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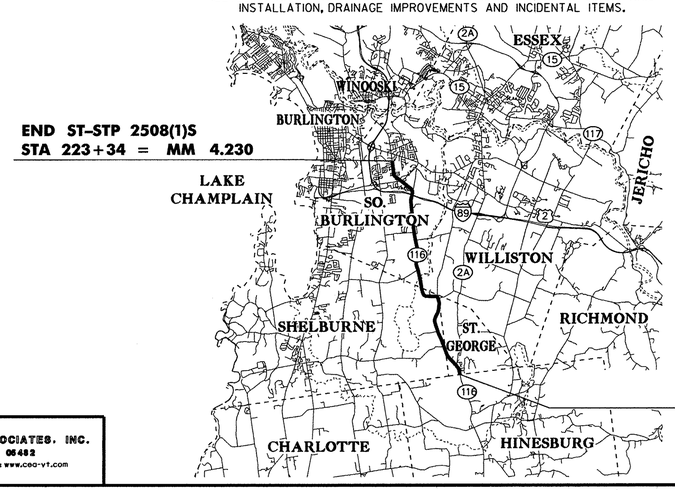
STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENTS
TOWNS OF ST. GEORGE, SHELBURNE WILLISTON, and SOUTH BURLINGTON
COUNTY OF CHITTENDEN
VT ROUTE 116

BEGINNING AT STATION 0+00 (MM 0.000) OF VT ROUTE 116 IN THE TOWN OF ST. GEORGE AND EXTENDING NORTHERLY ALONG VT ROUTE 116 THROUGH THE TOWNS OF ST. GEORGE, SHELBURNE, WILLISTON, and INTO THE TOWN OF SOUTH BURLINGTON FOR A DISTANCE OF APPROXIMATELY 42,026 FEET (7.959MILES) TO THE END OF THE PROJECT AT STATION 223+34 (M.M. 4.230) IN THE TOWN OF SOUTH BURLINGTON.

STATION TO STATION DATA	LENGTH (FEET)	(MILES)
TOWN OF ST. GEORGE		
STA 0+00 TO STA 85+61	8,561	
(MM 0.000 TO MM 1.621)		1.621
TOWN OF SHELBURNE		
STA 0+00 TO STA 89+29	8,929	
(MM 0.000 TO MM 1.691)		1.691
TOWN OF WILLISTON		
STA 0+00 TO STA 22+02	2,202	
(MM 0.000 TO MM 0.417)		0.417
TOWN OF SOUTH BURLINGTON		
STA 0+00 TO STA 169+25	16,925	
(MM 0.000 TO MM 3.205)		3.205
STA 175+30 TO STA 223+34	4,804	
(MM 3.320 TO MM 4.230)		0.909
PROJECT TOTALS	41,421	7.844

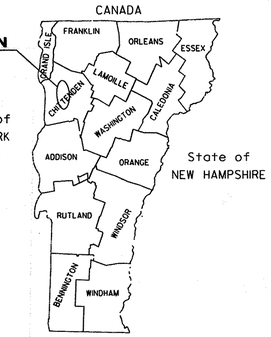
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH COLD PLANING & OVERLAY SECTIONS (LEVELING AND WEARING COURSE), NEW PAVEMENT MARKINGS, GUARD RAIL INSTALLATION, DRAINAGE IMPROVEMENTS AND INCIDENTAL ITEMS.



END ST-STP 2508(1)S
STA 223+34 = MM 4.230

BEGIN ST-STP 2508(1)S
STA 0+00 = MM 0.000

PROJECT LOCATION
ST-STP 2508(1)S



RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. – BERLIN, VT

RESIDENT ENGINEER: IAN JENIKE

CONSTRUCTION BEGAN: AUGUST 26, 2008

CONSTRUCTION COMPLETE: MAY 15, 2009

RECORD PLANS BY: IAN JENIKE & AMOS KEMPTON

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

BY for IAN JENIKE RESIDENT ENGINEER

DATE 1-10-2012

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.

ST. GEORGE - SO. BURLINGTON VT ROUTE 116, MM 0.000 TO MM 4.230	
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	1,051,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	PG 58-28

TRAFFIC DATA

	ADT		DHV		FLEXIBLE ESAL'S	
	2007	2017	2007	2017	(2007-2017)	(2007-2027)
BEGINNING OF PROJECT TO CHEESE FACTORY RD (SO. BURL. MM 0.240)	6,300	6,700	700	750	577,000	1,358,000
CHEESE FACTORY RD. TO KENNEDY DR. (SO. BURL. MM 3.27)	8,100	8,500	890	930	842,000	1,940,000
KENNEDY DR. TO WRIGHT COURT (SO. BURL. MM 3.73)	9,700	10,300	1,050	1,110	819,000	1,901,000
WRIGHT COURT TO END OF PROJECT	10,800	11,400	1,160	1,230	908,000	2,102,000

CONVENTIONAL SIGNS

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

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'.

DATUM
VERTICAL N/A
HORIZONTAL N/A

BY:

CIVIL ENGINEERING ASSOCIATES, INC.
P.O. BOX 486 SHELBURNE, VT 05482
802-985-2323 FAX: 802-985-2271 web: www.cea-vt.com

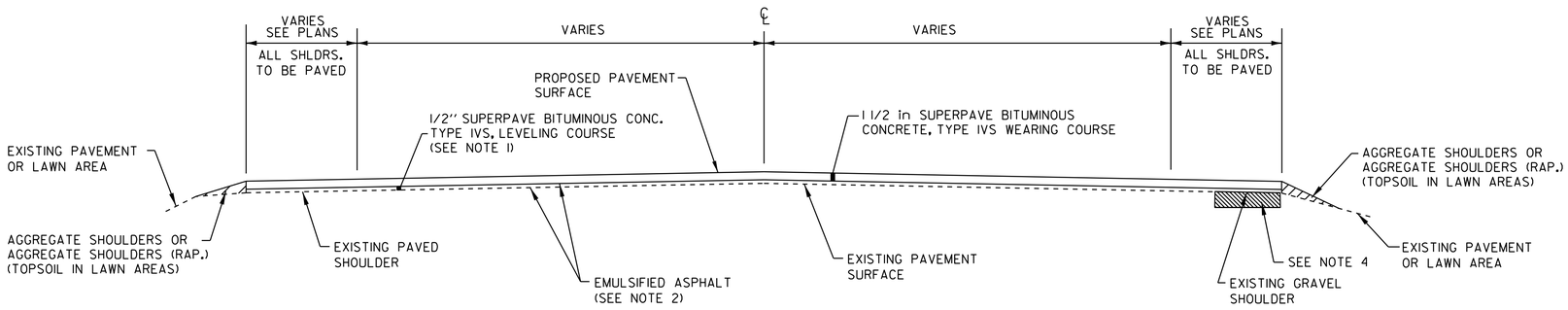
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

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.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Richard Tetreault DATE 6-20-08
PROJECT MANAGER : TED DOMEY

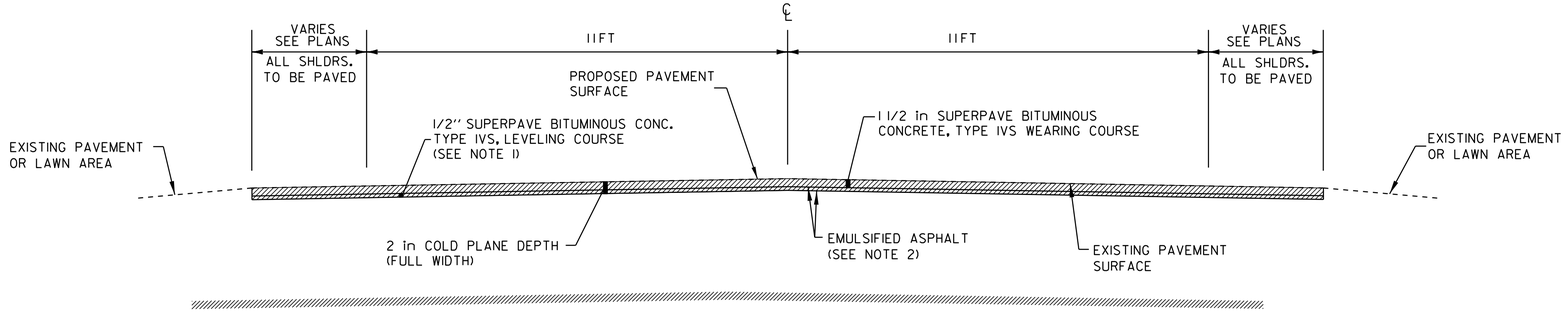
PROJECT NAME : **ST. GEORGE-SO. BURLINGTON**
PROJECT NUMBER : **ST-STP 2508(1)S**

SHEET **1** OF **42** SHEETS



OVERLAY TYPICAL SECTION

ST. GEORGE
STA 0+000 TO 85+61
SHELBURNE
STA 0+00 TO 89+29
WILLISTON
STA 0+00 TO 22+02
SOUTH BURLINGTON
STA 0+00 TO 169+25
STA 175+30 TO 197+75



COLD PLANED TYPICAL SECTION

SOUTH BURLINGTON
STA 197+75 TO 223+34

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL (IN FEET)	WEARING DEPTH	LEVELING Tons	NOTES
ST. GEORGE- VT ROUTE 116	0+00	85+61	4-11-11-4	1-1/2 in	793	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SHELBURNE - VT ROUTE 116	0+00	89+29	4-11-11-4	1-1/2 in	827	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
WILLISTON - VT ROUTE 116	0+00	21+94	4-11-11-4	1-1/2 in	204	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
WILLISTON S. BURL.- VT ROUTE 116	21+94	0+08	4-11-11-4	1-1/4 in	--	BR. 30 COLD PLANE 1-1/4", PAVE W/1-1/4" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	0+08	4+50	4-11-11-4	1-1/2 in	42	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	4+50	25+75	9-12-12-9	1-1/2 in	262	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	25+75	43+75	4-11-11-4	1-1/2 in	167	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	43+75	56+00	8-12-12-8	1-1/2 in	151	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	56+00	124+50	4-11-11-4	1-1/2 in	634	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	124+50	138+74	5-11-11-5	1-1/2 in	140	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	138+74	141+34	5-11-11-5	1-1/4 in	--	BR 31COLD PLANE 1-1/4", PAVE W/1-1/4" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	141+34	147+00	5-11-11-5	1-1/2 in	56	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	147+00	151+00	8-12-12-8	1-1/2 in	49	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	151+00	169+25	5-11-11-5	1-1/2 in	180	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	169+25	175+30	NO WORK--KENNEDY DRIVE			
SO. BURLINGTON - VT ROUTE 116	175+30	197+75	4-11-11-4	1-1/2 in	208	1/2" LEVEL, PAVE W/1-1/2" TYPE IVS
SO. BURLINGTON - VT ROUTE 116	197+75	223+34	VARIES	1-1/2 in	237	COLD PLANE 2 in, LEVEL 1/2" TYPE IVS, WEARING COURSE 1-1/2 in TYPE IVS

NOTES

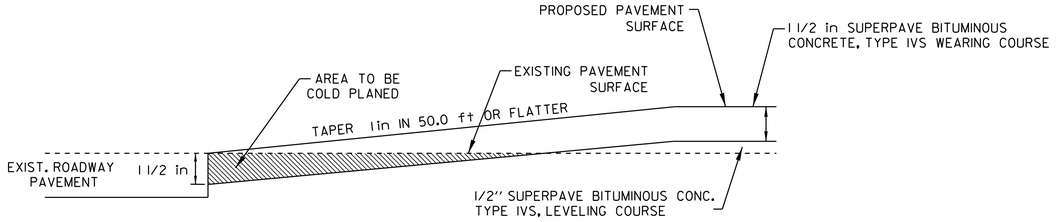
1. THE PAVEMENT WEARING COURSE SHALL BE TYPE IVS.

   THE LEVELING COURSE SHALL BE TYPE IVS 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 OVERLAY AND COLD PLANE TYPICAL SECTIONS. AN ESTIMATED THICKNESS OF ½in. OF ITEM 490.30 HAS BEEN INCLUDED TO COVER THIS PROVISION.

   ALL ASPHALT CEMENT USED IN THE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
2. EMULSIFIED ASPHALT, RS-1, SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- ¼in (TOTAL THICKNESS EXCLUDING LEVELING).
4. 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, GRADER RENTAL, LOADER RENTAL, TRUCK RENTAL, AND POWER BROOM RENTAL. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED OR AGGREGATE SHOULDERS, RAP.
5. THE PROPOSED GUARDRAIL SHALL BE INSTALLED A MINIMUM OF 16 FEET FROM THE CENTER OF THE ROAD, OR A DISTANCETHAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF GUARDRAIL. THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARD RAIL WITH 6 ft POSTS. IF THIS CANNOT BE OBTAINED THEN 8ft POSTS SHALL BE USED. ALL GUARDRAIL SHALL BE STEEL BEAM WITH STEEL POSTS AND WOOD BLOCKOUTS (OR APPROVED ALTERNATIVE MATERIAL). NEW GUARDRAIL SHALL BE INSTALLED IN COMPLIANCE WITH STANDARD G-1.
6. 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.
7. ITEMS 604.40 & 604.412 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.
8. ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.13, AGGREGATE SHOULDERS, RAP. ADDITIONAL MATERIAL REQUIRED AFTER THE COLD PLANE GRINDINGS ARE USED WILL BE PAID FOR UNDER ITEM 402.12, AGGREGATE SHOULDERS.
9. ALL DRIVES SHALL RECEIVE A PAVED APRON, OR BE PAVED FROM EDGE OF ROADWAY TO SIDEWALK, AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED, AND WILL BE PAID FOR UNDER ITEM 210.10 OR THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, FINE GRADED. A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 490.30. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
10. EXCAVATED DITCHING MATERIAL SHALL BE USED FOR CONSTRUCTING GUARD RAIL END SECTIONS, UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR DITCHING MATERIAL WILL BE MADE UNDER ALL PURPOSE EXCAVATOR RENTAL, TYPE I. THE QUANTITY REFLECTS 2 HOURS OF EXCAVATOR RENTAL FOR EACH GUARD RAIL TERMINAL.
11. 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 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 58-28).
12. COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, ITEM 402.12, AGGREGATE SHOULDERS, AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.

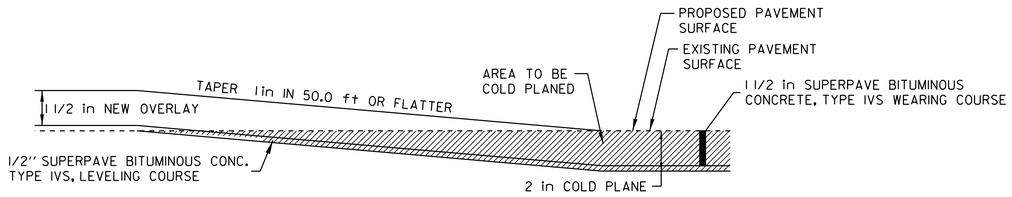
PROJECT TYPICAL SHEET #1

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052typ01.i DATE PLOTTED 03-MAY-2012
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **2** OF **42** SHEETS



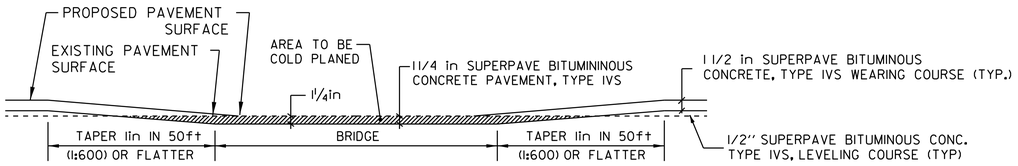
– APPROACH AREA DETAIL –

ST. GEORGE
STA 0+00 TO 100+00 (BEGIN PROJECT)



– TRANSITION AREA DETAIL –

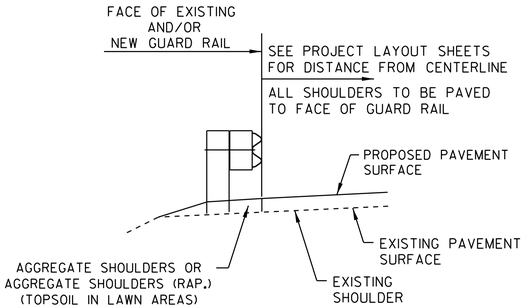
SOUTH BURLINGTON
STA 196+75 TO 197+75 (END OVERLAY/BEGIN COLD PLANE)



– COLD PLANING DETAIL BRIDGES –

WILLISTON
BRIDGE #30 – STA 22+02

SOUTH BURLINGTON
BRIDGE #31 – STA 139+83



– 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)

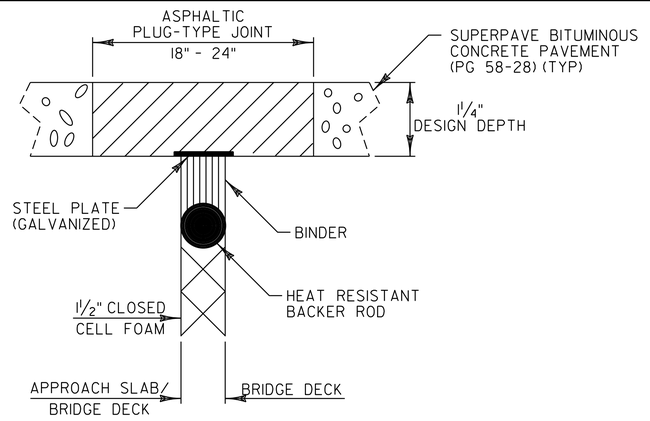
AGRICULTURAL LIMESTONE:
TO BE APPLIED AT THE RATE OF 2.0 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

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 ENGINEER.

PROJECT TYPICAL SHEET #2

DESIGNED BY BCE/PJM DATE 8-06
DRAWN BY C.E.A., INC. DATE 8-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052ty02.i DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **3** OF **42** SHEETS



ASPHALTIC PLUG–TYPE JOINT DETAIL

LOCATION

SOUTH BURLINGTON

BRIDGE 31	**STA 138+74**	**32**	**LF**
BRIDGE 31	**STA 139+38**	**32**	**LF**
BRIDGE 31	**STA 140+02**	**32**	**LF**
BRIDGE 31	**STA 140+66**	**32**	**LF**
BRIDGE 31	**STA 141+30**	**32**	**LF**

NOTES:

1. THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S 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 AREA SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
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 1INCH +/- OF BINDER ABOVE THE ROD.
6. THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.
7. PLACE ¼ 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 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°F ±.

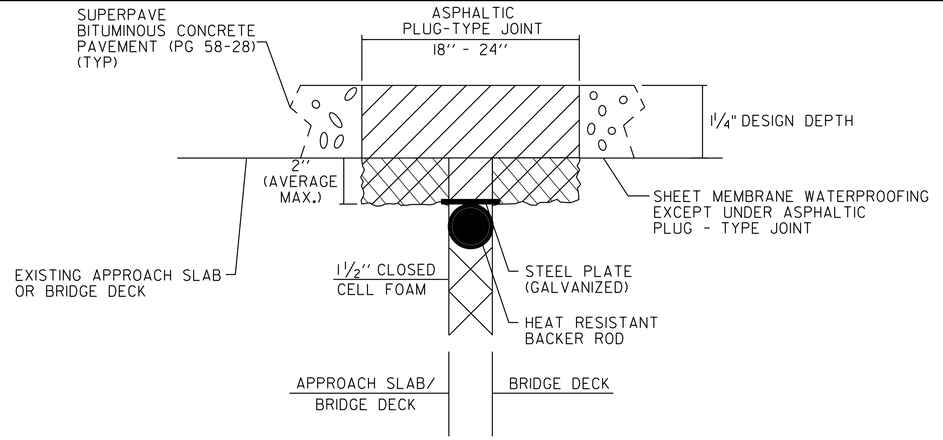
WEATHER LIMITATIONS

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

A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 50° F AND RISING.

B. THE ROAD SURFACE IS SUFFICIENTLY DRY.

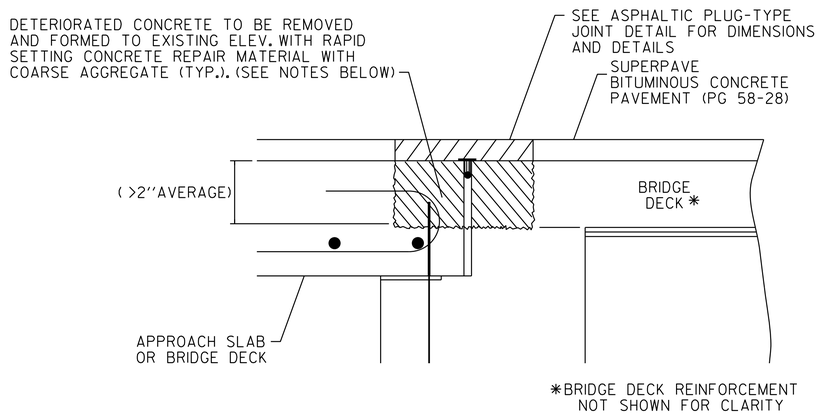
C. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



ASPHALTIC PLUG–TYPE JOINT DETAIL REMOVAL OF UP TO 2'' DETERIORATED CONCRETE

NOTES:

1. UPON ENCOUNTERING UP TO 2'' AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH REQUIRED TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.



