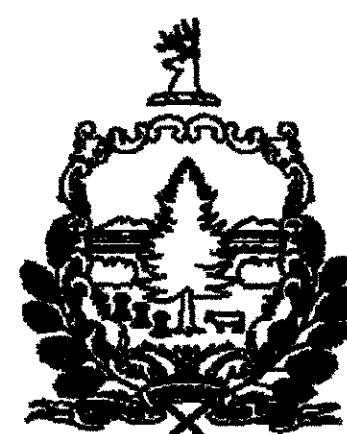


# STATE OF VERMONT AGENCY OF TRANSPORTATION

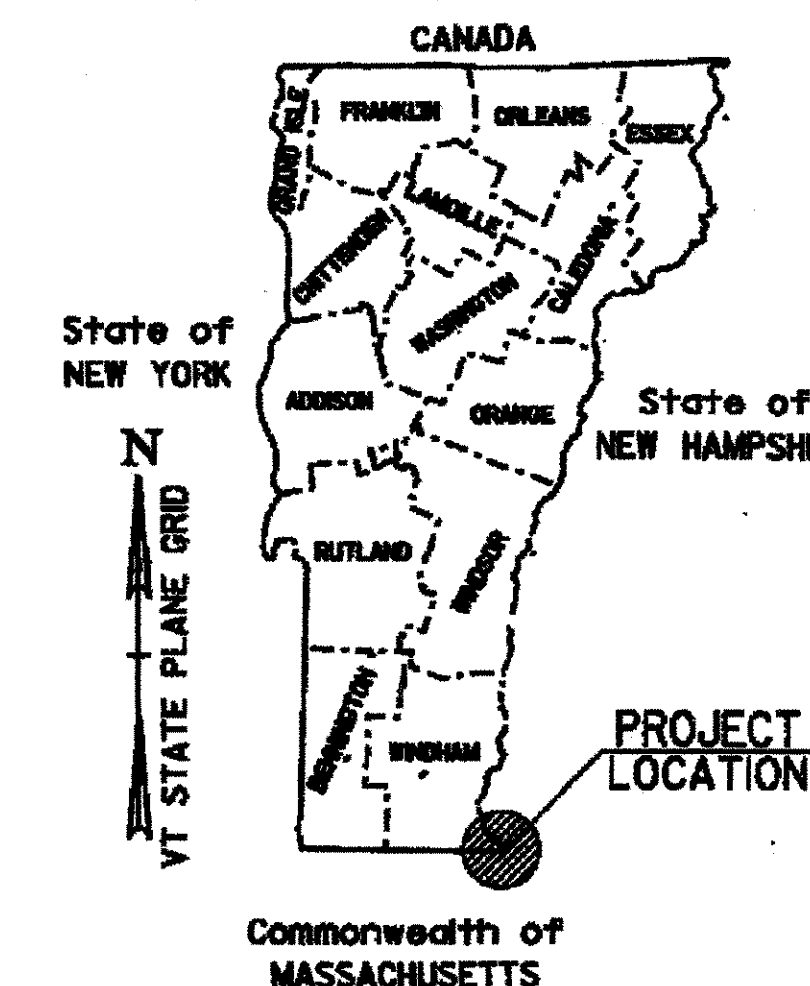


## PROPOSED IMPROVEMENT TOWNS OF VERNON AND BRATTLEBORO COUNTY OF WINDHAM VERMONT ROUTE 142

BEGINNING IN THE TOWN OF VERNON AT THE MASSACHUSETTS/VERMONT STATE LINE ON VERMONT ROUTE 142  
AT STA. 0+000 (M.M. 0.000) AND EXTENDING NORTHERLY ALONG VERMONT ROUTE 142 FOR A DISTANCE OF 15,771.62 METERS  
(9.799 MILES) TO STA. 1+766.62 (M.M. 1.097) IN THE TOWN OF BRATTLEBORO.

MILE MARKER TO MILE MARKER DATA	LENGTH (METERS)	LENGTH (MILES)
TOWN OF VERNON VERMONT ROUTE 142		
STA. 0+000 (M.M. 0.000) - STA. 1+005 (M.M. 8.702)	13,983 14,005 m	8.689 8.702
TOWN OF BRATTLEBORO VERMONT ROUTE 142		
STA. 0+000 (M.M. 0.000) - STA. 1+766.62 (M.M. 1.097)	1,776 1,766.62 m	1.104 1.097
	15,759 15,771.62 m	9.799 9.793
LENGTH OF ROADWAY	15,759 15,771.62 METERS	9.793 9.799 MILES
LENGTH OF PROJECT	15,771.62 METERS	9.799 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY  
WITH A LEVELING COURSE, WEARING COURSE, COLD PLANING, PAVEMENT MARKINGS, GUARDRAIL, AND INCIDENTAL ITEMS.  
ALSO INCLUDED IS THE RECONSTRUCTION OF RAIL ROAD CROSSING AARDOT \* 247-370N.



RECORD PLANS	
CONTRACTOR:	LANE CONSTRUCTION CORP. - MERIDEN, CT
RESIDENT ENGINEER:	FRED ROSS
CONSTRUCTION BEGAN:	SEPTEMBER 5, 2007
CONSTRUCTION COMPLETE:	DECEMBER 15, 2007
RECORD PLANS BY:	FRED ROSS & BEN LOGAN
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	<i>Fred Ross III</i> RESIDENT ENGINEER
DATE:	7-8-09
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Control Files in the electronic archive.	

TRAFFIC DATA	ADT		DHV		ESALS
	2007	2017	2007	2017	
Vernon - Brattleboro - Vt. 142 (M.M. 0.00 to M.M. 1.098)	2007	2017	2007	2017	(2007-2017)
Start to Lily Pond Rd. (M.M. 3.92)	1270	1470	199	229	261,000
Lily Pond Rd. to Tyler Hill Rd. (M.M. 5.67)	2940	3340	428	488	445,000
Tyler Hill Rd. to Cotton Hill Rd. (M.M. 0.69 - Brattleboro)	2600	3100	368	438	409,000
Cotton Hill Rd. to End	2060	2460	290	340	1,645,000

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 :  
SURVEYED DATE :  
  
DATUM  
VERTICAL  
HORIZONTAL



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROJECT 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.  
/pave/98084/pa84.dgn      pa84ts.1



UNLESS NOTED OTHERWISE  
STATIONS ARE IN KILOMETERS  
DIMENSIONS ARE IN MILLIMETERS

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED: <i>Richard J. Johnson</i>	DATE: 6-19-07
PROJECT MANAGER: DOMEY	
PROJECT NAME: VERNON - BRATTLEBORO	
PROJECT NUMBER: AC STP 2126(T)S	
SHEET 1 OF	SHEETS 33

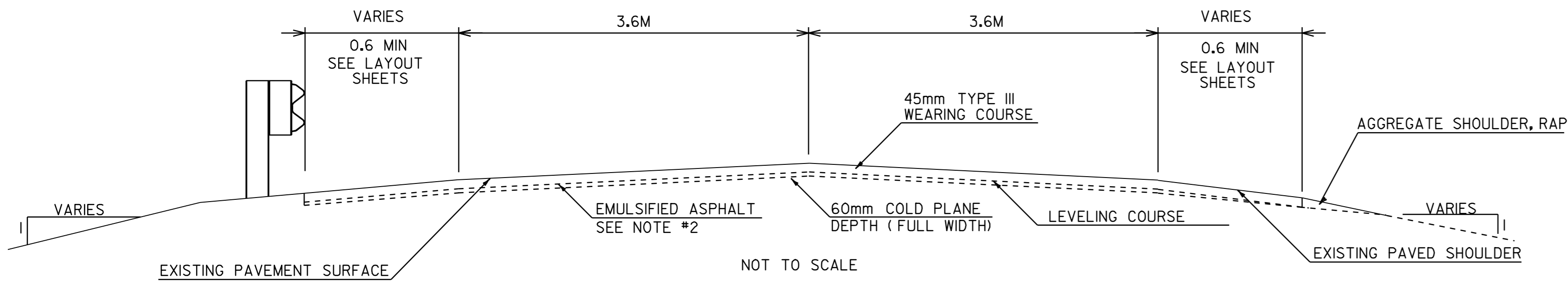
# INDEX OF SHEETS



01	TITLE SHEET
02	INDEX OF SHEETS
03	PROJECT TYPICAL SHEET # 1
04	PROJECT TYPICAL SHEET # 2
05	QUANTITY SHEET # 1
06	QUANTITY SHEET # 2
07	QUANTITY SHEET # 3
08	ITEM DETAIL SHEET # 1
09	ITEM DETAIL SHEET # 2
10	ITEM DETAIL SHEET # 3
11	DITCH CLEANING DETAIL SHEET
12	PROJECT LAYOUT SHEET # 01
13	PROJECT LAYOUT SHEET # 02
14	PROJECT LAYOUT SHEET # 03
15	PROJECT LAYOUT SHEET # 04
16	PROJECT LAYOUT SHEET # 05
17	PROJECT LAYOUT SHEET # 06
18	PROJECT LAYOUT SHEET # 07
19	PROJECT LAYOUT SHEET # 08
20	PROJECT LAYOUT SHEET # 09
21	PROJECT LAYOUT SHEET # 10
22	PROJECT LAYOUT SHEET # 11
23	PROJECT LAYOUT SHEET # 12
24	SIGN SUMMARY SHEET # 1
25	SIGN SUMMARY SHEET # 2
26	SIGN SUMMARY SHEET # 3
27	SIGN SUMMARY SHEET # 4
28	SIGN SUMMARY SHEET # 5
29	REDUCED POST SPACING DETAIL SHEET
30	ASPHALTIC PLUG JOINT DETAIL SHEET
31	RAILROAD DETAIL SHEET #1
32	RAILROAD DETAIL SHEET #2
33	CONSTRUCTION APPROACH SIGNING SHEET

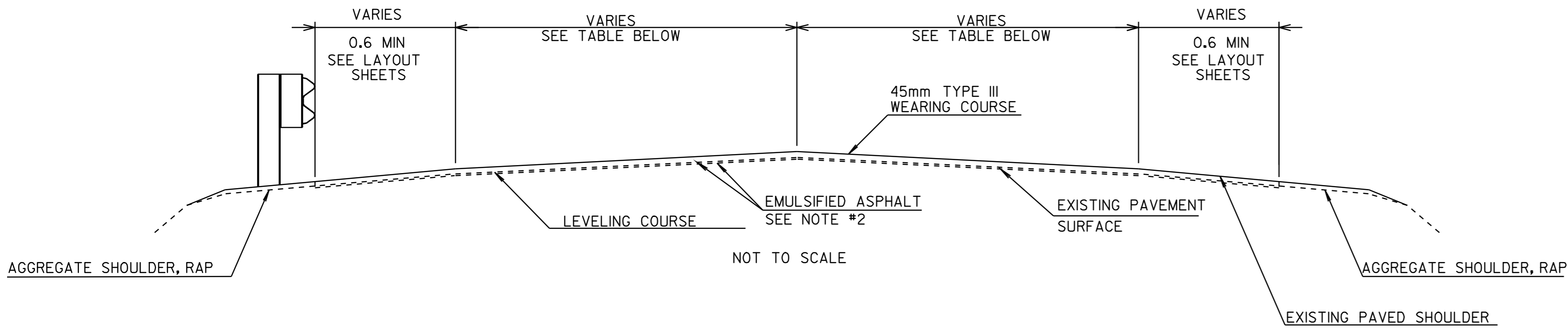
STANDARD	DESCRIPTION	DATE
D-1	PRECAST RCP DROP INLET REINFORCED CONCRETE PIPE D. I. W/ CAST IRON GRATE	6/01/94
D-6	REINFORCED CONCRETE PIPE D. I. W/ CONCRETE COVER	6/01/94
D-8	REINF. CONCRETE DROP INLET W/GRATE (DITCHES)	1/3/00
	REINFORCED CONCRETE DROP INLET WITH PRECAST COVER & GRATE (BOTTOM SECTION)	
	SEE SHEETS D-9,10,11 FOR TOP SECTION	
D-15	PRECAST REINF. CONC. MANHOLE GRATES (BICYCLE SAFE)	6/01/94
	CAST IRON GRATE WITH FRAME, TYPE D	
	CAST IRON GRATE WITH FRAME, TYPE E	
E-100	CONSTRUCTION APPROACH SIGNS	1/02/04
E-101	CONSTRUCTION SIGN DETAILS	5/30/03
E-102	CONSTRUCTION SIGN DETAILS	6/30/03
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	3/01/04
E-107	DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY	6/30/03
E-107A	BREAKAWAY BARRICADE DETAILS	8/08/95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	8/08/95
E-111	MINOR MAINTENANCE OPERATION	3/11/97
E-120	STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY	8/08/95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	8/08/95
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	3/16/04
E-131	GUIDE SIGN DETAILS	08/08/95
E-141	REGULATORY SIGN DETAILS	9/20/95
E-143	REGULATORY SIGN DETAILS	6/15/04
E-155	WARNING SIGN DETAILS	5/01/04
E-160	FLANGED CHANNEL STEEL SIGN POST	5/20/99
E-164	SQUARE STEEL SIGN POST	5/20/99
E-175	POWER DROP STANCHIONS	11/17/93
E-190	RAILROAD CROSSING SIGNS AND PAVEMENT MARKINGS	6/30/03
E-191	PAVEMENT MARKING DETAILS	2/1/99
E-193	PAVEMENT MARKING DETAILS	8/18/95
G-1	STEEL BEAM GUARDRAIL (50MPH & OVER) HEAVY DUTY STEEL BEAM GUARDRAIL TWISTED END TERMINAL	1/3/00
G-10	ANCHOR FOR STEEL BEAM RAIL STEEL BEAM GUARDRAIL (40MPH & LESS) HEAVY DUTY STEEL BEAM GUARDRAIL STEEL BEAM MEDIAN BARRIER ANCHOR FOR STEEL BEAM RAIL	1/3/00
G-16	STEEL BEAM GUARDRAIL ATTACHMENTS TO EXISTING BRIDGE TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL	6/01/94
SB-R6-82M	BRIDGE RAILING - HEAVY DUTY STEEL BEAM	7/10/97
SB-R7-90M	BRIDGE RAILING - HEAVY DUTY STEEL BEAM	7/10/97

PROJECT NAME:	<b>VERNON - BRATTLEBORO</b>		
PROJECT NUMBER:	<b>AC STP 2126(1)S</b>		
FILE NAME: <u>/pave/98cl84/pcl84.dgn</u>	PLOT DATE:	08-SEP-2009 13:3	
PROJECT LEADER:	DRAWN BY:	WILDER	
IPARM NAME: <u>pcl84ls.l</u>	CHECKED BY:	PAVI.MGMI	
	SHEET	2	OF 33



**COLD PLANE TYPICAL SECTION**

- VT. ROUTE 142 - VERNON - STA. 0+000 TO STA. 1+319
- VT. ROUTE 142 - VERNON - STA. 1+770 TO STA. 2+230
- VT. ROUTE 142 - VERNON - STA. 4+552 TO STA. 5+700
- VT. ROUTE 142 - VERNON - STA. 12+300 TO STA. 14+005
- VT. ROUTE 142 - BRATTLEBORO - STA. 0+000 TO STA. 0+439
- VT. ROUTE 142 - BRATTLEBORO - STA. 1+400 TO STA. 1+767



**OVERLAY TYPICAL SECTION**

- VT. ROUTE 142 - VERNON - STA. 1+319 TO STA. 1+770
- VT. ROUTE 142 - VERNON - STA. 2+230 TO STA. 4+552
- VT. ROUTE 142 - VERNON - STA. 5+700 TO STA. 12+300
- VT. ROUTE 142 - BRATTLEBORO - STA. 0+439 TO STA. 1+400

**PROJECT PAVING LIMITS**

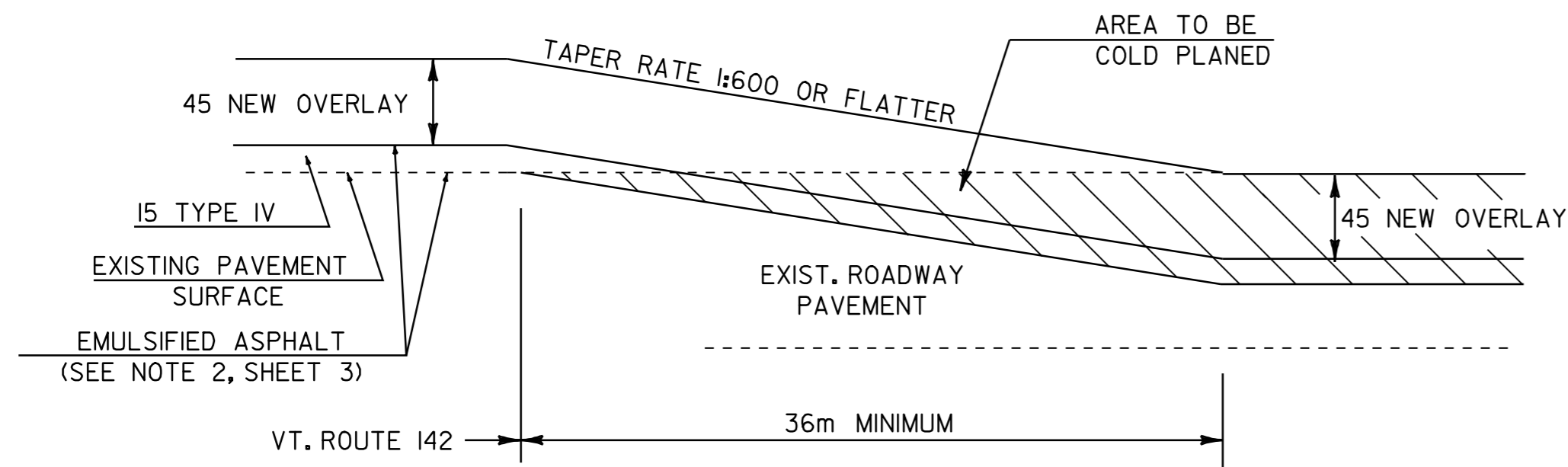
TOWN VT. ROUTE 142	BEGIN STATION	END STATION	LANE TYPICAL (m)	WEARING DEPTH (mm)	LEVELING (mm)	NOTES
VERNON	0+000	1+319	0.9 - 3.3 - 3.3 - 0.9	45	15	COLD PLANE 60mm FULL WIDTH LEVEL, PAVE WITH 45mm TYPE III
VERNON	1+319	1+770	VARIES - 3.3 - 3.3 - VARIES	45	15	LEVEL, PAVE WITH 45mm TYPE III
VERNON	1+770	2+230	VARIES - 3.3 - 3.3 - VARIES	45	15	COLD PLANE 60mm FULL WIDTH LEVEL, PAVE WITH 45mm TYPE III
VERNON	2+230	4+552	VARIES - 3.6 - 3.6 - VARIES	45	15	LEVEL, PAVE WITH 45mm TYPE III
VERNON	4+552	5+700	1.2 - 3.3 - 3.3 - 1.2	45	15	COLD PLANE 60mm FULL WIDTH LEVEL, PAVE WITH 45mm TYPE III
VERNON	5+700	12+300	1.2 - 3.3 - 3.3 - 1.2	45	15	LEVEL, PAVE WITH 45mm TYPE III
VERNON	12+300	14+005	1.2 - 3.3 - 3.3 - 1.2	45	15	COLD PLANE 60mm FULL WIDTH LEVEL, PAVE WITH 45mm TYPE III
BRATTLEBORO	0+000	0+439	0.6 - 3.3 - 3.3 - 0.6	45	15	COLD PLANE 60mm FULL WIDTH LEVEL, PAVE WITH 45mm TYPE III
BRATTLEBORO	0+439	1+400	0.6 - 3.3 - 3.3 - 0.6	45	15	LEVEL, PAVE WITH 45mm TYPE III
BRATTLEBORO	1+400	1+766.62	0.6 - 3.3 - 3.3 - 0.6	45	15	COLD PLANE 60mm FULL WIDTH LEVEL, PAVE WITH 45mm TYPE III

**NOTES**

- THE PAVEMENT WEARING COURSE SHALL BE TYPE III AND THE LEVELING COURSE SHALL BE TYPE IV, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING. AN ESTIMATED PAVEMENT THICKNESS OF 15mm HAS BEEN INCLUDED. PAVEMENT SHALL BE PG 64-28.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/SM OR AS DIRECTED BY THE ENGINEER.
- BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 5mm +/- (TOTAL THICKNESS EXCLUDING LEVELING COURSE).
- COLD PLANING SHALL BE COMPLETED ACCORDING TO DETAIL SHOWN. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGINNING/END AND AT ALL SIDE ROAD APPROACHES AS NOTED ON THESE PLANS OR AS DIRECTED BY THE ENGINEER. A TEMPORARY ASPHALT FILLET SHALL BE PLACED AT ALL BUTT JOINTS AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS TEMPORARY FILLET SHALL BE CONSIDERED INCIDENTAL TO ITEM 210.10 COLD PLANING BITUMINOUS CONCRETE PAVEMENT.
- ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP THE NEW EDGE OF PAVEMENT.
- ALL TOWN HIGHWAYS WITHIN COLD PLANE AREAS WILL BE COLD PLANED AND PAVED 8m BACK FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN ON THESE PLANS OR AS DIRECTED BY THE ENGINEER.
- ALL DRIVES SHALL RECEIVE A 1METER PAVED APRON OR AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 402.13 AGGREGATE SHOULDERS, RAP A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID UNDER ITEM 406.25, BITUMINOUS CONCRETE PAVEMENT (PG 64-28). QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
- GRASS GROWING ADJACENT TO PAVEMENT, OR THROUGH CRACKS IN THE PAVEMENT, WHICH MAY HAMPER PLACEMENT OF NEW BITUMINOUS CONCRETE, SHALL BE REMOVED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 406.25, BITUMINOUS CONCRETE PAVEMENT.
- AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING MTS FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75mm DEPTH OF AGGREGATE SHOULDER, RAP UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 CUBIC METERS OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDER, RAP FOR EACH GUARDRAIL TERMINAL.
- EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF 75mm OR AS DIRECTED BY THE ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS SUCH AS ALL PURPOSE EXCAVATOR RENTAL, GRADER RENTAL, LOADER RENTAL, TRUCK RENTAL, AND POWER BROOM RENTAL. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH AGGREGATE SHOULDER, RAP.
- YIELDING MARKER POSTS, ITEM 619.17, SHALL BE USED TO DELINEATE PIPE INLETS AND OUTLETS ONLY.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.

