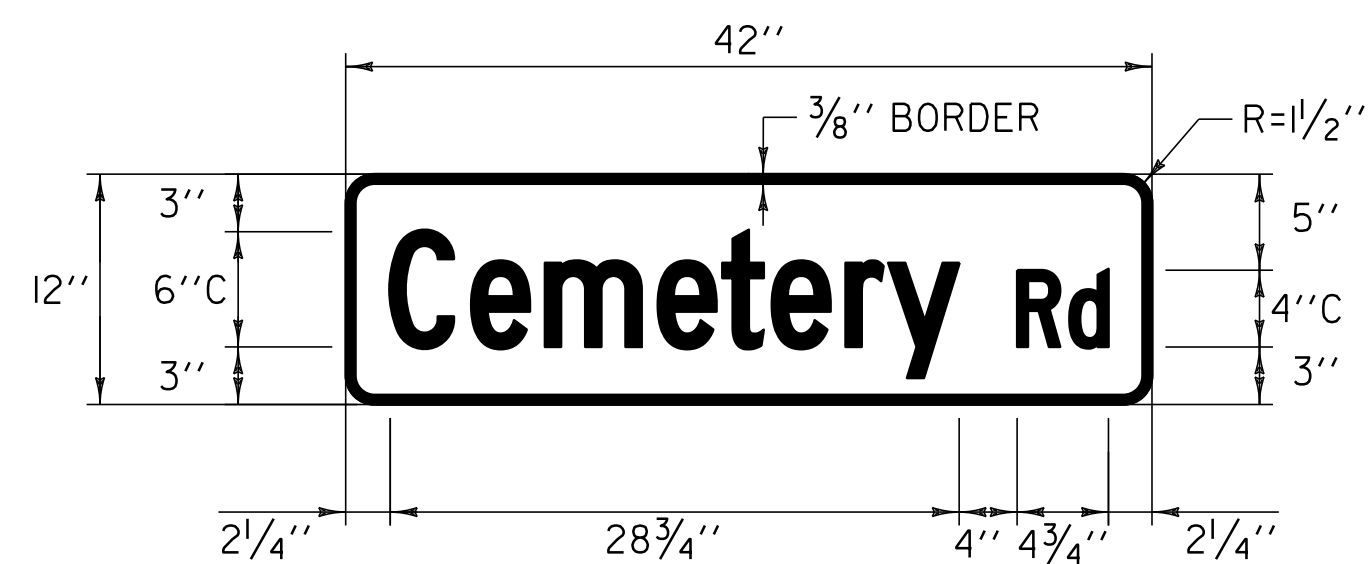
TOTALS	SF	SF	EA.	SF		LF	LF	EA.	LB	EA.	EA.	LB
	14.84	20.84	1			70	63.25					

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: CASTLETON
PROJECT NUMBER: STP 2908(1)

FILE NAME: p10c210.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p10c210+ss4.i

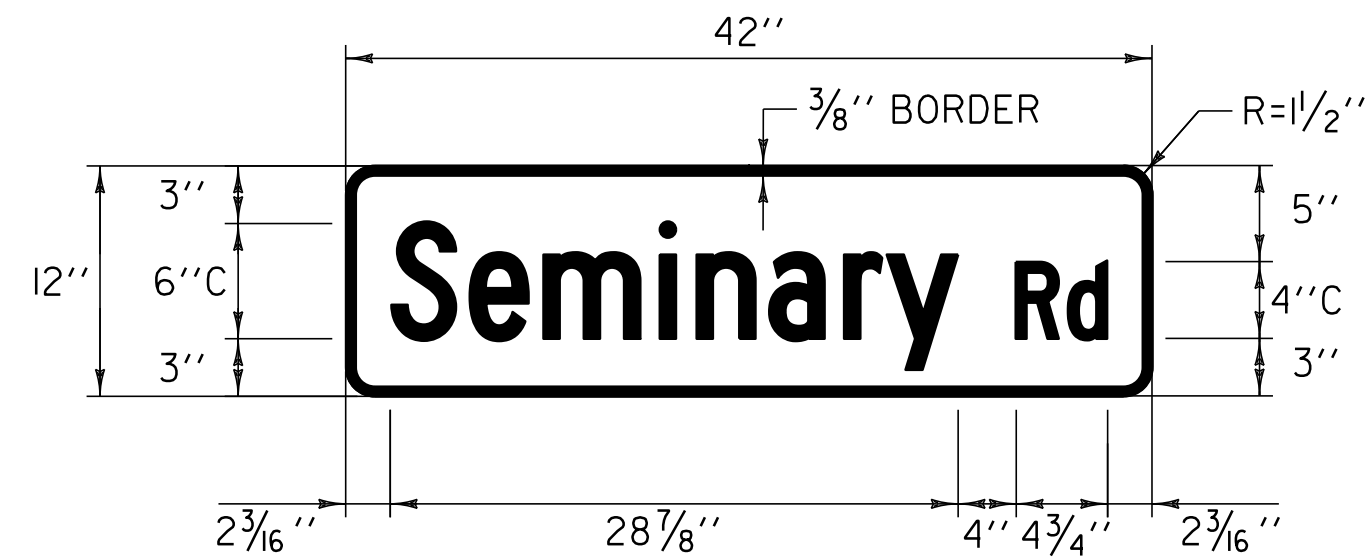
PLOT DATE: 04-JUN-2013 09:2
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET III OF 152



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

MATERIAL: PER VAOT STANDARD E-123

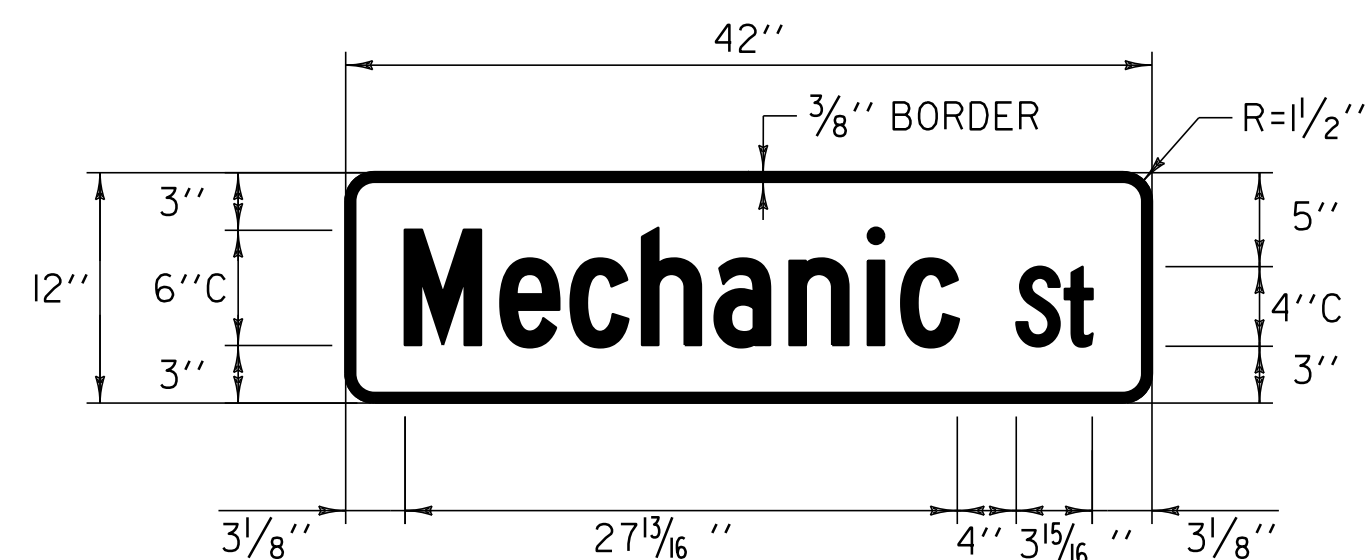
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 159+36.0, LT



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

MATERIAL: PER VAOT STANDARD E-123

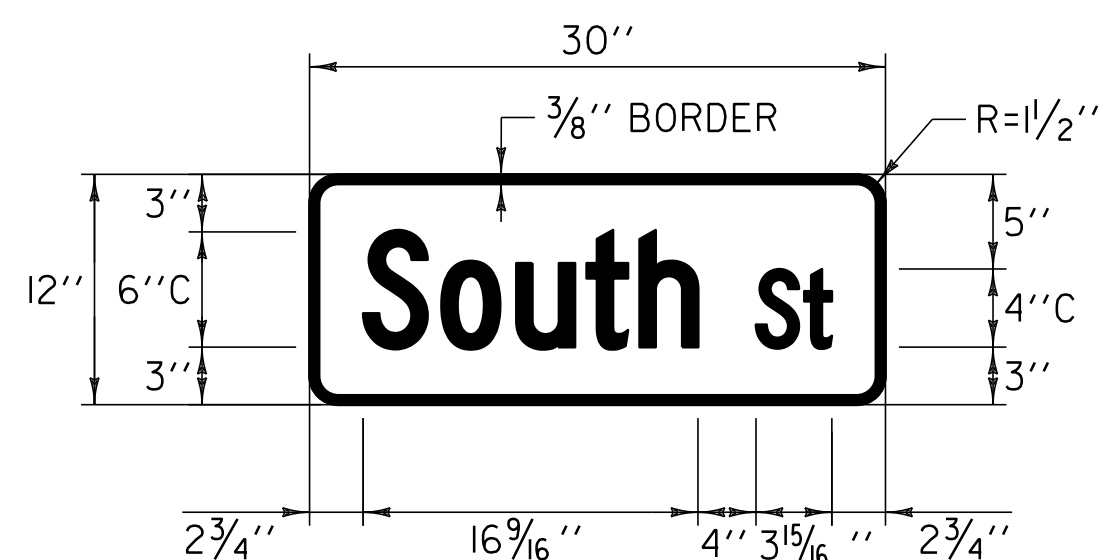
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 176+55.0, RT



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

MATERIAL: PER VAOT STANDARD E-123

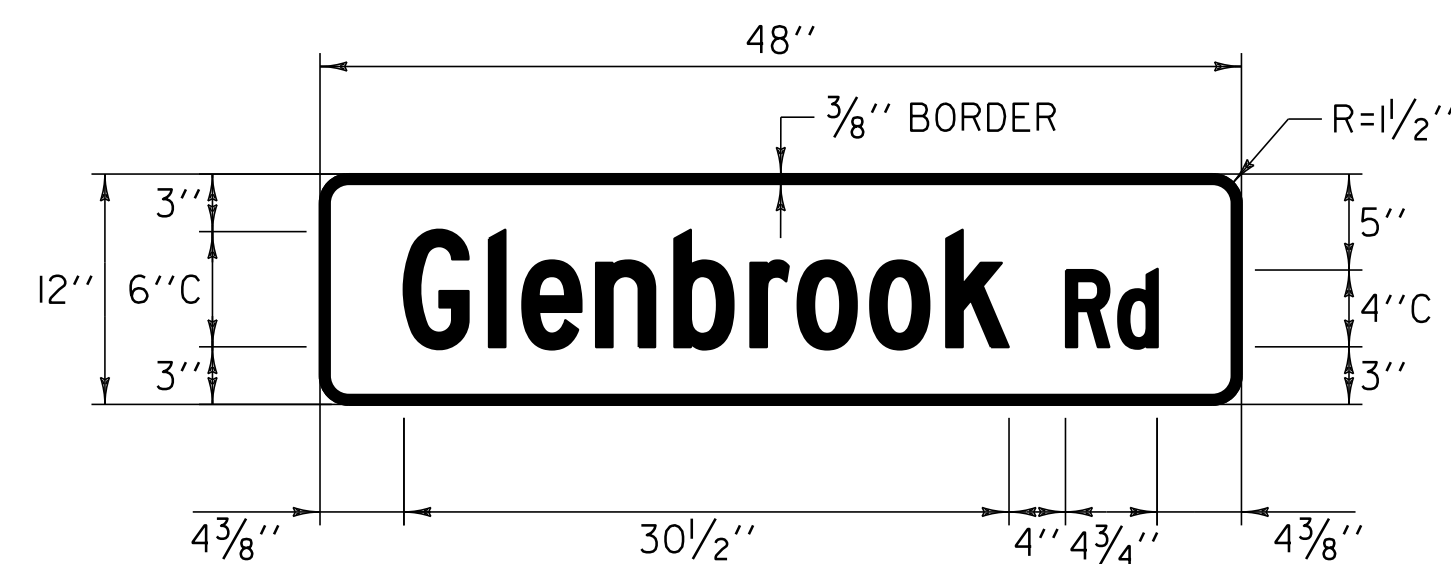
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 179+39.0, LT



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

MATERIAL: PER VAOT STANDARD E-123

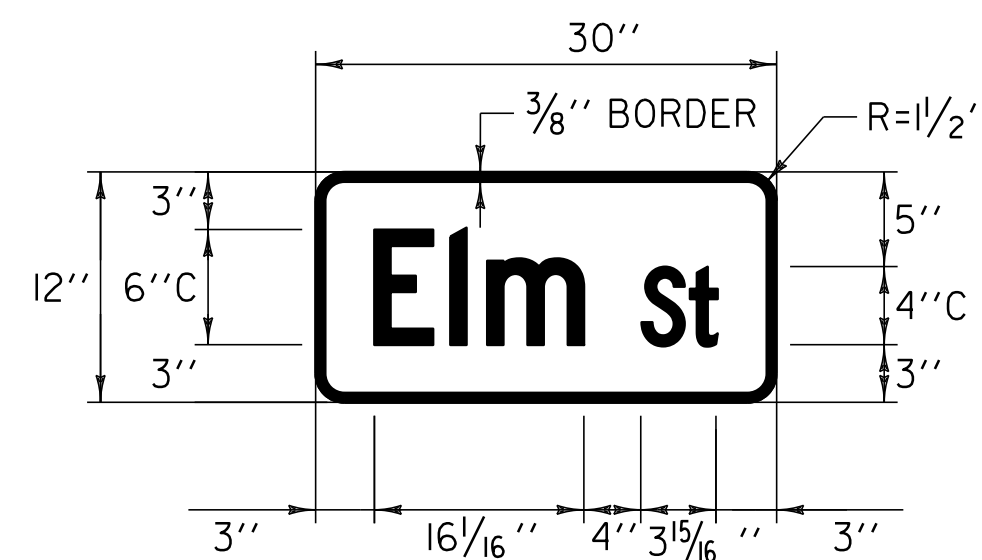
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 171+73.0, RT



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

MATERIAL: PER VAOT STANDARD E-123

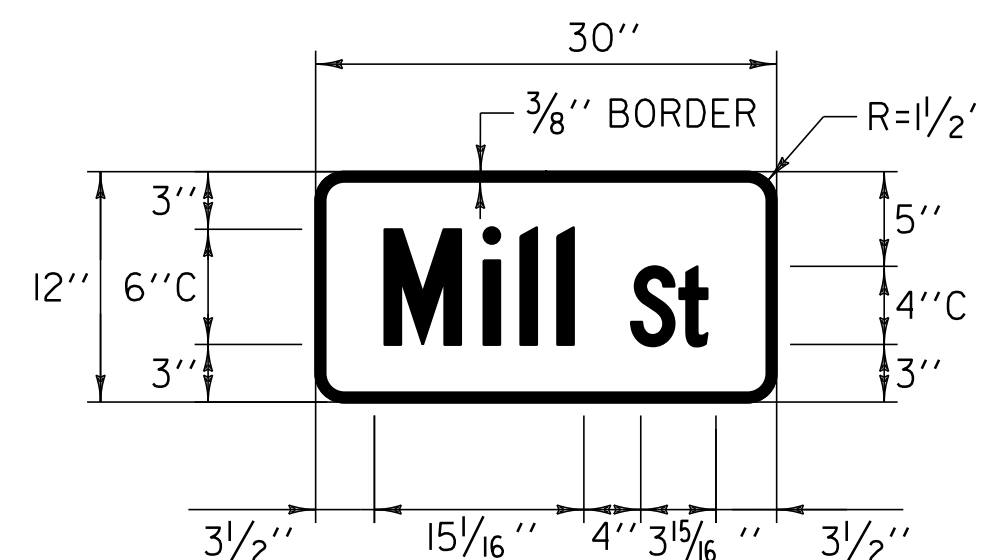
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 165+45.0, RT
STA 165+45.0, RT



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

MATERIAL: PER VAOT STANDARD E-123

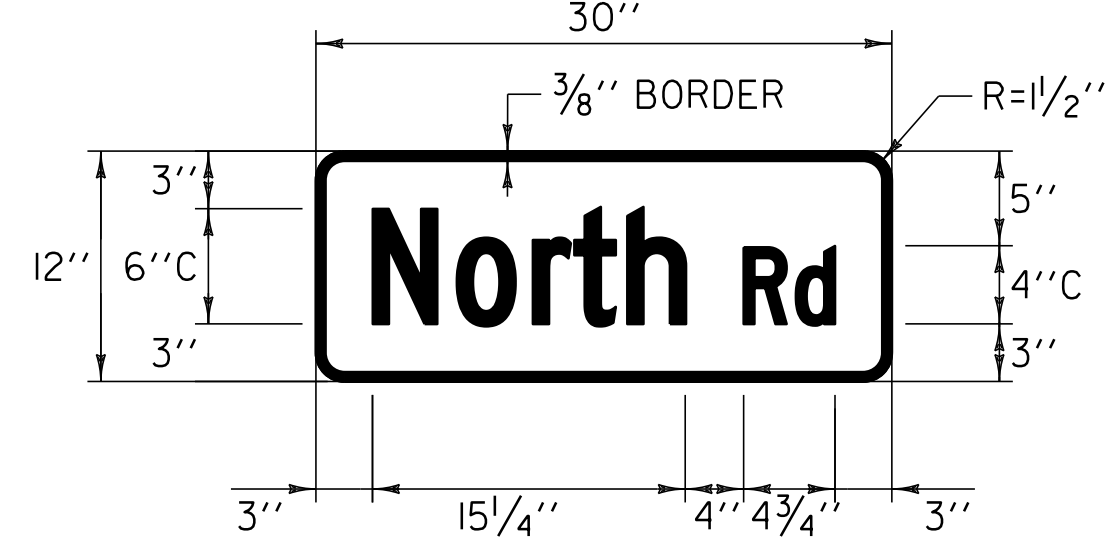
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 179+04.0, RT



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

MATERIAL: PER VAOT STANDARD E-123

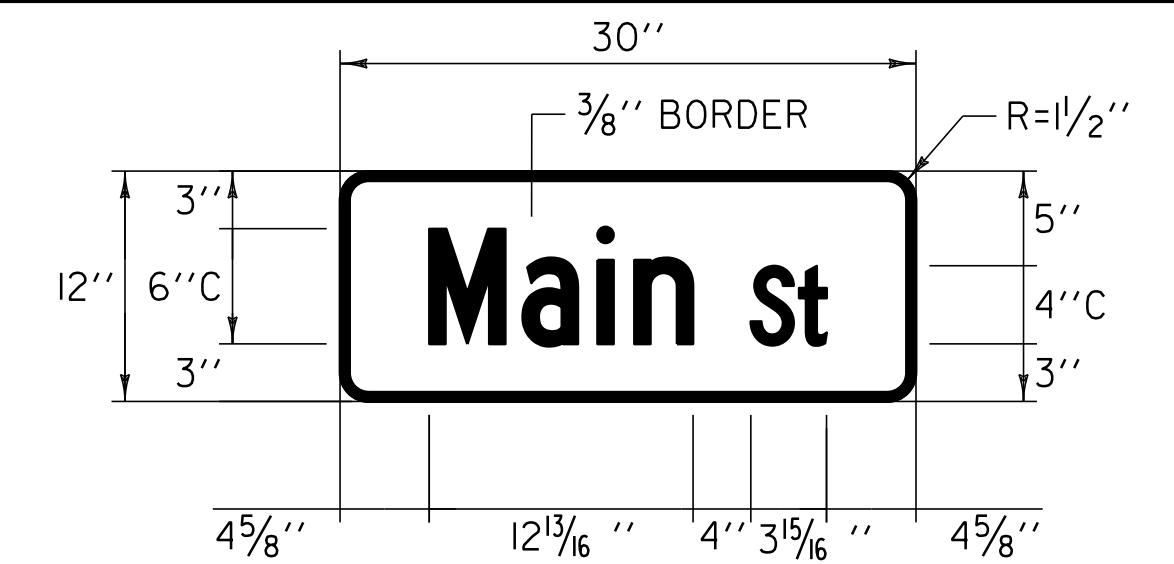
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 190+54.0, LT



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

MATERIAL: PER VAOT STANDARD E-123

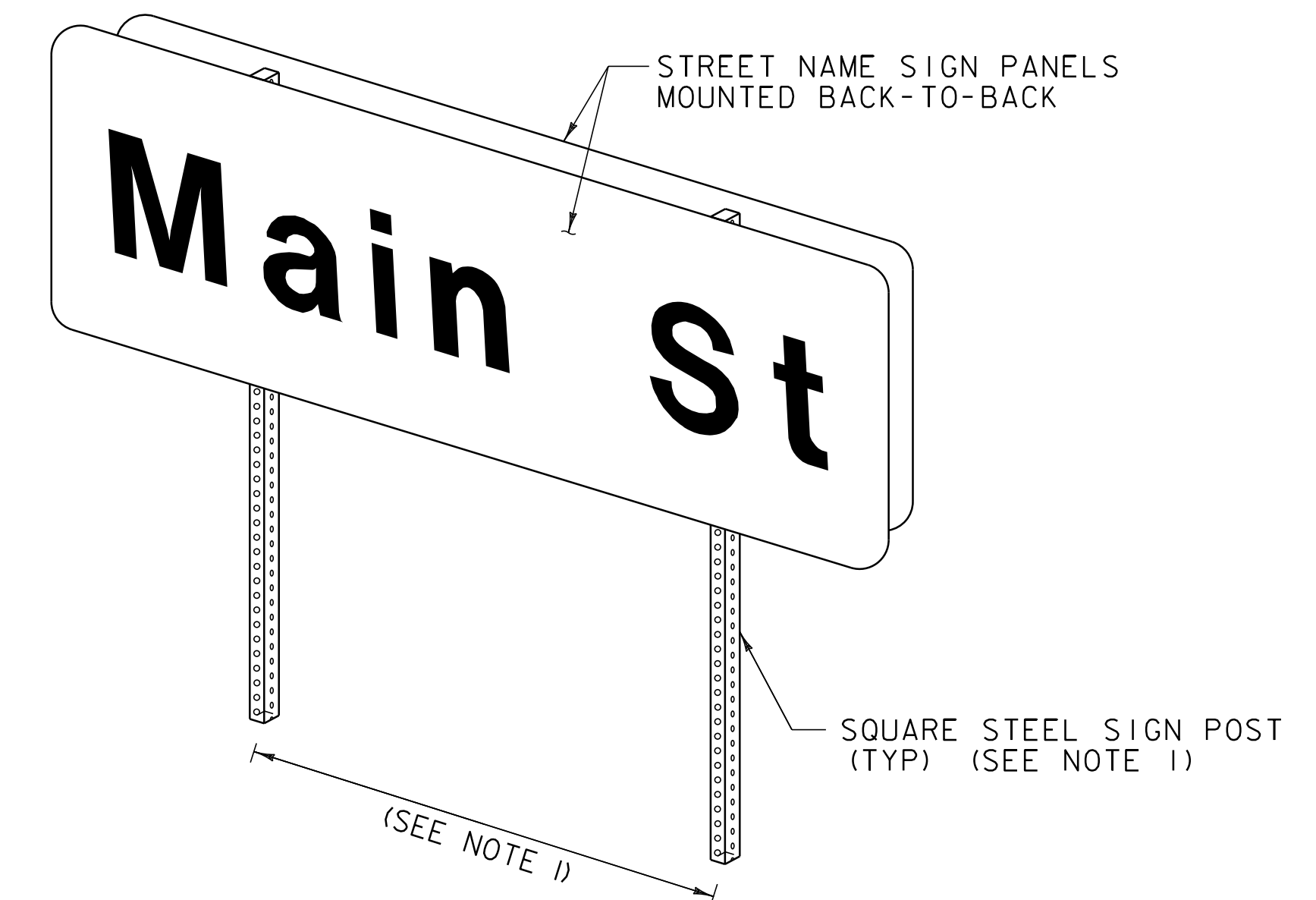
LOCATION: VT. ROUTE 4A
CASTLETON:
STA 171+65.0, LT



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

MATERIAL: PER VAOT STANDARD E-123

LOCATION: VT. ROUTE 4A
CASTLETON:
STA 159+36.0, LT
STA 165+45.0, RT
STA 171+65.0, LT
STA 171+73.0, RT
STA 176+55.0, RT
STA 179+04.0, RT
STA 179+39.0, LT
STA 190+54.0, LT



**TWO POST STREET NAME SIGN INSTALLATION
FOR STREET NAME > 42"**

NOTE:

1. SEE VAOT STANDARD E-164 FOR SQUARE STEEL SIGN
POST DETAILS & POST SPACING REQUIREMENTS.

NOT TO SCALE

**TRAFFIC
SIGN
DETAILS
SHEET**

PROJECT NAME: CASTLETON

PROJECT NUMBER: STP 2908(1)

FILE NAME: p10c210.dgn

PROJECT LEADER: D.E.G.

