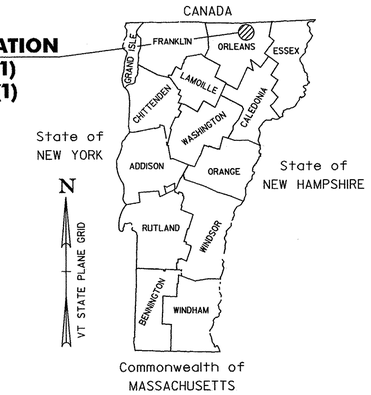
INDEX OF SHEETS

SEE SHEET 2 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROJECT LOCATION
STP 2719(1)
STP 2703(1)



PROPOSED IMPROVEMENT
CITY OF NEWPORT AND VILLAGE OF DERBY
COUNTY OF ORLEANS

NEWPORT CITY
STP 2719(1)
ALT U.S. ROUTE 5

SEE SHEET 6 OF 62

DERBY
STP 2703(1)
U.S. ROUTE 5 &
ALT U.S. ROUTE 5

SEE SHEET 25 OF 62

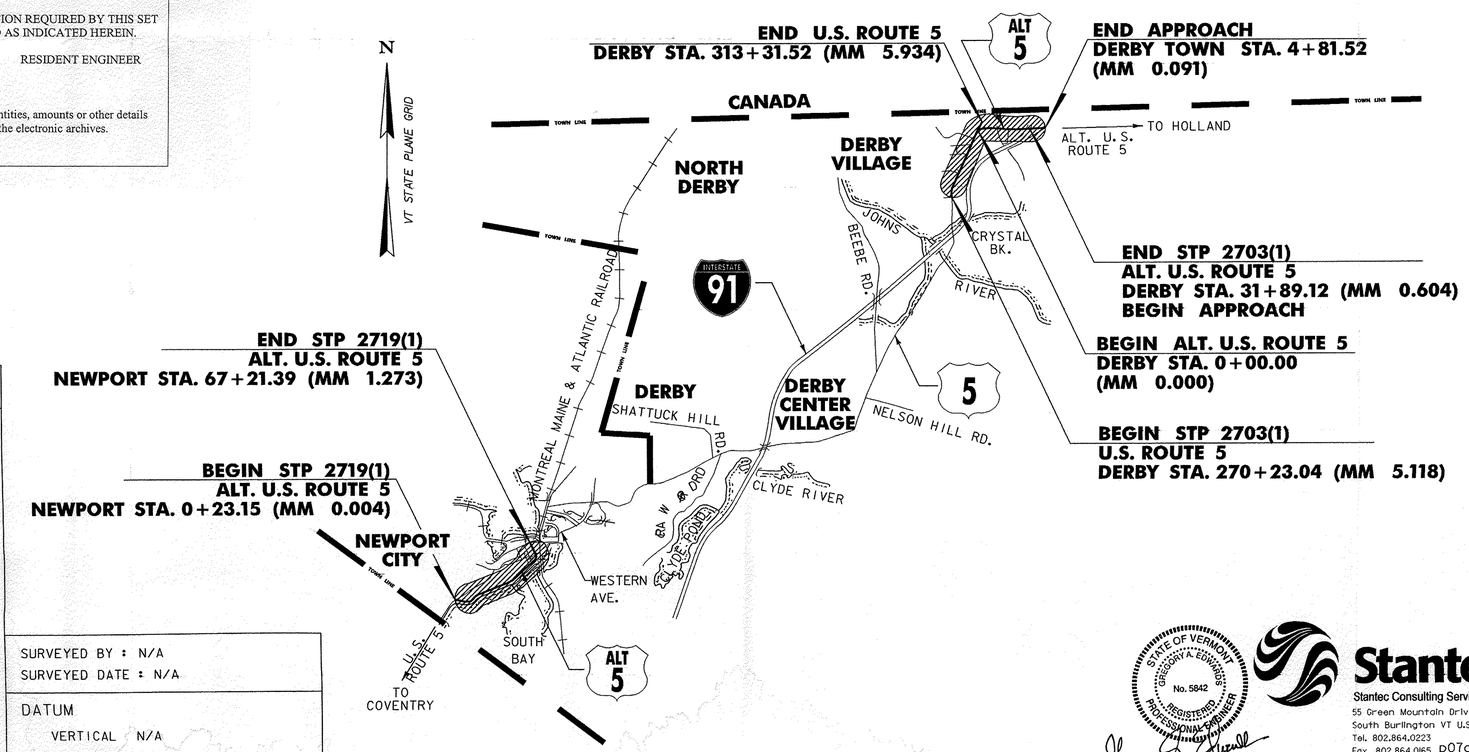
RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. – BERLIN, VT
RESIDENT ENGINEER: SETH HISMAN
CONSTRUCTION BEGAN: AUGUST 2, 2010
CONSTRUCTION COMPLETE: JUNE 22, 2011
RECORD PLANS BY: SETH HISMAN& JENNA HYDE

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

BY Seth Hisman RESIDENT ENGINEER
DATE 1/16/13

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



NOTES:

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 PURPOSES.

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

CONVENTIONAL SYMBOLS

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

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

STATE OF VERMONT
GREGORY A. EDWARDS
No. 5842
REGISTERED PROFESSIONAL ENGINEER
02-12-10

Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

p07d202.dgn
p07d202ts.l

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Peter Thomas DATE 2/22/10

PROJECT MANAGER : KEVIN MARSHIA

PROJECT NAME : NEWPORT CITY / DERBY
PROJECT NUMBER : STP 2719(1) / STP 2703(1)

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2	COMPOSITE INDEX OF SHEETS & VAOT STANDARDS
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NEWPORT STP 2719(1) ALT. U.S. ROUTE 5

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10	ITEM DETAIL SUMMARY SHEET
11	DRIVE DETAIL SHEET
12-19	PROJECT LAYOUT SHEETS
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22	VEHICLE LOOP DETECTOR DETAIL SHEET
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DERBY STP 2703(1) U.S. ROUTE 5 /ALT. U.S. ROUTE 5

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59	PAVEMENT MARKING DETAIL SHEET
60	STRUCTURE LOCATIONS SHEET
61	FRENCH CONSTRUCTION SIGN DETAIL SHEET
62	TEMPORARY TRAFFIC CONTROL PLAN

VAOT STANDARDS

C-2A	10-14-05
C-2B	10-14-05
C-3A	03-10-08
C-3B	03-10-08
C-10	02-11-08
D-8	01-03-00
D-9	06-01-94
D-15	06-01-94
D-16	06-01-94
E-100	01-02-04
E-100A	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-103	03-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	06-08-09
E-108	06-08-09
E-108A	06-08-09
E-110	08-08-95
E-120	08-08-95
E-121	08-08-95
E-136A	08-08-95
E-138	05-30-03
E-143	06-15-04
E-145A	12-23-94
E-150	05-01-04
E-152	05-01-04
E-164	06-08-09
E-172	08-09-95
E-191	02-01-99
E-192	10-12-00
E-193	08-18-95
G-1	01-03-2000
G-1d	01-03-2000
G-19	11-15-02
ESFM	07-10-97
PSF-3M	07-10-97

NOT TO SCALE

COMPOSITE INDEX OF SHEETS & VAOT STANDARDS

PROJECT NAME: NEWPORT CITY / DERBY
PROJECT NUMBER: STP 2719(1) / STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07D202_02.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 2 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 1

NEWPORT CITY STP 2719(I)			DERBY STP 2703(I)				TOTALS		DESCRIPTIONS				
ROADWAY	EROSION CONTROL	FULL C.E.	ROADWAY	BRIDGE	EROSION CONTROL	FULL C.E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
9			38				47		CY	COMMON EXCAVATION	203.15	-
6			17				23		CY	SOLID ROCK EXCAVATION	203.16	-
730							730		LF	SHOULDER BERM REMOVAL	203.40	-
1			1				2		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
25000			31400				56400		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	-
8			30				38		CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	-
13			43				56		TON	AGGREGATE SHOULDERS, RAP	402.13	-
104			132				236		CWT	EMULSIFIED ASPHALT	404.65	-
1			1				2		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
3100			3950				7050		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	-
1			1				2		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
				70			70		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	-
				100			100		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	-
1			1				2		EA	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	-
3			11				14		EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
2			11				13		EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	-
2			11				13		EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III	604.418	-
20			26				46		EA	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
70			80				150		HR	POWER GRADER RENTAL	608.15	-
70			80				150		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	-
25			25				50		HR	POWER BROOM RENTAL, TYPE I	608.30	-
40			40				80		HR	POWER BROOM RENTAL, TYPE II	608.31	-
40			40				80		HR	TRUCK RENTAL	608.37	-
40			40				80		HR	LOADER RENTAL, TYPE I	608.40	-
70			45				115		LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	-
70			45				115		LF	REMOVAL OF EXISTING CURB	616.41	-
			4.5				4.5		TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	-
45			180				225		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	-
50			300				350		SF	DETECTABLE WARNING SURFACE	618.30	-
23			18				41		EA	YIELDING MARKER POSTS	619.17	-
			280				280		LF	SNOW BARRIER, GALVANIZED	620.75	-
375			1000				1375		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-
2			4				6		EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
			100				100		LF	ALUMINUM APPROACH RAILING	621.74	-
315			1073				1388		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-
4			14				18		EA	ADJUST ELEVATION OF VALVE BOX	629.20	-
960			1340				2300		HR	UNIFORMED TRAFFIC OFFICERS	630.10	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: NEWPORT CITY / DERBY
PROJECT NUMBER: STP 2719(I) / STP 2703(I)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_03.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 3 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 2

NEWPORT CITY STP 2719(I)			DERBY STP 2703(I)				TOTALS		DESCRIPTIONS				
ROADWAY	EROSION CONTROL	FULL C.E.	ROADWAY	BRIDGE	EROSION CONTROL	FULL C.E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
2880			4020				6900		HR	FLAGGERS	630.15	-
		0.5				0.5	1		LS	FIELD OFFICE, ENGINEERS	631.10	-
		0.5				0.5	1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-
		0.5				0.5	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
		0.5				0.5	1		LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	-
0.5			0.5				1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-
1							1		LS	TRAFFIC CONTROL (STP 2719(I))	641.10	-
			1				1		LS	TRAFFIC CONTROL (STP 2703(I))	641.10	-
0.5			0.5				1		LS	PUBLIC RELATIONS OFFICER	641.12	-
			2				2		EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
13100							13100		LF	4 INCH WHITE LINE	646.20	-
13300							13300		LF	4 INCH YELLOW LINE	646.21	-
75							75		LF	24 INCH STOP BAR	646.26	-
21							21		EA	LETTER OR SYMBOL	646.30	-
120							120		LF	CROSSWALK MARKING	646.31	-
			16900				16900		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	-
			15300				15300		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	-
			240				240		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	-
			115				115		EA	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
			1040				1040		LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	-
26200			33800				60000		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	-
26600			30700				57300		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	-
150			480				630		LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	-
42			230				272		EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
240			2070				2310		LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	-
680			940				1620		EA	LINE STRIPING TARGETS	646.76	-
	40				40		80		LB	SEED	651.15	-
	250				250		500		LB	FERTILIZER	651.18	-
	1				1		2		TON	AGRICULTURAL LIMESTONE	651.20	-
	1				1		2		TON	HAY MULCH	651.25	-
	25				25		50		CY	TOPSOIL	651.35	-
	200				200		400		SY	TEMPORARY EROSION MATTING	653.20	-
71			245				316		SF	TRAFFIC SIGNS, TYPE A	675.20	-
150			485				635		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-
8			47				55		EA	REMOVING SIGNS	675.50	-
3			16				19		EA	ERECTING SALVAGED SIGNS	675.60	-
2			4				6		EA	DELINEATOR WITH STEEL POST	676.10	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: NEWPORT CITY / DERBY
PROJECT NUMBER: STP 2719(I) / STP 2703(I)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_04.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 4 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

