

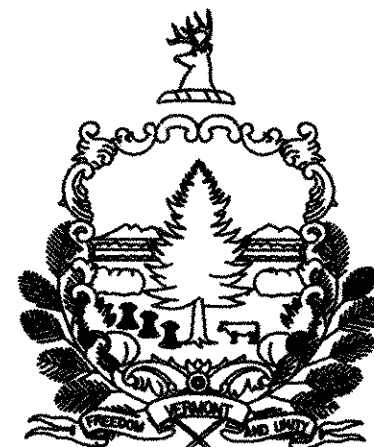
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STATE OF VERMONT AGENCY OF TRANSPORTATION

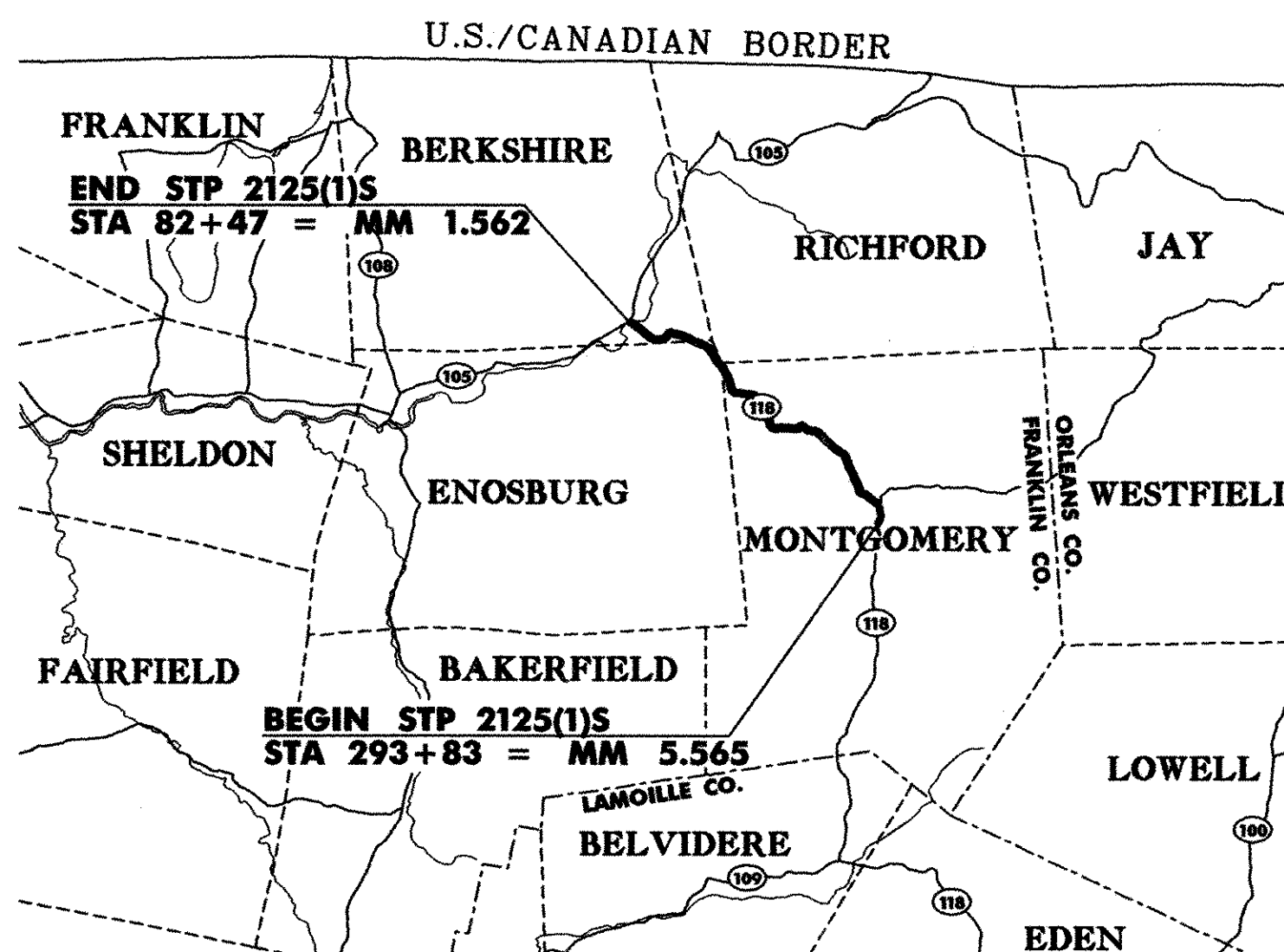


PROPOSED IMPROVEMENTS TOWNS OF MONTGOMERY, ENOSBURG, AND BERKSHIRE COUNTY OF FRANKLIN VT ROUTE 118

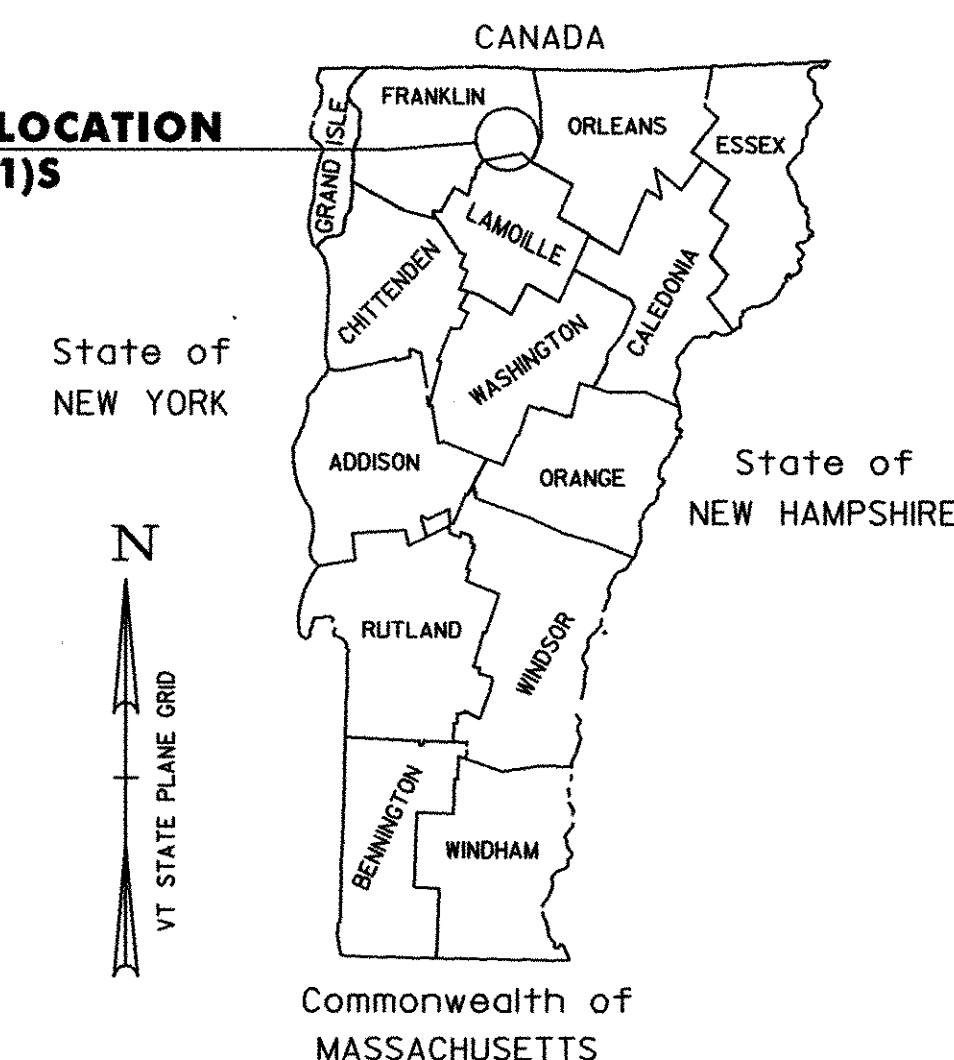
BEGINNING IN THE TOWN OF MONTGOMERY AT STA 293+83 (MM 5.565) AND EXTENDING NORTHERLY ALONG VT ROUTE 118 THROUGH THE TOWN OF ENOSBURG AND INTO THE TOWN OF BERKSHIRE FOR A DISTANCE OF APPROXIMATELY 35,788 FEET (6.778 MILES) TO THE END OF VT ROUTE 118 AT THE INTERSECTION WITH VT ROUTE 105, STA 82+47, MM 1.562.

STATION TO STATION DATA		LENGTH	
		(FEET)	(MILES)
TOWN OF MONTGOMERY			
STA 293+83 TO STA 554+29		25,645	4.857
(MM 5.565 TO MM 10.498)			
EXCLUDING STA 456+64 TO 460+65			
(MM 8.648 TO MM 8.724)			
TOWN OF ENOSBURG			
STA 0+00 TO STA 39+60		3,960	0.750
(MM 0.000 TO MM 0.750)			
TOWN OF BERKSHIRE			
STA 0+00 TO STA 82+47		6,183	1.171
(MM 0.000 TO MM 1.562)			
EXCLUDING STA 20+54 TO 41+18			
(MM 0.389 TO MM 0.780)			
PROJECT TOTALS		35,788	6.778

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RECLAIMING SECTIONS AND RESURFACING OF THE EXISTING HIGHWAY WITH A COMBINATION OF LEVELING AND WEARING COURSES, NEW PAVEMENT MARKINGS, GUARD RAIL INSTALLATION, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS.

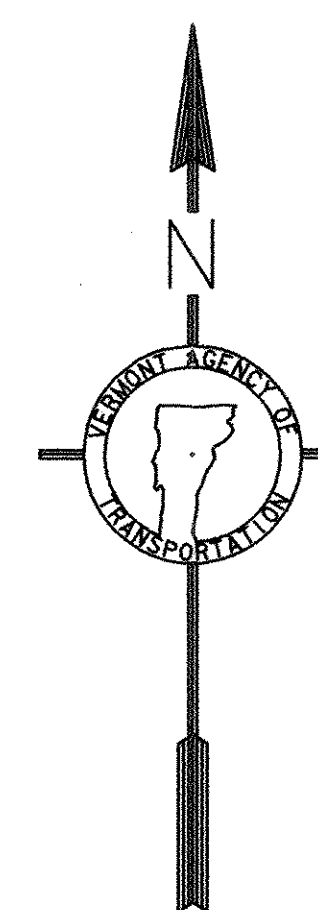


PROJECT LOCATION STP 2125(1)S



TRAFFIC DATA

	ADT		DHV		FLEXIBLE ESAL'S	
	2007	2017	2007	2017	(2007-2017)	(2007-2027)
VT ROUTE 58 TO SOUTH RICHFORD RD (MM 8.01)	2,200	2,500	410	450	274,000	653,000
SOUTH RICHFORD ROAD TO PERLEY ROAD (MM 1.03)	1,800	2,000	360	390	572,000	1,290,000
PERLEY ROAD TO END OF PROJECT (VT ROUTE 105)	2,600	3,000	460	510	667,000	1,566,000



RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.

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

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

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

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT
RESIDENT ENGINEER: RAY HAYES
CONSTRUCTION BEGAN: JUNE 13, 2007
CONSTRUCTION COMPLETE: OCTOBER 17, 2007
RECORD PLANS BY: RAY HAYES & C. PIERCE

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

BY: *Ray Hayes* RESIDENT ENGINEER
DATE: 9/28/2008

NOTE: Any further information concerning final quantities, amounts, or other details relative to this project may be found at Central Files in the electronic files.

DATUM
VERTICAL N/A
HORIZONTAL N/A

BY: *Ray Hayes*
CIVIL ENGINEERING ASSOCIATES, INC.
P.O. BOX 485
SHELBOURNE, VT 05482
802-985-2323 FAX: 802-985-2271 web: cea-vt.com

CONVENTIONAL SIGNS

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

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED: *Richard Johnson* DATE: 2-13-07

PROJECT MANAGER: WOOLLAVER

PROJECT NAME: MONTGOMERY - BERKSHIRE

PROJECT NUMBER: STP 2125(1)S

SHEET 1 OF 41 SHEETS

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE TYPE III.

THE LEVELING COURSE SHALL BE TYPE IV UNLESS OTHERWISE SHOWN IN THE PLANS OR DIRECTED BY THE RESIDENT ENGINEER. LEVELING HAS BEEN INCLUDED TO RESHAPE THE ROADWAY PRIOR TO PAVING THE TOP COURSE ALONG THE COLD PLANED TYPICAL SECTIONS. AN ESTIMATED THICKNESS OF 1/2" OF ITEM 406.27 HAS BEEN INCLUDED TO COVER THIS PROVISION WHERE REQUIRED.

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

2. EMULSIFIED ASPHALT, TYPE RS-1, 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 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.

3. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/-1/4in (TOTAL THICKNESS EXCLUDING LEVELING).

4. PRIOR TO RECLAIMING, EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER WILL BE EXCAVATED TO A DEPTH OF 3 in +/- 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 FOR USING THE APPROPRIATE RENTAL ITEMS SUCH AS ALL PURPOSE EXCAVATOR RENTAL, TYPE I, POWER GRADER RENTAL, LOADER RENTAL, TYPE I, TRUCK RENTAL, AND POWER BROOM RENTAL, TYPE I. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SPECIAL PROVISION (SUBBASE, RAP).

5. THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARD RAIL WITH 6ft POSTS. IF THIS CANNOT BE OBTAINED THEN 8ft POSTS SHALL BE USED.

6. STEEL BEAM GUARD RAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.

7. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.

8. ITEMS 604.40, 604.412 & 604.418 ARE ESTIMATED QUANTITIES AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL D.I.'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.

9. ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH AGGREGATE SHOULDERS, RAP AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.I3, AGGREGATE SHOULDERS, RAP.

10. ALL DRIVES SHALL RECEIVE A PAVED APRON TO THE SIDEWALK, OR 3ft, AS DIRECTED BY THE RESIDENT ENGINEER. ANY REQUIRED EXCAVATION SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 900.680, SPECIAL PROVISION (SUBBASE, RAP). A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 406.27. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.

11. ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL, TYPE I AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL FLARES. THE GUARD RAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 3in DEPTH OF AGGREGATE SHOULDER, RAP UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDERS, RAP AND 25 CUBIC YARDS OF EARTH BORROW FOR EACH GUARD RAIL TERMINAL.

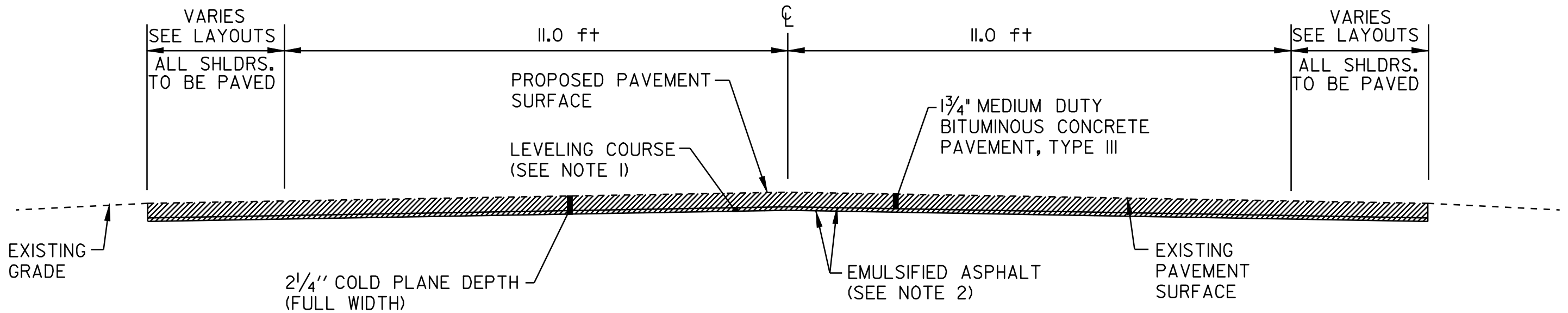
12. ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDEROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 406.27, MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT.

13. COMPACTION, GRADING, AND CLEAN UP OF ITEM 900.680-SPECIAL PROVISION (SUBBASE, RAP), ITEM 402.I3-AGGREGATE SHOULDERS, RAP, AND ITEM 651.35-TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.

14. AN ESTIMATED THICKNESS OF 2" OF SPECIAL PROVISION (SUBBASE, RAP) HAS BEEN INCLUDED FOR THE PROVISION OF IMPROVING GRADATION DEFICIENCIES AND/OR CORRECTING SUPERELEVATION, AS NECESSARY, OR AS DIRECTED BY THE RESIDENT ENGINEER.

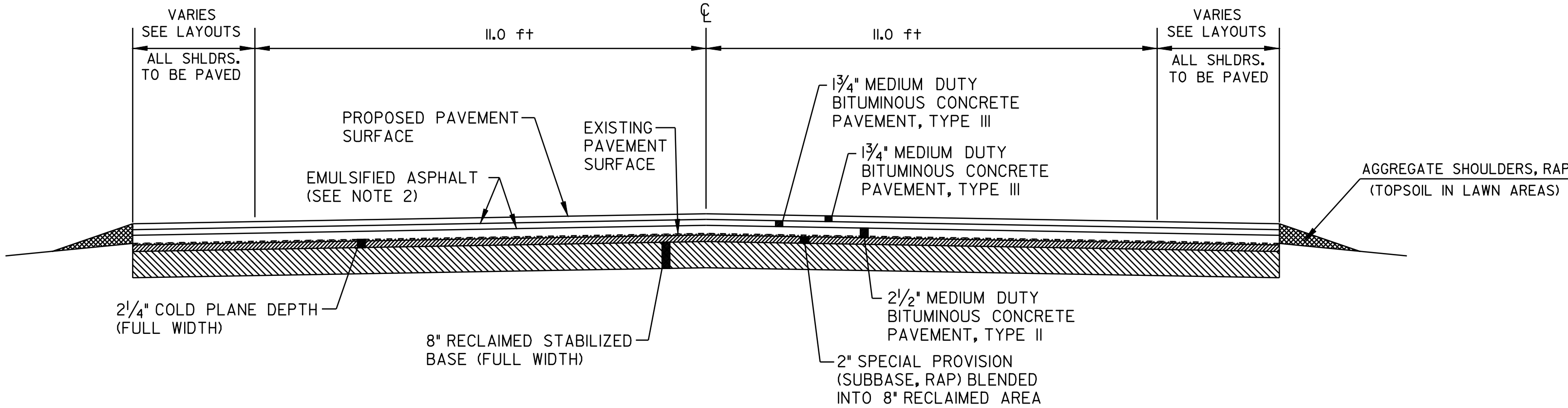
15. STABILIZING AGENT FOR RECLAIMED STABILIZED BASE WILL BE WATER. PAYMENT SHALL BE INCIDENTAL TO ITEM 310.20.

16. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES MANUFACTURED BY NEENAH FOUNDRY OR ANOTHER EQUAL CAST IRON PRODUCT FROM THE AGENCY'S APPROVED PRODUCTS LIST.



COLD PLANED TYPICAL SECTION

MONTGOMERY
STA 293+83 TO 319+44
STA 401+28 TO 456+64
BERKSHIRE
STA 41+18 TO 82+47



RECLAIM TYPICAL SECTION

MONTGOMERY
STA 319+44 TO 401+28
STA 460+65 TO 554+29
ENOSBURG
STA 0+00 TO 39+60
BERKSHIRE
STA 0+00 TO 20+54

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING Tons	NOTES
MONTGOMERY - VT ROUTE 118	293+83	319+44	VARIES -11.0FT-11.0FT-	VARIES	1 3/4in	230
	319+44	401+28	VARIES -11.0FT-11.0FT-	VARIES	1 3/4in	--
	401+28	456+64	VARIES -11.0FT-11.0FT-	VARIES	1 3/4in	530
	460+65	554+29	VARIES -11.0FT-11.0FT-	VARIES	1 1/2in	--
ENOSBURG - VT ROUTE 118	0+00	39+60	VARIES -11.0FT-11.0FT-	VARIES	1 1/2in	--
BERKSHIRE - VT ROUTE 118	0+00	20+54	VARIES -11.0FT-11.0FT-	VARIES	1 1/2in	--
	41+18	82+47	VARIES -11.0FT-11.0FT-	VARIES	1 3/4in	380

PROJECT
TYPICAL
SHEET #1

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

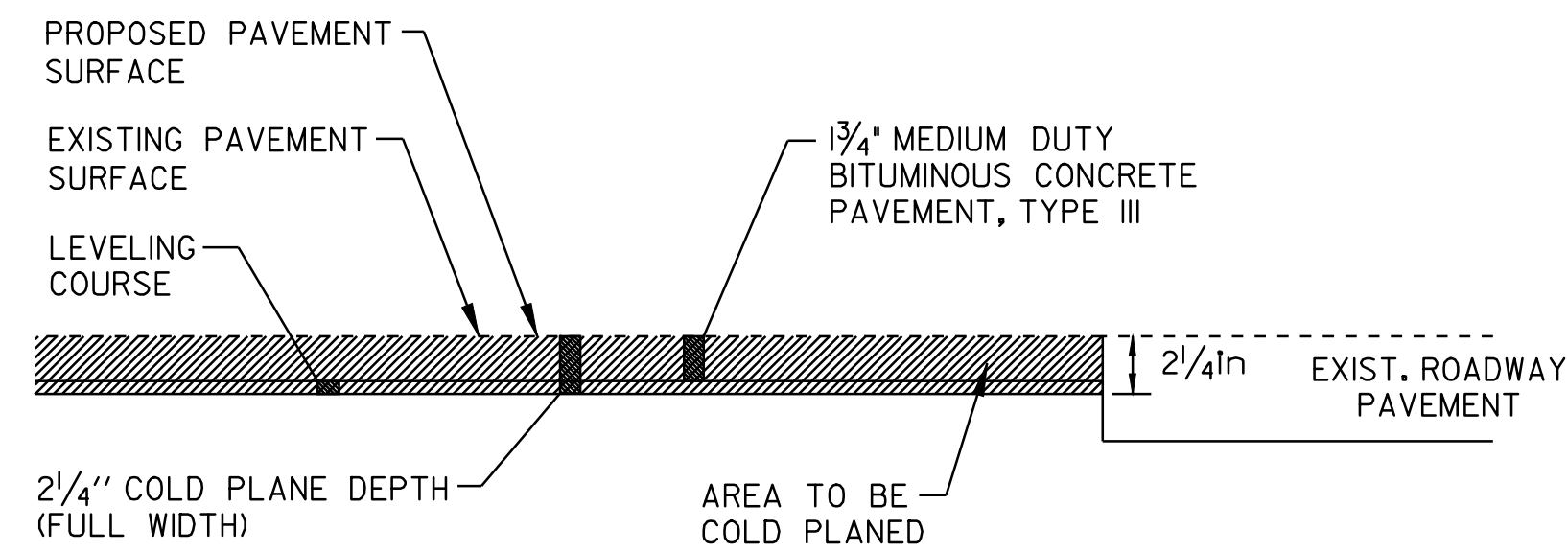
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PRF FILE p98cl82+ypl.1 DATE PLOTTED 10-FEB-2010.14

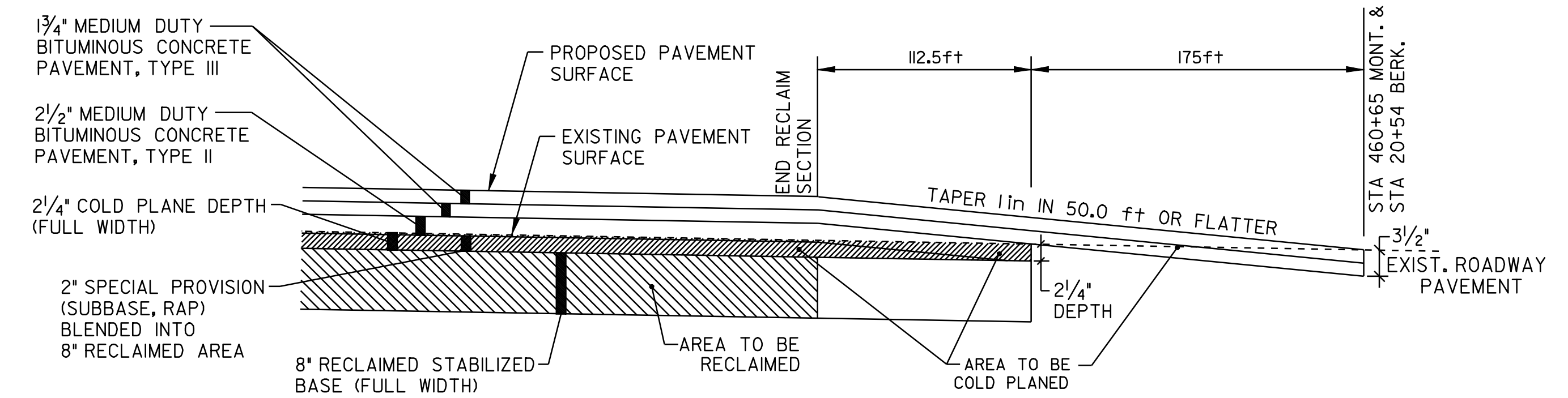
PROJ. NAME MONTGOMERY - BERKSHIRE

PROJ. NO. STP 2125(1)S

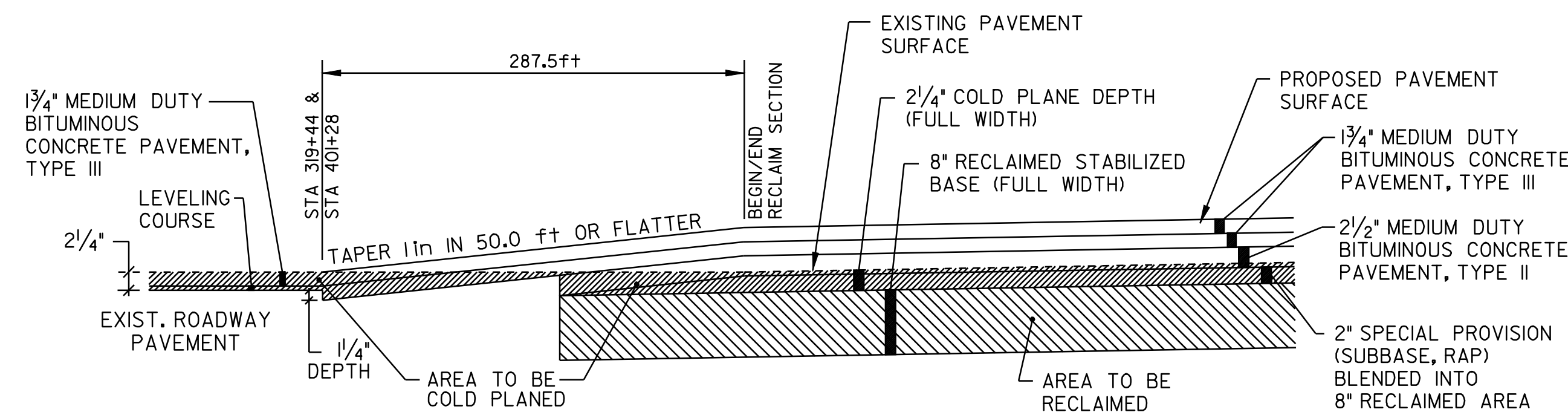
SHEET 2 OF 41 SHEETS



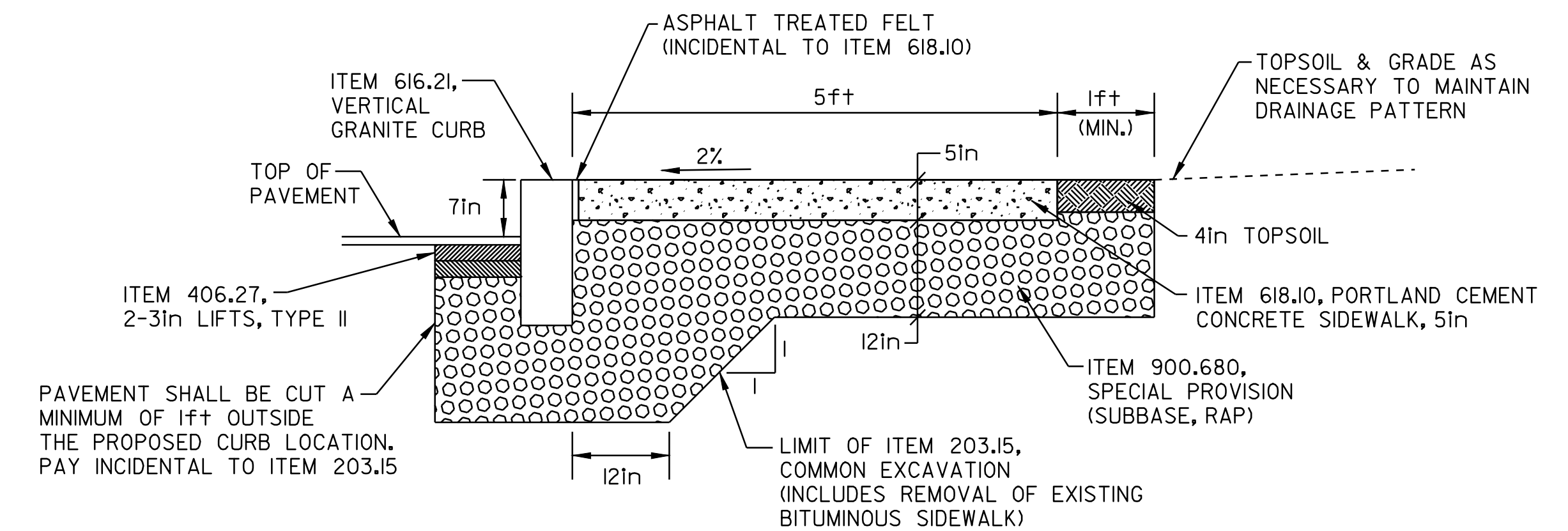
- APPROACH AREA DETAIL -
MONTGOMERY
STA 293+83 (BEGIN PROJECT)
STA 456+64 (STOP PROJECT @ BRIDGE #21)
STA 41+18 (RESUME PROJECT @ BRIDGE #26)
BERKSHIRE
STA 82+47 (END PROJECT)