ASPHALTIC PLUG–TYPE JOINT DETAIL REMOVAL OF >2'' DETERIORATED CONCRETE

NOTES:

1. UPON ENCOUNTERING GREATER THAN 2'' AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

ASPHALTIC PLUG JOINT DETAIL SHEET

PROJECT NAME: St. George-So. Burlington
PROJECT NUMBER: ST-STP 2508(I)S

FILE NAME: p05b052.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: M.J.M.
IPARM FILE: p05b052pdsl.i

PLOT DATE: 03-MAY-2012 1
DRAWN BY: C.A.K.
CHECKED BY: D.W.E.
SHEET 4 OF 42

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

APPROXIMATE SUMMARY OF QUANTITIES

NON PART.	EMPLOYEE TRAINEESHIP	FULL CE	BRIDGE	ROADWAY	ALTERNATE A	ALTERNATE B	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
				50			50	CY	COMMON EXCAVATION	203.15	18
				5			5	CY	SOLID ROCK EXCAVATION	203.16	EST
				50			50	CY	EARTH BORROW	203.30	EST.
				1			1	CY	TRENCH EXCAV. OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST
				17 000			17 000	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	294
				700			700	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	50
				900			900	TON	AGGREGATE SHOULDERS	402.12	48
				1050			1050	TON	AGGREGATE SHOULDERS, RAP	402.13	37
				358			358	CWT	EMULSIFIED ASPHALT	404.65	18
				1			1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	--
			180				180	FT	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	20
			100				100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST
				2			2	EA	CHANGING ELEVATION OF D.I.'S, C.B'S. OR M.H.'S	604.40	EST
				8			8	EA	REHABILITATION OF D.I., C.B. OR M.H. CLASS I	604.412	EST
				120			120	HR	POWER GRADER RENTAL	608.15	EST
				300			300	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST
				100			100	HR	POWER BROOM RENTAL, TYPE I	608.30	EST
				125			125	HR	POWER BROOM RENTAL, TYPE II	608.31	
				300			300	HR	TRUCK RENTAL	608.37	EST
				120			120	HR	LOADER RENTAL, TYPE I	608.40	EST
				1125			1125	CY	STONE FILL, TYPE I	613.10	28
				2			2	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	EST
				40			40	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5IN	618.10	10
				10			10	TON	BITUMINOUS CONCRETE SIDEWALK	618.15	--
				250			250	SF	DETECTABLE WARNING SURFACE	618.30	30
				1 350			1 350	FT	STEEL BEAM GUARD RAIL, GALVANIZED	621.20	25
				1 400			1 400	FT	STEEL BEAM GUARD RAIL, GALVANIZED W/8FT POSTS	621.205	50
				8			8	EA	MANUFACTURED TERMINAL SECTION, FLARED	621.50	--
				10			10	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	--
				2 775			2 775	FT	REMOVAL AND DISPOSAL OF GUARD RAIL	621.80	12.5
				2			2	FT	REMOVAL AND DISPOSAL OF GUIDE POSTS	621.81	12.5
				2 000			2 000	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST
				4 500			4 500	HR	FLAGGERS	630.15	EST
	1						1	LS	FIELD OFFICE, ENGINEERS	631.10	*
	1						1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	--
	1						1	LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	*
				1			1	LS	MOBILIZATION/DEMOBILIZATION	635.11	EST
				1			1	LS	TRAFFIC CONTROL	641.10	EST
				1			1	LS	PUBLIC RELATIONS OFFICER	641.12	--
				6			6	EA	PORTABLE CHANGEABLE MESSAGE SIGNS	641.15	--

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING - BITUMINOUS PAVEMENT
333	SY	BEGIN PROJECT
9692	SY	SOUTH BURLINGTON
4 985	SY	TOWN HIGHWAYS
500	SY	DRIVES
1 196	SY	BRIDGES
294	SY	ROUNDING
17 000	SY	TOTAL
		BITUMINOUS CONCRETE PAVEMENT (PG 58-28)
		TYPE IVS (LEVELING)
3 976	TON	MAINLINE
163	TON	TURN LANES
		TYPE IVS (WEARING)
11 929	TON	MAINLINE
488	TON	TURN LANES
415	TON	TOWN HIGHWAYS
111	TON	DRIVES
418	TON	ROUNDING
17 500	TON	TOTAL
		SUBBASE OF CRUSHED GRAVEL, FINE GRADED
540	TON	NEW PAVED SHOULDERS
110	TON	SIDEWALK RAMPS
50	TON	ROUNDING
700	TON	ESTIMATED TOTALS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS FROM	STATIONS TO	PAVEMENT WIDTHS			EQUATIONS +	EQUATIONS -	FEET	MILES	REMARKS

TOTALS

* SHEET REVISED 7 JULY 2008

QUANTITY SHEET #1

PROJECT NAME **ST. GEORGE-SO. BURLINGTON**
PROJECT NUMBER **ST-STP 2508(1)S**

DATE PLOTTED 03-MAY-2012 17

SHEET **5** OF **42** SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

APPROXIMATE SUMMARY OF QUANTITIES

NON PART.	EMPLOYEE TRAINEESHIP	FULL CE	BRIDGE	ROADWAY	ALTERNATE A	ALTERNATE B	QUANTITIES GRAND TOTAL	UNIT	ITEMS		
				85 000			85 000	FT	4IN WHITE LINE	646.20	502
				85 000			85 000	FT	4IN YELLOW LINE	646.21	1186
				250			250	FT	8IN WHITE LINE	646.22	8
				1000			1000	FT	8IN YELLOW LINE	646.23	90
				450			450	FT	24 IN STOP BAR	646.26	6
				280			280	EA	LETTER OR SYMBOL	646.30	6
				410			410	FT	CROSSWALK MARKING	646.31	6
				85 000			85 000	FT	TEMPORARY 4IN WHITE LINE, PAINT	646.602	502
				85 000			85 000	FT	TEMPORARY 4IN YELLOW LINE, PAINT	646.612	1186
				225			225	FT	TEMPORARY 8IN WHITE LINE, PAINT	646.642	31
				225			225	FT	TEMPORARY 8IN YELLOW LINE, PAINT	646.652	31
				510			510	FT	TEMPORARY 24IN STOP BAR, PAINT	646.682	12
				200			200	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	--
				700			700	FT	TEMPORARY CROSSWALK MARKING, PAINT	646.702	14
				1 000			1 000	EA	LINE STRIPING TARGETS	646.76	EST
				4 800			4 800	SY	GEOTEXTILE UNDER STONE FILL	649.31	42
				100			100	LB	SEED	651.15	EST
				1 000			1 000	LB	FERTILIZER	651.18	EST
				4			4	TON	AGRICULTURAL LIMESTONE	651.20	EST
				1			1	TON	HAY MULCH	651.25	EST
				50			50	CY	TOPSOIL	651.35	EST
				2 850			2 850	SY	TEMPORARY EROSION MATTING	653.20	46
				545			545	SF	TRAFFIC SIGNS, TYPE A	675.20	4.5
				1 500			1 500	FT	SQUARE TUBE STEEL POST AND ANCHORS	675.341	30
				105			105	EA	REMOVING SIGNS	675.50	--
				28			28	EA	ERECTING SALVAGED SIGNS	675.60	--
				20			20	EA	DELINEATORS WITH STEEL POST	676.10	2
				1			1	EA	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	EST
				37.5			37.5	LF	SPECIAL PROVISION (STEEL BEAM GUARDRAIL, GALVANIZED/NESTED)	900.640	--
									BEGIN ALTERNATE ITEMS		
									ALTERNATE A		
					17 500		17 500	TON	SUPERPAVE BITUMINOUS CONCRETE PAVE. (PG 58-28)	490.30	418
					1		1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	--
					1		1	LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	--
					1		1	LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	--
					1		1	LU	LONG. JOINT COMPACTION PAY ADJUST. (N.A.B.I.)	490.34	--
									ALTERNATE B		
						17 500		TON	SUPERPAVE BITUMINOUS CONCRETE PAVE. (PG 58-28)	490.30	418
						1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	--
									END ALTERNATE ITEMS		

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING - BITUMINOUS PAVEMENT

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

STATIONS		PAVEMENT WIDTHS			EQUATIONS		FEET	MILES	REMARKS
FROM	TO				+	-			

TOTALS

*** SHEET REVISED 7 JULY 2008 (PAGINATION)**

QUANTITY SHEET #2

PROJECT NAME **ST. GEORGE-SO. BURLINGTON**
PROJECT NUMBER **ST-STP 2508(1)S**

DATE PLOTTED 03-MAY-2012 17

SHEET **6** OF **42** SHEETS

ITEM DETAIL SUMMARY SHEET 1

LOCATION			MISCELLANEOUS ITEMS											DRAINAGE ITEMS							GUARD RAIL ITEMS												REMARKS
			203.15	203.16	203.30	301.28	402.12	402.13	616.47	617.10	618.10	618.15	618.30	604.40	604.412	NEW PIPE				613.10	619.17	621.20	621.205	621.21	621.50	900.640	621.60	621.76	621.77	621.80	621.81	676.10	
STA	STA	POS.	COM. EXCAV.	SOLID ROCK EXCAV.	EARTH BORROW	SUBBASE OF CRUSHED GRAVEL, FINE	AGG. SHOULD.	AGG. SHOULD. (RAP)	B. CONC. GUTTER & TRAF. ISLAND	RELOCATE MAILBOX SINGLE SUPPORT	PORT. CEMENT CONC. WALK (5in)	BITUM. CONC. WALK	DETECT. WARN. SURFACE	CHANGE ELEV.	REHAB. D.I. CLASS I	DIA.	CSP (0.064)	RCP	CPEP	STONE FILL, TYPE I	YIELD. MARKER POSTS	STEEL BEAM G.R.	STEEL BEAM G.R. 8ft POSTS	HEAVY DUTY S.B. G.R.	MANUF. TERMINAL SECTION, FLARED	SPEC. PROV. (S.B. GR. GALV. NESTED)	ANCHOR FOR S.B. RAIL	REPLACE G.R. POST ASSEMBLY	REPLACE G.R. BEAM UNIT	REMOVE & DISP. OF GUARD RAIL	REMOVE & DISP. OF GUIDE POSTS	DELIN. w/STEEL POSTS	
			CY	CY	CY	TON	TON	TON	TON	EA	SY	TON	SF	EA	EA	in	FT	FT	FT	CY	EA	FT	FT	FT	EA	FT	EA	EA	EA	FT	EA	EA	
ST. GEORGE																																	
0+00	53+57	LT&RT				180		260																									ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
9+15	9+90	RT			50			10														75					2			75		2	REPLACE EXISTING STEEL BEAM GUARD RAIL.
9+35	10+10	LT			50			10														75					2			75		2	REPLACE EXISTING STEEL BEAM GUARD RAIL.
36+30	47+05	LT			50			10							1							200	800		2					975		2	REPLACE EXISTING STEEL BEAM GUARD RAIL, REHAB D. I. AT STA 44+10.
SHELBURNE																																	
0+00	62+21	LT&RT				200		345																									ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
0+00	1+75	RT																		40													STONE TO STABILIZE BANK.
ST. GEORGE																																	
53+57	85+61	LT&RT						156																									ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
68+70		RT													1																		REHAB D. I.
SHELBURNE																																	
62+21	89+29	LT&RT				90		92																									ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
74+00	78+50	LT			50			10															375		2					450		2	REPLACE EXISTING STEEL BEAM GUARD RAIL, REDUCED POST SPACING AT POWER POLE AT STA 78+25.
WILLISTON																																	
0+00	22+02	LT&RT				70		89																									ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
WILL.	SO. BUR.																																
20+56	0+79	LT			50			10															112.5		2	37.5				175		2	REPLACE EXISTING STEEL BEAM GUARD RAIL.
WILL.	SO. BUR.																																
20+96	0+84	RT			50			10															~~87.5~~ 75		2	37.5				187.5		2	REPLACE EXISTING STEEL BEAM GUARD RAIL.
SO. BURLINGTON																																	
0+00	223+34	LT&RT					822																										ESTIMATED QUANTITIES TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
133+45		RT		1		10					10		20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
134+01	138+38	LT			25		5															437.5				1			437.5		1	REPLACE EXISTING STEEL BEAM GUARD RAIL, ATTACH TO EXISTING BRIDGE APPROACH RAIL @ STA 138+38.
136+22	138+34	RT			25		5															212.5				1			212.5		1	REPLACE EXISTING STEEL BEAM GUARD RAIL, ATTACH TO EXISTING BRIDGE APPROACH RAIL @ STA 138+34.
141+64	142+52	RT			25		5															~~87.5~~ 77				1			~~87.5~~ 75		1	REPLACE EXISTING STEEL BEAM GUARD RAIL, ATTACH TO EXISTING BRIDGE APPROACH RAIL @ STA 142+52.
141+68	142+56	LT			25		5															87.5				1			87.5		1	REPLACE EXISTING STEEL BEAM GUARD RAIL, ATTACH TO EXISTING BRIDGE APPROACH RAIL @ STA 142+56.
159+90		LT		1		10					10		20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
177+40		LT												1																				CHANGE ELEVATION OF D. I.
180+95		LT													1																				REHAB D. I.
183+55		LT													1																				REHAB D. I.
183+35	184+85	RT			50		10															150				2				2	2	REPLACE EXISTING GUIDE POSTS WITH STEEL BEAM GUARD RAIL.
187+02		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
189+80		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
195+00		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
196+95		RT												1																				CHANGE ELEVATION OF D. I.
SHEET SUB-TOTALS			12	2	450	590	852	1013			20	3	100	2	4					40		1325	1375		8	75	10				2762.5	2	18	

ITEM DETAIL SUMMARY SHEET #1

DESIGNED BY BCE/PJM DATE 12-06
DRAWN BY C.E.A., INC. DATE 12-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052id01.i DATE PLOTTED 03-MAY-2012 17:
PROJ. NAME: **ST. GEORGE-SO. BURLINGTON**
PROJ. NO.: **ST-STP 2508(1)S**
SHEET **7** OF **42** SHEETS

ITEM DETAIL SUMMARY SHEET 2

LOCATION			MISCELLANEOUS ITEMS											DRAINAGE ITEMS							GUARD RAIL ITEMS												REMARKS
STA	STA	POS.	203.15 COM. EXCAV.	203.16 SOLID ROCK EXCAV.	203.30 EARTH BORROW	301.28 SUBBASE OF CRUSHED GRAVEL, FINE	402.12 AGG. SHOULD.	402.13 AGG. SHOULD. (RAP)	616.47 B. CONC. GUTTER & TRAF. ISLAND	617.10 RELOCATE MAILBOX SINGLE SUPPORT	618.10 PORT. CEMENT CONC. WALK (5in)	618.15 BITUM. CONC. WALK	618.30 DETECT. WARN. SURFACE	604.40 CHANGE ELEV.	604.412 REHAB. D.I. CLASS I	NEW PIPE DIA.	NEW PIPE CSP (0.064)	NEW PIPE RCP	NEW PIPE CPEP	613.10 STONE FILL, TYPE I	619.17 YIELD. MARKER POSTS	621.20 STEEL BEAM G.R.	621.205 STEEL BEAM G.R. 8ft POSTS	621.21 HEAVY DUTY S.B. G.R.	621.50 MANUF. TERMINAL SECTION, FLARED	900.640 SPEC. PROV. (S.B. GR. GALV. NESTED)	621.60 ANCHOR FOR S.B. RAIL	621.76 REPLACE G.R. POST ASSEMBLY	621.77 REPLACE G.R. BEAM UNIT	621.80 REMOVE & DISP. OF GUARD RAIL	621.81 REMOVE & DISP. OF GUIDE POSTS	676.10 DELIN. w/STEEL POSTS	
			CY	CY	CY	TON	TON	TON	TON	EA	SY	TON	SF	EA	EA	in	FT	FT	FT	CY	EA	FT	FT	FT	EA	FT	EA	EA	EA	FT	EA	EA	
198+10		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
202+48		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
206+10		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
208+80		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
211+70		LT	4			10						1	20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
216+50		RT													1																		REHAB D. I.
217+00		RT													1																		REHAB D. I.
221+45		LT		1		10					10		20																				CONSTRUCT SIDEWALK RAMPS, TYPE I, WITH DETECTABLE WARNING SURFACES.
222+25		LT&RT													2																		REHAB D. I.'S
PROJECT									5											1057													QUANTITY FOR USE AT DITCHING LOCATIONS
SHEET SUB-TOTALS			20	1	-	60	-	-	5		10	5	120	-	4					1057		-	-		-	-	-			-	-	-	
ID#1 SUB-TOTALS			12	2	450	590	852	1013			20	3	100	2	4					40		1325	1375		8	75	10			2762.5	2	18	
PROJECT SUB-TOTALS			32	3	450	650	852	1013	5		30	8	220	2	8					1097		1325	1375		8	75	10			2762.5	2	18	
ROUNDING			18	2	50	50	48	37			10	2	30	-	-					28		25	25		-	-	-			12.5	-	2	
PROJECT TOTALS			50	5	500	700	900	1050	5		40	10	250	2	8					1125		1350	1400		8	75	10			2775	2	20	

ITEM DETAIL SUMMARY SHEET #2

DESIGNED BY BCE/PJM DATE 12-06

DRAWN BY C.E.A., INC. DATE 12-06

DESIGN FILE NO. p05b052.dgn

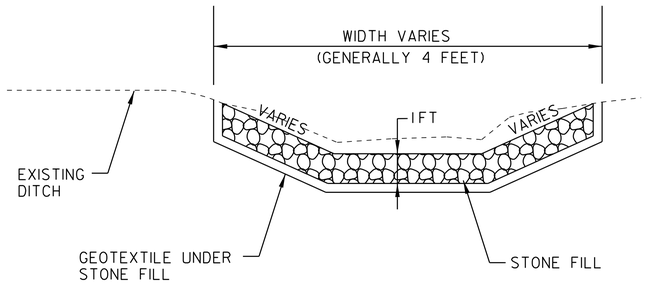
PRF FILE p05b052id02.i DATE PLOTTED 03-MAY-2012 17:

PROJ. NAME: **ST. GEORGE-SO. BURLINGTON**

PROJ. NO.: **ST-STP 2508(1)S**

SHEET **8** OF **42** SHEETS

LOCATION				FEET OF DITCHING				MISC. ITEMS			REMARKS
					PERCENT GRADE			653.20	613.10	649.31	
SITE	STATION	STATION	POS.	0–1	1–2.5	2.5–10	>10	TEMP. EROS. MATT.	STONE FILL TYP. I	GEOT. UNDER STONE FILL	
								SY	CY	SY	
VT ROUTE 116, ST. GEORGE											
DISTRICT #5											
1	0+75	4+75	RT		400			178			
2	10+10	11+60	LT			150			22	100	
3	10+50	16+00	RT			550			82	367	
4	17+50	28+00	RT		700	350		311	52	233	
5	30+50	33+75	RT	325							
6	36+00	39+15	RT			315			47	210	
7	46+00	50+25	RT		200	225		89	33	150	
VT ROUTE 116, SHELBURNE											
8	1+75	3+00	RT			125			19	83	
9	4+50	7+00	LT			250			37	167	
10	13+50	16+00	RT	250							
11	26+25	28+00	LT		175			78			
12	31+50	39+50	LT	200	200	400		89	59	267	
13	32+00	35+00	RT			300			44	200	
14	45+50	48+00	LT&RT			500			74	333	
15	56+50	62+20	RT		570			253			
VT ROUTE 116, ST. GEORGE											
16	53+60	58+00	RT		440			196			
17	58+50	61+50	RT		300			133			
18	63+50	79+00	RT	400	300	850		133	126	567	
VT ROUTE 116, SHELBURNE											
19	66+00	70+00	RT	300		100			15	67	
20	85+50	88+50	LT		300			133			
VT ROUTE 116, WILLISTON											
21	0+00	4+20	RT			420			62	280	
22	1+00	2+50	LT			150			22	100	
23	10+50	18+00	LT			750			111	500	
24	10+50	21+00	RT		200	850		89	126	567	
VT ROUTE 116, SO. BURLINGTON											
25	0+00	4+00	LT&RT		400	400		178	59	267	
26	55+40	63+00	RT	260	500			222			
27	55+40	69+50	LT	260	1,150			511			
28	79+20	80+20	RT			100			15	67	
29	82+25	85+75	RT			350			52	233	
30	86+75	91+50	RT		475			211			
31	117+75	120+50	LT	275							
PROJECT SUBTOTALS				2,270	6,310	7,135		2,804	1,057	4,758	
ROUNDING				30	90	65		46	-	42	
PROJECT TOTALS				2,300	6,400	7,200		2,850	1,057	4,800	



DITCH DETAIL

NOT TO SCALE

NOTES:

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

ESTIMATED QUANTITIES OF TEMPORARY EROSION MATTING, STONE FILL TYPE I, HAVE BEEN INCLUDED. DITCHES WITH A SLOPE LESS THAN 1PERCENT SHALL BE SEEDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 1AND 2 1/2 PERCENT, AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2 1/2 AND 10 PERCENT.