COMPOSITE QUANTITY SHEET 3

NEWPORT CITY STP 2719(1)			DERBY STP 2703(1)				TOTALS		DESCRIPTIONS				
ROADWAY	EROSION CONTROL	FULL C.E.	ROADWAY	BRIDGE	EROSION CONTROL	FULL C.E.	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NO.	ROUND
2			4				6		EA	REMOVAL OF EXISTING DELINEATOR	676.12	-
260							260		LF	VEHICLE LOOP DETECTOR	678.22	-
1			1				2		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
760			730				1490		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	-

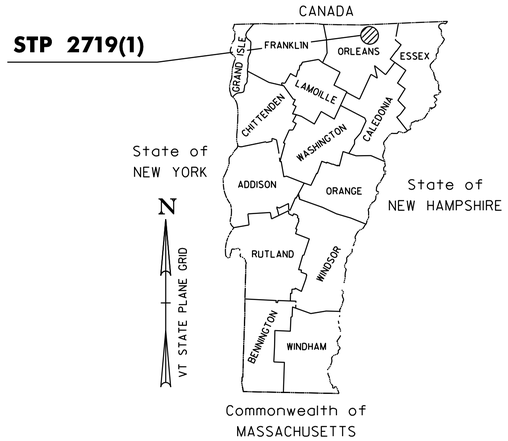
DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: NEWPORT CITY / DERBY
PROJECT NUMBER: STP 2719(1) / STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_05.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 5 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
CLASS 1 TOWN HIGHWAY
CITY OF NEWPORT
COUNTY OF ORLEANS
ALT. U.S. ROUTE 5

BEGINNING IN THE CITY OF NEWPORT NEAR THE INTERSECTION OF PLEASANT STREET (U.S. ROUTE 5) AT STA. 0+23.15 (MM 0.004) AND EXTENDING NORTHERLY ALONG ALT. U.S. ROUTE 5 FOR A DISTANCE OF 6698.24 FEET (1.269 MILES) TO THE INTERSECTION OF WEST MAIN STREET (U.S. ROUTE 5) AT STA 67+21.39 (MM 1.273).

PROJECT DATA:	LENGTH (FEET)	LENGTH (MILES)
CITY OF NEWPORT		
ALT. U.S. ROUTE 5		
STA. 0+23.15 TO 67+21.39	6698.24	
MM 0.004 TO 1.273		1.269
TOTAL LENGTH OF PROJECT:	6698.24	1.269
TOTAL LENGTH OF ROADWAY:	6698.24	1.269

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, GUARD RAIL, SIGNS AND OTHER INCIDENTAL ITEMS

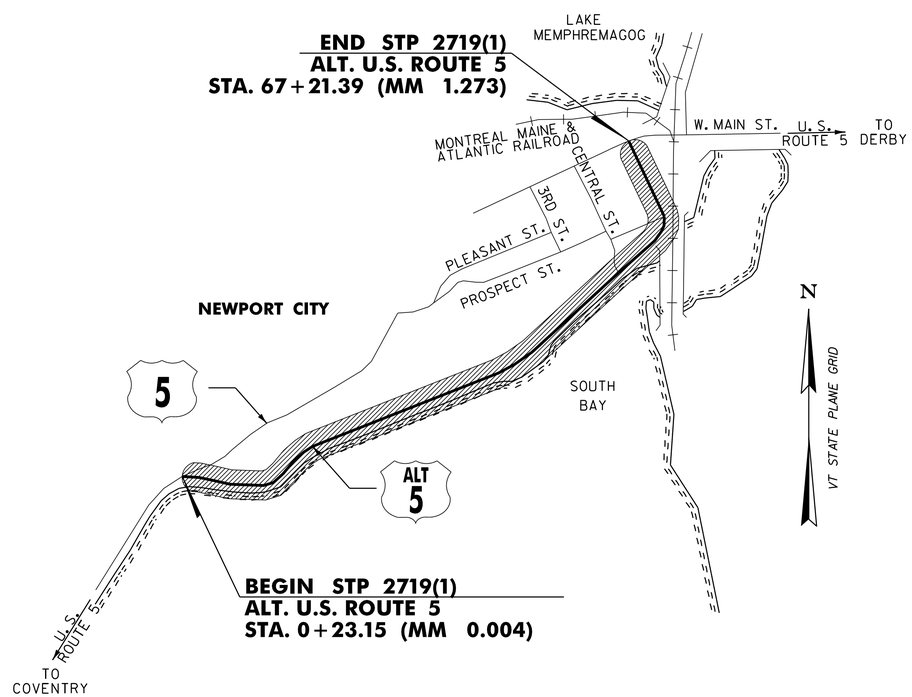
TRAFFIC DATA

ALT. U.S. ROUTE 5

LOCATION	AADT		DHV		ESALS	
	2010	2030	2010	2030	2010-2030	2010-2050
BEGIN PROJECT MM 0.000 TO END PROJECT MM 1.283	4800	5500	540	620	783,000	1,836,000
-						

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	918,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS



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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.

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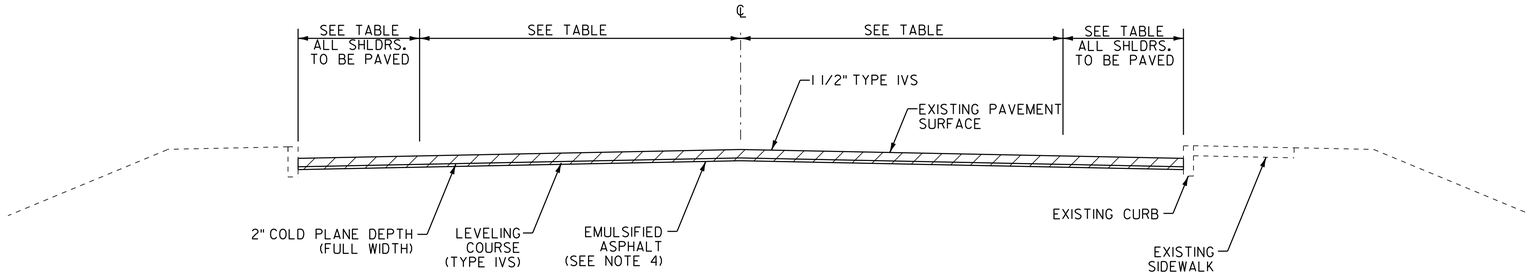
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE

SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

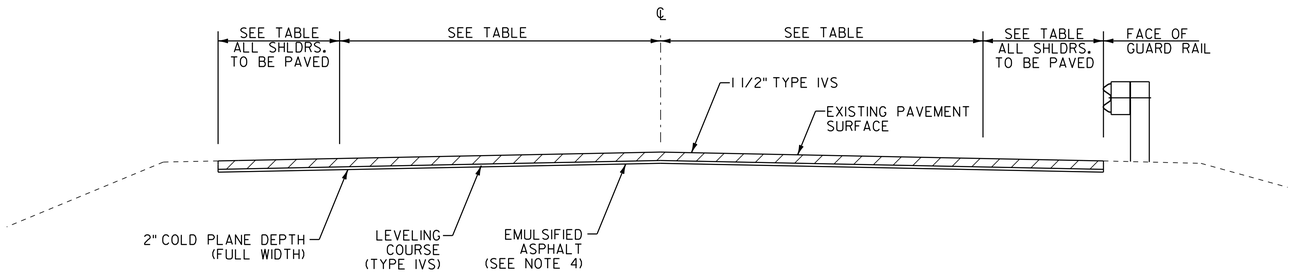
PROJECT MANAGER : KEVIN MARSHIA

PROJECT NAME : NEWPORT CITY
PROJECT NUMBER : STP 2719(1)



COLD PLANE TYPICAL SECTION – CURBED

ALT. U.S. ROUTE 5 NEWPORT CITY STA. 58+02 TO 67+21.39

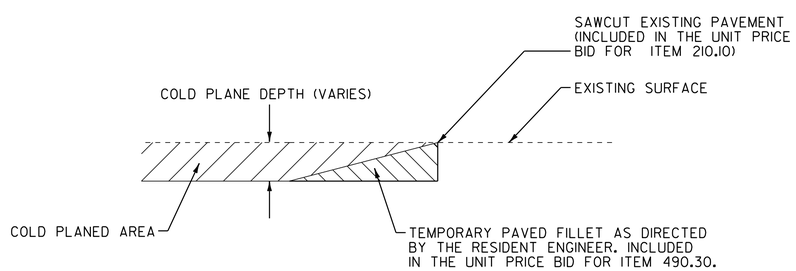


COLD PLANE TYPICAL SECTION – UNCURBED

ALT. U.S. ROUTE 5 NEWPORT CITY STA. 0+23.15 TO 58+02

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
NEWPORT CITY ALT. U.S. ROUTE 5	0+23.15	5+00.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	5+00.00	29+50.00	1'-0" - 11'-0" - 11'-0" - 1'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	29+50.00	30+00.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	30+00.00	34+50.00	1'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	34+50.00	35+00.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	35+00.00	40+00.00	2'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	40+00.00	41+00.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	41+00.00	52+08.00	1'-0" - 11'-0" - 11'-0" - 1'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
NEWPORT CITY ALT. U.S. ROUTE 5	52+08.00	67+21.39	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.



DETAIL AT VERTICAL COLD PLANE JOINTS

NOTE: THIS DETAIL SHALL BE USED FOR THE SIDE ROADS LISTED BELOW AND AT ALL DRIVES AS DIRECTED BY THE RESIDENT ENGINEER.

