INDEX OF SHEETS

SEE SHEET 2

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. – BERLIN, VT

RESIDENT ENGINEER: VIC DWIRE

CONSTRUCTION BEGAN: JULY 31, 2006

CONSTRUCTION COMPLETE: November, 2006

RECORD PLANS BY: VIC DWIRE & C. PIERCE

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

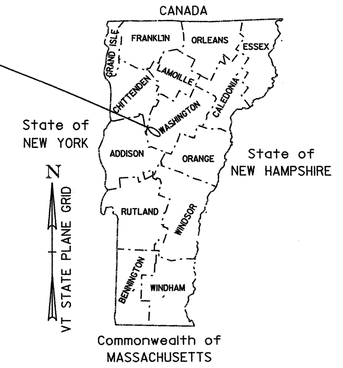
BY /s/ Vic Dwire RESIDENT ENGINEER

DATE 5/19/08

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.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROJECT LOCATION
STP 2406(1)S &
AC **STP 2227(1)S**



PROPOSED IMPROVEMENT
PAVING PROJECT
TOWNS OF FAYSTON, WAITSFIELD & MORETOWN
COUNTY OF WASHINGTON
VT. ROUTES 17 & 100

FAYSTON – WAITSFIELD STP 2406(1)S

BEGINNING IN FAYSTON ON VT. ROUTE 17 AT STA. 7+229.00 (MM 4.492) AND EXTENDING EASTERLY ALONG VT. ROUTE 17 FOR A DISTANCE OF 2,235.33 METERS (1.389 MILES) TO A POINT IN WAITSFIELD AT STA. 0+091.73 (MM 0.057).

PROJECT DATA:
VT. ROUTE 17 STA. 7+229.00 (MM 4.492) (FAYSTON) TO STA. 9+372.60 (MM 5.824) (FAYSTON)
VT. ROUTE 17 STA. 0+000.00 (MM 0.000) (WAITSFIELD) TO STA. 0+091.73 (MM 0.057) (WAITSFIELD)

LENGTH OF ROADWAY	2,235.33 METERS	1.389 MILES
LENGTH OF PROJECT	2,235.33 METERS	1.389 MILES

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

WAITSFIELD – MORETOWN AC STP 2227(1)S

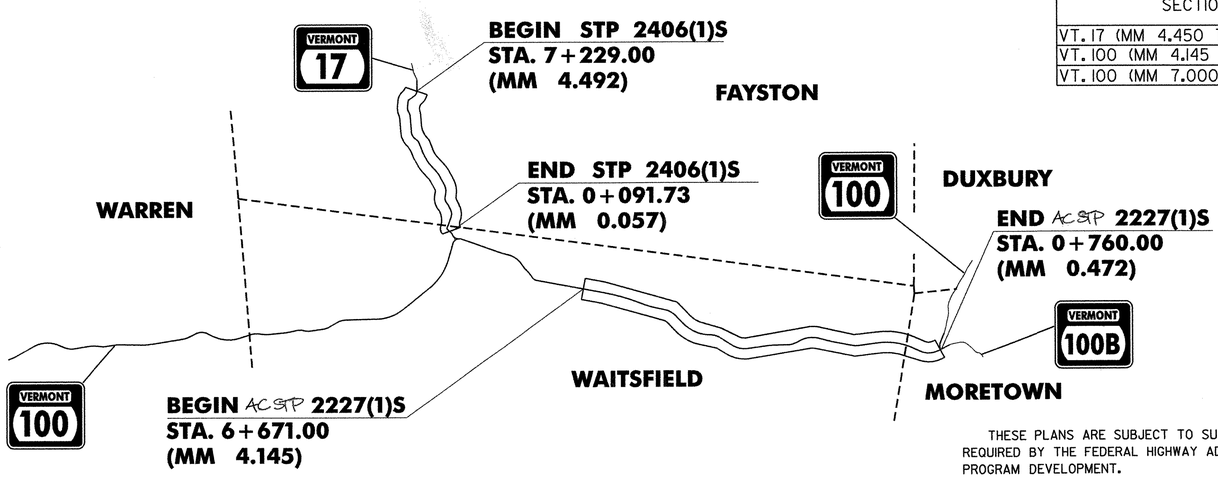
BEGINNING IN WAITSFIELD ON VT. ROUTE 100 AT STA. 6+671.00 (MM 4.145) AND EXTENDING NORTHERLY ALONG VT. ROUTE 100 A DISTANCE OF 6,287.40 METERS (3.907 MILES) TO A POINT IN MORETOWN AT STA. 0+760.00 (MM 0.472).

PROJECT DATA:
VT. ROUTE 100 STA. 6+671.00 (MM 4.145) (WAITSFIELD) TO STA. 12+198.40 (MM 7.580) (WAITSFIELD)
VT. ROUTE 100 STA. 0+000.00 (MM 0.000) (MORETOWN) TO STA. 0+760.00 (MM 0.472) (MORETOWN)

LENGTH OF ROADWAY	6,287.40 METERS	3.907 MILES
LENGTH OF PROJECT	6,287.40 METERS	3.907 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RECLAIMING AND/OR COLD PLANING SEGMENTS OF THE EXISTING HIGHWAY AND OVERLAYING WITH A BINDER AND/OR LEVELING COURSE AND A WEARING COURSE, WITH PAVEMENT MARKINGS, GUARDRAIL IMPROVEMENTS, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS.

SECTION	ADT		DHV		ESAL's	ESAL's
	2006	2016	2006	2016	(2006-2016)	(2006-2026)
VT. 17 (MM 4.450 TO MM 0.057)	4,200	4,800	580	660	360,000	849,000
VT. 100 (MM 4.145 TO MM 7.000)	6,800	7,800	960	1,100	1,016,000	2,557,000
VT. 100 (MM 7.000 TO MM 0.472)	5,700	6,500	850	930	1,065,000	2,824,000



VT. 17, FAYSTON - WAITSFIELD, MM 4.492 TO MM 0.057	
VT. 100, WAITSFIELD - MORETOWN, MM 4.145 TO MM 0.472	
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL (20 YEAR)	1,412,000
DESIGN NUMBER OF GYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

VAOT Metric

UNLESS NOTED OTHERWISE
STATIONS ARE IN KILOMETERS
ELEVATIONS ARE IN METERS
DIMENSIONS ARE IN MILLIMETERS

CONVENTIONAL SYMBOLS

FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE

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

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED /s/ Richard Tetreau DATE 4-10-06

PROJECT MANAGER : MARK WOOLAVER

PROJECT : FAYSTON - WAITSFIELD STP 2406(1)S
AND
WAITSFIELD - MORETOWN AC STP 2227(1)S

SHEET 1 OF 54 SHEETS

INDEX OF SHEETS

VAOT Metric

COMPOSITE SHEETS

FAYSTON - WAITSFIELD STP 2406(I)S SHEETS

WAITSFIELD - MORETOWN STP 2227(I)S SHEETS

STANDARDS

DATUM

VERTICAL _____

HORIZONTAL _____

INDEX OF SHEETS

PROJECT: FAYSTON - WAITSFIELD STP 2406(1)S & WAITSFIELD - MORETOWN STP 2227(1)S

DESIGN FILE NAME: pave/00b058/00b058.dgn

IPARM FILE NAME: 00b058ind.i

PLOT DATE: 23-MAY-2008

SURVEYED BY:

SURVEY DATE:

SQUAD LEADER: LFW

DRAWN BY: LFW

SHEET: 2 OF 54

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 1

VAOT Metric

FAYSTON-WAITSFIELD STP 2406(I)S			WAITSFIELD - MORETOWN STP 2227(I)S					APPROXIMATE SUMMARY OF QUANTITIES		
FULL E & C	BRIDGE	ROADWAY	FULL E & C	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	4	-	-	4	8	EA	THINNING AND TRIMMING (FOR SIGNS)	201.31	
-	-	-	-	-	10	10	m^3	COMMON EXCAVATION	203.15	
-	-	210	-	-	2,000	2,210	m^3	EARTH BORROW	203.30	
-	-	0.2	-	-	0.8	1	m^3	TRENCH EXCAVATION OF EARTH (N.A.B.I.)	204.20	
-	-	20,300	-	-	47,500	67,800	m^2	COLD PLANING - BITUMINOUS PAVEMENT	210.10	
-	-	1,500	-	-	8,350	9,850	t	SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.)	301.28	
-	-	-	-	-	54,500	54,500	m^2	RECLAIMED STABILIZED BASE	310.20	
-	-	590	-	-	2,900	3,490	t	AGGREGATE SHOULDERS (MOD.)	402.12	
-	-	2,500	-	-	14,000	16,500	kg	EMULSIFIED ASPHALT	404.65	
-	-	0.2	-	-	0.8	1	LU	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.)	406.50	
-	-	2,000	-	-	21,000	23,000	t	SUPERPAVE BITUMINOUS CONC. PAVE. (PG 58-34)	490.30	
-	1	-	-	-	-	1	m^3	CONCRETE - CLASS A	501.22	
-	100	-	-	-	-	100	KG	REINFORCING STEEL	507.15	
-	36	-	-	20	-	56	m	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG)	516.10	
-	-	-	-	70	-	70	m	REMOVAL OF EXISTING RAILING	525.10	
-	-	-	-	-	50	50	m	375mm CSP 1.63mm (68mm x 12mm)	601.0010	
-	-	-	-	-	50	50	m	450mm CSP 1.63mm (68mm x 12mm)	601.0015	
-	-	-	-	-	100	100	m	450mm CPEP	601.0915	
-	-	-	-	-	3	3	EA	375mm CSPES 1.63mm (68mm x 12mm)	601.6010	
-	-	-	-	-	3	3	EA	450mm CSPES 1.63mm (68mm x 12mm)	601.6015	
-	-	-	-	-	5	5	EA	450mm CPEPES	601.7015	
-	-	3	-	-	8	11	EA	REHABING OF DI, CB OR MH, CLASS I	604.412	
-	-	-	-	-	100	100	m	150mm UNDERDRAIN	605.10	
-	-	50	-	-	100	150	HR	POWER GRADER RENTAL	608.15	
-	-	90	-	-	350	440	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	
-	-	30	-	-	50	80	HR	POWER BROOM RENTAL	608.30	
-	-	10	-	-	30	40	HR	POWER BROOM RENTAL, TYPE II	608.31	
-	-	180	-	-	700	880	HR	TRUCK RENTAL	608.37	
-	-	-	-	-	10	10	t	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15	
-	-	10	-	-	170	180	m^3	STONE FILL, TYPE I	613.10	
-	-	5	-	-	10	15	t	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	
-	-	-	-	-	1	1	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	
-	-	-	-	-	1	1	EA	RELOCATE MAILBOX, MULTIPLE SUPPORT	617.12	
-	-	38	-	-	35	73	EA	YIELDING MARKER POSTS	619.17	
-	-	450	-	-	-	450	m	STEEL BEAM GUARDRAIL (GALVANIZED)	621.20	
-	-	-	-	-	1,600	1,600	m	BOX BEAM GUARDRAIL (GALVANIZED)	621.30	
-	-	-	-	170	-	170	m	BOX BEAM GUARDRAIL (GALVANIZED) (MOD. 3)	621.30	
-	-	220	-	-	800	1,020	m	BOX BEAM GUARDRAIL (GALVANIZED)(2.1 m POSTS)	621.30	
-	-	3	-	-	-	3	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	
-	-	4	-	-	-	4	EA	TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL	621.53	
-	-	3	-	-	-	3	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	
-	-	520	-	-	2,325	2,845	m	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	
-	-	-	-	-	10	10	EA	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

NOTE: REFER TO SHEETS 8 AND 9 FOR THE INDIVIDUAL QUANTITY SHEETS FOR FAYSTON - WAITSFIELD STP 2406(1)S AND SHEETS 27 AND 28 FOR THE WAITSFIELD - MORETOWN STP 2227(1)S PROJECT.

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									

pave/00b058/00b058.dgn
00b058qscl.i 23-MAY-2008 12:54

PROJECT NAME FAYSTON - WAITSFIELD STP 2406(I)S AND
PROJECT NUMBER WAITSFIELD - MORETOWN STP 2227(I)S

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 2

VAOT Metric

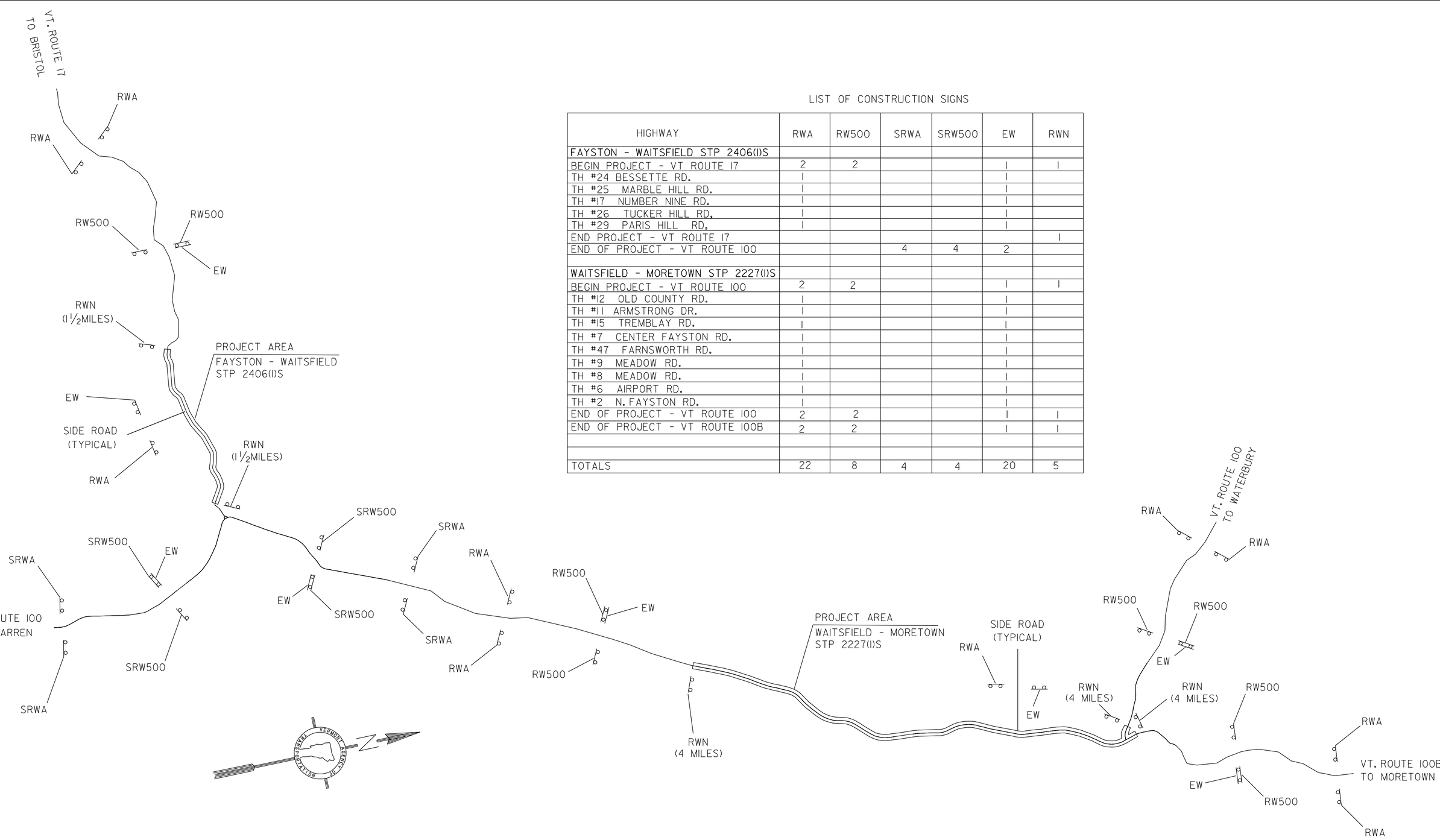
FAYSTON-WAITSFIELD STP 2406(I)S			WAITSFIELD - MORETOWN STP 2227(I)S					APPROXIMATE SUMMARY OF QUANTITIES		
FULL E & C	BRIDGE	ROADWAY	FULL E & C	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
-	-	300	-	-	1,000	1,300	HR	UNIFORMED TRAFFIC OFFICERS	630.10	
-	-	3,000	-	-	4,800	7,800	HR	FLAGGERS	630.15	
0.2	-	-	0.8	-	-	1	LS	FIELD OFFICE - ENGINEERS	631.10	
0.2	-	-	0.8	-	-	1	LS	TESTING EQUIPMENT - CONCRETE	631.16	
0.2	-	-	0.8	-	-	1	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	
0.2	-	-	0.8	-	-	1	LU	FIELD OFFICE - TELEPHONE (N.A.B.I.)	631.25	
-	-	0.2	-	-	0.8	1	LS	MOBILIZATION/DEMOBILIZATION	635.11	
-	-	0.2	-	-	0.8	1	LS	TRAFFIC CONTROL	641.10	
-	-	0.2	-	-	0.8	1	LS	PUBLIC RELATIONS OFFICER	641.12	
-	-	3	-	-	3	6	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	
-	-	4,250	-	-	12,600	16,850	m	DURABLE 100 mm WHITE LINE (THERMOPLASTIC)	646.40	
-	-	4,250	-	-	12,200	16,450	m	DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)	646.41	
-	-	50	-	-	60	110	m	DURABLE 600 mm STOP BAR (THERMOPLASTIC)	646.46	
-	-	20	-	-	34	54	EA	DURABLE LETTER OR SYMBOL (THERMOPLASTIC)	646.50	
-	-	4,250	-	-	25,200	29,450	m	TEMPORARY 100 mm WHITE LINE (PAINT)	646.60	
-	-	4,250	-	-	24,400	28,650	m	TEMPORARY 100 mm YELLOW LINE (PAINT)	646.61	
-	-	50	-	-	120	170	m	TEMPORARY 600 mm STOP BAR (PAINT)	646.66	
-	-	20	-	-	68	88	EA	TEMPORARY LETTERS OR SYMBOLS (PAINT)	646.70	
-	-	200	-	-	1,100	1,300	EA	LINE STRIPING TARGETS	646.76	
-	-	25	-	-	500	525	m^2	GEOTEXTILE UNDER STONE FILL	649.31	
-	-	500	-	-	1,000	1,500	m^2	GEOTEXTILE FOR SILT FENCE	649.51	
-	-	35	-	-	70	105	kg	SEED	651.15	
-	-	280	-	-	560	840	kg	FERTILIZER	651.18	
-	-	2	-	-	4.5	6.5	t	AGRICULTURAL LIMESTONE	651.20	
-	-	2	-	-	4.5	6.5	t	HAY MULCH	651.25	
	-	100	-	-	100	200	EA	HAY BALES FOR EROSION CONTROL	651.26	
-	-	25	-	-	50	75	m^3	TOPSOIL	651.35	
-	-	600	-	-	2,500	3,100	m^2	EROSION MATTING	654.10	
-	-	6	-	-	12	18	m^2	TRAFFIC SIGNS, TYPE A	675.20	
								BEGIN OPTION ITEMS		
-	-	50	-	-	115	165	m	FLANGED CHANNEL SIGN POST	675.301	
-	-	50	-	-	115	165	m	SQUARE TUBE SIGN POST AND ANCHOR	675.341	
								END OPTION ITEMS		
-	-	14	-	-	32	46	EA	REMOVING SIGNS	675.50	
-	-	5	-	-	8	13	EA	ERECTING SALVAGED SIGNS	675.60	
-	-	8	-	-	50	58	EA	DELINEATORS WITH STEEL POSTS	676.10	
-	-	0.2	-	-	0.8	1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I)	690.50	

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

NOTE: REFER TO SHEETS 8 AND 9 FOR THE INDIVIDUAL QUANTITY SHEETS FOR FAYSTON - WAITSFIELD STP 2406(1)S AND SHEETS 27 AND 28 FOR THE WAITSFIELD - MORETOWN STP 2227(1)S PROJECT.

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									



LIST OF CONSTRUCTION SIGNS

HIGHWAY	RWA	RW500	SRWA	SRW500	EW	RWN
FAYSTON - WAITSFIELD STP 2406(I)S						
BEGIN PROJECT - VT ROUTE 17	2	2			1	1
TH #24 BESSETTE RD.	1				1	
TH #25 MARBLE HILL RD.	1				1	
TH #17 NUMBER NINE RD.	1				1	
TH #26 TUCKER HILL RD.	1				1	
TH #29 PARIS HILL RD.	1				1	
END PROJECT - VT ROUTE 17						1
END OF PROJECT - VT ROUTE 100			4	4	2	
WAITSFIELD - MORETOWN STP 2227(I)S						
BEGIN PROJECT - VT ROUTE 100	2	2			1	1
TH #12 OLD COUNTY RD.	1				1	
TH #11 ARMSTRONG DR.	1				1	
TH #15 TREMBLAY RD.	1				1	
TH #7 CENTER FAYSTON RD.	1				1	
TH #47 FARNSWORTH RD.	1				1	
TH #9 MEADOW RD.	1				1	
TH #8 MEADOW RD.	1				1	
TH #6 AIRPORT RD.	1				1	
TH #2 N. FAYSTON RD.	1				1	
END OF PROJECT - VT ROUTE 100	2	2			1	1
END OF PROJECT - VT ROUTE 100B	2	2			1	1
TOTALS	22	8	4	4	20	5

CONSTRUCTION APPROACH SIGNING

1. SEE STD. E-100 AND E-103 FOR SIGN PLACEMENT
2. ALL CONSTRUCTION SIGNING SHALL BE PAID UNDER ITEM 641.10, TRAFFIC CONTROL.
3. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORKZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.
4. THE RESIDENT ENGINEER, AT HIS OR HER DISCRETION, MAY ELIMINATE CONSTRUCTION APPROACH SIGNING AT DEAD END LOCATIONS.

LEGEND

RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FEET
EW = END WORK
RWN = ROAD WORK NEXT 4 MILES (VT 100 PROJECT)
ROAD WORK NEXT 1 1/2 MILES (VT 17 PROJECT)
SRWA = SIDE ROAD WORK AHEAD
SRW500 = SIDE ROAD WORK 500 FEET

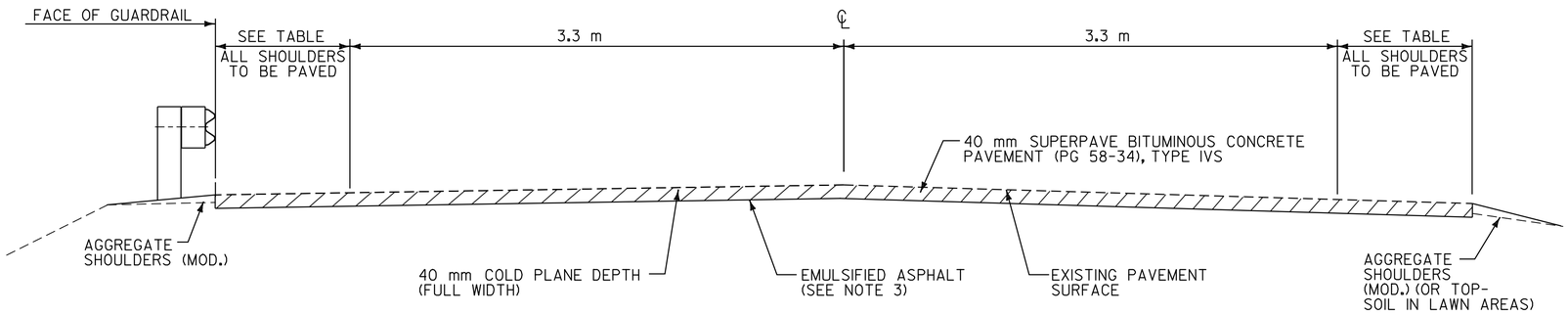
NOT TO SCALE

CONSTRUCTION APPROACH SIGNING DETAIL SHEET

DESIGNED BY J. REDMOND DATE 7/05
DRAWN BY J. REDMOND DATE 7/05
DESIGN FILE NO. pave/00b058/00b058.dgn
PRF FILE 00b058cas.i DATE PLOTTED 23-MAY-2008 12

FAYSTON - WAITSFIELD STP 2406(1)S AND WAITSFIELD - MORETOWN STP 2227(1)S

SHEET 5 OF 54 SHEETS



COLD PLANE TYPICAL SECTION

VT. ROUTE 17 FAYSTON STA. 7+229.00 TO STA. 7+756.00
VT. ROUTE 17 FAYSTON STA. 7+781.00 TO STA. 9+372.60
VT. ROUTE 17 WAITSFIELD STA. 0+000,00 TO STA. 0+091.73

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	NOTES
FAYSTON VT. ROUTE 17	7+229	7+300	0.7 m - 3.3 m - 3.3 m - 0.7 m	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
FAYSTON VT. ROUTE 17	7+300	7+400	VARIES - 3.3 m - 3.3 m - VARIES	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
FAYSTON VT. ROUTE 17	7+400	7+756	0.9 m - 3.3 m - 3.3 m - 0.9 m	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
FAYSTON VT. ROUTE 17	7+756	7+781			BR#36-DO NOT PAVE-SEE BR. APPR. DETAIL ON SHT. 7.
FAYSTON VT. ROUTE 17	7+781	8+056	0.9 m - 3.3 m - 3.3 m - 0.9 m	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
FAYSTON VT. ROUTE 17	8+056	8+072	VARIES - 3.3 m - 3.3 m - VARIES	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
FAYSTON VT. ROUTE 17	8+072	8+107	1.5 m - 3.3 m - 3.3 m - 1.5 m	30 mm	BR#37 MILL 30 mm & PAVE WITH 30 mm TYPE IVS
					SEE BR#37 TRANSITION DETAIL ON SHEET 7.
FAYSTON VT. ROUTE 17	8+107	8+150	VARIES - 3.3 m - 3.3 m - VARIES	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
FAYSTON VT. ROUTE 17	8+150	9+372.60	0.9 m - 3.3 m - 3.3 m - 0.9 m	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
WAITSFIELD VT. ROUTE 17	0+000.00	0+070	0.9 m - 3.3 m - 3.3 m - 0.9 m	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS
WAITSFIELD VT. ROUTE 17	0+070.00	0+091.73	VARIES - 3.3 m - 3.3 m - VARIES	40 mm	COLD PLANE 40 mm & PAVE WITH 40 mm TYPE IVS

NOTES

1. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.

   ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.

2. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 75 mm OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL-PURPOSE EXCAVATION OR GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.).

3. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/m^2 OR AS DIRECTED BY THE RESIDENT ENGINEER.

4. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ± 5 mm (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).

5. ALL DRIVEWAYS, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ALL MAILBOX TURNOUTS SHALL HAVE THE EXISTING EDGE OF PAVEMENT BACKED-UP WITH COLD PLANE GRINDINGS PRIOR TO THE PLACEMENT OF THE PAVED APRON. ALL GRAVEL PULLOUTS SHALL HAVE 100 mm OF COLD PLANE GRINDINGS PLACED ON THE EXISTING SURFACE AND COMPACTED.

6. EARTH BORROW SHALL BE USED FOR THE CONSTRUCTION OF GUARDRAIL TERMINAL FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 75 mm DEPTH OF AGGREGATE SHOULDERS (MOD.) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20 m^3 OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDERS (MOD.) FOR EACH GUARDRAIL TERMINAL.

7. THE PROPOSED BOX BEAM GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. 1.0 m OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 1.6 m POSTS. IF THIS CANNOT BE OBTAINED, THEN 2.1m POSTS SHALL BE USED FOR BOX BEAM RAIL.

8. ITEM 616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS SHALL ONLY BE PAID WHERE INDICATED IN THE PLANS. ALL PAVING, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVEWAYS, AROUND DROP INLETS, ETC.) SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34).

9. THE CONTRACTOR SHALL COLD PLANE AND PAVE IN A MANNER THAT MAINTAINS THE EXISTING ROADWAY CROSS SECTION AND DOES NOT ALTER THE LOCATION OF THE CENTERLINE JOINT.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

% WT.	kg/ha.	NAME	PUR.%	GERM.%
37.14	26.0	CREEPING RED FESCUE	98	85
37.14	26.0	TALL FESCUE	95	90
5.71	4.0	RED TOP	95	90
14.30	10.0	BIRDSFOOT TREFOIL	98	85
5.71	4.0	ANNUAL RYEGRASS	95	85
100.0	70.0			

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 DIRECTED BY THE RESIDENT ENGINEER

FERTILIZER:
FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, OR AS DIRECTED BY THE RESIDENT ENGINEER.

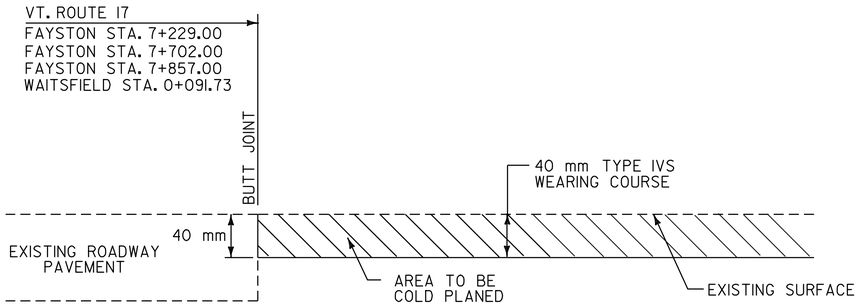
TOPSOIL:
TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PROJECT TYPICAL SHEET

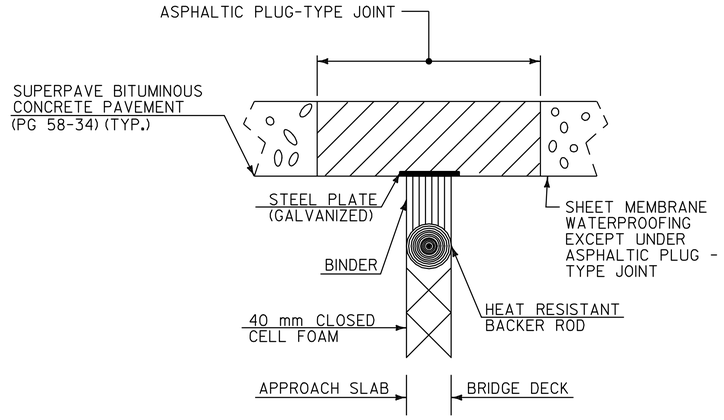
SURVEYED BY J. REDMOND DATE 7/05
DRAWN BY J. REDMOND DATE 7/05
SQUAD LEADER J. REDMOND
DESIGN FILE NO. pave/00b058/00b058.dgn
IPARM FILE 00b058tyl.i DATE PLOTTED 23-MAY-2008 12:54
PROJ. NAME FAYSTON - WAITSFIELD
PROJ. NO. STP 2406(I)S
SHEET 6 OF 54

VAOT Metric



APPROACH AREA DETAIL

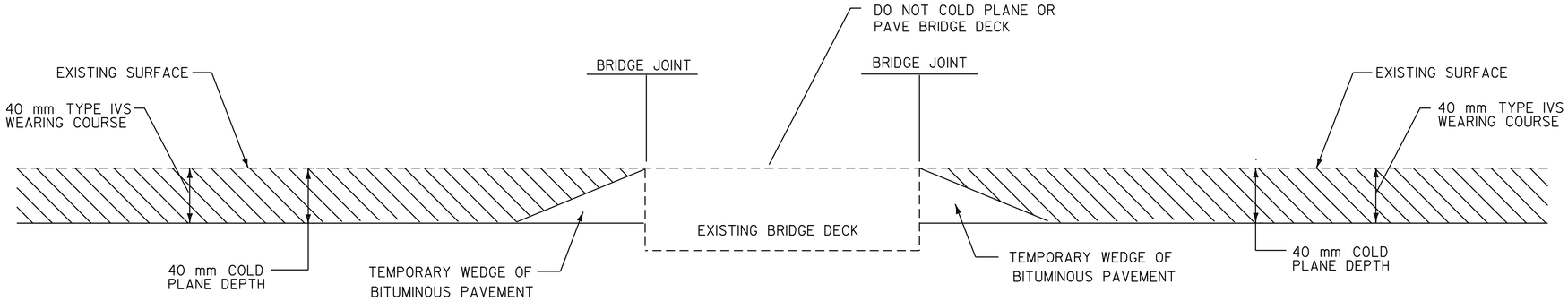
VT. ROUTE 17 FAYSTON STA. 7+229.0 (BEGIN PROJECT)
VT. ROUTE 17 WAITSFIELD STA. 0+091.73 (END PROJECT)



ASPHALTIC PLUG-TYPE JOINT DETAIL

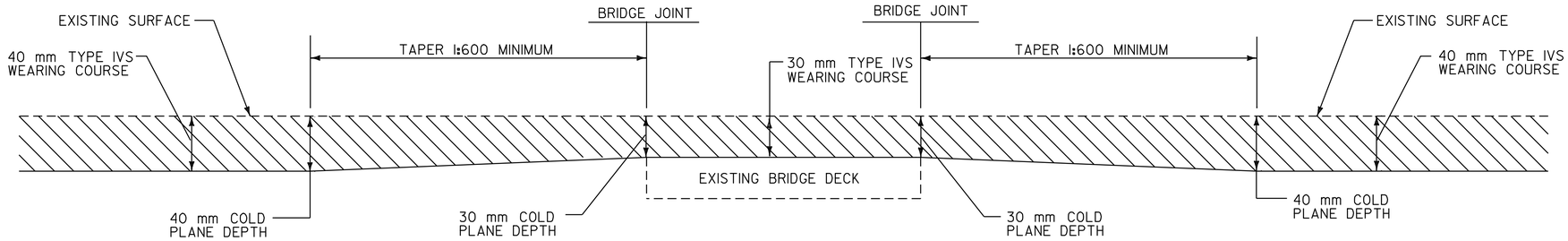
VT. ROUTE 17 FAYSTON - BRIDGE 37 - STA. 8+080 (17.6 m)
VT. ROUTE 17 FAYSTON - BRIDGE 37 - STA. 8+099 (17.6 m)

NOTE: THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMMITED ONLY IF THE SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IS DIRECTED BY THE RESIDENT ENGINEER.



BRIDGE APPROACH DETAIL

BR 36 VT. ROUTE 17 FAYSTON STA. 7+756 TO STA. 7+781



BRIDGE TRANSITION AREA DETAIL

BR 37 VT. ROUTE 17 FAYSTON STA. 8+080 TO STA. 8+099

NOTE: THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BRIDGE 37 AS NOT TO DAMAGE THE BRIDGE MEMBRANE. IF DAMAGE TO THIS MEMBRANE SHOULD OCCUR DURING THE COLD PLANING, THE CONTRACTOR SHALL REPLACE THE MEMBRANE AT NO COST TO THE STATE.

THE CONTACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT CURB LINE AND IN THE EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE BRIDGE 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.