- APPROACH AREA DETAIL -
MONTGOMERY
STA 460+65 (RESUME PROJECT @ BRIDGE #21)
BERKSHIRE
STA 20+54 (STOP PROJECT @ BRIDGE #26)



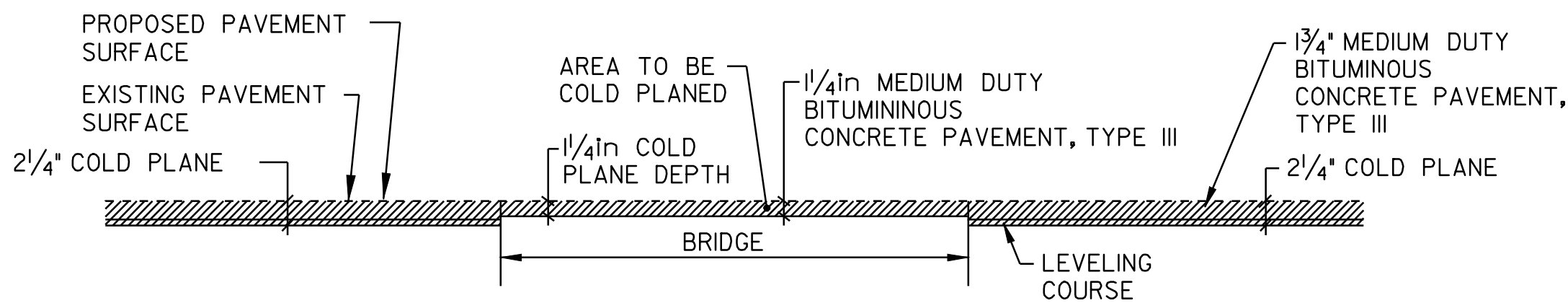
-TRANSITION AREA DETAIL-
MONTGOMERY
STA 319+44 TO 322+32
(END COLD PLANING/BEGIN RECLAIMING)
STA 398+40 TO 401+28
(END RECLAIMING/BEGIN COLD PLANING)



NEW CONCRETE SIDEWALK WITH
VERTICAL GRANITE CURB
BERKSHIRE
STA 77+50 TO 78+03 LT
STA 81+07 TO 81+35 LT

PROJECT
TYPICAL
SHEET #2

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82+yp2.i	DATE	10-FEB-2010.14
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	3	OF	41 SHEETS



- COLD PLANING DETAIL @ BRIDGES -

MONTGOMERY

~~BRIDGE #15 - STA 296+31~~

~~BRIDGE #19 - STA 441+14~~

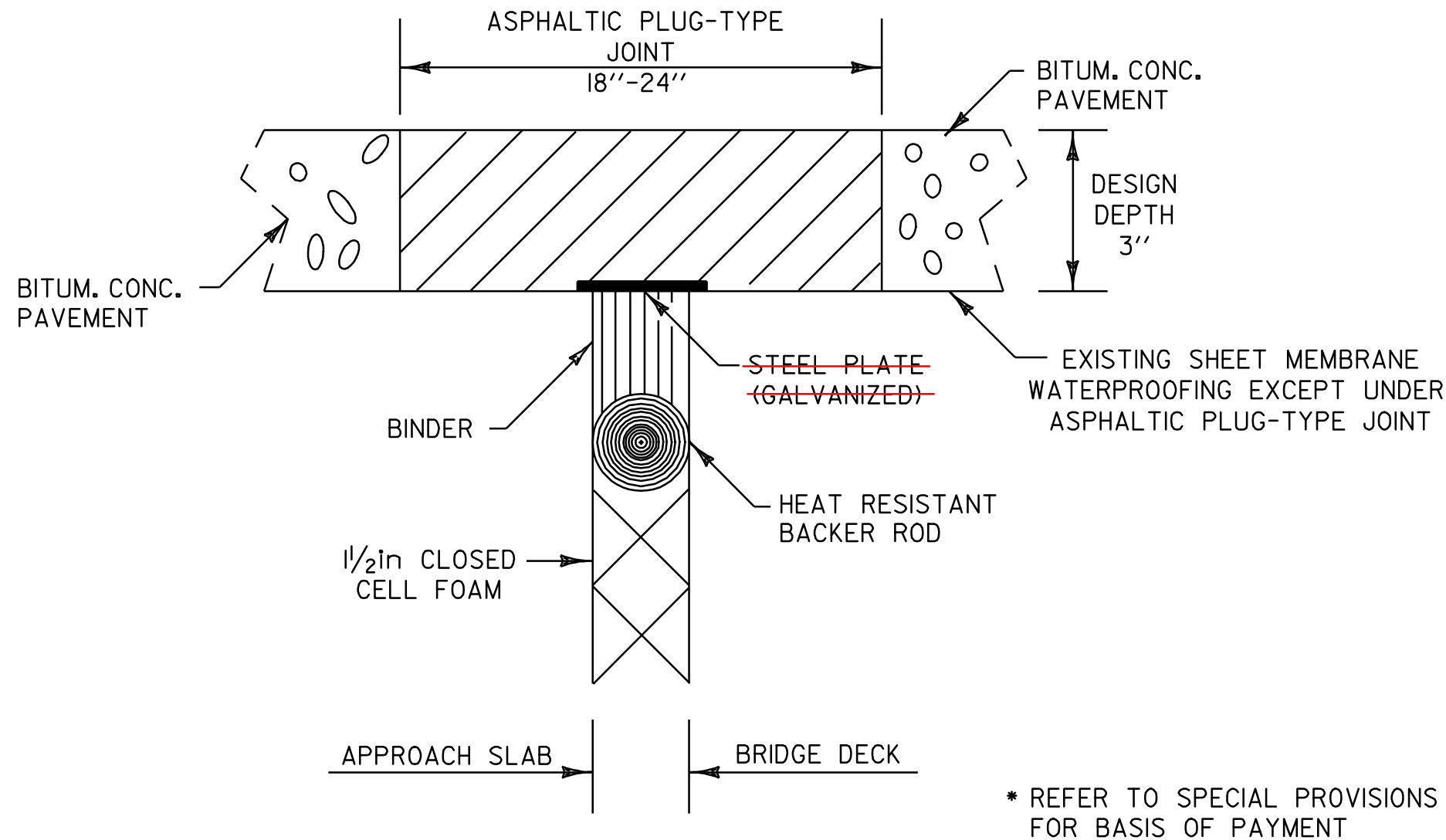
~~BRIDGE #20 - STA 450+12~~

BERKSHIRE

BRIDGE #30 - STA 79+56

NOTE:

PRECAUTIONS MUST BE TAKEN ON BRIDGE #30 TO AVOID DAMAGE TO THE EXISTING MEMBRANE. ANY COSTS ASSOCIATED WITH REPAIRING OR REPLACING THIS MEMBRANE, FROM DAMAGE DURING COLD PLANE OPERATIONS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

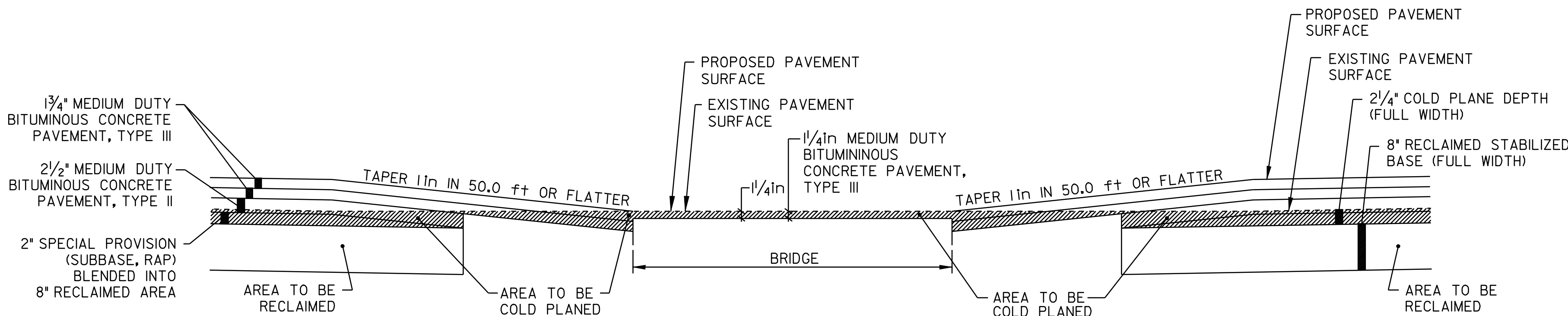


- ASPHALTIC PLUG TYPE JOINT DETAIL -

LOCATION

MONTGOMERY

~~BRIDGE #15 (28ft) - STA 295+90~~
30.6 BRIDGE #15 (28ft) - STA 296+55
36.5 BRIDGE #19 (30ft) - STA 440+40
34.75 BRIDGE #19 (30ft) - STA 441+27 00
36.5 BRIDGE #19 (30ft) - STA 442+15
34.75 BRIDGE #20 (30ft) - STA 449+50
34.75 BRIDGE #20 (30ft) - STA 450+2 42
34.75 BRIDGE #20 (30ft) - STA 450+75
BRIDGE #20 (34.75) STA 449+83
BRIDGE #19 (34.75) STA 441+60



- COLD PLANING DETAIL @ BRIDGES -

MONTGOMERY

BRIDGE #23 - STA 535+81

ENOSBURG

BRIDGE #24 - STA 32+84

BERKSHIRE

BRIDGE #25 - STA 17+89

- ASPHALTIC PLUG BRIDGE JOINT - GENERAL NOTES

INSTALLATION:

1. THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURERS RECOMMENDED WIDTH.
2. THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.
3. THE JOINT SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
4. SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE RESIDENT ENGINEER.
5. PROPERLY SIZED HEAT RESISTANT BACKER ROD SHALL BE PLACED IN THE MOVEMENT GAP ALLOWING FOR 1 INCH+/- OF BINDER ABOVE THE ROD.
6. THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.
7. PLACE 1/4 INCH THICK BY 8 INCH WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP, SECURE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO THE BACKER ROD AND COVER WITH HOT BINDER.
 - a. THE STEEL PLATES MAY BE OMITTED WHERE THE APPROACH SLAB IS COVERED WITH A STONE BASE OR BITUMINOUS PAVEMENT, AND VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
8. THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.
9. THE INSTALLATION OF MATERIAL, COMPACTION AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
10. IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
11. JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 125 DEGREES F +/-.

WEATHER LIMITATIONS:

- I. BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:
 - a. THE AMBIENT AIR TEMPERATURE IS AT LEAST 50 DEGREES F AND RISING.
 - b. THE ROAD SURFACE IS SUFFICIENTLY DRY.
 - c. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF THE SATISFACTORY WORK.

PROJECT TYPICAL SHEET #3

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

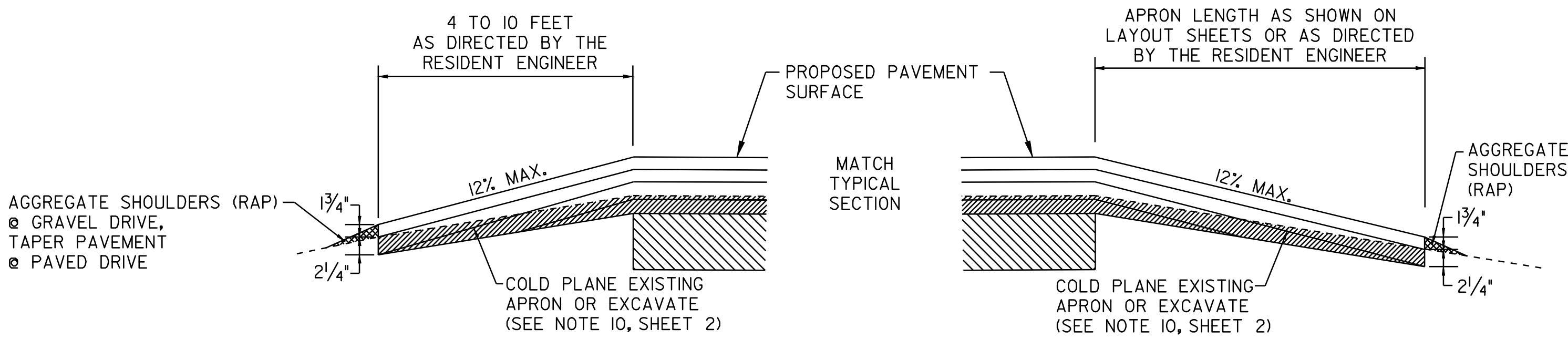
DESIGN FILE NO. p98cl82.dgn

PRF FILE p98cl82+yp3.1 DATE 10-FEB-2010 PLOTTED 10-FEB-2010

PROJ. NAME **MONTGOMERY - BERKSHIRE**

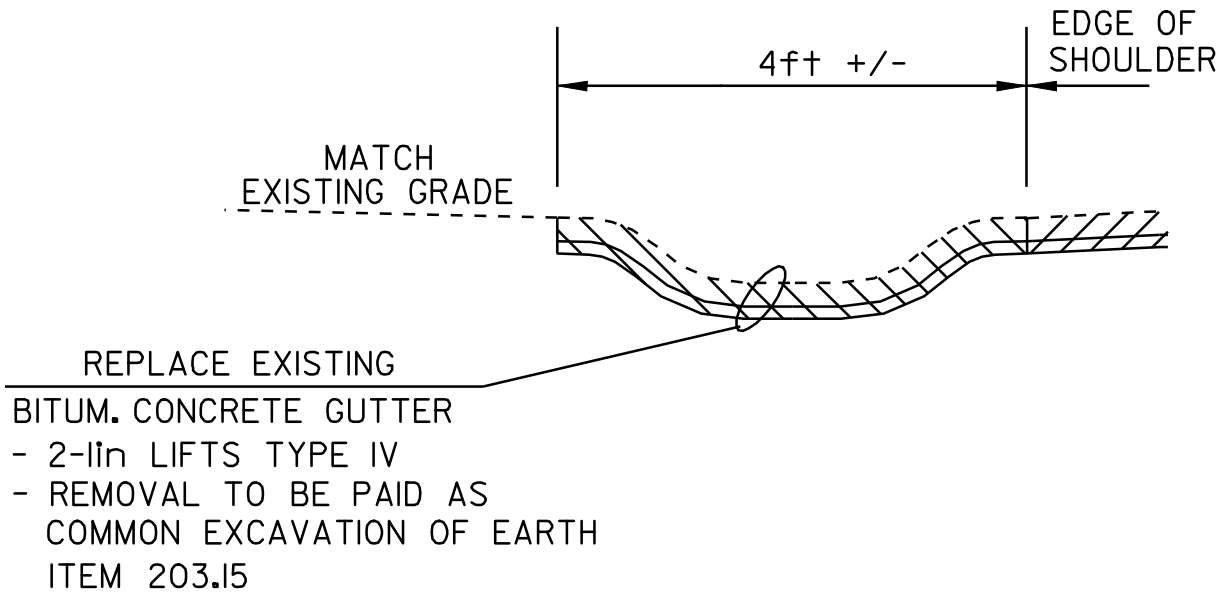
PROJ. NO. **STP 2125(1)S**

SHEET **4** OF **41** SHEETS



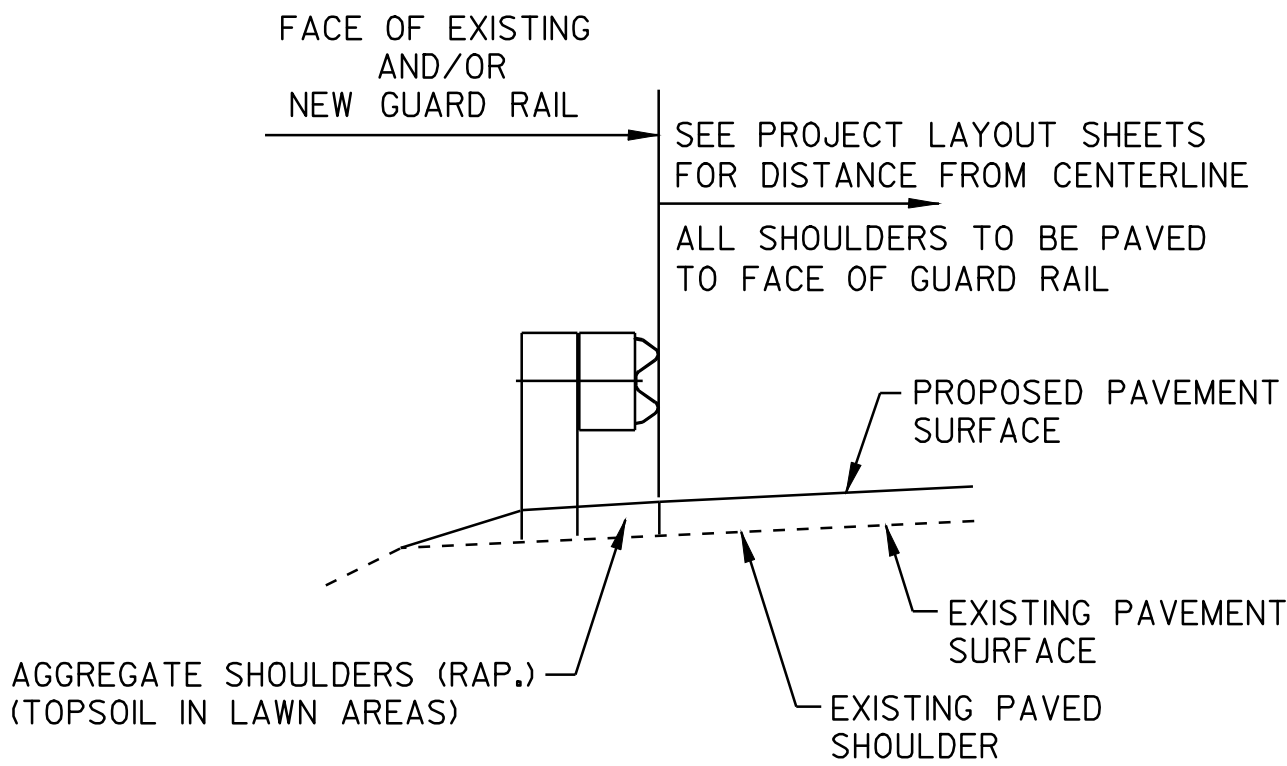
DRIVEWAY TRANSITION DETAIL
@ COLD PLANE/RECLAIM AREAS

TOWN HIGHWAY TRANSITION DETAIL
@ COLD PLANE/RECLAIM AREAS



BITUMINOUS CONCRETE
GUTTER DETAIL
MONTGOMERY

STA 297+50 TO 298+95 RT
STA 299+73 TO 300+84 LT
STA 305+86 TO 314+72 LT
STA 425+91 TO 427+52 LT



- TYPICAL SECTION AT GUARD RAIL -

CONSERVATION SEED MIX
RURAL AREA - SEED MIXTURE

% WT.	lbs./ACRE	NAME	PUR%	GERM%
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3	RED TOP	95	90
15.0	9	BIRDSFOOT TREFOIL	98	85
5.0	3	ANNUAL RYEGRASS	95	85
100.0	60			

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

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

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

AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 2.0 TONS/ACRE, OR AS DIRECTED
BY THE ENGINEER.

HAY MULCH:
TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2.0 TONS/ACRE,
OR AS DIRECTED BY THE ENGINEER.

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

PROJECT
TYPICAL
SHEET #4

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

DESIGN FILE NO. p98cl82.dgn

PRF FILE p98cl82+yp4.1 DATE PLOTTED 10-FEB-2010 14:

PROJ. NAME MONTGOMERY - BERKSHIRE

PROJ. NO. STP 2125(1)S

SHEET 5 OF 41 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

[illegible][illegible][illegible][illegible]

QUANTITY SHEET #1	PROJECT NAME	MONTGOMERY – BERKSHIRE	p98cl82.dgn	DATE PLOTTED <u>10-FEB-2010 14:</u>
	PROJECT NUMBER	STP 2125(1)S	p98cl82qsl.t	SHEET 6 OF 41 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET

APPROXIMATE SUMMARY OF QUANTITIES									
R.O.W.	EMPLOYEE TRAINEESHIP	FULL CE	GOV'T PARTICIPATING		QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
			BRIDGE	ROADWAY					
				280	280	LF	H. D. STEEL BEAM GUARD RAIL, GALVANIZED	621.21	2.4
				31	31	EA	MANUFACTURED TERMINAL SECTION, FLARED	621.50	--
				14	14	EA	TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL	621.53	--
				13	13	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	--
				9,500	9,500	LF	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80	12.4
				1,500	1,500	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST
				5,000	5,000	HR	FLAGGERS	630.15	EST
		1			1	LS	FIELD OFFICE, ENGINEERS	631.10	--
		1			1	LS	TESTING EQUIPMENT, CONCRETE	631.16	--
		1			1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	--
		1			1	LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	EST
				1	1	LS	MOBILIZATION/DEMOBILIZATION	635.11	EST
				1	1	LS	TRAFFIC CONTROL	641.10	EST
				72,000	72,000	LF	DURABLE 4 IN WHITE LINE, THERMOPLASTIC	646.402	--
				72,000	72,000	LF	DURABLE 4 IN YELLOW LINE, THERMOPLASTIC	646.412	--
				240	240	LF	DURABLE 8 IN WHITE LINE, THERMOPLASTIC	646.442	--
				300	300	LF	DURABLE 24 IN STOP BAR, THERMOPLASTIC	646.482	--
				77	77	EA	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	--
				112,500	112,500	LF	TEMPORARY 4 IN WHITE LINE, PAINT	646.602	EST
				112,500	112,500	LF	TEMPORARY 4 IN YELLOW LINE, PAINT	646.612	EST
				600	600	LF	TEMPORARY 24 IN STOP BAR, PAINT	646.682	EST
				154	154	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	--
				2,000	2,000	EA	LINE STRIPING TARGETS	646.76	EST
				2,250	2,250	SY	GEOTEXTILE UNDER STONE FILL	649.31	13
				120	120	LB	SEED	651.15	EST
				1,000	1,000	LB	FERTILIZER	651.18	EST
				4	4	TON	AGRICULTURAL LIMESTONE	651.20	EST
				4	4	TON	HAY MULCH	651.25	EST
				100	100	CY	TOPSOIL	651.35	EST
				575	575	SY	TEMPORARY EROSION MATTING	653.20	14
				143	143	SF	TRAFFIC SIGNS, TYPE A	675.20	0.88
							- BEGIN OPTION ITEMS -		
				345	345	LF	FLANGED CHANNEL SIGN POSTS	675.301	EST
				345	345	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	EST
							- END OPTION ITEMS -		
				33	33	EA	REMOVING SIGNS	675.50	--
				5	5	EA	ERECTING SALVAGED SIGNS	675.60	--
				48	48	EA	DELINEATORS WITH STEEL POST	676.10	EST
				1	1	EA	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	EST
			115		115	LF	SPECIAL PROVISION (BRIDGE RAILING REPAIR, TYPE II)	900.640	2.5
				9,300	9,300	TON	SPECIAL PROVISION (SUBBASE, RAP)	900.680	EST

[illegible][illegible][illegible]

QUANTITY SHEET #2	PROJECT NAME	MONTGOMERY - BERKSHIRE	p98cl82.dgn	DATE PLOTTED
	PROJECT NUMBER	STP 2125(1)S	p98cl82qs2.l	SHEET 7 OF

ITEM DETAIL SUMMARY SHEET

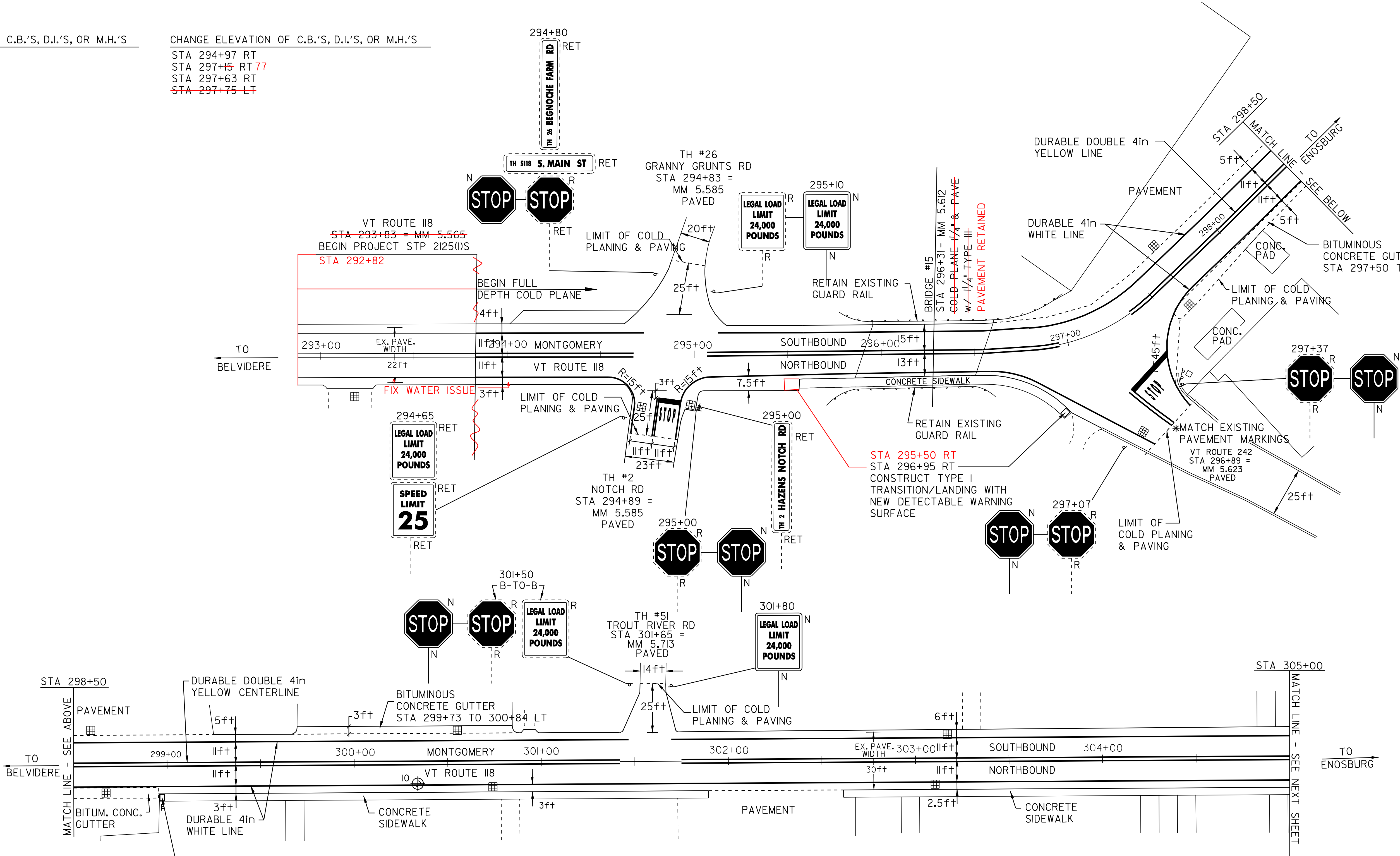
[illegible]

ITEM DETAIL SUMMARY SHEET

LOCATION			MISCELLANEOUS ITEMS											DRAINAGE ITEMS							GUARD RAIL ITEMS														REMARKS
STA	STA	POS.	203.15	203.16	203.30	402.13	616.20	616.21	616.40	616.41	616.47	618.10	618.30	900.680	604.40	604.412	604.418	NEW PIPE				619.17	621.20	621.205	621.21	621.50	621.53	621.60	621.76	621.77	621.80	676.10			
			COM. EXCAV.	SOLID ROCK EXCAV.	EARTH BORROW	AGG. SHOULD., RAP	GRANITE SLOPE EDGING	VERTICAL GRANITE CURB	REMOV. AND RESET. CURB	REMOV. OF EXISTING CURB	B. CONC. GUTTER & TRAF. ISLAND	PORT. CEMENT CONC. WALK (5in)	DETECT. WARN. SURFACE	SPECIAL PROVISION (SUBBASE, RAP)	CHANGE ELEV.	REHAB. D.I. CLASS I	REHAB. D.I. CLASS III	DIA.	CSP (0.064)	RCP	CPEP	YIELDING MARKER POSTS	STEEL BEAM G.R.	STEEL BEAM G.R. 8ft POSTS	HEAVY DUTY S.B. G.R.	MANUF. TERMINAL SECTION, FLARED	TERMINAL CONNECT.	ANCHOR FOR S.B. RAIL	REPLACE G.R. POST ASSEMBLY	REPLACE G.R. BEAM UNIT	REMOVE & DISP. OF GUARD RAIL	DELIN. w/STEEL POSTS			
			CY	CY	CY	TON	LF	LF	LF	LF	TON	SY	SF	TON	EA	EA	EA	In	LF	LF	LF	EA	LF	LF	LF	EA	EA	EA	EA	EA	EA				
MONTGOMERY CONT'D											44.05																								
425+91	427+52	LT	-7-								-17-																				REMOVE & REPLACE EXISTING BITUMINOUS GUTTER, SEE DETAIL ON SHEET 5.				
426+15		LT																													REHAB D. I. LT				
426+40		RT																													REHAB D. I. RT				
428+83		LT																													REHAB D. I. LT				
430+26		LT		0.4								4.7	8																		REHAB D. I. LT				
430+43		LT																													REHAB D. I. LT				
439+74	440+62	RT				-5																25			1	1				87.5	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 440+62. COORD. W/SHEET 40.			
439+77	440+39	LT				-5																		1	1					62.5	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 440+39. COORD. W/SHEET 40.			
442+12	442+52	LT				-5																25				1	1			50	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 442+12. COORD. W/SHEET 40.			
442+36	443+86	RT				-5																87.5			1	1				150	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 442+36. COORD. W/SHEET 40.			
449+16	449+54	RT				-5																12.5				1	1			37.5	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 449+54. COORD. W/SHEET 40.			
449+38	449+70	LT				-5																37.5				1	1			62.5	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 449+70. COORD. W/SHEET 40.			
450+75	451+37	RT				-5																12.5			+ -	1				37.5	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 450+75. COORD. W/SHEET 40.			
450+95	451+15	LT				-5																25				1	1			50	1	ATTACH TO EXISTING BRIDGE RAIL @ STA. 450+95. COORD. W/SHEET 40.			
481+82	484+94	LT			50	10																187.5								312.5	2	REPLACE EXISTING STEEL BEAM GUARD RAIL.			
																						-237.5													
																						512.5													
485+71	492+09	LT			25	-5																-562.5			2					637.5	2	REPLACE EXISTING STEEL BEAM GUARD RAIL.			
511+12	517+49	LT			-50	10																-200			2					-600	2	REPLACE EXISTING CABLE GUARD RAIL WITH STEEL BEAM GUARD RAIL.			
519+32	528+81	LT			-50	10																450			2					75	2	REPLACE EXISTING STEEL BEAM GUARD RAIL.			
																						-875								950					
534+76	535+63	RT			-25	-5																25			32.5	1				87.5	1	ATTACH TO NEW BRIDGE RAIL @ STA. 535+63.			
535+38	535+63	LT			-25	-5																			32.5				25	1	ATTACH TO NEW BRIDGE RAIL @ STA. 535+63.				
535+96	536+82	LT			-25	-5																12.5			41.3	1			-81.3	1	ATTACH TO NEW BRIDGE RAIL @ STA. 535+96.				
535+96	536+70	RT			-25	-5																			41.3	1			56.3	1	ATTACH TO NEW BRIDGE RAIL @ STA. 535+96.				
ENOSBURG														1,488																					
0+00	39+60	LT&RT				450								1,500																		ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.			
31+70	32+57	RT			-25	-5																25			32.5	1	+ -			87.5	1	ATTACH TO NEW BRIDGE RAIL @ STA. 32+57.			
31+95	32+57	LT			-25	-5																													

TEMPORARY AND DURABLE 4in YELLOW LINE	TEMPORARY AND DURABLE 4in WHITE LINE	TEMPORARY AND DURABLE 24in STOP BAR	TEMPORARY AND DURABLE LETTER OR SYMBOL	BITUMINOUS CONCRETE GUTTER	REMOVING SIGNS
STA 293+83 TO 305+00 SOLID LT&RT STA 294+89 DOUBLE SOLID RT STA 296+89 DOUBLE SOLID RT (WITH CENTERLINE BREAKS FOR TOWN & STATE HIGHWAYS)	STA 293+83 TO 305+00 SOLID LT&RT (WITH EDGE LINE BREAKS FOR TOWN & STATE HIGHWAYS)	STA 294+89 RT NOTCH RD STA 296+89 RT VT ROUTE 242	STA 294+89 RT "STOP" STA 296+89 RT "STOP"	STA 297+50 TO 298+95 RT STA 299+73 TO 300+84 LT	7

REHABILITATION OF C.B.'S, D.I.'S, OR M.H.'S	CHANGE ELEVATION OF C.B.'S, D.I.'S, OR M.H.'S
STA 294+77 RT STA 298+64 LT STA 298+71 RT STA 300+55 LT STA 300+74 RT STA 303+10 RT STA 303+17 LT 297+75 LT 293+15 RT	STA 294+97 RT STA 297+15 RT 77 STA 297+63 RT STA 297+75 LT



PAVEMENT CORES -

#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
10	1.5	YES	YES	3' OFF SIDEWALK

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-TO-B	= BACK TO BACK
⊕	CATCH BASIN/DI
⊞	EXISTING THROAT DI
I	MARKER POST
⊗	UTILITY POLE
⊗/I	UTIL. POLE W/UNDERGROUND UTIL.
---	DRIVE

PAVING
PROJECT
LAYOUT
SHEET #1

DESIGNED BY

BCE/PJM

DATE

6-06

DRAWN BY

C.E.A., INC.