DESIGNED BY: M.J.M.

IPARM FILE: p10c210+sd.1

PLOT DATE: 04-JUN-2013 09:2

DRAWN BY: W.G.P.

CHECKED BY: D.E.G.

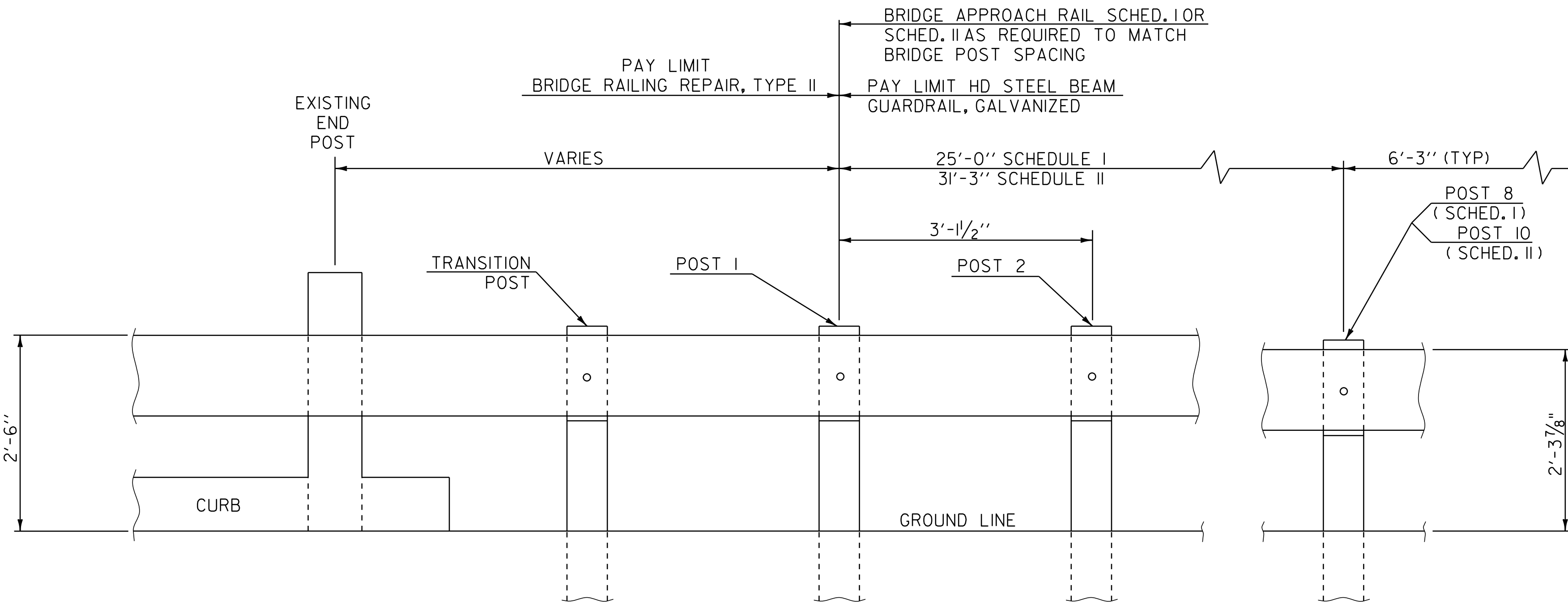
SHEET 116 OF 152

BRIDGE QUANTITY SHEET

STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10	525.50	REMARKS
				REMOVAL OF EXISTING RAIL	BRIDGE RAILING REPAIR, TYPE I	
			IN	LF	LF	
CASTLETON						
159+07.5 - 159+32.5	RT	5	8	25.0	25.0	
159+07.5 - 159+32.5	LT	5	8	25.0	25.0	
ROUNDING				-	-	
TOTAL				50.0	50.0	

GENERAL NOTES

- BRIDGE RAIL SHALL BE HD STEEL BEAM RAIL.
- BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
- APPROACH RAILING SHALL BE HD STEEL BEAM FOR 25' FROM THE ENDS OF THE BRIDGE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER.
- FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICABLE TO THE MIDPOINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
- SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
- SEE VAOT STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
- ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
- ALL BRIDGE POSTS, HD STEEL BEAM BRIDGE RAIL, AND RELATED HARDWARE SHALL BE PAID FOR UNDER THE APPROPRIATE BRIDGE RAILING ITEMS AS DENOTED IN THE PLANS.
- SEE STANDARD SHEET G-1 FOR CONNECTION OF STEEL BEAM TO OFFSET BLOCK AND OFFSET BLOCK TO BRIDGE POST.
- NEW BRIDGE RAILING POSTS SHALL BE SET NORMAL TO GRADE.
- ALL WELDING SHALL CONFORM TO THE PROVISIONS OF SUBSECTION 506.10 OF THE STANDARD SPECIFICATIONS.
- THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON LIMITED FIELD INVESTIGATION AND AVAILABLE RECORD DRAWING INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO THE CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL LANES SHALL BE OPENED TO TRAFFIC DURING NON-WORKING HOURS. NO GAPS BETWEEN EXISTING RAILING AND NEW RAILING WILL BE PERMITTED. DETAILS FOR TEMPORARY RAIL SHALL BE SUBMITTED FOR APPROVAL IF REQUIRED TO BRIDGE GAPS IN RAILING. PAYMENT FOR TEMPORARY RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 525.10 REMOVAL OF EXISTING RAILING.
- ALL OFFSET BLOCKS AND FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH SUBSECTION 732.04, UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION TO CONFORM TO AASHTO M11M/M11L.



SCHEDULE I		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1/2"	1.4 x 12'-6"
2	3'-1/2"	
3	3'-1/2"	
4	3'-1/2"	
5	3'-1/2"	
6	4'-2"	1.2 x 12'-6"
7	4'-2"	
8	4'-2"	
9	6'-3" (TYP.)	1.0 (TYP)
PAYMENT LENGTH = 32'-6"		

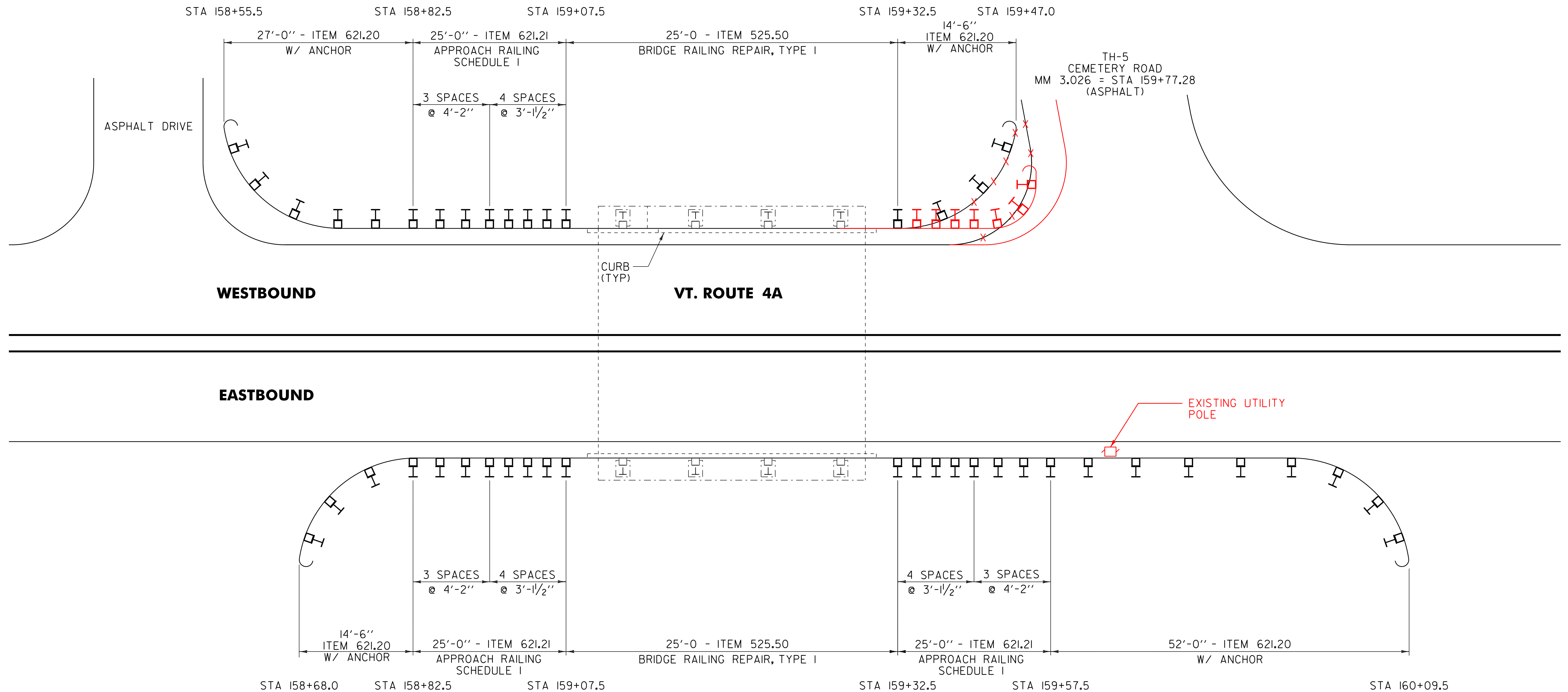
SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	3'-1/2"	1.4 x 18'-9"
2	3'-1/2"	
3	3'-1/2"	
4	3'-1/2"	
5	3'-1/2"	
6	3'-1/2"	1.2 x 12'-6"
7	3'-1/2"	
8	4'-2"	
9	4'-2"	1.0 (TYP)
10	4'-2"	
11	6'-3" (TYP)	
PAYMENT LENGTH = 41'-3"		

SCHEDULE I APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT POST NO. 1.
 SCHEDULE II APPROACH RAILING SHALL BE USED WHEN A RAIL PANEL SPLICE OCCURS AT THE BRIDGE END POST.

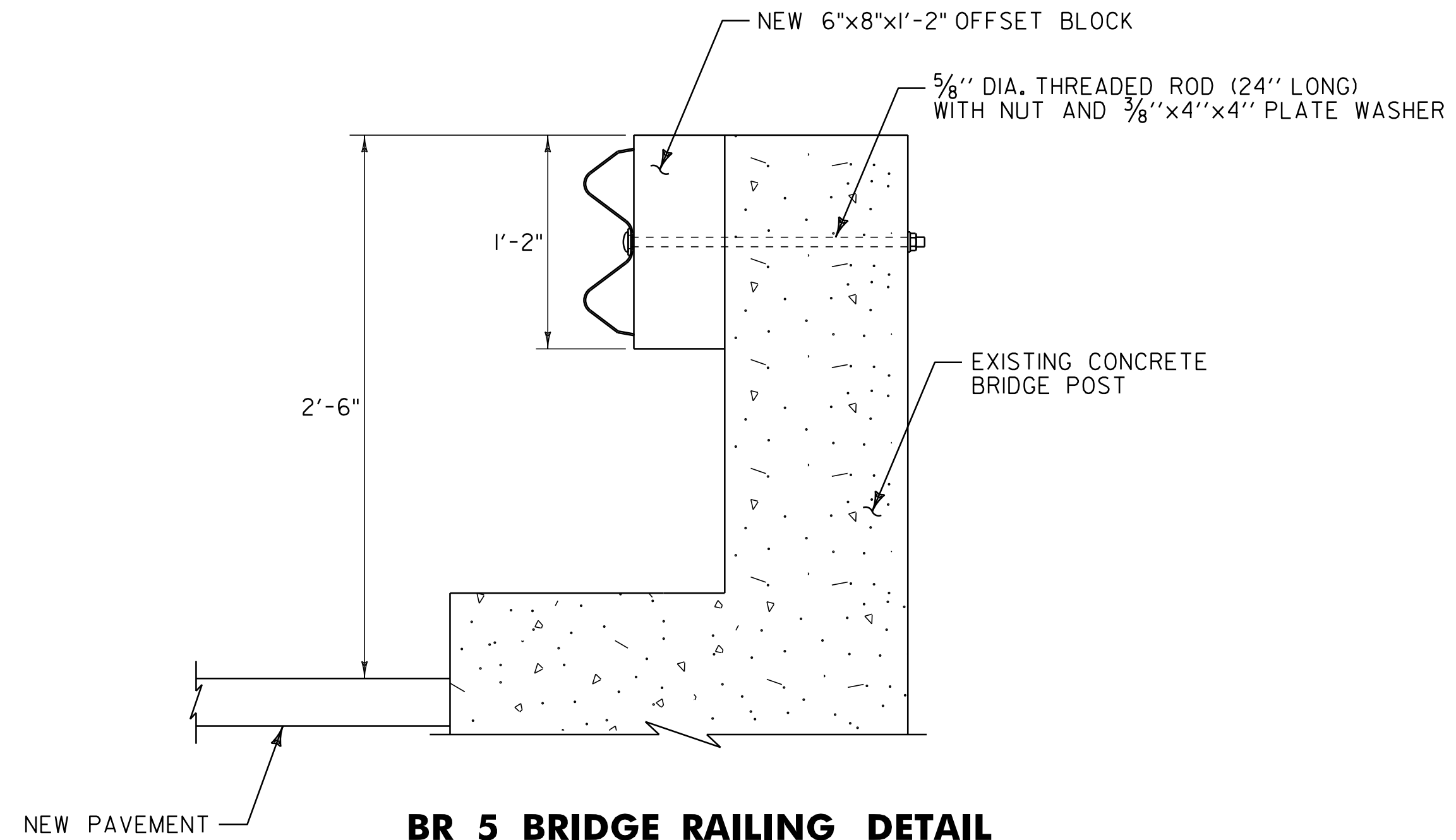
BRIDGE APPROACH RAILING

NOT TO SCALE

BRIDGE DETAIL SHEET #1	PROJECT NAME: CASTLETON	
	PROJECT NUMBER: STP 2908(1)	
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p10c210bdl.i	SHEET 117 OF 152

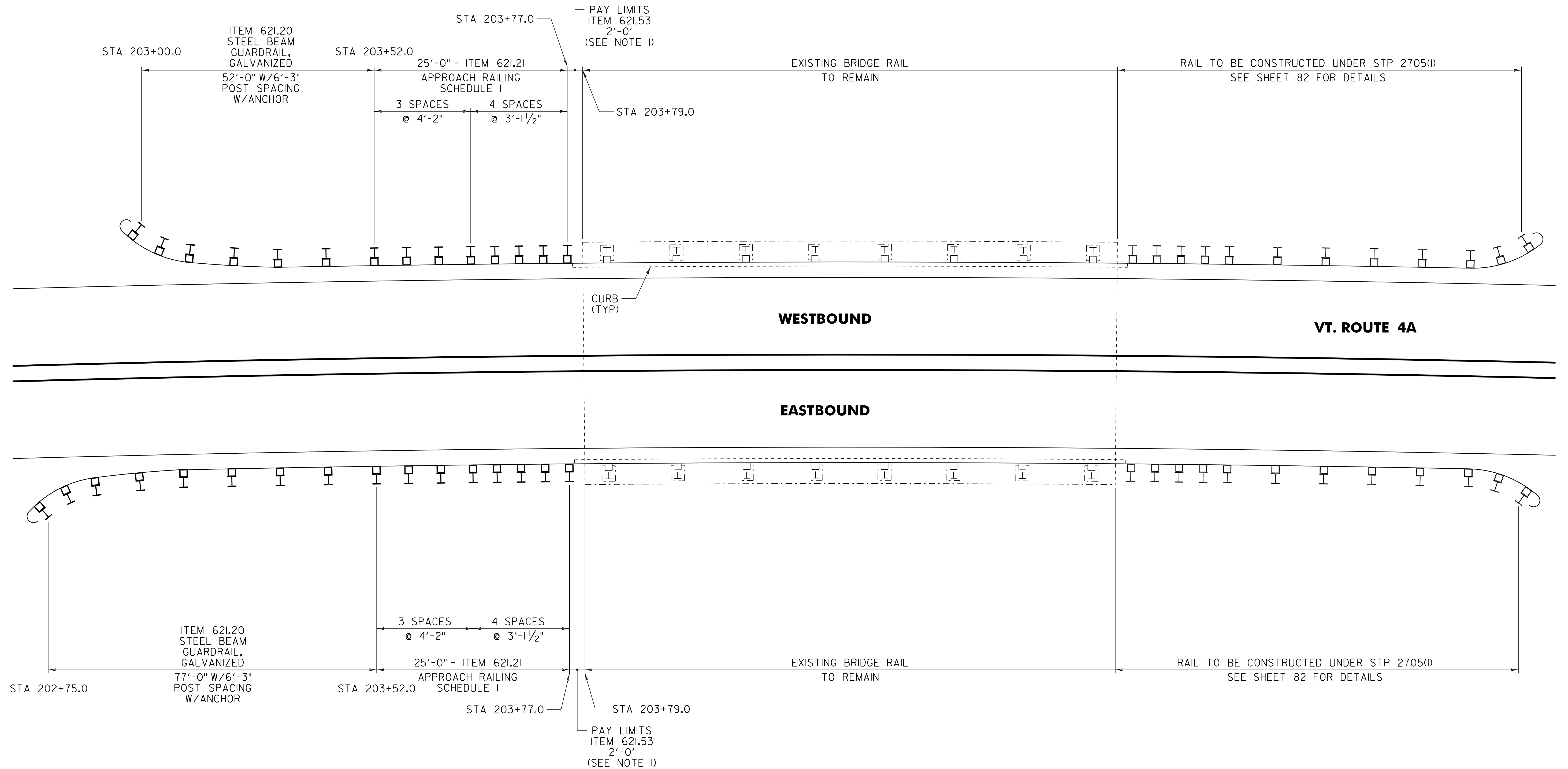


BR 5 CASTLETON MM 3.015 = STA 159+19.20



- NOTE:
1. SEE VAOT STANDARD SHEET SB-R6-82 FOR ADDITIONAL DETAILS.
 2. THREADED ROD AND HEAVY HEX NUT SHALL CONFORM TO SUBSECTION 714.07.
 3. PLATE WASHERS SHALL BE FABRICATED FROM MATERIAL CONFORMING TO SUBSECTION 714.02.
 4. ALL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH SUBSECTION 506.15.

BRIDGE DETAIL SHEET #2	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2908(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c210.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c210bd2.i	CHECKED BY: D.E.G. SHEET 118 OF 152



BR 7 CASTLETON MM 3.866 = STA 204+12.48

NOTE:

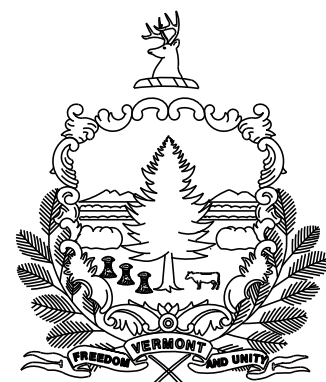
1. SEE VAOT STANDARD SHEET G-16 FOR
 TERMINAL CONNECTOR FOR STEEL BEAM
 GUARDRAIL INSTALLATION DETAILS.

NOT TO SCALE

BRIDGE DETAIL SHEET #3	PROJECT NAME: CASTLETON	
	PROJECT NUMBER: STP 2908(I)	
	FILE NAME: p10c210.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p07cl68bd3.i	SHEET 119 OF 152

INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT AGENCY OF TRANSPORTATION

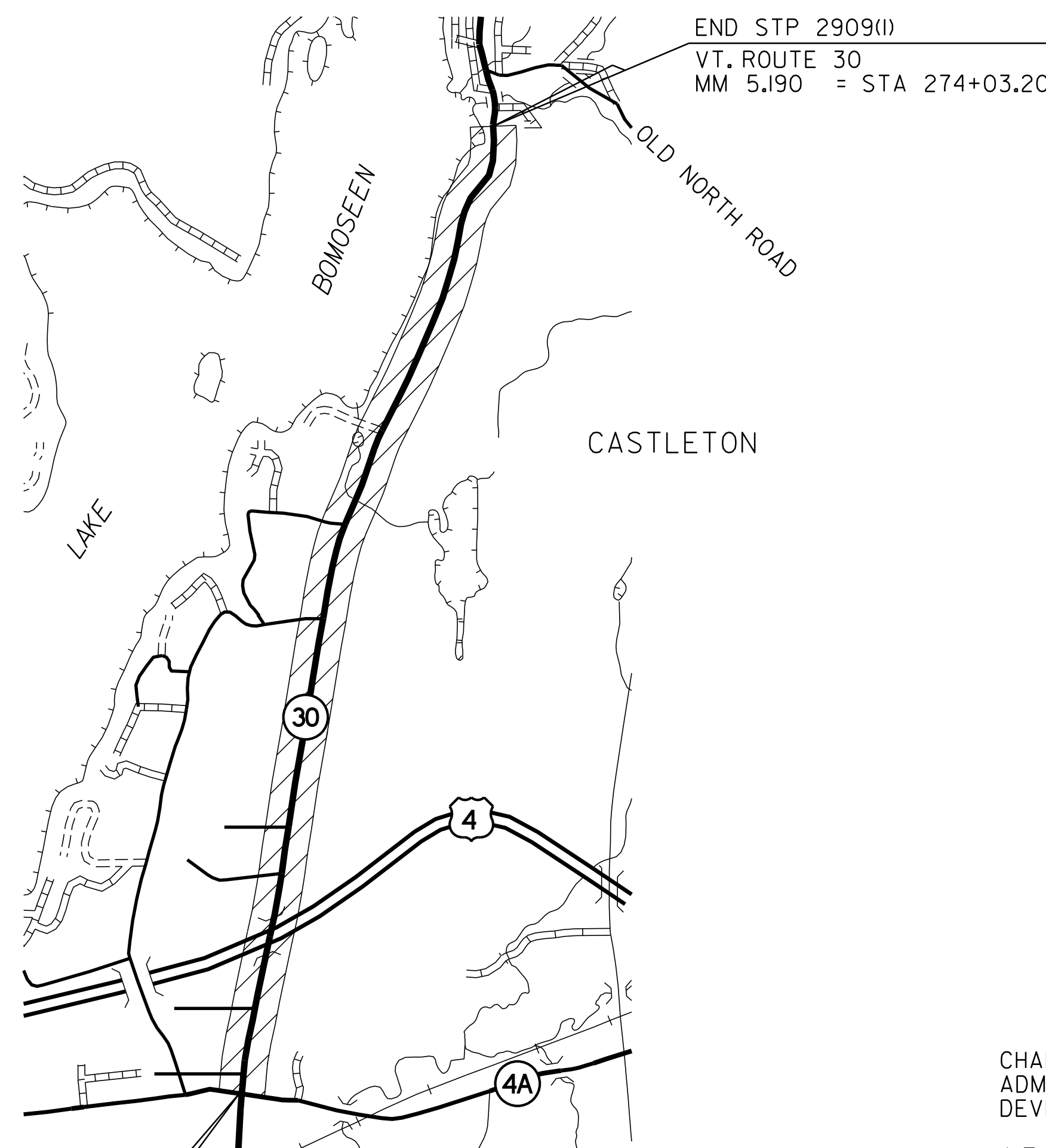
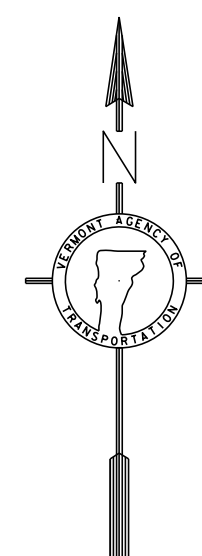
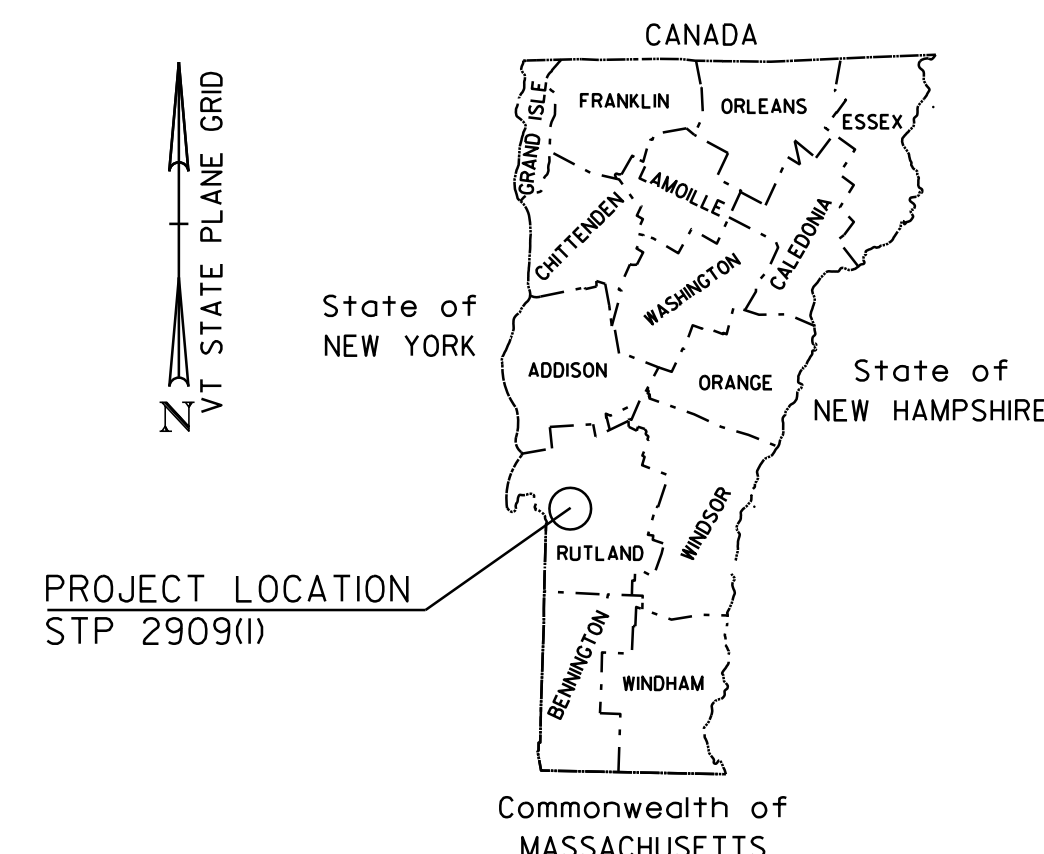


PROPOSED IMPROVEMENT TOWN OF CASTLETON COUNTY OF RUTLAND VT. ROUTE 30 MAJOR COLLECTOR

BEGINNING IN THE TOWN OF CASTLETON ON VT. ROUTE 30 AT MILE MARKER 1.530 = STA 80+78.40
AND EXTENDING NORTHERLY FOR A DISTANCE OF 19,324.80 FEET (3.660 MILES) TO A POINT IN
THE TOWN OF CASTLETON ON VT. ROUTE 30 AT MILE MARKER 5.190 = STA 274+03.20.