NOT TO SCALE

PAVING DETAILS AND PAVEMENT JOINT DETAIL SHEET

SURVEYED BY J. REDMOND DATE 7/05
DRAWN BY J. REDMOND DATE 7/05
SQUAD LEADER J. REDMOND
DESIGN FILE NO. pave/00b058/00b058.dgn
IPARM FILE 00b058ty2.i DATE PLOTTED 23-MAY-2008 12:54
PROJ. NAME FAYSTON - WAITSFIELD
PROJ. NO. STP 2406(I)S
SHEET 7 OF 54

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

VAOT Metric

FULL E & C	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	APPROXIMATE SUMMARY OF QUANTITIES ITEMS	ITEM NO.	ROUNDING
-	-	4	4	EA	THINNING AND TRIMMING (FOR SIGNS)	201.31	EST.
-	-	210	210	m^3	EARTH BORROW	203.30	EST.
-	-	0.2	0.2	m^3	TRENCH EXCAVATION OF EARTH (N.A.B.I.)	204.20	-
-	-	20,300	20,300	m^2	COLD PLANING - BITUMINOUS PAVEMENT	210.10	90
-	-	1,500	1,500	t	SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.)	301.28	EST
-	-	590	590	t	AGGREGATE SHOULDERS (MOD.)	402.12	EST.
-	-	2,500	2,500	kg	EMULSIFIED ASPHALT	404.65	64
-	-	0.2	0.2	LU	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.)	406.50	-
-	-	2,000	2,000	t	SUPERPAVE BITUMINOUS CONC. PAVE. (PG 58-34)	490.30	35
-	1	-	1	m^3	CONCRETE - CLASS A	501.22	-
-	100	-	100	kg	REINFORCING STEEL	507.15	-
-	36	-	36	m	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG)	516.10	0.8
-	-	3	3	EA	REHABING OF DI, CB OR MH, CLASS I	604.412	-
-	-	50	50	HR	POWER GRADER RENTAL	608.15	EST.
-	-	90	90	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
-	-	30	30	HR	POWER BROOM RENTAL	608.30	EST.
-	-	10	10	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
-	-	180	180	HR	TRUCK RENTAL	608.37	EST.
-	-	10	10	m^3	STONE FILL, TYPE I	613.10	5
-	-	5	5	t	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	EST.
-	-	38	38	EA	YIELDING MARKER POSTS	619.17	-
-	-	450	450	m	STEEL BEAM GUARDRAIL (GALVANIZED)	621.20	9.2
-	-	220	220	m	BOX BEAM GUARDRAIL (GALVANIZED) (2.1 m POSTS)	621.30	7.9
-	-	3	3	EA	MANUFACTURED TERMINAL SECTION (FLARED)	621.505	-
-	-	4	4	EA	TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL	621.53	-
-	-	3	3	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
-	-	520	520	m	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	13
-	-	300	300	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
-	-	3,000	3,000	HR	FLAGGERS	630.15	EST.
0.2	-	-	0.2	LS	FIELD OFFICE - ENGINEERS	631.10	-
0.2	-	-	0.2	LS	TESTING EQUIPMENT - CONCRETE	631.16	-
0.2	-	-	0.2	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	-
0.2	-	-	0.2	LU	FIELD OFFICE - TELEPHONE (N.A.B.I.)	631.25	-
-	-	0.2	0.2	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
-	-	0.2	0.2	LS	TRAFFIC CONTROL	641.10	-
-	-	0.2	0.2	LS	PUBLIC RELATIONS OFFICER	641.12	-
-	-	3	3	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
-	-	4,250	4,250	m	DURABLE 100 mm WHITE LINE (THERMOPLASTIC)	646.40	25
-	-	4,250	4,250	m	DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)	646.41	30
-	-	50	50	m	DURABLE 600 mm STOP BAR (THERMOPLASTIC)	646.46	4
-	-	20	20	EA	DURABLE LETTER OR SYMBOL (THERMOPLASTIC)	646.50	-
-	-	4,250	4,250	m	TEMPORARY 100 mm WHITE LINE (PAINT)	646.60	25
-	-	4,250	4,250	m	TEMPORARY 100 mm YELLOW LINE (PAINT)	646.61	30

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING - BITUMINOUS PAVEMENT
18,760	m^2	VT. ROUTE 17 (INCLUDING BRIDGES)
1,450	m^2	SIDE ROADS, DRIVEWAYS AND PARKING AREAS
90	m^2	ROUNDING
20,300	m^2	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
1,801	t	VT. ROUTE 17 WEARING COURSE (TYPE IVS)
164	t	SIDE ROADS, DRIVEWAYS AND PARKING AREAS
35	t	ROUNDING
2,000	t	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS -			REMARKS
TOTALS									

pave/00b058/00b058.dgn
00b058ql.i 23-MAY-2008 12:54

PROJECT NAME FAYSTON - WAITSFIELD
PROJECT NUMBER STP 2406(I)S

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

VAOT Metric

									APPROXIMATE SUMMARY OF QUANTITIES		
				FULL E & C	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
				-	-	50	50	m	TEMPORARY 600 mm STOP BAR (PAINT)	646.66	4
				-	-	20	20	EA	TEMPORARY LETTERS OR SYMBOLS (PAINT)	646.70	-
				-	-	200	200	EA	LINE STRIPING TARGETS	646.76	31
				-	-	25	25	m^2	GEOTEXTILE UNDER STONE FILL	649.31	8
				-	-	500	500	m^2	GEOTEXTILE FOR SILT FENCE	649.51	EST.
				-	-	35	35	kg	SEED	651.15	EST.
				-	-	280	280	kg	FERTILIZER	651.18	EST.
				-	-	2	2	t	AGRICULTURAL LIMESTONE	651.20	EST.
				-	-	2	2	t	HAY MULCH	651.25	EST.
				-	-	100	100	EA	HAY BALES FOR EROSION CONTROL	651.26	EST.
				-	-	25	25	m^3	TOPSOIL	651.35	EST.
				-	-	600	600	m^2	EROSION MATTING	654.10	38
				-	-	6	6	m^2	TRAFFIC SIGNS, TYPE A	675.20	0.95
									BEGIN OPTION ITEMS		
				-	-	50	50	m	FLANGED CHANNEL SIGN POST	675.301	4.0
				-	-	50	50	m	SQUARE TUBE SIGN POST AND ANCHOR	675.341	4.0
									END OPTION ITEMS		
				-	-	14	14	EA	REMOVING SIGNS	675.50	-
				-	-	5	5	EA	ERECTING SALVAGED SIGNS	675.60	-
				-	-	8	8	EA	DELINEATORS WITH STEEL POSTS	676.10	-
				-	-	0.2	0.2	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I)	690.50	-

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									

pave/00b058/00b058.dgn
00b058q2.1
23-MAY-2008 12:54

PROJECT NAME FAYSTON - WAITSFIELD
PROJECT NUMBER STP 2406(I)S

ITEM DETAIL SUMMARY SHEET

VDOT Metric

LOCATION			GUARDRAIL														REMARKS
														12-6 G-ID			
			604.412		621.20	601.0010	601.6010	601.0015	621.30		621.505		621.53	621.60	621.80	676.10	
STATION	STATION	POS.	REHAB DROP INLET		STEEL BEAM GUARD RAIL(GALV.)	375mm CSP	375mm CSPES	450mm CSP	BOX BEAM G.R.(GALV.) (2.1m POSTS)		MANUF. TERM. SECTION (FLARED)		TERMINAL CONNECTOR FOR S.B.G.R.	ANCHOR FOR STEEL BEAM GUARD RAIL	REMOVE & DISP. G.R.	DELINEATORS W/STEEL POSTS	
			EA		m				m		EA		EA	EA	m	EA	
FAYSTON:					69.2												
7+229.0	7+293.6	LT			~~64.6~~									1	~~65~~ 68.44	1	ATTACH TO EXISTING RAIL AT 7+229 LT
7+231		RT	1			8.1	2										REHAB EXISTING DROP INLET (THROATED) ADDED 2 SECTIONS OF375mm PIPE W/ CSPES 4.6M + 3.5M
7+506		RT	~~1~~														REHAB EXISTING DROP INLET NOT CHANGED
8+700		RT						4									EXTEND INLET EXISTING 600mm CSP W/ 2.0m CSP PAID FOR WITH 4m OF 450MM CSP
7+996		LT	~~1~~														REHAB EXISTING DROP INLET (THROATED) NOT CHANGED
															26.7		(SEE PAGE 21 OF 54)
8+045.3	8+072.0	RT			7.6						1		1		~~27~~	1	ATTACH TO CONCRETE BRIDGE RAIL AT 8+072.0 RT; REFER TO SHEET 23 FOR MANUFACTURED TERMINAL SECTION DETAILS.
					27.3										19.1		(SEE PAGE 21 OF 54)
8+062.3	8+089.0	LT			~~7.6~~						~~1~~ 0		1	1	~~27~~	1	ATTACH TO CONCRETE BRIDGE RAIL AT 8+089.0 LT; REFER TO SHEET 23 FOR MANUFACTURED TERMINAL SECTION DETAILS.
					8.23										15.2		(SEE PAGE 21 OF 54)
8+090.0	8+105.2	RT			~~7.6~~								1	1	~~15~~	1	ATTACH TO CONCRETE BRIDGE RAIL AT 8+090.0 RT; REFER TO SHEET 23 FOR MANUFACTURED TERMINAL SECTION DETAILS.
					322.33										334.5		(SEE PAGE 21 OF 54)
8+107.0	8+441.5	LT			~~315.4~~						1		1		~~335~~	1	ATTACH TO CONCRETE BRIDGE RAIL AT 8+107.0 LT; REFER TO SHT. 23 FOR MANUF. TERM. SECTION DETAILS; TIGHTEN POST SPACING AT 8+199 LT
8+905									114.3							2	
~~8+955.0~~	9+021.0	LT							65.8							~~1~~	TYPE II END ASSEMBLY AT EACH END; REFER TO STANDARD G-1BM FOR DETAILS. 9/15/06
																2	
9+032.0	9+178.0	LT							146.3							~~1~~	TYPE II END ASSEMBLY AT EACH END; REFER TO STANDARD G-1BM FOR DETAILS. 9/15/06
WAITSFIELD:					32.19										35.05		(SEE PAGE 22 OF 54)
0+053.7	0+091.73	LT			~~38.0~~									1	~~38~~	1	ATTACH TO EXISTING BRIDGE RAIL AT 0+091.73 LT
SHEET SUBTOTAL			1 ~~3~~		466.85 ~~440.8~~	8.1	2	4	260.6 ~~212.1~~		2 ~~3~~		4	4 ~~3~~	499 ~~507~~	10 ~~8~~	
ROUNDING			-		~~9.2~~				~~7.9~~		-		-	-	~~13~~	-	
TOTAL			~~3~~		~~450.0~~				~~220.0~~		~~3~~		~~4~~	~~3~~	~~520~~	~~8~~	

DATUM
VERTICAL N/A
HORIZONTAL N/A

ITEM DETAIL SUMMARY SHEET

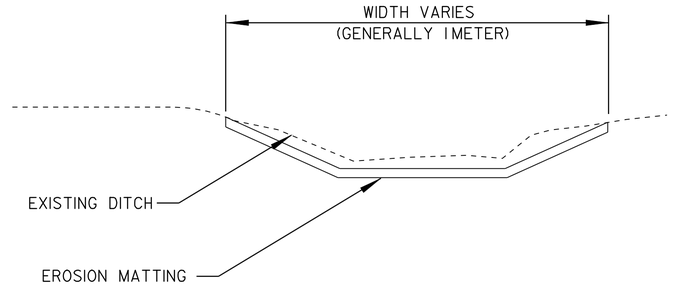
SURVEYED BY J. REDMOND DATE 7/05
DRAWN BY J. REDMOND DATE 7/05
SQUAD LEADER J. REDMOND
DESIGN FILE NO. pave/00b058/00b058.dgn
IPARM FILE 00b058idsl.i DATE PLOTTED 23-MAY-2008 12:54
PROJ. NAME FAYSTON - WAITSFIELD
PROJ. NO. STP 2406(I)S
SHEET 10 OF 54

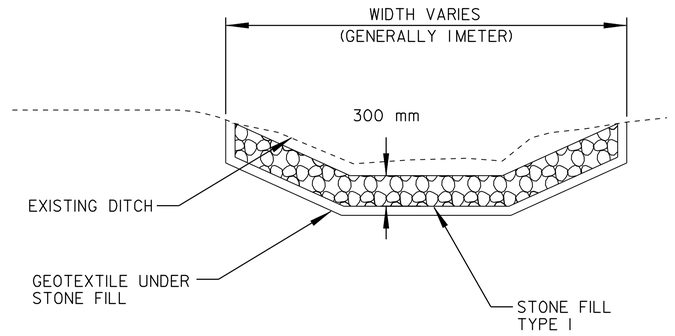
VAOT Metric

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
							654.10	613.10	649.31	
SITE	STATION	STATION	POS.	PERCENT GRADE			EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
				0-1	1-2.5	2.5-10				
VT. ROUTE 17							m^2	m^3	m^2	
FAYSTON:										
1	7+231	7+250	RT		19		19			
2	7+466	7+506	RT		40		40			
3	7+849	7+930	LT		81		81			
4	7+947	8+046	LT		89	10	89	3	10	
5	8+730	8+958	RT		228		228			
6	9+281	9+322	RT		41		41			
7	9+369	9+373	RT		4		4			
WAITSFIELD:										
1	0+000	0+067	RT		60	7	60	2	7	
SUBTOTAL					562	17	562	5	17	
ROUNDING					38	3	38	5	8	
TOTAL					600	20	600	10	25	

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
							654.10	613.10	649.31	
SITE	STATION	STATION	POS.	PERCENT GRADE			EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
				0-1	1-2.5	2.5-10				
							m^2	m^3	m^2	

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
							654.10	613.10	649.31	
SITE	STATION	STATION	POS.	PERCENT GRADE			EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
				0-1	1-2.5	2.5-10				
							m^2	m^3	m^2	





DITCH DETAILS

NOT TO SCALE

NOTES:

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

2. AN ESTIMATED QUANTITY OF EROSION MATTING AND STONE FILL TYPE I HAS BEEN INCLUDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2 AND 5 PERCENT AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 5 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

DITCH CLEANING DETAIL SHEET

PROJECT: FAYSTON - WAITSFIELD

PROJECT NO.: STP 2406(I)S

DESIGN FILE NAME: pave/00b058/00b058.dgn
IPARM FILE NAME: 00b058dtl.i
SURVEYED BY: J. REDMOND
SQUAD LEADER: J. REDMOND
PLOT DATE: 23-MAY-2008 12:54
SURVEY DATE: 7/05
DRAWN BY: J. REDMOND
SHEET: 11 OF 54

VAOT Metric

REMOVING SIGNS
5 AS SHOWN

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
FAYSTON:
STA. 7+229- STA. 7+600 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
FAYSTON:
STA. 7+229 - STA. 7+600 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	℄	RT
STA. 7+229 - STA. 7+600	S	-	S
STA. 7+458 DOUBLE SOLID RT, T-24			
STA. 7+519 DOUBLE SOLID RT, T-25			

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	℄	RT
STA. 7+229 - STA. 7+600	S	-	S
STA. 7+458 DOUBLE SOLID RT, T-24			
STA. 7+519 DOUBLE SOLID RT, T-25			

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
FAYSTON:
STA. 7+458 RT, T-24
STA. 7+519 RT, T-25

646.66 TEMPORARY 600 mm STOP BAR (PAINT)
FAYSTON:
STA. 7+458 RT, T-24
STA. 7+519 RT, T-25

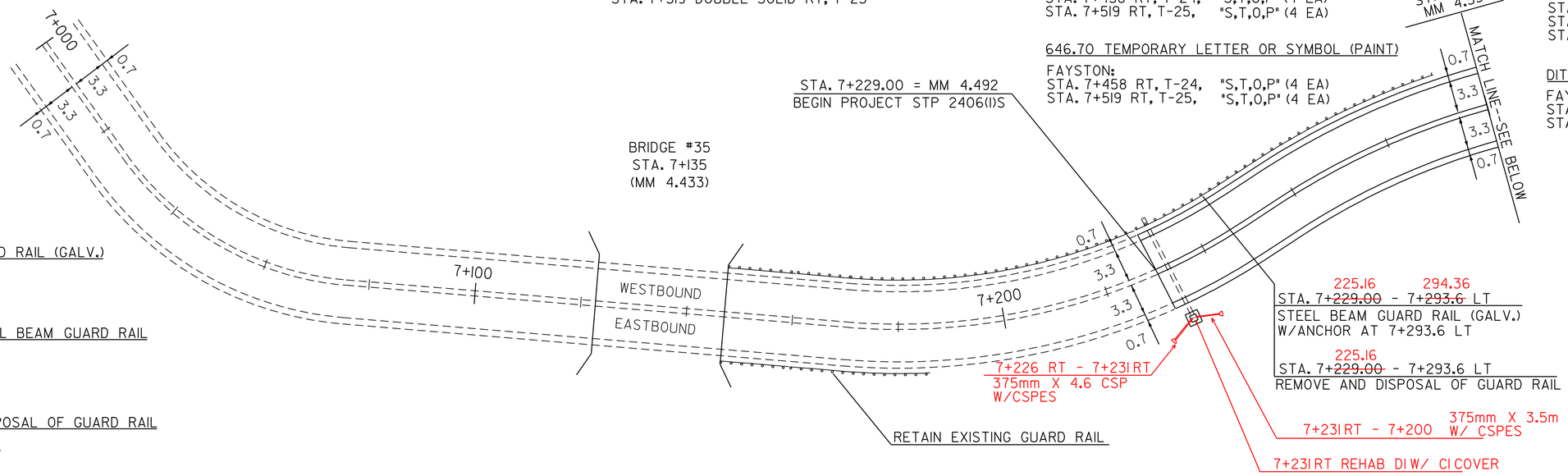
646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
FAYSTON:
STA. 7+458 RT, T-24, "S,T,O,P" (4 EA)
STA. 7+519 RT, T-25, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
FAYSTON:
STA. 7+458 RT, T-24, "S,T,O,P" (4 EA)
STA. 7+519 RT, T-25, "S,T,O,P" (4 EA)

604.412 REHABILITATION OF DI, CB OR MH
FAYSTON:
STA. 7+231 RT (THROATED)
STA. 7+506 RT NOT CHANGED

619.17 YIELDING MARKER POSTS
FAYSTON:
STA. 7+231 RT & LT (2)
STA. 7+438 RT & LT (2)
STA. 7+463 RT (1)
STA. 7+466 LT (1)
STA. 7+506 RT & LT (2)
STA. 7+530 RT & LT (2)

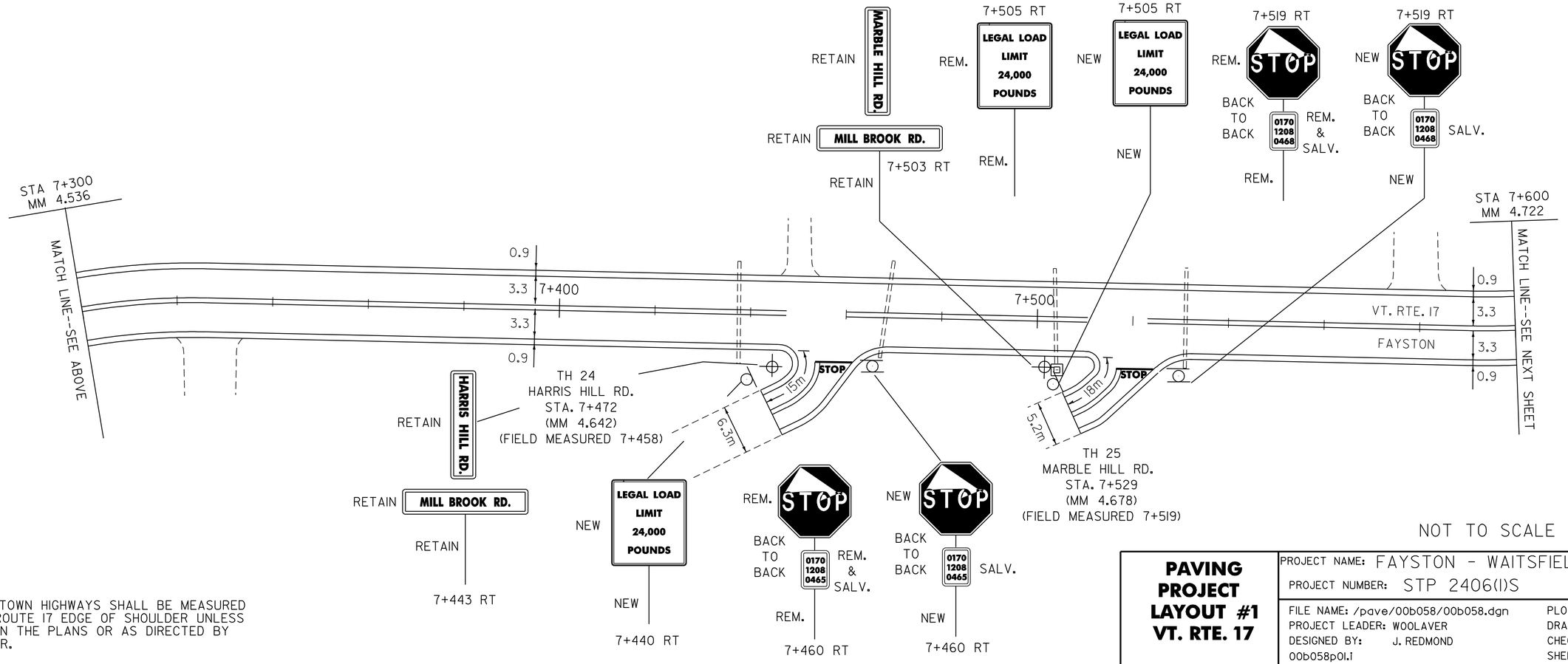
DITCHING LOCATION
FAYSTON:
STA. ~~7+231 - 7+250 RT~~ 7+235 - 7+251 LT
STA. 7+~~466~~ 463 - 7+506 RT



621.20 STEEL BEAM GUARD RAIL (GALV.)
FAYSTON:
STA. 7+229 - 7+293.6 LT

621.60 ANCHOR FOR STEEL BEAM GUARD RAIL
FAYSTON:
STA. 7+293.6 LT

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
FAYSTON:
STA. 7+229 - 7+293.6 LT



NOT TO SCALE

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 17 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

PAVING PROJECT LAYOUT #1 VT. RTE. 17

PROJECT NAME: FAYSTON - WAITSFIELD
PROJECT NUMBER: STP 2406(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058p01.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 12 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
FAYSTON:
STA. 7+600 - STA. 8+200 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
FAYSTON:
STA. 7+600 - STA. 8+200 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	C/L	RT
STA. 7+600 - STA. 8+200	S	-	S

STA. 8+076 DOUBLE SOLID LT, T-17

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	C/L	RT
STA. 7+600 - STA. 8+200	S	-	S

STA. 8+076 DOUBLE SOLID LT, T-17

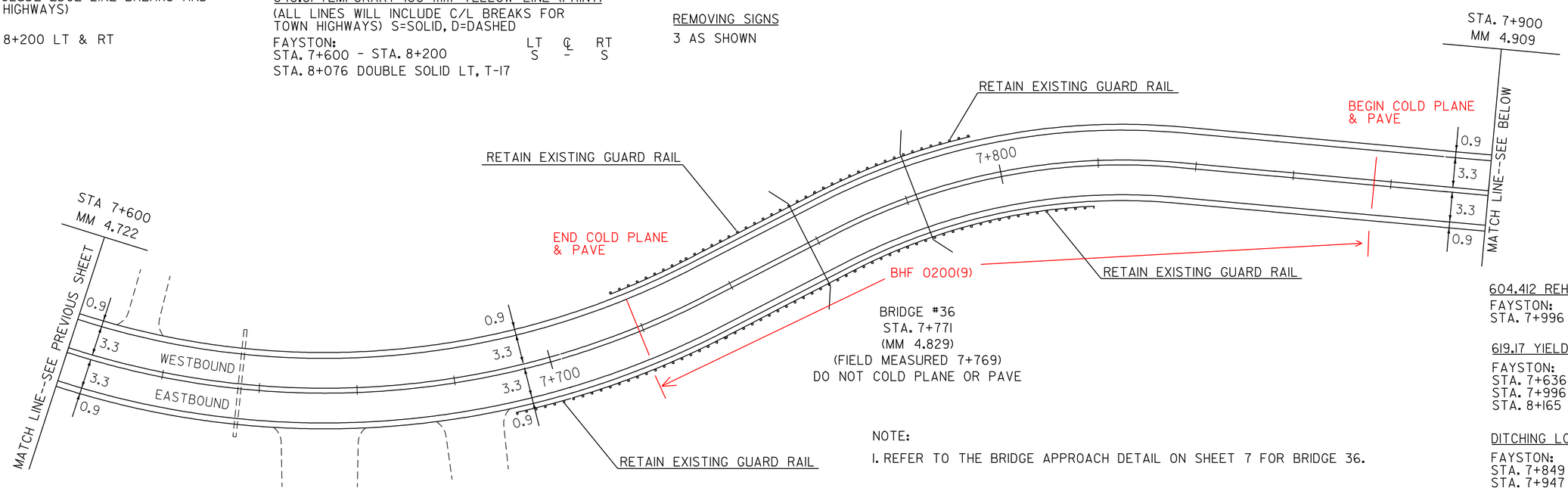
646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
FAYSTON:
STA. 8+076 LT, T-17

646.66 TEMPORARY 600 mm STOP BAR (PAINT)
FAYSTON:
STA. 8+076 LT, T-17

REMOVING SIGNS
3 AS SHOWN

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
FAYSTON:
STA. 8+076 LT, T-17, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
FAYSTON:
STA. 8+076 LT, T-17, "S,T,O,P" (4 EA)



NOTE:
1. REFER TO THE BRIDGE APPROACH DETAIL ON SHEET 7 FOR BRIDGE 36.

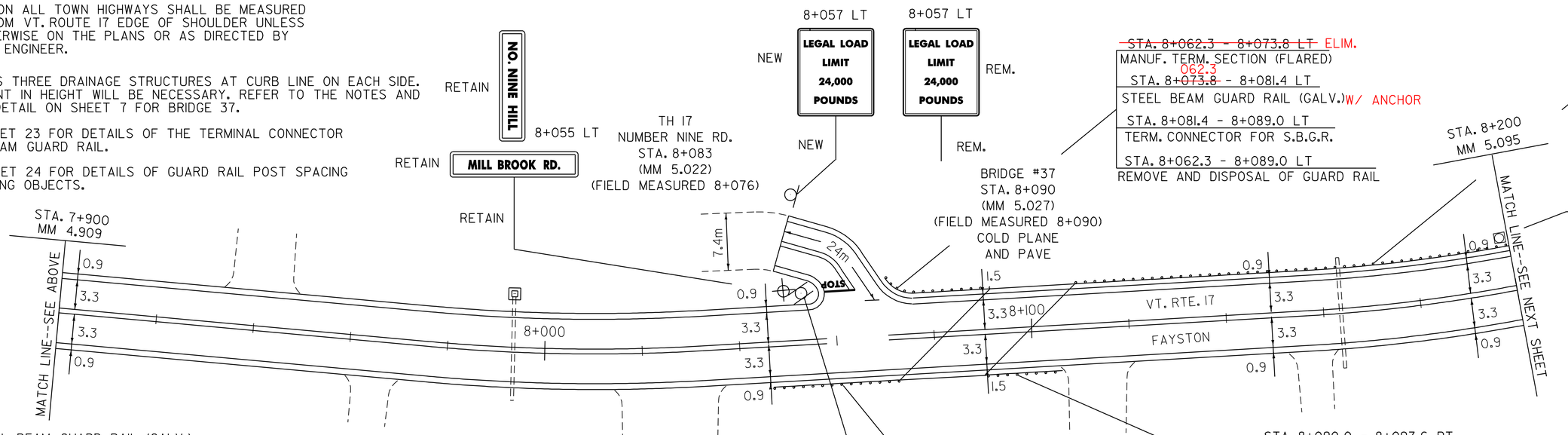
604.412 REHABILITATION OF DI, CB OR MH
FAYSTON:
STA. 7+996 LT

619.17 YIELDING MARKER POSTS
FAYSTON:
STA. 7+636 RT & LT (2)
STA. 7+996 RT & LT (2)
STA. 8+165 RT & LT (2)

DITCHING LOCATION
FAYSTON:
STA. 7+849 - 7+930 LT
STA. 7+947 - 8+046 LT

NOTES:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 17 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. BRIDGE 37 HAS THREE DRAINAGE STRUCTURES AT CURB LINE ON EACH SIDE. NO ADJUSTMENT IN HEIGHT WILL BE NECESSARY. REFER TO THE NOTES AND COLD PLANE DETAIL ON SHEET 7 FOR BRIDGE 37.
3. REFER TO SHEET 23 FOR DETAILS OF THE TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL.
4. REFER TO SHEET 24 FOR DETAILS OF GUARD RAIL POST SPACING AT NON-YIELDING OBJECTS.



~~STA. 8+062.3 - 8+073.8 LT~~ ELIM.
MANUF. TERM. SECTION (FLARED)
STA. 8+062.3 - 8+081.4 LT
STEEL BEAM GUARD RAIL (GALV.) W/ ANCHOR
STA. 8+081.4 - 8+089.0 LT
TERM. CONNECTOR FOR S.B.G.R.
STA. 8+062.3 - 8+089.0 LT
REMOVE AND DISPOSAL OF GUARD RAIL

STA. 8+107.0 - 8+114.6 LT
TERM. CONNECTOR FOR S.B.G.R.
STA. 8+114.6 - 8+200.0 LT
STEEL BEAM GUARD RAIL (GALV.)
STA. 8+107.0 - 8+200.0 LT
REMOVE AND DISPOSAL OF GUARD RAIL

STA. 8+199 LT (POWER POLE)
TIGHTEN POST SPACING
SEE SHEET 24 FOR DETAILS

621.20 STEEL BEAM GUARD RAIL (GALV.)
FAYSTON:
STA. 8+056.8 - 8+064.4 RT
STA. 8+073.8 - 8+081.4 LT
STA. 8+097.6 - 8+105.2 RT
STA. 8+114.6 - 8+200.0 LT

621.53 TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL
FAYSTON:
STA. 8+064.4 - 8+072.0 RT
STA. 8+081.4 - 8+089.0 LT
STA. 8+090.0 - 8+097.6 RT
STA. 8+107.0 - 8+114.6 LT

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
FAYSTON:
STA. 8+045.3 - 8+056.8 RT
STA. 8+062.3 - 8+073.8 LT

621.60 ANCHOR FOR STEEL BEAM GUARD RAIL
FAYSTON:
STA. 8+105.2 RT

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
FAYSTON:
STA. 8+045.3 - 8+072.0 RT
STA. 8+062.3 - 8+089.0 LT
STA. 8+090.0 - 8+105.2 RT
STA. 8+107.0 - 8+200.0 LT

REM. STOP
BACK TO BACK
0170 1208 0502
REM. & SALV.
REM.
8+056 LT

NEW STOP
BACK TO BACK
0170 1208 0502
SALV.
NEW
8+056 LT

STA. 8+045.3 - 8+056.8 RT
MANUF. TERM. SECTION (FLARED)
STA. 8+056.8 - 8+064.4 RT
STEEL BEAM GUARD RAIL (GALV.)
STA. 8+064.4 - 8+072.0 RT
TERM. CONNECTOR FOR S.B.G.R.
STA. 8+045.3 - 8+072.0 RT
REMOVE AND DISPOSAL OF GUARD RAIL

STA. 8+090.0 - 8+097.6 RT
TERM. CONNECTOR FOR S.B.G.R.
STA. 8+097.6 - 8+105.2 RT
STEEL BEAM GUARD RAIL (GALV.) W/ANCHOR AT 8+105.2 RT
STA. 8+090.0 - 8+105.2 RT
REMOVE AND DISPOSAL OF GUARD RAIL

NOT TO SCALE

PAVING PROJECT LAYOUT #2 VT. RTE. 17

PROJECT NAME: FAYSTON - WAITSFIELD
PROJECT NUMBER: STP 2406(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058p02.i

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 13 OF 54

REMOVING SIGNS

3 AS SHOWN

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

FAYSTON:
STA. 8+200 - STA. 8+800 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

FAYSTON:
STA. 8+200 - STA. 8+800 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	℄	RT
STA. 8+200 - STA. 8+800	S	-	S

STA. 8+715 DOUBLE SOLID RT, T-26

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	℄	RT
STA. 8+200 - STA. 8+800	S	-	S

STA. 8+715 DOUBLE SOLID RT, T-26

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)

FAYSTON:
STA. 8+715 RT, T-26

646.66 TEMPORARY 600 mm STOP BAR (PAINT)

FAYSTON:
STA. 8+715 RT, T-26

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

FAYSTON:
STA. 8+715 RT, T-26, "S,T,0,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)

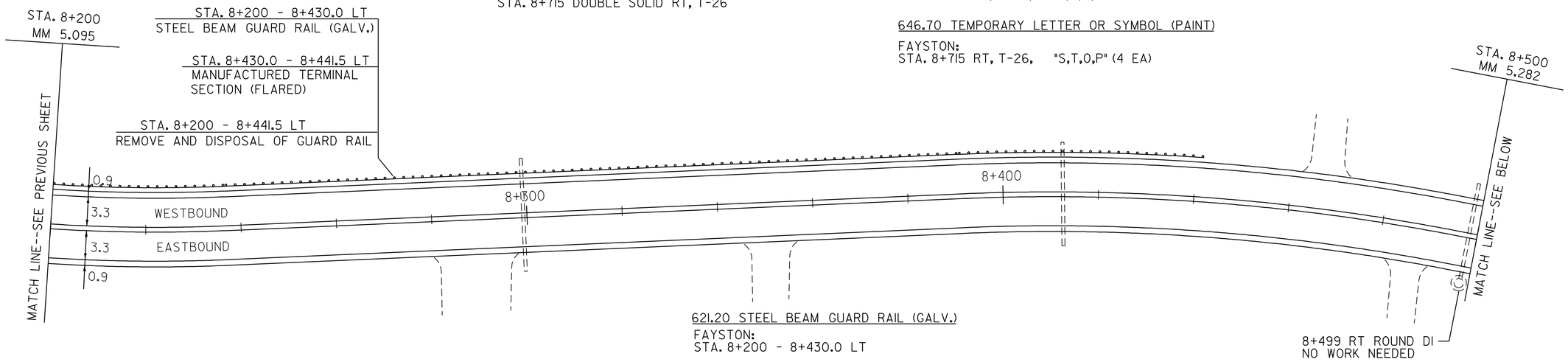
FAYSTON:
STA. 8+715 RT, T-26, "S,T,0,P" (4 EA)

619.17 YIELDING MARKER POSTS

FAYSTON:
STA. 8+300 RT & LT (2)
STA. 8+414 RT & LT (2)
STA. 8+499 RT & LT (2)
STA. 8+699 RT (1)
STA. 8+702 LT (1)

DITCHING LOCATION

FAYSTON:
~~STA. 8+730 - 8+800 RT~~ ELIM.



621.20 STEEL BEAM GUARD RAIL (GALV.)

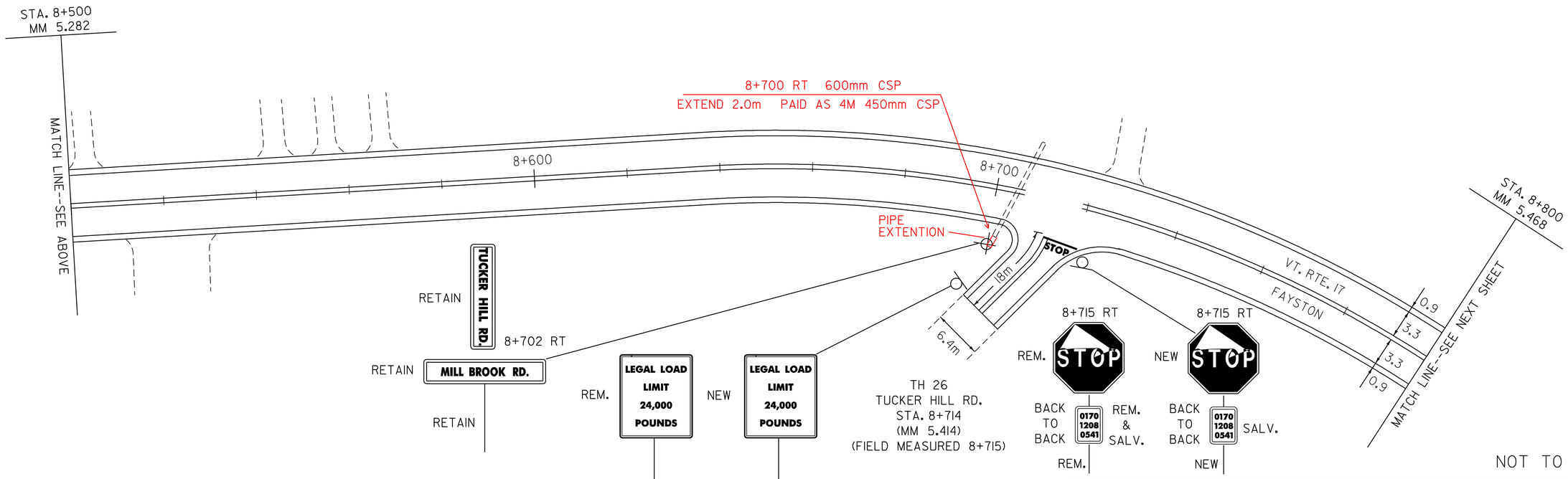
FAYSTON:
STA. 8+200 - 8+430.0 LT

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

FAYSTON:
STA. 8+430.0 - 8+441.5 LT

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL

FAYSTON:
STA. 8+200 - 8+441.5 LT



NOT TO SCALE

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 17 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

PAVING PROJECT LAYOUT #3 VT. RTE. 17

PROJECT NAME: FAYSTON - WAITSFIELD
PROJECT NUMBER: STP 2406(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058p03.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 14 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

FAYSTON:
STA. 8+800 - STA. 9+372.6 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

FAYSTON:
STA. 8+800 - STA. 9+372.6 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

FAYSTON:	LT	℄	RT
STA. 8+800 - STA. 9+372.6	S	-	S

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

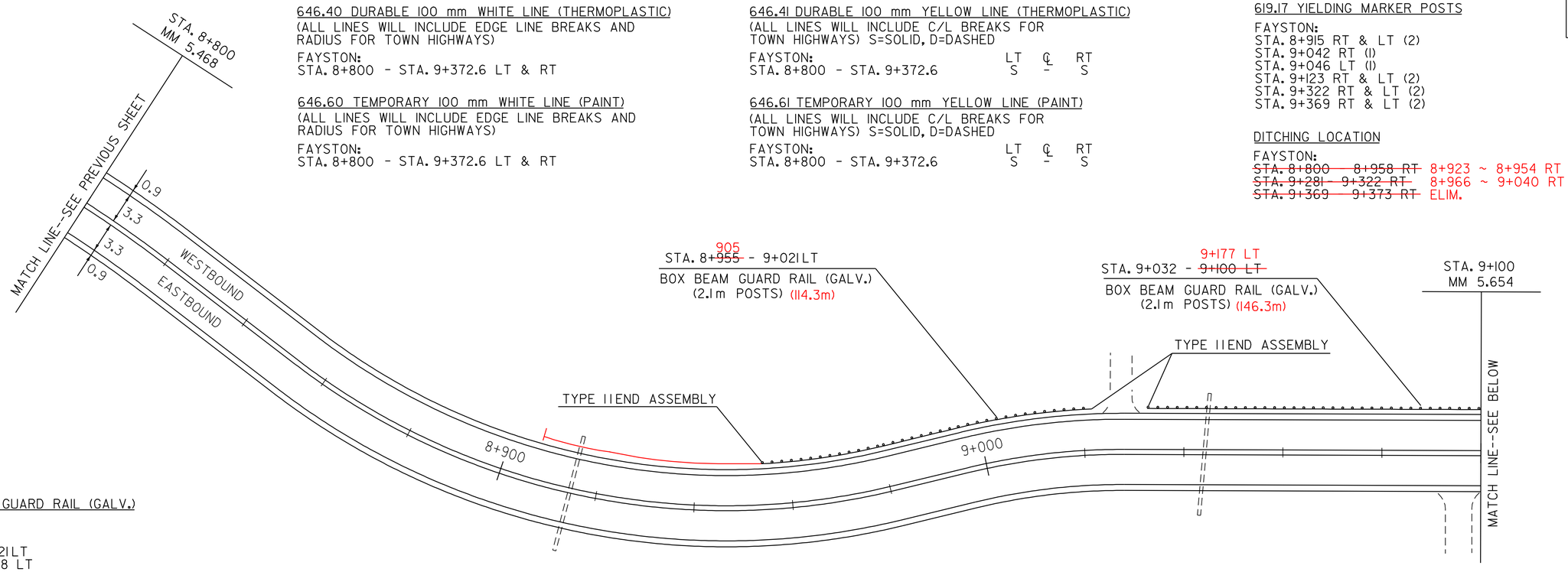
FAYSTON:	LT	℄	RT
STA. 8+800 - STA. 9+372.6	S	-	S

619.17 YIELDING MARKER POSTS

FAYSTON:
STA. 8+915 RT & LT (2)
STA. 9+042 RT (1)
STA. 9+046 LT (1)
STA. 9+123 RT & LT (2)
STA. 9+322 RT & LT (2)
STA. 9+369 RT & LT (2)

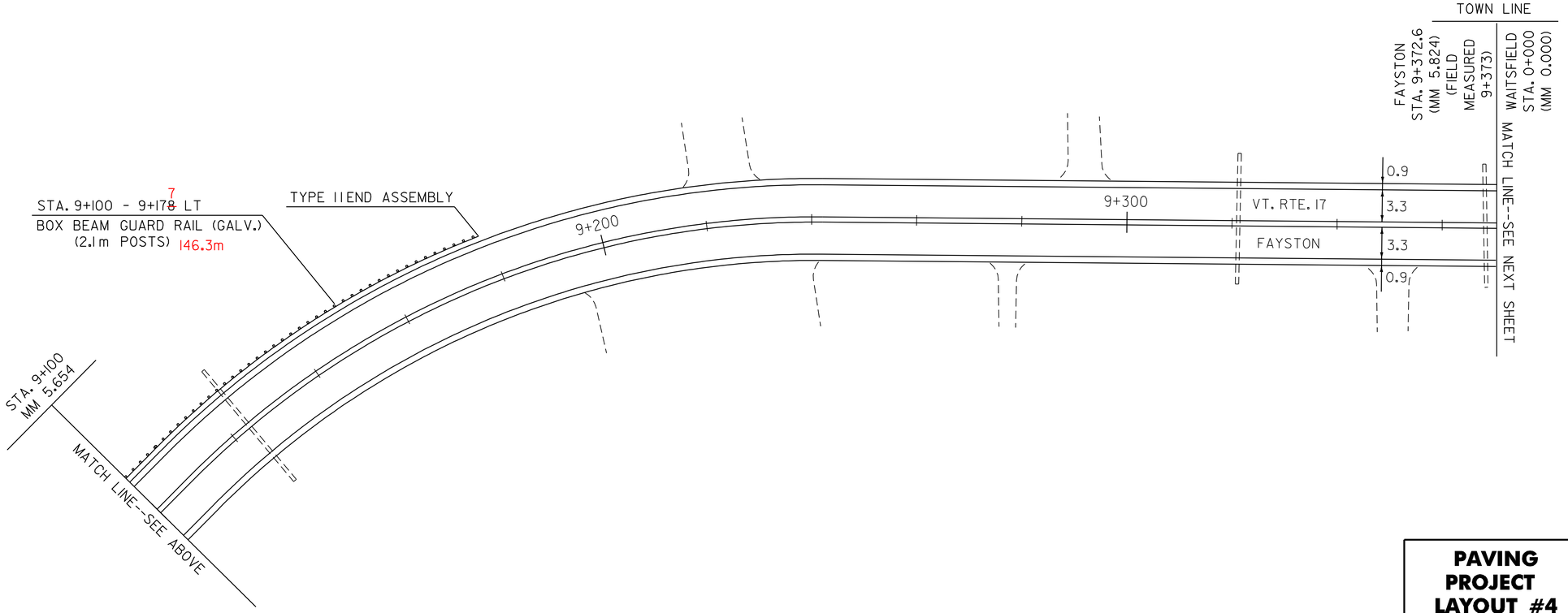
DITCHING LOCATION

FAYSTON:
~~STA. 8+800 - 8+958 RT~~ 8+923 ~ 8+954 RT
~~STA. 9+281 - 9+322 RT~~ 8+966 ~ 9+040 RT
~~STA. 9+369 - 9+373 RT~~ ELIM.