DATE

6-06

DESIGN FILE NO.

p98cl82.dgn

PRF FILE

p98cl82101.1

DATE PLOTTED

10-FEB-2010 14:

PROJ. NAME

MONTGOMERY - BERKSHIRE

PROJ. NO.

STP 2125(1)S

SHEET

11

OF

41

SHEETS

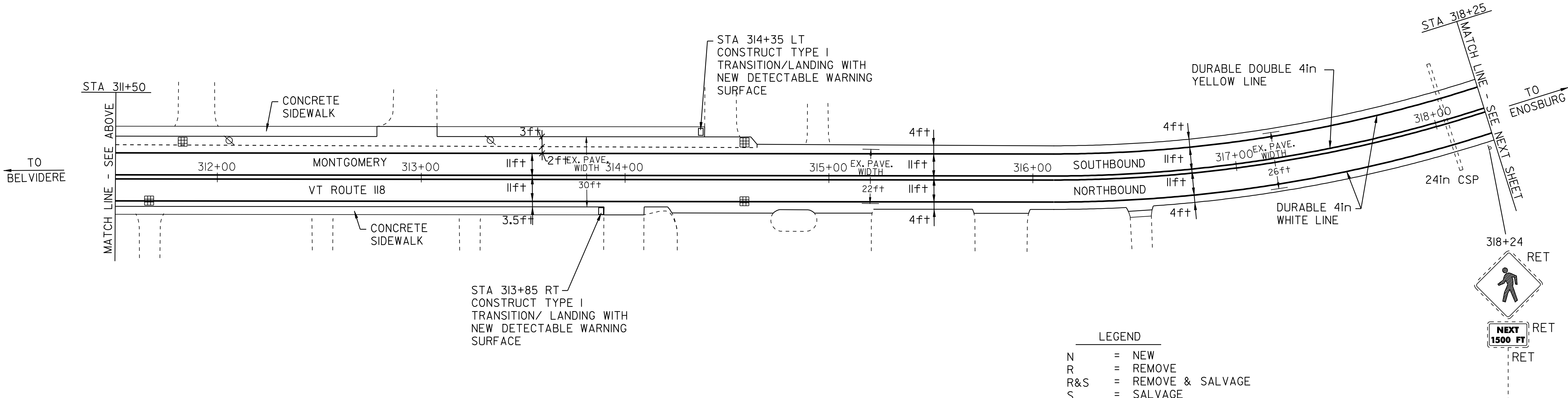
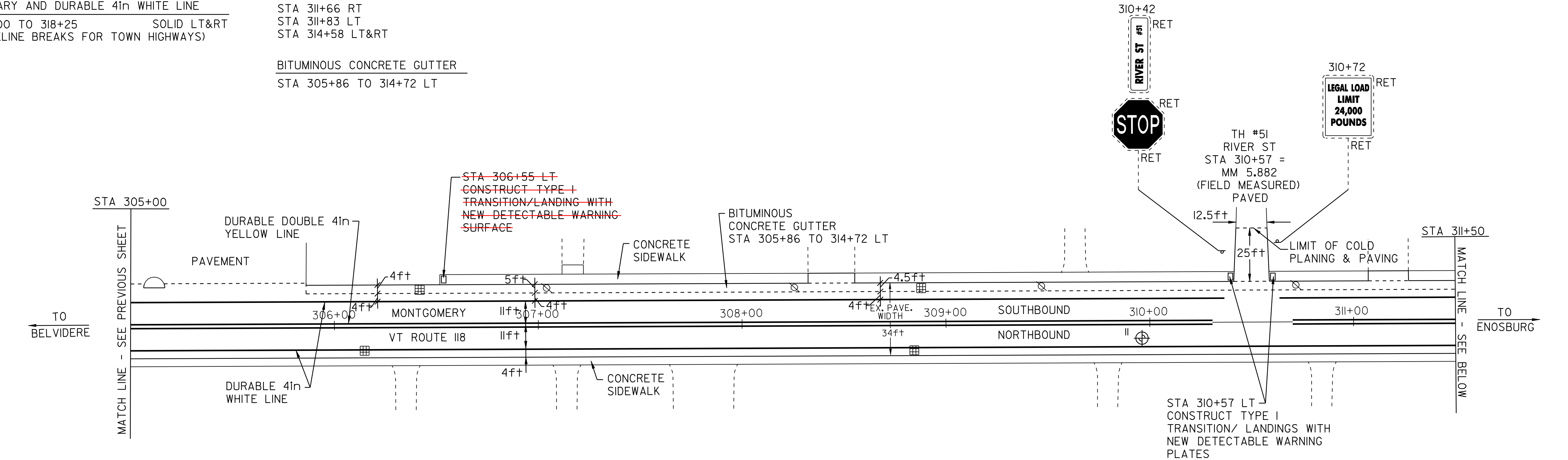
TEMPORARY AND DURABLE 4in YELLOW LINE
STA 305+00 TO 318+25 SOLID LT&RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 4in WHITE LINE
STA 305+00 TO 318+25 SOLID LT&RT
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

REHABILITATION OF C.B.'S, D.I.'S, OR M.H.'S

STA 306+15 RT
STA 306+42 LT
STA 308+84 RT
STA 308+88 LT
STA 311+66 RT
STA 311+83 LT
STA 314+58 LT&RT

BITUMINOUS CONCRETE GUTTER
STA 305+86 TO 314+72 LT



PAVEMENT CORES -

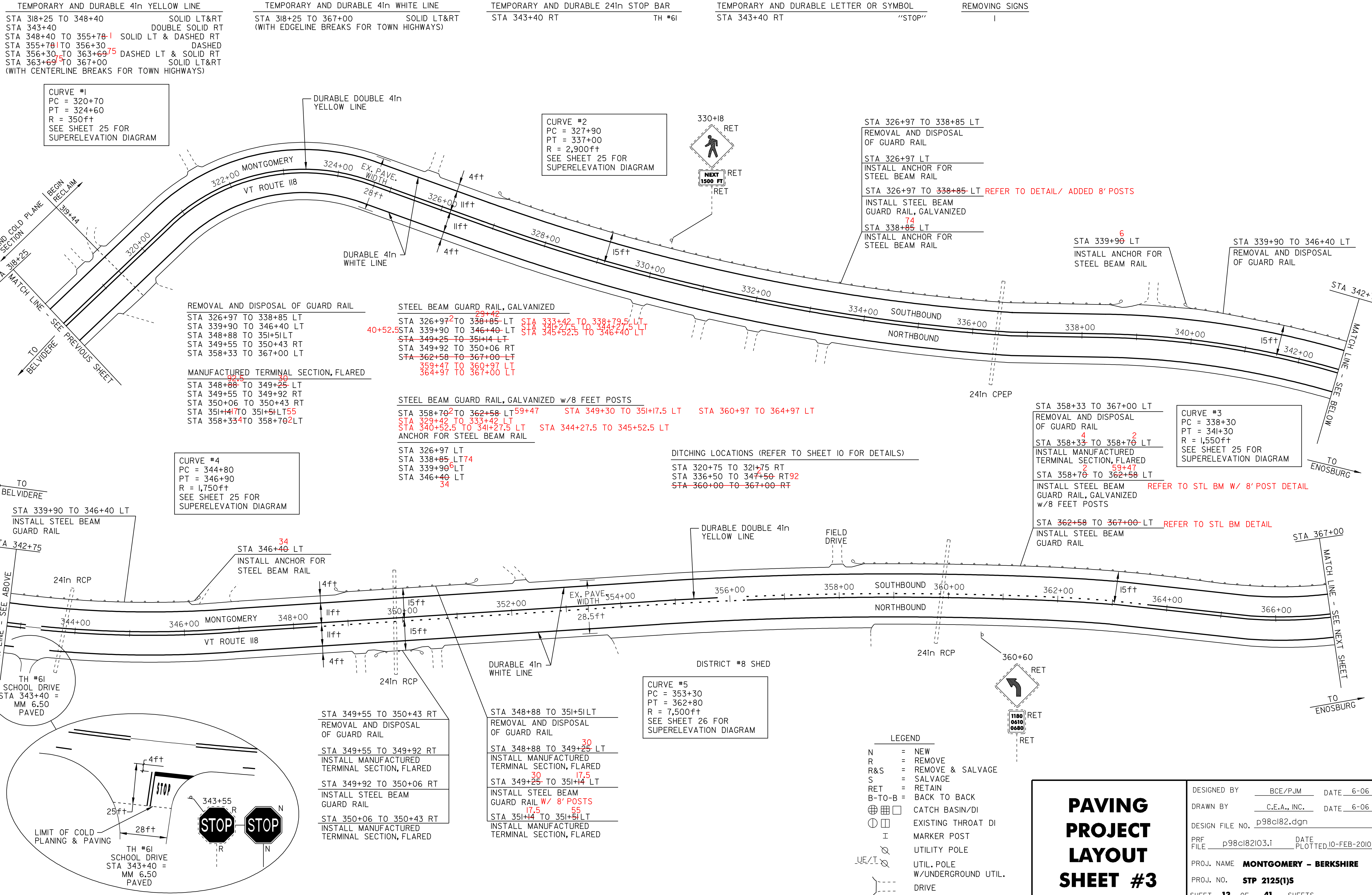
#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
11	4.0	YES	YES	6' OFF SIDEWALK

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-TO-B	= BACK TO BACK
	CATCH BASIN/DI
	EXISTING THROAT DI
	MARKER POST
	UTILITY POLE
	UTIL. POLE W/UNDERGROUND UTIL.
	DRIVE

PAVING
PROJECT
LAYOUT
SHEET #2

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82102.i	DATE PLOTTED	10-FEB-2010 14:
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	12	OF	41 SHEETS



TEMPORARY AND DURABLE 4in YELLOW LINE
STA 318+25 TO 348+40
SOLID LT&RT
STA 343+40
DOUBLE SOLID RT
STA 348+40 TO 355+78.1
SOLID LT & DASHED RT
STA 355+78.1 TO 356+30
DASHED
STA 356+30.5 TO 363+69.75
DASHED LT & SOLID RT
STA 363+69.75 TO 367+00
SOLID LT&RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 4in WHITE LINE
STA 318+25 TO 367+00
SOLID LT&RT
(WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 24in STOP BAR
STA 343+40 RT
TH #61

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA 343+40 RT
"STOP"

REMOVING SIGNS
I

CURVE #1
PC = 320+70
PT = 324+60
R = 350ft
SEE SHEET 25 FOR
SUPERELEVATION DIAGRAM

CURVE #2
PC = 327+90
PT = 337+00
R = 2,900ft
SEE SHEET 25 FOR
SUPERELEVATION DIAGRAM

STA 326+97 TO 338+85 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL
STA 326+97 LT
INSTALL ANCHOR FOR
STEEL BEAM RAIL
STA 326+97 TO 338+85 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
STA 338+85 LT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

STA 339+90 LT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

STA 339+90 TO 346+40 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL

REMOVAL AND DISPOSAL OF GUARD RAIL
STA 326+97 TO 338+85 LT
STA 339+90 TO 346+40 LT
STA 348+88 TO 351+51 LT
STA 349+55 TO 350+43 RT
STA 358+33 TO 367+00 LT

STEEL BEAM GUARD RAIL, GALVANIZED
STA 326+97 TO 338+85 LT
STA 339+90 TO 346+40 LT
STA 348+88 TO 351+51 LT
STA 349+55 TO 350+43 RT
STA 358+33 TO 367+00 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 348+88 TO 349+25 LT
STA 349+55 TO 349+92 RT
STA 350+06 TO 350+43 RT
STA 351+41 TO 351+51 LT
STA 358+33 TO 358+70 LT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 FEET POSTS
STA 358+70 TO 362+58 LT
STA 329+42 TO 333+42 LT
STA 340+52.5 TO 341+27.5 LT
ANCHOR FOR STEEL BEAM RAIL
STA 349+30 TO 351+7.5 LT
STA 344+27.5 TO 345+52.5 LT
STA 360+97 TO 364+97 LT

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)
STA 320+75 TO 321+75 RT
STA 336+50 TO 347+50 RT
STA 360+00 TO 367+00 RT

STA 358+33 TO 367+00 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL
STA 358+33 TO 358+70 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED
STA 358+70 TO 362+58 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
w/8 FEET POSTS
STA 362+58 TO 367+00 LT
INSTALL STEEL BEAM
GUARD RAIL

CURVE #3
PC = 338+30
PT = 341+30
R = 1,550ft
SEE SHEET 25 FOR
SUPERELEVATION DIAGRAM

CURVE #4
PC = 344+80
PT = 346+90
R = 1,750ft
SEE SHEET 25 FOR
SUPERELEVATION DIAGRAM

CURVE #5
PC = 353+30
PT = 362+80
R = 7,500ft
SEE SHEET 26 FOR
SUPERELEVATION DIAGRAM

- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-T-O-B = BACK TO BACK
 - ⊕ ⊞ ⊠ = CATCH BASIN/DI
 - ⊙ ⊞ = EXISTING THROAT DI
 - I = MARKER POST
 - ⊗ ⊞ = UTILITY POLE
 - ⊗ ⊞ = UTIL. POLE W/UNDERGROUND UTIL.
 - ⊗ ⊞ = DRIVE

PAVING PROJECT LAYOUT SHEET #3

DESIGNED BY BCE/PJM DATE 6-06
DRAWN BY C.E.A., INC. DATE 6-06
DESIGN FILE NO. p98cl82.dgn
PRF FILE p98cl82i03.i DATE PLOTTED 10-FEB-2010 14:
PROJ. NAME MONTGOMERY - BERKSHIRE
PROJ. NO. STP 2125(1)S
SHEET 13 OF 41 SHEETS

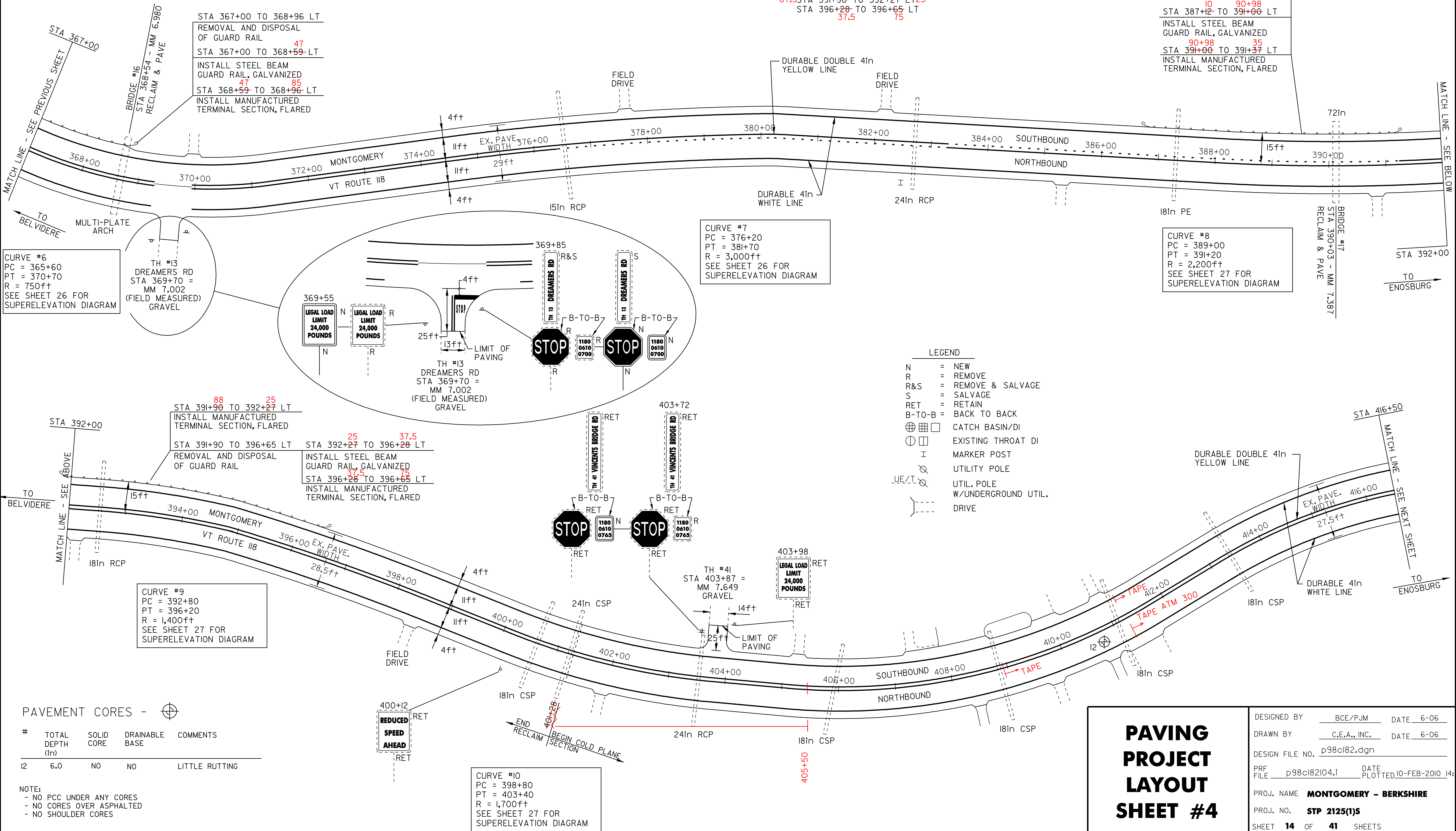
TEMPORARY AND DURABLE 4in YELLOW LINE
STA 367+00 TO 376+38 SOLID LT&RT
STA 369+70 DOUBLE SOLID RT
STA 376+38 TO 383+23 SOLID LT & DASHED RT
STA 383+23 TO 391+14 DASHED LT & SOLID RT
STA 391+14 TO 416+50 SOLID LT&RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)
TEMPORARY AND DURABLE 4in WHITE LINE
STA 367+00 TO 416+50 SOLID LT&RT
(WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

REMOVING SIGNS
5
YIELDING MARKER POST
STA 382+68 RT
TEMPORARY AND DURABLE 24in STOP BAR
STA 369+70 RT TH #13
TEMPORARY AND DURABLE LETTER OR SYMBOL
STA 369+70 RT "STOP"

REMOVAL AND DISPOSAL OF GUARD RAIL
STA 367+00 TO 368+96 LT
STA 367+00 TO 368+96 LT
STA 367+00 TO 368+59 LT
STA 368+59 TO 368+96 LT
STEEL BEAM GUARD RAIL, GALVANIZED
STA 367+00 TO 368+59 LT
STA 387+12 TO 391+00 LT
STA 392+27 TO 396+28 LT

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)
STA 367+00 TO 368+00 RT
STA 392+30 RO 403+50 RT
MANUFACTURED TERMINAL SECTION, FLARED
STA 368+59 TO 368+96 LT
STA 386+75 TO 387+12 LT
STA 391+00 TO 391+37 LT
STA 391+90 TO 392+27 LT
STA 396+28 TO 396+65 LT

STA 386+75 TO 387+12 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED
STA 386+75 TO 391+37 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL
STA 387+12 TO 391+00 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
STA 391+00 TO 391+37 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED



PAVEMENT CORES -

#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
12	6.0	NO	NO	LITTLE RUTTING

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

CURVE #10
PC = 398+80
PT = 403+40
R = 1,700ft
SEE SHEET 27 FOR
SUPERELEVATION DIAGRAM

PAVING PROJECT LAYOUT SHEET #4

DESIGNED BY
BCE/PJM
DATE
6-06

DRAWN BY
C.E.A., INC.
DATE
6-06

DESIGN FILE NO.
p98c182.dgn

PRF FILE
p98c182104.i
DATE
10-FEB-2010 14:

PROJ. NAME
MONTGOMERY - BERKSHIRE

PROJ. NO.
STP 2125(1)S

SHEET
14
OF
41
SHEETS

TEMPORARY AND DURABLE 4in YELLOW LINE
STA 416+50 TO 430+75 SOLID LT&RT
STA 422+82 DOUBLE SOLID RT
STA 425+71 DOUBLE SOLID RT
STA 427+89 DOUBLE SOLID RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 4in WHITE LINE
STA 416+50 TO 430+75 SOLID LT&RT
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)
DURABLE 8in WHITE LINE
STA 428+75 TO 430+00 PAINTED ISLAND

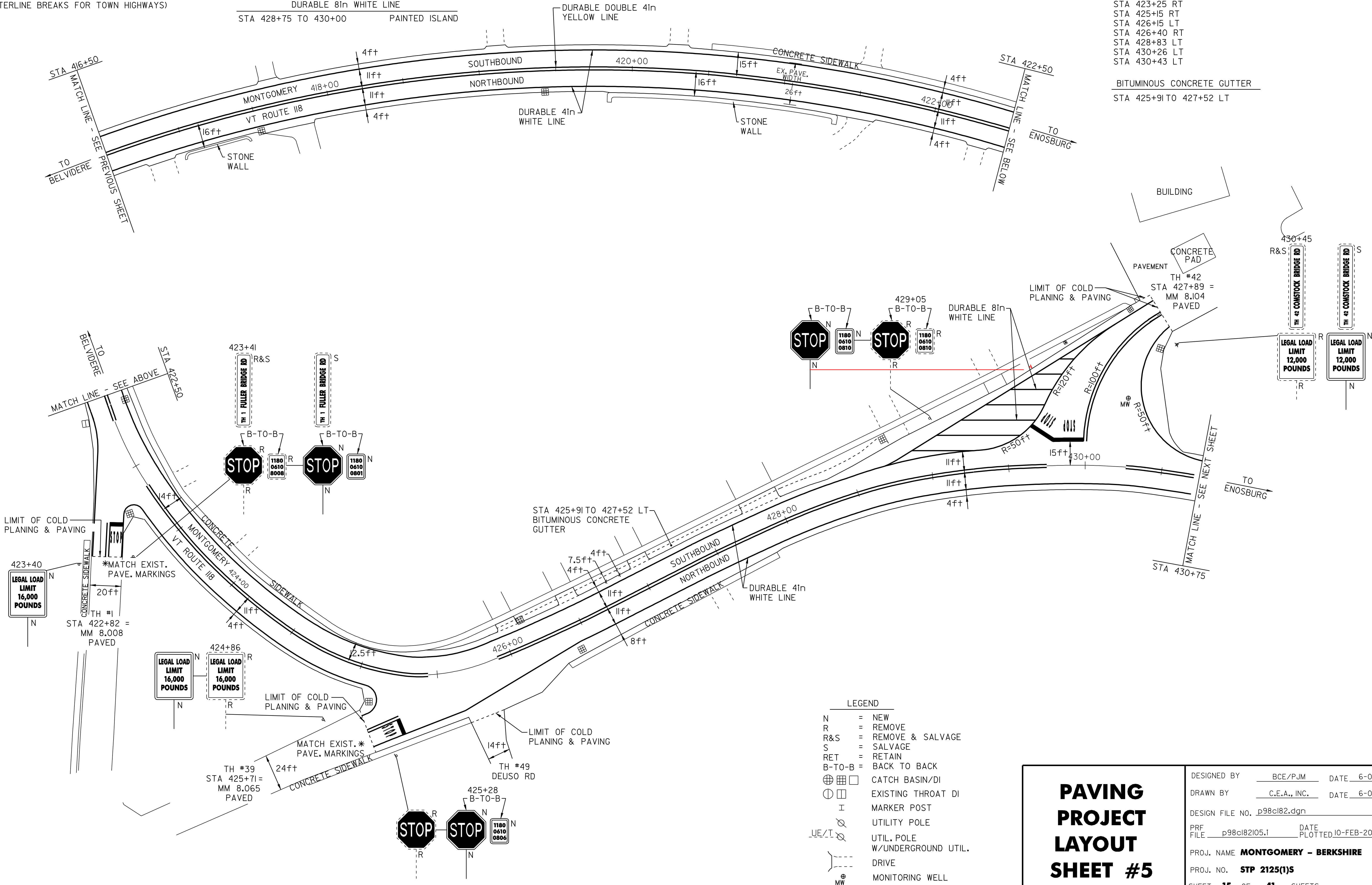
TEMPORARY AND DURABLE 24in STOP BAR
STA 422+82 RT TH #1
STA 425+71 RT TH #39
STA 427+89 LT TH #42

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA 422+82 RT "STOP"
STA 425+71 RT "STOP"
STA 427+89 LT 2-"STOP"

REMOVING SIGNS
9

REHABILITATION OF C.B.'S, D.I.'S, OR M.H.'S
STA 417+51 RT
STA 419+41 RT
STA 422+53 LT
~~STA 422+59 RT~~
STA 423+25 RT
STA 425+15 RT
STA 426+15 LT
STA 426+40 RT
STA 428+83 LT
STA 430+26 LT
STA 430+43 LT

BITUMINOUS CONCRETE GUTTER
STA 425+91 TO 427+52 LT



PAVING
PROJECT
LAYOUT
SHEET #5

DESIGNED BY

BCE/PJM

DATE

6-06

DRAWN BY

C.E.A., INC.

DATE

6-06

DESIGN FILE NO.

p98cl82.dgn

PRF FILE

p98cl82l05.1

DATE PLOTTED

10-FEB-2010 14:00

PROJ. NAME

MONTGOMERY - BERKSHIRE

PROJ. NO.