FULL ROADWAY WIDTH

STA. 0+23.15 (BEGIN PROJECT)
STA. 51+34, LT (SECOND ST.)
STA. 59+06, LT (EASTERN AVE.)
STA. 67+21.39 (END PROJECT)

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
2. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
4. EMULSIFIED ASPHALT 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.
5. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL BELOW.
6. ALL PUBLIC, PRIVATE OR FIELD DRIVES SHALL RECEIVE A MINIMUM 4' PAVED APRON PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
7. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES FROM THE AGENCY'S APPROVED PRODUCT LIST.
8. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
9. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II, ITEM 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN EVENLY DISTRIBUTED BETWEEN ITEMS 604.412, 604.415, AND 604.418 FOR ESTIMATING PURPOSES.
10. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT. PAYMENT FOR CONNECTING NEW STEEL BEAM GUARDRAIL TO EXISTING STEEL BEAM GUARDRAIL WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED.

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

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

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: 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 ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

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

NOT TO SCALE

PROJECT TYPICAL SHEET

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07D202_07.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 7 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES				TOTALS				DESCRIPTIONS			
				ROADWAY	EROSION CONTROL	FULL C.E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
				9			9	CY	COMMON EXCAVATION	203.15	1
				6			6	CY	SOLID ROCK EXCAVATION	203.16	0.6
				730			730	LF	SHOULDER BERM REMOVAL	203.40	6
				1			1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.
				25000			25000	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	295
				8			8	CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	0.7
				13			13	TON	AGGREGATE SHOULDERS, RAP	402.13	0.8
				104			104	CWT	EMULSIFIED ASPHALT	404.65	0.4
				1			1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	EST.
				3100			3100	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	156
				1			1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	EST.
				1			1	EA	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.
				3			3	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.
				2			2	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.
				2			2	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III	604.418	EST.
				20			20	EA	CHANGING ELEVATION OF SEWER MANHOLES	604.42	EST.
				70			70	HR	POWER GRADER RENTAL	608.15	EST.
				70			70	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
				25			25	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
				40			40	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
				40			40	HR	TRUCK RENTAL	608.37	EST.
				40			40	HR	LOADER RENTAL, TYPE I	608.40	EST.
				70			70	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	4
				70			70	LF	REMOVAL OF EXISTING CURB	616.41	4
				45			45	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	1.6
				50			50	SF	DETECTABLE WARNING SURFACE	618.30	2
				23			23	EA	YIELDING MARKER POSTS	619.17	-
				375			375	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	3.5
				2			2	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
				315			315	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-
				4			4	EA	ADJUST ELEVATION OF VALVE BOX	629.20	-
				960			960	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
				2880			2880	HR	FLAGGERS	630.15	EST.
						0.5	0.5	LS	FIELD OFFICE, ENGINEERS	631.10	-
						0.5	0.5	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
						0.5	0.5	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
						0.5	0.5	LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	-

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
24479	SY	MAINLINE
226	SY	SIDE ROADS
295	SY	ROUNDING
25000	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
2188	TON	MAINLINE WEARING COURSE (TYPE IVS)
20	TON	SIDE ROADS WEARING COURSE (TYPE IVS)
736	TON	LEVELING (TYPE IVS)
156	TON	ROUNDING
3100	TON	TOTAL

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07D202_08.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 8 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES				TOTALS					DESCRIPTIONS		
				ROADWAY	EROSION CONTROL	FULL C.E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
				0.5			0.5	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
				1			1	LS	TRAFFIC CONTROL (STP 2719(1))	641.10	-
				0.5			0.5	LS	PUBLIC RELATIONS OFFICER	641.12	-
				13100			13100	LF	4 INCH WHITE LINE	646.20	125
				13300			13300	LF	4 INCH YELLOW LINE	646.21	108
				75			75	LF	24 INCH STOP BAR	646.26	1
				21			21	EA	LETTER OR SYMBOL	646.30	-
				120			120	LF	CROSSWALK MARKING	646.31	1
				26200			26200	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	250
				26600			26600	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	216
				150			150	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	2
				42			42	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
				240			240	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	2
				680			680	EA	LINE STRIPING TARGETS	646.76	5
					40		40	LB	SEED	651.15	EST.
					250		250	LB	FERTILIZER	651.18	EST.
					1		1	TON	AGRICULTURAL LIMESTONE	651.20	EST.
					1		1	TON	HAY MULCH	651.25	EST.
					25		25	CY	TOPSOIL	651.35	EST.
					200		200	SY	TEMPORARY EROSION MATTING	653.20	EST.
				71			71	SF	TRAFFIC SIGNS, TYPE A	675.20	-
				150			150	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-
				8			8	EA	REMOVING SIGNS	675.50	-
				3			3	EA	ERECTING SALVAGED SIGNS	675.60	-
				2			2	EA	DELINEATOR WITH STEEL POST	676.10	-
				2			2	EA	REMOVAL OF EXISTING DELINEATOR	676.12	-
				260			260	LF	VEHICLE LOOP DETECTOR	678.22	2
				1			1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
				760			760	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	7

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07D202_09.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 9 OF 62

ITEM DETAIL SUMMARY SHEET

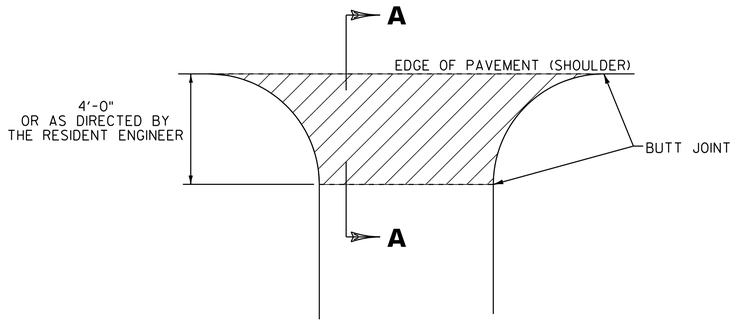
LOCATION			GUARDRAIL			MISCELLANEOUS															REMARKS
			621.20	621.60	621.80	203.15	203.16	203.40	301.26	604.40	604.412	604.415	604.418	616.28	616.41	618.10	618.30	619.17	676.10	676.12	
BEGIN STATION	END STATION	POS.	S.B. GR. GALV.	ANCHOR FOR S.B. RAIL	REMOVAL & DISPOSAL OF GUARDRAIL	COMMON EXCAVATION	SOLID ROCK EXCAV.	SHOULDER BERM REMOVAL	SUBBASE CRUSHED GRAVEL	CHAN ELEV OF DI, CB OR MH	REHAB DI, CB, OR MH, CLASS I	REHAB DI, CB, OR MH, CLASS II	REHAB DI, CB, OR MH, CLASS III	C-I-P CONC. CURB TYPE B	REMOVAL OF EXIST. CURB	PORT. CEM. CONC. SIDEWALK, 5 INCH	DET. WARNING SURFACE	YIELDING MARKER POSTS	DELINEATOR WITH STEEL POST	REMOVAL OF EXISTING DELINEATOR	
			LF	EA	LF	CY	CY	LF	CY	EA	EA	EA	EA	LF	LF	SY	SF	EA	EA	EA	
ALT. U.S. ROUTE 5																					
NEWPORT CITY																					
0+23.15	67+21.39							724		1	3	2	2					23			QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER. FOR STRUCTURE LOCATIONS, SEE MISCELLANEOUS DETAIL SHEET.
41+81	43+58.5	RT	202	1	177.5														1	1	CONNECT NEW STEEL BEAM GUARDRAIL TO EXISTING GUARDRAIL AT 43+58.5, RT; SEE REDUCED GUARDRAIL POST SPACING DETAIL #1 ON MISCELLANEOUS SHEET; PROVIDE ANCHOR AT STA. 41+83.5, RT.
50+19.5	51+32	RT	142.5		112.5																CONNECT NEW STEEL BEAM GUARDRAIL TO EXISTING GUARDRAIL AT STA. 50+19.5 AND 51+32, RT. SEE REDUCED GUARDRAIL POST SPACING DETAIL #2 ON MISCELLANEOUS DETAIL SHEET.
51+95	52+20	RT	27	1	25														1	1	SEE VAOT STANDARD SHEET G-ID, PROVIDE ANCHOR AT 52+20, RT
59+04		LT				1.4	1.2		1.4					15	15	8.3	8				CONSTRUCT SIDEWALK RAMP, TYPE 6
63+95		LT				1.0	0.8		1.0					10	10	6.1	8				CONSTRUCT SIDEWALK RAMP, TYPE 6
64+00		RT				1.4			0.7							4.4	12				CONSTRUCT SIDEWALK RAMP, TYPE 6
67+07		RT				2.9	2.3		2.9					29	29	16.7	12				CONSTRUCT SIDEWALK RAMP, TYPE 6
67+07		LT				1.3	1.1		1.3					12	12	7.9	8				CONSTRUCT SIDEWALK RAMP, TYPE 6
SHEET SUBTOTALS:			371.5	2	315	8	5.4	724	7.3	1	3	2	2	66	66	43.4	48	23	2	2	
ROUNDINGS:			3.5	-	-	1	0.6	6	0.7	-	-	-	-	4	4	1.6	2	-	-	-	
TOTALS:			375	2	315	9	6	730	8	1	3	2	2	70	70	45	50	23	2	2	

ITEM DETAIL SUMMARY SHEET

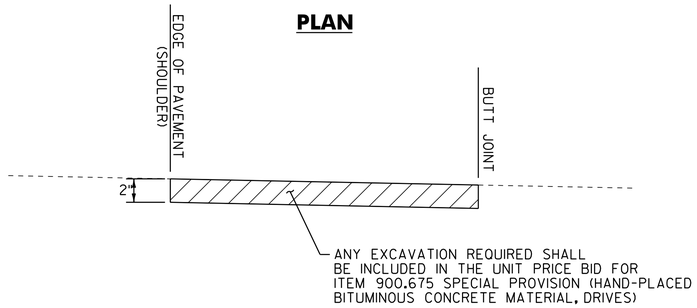
PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_10.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 10 OF 62

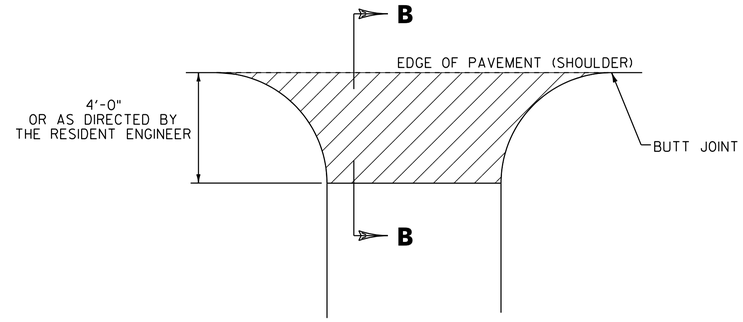


PLAN

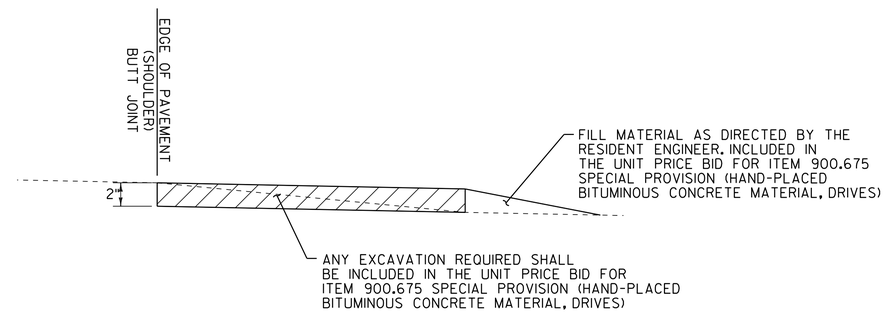


SECTION A–A

HANDWORK DETAILS FOR PAVED DRIVES



PLAN



SECTION B–B

HANDWORK DETAILS FOR GRAVEL DRIVES

STATION	POSITION	QUANTITY (SY)
2+65	RT	20
3+59	RT	35
3+85	LT	11
5+42	RT	13
5+71	LT	18
6+41	RT	8
12+26	LT	24
17+62	RT	12
18+13	LT	7
18+74	LT	9
25+44	LT	11
31+83	RT	8
32+99	RT	10
35+27	RT	21
39+08	RT	11
45+80	LT	23
52+01	LT	30
53+13	RT	26
53+99	RT	28
55+07	RT	13
56+90	RT	102
57+36	LT	28
58+15	RT	17
58+90	RT	52
SUBTOTAL		537