LENGTH OF ROADWAY 19,324.80 FT (3.660 MILES)
LENGTH OF PROJECT 19,324.80 FT (3.660 MILES)

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



BITUMINOUS CONCRETE SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	58-28
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS & SPECIAL PROVISIONS

LOCATION	TRAFFIC DATA					
	AADT		DHV		ESALs	ESALs
	2012	2022	2012	2022	2012~2022	2012~2032
BEGIN PROJECT TO US 4 EASTBOUND RAMP	6500	6700	730	760	1,020,000	2,524,000
US 4 EASTBOUND RAMP TO US 4 WESTBOUND RAMP	5100	5300	580	600	800,000	1,999,000
US 4 WESTBOUND RAMP TO END PROJECT	3200	3400	360	380	614,000	1,394,000

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

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

SURVEYED BY : NA
SURVEYED DATE : NA

DATUM
VERTICAL NA
HORIZONTAL NA

BEGIN STP 2909(I)
VT. ROUTE 30
MM 1.530 = STA 80+78.40

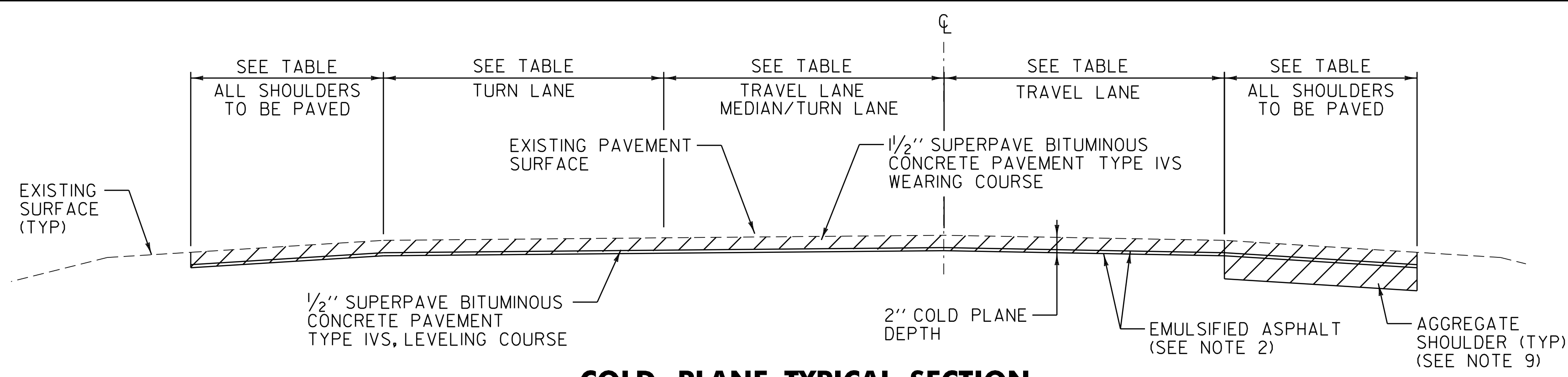
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

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.

PROJECT MANAGER : MIKE FOWLER

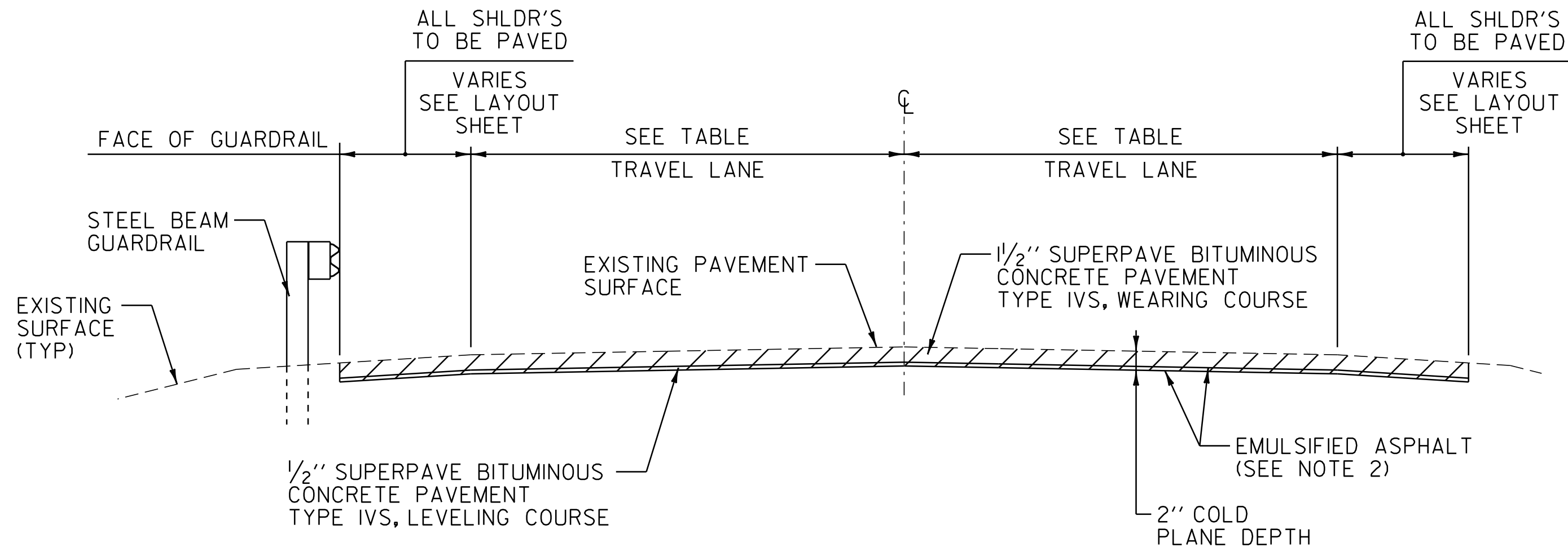
PROJECT NAME : CASTLETON
PROJECT NUMBER : STP 2909 (I)

SHEET 120 OF 152 SHEETS



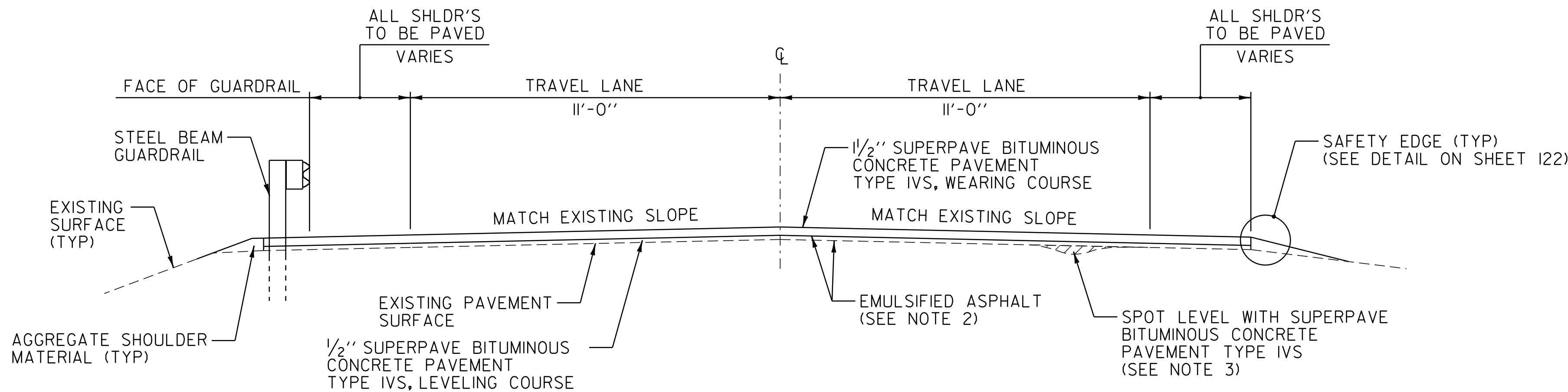
COLD PLANE TYPICAL SECTION

VT. ROUTE 30 CASTLETON STA 80+78.40 TO CASTLETON STA 83+20.00
 VT. ROUTE 30 CASTLETON STA 100+50.00 TO CASTLETON STA 120+50.00



COLD PLANE TYPICAL SECTION

VT. ROUTE 30 CASTLETON STA 83+20.00 TO CASTLETON STA 100+50.00
 VT. ROUTE 30 CASTLETON STA 120+50.00 TO CASTLETON STA 125+66.40



OVERLAY TYPICAL SECTION

VT. ROUTE 30 CASTLETON STA 125+66.40 TO CASTLETON STA 274+03.20

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	WARM-MIX TECHNOLOGIES	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
CASTLETON:							
VT. ROUTE 30	80+78.40	83+20.00	ORGANIC WAX	3'-0" - 10'-0" - 12'-0" - 12'-0" - 7'-0"	1 1/2"	30	COLD PLANE 2", LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 30	83+20.00	95+50.00	ORGANIC WAX	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	112	COLD PLANE 2", LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 30	95+50.00	100+50.00	ORGANIC WAX	4'-0" - 11'-0" - 11'-0" - 4'-0"	1 1/2"	57	COLD PLANE 2", LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 30	100+50.00	120+50.00	ORGANIC WAX	VARIABLES SEE PLAN	1 1/2"	350	COLD PLANE 2", LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 30	120+50.00	125+66.40	ORGANIC WAX	9'-0" - 12'-0" - 12'-0" - 9'-0"	1 1/2"	59	COLD PLANE 2", LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 30	125+66.40	273+50.00	ORGANIC WAX	3'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	1341	LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS
VT. ROUTE 30	273+50.00	274+03.20	ORGANIC WAX	4'-0" - 11'-0" - 11'-0" - 4'-0"	1 1/2"	5	LEVEL WITH 1/2" TYPE IVS & PAVE WITH 1/2" TYPE IVS

NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
2. THE COLD PLANED SURFACE SHALL HAVE A SURFACE PREP BEFORE THE LEVELING COURSE IS PLACED. SURFACE PREP SHALL CONSIST OF POTHOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH AND PAID FOR UNDER ITEM 900.680 SPECIAL PROVISIONS (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE II). COLD PLANED SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. OF CRSI-H OR RSI-H. TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF CRSI-H OR RSI-H.
3. AN EXTRA QUANTITY OF ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT HAS BEEN ADDED TO THE HOT MIX TOTAL FOR SPOT LEVELING BEFORE FULL WIDTH LEVELING IN AN EFFORT TO CORRECT THE WORST PROFILE DEFICIENCIES AS DIRECTED BY THE RESIDENT ENGINEER.
4. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
5. COLD PLANING SHALL BE COMPLETED AS NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
6. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.
7. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6' POSTS, ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED. IF THIS CANNOT BE OBTAINED, THEN ITEM 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/ 8 FEET POSTS SHALL BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
8. 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.
9. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1 OR ITEM 608.15 POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.40 SUBBASE, RAP. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
10. THE WEARING COURSE OF ALL OF CONTRACT ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT, SHALL UTILIZE THE REQUIREMENTS OF ITEM 900.645, SPECIAL PROVISION (INTELLIGENT COMPACTION EQUIPMENT) AS CONTAINED WITHIN THE CONTRACT DOCUMENTS. ALL OTHER CONTRACT PROVISIONS ASSOCIATED WITH ITEM 490.30 SHALL APPLY IN CONJUNCTION WITH THE REQUIREMENTS OF ITEM 900.645.

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			

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

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

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

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

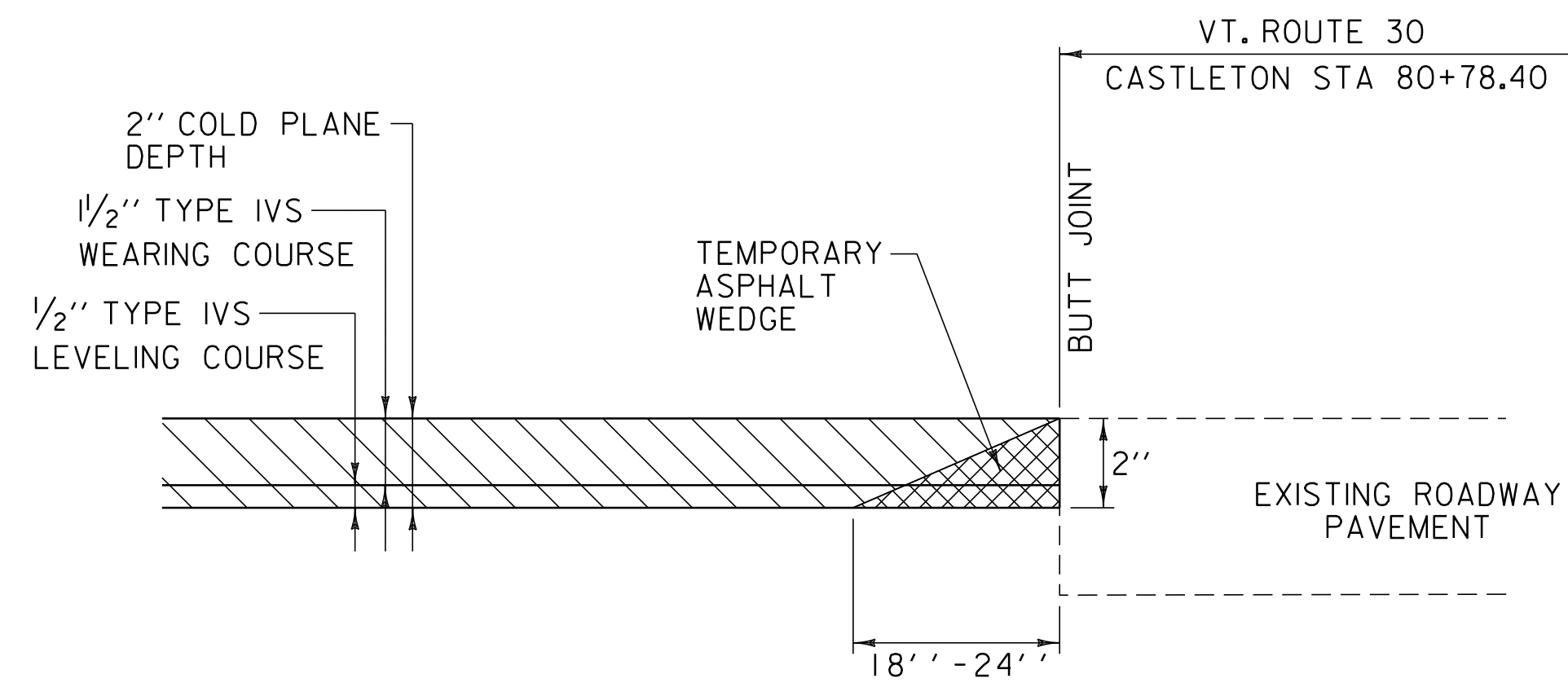
TOPSOIL:
 TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

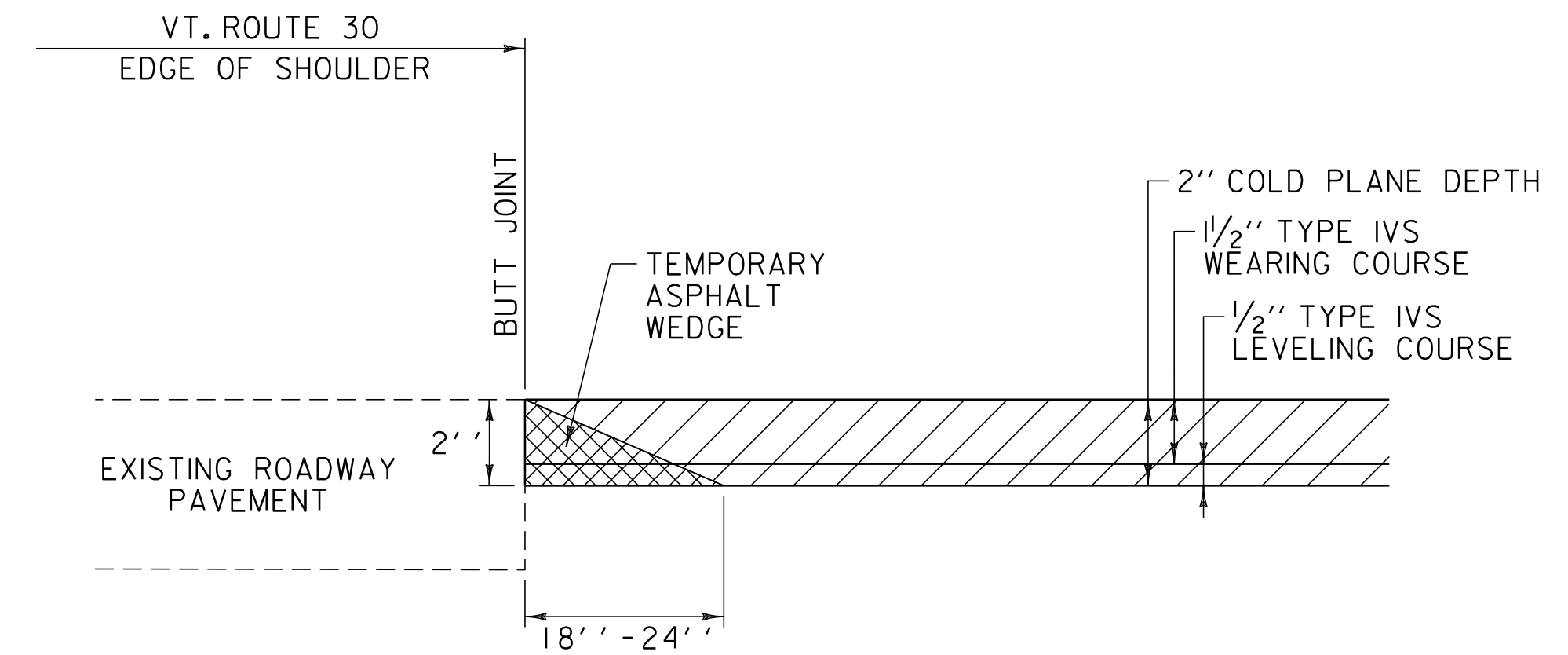
PROJECT TYPICAL SHEET

PROJECT NAME: CASTLETON	
PROJECT NUMBER: STP 2909(1)	
FILE NAME: p10c212.dgn	PLOT DATE: 04-JUN-2013 09:2
PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
IPARM FILE: p10c212+typ.i	SHEET 121 OF 152



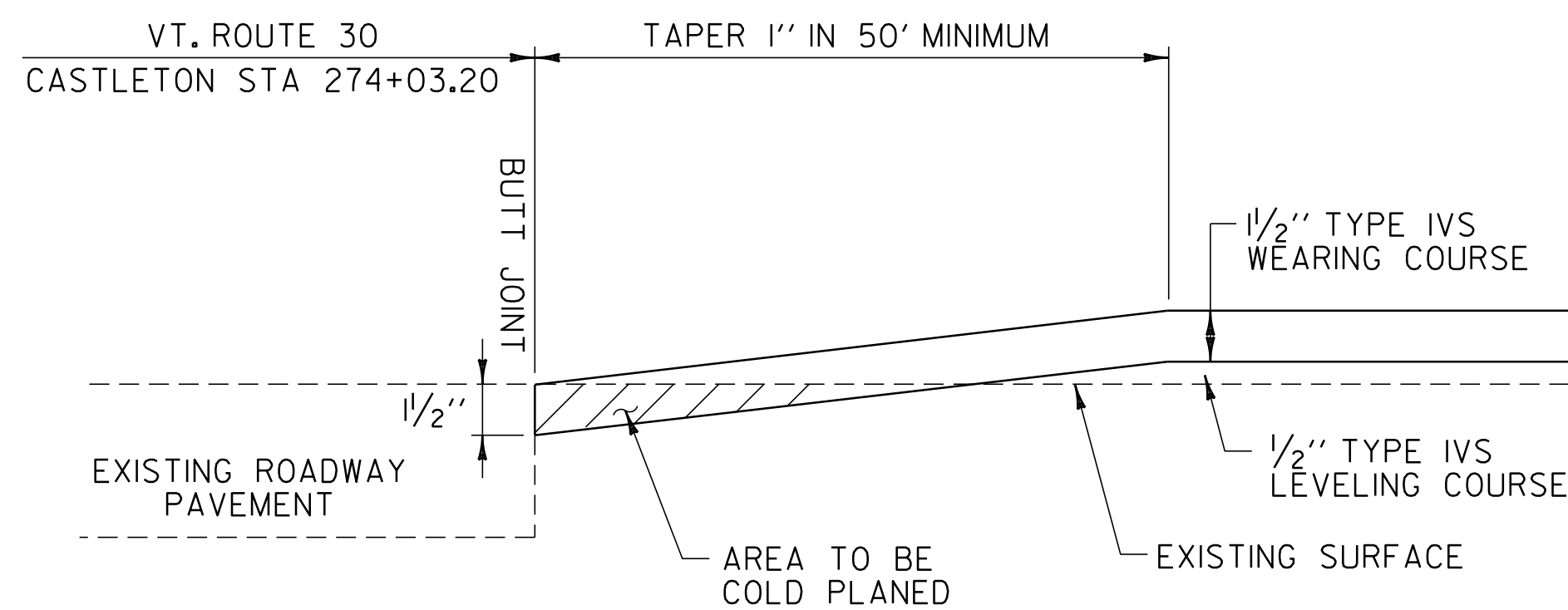
COLD PLANE APPROACH AREA DETAIL

VT. ROUTE 30 CASTLETON STA 80+78.40 - BEGIN PROJECT



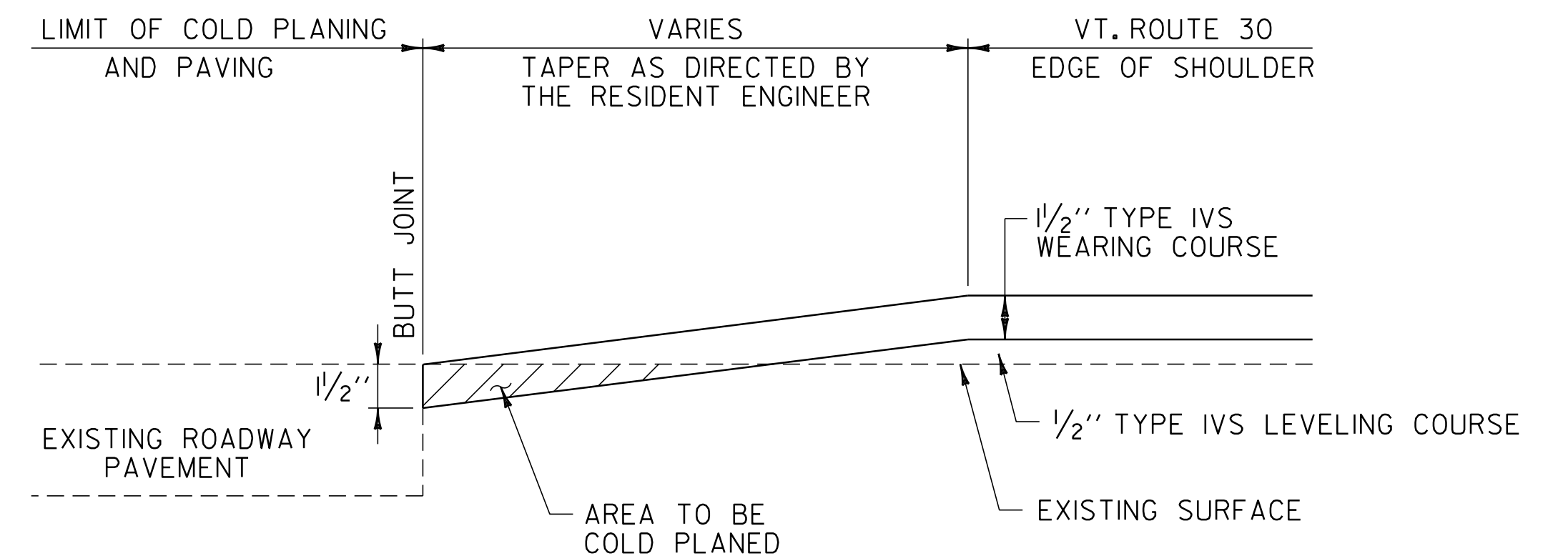
COLD PLANE SIDE ROAD DETAIL

CASTLETON:	TH-71	STA 88+07.04	LT
	RAMP P	STA 104+12.16	RT
	RAMP N	STA 105+23.04	LT
	RAMP Q	STA 115+26.24	RT
	RAMP R	STA 116+21.28	LT
	TH-68	STA 122+65.44	LT