621.30 BOX BEAM GUARD RAIL (GALV.)
(2.1METER POSTS)

FAYSTON:
STA. 8+955 - 9+021 LT
STA. 9+032 - 9+178 LT



NOT TO SCALE

PAVING PROJECT LAYOUT #4 VT. RTE. 17

PROJECT NAME: FAYSTON - WAITSFIELD
PROJECT NUMBER: STP 2406(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058p04.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 15 OF 54

REMOVING SIGNS

3 AS SHOWN

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WAITSFIELD:
STA. 0+000 - STA. 0+092 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WAITSFIELD:
STA. 0+000 - STA. 0+092 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)

(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 0+000 - STA. 0+092	S	-	S
STA. 0+087 DOUBLE SOLID RT, T-29			

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)

(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 0+000 - STA. 0+092	S	-	S
STA. 0+087 DOUBLE SOLID RT, T-29			

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)

WAITSFIELD:
STA. 0+087 RT, T-29

646.66 TEMPORARY 600 mm STOP BAR (PAINT)

WAITSFIELD:
STA. 0+087 RT, T-29

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

WAITSFIELD:
STA. 0+087 RT, T-29, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)

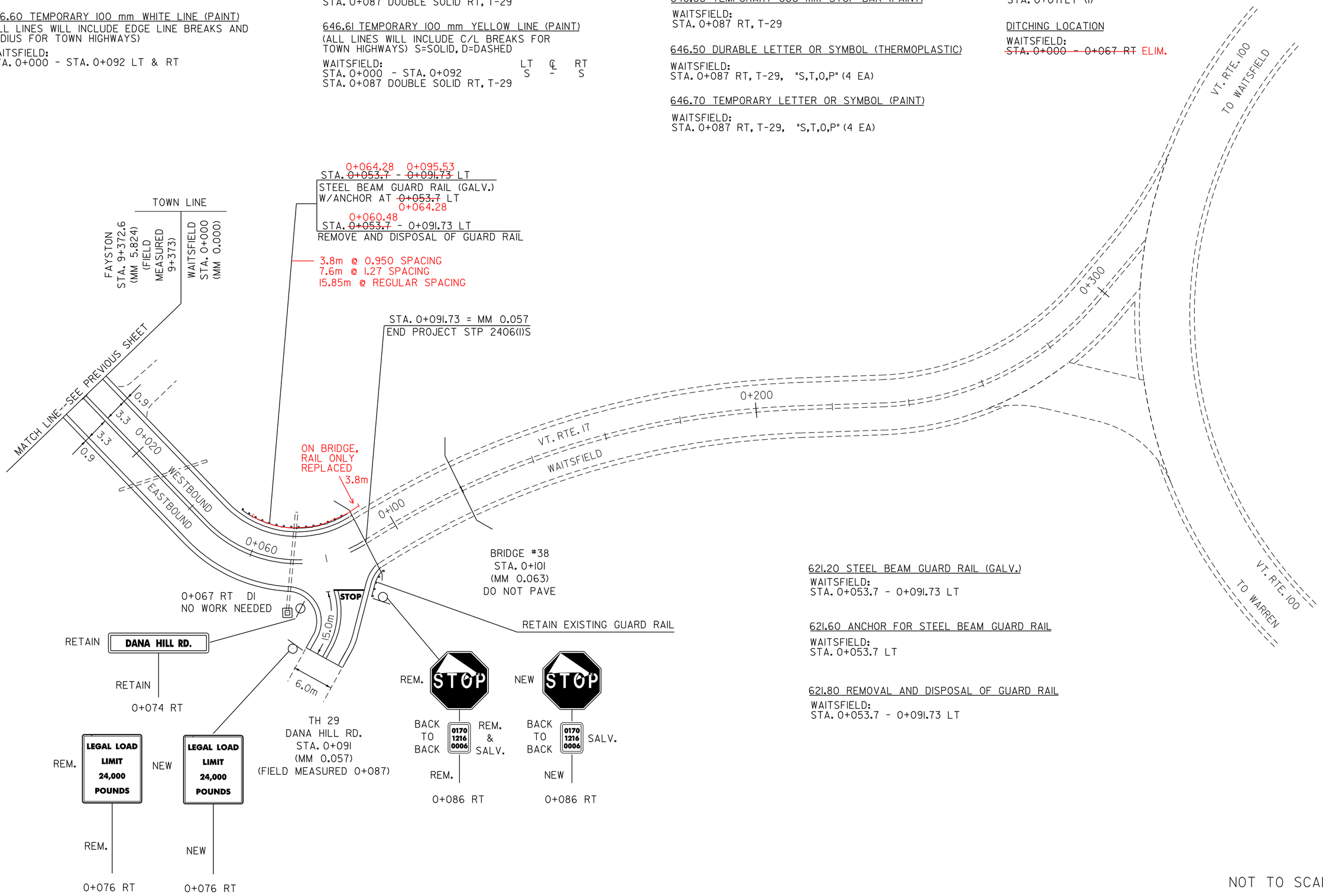
WAITSFIELD:
STA. 0+087 RT, T-29, "S,T,O,P" (4 EA)

619.17 YIELDING MARKER POSTS

WAITSFIELD:
STA. 0+025 RT (I)
STA. 0+034 LT (I)
STA. 0+067 RT (I)
STA. 0+071 LT (I)

DITCHING LOCATION

WAITSFIELD:
~~STA. 0+000 - 0+067 RT~~ ELIM.



621.20 STEEL BEAM GUARD RAIL (GALV.)

WAITSFIELD:
STA. 0+053.7 - 0+091.73 LT

621.60 ANCHOR FOR STEEL BEAM GUARD RAIL

WAITSFIELD:
STA. 0+053.7 LT

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL

WAITSFIELD:
STA. 0+053.7 - 0+091.73 LT

NOT TO SCALE

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 17 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

PAVING PROJECT LAYOUT #5 VT. RTE. 17

PROJECT NAME: FAYSTON - WAITSFIELD
PROJECT NUMBER: STP 2406(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058p05.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 16 OF 54

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"A" MOD.	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) ~~44~~ ~~50~~ ~~63~~ kg/m ~~3.4~~ ~~3.9~~ ~~5.0~~	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) 75	100	100 MOD kg/m 1.9	2.5	2.5	FOUNDATION	TUBULAR STEEL Ø (mm) 75	89	100	125 kg/m 11.3	13.4	16.1	21.7	W-SHAPE STEEL FTG. SIZE 600 mm	750 mm	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	ORIGINAL SIGNS REMOVED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
FAYSTON:																																							
7+440 RT 10/17/06	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		~~X~~																						E-141
7+460 RT 10/17/06	STOP 0170 1208 0465	1	750	750	0.56		1				1			X 4.27m		~~X~~																				2	BACK-TO-BACK		E-143 E-138
7+505 RT 10/17/06	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		~~X~~																				1			E-141
7+519 RT 10/17/06	STOP 0170 1208 0468	1	750	750	0.56		1				1			X 4.27m		~~X~~																				2	BACK-TO-BACK		E-143 E-138
8+056 LT 10/17/06	STOP 0170 1208 0502	1	750	750	0.56		1				1			X 4.27m		~~X~~																				2	BACK-TO-BACK		E-143 E-138
8+057 LT 10/17/06	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		~~X~~																				1			E-141
8+699 RT 10/17/06	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		~~X~~																				1			E-141
8+715 RT 10/17/06	STOP 0170 1208 0541	1	750	750	0.56		1				1			X 4.27m		~~X~~																				2	BACK-TO-BACK		E-143 E-138
																																			SHEET 17 TOTAL =	11			
											m	m	m 36.8	m	m ~~36.8~~	m	EA	kg	kg	kg		kg	kg	kg	kg										
SHT. 17 TOTALS			m^2 4.04	m^2	EA 4	m^2					m ~~36.8~~ 34.16m				m ~~36.8~~					kg	EA	kg					EA	EA	kg							

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

PROJECT: FAYSTON - WAITSFIELD
PROJECT NO.: STP 2406(I)S
DESIGN FILE NAME: pave/00b058/00B058.dgn
IPARM FILE NAME: 00b058t01.i
SURVEYED BY: LFW
SQUAD LEADER: LFW
PLOT DATE: 23-MAY-2008 12:5
SURVEY DATE: 7/05
DRAWN BY: LFW
SHEET: 17 OF 54

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"A" MOD.	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) kg/m ~~44 3.4~~	~~50 3.9~~	~~63 5.0~~	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) kg/m 75 1.9	100 2.5	100 MOD 2.5	FOUNDATION	TUBULAR STEEL Ø (mm) kg/m 75 11.3	89 13.4	100 16.1	125 21.7	W-SHAPE STEEL FTG. SIZE 600 mm	750 mm	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	ORIGINAL SIGNS REMOVED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
WAITSFIELD: 0+076 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		~~X~~																				E-141
																																	1			
0+086 RT	STOP 0170 1216 0006	1	750	750	0.56		1				1			X 4.27m		~~X~~																		2	BACK-TO-BACK		E-143 E-138
	SHT. 18 TOTALS	1.01			1									8.54m ~~9.2~~		~~9.2~~																	SHEET 18 TOTAL = 3			
	SHT. 17 TOTALS	4.04			4									34.16m ~~36.8~~		~~36.8~~																	SHEET 17 TOTAL = 11			
	ROUNDING	~~0.95~~			-									~~4.0~~		~~4.0~~																	TOTAL = 14			
											m	m	m	m	m	m		EA	kg	kg	kg		kg	kg	kg	kg									
TOTALS		m^2 ~~5.05 6.00~~	m^2	EA 5	m^2						m ~~42.7m 50.0~~			m ~~50.0~~					kg			EA	kg				EA	EA	kg						

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

PROJECT: FAYSTON - WAITSFIELD
PROJECT NO.: STP 2406(I)S

DESIGN FILE NAME: pave/00b058/00B058.dgn
IPARM FILE NAME: 00b058t02.i
SURVEYED BY: LFW
SQUAD LEADER: LFW
PLOT DATE: 23-MAY-2008 12:5
SURVEY DATE: 7/05
DRAWN BY: LFW
SHEET: 18 OF 54

BRIDGE QUANTITY SUMMARY

STATION	STATION	POS.	BRIDGE NO.										REMARKS
7+756	7+781	℄	36										WORK ON BRIDGE 36 NOT INCLUDED WITH PROJECT; BRIDGE RAIL AND STEEL BEAM APPROACH GUARD RAIL INCLUDED IN PROJECT FAYSTON BHF 0200(9).
8+081	8+099	℄	37										RETAIN EXISTING BRIDGE RAIL ON BRIDGE 37. INSTALL NEW RAIL AT APPROACHES. SEE SHEET 21 FOR DETAILS.

NOTES

1. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.62 METERS.
2. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICAL TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
3. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
4. SEE STANDARD SHEET G-1M FOR DELINEATION DETAILS AND PLACEMENT.
5. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 METERS APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS IN THE CONTRACT.
6. ALL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE ASTM A572/A572M STEEL UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE W/ STANDARD SPECIFICATION 525.02.
7. AN ESTIMATED QUANTITY OF ITEM 501.22 CONCRETE CLASS A AND ITEM 507.15 REINFORCING STEEL HAVE BEEN ADDED TO REPAIR BRIDGE DAMAGE, IF NECESSARY.

ITEM 501.22 CONCRETE CLASS A	1 M3 (EST)
ITEM 507.15 REINFORCING STEEL	100 KG (EST)

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM

VERTICAL _____

HORIZONTAL _____

BRIDGE DETAIL SHEET #1

PROJECT: FAYSTON - WAITSFIELD

PROJECT NO.: STP 2406(I)S

DESIGN FILE NAME: pave/00b058/00b058.dgn

IPARM FILE NAME: 00b058brl.i

PLOT DATE: 23-MAY-2008

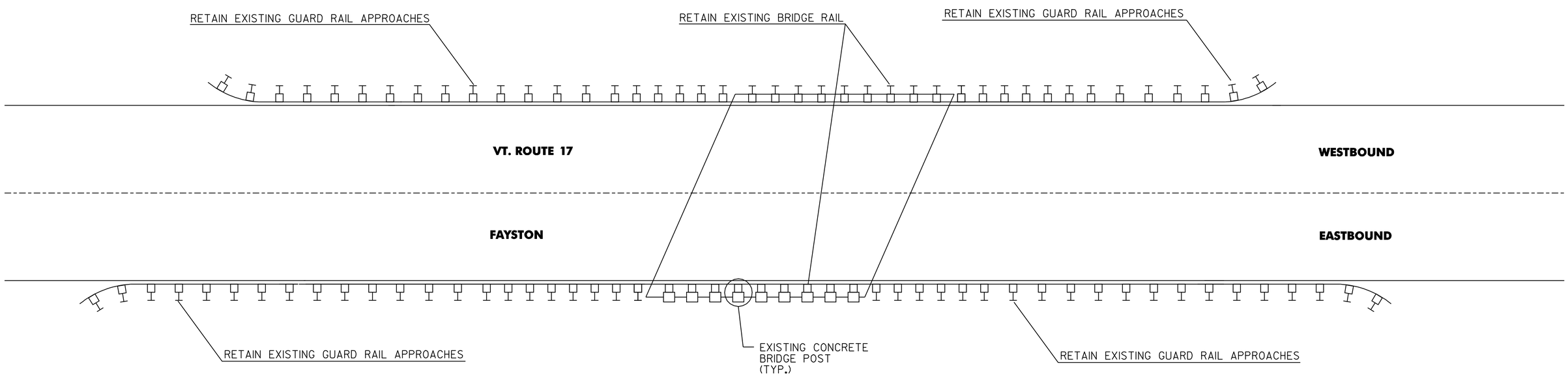
SURVEYED BY: LEW

SURVEY DATE: 7/05

SQUAD LEADER: LEW

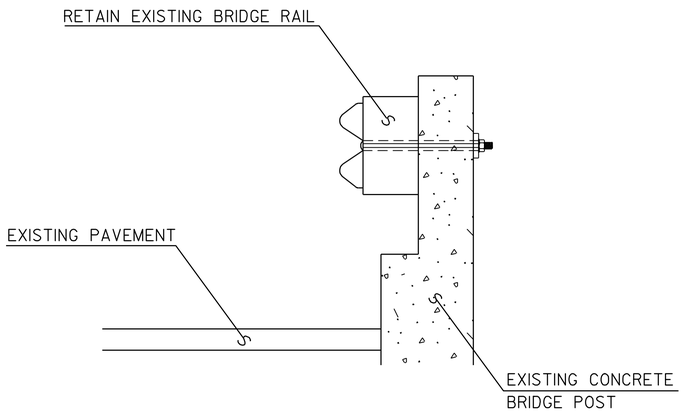
DRAWN BY: 7/05

SHEET: 19 OF 54



FAYSTON VT. ROUTE 17
BR #36 @ STA 7+771
(MM 4.829)

NOT TO SCALE



BR 36 BRIDGE POST DETAIL

NOT TO SCALE

1. REFER TO SHEET 7 FOR DETAILS OF COLD PLANING AND PAVING LIMITS AT THE BRIDGE JOINTS.
2. BRIDGE 36 REPAIRS AND PAVING ARE NOT INCLUDED WITH THE PROJECT. BRIDGE WORK WILL BE DONE UNDER PROJECT FAYSTON BHF 0200(9).
3. BRIDGE 36 REPAIRS ARE NOT EXPECTED TO BEGIN UNTIL AFTER THE PAVING PROJECT IS COMPLETED.

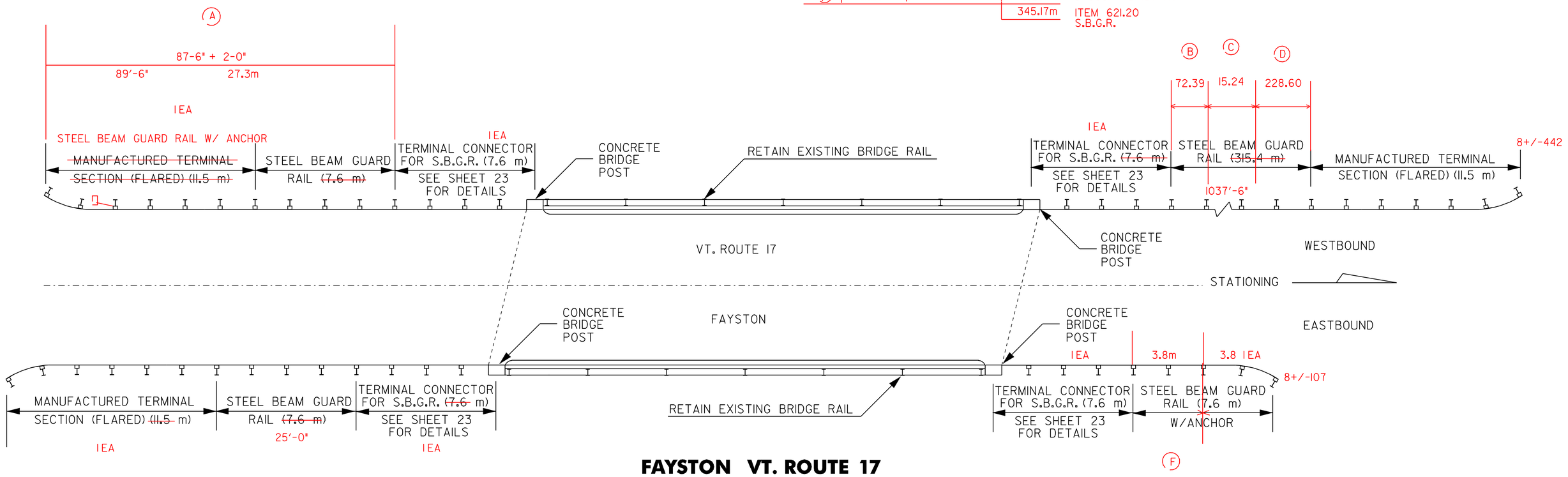
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

BRIDGE DETAIL SHEET #2

PROJECT :	PROJECT NO. :
FAYSTON - WAITSFIELD	STP 2406(I) S

DESIGN FILE NAME: pave/00b058/00b058.dgn
IPARM FILE NAME: 00b058br2.i PLOT DATE: 23-MAY-2008 12
SURVEYED BY: LFW SURVEY DATE: 7/05
SQUAD LEADER: LFW DRAWN BY: 7/05
SHEET: 20 OF 54

SECTION	FIELD MEAS. (m)	PAY FACTOR	PAY MEAS. (m)	
A	27.3	1.0	27.3	8+062 - 8+089 LT
B	72.39	1.0	72.39	
C	15.24	1.4	21.34	→ 322.33 8+107 - 8+441.5 LT
D	228.60	1.0	228.60	
E	7.6	1.0	7.6	8+045 - 8+072 RT
F	8.23	1.0	8.23	8+090 - 8+107 RT
			345.17m	ITEM 621.20 S.B.G.R.



FAYSTON VT. ROUTE 17
BR #37 @ STA 8+090
(MM 5.027)

NOT TO SCALE

1. REFER TO SHEET 7 FOR BRIDGE 37 COLD PLANE TRANSITION AND ASPHALTIC PLUG JOINT DETAILS.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM
VERTICAL _____
HORIZONTAL _____

BRIDGE DETAIL SHEET #3

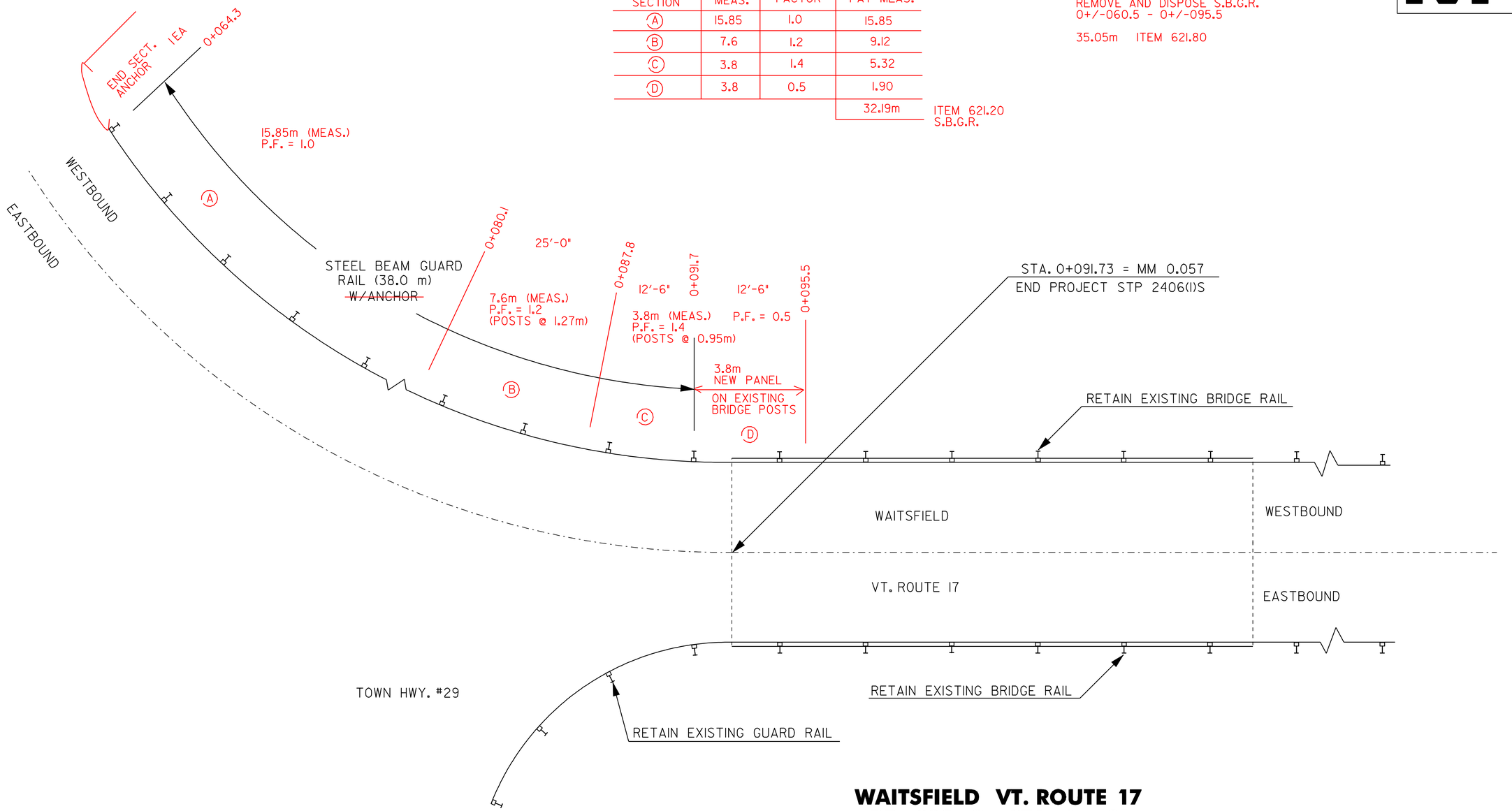
PROJECT : FAYSTON - WAITSFIELD
PROJECT NO.: STP 2406(1) S
DESIGN FILE NAME: pave/00b058/00b058.dgn
IPARM FILE NAME: 00b058br3.i
PLOT DATE: 23-MAY-2008_12
SURVEYED BY: LFW
SURVEY DATE: 7/05
SQUAD LEADER: LFW
DRAWN BY: 7/05
SHEET: 21 OF 54

SECTION	(m) FIELD MEAS.	PAY FACTOR	(m) PAY MEAS.
A	15.85	1.0	15.85
B	7.6	1.2	9.12
C	3.8	1.4	5.32
D	3.8	0.5	1.90
			32.19m

ITEM 621.20
S.B.G.R.

REMOVE AND DISPOSE S.B.G.R.
0+/-060.5 - 0+/-095.5

35.05m ITEM 621.80



WAITSFIELD VT. ROUTE 17
BR #38 @ STA 0+101
(MM 0.063)

NOT TO SCALE

1. BRIDGE 38 REPAIRS AND PAVING ARE NOT INCLUDED WITH THIS PROJECT.

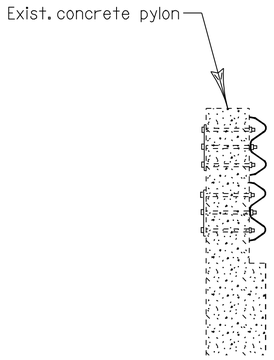
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM
VERTICAL _____
HORIZONTAL _____

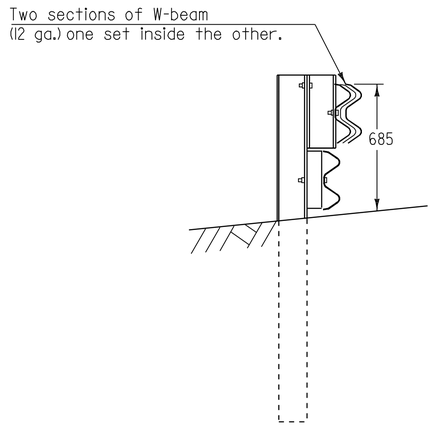
BRIDGE DETAIL SHEET #4

PROJECT : FAYSTON - WAITSFIELD
PROJECT NO.: STP 2406(I) S

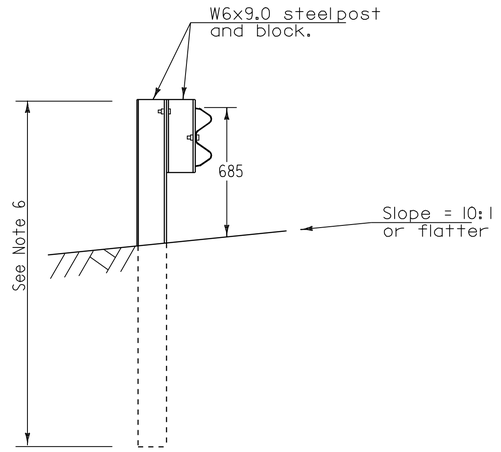
DESIGN FILE NAME: pave/00b058/00b058.dgn
IPARM FILE NAME: 00b058br4.i
PLOT DATE: 23-MAY-2008
SURVEYED BY: LFW
SURVEY DATE: 7/05
SQUAD LEADER: LFW
DRAWN BY: 7/05
SHEET: 22 OF 54



SECTION A–A



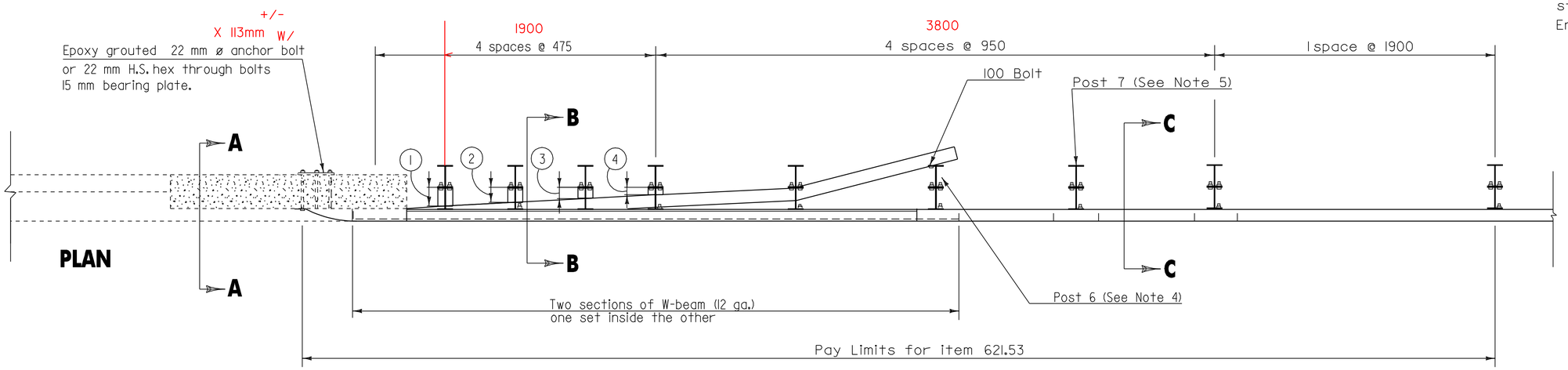
SECTION B–B



SECTION C–C

NOTES

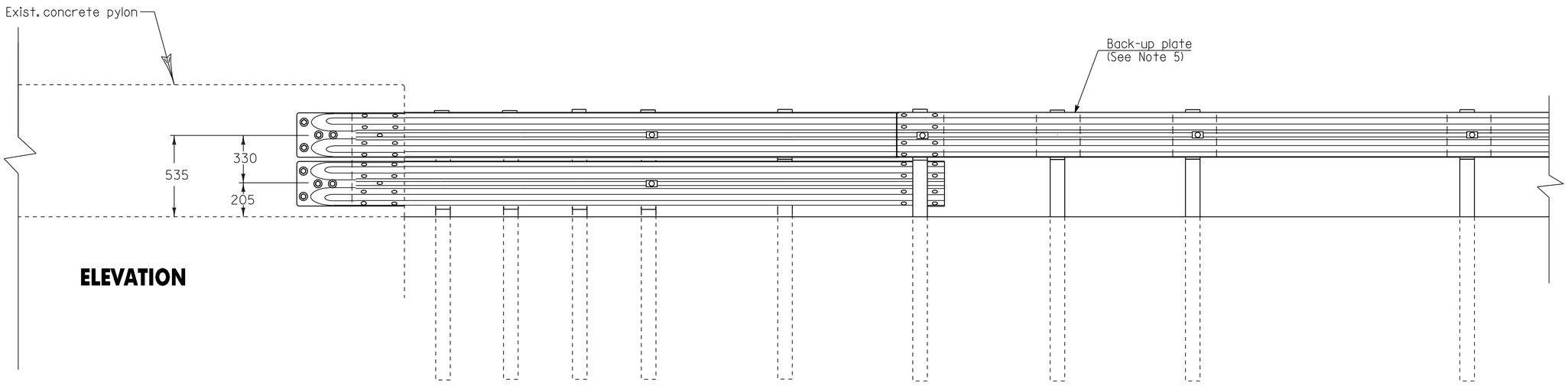
1. This guardrail transition is for connection to a vertical concrete bridge rail and should not be connected directly to a concrete safety shape.
2. Bottom beam blocks are offset drilled to sit squarely on the post flange. Blocks are attached with 15 mm carriage bolts.
3. The rubrail may be shop bent in the last 1 meter to facilitate installation.
4. Posts 1,2,3,4 and 6 require an additional hole to attach lower blocks and or lower beam.
5. At post 7, back-up plate bolted to block only.
6. Posts will be either 1.8 meters or 2.4 meters steel posts, as directed by the Resident Engineer.



PLAN

BOTTOM BEAM WOOD BLOCKS 310 mm X 115 mm

POST #	THICKNESS (mm)
1	125
2	100
3	75
4	50



ELEVATION

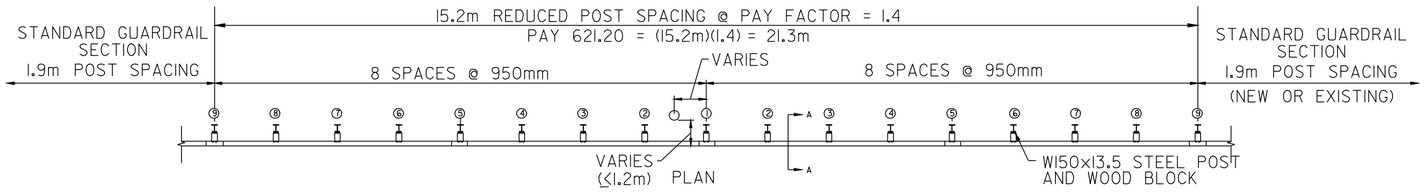
Not To Scale

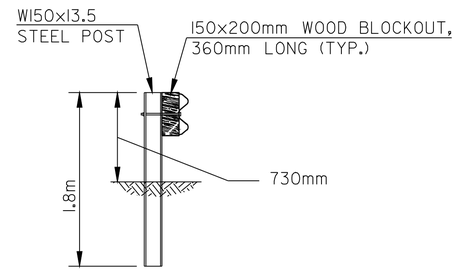
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM
VERTICAL _____
HORIZONTAL _____

TERMINAL CONNECTOR FOR STEEL BEAM G.R. W/STEEL POSTS

PROJECT : FAYSTON - WAITSFIELD	PROJECT NO. : STP 2406(1)S
DESIGN FILE NAME: pave/00b058/00b058.dgn	
IPARM FILE NAME: 00b058br5.1	PLOT DATE: 23-MAY-2008 12
SURVEYED BY: LFW	SURVEY DATE: 7/05
SQUAD LEADER: LFW	DRAWN BY: 7/05
	SHEET: 23 OF 54

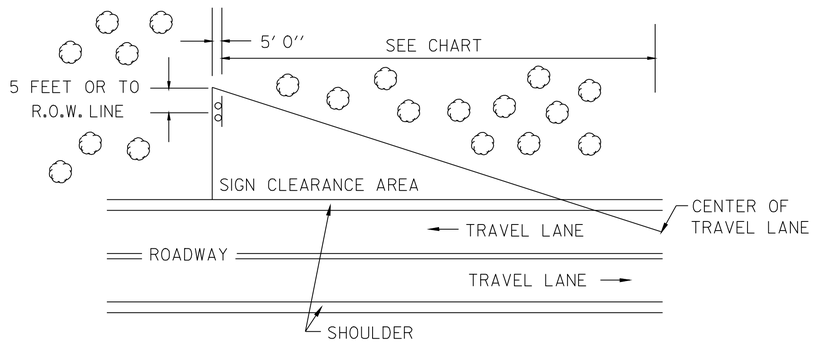




SECTION A-A
NOT TO SCALE

NON-YIELDING OBJECT APPROACH DETAIL

FAYSTON
STA 8+199 LT
NOT TO SCALE



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

MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE	
	(meters)	(feet)
30 OR LESS	90	300
35	105	350
40	120	400
45	135	450
50	150	500
55	165	550

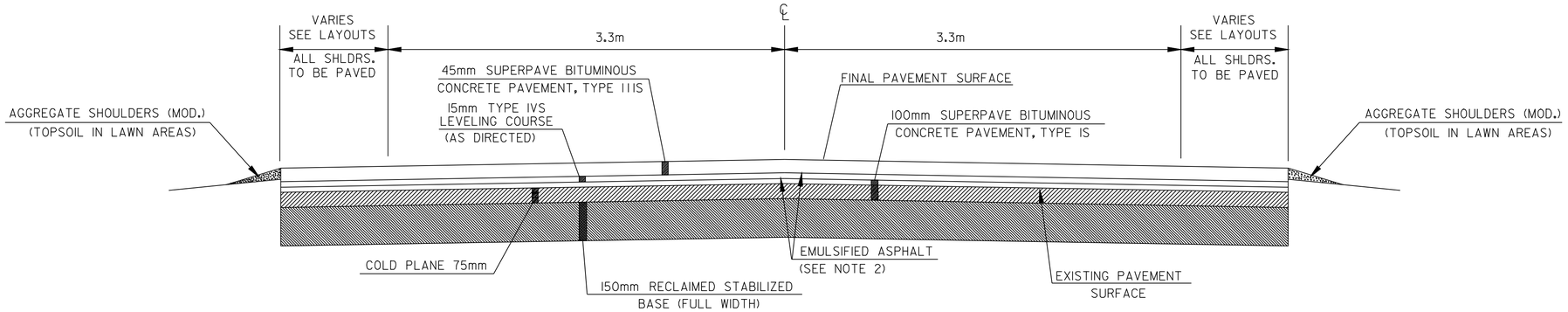
CLEARING LIMITS FOR SIGNS ON CONVENTIONAL ROADS

NOT TO SCALE

DATUM
VERTICAL N/A
HORIZONTAL N/A

MISCELLANEOUS DETAIL SHEET
(CLEARING LIMITS FOR SIGNS)
(GUARD RAIL AT NON-YIELDING OBJECT DETAILS)

DESIGNED BY LFW DATE 7/05
DRAWN BY LFW DATE 7/05
DESIGN FILE NO. /pave/00b058/00b058.dgn
PRF FILE 00b058grl.i DATE PLOTTED 23-MAY-2008 12:
PROJ. NAME: **FAYSTON - WAITSFIELD**
PROJ. NO.: **STP 2406(1)S**
SHEET **24** OF **54** SHEETS



RECLAIMED STABILIZED BASE TYPICAL SECTION

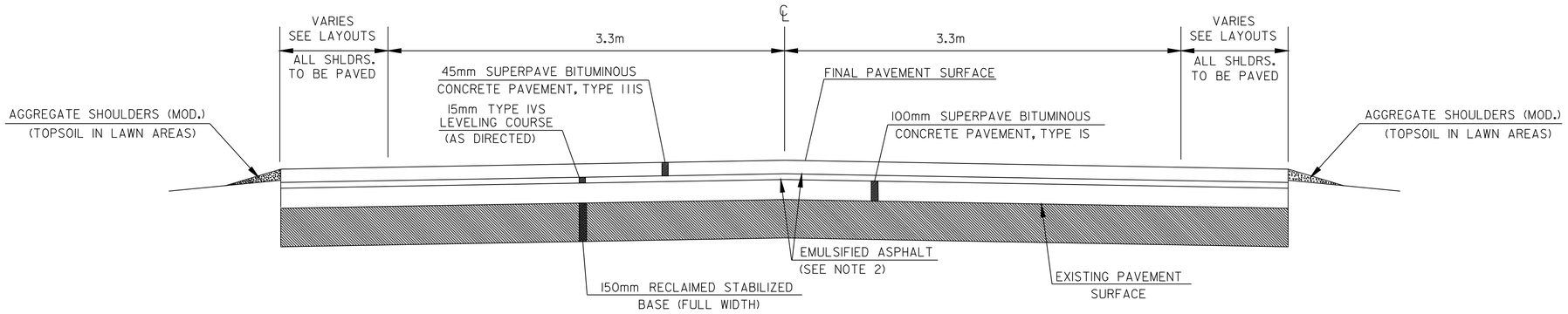
WAITSFIELD

STA 6+671.00 TO 10+245.00

STA 11+185.00 TO 12+198.40

MORETOWN

STA 0+000.00 TO 0+760.00



RECLAIMED STABILIZED BASE TYPICAL SECTION

WAITSFIELD

STA 10+245.00 TO 11+185.00

PROJECT PAVING LIMITS
(REFER TO TRANSITION DETAILS ON SHEET 26)

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL (SEE LAYOUTS)	WEARING DEPTH	LEVELING Tons	NOTES
WAITSFIELD - VT. ROUTE 100	6+671	7+876	VARIES - 3.3m - 3.3m - VARIES	45mm	99	COLD PLANE 75mm, RECLAIM 150mm, 100mm TYPE IS, LEVEL (IF NECESSARY) & PAVE w/45mm TYPE IIIS.
WAITSFIELD - VT. ROUTE 100	7+876	7+926	VARIES - 3.3m - 3.3m - VARIES	30mm	30	BRIDGE 181 - COLD PLANE 30mm & PAVE w/30mm TYPE IVS.
WAITSFIELD - VT. ROUTE 100	7+926	10+245	VARIES - 3.3m - 3.3m - VARIES	45mm	170	COLD PLANE 75mm, RECLAIM 150mm, 100mm TYPE IS, LEVEL (IF NECESSARY) & PAVE w/45mm TYPE IIIS.
WAITSFIELD - VT. ROUTE 100	10+245	11+185	VARIES - 3.3m - 3.3m - VARIES	45mm	93	RECLAIM 150mm, 100mm TYPE IS, LEVEL (IF NECESSARY) & PAVE w/45mm TYPE IIIS.
WAITSFIELD - VT. ROUTE 100	11+185	11+466	VARIES - 3.3m - 3.3m - VARIES	45mm	23	COLD PLANE 75mm, RECLAIM 150mm, 100mm TYPE IS, LEVEL (IF NECESSARY) & PAVE w/45mm TYPE IIIS.
WAITSFIELD - VT. ROUTE 100	11+466	11+492	VARIES - 3.3m - 3.3m - VARIES	30mm	15	BRIDGE 186 - COLD PLANE 30mm & PAVE w/30mm TYPE IVS.
WAITSFIELD - VT. ROUTE 100	11+492	12+198.4	VARIES - 3.3m - 3.3m - VARIES	45mm	48	COLD PLANE 75mm, RECLAIM 150mm, 100mm TYPE IS, LEVEL (IF NECESSARY) & PAVE w/45mm TYPE IIIS.
MORETOWN - VT. ROUTE 100	0+000	0+760	VARIES - 3.3m - 3.3m - VARIES	45mm	54	COLD PLANE 75mm, RECLAIM 150mm, 100mm TYPE IS, LEVEL (IF NECESSARY) & PAVE w/45mm TYPE IIIS.