STATION	POSITION	QUANTITY (SY)
59+70	RT	21
60+28	RT	32
60+76	RT	12
61+74	RT	42
63+36	RT	20
63+70	RT	4
63+76	LT	12
65+00	LT	7
65+36	RT	36
65+70	LT	10
66+11	RT	15
66+24	LT	5
SUBTOTAL		216
COLUMN 1		537
COLUMN 2		216
SUBTOTAL		753
ROUNDING		7
TOTAL		760

NOTES:

1. PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 2".
2. THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
3. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND

ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

NOT TO SCALE

DRIVE DETAIL SHEET

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07D202_11.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 11 OF 62

646.20 4 INCH WHITE LINE
STA. 0+23.15 TO 3+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 0+45 TO 3+50, SOLID LT & RT

646.26 24 INCH STOP BAR
STA. 0+47 TO 0+76, LT

646.30 LETTER OR SYMBOL
STA. 0+67, LT - "STOP"

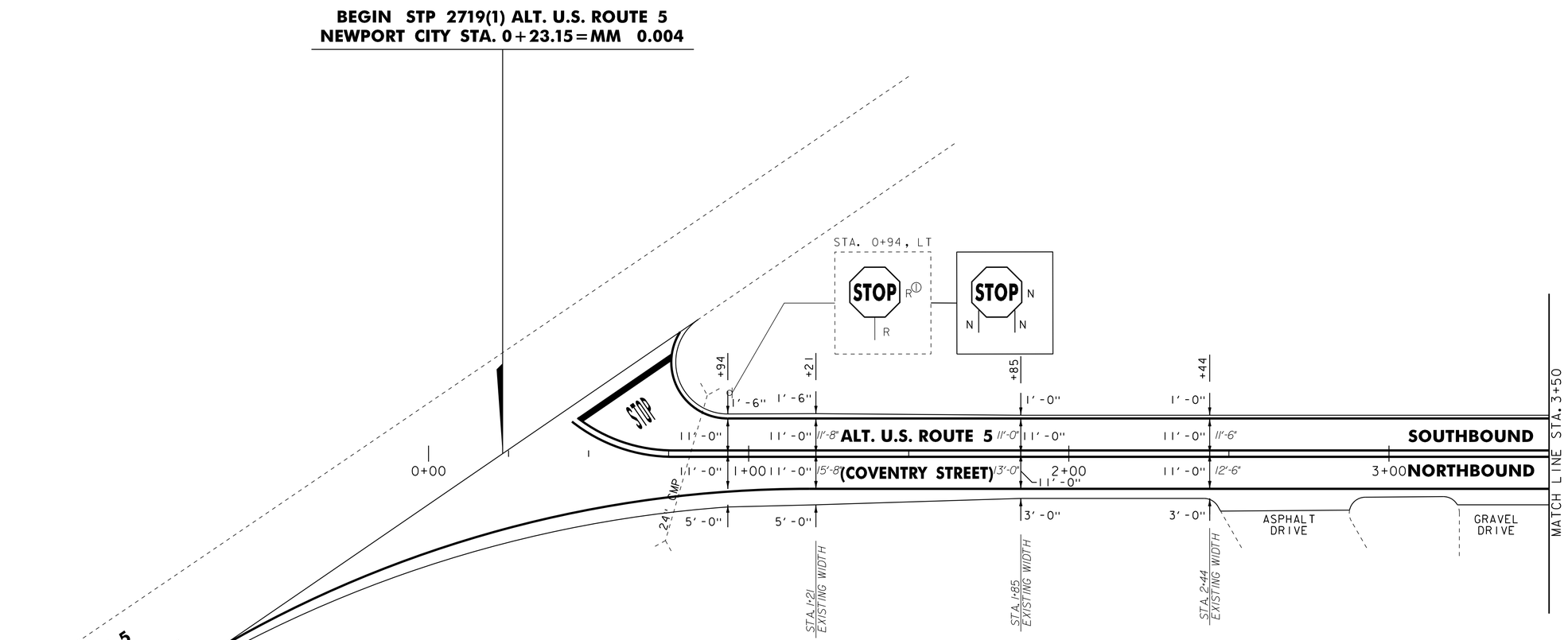
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 0+23.15 TO 3+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 0+45 TO 3+50, SOLID LT & RT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 0+47 TO 0+76, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 0+67, LT - "STOP"

675.50 REMOVING SIGNS
AS SHOWN - 1



UTILITY LEGEND

- = EXISTING HYDRANT
- = EXISTING DI
- = EXISTING MANHOLE
- TEL = EXISTING TELEPHONE MANHOLE
- ELEC = EXISTING ELECTRIC MANHOLE
- SMH = EXISTING SEWER MANHOLE
- WSO = EXISTING WATER SHUTOFF
- GSO = EXISTING GAS SHUTOFF
- = EXISTING MONITORING WELL
- = EXISTING MAILBOX
- = EXISTING POWER POLE
- = EXISTING TELEPHONE POLE
- = EXISTING UTILITY POLE
- = EXISTING SIGNAL HEAD
- CT = EXISTING CONTROLLER
- PB = EXISTING PULL BOX
- = EXISTING VIDEO VEHICLE DETECTORS
- = PROPOSED VIDEO VEHICLE DETECTORS
- = PROPOSED VIDEO DETECTION AREA
- = EXISTING GUARDRAIL
- = EXISTING RAILROAD
- = EXISTING FENCE
- = EXISTING STONE WALL

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK

① RETURN TO THE CITY OF NEWPORT

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #1

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)S

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_12.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 12 OF 62

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 6+15, ℄
STA. 9+46, RT

646.20 4 INCH WHITE LINE
STA. 3+50 TO 9+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 3+50 TO 9+50 SOLID LT & RT

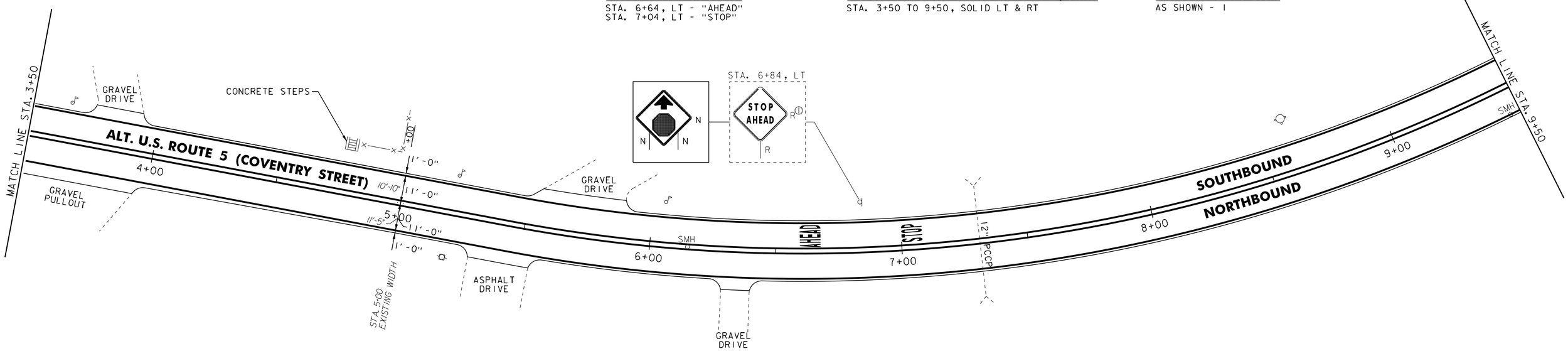
646.30 LETTER OR SYMBOL
STA. 6+64, LT - "AHEAD"
STA. 7+04, LT - "STOP"

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 6+64, LT - "AHEAD"
STA. 7+04, LT - "STOP"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 3+50 TO 9+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 3+50 TO 9+50 SOLID LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 1

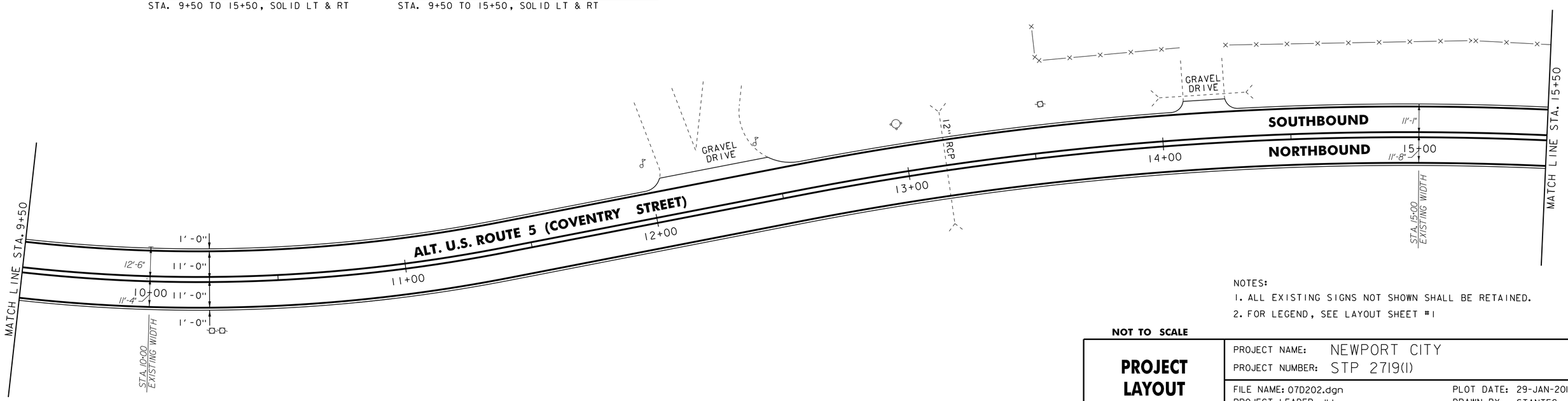


646.20 4 INCH WHITE LINE
STA. 9+50 TO 15+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 9+50 TO 15+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 9+50 TO 15+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 9+50 TO 15+50, SOLID LT & RT



NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_13.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 13 OF 62

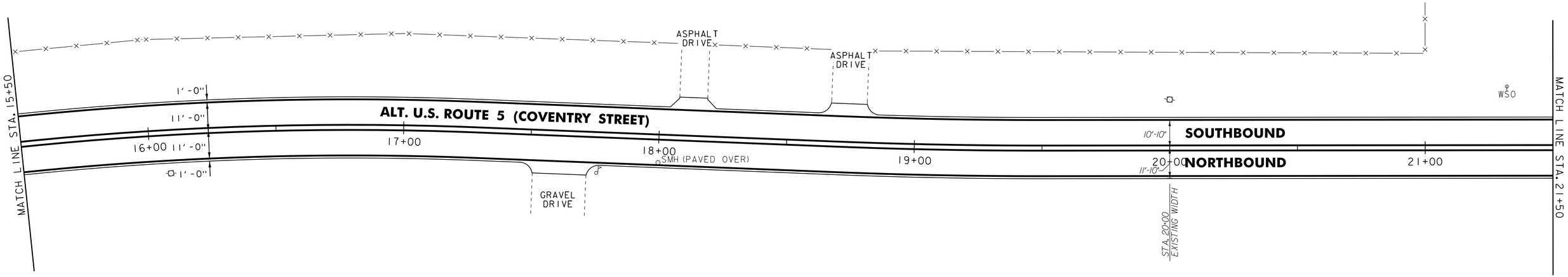
604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 18+00, RT

646.20 4 INCH WHITE LINE
STA. 15+50 TO 21+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 15+50 TO 21+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 15+50 TO 21+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 15+50 TO 21+50, SOLID LT & RT

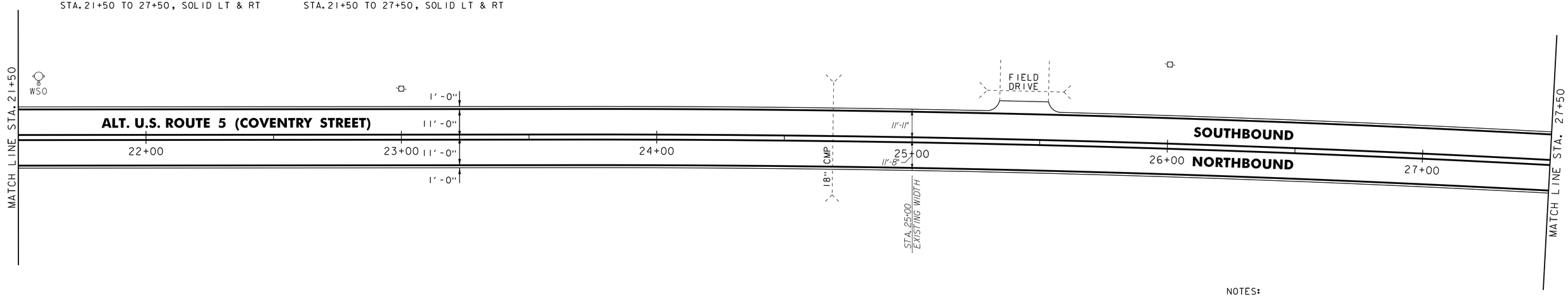


646.20 4 INCH WHITE LINE
STA. 21+50 TO 27+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 21+50 TO 27+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 21+50 TO 27+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 21+50 TO 27+50, SOLID LT & RT



NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

NOT TO SCALE

PROJECT LAYOUT SHEET #3

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_14.i

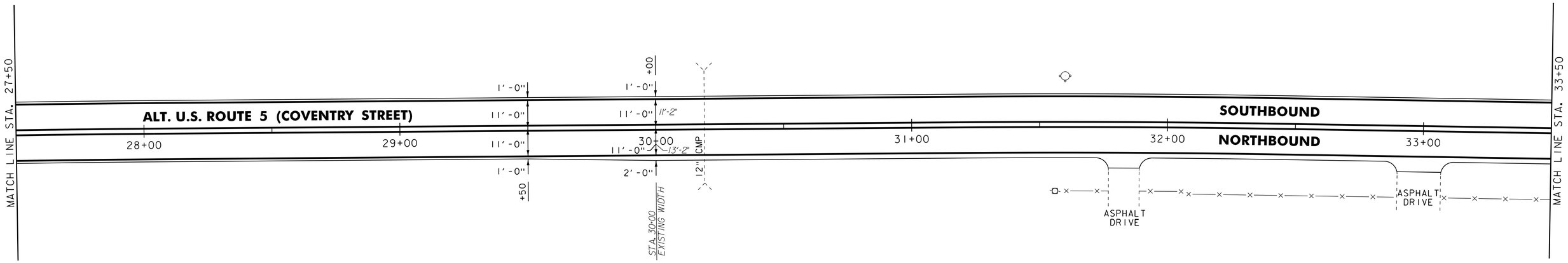
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 14 OF 62

646.20 4 INCH WHITE LINE
STA. 27+50 TO 33+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 27+50 TO 33+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 27+50 TO 33+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 27+50 TO 33+50, SOLID LT & RT

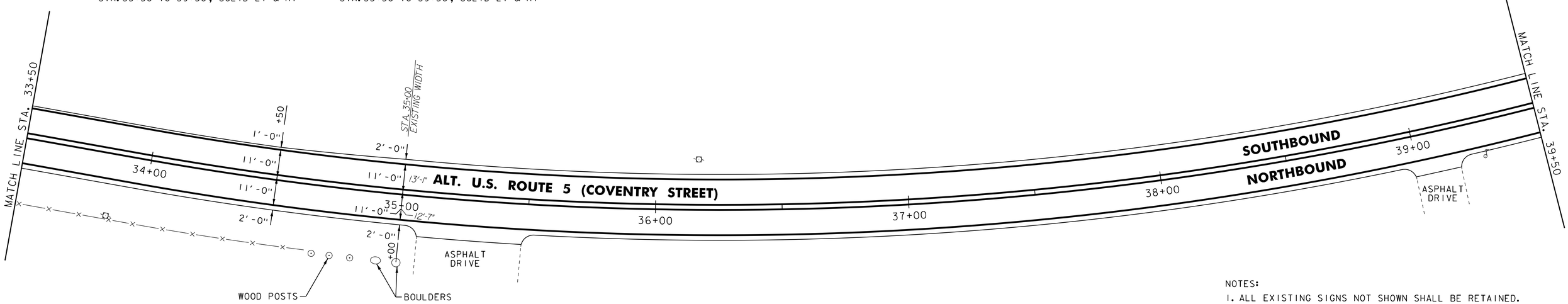


646.20 4 INCH WHITE LINE
STA. 33+50 TO 39+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 33+50 TO 39+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 33+50 TO 39+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 33+50 TO 39+50, SOLID LT & RT



NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_15.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 15 OF 62

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 41+10, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 41+~~83.5~~ 91.5 TO 43+~~58.5~~ 56.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 41+~~83.5~~ 91.5, RT

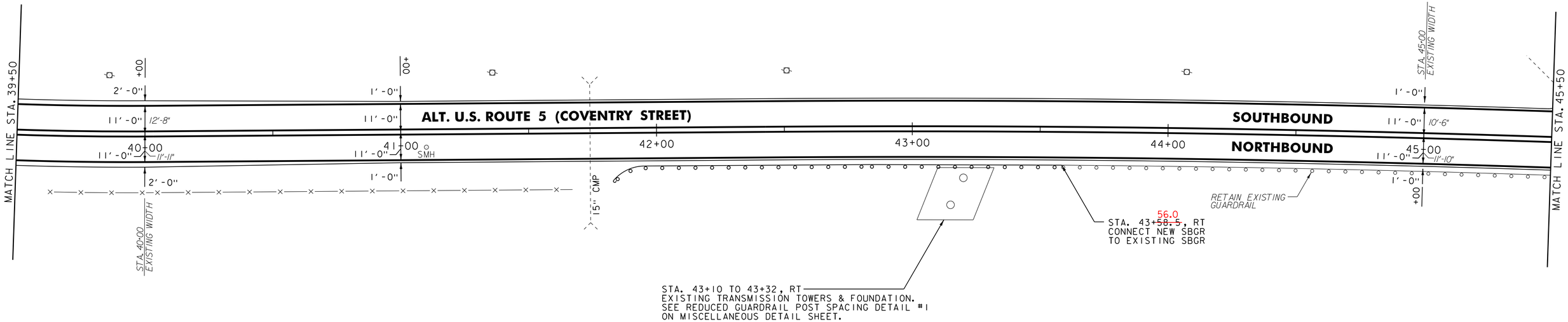
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 41+~~81~~ 93.5 TO 43+~~58.5~~ 56.0, RT

646.20 4 INCH WHITE LINE
STA. 39+50 TO 45+50, SOLID LT & RT

646.21 4 INCH YELLOW LINE
STA. 39+50 TO 45+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 39+50 TO 45+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 39+50 TO 45+50, SOLID LT & RT



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 47+06, RT
STA. 48+24, RT
STA. 51+33, RT
STA. 51+48, RT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 51+23, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 50+~~19.5~~ 15.0 TO 51+~~32~~ 40.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 50+~~19.5~~ 15.0 TO 51+~~32.0~~ 40.0, RT

646.20 4 INCH WHITE LINE
STA. 45+50 TO 51+50, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS FOR TOWN HIGHWAYS)

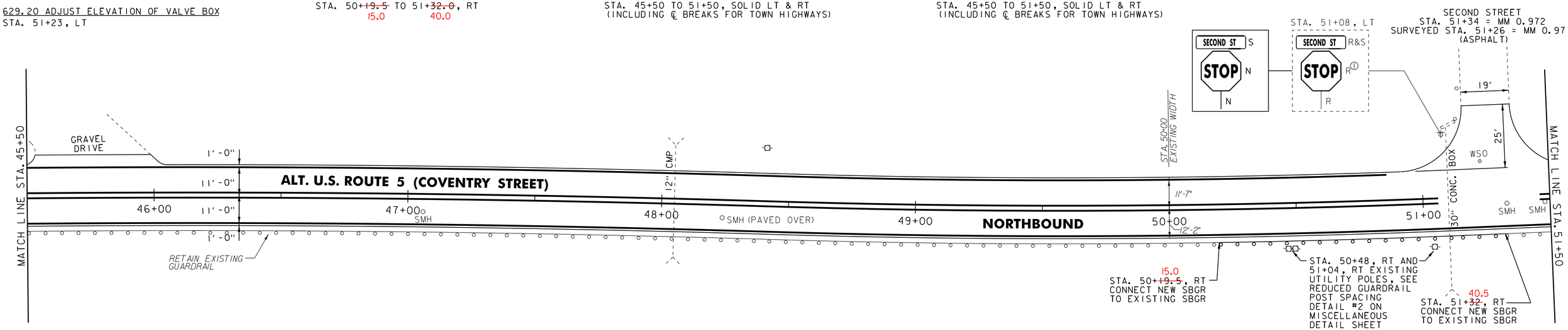
646.21 4 INCH YELLOW LINE
STA. 45+50 TO 51+50, SOLID LT & RT
(INCLUDING ℄ BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 45+50 TO 51+50, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 45+50 TO 51+50, SOLID LT & RT
(INCLUDING ℄ BREAKS FOR TOWN HIGHWAYS)