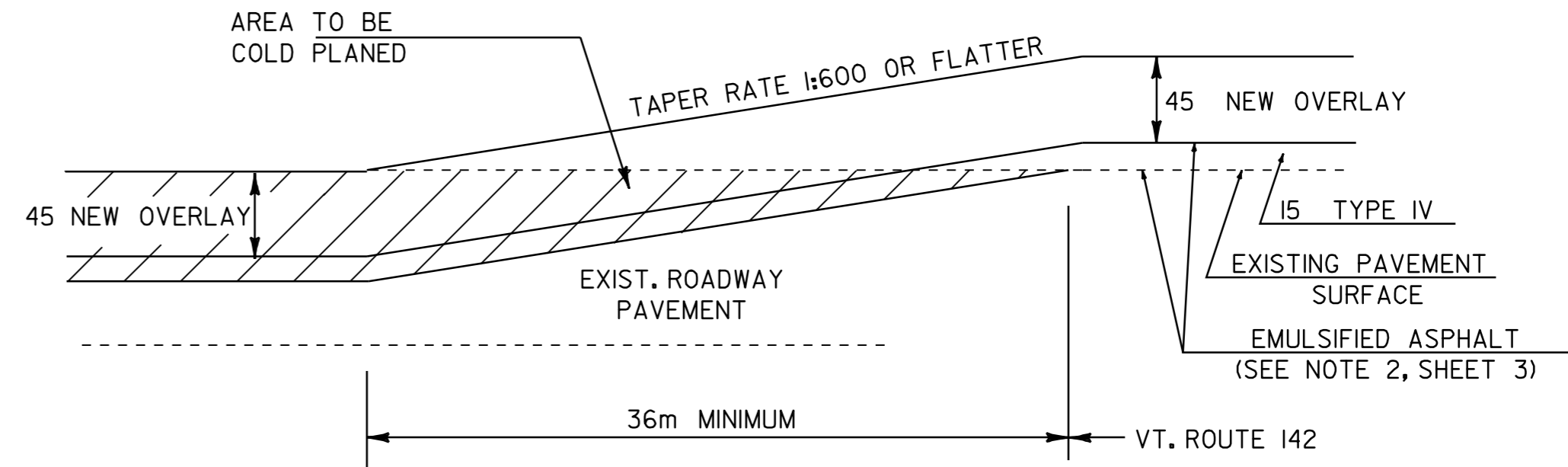
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

<b>PROJECT TYPICAL SHEET # 1</b>	PROJECT NAME :	PROJECT NO. :
	<b>VERNON - BRATTLEBORO AC STP 2126(1)S</b>	
	DESIGN FILE NAME: /pave/98cl84/pci84.dgn	PLOT DATE: 08-SEP-2009
	IPARM FILE NAME: pci84p+1.l	SURVEY DATE:
	SURVEYED BY: WILDER/LOCKE	DRAWN BY: WILDER
	SQUAD LEADER:	SHEET: 3 OF 33



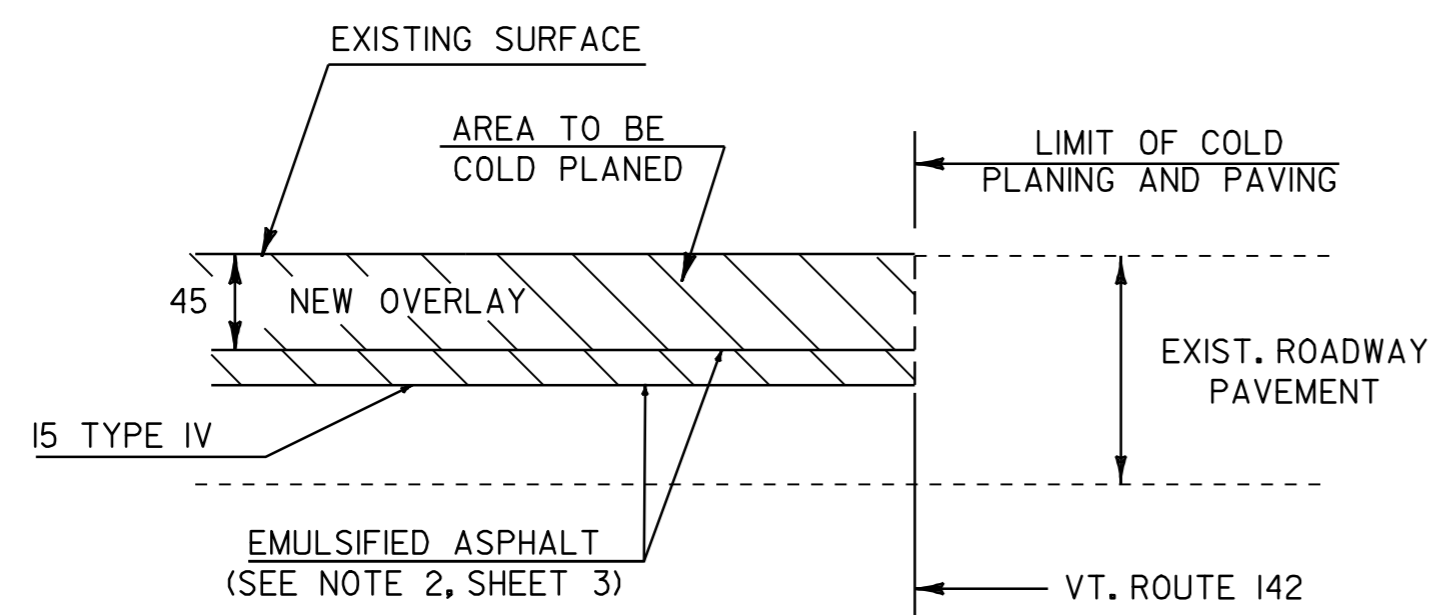
**TRANSITION DETAIL**

VT. ROUTE 142 (VERNON) STA. 1+734 TO STA. 1+770  
 VT. ROUTE 142 (VERNON) STA. 4+516 TO STA. 4+552 - 4+530~4+566  
 VT. ROUTE 142 (VERNON) STA. 12+264 TO STA. 12+300 - 12+214~12+250  
 VT. ROUTE 142 (BRATTLEBORO) STA. 1+364 TO STA. 1+400 - 1+398~1+434  
~~VT. ROUTE 142 (BRATTLEBORO) STA. 1+400 TO STA. 1+766.62~~



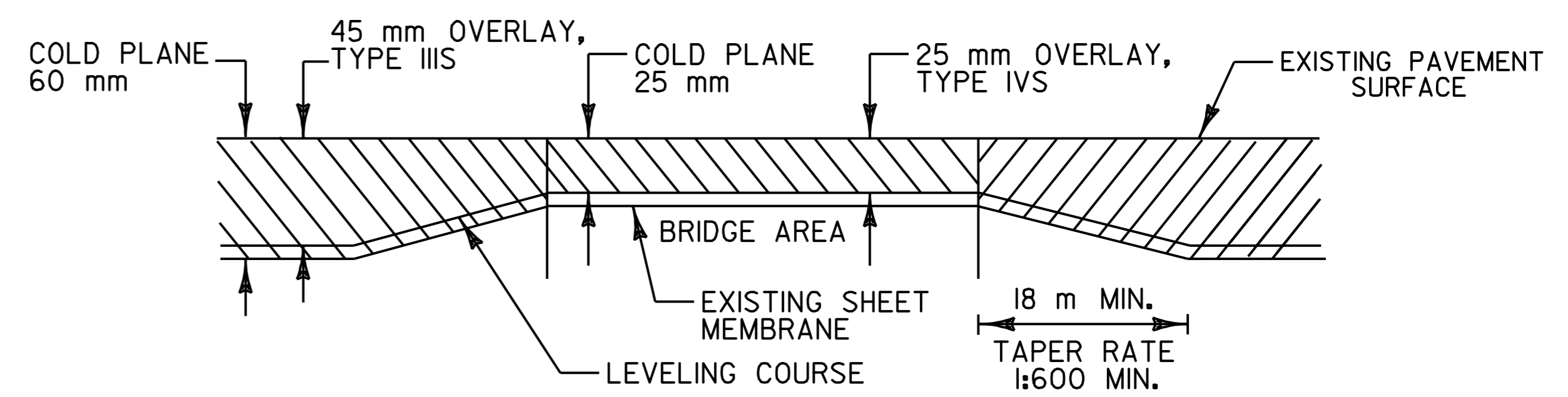
**TRANSITION DETAIL**

~~VT. ROUTE 142 (VERNON) STA. 1+319 TO STA. 1+355 - 1+300~1+336~~  
~~VT. ROUTE 142 (VERNON) STA. 2+230 TO STA. 2+266 - 2+030~2+066~~  
 VT. ROUTE 142 (VERNON) STA. 5+700 TO STA. 5+736  
 VT. ROUTE 142 (BRATTLEBORO) STA. 0+439 TO STA. 0+475 - 0+412~0+448



**APPROACH AREA DETAIL**

VT. ROUTE 142 (VERNON) STA. 0+000 - STA. 1+319 - 0+015.5~1+300 WORK STARTS IN MASSACHUSETTS.  
 VT. ROUTE 142 (VERNON) STA. 1+770 - STA. 2+230 - 2+030  
 VT. ROUTE 142 (VERNON) STA. 4+552 - STA. 5+700 - 4+566~5+700  
 VT. ROUTE 142 (VERNON) STA. 12+300 - STA. 14+005 - 12+250~13+983  
 VT. ROUTE 142 (BRATTLEBORO) STA. 0+000 - STA. 0+439 - 0+412  
 VT. ROUTE 142 (BRATTLEBORO) STA. 1+400 - STA. 1+766.62 - 1+434~1+778



BRIDGE 6 VERNON STA. 13+378 (MM 8 .31)

**COLD PLANING TRANSITIONS**

THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT THE CURB LINE AND IN THE EXPANSION JOINTS AT THE END OF THE BRIDGE. THE CONTRACTOR SHALL EXAMINE THESE FEATURES ON A REGULAR BASIS TO ENSURE THAT DEBRIS HAS NOT ACCUMULATED. ANY DEBRIS WHICH IS PRESENT SHALL BE REMOVED BY THE CONTRACTOR AT NO COST TO THE STATE THE SAME DAY IT IS NOTICED BY THE CONTRACTOR.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

<b>PROJECT TYPICAL SHEET # 2</b>	PROJECT: <b>VERNON - BRATTLEBORO</b>	PROJECT NO. : <b>AC STP 2126(1)S</b>
	FILE NAME: /pave/98cl84/pol84.dgn	PLOT DATE: 08-SEP-2009
	IPARM FILE NAME: pol84pt2.1	SURVEY DATE:
	SURVEYED BY: WILDER/LOCKE	DRAWN BY: WILDER
	SQUAD LEADER:	SHEET: 4 OF 33







STATE OF VERMONT  
AGENCY OF TRANSPORTATION

ITEM DETAIL SHEET # 1



BEGIN STATION	END STATION	POS.	203.30 EARTH BORROW CM	402.13 AGG. SHOULDER RAP T	601.0910 375mm CPEP M	604.40 CHANGE ELEV. D.I. EA	604.412 REHAB. D.I. CLASS I EA	604.42 CHANGE ELEV. SMH EA	616.35 TREATED TIMBER CURB M	616.47 BIT. CONC. GUTTER & TRAF. ISL. T	621.20 STEEL BEAM RAIL M	621.205 2.4M POST BEAM G. R. M	621.50 M.T.S. EA	621.60 G.R. ANCHOR EA	621.80 REMOVE & DISP. G.R. M	REMARKS	
VERNON																	
0+895.6	0+907	RT	20	5													INSTALL NEW MANUFACTURED TERMINAL SECTION
0+907	0+930	RT									23				23		REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL.
0+907		LT	20	5							9.8			2			INSTALL (2) NEW 4.8 M RADIUS PANELS W/(2) NEW ANCHORS
0+907	0+922	LT									15						INSTALL NEW STEEL BEAM GUARD RAIL
0+922	0+933.4	LT	20	5													INSTALL NEW MANUFACTURED TERMINAL SECTION
0+930	0+941.4	RT	20	5													INSTALL NEW MANUFACTURED TERMINAL SECTION
I+848		LT															REHAB D.I.
I+856		RT															REHAB D.I.
I+897		LT															REHAB D.I.
2+570.6	2+607	RT									37						INSTALL NEW STEEL BEAM GUARD RAIL, BURY APPROACH END TREATMENT IN BACK SLOPE
2+588	2+607	RT														19	REMOVE AND DISPOSE EXISTING GUARD RAIL
2+607	2+618.4	RT	20	5													INSTALL NEW MANUFACTURED TERMINAL SECTION
2+897.6	2+927	RT	20	5													INSTALL NEW MANUFACTURED TERMINAL SECTION
2+909	2+927	RT									18					18	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL.
2+927		RT	20	5							9.8			2			INSTALL (2) NEW 4.8 M RADIUS PANELS W/(2) NEW ANCHORS
3+207		LT	20	5							9.8			2			INSTALL (2) NEW 4.8 M RADIUS PANELS W/(2) NEW ANCHORS
3+207	3+397	LT									190						INSTALL NEW STEEL BEAM GUARD RAIL
3+397		LT	20	5							9.8			2			INSTALL (2) NEW 4.8 M RADIUS PANELS W/(2) NEW ANCHORS
6+131	6+280	RT										149				149	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL W/2.4 M POSTS
6+131		RT	20	5							9.8			2			INSTALL (2) NEW 4.8 M RADIUS PANELS W/(2) NEW ANCHORS
6+131	6+227	RT							96								INSTALL NEW TREATED TIMBER CURB
6+181		LT															REHAB D.I.
6+216		RT															REHAB D.I.
6+228	6+267	RT							39								INSTALL NEW TREATED TIMBER CURB
6+232		LT															REHAB D.I.
6+254		LT															REHAB D.I.
6+280		RT															
6+795		RT															CHANGE ELEVATION OF SEWER MAN HOLE
7+072.6	7+184.4	RT							89		113			2	89		REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL AND TREATED TIMBER CURB BURY ENDS IN BACK SLOPE
7+115		RT															REHAB D.I.
7+123		LT															REHAB D.I.
7+173		RT															
	SUBTOTALS		200	50					9	1	224		445	149	5	15	298

ITEM  
DETAIL  
SHEET # 1

PROJECT NAME :	VERNON - BRATTLEBORO	PROJECT NO. :	AC STP 2126(1)S
DESIGN FILE NAME:	/pave/98cl84/pol84.dgn	PLOT DATE:	08-SEP-2009
IPARM FILE NAME:	pol841dl.l	SURVEY DATE:	
SURVEYED BY:	WILDER/LOCKE	DRAWN BY:	WILDER
SQUAD LEADER:		SHEET	8 OF 33

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

ITEM DETAIL SHEET # 2



BEGIN STATION	END STATION	POS.	203. 30 EARTH BORROW CM	402. 13 AGG. SHOULDER, RAP T	601. 0910 375mm CPEP M	604. 40 CHANGE ELEV. D.I. EA	604. 412 REHAB. D.I. CLASS I EA	604. 42 CHANGE ELEVAT. SMH EA	616. 35 TREATED TIMBER CURB M	616. 47 BIT. CONC. GUTTER & TRAF. ISL. T	621. 20 STEEL BEAM RAIL M	621. 205 2. 4M POST BEAM G. R. M	621. 50 M.T.S. EA	621. 60 G.R. ANCHOR EA	621. 80 REMOVE & DISP. G.R. M	REMARKS
9+359.6	9+371	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
9+371	9+449	RT									78					INSTALL NEW STEEL BEAM GUARD RAIL
9+380	9+454	RT													74	REMOVE AND DISPOSE EXISTING GUARD RAIL
9+449	9+460.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
10+789		RT														REHAB D.I.
10+858		RT														REHAB D.I.
10+984.6	10+996	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
10+996	11+157	RT									161				161	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL
11+157	11+168.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
11+252.6	11+264	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
11+261	11+407	RT													146	REMOVE AND DISPOSE EXISTING GUARD RAIL
11+264	11+407	RT									143					INSTALL NEW STEEL BEAM GUARD RAIL
11+407	11+418.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
11+607.6	11+619	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
11+616	12+256	RT													640	REMOVE AND DISPOSE EXISTING GUARD RAIL
11+619	12+245	RT									626					INSTALL NEW STEEL BEAM GUARD RAIL
11+914	12+087	RT							173							INSTALL NEW TREATED TIMBER CURB
12+024		RT														REHAB D.I.
12+086		RT														REHAB D.I.
12+245	12+256.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
12+294		LT														REHAB D.I.
12+297	12+461	RT													164	REMOVE AND DISPOSE EXISTING GUARD RAIL
12+302		RT												I		END TREATMENT BURIED IN BACK SLOPE
12+302	12+461	RT	20	5								159		I		INSTALL NEW STEEL BEAM GUARD RAIL GALVANIZED W/2.4 M POSTS. NEW ANCHOR AT STA. 12+461 RT.
12+473	12+890	RT										417			417	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL GALVANIZED W/2.4 M POSTS.
12+473		RT	20	5							9.8			2		INSTALL (2) NEW 4.8 M RADIUS PANELS W/ (2) NEW ANCHORS
12+573		LT														REHAB D.I.
12+890	12+901.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
13+252		LT														REHAB D.I.
13+306.6	13+318	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
13+318	13+345	RT									27				27	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL
13+390	13+412	LT									22				22	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL
13+390	13+551	RT									161				161	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL
13+412		LT	20	5							9.8			2		INSTALL (2) NEW 4.8 M RADIUS PANELS W/ (2) NEW ANCHORS
	SUBTOTALS		260	65					7	173	1237.6	576	10	6	1812	

<b>ITEM DETAIL SHEET # 2</b>	PROJECT NAME :	PROJECT NO. :
	<b>VERNON - BRATTLEBORO</b>	<b>AC STP 2126(1)S</b>
	DESIGN FILE NAME: /pave/98cl84/pol84.dgn IPARM FILE NAME: pol84id2.1 SURVEYED BY: WILDER/LOCKE SQUAD LEADER:	PLOT DATE: 08-SEP-2009 SURVEY DATE: DRAWN BY: WILDER SHEET 9 OF 33

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

ITEM DETAIL SHEET # 3



BEGIN STATION	END STATION	POS.	203.30 EARTH BORROW CM	402.13 AGG. SHOULDER RAP T	601.0910 375mm CPEP M	604.40 CHANGE ELEV. D.I. EA	604.412 REHAB. D.I. CLASS I EA	604.42 CHANGE ELEVAT. SMH EA	616.35 TREATED TIMBER CURB M	616.47 BIT. CONC. GUTTER & TRAF. ISL. T	621.20 STEEL BEAM RAIL M	621.205 2.4M POST BEAM G. R. M	621.50 M.T.S. EA	621.60 G.R. ANCHOR EA	621.80 REMOVE & DISP. G.R. M	REMARKS
I3+55I	I3+562.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
BRATTLEBORO																
0+146		LT					I									REHAB D.I.
0+380.6	0+392	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
0+392	0+726	RT										334				INSTALL NEW STEEL BEAM GUARD RAIL W/2.4 M POSTS
0+403	0+726	RT													323	REMOVE AND DISPOSE EXISTING GUARD RAIL
0+542		LT					I									REHAB D.I.
0+619		LT					I									REHAB D.I.
0+676		LT					I									REHAB D.I.
0+714		LT					I									REHAB D.I.
0+726		RT												I		END TREATMENT BURIED IN BACK SLOPE
0+770		LT					I									REHAB D.I.
0+837		RT												I		BURY END TREATMENT IN BACK SLOPE
0+836		LT					I									REHAB D.I.
0+837	I+210	RT													373	REMOVE AND DISPOSE EXISTING GUARD RAIL
0+837	I+390	RT										553				INSTALL NEW STEEL BEAM GUARD RAIL W/2.4 M POSTS
0+921		LT					I									REHAB D.I.
I+179		LT					I									REHAB D.I.
I+240.6	I+252	LT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
I+248	I+390	RT													142	REMOVE AND DISPOSE EXISTING GUARD RAIL
I+252	I+300	LT									48					INSTALL NEW STEEL BEAM GUARD RAIL
I+252	I+368	LT													116	REMOVE AND DISPOSE EXISTING GUARD RAIL
I+300	I+368	LT										68				INSTALL NEW STEEL BEAM GUARD RAIL W/2.4 M POSTS
I+368	I+379.4	LT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
I+390	I+401.4	RT	20	5									I			INSTALL NEW MANUFACTURED TERMINAL SECTION
I+515		RT						I								CHANGE ELEVATION OF SEWER MAN HOLE
I+554		RT						I								CHANGE ELEVATION OF SEWER MAN HOLE
I+564		RT						I								CHANGE ELEVATION OF SEWER MAN HOLE
I+572	I+611	RT	20	5							39			I	39	REMOVE AND DISPOSE EXISTING GUARD RAIL, INSTALL NEW STEEL BEAM GUARD RAIL AND ANCHOR AT STA. I+572 RT
I+611		RT	20	5							14.6			2		INSTALL (3) NEW 4.8 M RADIUS PANELS AND (2) NEW ANCHORS
I+623		RT						I								CHANGE ELEVATION OF SEWER MAN HOLE
SUBTOTALS			140	35			9	4			101.6	955	5	5	993	
GRAND TOTAL			600	150			25	5	397		1784.2	1680	20	26	3103	

ITEM  
DETAIL  
SHEET # 3

PROJECT NAME :	PROJECT NO. :
<b>VERNON - BRATTLEBORO</b>	<b>AC STP 2126(1)S</b>
DESIGN FILE NAME: /pave/98cl84/pcl84.dgn	PLOT DATE: 08-SEP-2009
IPARM FILE NAME: pcl84id3.1	SURVEY DATE:
SURVEYED BY: WILDER/LOCKE	DRAWN BY: WILDER
SQUAD LEADER:	SHEET 10__ OF 33__



**SIGN LEGEND**

- N = NEW
- R = REMOVE
- S = SALVAGE
- RET = RETAIN
- R & S = REMOVE & SALVAGE

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
0+000 - 0+700 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
0+000 - 0+700 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
0+000 - 0+700 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
0+000 - 0+700 SOLID LT. & SOLID RT.