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE TYPE IIIS.

   THE PAVEMENT BASE COURSE SHALL BE TYPE IS.

   AN ESTIMATED QUANTITY OF LEVELING (TYPE IVS) HAS ALSO BEEN INCLUDED FOR THE RECLAIMED SEGMENTS OF THE PROJECT TO ELIMINATE ANY IRREGULARITIES PRIOR TO PLACEMENT OF THE WEARING COURSE. A 15mm LIFT HAS BEEN INCLUDED FOR AN ESTIMATED 25% OF THE RECLAIMED SURFACE AREA.

   ALL ASPHALT CEMENT USED IN THE BITUMINOUS PAVEMENT SHALL BE PG 58-34.

2. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, (NOT INCLUDING RECLAIMING SURFACES) BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.12 L/SM, OR AS DIRECTED BY THE RESIDENT ENGINEER.

3. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 5 mm (TOTAL THICKNESS EXCLUDING LEVELING).

4. PRIOR TO RECLAIMING, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF 75 mm +/- OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. THIS WORK WILL BE PAID UNDER THE APPROPRIATE RENTAL ITEMS SUCH AS ALL PURPOSE EXCAVATOR RENTAL TYPE I, GRADER RENTAL, TRUCK RENTAL AND POWER BROOM RENTAL. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL BEING REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.).

   AN ADDITIONAL QUANTITY OF SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.) HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADATION DEFICIENCIES WITHIN THE RECLAIMED SECTIONS. AN ESTIMATED THICKNESS OF 50mm HAS BEEN INCLUDED FOR THE ENTIRE RECLAIMED SURFACE AREA.

5. ONE METER OF BACKING IS REQUIRED BEHIND THE FACE OF BOX BEAM GUARDRAIL WITH 1.6 m POSTS. IF THIS CAN NOT BE OBTAINED THEN 2.1m POSTS SHALL BE USED.

6. ALL EDGES OF PAVEMENT AND TREATED TIMBER CURB SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12, AGGREGATE SHOULDERS (MOD.).

7. PIPE INLET AND OUTLET AREAS, AND GENERAL DITCH CLEANING SHALL BE PERFORMED AT THE LOCATIONS INDICATED ON THE DITCH CLEANING DETAIL SHEET AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE MADE UNDER THE APPLICABLE EQUIPMENT RENTALS ITEM(S).

8. ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID UNDER THE APPLICABLE RENTAL ITEMS. IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID UNDER ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.). A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 490.30. QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.

9. ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL, TYPE I AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES WITH EARTH BORROW. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 75mm DEPTH OF AGGREGATE SHOULDERS (MOD.) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 20m^3 OF EARTH BORROW AND 5 TONS OF AGGREGATE SHOULDERS (MOD) FOR EACH GUARD RAIL TERMINAL.

10. ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDE ROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.

11. COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD), ITEM 402.12, AGGREGATE SHOULDERS (MOD), AND ITEM 651.35, TOPSOIL IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.

12. STABILIZING AGENT FOR THE RECLAIMED STABILIZED BASE WILL BE WATER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 310.20.

NOT TO SCALE

VAOT Metric

PROJECT TYPICAL SHEET

DRAWN BY LFW DATE 7-05

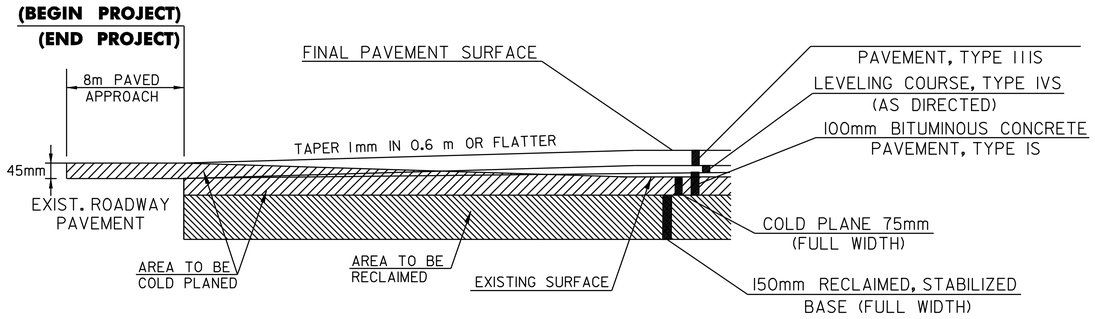
DESIGN FILE NO. /pave/00b058/00b058.dgn

PRF FILE 00b058typl.i DATE PLOTTED 23-MAY-2008

PROJ. NAME: **WAITSFIELD - MORETOWN**

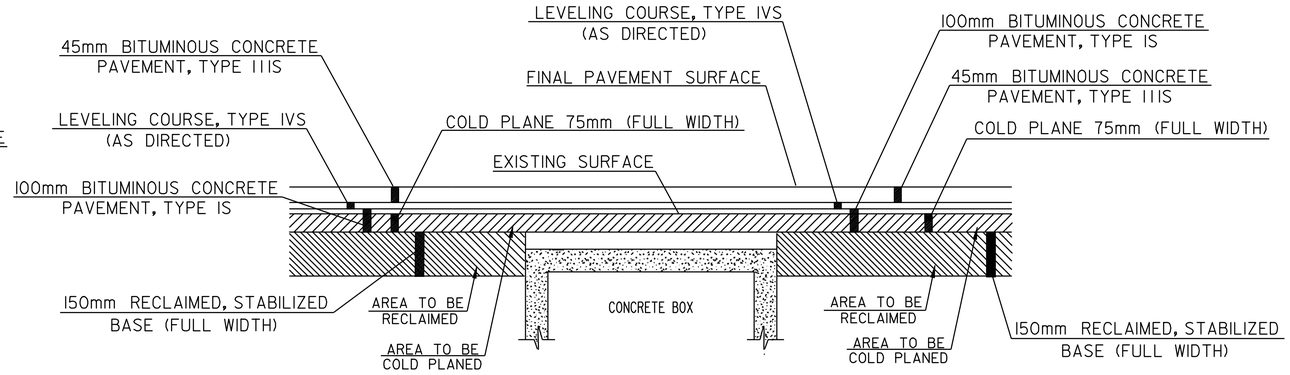
PROJ. NO.: **STP 2227(1)S**

SHEET **25** OF **54** SHEETS



– APPROACH AREA DETAIL –

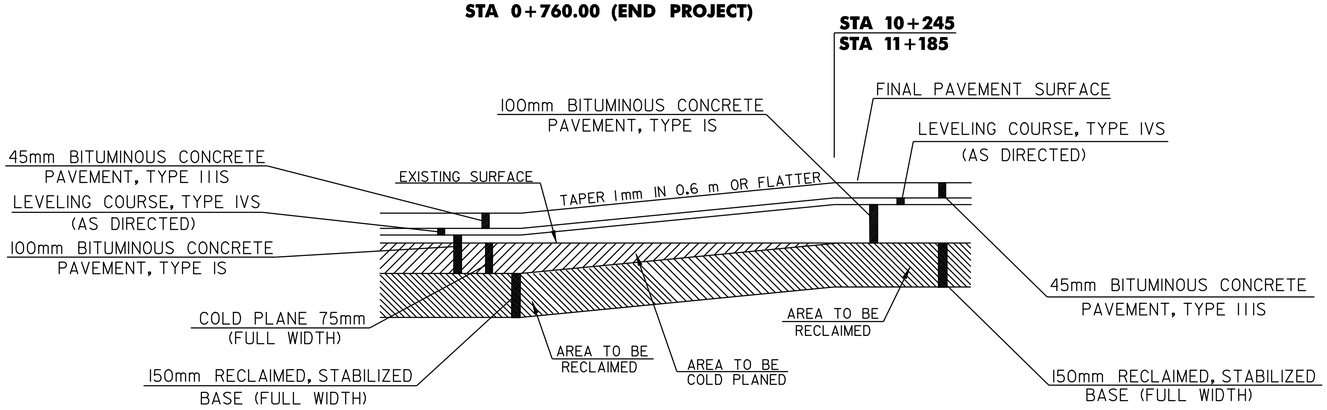
WAITSFIELD
STA 6+671.00 (BEGIN PROJECT)
MORETOWN
STA 0+760.00 (END PROJECT)



– COLD PLANING DETAIL @ CONCRETE BOXES –

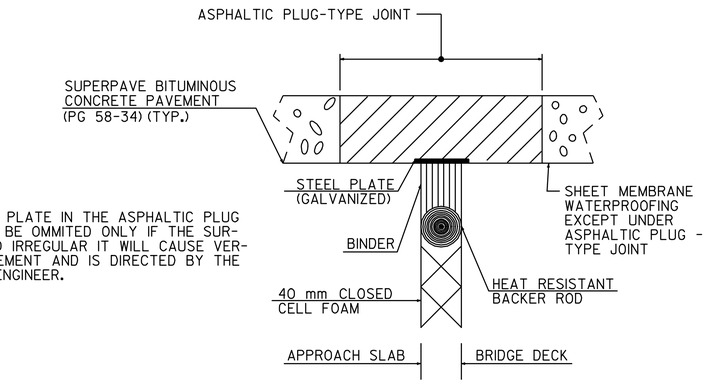
LOCATION		FIELD STATION
WAITSFIELD	UNNUMBERED 3′ x 3′ BOX	STA 7+299
WAITSFIELD	BRIDGE #180	STA 7+646
WAITSFIELD	BRIDGE #184	STA 8+735
WAITSFIELD	BRIDGE #185	STA 9+353

NOTE: THESE PARTICULAR CONCRETE BOX CULVERTS DO NOT APPEAR TO HAVE SUFFICIENT COVER TO ACCOMMODATE THE DESIGNED RECLAIM DEPTH.



– TRANSITION AREA DETAIL –

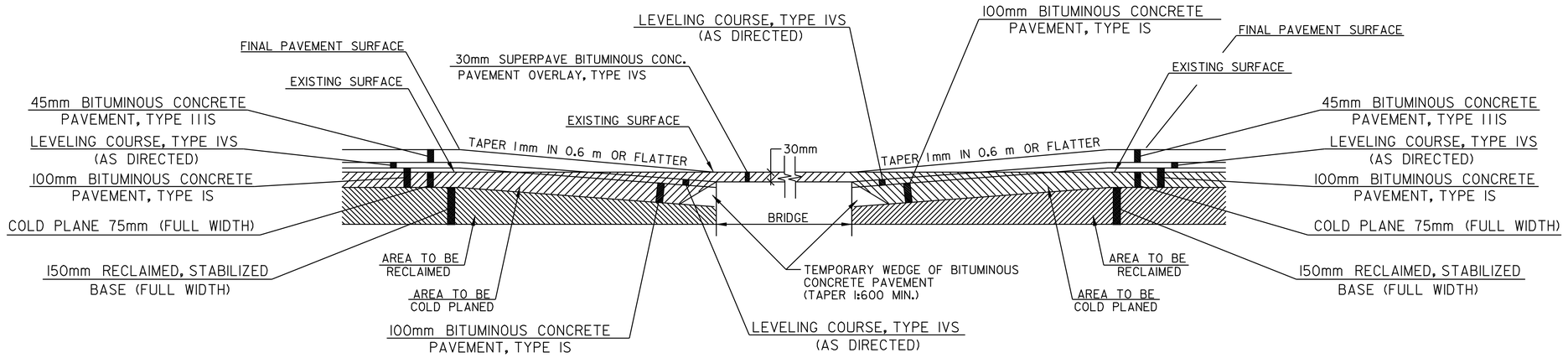
WAITSFIELD
STA 10+245 (RECLAIMING/END COLD PLANING)
STA 11+185 (BEGIN COLD PLANING/RECLAIMING)



NOTE: THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMMITED ONLY IF THE SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IS DIRECTED BY THE RESIDENT ENGINEER.

ASPHALTIC PLUG-TYPE JOINT DETAIL

	FIELD STA.	LENGTH
VT. ROUTE 100 WAITSFIELD - BRIDGE 186 - STA. 11+466		(8.7 m)
VT. ROUTE 100 WAITSFIELD - BRIDGE 186 - STA. 11+492		(8.7 m)



– COLD PLANING DETAIL @ BRIDGES –

LOCATION		FIELD STATION
WAITSFIELD	BRIDGE #181	STA 7+907
WAITSFIELD	BRIDGE #186	STA 11+479

NOTE: THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BRIDGE 186 AS NOT TO DAMAGE THE BRIDGE MEMBRANE. IF DAMAGE TO THIS MEMBRANE SHOULD OCCUR DURING THE COLD PLANING, THE CONTRACTOR SHALL REPLACE THE BRIDGE MEMBRANE AT NO COST TO THE STATE.

THE CONTACTOR SHALL TAKE PRECAUTIONS TO AVOID THE ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES LOCATED AT CURB LINE AND IN THE EXPANSION JOINTS. THE CONTRACTOR SHALL EXAMINE THESE BRIDGE 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.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

% WT.	kg/ha.	NAME	PUR.%	GERM.%
37.14	26.0	CREEPING RED FESCUE	98	85
37.14	26.0	TALL FESCUE	95	90
5.71	4.0	RED TOP	95	90
14.30	10.0	BIRDSFOOT TREFOIL	98	85
5.71	4.0	ANNUAL RYEGRASS	95	85
100.0	70.0			

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 DIRECTED BY THE RESIDENT ENGINEER

FERTILIZER:
FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha, 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.

NOT TO SCALE

VAOT Metric

PAVING DETAILS AND PAVEMENT JOINT DETAIL SHEET

DESIGNED BY LFW DATE 7-05
DRAWN BY LFW DATE 7-05
DESIGN FILE NO. /pave/00b058/00b058.dgn
PRF FILE 00b058typ2.i DATE PLOTTED 23-MAY-2008
PROJ. NAME: **WAITSFIELD – MORETOWN**
PROJ. NO.: **STP 2227(1)S**
SHEET **26** OF **54** SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

VAOT Metric

									APPROXIMATE SUMMARY OF QUANTITIES		
				FULL E & C	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
				-	-	4	4	EA	THINNING AND TRIMMING (FOR SIGNS)	201.31	EST.
				-	-	10	10	m^3	COMMON EXCAVATION	203.15	EST.
				-	-	2,000	2,000	m^3	EARTH BORROW	203.30	EST.
				-	-	0.8	0.8	m^3	TRENCH EXCAVATION OF EARTH (N.A.B.I.)	204.20	-
				-	-	47,500	47,500	m^2	COLD PLANING - BITUMINOUS PAVEMENT	210.10	382
				-	-	8,350	8,350	t	SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.)	301.28	38
				-	-	54,500	54,500	m^2	RECLAIMED STABILIZED BASE	310.20	506
				-	-	2,900	2,900	t	AGGREGATE SHOULDERS (MOD.)	402.12	66
				-	-	14,000	14,000	kg	EMULSIFIED ASPHALT	404.65	143
				-	-	0.8	0.8	LU	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.)	406.50	-
				-	-	21,000	21,000	t	SUPERPAVE BITUMINOUS CONC. PAVE. (PG 58-34)	490.30	211
				-	20	-	20	m	BRIDGE EXPANSION JOINT (ASPHALTIC PLUG)	516.10	2.6
				-	70	-	70	m	REMOVAL OF EXISTING RAILING	525.10	4
				-	-	50	50	m	375mm CSP 1.63mm (68mm x 12mm)	601.0010	EST.
				-	-	50	50	m	450mm CSP 1.63mm (68mm x 12mm)	601.0015	EST.
				-	-	100	100	m	450mm CPEP	601.0915	EST.
				-	-	3	3	EA	375mm CSPES 1.63mm (68mm x 12mm)	601.6010	EST.
				-	-	3	3	EA	450mm CSPES 1.63mm (68mm x 12mm)	601.6015	EST.
				-	-	5	5	EA	450mm CPEPES	601.7015	EST.
				-	-	8	8	EA	REHABING OF DI, CB OR MH, CLASS I	604.412	-
				-	-	100	100	m	150mm UNDERDRAIN	605.10	EST.
				-	-	100	100	HR	POWER GRADER RENTAL	608.15	EST.
				-	-	350	350	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
				-	-	50	50	HR	POWER BROOM RENTAL	608.30	EST.
				-	-	30	30	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
				-	-	700	700	HR	TRUCK RENTAL	608.37	EST.
				-	-	10	10	t	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15	EST.
				-	-	170	170	m^3	STONE FILL, TYPE I	613.10	5
				-	-	10	10	t	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	EST.
				-	-	1	1	EA	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
				-	-	1	1	EA	RELOCATE MAILBOX, MULTIPLE SUPPORT	617.12	-
				-	-	35	35	EA	YIELDING MARKER POSTS	619.17	-
				-	-	1,600	1,600	m	BOX BEAM GUARDRAIL (GALVANIZED)	621.30	40.4
				-	170	-	170	m	BOX BEAM GUARDRAIL (GALVANIZED) (MOD. 3)	621.30	1.12
				-	-	800	800	m	BOX BEAM GUARDRAIL (GALVANIZED)(2.1m POSTS)	621.30	19.1
				-	-	2,325	2,325	m	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	42
				-	-	10	10	EA	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	3
				-	-	1.000	1,000	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
				-	-	4,800	4,800	HR	FLAGGERS	630.15	EST.
				0.8	-	-	0.8	LS	FIELD OFFICE - ENGINEERS	631.10	-
				0.8	-	-	0.8	LS	TESTING EQUIPMENT - CONCRETE	631.16	-
				0.8	-	-	0.8	LS	TESTING EQUIPMENT - BITUMINOUS	631.17	-
				0.8	-	-	0.8	LU	FIELD OFFICE - TELEPHONE (N.A.B.I.)	631.25	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING - BITUMINOUS PAVEMENT
43,783	m^2	VT. ROUTE 100 (INCLUDING BRIDGES)
3,335	m^2	SIDE ROADS, DRIVEWAYS AND PARKING AREAS
382	m^2	ROUNDING
47,500	m^2	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-34)
		TYPE IS BASE COURSE
12,959	t	VT. ROUTE 100
753	t	SIDE ROADS
13,712	t	TOTAL
		TYPE IVS LEVELING COURSE
487	t	VT. ROUTE 100 RECLAIMED SEGMENTS (IF NECESSARY)
45	t	BRIDGES
50	t	SIDE ROADS, DRIVEWAYS AND PARKING AREAS
582	t	TOTAL
		TYPE IIIS WEARING COURSE
5,832	t	VT. ROUTE 100
663	t	SIDE ROADS, DRIVEWAYS AND PARKING AREAS
6,495	t	TOTAL
13,712	t	TOTAL TYPE IS BASE COURSE
582	t	TOTAL TYPE IVS LEVELING COURSE
6,495	t	TOTAL TYPE IIIS WEARING COURSE
211	t	ROUNDING
21,000	t	TOTAL
		SUBBASE OF CRUSHED GRAVEL (FINE GRADED) (MOD.)
6,540	t	VT. ROUTE 100 RECLAIMED STABILIZED BASE
74	t	SIDE ROADS, DRIVES AND PARKING AREAS
1,698	t	REPLACEMENT OF UNSUITABLE SHOULDER MATERIAL
38	t	ROUNDING
8,350	t	TOTAL
		STONE FILL, TYPE I
150	m^3	DITCH CLEANING DETAIL SHEET
15	m^3	ITEM DETAIL SUMMARY SHEET
5	m^3	ROUNDING
170	m^3	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									

pave/00b058/00b058.dgn
00b058qsl.i 23-MAY-2008 12:56

PROJECT NAME WAITSFIELD - MORETOWN
PROJECT NUMBER STP 2227(I)S

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

VAOT Metric

									APPROXIMATE SUMMARY OF QUANTITIES		
				FULL E & C	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
				-	-	0.8	0.8	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
				-	-	0.8	0.8	LS	TRAFFIC CONTROL	641.10	-
				-	-	0.8	0.8	LS	PUBLIC RELATIONS OFFICER	641.12	-
				-	-	3	3	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
				-	-	12,600	12,600	m	DURABLE 100 mm WHITE LINE (THERMOPLASTIC)	646.40	69
				-	-	12,200	12,200	m	DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)	646.41	70
				-	-	60	60	m	DURABLE 600 mm STOP BAR (THERMOPLASTIC)	646.46	8
				-	-	34	34	EA	DURABLE LETTER OR SYMBOL (THERMOPLASTIC)	646.50	-
				-	-	25,200	25,200	m	TEMPORARY 100 mm WHITE LINE (PAINT)	646.60	138
				-	-	24,400	24,400	m	TEMPORARY 100 mm YELLOW LINE (PAINT)	646.61	140
				-	-	120	120	m	TEMPORARY 600 mm STOP BAR (PAINT)	646.66	16
				-	-	68	68	EA	TEMPORARY LETTERS OR SYMBOLS (PAINT)	646.70	-
				-	-	1,100	1,100	EA	LINE STRIPING TARGETS	646.76	68
				-	-	500	500	m^2	GEOTEXTILE UNDER STONE FILL	649.31	EST.
				-	-	1,000	1,000	m^2	GEOTEXTILE FOR SILT FENCE	649.51	EST.
				-	-	70	70	kg	SEED	651.15	EST.
				-	-	560	560	kg	FERTILIZER	651.18	EST.
				-	-	4.5	4.5	t	AGRICULTURAL LIMESTONE	651.20	EST.
				-	-	4.5	4.5	t	HAY MULCH	651.25	EST.
				-	-	100	100	EA	HAY BALES FOR EROSION CONTROL	651.26	EST.
				-	-	50	50	m^3	TOPSOIL	651.35	EST.
				-	-	2,500	2,500	m^2	EROSION MATTING	654.10	92
				-	-	12	12	m^2	TRAFFIC SIGNS, TYPE A	675.20	0.71
									BEGIN OPTION ITEMS		
				-	-	115	115	m	FLANGED CHANNEL SIGN POST	675.301	4.6
				-	-	115	115	m	SQUARE TUBE SIGN POST AND ANCHOR	675.341	4.6
									END OPTION ITEMS		
				-	-	32	32	EA	REMOVING SIGNS	675.50	-
				-	-	8	8	EA	ERECTING SALVAGED SIGNS	675.60	-
				-	-	50	50	EA	DELINEATORS WITH STEEL POSTS	676.10	-
				-	-	0.8	0.8	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS				REMARKS
FROM	TO				+	-			
TOTALS									

pave/00b058/00b058.dgn
00b058qs2.i
23-MAY-2008 12:56

PROJECT NAME WAITSFIELD - MORETOWN
PROJECT NUMBER STP 2227(I)S

ITEM DETAIL SUMMARY SHEET

VDOT Metric

LOCATION			DRAINAGE ITEMS/MISC. ITEMS										GUARDRAIL					REMARKS
			NEW CULVERT/END SECTIONS			604.412	605.10	613.10	616.47	617.10	617.12	619.17	621.30	621.30	621.80	621.81	676.10	
FIELD STATION	FIELD STATION	POS.	DIA.	TYPE	LENGTH/TH	REHAB DROP INLET	150mm UNDERDRAIN	STONE FILL TYPE I	BIT. CONC. GUTTERS & TRF. ISLAND	RELOCATE MAILBOX - SINGLE	RELOCATE MAILBOX - MULTIPLE	YIELDING MARKER POSTS	BOX BEAM GUARDRAIL (GALV.)	BOX BEAM G.R.(GALV.) (2.1m POSTS)	REMOVAL & DISP. G.R.	REMOVAL & DISP. G.P.	DELINE. W/STEEL POSTS	
			mm	--	m /mm	EA	m	m^3	TON	EA	EA	EA	m	m	m	EA	EA	
WAITSFIELD:	MORETOWN:																	
6+671	0+760		375	CSP	50/1.63		100		10									ESTIMATED QUANTITIES FOR USE AS DIRECTED BY THE RESIDENT ENGINEER.
			450	CSP	50/1.63													
			450	CPEP	100/ --													
			375	CSPES	3 EA./1.63													
			450	CSPES	3 EA./1.63													
			450	CPEPES	5 EA./ --													
WAITSFIELD:	MORETOWN:																	
6+671	0+760					8		15		~~1~~ 0	~~1~~ 0	35						SEE LAYOUT SHEETS FOR THE REQUIRED LOCATIONS OF THESE ITEMS.
7+297	7+234	LT											27.4		-		2	90 FEET OF BOX BEAM TO PROTECT 3x3 CONC BOX INLET
WAITSFIELD:																		
7+618.0	7+681.0	LT											62.20		63		2	9/15/06
7+618.0	7+779.0	RT											160.90		161		2	
													27.43					
7+872.2	7+930.0	LT											~~31.09~~		35		2	SEE SHEETS 45 AND 46 FOR BRIDGE QUANTITIES. 66'-0" + 24'-0" = 27.43m
													12.80					
7+885.0	7+928.2	RT											~~16.46~~		35		2	SEE SHEETS 45 AND 46 FOR BRIDGE QUANTITIES. 24'-0" + 18'-0" = 12.80m
8+165.0	8+304.0	RT											139.00		138		2	
8+167.0	8+249.0	LT											82.30		82		2	
8+339.0	8+500.0	RT												160.93	161		2	
8+472.0	8+495.0	LT											23.77		23		2	
+718.6														27.4				
8+729.5	8+746.0	LT												~~16.46~~			2	RAIL EXTENDED TO 90 FEET. 2 POSTS
9+170.3	9+238.0	RT												67.67			2	
9+323.0	9+429.0	RT											106.07		106		2	
9+336.0	9+359.0	LT											11.0		23		2	SEE SHEETS 45 AND 48 FOR BRIDGE QUANTITIES. 18'-0" 5.5m ON EACH END = 11.0m
9+438.0	9+495.0	RT											56.69		57		2	
	+710												188.73		183			
9+526.0	9+720.0	RT											~~193.85~~		~~194~~		2	600 FT INSTALLED + 48 FT x 0.4 FACTOR = 188.73
9+540	9+620	LT												80.5	-		2	264 FT OF BOX BEAM ADDED TO PROTECT STEEP BANK
9+802.0	9+921.0	RT												118.87	119		2	
10+140.0	10+284.0	RT												144.48	144		2	
	TH 9													65.84				
10+316.0	0+066	RT												~~62.18~~	61		2	REPLACE GUARDRAIL ALONG TH #9. 216 FEET BOX BEAM INSTALLED
10+328.0	10+459.0	RT											~~128.02~~	126.2	125	2	2	414 FEET INSTALLED 2 INSTALLED TO PROTECT STEEP BANK
	TH 8													74.07				
10+488.0	10+074	RT												~~74.98~~	75		1	REPLACE GUARDRAIL ALONG TH #8 USING 2.1m POSTS. 243 FEET INSTALLED
													154.53		154			
10+488.0	10+641.6	RT											~~153.62~~		~~150~~	1	1	AT STA. 10+488.0 RT, END BOX BEAM WITH 2.1m POSTS/BEGIN NORMAL LENGTH POSTS.
10+686.0	10+900.0	RT											213.97		209	2	2	
10+694	10+763	LT												69.5	68	2	2	EXISTING 2 CABLE RAIL NOT ON PLANS 228 FT OF BOX BEAM INSTALLED
11+023.0	11+160.2	RT											137.16		135 ~~132~~	2	2	
11+456.0	11+502.0	RT											5.5		20		2	SEE SHEETS 45 AND 47 FOR BRIDGE QUANTITIES. 18'-0" BOX BEAM 5.5m
11+458.0	11+505.0	LT											5.5		21		2	SEE SHEETS 45 AND 47 FOR BRIDGE QUANTITIES. 18'-0" BOX BEAM 5.5m
MORETOWN:														149.96				
0+363.0	0+513.0	RT											~~54.86~~	~~95.10~~	149		2	USE BOX BEAM WITH 2.1m POSTS ~~FROM STA. 0+363.0 TO 0+458.1 RT.~~ FOR WHOLE RUN
														60.35				
0+416.0	0+456.2	LT												~~40.23~~			2	198 FEET OF BOX BEAM INSTALLED
SHEET SUBTOTAL						8	100	15	10	1	1	35	1414.95 ~~1,559.96~~	1145.77 ~~780.9~~	2347 ~~2,283~~	9 ~~7~~	56 ~~50~~	
ROUNDING						-	-	-	-	-	-	-	~~40.04~~	19.1	42	3	-	
TOTAL			375	CSP	50/1.63	8	100	15	10	1	1	35	1,600.00	800.00	2,325	10	50	
			450	CSP	50/1.63													
			450	CPEP	100/ --								BOOK 1 PAGE 97	BOOK 1 PAGE 101				
			375	CSPES	3 EA./1.63													
			450	CSPES	3 EA./1.63													
			450	CPEPES	5 EA./ --													

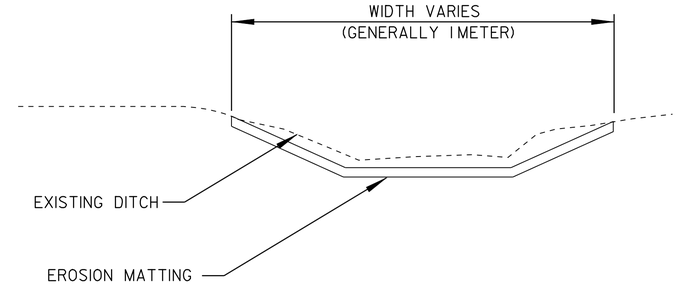
ITEM DETAIL SUMMARY SHEET

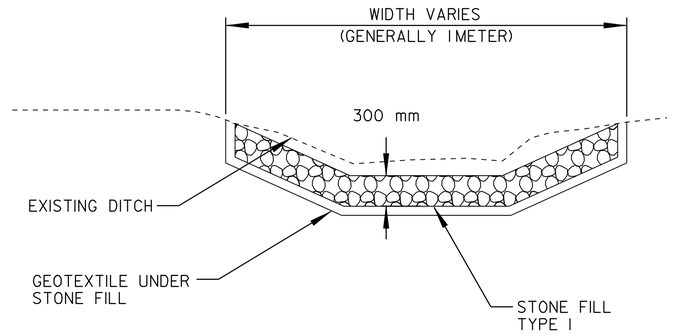
SURVEYED BY J. REDMOND DATE 7/05
DRAWN BY J. REDMOND DATE 7/05
SQUAD LEADER J. REDMOND
DESIGN FILE NO. pave/00b058/00b058.dgn
IPARM FILE 00b058idl.i DATE PLOTTED 23-MAY-2008 12:56
PROJ. NAME WAITSFIELD - MORETOWN
PROJ. NO. STP 2227(1)S
SHEET 29 OF 54

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
					PERCENT GRADE		654.10	613.10	649.31	
SITE	STATION	STATION	POS.	0-1	1-2.5	2.5-10	EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
							m^2	m^3	m^2	
VT. ROUTE 100										
WAITSFIELD										
1	7+176	7+240	RT		64		64			
2	7+176	7+279	LT		103		103			
3	7+303	7+480	LT		177		177			
4	7+537	7+549	RT		12		12			
5	7+537	7+549	LT		12		12			
6	7+572	7+592	LT		20		20			
7	8+222	8+438	LT		216		216			
8	8+580	8+768	LT		188		188			
9	8+600	8+680	RT		80		80			
10	8+946	9+185	RT		239		239			
11	9+125	9+214	LT		89		89			
12	10+100	10+117	LT		17		17			
13	10+140	10+273	LT		133		133			
14	10+273		RT		10		10			CULV. OUTLET DITCH
15	10+456	10+486	LT		30		30			
16	10+523	10+632	LT		109		109			
17	10+643	10+676	LT		33		33			
18	10+641	10+696	RT		55		55			
19	11+070	11+172	LT		102		102			
20	11+182	11+308	LT		126		126			
21	11+787	11+810	LT		23		23			
22	11+907		RT		10		10			CULV. OUTLET DITCH
MORETOWN										
1	0+131	0+388	LT		257		257			
2	0+457	0+760	LT		303		303			
ESTIMATED QUANTITY TO BE USED IN LOCATIONS DIRECTED BY THE RESIDENT ENGINEER								150	500	
	SUBTOTAL				2408		2408	150	500	
	ROUNDING				92		92	--	--	
	TOTAL				2500		2500	150	500	

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
					PERCENT GRADE		654.10	613.10	649.31	
SITE	STATION	STATION	POS.	0-1	1-2.5	2.5-10	EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
							m^2	m^3	m^2	

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
					PERCENT GRADE		654.10	613.10	649.31	
SITE	STATION	STATION	POS.	0-1	1-2.5	2.5-10	EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
							m^2	m^3	m^2	





DITCH DETAILS

NOT TO SCALE

NOTES:

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

2. AN ESTIMATED QUANTITY OF EROSION MATTING AND STONE FILL TYPE I HAS BEEN INCLUDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2 AND 5 PERCENT AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 5 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

DITCH CLEANING DETAIL SHEET

PROJECT: WAITSFIELD - MORETOWN

PROJECT NO.: STP 2227(I)S

DESIGN FILE NAME: pave/00b058/00b058.dgn

IPARM FILE NAME: 00b058ditcl.i

SURVEYED BY: J. REDMOND

SQUAD LEADER: J. REDMOND

PLOT DATE: 23-MAY-2008 12:56

SURVEY DATE: 7/05

DRAWN BY: J. REDMOND

SHEET: 30 OF 54

Metric

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 6+671 - STA. 6+800 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 6+671 - STA. 6+800	S	-	S

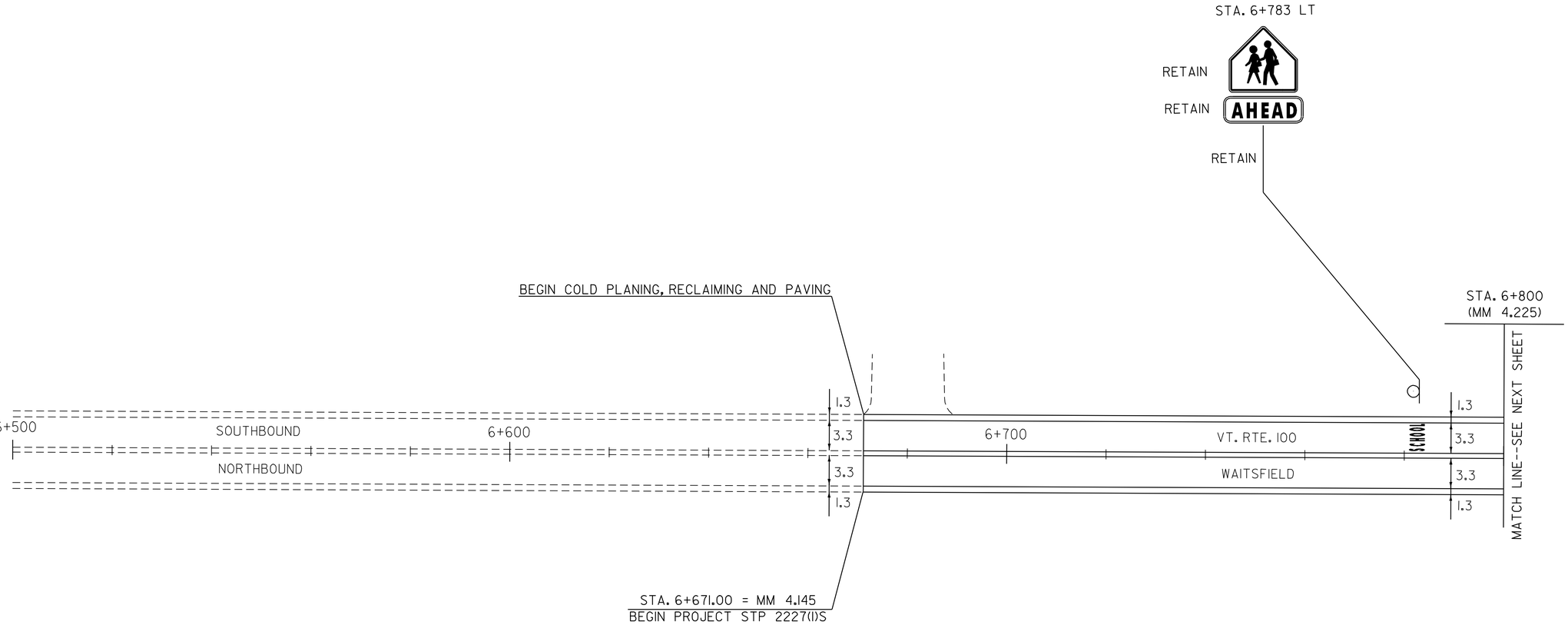
646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
WAITSFIELD:
STA. 6+783 LT, "S,C,H,O,O,L" (6 EA)