STP 2125(1)S

SHEET

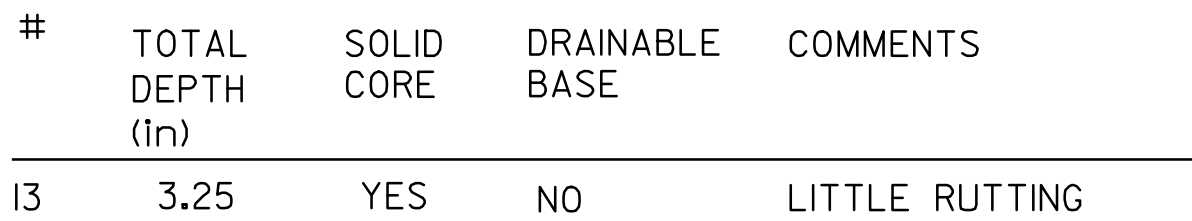
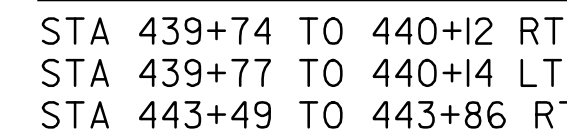
15

OF

41

SHEETS

DITCHING LOCATIONS
STA 443+53 - 444+25 LT



NOTE:

- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

STA 442+36 TO 443+86 RT	REMOVAL AND DISPOSAL OF GUARD RAIL
STA 442+36 TO 442+61 RT	INSTALL TERMINAL CONNECTOR
STA 442+61 TO 443+49 RT	INSTALL STEEL BEAM GUARD RAIL, GALVANIZED
STA 443+49 TO 443+86 RT	INSTALL MANUFACTURED TERMINAL SECTION, FLARED

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
		CATCH BASIN/DI
		EXISTING THROAT DI
		MARKER POST
		UTILITY POLE
		UTIL. POLE
		W/UNDERGROUND UTIL.
		DRIVE

PAVING PROJECT LAYOUT SHEET #6	DESIGNED BY	<u>BCE/PJM</u>	DATE	<u>6-06</u>
	DRAWN BY	<u>C.E.A., INC.</u>	DATE	<u>6-06</u>
	DESIGN FILE NO. <u>p98cl82.dgn</u>			
	PRF		DATE	
	FILE	<u>p98cl82l06.i</u>	PLOTTED	<u>10-FEB-2010 14:</u>
PROJ. NAME MONTGOMERY - BERKSHIRE				
PROJ. NO. STP 2125(1)S				
SHEET 16 OF 41 SHEETS				

TEMPORARY AND DURABLE 4in YELLOW LINE

STA 444+25 TO 456+00 SOLID LT&RT
STA 448+27 DOUBLE SOLID LT
STA 451+12 DOUBLE SOLID LT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 4in WHITE LINE

STA 444+25 TO 456+00 SOLID LT&RT
(WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 24in STOP BAR

STA 448+27 LT HILL WEST RD
STA 451+12 LT WEST HILL RD

TEMPORARY AND DURABLE LETTER OR SYMBOL

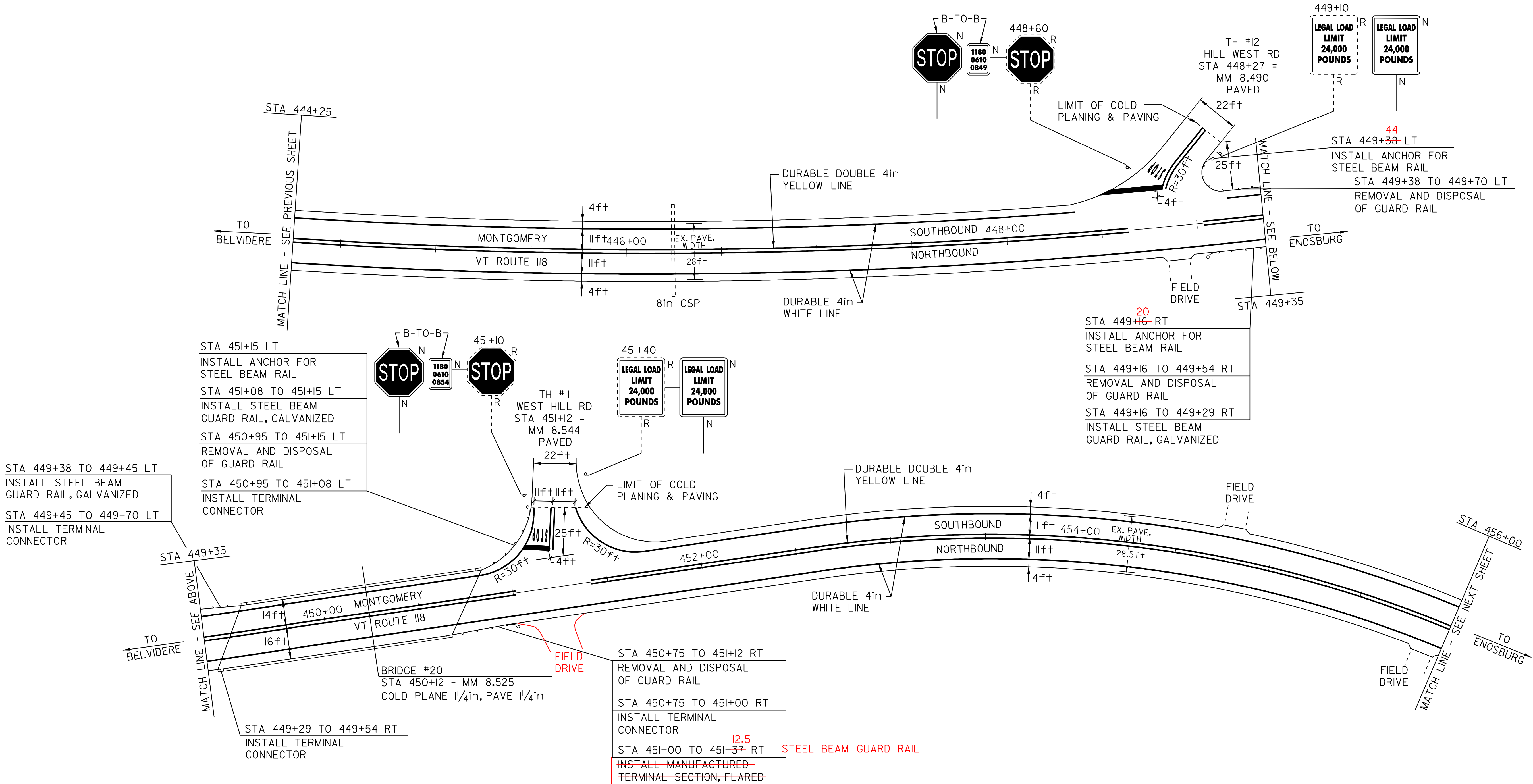
STA 448+27 LT "STOP"
STA 451+12 LT "STOP"

REMOVING SIGNS

4

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)

STA ~~446+20 TO 448+20~~ LT
444+25 TO 446+72 LT



REMOVAL AND DISPOSAL OF GUARD RAIL

STA 449+16 TO 449+54 RT
STA 449+38 TO 449+70 LT
STA 450+75 TO 451+12 RT
STA 450+95 TO 451+15 LT

TERMINAL CONNECTOR FOR S.B. GUARD RAIL

STA 449+29 TO 449+54 RT
STA 449+45 TO 449+70 LT
STA 450+75 TO 451+00 RT
STA 450+95 TO 451+08 LT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 449+16 TO 449+29 RT
STA 449+38 TO 449+45 LT
STA 451+08 TO 451+15 LT
STA 451+00 TO 451+12.5 RT

ANCHOR FOR STEEL BEAM RAIL

STA 449+16 RT ²⁰
STA 449+38 LT ⁴⁴
STA 451+15 LT
STA 451+07 RT
MANUFACTURED TERMINAL SECTION, FLARED

~~STA 451+00 TO 451+37 RT~~

STA 450+75 TO 451+12 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 450+75 TO 451+00 RT
INSTALL TERMINAL
CONNECTOR

STA 451+00 TO 451+37 RT
STEEL BEAM GUARD RAIL
~~INSTALL MANUFACTURED
TERMINAL SECTION, FLARED~~

STA 451+07 RT
ANCHOR FOR STEEL BEAM RAIL

LEGEND

- N = NEW
- R = REMOVE
- R&S = REMOVE & SALVAGE
- S = SALVAGE
- RET = RETAIN
- B-TO-B = BACK TO BACK
- ⊕ ⊞ ⊠ CATCH BASIN/DI
- ⊙ ⊠ EXISTING THROAT DI
- ⊥ MARKER POST
- ⊗ UTILITY POLE
- ⊗ UTIL. POLE W/UNDERGROUND UTIL.
- DRIVE

PAVING
PROJECT
LAYOUT
SHEET #7

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

DESIGN FILE NO. p98cl82.dgn

PRF FILE p98cl82107.1 DATE PLOTTED 10-FEB-2010 14:

PROJ. NAME MONTGOMERY - BERKSHIRE

PROJ. NO. STP 2125(1)S

SHEET 17 OF 41 SHEETS

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)

STA 465+75 TO 483+50 RT 464+48 TO 468+97 RT
STA 484+60 TO 502+00 RT 476+66 TO 482+50 RT
492+00 TO 496+00 RT

TEMPORARY AND DURABLE 4in YELLOW LINE

STA 456+00 TO 502+00 SOLID LT&RT
STA 481+00 DOUBLE SOLID LT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY AND DURABLE 24in STOP BAR

STA 481+00 LT HILL WEST RD

TEMPORARY AND DURABLE LETTER OR SYMBOL

STA 481+00 LT "STOP"

TEMPORARY AND DURABLE 4in WHITE LINE

STA 456+00 TO 502+00 SOLID LT&RT
(WITH EDGE LINE BREAKS FOR TOWN HIGHWAYS)

YIELDING MARKER POST

STA 469+76 LT
STA 471+63 LT

CURVE #12
PC = 474+00
PT = 479+70
R = 1,700ft
SEE SHEET 27 FOR
SUPERELEVATION DIAGRAM

CURVE #11
PC = 456+00
PT = 461+40
R = 585ft
SEE SHEET 27 FOR
SUPERELEVATION DIAGRAM

CURVE #13
PC = 483+90
PT = 486+60
R = 1,200ft
SEE SHEET 28 FOR
SUPERELEVATION DIAGRAM

CURVE #14
PC = 488+50
PT = 492+40
R = 750ft
SEE SHEET 28 FOR
SUPERELEVATION DIAGRAM

CURVE #16
PC = 497+40
PT = 501+70
R = 500ft
SEE SHEET 28 FOR
SUPERELEVATION DIAGRAM

CURVE #15
PC = 493+80
PT = 496+20
R = 750ft
SEE SHEET 28 FOR
SUPERELEVATION DIAGRAM

PAVEMENT CORES -

#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
14	7.5	YES	NO	NO RUTTING
15	6.0	NO	NO	LEVELED AREA

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

REMOVAL AND DISPOSAL OF GUARD RAIL

STA 481+82 TO 484+94 LT
STA 485+71 TO 492+09 LT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 482+19 TO 484+57 LT
STA 486+08 TO 491+72 LT
STA 490+71 TO 491+46 LT & 491+71 TO 492+71 LT
MANUFACTURED TERMINAL SECTION, FLARED

STA 481+82 TO 482+19 LT
STA 484+57 TO 484+94 LT
STA 485+71 TO 486+08 LT
STA 491+72 TO 492+09 LT

STEEL BEAM GUARD RAIL W/ 8' POSTS

STA 484+07 TO 484+57 LT
STA 486+08 TO 486+34 LT
STA 489+71 TO 490+71 LT
STA 491+46 TO 491+72 LT

LEGEND

N = NEW
R = REMOVE
R&S = REMOVE & SALVAGE
S = SALVAGE
RET = RETAIN
B-TO-B = BACK TO BACK
CATCH BASIN/DI
EXISTING THROAT DI
MARKER POST
UTILITY POLE
UTIL. POLE
W/UNDERGROUND UTIL.
DRIVE

PAVING
PROJECT
LAYOUT
SHEET #8

DESIGNED BY BCE/PJM DATE 6-06

DRAWN BY C.E.A., INC. DATE 6-06

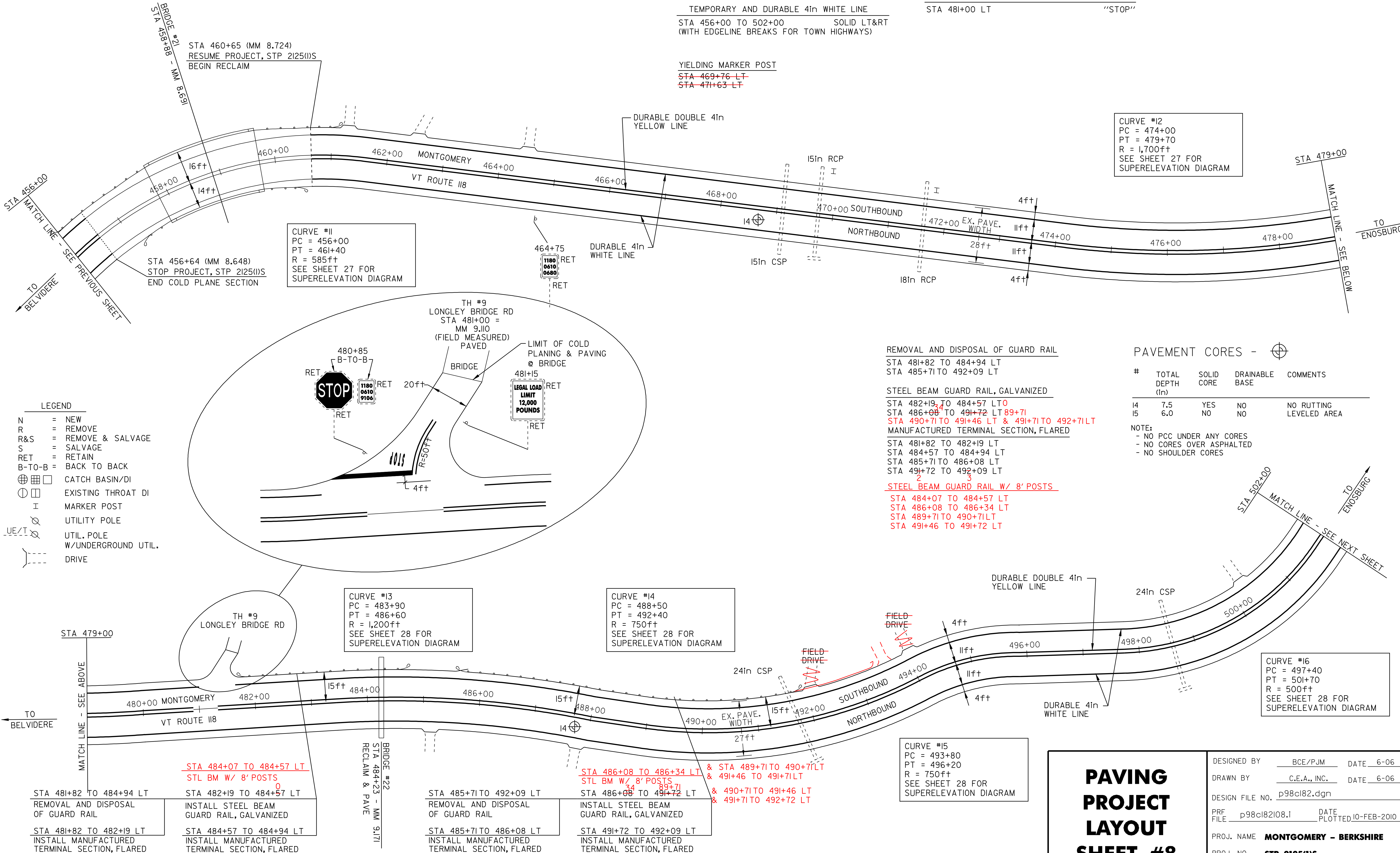
DESIGN FILE NO. p98cl82.dgn

PRF FILE p98cl82108.1 DATE PLOTTED 10-FEB-2010 14:

PROJ. NAME MONTGOMERY - BERKSHIRE

PROJ. NO. STP 2125(1)S

SHEET 18 OF 41 SHEETS



TEMPORARY AND DURABLE 4in YELLOW LINE

STA 502+00 TO 535+79 SOLID LT&RT
STA 535+79 TO 542+64 05 SOLID LT & DASHED RT
STA 542+64 TO 547+40 77 DASHED
STA 547+40 77 TO 547+75 DASHED LT & SOLID RT

TEMPORARY AND DURABLE 4in WHITE LINE

STA 502+00 TO 547+75 SOLID LT&RT

CURVE #17
PC = 506+10
PT = 510+00
R = 7,500ft
SEE SHEET 28 FOR
SUPERELEVATION DIAGRAM

STA 511+49 TO 512+74 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

STA 511+49 TO 517+49 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 511+42 TO 511+49 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 512+74 TO 516+49 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
w/8 FEET POSTS

STA 516+49 TO 517+42 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

STA 517+42 TO 517+49 LT
INSTALL MANUFACTURED
TERMINAL SECTION

CURVE #18
PC = 517+40
PT = 526+60
R = 725ft
SEE SHEET 29 FOR
SUPERELEVATION DIAGRAM

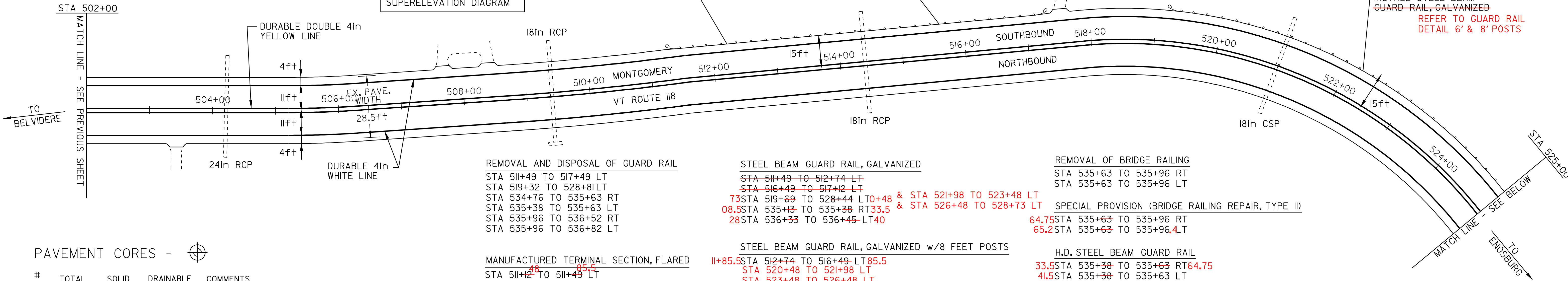
STA 519+32 TO 519+69 LT

INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 519+32 TO 528+81 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 519+69 TO 528+44 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

REFER TO GUARD RAIL
DETAIL 6' & 8' POSTS



PAVEMENT CORES -

#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
16	5.5	YES	NO	LEVELED AREA

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

REMOVAL AND DISPOSAL OF GUARD RAIL

STA 511+49 TO 517+49 LT
STA 519+32 TO 528+81 LT
STA 534+76 TO 535+63 RT
STA 535+38 TO 535+63 LT
STA 535+96 TO 536+52 RT
STA 535+96 TO 536+82 LT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 511+49 TO 512+74 LT
STA 516+49 TO 517+42 LT
STA 519+69 TO 528+44 LT
STA 523+48 TO 526+48 LT
ANCHOR FOR STEEL BEAM RAIL
STA 535+38 LT

REMOVAL OF BRIDGE RAILING

STA 535+63 TO 535+96 RT
STA 535+63 TO 535+96 LT

SPECIAL PROVISION (BRIDGE RAILING REPAIR, TYPE II)

STA 535+63 TO 535+96 RT
STA 535+63 TO 535+96 LT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 FEET POSTS

STA 512+74 TO 516+49 LT
STA 520+48 TO 521+98 LT
STA 523+48 TO 526+48 LT
ANCHOR FOR STEEL BEAM RAIL
STA 535+38 LT

H.D. STEEL BEAM GUARD RAIL

STA 535+38 TO 535+63 RT
STA 535+38 TO 535+63 LT
STA 535+96 TO 536+33 RT
STA 535+96 TO 536+33 LT

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)

STA 502+00 TO 504+20 RT
STA 508+70 TO 516+00 RT

STA 535+63 TO 535+96 LT

REMOVAL OF BRIDGE RAILING

STA 535+38 TO 535+63 LT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 535+38 TO 535+63 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 535+38 LT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

STA 535+63 TO 535+96 LT

INSTALL SPECIAL PROVISION
(BRIDGE RAILING REPAIR,
TYPE II)

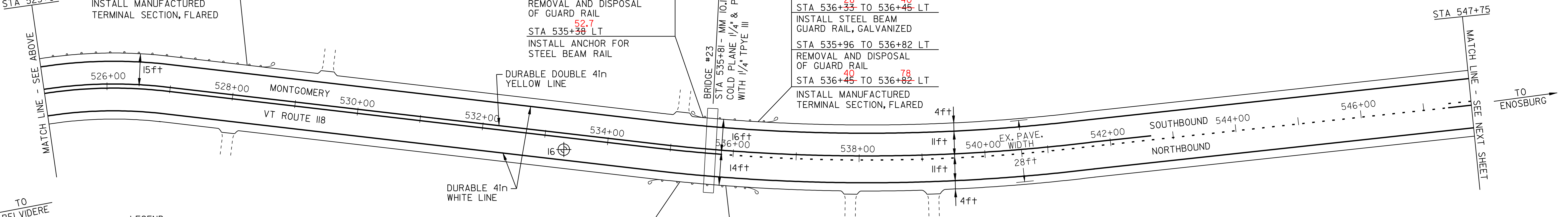
STA 535+96 TO 536+33 LT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 536+33 TO 536+45 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

STA 535+96 TO 536+82 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 536+45 TO 536+82 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 528+44 TO 528+81 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED



LEGEND

- N = NEW
- R = REMOVE
- R&S = REMOVE & SALVAGE
- S = SALVAGE
- RET = RETAIN
- B-TO-B = BACK TO BACK
- CATCH BASIN/DI
- EXISTING THROAT DI
- MARKER POST
- UTILITY POLE
- UTIL. POLE W/UNDERGROUND UTIL.
- DRIVE

STA 534+76 TO 535+38 RT

INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 534+76 TO 535+63 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 535+38 TO 535+38 RT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

STA 535+38 TO 535+63 RT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 535+63 TO 535+96 RT
REMOVAL OF BRIDGE RAILING

STA 536+33 TO 536+70 RT

INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 535+96 TO 536+52 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL

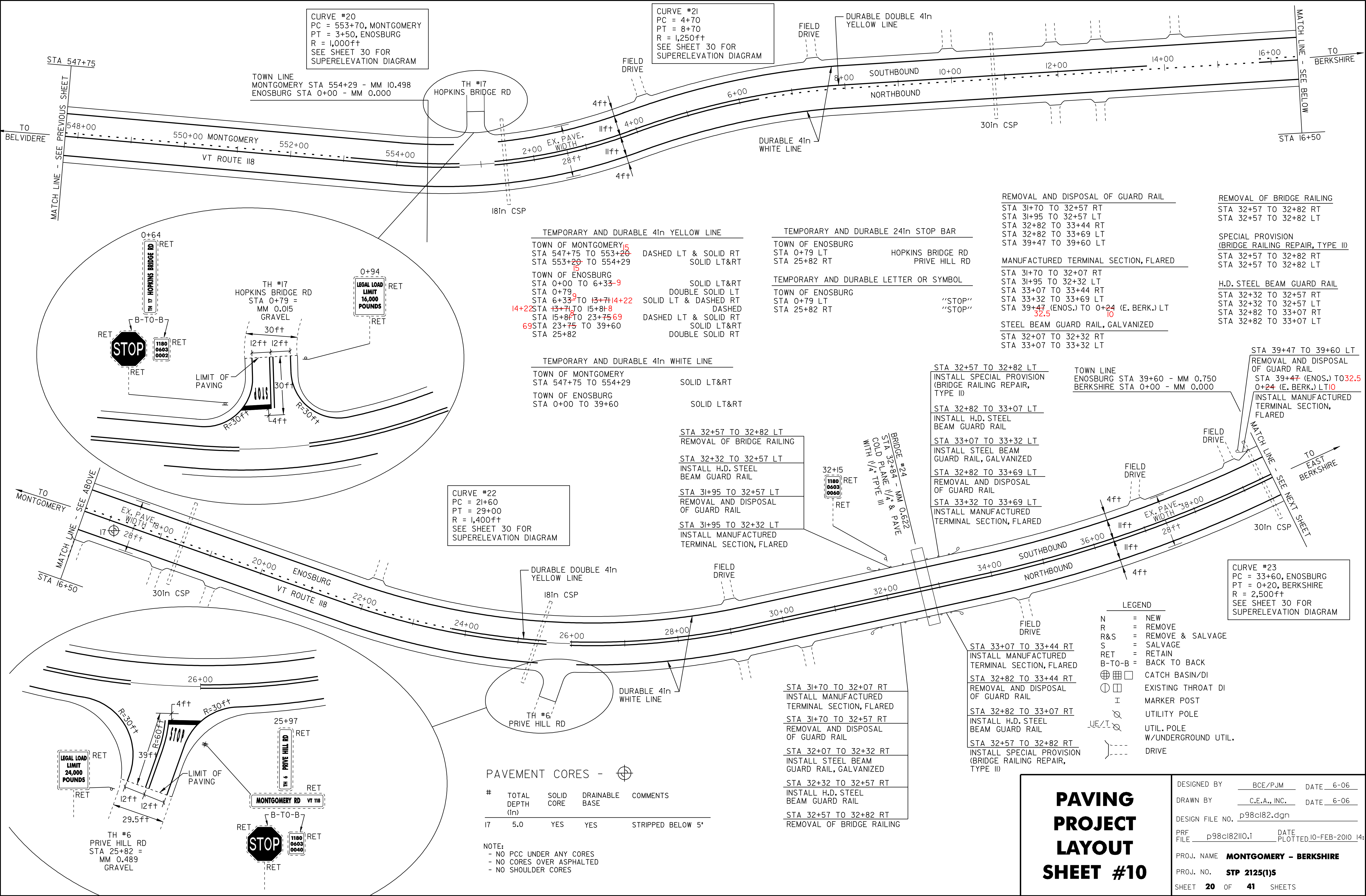
STA 535+96 TO 536+33 RT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 535+63 TO 535+96 RT
INSTALL SPECIAL PROVISION
(BRIDGE RAILING REPAIR,
TYPE II)

CURVE #19
PC = 534+80
PT = 540+40
R = 2,500ft
SEE SHEET 29 FOR
SUPERELEVATION DIAGRAM

PAVING
PROJECT
LAYOUT
SHEET #9

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82109.i	DATE PLOTTED	10-FEB-2010 14:00
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	19	OF	41 SHEETS



CURVE #20
PC = 553+70, MONTGOMERY
PT = 3+50, ENOSBURG
R = 1,000ft+
SEE SHEET 30 FOR
SUPERELEVATION DIAGRAM

CURVE #21
PC = 4+70
PT = 8+70
R = 1,250ft+
SEE SHEET 30 FOR
SUPERELEVATION DIAGRAM

CURVE #22
PC = 21+60
PT = 29+00
R = 1,400ft+
SEE SHEET 30 FOR
SUPERELEVATION DIAGRAM

CURVE #23
PC = 33+60, ENOSBURG
PT = 0+20, BERKSHIRE
R = 2,500ft+
SEE SHEET 30 FOR
SUPERELEVATION DIAGRAM

PAVEMENT CORES -

#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
17	5.0	YES	YES	STRIPPED BELOW 5"

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

REMOVAL AND DISPOSAL OF GUARD RAIL

STA 31+70 TO 32+57 RT
STA 31+95 TO 32+57 LT
STA 32+82 TO 33+44 RT
STA 32+82 TO 33+69 LT
STA 39+47 TO 39+60 LT

REMOVAL OF BRIDGE RAILING

STA 32+57 TO 32+82 RT
STA 32+57 TO 32+82 LT

SPECIAL PROVISION
(BRIDGE RAILING REPAIR, TYPE II)

STA 32+57 TO 32+82 RT
STA 32+57 TO 32+82 LT

H.D. STEEL BEAM GUARD RAIL

STA 32+32 TO 32+57 RT
STA 32+32 TO 32+57 LT
STA 32+82 TO 33+07 RT
STA 32+82 TO 33+07 LT

MANUFACTURED TERMINAL SECTION, FLARED

STA 31+70 TO 32+07 RT
STA 31+95 TO 32+32 LT
STA 33+07 TO 33+44 RT
STA 33+32 TO 33+69 LT
STA 39+47 (ENOS.) TO 0+24 (E. BERK.) LT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 32+07 TO 32+32 RT
STA 33+07 TO 33+32 LT

STA 32+57 TO 32+82 LT
INSTALL SPECIAL PROVISION
(BRIDGE RAILING REPAIR,
TYPE II)

STA 32+82 TO 33+07 LT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 33+07 TO 33+32 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

STA 32+82 TO 33+69 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 33+32 TO 33+69 LT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

TOWN LINE
ENOSBURG STA 39+60 - MM 0.750
BERKSHIRE STA 0+00 - MM 0.000

STA 39+47 TO 39+60 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL
STA 39+47 (ENOS.) TO 32.5
0+24 (E. BERK.) LT

INSTALL MANUFACTURED
TERMINAL SECTION,
FLARED

LEGEND

- N = NEW
- R = REMOVE
- R&S = REMOVE & SALVAGE
- S = SALVAGE
- RET = RETAIN
- B-T-O-B = BACK TO BACK
- ⊕ ⊞ ⊠ CATCH BASIN/DI
- ⊙ ⊠ EXISTING THROAT DI
- ⊥ MARKER POST
- ⊗ UTILITY POLE
- ⊗ UTIL. POLE
- ⊗ W/UNDERGROUND UTIL.
- DRIVE

STA 33+07 TO 33+44 RT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 32+82 TO 33+44 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 32+82 TO 33+07 RT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 32+57 TO 32+82 RT
INSTALL SPECIAL PROVISION
(BRIDGE RAILING REPAIR,
TYPE II)