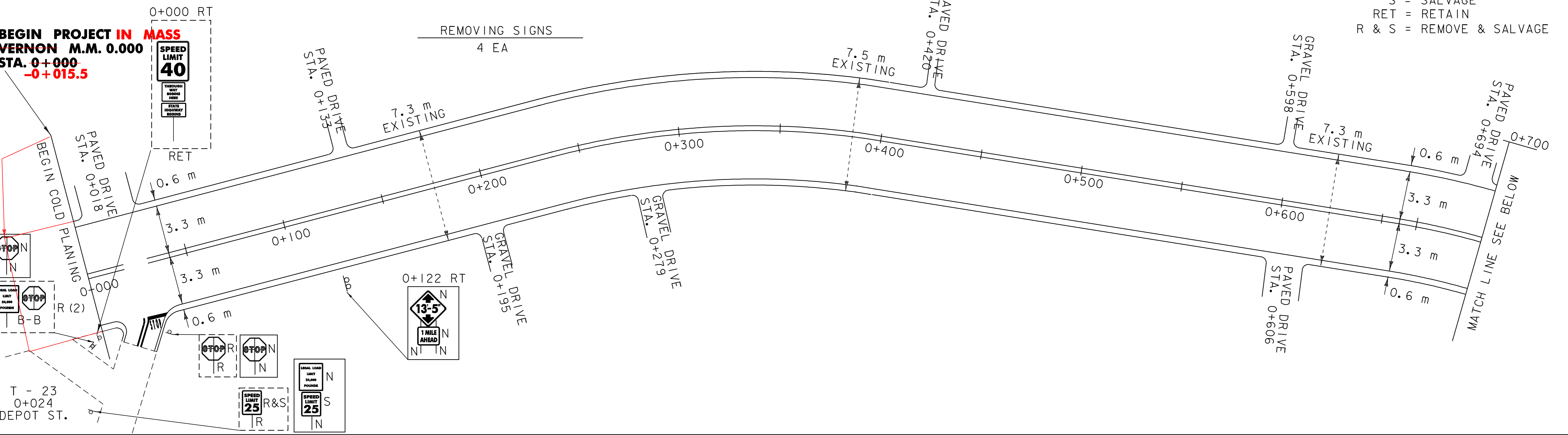
DURABLE 600mm STOP BAR, THERMOPLASTIC  
0+024 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
0+024 RT. (S,T,O,P) (4 EA.)

TEMPORARY 600mm STOP BAR, PAINT  
0+024 RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
0+024 RT. (S,T,O,P) (4 EA.)

**BEGIN PROJECT IN MASS**  
**VERNON M.M. 0+000**  
**STA. 0+000**  
**-0+015.5**



STEEL BEAM GUARDRAIL, GALVANIZED  
0+907 LT. (2 - 4.88 m radius panels)  
0+907 - 0+922 LT.  
0+907 - 0+930 RT.

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
0+700 - 1+400 SOLID LT. & SOLID RT.

DURABLE 600mm STOP BAR, THERMOPLASTIC  
1+280 LT.

REMOVING SIGNS  
3 EA

MANUFACTURED TERMINAL SECTION, FLARED  
0+895.6 - 0+907 RT. (1 EA.)  
0+922 - 0+933.4 LT. (1 EA.)  
~~0+930 - 0+941.4 RT. (1 EA.)~~

TEMPORARY 100mm WHITE LINE, PAINT  
0+700 - 1+400 SOLID LT. & SOLID RT.

TEMPORARY 600mm STOP BAR, PAINT  
1+280 LT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
0+700 - 1+400 SOLID LT. & SOLID RT.

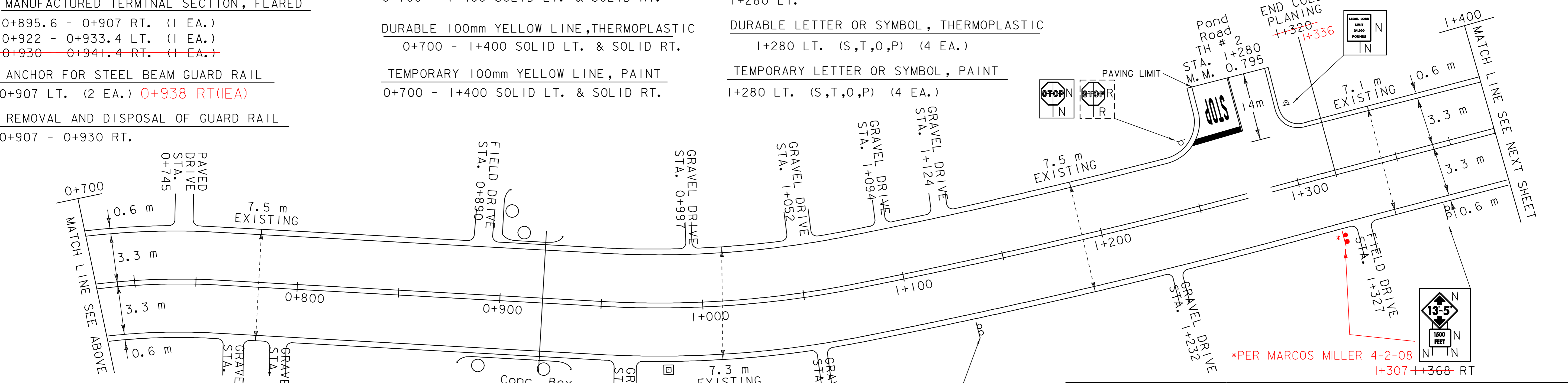
DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
1+280 LT. (S,T,O,P) (4 EA.)

ANCHOR FOR STEEL BEAM GUARD RAIL  
0+907 LT. (2 EA.) **0+938 RT. (1 EA.)**

TEMPORARY 100mm YELLOW LINE, PAINT  
0+700 - 1+400 SOLID LT. & SOLID RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
1+280 LT. (S,T,O,P) (4 EA.)

REMOVAL AND DISPOSAL OF GUARD RAIL  
0+907 - 0+930 RT.



**PROJECT LAYOUT SHEET**  
**# 1**

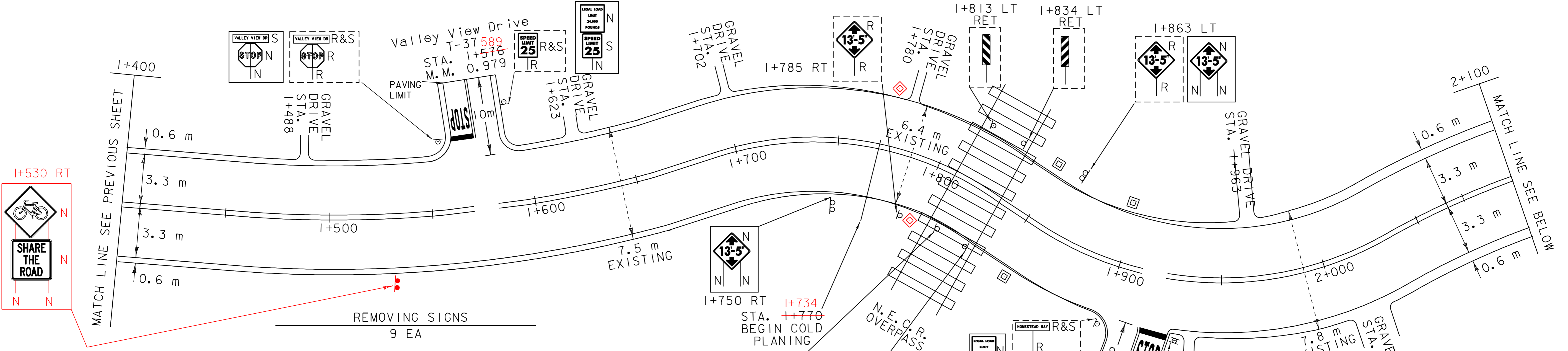
PROJECT NAME:	<b>VERNON - BRATTLEBORO</b>
PROJECT NUMBER:	<b>AC STP 2126(1)S</b>
FILE NAME:	zpqve298cl84\pcl84.dgn
PROJECT LEADER:	pc184101
IPARM NAME:	pc184101
PLOT DATE:	08-SEP-2009 13:3
DRAWN BY:	WILDER
CHECKED BY:	PAVI_MGM
SHEET	12 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
1+400 - 2+100 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
1+400 - 2+100 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
1+400 - 2+100 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
1+400 - 2+100 SOLID LT. & SOLID RT.



DURABLE 600mm STOP BAR, THERMOPLASTIC  
1+576 LT.  
1+938 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
1+576 LT. (S,T,O,P) (4 EA.)  
1+938 RT. (S,T,O,P) (4 EA.)

TEMPORARY 600mm STOP BAR, PAINT  
1+576 LT.  
1+938 RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
1+576 LT. (S,T,O,P) (4 EA.)  
1+938 RT. (S,T,O,P) (4 EA.)

REHABING DI, CB, OR MH CLASS 1  
1+862 ~~1+848~~ LT. (1 EA.)  
1+860 ~~1+856~~ RT. (1 EA.)  
1+907 ~~1+897~~ LT. (1 EA.)  
1+783 LT (1EA)  
1+796 RT (1EA)

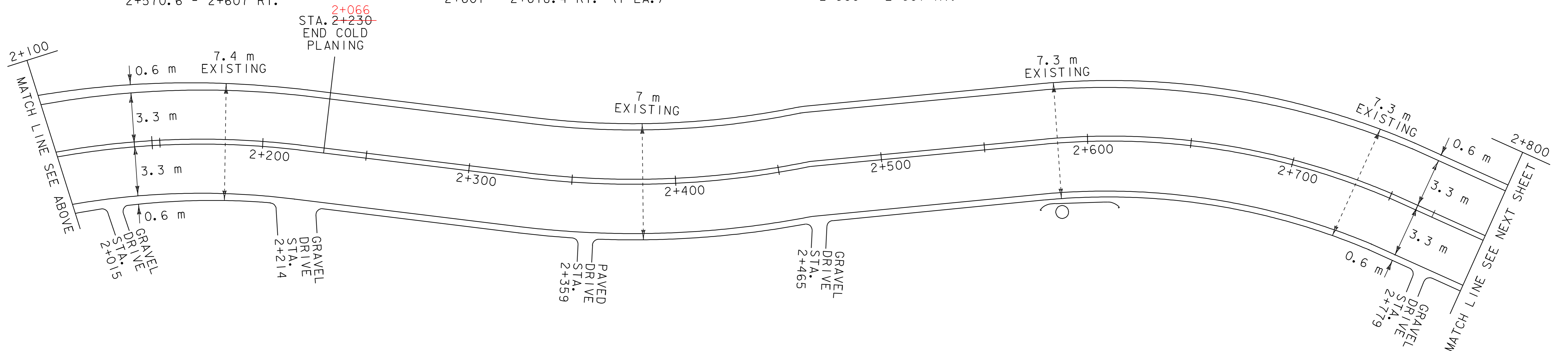
SIGN LEGEND  
N = NEW  
R = REMOVE  
S = SALVAGE  
RET = RETAIN  
R & S = REMOVE & SALVAGE

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
2+100 - 2+800 SOLID LT. & SOLID RT.  
STEEL BEAM GUARDRAIL, GALVANIZED  
2+570.6 - 2+607 RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
2+100 - 2+800 SOLID LT. & SOLID RT.  
MANUFACTURED TERMINAL SECTION, FLARED  
2+607 - 2+618.4 RT. (1 EA.)

TEMPORARY 100mm WHITE LINE, PAINT  
2+100 - 2+800 SOLID LT. & SOLID RT.  
REMOVAL AND DISPOSAL OF GUARD RAIL  
2+588 - 2+607 RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
2+100 - 2+800 SOLID LT. & SOLID RT.



ANCHOR FOR STEEL BEAM G.R.  
2+572 RT (BURIED END IN BANK) (2 EA)

<b>PROJECT LAYOUT SHEET</b>  <b># 2</b>	PROJECT NAME: <b>VERNON - BRATTLEBORO</b>
	PROJECT NUMBER: <b>AC STP 2126(1)S</b>
	FILE NAME: <b>zpqve\98cl84\pci84.dgn</b> PLOT DATE: 08-SEP-2009 13:3
	PROJECT LEADER: <b>pci8402.1</b> DRAWN BY: <b>WILDER</b>
IPARM NAME: <b>pci8402.1</b> CHECKED BY: <b>PAVI_MGMI</b>	SHEET <b>13</b> OF <b>33</b>

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
2+800 - 3+500 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
2+800 - 3+009 SOLID LT. & SOLID RT.  
3+009 - 3+259 SOLID LT. & DASH RT.  
3+259 - 3+500 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
2+800 - 3+500 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
2+800 - 3+009 SOLID LT. & SOLID RT.  
3+009 - 3+259 SOLID LT. & DASH RT.  
3+259 - 3+500 SOLID LT. & SOLID RT.

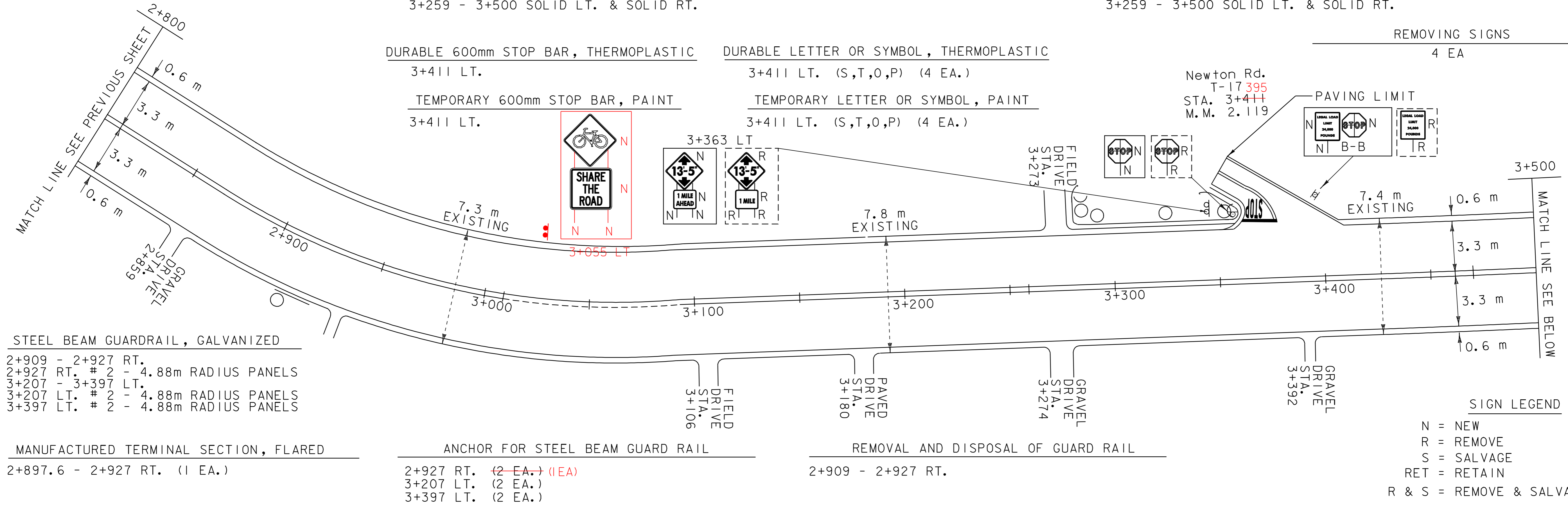
DURABLE 600mm STOP BAR, THERMOPLASTIC  
3+411 LT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
3+411 LT. (S,T,O,P) (4 EA.)

REMOVING SIGNS  
4 EA

TEMPORARY 600mm STOP BAR, PAINT  
3+411 LT.

TEMPORARY LETTER OR SYMBOL, PAINT  
3+411 LT. (S,T,O,P) (4 EA.)



STEEL BEAM GUARDRAIL, GALVANIZED  
2+909 - 2+927 RT. # 2 - 4.88m RADIUS PANELS  
2+927 RT. # 2 - 4.88m RADIUS PANELS  
3+207 - 3+397 LT. # 2 - 4.88m RADIUS PANELS  
3+207 LT. # 2 - 4.88m RADIUS PANELS  
3+397 LT. # 2 - 4.88m RADIUS PANELS

MANUFACTURED TERMINAL SECTION, FLARED  
2+897.6 - 2+927 RT. (1 EA.)

ANCHOR FOR STEEL BEAM GUARD RAIL  
2+927 RT. (2 EA.) (1EA.)  
3+207 LT. (2 EA.)  
3+397 LT. (2 EA.)

REMOVAL AND DISPOSAL OF GUARD RAIL  
2+909 - 2+927 RT.

SIGN LEGEND  
N = NEW  
R = REMOVE  
S = SALVAGE  
RET = RETAIN  
R & S = REMOVE & SALVAGE

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
3+500 - 4+200 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
3+500 - 3+556 SOLID LT. & SOLID RT.  
3+556 - 3+798 SOLID LT. & DASH RT.  
3+798 - 3+894 DASH  
3+894 - 4+200 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
3+500 - 4+200 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
3+500 - 3+556 SOLID LT. & SOLID RT.  
3+556 - 3+798 SOLID LT. & DASH RT.  
3+798 - 3+894 DASH  
3+894 - 4+200 SOLID LT. & SOLID RT.

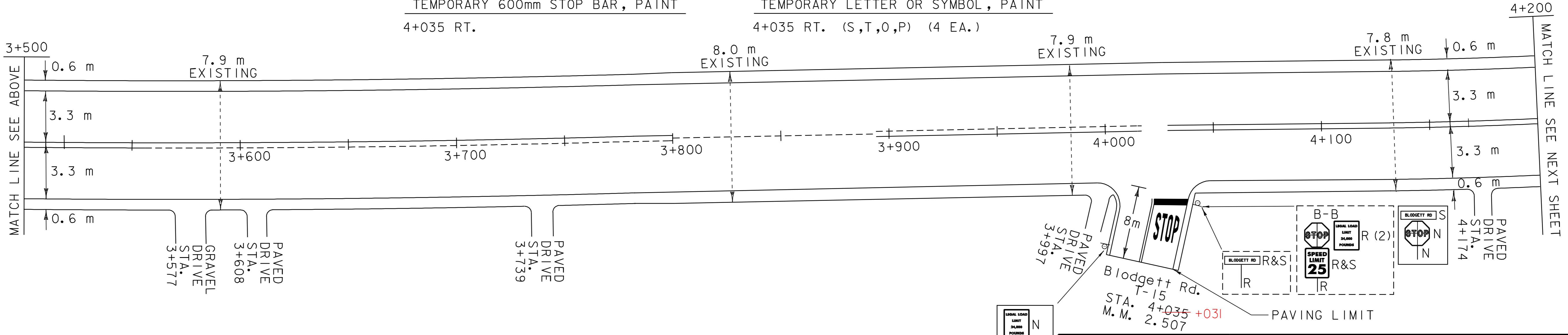
DURABLE 600mm STOP BAR, THERMOPLASTIC  
4+035 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
4+035 RT. (S,T,O,P) (4 EA.)

REMOVING SIGNS  
4 EA

TEMPORARY 600mm STOP BAR, PAINT  
4+035 RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
4+035 RT. (S,T,O,P) (4 EA.)



STEEL BEAM GUARDRAIL, GALVANIZED  
3+500 - 3+577 RT. # 2 - 4.88m RADIUS PANELS  
3+577 RT. # 2 - 4.88m RADIUS PANELS  
3+608 - 3+739 LT. # 2 - 4.88m RADIUS PANELS  
3+608 LT. # 2 - 4.88m RADIUS PANELS  
3+739 LT. # 2 - 4.88m RADIUS PANELS

MANUFACTURED TERMINAL SECTION, FLARED  
4+035 - 4+035 RT. (1 EA.)

ANCHOR FOR STEEL BEAM GUARD RAIL  
4+035 RT. (2 EA.) (1EA.)

REMOVAL AND DISPOSAL OF GUARD RAIL  
3+500 - 4+035 RT.

SIGN LEGEND  
N = NEW  
R = REMOVE  
S = SALVAGE  
RET = RETAIN  
R & S = REMOVE & SALVAGE

**PROJECT LAYOUT SHEET**  
**# 3**

PROJECT NAME: **VERNON - BRATTLEBORO**  
PROJECT NUMBER: **AC STP 2126(1)S**  
FILE NAME: **zpqve\98cl84\pci84.dgn** PLOT DATE: 08-SEP-2009 13:3  
PROJECT LEADER: **pci8403.1** DRAWN BY: **WILDER**  
IPARM NAME: **pci8403.1** CHECKED BY: **PAVI.MGM**  
SHEET **14** OF **33**

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
4+200 - 4+900 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
4+200 - 4+900 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
4+200 - 4+900 SOLID LT. & SOLID RT.