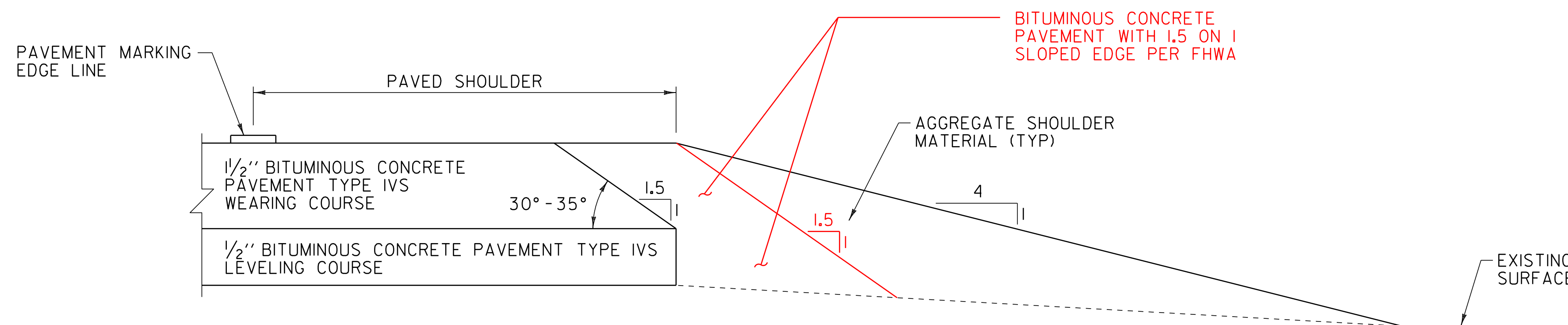
OVERLAY APPROACH AREA DETAIL

VT. ROUTE 30 CASTLETON STA 274+03.20 - END PROJECT



OVERLAY SIDE ROAD DETAIL

CASTLETON: TH-24 STA 173+23.68 LT



SAFETY EDGE DETAIL

VT. ROUTE 30 CASTLETON STA 125+66.40 TO CASTLETON STA 274+03.20

NOT TO SCALE

**PAVING
DETAILS
SHEET**

PROJECT NAME: CASTLETON
PROJECT NUMBER: STP 2909(1)

FILE NAME: p10c212.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p10c212pd.i

PLOT DATE: 04-JUN-2013 09:2
DRAWN BY: W.G.P.
CHECKED BY: D.E.G.
SHEET 122 OF 152

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 30:			
80+86	LT	7	ASPHALT DRIVE
81+01	RT	16	ASPHALT DRIVE
81+71	LT	15	ASPHALT DRIVE
81+99	RT	40	ASPHALT DRIVE
82+94	LT	10	ASPHALT DRIVE
83+22	RT	24	ASPHALT DRIVE
84+07	LT	65	GRAVEL DRIVE
84+18	RT	20	ASPHALT DRIVE
84+61	LT	19	ASPHALT DRIVE
85+72	LT	17	ASPHALT DRIVE
86+20	LT	8	ASPHALT DRIVE
87+37	RT	11	GRAVEL DRIVE
89+06	RT	15	GRAVEL DRIVE
89+53	LT	21	ASPHALT DRIVE
90+44	RT	20	GRAVEL DRIVE
91+53	RT	10	GRAVEL DRIVE
92+20	LT	4	GRAVEL DRIVE
92+48	RT	15	GRAVEL DRIVE
92+49	LT	6	GRAVEL DRIVE
93+08	RT	14	GRAVEL DRIVE
93+30	LT	24	GRAVEL DRIVE
95+88	RT	21	DALEY LANE (GRAVEL)
97+61	LT	34	ASPHALT DRIVE
99+72	RT	12	ASPHALT DRIVE
100+87	RT	2	FIELD ACCESS
119+54	RT	9	GRAVEL DRIVE
121+01	RT	9	GRAVEL DRIVE
123+76	RT	9	GRAVEL DRIVE
125+78	RT	11	GRAVEL DRIVE
127+47	RT	12	GRAVEL DRIVE
129+19	RT	8	GRAVEL DRIVE
129+58	RT	6	GRAVEL DRIVE
133+51	RT	20	GRAVEL DRIVE
137+75	RT	10	GRAVEL DRIVE
140+89	RT	22	GRAVEL DRIVE
141+71	LT	7	GRAVEL DRIVE
143+98	RT	10	ASPHALT DRIVE
145+73	LT	4	FIELD ACCESS
147+88	RT	14	GRAVEL DRIVE
150+87	LT	12	ASPHALT DRIVE
150+91	RT	8	GRAVEL DRIVE
152+80	RT	12	GRAVEL DRIVE
153+11	RT	8	GRAVEL DRIVE
154+62	LT	6	ASPHALT DRIVE
154+65	RT	8	GRAVEL DRIVE
155+71	LT	8	SEYMOUR ROAD (GRAVEL)
156+52	LT	14	GRAVEL DRIVE
157+18	RT	7	ASPHALT DRIVE
158+37	RT	8	FIELD ACCESS
158+76	RT	17	GRAVEL DRIVE
158+94	LT	11	ASPHALT DRIVE
162+07	RT	10	GRAVEL DRIVE
162+35	LT	7	ASPHALT DRIVE
163+55	LT	12	GRAVEL DRIVE
165+34	LT	6	ASPHALT DRIVE
165+63	RT	5	GRAVEL DRIVE
166+05	RT	10	GRAVEL DRIVE
169+01	LT	8	ASPHALT DRIVE
176+56	RT	10	TWILIGHT TERRACE (GRAVEL)
178+19	LT	8	GRAVEL DRIVE
180+84	LT	8	GRAVEL DRIVE
191+03	LT	11	PINE CLIFF ROAD (GRAVEL)
194+10	LT	24	GRAVEL DRIVE
197+92	RT	11	GRAVEL DRIVE
201+83	RT	10	GRAVEL DRIVE

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 30 (CONT.):			
203+41	RT	15	GRAVEL DRIVE
205+57	LT	3	FIELD ACCESS
207+42	RT	9	GRAVEL DRIVE
208+48	RT	5	GRAVEL DRIVE
208+95	RT	5	ASPHALT DRIVE
211+04	LT	11	PROSPECT POINT ROAD (ASPHALT)
211+56	LT	18	GRAVEL DRIVE
211+93	LT	8	GRAVEL DRIVE
211+96	RT	10	GRAVEL DRIVE
213+57	RT	16	GRAVEL DRIVE
213+87	LT	17	ASPHALT DRIVE
215+14	LT	13	ASPHALT DRIVE
215+20	RT	18	ASPHALT DRIVE
215+81	RT	15	ASPHALT DRIVE
216+29	LT	15	GRAVEL DRIVE
216+52	RT	5	GRAVEL DRIVE
216+79	LT	29	GRAVEL DRIVE
217+03	RT	8	ASPHALT DRIVE
217+24	RT	10	GRAVEL DRIVE
217+58	RT	7	GRAVEL DRIVE
217+70	LT	52	ASPHALT DRIVE
218+41	LT	11	GRAVEL DRIVE
218+95	RT	11	GRAVEL DRIVE
219+36	RT	3	FIELD ACCESS
219+42	LT	9	GRAVEL DRIVE
219+98	RT	16	FIELD ACCESS
220+73	RT	33	GRAVEL DRIVE
221+75	RT	12	GRAVEL DRIVE
221+97	LT	14	ASPHALT DRIVE
223+28	LT	9	GRAVEL DRIVE
223+52	LT	7	ASPHALT DRIVE
223+90	RT	7	FIELD ACCESS
224+52	RT	3	FIELD ACCESS
224+97	LT	22	ASPHALT DRIVE
226+27	RT	2	FIELD ACCESS
226+52	RT	3	FIELD ACCESS
227+21	LT	14	ASPHALT DRIVE
227+70	RT	6	GRAVEL DRIVE
228+67	RT	2	FIELD ACCESS
229+46	RT	40	GRAVEL DRIVE
230+16	RT	22	ASPHALT DRIVE
230+99	RT	7	ASPHALT DRIVE
234+37	LT	12	GRAVEL DRIVE
234+47	RT	12	GRAVEL DRIVE
235+70	RT	1	FIELD ACCESS
235+91	LT	16	GRAVEL DRIVE
236+57	LT	17	ASPHALT DRIVE
236+66	RT	9	GRAVEL DRIVE
236+94	LT	8	GRAVEL DRIVE
238+35	RT	2	FIELD ACCESS
238+98	RT	6	FIELD ACCESS
239+38	LT	12	GRAVEL DRIVE
239+68	RT	14	GRAVEL DRIVE
240+92	LT	8	ASPHALT DRIVE
241+17	RT	6	GRAVEL DRIVE
241+34	LT	6	ASPHALT DRIVE
241+84	RT	14	GRAVEL DRIVE
242+89	LT	37	GRAVEL DRIVE
243+80	LT	28	ASPHALT DRIVE
245+19	LT	8	GRAVEL DRIVE
245+93	RT	8	GRAVEL DRIVE
246+94	RT	6	GRAVEL DRIVE
247+51	LT	20	GRAVEL DRIVE
247+67	RT	12	ASPHALT DRIVE
247+92	LT	2	FIELD ACCESS

STATION	POSITION	QUANTITY (SY)	TYPE OF HANDWORK
CASTLETON VT. ROUTE 30 (CONT.):			
248+48	LT	10	GRAVEL DRIVE
248+63	RT	2	FIELD ACCESS
249+16	RT	2	FIELD ACCESS
249+29	RT	4	GRAVEL DRIVE
250+13	RT	10	GRAVEL DRIVE
250+77	LT	8	GRAVEL DRIVE
252+25	LT	10	GRAVEL DRIVE
252+60	LT	12	GRAVEL DRIVE
252+98	RT	10	GRAVEL DRIVE
255+72	RT	11	GRAVEL DRIVE
255+85	LT	25	ASPHALT DRIVE
256+21	RT	7	GRAVEL DRIVE
256+56	LT	16	ASPHALT DRIVE
256+93	LT	9	GRAVEL DRIVE
257+72	LT	23	GRAVEL DRIVE
257+90	RT	10	GRAVEL DRIVE
258+23	RT	8	GRAVEL DRIVE
262+42	RT	10	CLIFF DWELLERS (GRAVEL)
266+00	LT	25	GRAVEL DRIVE
266+96	LT	19	GRAVEL DRIVE
267+42	LT	16	GRAVEL DRIVE
268+57	LT	29	GRAVEL DRIVE
273+91	RT	7	GRAVEL DRIVE
SUBTOTAL:		1949	
ROUNDING:		51	
TOTAL ITEM 900.675:		2000	

NOTE:
1. SEE SHEET 7 FOR DRIVEWAY HANDWORK DETAILS.

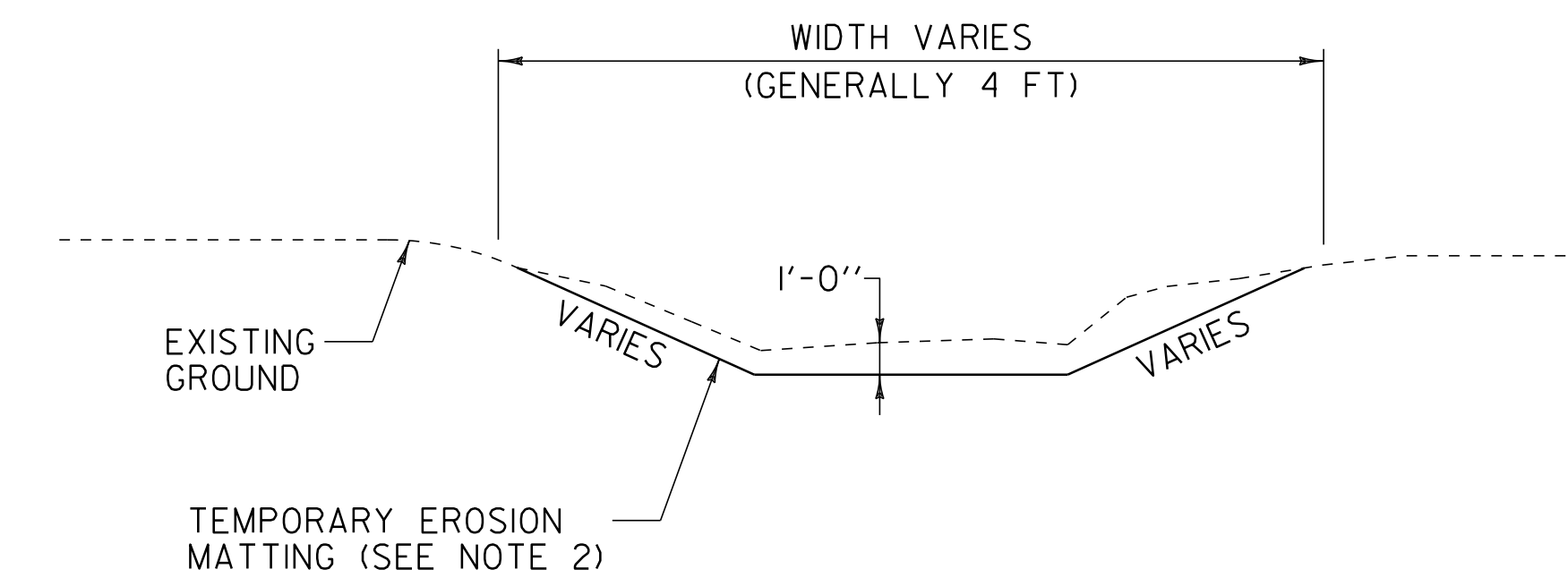
DRIVEWAY HANDWORK TABLES SHEET	PROJECT NAME: CASTLETON	
	PROJECT NUMBER: STP 2909(1)	
	FILE NAME: p10c212.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.
	IPARM FILE: p10c212dht.i	SHEET 123 OF 152

ITEM DETAIL SUMMARY SHEET

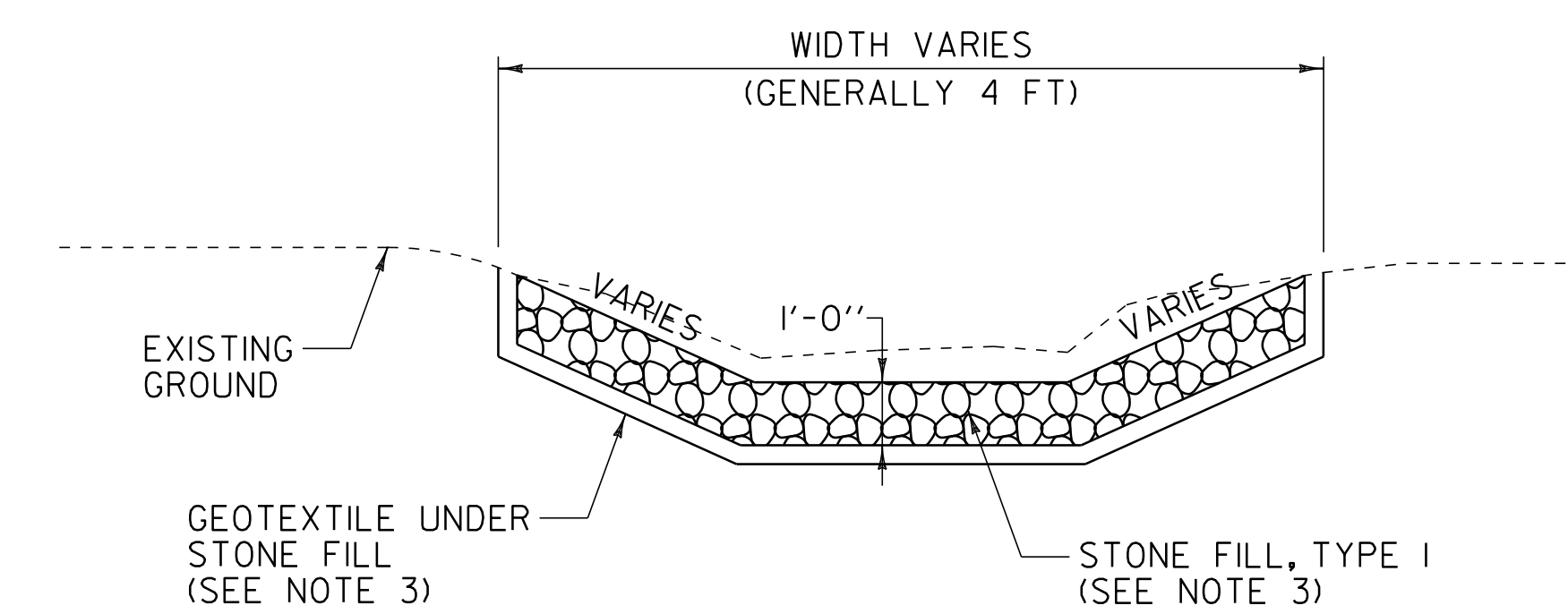
LOCATION			GUARDRAIL (GALVANIZED)				MISCELLANEOUS					REMARKS
			62L20	62L205	62L60	62L80	604.4I2	604.4I5	604.4I8	65L15	676.I0	
BEGIN STATION	END STATION	POS.	S.B. GR GAL. LF	S.B. GR GAL. W/ 8 FT POST LF	ANCHOR FOR S.B. RAIL EA	REMOVAL & DISPOSAL OF GUARDRAIL LF	REHABING DI'S, CB'S OR MH'S			SEED LB	DELINEATOR WITH STEEL POST EA	
CASTLETON:												
80+78.4	274+03.2	LT/RT					-2	I	I	50		SHALL BE PERFORMED AS DIRECTED BY RESIDENT ENGINEER
162+62.0	272+98.0	RT								75		SEE SHEET I28 FOR DITCH CLEANING DETAILS SHEET.
196+28.8	197+19.7	RT	91.5		2	77.0					2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 196+34.7 AND STA 197+13.2.
196+34.4	197+25.9	LT	91.5		2	77.0					2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 196+40.9 AND STA 197+19.4.
257+97.0	265+17.5	LT		821.5	2	706.0					2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 258+03.5 AND STA 265+11.5. SHEET IO FOR STEEL BEAM GUARDRAIL POST SPACING FOR UTILITY POLE WITHIN 4'-0" OF GUARDRAIL DETAIL.
268+90.0	274+19.0	LT		549.0	2	524.0					2	SEE VAOT STANDARD SHEET G-ID FOR DETAILS. PROVIDE ANCHORS AT STA 268+96.5 AND STA 274+12.5. SHEET IO FOR STEEL BEAM GUARDRAIL POST SPACING FOR UTILITY POLE WITHIN 4'-0" OF GUARDRAIL DETAIL.
211+82		RT						I				
216+86		RT						I				
214+89		RT						I				
SHEET SUBTOTALS:			183.0	1370.5	8	1384.0	-2-3	I	I	125	8	
ROUNDING:			17.0	29.5	-	16.0	-	-	-	-	-	
TOTALS:			200	1400	8	1400	-2-3	I	I	125	8	

ITEM DETAIL SUMMARY SHEET	PROJECT NAME: CASTLETON
	PROJECT NUMBER: STP 2909(1)
	FILE NAME: p10c212.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DRAWN BY: W.G.P.
	DESIGNED BY: M.J.M.
	CHECKED BY: D.E.G.
	IPARM FILE: p10c212ids.i
	SHEET I27 OF I52

LOCATION				FEET OF DITCHING				MISC. ITEMS				REMARKS	LOCATION				FEET OF DITCHING				MISC. ITEMS				REMARKS		
SITE	STATION	STATION	POS.	PERCENT GRADE				STONE FILL, TYPE 1	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.		SITE	STATION	STATION	POS.	PERCENT GRADE				STONE FILL, TYPE 1	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.			
				0-1	1-2.5	2.5-10	>10										0-1	1-2.5	2.5-10	>10							
VT. ROUTE 30 CASTLETON:								CY	SY	LB	SY									CY	SY	LB	SY				
1	162+62	194+83	RT		3221					24	1432																
2	196+42	201+17	RT		475					4	211																
3	203+28	242+88	RT		3960					29	1760																
4	243+94	253+44	RT		950					7	422																
5	255+55	265+06	RT		951					7	423																
6	268+22	272+98	RT		476					4	212																
ROUNDINGS					67					-	40																
TOTALS					10,100					75	4500																



DITCH DETAIL



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 1 AND GEOTEXTILE UNDER STONE FILL HAVE BEEN INCLUDED AS NEEDED. STONE FILL TYPE 1 SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2.5 AND 10 PERCENT 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 1 AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

DITCH CLEANING DETAILS SHEET	PROJECT NAME: CASTLETON	
	PROJECT NUMBER: STP 2909(1)	
	FILE NAME: p10c212.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.	DRAWN BY: W.G.P.
DESIGNED BY: M.J.M.	CHECKED BY: D.E.G.	
IPARM FILE: p07c168cdc.i	SHEET 128 OF 152	

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 80+78.40 - STA 86+50.00 EDGE LINE LT & RT
 STA 80+78.40 - STA 81+40.00 SOLID LANE LINE LT
 STA 81+40.00 - STA 83+20.00 DOTTED LANE LINE LT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 80+78.40 - STA 86+50.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 80+78.40 - STA 86+50.00 EDGE LINE LT & RT
 STA 80+78.40 - STA 81+40.00 SOLID LANE LINE LT
 STA 81+40.00 - STA 83+20.00 DOTTED LANE LINE LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 80+78.40 - STA 86+50.00

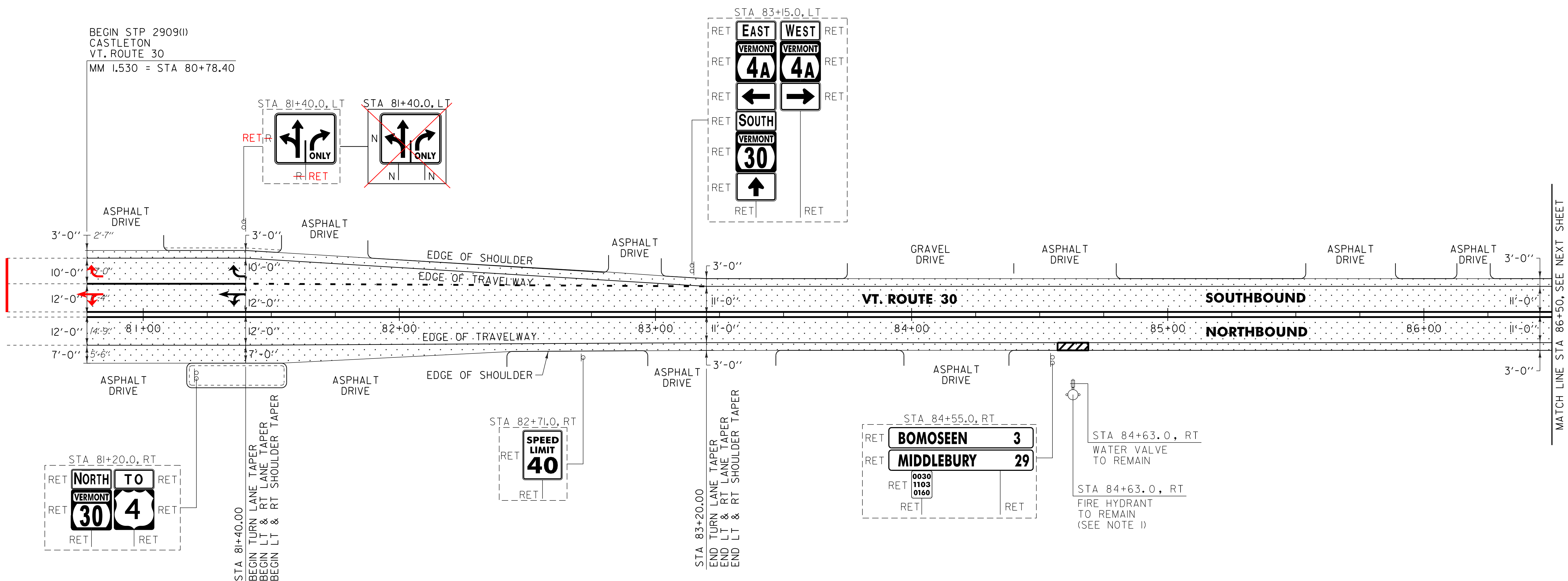
646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
 646.443 DURABLE 8 INCH WHITE LINE, EPOXY PAINT OR
 646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
 CASTLETON:
 STA 84+57.0 - STA 84+69.0 FIRE HYDRANT NO PARKING ZONE RT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 81+33.50 LT ARROWS (2 EA)
 STA 81+35.75 LT ARROW (1EA)
 STA 80+80.0 LT ARROWS (3 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 81+33.50 LT ARROWS (4 EA)
 STA 81+35.75 LT ARROW (2 EA)

646.482 DURABLE 24 IN STOP BAR, THERMOPLASTIC
 CASTLETON:
 STA 80+70 LT, VT 30 @ VT 4A INTERSECTION

675.50 REMOVING SIGNS
 AS SHOWN - + 0



NOTE:
 I. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.