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 6+671 - STA. 6+800 LT & RT

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 6+671 - STA. 6+800	S	-	S

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
WAITSFIELD:
STA. 6+783 LT, "S,C,H,O,O,L" (6 EA)



NOT TO SCALE

PAVING PROJECT LAYOUT #1 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058101.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 31 OF 54

VTrans Metric

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WAITSFIELD:
STA. 6+800 - STA. 7+400 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

WAITSFIELD:
STA. 6+800 - STA. 7+400 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 6+800 - STA. 7+400	S	-	S

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

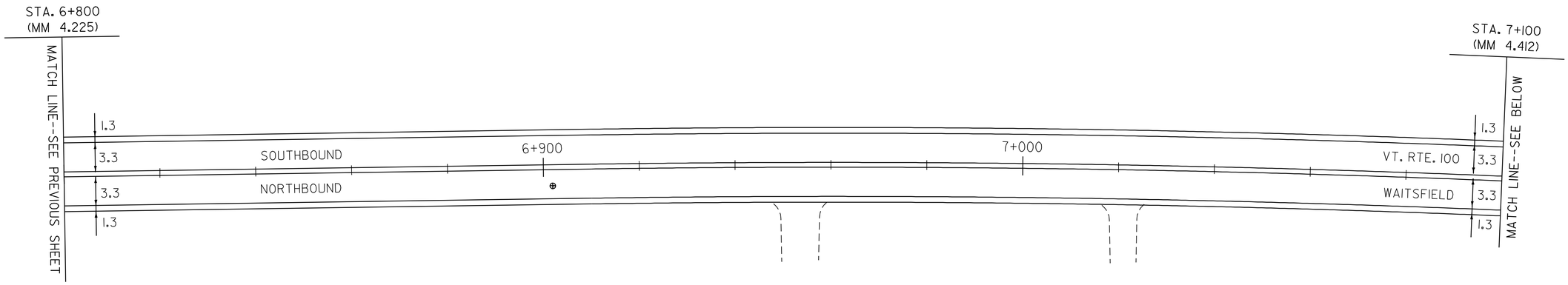
WAITSFIELD:	LT	℄	RT
STA. 6+800 - STA. 7+400	S	-	S

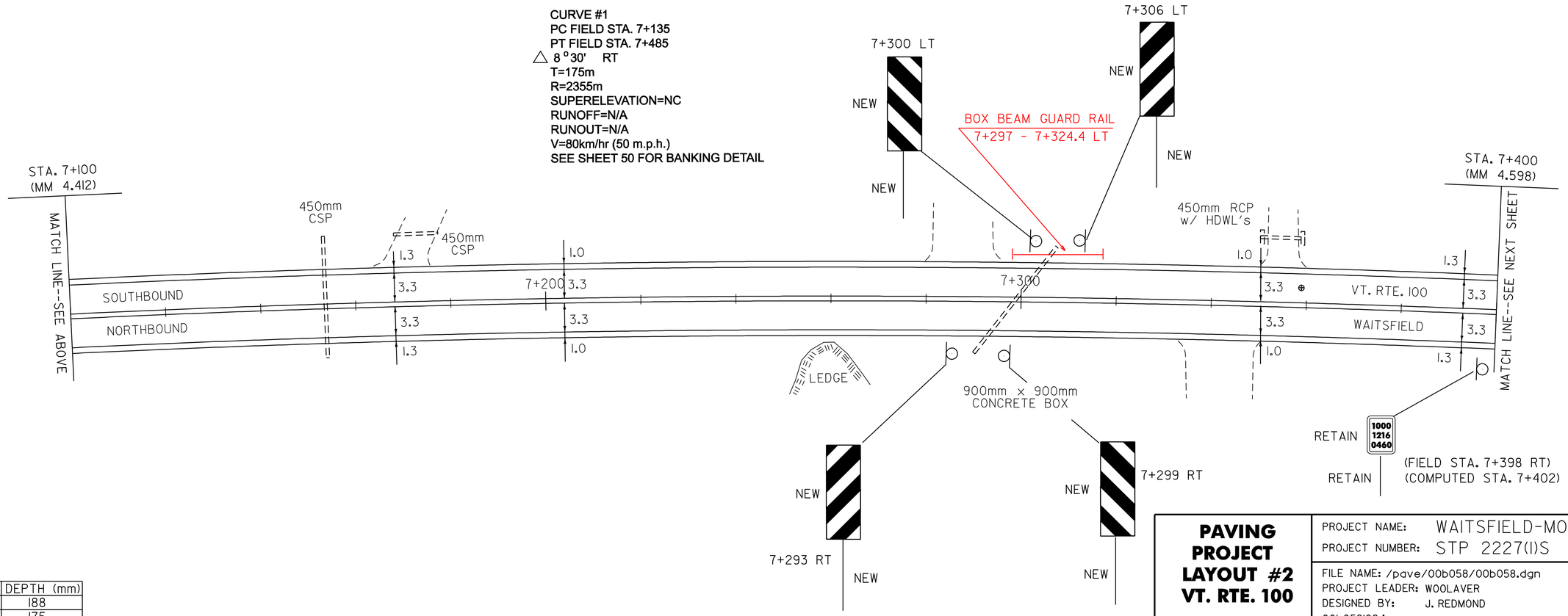
619.17 YIELDING MARKER POSTS

WAITSFIELD:
STA. 7+155 LT & RT (2)
STA. 7+296 RT (1)
STA. 7+303 LT (1)

DITCHING LOCATION

WAITSFIELD:
STA. 7+176 - 7+240 RT
STA. 7+176 - 7+279 LT
STA. 7+303 - 7+400 LT





NOT TO SCALE

CORE NO.	LOCATION	DEPTH (mm)
1	6+902 RT	188
6	7+358 LT	175

PAVING PROJECT LAYOUT #2 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058102.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 32 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 7+400 - STA. 8+000 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 7+400 - STA. 8+000 LT & RT

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
WAITSFIELD:
STA. 7+557 LT, T-12
STA. 7+955 RT, T-15

646.66 TEMPORARY 600 mm STOP BAR (PAINT)
WAITSFIELD:
STA. 7+557 LT, T-12
STA. 7+955 RT, T-15

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA. 7+400 - STA. 8+000	S	-	S

STA. 7+557 DOUBLE SOLID LT, T-12
STA. 7+955 DOUBLE SOLID RT, T-15

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA. 7+400 - STA. 8+000	S	-	S

STA. 7+557 DOUBLE SOLID LT, T-12
STA. 7+955 DOUBLE SOLID RT, T-15

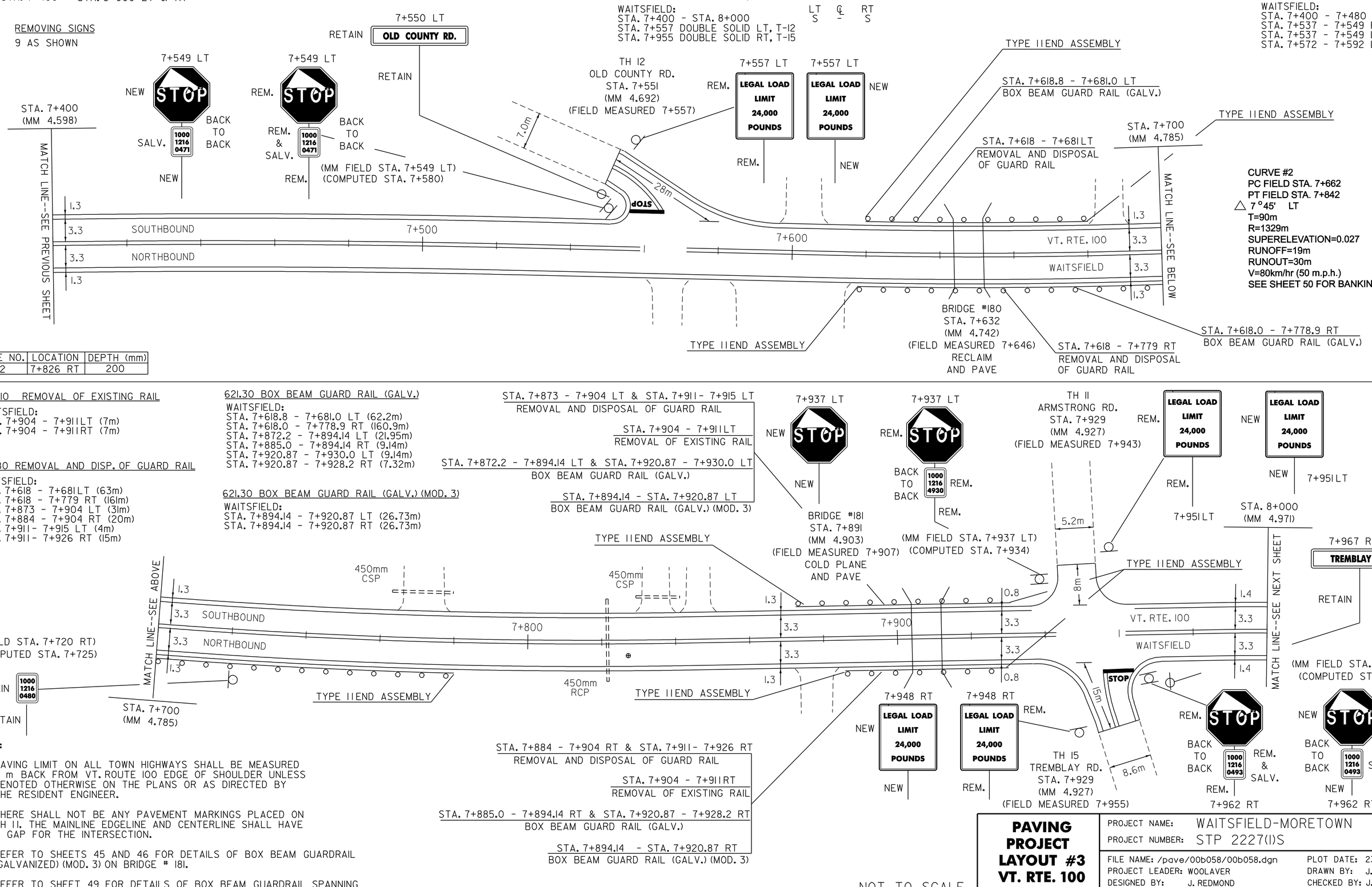
646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
WAITSFIELD:
STA. 7+557 LT, T-12, "S,T,O,P" (4 EA)
STA. 7+955 RT, T-15, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
WAITSFIELD:
STA. 7+557 LT, T-12, "S,T,O,P" (4 EA)
STA. 7+955 RT, T-15, "S,T,O,P" (4 EA)

619.17 YIELDING MARKER POSTS
WAITSFIELD:
STA. 7+822 LT & RT (2)

DITCHING LOCATION
WAITSFIELD:
STA. 7+400 - 7+480 LT
STA. 7+537 - 7+549 RT
STA. 7+537 - 7+549 LT
STA. 7+572 - 7+592 LT

REMOVING SIGNS
9 AS SHOWN



CURVE #2
PC FIELD STA. 7+662
PT FIELD STA. 7+842
△ 7°45' LT
T=90m
R=1329m
SUPERELEVATION=0.027
RUNOFF=19m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 50 FOR BANKING DETAIL

CORE NO.	LOCATION	DEPTH (mm)
2	7+826 RT	200

525.10 REMOVAL OF EXISTING RAIL
WAITSFIELD:
STA. 7+904 - 7+911 LT (7m)
STA. 7+904 - 7+911 RT (7m)

621.80 REMOVAL AND DISP. OF GUARD RAIL
WAITSFIELD:
STA. 7+618 - 7+681 LT (63m)
STA. 7+618 - 7+779 RT (161m)
STA. 7+873 - 7+904 LT (31m)
STA. 7+884 - 7+904 RT (20m)
STA. 7+911 - 7+915 LT (4m)
STA. 7+911 - 7+926 RT (15m)

621.30 BOX BEAM GUARD RAIL (GALV.)
WAITSFIELD:
STA. 7+618.8 - 7+681.0 LT (62.2m)
STA. 7+618.0 - 7+778.9 RT (160.9m)
STA. 7+872.2 - 7+894.14 LT (21.95m)
STA. 7+885.0 - 7+894.14 RT (9.14m)
STA. 7+920.87 - 7+930.0 LT (9.14m)
STA. 7+920.87 - 7+928.2 RT (7.32m)

621.30 BOX BEAM GUARD RAIL (GALV.) (MOD. 3)
WAITSFIELD:
STA. 7+894.14 - 7+920.87 LT (26.73m)
STA. 7+894.14 - 7+920.87 RT (26.73m)

STA. 7+873 - 7+904 LT & STA. 7+911 - 7+915 LT
REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 7+904 - 7+911 LT
REMOVAL OF EXISTING RAIL
STA. 7+872.2 - 7+894.14 LT & STA. 7+920.87 - 7+930.0 LT
BOX BEAM GUARD RAIL (GALV.)
STA. 7+894.14 - STA. 7+920.87 LT
BOX BEAM GUARD RAIL (GALV.) (MOD. 3)

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. THERE SHALL NOT BE ANY PAVEMENT MARKINGS PLACED ON TH 11. THE MAINLINE EDGELINE AND CENTERLINE SHALL HAVE A GAP FOR THE INTERSECTION.
3. REFER TO SHEETS 45 AND 46 FOR DETAILS OF BOX BEAM GUARDRAIL (GALVANIZED) (MOD. 3) ON BRIDGE # 181.
4. REFER TO SHEET 49 FOR DETAILS OF BOX BEAM GUARDRAIL SPANNING SMALL BRIDGES (BRIDGE # 180).

STA. 7+884 - 7+904 RT & STA. 7+911 - 7+926 RT
REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 7+904 - 7+911 RT
REMOVAL OF EXISTING RAIL
STA. 7+885.0 - 7+894.14 RT & STA. 7+920.87 - 7+928.2 RT
BOX BEAM GUARD RAIL (GALV.)
STA. 7+894.14 - STA. 7+920.87 RT
BOX BEAM GUARD RAIL (GALV.) (MOD. 3)

NOT TO SCALE

PAVING PROJECT LAYOUT #3 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058103.1
PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 33 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 8+000 - STA. 8+600 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 8+000 - STA. 8+600 LT & RT

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
WAITSFIELD:
STA. 8+450 LT, T-7, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
WAITSFIELD:
STA. 8+450 LT, T-7, "S,T,O,P" (4 EA)

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 8+000 - STA. 8+600	S	-	S

STA. 8+450 DOUBLE SOLID LT, T-7

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 8+000 - STA. 8+600	S	-	S

STA. 8+450 DOUBLE SOLID LT, T-7

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
WAITSFIELD:
STA. 8+450 LT, T-7

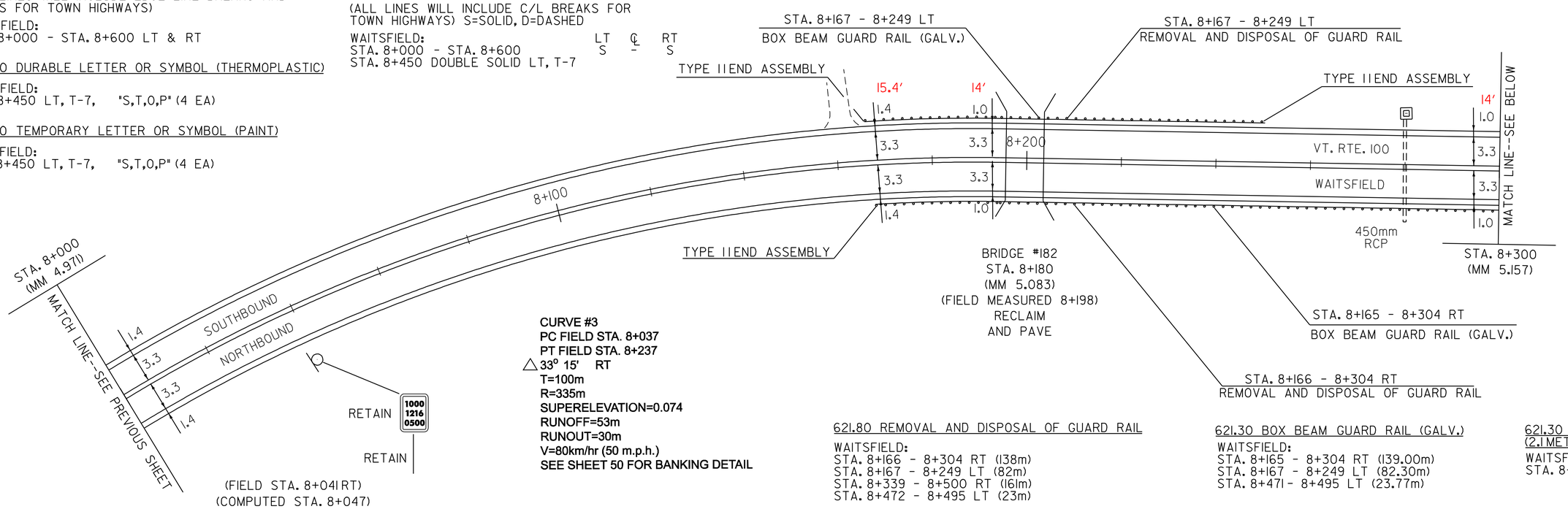
646.66 TEMPORARY 600 mm STOP BAR (PAINT)
WAITSFIELD:
STA. 8+450 LT, T-7

604.412 REHABILITATION OF DI, CB OR MH
WAITSFIELD:
STA. 8+280 LT (THROATED)
STA. 8+378 LT (THROATED)
STA. 8+598 LT (THROATED)

619.17 YIELDING MARKER POSTS
WAITSFIELD:
STA. 8+280 LT & RT (2)
STA. 8+378 LT & RT (2)
STA. 8+598 LT (1)

DITCHING LOCATION
WAITSFIELD:
STA. 8+222 - 8+438 LT
STA. 8+580 - 8+600 LT

REMOVING SIGNS
3 AS SHOWN



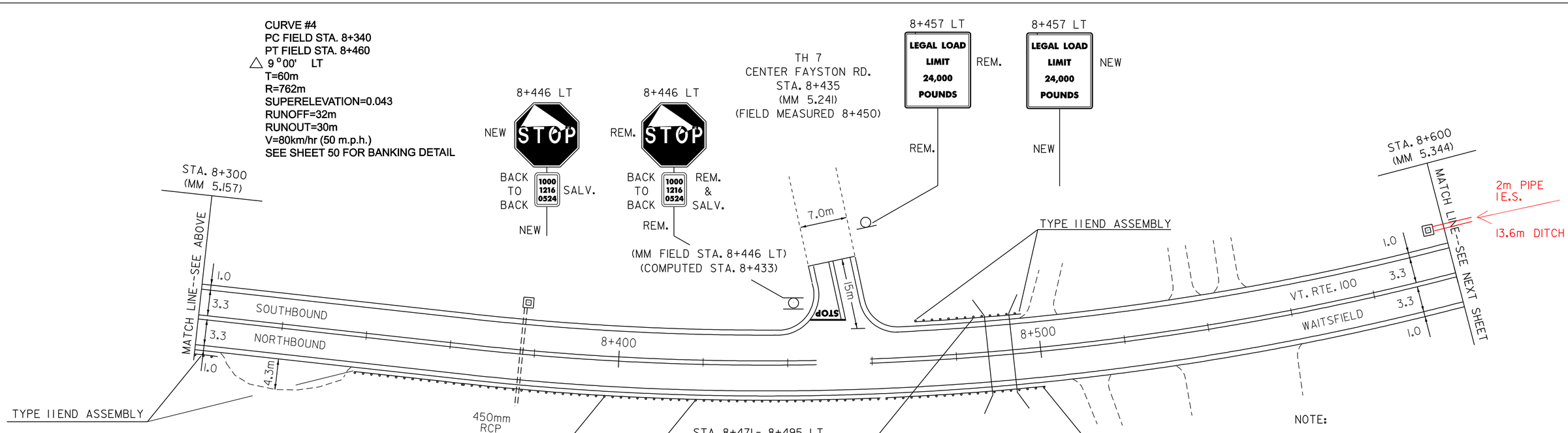
CURVE #3
PC FIELD STA. 8+037
PT FIELD STA. 8+237
△ 33° 15' RT
T=100m
R=335m
SUPERELEVATION=0.074
RUNOFF=53m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 50 FOR BANKING DETAIL

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
WAITSFIELD:
STA. 8+166 - 8+304 RT (138m)
STA. 8+167 - 8+249 LT (82m)
STA. 8+339 - 8+500 RT (161m)
STA. 8+472 - 8+495 LT (23m)

621.30 BOX BEAM GUARD RAIL (GALV.)
WAITSFIELD:
STA. 8+165 - 8+304 RT (139.00m)
STA. 8+167 - 8+249 LT (82.30m)
STA. 8+471 - 8+495 LT (23.77m)

621.30 BOX BEAM GUARD RAIL (GALV.) (2.1METER POSTS)
WAITSFIELD:
STA. 8+339 - 8+500 RT (160.93m)

CURVE #4
PC FIELD STA. 8+340
PT FIELD STA. 8+460
△ 9°00' LT
T=60m
R=762m
SUPERELEVATION=0.043
RUNOFF=32m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 50 FOR BANKING DETAIL



NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

PAVING PROJECT LAYOUT #4 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058104.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 34 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 8+600 - STA. 9+200 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 8+600 - STA. 9+200 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 8+600 - STA. 9+200	S	-	S

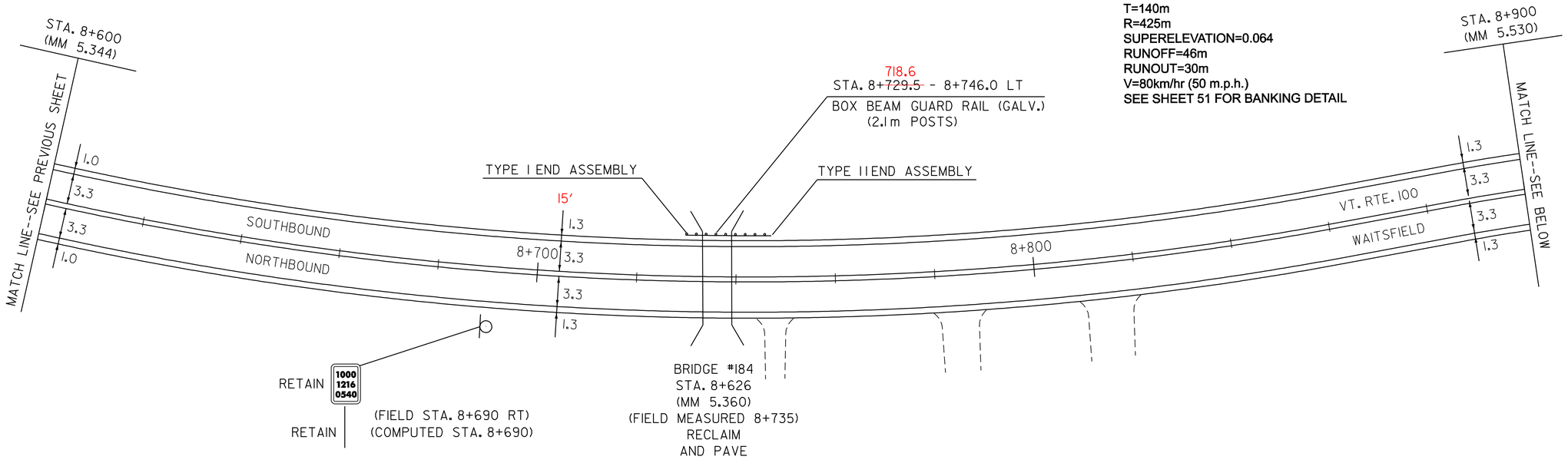
646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 8+600 - STA. 9+200	S	-	S

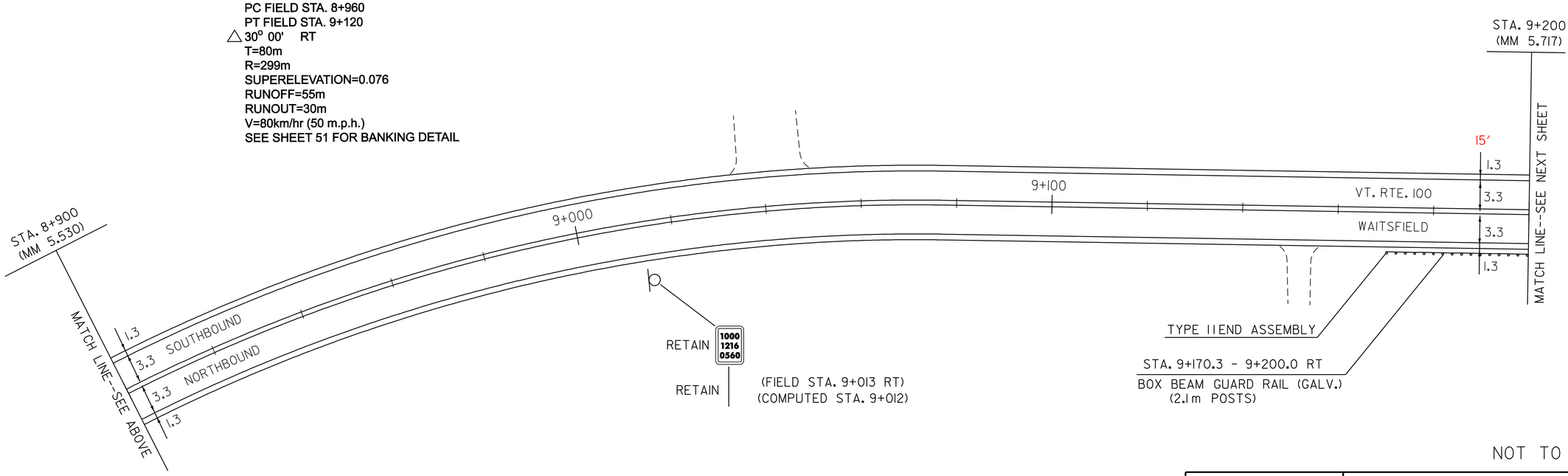
DITCHING LOCATION
WAITSFIELD:
STA. 8+600 - 8+768 LT
STA. 8+600 - 8+680 RT
STA. 8+946 - 9+185 RT
STA. 9+125 - 9+200 LT

621.30 BOX BEAM GUARD RAIL (GALV.) (2.1 METER POSTS)
WAITSFIELD:
STA. 8+729.5 - 8+746.5 LT (16.46m)
STA. 9+170.3 - 9+200.0 RT (29.67m)

CURVE #5
PC FIELD STA. 8+583
PT FIELD STA. 8+863
△ 36° 30' LT
T=140m
R=425m
SUPERELEVATION=0.064
RUNOFF=46m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 51 FOR BANKING DETAIL



CURVE #6
PC FIELD STA. 8+960
PT FIELD STA. 9+120
△ 30° 00' RT
T=80m
R=299m
SUPERELEVATION=0.076
RUNOFF=55m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 51 FOR BANKING DETAIL



NOT TO SCALE

NOTE:

1. REFER TO SHEET 49 FOR DETAILS OF BOX BEAM GUARDRAIL SPANNING SMALL BRIDGES (BRIDGE # 184).

PAVING PROJECT LAYOUT #5 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058105.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 35 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 9+200 - STA. 9+800 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 9+200 - STA. 9+800 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 9+200 - STA. 9+607	S	-	S
STA. 9+607 - STA. 9+784	S		D
STA. 9+784 - STA. 9+800	D		S

STA. 9+227 DOUBLE SOLID LT, T-47

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 9+200 - STA. 9+607	S	-	S
STA. 9+607 - STA. 9+784	S		D
STA. 9+784 - STA. 9+800	D		S

STA. 9+227 DOUBLE SOLID LT, T-47

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
WAITSFIELD:
STA. 9+227 LT, T-47

646.66 TEMPORARY 600 mm STOP BAR (PAINT)
WAITSFIELD:
STA. 9+227 LT, T-47

613.10 STONE FILL, TYPE I (FOR SHOULDER/SLOPE REPAIR)
WAITSFIELD:
STA. 9+557 LT (5m^3)

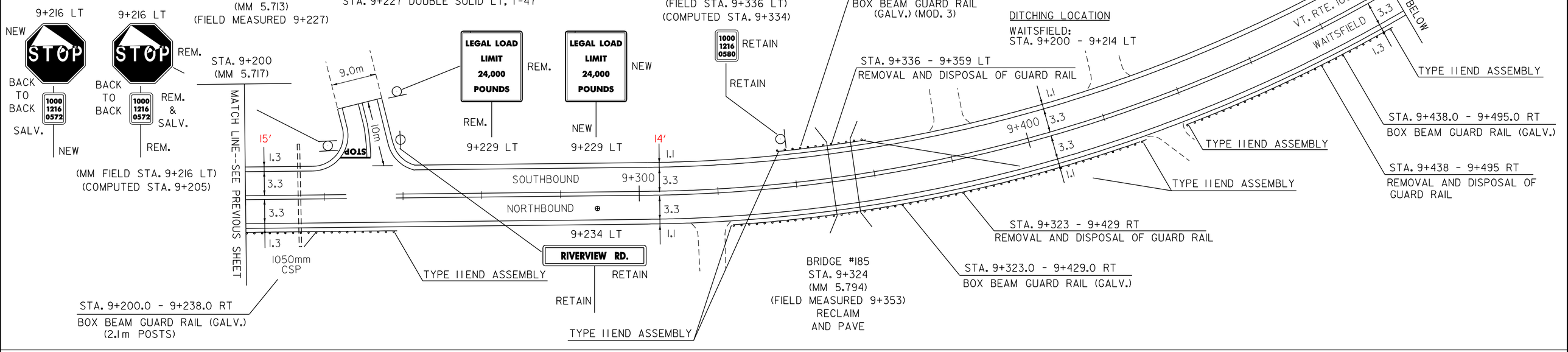
646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
WAITSFIELD:
STA. 9+227 LT, T-47, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
WAITSFIELD:
STA. 9+227 LT, T-47, "S,T,O,P" (4 EA)

REMOVING SIGNS
3 AS SHOWN

619.17 YIELDING MARKER POSTS
WAITSFIELD:
STA. 9+740 LT & RT (2)

DITCHING LOCATION
WAITSFIELD:
STA. 9+200 - 9+214 LT



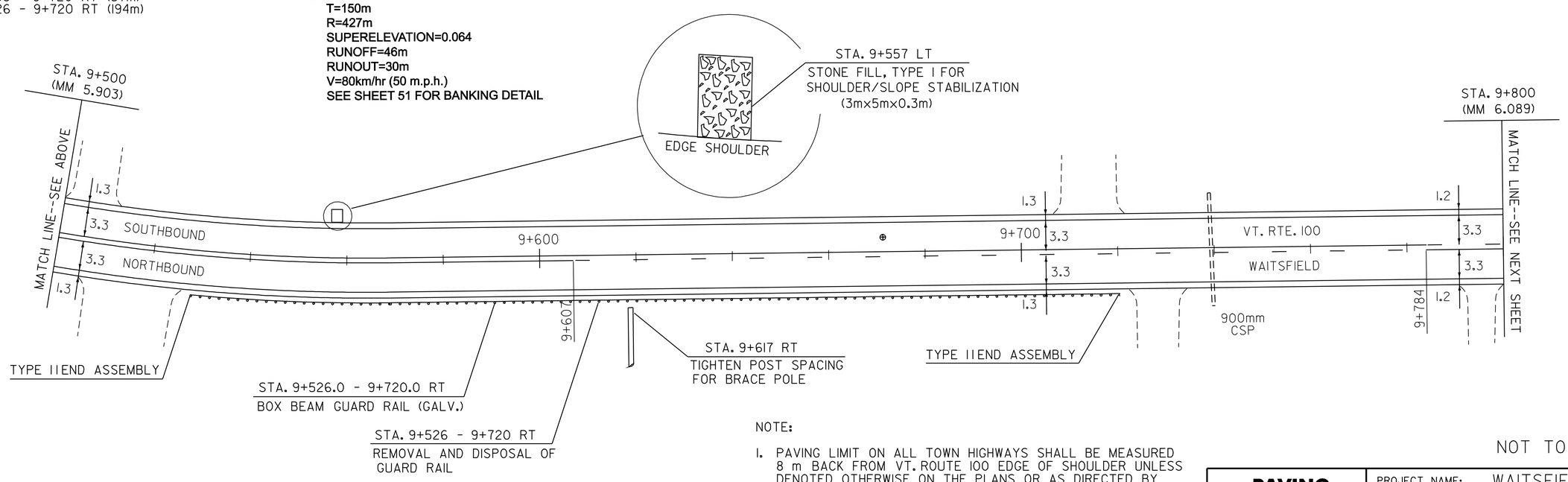
621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
WAITSFIELD:
STA. 9+323 - 9+429 RT (106m)
STA. 9+336 - 9+359 LT (23m)
STA. 9+438 - 9+720 RT (57m)
STA. 9+526 - 9+720 RT (194m)

CURVE #7
PC FIELD STA. 9+346
PT FIELD STA. 9+646
△ 38° 45' LT
T=150m
R=427m
SUPERELEVATION=0.064
RUNOFF=46m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 51 FOR BANKING DETAIL

621.30 BOX BEAM GUARD RAIL (GALV.)
WAITSFIELD:
STA. 9+323.0 - 9+429.0 RT (106.07m)
STA. 9+438.0 - 9+495.0 RT (56.69m)
STA. 9+526.0 - 9+720.0 RT (193.85m)

621.30 BOX BEAM GUARD RAIL (GALV.) (2.1 METER POSTS)
WAITSFIELD:
STA. 9+200.0 - 9+238.0 RT (38.0m)

621.30 BOX BEAM GUARD RAIL (GALV.) (MOD. 3)
WAITSFIELD:
STA. 9+335.0 - 9+359.0 LT (23.98m)



CORE NO.	LOCATION	DEPTH (mm)
3	9+288 RT	175
5	9+672 LT	163

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. REFER TO SHEETS 45 AND 48 FOR DETAILS OF BOX BEAM GUARDRAIL (GALVANIZED) (MOD. 3) ON BRIDGE # 185.
3. REFER TO SHEET 49 FOR DETAILS OF BOX BEAM GUARDRAIL POST SPACING AT NON-YIELDING OBJECTS.

NOT TO SCALE

PAVING PROJECT LAYOUT #6 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058106.1
PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 36 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 9+800 - STA. 10+400 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 9+800 - STA. 10+400 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 9+800 - STA. 10+018	D	-	S
STA. 10+018 - STA. 10+400	S		S

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 9+800 - STA. 10+018	D	-	S
STA. 10+018 - STA. 10+400	S		S

604.412 REHABILITATION OF DI, CB OR MH
WAITSFIELD:
STA. 10+007 LT (THROATED)
STA. 10+226 LT (THROATED)
STA. 10+393 LT (ROUND)

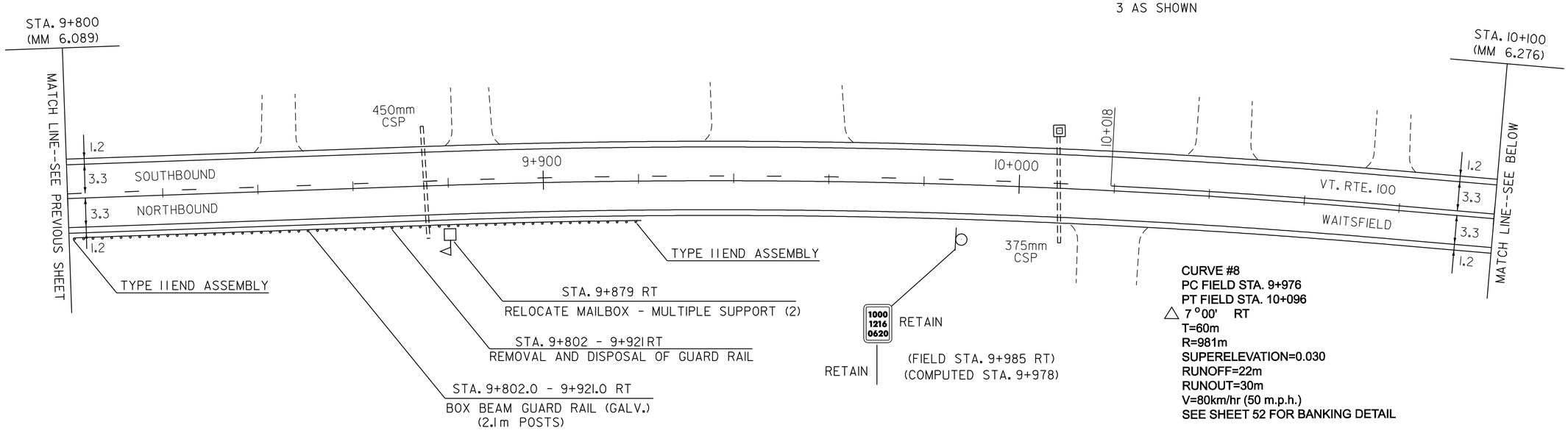
617.10 RELOCATE MAILBOX - SINGLE SUPPORT
WAITSFIELD:
STA. 10+339 RT

617.12 RELOCATE MAILBOX - MULTIPLE SUPPORT
WAITSFIELD:
STA. 9+879 RT (2 BOX SUPPORT)

619.17 YIELDING MARKER POSTS
WAITSFIELD:
STA. 9+875 LT & RT (2)
STA. 10+007 LT & RT (2)
STA. 10+226 LT & RT (2)
STA. 10+273 LT & RT (2)
STA. 10+393 LT & RT (2)

DITCHING LOCATION
WAITSFIELD:
STA. 10+100 - 10+117 LT
STA. 10+140 - 10+273 LT
STA. 10+273 RT (CLEAN CULVERT OUTLET DITCH)

REMOVING SIGNS
3 AS SHOWN

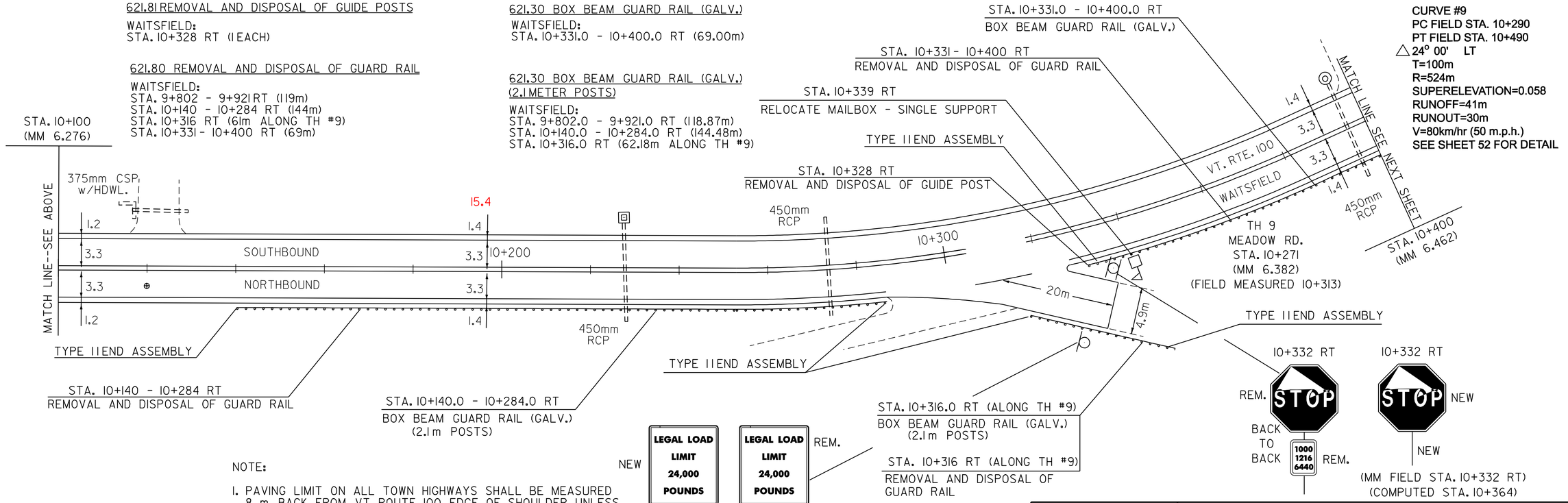


621.81 REMOVAL AND DISPOSAL OF GUIDE POSTS
WAITSFIELD:
STA. 10+328 RT (1 EACH)

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
WAITSFIELD:
STA. 9+802 - 9+921 RT (119m)
STA. 10+140 - 10+284 RT (144m)
STA. 10+316 RT (61m ALONG TH #9)
STA. 10+331 - 10+400 RT (69m)

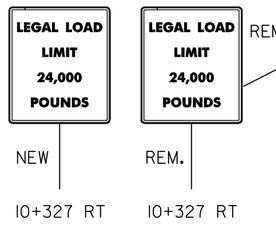
621.30 BOX BEAM GUARD RAIL (GALV.)
WAITSFIELD:
STA. 10+331.0 - 10+400.0 RT (69.00m)

621.30 BOX BEAM GUARD RAIL (GALV.)
(2.1 METER POSTS)
WAITSFIELD:
STA. 9+802.0 - 9+921.0 RT (118.87m)
STA. 10+140.0 - 10+284.0 RT (144.48m)
STA. 10+316.0 RT (62.18m ALONG TH #9)



NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. THERE SHALL NOT BE ANY PAVEMENT MARKINGS PLACED ON TH 9. THE MAINLINE EDGELINE AND CENTERLINE SHALL HAVE A GAP FOR THE INTERSECTION.