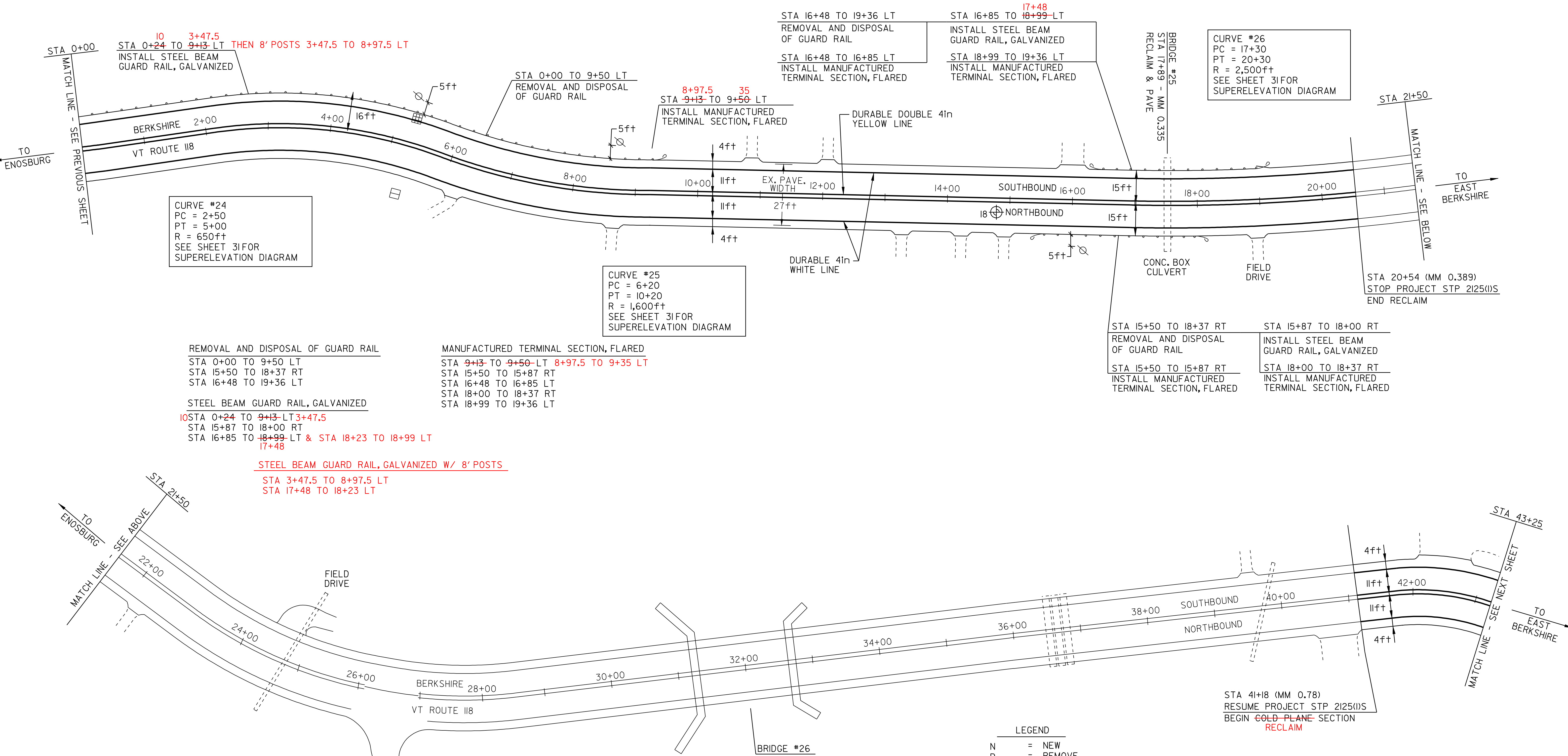
STA 31+70 TO 32+07 RT
INSTALL MANUFACTURED
TERMINAL SECTION, FLARED

STA 31+70 TO 32+57 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL

STA 32+07 TO 32+32 RT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED

STA 32+32 TO 32+57 RT
INSTALL H.D. STEEL
BEAM GUARD RAIL

STA 32+57 TO 32+82 RT
REMOVAL OF BRIDGE RAILING



PAVEMENT CORES - 				
#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
18	5.0	NO	YES	3" SOLID CORE

NOTE:

- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 -  CATCH BASIN/DI
 -  EXISTING THROAT DI
 -  MARKER POST
 -  UTILITY POLE
 -  UTIL. POLE W/UNDERGROUND UTIL.
 -  DRIVE

PAVING
PROJECT
LAYOUT
SHEET #11

DESIGNED BY BCE/PJM DATE 6-06
DRAWN BY C.E.A., INC. DATE 6-06
DESIGN FILE NO. p98c182.dgn
PRF FILE p98c182III.i DATE 10-FEB-2010 14:30
PROJ. NAME **MONTGOMERY - BERKSHIRE**
PROJ. NO. **STP 2125(1)S**
SHEET **21** OF **41** SHEETS

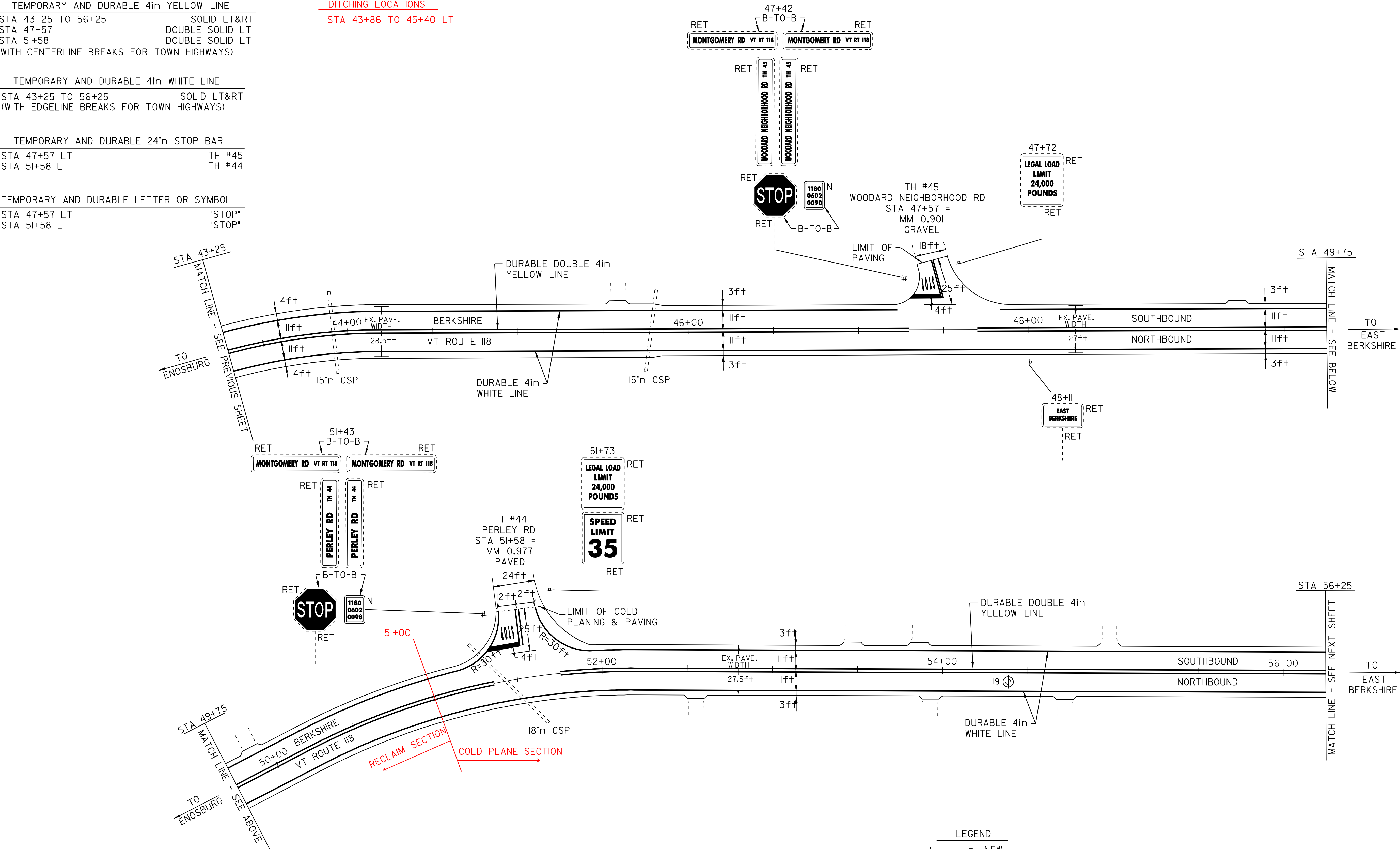
TEMPORARY AND DURABLE 4in YELLOW LINE	
STA 43+25 TO 56+25	SOLID LT&RT
STA 47+57	DOUBLE SOLID LT
STA 51+58	DOUBLE SOLID LT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)	

TEMPORARY AND DURABLE 4in WHITE LINE	
STA 43+25 TO 56+25	SOLID LT&RT
(WITH EDGETLINE BREAKS FOR TOWN HIGHWAYS)	

TEMPORARY AND DURABLE 24in STOP BAR		
STA 47+57 LT	TH #45	
STA 51+58 LT	TH #44	

TEMPORARY AND DURABLE LETTER OR SYMBOL		
STA 47+57 LT	"STOP"	
STA 51+58 LT	"STOP"	

DITCHING LOCATIONS
STA 43+86 TO 45+40 LT



PAVEMENT CORES -

#	TOTAL DEPTH (in)	SOLID CORE	DRAINABLE BASE	COMMENTS
19	6.5	YES	NO	VILLAGE AREA

NOTE:
- NO PCC UNDER ANY CORES
- NO CORES OVER ASPHALTED
- NO SHOULDER CORES

LEGEND	
N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-T-O-B	= BACK TO BACK
⊕	CATCH BASIN/DI
⊕	EXISTING THROAT DI
I	MARKER POST
⊗	UTILITY POLE
⊗	UTIL. POLE W/UNDERGROUND UTIL.
---	DRIVE

PAVING
PROJECT
LAYOUT
SHEET #12

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82l2.1	DATE PLOTTED	10-FEB-2010 14:00
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	22	OF	41 SHEETS

TEMPORARY AND DURABLE 4in YELLOW LINE

STA 56+25 TO 69+25

SOLID LT&RT

TEMPORARY AND DURABLE 4in WHITE LINE

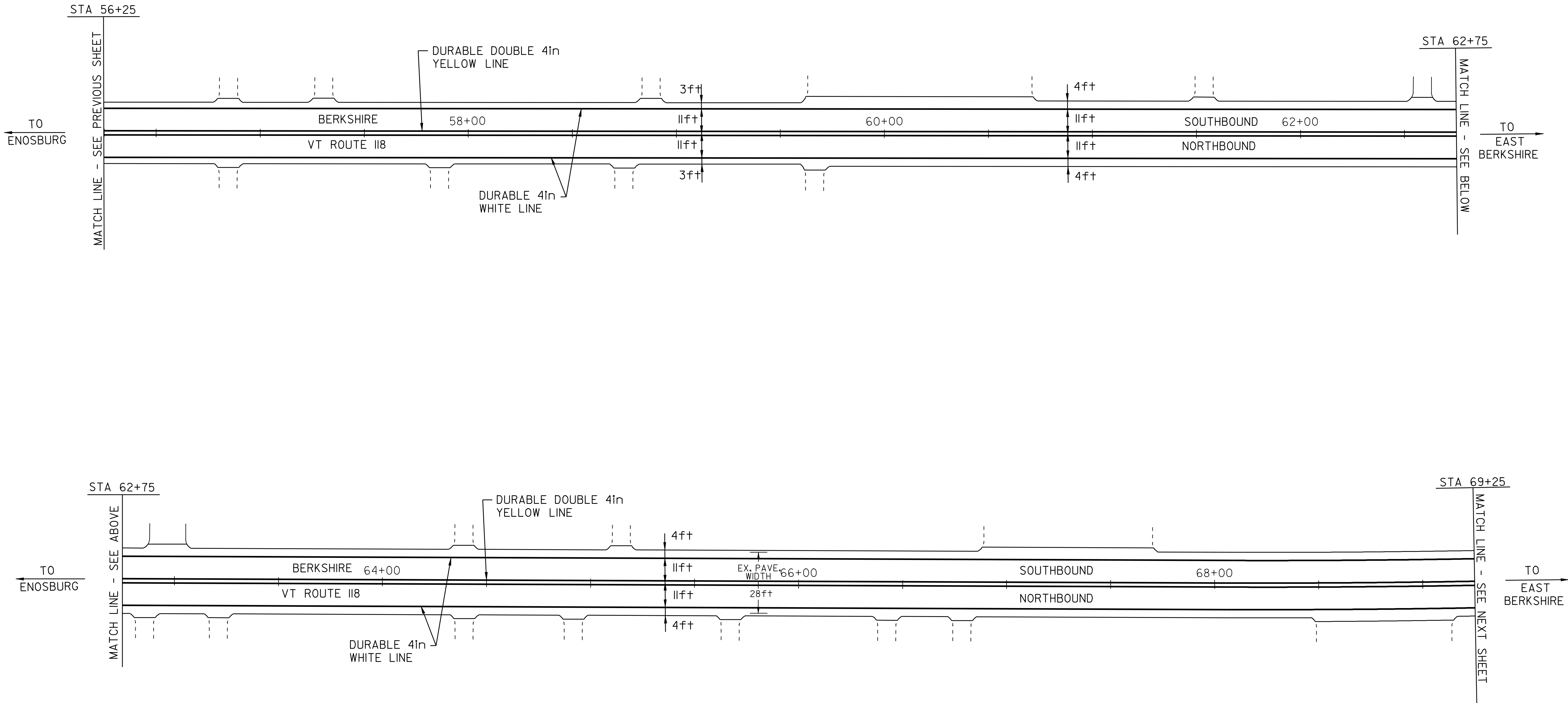
STA 56+25 TO 69+25

SOLID LT&RT

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)

STA ~~68+50~~ TO 69+25 LT

67+72



- LEGEND
- N

=

NEW
- R

=

REMOVE
- R&S

=

REMOVE & SALVAGE
- S

=

SALVAGE
- RET

=

RETAIN
- B-TO-B

=

BACK TO BACK
- =

CATCH BASIN/DI
- =

EXISTING THROAT DI
- =

MARKER POST
- =

UTILITY POLE
- =

UTIL. POLE W/UNDERGROUND UTIL.
- =

DRIVE

PAVING
PROJECT
LAYOUT
SHEET #13

DESIGNED BY

BCE/PJM

DATE

6-06

DRAWN BY

C.E.A., INC.

DATE

6-06

DESIGN FILE NO.

p98cl82.dgn

PRF FILE

p98cl82i3.i

DATE PLOTTED

10-FEB-2010 14:00

PROJ. NAME

MONTGOMERY - BERKSHIRE

PROJ. NO.

STP 2125(1)S

SHEET

23

OF

41

SHEETS

TEMPORARY AND DURABLE 4in YELLOW LINE
STA 69+25 TO 82+47
SOLID LT&RT

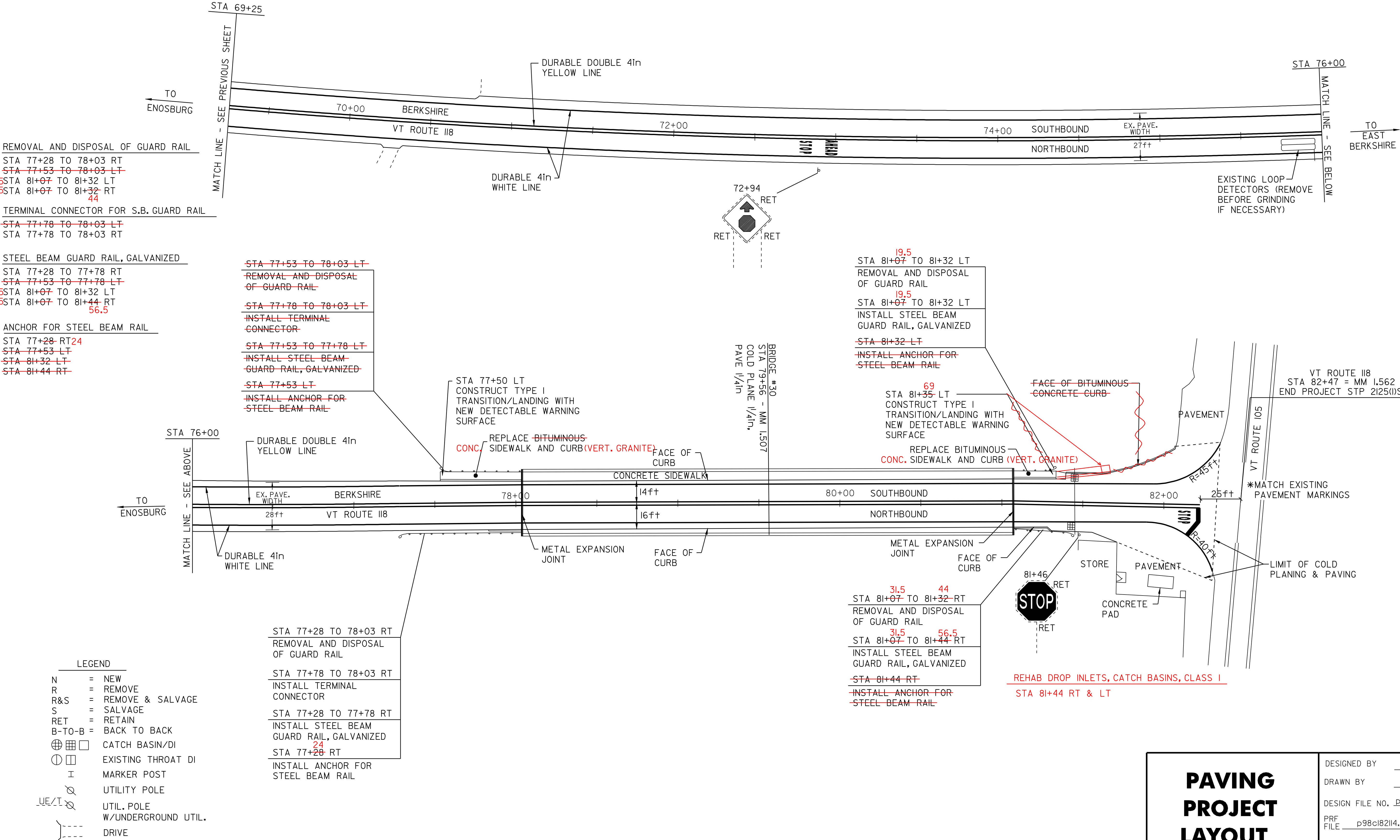
TEMPORARY AND DURABLE 4in WHITE LINE
STA 69+25 TO 82+47
SOLID LT&RT

TEMPORARY AND DURABLE LETTER OR SYMBOL
STA 72+94 RT
STA 82+15 RT
"STOP AHEAD"
"STOP"

TEMPORARY AND DURABLE 24in STOP BAR
STA 82+15 RT
VT ROUTE 105

DITCHING LOCATIONS (REFER TO SHEET 10 FOR DETAILS)
STA 69+25 TO ~~72+00~~ LT
~~69+93~~

CHANGE ELEVATION OF C.B.'S, D.I.'S, OR M.H.'S
STA 81+46 LT&RT



REMOVAL AND DISPOSAL OF GUARD RAIL

STA 77+28 TO 78+03 RT
STA 77+53 TO 78+03 LT
19.5 STA 81+07 TO 81+32 LT
31.5 STA 81+07 TO 81+32 RT

TERMINAL CONNECTOR FOR S.B. GUARD RAIL
STA 77+78 TO 78+03 LT
STA 77+78 TO 78+03 RT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 77+28 TO 77+78 RT
STA 77+53 TO 77+78 LT
19.5 STA 81+07 TO 81+32 LT
31.5 STA 81+07 TO 81+44 RT

ANCHOR FOR STEEL BEAM RAIL

STA 77+28 RT
STA 77+53 LT
STA 81+32 LT
STA 81+44 RT

STA 77+53 TO 78+03 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL
STA 77+78 TO 78+03 LT
INSTALL TERMINAL
CONNECTOR
STA 77+53 TO 77+78 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
STA 77+53 LT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

19.5
STA 81+07 TO 81+32 LT
REMOVAL AND DISPOSAL
OF GUARD RAIL
19.5
STA 81+07 TO 81+32 LT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
STA 81+32 LT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

69
STA 81+35 LT
CONSTRUCT TYPE I
TRANSITION/LANDING WITH
NEW DETECTABLE WARNING
SURFACE
REPLACE BITUMINOUS
CONC. SIDEWALK AND CURB (VERT. GRANITE)

31.5 44
STA 81+07 TO 81+32 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL
31.5 56.5
STA 81+07 TO 81+44 RT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
STA 81+44 RT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

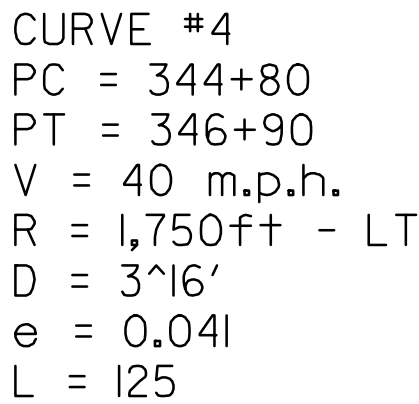
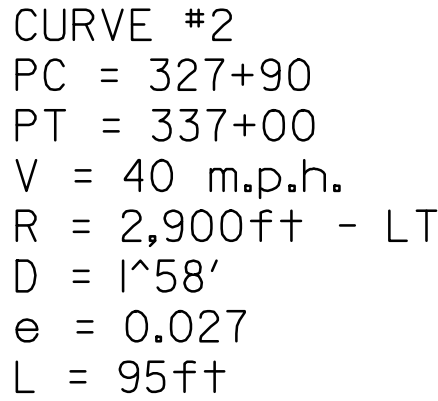
REHAB DROP INLETS, CATCH BASINS, CLASS I
STA 81+44 RT & LT

- LEGEND
- N = NEW
 - R = REMOVE
 - R&S = REMOVE & SALVAGE
 - S = SALVAGE
 - RET = RETAIN
 - B-TO-B = BACK TO BACK
 - CATCH BASIN/DI
 - EXISTING THROAT DI
 - MARKER POST
 - UTILITY POLE
 - UTIL. POLE
 - W/UNDERGROUND UTIL.
 - DRIVE

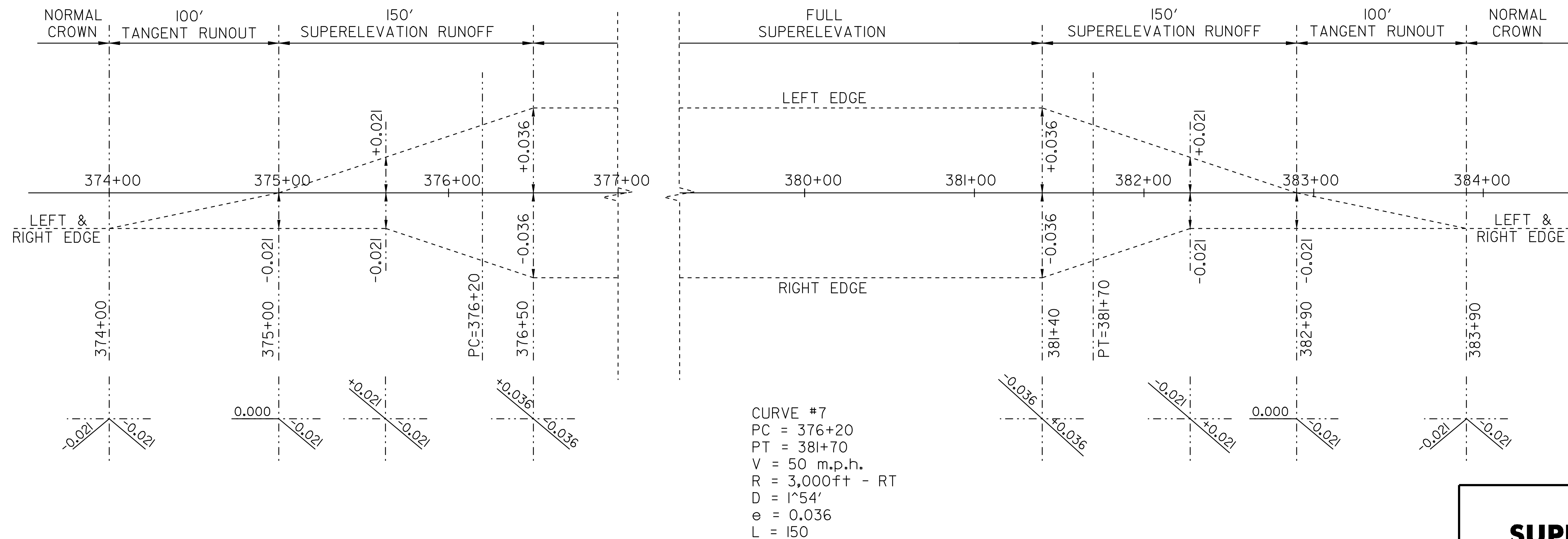
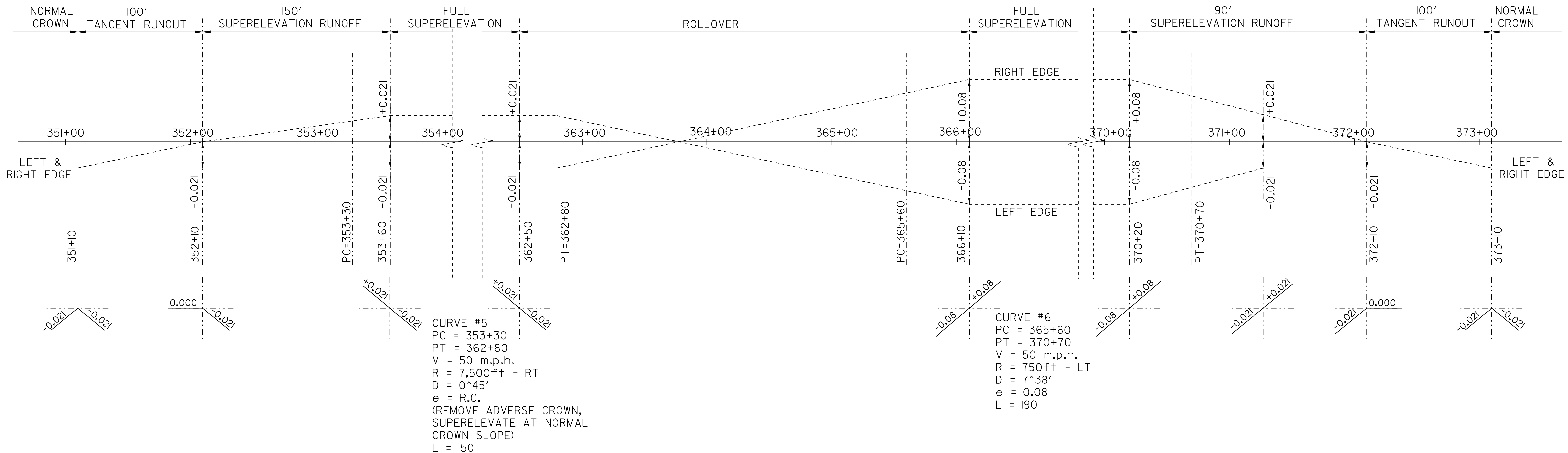
STA 77+28 TO 78+03 RT
REMOVAL AND DISPOSAL
OF GUARD RAIL
STA 77+78 TO 78+03 RT
INSTALL TERMINAL
CONNECTOR
STA 77+28 TO 77+78 RT
INSTALL STEEL BEAM
GUARD RAIL, GALVANIZED
STA 77+28 RT
INSTALL ANCHOR FOR
STEEL BEAM RAIL

PAVING
PROJECT
LAYOUT
SHEET #14

DESIGNED BY BCE/PJM DATE 6-06
DRAWN BY C.E.A., INC. DATE 6-06
DESIGN FILE NO. p98cl82.dgn
PRF FILE p98cl82i14.i DATE PLOTTED 10-FEB-2010 14:
PROJ. NAME MONTGOMERY - BERKSHIRE
PROJ. NO. STP 2125(1)S
SHEET 24 OF 41 SHEETS

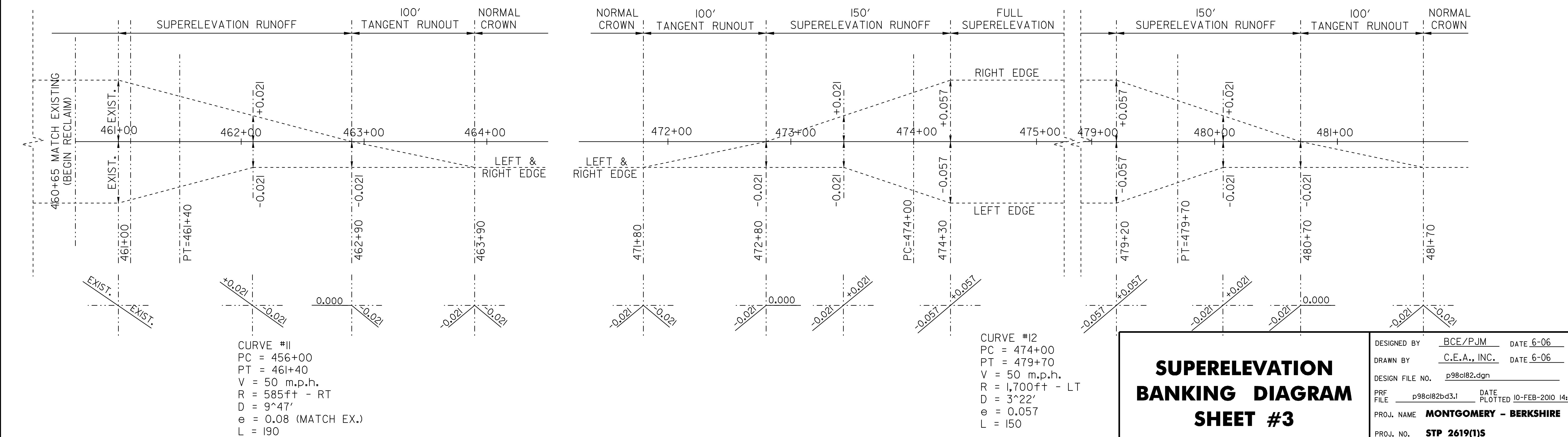
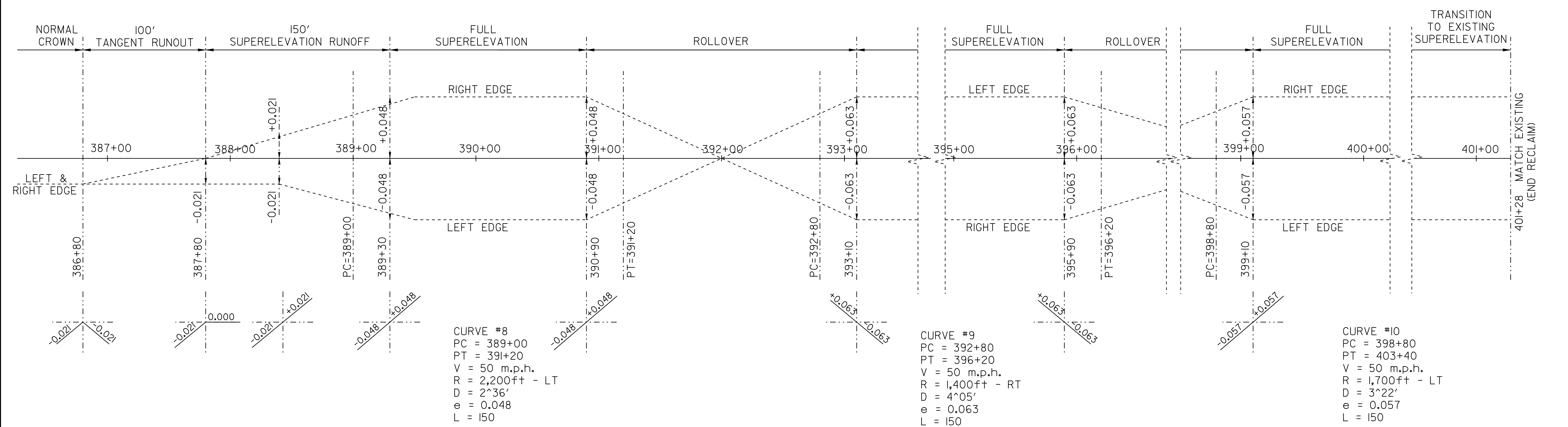