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



NOT TO SCALE

NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

PROJECT LAYOUT SHEET #5

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_16.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 16 OF 62

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 53+88, RT
STA. 55+94, RT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 56+31, RT
STA. 57+08, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 51~~+95~~ 90 TO 52~~+20~~ 17, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 52~~+20~~ 17, RT

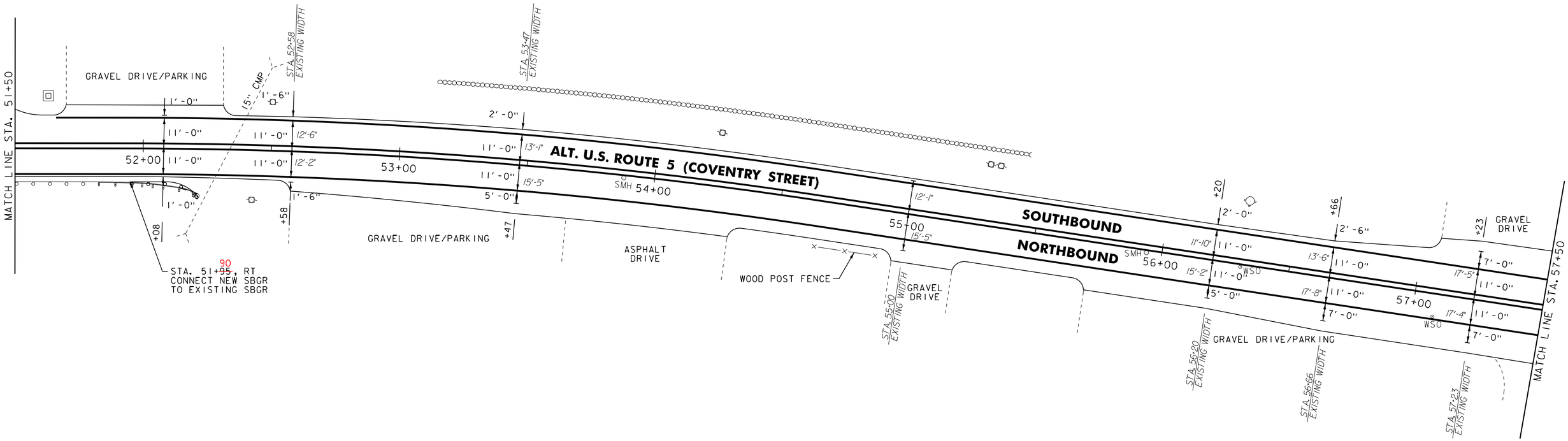
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 51~~+95~~ 90 TO 52~~+20~~ 15, RT

646.20 4 INCH WHITE LINE
STA. 51+50 TO 57+50, SOLID LT & RT
(INCLUDE EDGE LINE BREAKS FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 51+50 TO 57+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 51+50 TO 57+50, SOLID LT & RT
(INCLUDE EDGE LINE BREAKS FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 51+50 TO 57+50, SOLID LT & RT



NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

NOT TO SCALE

PROJECT LAYOUT SHEET #6

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_17.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 17 OF 62

604.412, 604.415 OR 604.418 REHAB, DIs, CBs OR MHs, CLASS I,II OR III
STA. 58+52, LT
STA. 58+69, RT
STA. 58+97, LT
STA. 59+11, LT
STA. 61+46, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 57+93, RT
STA. 59+09, RT
STA. 61+40, LT
STA. 61+56, RT
STA. 62+40, RT
STA. 63+02, LT

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 59+04, LT

616.41 REMOVAL OF EXISTING CURB
STA. 59+04, LT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 59+04, LT

618.30 DETECTABLE WARNING SURFACE
STA. 59+04, LT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 60+57, LT

646.20 4 INCH WHITE LINE
STA. 57+50 TO 63+50, SOLID LT & RT
(INCLUDE EDGE LINE BREAKS FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 57+50 TO 63+50, SOLID LT & RT
(INCLUDE ℄ BREAKS FOR TOWN HIGHWAYS)
STA. 59+06, DOUBLE SOLID LT (EASTERN AVE.)

646.26 24 INCH STOP BAR
STA. 59+06, LT (EASTERN AVE.)

646.30 LETTER OR SYMBOL
STA. 59+06, LT - "STOP" (EASTERN AVE.)

646.31 CROSSWALK MARKING
STA. 59+04, LT TO 59+15, RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 57+50 TO 63+50, SOLID LT & RT
(INCLUDE EDGE LINE BREAKS FOR TOWN HIGHWAYS)

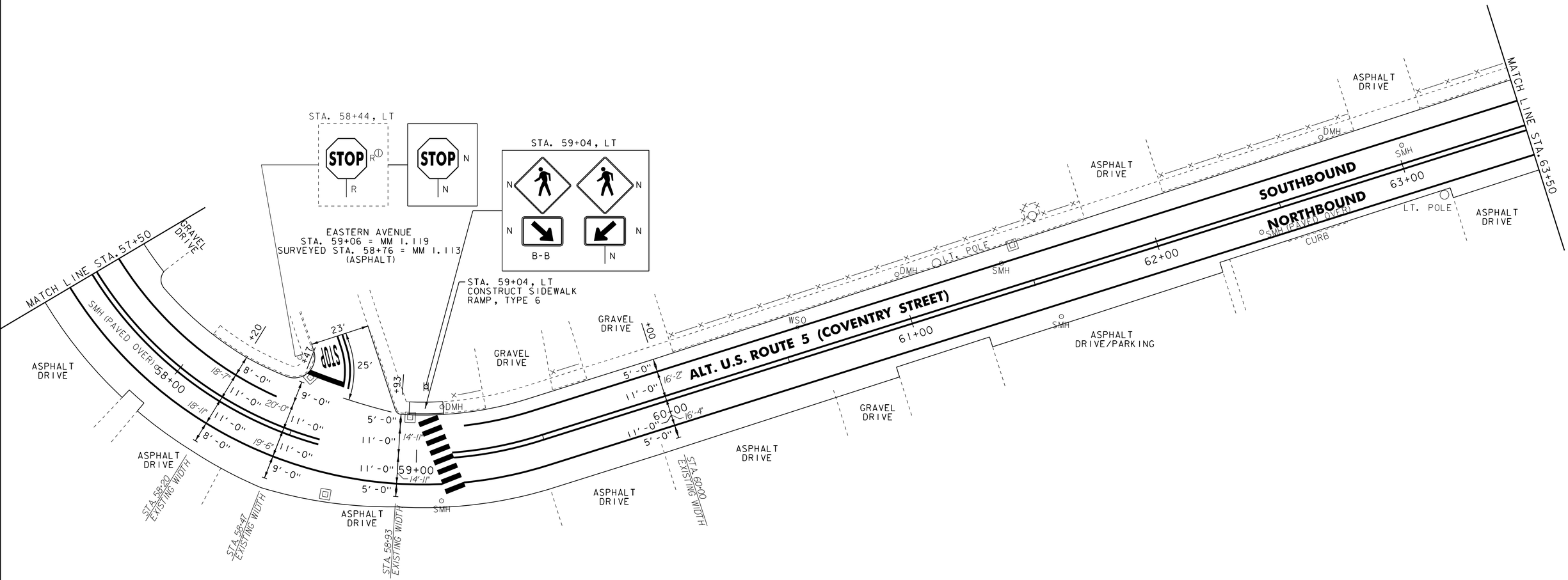
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 57+50 TO 63+50, SOLID LT & RT
(INCLUDE ℄ BREAKS FOR TOWN HIGHWAYS)
STA. 59+06, DOUBLE SOLID LT (EASTERN AVE.)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 59+06, LT (EASTERN AVE.)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 59+06, LT - "STOP" (EASTERN AVE.)

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 59+04, LT TO 59+15, RT

675.50 REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

NOT TO SCALE

PROJECT LAYOUT SHEET #7

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_18.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 18 OF 62

604.412, 604.415 OR 604.418 REHAB. Dis, CBs OR MHs, CLASS I, II OR III
STA. 64+75, LT
STA. 64+95, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 65+00, LT
STA. 65+00, RT
STA. 66+29, RT
STA. 66+96, LT

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 63+95, LT
STA. 67+07, LT
STA. 67+07, RT

616.41 REMOVAL OF EXISTING CURB
STA. 63+95, LT
STA. 67+07, LT
STA. 67+07, RT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 63+95, LT
STA. 64+00, RT
STA. 67+07, LT
STA. 67+07, RT

618.30 DETECTABLE WARNING SURFACE
STA. 63+95, LT
STA. 64+00, RT
STA. 67+07, LT
STA. 67+07, RT

646.20 4 INCH WHITE LINE
STA. 63+50 TO 67+18, SOLID RT
STA. 63+50 TO 67+23, SOLID LT
STA. 65+59 TO 66+32, DOTTED RT
STA. 66+32 TO 66+97, SOLID RT

646.21 4 INCH YELLOW LINE
STA. 63+50 TO 66+99, SOLID LT & RT

646.26 24 INCH STOP BAR
STA. 66+98, RT

646.30 LETTER OR SYMBOL
STA. 66+36, RT - ARROW
STA. 66+38.5, RT - ARROW (2)
STA. 66+89, RT - ARROW

646.31 CROSSWALK MARKING
STA. 63+91, LT TO 64+00, RT
STA. 67+07, LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 63+50 TO 67+18, SOLID RT
STA. 63+50 TO 67+23, SOLID LT
STA. 65+59 TO 66+32, DOTTED RT
STA. 66+32 TO 66+97, SOLID RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 63+50 TO 66+99, SOLID LT & RT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 66+98, RT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 66+36, RT - ARROW
STA. 66+38.5, RT - ARROW (2)
STA. 66+89, RT - ARROW

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 63+91, LT TO 64+00, RT
STA. 67+07, LT & RT