CORE NO.	LOCATION	DEPTH (mm)
4	10+120 RT	165

NOT TO SCALE

PAVING PROJECT LAYOUT #7 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058107.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 37 OF 54

REMOVING SIGNS
8 AS SHOWN

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 10+400 - STA. 11+000 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 10+400 - STA. 11+000 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA. 10+400 - STA. 10+960	S	-	S
STA. 10+960 - STA. 11+000	D		S

STA. 10+775 DOUBLE SOLID LT, T-6

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
WAITSFIELD:

	LT	℄	RT
STA. 10+400 - STA. 10+960	S	-	S
STA. 10+960 - STA. 11+000	D		S

STA. 10+775 DOUBLE SOLID LT, T-6

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
WAITSFIELD:
STA. 10+775 LT, T-6

646.66 TEMPORARY 600 mm STOP BAR (PAINT)
WAITSFIELD:
STA. 10+775 LT, T-6

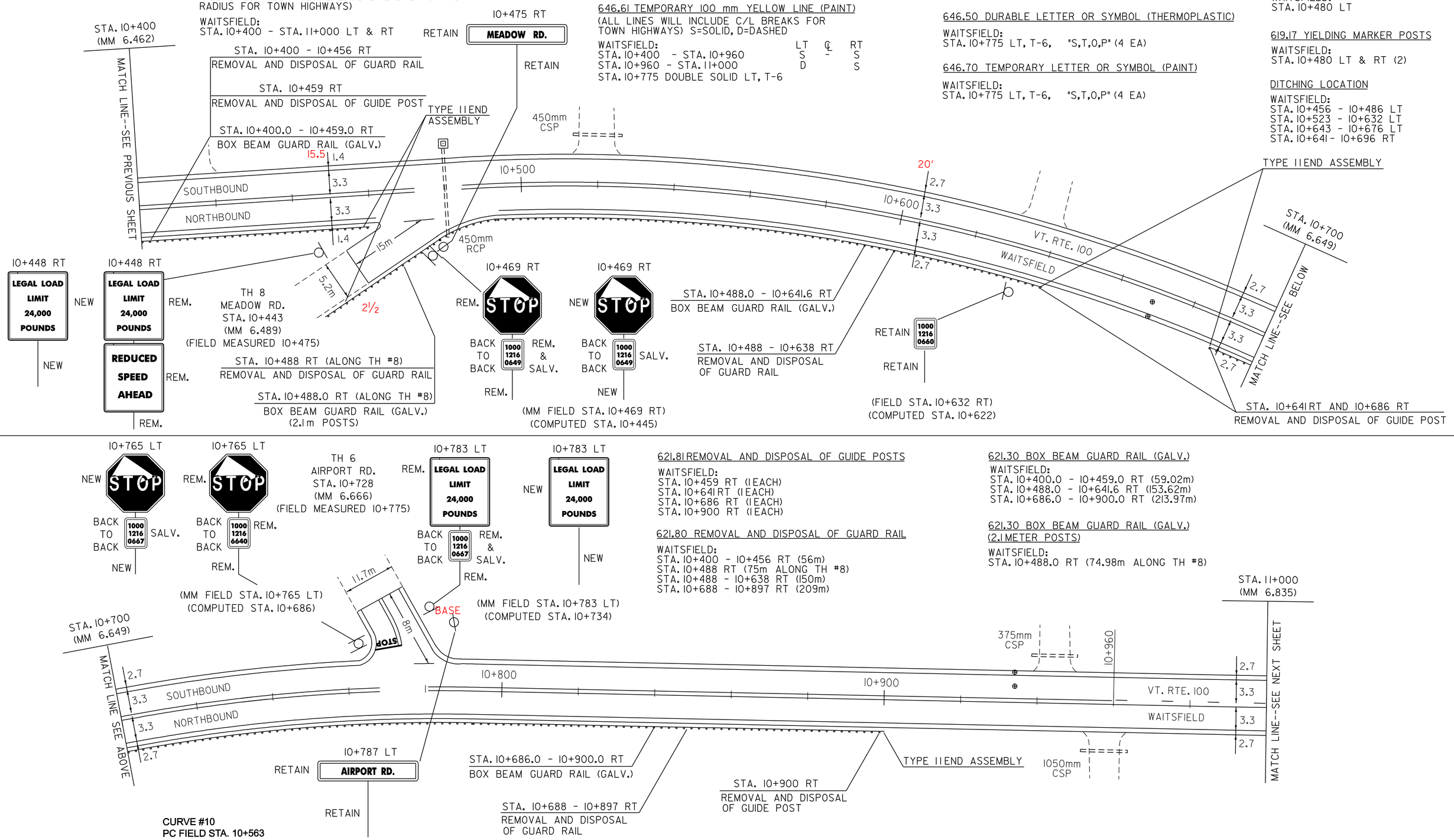
646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
WAITSFIELD:
STA. 10+775 LT, T-6, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
WAITSFIELD:
STA. 10+775 LT, T-6, "S,T,O,P" (4 EA)

604.412 REHABILITATION OF DI, CB OR MH
WAITSFIELD:
STA. 10+480 LT

619.17 YIELDING MARKER POSTS
WAITSFIELD:
STA. 10+480 LT & RT (2)

DITCHING LOCATION
WAITSFIELD:
STA. 10+456 - 10+486 LT
STA. 10+523 - 10+632 LT
STA. 10+643 - 10+676 LT
STA. 10+641 - 10+696 RT



621.81 REMOVAL AND DISPOSAL OF GUIDE POSTS
WAITSFIELD:
STA. 10+459 RT (1 EACH)
STA. 10+641 RT (1 EACH)
STA. 10+686 RT (1 EACH)
STA. 10+900 RT (1 EACH)

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
WAITSFIELD:
STA. 10+400 - 10+456 RT (56m)
STA. 10+488 RT (75m ALONG TH #8)
STA. 10+488 - 10+638 RT (150m)
STA. 10+688 - 10+897 RT (209m)

621.30 BOX BEAM GUARD RAIL (GALV.)
WAITSFIELD:
STA. 10+400.0 - 10+459.0 RT (59.02m)
STA. 10+488.0 - 10+641.6 RT (153.62m)
STA. 10+686.0 - 10+900.0 RT (213.97m)

621.30 BOX BEAM GUARD RAIL (GALV.) (2.1 METER POSTS)
WAITSFIELD:
STA. 10+488.0 RT (74.98m ALONG TH #8)

CORE NO.	LOCATION	DEPTH (mm)
7	10+668 RT	119
8	10+668 RT	113 (SHLD.)
11	10+934 LT	100
12	10+934 LT	119 (SHLD.)

CURVE #10
PC FIELD STA. 10+563
PT FIELD STA. 10+883
△ 39° 00' RT
T=160m
R=452m
SUPERELEVATION=0.062
RUNOFF=45m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 52 FOR BANKING DETAIL

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

2. THERE SHALL NOT BE ANY PAVEMENT MARKINGS PLACED ON TH 8. THE MAINLINE EDGELINE AND CENTERLINE SHALL HAVE A GAP FOR THE INTERSECTION.

NOT TO SCALE

PAVING PROJECT LAYOUT #8 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058108.1
PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 38 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 11+000 - STA. 11+600 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 11+000 - STA. 11+600 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 11+000 - STA. 11+184	D	-	S
STA. 11+184 - STA. 11+600	S		S

STA. 11+314 DOUBLE SOLID LT, T-2

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 11+000 - STA. 11+184	D	-	S
STA. 11+184 - STA. 11+600	S		S

STA. 11+314 DOUBLE SOLID LT, T-2

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
WAITSFIELD:
STA. 11+314 LT, T-2

646.66 TEMPORARY 600 mm STOP BAR (PAINT)
WAITSFIELD:
STA. 11+314 LT, T-2

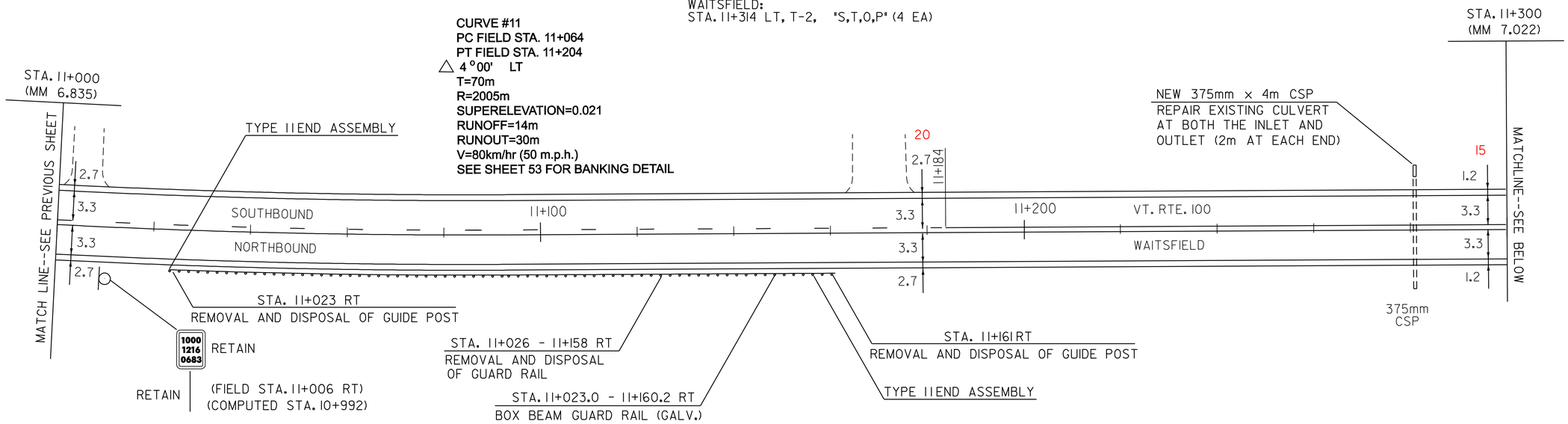
646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
WAITSFIELD:
STA. 11+314 LT, T-2, "S,T,O,P" (4 EA)

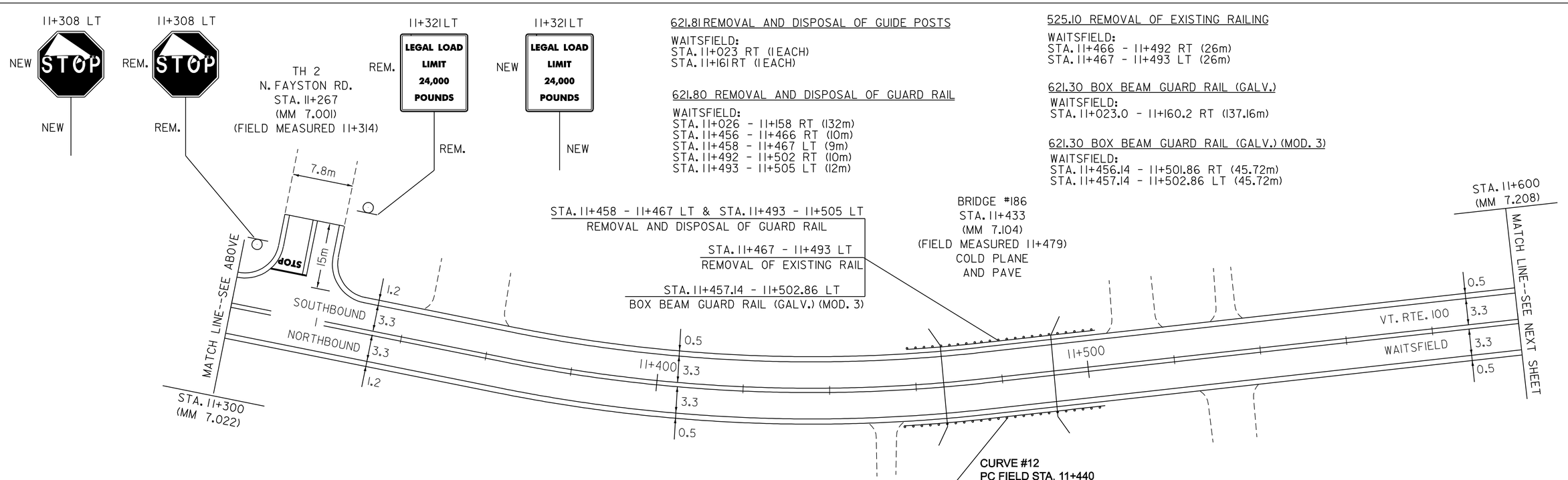
646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
WAITSFIELD:
STA. 11+314 LT, T-2, "S,T,O,P" (4 EA)

DITCHING LOCATION
WAITSFIELD:
STA. 11+070 - 11+172 LT
STA. 11+182 - 11+308 LT

REMOVING SIGNS
2 AS SHOWN

CURVE #11
PC FIELD STA. 11+064
PT FIELD STA. 11+204
△ 4°00' LT
T=70m
R=2005m
SUPERELEVATION=0.021
RUNOFF=14m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 53 FOR BANKING DETAIL





621.81 REMOVAL AND DISPOSAL OF GUIDE POSTS
WAITSFIELD:
STA. 11+023 RT (1 EACH)
STA. 11+161 RT (1 EACH)

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
WAITSFIELD:
STA. 11+026 - 11+158 RT (132m)
STA. 11+456 - 11+466 RT (10m)
STA. 11+458 - 11+467 LT (9m)
STA. 11+492 - 11+502 RT (10m)
STA. 11+493 - 11+505 LT (12m)

525.10 REMOVAL OF EXISTING RAILING
WAITSFIELD:
STA. 11+466 - 11+492 RT (26m)
STA. 11+467 - 11+493 LT (26m)

621.30 BOX BEAM GUARD RAIL (GALV.)
WAITSFIELD:
STA. 11+023.0 - 11+160.2 RT (137.16m)

621.30 BOX BEAM GUARD RAIL (GALV.) (MOD. 3)
WAITSFIELD:
STA. 11+456.14 - 11+501.86 RT (45.72m)
STA. 11+457.14 - 11+502.86 LT (45.72m)

CURVE #12
PC FIELD STA. 11+440
PT FIELD STA. 11+520
△ 17° 30' LT
T=40m
R=260m
SUPERELEVATION=0.079
RUNOFF=57m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 53 FOR BANKING DETAIL

NOT TO SCALE

NOTE:

1. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 8 m BACK FROM VT. ROUTE 100 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
2. REFER TO SHEETS 45 AND 47 FOR DETAILS OF BOX BEAM GUARDRAIL (GALVANIZED) (MOD. 3) ON BRIDGE # 186.

PAVING PROJECT LAYOUT #9 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058109.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 39 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 11+600 - STA. 12+199 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
WAITSFIELD:
STA. 11+600 - STA. 12+199 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

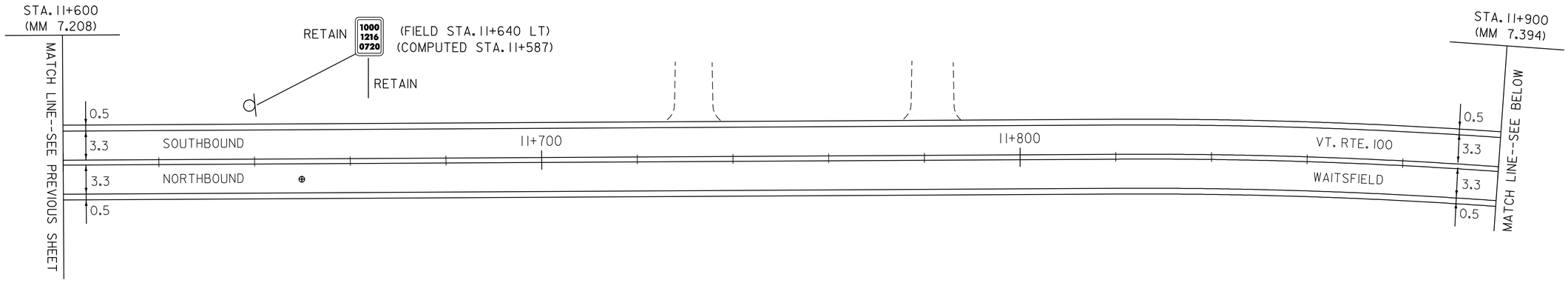
WAITSFIELD:	LT	℄	RT
STA. 11+600 - STA. 12+199	S	-	S

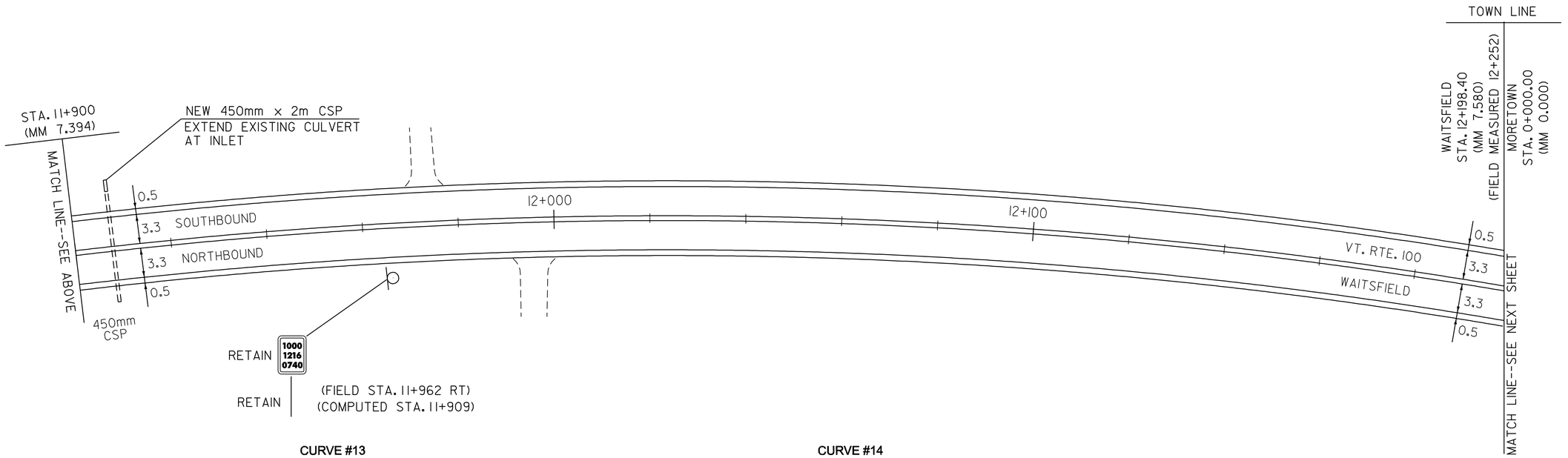
646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

WAITSFIELD:	LT	℄	RT
STA. 11+600 - STA. 12+199	S	-	S

619.17 YIELDING MARKER POSTS
WAITSFIELD:
STA. 11+907 LT & RT (2)

DITCHING LOCATION
WAITSFIELD:
STA. 11+787 - 11+810 LT
STA. 11+907 RT (CLEAN CULV. OUTLET DITCH)





CURVE #13
PC FIELD STA. 11+912
PT FIELD STA. 12+032
△ 6° 30' RT
T=60m
R=1057m
SUPERELEVATION=0.033
RUNOFF=23m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 53 FOR BANKING DETAIL

CURVE #14
PC FIELD STA. 12+050
PT FIELD STA. 12+130
△ 13° 00' RT
T=40m
R=351m
SUPERELEVATION=0.071
RUNOFF=52m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEET 53 FOR BANKING DETAIL

NOT TO SCALE

CORE NO.	LOCATION	DEPTH (mm)
9	11+647 RT	231

PAVING PROJECT LAYOUT #10 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058110.1

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 40 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MORETOWN:
STA. 0+000 - STA. 0+600 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MORETOWN:
STA. 0+000 - STA. 0+600 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MORETOWN:	LT	℄	RT
STA. 0+000 - STA. 0+600	S	-	S

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

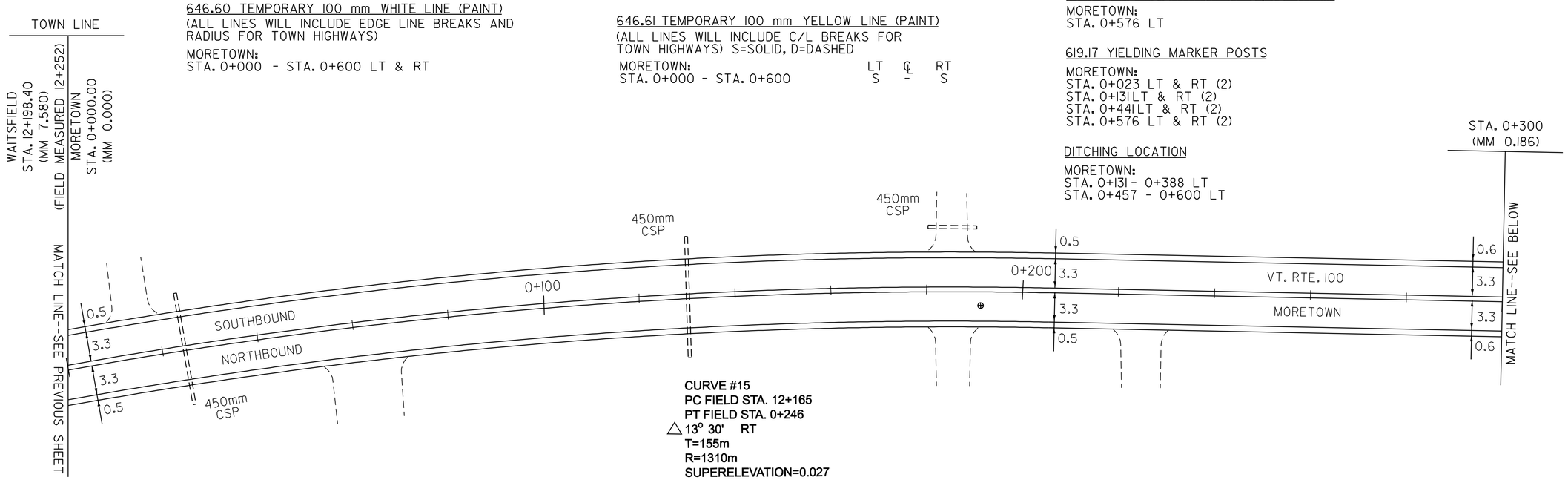
MORETOWN:	LT	℄	RT
STA. 0+000 - STA. 0+600	S	-	S

613.10 STONE FILL, TYPE I
(FOR SHOULDER/SLOPE REPAIR)
MORETOWN:
STA. 0+446 LT (10m^3)

604.412 REHABILITATION OF DI, CB OR MH
MORETOWN:
STA. 0+576 LT

619.17 YIELDING MARKER POSTS
MORETOWN:
STA. 0+023 LT & RT (2)
STA. 0+131 LT & RT (2)
STA. 0+441 LT & RT (2)
STA. 0+576 LT & RT (2)

DITCHING LOCATION
MORETOWN:
STA. 0+131 - 0+388 LT
STA. 0+457 - 0+600 LT



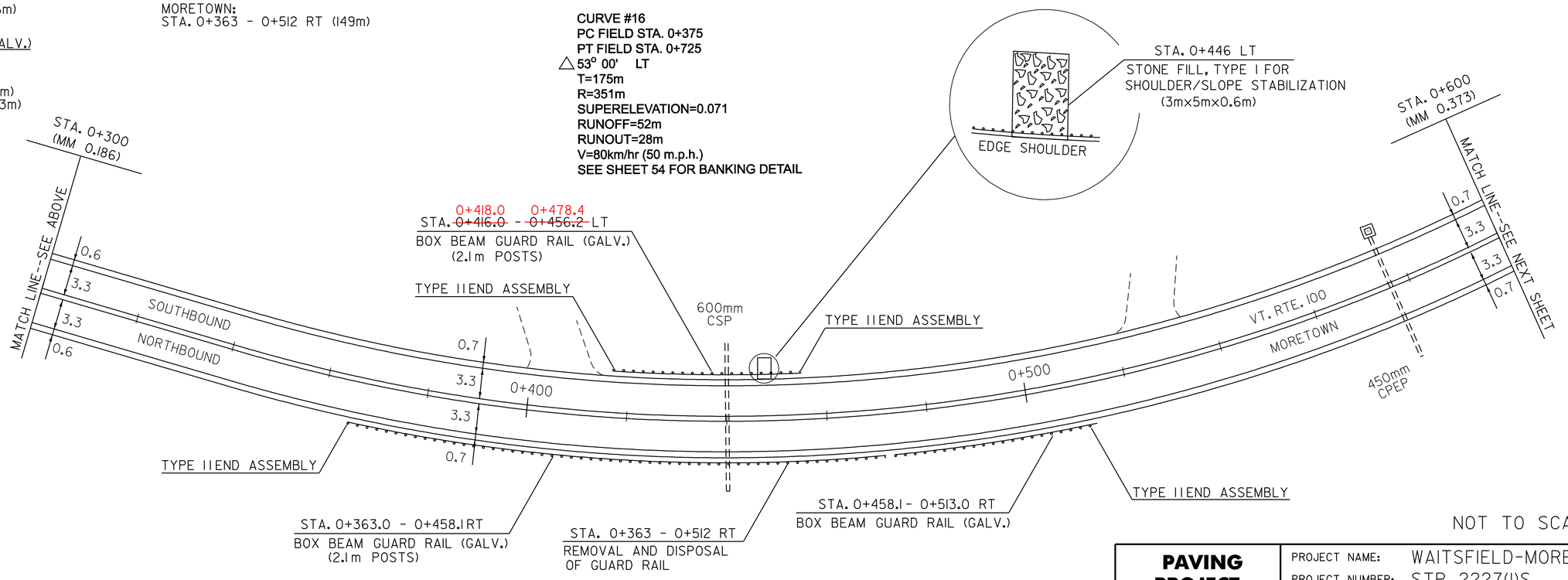
CURVE #15
PC FIELD STA. 12+165
PT FIELD STA. 0+246
△ 13° 30' RT
T=155m
R=1310m
SUPERELEVATION=0.027
RUNOFF=19m
RUNOUT=30m
V=80km/hr (50 m.p.h.)
SEE SHEETS 53 AND 54 FOR BANKING DETAIL

621.30 BOX BEAM GUARD RAIL (GALV.)
MORETOWN:
STA. 0+458.1 - 0+513.0 RT (54.86m)

621.30 BOX BEAM GUARD RAIL (GALV.)
(2.1METER POSTS)
MORETOWN:
STA. 0+363.0 - 0+458.1 RT (95.10m)
STA. 0+416.0 - 0+456.2 LT (40.23m)

621.80 REMOVAL AND DISPOSAL OF GUARD RAIL
MORETOWN:
STA. 0+363 - 0+512 RT (149m)

CURVE #16
PC FIELD STA. 0+375
PT FIELD STA. 0+725
△ 53° 00' LT
T=175m
R=351m
SUPERELEVATION=0.071
RUNOFF=52m
RUNOUT=28m
V=80km/hr (50 m.p.h.)
SEE SHEET 54 FOR BANKING DETAIL



NOT TO SCALE

CORE NO.	LOCATION	DEPTH (mm)
10	0+190 RT	175

PAVING PROJECT LAYOUT #11 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058111.1
PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 41 OF 54

646.40 DURABLE 100 mm WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MORETOWN:
STA. 0+600 - STA. 0+760 LT & RT

646.60 TEMPORARY 100 mm WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
MORETOWN:
STA. 0+600 - STA. 0+760 LT & RT

646.41 DURABLE 100 mm YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MORETOWN:	LT	℄	RT
STA. 0+600 - STA. 0+760	S	-	S
STA. 0+732 DOUBLE SOLID RT, VT ROUTE 100B			

646.61 TEMPORARY 100 mm YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

MORETOWN:	LT	℄	RT
STA. 0+600 - STA. 0+760	S	-	S
STA. 0+732 DOUBLE SOLID RT, VT ROUTE 100B			

646.46 DURABLE 600 mm STOP BAR (THERMOPLASTIC)
MORETOWN:
VT. ROUTE 100 STA. 0+746 LT

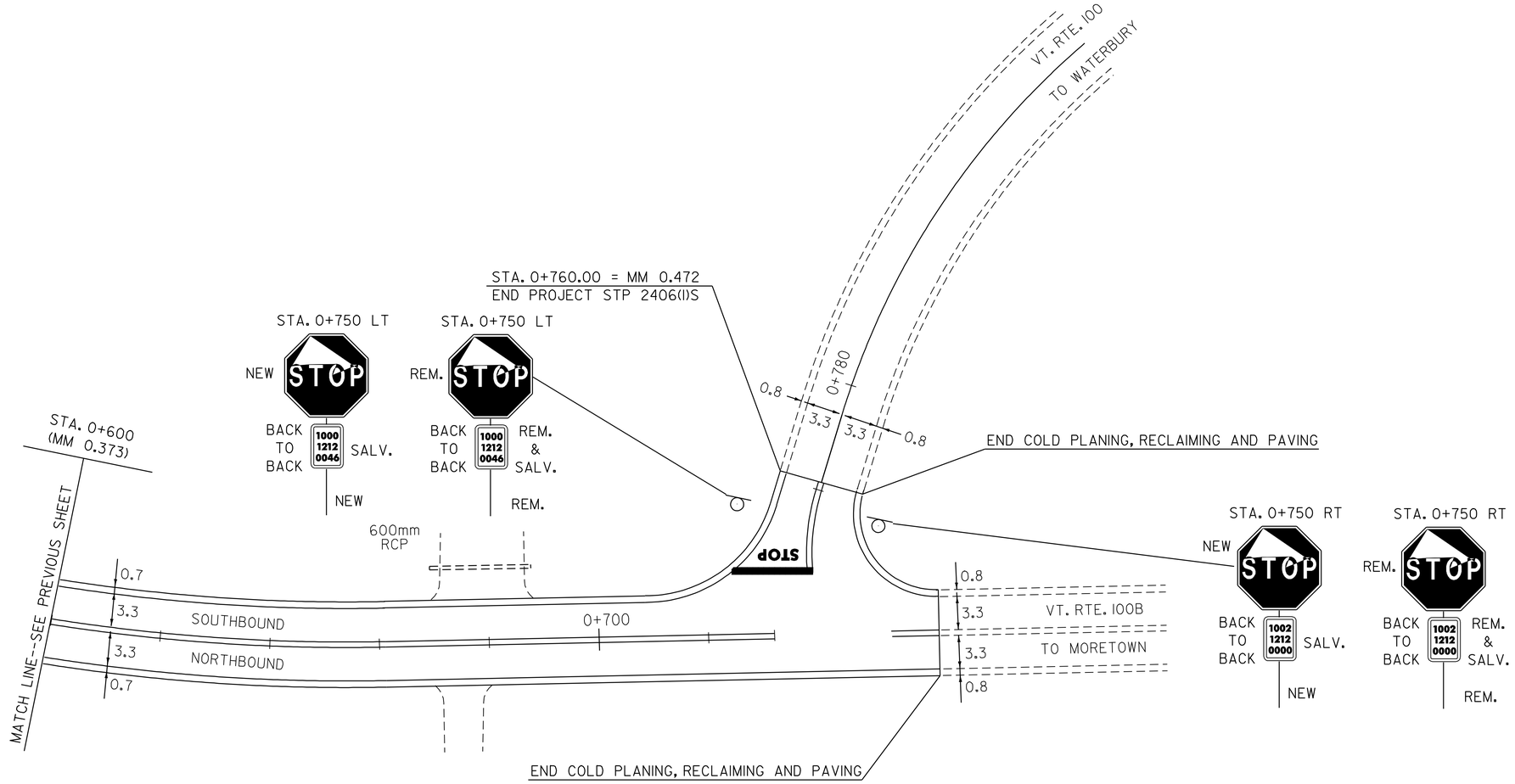
646.66 TEMPORARY 600 mm STOP BAR (PAINT)
MORETOWN:
VT. ROUTE 100 STA. 0+746 LT

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
MORETOWN:
VT. ROUTE 100 STA. 0+746 LT "S,T,0,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
MORETOWN:
VT. ROUTE 100 STA. 0+746 LT "S,T,0,P" (4 EA)

DITCHING LOCATION
MORETOWN:
STA. 0+600 - 0+760 LT

REMOVING SIGNS
4 AS SHOWN



NOT TO SCALE

PAVING PROJECT LAYOUT #12 VT. RTE. 100

PROJECT NAME: WAITSFIELD-MORETOWN
PROJECT NUMBER: STP 2227(I)S

FILE NAME: /pave/00b058/00b058.dgn
PROJECT LEADER: WOOLAVER
DESIGNED BY: J. REDMOND
00b058ll2.i

PLOT DATE: 23-MAY-2008 12:5
DRAWN BY: J. REDMOND
CHECKED BY: J. REDMOND
SHEET 42 OF 54

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"A" MOD.	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	SQUARE STEEL (mm) kg/m ~~44~~ 3.4	~~50~~ 3.9	~~63~~ 5.0	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) kg/m 75 1.9	100 2.5	100 MOD 2.5	FOUNDATION	TUBULAR STEEL Ø (mm) kg/m 75 11.3	89 13.4	100 16.1	125 21.7	W-SHAPE STEEL FTG. SIZE 600 mm	750 mm	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
WAITSFIELD:																																			
7+293 RT		1	300	900	0.27						+			~~X~~		X																	BACK-TO-BACK		E-107
7+299 RT		1	300	900	0.27						1			X 3.66m		X																		E-107
~~7+300 LT~~	~~[sign]~~	~~1~~	~~300~~	~~900~~	~~0.27~~						~~+~~			~~X~~		X																	ELIMINATED, NEW GUARD RAIL SECTION		~~E-107~~
~~7+306 LT~~		~~1~~	~~300~~	~~900~~	~~0.27~~						~~+~~			~~X~~		X																			E-107
7+549 LT	STOP 1000 1216 0471	1	750	750	0.56		1				1			4.27m X		X																	BACK-TO-BACK		E-143 E-138
7+557 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.27m X		X																			E-141
7+937 LT	STOP	1	750	750	0.56						1			4.27m X		X																			E-143
7+951 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.27m X		X																			E-141
7+948 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.27m X		X																			E-141
7+962 RT	STOP 1000 1216 0493	1	750	750	0.56		1				1			4.27m X		X																	BACK-TO-BACK		E-143 E-138
8+446 LT	STOP 1000 1216 0524	1	750	750	0.56		1				1			4.27m X		X																	BACK-TO-BACK		E-143 E-138
8+457 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.27m X		X																			E-141
9+216 LT	STOP 1000 1216 0572	1	750	750	0.56		1				1			4.27m X		X																	BACK-TO-BACK		E-143 E-138
9+229 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.27m X		X																			E-141
10+327 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			4.27m X		X																			E-141
10+332 RT	STOP	1	750	750	0.56						1			4.27m X		X																			E-143
											13	m	m	m ~~73.6~~	m	m ~~73.6~~	m		EA	kg	kg	kg		kg	kg	kg	kg							
TOTALS			m^2 ~~6.6~~ 7.14	m^2	EA 4	m^2						m ~~73.6~~ 54.9m			m ~~73.6~~					kg			EA	kg				EA	EA	kg				

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

PROJECT: WAITSFIELD - MORETOWN
PROJECT NO.: STP 2227(I)S
DESIGN FILE NAME: pave/00b058/00b058.dgn
IPARM FILE NAME: 00b058tsl.i
SURVEYED BY: LFW
SQUAD LEADER: LFW
PLOT DATE: 23-MAY-2008 12:5
SURVEY DATE: 7/05
DRAWN BY: LFW
SHEET: 43 OF 54