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

NOT TO SCALE

PROJECT LAYOUT SHEET #1	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 129 OF 152
	IPARM FILE: p10c212101.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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 86+50.00 - STA 92+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 86+50.00 - STA 92+50.00 LT S RT S
 STA 88+07.04 DOUBLE SOLID LT, TH-71

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 86+50.00 - STA 92+50.00 LT S RT S
 STA 88+07.04 DOUBLE SOLID LT, TH-71

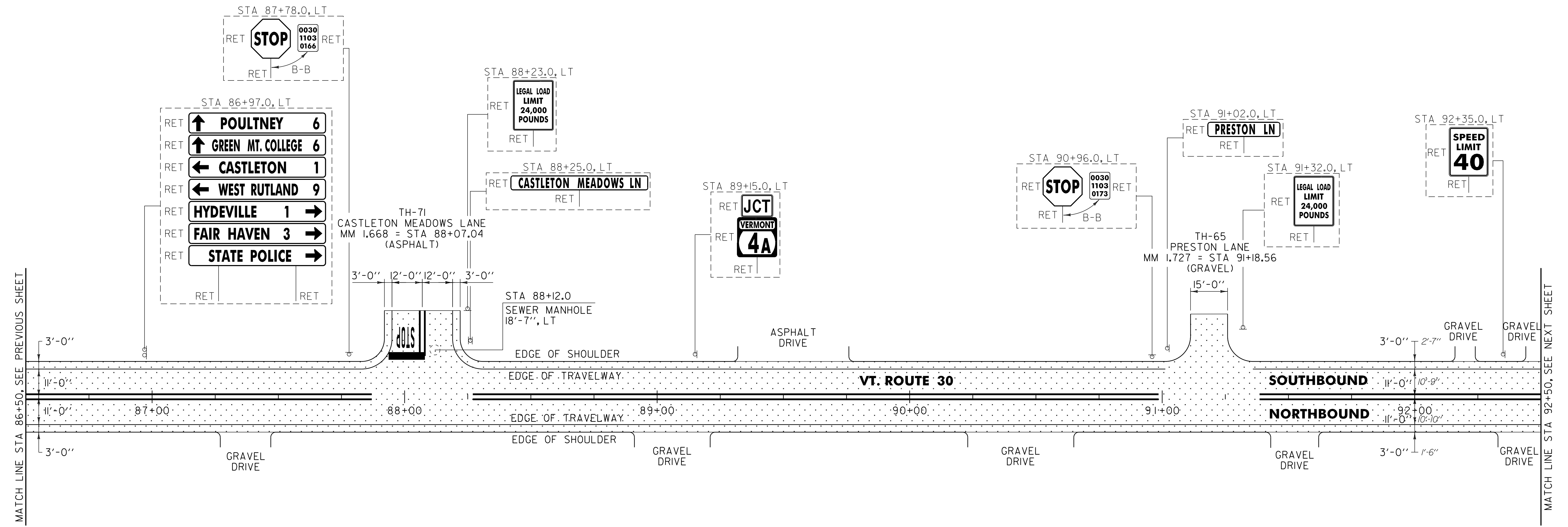
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 86+50.00 - STA 92+50.00 LT S RT S
 STA 88+07.04 DOUBLE SOLID LT, TH-71

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 88+07.04 LT, TH-71 "S,T,O,P" (4 EA)

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
 CASTLETON:
 STA 88+07.04 LT, TH-71

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 88+07.04 LT, TH-71, "S,T,O,P" (8 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 88+07.04 LT, TH-71



MATCH LINE STA 86+50. SEE PREVIOUS SHEET

MATCH LINE STA 92+50. SEE NEXT SHEET

NOTE:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

604.42 CHANGING ELEVATION OF SEWER MANHOLES
 STA 88+12.0 LT



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

NOT TO SCALE

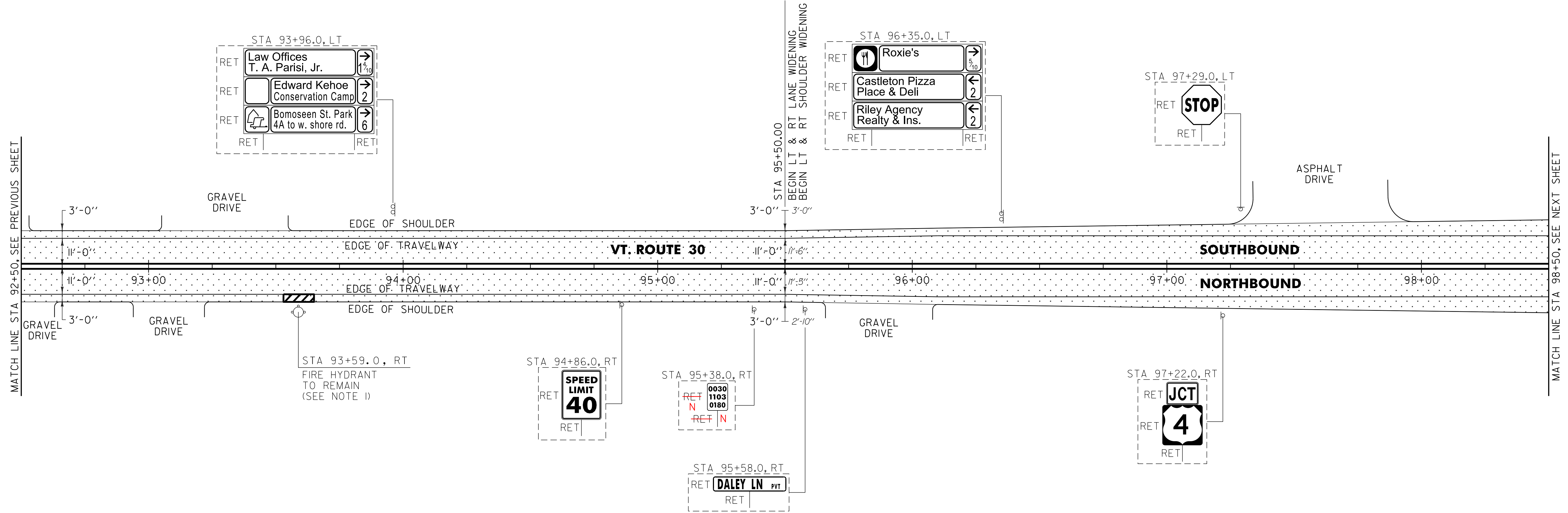
PROJECT LAYOUT SHEET #2	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c212102.i	CHECKED BY: D.E.G. SHEET 130 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 92+50.00 - STA 98+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 92+50.00 - STA 98+50.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 92+50.00 - STA 98+50.00 LT C RT
 S - S

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
 CASTLETON:
 STA 93+53.0 - STA 93+65.0 FIRE HYDRANT NO PARKING ZONE RT



MATCH LINE STA 92+50. SEE PREVIOUS SHEET

MATCH LINE STA 98+50. SEE NEXT SHEET

NOTE:
 I. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.



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

NOT TO SCALE	
PROJECT LAYOUT SHEET #3	PROJECT NAME: CASTLETON
	PROJECT NUMBER: STP 2909(I)
	FILE NAME: p10c212.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DESIGNED BY: M.J.M.
	IPARM FILE: p10c212103.i
	DRAWN BY: W.G.P.
	CHECKED BY: D.E.G.
	SHEET 131 OF 152

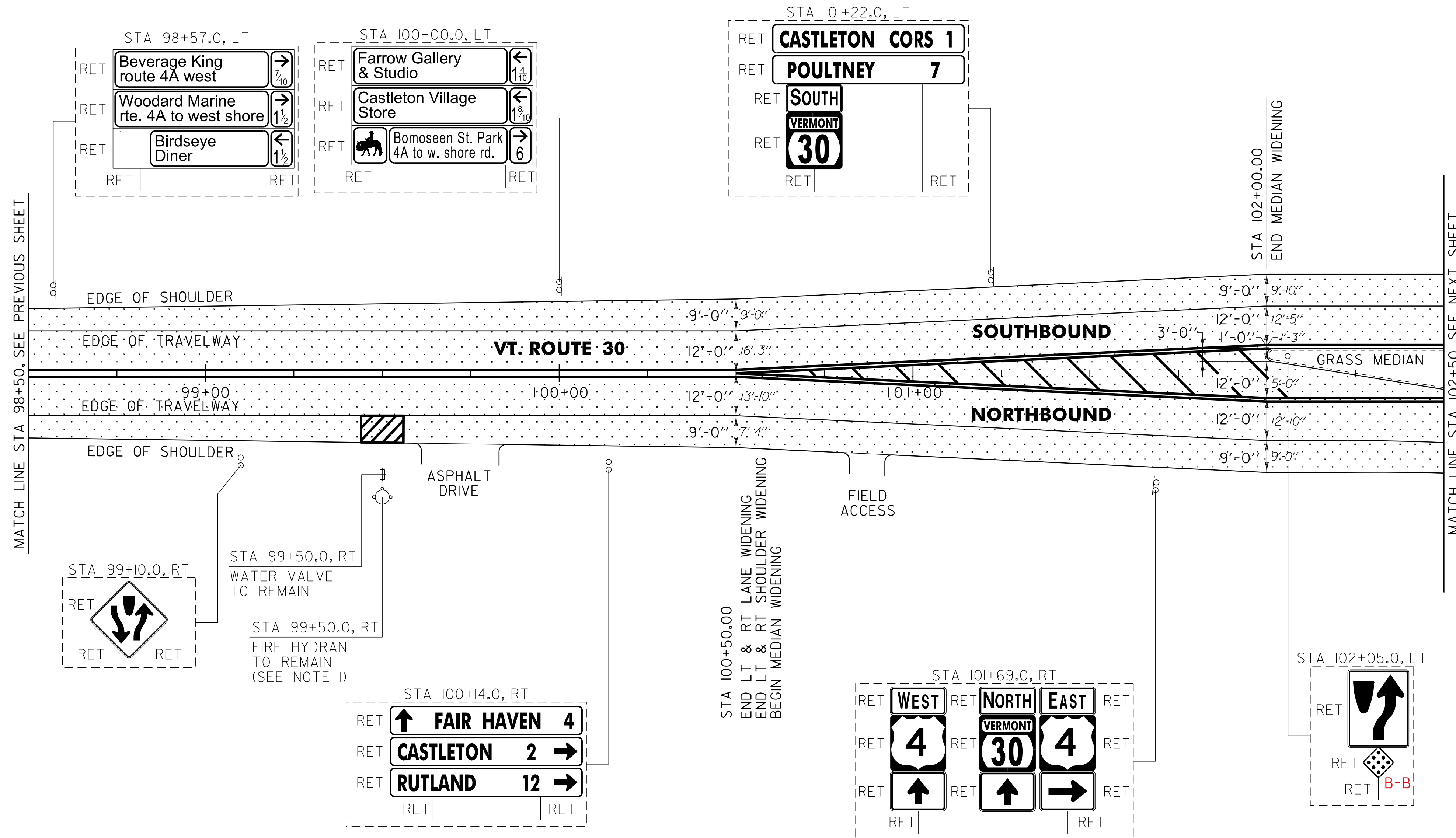
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 98+50.00 - STA 102+50.00 EDGE LINE LT & RT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 98+50.00 - STA 100+50.00 S - S LT C RT
 STA 100+50.00 - STA 102+00.00 DOUBLE SOLID MEDIAN LT
 STA 100+50.00 - STA 102+50.00 DOUBLE SOLID MEDIAN RT
 STA 102+00.00 - STA 102+50.00 MEDIAN EDGE LINE LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 98+50.00 - STA 102+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 98+50.00 - STA 100+50.00 S - S LT C RT
 STA 100+50.00 - STA 102+00.00 DOUBLE SOLID MEDIAN LT
 STA 100+50.00 - STA 102+50.00 DOUBLE SOLID MEDIAN RT
 STA 102+00.00 - STA 102+50.00 MEDIAN EDGE LINE LT

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
 CASTLETON:
 STA 99+44.0 - STA 99+56.0 FIRE HYDRANT NO PARKING ZONE RT
 646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC OR
 646.453 DURABLE 8 INCH YELLOW LINE, EPOXY PAINT OR
 646.454 DURABLE 8 INCH YELLOW LINE, POLYUREA
 CASTLETON:
 STA 100+50.00 - STA 102+00.00 MEDIAN HATCHING LT & RT
 646.81 PAINTED CURB
 CASTLETON:
 STA 102+00.0 - STA 102+30.0 LT (30.0 LF)
 STA 102+00.0 - STA 102+50.0 RT (50.0 LF)



NOTE:
 1. SEE SHEET 8 FOR FIRE HYDRANT
 PAVEMENT MARKING DETAIL.

..... AREA TO BE
 COLD PLANNED

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

NOT TO SCALE	
PROJECT LAYOUT SHEET #4	
PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
PROJECT LEADER: D.E.G.	SHEET 132 OF 152
DESIGNED BY: M.J.M.	
IPARM FILE: p10c212104.i	

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EXPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA I02+50.00 - STA I07+50.00 EDGE LINE LT & RT
 STA I05+90.00 - STA I07+50.00 SOLID LANE LINE LT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EXPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA I02+50.00 - STA I02+65.00 DOUBLE SOLID MEDIAN RT
 STA I02+50.00 - STA I05+15.00 MEDIAN EDGE LINE LT
 STA I02+65.00 - STA I05+15.00 MEDIAN EDGE LINE RT
 STA I06+20.00 - STA I07+50.00 MEDIAN EDGE LINE LT & RT

646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
 646.423 DURABLE 6 INCH WHITE LINE, EXPOXY PAINT OR
 646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA I04+12.16 RAMP P EDGE LINE RT
 STA I04+12.16 RAMP P MEDIAN EDGE LINE RT
 STA I05+23.04 RAMP N EDGE LINE LT

646.432 DURABLE 6 INCH YELLOW LINE, THERMOPLASTIC OR
 646.433 DURABLE 6 INCH YELLOW LINE, EXPOXY PAINT OR
 646.434 DURABLE 6 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA I04+12.16 RAMP P MEDIAN EDGE LINE RT
 STA I04+12.16 RAMP P EDGE LINE RT
 STA I05+23.04 RAMP N EDGE LINE LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA I02+50.00 - STA I07+50.00 EDGE LINE LT & RT
 STA I04+12.16 RAMP P EDGE LINE RT
 STA I04+12.16 RAMP P MEDIAN EDGE LINE RT
 STA I05+23.04 RAMP N EDGE LINE LT
 STA I05+90.00 - STA I07+50.00 SOLID LANE LINE LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA I02+50.00 - STA I02+65.00 DOUBLE SOLID MEDIAN RT
 STA I02+50.00 - STA I05+15.00 MEDIAN EDGE LINE LT
 STA I02+65.00 - STA I05+15.00 MEDIAN EDGE LINE RT
 STA I04+12.16 RAMP P MEDIAN EDGE LINE RT
 STA I04+12.16 RAMP P EDGE LINE RT
 STA I05+23.04 RAMP N EDGE LINE LT
 STA I06+20.00 - STA I07+50.00 MEDIAN EDGE LINE LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA I04+12.16 RAMP P EDGE LINE RT
 STA I04+12.16 RAMP P MEDIAN EDGE LINE RT
 STA I05+23.04 RAMP N EDGE LINE LT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA I04+12.16 RAMP P MEDIAN EDGE LINE RT
 STA I04+12.16 RAMP P EDGE LINE RT
 STA I05+23.04 RAMP N EDGE LINE LT

646.642 DURABLE 12 INCH WHITE LINE, THERMOPLASTIC OR
 646.463 DURABLE 12 INCH WHITE LINE, EXPOXY PAINT OR
 646.464 DURABLE 12 INCH WHITE LINE, POLYUREA
 CASTLETON:
 STA I03+75.00 - STA I05+55.00 GORE AREA RT
 STA I04+12.16 RAMP P GORE AREA RT
 STA I04+80.00 - STA I05+15.00 HATCHED AREA LT

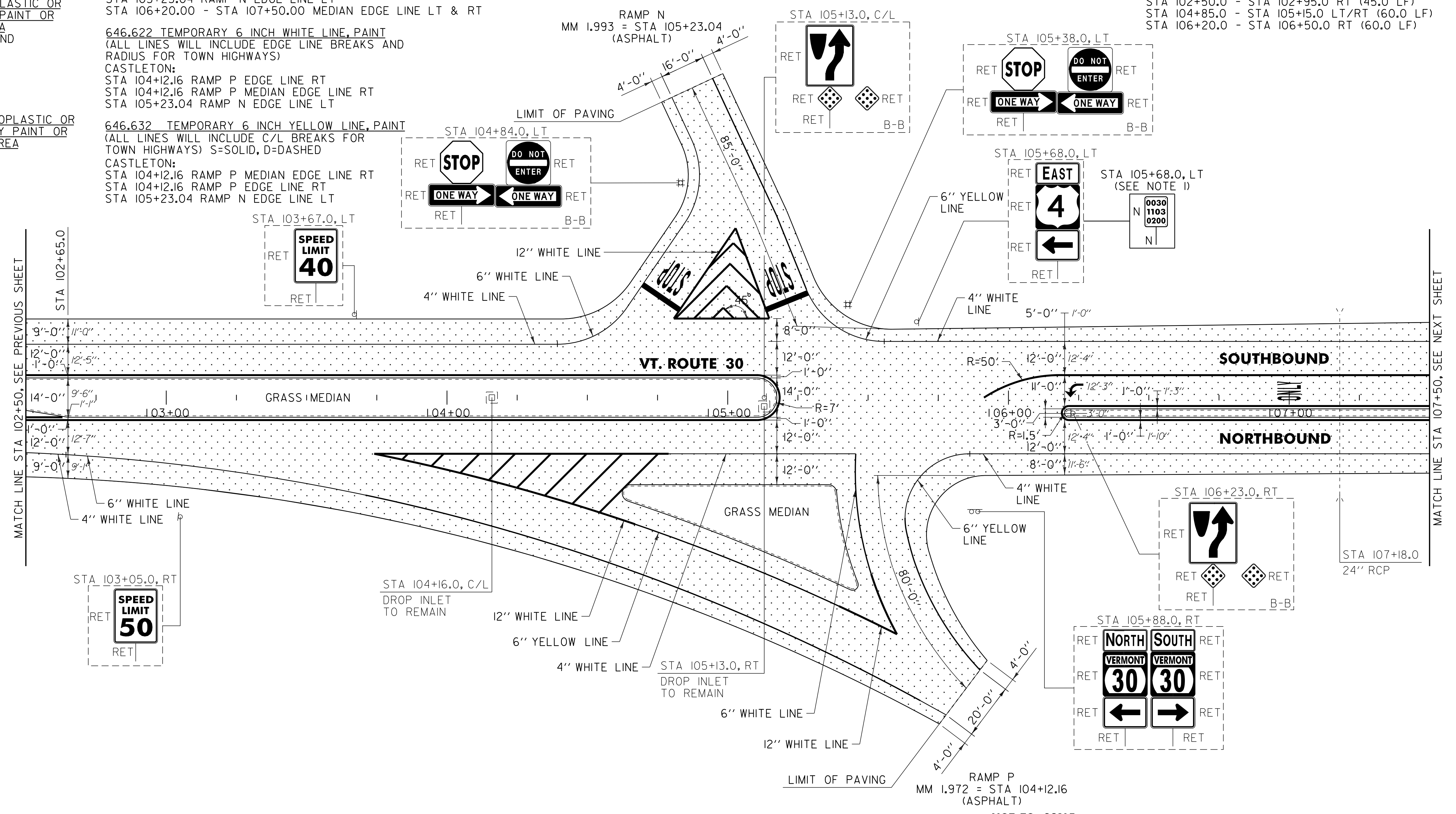
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EXPOXY PAINT
 CASTLETON:
 STA I05+23.04 LT, RAMP N, "S,T,O,P" (4 EA)
 STA I05+23.04 LT, RAMP N, "S,T,O,P" (4 EA)
 STA I06+24.25 LT ARROW (1 EA)
 STA I06+98.40 LT "O,N,L,Y" (4 EA)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
 646.483 DURABLE 24 INCH STOP BAR, EXPOXY PAINT OR
 646.484 DURABLE 24 INCH STOP BAR, POLYUREA
 CASTLETON:
 STA I05+23.04 LT, RAMP N
 STA I05+23.04 LT, RAMP N

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA I05+23.04 LT, RAMP N
 STA I05+23.04 LT, RAMP N

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA I05+23.04 LT, RAMP N, "S,T,O,P" (8 EA)
 STA I05+23.04 LT, RAMP N, "S,T,O,P" (8 EA)
 STA I06+24.25 LT ARROW (2 EA)

646.81 PAINTED CURB
 CASTLETON:
 STA I02+50.0 - STA I02+95.0 RT (45.0 LF)
 STA I04+85.0 - STA I05+15.0 LT/RT (60.0 LF)
 STA I06+20.0 - STA I06+50.0 RT (60.0 LF)



NOTE:
 1. THIS NEW MILE MARKER SIGN IS TO BE
 INSTALLED ON THE EXISTING SIGN POST.



SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING BY: - - - - -
 NEW = _____

NOT TO SCALE

PROJECT LAYOUT SHEET #5	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 133 OF 152

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EXPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 107+50.00 - STA 112+50.00 EDGE LINE LT & RT
 STA 107+50.00 - STA 109+25.00 SOLID LANE LINE LT
 STA 109+25.00 - STA 111+35.00 DOTTED LANE LINE LT
 STA 109+25.00 - STA 111+35.00 DOTTED LANE LINE RT
 STA 111+35.00 - STA 112+50.00 SOLID LANE LINE RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EXPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 107+50.00 - STA 112+50.00 MEDIAN EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 107+50.00 - STA 112+50.00 EDGE LINE LT & RT
 STA 107+50.00 - STA 109+25.00 SOLID LANE LINE LT
 STA 109+25.00 - STA 111+35.00 DOTTED LANE LINE LT
 STA 109+25.00 - STA 111+35.00 DOTTED LANE LINE RT
 STA 111+35.00 - STA 112+50.00 SOLID LANE LINE RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 107+50.00 - STA 112+50.00 MEDIAN EDGE LINE LT & RT

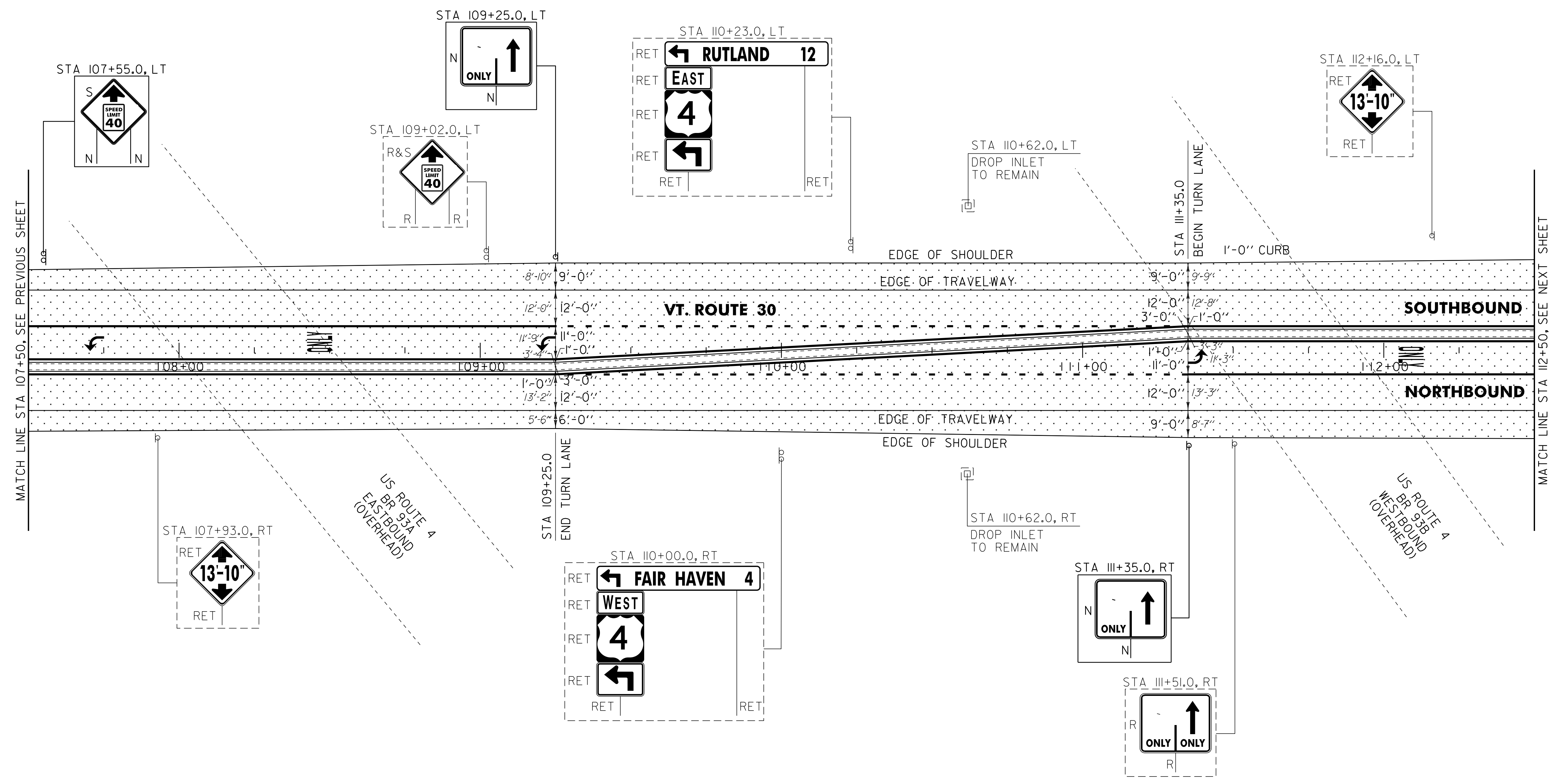
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 107+72.55 LT ARROW (1 EA)
 STA 108+46.70 LT "O,N,L,Y" (4 EA)
 STA 109+20.84 LT ARROW (1 EA)
 STA 111+39.25 RT ARROW (1 EA)
 STA 112+14.63 RT "O,N,L,Y" (4 EA)

646.81 PAINTED CURB
 CASTLETON:
 STA 108+95.0 - STA 109+55.0 RT (120.0 LF)
 STA 111+05.0 - STA 111+65.0 LT (120.0 LF)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 107+72.55 LT ARROW (2 EA)
 STA 109+20.84 LT ARROW (2 EA)
 STA 111+39.25 RT ARROW (2 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



NOTE:
 1. VERTICAL CLEARANCE TO US ROUTE 4 OVERPASSES SHALL NOT BE REDUCED

NOT TO SCALE

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

AREA TO BE COLD PLANNED

PROJECT LAYOUT SHEET #6	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 134 OF 152

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EXPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 112+50.00 - STA 118+00.00 EDGE LINE LT & RT
 STA 112+50.00 - STA 114+75.00 SOLID LANE LINE RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 112+50.00 - STA 118+00.00 EDGE LINE LT & RT
 STA 112+50.00 - STA 114+75.00 SOLID LANE LINE RT
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.462 DURABLE 12 INCH WHITE LINE, THERMOPLASTIC OR
 646.463 DURABLE 12 INCH WHITE LINE, EXPOXY PAINT OR
 646.464 DURABLE 12 INCH WHITE LINE, POLYUREA
 CASTLETON:
 STA 115+00.00 - STA 116+68.00 GORE AREA LT
 STA 115+35.00 - STA 116+08.00 HATCHED AREA RT
 STA 116+21.28 RAMP R GORE AREA LT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EXPOXY PAINT
 CASTLETON:
 STA 112+90.00 RT ARROW (1EA)
 STA 113+65.38 RT "O,N,L,Y" (4 EA)
 STA 114+40.75 RT ARROW (1EA)
 STA 115+26.24 RT, RAMP Q, "S,T,O,P" (4 EA)
 STA 115+26.24 RT, RAMP Q, "S,T,O,P" (4 EA)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EXPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 112+50.00 - STA 114+45.00 MEDIAN EDGE LINE LT
 STA 115+55.00 - STA 118+00.00 MEDIAN EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 112+50.00 - STA 114+45.00 MEDIAN EDGE LINE LT
 STA 115+55.00 - STA 118+00.00 MEDIAN EDGE LINE LT & RT
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
 646.483 DURABLE 24 INCH STOP BAR, EXPOXY PAINT OR
 646.484 DURABLE 24 INCH STOP BAR, POLYUREA
 CASTLETON:
 STA 115+26.24 RT, RAMP Q
 STA 115+26.24 RT, RAMP Q
 STA 115+26.24 RT, RAMP Q
 STA 116+26.24 RT, RAMP Q

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 112+90.00 RT ARROW (2 EA)
 STA 114+40.75 RT ARROW (2 EA)
 STA 115+26.24 RT, RAMP Q, "S,T,O,P" (8 EA)
 STA 115+26.24 RT, RAMP Q, "S,T,O,P" (8 EA)

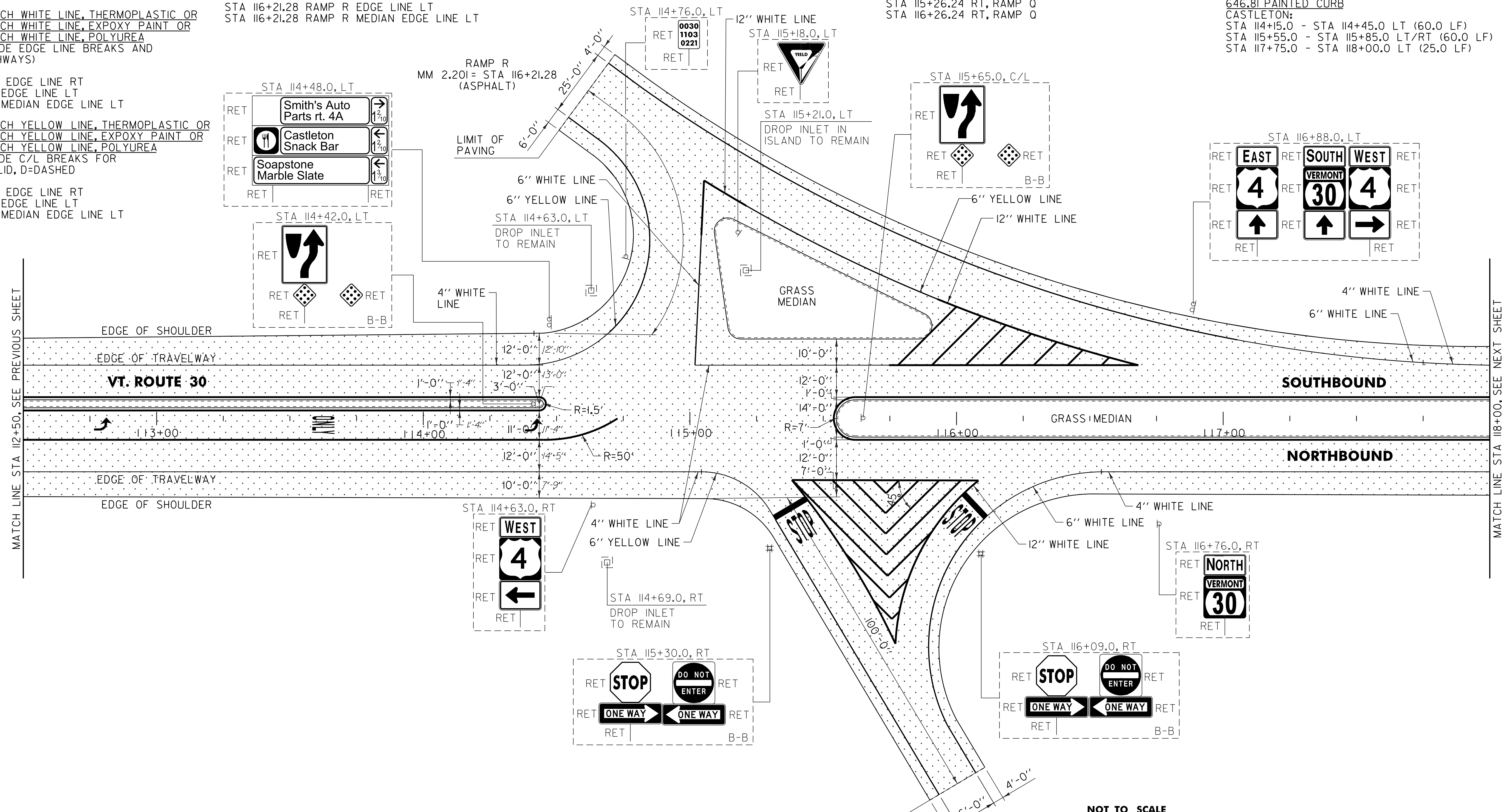
646.422 DURABLE 6 INCH WHITE LINE, THERMOPLASTIC OR
 646.423 DURABLE 6 INCH WHITE LINE, EXPOXY PAINT OR
 646.424 DURABLE 6 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.432 DURABLE 6 INCH YELLOW LINE, THERMOPLASTIC OR
 646.433 DURABLE 6 INCH YELLOW LINE, EXPOXY PAINT OR
 646.434 DURABLE 6 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 115+26.24 RAMP Q EDGE LINE RT
 STA 116+21.28 RAMP R EDGE LINE LT
 STA 116+21.28 RAMP R MEDIAN EDGE LINE LT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 115+26.24 RT, RAMP Q
 STA 116+26.24 RT, RAMP Q

646.81 PAINTED CURB
 CASTLETON:
 STA 114+15.0 - STA 114+45.0 LT (60.0 LF)
 STA 115+55.0 - STA 115+85.0 LT/RT (60.0 LF)
 STA 117+75.0 - STA 118+00.0 LT (25.0 LF)



AREA TO BE COLD PLANED

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

NOT TO SCALE

PROJECT LAYOUT SHEET #7	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 135 OF 152

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EXPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 118+00.00 - STA 123+50.00 EDGE LINE LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EXPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 120+50.00 - STA 123+50.00 LT C RT S - S
 STA 118+00.00 - STA 118+70.00 MEDIAN EDGE LINE RT
 STA 118+00.00 - STA 118+05.00 MEDIAN EDGE LINE LT
 STA 118+05.00 - STA 118+70.00 DOUBLE SOLID MEDIAN LT
 STA 118+70.00 - STA 120+50.00 DOUBLE SOLID MEDIAN LT & RT
 STA 122+65.44 DOUBLE SOLID LT, TH-68

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 118+00.00 - STA 123+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 120+50.00 - STA 123+50.00 LT C RT S - S
 STA 118+00.00 - STA 118+70.00 MEDIAN EDGE LINE RT
 STA 118+00.00 - STA 118+05.00 MEDIAN EDGE LINE LT
 STA 118+05.00 - STA 118+70.00 DOUBLE SOLID MEDIAN LT
 STA 118+70.00 - STA 120+50.00 DOUBLE SOLID MEDIAN LT & RT
 STA 122+65.44 DOUBLE SOLID LT, TH-68

646.442 DURABLE 8 INCH WHITE LINE, THERMOPLASTIC OR
 646.443 DURABLE 8 INCH WHITE LINE, EXPOXY PAINT OR
 646.444 DURABLE 8 INCH WHITE LINE, POLYUREA
 CASTLETON:
 STA 119+76.0 - STA 119+88.0 FIRE HYDRANT NO PARKING ZONE RT

646.452 DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC OR
 646.453 DURABLE 8 INCH YELLOW LINE, EXPOXY PAINT OR
 646.454 DURABLE 8 INCH YELLOW LINE, POLYUREA
 CASTLETON:
 STA 118+70.00 - STA 120+50.00 MEDIAN HATCHING LT & RT

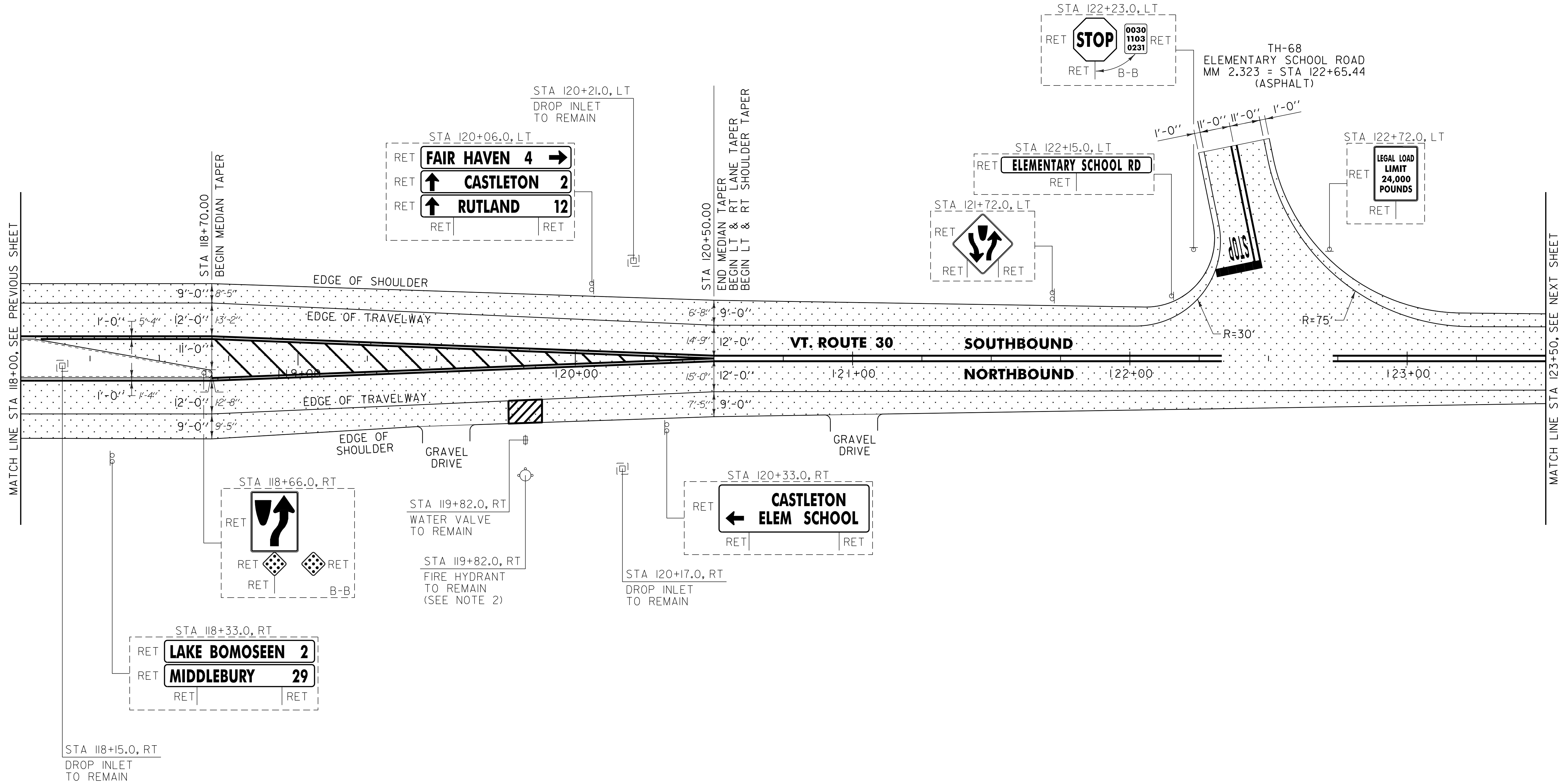
646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC OR
 646.483 DURABLE 24 INCH STOP BAR, EXPOXY PAINT OR
 646.484 DURABLE 24 INCH STOP BAR, POLYUREA
 CASTLETON:
 STA 122+65.44 LT, TH-68

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 122+65.44 LT, TH-68

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EXPOXY PAINT
 CASTLETON:
 STA 122+65.44 LT, TH-68 "S,T,O,P" (4 EA)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 122+65.44 LT, TH-68, "S,T,O,P" (8 EA)

646.81 PAINTED CURB
 CASTLETON:
 STA 118+00.0 - STA 118+70.0 LT (70.0 LF)
 STA 118+40.0 - STA 118+70.0 RT (30.0 LF)



NOTES:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.



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

NOT TO SCALE	
PROJECT LAYOUT SHEET #8	PROJECT NAME: CASTLETON
	PROJECT NUMBER: STP 2909(1)
	FILE NAME: p10c212.dgn
	PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.	PLOT DATE: 04-JUN-2013 09:2
IPARM FILE: p10c212108.1	DRAWN BY: W.G.P.
	CHECKED BY: D.E.G.
	SHEET 136 OF 152

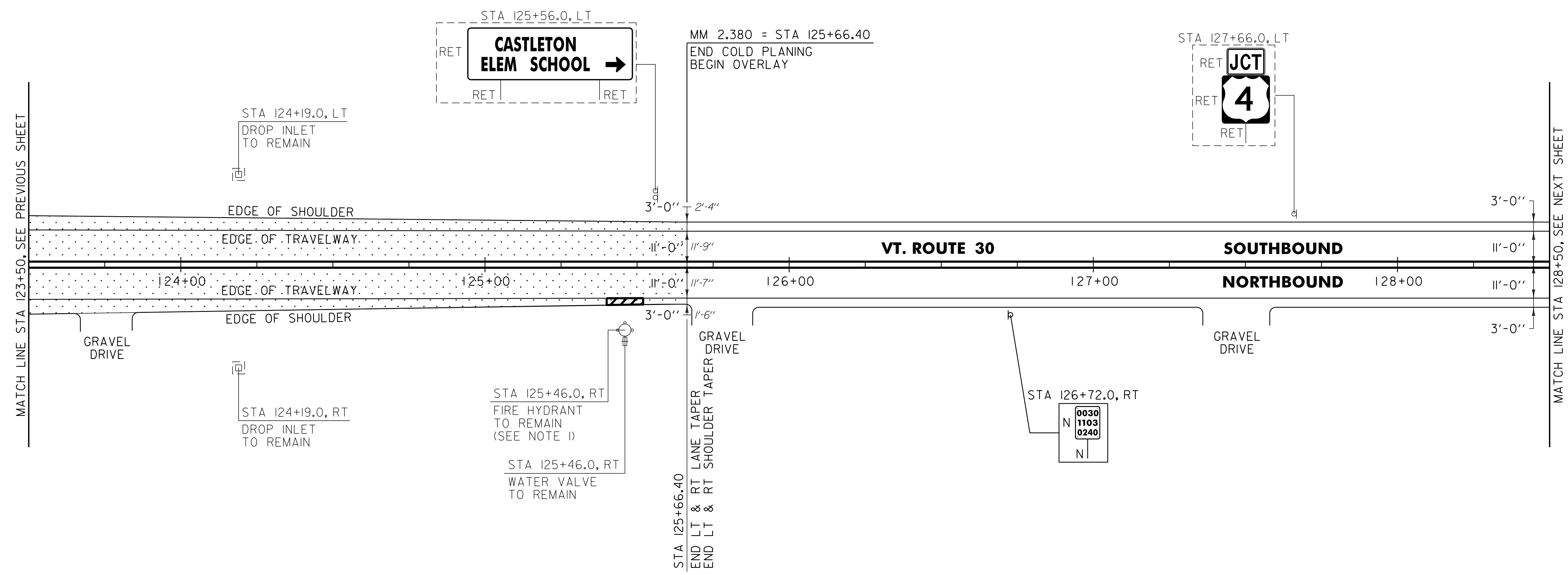
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 123+50.00 - STA 128+50.00 EDGE LINE LT & RT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 123+50.00 - STA 128+50.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 123+50.00 - STA 128+50.00

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 123+50.00 - STA 128+50.00

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
 CASTLETON:
 STA 125+40.0 - STA 125+52.0 FIRE HYDRANT NO PARKING ZONE RT



NOTE:
 1. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

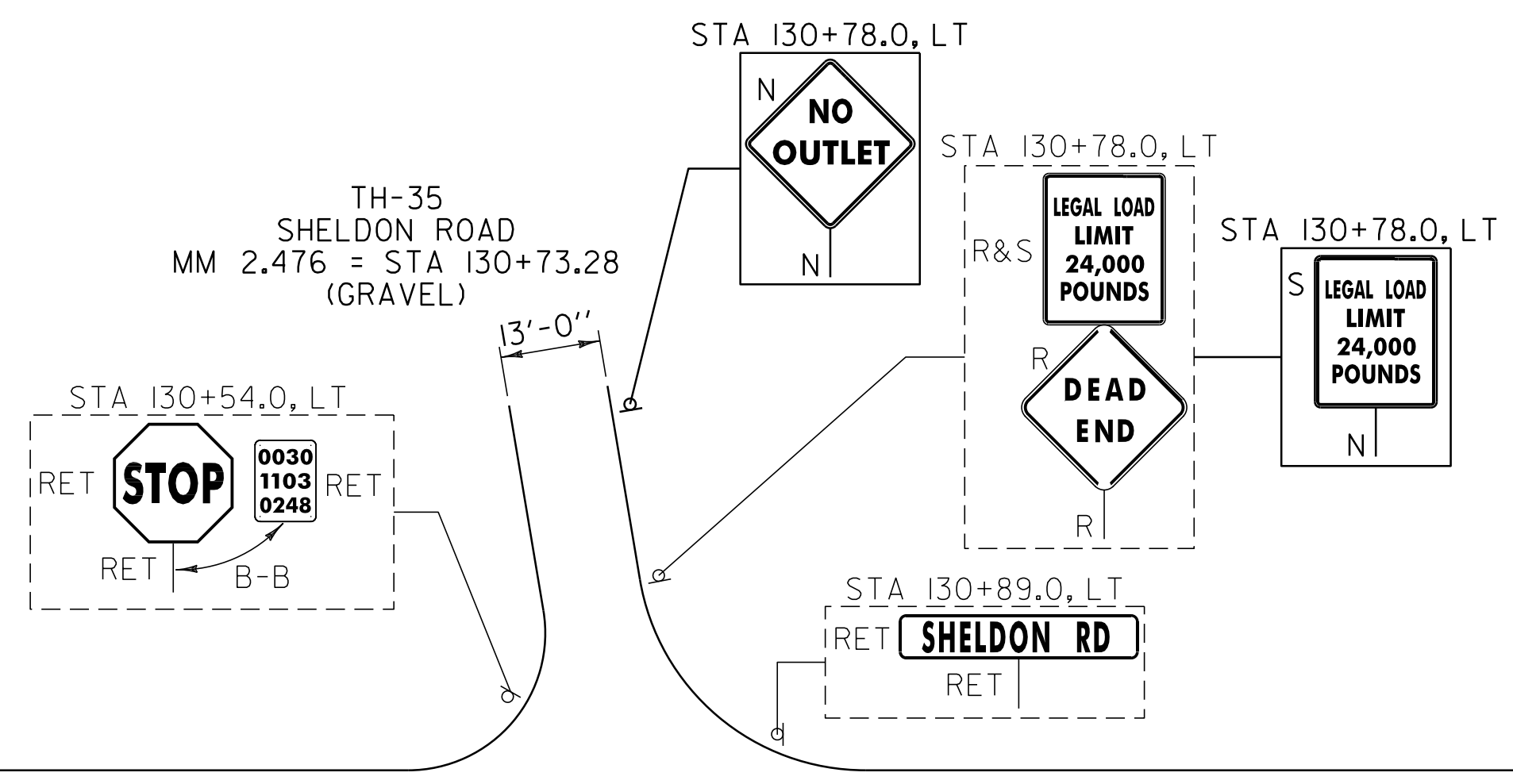
..... AREA TO BE COLD PLANED

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

NOT TO SCALE	
PROJECT LAYOUT SHEET #9	PROJECT NAME: CASTLETON
	PROJECT NUMBER: STP 2909(1)
	FILE NAME: p10c212.dgn
	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G.
	DESIGNED BY: M.J.M.
	IPARM FILE: p10c212109.i
	DRAWN BY: W.G.P.
	CHECKED BY: D.E.G.
	SHEET 137 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 128+50.00 - STA 140+50.00 EDGE LINE LT & RT
 LT C RT
 S - S

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 128+50.00 - STA 140+50.00
 LT C RT
 S - S



646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 128+50.00 - STA 140+50.00 EGE LINE LT & RT
 LT C RT
 S - S

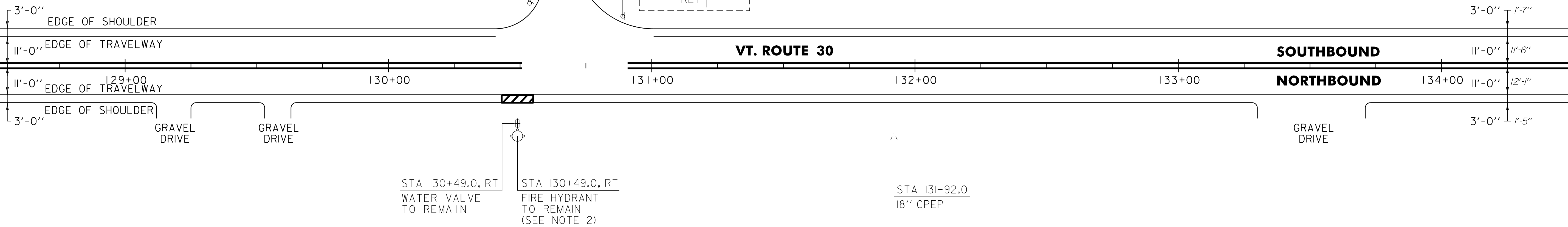
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 128+50.00 - STA 140+50.00
 LT C RT
 S - S

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
 CASTLETON:
 STA 130+43.0 - STA 130+55.0 FIRE HYDRANT NO PARKING ZONE RT
 STA 138+85.0 - STA 138+97.0 FIRE HYDRANT NO PARKING ZONE RT