DESIGNED BY BCE/PJM DATE 6-06
DRAWN BY C.E.A., INC. DATE 6-06
DESIGN FILE NO. p98cl82.dgn
PRF FILE p98cl82bdl.i DATE PLOTTED 10-FEB-2010
PROJ. NAME **MONTGOMERY - BERKSHIRE**
PROJ. NO. **STP 2619(1)S**
SHEET **25** OF **41** SHEETS

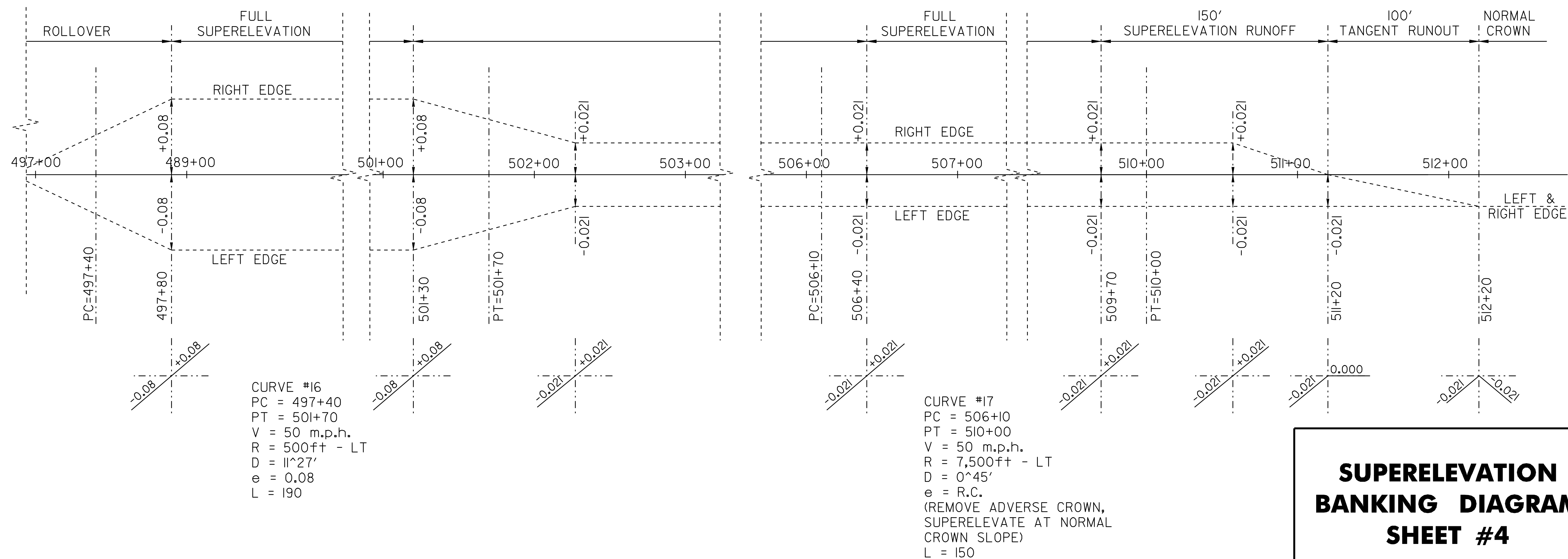
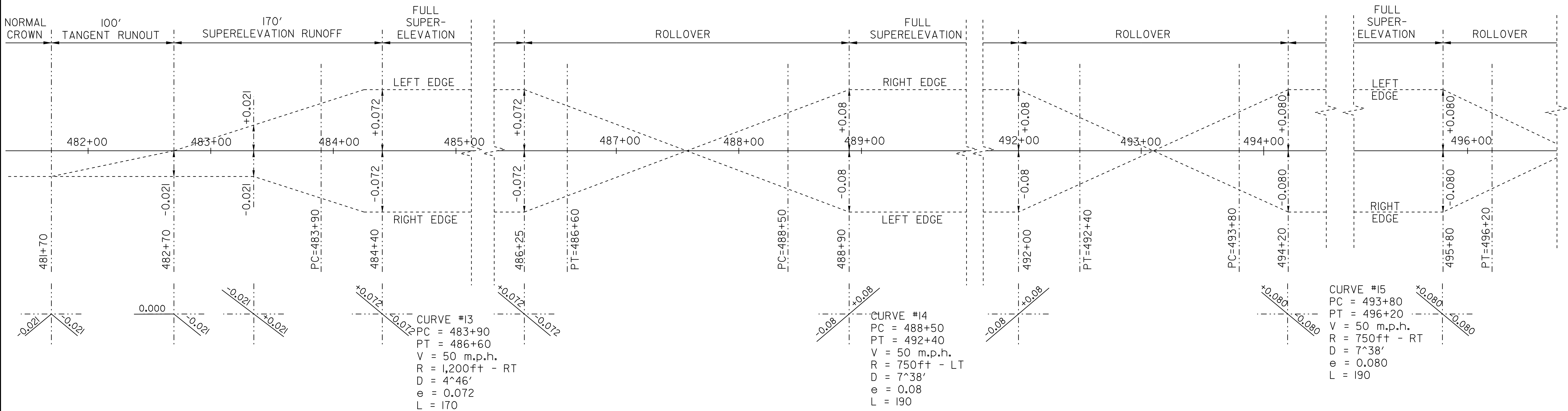


SUPERELEVATION BANKING DIAGRAM SHEET #2

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82bd2.1	DATE PLOTTED	10-FEB-2010 14:19
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2619(1)S		
SHEET	26	OF	41 SHEETS

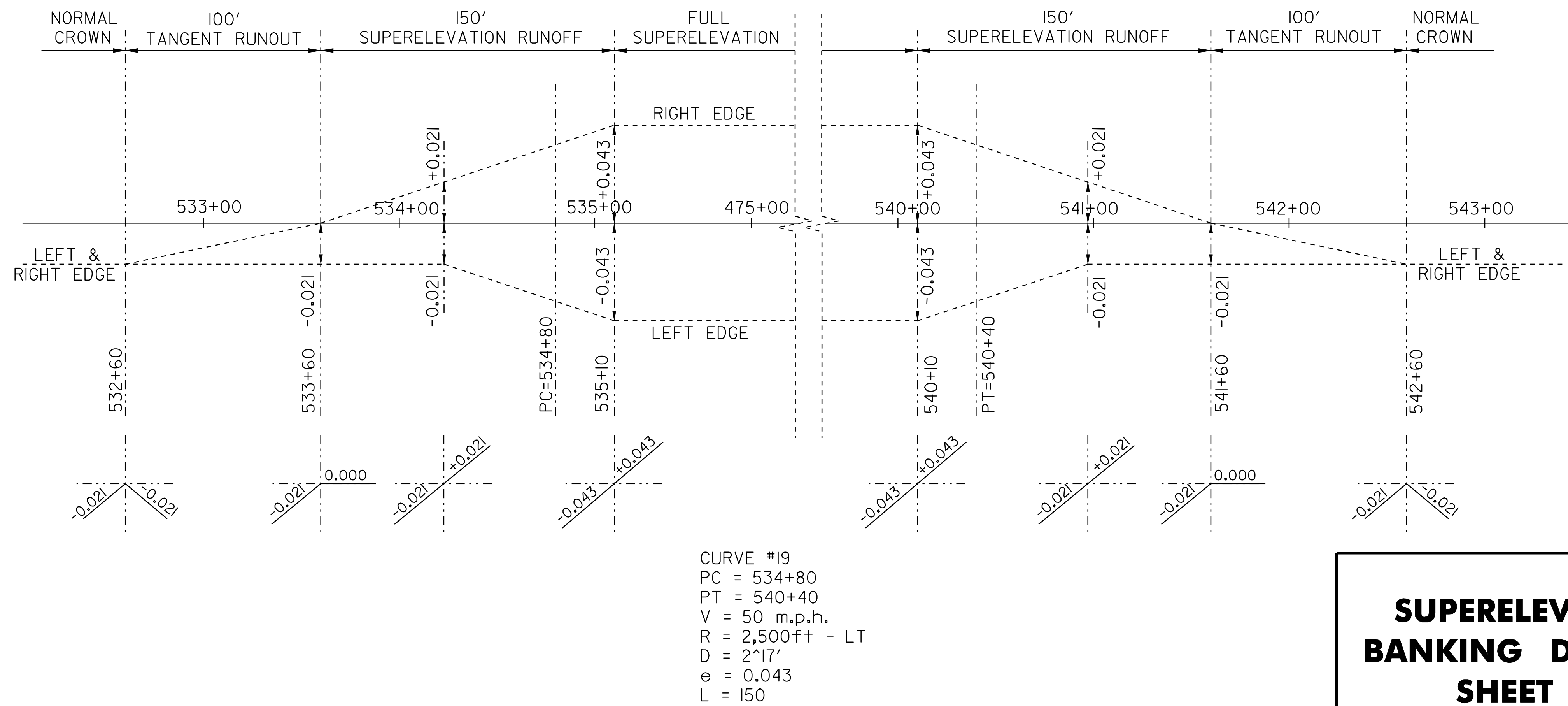
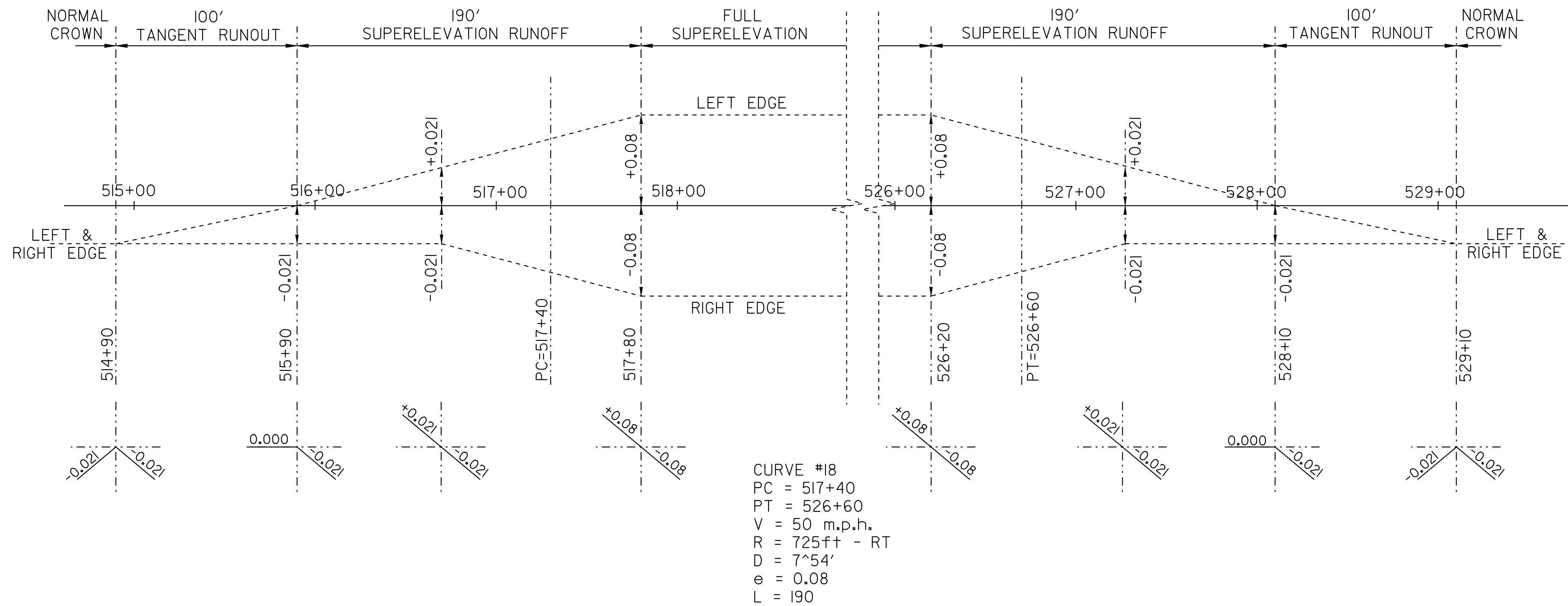


SUPERELEVATION BANKING DIAGRAM SHEET #3	DESIGNED BY <u>BCE/PJM</u> DATE <u>6-06</u>	
	DRAWN BY <u>C.E.A., INC.</u> DATE <u>6-06</u>	
	DESIGN FILE NO. <u>p98cl82.dgn</u>	
	PRF FILE <u>p98cl82bd3.l</u>	DATE PLOTTED <u>10-FEB-2010 14:19</u>
PROJ. NAME MONTGOMERY - BERKSHIRE		
PROJ. NO. STP 2619(1)S		
SHEET 27 OF 41 SHEETS		



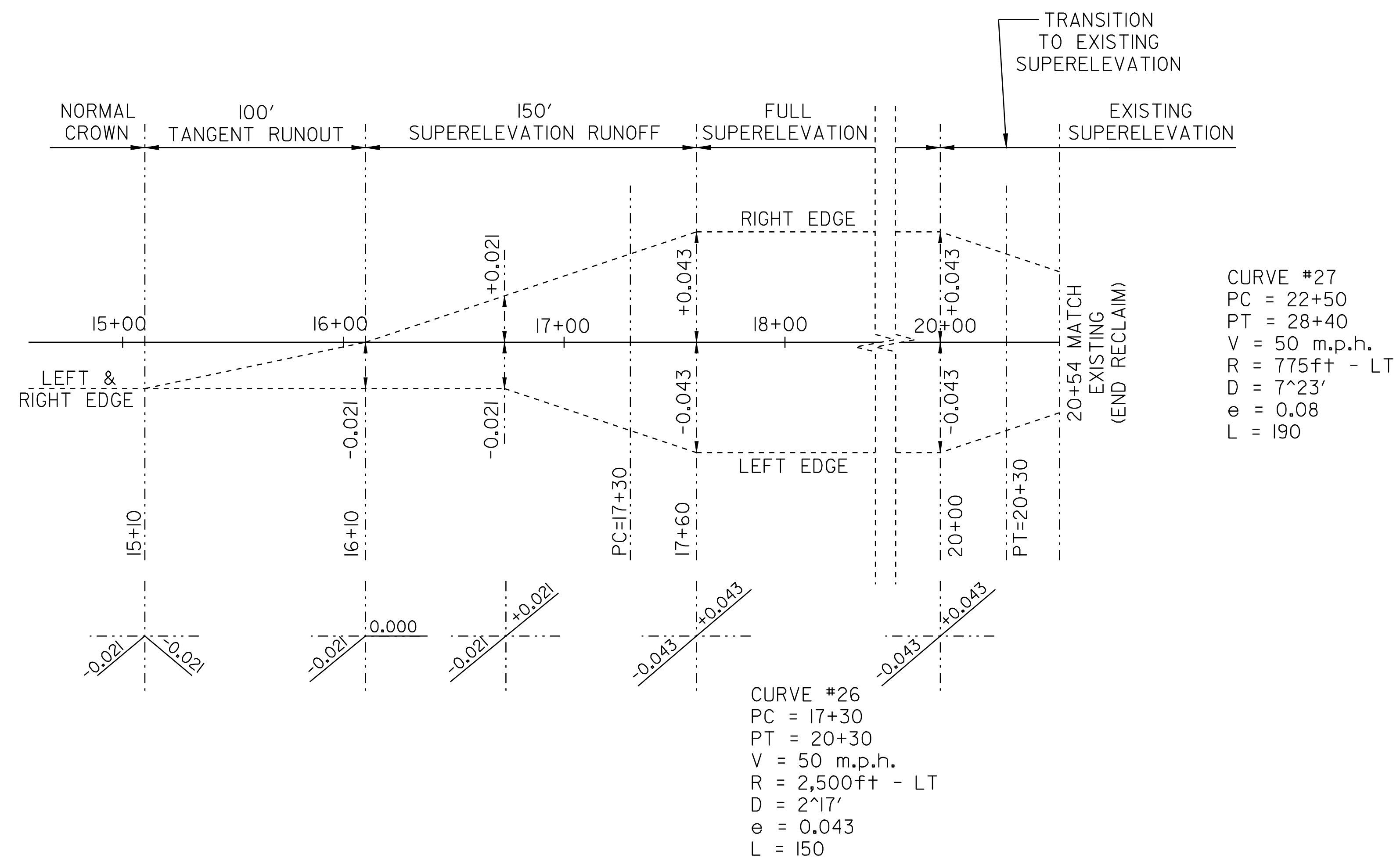
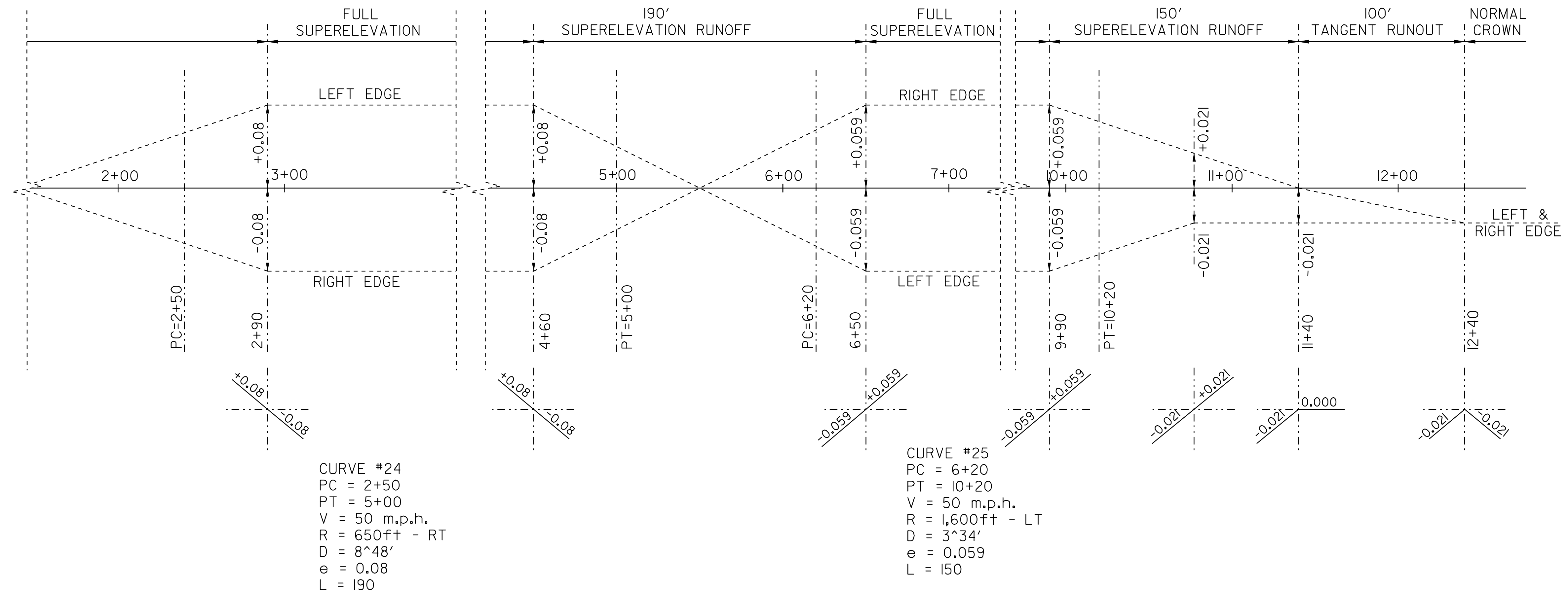
SUPERELEVATION BANKING DIAGRAM SHEET #4

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82bd4.1	DATE PLOTTED	10-FEB-2010 14:19
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2619(1)S		
SHEET	28	OF	41 SHEETS



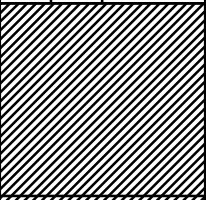
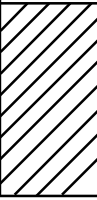
SUPERELEVATION BANKING DIAGRAM SHEET #5

DESIGNED BY BCE/PJM DATE 6-06
 DRAWN BY C.E.A., INC. DATE 6-06
 DESIGN FILE NO. p98cl82.dgn
 PRF FILE p98cl82bd5.1 DATE PLOTTED 10-FEB-2010 14:19
 PROJ. NAME **MONTGOMERY - BERKSHIRE**
 PROJ. NO. **STP 2619(1)S**
 SHEET **29** OF **41** SHEETS



SUPERELEVATION BANKING DIAGRAM SHEET #7

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82bd7.1	DATE PLOTTED	10-FEB-2010 14:59
PROJ. NAME	MONTGOMERY - BERKSHIRE		
PROJ. NO.	STP 2619(1)S		
SHEET	31	OF	41 SHEETS

MILE MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS							EXIST POST REMAIN	S ALV AGE	NO. OF POSTS	NEW SIGN POSTS																	REMARKS	SIGN DETAIL			
															FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM Ø (In)			TUBULAR STEEL Ø (In)				W-SHAPE STEEL					DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	SALV TIS	lb/ft	1.75	2.0				2.5	A SECTION	S SECTION	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	SIGN POST EARTH DATA OWNER						
																										24"	30"									
																										1.12	2.0				3.0				1.88	2.16
OPTION ITEMS																																				
MONTGOMERY 294+80 LT		1	30	30	6.25					1																								E-143		
295+00 RT		1	30	30	6.25						1			X		X																		E-143		
295+10 LT		1	24	30	5.0						1			X		X															REFER TO STANDARD E-121 FOR PLACEMENT.		E-141			
297+07 RT		1	30	30	6.25						1			X		X																		E-143		
297+37 RT		1	30	30	6.25						1			X		X																		E-143		
301+50 LT		1	30	30	6.25						1			X		X																		E-143		
301+80 LT		1	24	30	5.0						1			X		X															REFER TO STANDARD E-121 FOR PLACEMENT.		E-141			
343+55 RT		1	30	30	6.25						1			X		X																		E-143		
369+55 RT		1	24	30	5.0						1			X		X															REFER TO STANDARD E-121 FOR PLACEMENT.		E-141			
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."					SF	SF	EA.	SF			FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB	TRAFFIC SIGN SUMMARY SHEET #1			PROJECT: MONTGOMERY – BERKSHIRE		PROJECT NO.: STP 2125(1)S	
																										DESIGN FILE NAME: p98cl82.dgn		PLOT DATE: 10-FEB-2010 14:19								
																										IPARM FILE NAME: p98cl82+ssl.t		SURVEY DATE: 2006								
			SHEET TOTALS		52.5		3																											SURVEYED BY: CEA, INC.		DRAWN BY: PJM

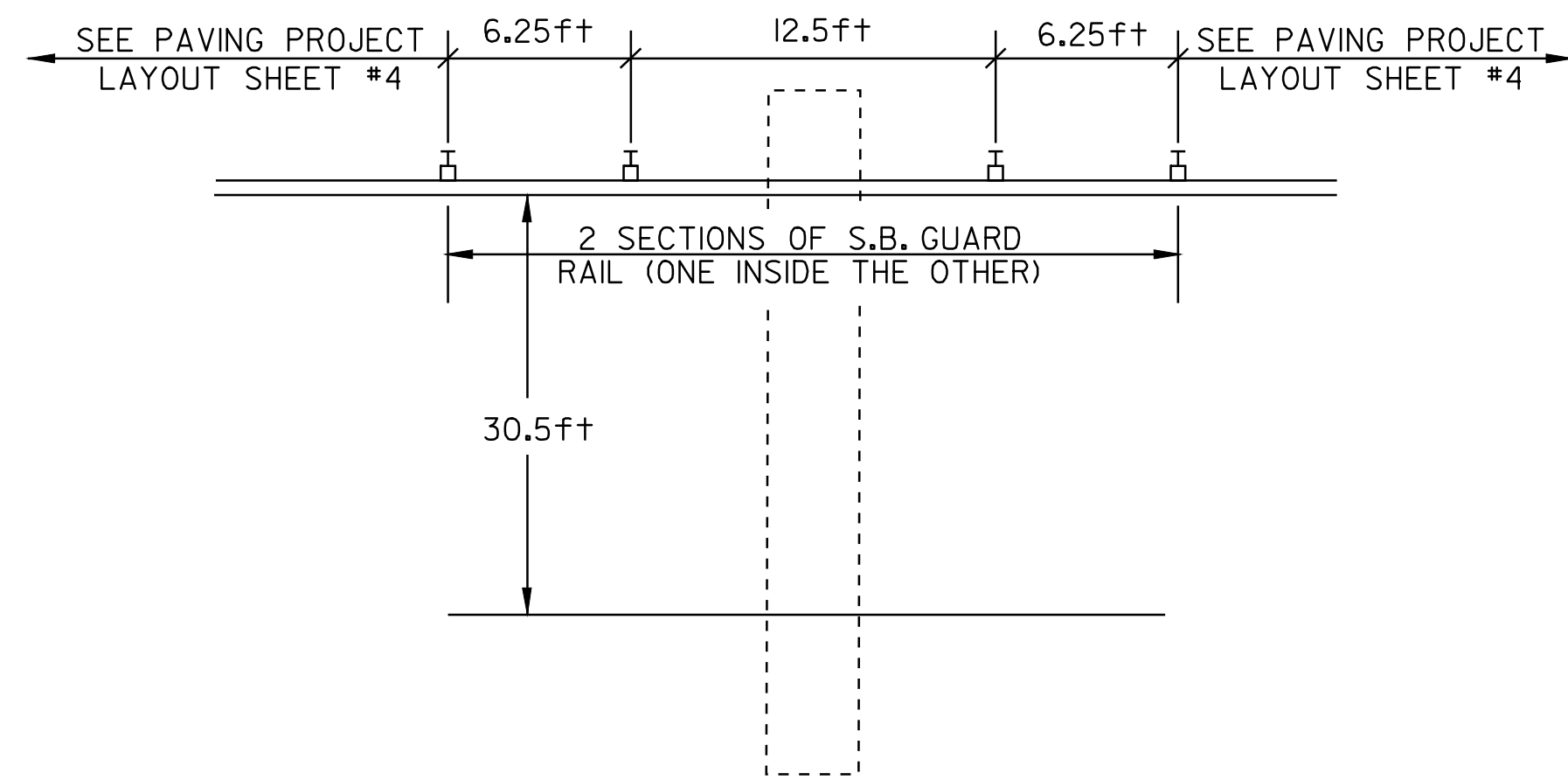
MILE MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS							EXIST POST REMAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS																		REMARKS				SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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MILE MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS								NEW SIGN POSTS																		REMARKS				SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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		E A	WIDTH (in)	HEIGHT (in)	“A”	“B”	SALV SIGN	SALV TIS	EXIST POST RETAI N	SALV AGE	NO. OF POST S	lb/ft			1.75	2.0	2.5	A NCHOR RO S	S UMMER S	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	S IG N P O S T O R I E N T A N G L E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

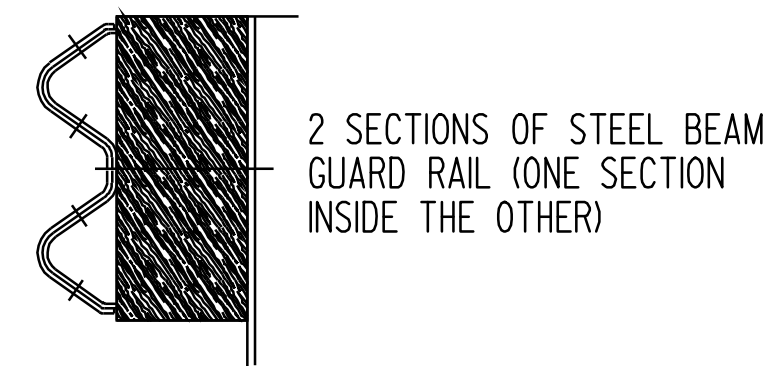
[illegible]