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

VAOT Metric

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (mm)	HEIGHT (mm)	NEW & SALVAGED SIGNS "A"	"A" MOD.	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL kg/m 1.7	3.0	4.5	~~SQUARE STEEL (mm) 44 50 63 kg/m 3.4 3.9 5.0~~	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (mm) 75 100 100 MOD kg/m 1.9 2.5 2.5	FOUNDATION	TUBULAR STEEL Ø (mm) 75 89 100 125 kg/m 11.3 13.4 16.1 21.7	W-SHAPE STEEL FTG. SIZE 600 mm 750 mm WEIGHT POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
WAITSFIELD:																									
10+448 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		X										E-141
10+469 RT	STOP 1000 1216 0649	1	750	750	0.56		1				1			X 4.27m		X									BACK-TO-BACK		E-143 E-138
10+765 LT	STOP 1000 1216 0667	1	750	750	0.56		1				1			X 4.27m		X									BACK-TO-BACK		E-143 E-138
10+783 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		X											E-141
11+308 LT	STOP	1	750	750	0.56						1			X 4.27m		X											E-143
11+321 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45						1			X 4.27m		X											E-141
MORETOWN: 0+750 LT	STOP 1000 1212 0046	1	750	750	0.56		1				1			X 4.27m		X									BACK-TO-BACK		E-143 E-138
0+750 RT	STOP 1002 1216 0000	1	750	750	0.56		1				1			X 4.27m		X									BACK-TO-BACK		E-143 E-138
	SHEET 44 SUBTOTALS				4.15		4							34.16 ~~36.8~~		36.8											
	SHEET 43 SUBTOTALS				~~7.14~~ 6.6		4							54.9 ~~73.6~~		73.6											
	ROUNDING				~~0.71~~		--							~~4.6~~		4.6											
												m	m	m	m	m	m		EA	kg	kg	kg		kg	kg	kg	kg					
PROJECT TOTALS					m^2 ~~12.00~~ 10.75	m^2	EA 8	m^2				m ~~115.0~~ 89.06m			m ~~115.0~~					kg	EA	kg					EA	EA	kg

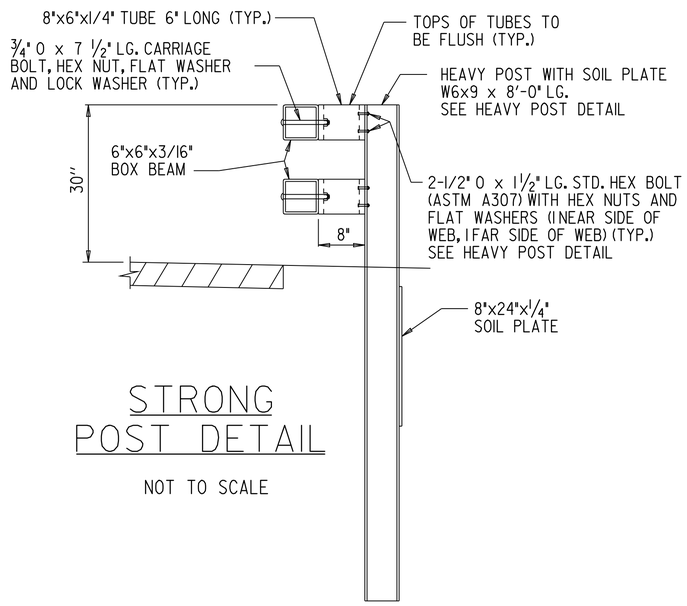
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT: WAITSFIELD - MORETOWN
PROJECT NO.: STP 2227(I)S

DESIGN FILE NAME: pave/00b058/00b058.dgn
IPARM FILE NAME: 00b058ts2.i
SURVEYED BY: LFW
SQUAD LEADER: LFW
PLOT DATE: 23-MAY-2008 12:5
SURVEY DATE: 7/05
DRAWN BY: LFW
SHEET: 44 OF 54

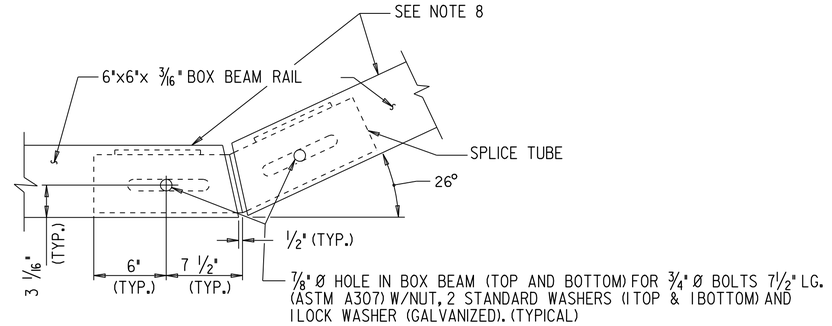
BRIDGE QUANTITY SUMMARY

FIELD STATION	FIELD STATION		BRIDGE NO.	525.10 REMOVAL OF EXIST. RAILING	621.30 BOX BEAM GUARDRAIL (GALV.) (MOD. 3)	REMARKS
				METERS	FEET (METERS)	
					89-5 27.25M	
7+894.14	7+920.87	LT	181	7	~~87'-8''~~ (26.73M)	SEE SHEET 46 FOR DETAILS
					89-5 27.25M	
7+894.14	7+920.87	RT	181	7	~~87'-8''~~ (26.73M)	SEE SHEET 46 FOR DETAILS
					79-4 24.18M	
9+335.00	9+359.00	LT	185	-	~~78'-8''~~ ~~(23.98M)~~	SEE SHEET 48 FOR DETAILS
11+456.14	11+501.86	RT	186	26	150'-0'' (45.72M)	SEE SHEET 47 FOR DETAILS
11+457.14	11+502.86	LT	186	26	150'-0'' (45.72M)	SEE SHEET 47 FOR DETAILS
					558'-2" 170.13	
	SUBTOTAL			66	~~554'-0''~~ ~~(168.88M)~~	
	ROUNDING			4	~~3'-8''~~ ~~(1.12M)~~	
					558'-2" 170.13	
	TOTALS			70	~~557'-8''~~ ~~(170.00M)~~	



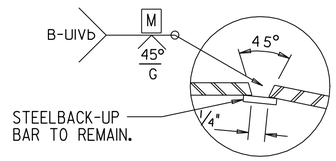
STRONG POST DETAIL

NOT TO SCALE



SPLICE DETAIL AT TURN BACK IN LOWER TRANSITION GUARD RAIL

NOT TO SCALE

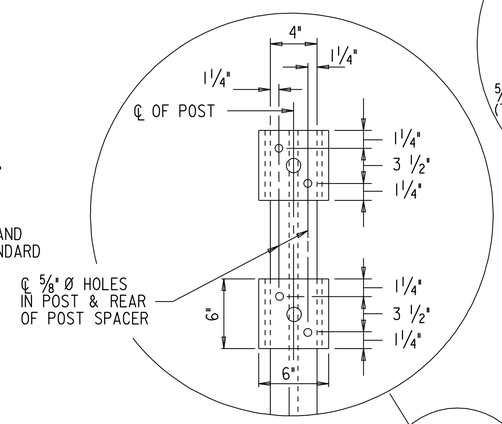


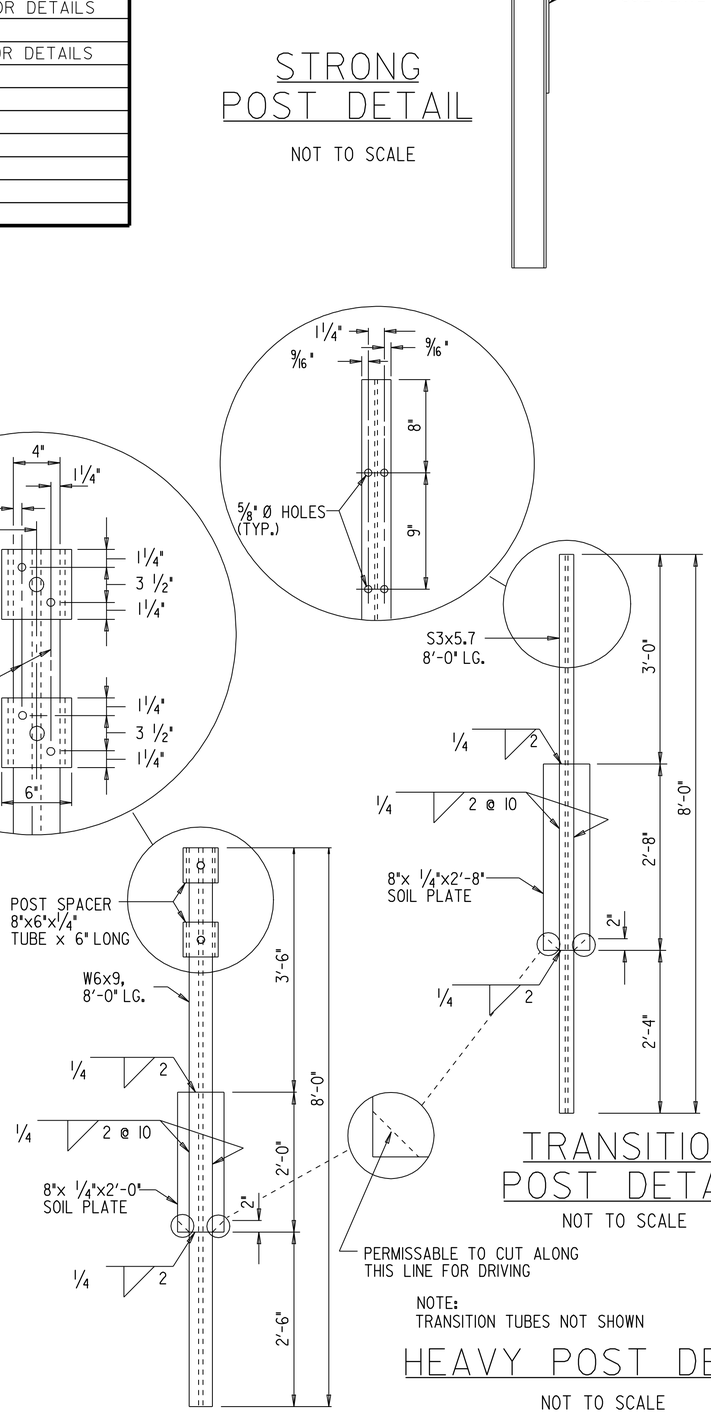
WELD DETAIL FOR SPLICE TUBE

NOT TO SCALE

NOTES:

1. ALL BOX BEAM DETAIL DIMENSIONS ARE IN ENGLISH UNITS. THE FINAL QUANTITIES HAVE BEEN CONVERTED TO METRIC FOR PAYMENT.
2. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL CONFORM TO THE CURRENT SPECIFICATION FOR BOX BEAM GUARD RAIL. REFER TO STANDARD G-IBM FOR DETAILS. ALL BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL BE GALVANIZED.
3. FOR DETAILS OF STANDARD POST, EXTRA LONG POST, RAIL ELEMENT, RAIL SUPPORT ANGLE, SPLICE CONNECTIONS, END COVER PLATE, TYPE I AND TYPE II END ASSEMBLIES AND DELINEATION DEVICE, SEE THE VAOT STANDARD SHEET G-IBM, "BOX BEAM GUARD RAIL."
4. IN LOCATIONS OF STANDARD BOX BEAM PLACEMENT (SUCH AS RAIL CONTINUING BEYOND THE END OF RUB RAIL), EXTRA LONG POSTS SHALL BE USED IF THE TOP OF EMBANKMENT IS LESS THAN ONE METER (3') BEHIND THE FACE OF RAIL. REFER TO STANDARD G-IBM FOR DETAILS OF EXTRA LONG POSTS.
5. THE BOX BEAM RAIL AND LOWER RUB RAIL SHALL BE SHOP BENT TO THE INDICATED RADIUS AT ALL NECESSARY LOCATIONS DETAILED IN THESE PLANS. THE RADIUS SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO FABRICATION.
6. THE COST OF ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO COMPLETE THE WORK SHOWN FOR THESE DETAILS SHALL BE INCIDENTAL TO THE ITEM 621.30, BOX BEAM GUARD RAIL (MOD. 3). THE LENGTH OF THE LOWER BOX BEAM GUARD RAIL (RUB RAIL), INCLUDING ALL TURN BACK MATERIALS, SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCIDENTAL TO ITEM 621.30, BOX BEAM GUARD RAIL (MOD. 3).
7. BOX BEAM BRIDGE RAIL HEIGHT (30") SHALL TRANSITION TO THE NORMAL ROADWAY HEIGHT OF 27" AT THE POINT WHERE THE LOWER RUB RAIL TURNS BACK UNDER THE UPPER BOX BEAM RAIL.
8. PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE INSIDE WALLS OF THE SPLICE AREA.
9. PROTRUSIONS CAUSED BY WELDING ARE NOT PERMITTED ON THE OUTSIDE WALLS OF THE SPLICE TUBE OR THE OUTSIDE SURFACES OF THE FILL PLATE.
10. THE COST OF PROVIDING AND INSTALLING NEW BRIDGE POSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 621.30, BOX BEAM GUARD RAIL (MOD. 3).





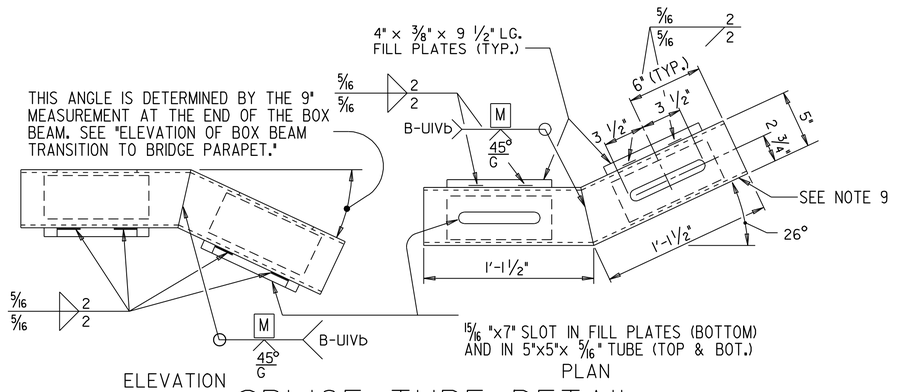
TRANSITION POST DETAIL

NOT TO SCALE

NOTE:
TRANSITION TUBES NOT SHOWN

HEAVY POST DETAIL

NOT TO SCALE

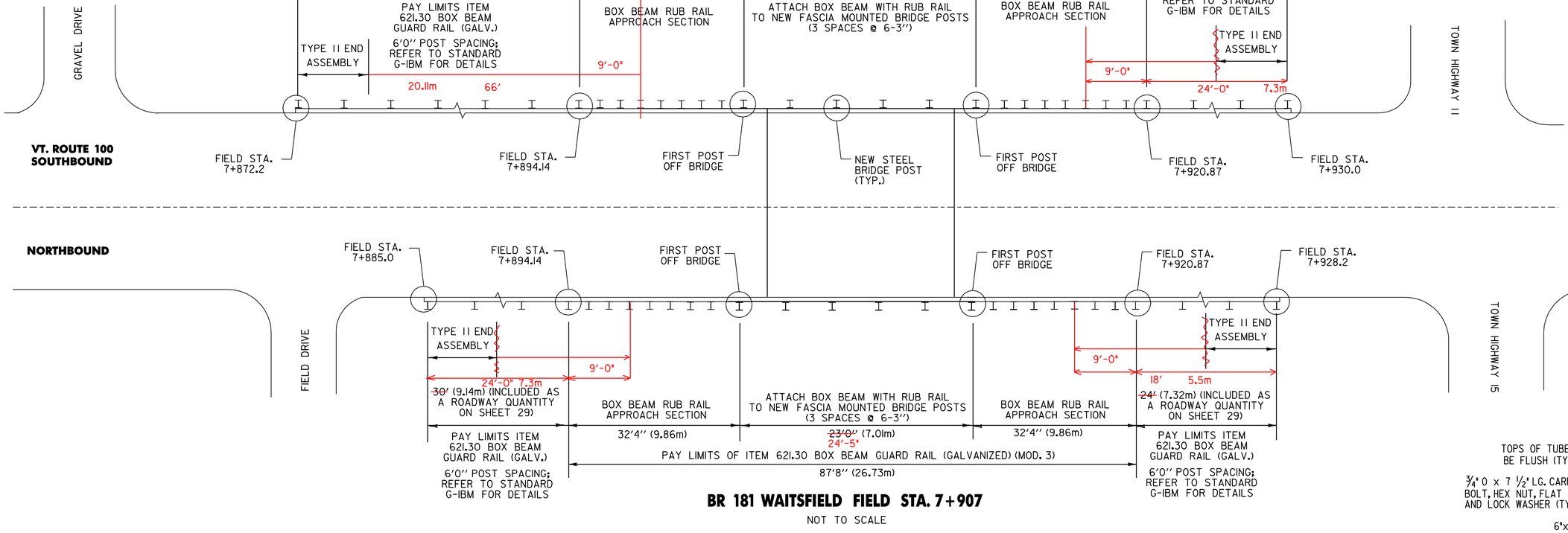


SPLICE TUBE DETAIL FOR TURN BACK

NOT TO SCALE

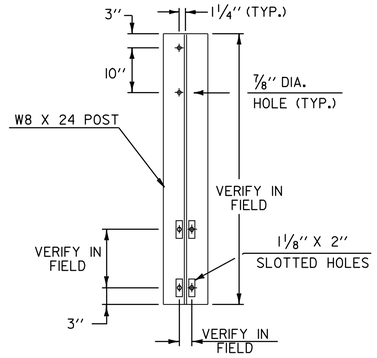
BRIDGE SUMMARY/ DETAIL SHEET

PROJECT: WAITSFIELD - MORETOWN	PROJECT NO.: STP 2227(I)S
DESIGN FILE NAME: pave/00b058/00b058.dgn	
IPARM FILE NAME: 00b058brgl.i	PLOT DATE: 23-MAY-2008
SURVEYED BY: LEW	SURVEY DATE: 7/05
SQUAD LEADER: LEW	DRAWN BY: T/05
	SHEET: 45 OF 54



BR 181 WAITSFIELD FIELD STA. 7+907

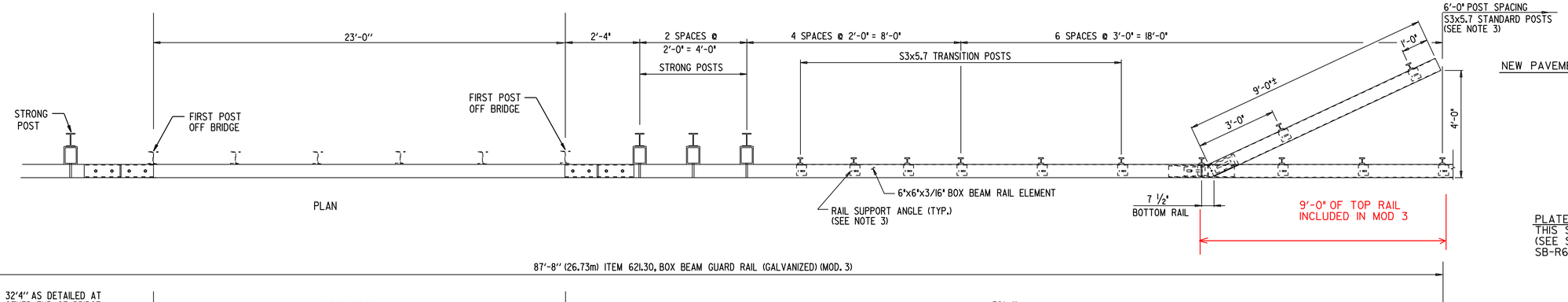
NOT TO SCALE



SECTION A-A

BR 181 BRIDGE POST DETAIL

NOT TO SCALE



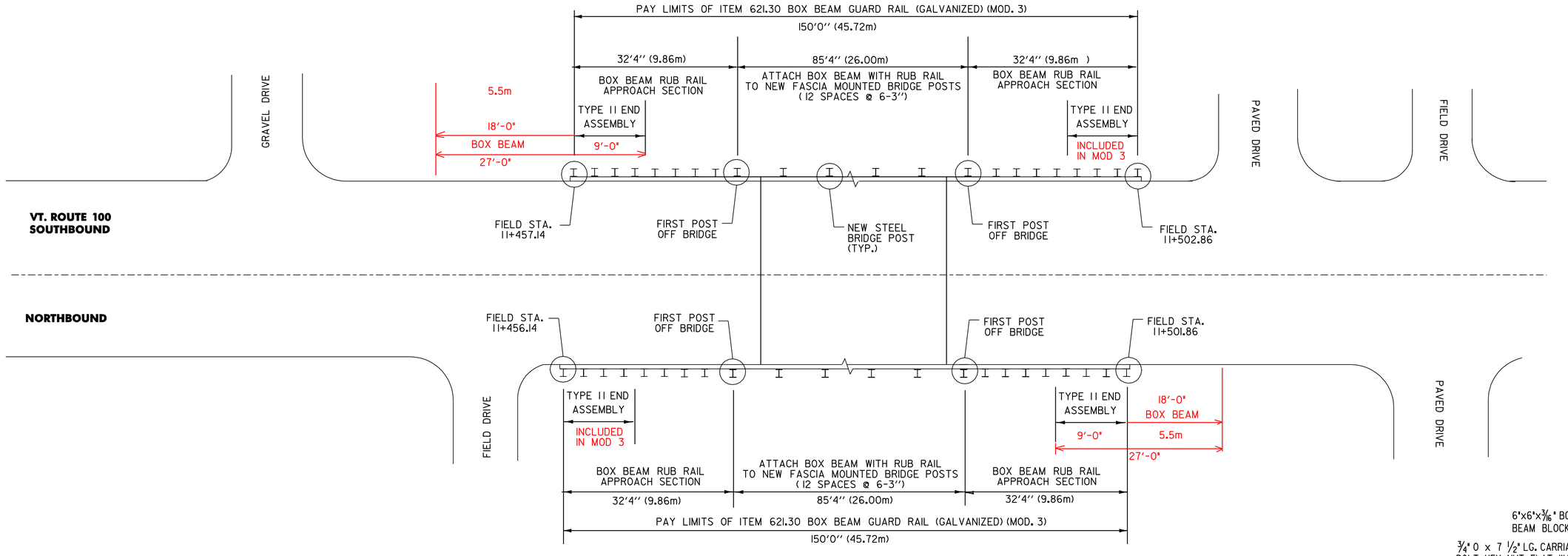
BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.
3. SEE STANDARD SHEET SB-R6-82M FOR ADDITIONAL POST DETAILS.

NOTE: REFER TO SHEET 45 FOR THE GENERAL NOTES, STRONG POST DETAILS, TRANSITION POST DETAILS, SPLICE DETAILS AND WELDING DETAILS ASSOCIATED WITH THE BOX BEAM GUARD RAIL (GALVANIZED) (MOD. 3) DETAILED ON THIS SHEET.

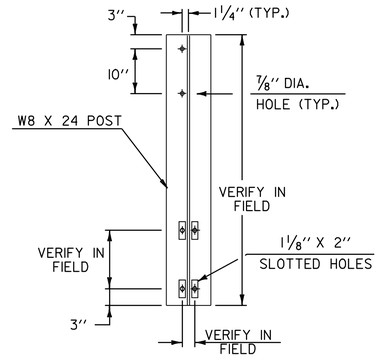
BRIDGE #181 DETAIL SHEET

PROJECT : WAITSFIELD - MORETOWN	PROJECT NO. : STP 2227(1) S
DESIGN FILE NAME: pave/00b058/00b058.dgn	
IPARM FILE NAME: 00b058brg2.i	PLOT DATE: 23-MAY-2008
SURVEYED BY: LFW	SURVEY DATE: 7/05
SQUAD LEADER: LFW	DRAWN BY: 7/05
	SHEET: 46 OF 54



BR 186 WAITSFIELD FIELD STA. 11+479

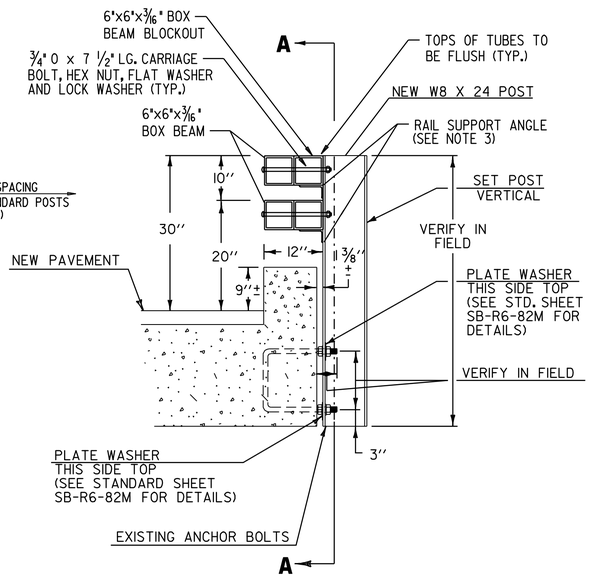
NOT TO SCALE



SECTION A-A

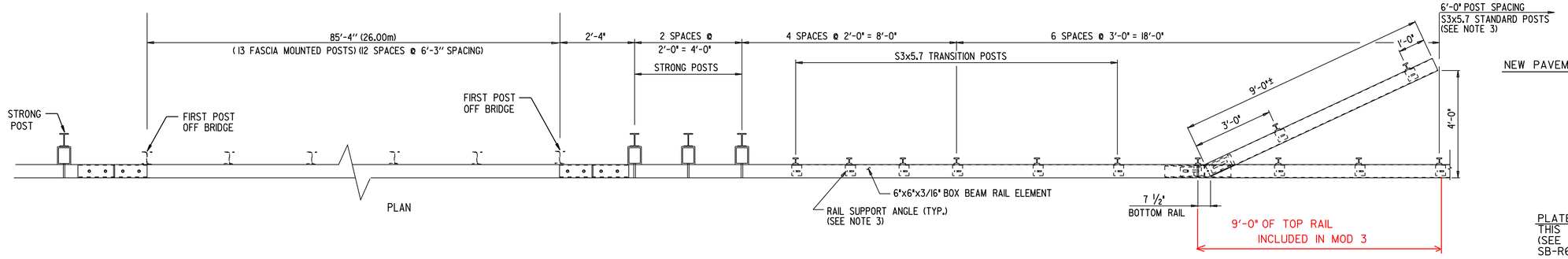
BR 186 BRIDGE POST DETAIL

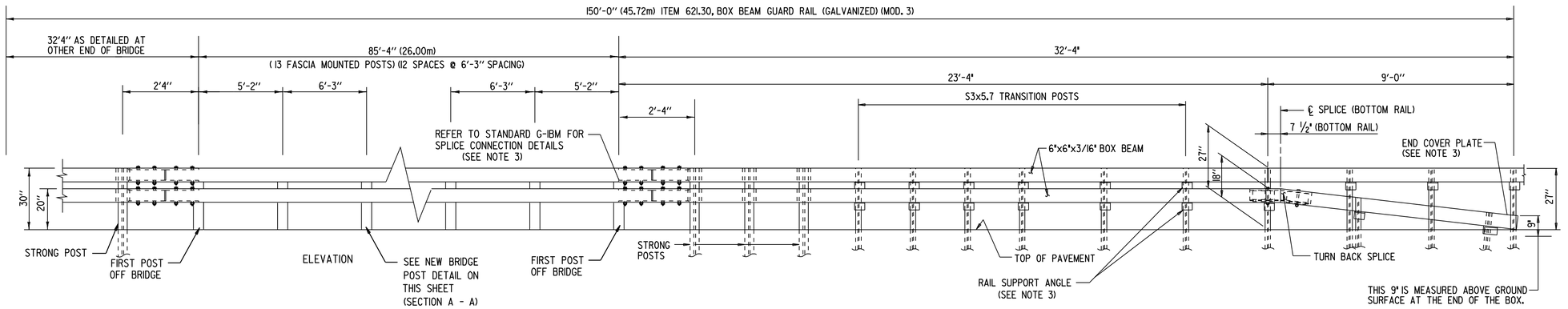
NOT TO SCALE



BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.
3. SEE STANDARD SHEET SB-R6-82M FOR ADDITIONAL POST DETAILS.

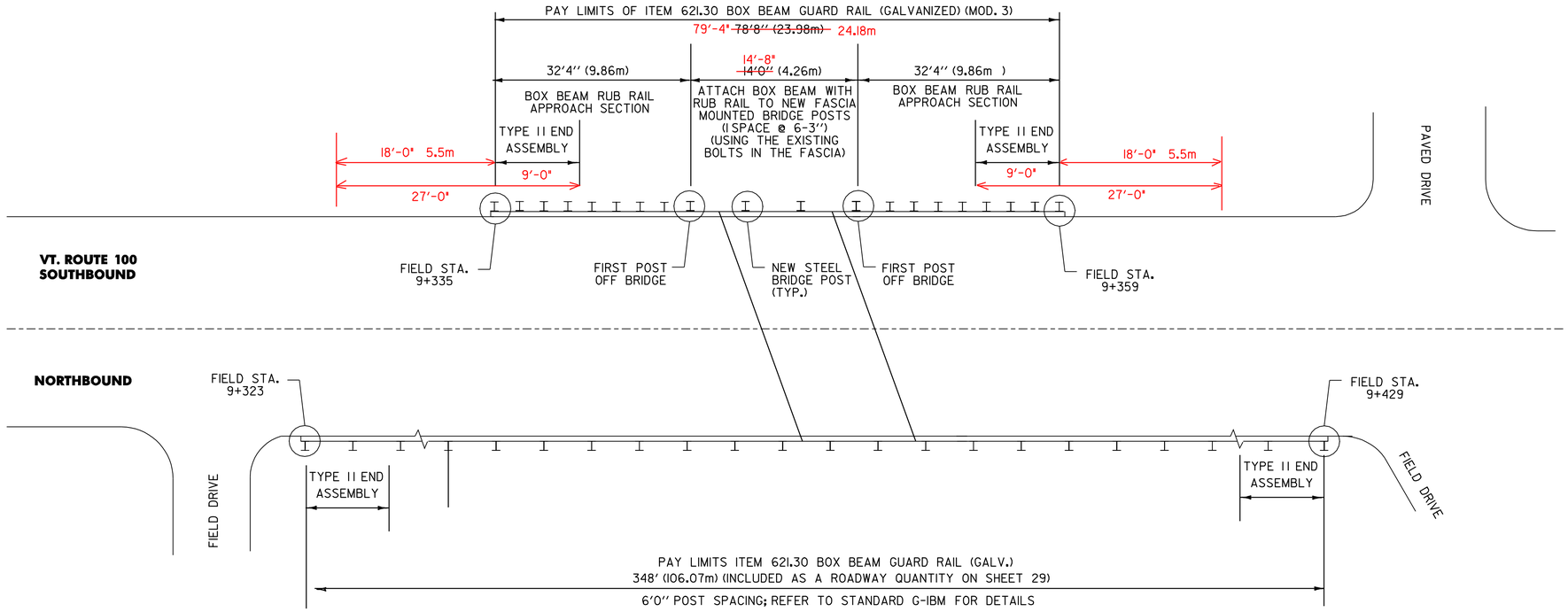




NOTE: REFER TO SHEET 45 FOR THE GENERAL NOTES, STRONG POST DETAILS, TRANSITION POST DETAILS, SPLICE DETAILS AND WELDING DETAILS ASSOCIATED WITH THE BOX BEAM GUARD RAIL (GALVANIZED) (MOD. 3) DETAILED ON THIS SHEET.

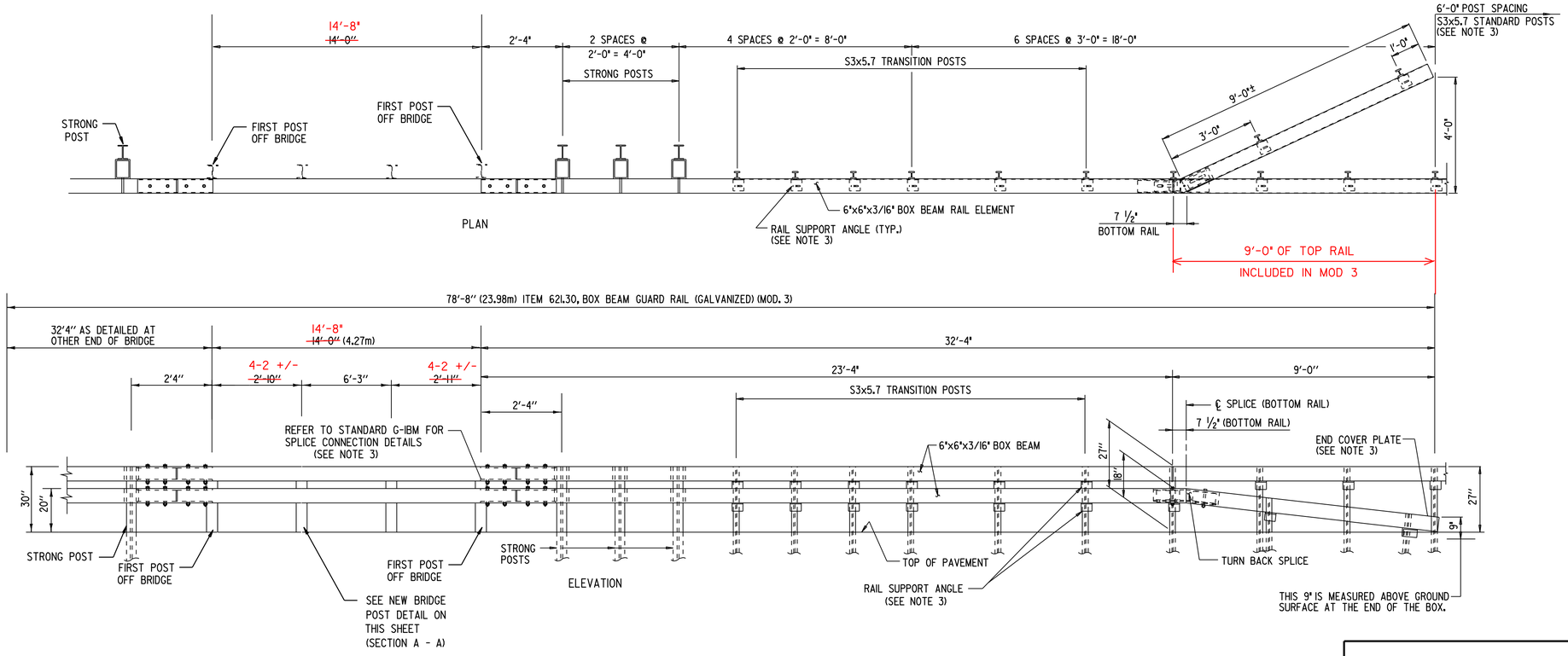
BRIDGE #186 DETAIL SHEET

PROJECT : WAITSFIELD - MORETOWN	PROJECT NO.: STP 2227(1) S
DESIGN FILE NAME: pave/00b058/00b058.dgn	
IPARM FILE NAME: 00b058brg3.i	PLOT DATE: 23-MAY-2008
SURVEYED BY: LFW	SURVEY DATE: 7/05
SQUAD LEADER: LFW	DRAWN BY: 7/05
	SHEET: 47 OF 54

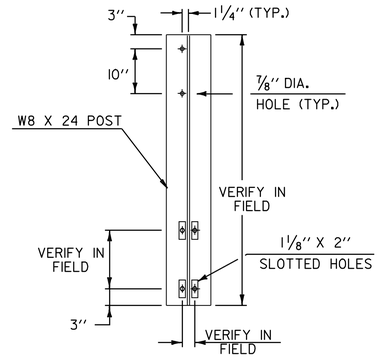


BR 185 WAITSFIELD FIELD STA. 9+353

NOT TO SCALE



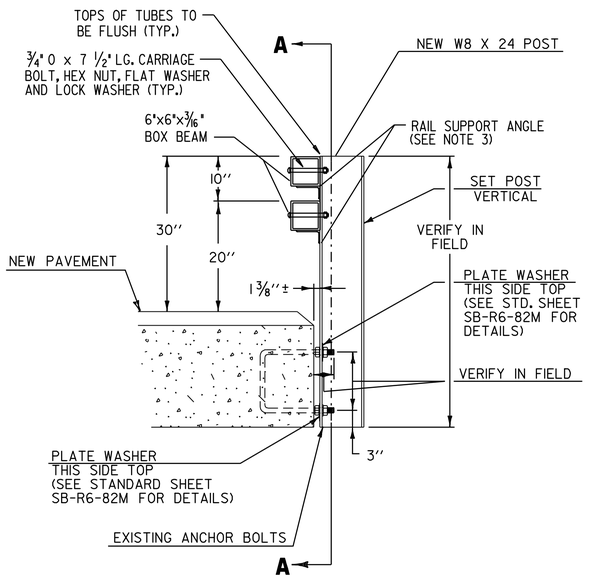
NOTE: REFER TO SHEET 45 FOR THE GENERAL NOTES, STRONG POST DETAILS, TRANSITION POST DETAILS, SPLICE DETAILS AND WELDING DETAILS ASSOCIATED WITH THE BOX BEAM GUARD RAIL (GALVANIZED) (MOD. 3) DETAILED ON THIS SHEET.



SECTION A-A

BR 185 BRIDGE POST DETAIL

NOT TO SCALE

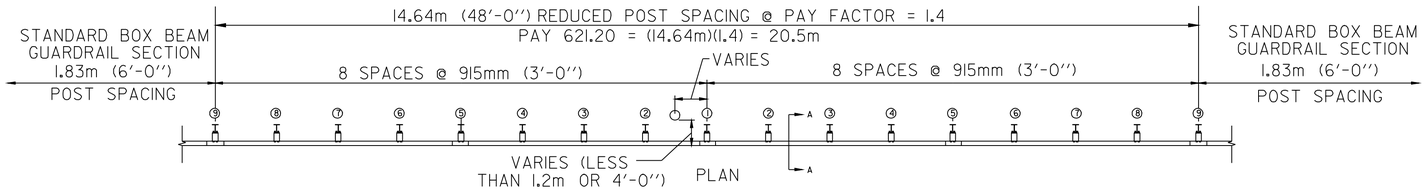


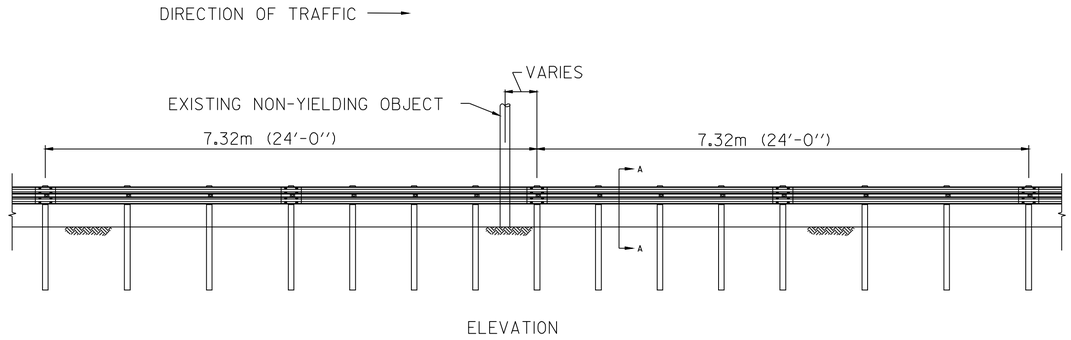
BRIDGE POST DETAIL NOTES

1. LOCATION OF EXISTING ANCHOR BOLTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING BRIDGE POSTS.
2. POSTS SHALL BE SHOP CUT AND DRILLED PRIOR TO GALVANIZING.
3. SEE STANDARD SHEET SB-R6-82M FOR ADDITIONAL POST DETAILS.