675.50 REMOVING SIGNS
 AS SHOWN - 2-3

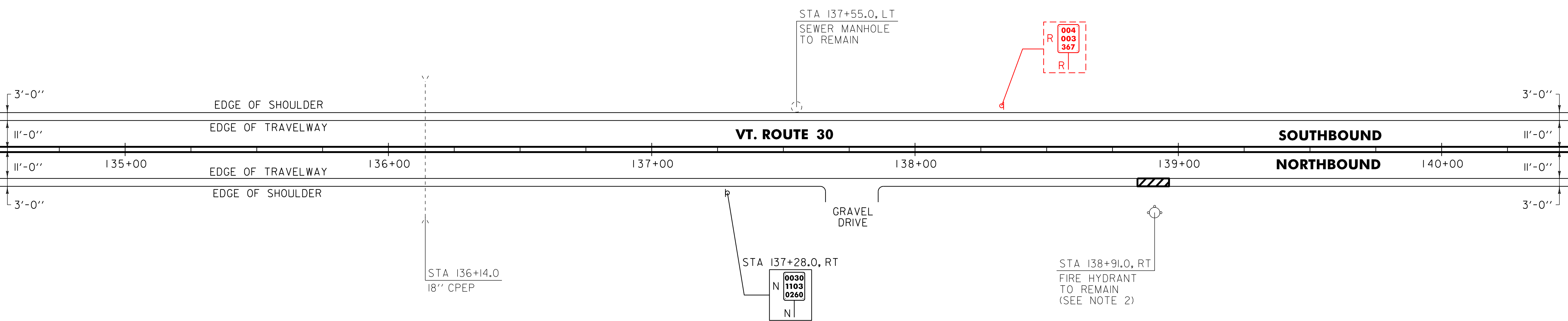
675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1

MATCH LINE STA 128+50. SEE PREVIOUS SHEET



MATCH LINE STA 134+50. SEE BELOW

MATCH LINE STA 134+50. SEE ABOVE



MATCH LINE STA 140+50. SEE NEXT SHEET

NOTES:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 2. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #10	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 138 OF 152
	IPARM FILE: p10c212110.i	

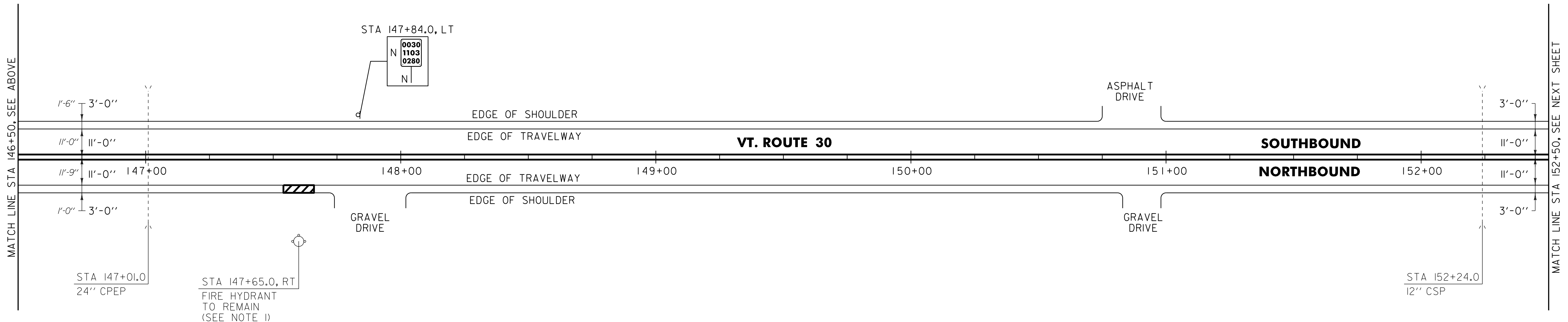
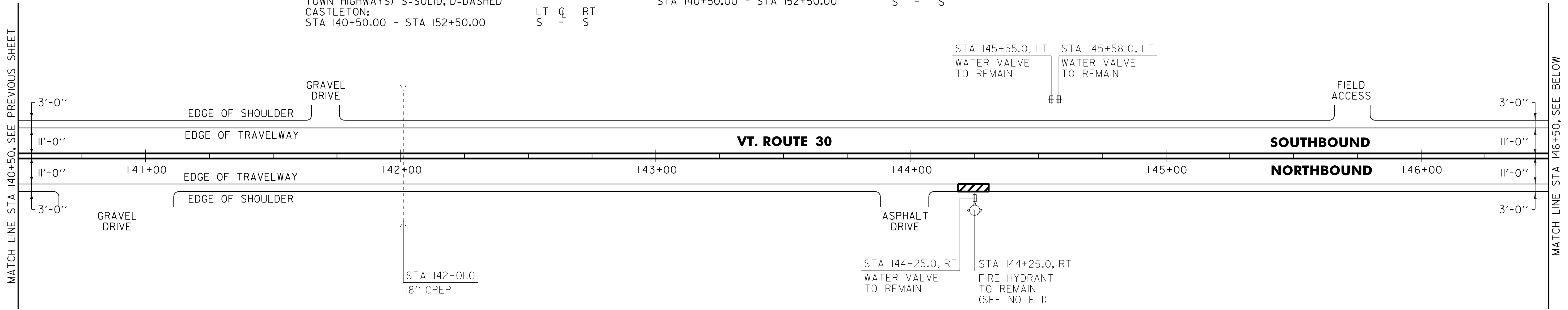
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC OR
 646.403 DURABLE 4 INCH WHITE LINE, EPOXY PAINT OR
 646.404 DURABLE 4 INCH WHITE LINE, POLYUREA
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 140+50.00 - STA 152+50.00 EDGE LINE LT & RT

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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 140+50.00 - STA 152+50.00 LT CL RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 140+50.00 - STA 152+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 140+50.00 - STA 152+50.00 LT CL RT
 S - S

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
 CASTLETON:
 STA 144+19.0 - STA 144+31.0 FIRE HYDRANT NO PARKING ZONE RT
~~STA 147+59.0 - STA 147+71.0 FIRE HYDRANT NO PARKING ZONE RT~~



NOTE:
 1. SEE SHEET 8 FOR FIRE HYDRANT PAVEMENT MARKING DETAIL.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #11	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 139 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 152+50.00 - STA 164+50.00 EDGE LINE LT & RT

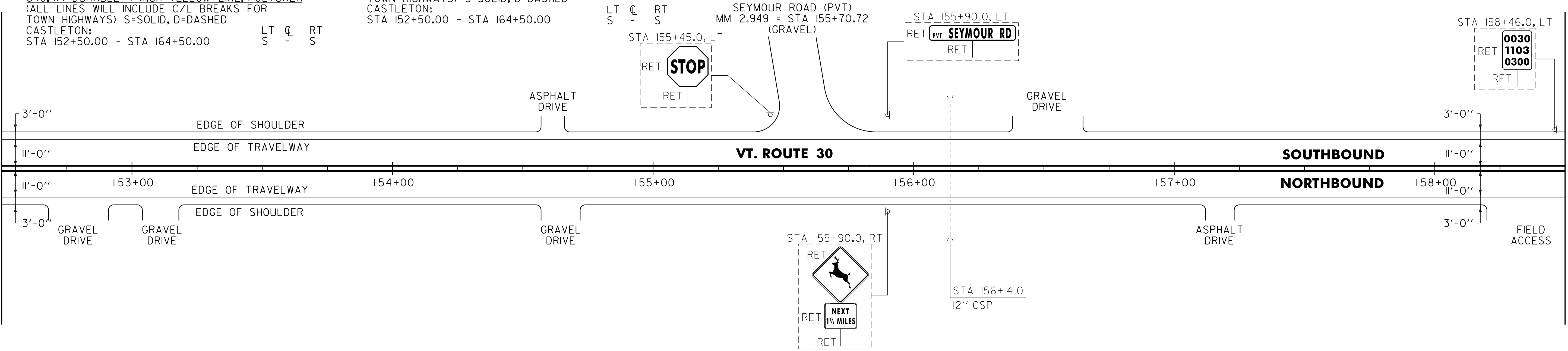
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 152+50.00 - STA 164+50.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 152+50.00 - STA 164+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 152+50.00 - STA 164+50.00

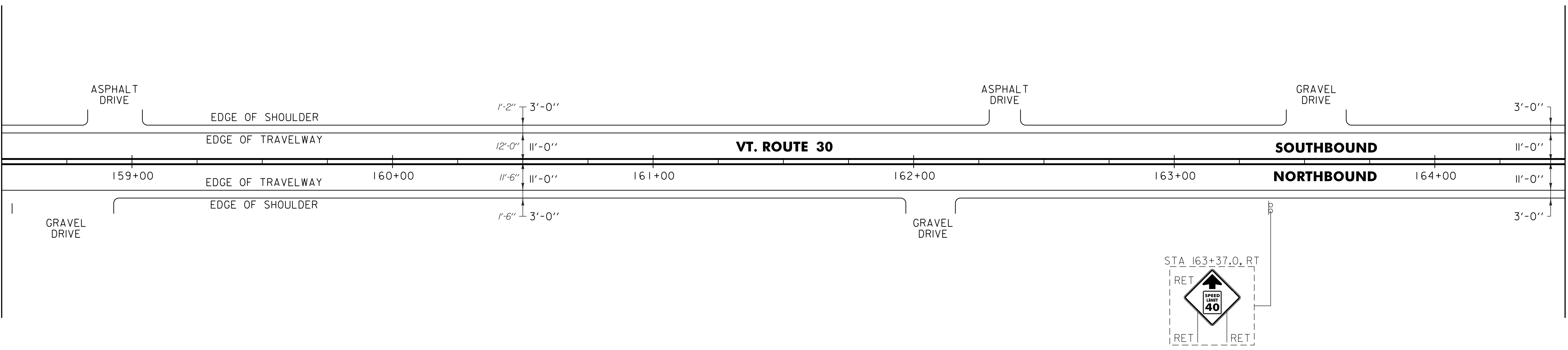
LT C RT
 S - S

MATCH LINE STA 152+50.00, SEE PREVIOUS SHEET



MATCH LINE STA 158+50.00, SEE BELOW

MATCH LINE STA 158+50.00, SEE ABOVE



MATCH LINE STA 164+50.00, SEE NEXT SHEET

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

NOT TO SCALE

PROJECT LAYOUT SHEET #12	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 140 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 164+50.00 - STA 176+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 164+50.00 - STA 176+50.00 LT CL RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 164+50.00 - STA 176+50.00 LT CL RT
 S - S

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 164+50.00 - STA 176+50.00 LT CL RT
 S - S

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
 CASTLETON:
 STA 173+23.68 LT, TH-24

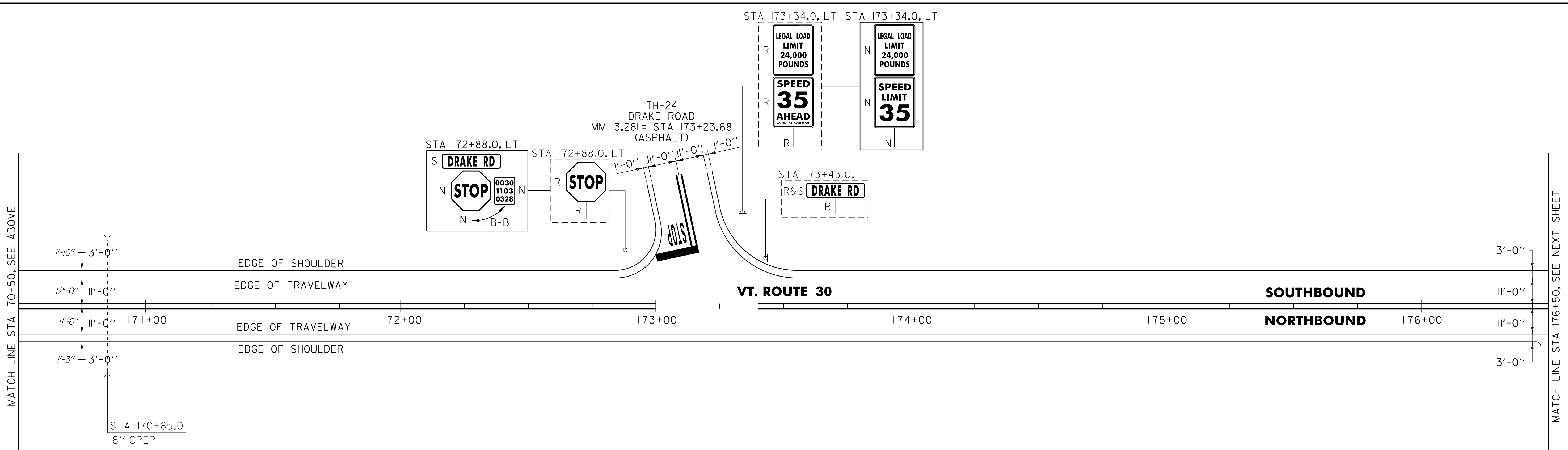
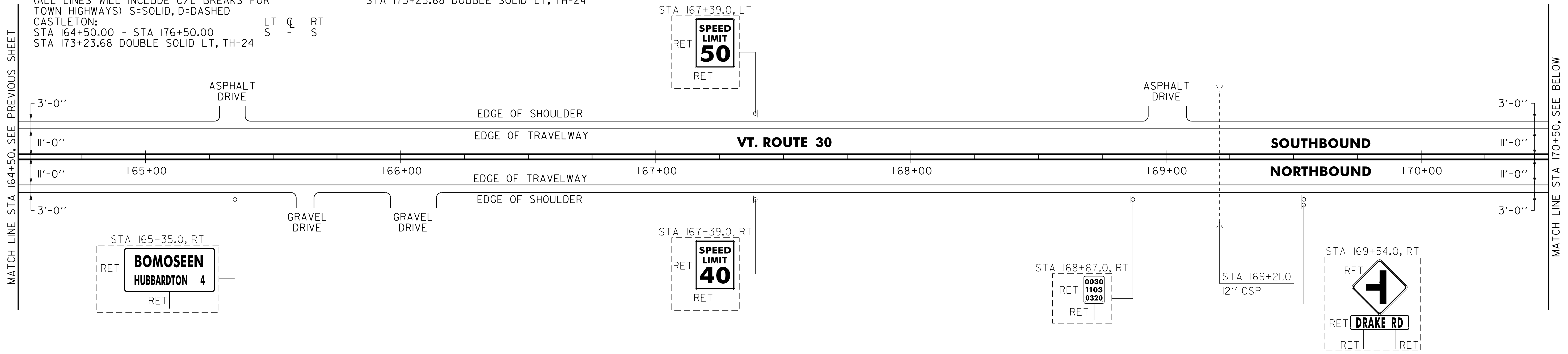
646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC OR
 646.493 DURABLE LETTER OR SYMBOL, EPOXY PAINT
 CASTLETON:
 STA 173+23.68 LT, TH-24 "S,T,O,P" (4 EA)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
 CASTLETON:
 STA 173+23.68 LT, TH-24

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
 CASTLETON:
 STA 173+23.68 LT, TH-24, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



NOTE:
 1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED
 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER
 UNLESS DENOTED OTHERWISE ON THE PLANS OR AS
 DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

PROJECT LAYOUT SHEET #13	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 141 OF 152
	IPARM FILE: p10c212113.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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 176+50.00 - STA 188+50.00 EDGE LINE LT & RT

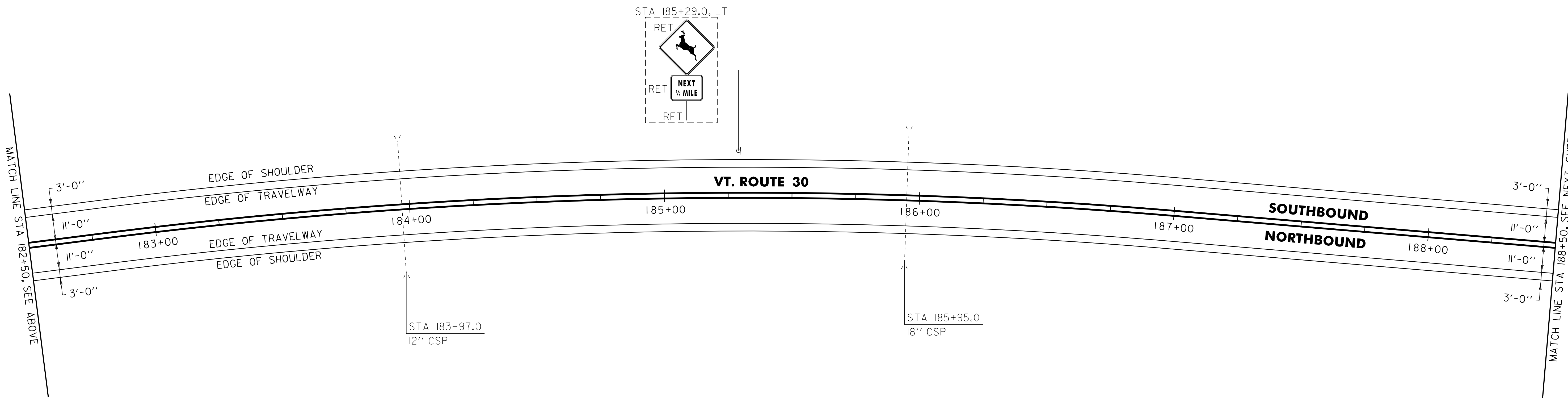
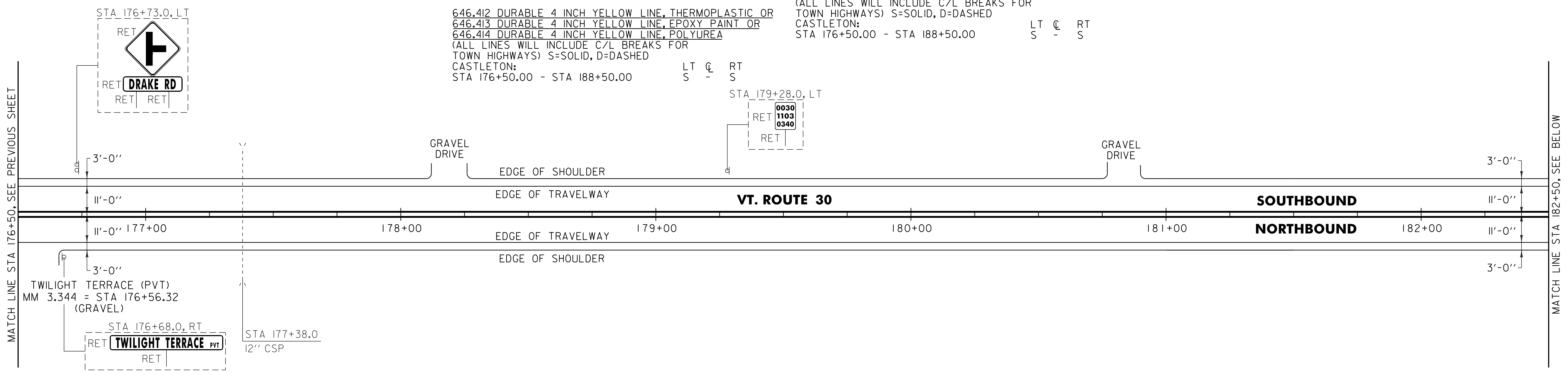
646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC OR
 646.413 DURABLE 4 INCH YELLOW LINE, EPOXY PAINT OR
 646.414 DURABLE 4 INCH YELLOW LINE, POLYUREA
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 176+50.00 - STA 188+50.00

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 176+50.00 - STA 188+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 176+50.00 - STA 188+50.00

LT ☉ RT
 S - S

LT ☉ RT
 S - S



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

PROJECT LAYOUT SHEET #14	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 142 OF 152
	IPARM FILE: p10c212114.i	

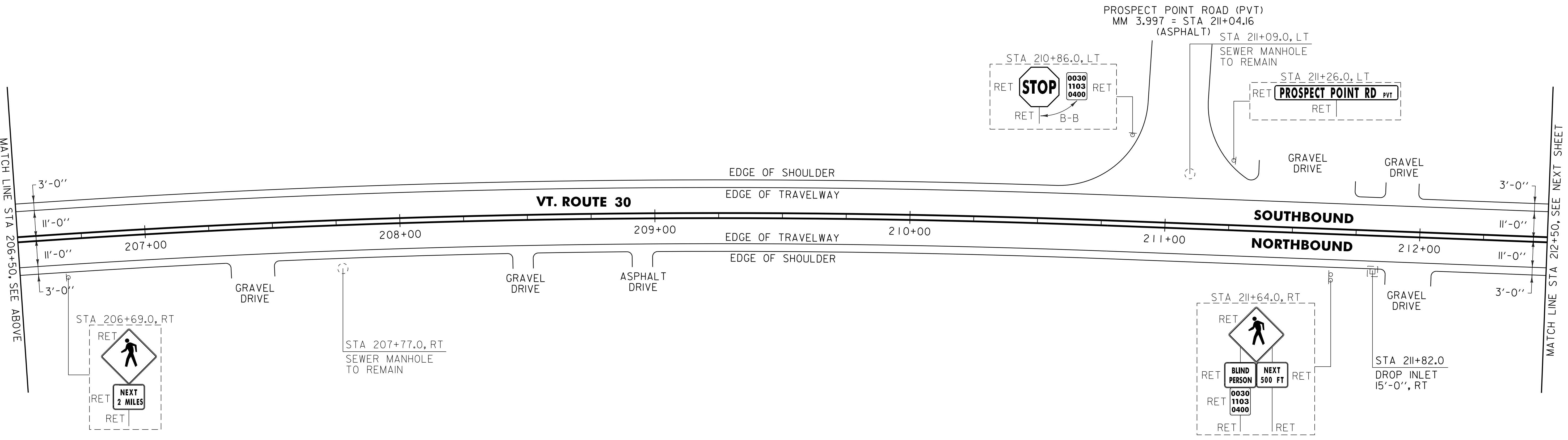
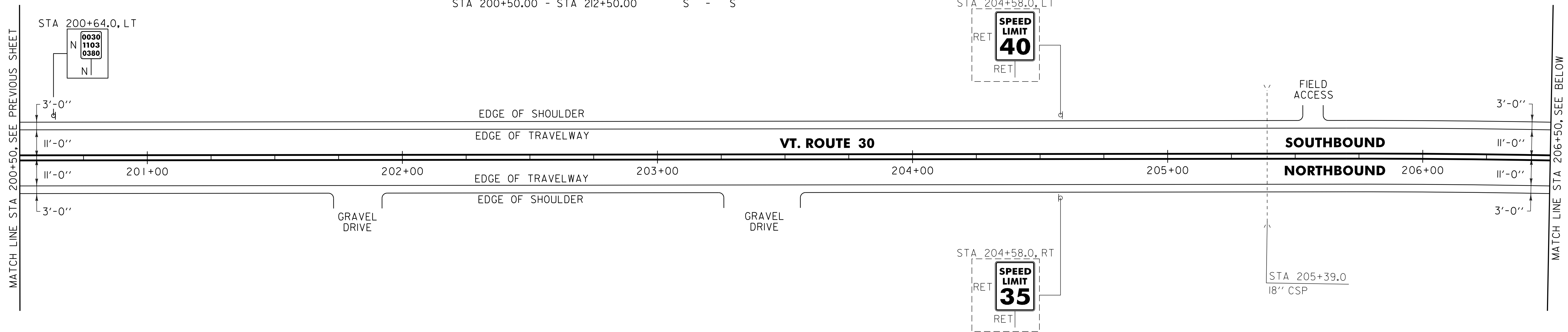
NOT TO SCALE

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 200+50.00 - STA 212+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 200+50.00 - STA 212+50.00 LT CL RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 200+50.00 - STA 212+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 200+50.00 - STA 212+50.00 LT CL RT
 S - S



NOTE:
 1. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.