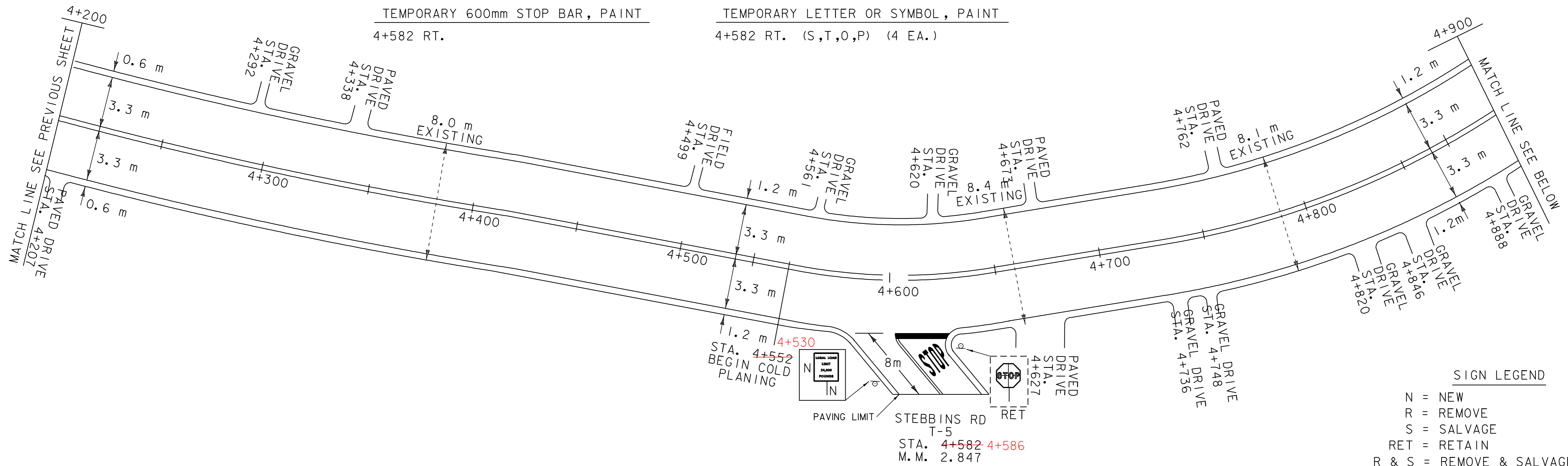
TEMPORARY 100mm YELLOW LINE, PAINT  
4+200 - 4+900 SOLID LT. & SOLID RT.

DURABLE 600mm STOP BAR, THERMOPLASTIC  
4+582 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
4+582 RT. (S,T,O,P) (4 EA.)

TEMPORARY 600mm STOP BAR, PAINT  
4+582 RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
4+582 RT. (S,T,O,P) (4 EA.)

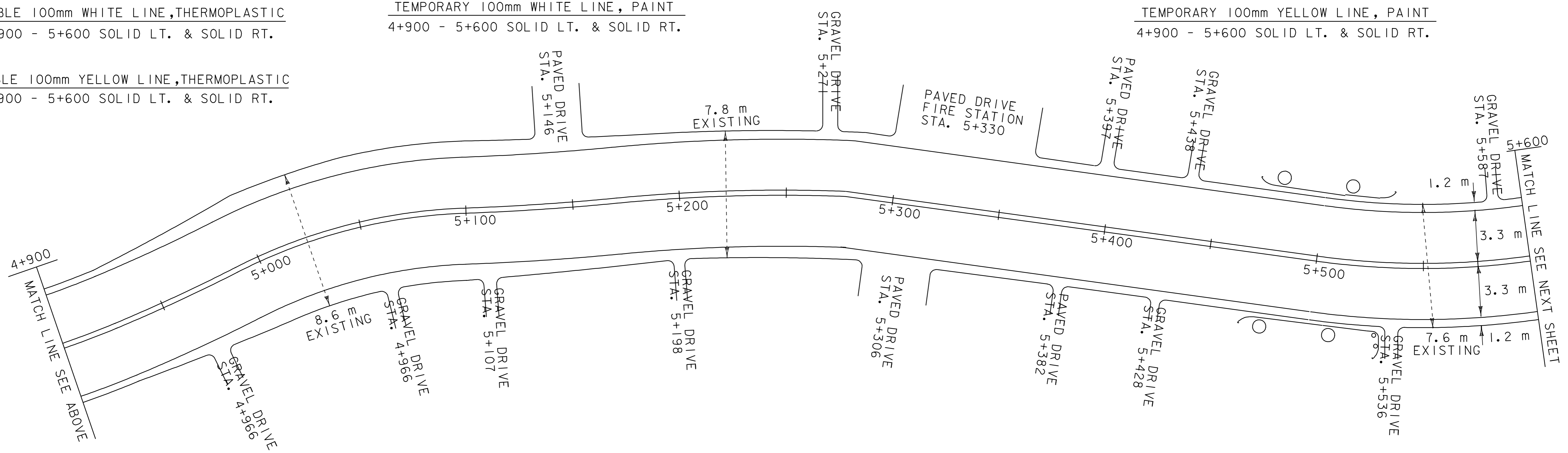


DURABLE 100mm WHITE LINE, THERMOPLASTIC  
4+900 - 5+600 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
4+900 - 5+600 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
4+900 - 5+600 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
4+900 - 5+600 SOLID LT. & SOLID RT.



STEEL BEAM GUARDRAIL, GALVANIZED  
5+488 - 5+527 LT.

ANCHOR FOR STEEL BEAM GUARDRAIL  
5+475 RT.  
5+528 RT.  
5+488 LT.  
5+527 LT. (~~BURY IN BACKSLOPE~~)

REMOVAL AND DISPOSAL OF GUARDRAIL  
5+488 - 5+527 LT.  
5+489 - 5+525 RT.

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS  
5+475 - 5+528 RT.

**PROJECT LAYOUT SHEET**  
**# 4**

PROJECT NAME: **VERNON - BRATTLEBORO**  
PROJECT NUMBER: **AC STP 2126(1)S**  
FILE NAME: z:\pave\98\cl84\pcl84.dgn PLOT DATE: 08-SEP-2009 13:3  
PROJECT LEADER: \_\_\_\_\_ DRAWN BY: WILDER  
IPARM NAME: pci84104.i CHECKED BY: PAVI\_MGM  
SHEET 15 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
5+600 - 6+200 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
5+600 - 6+200 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
5+600 - 6+200 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
5+600 - 6+200 SOLID LT. & SOLID RT.

DURABLE 600mm STOP BAR, THERMOPLASTIC  
5+681 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
5+681 RT. (S,T,O,P) (4 EA.)

DURABLE 600mm STOP BAR, THERMOPLASTIC  
5+681 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
5+681 RT. (S,T,O,P) (4 EA.)

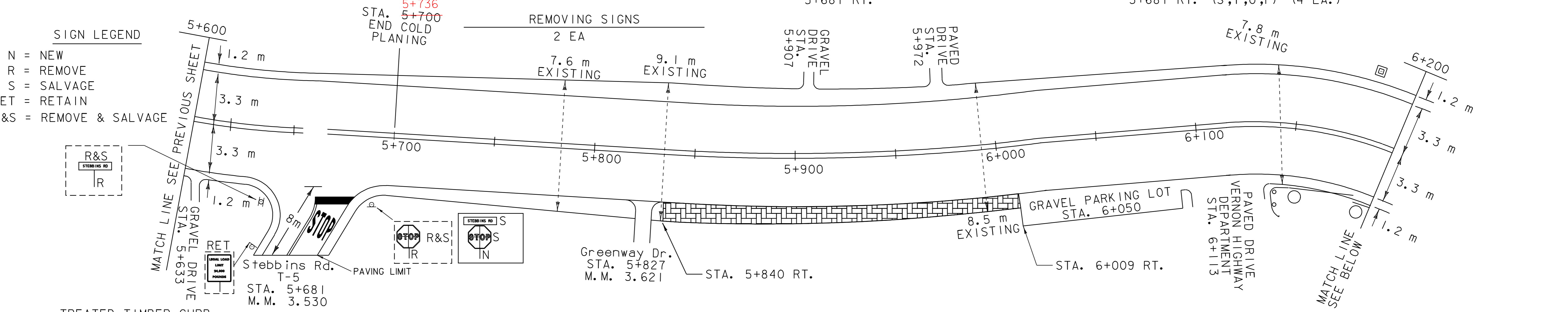
TEMPORARY 600mm STOP BAR, PAINT  
5+681 RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
5+681 RT. (S,T,O,P) (4 EA.)

TEMPORARY 600mm STOP BAR, PAINT  
5+681 RT.

TEMPORARY LETTER OR SYMBOL, PAINT  
5+681 RT. (S,T,O,P) (4 EA.)

**SIGN LEGEND**  
N = NEW  
R = REMOVE  
S = SALVAGE  
RET = RETAIN  
R&S = REMOVE & SALVAGE



TREATED TIMBER CURB  
~~6+131 - 6+200 RT~~  
~~6+156~~

~~REHABING DI, CB, OR MH CLASS I~~  
~~6+181 LT. (1 EA.)~~

SPECIAL PROVISION, IMPRINTED/COLORIZED SURFACE  
~~STA. 5+840 - 6+009 RT. (195 SM)~~  
~~5+852~5+998~~

STEEL BEAM GUARDRAIL, GALVANIZED  
6+131 RT 2 - 4.88m RADIUS PANELS

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS  
6+131 - 6+200 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL  
6+131 RT. (2 EA.)

REMOVAL AND DISPOSAL OF GUARD RAIL  
6+131 - 6+200 RT.

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
6+200 - 6+900 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
6+200 - 6+900 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
6+200 - 6+900 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
6+200 - 6+900 SOLID LT. & SOLID RT.

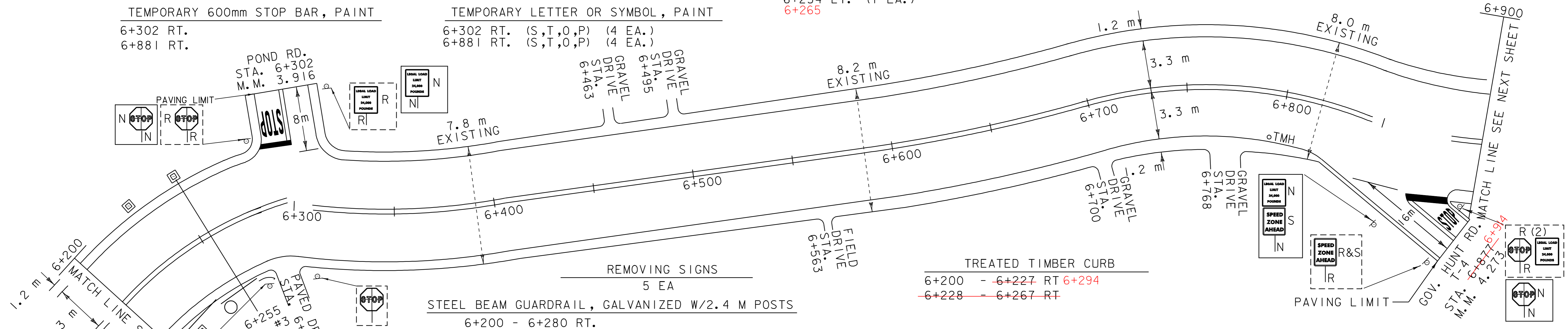
DURABLE 600mm STOP BAR, THERMOPLASTIC  
6+302 RT.  
6+881 RT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
6+302 RT. (S,T,O,P) (4 EA.)  
6+881 RT. (S,T,O,P) (4 EA.)

604.412 : REHABING DI, CB, OR MH CLASS I  
6+216 RT. (1 EA.)  
~~6+232 LT. (1 EA.)~~  
~~6+254 LT. (1 EA.)~~  
6+265

~~CHANGING ELEVATION OF SEWER MANHOLE~~  
~~6+795 RT. (1 EA.)~~

203.28: EXCAVATION OF SURFACES AND PAVEMENTS\*  
STA 6+900(20.4CM)  
\* THIS WAS DONE AT THE TOWN'S REQUEST



TREATED TIMBER CURB  
~~6+200 - 6+227 RT 6+294~~  
~~6+228 - 6+267 RT~~

REMOVING SIGNS  
5 EA

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS  
6+200 - 6+280 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL  
6+280 RT.

REMOVAL AND DISPOSAL OF GUARD RAIL  
6+200 - 6+280 RT.

**SIGN LEGEND**  
N = NEW  
R = REMOVE  
S = SALVAGE  
R & S = REMOVE & SALVAGE

**PROJECT LAYOUT SHEET**  
# 5

PROJECT NAME: **VERNON - BRATTLEBORO**  
PROJECT NUMBER: **AC STP 2126(1)S**  
FILE NAME: zpqve\98cl84\pcl84.dgn PLOT DATE: 08-SEP-2009 13:3  
PROJECT LEADER: \_\_\_\_\_ DRAWN BY: WILDER  
IPARM NAME: pci8405.1 CHECKED BY: PAVI.MGM  
SHEET 16 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
6+900 - 7+600 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
6+900 - 7+600 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
6+900 - 7+600 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
6+900 - 7+600 SOLID LT. & SOLID RT.

SIGN LEGEND

- N = NEW
- R = REMOVE
- S = SALVAGE
- RET = RETAIN
- R & S = REMOVE & SALVAGE

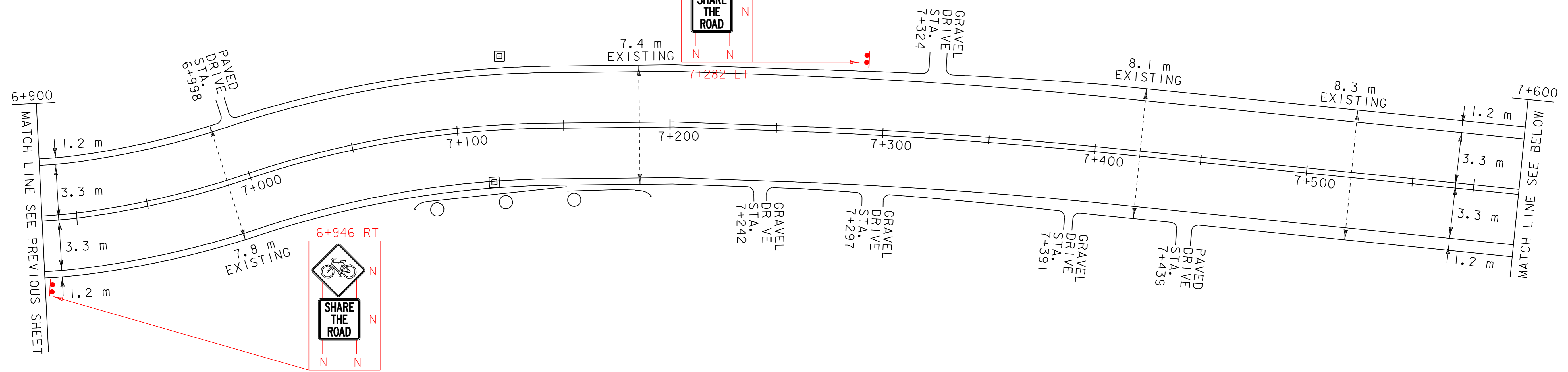
TREATED TIMBER CURB  
7+084 - 7+173 RT.  
7+108~7+190

STEEL BEAM GUARDRAIL, GALVANIZED  
7+072.6 - 7+184.4 RT.

ANCHOR FOR STEEL BEAM RAIL  
7+173 - 7+184.4 RT. (2 EA, BURIED IN BANK)  
7+072.6 - 7+084 RT. (2 EA, HAD TO REMOVE THEN LATER PUT BACK)

REHABING DI, CB, OR MH CLASS I  
7+115 RT. (1 EA.) 7+135 RT  
7+123 LT. (1 EA.) 7+135 LT

REMOVAL AND DISPOSAL OF GUARD RAIL  
7+084 - 7+173 RT.

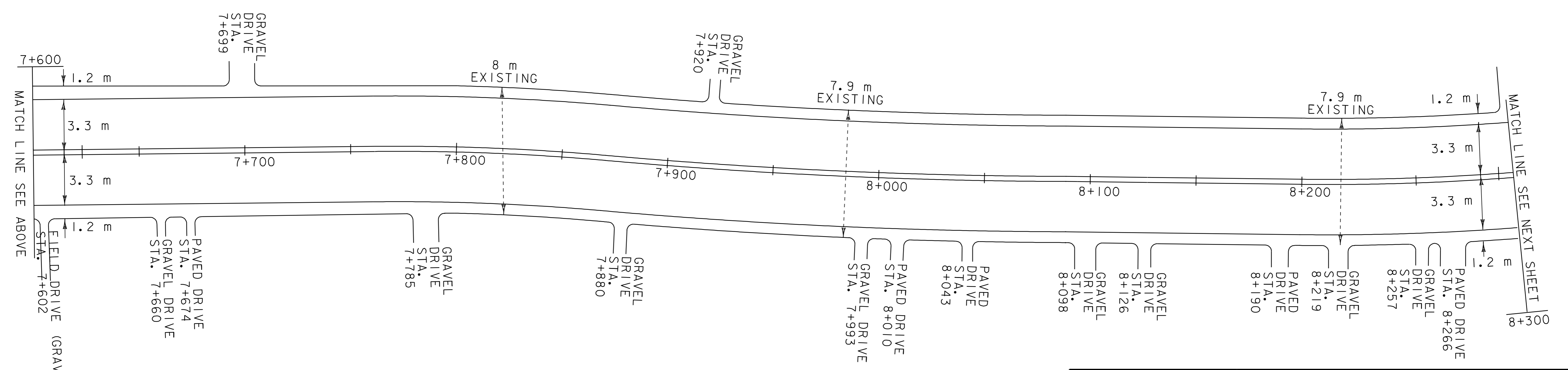


DURABLE 100mm WHITE LINE, THERMOPLASTIC  
7+600 - 8+300 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
7+600 - 8+200 SOLID LT. & SOLID RT.

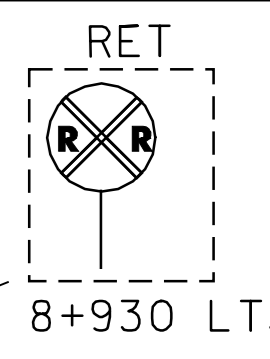
TEMPORARY 100mm WHITE LINE, PAINT  
7+600 - 8+300 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
7+600 - 8+200 SOLID LT. & SOLID RT.



**PROJECT LAYOUT SHEET**  
**# 6**

PROJECT NAME: **VERNON - BRATTLEBORO**  
PROJECT NUMBER: **AC STP 2126(1)S**  
FILE NAME: **zpqve\98\cl84\pcl84.dgn** PLOT DATE: 08-SEP-2009 13:3  
PROJECT LEADER: \_\_\_\_\_ DRAWN BY: **WILDER**  
IPARM NAME: **pci84106.1** CHECKED BY: **PAVI\_MGMI**  
SHEET **17** OF **33**



DURABLE 100mm WHITE LINE, THERMOPLASTIC  
8+300 - 9+000 SOLID LT. & SOLID RT.  
TEMPORARY 100mm WHITE LINE, PAINT  
8+300 - 9+000 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
8+300 - 9+000 SOLID LT. & SOLID RT.  
TEMPORARY 100mm YELLOW LINE, PAINT  
8+300 - 9+000 SOLID LT. & SOLID RT.

TEMPORARY 600mm STOP BAR, PAINT  
8+341 RT.  
8+645 RT.

REMOVING SIGNS  
4 EA

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
8+341 RT. (S,T,O,P) (4 EA.)  
8+645 RT. (S,T,O,P) (4 EA.)

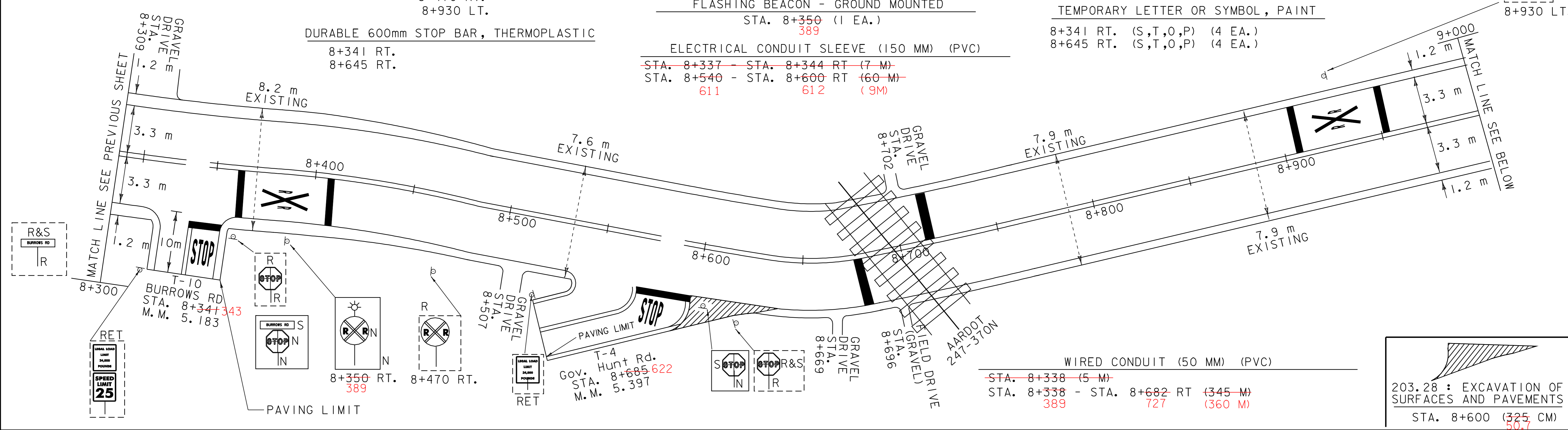
DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC  
8+470 RT.  
8+930 LT.

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT  
8+470 RT.  
8+930 LT.  
FLASHING BEACON - GROUND MOUNTED  
STA. 8+350 (1 EA.)