BRIDGE #185 DETAIL SHEET

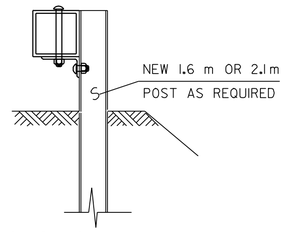
PROJECT : WAITSFIELD - MORETOWN	PROJECT NO.: STP 2227(I) S
DESIGN FILE NAME: pave/00b058/00b058.dgn	
IPARM FILE NAME: 00b058brg4.i	PLOT DATE: 23-MAY-2008
SURVEYED BY: LFW	SURVEY DATE: 7/05
SQUAD LEADER: LFW	DRAWN BY: 7/05
	SHEET: 48 OF 54





NON-YIELDING OBJECT APPROACH DETAIL

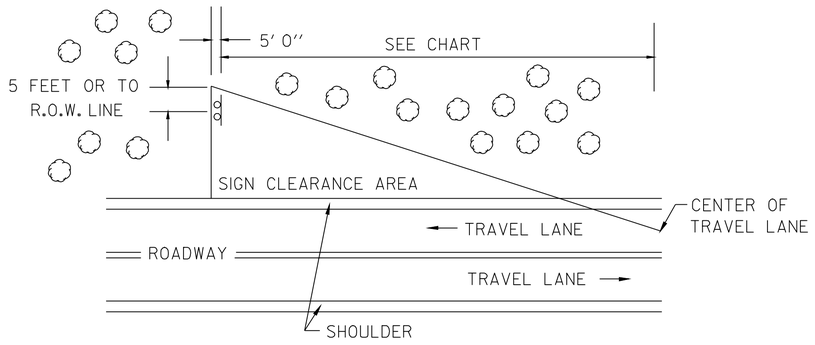
WAITSFIELD
FIELD STA. 9+617 RT
NOT TO SCALE



SECTION A-A
NOT TO SCALE

NOTES

1. SEE STANDARD G-IBM FOR BOX BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.30 BOX BEAM GUARDRAIL (GALV.) OR 621.30 BOX BEAM GUARDRAIL (GALV.)(2.1m POSTS) AT THE PAY FACTOR INDICATED IN THIS DETAIL.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.



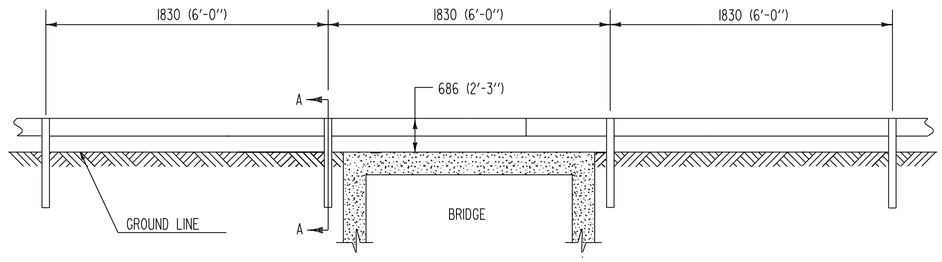
THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL. PAYMENT WILL BE FOR THINNING AND TRIMMING (FOR SIGNS) ITEM 201.31, AND PAID FOR PER EACH. (NO CHEMICALS, POISONS, OR DEFOLIANTS ALLOWED).

MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE	
	(meters)	(feet)
30 OR LESS	90	300
35	105	350
40	120	400
45	135	450
50	150	500
55	165	550

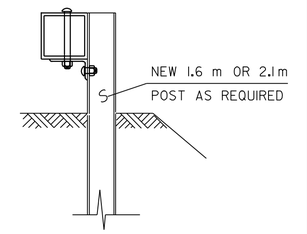
CLEARING LIMITS FOR SIGNS ON CONVENTIONAL ROADS

NOT TO SCALE



DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS AND BRIDGES

WAITSFIELD BRIDGE #180 - FIELD STA 7+646
WAITSFIELD BRIDGE #184 - FIELD STA 8+735
NOT TO SCALE



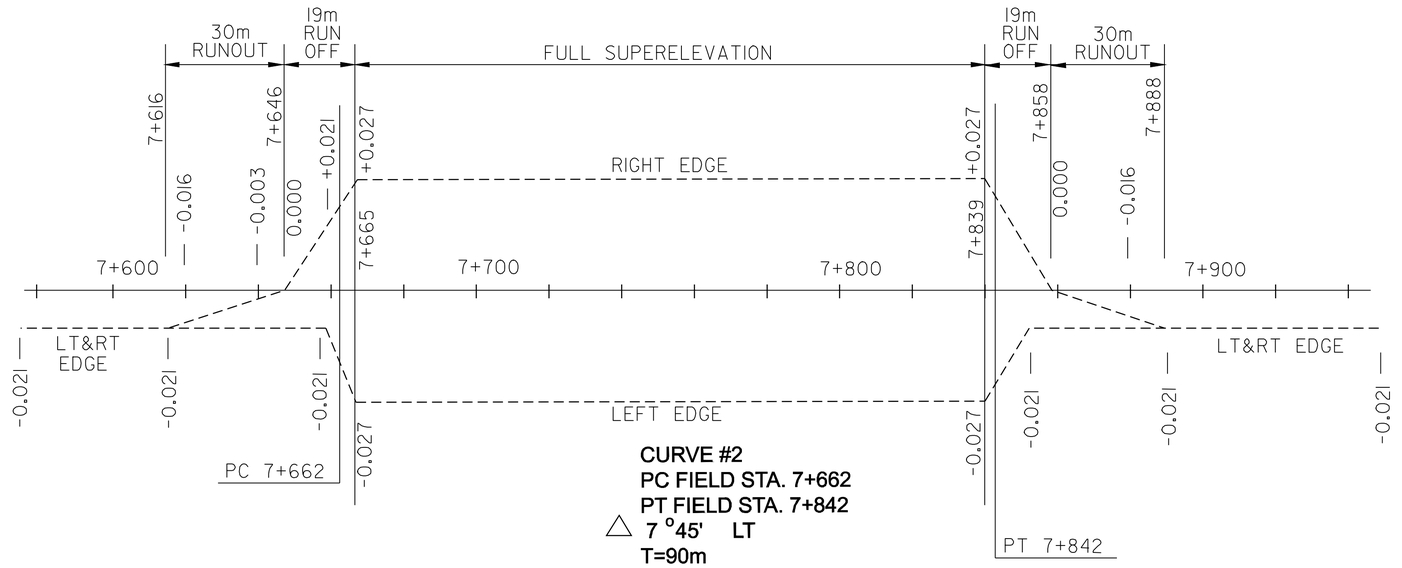
SECTION A-A
NOT TO SCALE

NOTES

1. SEE STANDARD G-IBM FOR BOX BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.30 BOX BEAM GUARDRAIL (GALV.) OR BOX BEAM GUARDRAIL (GALV.) (2.1m POSTS) AT A PAY FACTOR OF 1.0. REFER TO LAYOUT SHEETS FOR DETAILS.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.

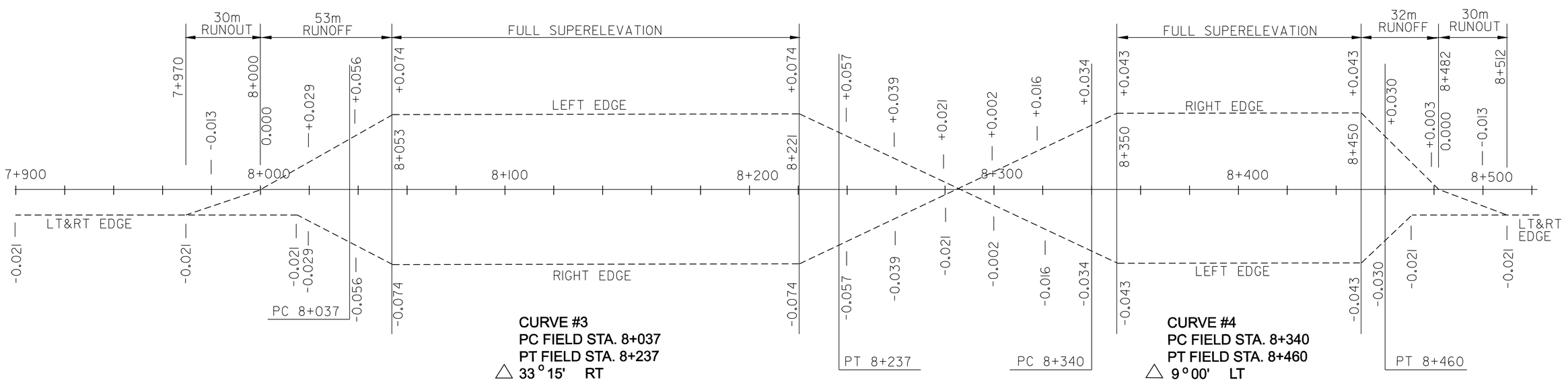
MISCELLANEOUS DETAIL SHEET
(BOX BEAM SPAN AT SMALL BRIDGE DETAIL)
(BOX BEAM DETAIL AT NON-YIELDING OBJECTS)
(CLEARING LIMITS FOR SIGNS)

DESIGNED BY LFW DATE 7/05
DRAWN BY LFW DATE 7/05
DESIGN FILE NO. /pave/00b058/00b058.dgn
PRF FILE 00b058d+1.1 DATE PLOTTED 23-MAY-2008 12
PROJ. NAME: **WAITSFIELD - MORETOWN**
PROJ. NO.: **STP 2227(1)S**
SHEET **49** OF **54** SHEETS



CURVE #1
PC FIELD STA. 7+135
PT FIELD STA. 7+485
△ 8°30' RT
T=175m
R=2355m
SUPERELEVATION=NC
RUNOFF=N/A
RUNOUT=N/A
V=80km/hr (50 m.p.h.)

CURVE #2
PC FIELD STA. 7+662
PT FIELD STA. 7+842
△ 7°45' LT
T=90m
R=1329m
SUPERELEVATION=0.027
RUNOFF=19m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #3
PC FIELD STA. 8+037
PT FIELD STA. 8+237
△ 33°15' RT
T=100m
R=335m
SUPERELEVATION=0.074
RUNOFF=53m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

CURVE #4
PC FIELD STA. 8+340
PT FIELD STA. 8+460
△ 9°00' LT
T=60m
R=762m
SUPERELEVATION=0.043
RUNOFF=32m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

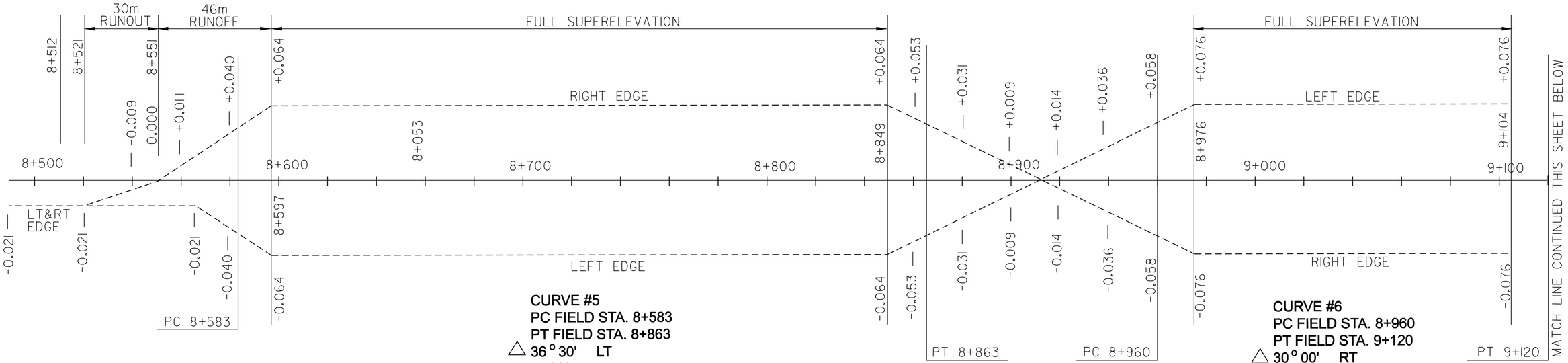
NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

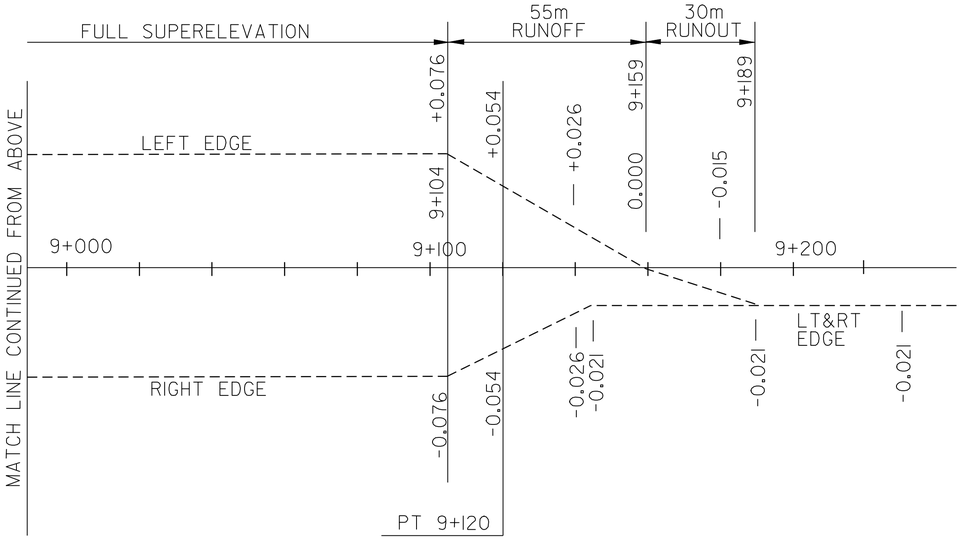
SUPERELEVATION DIAGRAM SHEET #1

DESIGNED BY	LFW DATE 1/05
DRAWN BY	LFW DATE 1/05
DESIGN FILE NO.	pave/00b058/00b058.dgn
PRF FILE	00b058bdl.i DATE PLOTTED 23-MAY-2008
PROJ. NAME	**WAITSFIELD - MORETOWN**
PROJ. NO.	**STP 2227(1)S**
SHEET	**50** OF **54** SHEETS

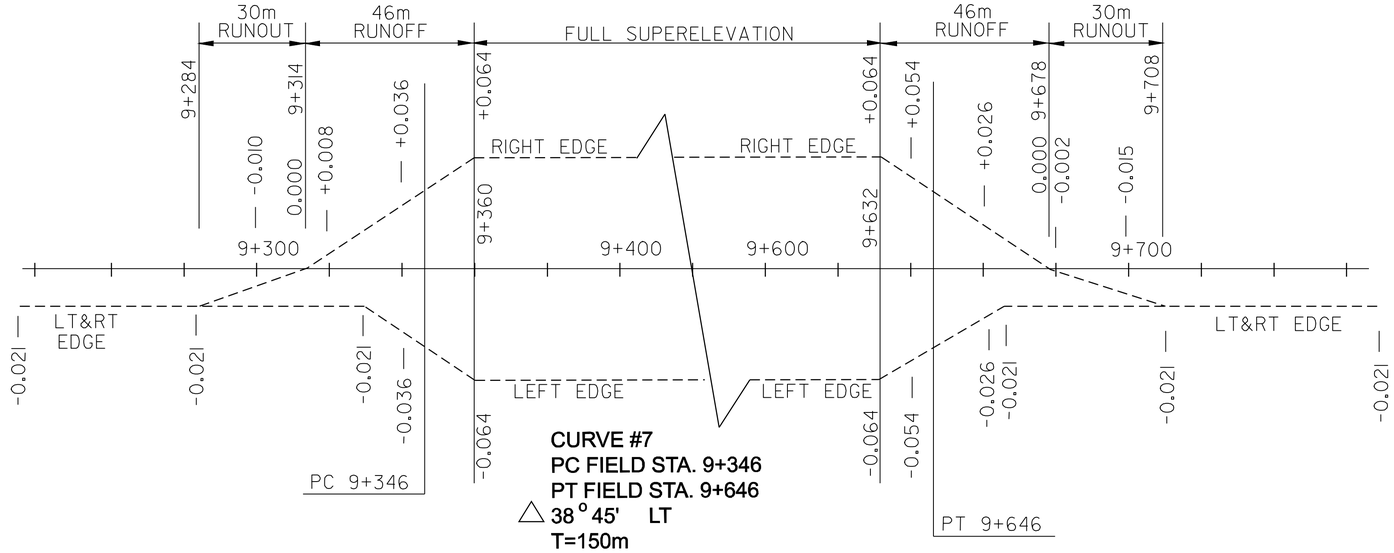


CURVE #5
PC FIELD STA. 8+583
PT FIELD STA. 8+863
△ 36° 30' LT
T=140m
R=425m
SUPERELEVATION=0.064
RUNOFF=46m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

CURVE #6
PC FIELD STA. 8+960
PT FIELD STA. 9+120
△ 30° 00' RT
T=80m
R=299m
SUPERELEVATION=0.076
RUNOFF=55m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #6 CONTINUED
PC FIELD STA. 8+960
PT FIELD STA. 9+120
△ 30° 00' RT
T=80m
R=299m
SUPERELEVATION=0.076
RUNOFF=55m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #7
PC FIELD STA. 9+346
PT FIELD STA. 9+646
△ 38° 45' LT
T=150m
R=427m
SUPERELEVATION=0.064
RUNOFF=46m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

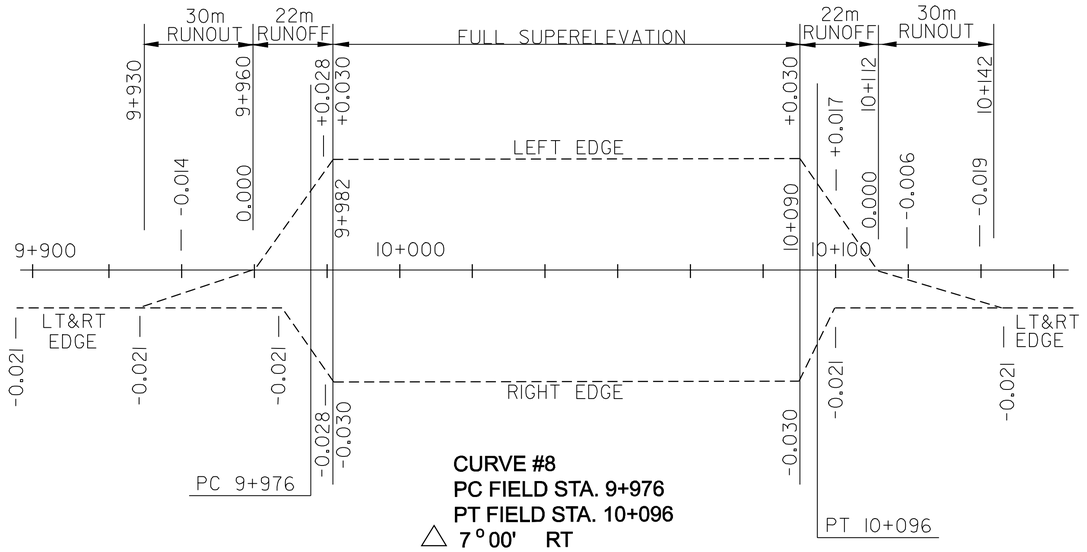
NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

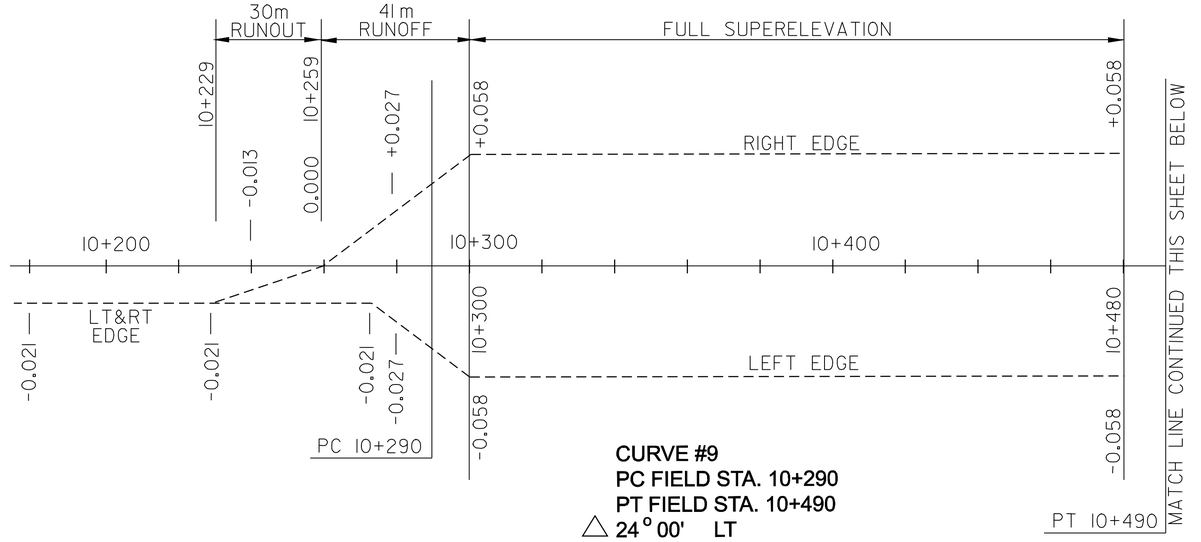
THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION DIAGRAM SHEET #2

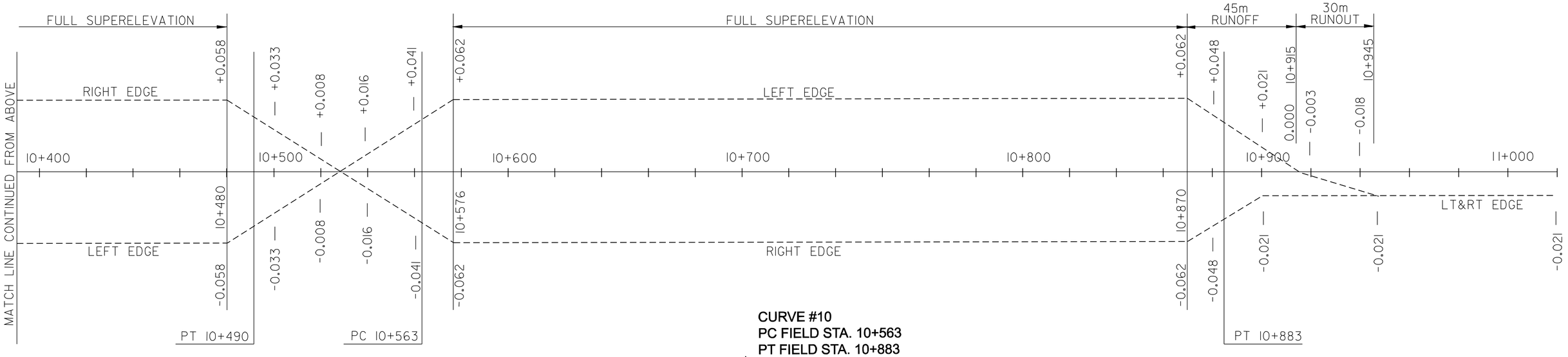
DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/00b058/00b058.dgn		
PRF FILE	00b058bd2.i	DATE PLOTTED	23-MAY-2008
PROJ. NAME	**WAITSFIELD – MORETOWN**		
PROJ. NO.	**STP 2227(1)S**		
SHEET	**51** OF **54** SHEETS		



CURVE #8
PC FIELD STA. 9+976
PT FIELD STA. 10+096
△ 7° 00' RT
T=60m
R=981m
SUPERELEVATION=0.030
RUNOFF=22m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #9
PC FIELD STA. 10+290
PT FIELD STA. 10+490
△ 24° 00' LT
T=100m
R=524m
SUPERELEVATION=0.058
RUNOFF=41m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #9 CONTINUED
PC FIELD STA. 10+290
PT FIELD STA. 10+490
△ 24° 00' LT
T=100m
R=524m
SUPERELEVATION=0.058
RUNOFF=41m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

CURVE #10
PC FIELD STA. 10+563
PT FIELD STA. 10+883
△ 39° 00' RT
T=160m
R=452m
SUPERELEVATION=0.062
RUNOFF=45m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

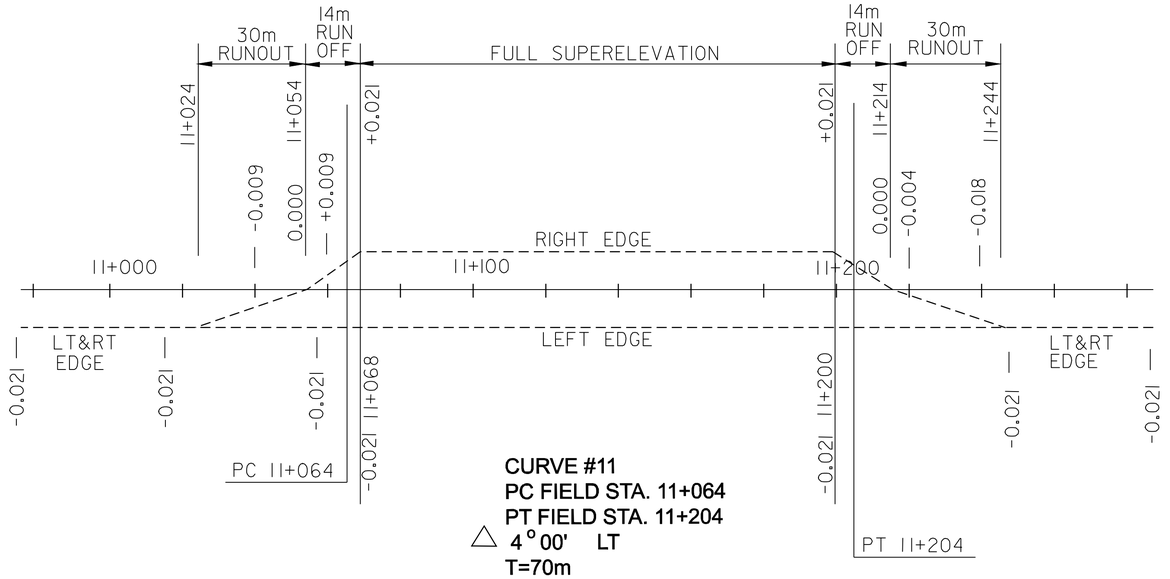
NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

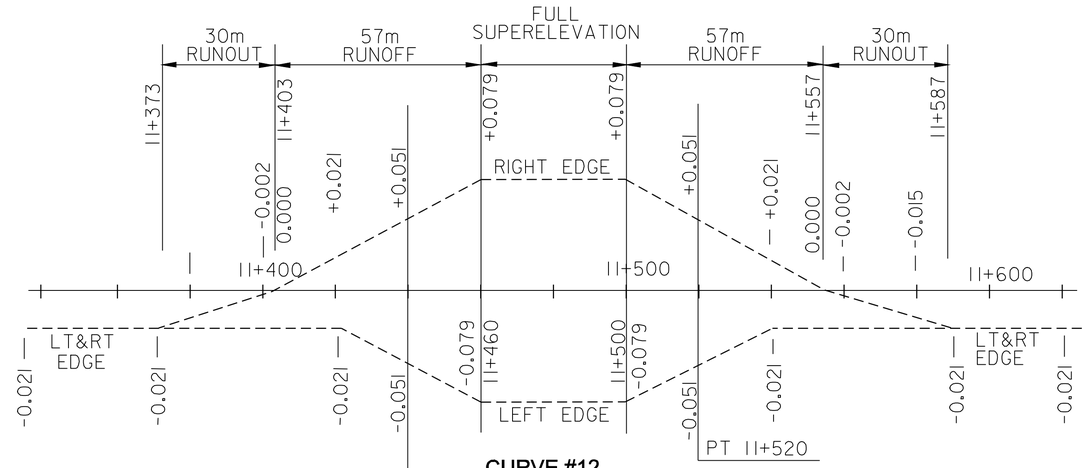
THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION DIAGRAM SHEET #3

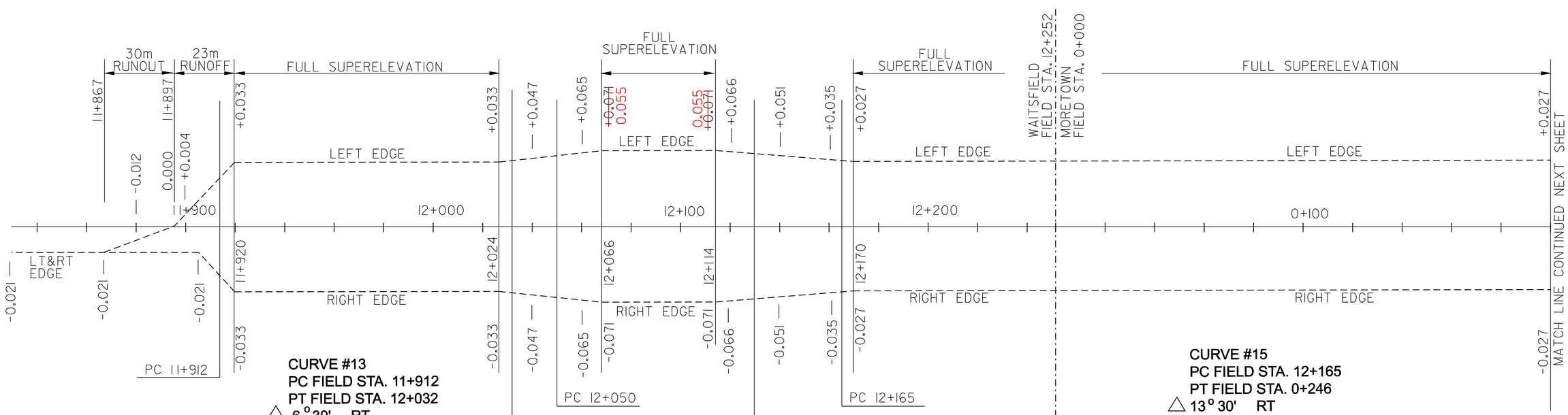
DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/00b058/00b058.dgn		
PRF FILE	00b058bd3.i	DATE PLOTTED	23-MAY-2008
PROJ. NAME	**WAITSFIELD – MORETOWN**		
PROJ. NO.	**STP 2227(1)S**		
SHEET	**52** OF **54** SHEETS		



CURVE #11
PC FIELD STA. 11+064
PT FIELD STA. 11+204
△ 4° 00' LT
T=70m
R=2005m
SUPERELEVATION=0.021
RUNOFF=14m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #12
PC FIELD STA. 11+440
PT FIELD STA. 11+520
△ 17° 30' LT
T=40m
R=260m
SUPERELEVATION=0.079
RUNOFF=57m
RUNOUT=30m
V=80km/hr (50 m.p.h.)



CURVE #13
PC FIELD STA. 11+912
PT FIELD STA. 12+032
△ 6° 30' RT
T=60m
R=1057m
SUPERELEVATION=0.033
RUNOFF=23m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

CURVE #14
PC FIELD STA. 12+050
PT FIELD STA. 12+130
△ 13° 00' RT
T=40m
R=351m
SUPERELEVATION=0.071
RUNOFF=52m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

CURVE #15
PC FIELD STA. 12+165
PT FIELD STA. 0+246
△ 13° 30' RT
T=155m
R=1310m
SUPERELEVATION=0.027
RUNOFF=19m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

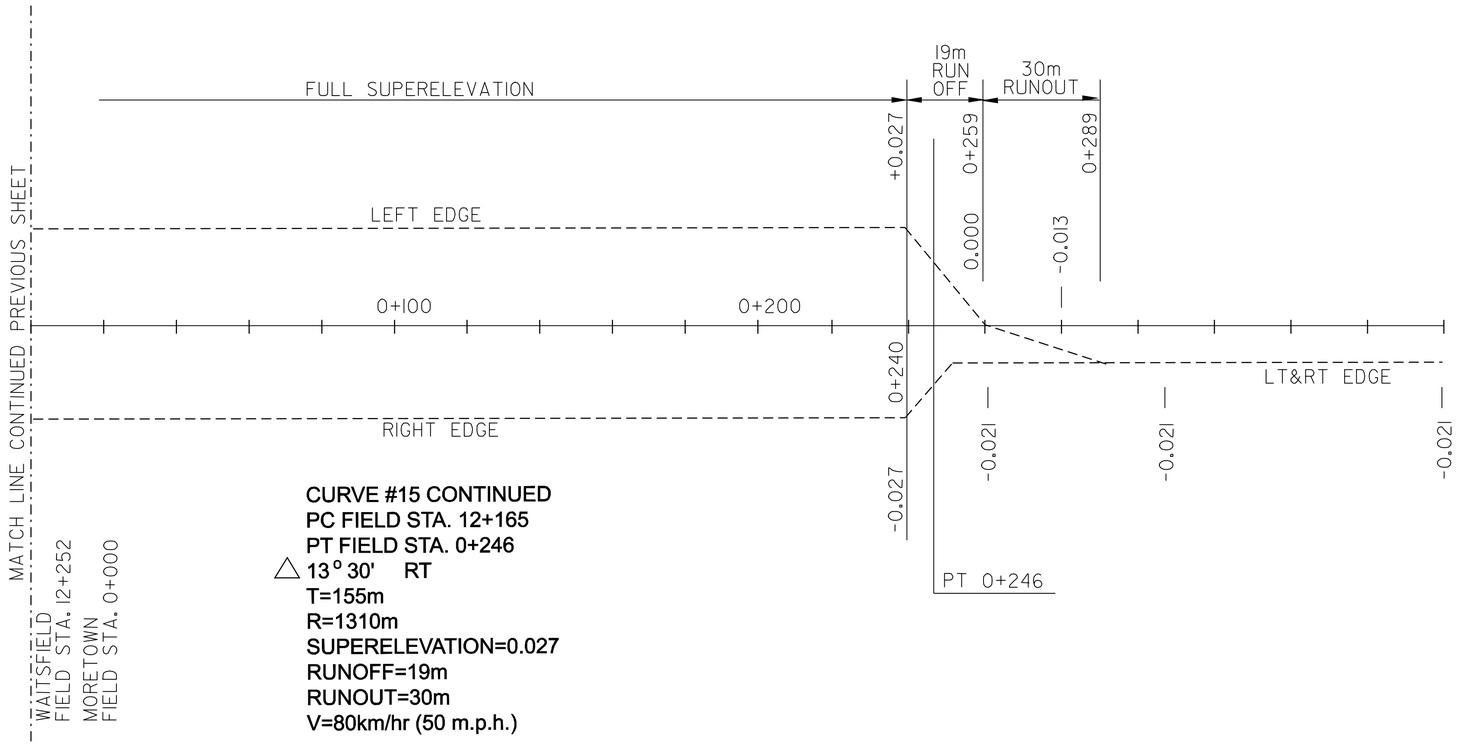
NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

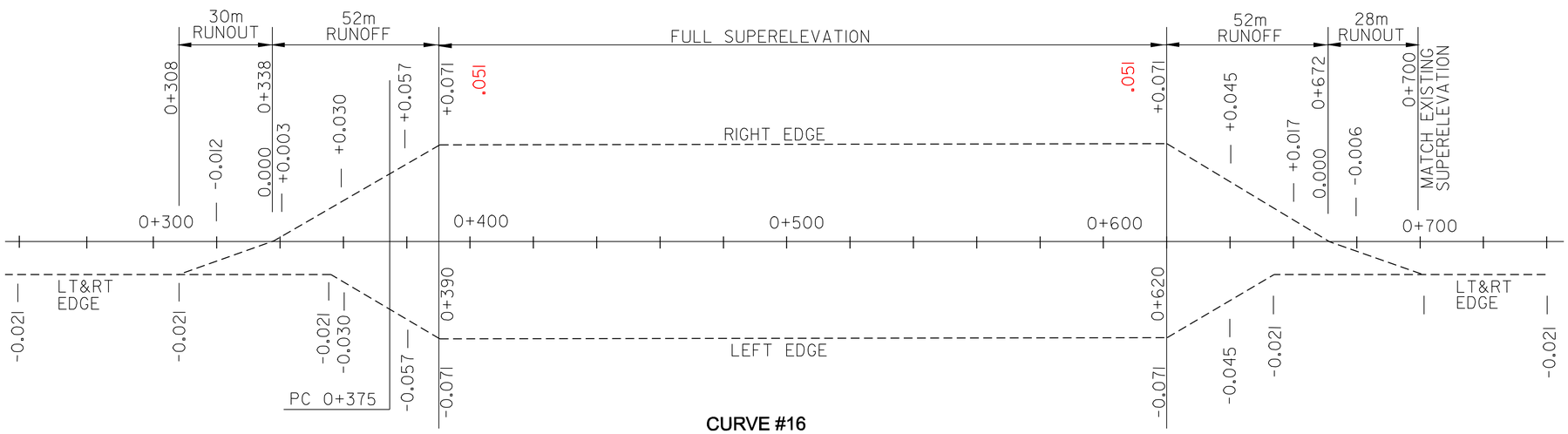
SUPERELEVATION DIAGRAM SHEET #4

DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/00b058/00b058.dgn		
PRF FILE	00b058bd4.i	DATE PLOTTED	23-MAY-2008
PROJ. NAME	**WAITSFIELD – MORETOWN**		
PROJ. NO.	**STP 2227(1)S**		
SHEET	**53** OF **54** SHEETS		



CURVE #15 CONTINUED
PC FIELD STA. 12+165
PT FIELD STA. 0+246
△ 13° 30' RT
T=155m
R=1310m
SUPERELEVATION=0.027
RUNOFF=19m
RUNOUT=30m
V=80km/hr (50 m.p.h.)

CHANGED TO .051



CURVE #16
PC FIELD STA. 0+375
PT FIELD STA. 0+725
△ 53° 00' LT
T=175m
R=351m
SUPERELEVATION=0.071
RUNOFF=52m
RUNOUT=28m
V=80km/hr (50 m.p.h.)

NOTES:

SUPERELEVATION DIAGRAMS ARE NOT TO SCALE.

THE CONTRACTOR IS RESPONSIBLE FOR THE ENGINEERING WORK REQUIRED TO LAYOUT AND MAINTAIN THE CROSS SLOPES IN THE REGRADING OF THE RECLAIMED AREAS.

SUPERELEVATION DIAGRAM SHEET #5

DESIGNED BY	LFW	DATE	1/05
DRAWN BY	LFW	DATE	1/05
DESIGN FILE NO.	pave/00b058/00b058.dgn		
PRF FILE	00b058bd5.i	DATE PLOTTED	23-MAY-2008
PROJ. NAME	**WAITSFIELD – MORETOWN**		
PROJ. NO.	**STP 2227(1)S**		
SHEET	**54** OF **54** SHEETS		