DITCH CLEANING DETAIL SHEET

PROJECT : ST. GEORGE-SO. BURLINGTON

PROJECT NO.: ST-STP 2508(I)S

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052dt01.i
SURVEYED BY: BCE/PJM
SQUAD LEADER: BCE

PLOT DATE: 03-MAY-2012 17
SURVEY DATE: 9-06
DRAWN BY: C.E.A., INC.
SHEET: 9 OF 42


TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE
STA 0+00 TO 42+00 SOLID LT&RT
STA 17+11 DOUBLE SOLID RT
TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE
STA 0+00 TO 42+00 SOLID LT&RT
STA 12+25 TO 13+90 DOTTED RT
STA 13+90 TO 15+80 SOLID RT
8in WHITE LINE
STA 15+80 TO 16+45 RT GORE MARKING
STA 17+00 SOLID RT
TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR
STA 17+11 RT VT ROUTE 2A
REMOVING SIGNS
4
VT ROUTE 116
STA 0+00 = MM 0.000
BEGIN PROJECT STP 2508(1)S
STA 9+35 TO 10+10 LT
REMOVAL AND DISPOSAL OF GUARD RAIL
STA 9+35 LT
INSTALL ANCHOR FOR STEEL BEAM RAIL
STA 9+35 TO 10+10 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED
STA 10+10 LT
INSTALL ANCHOR FOR STEEL BEAM RAIL
STA 9+15 TO 9+90 RT
REMOVAL AND DISPOSAL OF GUARD RAIL
STA 9+15 RT
INSTALL ANCHOR FOR STEEL BEAM RAIL
STA 9+15 TO 9+90 RT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED
STA 9+90 RT
INSTALL ANCHOR FOR STEEL BEAM RAIL
LETTER OR SYMBOL
STA 13+90 RT ↱
STA 14+58 RT "ONLY"
STA 15+42 RT ↱
STA 16+28 RT "YIELD AHEAD"
STA 17+11 RT (2) "STOP", (4)-▼, ↰ ↱
TEMPORARY LETTER OR SYMBOL (PAINT)
STA 13+90 RT ↱
STA 15+42 RT ↱
STA 16+28 RT "YIELD AHEAD"
STA 17+11 RT (2) "STOP", (4)-▼, ↰ ↱
STA 36+30 TO 42+00 LT
REMOVAL AND DISPOSAL OF GUARD RAIL
STA 36+30 TO 36+67 LT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED
STA 36+67 TO 38+67 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS
STA 38+67 TO 40+67 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED
STA 40+67 TO 42+00 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS
VT ROUTE 2A
STA 17+11
MM 0.324
PAVED
LIMIT OF COLD PLANING & PAVING
TO HINESBURG
TO SHELBURNE
ST. GEORGE
VT ROUTE 116
SOUTHBOUND
NORTHBOUND
MATCH LINE - SEE BELOW
MATCH LINE - SEE ABOVE
MATCH LINE - SEE NEXT SHEET
DOUBLE 4in YELLOW CENTERLINE
4in YELLOW CENTERLINE (DOUBLE)
DURABLE 4in WHITE LINE
DOTTED 4in WHITE LINE
TH #5
STA 30+30
(FIELD MEASURED)
MM 0.574
GRAVEL
REMOVAL AND DISPOSAL OF GUARD RAIL
STA 9+15 TO 9+90 RT
STA 9+35 TO 10+10 LT
STA 36+30 TO 42+00 LT
MANUFACTURED TERMINAL SECTION, FLARED
STA 36+30 TO 36+67 LT
ANCHOR FOR STEEL BEAM RAIL
STA 9+15 RT
STA 9+35 LT
STA 9+90 RT
STA 10+10 LT
STEEL BEAM GUARD RAIL, GALVANIZED
STA 9+15 TO 9+90 RT
STA 9+35 TO 10+10 LT
STA 38+67 TO 40+67 LT
STEEL BEAM GUARD RAIL, GALVANIZED w/8 ft POSTS
STA 36+67 TO 38+67 LT
STA 40+67 TO 42+00 LT
DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)
STA 0+75 TO 4+75 RT
STA 10+50 TO 16+00 RT
STA 17+50 TO 27+00 RT
STA 30+50 TO 33+75 RT
STA 36+00 TO 39+15 RT
LEGEND
N = NEW
R = REMOVE
R&S = REMOVE & SALVAGE
S = SALVAGE
RET = RETAIN
B-TO-B = BACK TO BACK
CATCH BASIN/DI
(N.W.) = NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
YIELDING MARKER POST
UTILITY POLE
DRIVE
PAVING PROJECT LAYOUT SHEET #1
DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la01 DATE PLOTTED 03-MAY-2012
PROJ. NAME ST. GEORGE-SO. BURLINGTON
PROJ. NO. ST-STP 2508(1)S
SHEET 10 OF 42 SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

ST. GEORGE	
STA 42+00 TO 53+57	SOLID LT&RT
SHELBURNE	
STA 0+00 TO 31+00	SOLID LT&RT
STA 1+72	DOUBLE SOLID LT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

ST. GEORGE	
STA 42+00 TO 53+57	SOLID LT&RT
SHELBURNE	
STA 0+00 TO 31+00	SOLID LT&RT

TEMPORARY LETTER OR SYMBOL (PAINT)
LETTER OR SYMBOL

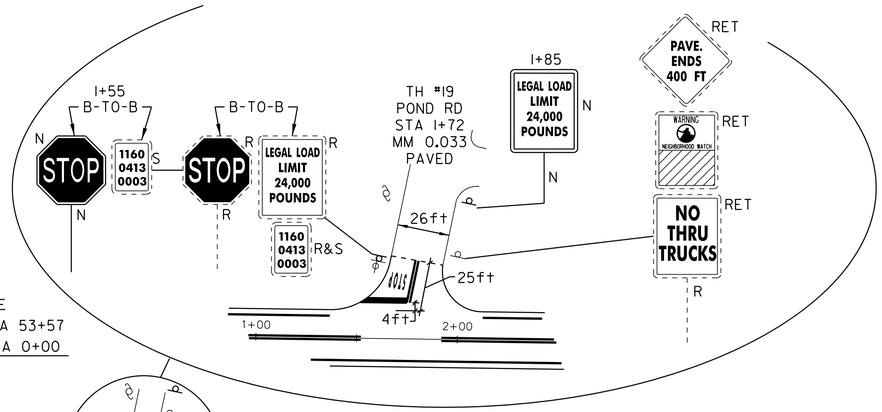
SHELBURNE	
STA 1+72 LT	"STOP"

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

SHELBURNE	
STA 1+72 LT	POND RD

REMOVING SIGNS

3

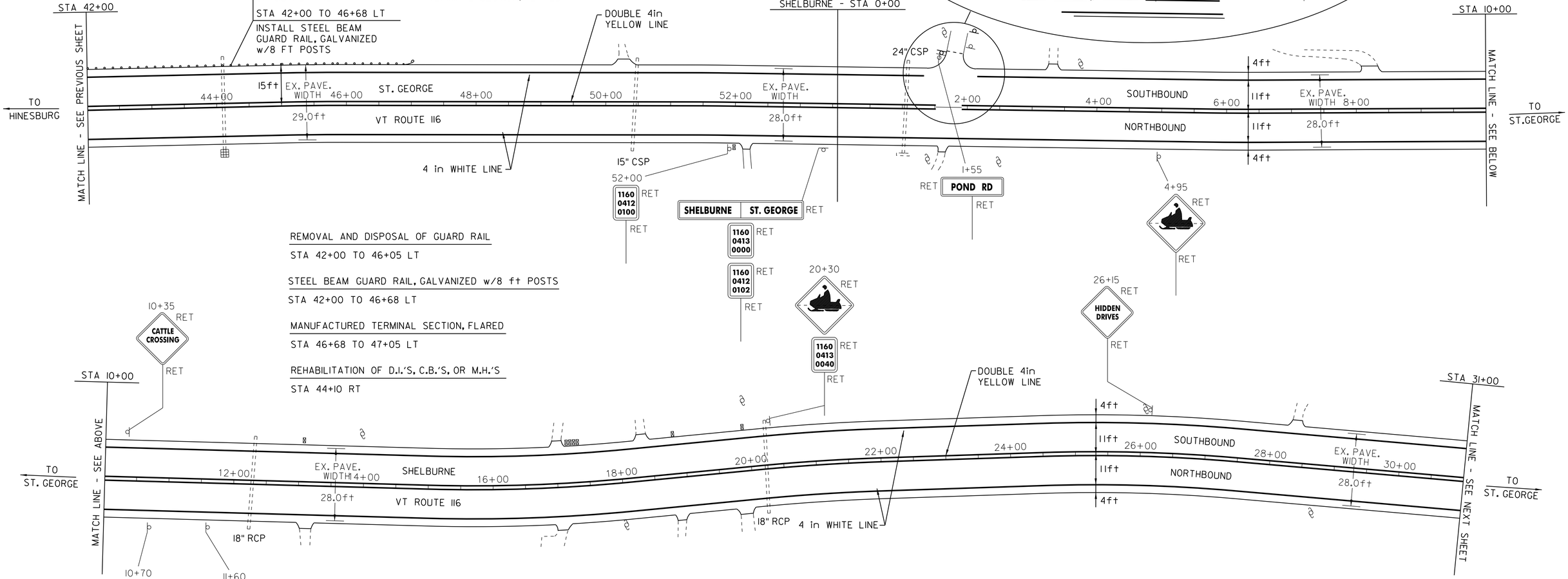


STA 42+00 TO 46+05 LT
REMOVAL AND DISPOSAL OF GUARD RAIL

STA 46+68 TO 47+05 LT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED

STA 42+00 TO 46+68 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

TOWN LINE
ST. GEORGE - STA 53+57
SHELBURNE - STA 0+00



REMOVAL AND DISPOSAL OF GUARD RAIL
STA 42+00 TO 46+05 LT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 ft POSTS
STA 42+00 TO 46+68 LT

MANUFACTURED TERMINAL SECTION, FLARED
STA 46+68 TO 47+05 LT

REHABILITATION OF D.I.'S, C.B.'S, OR M.H.'S
STA 44+10 RT

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)
TOWN OF ST. GEORGE
STA 46+00 TO 50+25 RT

TOWN OF SHELBURNE
STA 1+75 TO 3+00 RT
STA 4+50 TO 7+00 LT
STA 13+50 TO 16+00 RT
STA 26+25 TO 28+00 LT

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ⊞ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #2

DESIGNED BY	BCE/PJM — DATE 10-06
DRAWN BY	C.E.A., INC. — DATE 10-06
DESIGN FILE NO.	p05b052.dgn
PRF FILE	p05b052la02 — DATE PLOTTED 03-MAY-2012 17
PROJ. NAME	**ST. GEORGE–SO. BURLINGTON**
PROJ. NO.	**ST-STP 2508(1)S**
SHEET	**11** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

SHELBURNE	
STA 31+00 TO 62+21	SOLID LT&RT
ST. GEORGE	
STA 53+57 TO 65+00	SOLID LT&RT

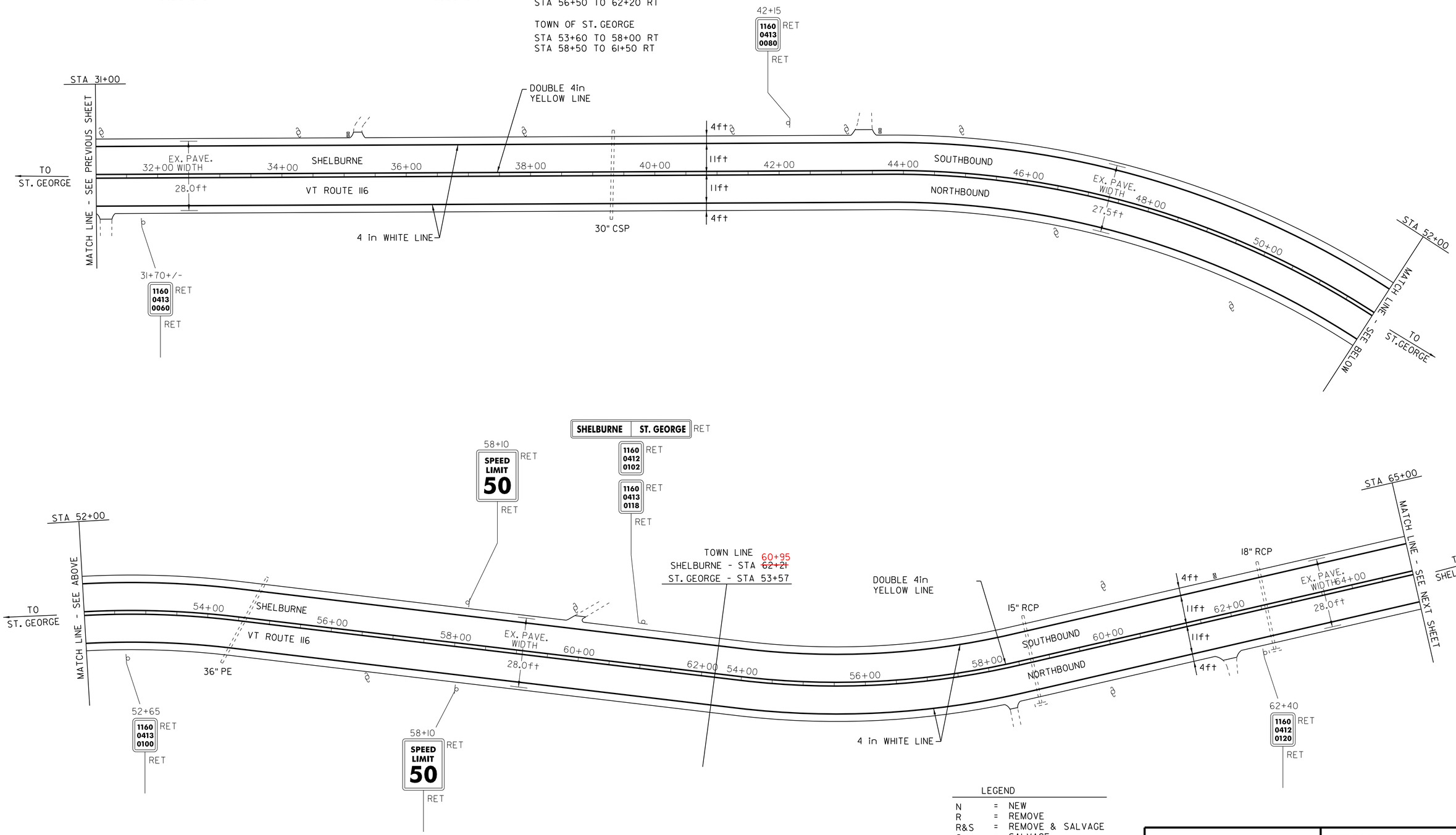
TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

SHELBURNE	
STA 31+00 TO 62+21	SOLID LT&RT
ST. GEORGE	
STA 53+57 TO 65+00	SOLID LT&RT

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)

TOWN OF SHELBURNE
STA 31+50 TO 39+50 LT
STA 32+00 TO 35+00 RT
STA 45+50 TO 48+00 LT&RT
STA 56+50 TO 62+20 RT

TOWN OF ST. GEORGE
STA 53+60 TO 58+00 RT
STA 58+50 TO 61+50 RT



LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #3

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la03 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **12** OF **42** SHEETS

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

STA 68+70 RT

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)

TOWN OF ST. GEORGE

STA 66+70 TO 68+70 RT
STA 72+50 TO 77+75 RT
STA 78+00 TO 79+00 RT

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

ST. GEORGE	
STA 65+00 TO 85+61	SOLID LT&RT
STA 79+26	DOUBLE SOLID RT
STA 84+39	DOUBLE SOLID RT
SHELBURNE	
STA 62+21 TO 76+00	SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

ST. GEORGE	
STA 65+00 TO 85+61	SOLID LT&RT
SHELBURNE	
STA 62+21 TO 76+00	SOLID LT&RT

TEMPORARY LETTER OR SYMBOL (PAINT)
LETTER OR SYMBOL

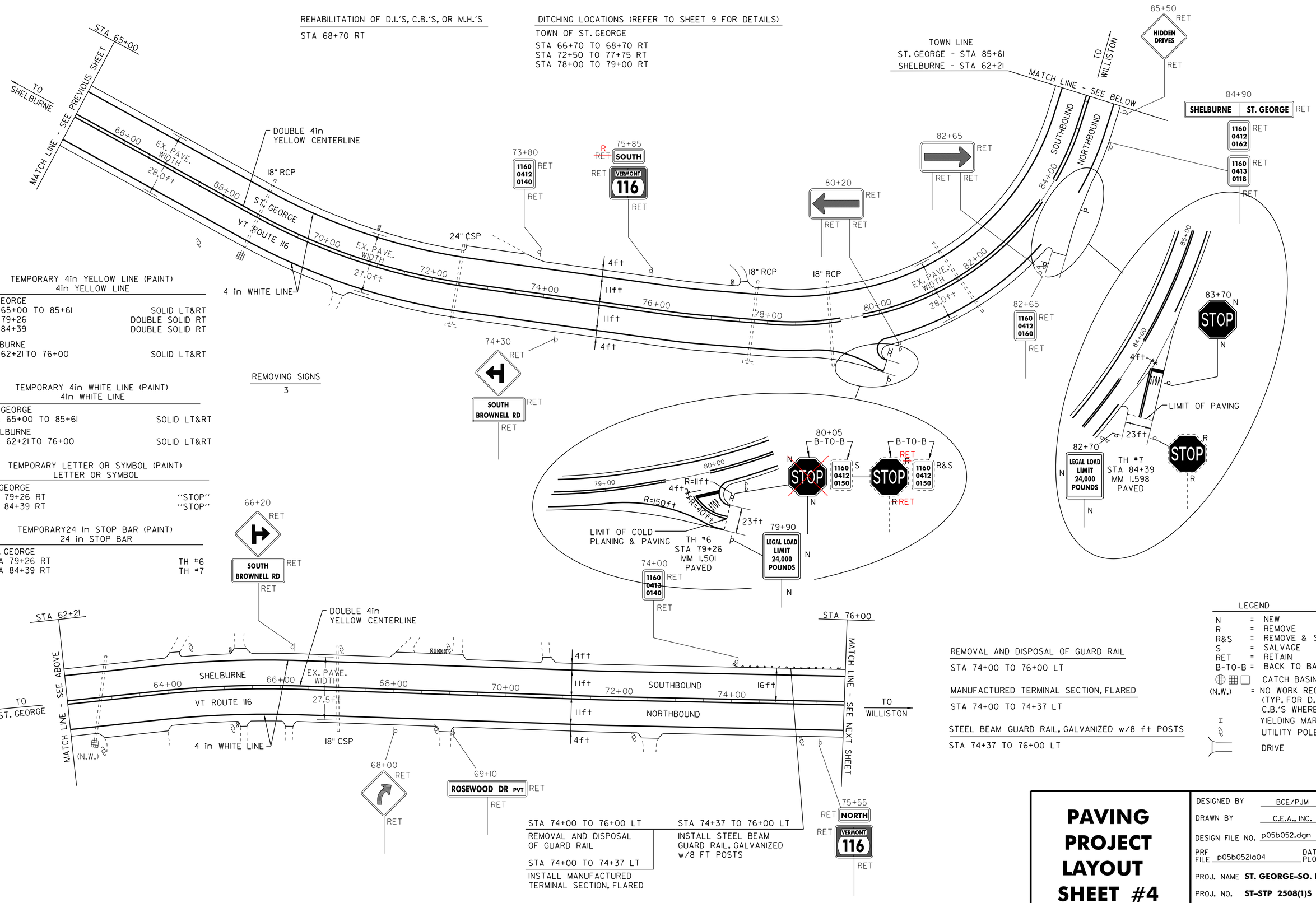
ST. GEORGE	
STA 79+26 RT	"STOP"
STA 84+39 RT	"STOP"