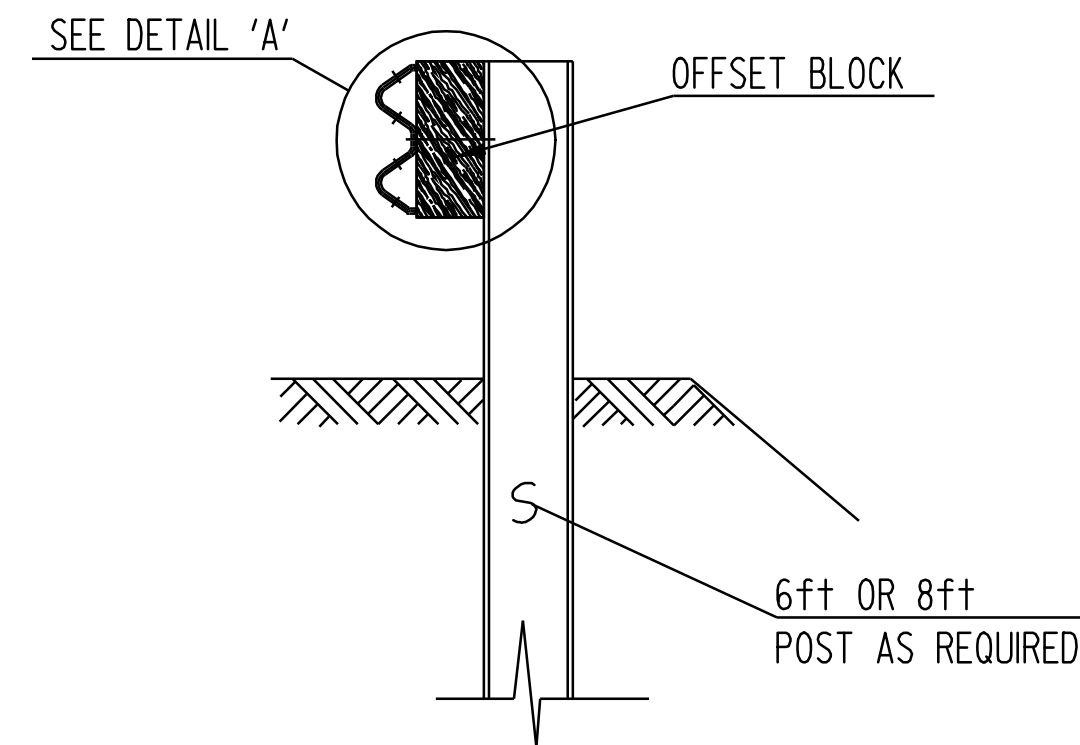
MONTGOMERY – BRIDGE #17 **STA 390+03 = MM 7.387**

NOTES

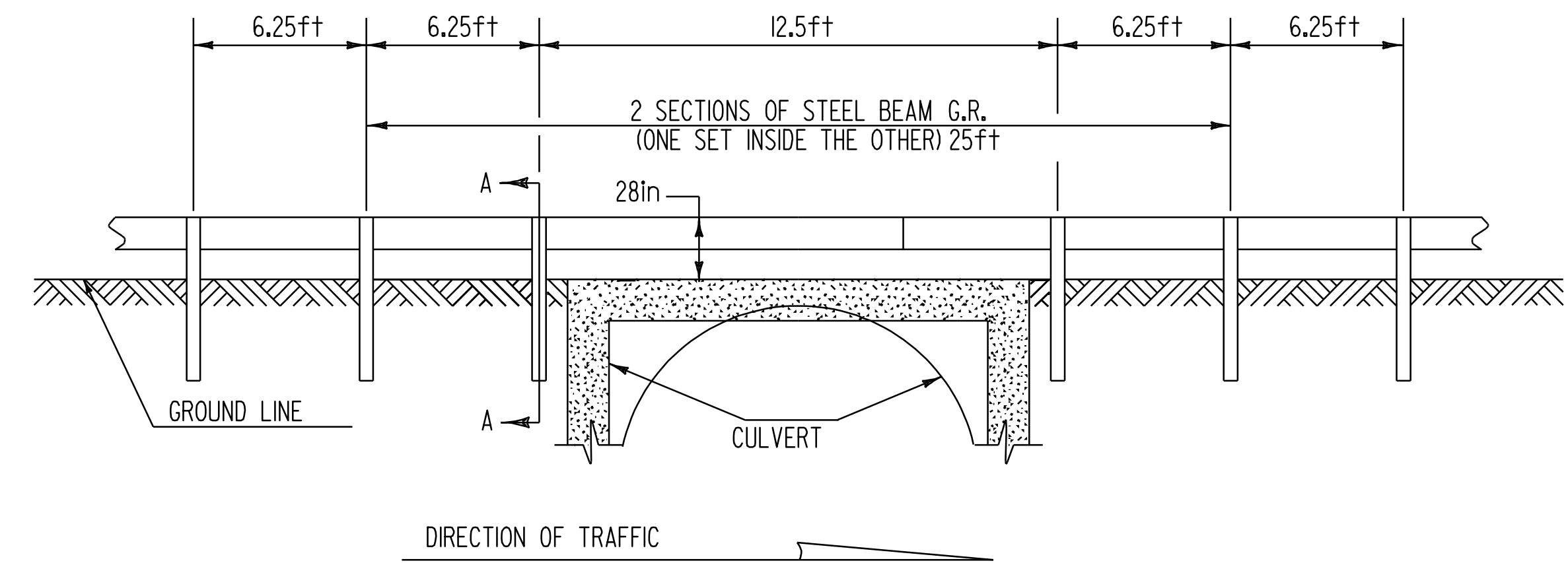
1. SEE STANDARD G-1 & G-1D FOR STEEL BEAM GUARD RAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20, STEEL BEAM GUARD RAIL, OR 621.21 HEAVY DUTY STEEL BEAM GUARD RAIL AT A PAY FACTOR OF 1.0.



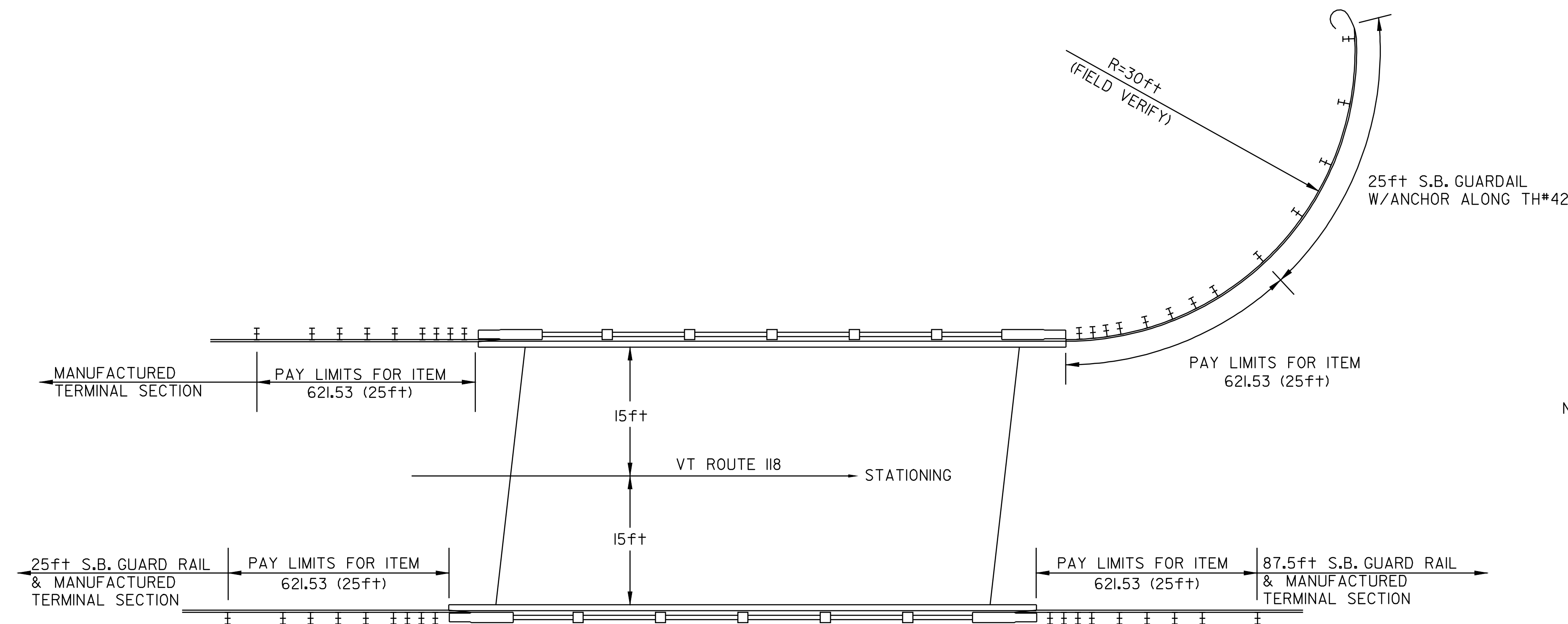
DETAIL A



SECTION A-A



DETAIL OF STEEL BEAM GUARD RAIL AT LARGE CULVERTS

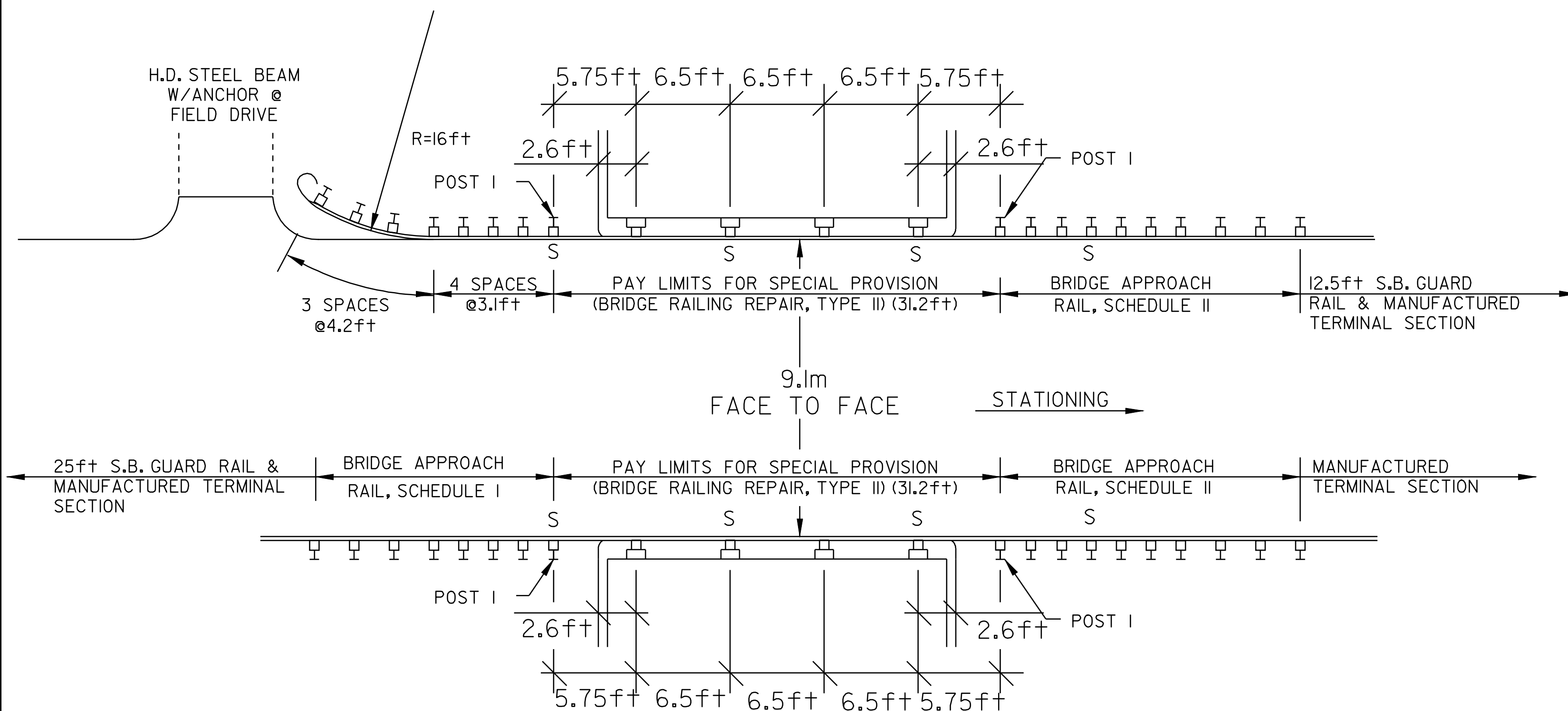
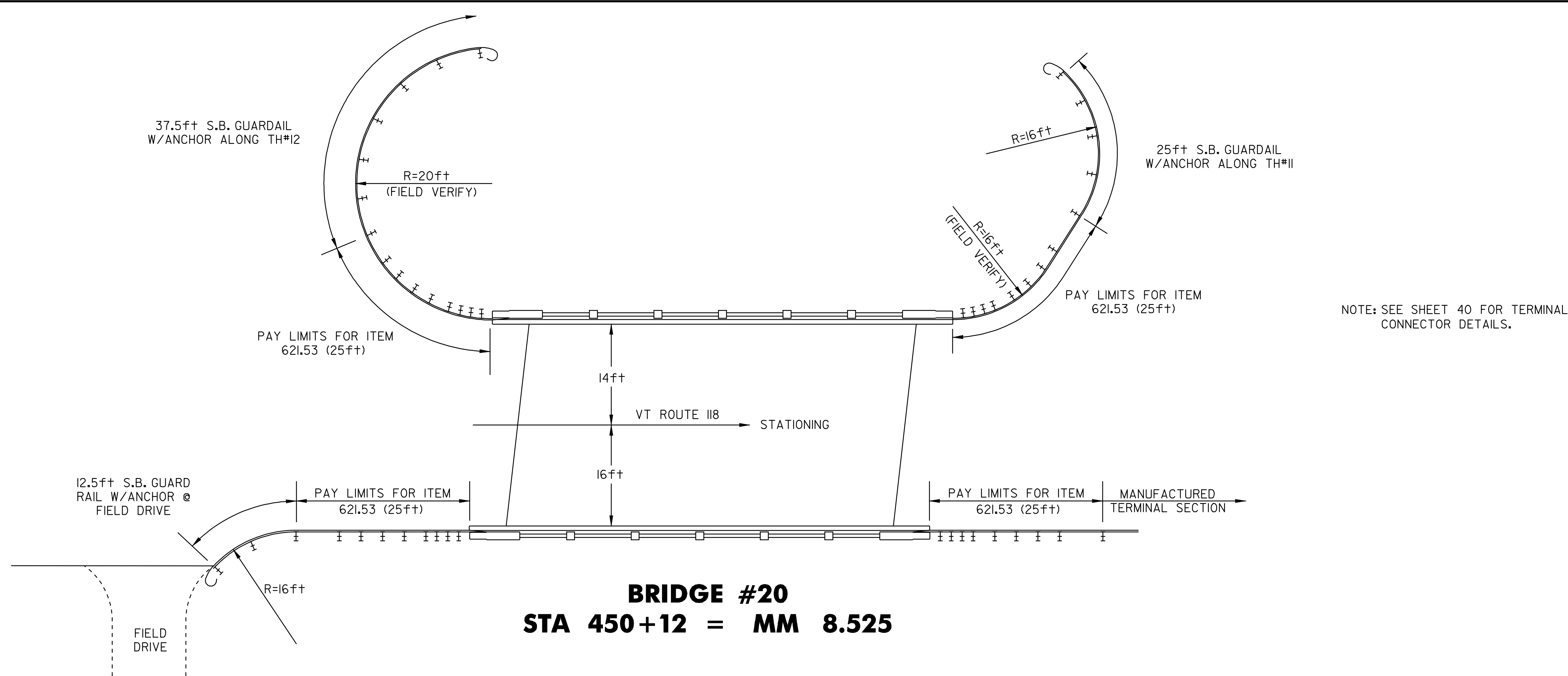


NOTE: SEE SHEET 40 FOR TERMINAL CONNECTOR DETAILS.

BRIDGE #19 **STA 441+14 = MM 8.355**

BRIDGE DETAIL SHEET #2

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82br2.1	DATE PLOTTED	10-FEB-2010 14:39
PROJ. NAME	MONTGOMERY – BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	37	OF	41 SHEETS



MONTGOMERY – BRIDGE #23
STA 535+81 = MM 10.148

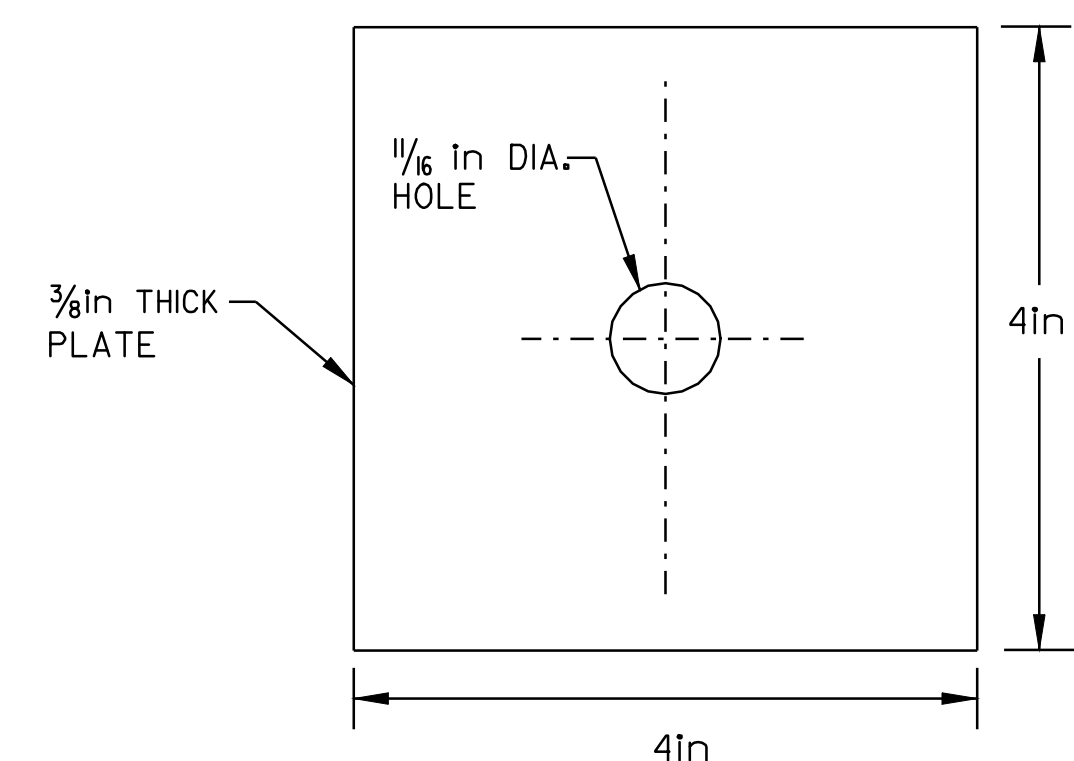
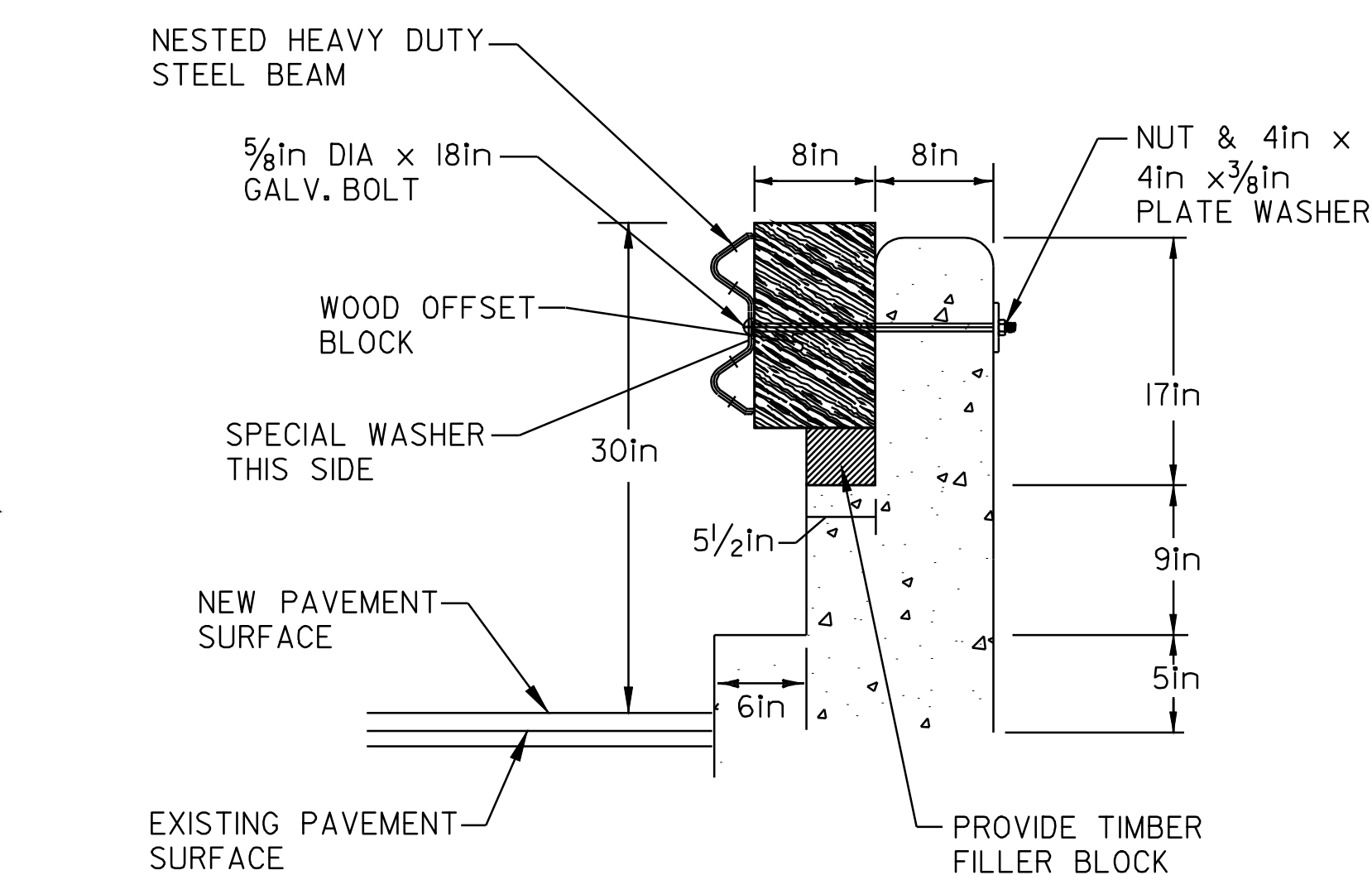
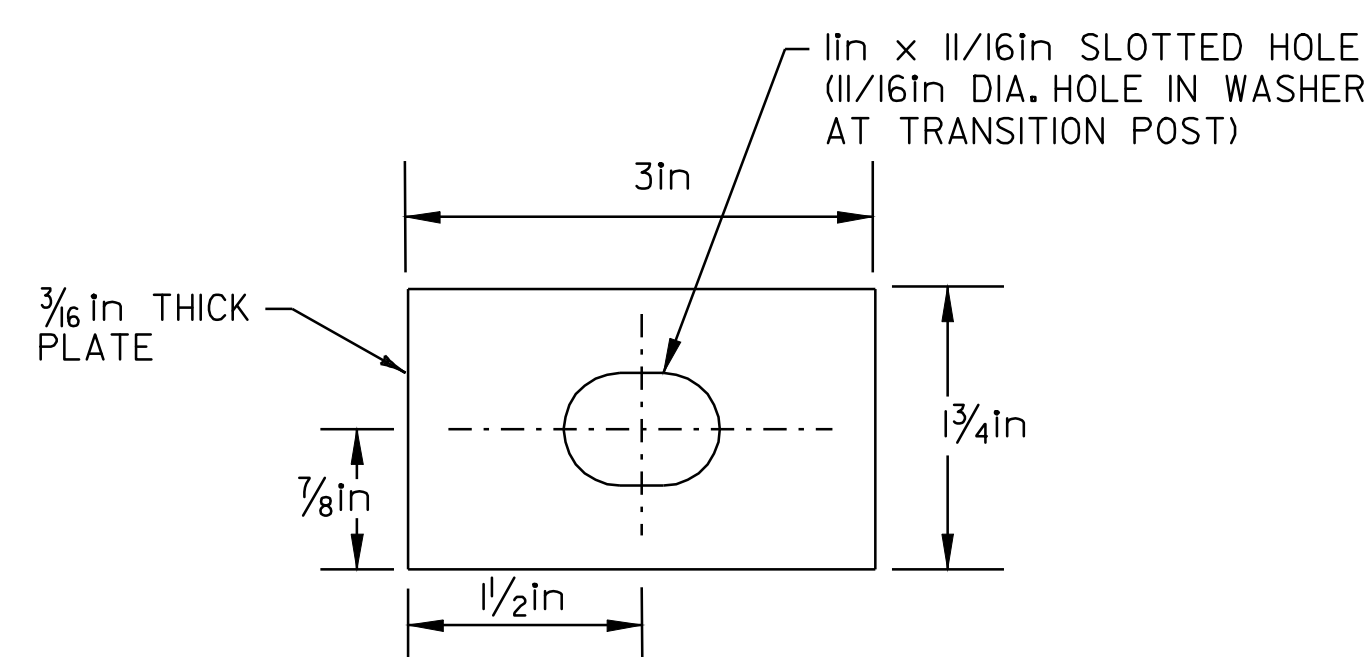


PLATE WASHER DETAIL
(MATERIAL SHALL MEET AASHTO M270/M270 GRADE 345W)

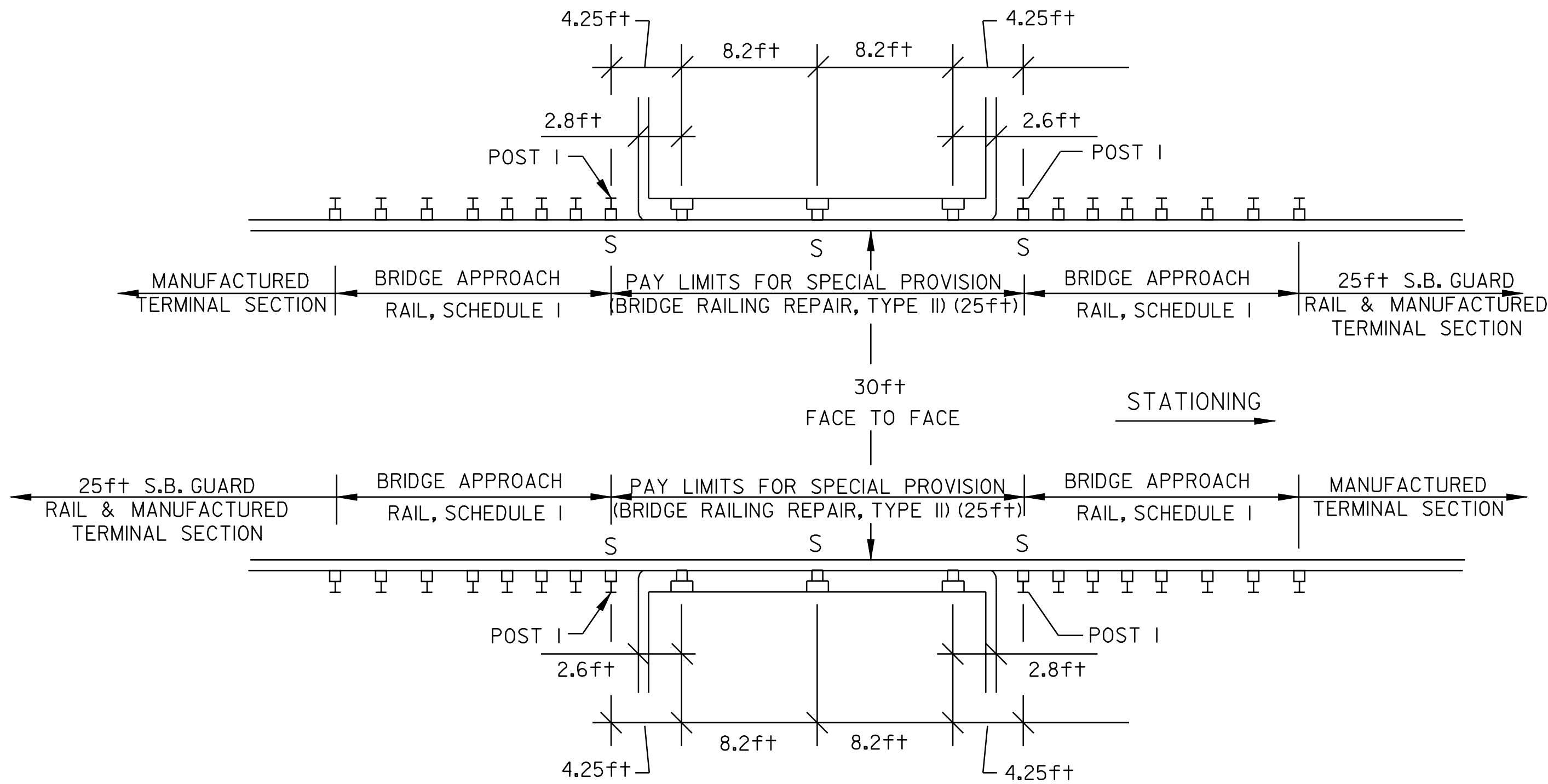
NOTE: BOLTS, NUTS & WASHERS SHALL BE GALVANIZED AND CONFORM TO SECTION 714.05.