TEMPORARY LETTER OR SYMBOL, PAINT  
8+341 RT. (S,T,O,P) (4 EA.)  
8+645 RT. (S,T,O,P) (4 EA.)

DURABLE 600mm STOP BAR, THERMOPLASTIC  
8+341 RT.  
8+645 RT.

ELECTRICAL CONDUIT SLEEVE (150 MM) (PVC)  
~~STA. 8+337 - STA. 8+344 RT (7 M)~~  
~~STA. 8+540 - STA. 8+600 RT (60 M)~~  
611                      612                      (9M)



WIRED CONDUIT (50 MM) (PVC)  
~~STA. 8+338 (5 M)~~  
STA. 8+338 - STA. 8+682 RT (345 M)  
389                      727                      (360 M)

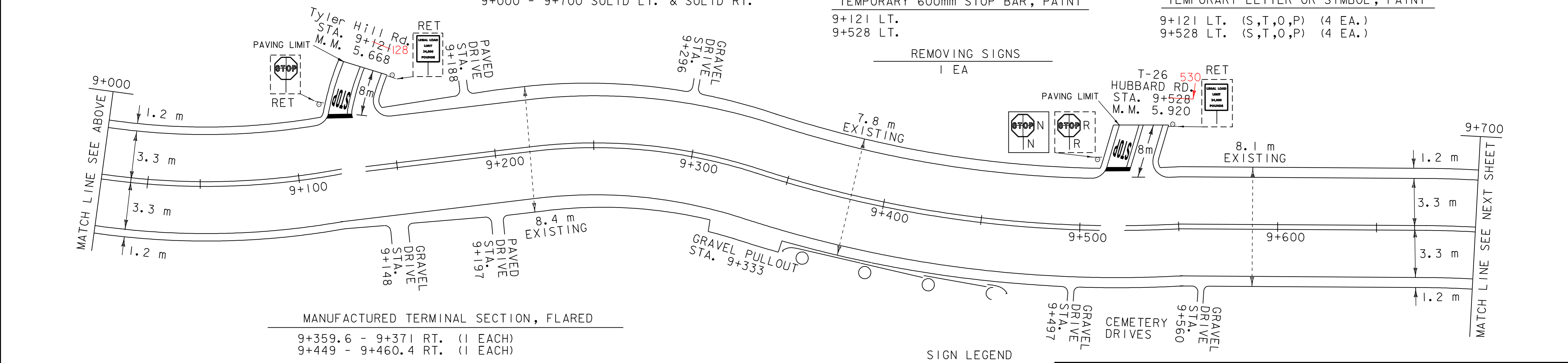
203.28 : EXCAVATION OF SURFACES AND PAVEMENTS  
STA. 8+600 (325 CM)  
50.7

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
9+000 - 9+700 SOLID LT. & SOLID RT.  
TEMPORARY 100mm WHITE LINE, PAINT  
9+000 - 9+700 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
9+000 - 9+700 SOLID LT. & SOLID RT.  
TEMPORARY 100mm YELLOW LINE, PAINT  
9+000 - 9+700 SOLID LT. & SOLID RT.

DURABLE 600mm STOP BAR, THERMOPLASTIC  
9+121 LT.  
9+528 LT.  
TEMPORARY 600mm STOP BAR, PAINT  
9+121 LT.  
9+528 LT.

DURABLE LETTER OR SYMBOL, THERMOPLASTIC  
9+121 LT. (S,T,O,P) (4 EA.)  
9+528 LT. (S,T,O,P) (4 EA.)  
TEMPORARY LETTER OR SYMBOL, PAINT  
9+121 LT. (S,T,O,P) (4 EA.)  
9+528 LT. (S,T,O,P) (4 EA.)



MANUFACTURED TERMINAL SECTION, FLARED  
9+359.6 - 9+371 RT. (1 EACH)  
9+449 - 9+460.4 RT. (1 EACH)

REMOVING SIGNS  
1 EA

SIGN LEGEND

- N = NEW
- R = REMOVE
- S = SALVAGE
- RET = RETAIN
- R & S = REMOVE & SALVAGE

STEEL BEAM GUARDRAIL, GALVANIZED (MOD) REMOVAL AND DISPOSAL OF GUARD RAIL  
9+371 - 9+449 RT.                      9+380 - 9+454 RT.

**PROJECT LAYOUT SHEET**  
**# 7**

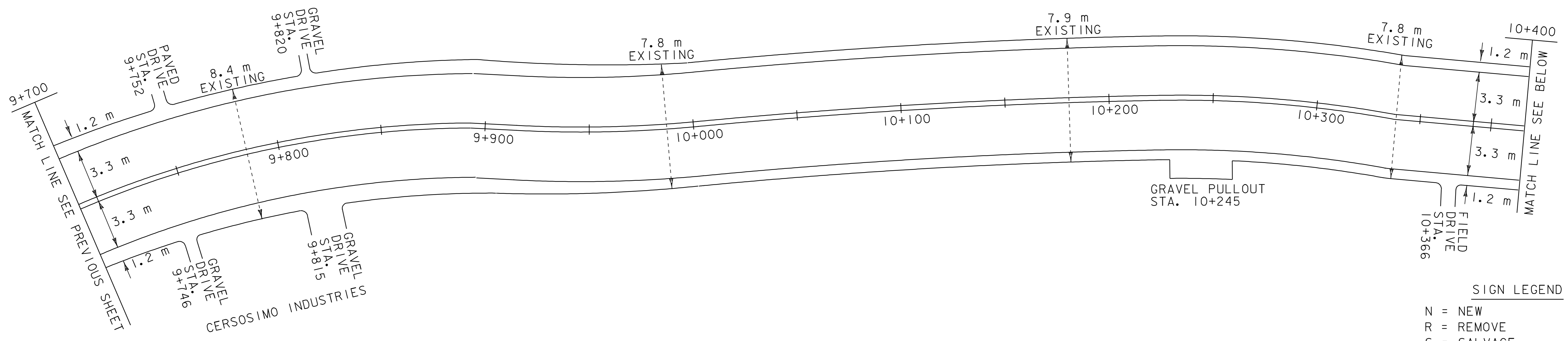
PROJECT NAME:	<b>VERNON - BRATTLEBORO</b>
PROJECT NUMBER:	<b>AC STP 2126(1)S</b>
FILE NAME:	Z:\pave\98\cl84\pci84.dgn
PROJECT LEADER:	pci84107.1
IPARM NAME:	pci84107.1
PLOT DATE:	08-SEP-2009 13:30
DRAWN BY:	WILDER
CHECKED BY:	PAVI_MGMI
SHEET	18 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
9+700 - 10+400 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
9+700 - 10+400 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
9+700 - 10+400 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
9+700 - 10+400 SOLID LT. & SOLID RT.



**SIGN LEGEND**  
 N = NEW  
 R = REMOVE  
 S = SALVAGE  
 RET = RETAIN  
 R & S = REMOVE & SALVAGE

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
10+400 - 11+100 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
10+400 - 11+023 SOLID LT. & SOLID RT.  
11+023 - 11+100 SOLID LT. & DASH RT.

TEMPORARY 100mm WHITE LINE, PAINT  
10+400 - 11+100 SOLID LT. & SOLID RT.

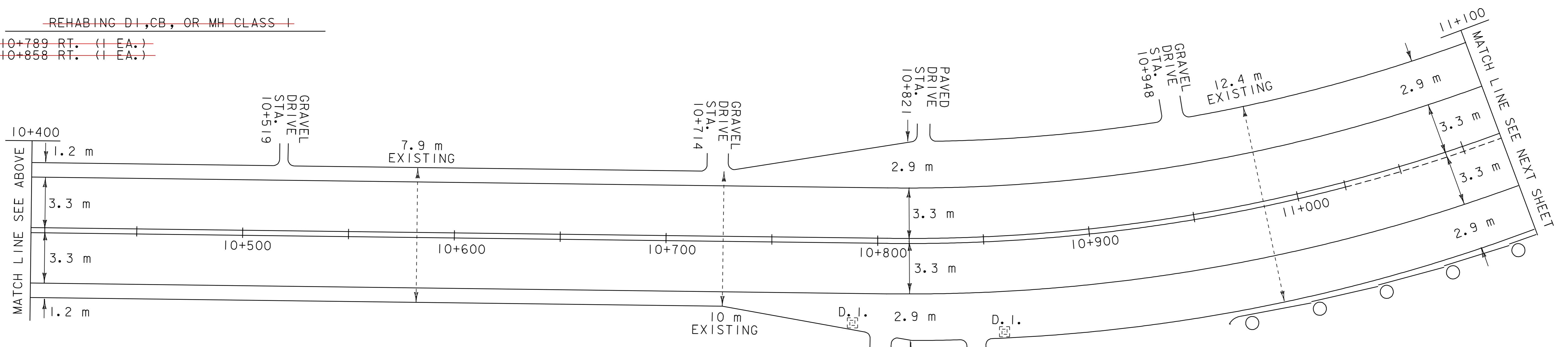
TEMPORARY 100mm YELLOW LINE, PAINT  
10+400 - 11+023 SOLID LT. & SOLID RT.  
11+023 - 11+100 SOLID LT. & DASH RT.

STEEL BEAM GUARDRAIL, GALVANIZED  
10+996 - 11+100 RT.

MANUFACTURED TERMINAL SECTION, FLARED  
10+984.6 - 10+996 RT. (1 EACH)

REMOVAL AND DISPOSAL OF GUARD RAIL  
10+996 - 11+100 RT.

~~REHABING DI, CB, OR MH CLASS I~~  
~~10+789 RT. (1 EA.)~~  
~~10+858 RT. (1 EA.)~~



**PROJECT LAYOUT SHEET # 8**

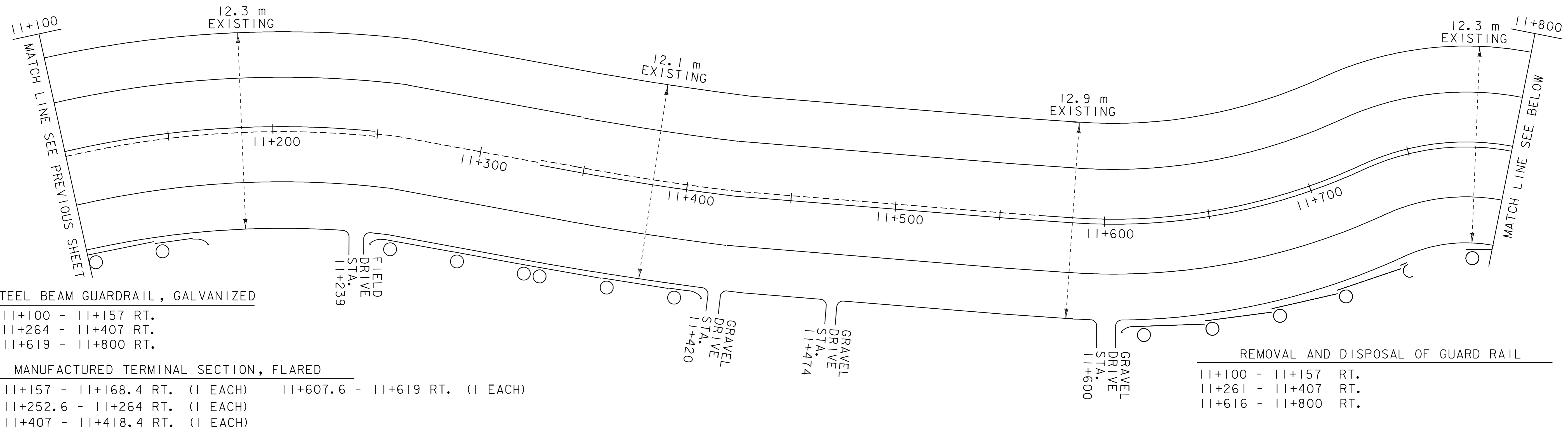
PROJECT NAME: **VERNON - BRATTLEBORO**  
 PROJECT NUMBER: **AC STP 2126(1)S**  
 FILE NAME: zpqve\98cl84\pcl84.dgn PLOT DATE: 08-SEP-2009 13:3  
 PROJECT LEADER: \_\_\_\_\_ DRAWN BY: WILDER  
 IPARM NAME: pci84108.1 CHECKED BY: PAVI\_MGM  
 SHEET 19 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
11+100 - 11+800 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
11+100 - 11+249 SOLID LT. & DASH RT.  
11+249 - 11+329 DASH  
11+329 - 11+571 DASH LT. & SOLID RT.  
11+571 - 11+800 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
11+100 - 11+800 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
11+100 - 11+249 SOLID LT. & DASH RT.  
11+249 - 11+329 DASH  
11+329 - 11+571 DASH LT. & SOLID RT.  
11+571 - 11+800 SOLID LT. & SOLID RT.



STEEL BEAM GUARDRAIL, GALVANIZED  
11+100 - 11+157 RT.  
11+264 - 11+407 RT.  
11+619 - 11+800 RT.

MANUFACTURED TERMINAL SECTION, FLARED  
11+157 - 11+168.4 RT. (1 EACH)    11+607.6 - 11+619 RT. (1 EACH)  
11+252.6 - 11+264 RT. (1 EACH)  
11+407 - 11+418.4 RT. (1 EACH)

REMOVAL AND DISPOSAL OF GUARD RAIL  
11+100 - 11+157 RT.  
11+261 - 11+407 RT.  
11+616 - 11+800 RT.

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
11+800 - 12+500 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
11+800 - 12+500 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
11+800 - 12+500 SOLID LT. & SOLID RT.

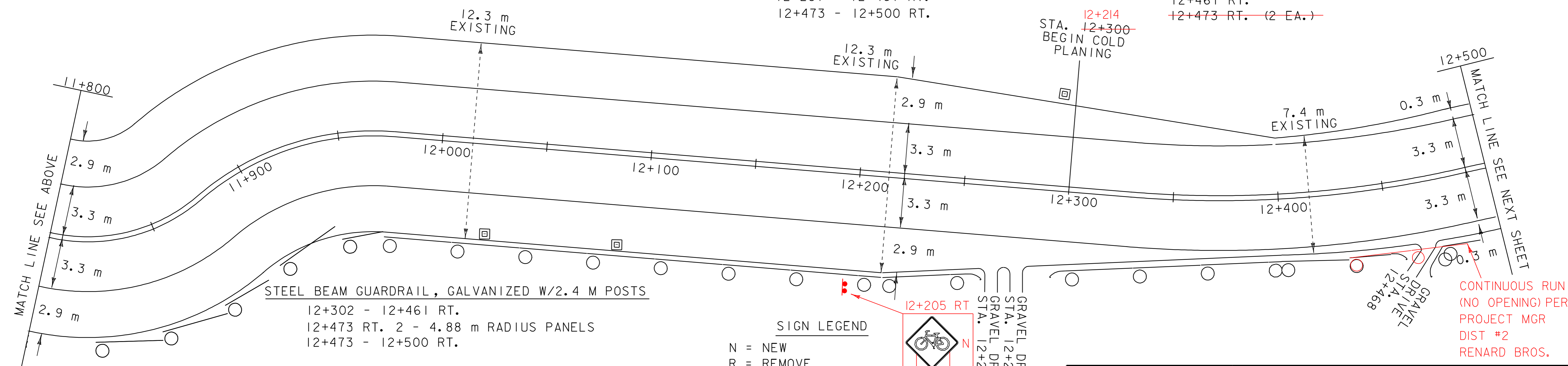
TEMPORARY 100mm YELLOW LINE, PAINT  
11+800 - 12+500 SOLID LT. & SOLID RT.

STEEL BEAM GUARDRAIL, GALVANIZED  
11+800 - 12+245 RT.

MANUFACTURED TERMINAL SECTION, FLARED  
12+245 - 12+256.4 RT. (1 EACH)

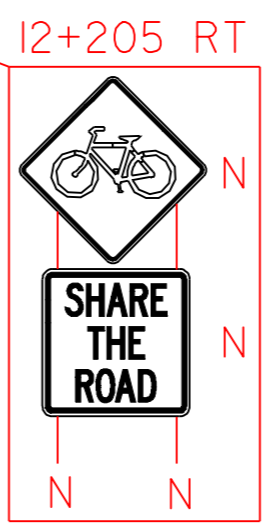
REMOVAL AND DISPOSAL OF GUARD RAIL  
11+800 - 12+256 RT.  
12+297 - 12+461 RT.  
12+473 - 12+500 RT.

ANCHOR FOR STEEL BEAM GUARD RAIL  
12+302 RT. (BURIED IN BACKSLOPE)  
~~12+461 RT.~~  
~~12+473 RT. (2 EA.)~~



STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS  
12+302 - 12+461 RT.  
12+473 RT. 2 - 4.88 m RADIUS PANELS  
12+473 - 12+500 RT.

SIGN LEGEND  
N = NEW  
R = REMOVE  
S = SALVAGE  
RET = RETAIN  
R & S = REMOVE & SALVAGE



CONTINUOUS RUN (NO OPENING) PER PROJECT MGR DIST #2 RENARD BROS.

TREATED TIMBER CURB  
11+914 - 12+087 RT.  
909      067

REHABING DI, CB, OR MH CLASS I  
12+024 RT. (1 EA.)  
~~12+086 RT. (1 EA.)~~  
~~12+294 LT. (1 EA.)~~

**PROJECT LAYOUT SHEET**  
# 9

PROJECT NAME: **VERNON - BRATTLEBORO**  
PROJECT NUMBER: **AC STP 2126(1)S**  
FILE NAME: zpqve298cl84\pci84.dgn PLOT DATE: 08-SEP-2009 13:3  
PROJECT LEADER: \_\_\_\_\_ DRAWN BY: WILDER  
IPARM NAME: pci84109.1 CHECKED BY: PAVI.MGMI  
SHEET 20 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
12+500 - 13+200 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
12+500 - 13+200 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
12+500 - 13+200 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
12+500 - 13+200 SOLID LT. & SOLID RT.

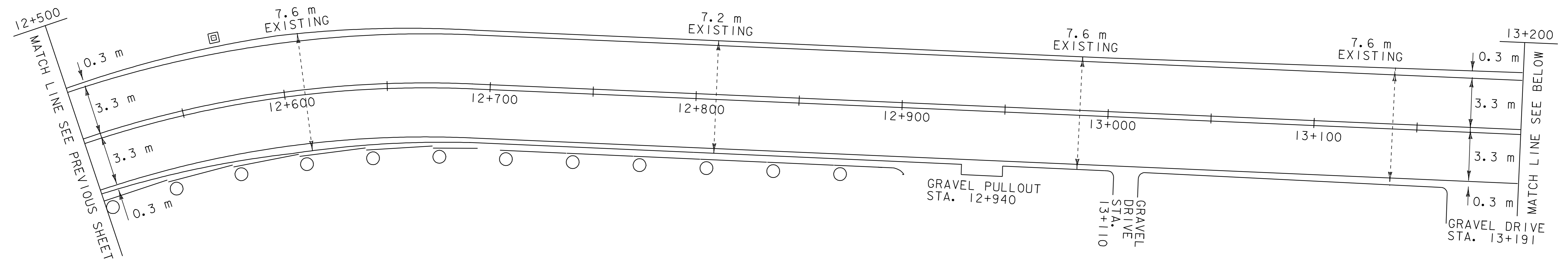
REHABING DI, CB, OR MH CLASS I  
12+573 LT. (1 EA.)

MANUFACTURED TERMINAL SECTION, FLARED  
12+890 - 12+901.4 RT. (1 EACH)

REMOVAL AND DISPOSAL OF GUARD RAIL  
12+500 - 12+890 RT.

**SIGN LEGEND**  
N = NEW  
R = REMOVE  
S = SALVAGE  
RET = RETAIN  
R & S = REMOVE & SALVAGE

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4M POSTS  
12+500 - 12+890 RT.



DURABLE 100mm WHITE LINE, THERMOPLASTIC  
13+200 - 13+900 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
13+200 - 13+900 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
13+200 - 13+900 SOLID LT. & SOLID RT.

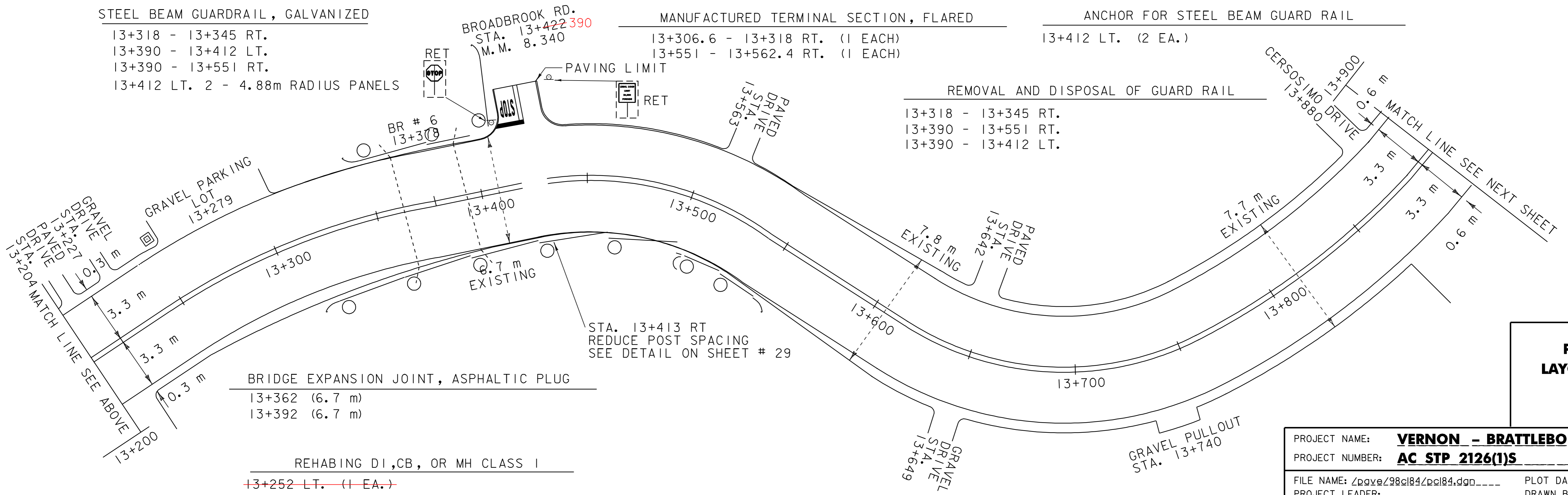
TEMPORARY 100mm YELLOW LINE, PAINT  
13+200 - 13+900 SOLID LT. & SOLID RT.