604.12, 604.415, 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, II, III (SEE NOTE 1)
 CASTLETON:
 STA 211+82.0 RT

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

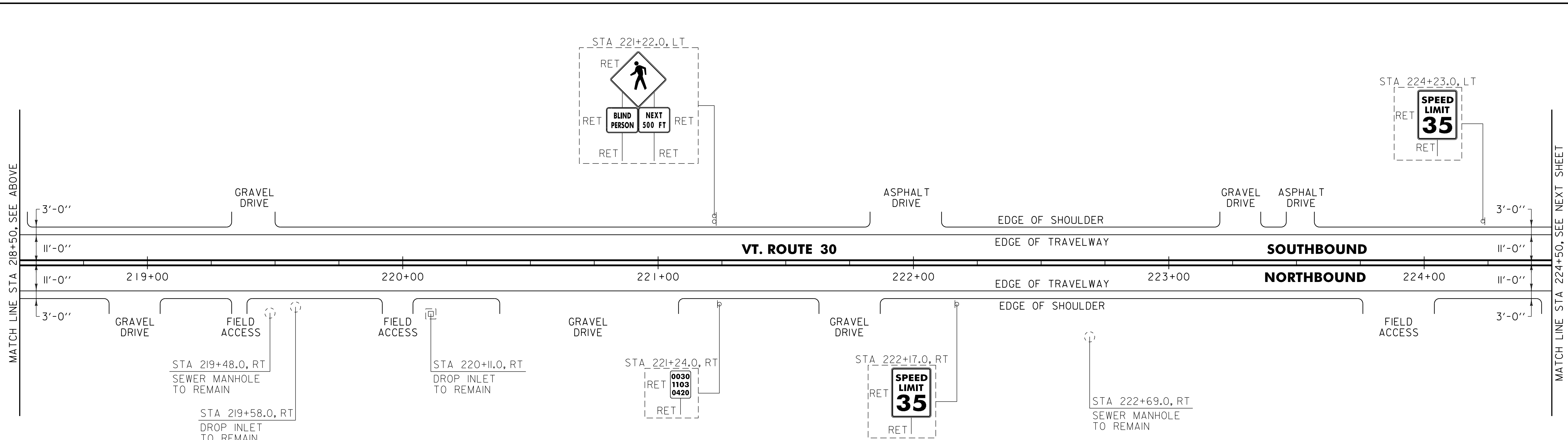
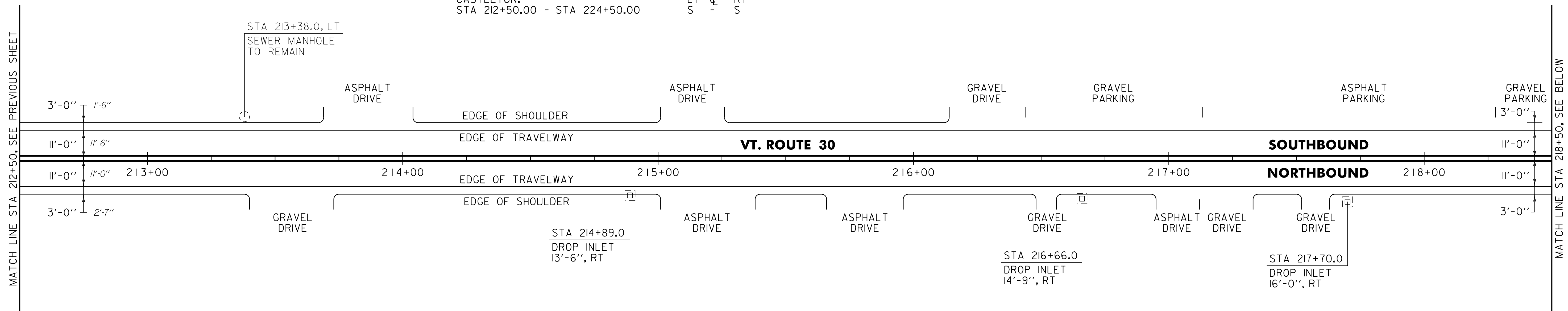
PROJECT LAYOUT SHEET #16	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c212116.i	CHECKED BY: D.E.G. SHEET 144 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 212+50.00 - STA 224+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 212+50.00 - STA 224+50.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 212+50.00 - STA 224+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 212+50.00 - STA 224+50.00 LT C RT
 S - S



NOTE:

I. THE CONTRACTOR SHALL REHAB. THE EXISTING DROP INLETS, CATCH BASINS OR MANHOLES TO A DEPTH AS DIRECTED BY THE RESIDENT ENGINEER. ALL REHAB. WORK WILL BE PAID FOR UNDER THE APPLICABLE REHAB. ITEM AS DIRECTED BY THE RESIDENT ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE RESIDENT ENGINEER.

604.12, 604.415, 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, II, III
 CASTLETON:
 STA 214+89.0 RT
 STA 216+66.0 RT
 STA 217+70.0 RT

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

NOT TO SCALE

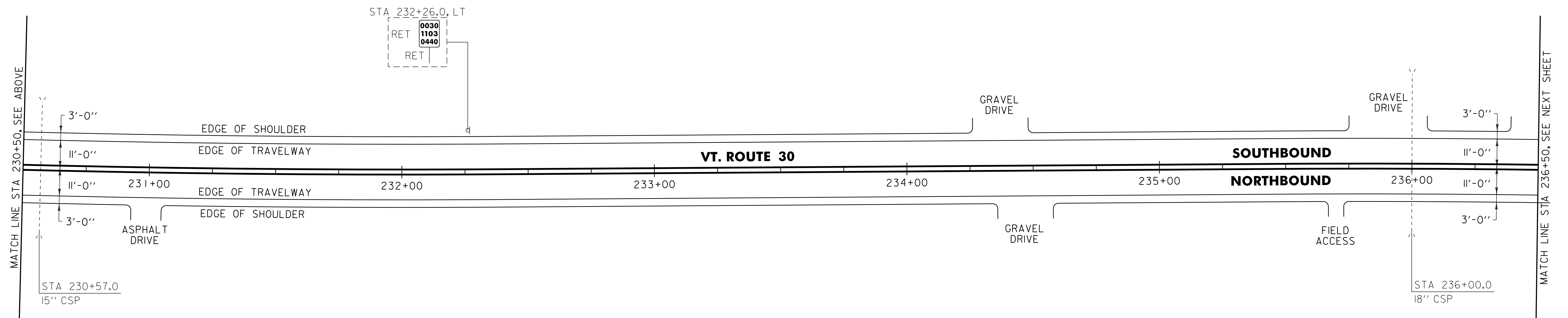
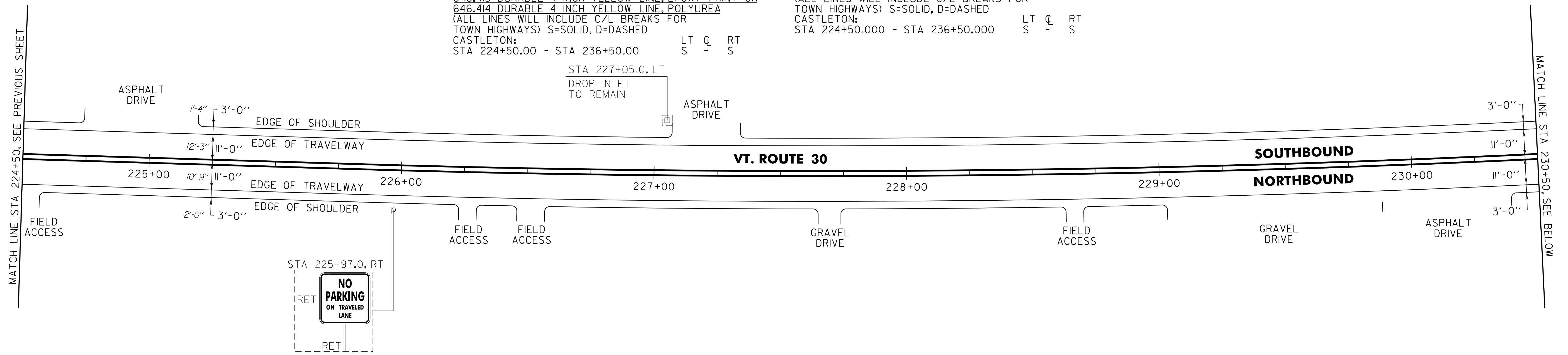
PROJECT LAYOUT SHEET #17	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	PROJECT LEADER: D.E.G.	SHEET 145 OF 152
	DESIGNED BY: M.J.M.	
	IPARM FILE: p10c212117.i	

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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 224+50.00 - STA 236+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 224+50.00 - STA 236+50.00 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 224+50.000 - STA 236+50.000 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 224+50.000 - STA 236+50.000 LT C RT
 S - S



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

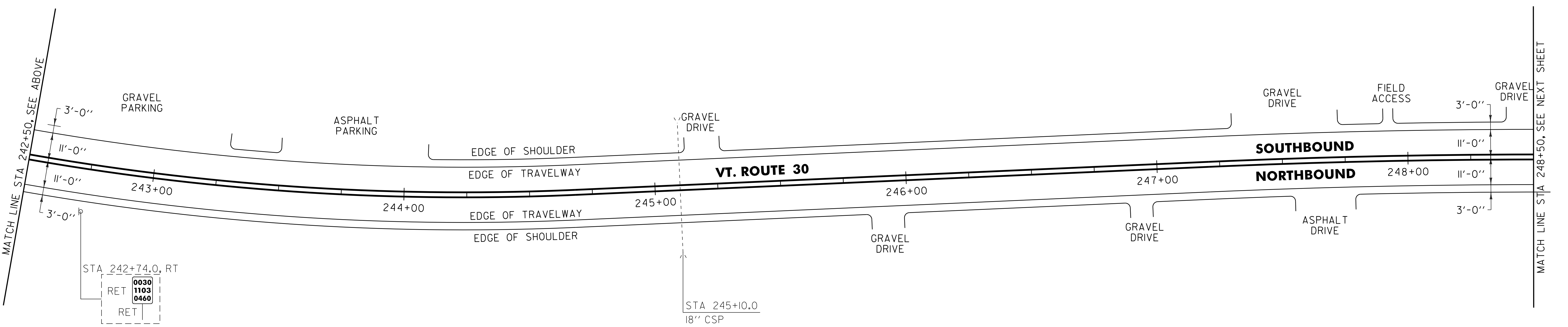
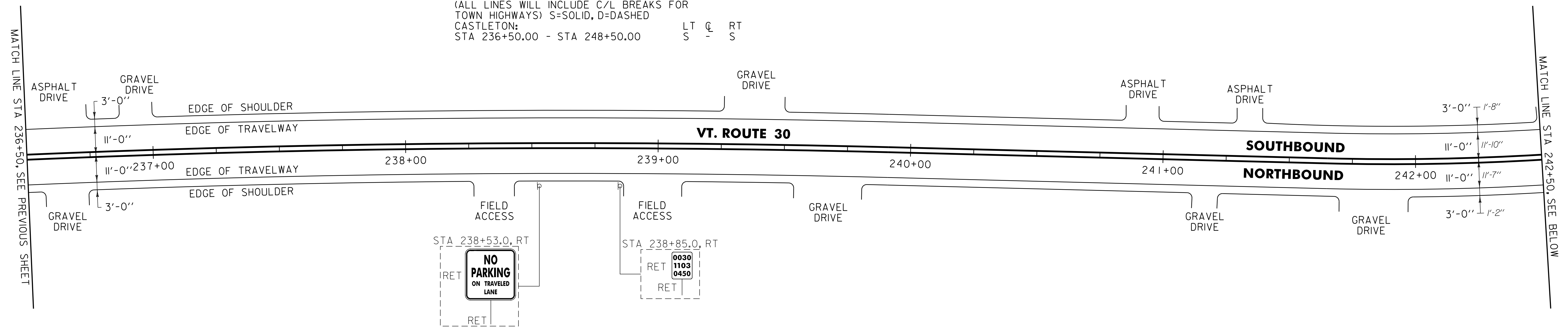
PROJECT LAYOUT SHEET #18	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 146 OF 152
	IPARM FILE: p10c212118.i	

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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 236+50.00 - STA 248+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 236+50.00 - STA 248+50.00 LT CL RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 236+50.00 - STA 248+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 236+50.00 - STA 248+50.00 LT CL RT
 S - S



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

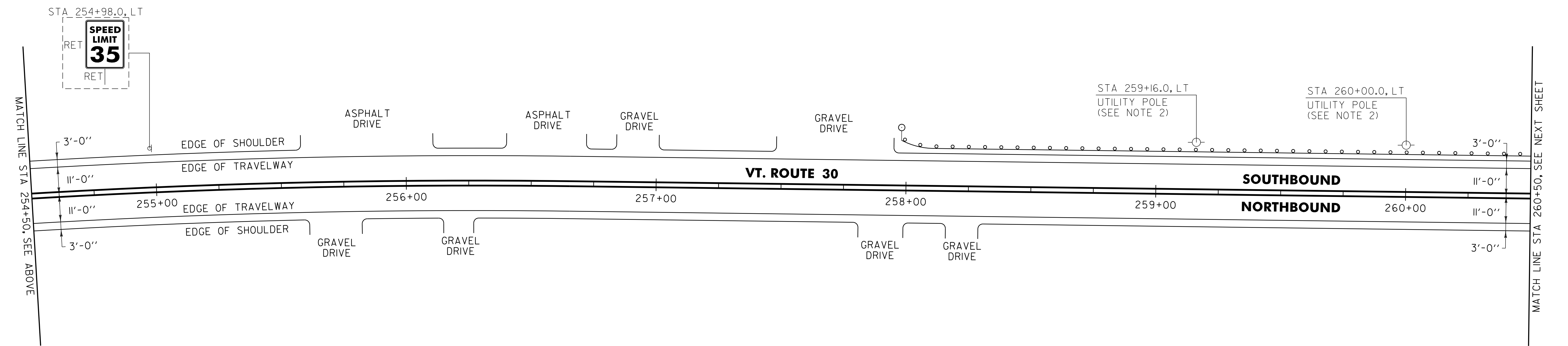
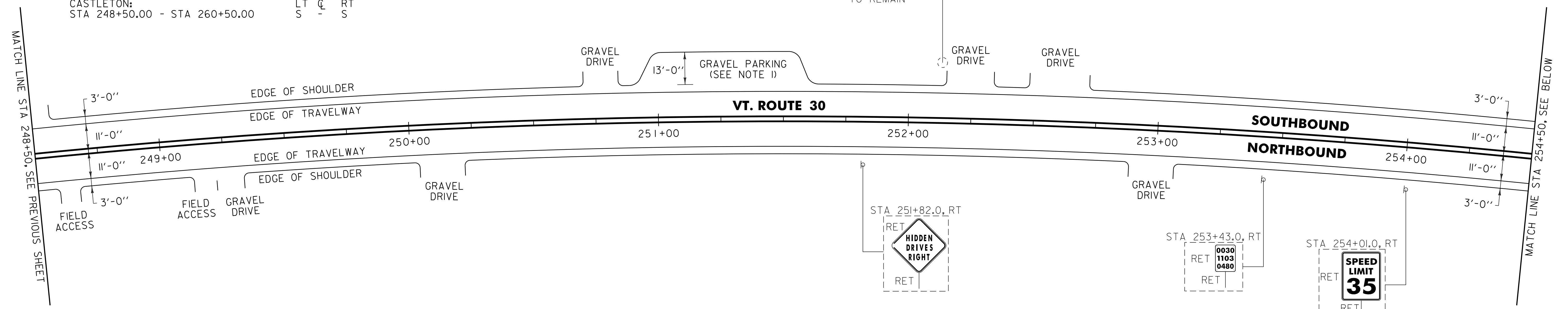
PROJECT LAYOUT SHEET #19	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PROJECT NUMBER: STP 2909(I)
	FILE NAME: p10c212.dgn	PLOT DATE: 04-JUN-2013 09:2
	PROJECT LEADER: D.E.G. DESIGNED BY: M.J.M. IPARM FILE: p10c212119.i	DRAWN BY: W.G.P. CHECKED BY: D.E.G. SHEET 147 OF 152

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 TOWN HIGHWAYS)
 CASTLETON:
 STA 248+50.00 - STA 260+50.00 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 248+50.00 - STA 260+50.00 LT CL RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 248+50.00 - STA 260+50.00 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 248+50.00 - STA 260+50.00 LT CL RT
 S - S



NOTES:

- PROVIDE A 4 FT WIDE, 1 1/2" TYPE IVS APRON FOR THE EXISTING "GRAVEL PARKING". ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
- SEE SHEET 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 CASTLETON:
 STA 257+97.0 - STA 260+50.0 LT (293.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 258+03.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 257+97.0 - STA 260+50.0 LT (253.0 LF)

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 257+97.0 LT

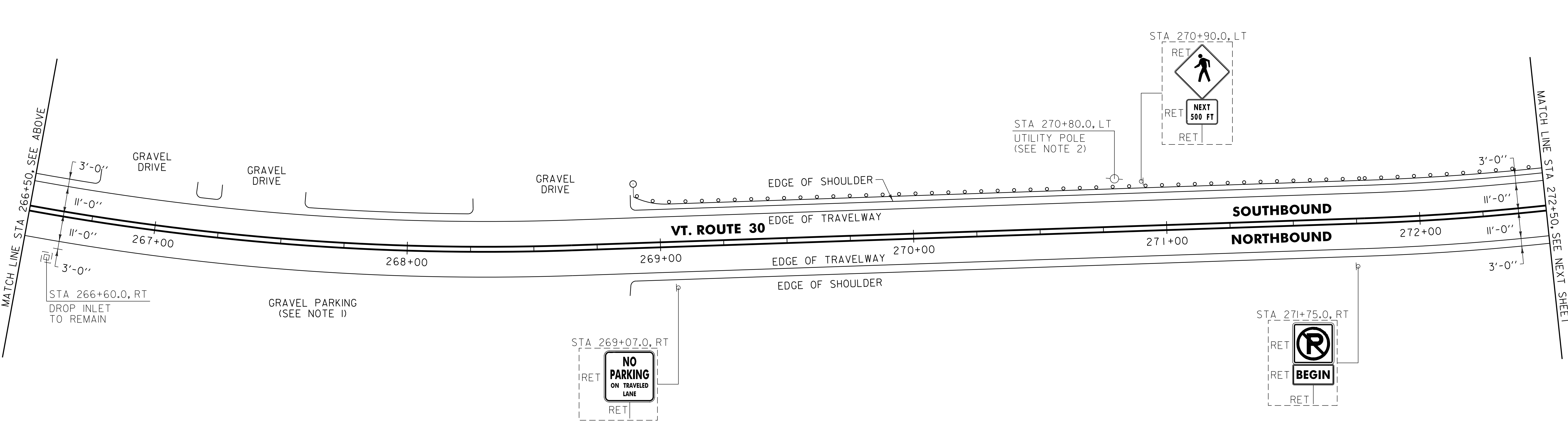
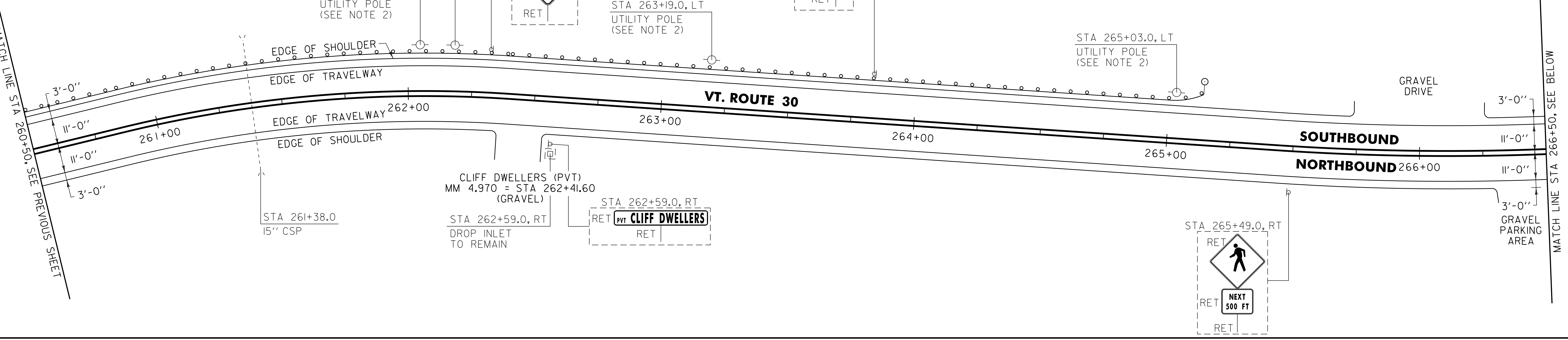
SIGN LEGEND
 R = REMOVE
 S = SALVAGE
 N = NEW
 RET = RETAIN
 B-B = BACK TO BACK
 EXISTING = - - - - -
 NEW = _____

NOT TO SCALE

PROJECT LAYOUT SHEET #20	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 148 OF 152
IPARM FILE: p10c212120.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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 260+50.00 - STA 272+50.00 EDGE LINE LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 260+50.00 - STA 272+50.00 LT C RT
 S - S



NOTES:
 1. PROVIDE A 4 FT WIDE, 1/2" TYPE IVS APRON FOR THE EXISTING "GRAVEL PARKING". ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTD BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITME 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
 2. SEE SHEET 10 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 CASTLETON:
 STA 260+50.0 - STA 265+17.5 LT (528.5 LF)
 STA 268+90.0 - STA 272+50.0 LT (360.0 LF)
 621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 265+11.5 LT
 STA 268+96.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 260+50.0 - STA 265+03.0 LT (453.0 LF)
 STA 268+90.0 - STA 272+50.0 LT (360.0 LF)
 676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 265+17.5 LT
 STA 268+90.0 LT

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

NOT TO SCALE

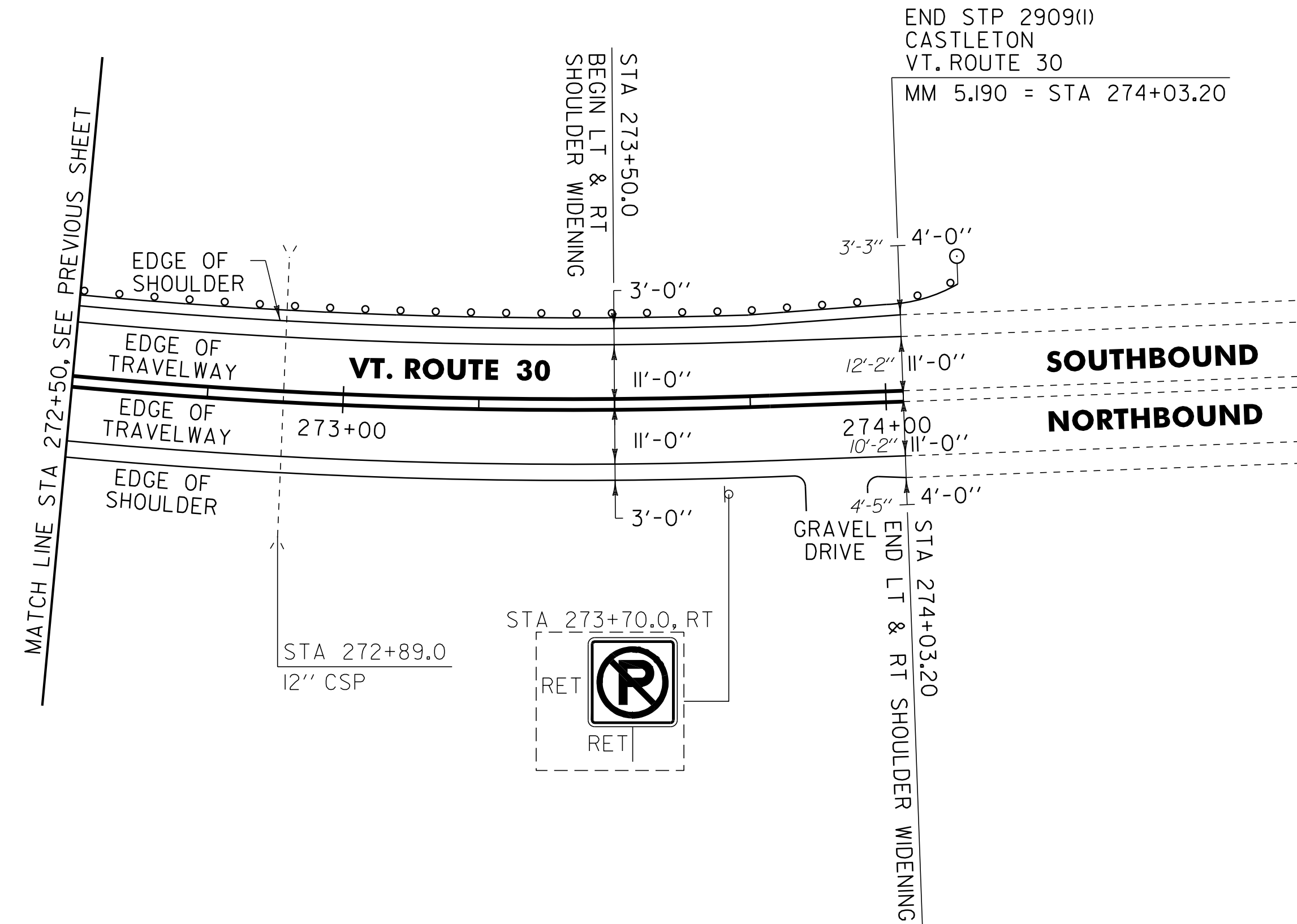
PROJECT LAYOUT SHEET #21	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
	DESIGNED BY: M.J.M.	SHEET 149 OF 152
	IPARM FILE: p10c212121.i	

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
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 272+50.00 - STA 274+03.20 EDGE LINE 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/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 272+50.00 - STA 274+03.20 LT C RT
 S - S

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA 272+50.00 - STA 274+03.20 EDGE LINE LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA 272+50.00 - STA 274+03.20 LT C RT
 S - S



621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
 CASTLETON:
 STA 272+50.0 - STA 274+19.0 (189.0 LF)

621.60 ANCHOR FOR STEEL BEAM RAIL
 CASTLETON:
 STA 274+12.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 CASTLETON:
 STA 272+50.0 - STA 274+14.0 LT (164.0 LF)

676.10 DELINEATOR WITH STEEL POST
 CASTLETON:
 STA 274+19.0 LT

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

PROJECT LAYOUT SHEET #22	NOT TO SCALE	
	PROJECT NAME: CASTLETON	PLOT DATE: 04-JUN-2013 09:2
	PROJECT NUMBER: STP 2909(1)	DRAWN BY: W.G.P.
	FILE NAME: p10c212.dgn	CHECKED BY: D.E.G.
DESIGNED BY: M.J.M.	SHEET 150 OF 152	
IPARM FILE: p10c212122.i		