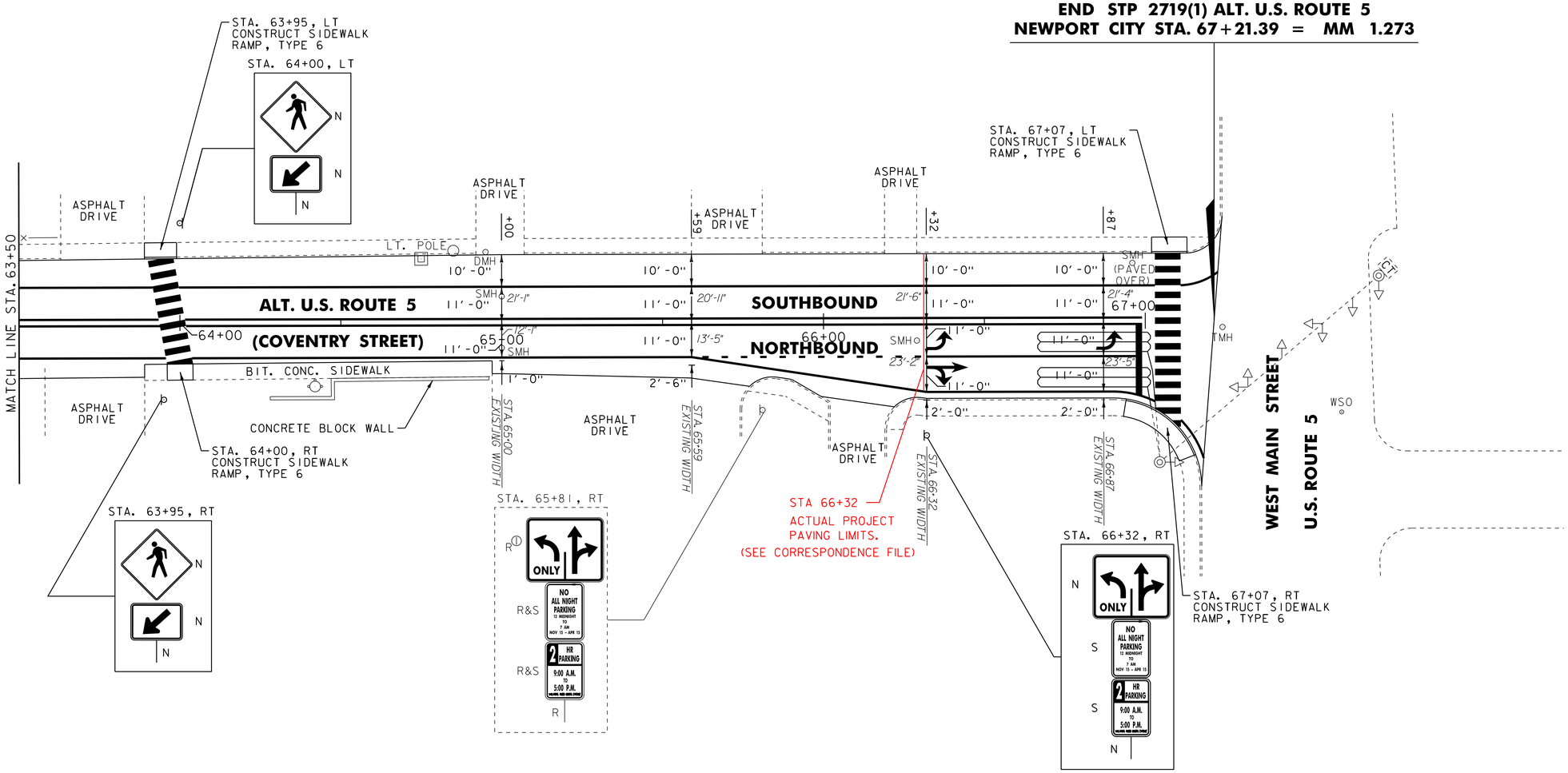
675.50 REMOVING SIGNS
AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2

~~678.22 VEHICLE LOOP DETECTOR~~
~~STA. 66+85, RT~~
~~(SEE VEHICLE DETECTOR LOOP SHEET FOR DETAILS, LOCATIONS AND CALCULATIONS)~~

THIS ITEM ELIMINATED BY THE CITY OF NEWPORT AS PER K. LOCKE. (SEE CORRESPONDENCE FILE)

END STP 2719(1) ALT. U.S. ROUTE 5
NEWPORT CITY STA. 67+21.39 = MM 1.273



NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. FOR LEGEND, SEE LAYOUT SHEET #1

NOT TO SCALE

PROJECT LAYOUT SHEET #8

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_19.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 19 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, 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 2.42	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	FOUND-ATION	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
ALT. U.S. ROUTE 5												OPTION ITEMS																							
0+94, LT	STOP	1	36	36	9.00						2					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
6+50, RT	SPEED LIMIT 35	1	24	30	5.00						1					X		X																	SEE FHWA SHS
6+84, LT		1	36	36	9.00						2					X		X															SIGN ID CODE W3-1A		SEE FHWA SHS
24+00, RT	SPEED LIMIT 35	1	24	30	5.00						1					X		X																	SEE FHWA SHS
51+08, LT	SECOND ST STOP	1 1	 30	 30	 6.25		1				1					X		X															INSTALL SALVAGED STREET SIGN 90 DEGREES TO AND 6" ABOVE STOP SIGN.		SEE FHWA SHS
29+65, LT	SPEED LIMIT 35	1	24	30	5.00						1					X		X																	SEE FHWA SHS
58+44, LT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
46+95, LT	SPEED LIMIT 35	1	24	30	5.00						1					X		X																	SEE FHWA SHS
59+04, LT	B-B	2 2	30 24	30 12	12.50 4.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
49+50, RT							2																										DAMAGED POST, EXISTING REGULATORY SIGNS SALVAGED TO NEW POST		
63+95, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
64+00, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
												FT	FT	FT	FT	FT 135	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF ~~63.5~~ 83.5	SF	EA. 1	SF				FT			FT ~~135~~ 195					LB			EA.	LB				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_20.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 20 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS 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 (2.42)	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)	FOUND-ATION	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
ALT. U.S. ROUTE 5												OPTION ITEMS																							
66+32, RT		1	36	30	7.50		1 1				1					X		X																	SIGN ID CODE VR-922		E-145A
	TSS SHEET 1 SUBTOTALS				~~63.5~~ 83.5		1									~~135~~ 195																			
	TSS SHEET 2 SUBTOTALS				7.5		2									15																			
	PROJECT SUBTOTALS				~~71.0~~ 91.0		3									~~150~~ 210																			
	ROUNDING				-		-									-																			
												FT	FT	FT	FT	FT 150	FT		EA	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 71	SF	EA. 3	SF				FT			FT 150					LB			EA.	LB				EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

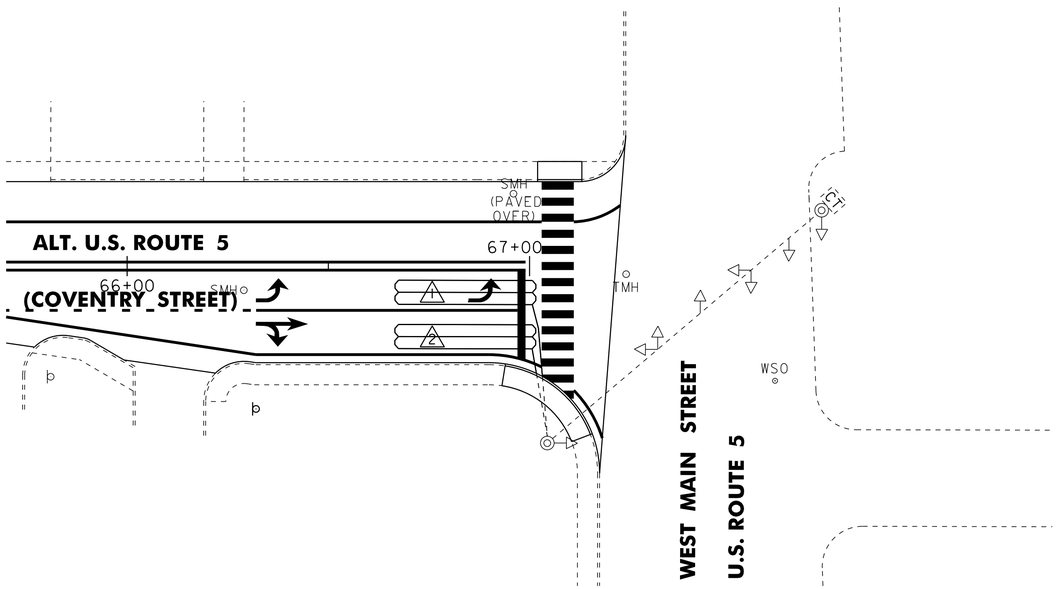
FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_21.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 21 OF 62

VEHICLE LOOP DETECTORS

LAYOUT SHEET	LOOP NO.	LANE	CALL Ø	SIZE (FT)	TYPE & NO. TURNS	DELAY OR PRESENCE	INDUCTANCE		RESISTANCE		LEAKAGE TO GROUND	LOCKING MEMORY
							CALC.	ACT.	CALC.	ACT.		
8	1	ALT. U.S ROUTE 5 LEFT ONLY		6' X 35'	QUAD - 2	PRESENCE	340		0.496			YES
8	2	ALT. U.S. ROUTE 5 RIGHT/THROUGH		6' X 35'	QUAD - 2	PRESENCE	338		0.460			NO

ALL CALCULATED VALUES ARE AT THE CONTROLLER.
MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.



ALT. U.S. ROUTE 5 – WEST MAIN STREET (U.S. ROUTE 5) INTERSECTION

NOTES:

PRIOR TO COLD PLANING, ANY VEHICLE LOOP DETECTORS SHALL BE DISCONNECTED IN THE CONTROLLER CABINET AND CUT AT THE CURB.

ONCE THE LOOP IS DISCONNECTED, THE SIGNAL PHASE THAT IT WAS CALLING SHALL BE PUT ON MAX RECALL OR THE SIGNAL PUT ON FLASH AND TRAFFIC CONTROLLED BY A UNIFORMED TRAFFIC OFFICER.

ALL BITUMINOUS AREAS TO RECEIVE NEW VEHICLE LOOP DETECTORS SHALL BE LEVELED WITH TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AS DIRECTED BY THE RESIDENT ENGINEER PRIOR TO THE INSTALLATION OF THE NEW LOOP DETECTORS.

AFTER THE NEW LOOPS ARE INSTALLED, THE INDUCTANCE RESISTANCE AND LEAKAGE TO GROUND SHALL BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES AND RECORDED ON THE PLANS. ALL LOAD TESTING SHALL BE PERFORMED AS PER VTRANS STANDARD E-172.

AFTER ACCEPTANCE OF THE LOOP INSTALLATION BY THE RESIDENT ENGINEER, RETURN THE SIGNAL TO NORMAL OPERATION. ALL WORK REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 678.22, VEHICLE LOOP DETECTOR.

LEGEND	
DESCRIPTION	
- - -	EXISTING CONDUIT
□	EXISTING JUNCTION BOX
CT	EXISTING CONTROLLER CABINET
◎	EXISTING STRAIN POLE
▭	VEHICLE LOOP DETECTOR
◁—	EXISTING SIGNAL
PB	EXISTING PULL BOX
△1	LOOP NO.