STEEL BEAM GUARDRAIL, GALVANIZED  
13+318 - 13+345 RT.  
13+390 - 13+412 LT.  
13+390 - 13+551 RT.  
13+412 LT. 2 - 4.88m RADIUS PANELS

MANUFACTURED TERMINAL SECTION, FLARED  
13+306.6 - 13+318 RT. (1 EACH)  
13+551 - 13+562.4 RT. (1 EACH)

ANCHOR FOR STEEL BEAM GUARD RAIL  
13+412 LT. (2 EA.)

REMOVAL AND DISPOSAL OF GUARD RAIL  
13+318 - 13+345 RT.  
13+390 - 13+551 RT.  
13+390 - 13+412 LT.



**PROJECT LAYOUT SHEET # 10**

PROJECT NAME:	<b>VERNON - BRATTLEBORO</b>		
PROJECT NUMBER:	<b>AC STP 2126(1)S</b>		
FILE NAME:	z:\pave\298\cl84\pci84.dgn	PLOT DATE:	08-SEP-2009 13:33
PROJECT LEADER:		DRAWN BY:	WILDER
IPARM NAME:	pci84110.1	CHECKED BY:	PAVI.MGMT
		SHEET	21 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC

DURABLE 100mm YELLOW LINE, THERMOPLASTIC

TEMPORARY 100mm WHITE LINE, PAINT

TEMPORARY 100mm YELLOW LINE, PAINT

13+900 - 14+005 SOLID LT. & SOLID RT.  
0+000 - 0+600 SOLID LT. & SOLID RT.

13+900 - 14+005 SOLID LT. & SOLID RT.  
0+000 - 0+600 SOLID LT. & SOLID RT.

13+900 - 14+005 SOLID LT. & SOLID RT.  
0+000 - 0+600 SOLID LT. & SOLID RT.

13+900 - 14+005 SOLID LT. & SOLID RT.  
0+000 - 0+600 SOLID LT. & SOLID RT.

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS

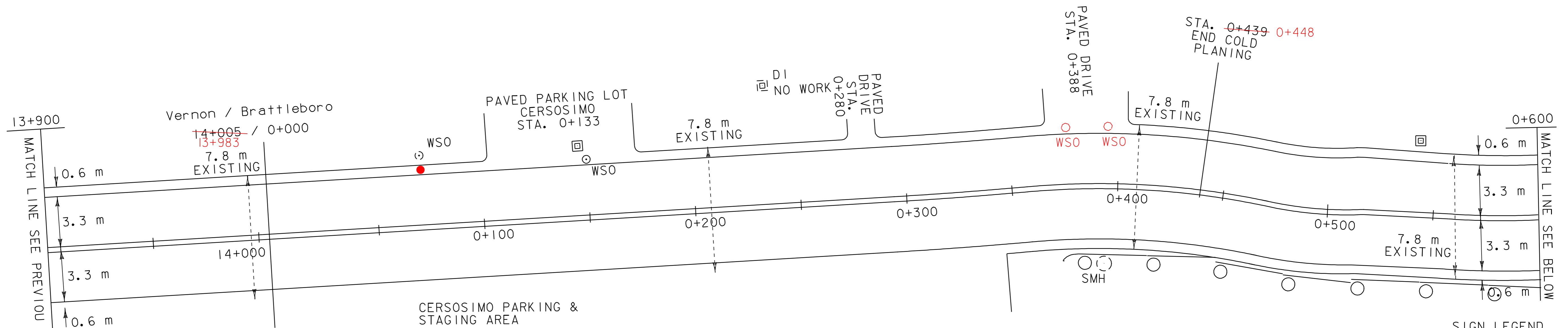
MANUFACTURED TERMINAL SECTION, FLARED

REMOVAL AND DISPOSAL OF GUARD RAIL

0+392 - 0+600 RT.

0+380.6 - 0+392 RT. (1 EACH)

0+403 - 0+600 RT.



- ADJUST ELEVATION OF VALVE BOX
  - 0+071 LT (WSO)
  - 0+383 LT (WSO)
  - 0+408 LT (WSO)
- REHABING DI, CB, OR MH CLASS I
  - 0+146 LT. (1 EA.)
  - 0+542 LT. (1 EA.)

**NOTE:**  
STA. 0+392 RT - STA. 1+300 RT. TOWN TO LOCATE SEWER LINE & WATER LINE BEFORE DOING GUARD RAIL WORK.

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

DURABLE 100mm WHITE LINE, THERMOPLASTIC

DURABLE 100mm YELLOW LINE, THERMOPLASTIC

TEMPORARY 100mm WHITE LINE, PAINT

REMOVING SIGNS

0+600 - 1+300 SOLID LT. & SOLID RT.

0+600 - 1+300 SOLID LT. & SOLID RT.

0+600 - 1+300 SOLID LT. & SOLID RT.

1 EA

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS

STEEL BEAM GUARDRAIL, GALVANIZED

TEMPORARY 100mm YELLOW LINE, PAINT

0+600 - 0+726 RT.  
0+837 - 1+300 RT.

1+252 - 1+300 LT.

0+600 - 1+300 SOLID LT. & SOLID RT.

ANCHOR FOR STEEL BEAM GUARD RAIL

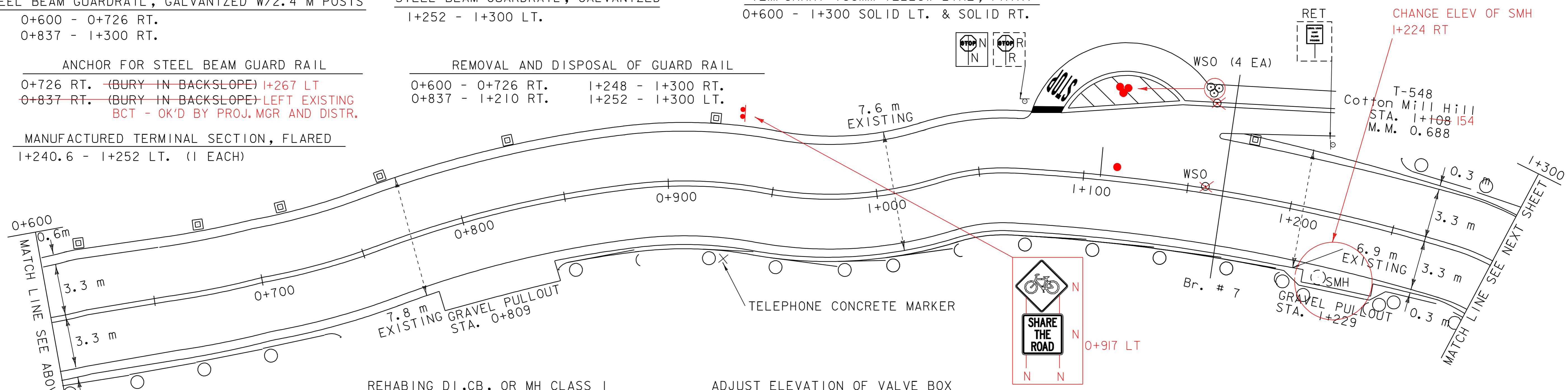
REMOVAL AND DISPOSAL OF GUARD RAIL

0+726 RT. (BURY IN BACKSLOPE) 1+267 LT  
0+837 RT. (BURY IN BACKSLOPE) LEFT EXISTING  
BCT - OK'D BY PROJ. MGR AND DISTR.

0+600 - 0+726 RT. 1+248 - 1+300 RT.  
0+837 - 1+210 RT. 1+252 - 1+300 LT.

MANUFACTURED TERMINAL SECTION, FLARED

1+240.6 - 1+252 LT. (1 EACH)



- REHABING DI, CB, OR MH CLASS I
  - 0+619 LT. (1 EA.)
  - 0+676 LT. (1 EA.)
  - 0+714 LT. (1 EA.)
  - 1+179 LT. (1 EA.)
  - 183
- ADJUST ELEVATION OF VALVE BOX
  - 0+770 LT. (1 EA.)
  - 0+836 LT. (1 EA.)
  - 0+921 LT. (1 EA.)
- REMOVING SIGNS
  - 0+154 LT. (WSO)
  - 0+156 LT. (WSO)
  - 0+157 LT. (WSO)
  - 0+158 LT. (2 EA-WSO)
  - 1+62 LT COTTON MILL HILL (3 EA WSO)
  - 1+62 LT (WSO)

**PROJECT LAYOUT SHEET**  
# 11

PROJECT NAME:	<b>VERNON - BRATTLEBORO</b>
PROJECT NUMBER:	<b>AC STP 2126(1)S</b>
FILE NAME:	zpqve\98\cl84\pci84.dgn
PROJECT LEADER:	-----
IPARM NAME:	pci84\llj
PLOT DATE:	08-SEP-2009 13:3
DRAWN BY:	WILDER
CHECKED BY:	PAVI.MGMI
SHEET	22 OF 33

DURABLE 100mm WHITE LINE, THERMOPLASTIC  
I+300 - I+767 SOLID LT. & SOLID RT.

DURABLE 100mm YELLOW LINE, THERMOPLASTIC  
I+300 - I+767 SOLID LT. & SOLID RT.

TEMPORARY 100mm WHITE LINE, PAINT  
I+300 - I+767 SOLID LT. & SOLID RT.

TEMPORARY 100mm YELLOW LINE, PAINT  
I+300 - I+766 SOLID LT. & SOLID RT.

DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC  
I+708 RT.

STEEL BEAM GUARDRAIL, GALVANIZED W/2.4 M POSTS  
I+300 - I+368 LT.  
I+300 - I+390 RT.

STEEL BEAM GUARDRAIL, GALVANIZED  
I+572 - I+611 RT.  
I+611 RT. 3 # - 4.88 M RADIUS PANELS

REMOVAL AND DISPOSAL OF GUARD RAIL  
I+300 - I+368 LT.  
I+300 - I+390 RT.  
I+572 - I+611 RT.

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT  
I+740 RT.

MANUFACTURED TERMINAL SECTION, FLARED  
I+368 - I+379.4 LT. (1 EACH)  
~~I+390 - I+401.4 RT. (1 EACH)~~

ANCHOR FOR STEEL BEAM GUARD RAIL  
I+572 RT. (1 EA)  
I+611 RT. (2 EA.)  
I+375 RT (IEA)

**NOTE:**

- 1.) STA. 1+300 LT - STA. 1+368 LT. TOWN TO LOCATE WATER LINE BEFORE DOING GUARD RAIL WORK.
- 2.) STA. 1+300 RT - STA. 1+390 RT. TOWN TO LOCATE SEWER LINE BEFORE DOING GUARD RAIL WORK.

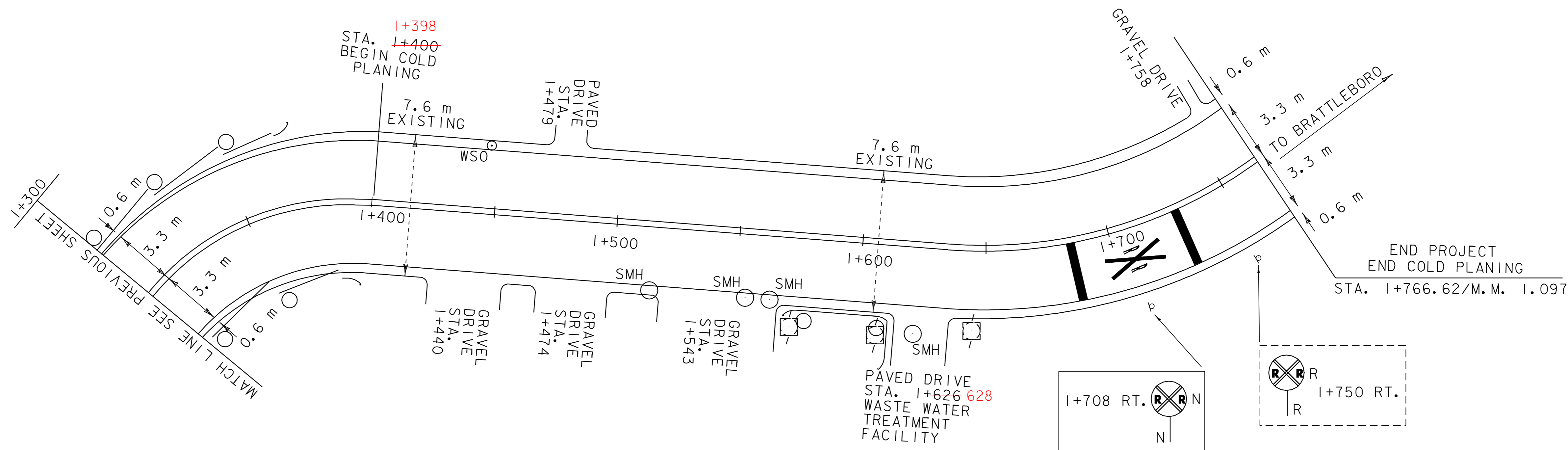
CHANGING ELEVATION OF SEWER MAN HOLE

I+515 RT.  
~~I+554 RT.~~  
I+564 RT.  
~~I+623 RT.~~

~~ADJUST ELEVATION OF VALVE BOX~~  
~~I+449 LT. (WSO)~~

REMOVING SIGNS

1 EA



SIGN LEGEND

- N = NEW
- R = REMOVE
- S = SALVAGE
- RET = RETAIN
- R & S = REMOVE & SALVAGE

**PROJECT LAYOUT SHEET**  
**# 12**

PROJECT NAME:	<b>VERNON - BRATTLEBORO</b>		
PROJECT NUMBER:	<b>AC STP 2126(1)S</b>		
FILE NAME:	zpqve\98cl84\pci84.dgn	PLOT DATE:	08-SEP-2009 13:3
PROJECT LEADER:		DRAWN BY:	WILDER
IPARM NAME :	pci84112.1	CHECKED BY:	PAVI_MGMT
		SHEET	23 OF 33