TEMPORARY24 in STOP BAR (PAINT)
24 in STOP BAR

ST. GEORGE	
STA 79+26 RT	TH #6
STA 84+39 RT	TH #7

REMOVING SIGNS

3



STA 74+00 TO 76+00 LT

REMOVAL AND DISPOSAL OF GUARD RAIL

STA 74+00 TO 74+37 LT

INSTALL MANUFACTURED TERMINAL SECTION, FLARED

STA 74+37 TO 76+00 LT

INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

REMOVAL AND DISPOSAL OF GUARD RAIL

STA 74+00 TO 76+00 LT

MANUFACTURED TERMINAL SECTION, FLARED

STA 74+00 TO 74+37 LT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 ft POSTS

STA 74+37 TO 76+00 LT

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
	=	CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
	=	YIELDING MARKER POST
	=	UTILITY POLE
	=	DRIVE

PAVING PROJECT LAYOUT SHEET #4

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la04 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **13** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE)

SHELBURNE	
STA 76+00 TO 89+29	SOLID LT&RT
WILLISTON	
STA 0+00 TO 22+02	SOLID LT&RT
SOUTH BURLINGTON	
STA 0+00 TO 1+00	SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

SHELBURNE	
STA 76+00 TO 89+29	SOLID LT&RT
WILLISTON	
STA 0+00 TO 22+02	SOLID LT&RT
SOUTH BURLINGTON	
STA 0+00 TO 1+00	SOLID LT&RT

87+55 RET

83+70 RET
1160 0413 0140
RET

80+85 RET
HIDDEN DRIVES
RET

78+50 RET
SCHOOL BUS STOP AHEAD
RET

DOUBLE 4in YELLOW CENTERLINE

TOWN LINE
SHELBURNE - STA 89+29
WILLISTON - STA 0+00

STA 7+00

MATCH LINE - SEE BELOW

TO SO. BURLINGTON

STA 76+00 TO 78+50 LT
REMOVAL AND DISPOSAL OF GUARD RAIL

STA 76+00 TO 78+13 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

STA 78+13 TO 78+50 LT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED

SHELBURNE
VT ROUTE 116
WILLISTON
SOUTHBOUND
NORTHBOUND

EX. PAVE. WIDTH 86+00 — 27.0ft
EX. PAVE. WIDTH — 28.0ft

4ft
11ft
11ft
4ft

4 in WHITE LINE

0+00 SHELBURNE | WILLISTON RET
1160 0417 0000 RET
1160 0413 0169 RET

2.5ft
18" RCP
EX. PAVE. WIDTH 78+00
28.0ft
15.5ft
18" CSP

STA 78+25 LT
REDUCED POST SPACING REQUIRED @ POLE
SEE DETAIL, SHEET 39

STA 76+00
MATCH LINE - SEE PREVIOUS SHEET
TO ST. GEORGE

REMOVAL AND DISPOSAL OF GUARD RAIL

TOWN OF WILLISTON
STA 76+00 TO 78+50 LT
STA 21+06 TO 22+02 LT
STA 20+96 TO 22+02 RT

CITY OF SOUTH BURLINGTON
STA 0+00 TO 0+79 LT
STA 0+00 TO 0+84 RT

MANUFACTURED TERMINAL SECTION, FLARED

TOWN OF WILLISTON
STA 78+13 TO 78+50 LT
STA 20+48 TO 20+96 LT
STA 21+93 TO 21+30 RT

CITY OF SOUTH BURLINGTON
STA 0+47 TO 0+85 LT
STA 0+52 TO 0+79 RT

STEEL BEAM GUARD RAIL, GALVANIZED w/8 ft POSTS

TOWN OF WILLISTON
STA 76+00 TO 78+13 LT
STA 20+86 TO 21+86 LT
STA 21+30 TO 21+80 RT

CITY OF SOUTH BURLINGTON
STA 0+22 TO 0+47 LT
STA 0+15 TO 0+52 RT

SPECIAL PROVISION (STEEL BEAM GUARDRAIL, GALVANIZED/NESTED)

TOWN OF WILLISTON
STA 21+86 TO 22+02 LT
STA 21+80 TO 22+02 RT

CITY OF SOUTH BURLINGTON
STA 0+00 TO 0+22 LT
STA 0+00 TO 0+15 RT

STA 21+06 TO 22+02 LT
REMOVAL AND DISPOSAL OF GUARD RAIL

STA 20+48 TO 20+86 LT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED

STA 20+86 TO 21+86 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

21+94 N N

TOWN LINE
WILLISTON - STA 22+02
SOUTH BURLINGTON - STA 0+00

0+08 N N

STA 1+00

STA 0+00 TO 0+79 LT
REMOVAL AND DISPOSAL OF GUARD RAIL

STA 0+22 TO 0+47 LT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

STA 0+47 TO 0+85 LT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED

STA 7+00

MATCH LINE - SEE ABOVE

TO SHELBURNE

EX. PAVE. WIDTH 8+00 — 28.0ft
10+00 WILLISTON 12+00 14+00 16+00
EX. PAVE. WIDTH 18+00 — 27.0ft
SOUTHBOUND 20+00
VT ROUTE 116
NORTHBOUND

26.5ft

MATCH LINE - SEE NEXT SHEET

TO U.S. ROUTE 2

DOUBLE 4in YELLOW CENTERLINE

4 in WHITE LINE

10+45 RET
1160 0417 0020
RET

STA 0+00 TO 0+84 RT
REMOVAL AND DISPOSAL OF GUARD RAIL

STA 0+15 TO 0+52 RT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

STA 0+52 TO 0+79 RT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED

STA 20+96 TO 22+02 RT
REMOVAL AND DISPOSAL OF GUARD RAIL

STA 20+93 TO 21+30 RT
INSTALL MANUFACTURED TERMINAL SECTION, FLARED

STA 21+30 TO 21+80 RT
INSTALL STEEL BEAM GUARD RAIL, GALVANIZED w/8 FT POSTS

21+94 N N

0+08 N N

BRIDGE #30
STA 22+02 = MM 0.417
COLD PLANE 1¼in,
PAVE w/1¼in, TYPE IVS

0+00 SO. BURLINGTON | WILLISTON RET
RET

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)

TOWN OF WILLISTON
STA 0+00 TO 2+50 RT
STA 1+00 TO 2+50 LT
STA 10+50 TO 18+00 LT
STA 10+50 TO 21+00 RT

LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-TO-B	= BACK TO BACK
⊕ ⊞ □	CATCH BASIN/DI
(N.W.)	= NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I	YIELDING MARKER POST
	UTILITY POLE
	DRIVE

PAVING PROJECT LAYOUT SHEET #5

DESIGNED BY	BCE/PJM	DATE	10-06
DRAWN BY	C.E.A., INC.	DATE	10-06
DESIGN FILE NO.	p05b052.dgn		
PRF FILE	p05b052la05	DATE PLOTTED	03-MAY-2012 17
PROJ. NAME	**ST. GEORGE–SO. BURLINGTON**		
PROJ. NO.	**ST-STP 2508(1)S**		
SHEET	**14** OF **42** SHEETS		

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 1+00 TO 43+00	SOLID LT&RT
STA 12+92	DOUBLE SOLID LT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 1+00 TO 43+00	SOLID LT&RT

TEMPORARY LETTER OR SYMBOL (PAINT)
LETTER OR SYMBOL

STA 12+92 LT	"STOP"

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

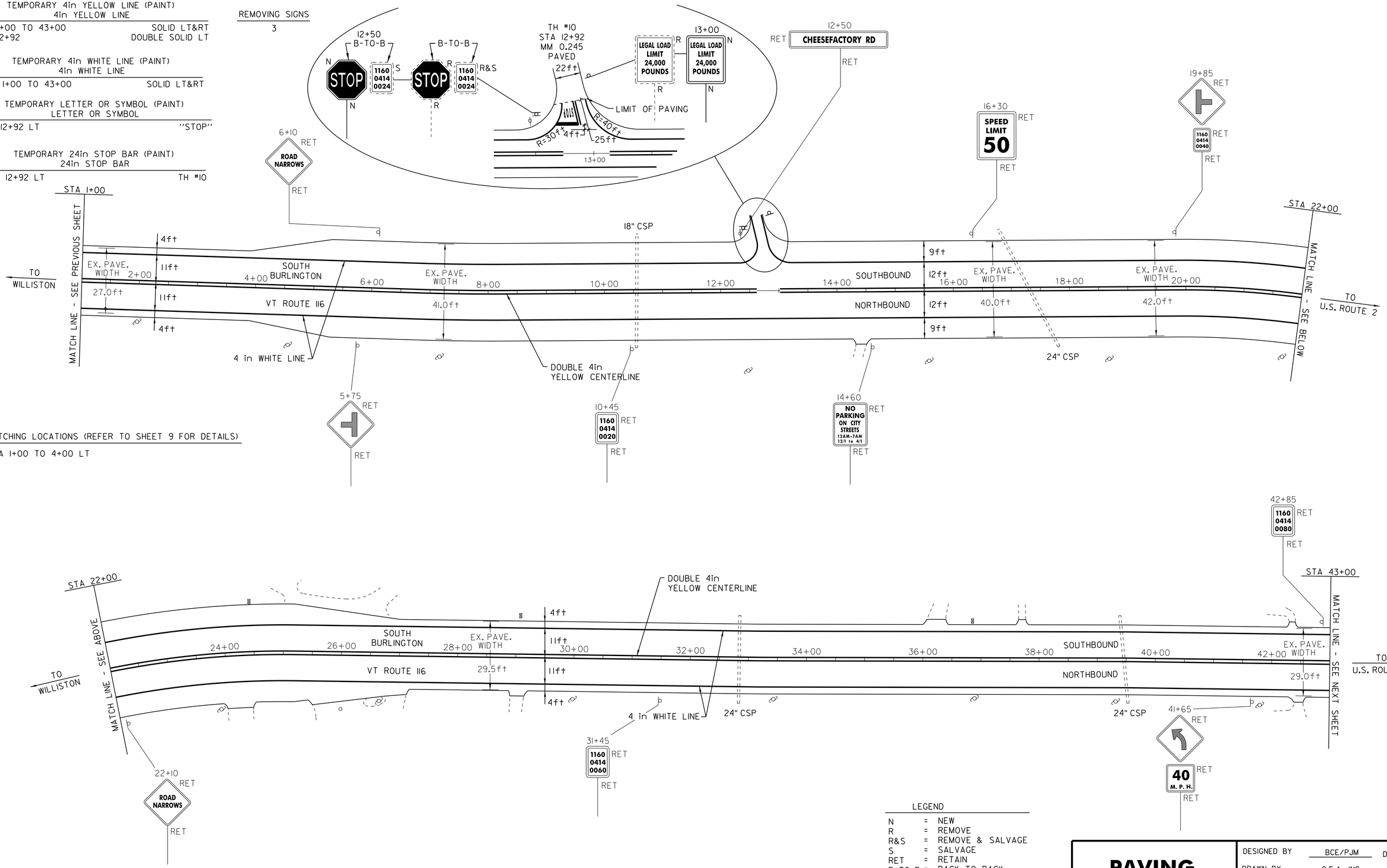
STA 12+92 LT	TH #10

REMOVING SIGNS

3

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)

STA 1+00 TO 4+00 LT



LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #6

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la06 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **15** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 43+00 TO 85+00	SOLID LT&RT
STA 63+37	DOUBLE SOLID RT
STA 73+45	DOUBLE SOLID RT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 43+00 TO 85+00	SOLID LT&RT

TEMPORARY LETTER OR SYMBOL (PAINT)
LETTER OR SYMBOL

STA 63+37 RT	"STOP"
STA 73+45 RT	"STOP"

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 63+37 RT	TH #23
STA 73+45 RT	TH #146

REMOVING SIGNS
6

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)

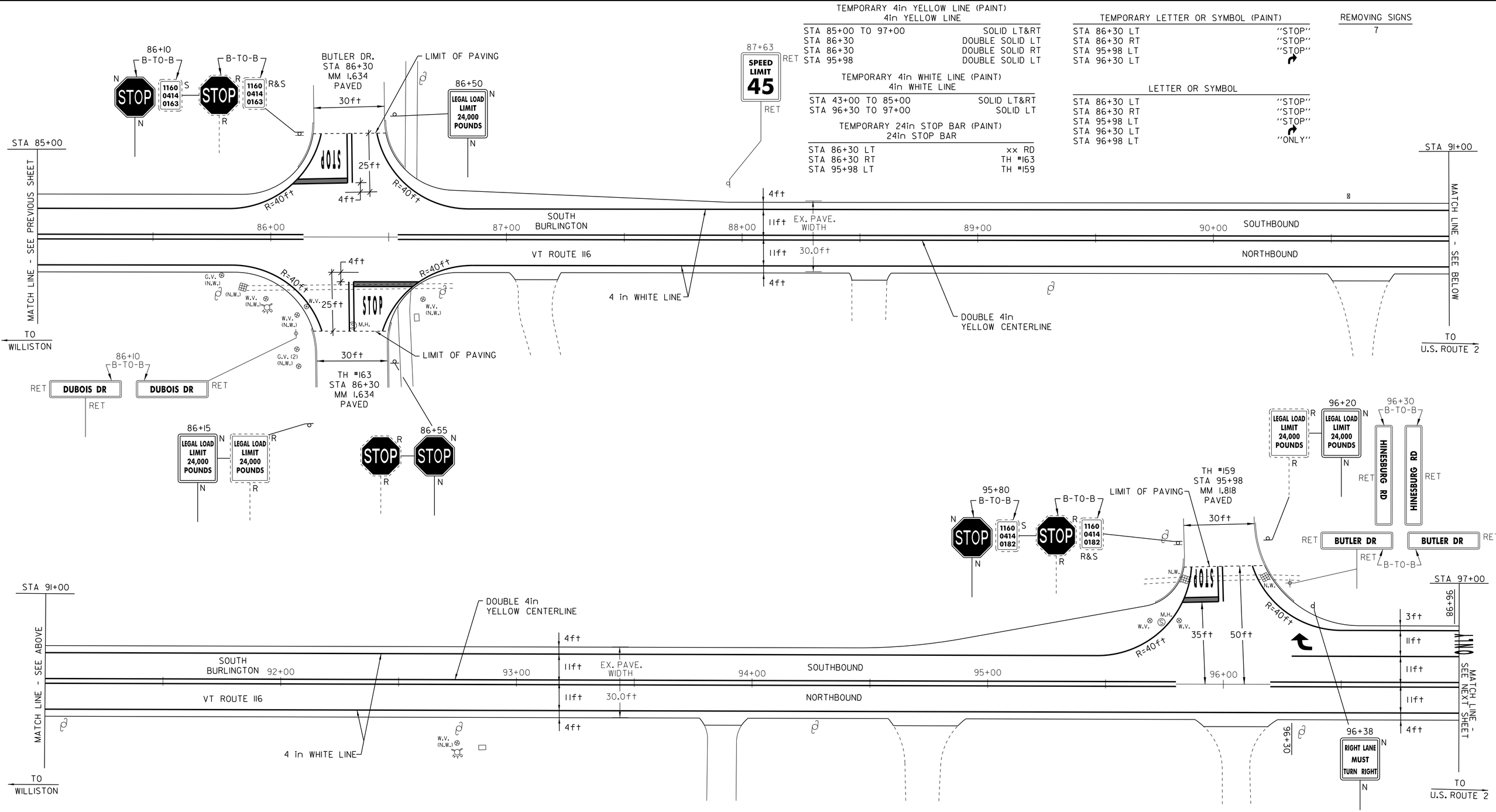
STA 55+40 TO 63+00 RT
STA 55+40 TO 69+50 LT

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #7

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la07 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **16** OF **42** SHEETS



TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 85+00 TO 97+00	SOLID LT&RT
STA 86+30	DOUBLE SOLID LT
STA 86+30	DOUBLE SOLID RT
STA 95+98	DOUBLE SOLID LT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 43+00 TO 85+00	SOLID LT&RT
STA 96+30 TO 97+00	SOLID LT

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 86+30 LT	xx RD
STA 86+30 RT	TH #163
STA 95+98 LT	TH #159

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 86+30 LT	"STOP"
STA 86+30 RT	"STOP"
STA 95+98 LT	"STOP"
STA 96+30 LT	↱

LETTER OR SYMBOL

STA 86+30 LT	"STOP"
STA 86+30 RT	"STOP"
STA 95+98 LT	"STOP"
STA 96+30 LT	↱
STA 96+98 LT	"ONLY"

REMOVING SIGNS
7

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

DITCHING LOCATIONS (REFER TO SHEET 9 FOR DETAILS)

STA 86+75 TO 90+50 RT

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 86+30 RT
STA 95+75 LT

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 86+15 RT
STA 95+70 LT
STA 95+80 LT

PAVING PROJECT LAYOUT SHEET #8

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la08 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **17** OF **42** SHEETS

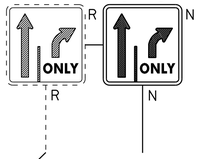
TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 97+00 TO 108+00	SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 97+00 TO 108+00	SOLID LT&RT
STA 97+00 TO 97+75	SOLID LT
STA 97+75 TO 99+15	DOTTED LT