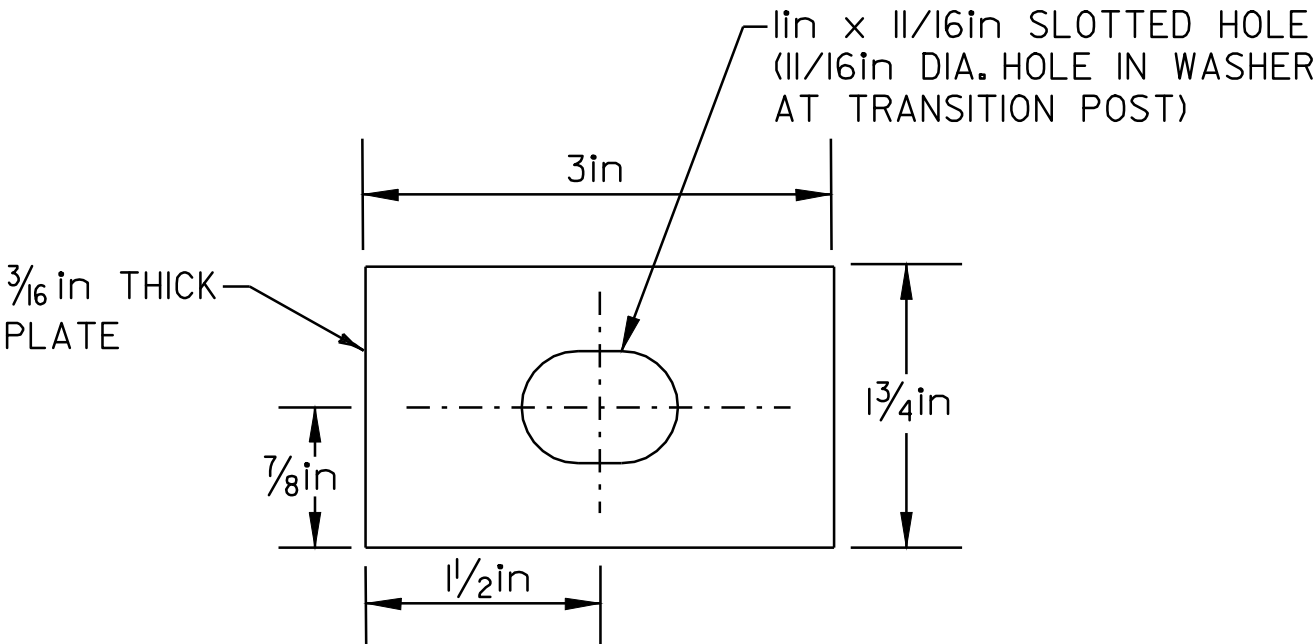
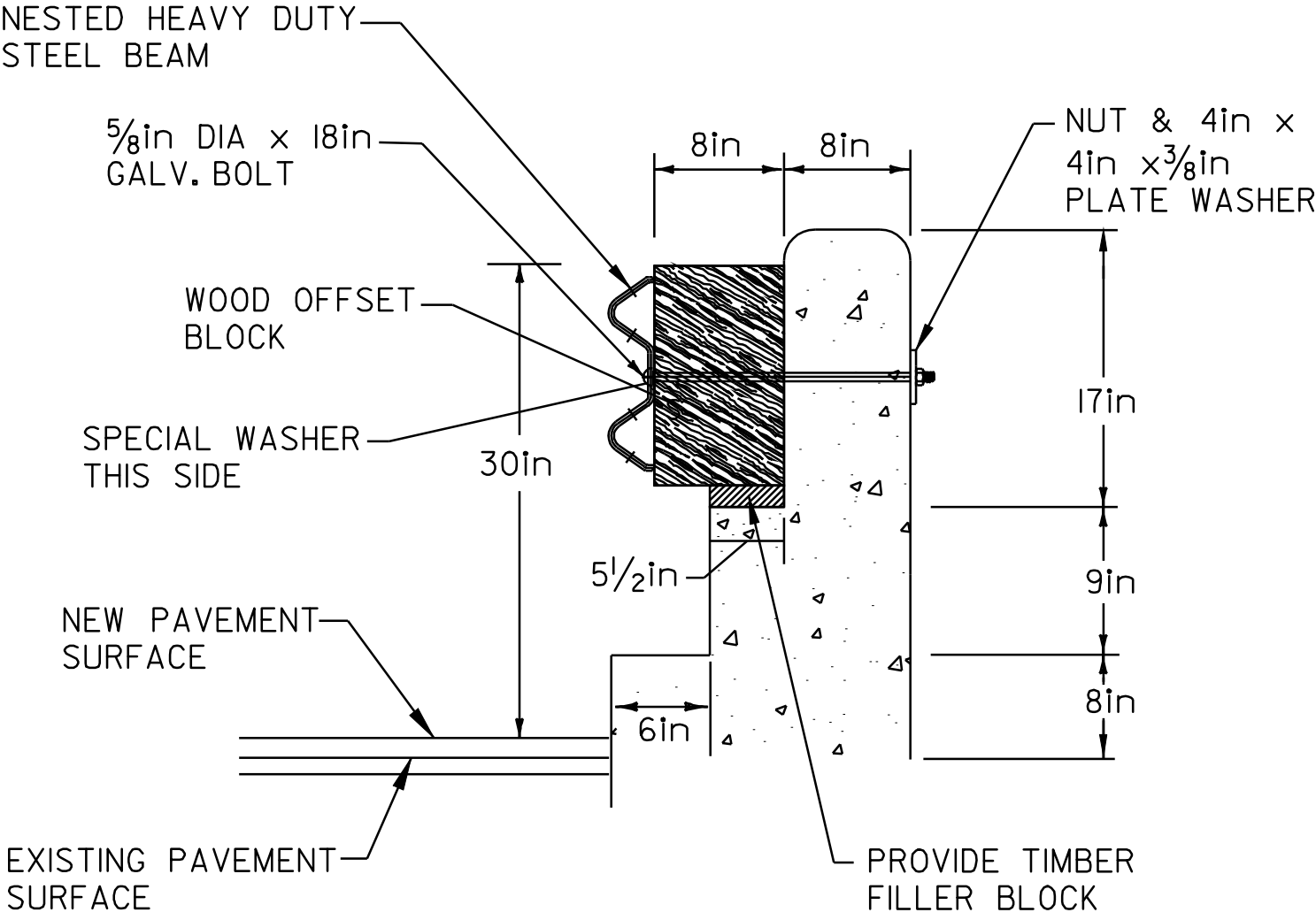
SPECIAL WASHER DETAIL
(MATERIAL SHALL MEET AASHTO M270/M270 GRADE 345W)

**BRIDGE
DETAIL
SHEET
#3**

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82br3.1	DATE PLOTTED	10-FEB-2010 14:59
PROJ. NAME	MONTGOMERY – BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	38	OF	41 SHEETS



ENOSBURG – BRIDGE #24
STA 32+84 = MM 0.621



SPECIAL WASHER DETAIL

(MATERIAL SHALL MEET AASHTO M270/M270 GRADE 345W)

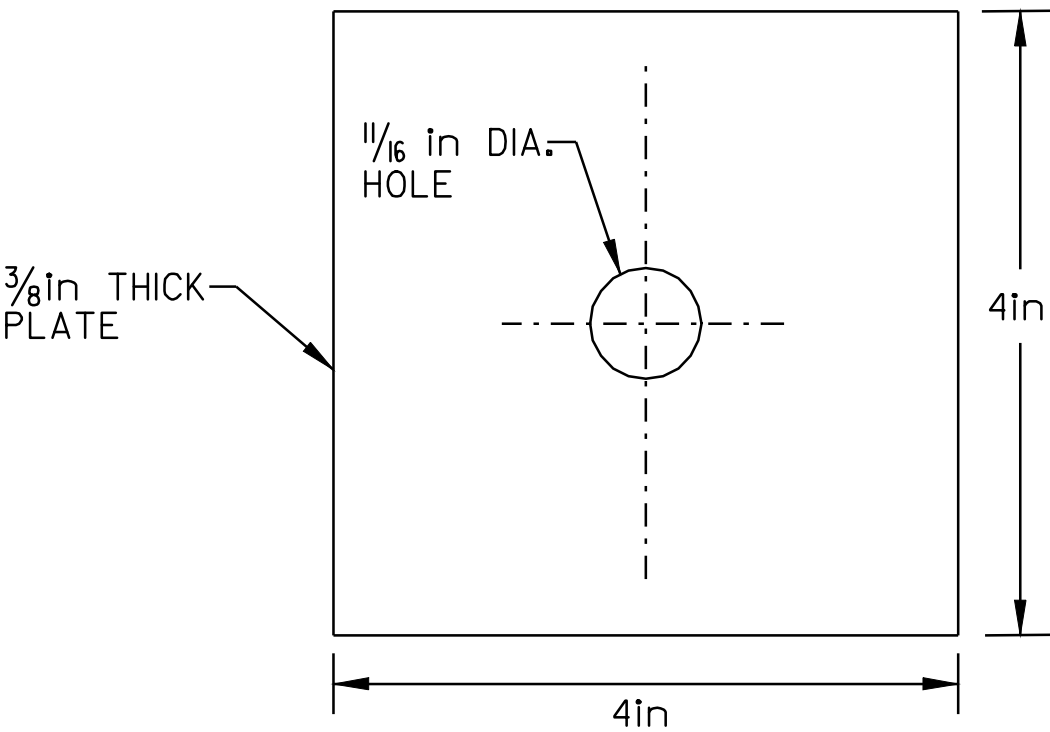


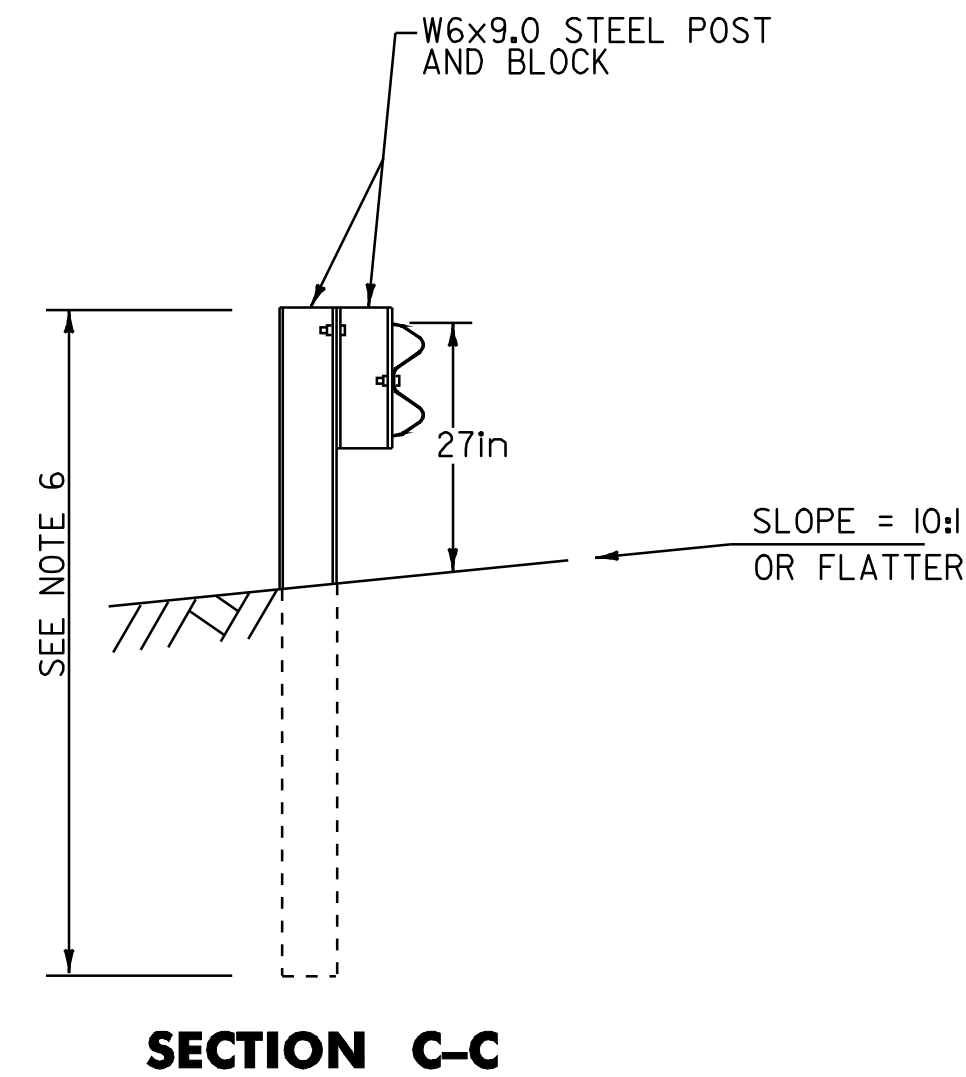
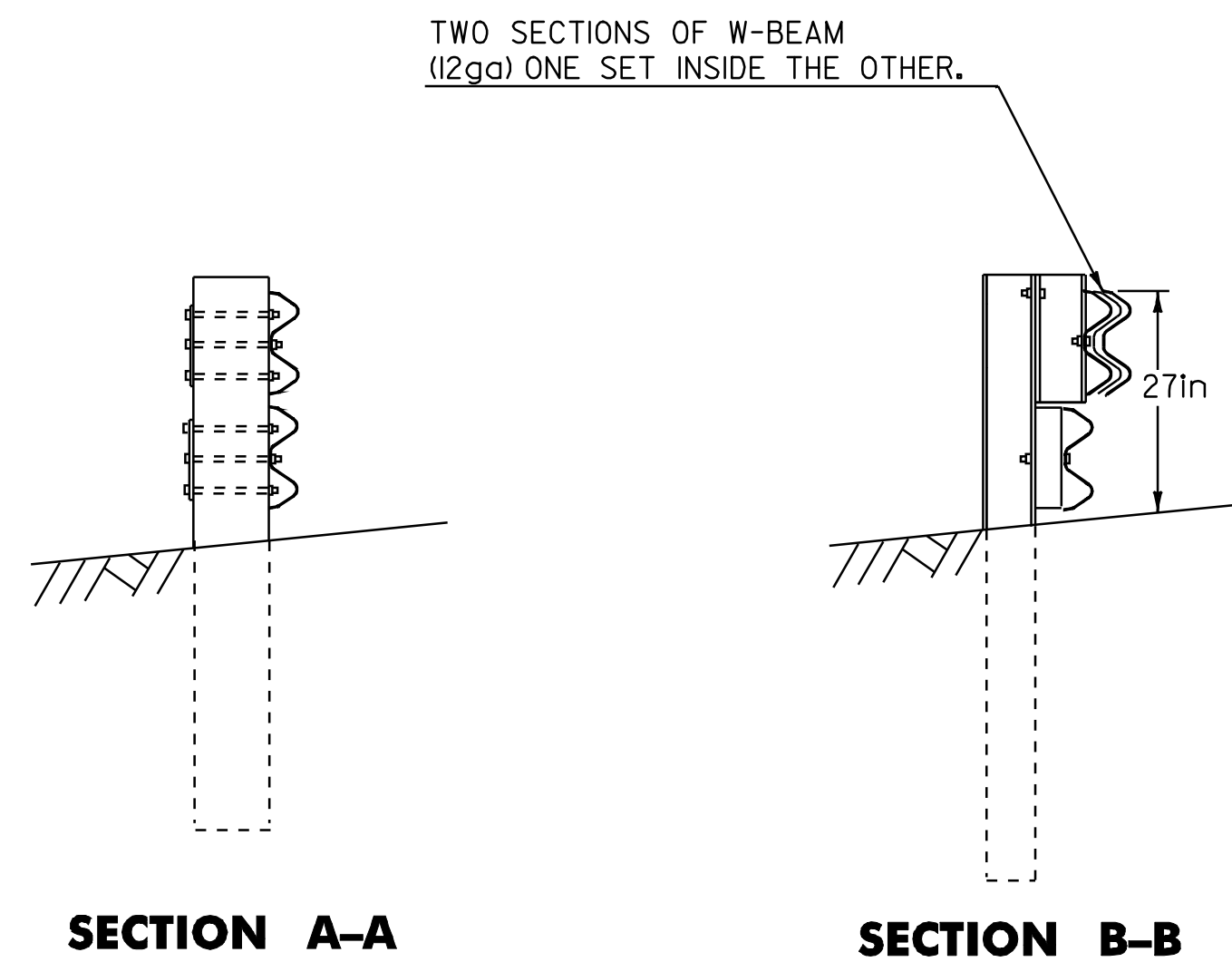
PLATE WASHER DETAIL

(MATERIAL SHALL MEET AASHTO M270/M270 GRADE 345W)

NOTE: BOLTS, NUTS & WASHERS SHALL BE GALVANIZED AND CONFORM TO SECTION 714.05.

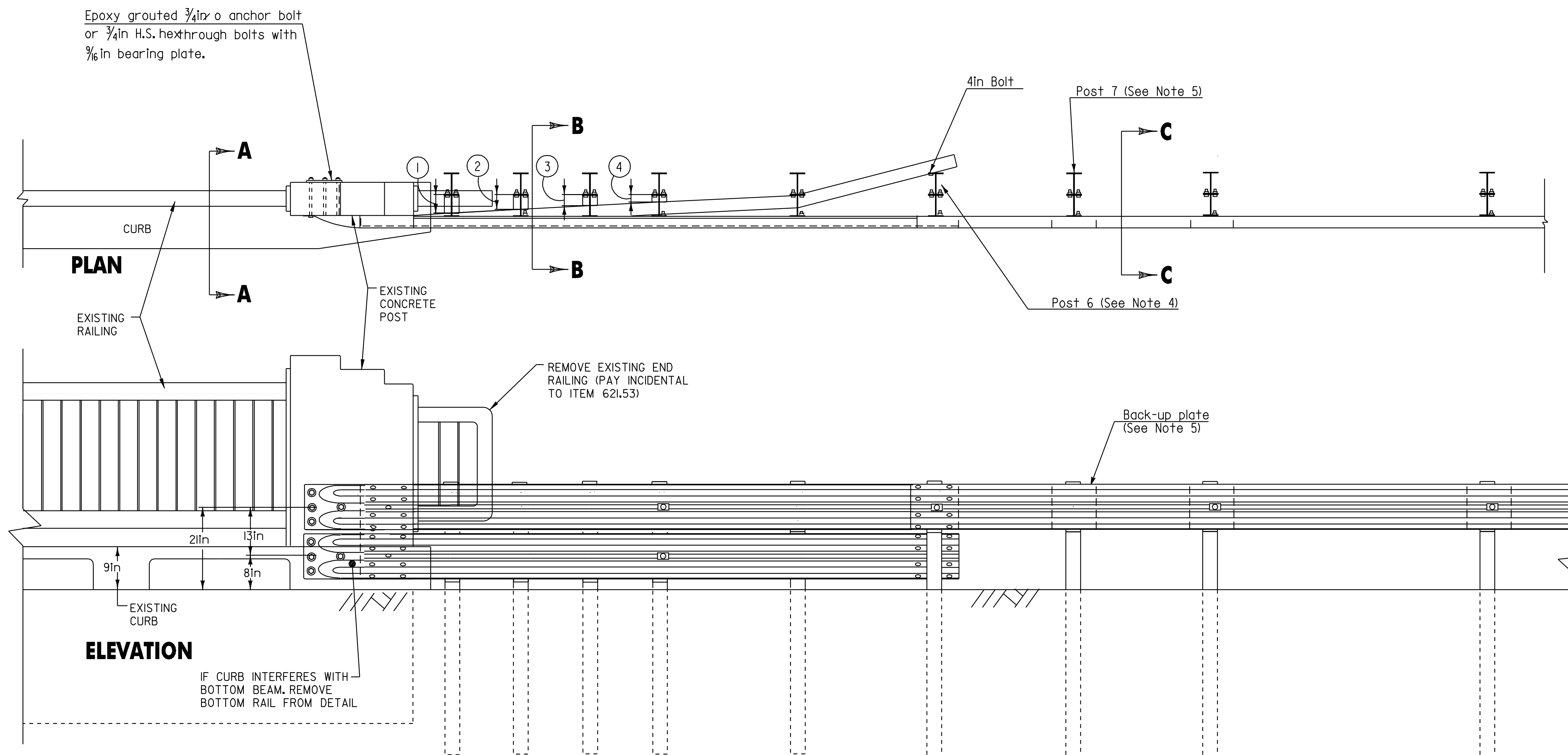
**BRIDGE
DETAIL
SHEET
#4**

DESIGNED BY	BCE/PJM	DATE	6-06
DRAWN BY	C.E.A., INC.	DATE	6-06
DESIGN FILE NO.	p98cl82.dgn		
PRF FILE	p98cl82br4.1	DATE PLOTTED	10-FEB-2010 14:19
PROJ. NAME	MONTGOMERY – BERKSHIRE		
PROJ. NO.	STP 2125(1)S		
SHEET	39	OF	41 SHEETS



NOTES

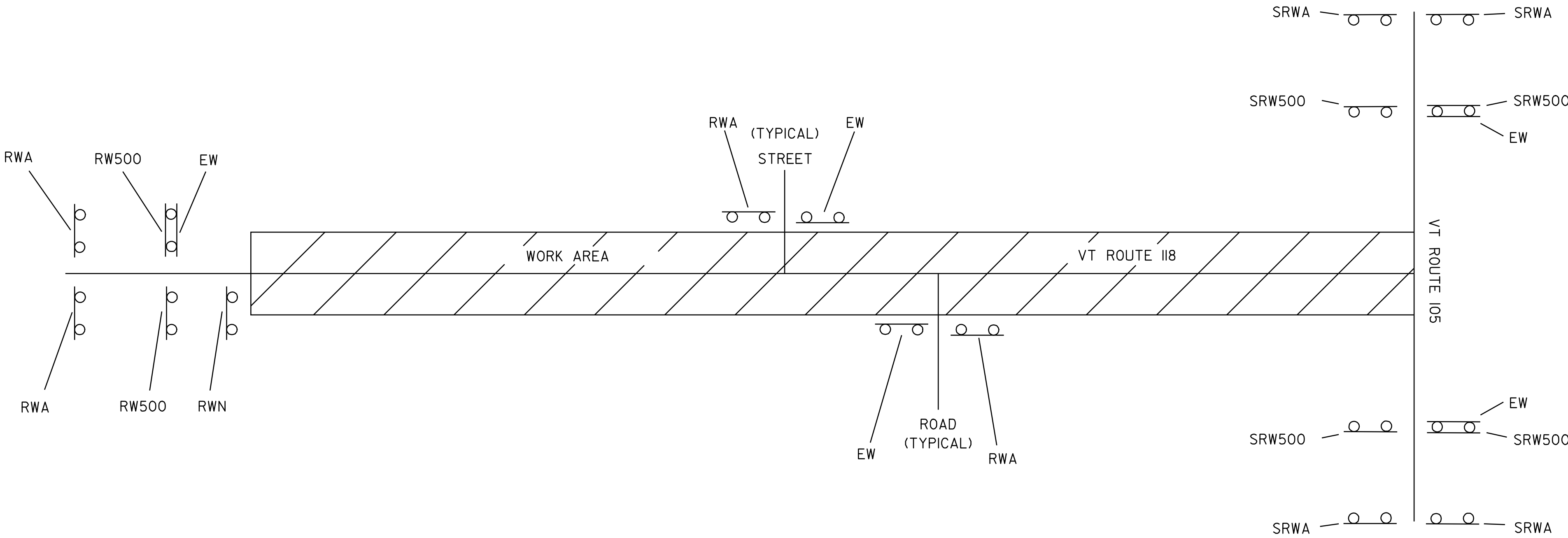
1. THIS GUARD RAIL TRANSITION IS FOR CONNECTION TO A VERTICAL CONCRETE BRIDGE AND SHOULD NOT BE CONNECTED DIRECTLY TO A CONCRETE SAFETY SHAPE.
2. BOTTOM BEAM BLOCKS ARE OFFSET DRILLED TO SIT SQUARELY ON THE POST FLANGE. BLOCKS ARE ATTACHED WITH $\frac{3}{8}$ " CARRIAGE BOLTS.
3. THE RUBRAIL MAY BE SHOP BENT IN THE LAST 3 FEET 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 6 FT STEEL POSTS.



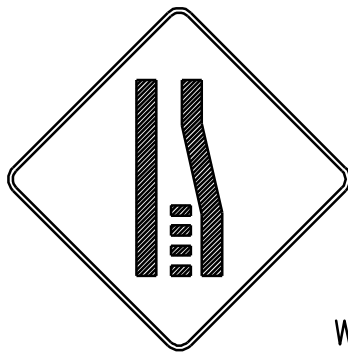
No Scale

TERMINAL CONNECTOR FOR STEEL BEAM GUARD RAIL W/STEEL POSTS

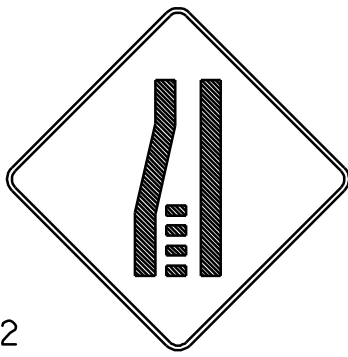
DESIGNED BY BCE/PJM DATE 6-06
DRAWN BY C.E.A., INC. DATE 6-06
DESIGN FILE NO. p98cl82.dgn
PRF FILE p98cl82+c.i DATE PLOTTED 10-FEB-2010 14:59
PROJ. NAME **MONTGOMERY - BERKSHIRE**
PROJ. NO. **STP 2125(1)S**
SHEET **40** OF **41** SHEETS



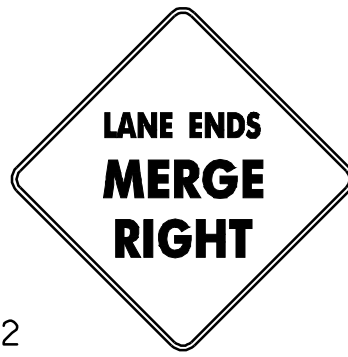
- NOTES:
1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCIDENTAL TO ITEM 641.0, "TRAFFIC CONTROL".
 2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VTRANS STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.0. "TRAFFIC CONTROL".
 3. DUE TO SIGNALIZED INTERSECTIONS UNIFORM TRAFFIC OFFICERS WILL BE REQUIRED TO DIRECT TRAFFIC. FLAGGERS MAY BE USED TO "STOP AND RELEASE" TRAFFIC AT CERTAIN INTERSECTING SIDE ROADS WHERE REQUIRED.
 4. IF FLAGGER OPERATIONS ARE TO BE USED FOR THIS PROJECT, ADDITIONAL SIGNS SHALL BE REQUIRED WITHIN THE TEMPORARY TRAFFIC CONTROL PLAN SIGN PACKAGE.
 5. THE MUTCD 2003 SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR PLACED OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.
 6. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. TRAFFIC CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE 2003 MUTCD AND/OR VTRANS STANDARDS.
 7. ON VTRANS STANDARDS E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2:



W4-2



W9-2



- LEGEND**
- RWA = ROAD WORK AHEAD
 - RW500 = ROAD WORK 500 FEET
 - EW = END WORK
 - RWN = ROAD WORK NEXT 6¾MILES
 - SRWA = SIDE ROAD WORK AHEAD
 - SRW500 = SIDE ROAD WORK 500 FEET

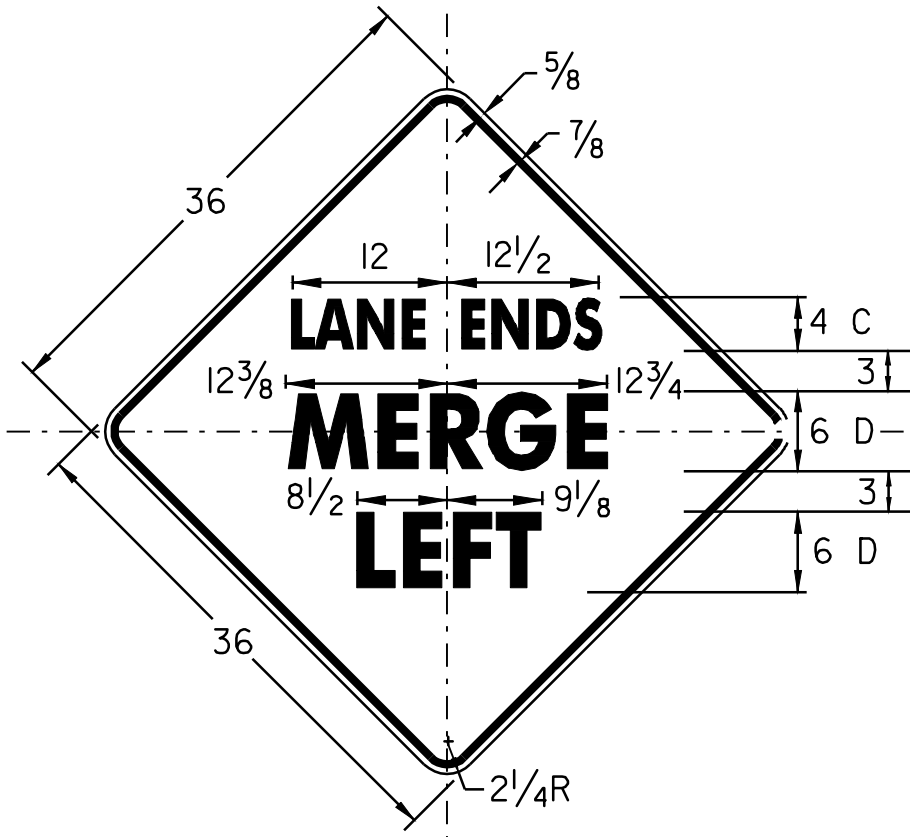
CONSTRUCTION APPROACH SIGNING

SEE STD. E-100 FOR SIGN PLACEMENT

RESIDENT ENGINEER, AT HIS OR HER DISCRETION, SHALL ELIMINATE CONSTRUCTION APPROACH SIGNING AT DEAD END LOCATIONS.

LIST OF CONSTRUCTION SIGNS

TOWN HIGHWAY	RWA	RW500	EW	RWN	SRWA	SRW500
MONTGOMERY						
BEGIN PROJECT	2	2				
NOTCH RD						
GRANNY GRUNTS RD						
VT ROUTE 242						
TROUT RIVER RD						
RIVER ST						
SCHOOL DRIVE						
DREAMERS RD						
TH #41						
TH #1						
TH #39						
TH #42						
BANK RD						
COMSTOCK BRIDGE RD						
HILL WEST RD						
WEST HILL RD						
LONGLEY BRIDGE RD						
ENOSBURG						
HOPKINS BRIDGE RD						
PRIVE HILL RD						
BERKSHIRE						
WOODARD NEIGHBORHOOD RD						
PERLEY RD						
VT ROUTE 105 (END PROJ)			2		4	4
TOTALS	22	2	23		4	4



W14-2
MATERIALS & COLORS:
PER VAOT STANDARD E-154



CONSTRUCTION APPROACH SIGNING AND DETAIL SHEET

DATUM
VERTICAL N/A
HORIZONTAL N/A

DESIGNED BY BCE/PJM DATE 6-06
DRAWN BY C.E.A., INC. DATE 6-06
DESIGN FILE NO. p98cl82.dgn
PRF FILE p98cl82.cas DATE 10-FEB-2010 14:49
PROJ. NAME **MONTGOMERY - BERKSHIRE**
PROJ. NO. **STP 2125(1)S**
SHEET **41** OF **41** SHEETS