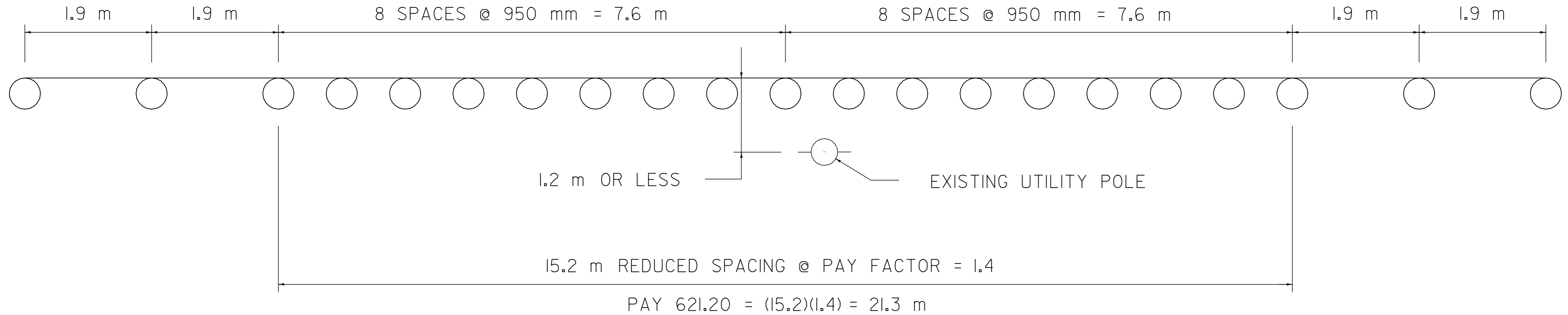






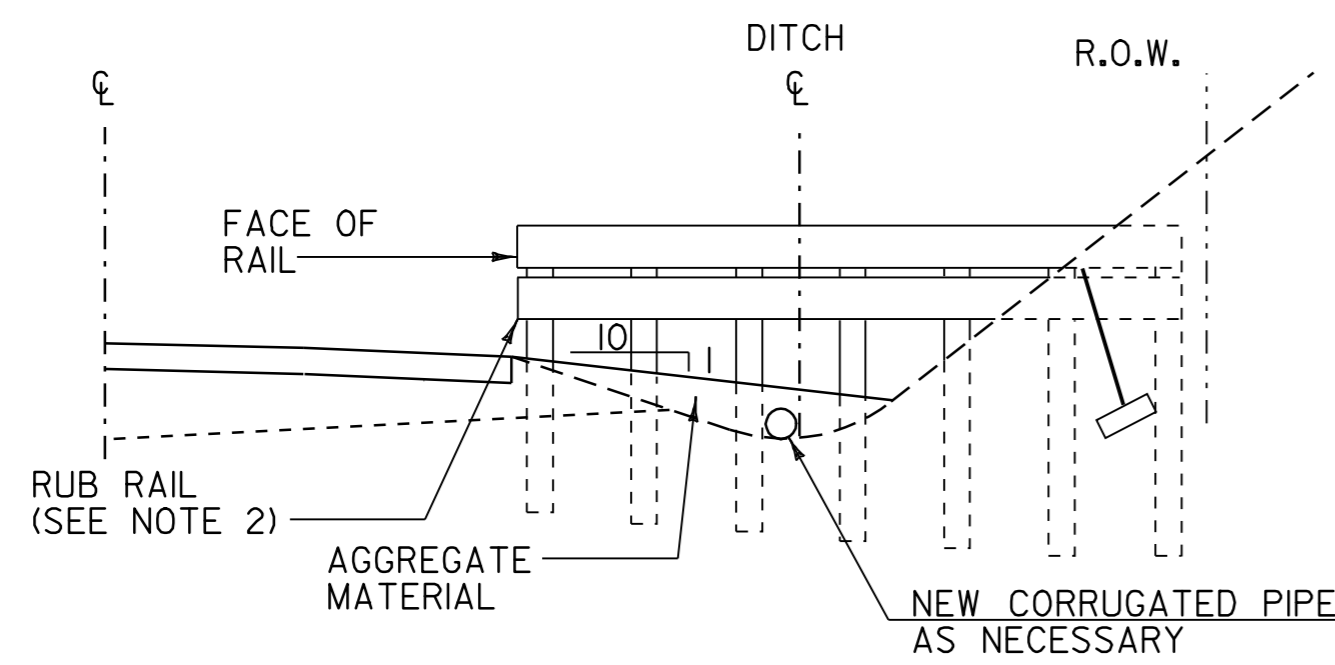




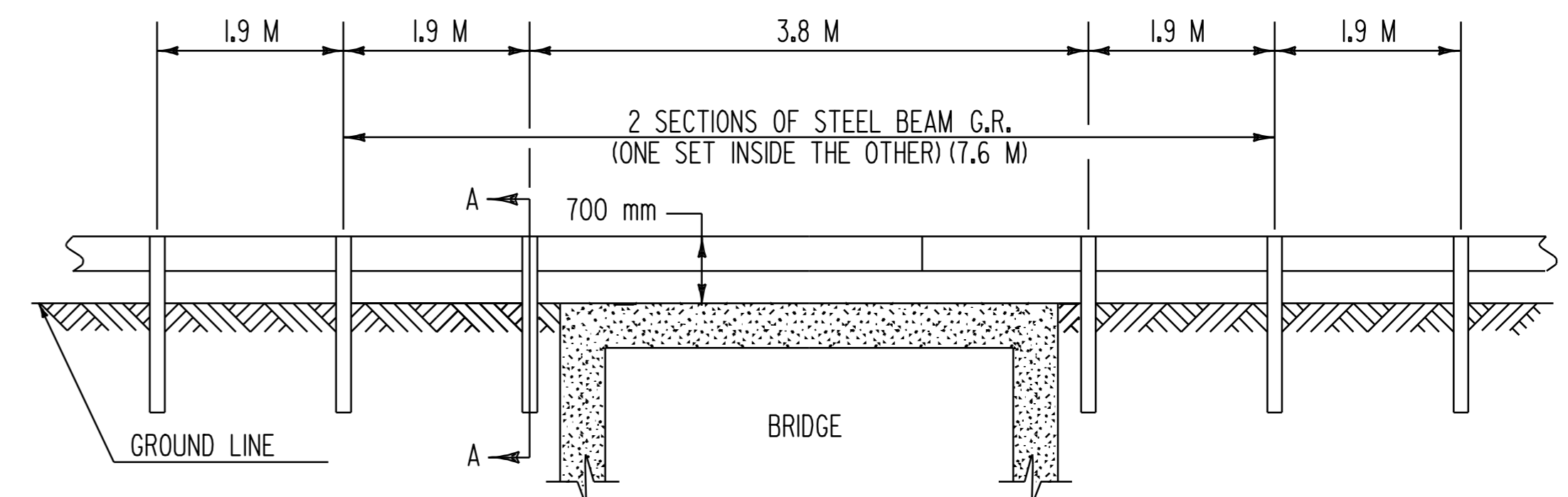


**REDUCED STEEL BEAM GUARDRAIL POST SPACING DETAIL**

NOT TO SCALE

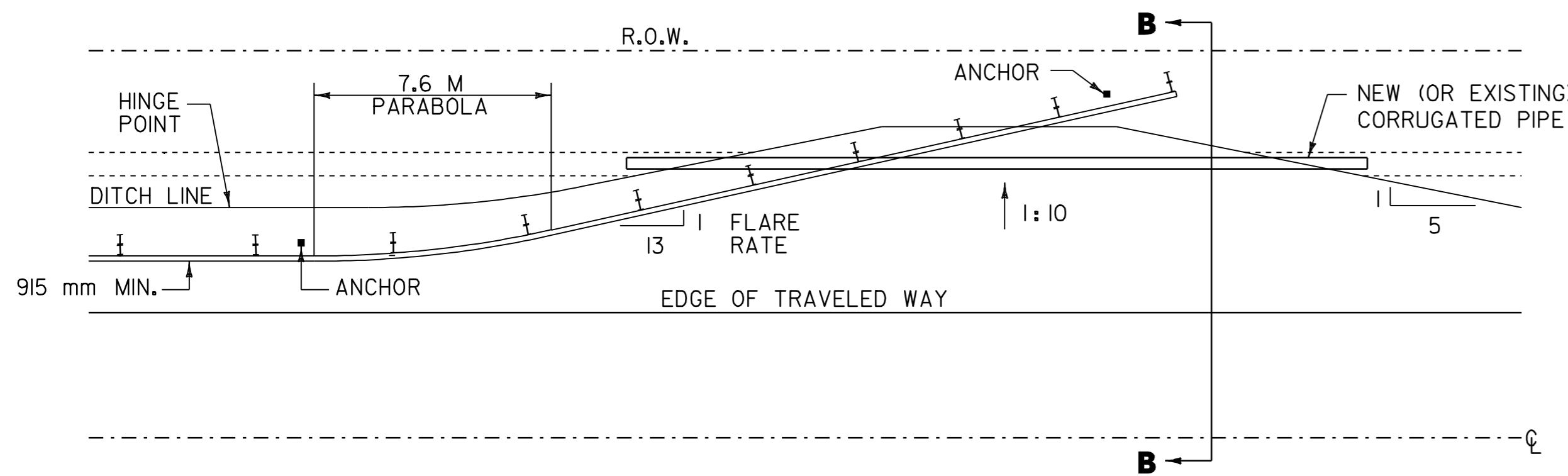


**SECTION B-B**

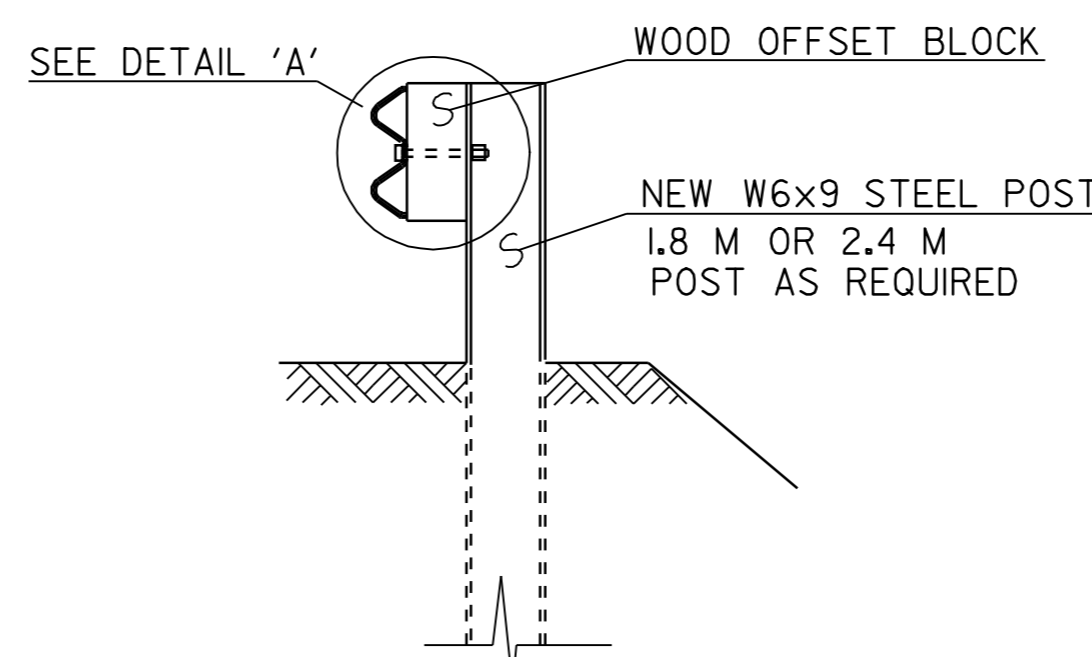


**DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS AND BRIDGES**

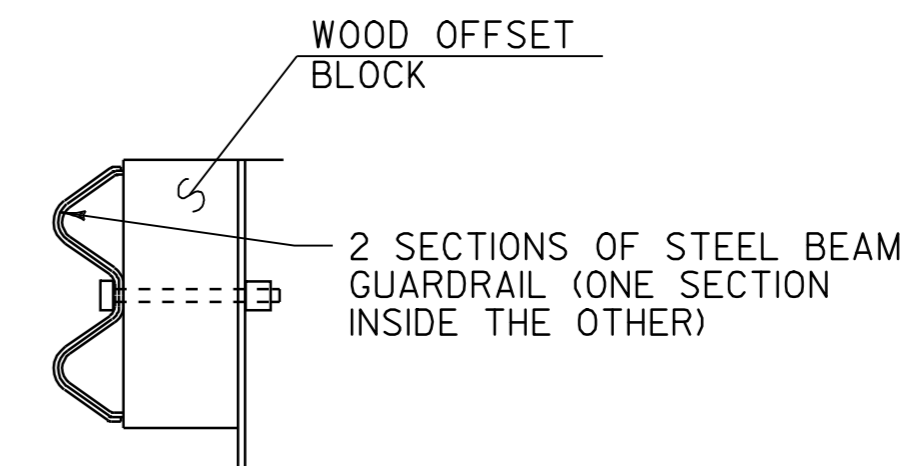
BRIDGE #1 - STA 0+921 (MM 0.572) (CONCRETE BOX)  
NOT TO SCALE



**DETAIL FOR BURIED GUARDRAIL ENDS INTO BACKSLOPES**



**SECTION A-A**  
NOT TO SCALE



**DETAIL A**  
NOT TO SCALE

**NOTES**

1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.

**NOTES:**

1. PRIMARY RAIL SHALL REMAIN AT A CONSTANT HEIGHT (LEVEL) RELATIVE TO THE HEIGHT OF RAIL AT THE EDGE OF SHOULDER.
2. ADDITION OF RUB RAIL IS REQUIRED WHEN OPENING BENEATH PRIMARY RAIL EXCEEDS 450 mm. RUB RAIL EXTENDS FROM THE EDGE OF SHOULDER TO THE BACK SLOPE. RUB RAIL PAID AS ITEM 621.20 STEEL BEAM GUARD RAIL, GALVANIZED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

<b>REDUCED POST SPACING DETAIL SHEET</b>	DRAWN BY <u>WILDER</u> DATE <u>MAR 05</u>
	SQUAD LEADER _____
	DESIGN FILE NO. <u>/pave/98cl84/pcl84.dgn</u>
	IPARM FILE <u>pcl84rps.i</u> DATE <u>08-SEP-2009 13:08</u>
	PROJ. NAME <u>VERNON - BRATTLEBORO</u>
PROJ. NO. <u>AC STP 2126(1)S</u>	
SHEET <u>29</u> OF <u>33</u>	

## ASPHALTIC PLUG BRIDGE JOINT GENERAL NOTES

### INSTALLATION:

THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.

THE JOINT AREA SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.

PROPERLY SIZED HEAT RESISTANT BACKER ROD SHALL BE PLACED IN THE MOVEMENT GAP ALLOWING FOR 25MM (1 INCH) +/- OF BINDER ABOVE THE ROD.

THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.

PLACE 6 MM (1/4 INCH) THICK BY 200 MM (8 INCH) WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER.

A. THE STEEL PLATES MAY BE OMITTED WHERE THE APPROACH SLAB IS COVERED WITH A STONE BASE OR BITUMINOUS PAVEMENT, AND VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.

THE INSTALLATION OF MATERIAL, COMPACTION, AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

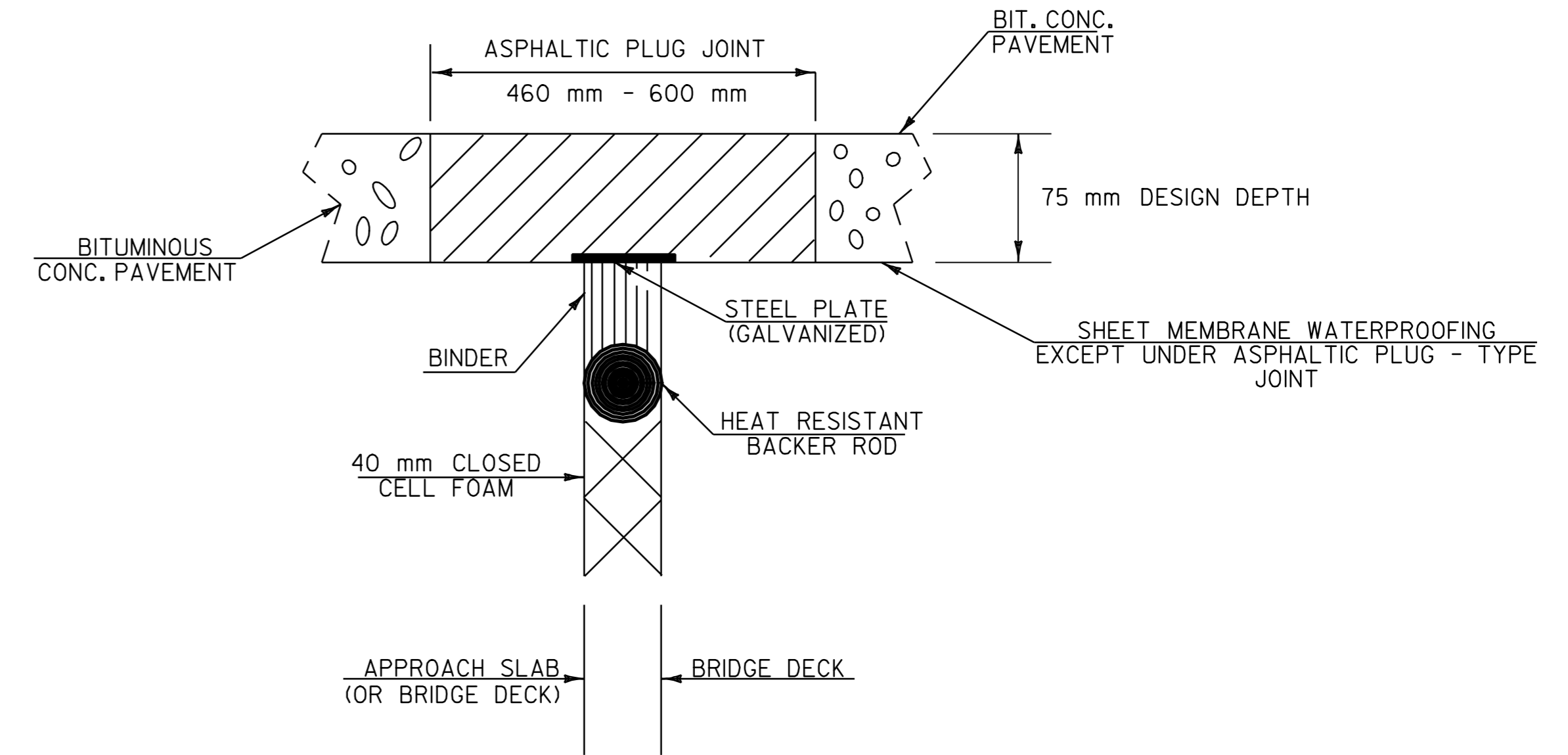
IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 52 C° +/- (125°F).

### WEATHER LIMITATIONS:

BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:

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



### ASPHALTIC PLUG-TYPE JOINT DETAIL

LOCATION

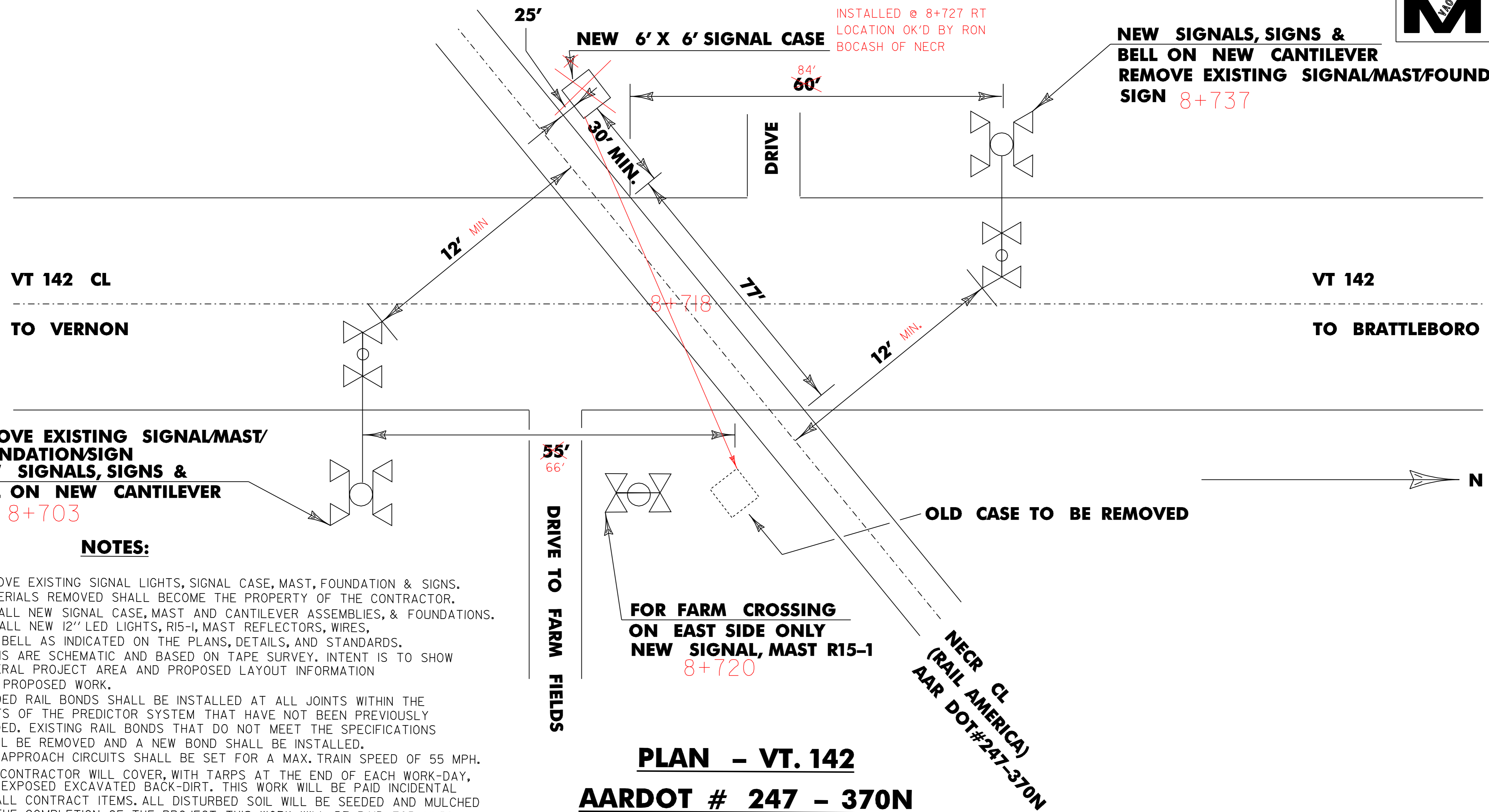
BRIDGE # 6 @ STA 13 + 362 (MM 8.303) ( 6.7 M )  
BRIDGE # 6 @ STA 13 + 392 (MM 8.321) ( 6.7 M )

**ASPHALTIC  
PLUG-TYPE  
JOINT DETAIL  
SHEET**

PROJECT NAME: <b>VERNON - BRATTLEBORO</b>	
PROJECT NUMBER: <b>AC STP 2126(1)S</b>	
FILE NAME: <u>/pave/98cl84/pcl84.dgn</u>	PLOT DATE: 08-SEP-2009 13:3
PROJECT LEADER: _____	DRAWN BY: _____
IPARM NAME : <u>pcl84ap1.d</u>	CHECKED BY: _____
	SHEET <u>30</u> OF <u>33</u>

INSTALLED @ 8+727 RT  
LOCATION OK'D BY RON  
BOCASH OF NECR

**NEW SIGNALS, SIGNS &  
BELL ON NEW CANTILEVER  
REMOVE EXISTING SIGNAL/MAST/FOUNDATION/  
SIGN 8+737**



**NOTES:**

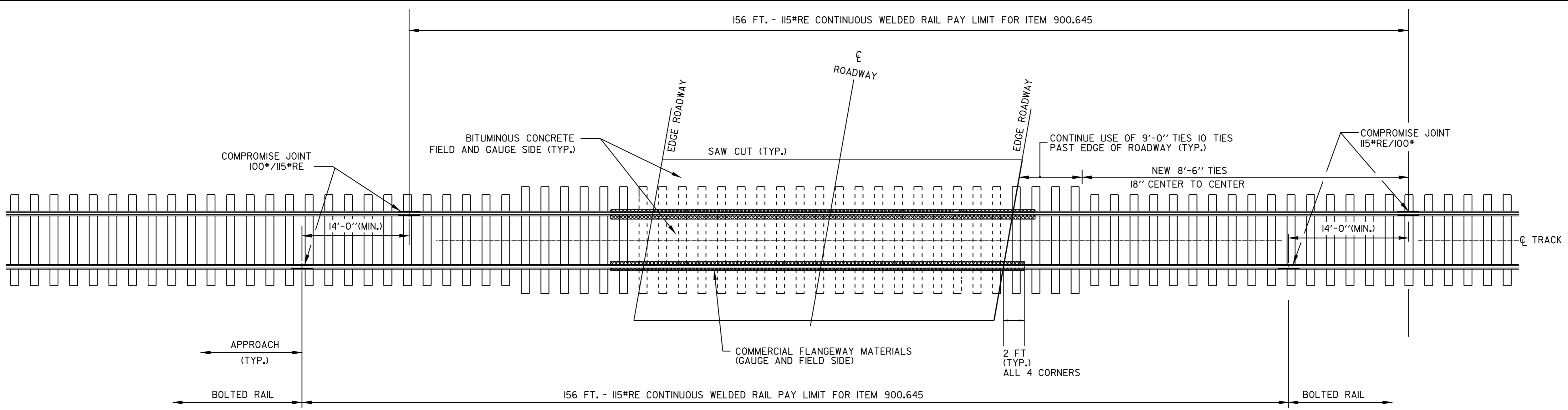
1. REMOVE EXISTING SIGNAL LIGHTS, SIGNAL CASE, MAST, FOUNDATION & SIGNS. MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
2. INSTALL NEW SIGNAL CASE, MAST AND CANTILEVER ASSEMBLIES, & FOUNDATIONS. INSTALL NEW 12" LED LIGHTS, R15-1, MAST REFLECTORS, WIRES, AND BELL AS INDICATED ON THE PLANS, DETAILS, AND STANDARDS.
3. PLANS ARE SCHEMATIC AND BASED ON TAPE SURVEY. INTENT IS TO SHOW GENERAL PROJECT AREA AND PROPOSED LAYOUT INFORMATION FOR PROPOSED WORK.
4. WELDED RAIL BONDS SHALL BE INSTALLED AT ALL JOINTS WITHIN THE LIMITS OF THE PREDICTOR SYSTEM THAT HAVE NOT BEEN PREVIOUSLY BONDED. EXISTING RAIL BONDS THAT DO NOT MEET THE SPECIFICATIONS SHALL BE REMOVED AND A NEW BOND SHALL BE INSTALLED. THE APPROACH CIRCUITS SHALL BE SET FOR A MAX. TRAIN SPEED OF 55 MPH.
5. THE CONTRACTOR WILL COVER, WITH TARPS AT THE END OF EACH WORK-DAY, ANY EXPOSED EXCAVATED BACK-DIRT. THIS WORK WILL BE PAID INCIDENTAL TO ALL CONTRACT ITEMS. ALL DISTURBED SOIL WILL BE SEEDED AND MULCHED AT THE COMPLETION OF THE PROJECT. THIS WORK WILL BE PAID FOR UNDER THE APPROPRIATE CONTRACT ITEMS.
6. THE CONTRACTOR SHALL PROVIDE HORIZONTAL AND VERTICAL CONTROL IN ORDER TO LOCATE EXISTING TRACK ALIGNMENT AND PROFILE. THE CONTRACTOR SHALL CONSTRUCT PROPOSED TRACK AND ROADWAY LIKE EXISTING GEOMETRY UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
7. FINAL TIE-INS OF FLASHING BEACON WIRING TO BE PERFORMED BY RAILROAD. STUB TO BE AT NEW 6' X 6' SIGNAL CASE. PAYMENT SHALL BE INCIDENTAL TO ITEM 678.I6 FLASHING BEACON - GROUND MOUNTED.