97+75

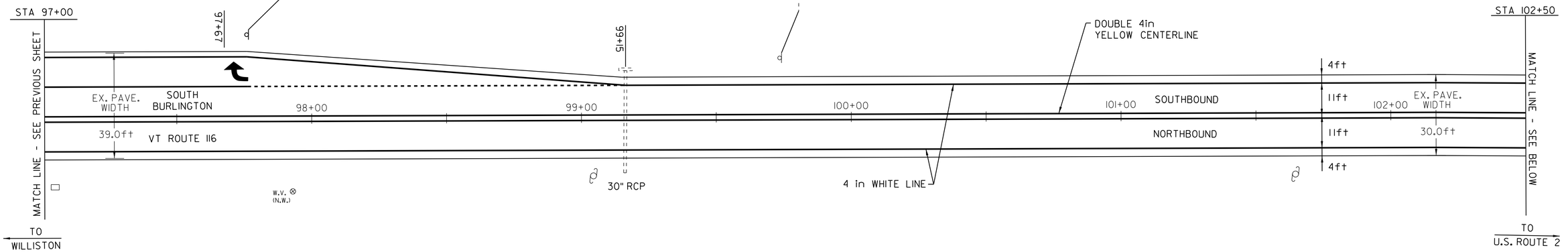


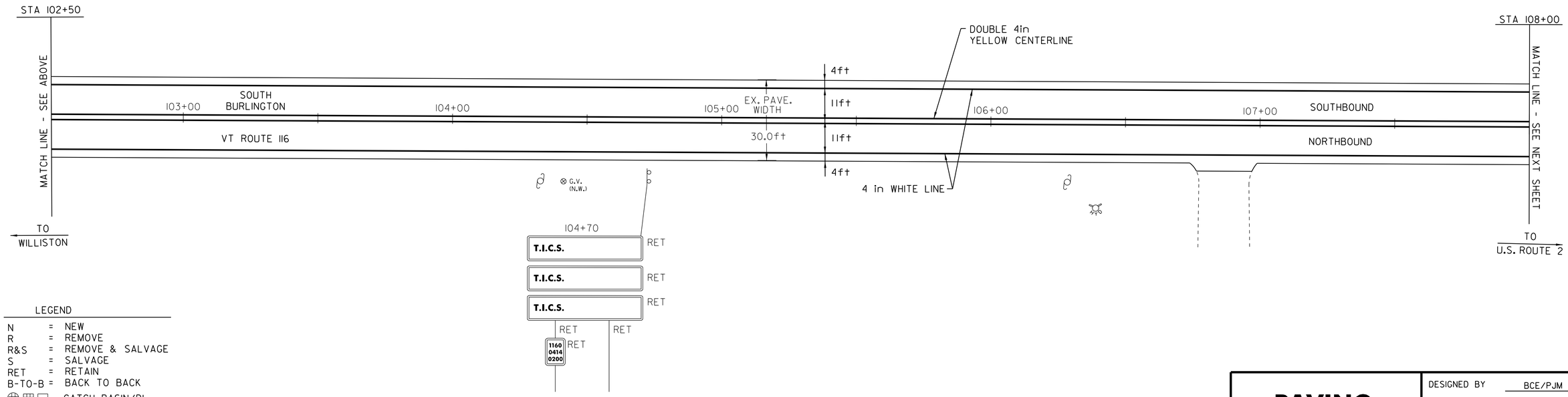
TEMPORARY LETTER OR SYMBOL (PAINT)
STA 97+67 LT

LETTER OR SYMBOL
STA 97+67 LT

REMOVING SIGNS
2

99+75



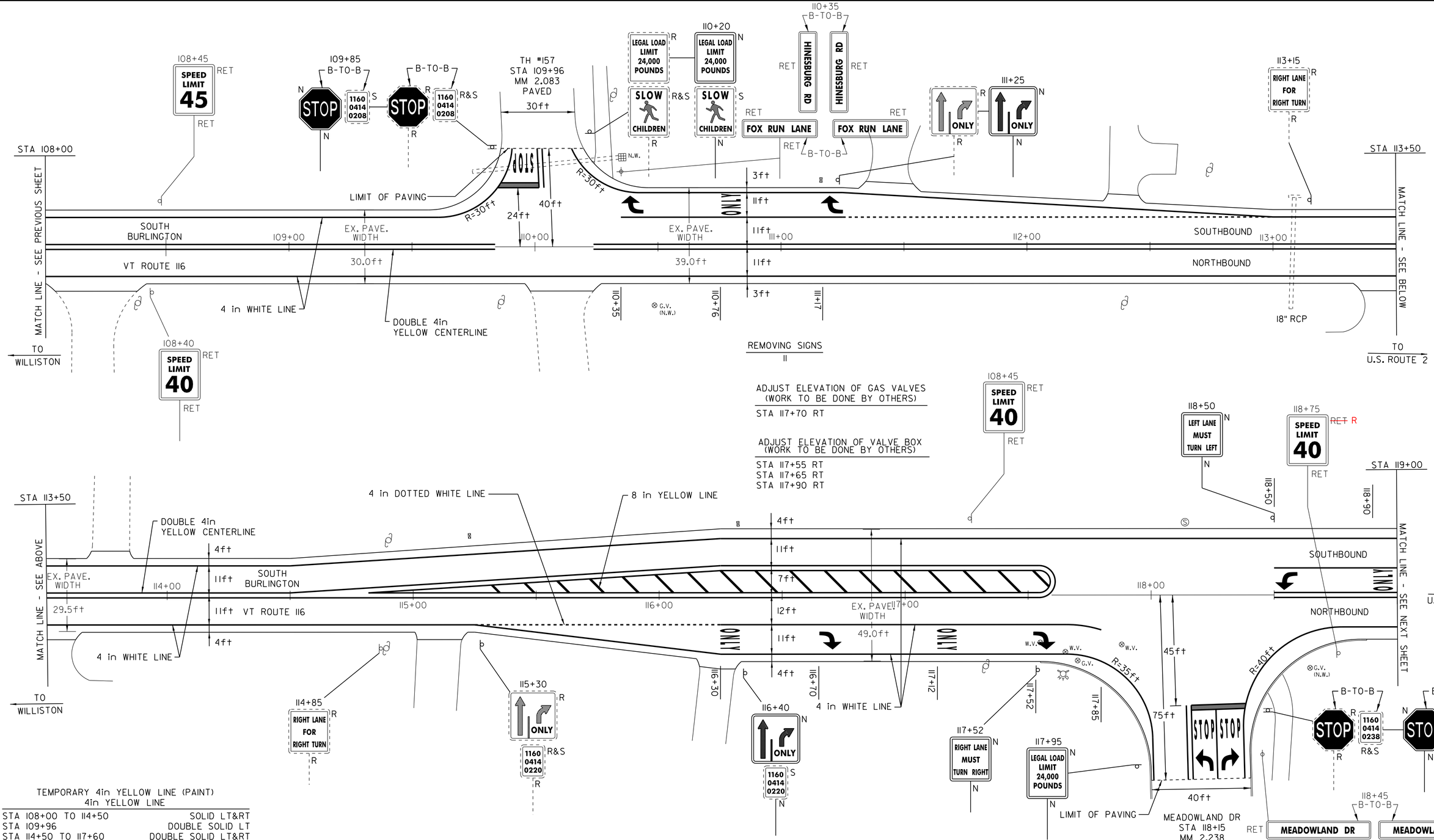


LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #9

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la09 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **18** OF **42** SHEETS



TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 108+00 TO 114+50	SOLID LT&RT
STA 109+96	DOUBLE SOLID LT
STA 114+50 TO 117+60	DOUBLE SOLID LT&RT
STA 118+15	DOUBLE SOLID RT
STA 118+50 TO 119+00	SOLID LT&RT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 108+00 TO 119+00	SOLID LT&RT
STA 110+35 TO 111+25	SOLID LT
STA 111+25 TO 113+00	DOTTED LT
STA 115+30 TO 116+30	DOTTED RT
STA 116+30 TO 117+85	SOLID RT

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 109+96 RT	TH #157
STA 118+50 LT	MEADOWLAND DR

LETTER OR SYMBOL

STA 109+96 LT	"STOP"
STA 110+35 LT	"ONLY"
STA 110+76 LT	"ONLY"
STA 111+17 LT	"ONLY"
STA 116+30 RT	"ONLY"
STA 116+70 RT	"ONLY"
STA 117+12 RT	"ONLY"
STA 117+52 RT	"ONLY"
STA 118+15 RT	2 - "STOP"
STA 118+50 LT	"ONLY"
STA 118+90 LT	"ONLY"

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 109+96 LT	"STOP"
STA 110+35 LT	"ONLY"
STA 111+17 LT	"ONLY"
STA 116+70 RT	"ONLY"
STA 117+52 RT	"ONLY"
STA 118+15 RT	2 - "STOP"
STA 118+50 LT	"ONLY"

8in YELLOW LINE

STA 114+50 TO 117+60	PAINTED ISLAND

LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-TO-B	= BACK TO BACK
	CATCH BASIN/DI
(N.W.)	= NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
	YIELDING MARKER POST
	UTILITY POLE
	DRIVE

PAVING PROJECT LAYOUT SHEET #10

DESIGNED BY	BCE/PJM	DATE	10-06
DRAWN BY	C.E.A., INC.	DATE	10-06
DESIGN FILE NO.	p05b052.dgn		
PRF FILE	p05b0521a10	DATE PLOTTED	03-MAY-2012 17
PROJ. NAME	**ST. GEORGE–SO. BURLINGTON**		
PROJ. NO.	**ST-STP 2508(1)S**		
SHEET	**19** OF **42** SHEETS		

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 119+00 TO 121+25	SOLID LT&RT
STA 121+25 TO 124+50	DOUBLE SOLID LT&RT
STA 124+50 TO 130+00	SOLID LT&RT
STA 129+00 TO 130+00	DOUBLE SOLID LT

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 119+00 TO 130+00	SOLID LT&RT
STA 119+00 TO 120+50	SOLID LT
STA 120+50 TO 122+20	DOTTED LT
STA 129+00 TO 130+00	DOTTED RT

LETTER OR SYMBOL

STA 120+02 LT	
STA 120+42 LT	''ONLY''

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 120+02 LT

8in YELLOW LINE

STA 121+25 TO 124+50	PAINTED ISLAND
STA 129+00 TO 130+00	PAINTED ISLAND

REMOVING SIGNS
2

123+40
T.I.C.S. RET
T.I.C.S. RET
T.I.C.S. RET
RET RET

STA 119+00
MATCH LINE - SEE PREVIOUS SHEET
5ft
12ft
11ft
12ft
5ft
SOUTH BURLINGTON
VT ROUTE 116
120+02
120+42
120+50
M.H. (N.W.)
EX. PAVE. WIDTH
45.0ft
120+00
ONLY
121+00
4 in WHITE LINE
DOUBLE 4in YELLOW CENTERLINE
4 in DOTTED WHITE LINE
122+20
4ft
11ft
7ft
11ft
4ft
EX. PAVE. WIDTH
37.0ft
8 in YELLOW LINE
122+00
123+00
124+00
SOUTHBOUND
NORTHBOUND
STA 124+50
MATCH LINE - SEE BELOW
TO U.S. ROUTE 2
TO WILLISTON

120+50
N
ONLY
N

124+50
R
ONLY
R

STA 124+50
MATCH LINE - SEE ABOVE
5ft
11ft
11ft
5ft
SOUTH BURLINGTON
VT ROUTE 116
125+00
EX. PAVE. WIDTH
31.0ft
W.V. (4) (N.W.)
126+00
4 in YELLOW CENTERLINE
4 in WHITE LINE
127+00
5ft
11ft
11ft
5ft
EX. PAVE. WIDTH
32.0ft
128+00
SOUTHBOUND
NORTHBOUND
129+00
STA 130+00
MATCH LINE - SEE NEXT SHEET
TO U.S. ROUTE 2
TO WILLISTON

129+00
4 in DOTTED WHITE LINE

129+20
N
RIGHT LANE MUST RIGHT TURN
N
R
RIGHT LANE FOR RIGHT TURN
R

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ⊞ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #11

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052lall DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **20** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 130+00 TO 141+00	SOLID LT&RT
STA 130+00 TO 133+25	DOUBLE SOLID LT
STA 133+45	DOUBLE SOLID RT
STA 134+70 TO 138+00	DOUBLE SOLID LT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 130+00 TO 141+00	SOLID LT&RT
STA 130+00 TO 131+00	DOTTED RT
STA 131+00 TO 133+35	SOLID RT
STA 133+70 TO 134+70	SOLID LT
STA 134+70 TO 136+35	DOTTED LT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

LETTER OR SYMBOL

STA 131+00 RT	"ONLY"
STA 131+40 RT	"ONLY"
STA 132+52 RT	"STOP"
STA 132+92 RT	"ONLY"
STA 133+45 RT	
STA 133+70 LT	
STA 134+16 LT	
STA 134+62 LT	

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 131+40 RT	"STOP"
STA 132+92 RT	
STA 133+45 RT	
STA 133+70 LT	
STA 134+62 LT	

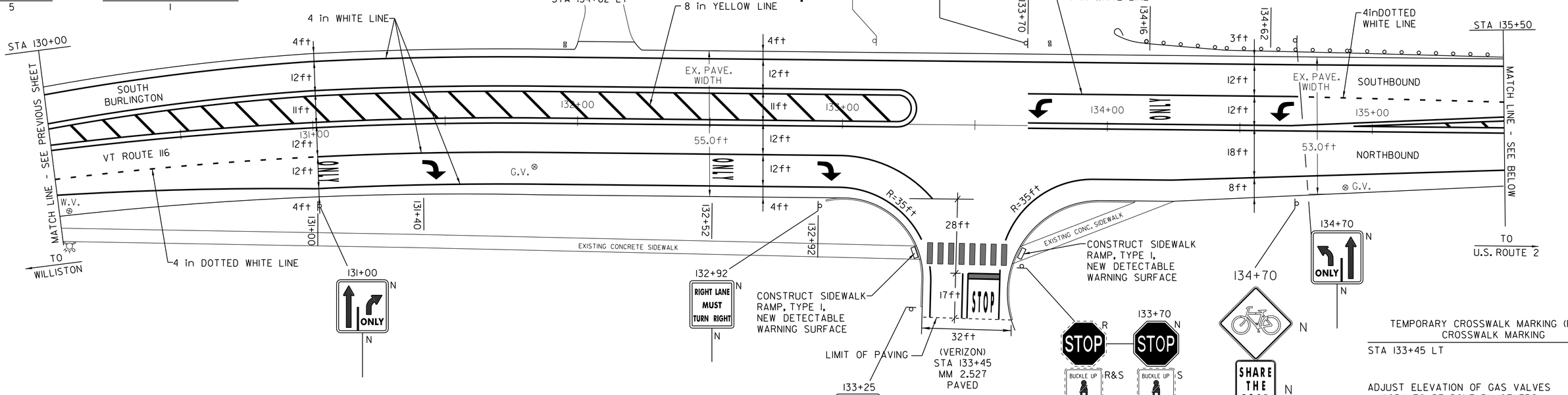
TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 133+45 RT (VERIZON)

8in YELLOW LINE

STA 130+00 TO 133+25	PAINTED ISLAND
STA 134+70 TO 138+00	PAINTED ISLAND

REMOVING SIGNS	ERECTING SALVAGED SIGNS
5	1



TEMPORARY CROSSWALK MARKING (PAINT)
CROSSWALK MARKING

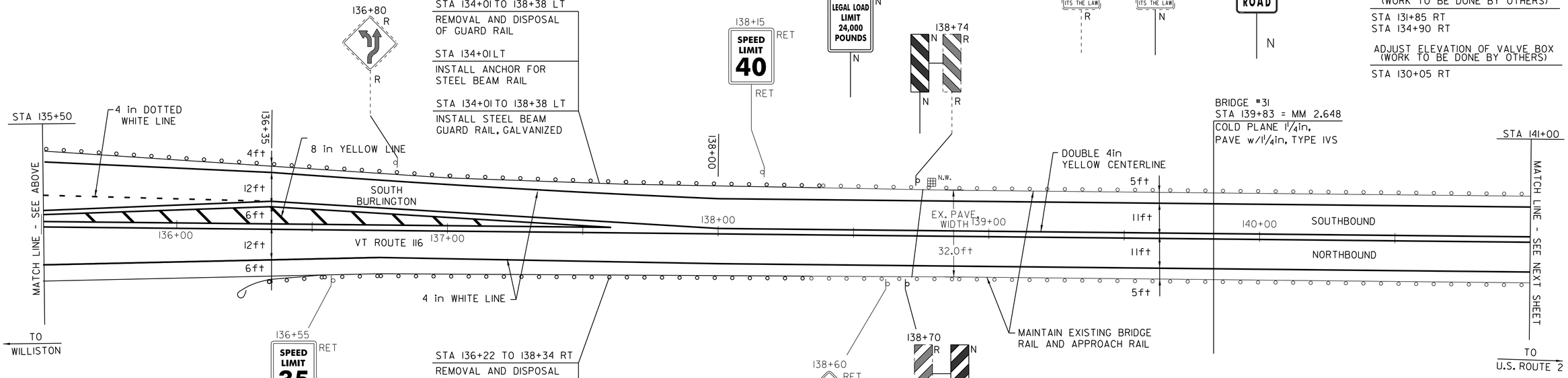
STA 133+45 LT (VERIZON)

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 131+85 RT
STA 134+90 RT

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 130+05 RT



REMOVAL AND DISPOSAL OF GUARD RAIL

STA 134+01 TO 138+38 LT
STA 136+22 TO 138+34 RT

ANCHOR FOR STEEL BEAM RAIL

STA 134+01 LT
STA 136+22 RT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 134+01 TO 138+38 LT
STA 136+22 TO 138+34 RT

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #12

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052lal2 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **21** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT) 4in YELLOW LINE	
STA 141+00 TO 152+00	SOLID LT&RT
STA 147+10	DOUBLE SOLID RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)	

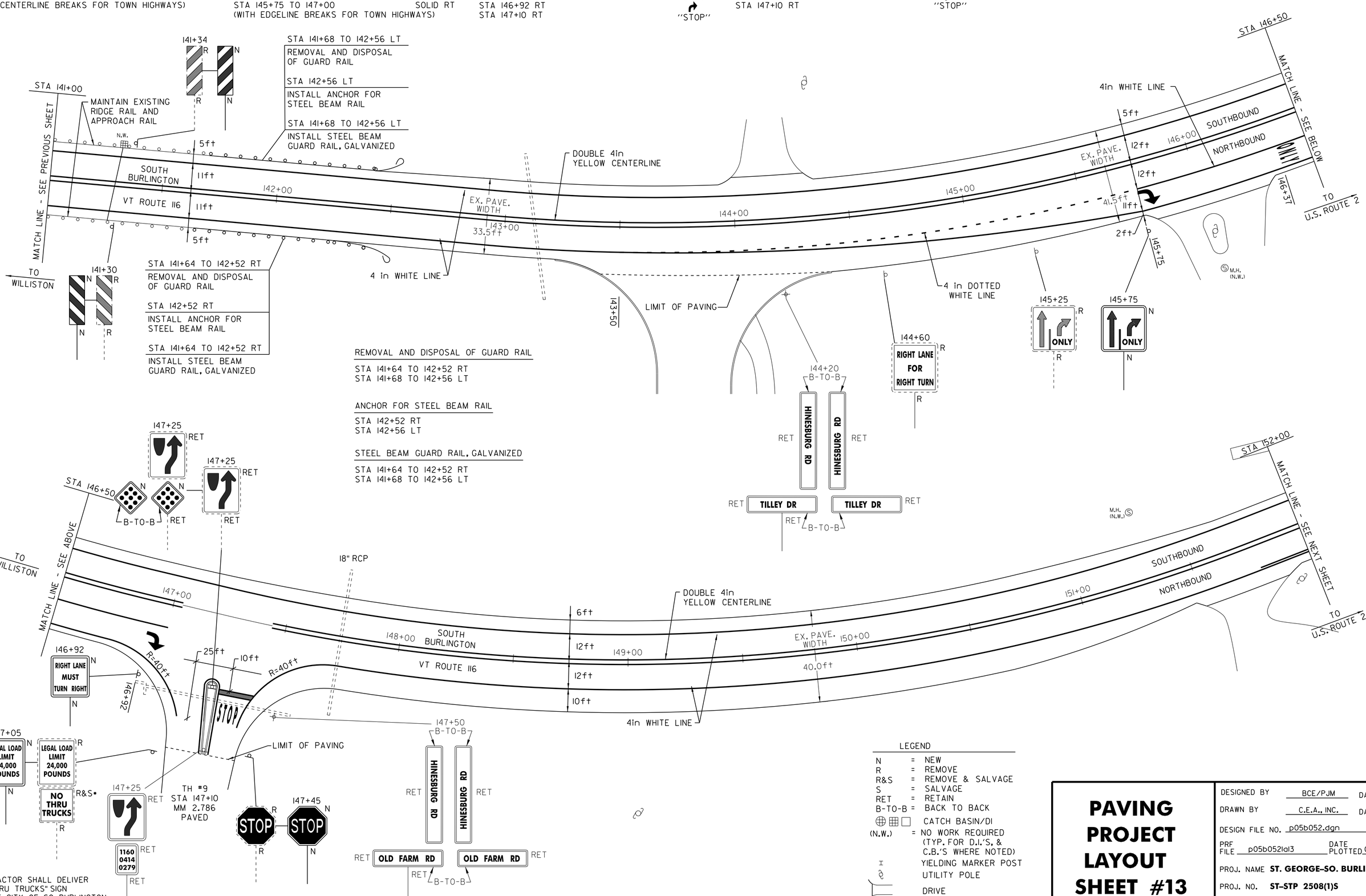
TEMPORARY 4in WHITE LINE (PAINT) 4in WHITE LINE	
STA 141+00 TO 152+00	SOLID LT&RT
STA 143+50 TO 145+75	DOTTED RT
STA 145+75 TO 147+00	SOLID RT
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)	

LETTER OR SYMBOL	
STA 145+75 RT	"ONLY"
STA 146+37 RT	
STA 146+92 RT	"STOP"
STA 147+10 RT	

TEMPORARY LETTER OR SYMBOL (PAINT)	
STA 145+75 RT	"STOP"
STA 146+92 RT	
STA 147+10 RT	

TEMPORARY 24in STOP BAR (PAINT) 24in STOP BAR	
STA 147+10 RT	TH #9

REMOVING SIGNS
7



REMOVAL AND DISPOSAL OF GUARD RAIL

STA 141+64 TO 142+52 RT
STA 141+68 TO 142+56 LT

ANCHOR FOR STEEL BEAM RAIL

STA 142+52 RT
STA 142+56 LT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 141+64 TO 142+52 RT
STA 141+68 TO 142+56 LT

• CONTRACTOR SHALL DELIVER "NO THRU TRUCKS" SIGN TO THE CITY OF SO. BURLINGTON

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ⊞ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #13

DESIGNED BY	BCE/PJM	DATE	10-06
DRAWN BY	C.E.A., INC.	DATE	10-06
DESIGN FILE NO.	p05b052.dgn		
PRF FILE	p05b052ial3	DATE PLOTTED	03-MAY-2012 17
PROJ. NAME	**ST. GEORGE-SO. BURLINGTON**		
PROJ. NO.	**ST-STP 2508(1)S**		
SHEET	**22** OF **42** SHEETS		

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 152+00 TO 159+60	SOLID LT&RT
STA 154+00 TO 157+80	DOUBLE SOLID RT
STA 160+20 TO 162+15	DOUBLE SOLID RT
STA 162+15 TO 163+00	(2) DOUBLE SOLID RT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 152+00 TO 163+00	SOLID LT&RT
STA 155+90 TO 157+80	DOTTED RT
STA 157+80 TO 159+60	SOLID RT
STA 160+20 TO 161+20	SOLID LT
STA 160+20 TO 162+15	SOLID LT
STA 161+20 TO 162+15	DOTTED LT
STA 162+15 TO 163+00	DOTTED LT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

LETTER OR SYMBOL

STA 157+80 RT	"ONLY"
STA 158+20 RT	"ONLY"
STA 159+12 RT	"ONLY"
STA 159+52 RT	"STOP"
STA 159+80 RT	"STOP"
STA 159+90 LT	"STOP"
STA 160+20 RT	
STA 160+32 LT	
STA 160+60 RT	"ONLY"
STA 160+72 LT	"ONLY"
STA 161+12 LT	
STA 161+67 RT	"ONLY"
STA 162+07 RT	

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 158+20 RT	
STA 159+52 RT	"STOP"
STA 159+80 RT	"STOP"
STA 159+90 LT	
STA 160+20 RT	
STA 160+32 LT	
STA 161+12 LT	
STA 161+67 RT	

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 159+80 RT	ELDREDGE RD
STA 159+90 LT	TH #145

8in YELLOW LINE

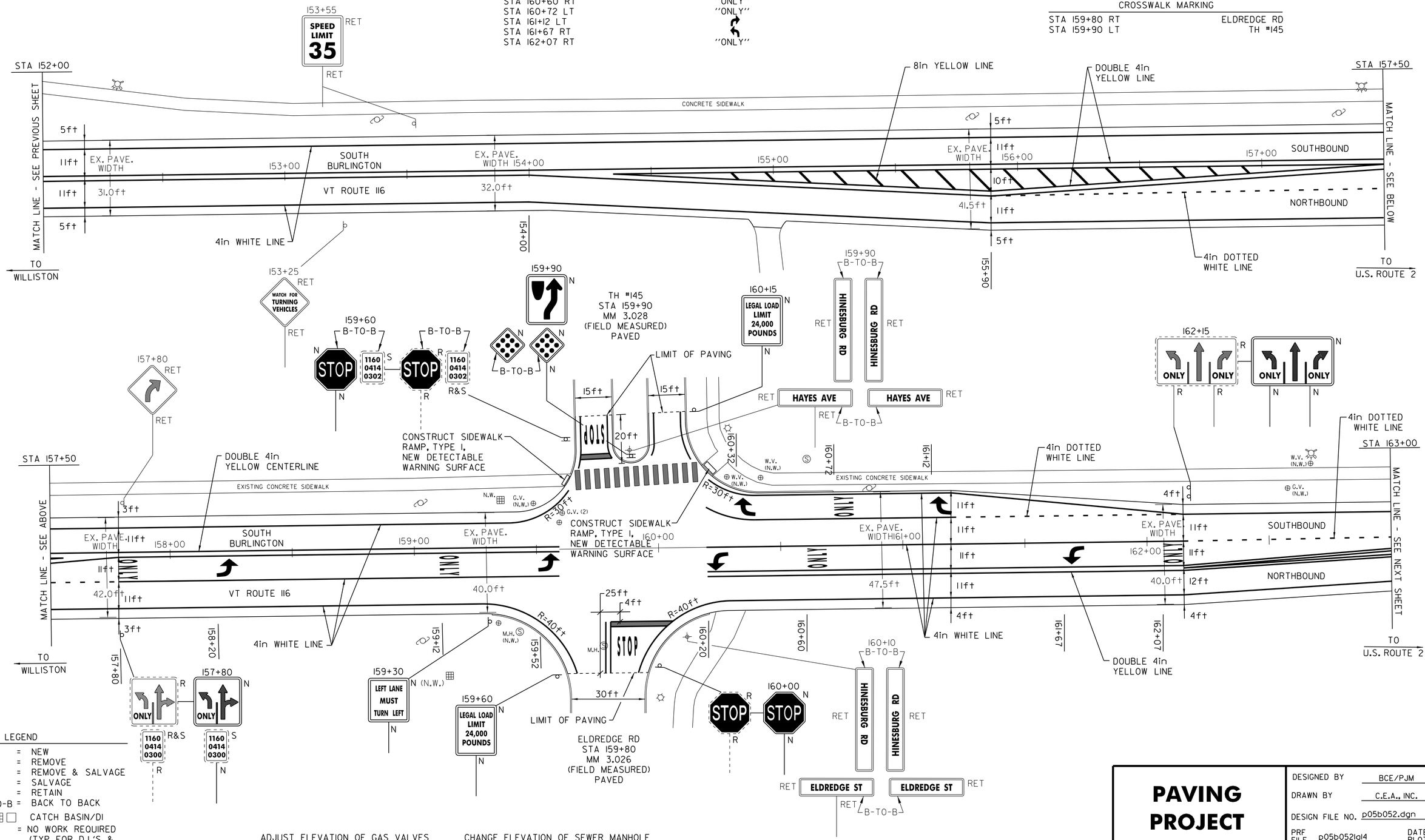
STA 154+00 TO 157+80	PAINTED ISLAND
STA 162+15 TO 163+00	PAINTED ISLAND

TEMPORARY CROSSWALK MARKING (PAINT)
CROSSWALK MARKING

STA 159+80 RT	ELDREDGE RD
STA 159+90 LT	TH #145

REMOVING SIGNS

6



LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 159+60 LT - 2

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 159+80 RT

PAVING PROJECT LAYOUT SHEET #14

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052lal4 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **23** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 163+00 TO 169+25	SOLID LT&RT
STA 165+75	DOUBLE SOLID LT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

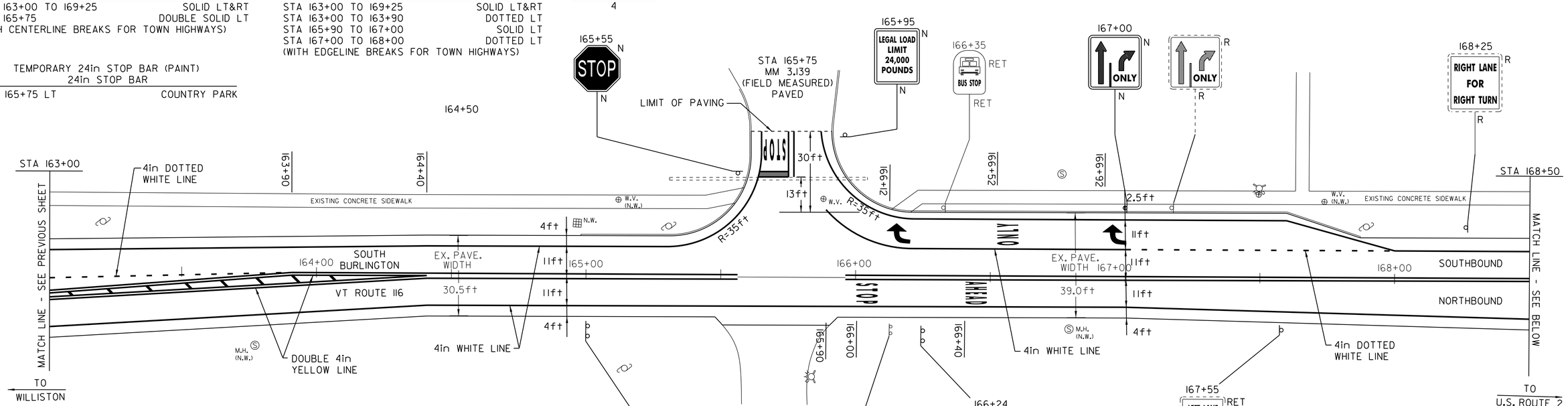
STA 163+00 TO 169+25	SOLID LT&RT
STA 163+00 TO 163+90	DOTTED LT
STA 165+90 TO 167+00	SOLID LT
STA 167+00 TO 168+00	DOTTED LT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 165+75 LT	COUNTRY PARK

REMOVING SIGNS
4



LETTER OR SYMBOL	
STA 165+75 LT	"STOP"
STA 166+00 RT	"STOP"
STA 166+12 LT	↱
STA 166+40 RT	"AHEAD"
STA 166+52 LT	"ONLY"
STA 166+92 LT	↱

TEMPORARY LETTER OR SYMBOL (PAINT)	
STA 165+75 LT	"STOP"
STA 166+00 RT	"STOP"
STA 166+12 LT	↱
STA 166+40 RT	"AHEAD"
STA 166+92 LT	↱

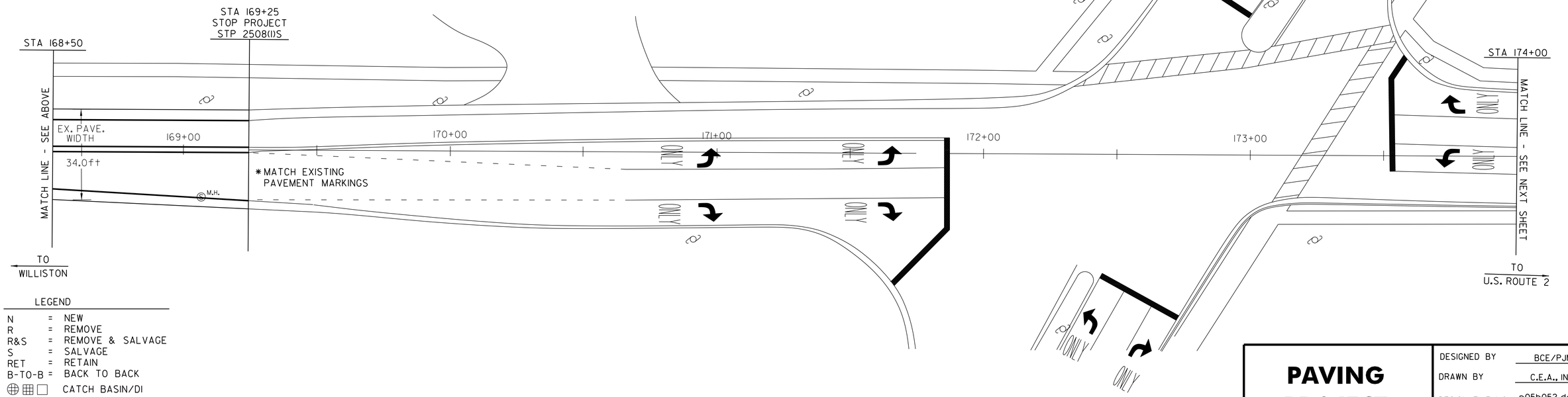
8in YELLOW LINE	
STA 163+00 TO 164+40	PAINTED ISLAND

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 169+05 RT	

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 165+90 LT	



LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ⊞ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #15

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052lal5 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **24** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 175+30 TO 185+00	SOLID LT&RT
(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)	

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 175+30 TO 185+00	SOLID LT&RT
STA 175+30 TO 176+00	(2) SOLID LT
STA 176+00 TO 177+45	DOTTED LT
(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)	

LETTER OR SYMBOL

STA 175+52 LT	''ONLY''
STA 175+92 LT	''AHEAD''
STA 179+76 LT	''SIGNAL''
STA 180+16 LT	

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 175+52 LT	
STA 179+76 LT	''AHEAD''
STA 180+16 LT	''SIGNAL''

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 176+60 RT

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 184+70 LT

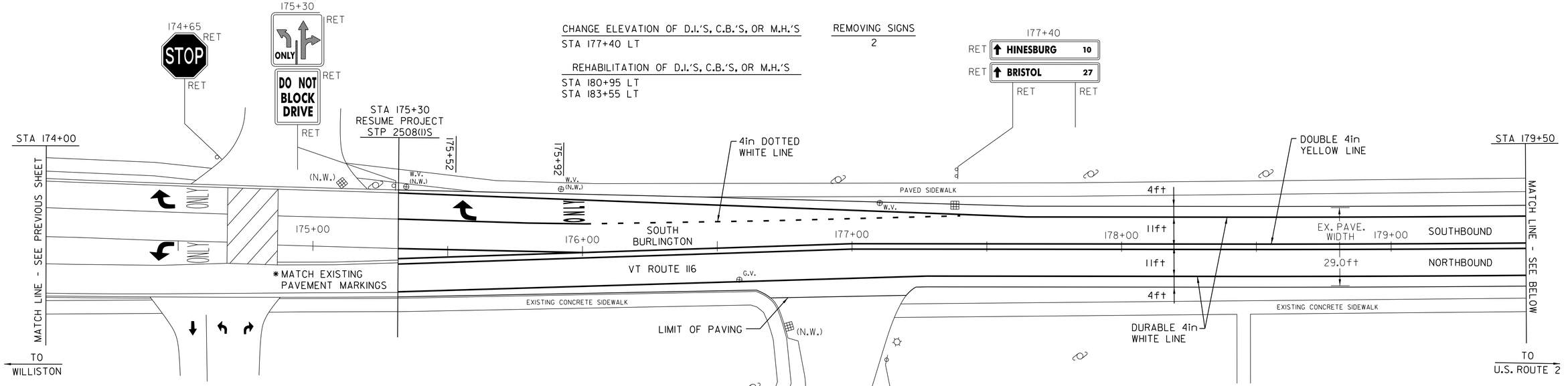
CHANGE ELEVATION OF D.I.'S, C.B.'S, OR M.H.'S

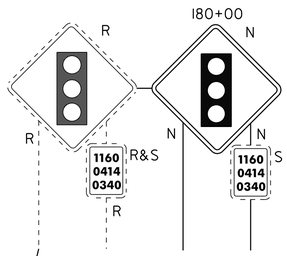
STA 177+40 LT

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

STA 180+95 LT
STA 183+55 LT

REMOVING SIGNS
2





REMOVAL AND DISPOSAL OF GUIDE POSTS

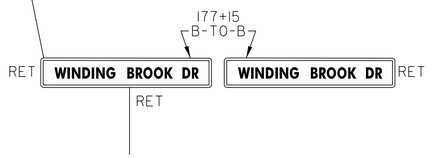
STA 183+85 RT - 2

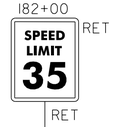
ANCHOR FOR STEEL BEAM RAIL

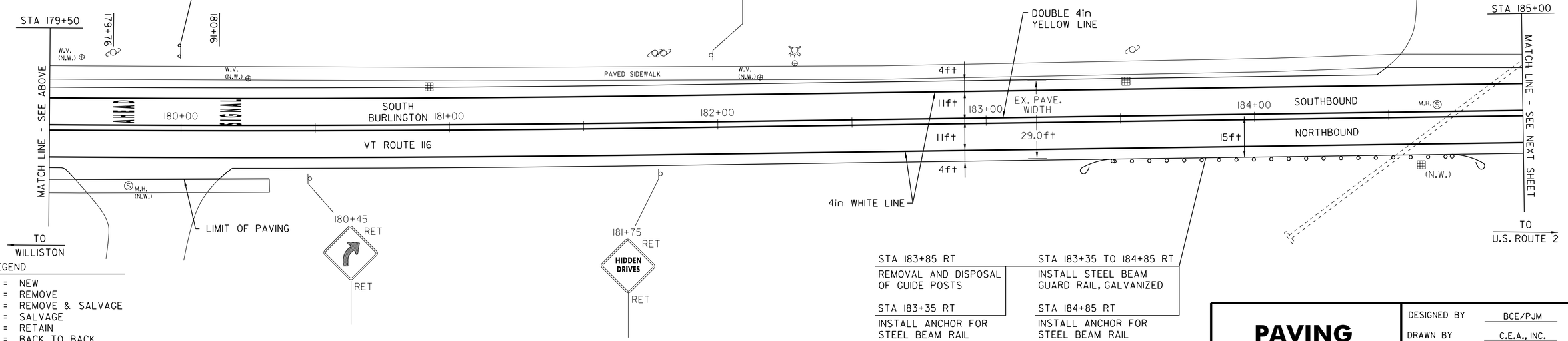
STA 183+35 RT
STA 184+85 RT

STEEL BEAM GUARD RAIL, GALVANIZED

STA 183+35 TO 184+85 RT







STA 183+85 RT	STA 183+35 TO 184+85 RT
REMOVAL AND DISPOSAL OF GUIDE POSTS	INSTALL STEEL BEAM GUARD RAIL, GALVANIZED
STA 183+35 RT	STA 184+85 RT
INSTALL ANCHOR FOR STEEL BEAM RAIL	INSTALL 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
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #16

DESIGNED BY	BCE/PJM	DATE	10-06
DRAWN BY	C.E.A., INC.	DATE	10-06
DESIGN FILE NO.	p05b052.dgn		
PRF FILE	p05b052lal6	DATE PLOTTED	03-MAY-2012 17
PROJ. NAME	**ST. GEORGE–SO. BURLINGTON**		
PROJ. NO.	**ST–STP 2508(1)S**		
SHEET	**25** OF **42** SHEETS		

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 185+00 TO 196+00	SOLID LT&RT
STA 187+02	DOUBLE SOLID LT
STA 189+80	DOUBLE SOLID LT
STA 191+81	DOUBLE SOLID RT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 185+00 TO 196+00	SOLID LT&RT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
LETTER OR SYMBOL

STA 187+02 LT	"STOP"
STA 189+80 LT	"STOP"
STA 191+81 RT	"STOP"

TEMPORARY CROSSWALK MARKING (PAINT)
CROSSWALK MARKING

STA 187+02 LT	DEANE ST
STA 189+80 LT	WOODCREST DR
STA 195+00 LT	LILAC LANE

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 187+02 LT	TH #68
STA 189+80 LT	TH #67
STA 191+81 RT	TH #120

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 187+25 LT
STA 191+30 C.L.
STA 194+30 C.L.

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 187+35 LT
STA 189+60 LT
STA 194+95 LT

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 187+15 LT
STA 189+90 LT
STA 192+80 LT
STA 193+55 LT - 2

REMOVING SIGNS
10

ERECTING SALVAGED SIGNS
4

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #17

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052lal7 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **26** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 196+00 TO 207+00	SOLID LT&RT
STA 197+15	DOUBLE SOLID RT
STA 202+48	DOUBLE SOLID LT
STA 206+10	DOUBLE SOLID LT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 196+00 TO 207+00	SOLID LT&RT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)
LETTER OR SYMBOL

STA 197+15 RT	"STOP"
STA 202+48 LT	"STOP"
STA 206+10 LT	"STOP"

TEMPORARY CROSSWALK MARKING (PAINT)
CROSSWALK MARKING

STA 198+10 LT	SUNSET AVE
STA 202+48 LT	SIMPSON CT
STA 206+10 LT	BARRETT ST

REMOVING SIGNS
10

ERECTING SALVAGED SIGNS
3

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 197+15 RT	TH #12
STA 202+48 LT	TH #41
STA 206+10 LT	TH #43

STA 196+00
MATCH LINE - SEE PREVIOUS SHEET
TO WILLISTON
SOUTH BURLINGTON
VT ROUTE 116
197+00
198+00
199+00
200+00
201+00
STA 201+50
MATCH LINE - SEE BELOW
TO U.S. ROUTE 2
EX. PAVE. WIDTH
31.0ft
29.0ft
4ft
11ft
SOUTHBOUND
NORTHBOUND
PAVED SIDEWALK
W.V. (N.W.)
M.H.
20ft
LIMIT OF COLD PLANING & PAVING
LIMIT OF PAVING
CONSTRUCT SIDEWALK RAMP, TYPE I, NEW DETECTABLE WARNING SURFACE
4in WHITE LINE
DOUBLE 4in YELLOW LINE
R=30ft
12ft

197+95 B-TO-B — STOP (N) — 1160 0414 0375 S — STOP (R) — B-TO-B R — R&S
197+50 RET — R — RET
END RET
RET SUNSET AVE RET — SUNSET AVE RET
196+90 B-TO-B
TH #10
STA 198+10
MM 3.752
(FIELD MEASURED)
PAVED
Ⓢ M.H. (N.W.)
LEGAL LOAD LIMIT 24,000 POUNDS R — LEGAL LOAD LIMIT 24,000 POUNDS N
198+25
197+50 RET — BEGIN RET — BUS STOP RET
197+70 RET — BUS STOP RET
RET WRIGHT CT RET — WRIGHT CT RET
196+90 B-TO-B
196+95 — LEGAL LOAD LIMIT 24,000 POUNDS N — LEGAL LOAD LIMIT 24,000 POUNDS R
TH #12
STA 197+15
MM 3.734
(FIELD MEASURED)
PAVED
197+15 RET
B-TO-B — STOP R — 1160 0414 0373 R&S — STOP N — 1160 0414 0373 S
197+40 RET
200+45 — AHEAD N — AHEAD R

STA 197+75--END LEVEL AND OVERLAY
BEGIN FULL DEPTH COLD PLANE

202+40 — STOP N — STOP R
196+90 B-TO-B — RET SIMPSON CT RET — SIMPSON CT RET
TH #41
STA 202+48
MM 3.835
PAVED
22ft
35ft
STOP
W.V. (2)
G.V.
LIMIT OF COLD PLANING & PAVING
202+75 — LEGAL LOAD LIMIT 24,000 POUNDS R — LEGAL LOAD LIMIT 24,000 POUNDS N
205+35 RET — SPEED LIMIT 35 — RET
205+95 B-TO-B — STOP N — 1160 0414 0390 S — STOP R — 1160 0414 0390 R&S
TH #43
STA 206+10
MM 3.903
PAVED
206+30 B-TO-B — RET BARRETT ST RET — BARRETT ST RET
STA 207+00
MATCH LINE - SEE NEXT SHEET
TO U.S. ROUTE 2
STA 201+50
MATCH LINE - SEE ABOVE
TO WILLISTON
SOUTH BURLINGTON
VT ROUTE 116
202+00
203+00
204+00
205+00
206+00
EX. PAVE. WIDTH
30.0ft
SOUTHBOUND
NORTHBOUND
PAVED SIDEWALK
M.H.
CONSTRUCT SIDEWALK RAMP, TYPE I, NEW DETECTABLE WARNING SURFACE
4in WHITE LINE
DOUBLE 4in YELLOW LINE
LIMIT OF COLD PLANING & PAVING

202+15 RET — END RET — BUS STOP RET — RET
202+25 RET — SPEED LIMIT 35 — RET
202+80 RET — BUS STOP RET
204+00 RET — BEGIN RET
205+35 RET

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

STA 196+95 RT

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 197+30 C.L.
STA 198+10 RT
STA 202+55 RT

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 202+70 LT
STA 206+00 LT
STA 206+30 LT

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 202+60 LT - 2
STA 206+05 LT

LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE
RET	= RETAIN
B-TO-B	= BACK TO BACK
⊕ ▦ □	CATCH BASIN/DI
(N.W.)	= NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I	YIELDING MARKER POST
	UTILITY POLE
	DRIVE

PAVING PROJECT LAYOUT SHEET #18

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052la18 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **27** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 207+00 TO 209+85	DOUBLE SOLID LT&RT
STA 209+85 TO 211+40	SOLID LT&RT
STA 211+70	DOUBLE SOLID LT
STA 212+00 TO 213+85	DOUBLE SOLID LT&RT
STA 213+85 TO 218+00	SOLID LT&RT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 207+00 TO 218+00	SOLID LT&RT
STA 208+10 TO 209+85	DOTTED RT
STA 209+85 TO 211+40	SOLID RT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

8in YELLOW LINE

STA 207+00 TO 209+85	PAINTED ISLAND

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 209+85 RT	
STA 211+32 RT	"STOP"
STA 211+70 LT	"SIGNAL"
STA 214+51 RT	"AHEAD"
STA 214+91 RT	

LETTER OR SYMBOL

STA 209+85 RT	
STA 210+63 RT	"ONLY"
STA 211+32 RT	
STA 211+70 LT	"STOP"
STA 214+51 RT	"SIGNAL"
STA 214+91 RT	"AHEAD"

TEMPORARY CROSSWALK MARKING (PAINT)

STA 207+55 LT&RT	VT ROUTE 116
STA 208+80 LT	IBY ST
STA 211+70 LT	MARKETPLACE RD

CROSSWALK MARKING

STA 208+80 LT	IBY ST
STA 211+70 LT	MARKETPLACE RD

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

STA 211+70 LT	MARKETPLACE RD.