**PLAN - VT. 142  
AARDOT # 247 - 370N**

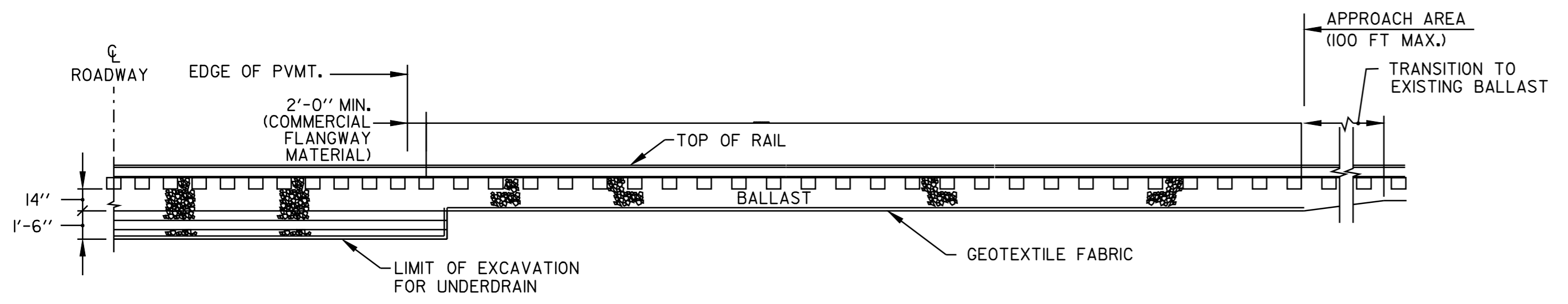
NTS

**REVISED 07-13-07  
ALL UNITS ARE ENGLISH UNITS**

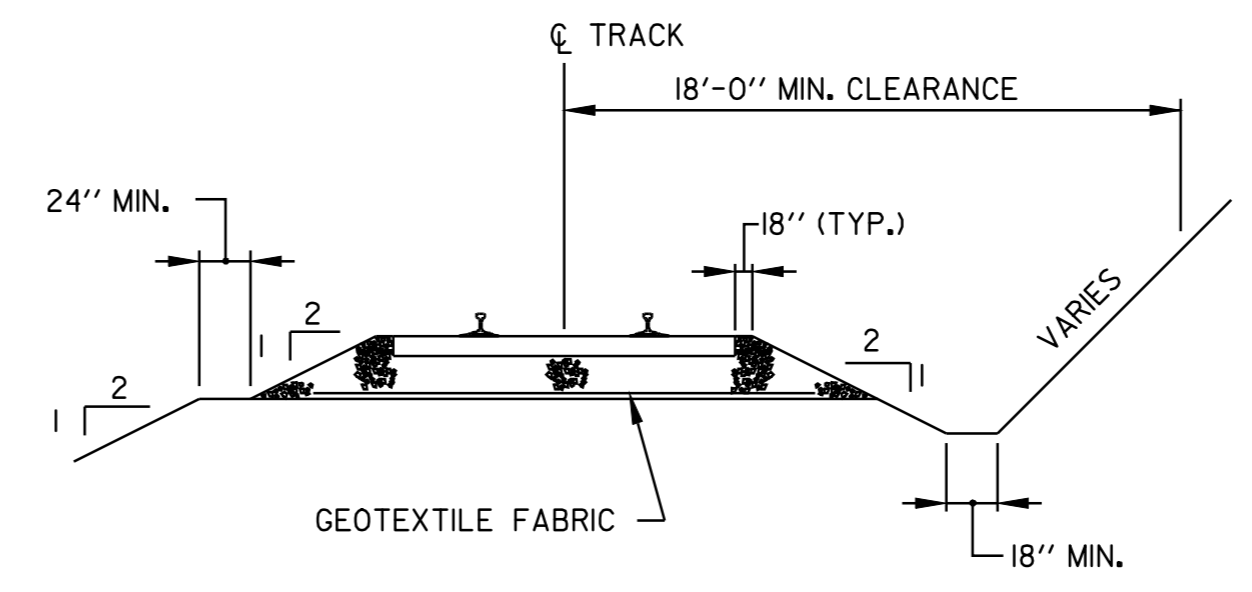
<b>RAILROAD DETAIL SHEET # 1</b>	PROJECT NAME: <b>VERNON - BRATTLEBORO</b>	FILE NAME: <i>/pave/98cl84/pcl84.dgn</i>	PLOT DATE: 08-SEP-2009 13:3
	PROJECT NUMBER: <b>AC STP 2126(1)S</b>	PROJECT LEADER: <i>pcl84rrdsl.i</i>	DRAWN BY: _____
		IPARM NAME : <i>pcl84rrdsl.i</i>	CHECKED BY: _____
			SHEET <u>31</u> OF <u>33</u>



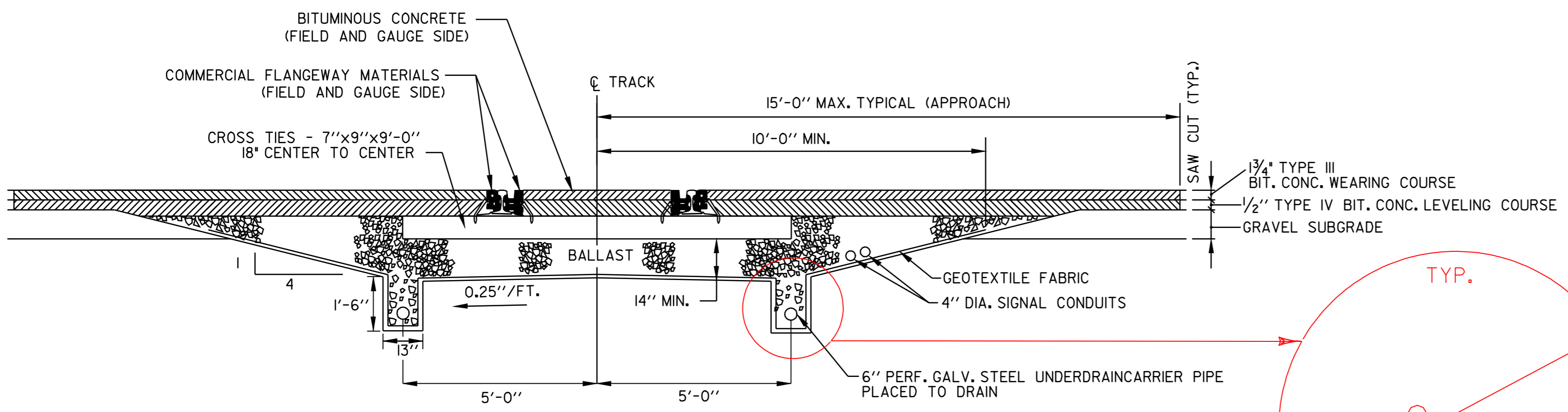
**TYPICAL PLAN VIEW**



**TYPICAL LONGITUDINAL SECTION**



**TYPICAL SECTION**



**TYPICAL TRANSVERSE SECTION**

TYP.  
ELIMINATED "TRENCH"  
OK'D BY RON BOCASH,  
NECR

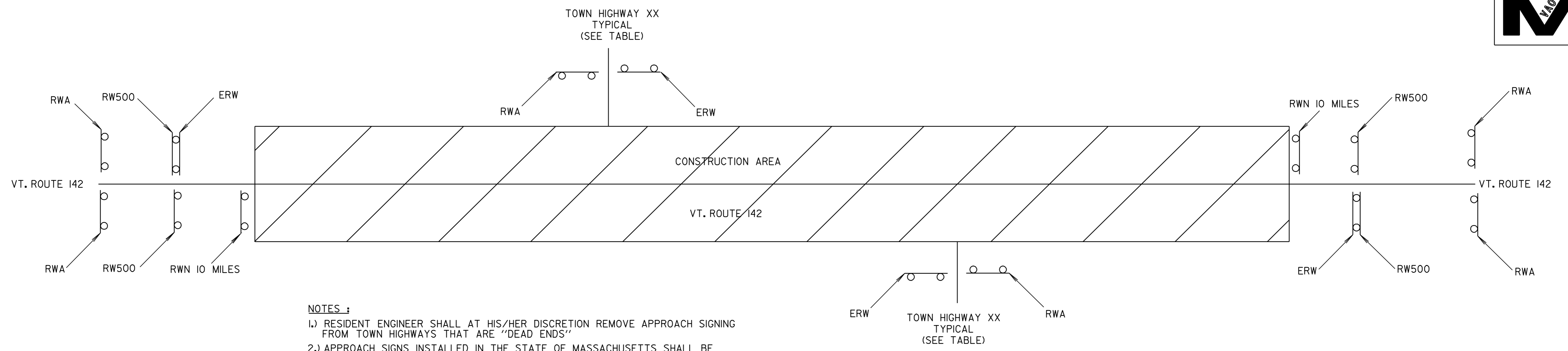
**GENERAL NOTES**

1. ALL RAIL JOINTS WITHIN THE CROSSING AREA AND 50' - 0" BEYOND WILL BE CROPPED AND WELDED IN ACCORDANCE WITH THE LATEST REVISION OF A.R.E.M.A. SPECIFICATIONS AT AN OFF-SITE ELECTRIC WELDING PLANT. WELDING CAN BE DONE IN FIELD UTILIZING THERMITE WELDING WITH ADVANCE APPROVAL FROM THE AGENCY. WELDED JOINTS SHALL BE GROUND TO CONFORM TO THE SHAPE OF THE RAIL ON GAUGE AND FIELD SIDES.
2. TIE SPACING UNDER CWR AREA SHALL BE 18 INCHES ON CENTER OR AS REQUIRED IN CROSSING PANEL AREA BY MANUFACTURER.
3. NEW 7" x 9" x 9"-0" AND 7" x 9" x 8'-6" TIES SHALL BE USED IN CROSSING AREA AS SHOWN. TIES IN APPROACH AREAS SHALL BE REPLACED AS RECOMMENDED BY THE RAILROAD AND APPROVED BY THE ENGINEER.
4. TIE PLATES SHALL BE NEW 14 INCH PLATES, MANUFACTURED FOR THE RAIL SIZE USED. PLATES SHALL BE INSPECTED AND APPROVED BY THE RAILROAD AND THE ENGINEER. RAIL FASTENERS SHALL BE CUT TRACK SPIKES.
5. BALLAST SHALL EXTEND 18" BEYOND END OF TIES AND SLOPED 1:2 TO THE ROADBED. (SEE DETAIL)
6. TYPE AND DESIGN OF COMMERCIAL FLANGWAY MATERIALS SHALL RECEIVE APPROVAL FROM THE ENGINEER.
7. MANUFACTURERS SPECIFICATIONS SHALL BE FOLLOWED FOR THE INSTALLATION OF COMMERCIAL FLANGWAY MATERIALS.
8. INSTALLATION OF INSULATED JOINTS: THE STAGGER BETWEEN RAIL JOINTS SHALL BE 3'-6" TO 4'-6".
9. APPROACH ASPHALT ROADWAY PAVING SHALL FOLLOW LATEST EDITION OF THE AGENCY'S STANDARD SPECIFICATION FOR CONSTRUCTION AND SHALL BE INSTALLED WITH PAVING MACHINE WITH MINIMUM 3" LIFTS (UNLESS OTHERWISE DIRECTED BY THE ENGINEER) AND SHALL BE LAID PARALLEL TO CROSSING TO MINIMIZE APPROACH SETTLEMENT.
10. CONTRACTOR SHALL ADD BALLAST, LINE, TAMP, AND SURFACE TRACK IN APPROACH AREAS TO OBTAIN A SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED TRACK TO THE SATISFACTION OF THE ENGINEER AND RAILROAD. THIS WORK IS INCIDENTAL TO 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING) (VT 142-AARDOT 247-370N)
11. JOINTS SHOULD BE A MINIMUM OF 50'-0" AND A MAXIMUM OF 70'-0" FROM EDGE OF ROADWAY.

**NOT TO SCALE**

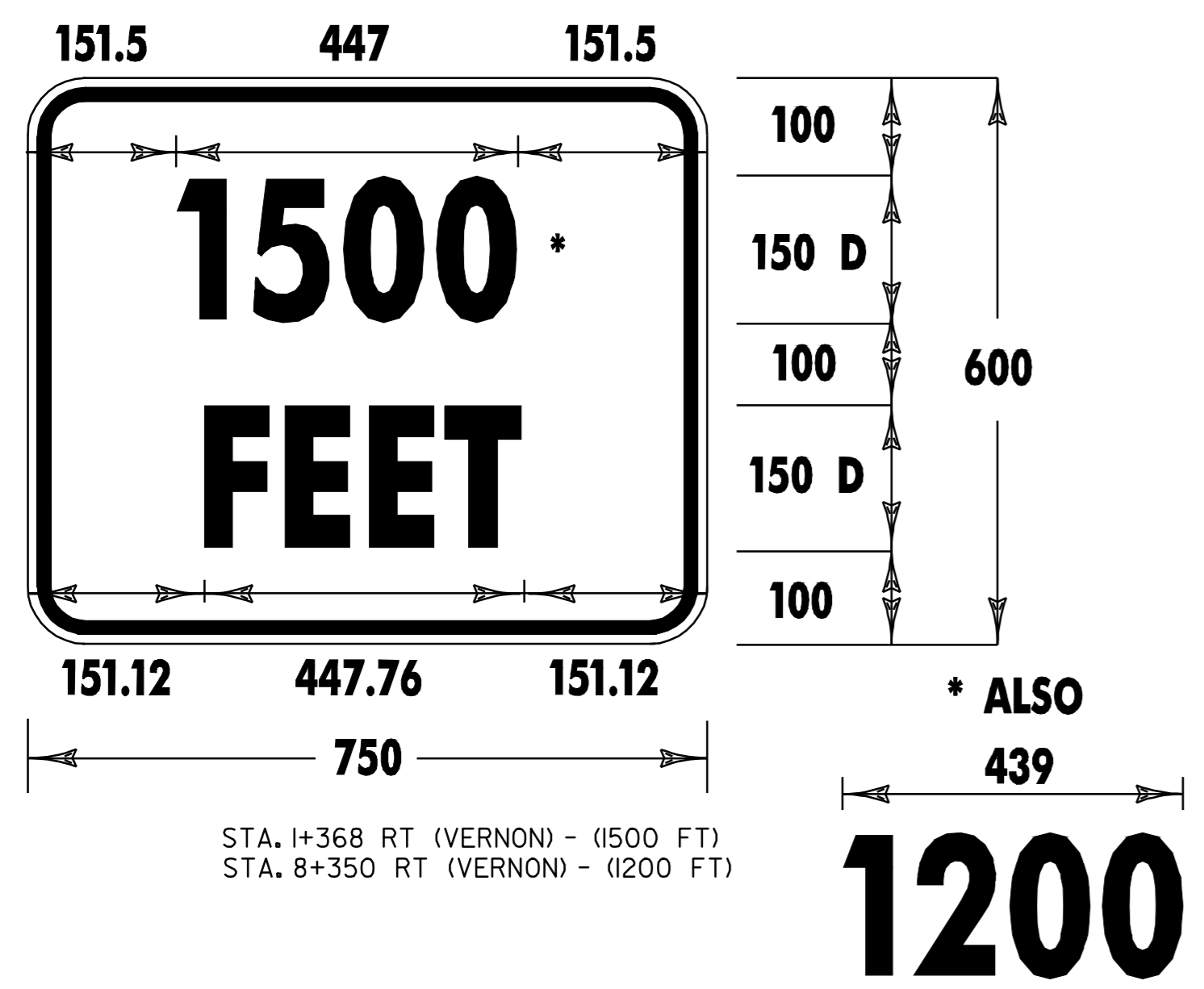
**REVISED 07-13-07  
ALL UNITS ARE ENGLISH UNITS**

<b>RAILROAD DETAIL SHEET # 2</b>	PROJECT NAME: <b>VERNON - BRATTLEBORO</b>	FILE NAME: <i>/pave/98cl84/pcl84.dgn</i>	PLOT DATE: 08-SEP-2009 13:3
	PROJECT NUMBER: <b>AC STP 2126(1)S</b>	PROJECT LEADER: <i>pave/98cl84/pcl84.dgn</i>	DRAWN BY: _____
		IPARM NAME: <i>pcl84rrds2.1</i>	CHECKED BY: _____
			SHEET <u>32</u> OF <u>33</u>

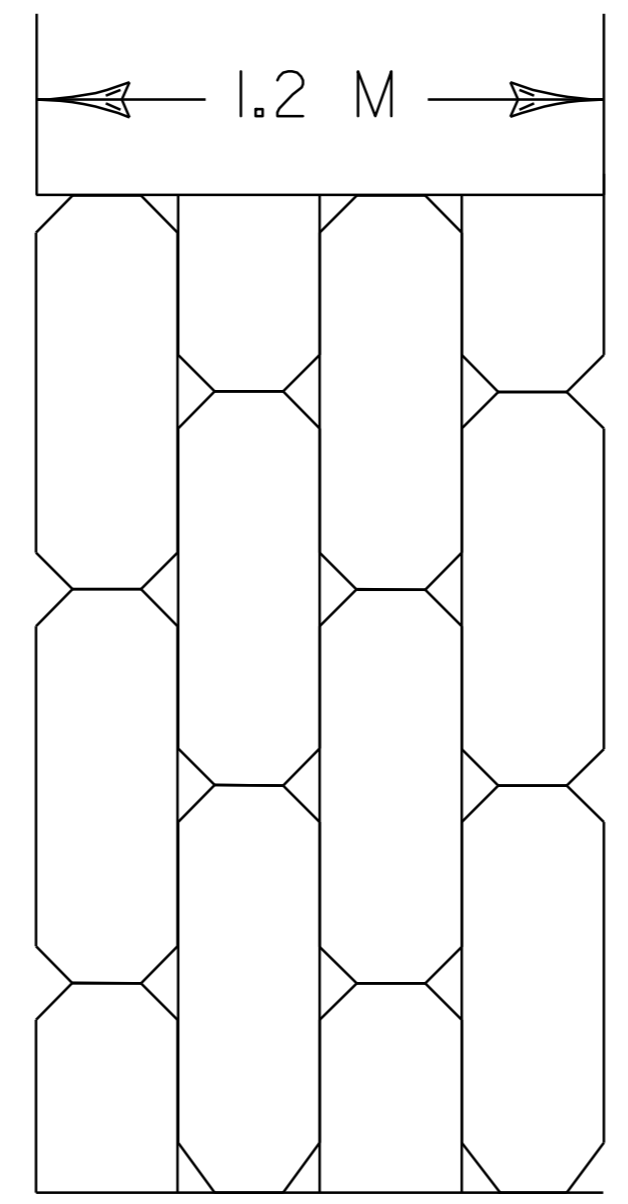


- NOTES :**
- 1.) RESIDENT ENGINEER SHALL AT HIS/HER DISCRETION REMOVE APPROACH SIGNING FROM TOWN HIGHWAYS THAT ARE "DEAD ENDS"
  - 2.) APPROACH SIGNS INSTALLED IN THE STATE OF MASSACHUSETTS SHALL BE COORDINATED WITH TOM WALKER, NORTHFIELD, MA. HIGHWAY SUPERINTENDENT AT 413-498-5117. DIG SAFE SHOULD BE NOTIFIED AT 1-888-344-7233 PRIOR TO THE INSTALLATION OF ANY APPROACH SIGNS IN MASSACHUSETTS.
  - 3.) PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER CONTRACT ITEM 64I.10.

- LEGEND**
- RWA = ROAD WORK AHEAD
  - RW500 = ROAD WORK 500 FT
  - ERW = END ROAD WORK
  - RWN = ROAD WORK NEXT 10 MILES



**900.675 SPECIAL PROVISION  
(IMPRINTED/COLORIZED SURFACE)**



STA. 5+840 - 6+009 RT.

- NOTES :**
- 1.) SAWCUT PAVEMENT AT EDGES AND REMOVE PAVEMENT INSIDE TO 20 MM DEPTH.
  - 2.) SURFACING SHALL BE A HOT APPLIED SYNTHETIC ASPHALT COMPOUND, 'IMPRINT' TECHNOLOGY, OR APPROVED EQUAL.
  - 3.) MATERIAL GRADE OF THE SURFACING TREATMENT SHALL MEET THE REQUIREMENTS FOR HEAVILY TRAFFICKED ROADS AND NORTHERN U.S. TEMPERATURES.
  - 4.) INSTALL PER MANUFACTURER'S INSTRUCTIONS.
  - 5.) SURFACING SHALL BE A THROUGH TERRA-COTTA COLOR MATERIAL NOT SURFACE PAINTED. SURFACE SHALL BE STAMPED WITH A STANDARD BRICK PATTERN.

TOWN HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500 FT	ROAD WORK NEXT 10 MILES	OTHER
<b>VERNON</b>					
BEGIN PROJECT (VERMONT RTE. 142)	2	1	2	1	
TH #23 (DEPOT ST.)	1	1			
TH #2 (LILLY POND ROAD)	1	1			
TH #37 (VALLEY VIEW DRIVE)	1	1			
TH #25	1	1			
TH #17 (NEWTON RD.)	1	1			
TH #15 (BLODGETT RD.)	1	1			
TH #5 (STEBBINS RD.)	1	1			
TH #5 (STEBBINS RD.)	1	1			
TH #2 (LILLY POND ROAD)	1	1			
TH#4 (GOVENOR HUNT ROAD)	1	1			
TH#10 (BURROWS ROAD)	1	1			
TH#4 (GOVENOR HUNT ROAD)	1	1			
SA #1 (TYLER HILL ROAD)	1	1			
TH #26 (HUBBARD ROAD)	1	1			
TH #6 (BROAD BROOK ROAD)	1	1			
	1	1			
<b>BRATTLEBORO</b>					
TH #548 (COTTON MILL HILL)	1	1			
TH #496 (MORNINGSIDE ROAD)	1	1			
END PROJECT (VERMONT RTE. 142)	2	1	2	1	
TOTALS	23	21	4	2	

**CONSTRUCTION APPROACH SIGNING**

NOT TO SCALE  
SEE STD E-100 FOR SIGN PLACEMENT

**CONSTRUCTION APPROACH SIGNING SHEET**

PROJECT NAME: **VERNON - BRATTLEBORO**

PROJECT NUMBER: **AC STP 2126(1)S**

FILE NAME: /pave/98cl84/pcl84.dgn PLOT DATE: 08-SEP-2009 13:3

PROJECT LEADER: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_

IPARM NAME : pcl84cas.l CHECKED BY: \_\_\_\_\_

SHEET 33 OF 33

**38 mm RADIUS**  
**16 mm BORDER**  
**10 mm INDENT**

**COLORS:**  
**BLACK ON YELLOW**

**MATERIALS:**  
**SEE STD. E-131**

STA. 0+122 RT (VERNON)  
STA. 3+363 LT (VERNON)