REMOVING SIGNS
15

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 209+00 LT
STA 209+50 LT
STA 216+55 LT

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 208+65 LT

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

STA 216+50 RT
STA 217+00 RT

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 207+60 C.L.
STA 212+60 RT
STA 216+85 RT

LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #19

DESIGNED BY BCE/PJM DATE 10-06
DRAWN BY C.E.A., INC. DATE 10-06
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052lal9 DATE PLOTTED 03-MAY-2012 17
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **28** OF **42** SHEETS

TEMPORARY 4in YELLOW LINE (PAINT)
4in YELLOW LINE

STA 218+00 TO 223+34	SOLID LT&RT
STA 221+45	DOUBLE SOLID LT

(WITH CENTERLINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY 4in WHITE LINE (PAINT)
4in WHITE LINE

STA 218+00 TO 223+34	SOLID LT&RT
STA 218+65 TO 219+90	DOTTED RT
STA 219+90 TO 223+34	SOLID RT
STA 221+70 TO 222+67	SOLID LT
STA 222+67 TO 223+34	DOTTED LT

(WITH EDGELINE BREAKS FOR TOWN HIGHWAYS)

TEMPORARY LETTER OR SYMBOL (PAINT)

STA 220+30 RT	
STA 221+45 LT	2-''STOP''
STA 222+05 RT	
STA 222+67 LT	

LETTER OR SYMBOL

STA 219+90 RT	''ONLY''
STA 220+30 RT	
STA 221+45 LT	2-''STOP''
STA 221+65 RT	''ONLY''
STA 222+00 LT	''ONLY''
STA 222+05 RT	
STA 222+67 LT	

REMOVING SIGNS

5

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

STA 222+25 LT&RT

CHANGE ELEVATION OF SEWER MANHOLE
(WORK TO BE DONE BY OTHERS)

STA 222+80 RT

TEMPORARY CROSSWALK MARKING (PAINT)
CROSSWALK MARKING

STA 221+45 LT SHOPPING CENTER

TEMPORARY 24in STOP BAR (PAINT)
24in STOP BAR

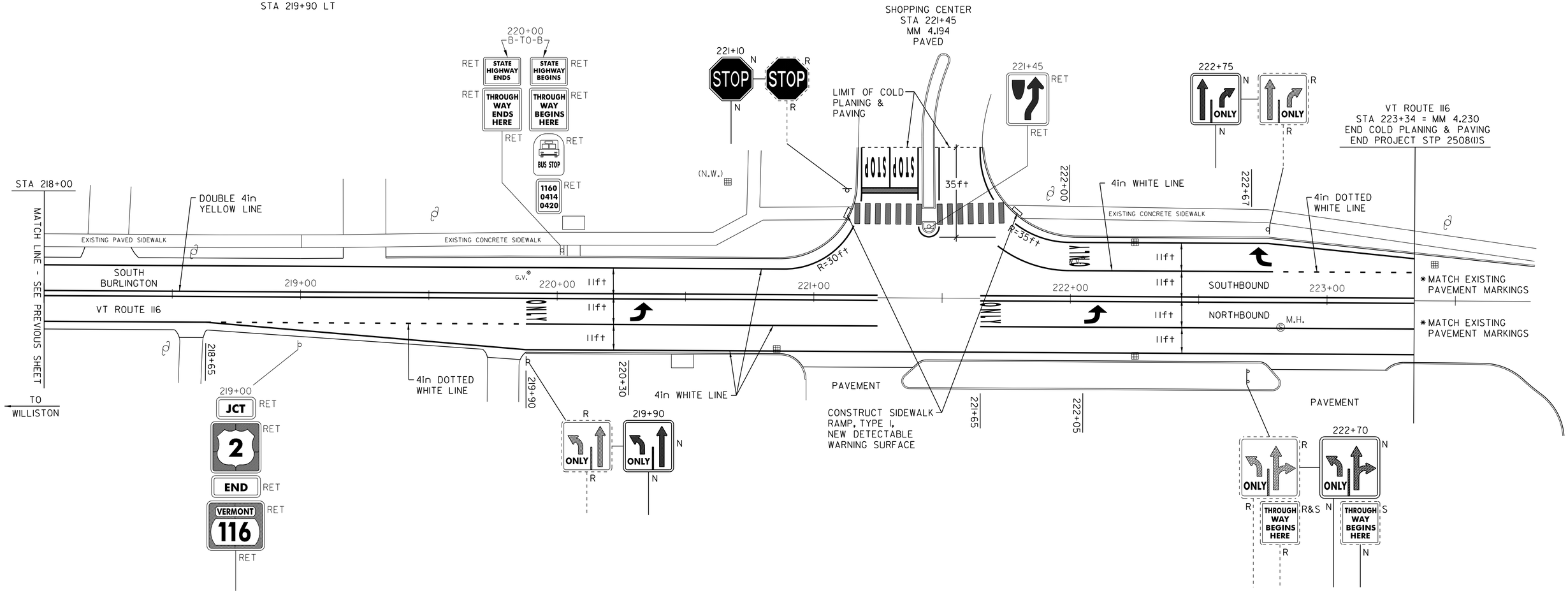
STA 221+45 LT SHOPPING CENTER

ADJUST ELEVATION OF VALVE BOX
(WORK TO BE DONE BY OTHERS)

STA 222+05 LT

ADJUST ELEVATION OF GAS VALVES
(WORK TO BE DONE BY OTHERS)

STA 219+90 LT



LEGEND

N	=	NEW
R	=	REMOVE
R&S	=	REMOVE & SALVAGE
S	=	SALVAGE
RET	=	RETAIN
B-TO-B	=	BACK TO BACK
⊕ ▦ □		CATCH BASIN/DI
(N.W.)	=	NO WORK REQUIRED (TYP. FOR D.I.'S, & C.B.'S WHERE NOTED)
I		YIELDING MARKER POST
		UTILITY POLE
		DRIVE

PAVING PROJECT LAYOUT SHEET #20

DESIGNED BY BCE/PJM DATE 10-06

DRAWN BY C.E.A., INC. DATE 10-06

DESIGN FILE NO. p05b052.dgn

PRF FILE p05b052lq20 DATE PLOTTED 03-MAY-2012 17

PROJ. NAME **ST. GEORGE–SO. BURLINGTON**

PROJ. NO. **ST–STP 2508(1)S**

SHEET **29** OF **42** SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD. lb/ft 1.7	FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																									
ST. GEORGE 13+90 RT	ONLY	1	30	30	6.25						1					X																		VR-921		E-145A
30+15 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
30+45 RT	STOP 1160 0412 0059	1	30	30	6.25		1				1					X																		R1-1		E-143
SHELBURNE 1+55 LT	STOP 1160 0413 0003	1	30	30	6.25		1				1					X																		BACK TO BACK R1-1		E-143
1+85 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
74+00 LT	1160 0413 0140						1																										1R		
ST. GEORGE 79+90 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
80+05 RT	STOP 1160 0412 0150	1	30	30	6.25		1				1					X																		BACK TO BACK R1-1		E-143
82+70 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
83+70 RT	STOP	1	30	30	6.25						1					X																		R1-1		E-143
21+94 LT		1	12	36	3.0						1					X																		OM-3R		E-120
21+94 RT		1	12	36	3.0						1					X																		OM-3L		E-120
SO. BURLINGTON 0+08 LT		1	12	36	3.0						1					X																		OM-3L		E-120
0+08 RT		1	12	36	3.0						1					X																		OM-3R		E-120
		SF			SF	EA.	SF				FT	FT	FT	FT	FT 195	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						
	SHEET TOTALS	63.25				3									195																					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT: **ST. GEORGE–SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts01.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **30** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD. 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
12+50 LT	STOP 1160 0414 0024	1	30	30	6.25		1				1					X																	BACK TO BACK R1-1		E-143
13+00 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																	REFER TO STANDARD E-121 FOR PLACEMENT. VR017		E-141
63+15 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																	REFER TO STANDARD E-121 FOR PLACEMENT. VR017		E-141
63+60 RT	STOP 1160 0414 0120	1	30	30	6.25		1				1					X																	BACK TO BACK R1-1		E-143
73+30 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																	REFER TO STANDARD E-121 FOR PLACEMENT. VR017		E-141
73+60 RT	STOP 1160 0414 0139	1	30	30	6.25		1				1					X																	BACK TO BACK R1-1		E-143
86+10 LT	STOP 1160 0414 0163	1	30	30	6.25		1				1					X																	BACK TO BACK R1-1		E-143
86+15 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																	REFER TO STANDARD E-121 FOR PLACEMENT. VR017		E-141
86+50 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																	REFER TO STANDARD E-121 FOR PLACEMENT. VR017		E-141
86+55 RT	STOP	1	30	30	6.25						1					X																	R1-1		E-143
95+80 LT	STOP 1160 0414 0182	1	30	30	6.25		1				1					X																	BACK TO BACK R1-1		E-143
96+20 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																	REFER TO STANDARD E-121 FOR PLACEMENT. VR017		E-141
			SF	SF	EA.	SF			FT	FT	FT	FT	FT 180	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB							
	SHEET TOTALS		67.5		5								180																							

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts02.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **31** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 3

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD. lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																									
96+38 LT	RIGHT LANE MUST TURN RIGHT	1	30	30	6.25						1					X																		R3-76		E-140
97+75 LT	ONLY	1	30	30	6.25						1					X																		VR-921		E-145A
109+85 LT	STOP 1160 0414 0208	1	30	30	6.25		1				1					X																		BACK TO BACK R1-1		E-143
110+20 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
	SLOW CHILDREN						1																													
111+25 LT	ONLY	1	30	30	6.25						1					X																		VR-921		E-145A
116+40 RT	ONLY	1	30	30	6.25						1					X																		VR-921		E-145A
	1160 0414 0220						1																													
117+52 RT	RIGHT LANE MUST TURN RIGHT	1	30	30	6.25						1					X																		R3-7R		E-140
117+95 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
118+45 RT	STOP 1160 0414 0238	1	30	30	6.25		1				1					X																		BACK TO BACK R1-1		E-143
118+50 LT	LEFT LANE MUST TURN LEFT	1	30	30	6.25						1					X																		R3-7L		E-140
120+50 LT	ONLY	1	30	30	6.25						1					X																		MIRROR IMAGE OF VR-921		E-145A
			SF	SF	EA.	SF						FT	FT	FT	FT	FT 165	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB					
	SHEET TOTALS		66.25		4											165																					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY. TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts03.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **32** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD. 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
129+~~20~~ 80 RT	RIGHT LANE MUST TURN RIGHT	1	30	30	6.25						1					X																		R3-7R		E-140
131+00 RT	ONLY	1	30	30	6.25						1					X																		VR-921		E-145A
132+92 RT	RIGHT LANE MUST TURN RIGHT	1	30	30	6.25						1					X																		R3-7R		E-140
133+25 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
133+70 RT	STOP	1	30	30	6.25						1					X																		R1-1		E-143
	BUCKLE UP ITS THE LAW						1																												
133+70 LT	LEFT LANE MUST TURN LEFT	1	30	30	6.25						1					X																		R3-7L		E-140
134+70 LT	ONLY	1	30	30	6.25						1					X																		MIRROR IMAGE OF VR-921		E-145A
134+70	SHARE THE ROAD		30 24	30 30	6.25 5.0						1					X																				
138+70 RT		1	12	36	3.0						1					X																		OM-3L		E-120
138+74 LT		1	12	36	3.0						1					X																		OM-3R		E-120
141+30 RT		1	12	36	3.0						1					X																		OM-3R		E-120
141+34 LT		1	12	36	3.0						1					X																		OM-3L		E-120
138+15 LT	SPEED LIMIT 40	1	24	30	5.0											X																		SIGN MISSING, USED EXISTING POST		
145+75 RT	ONLY	1	30	30	6.25						1					X																		VR-921		E-145A
146+92 RT	RIGHT LANE MUST TURN RIGHT	1	30	30	6.25						1					X																		R3-7R		E-140
			SF	SF	EA.	SF			FT	FT	FT	FT	FT 195	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB							
	SHEET TOTALS		67.0		1								195																					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts04.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **33** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 5

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD. 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																									
147+05 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
147+25 RT									1																								RETAIN EXISTING SIGN ON EXISTING POST.		
		2	18	18	4.5		1																										BACK-TO-BACK OM1-1 OM1-1		E-150
147+45 RT	STOP	1	30	30	6.25						1					X																		R1-1		E-143
157+80 RT	ONLY	1	30	30	6.25						1					X																		MIRROR IMAGE OF VR-922		E-145A
	1160 0414 0300						1																												
159+30 RT	LEFT LANE MUST TURN LEFT	1	30	30	6.25						1					X																				E-140
159+60 LT	STOP 1160 0414 0302	1	30	30	6.25		1				1					X																		BACK TO BACK R1-1		E-143
159+60 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
159+90 LT		1	24	30	5.0						1					X																				E-144
		2	18	18	4.5																													BACK TO BACK OM1-1 OM1-1		E-150
							2																												
160+00 RT	STOP	1	30	30	6.25						1					X																		R1-1		E-143
160+15 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
			SF	SF	EA.	SF						FT	FT	FT	FT	FT 135	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB					
	SHEET TOTALS		60.25		2										135																					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts05.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **34** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 6

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD. lb/ft 1.7	FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																									
162+15 LT		1	48	30	10.0						2					X																			VR-932		E-145B
165+00 RT							2				2					X																			RELOCATE EXISTING INFORMATION SIGNS.		
165+55 LT		1	30	30	6.25						1					X																			R1-1		E-143
165+95 LT		1	24	30	~~5.0~~						1					~~X~~																			REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
166+24 RT		1	36	36	9.0						2					~~X~~																			W3-3		E-152
167+00 LT		1	30	30	6.25						1					X																			VR-921		E-145A
180+00 LT		1	36	36	9.0						~~2~~					~~X~~																			POSTS OKAY (SQUARE TUBE) W3-3		E-152
							~~1~~																														
187+15 LT		1	30	30	6.25		1				1					~~X~~																			POSTS OKAY (SQUARE TUBE) BACK TO BACK R1-1		E-143
187+50 LT		1	24	30	5.0						1					~~X~~																			REFER TO STANDARD E-121 FOR PLACEMENT. VR-017 POSTS OKAY (SQUARE TUBE)		E-141
189+65 LT		1	30	30	6.25		1				1					X																			BACK TO BACK R1-1 USED EXISTING STUB		E-143
189+95 LT		1	24	30	~~5.0~~						1					~~X~~																			REFER TO STANDARD E-121 FOR PLACEMENT. VR-017 NEW SIGN AND POST EXIST		E-141
			SF	SF	EA.	SF			FT	FT	FT	FT	FT 226	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB									
	SHEET TOTALS		68.0		5								226																								

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY. TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #6

PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts06.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **35** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 7

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75 / 1.88	SQUARE STEEL (in) lb/ft 2.0 / 2.16	SQUARE STEEL (in) lb/ft 2.5 / 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 / 1.3	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 / 1.7	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD. / 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 / 7.6	TUBULAR STEEL Ø (in) lb/ft 3.5 / 9.0	TUBULAR STEEL Ø (in) lb/ft 4.0 / 10.8	TUBULAR STEEL Ø (in) lb/ft 5.0 / 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																										
191+60 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
191+60 RT	SPEED LIMIT 35	1	24	30	5.0		~~1~~				1					X																		R2-1		
192+00 RT	STOP 1160 0414 0363	1	30	30	~~6.25~~		~~1~~				1					~~X~~																		BACK TO BACK R1-1 LEGAL AS IS		E-143
196+95 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					~~X~~																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017 POSTS OKAY (SQUARE TUBE)		E-141
197+40 RT	STOP 1160 0414 0373	1	30	30	6.25		1				1					~~X~~																		BACK TO BACK R1-1 USED EXISTING POST, NEW STUB		E-143
197+95 LT	STOP 1160 0414 0375	1	30	30	~~6.25~~		1				1					~~X~~																		BACK TO BACK R1-1 LEGAL AS IS		E-143
198+25 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	~~5.0~~		1				1					X																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017 NEW POST ONLY		E-141
200+45 RT		1	30	30	~~6.25~~						1					~~X~~																		LEGAL AS IS		E-152
	AHEAD	1	24	12	~~2.0~~																													LEGAL AS IS W16-7P	40	
202+40 LT	STOP	1	30	30	~~6.25~~						1					~~X~~																		LEGAL AS IS R1-1		E-143
202+75 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.0						1					~~X~~																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017 POSTS OKAY		E-141
205+95 LT	STOP 1160 0414 0390	1	30	30	~~6.25~~		~~1~~				1					~~X~~																		LEGAL AS IS BACK TO BACK R1-1		E-143
			SF	SF	EA.	SF			FT	FT	FT	FT	FT 165	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB								
	SHEET TOTALS		59.5		5								165																								

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #7

PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts07.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **36** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 8

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.16	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD. lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
												OPTION ITEMS																									
207+45 RT		1	30	30	~~6.25~~						1					~~X~~			X															LEGAL AS IS COLOR TO BE FLUORESCENT YELLOW-GREEN W11-2		E-152
		1	24	12	~~2.0~~																													COLOR TO BE FLUORESCENT YELLOW-GREEN W16-7P LEGAL AS IS		E-152
207+65 LT		1	30	30	6.25						1					~~X~~			X															POSTS OKAY, SIGN DAMAGED COLOR TO BE FLUORESCENT YELLOW-GREEN W11-2		E-152
		1	24	12	2.0																													COLOR TO BE FLUORESCENT YELLOW-GREEN W16-7P		E-152
208+65 LT		1	30	30	~~6.25~~		1				1					X																		BACK TO BACK R1-1 POST ONLY		E-143
208+95 LT		1	24	30	5.0						1					~~X~~																		REFER TO STANDARD E-121 FOR PLACEMENT. VR-017		E-141
211+35 LT		1	30	30	6.25						1					~~X~~																		R1-1		E-143
213+20 RT		1	30	30	~~6.25~~						1					~~X~~																		LEGAL AS IS W11-2		E-152
		1	24	12	~~2.0~~																													LEGAL AS IS W16-7P	40	
214+75 RT		1	36	36	9.0						2					~~X~~																		POSTS OKAY		E-152
216+60 RT		1	24	30	5.0						1					X																		REFER TO STANDARD E-121 FOR PLACEMENT VR-017.		E-141
216+95 RT		1	30	30	~~6.25~~		~~1~~				1					~~X~~																		BACK TO BACK R1-1 LEGAL AS IS		E-143
					SF	SF	EA.	SF				FT	FT	FT	FT	FT	FT		EA.	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB					
																150																			
				SHEET TOTALS	62.5		2								150																					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #8

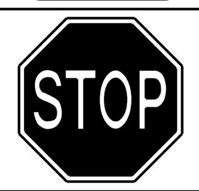
PROJECT: **ST. GEORGE-SO. BURLINGTON**
PROJECT NO.: **ST-STP 2508(1)S**
DATE: 8-06

DESIGN FILE NAME: p05b052.dgn
IPARM FILE NAME: p05b052ts08.i
SURVEYED BY:
SQUAD LEADER:

PLOT DATE: 03-MAY-2012 17:55
SURVEY DATE:
DRAWN BY: C.E.A., INC.
SHEET: **37** OF **42**

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 9

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 (1.88 lb/ft)	2.0 (2.16 lb/ft)	2.5 (3.35 lb/ft)	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 (1.3 lb/ft)	4.0 (1.7 lb/ft)	4.0 MOD. (1.7 lb/ft)	FOUNDATION	TUBULAR STEEL Ø (in) 3.0 (7.6 lb/ft)	3.5 (9.0 lb/ft)	4.0 (10.8 lb/ft)	5.0 (14.6 lb/ft)	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL: DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																							
219+90 RT		1	30	30	6.25						1					X																	MIRROR IMAGE OF VR-921		E-145A
221+10 LT		1	30	30	6.25						1					X																	R1-1		E-143
222+70 RT		1	36	30	7.5						1 ~~2~~					X																	MIRROR IMAGE OF VR-922		E-145A
	 						1																												
222+75 LT		1	30	30	6.25						1					X																	VR-921		E-145A

	"A" SF	"B" SF	SALV SIGN EA.	SALV TIS SF	FC 1.12 FT	FC 2.0 FT	FC 3.0 FT	SS 1.75 FT	SS 2.0 FT	SS 2.5 FT	SLEEVE EA.	TA 3.0 LB	TA 4.0 LB	TA 4.0 MOD. LB	FOUNDATION EA.	TS 3.0 LB	TS 3.5 LB	TS 4.0 LB	TS 5.0 LB	FTG 24" EA.	FTG 30" EA.	WEIGHT LB
SHEET TOTALS	26.25		1						75													
SIGN SHEET #1	63.25		3						195													
SIGN SHEET #2	67.5		5						180													
SIGN SHEET #3	66.25		4						165													
SIGN SHEET #4	67.0		1						195													
SIGN SHEET #5	60.25		2						135													
SIGN SHEET #6	68.0		5						226													
SIGN SHEET #7	59.5		5						165													
SIGN SHEET #8	62.5		2						150													
SIGN SHEET #9	26.25		1						75													
PROJECT TOTALS	540.5		28						1,470													

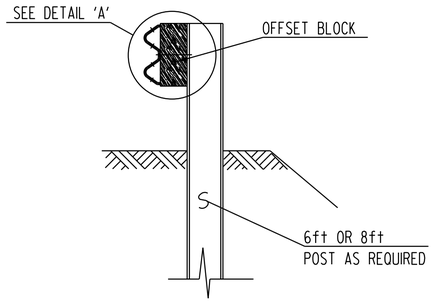
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEET AND THE ROADWAY, TRAFFIC & SAFETY AND PAVEMENT MANAGEMENT SECTION'S SIGN POST DESIGN GUIDELINE.

TRAFFIC SIGN SUMMARY SHEET #9	PROJECT: **ST. GEORGE–SO. BURLINGTON**	PROJECT NO.: **ST–STP 2508(1)S** DATE: 8-06
	DESIGN FILE NAME: p05b052.dgn IPARM FILE NAME: p05b052ts09.i SURVEYED BY: SQUAD LEADER:	PLOT DATE: 03-MAY-2012 17:56 SURVEY DATE: DRAWN BY: C.E.A., INC. SHEET: **38** OF **42**

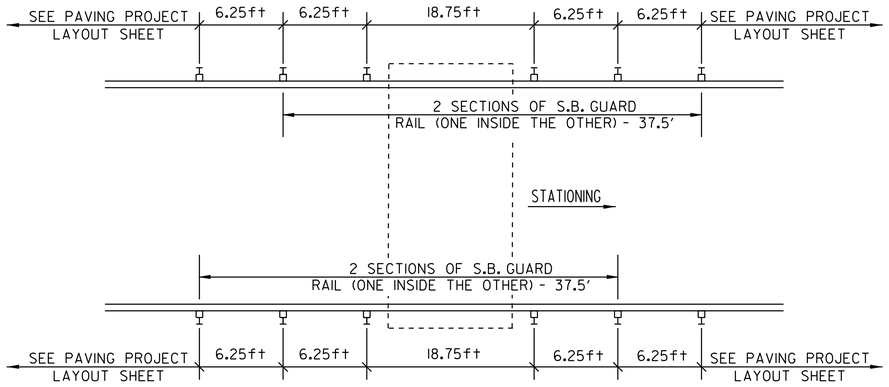
NOTES

1. SEE STANDARD G-1& G-1D FOR STEEL BEAM GUARD RAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 900.640, SPECIAL PROVISION (STEEL BEAM GUARDRAIL, GALVANIZED/NESTED).

DETAIL A

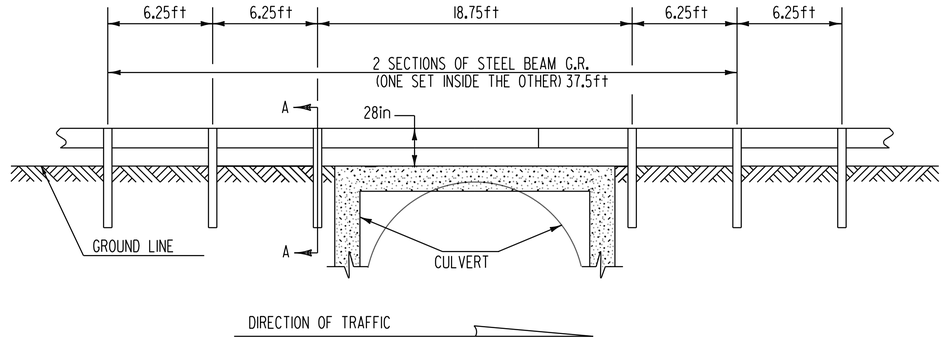


SECTION A–A

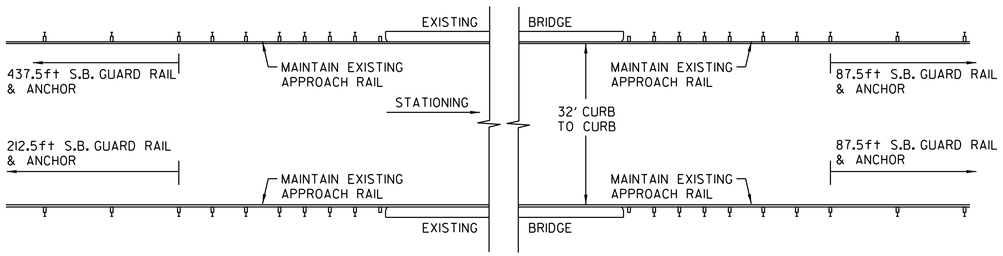


WILLISTON – BRIDGE #30

STA 22+02 = MM 0.417



DETAIL OF STEEL BEAM GUARD RAIL AT LARGE CULVERTS

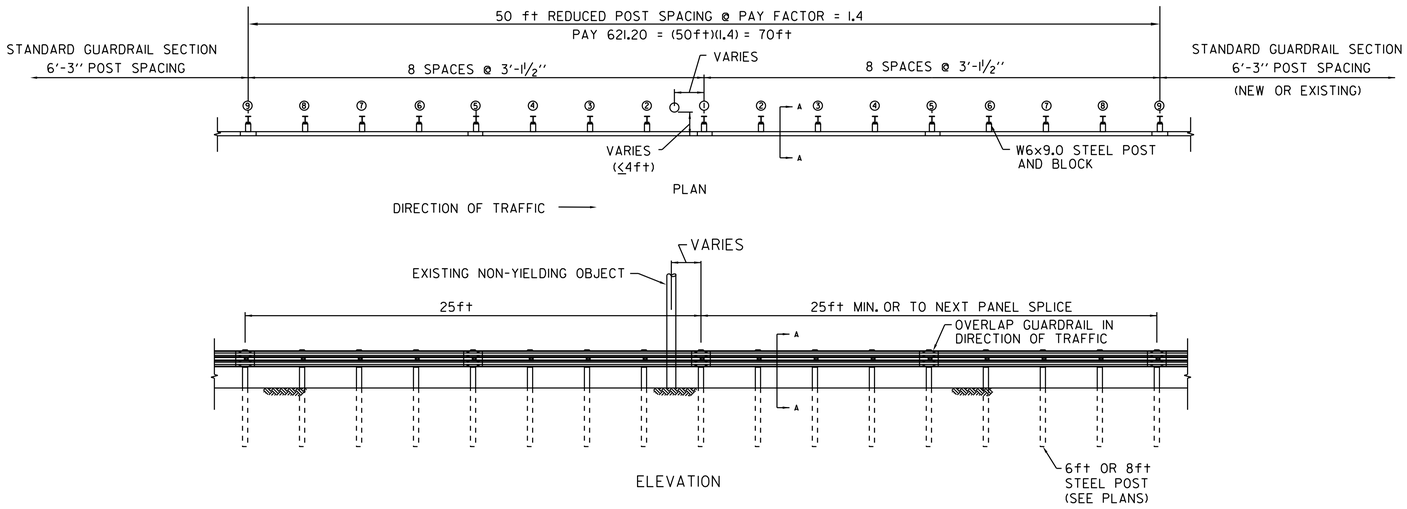


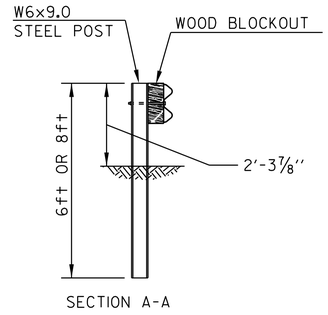
SOUTH BURLINGTON – BRIDGE #31

STA 139+83 = MM 2.648

BRIDGE DETAIL SHEET #1

DESIGNED BY BCE/PJM DATE 6-07
DRAWN BY C.E.A., INC. DATE 6-07
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052dt03.i DATE PLOTTED 03-MAY-2012 17:
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**
PROJ. NO. **ST–STP 2508(1)S**
SHEET **39** OF **42** SHEETS

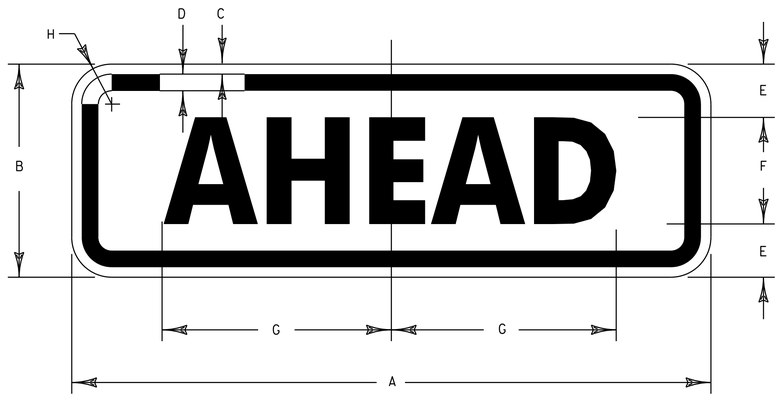




NON–YIELDING OBJECT APPROACH DETAIL

SHELBURNE

STA 78+25 LT



W16–7P

SO. BURLINGTON

STA 200+45 RT

STA 213+20 RT

SIGN	DIMENSIONS (in)							
	A	B	C	D	E	F	G	H
	24	12	⅜	⅝	3	6D	8	1½

NON–YIELDING OBJECT APPROACH and SIGN DETAIL SHEET

DESIGNED BY BCE/PJM DATE 8-06

DRAWN BY C.E.A., INC. DATE 8-06

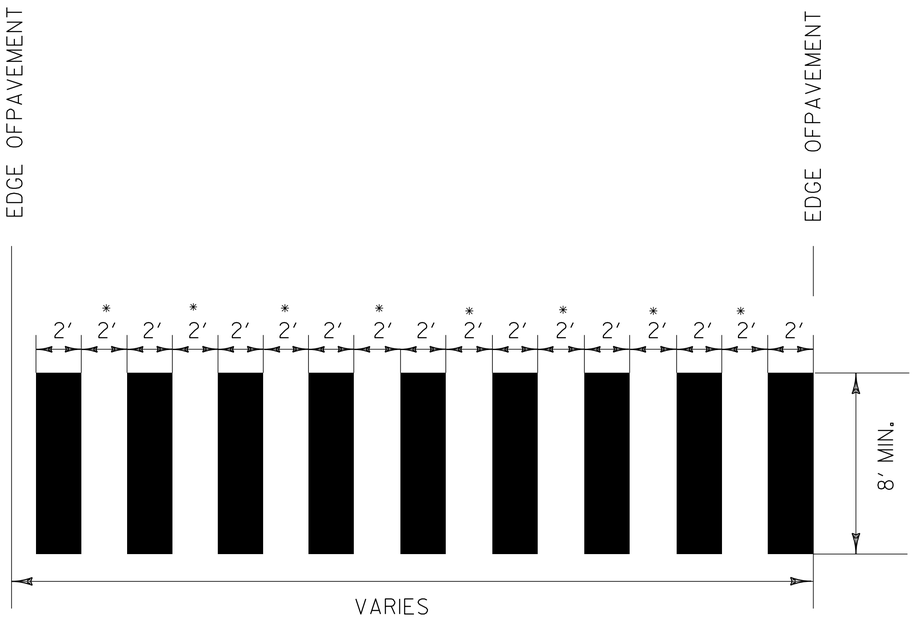
DESIGN FILE NO. p05b052.dgn

PRF FILE p05b052dt04.i DATE PLOTTED 03-MAY-2012 17:

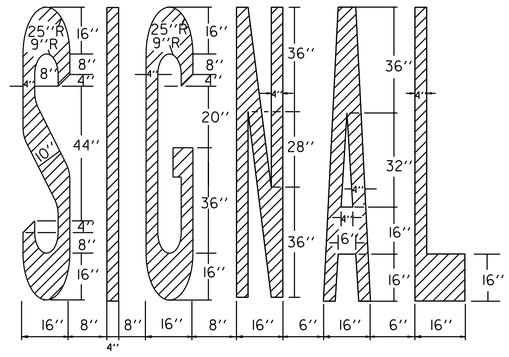
PROJ. NAME **ST. GEORGE–SO. BURLINGTON**

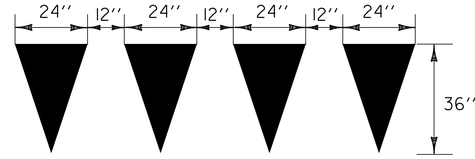
PROJ. NO. **ST–STP 2508(1)S**

SHEET **40** OF **42** SHEETS



BLOCK PATTERN CROSSWALK DETAIL





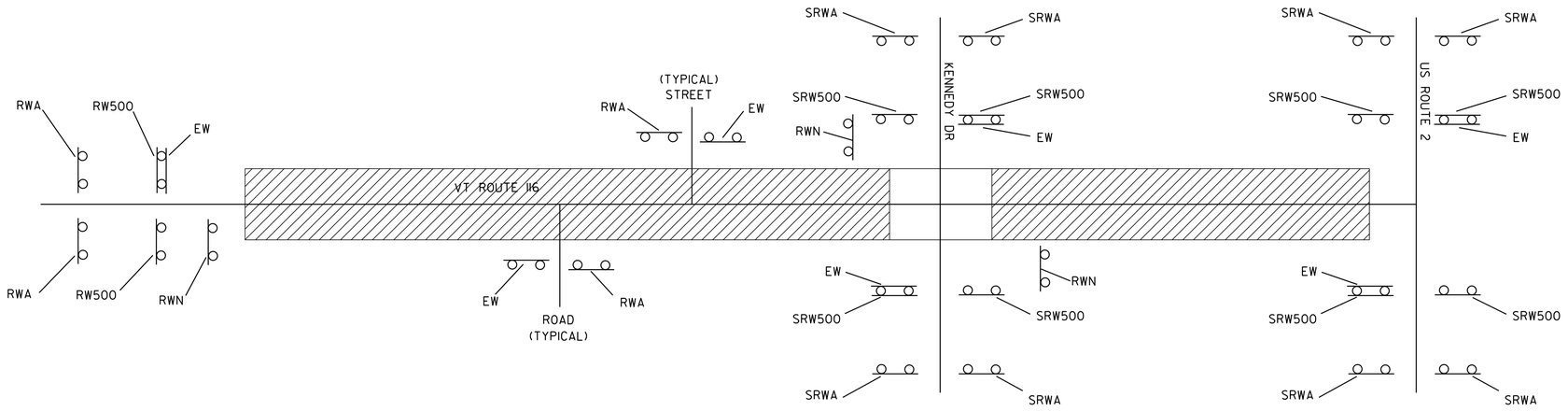
YIELD LINE DETAILS

TO BE INSTALLED ONLY AT THE
DIRECTION OF THE RESIDENT ENGINEER
TO BE PAID AS ONE LETTER OR SYMBOL
PER TRIANGLE

DATUM
VERTICAL N/A
HORIZONTAL N/A

PAVEMENT MARKING DETAIL SHEET

DESIGNED BY BCE/PJM DATE 6-07
DRAWN BY C.E.A., INC. DATE 6-07
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052pmd.i DATE PLOTTED 03-MAY-2012 17:
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **41** OF **42** SHEETS



LEGEND

RWA = ROAD WORK AHEAD
RW500 = ROAD WORK 500 FEET
EW = END WORK
RWN = ROAD WORK NEXT II MILES
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.

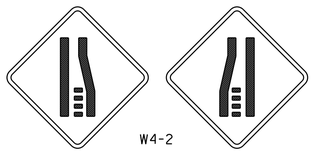
NOTES:

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 641.10, "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 641.10, "TRAFFIC CONTROL".
3. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE RESIDENT ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, "PORTABLE CHANGEABLE MESSAGE SIGN".

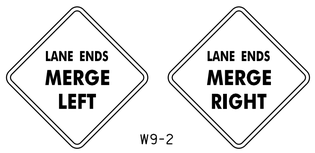
   PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY.

   THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED TO SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS.

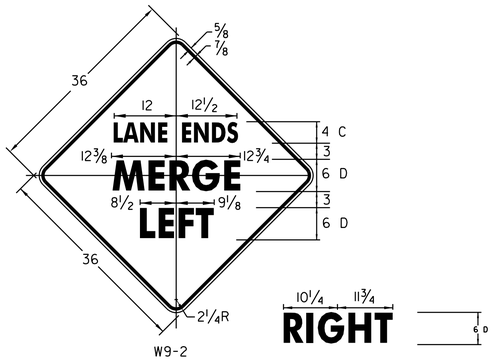
   THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.
4. THE MUTCD 2003 SHALL BE THE STANDARD FOR 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.
5. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSRUCT 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.
6. ON VTRANS STANDARDS E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2:
7. PAYMENT FOR CONSTRUCTION SIGNING WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10, TRAFFIC CONTROL.



W4-2



W9-2



W9-2

MATERIALS & COLORS:
PER VAOT STANDARD E-154

LIST OF CONSTRUCTION SIGNS

TOWN HIGHWAY	RWA	RW500	SRWA	SRW500	EW	RWN
ST. GEORGE						
BEGIN PROJECT	2	2			1	1
VT ROUTE 2A	1				1	
TH #5	1				1	
	1				1	
SHELBURNE						
TH#19	1				1	
ST. GEORGE						
TH #6	1				1	
TH #7	1				1	
SOUTH BURLINGTON						
TH#10	1				1	
TH#23	1				1	
TH#146	1				1	
BUTLER DR.	1				1	
TH#163	1				1	
TH#159	1				1	
TH#157	1				1	
MEADOWLAND DR	1				1	
(VERIZON)	1				1	
TH#9	1				1	
ELDREDGE RD	1				1	
TH #145	1				1	
KENNEDY DR			4	4	2	2
TH #68	1				1	
TH #67	1				1	
TH #120	1				1	
LILAC LANE	1				1	
TH #12	1				1	
TH #10	1				1	
TH #41	1				1	
TH #43	1				1	
TH #66	1				1	
MARKETPLACE RD	1				1	
END PROJECT			4	4	2	
TOTALS	30	2	8	8	33	3

DATUM
VERTICAL N/A
HORIZONTAL N/A

CONSTRUCTION APPROACH SIGNING

DESIGNED BY BCE/PJM DATE 6-07
DRAWN BY C.E.A., INC. DATE 6-07
DESIGN FILE NO. p05b052.dgn
PRF FILE p05b052cas.i DATE PLOTTED 03-MAY-2012 17:
PROJ. NAME **ST. GEORGE-SO. BURLINGTON**
PROJ. NO. **ST-STP 2508(1)S**
SHEET **42** OF **42** SHEETS