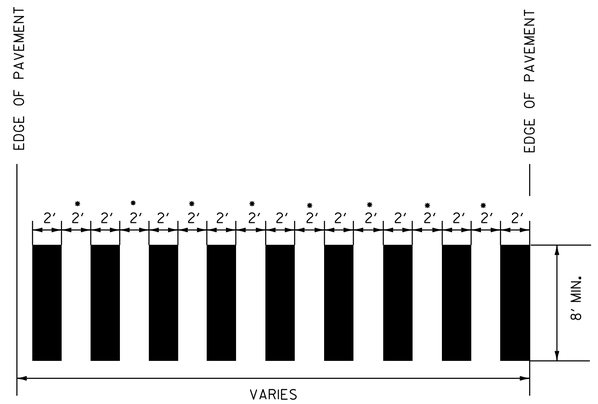
NOT TO SCALE

VEHICLE LOOP DETECTOR DETAIL SHEET

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_22.i

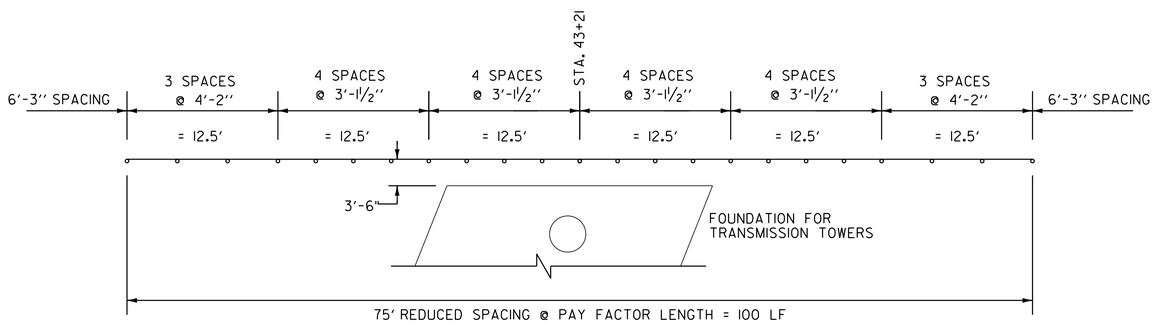
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 22 OF 62



• ADJUST SPACING (12''-24'') TO AVOID WHEEL PATHS

BLOCK PATTERN CROSSWALK DETAIL

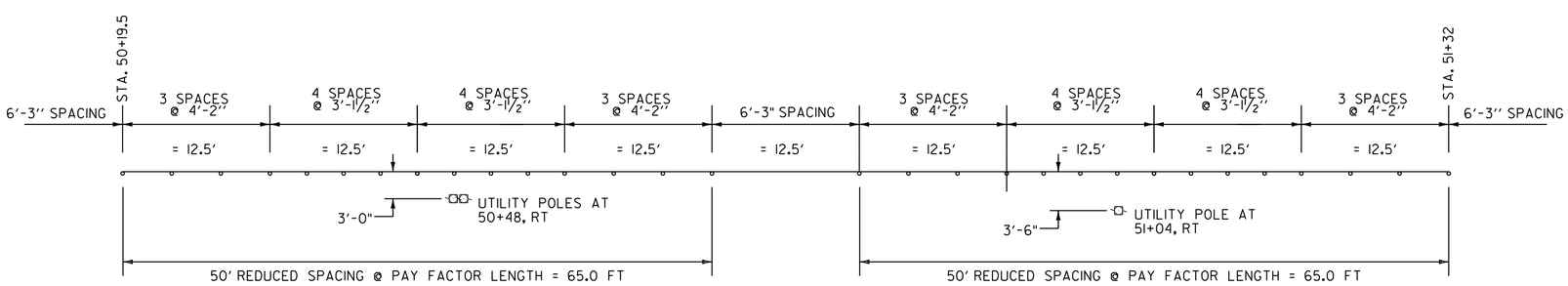
SEE LAYOUT SHEETS FOR LOCATIONS.
ALL BLOCK PATTERN CROSS WALKS SHALL BE
INSTALLED PARALLEL WITH WHEEL PATHS.



REDUCED GUARDRAIL POST SPACING DETAIL #1

TRANSMISSION TOWER FOUNDATION
(N.T.S.)

STA. 43+10 - 43+32, RT



REDUCED GUARDRAIL POST SPACING DETAIL #2

UTILITY POLES
(N.T.S.)

STA. 50+48, RT - (2) UTILITY POLES
STA. 51+04, RT - UTILITY POLE

REHAB. DI'S, CB'S or MH'S, CLASS I, II, OR III

(ITEM 604.412, 604.415, OR 604.418)

ALT. U.S. ROUTE 5

STATION	POSITION	DESCRIPTION
58+52	LT	DI
58+69	RT	DI
58+97	LT	DI
59+11	LT	DMH
61+46	LT	DI
64+75	LT	DI
64+95	LT	DMH

CHANGING ELEVATION OF SEWER MANHOLES

(ITEM 604.42)

ALT. U.S. ROUTE 5

STATION	POSITION	DESCRIPTION
6+15	C/L	SMH
9+46	RT	SMH
18+00	RT	SMH
41+10	RT	SMH
47+06	RT	SMH
48+24	RT	SMH
51+33	RT	SMH
51+48	RT	SMH
53+88	RT	SMH
55+94	RT	SMH
57+93	RT	SMH
59+09	RT	SMH
61+40	LT	SMH
61+56	RT	SMH
62+40	RT	SMH
63+02	LT	SMH
65+00	LT	SMH
65+00	RT	SMH
66+29	RT	SMH
66+96	LT	SMH

ADJUST ELEVATION OF VALVE BOX

(ITEM 629.20)

ALT. U.S. ROUTE 5

STATION	POSITION	DESCRIPTION
51+23	LT	WSO
56+31	RT	WSO
57+08	RT	WSO
60+57	LT	WSO

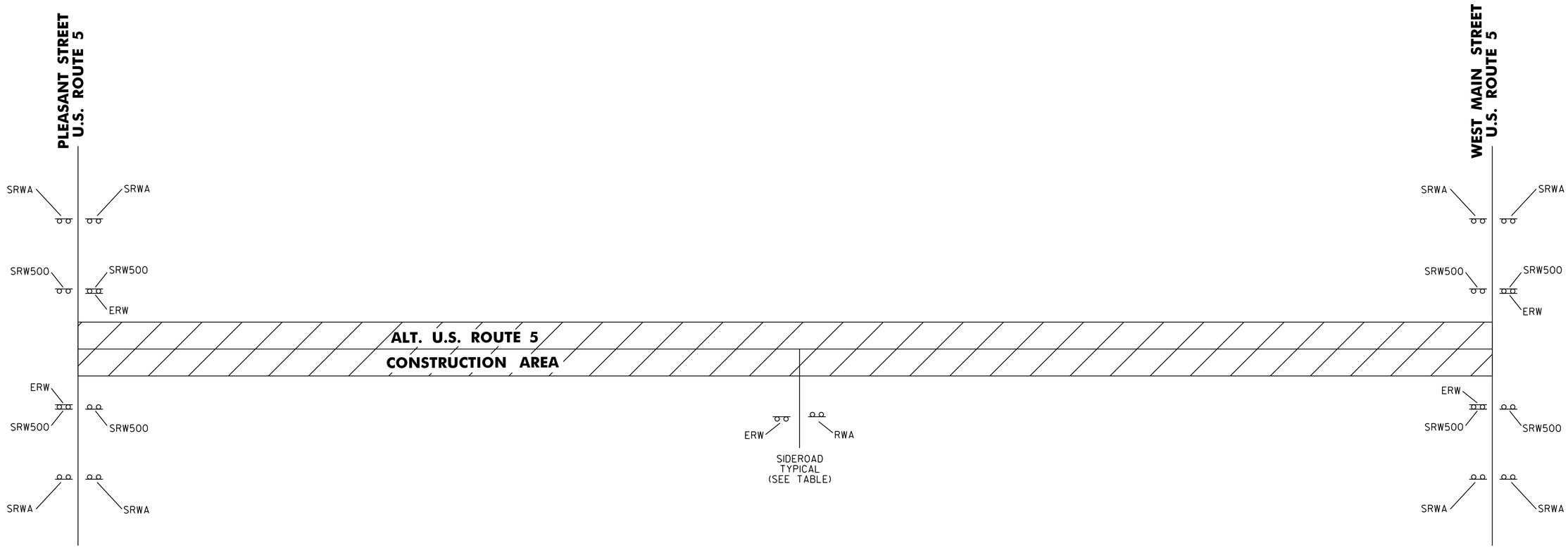
NOT TO SCALE

MISCELLANEOUS DETAIL SHEET

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07D202_23.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 23 OF 62



SEE VAOT STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.

LOCATION	ERW	RWA	SRWA	SRW500
NEWPORT CITY				
ALT. U.S. ROUTE 5 - BEGIN PROJECT				
U.S. ROUTE 5 - EASTBOUND (BEGIN PROJECT)	1		2	2
U.S. ROUTE 5 - WESTBOUND (BEGIN PROJECT)	1		2	2
SECOND ST.	1	1		
EASTERN AVE.	1	1		
MAIN ST. - EASTBOUND	1		2	2
MAIN ST. - WESTBOUND	1		2	2
ALT. U.S. ROUTE 5 - END PROJECT				
TOTALS	**6**	**2**	**8**	**8**

LEGEND

ERW = END ROAD WORK
RWA = ROAD WORK AHEAD
SRWA = SIDE ROAD WORK AHEAD
SRW500 = SIDE ROAD WORK 500 FT

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 BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
2. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED.
3. THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKING SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC 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.
4. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.
5. ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
6. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
7. ADA ACCESSIBLE PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED AT ALL TIMES, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
8. SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
9. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
10. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
11. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
12. RETROREFLECTIVE SHEETING SHALL BE TYPE III OR VIII AS NOTED ON VAOT STANDARD E-100 AND IN THE SPECIAL PROVISIONS.
13. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.
14. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS IS ABOVE THE TOP OF GUARDRAIL.
15. AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
16. CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.

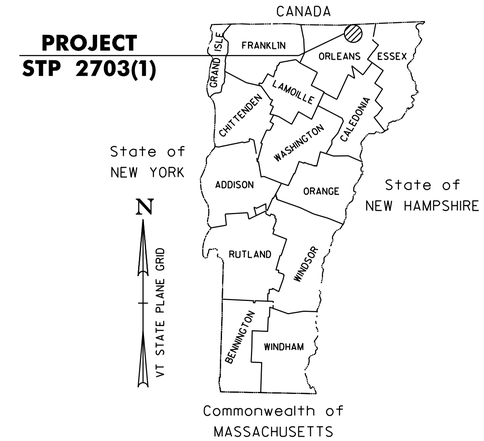
TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2719(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07D202_24.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 24 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
VILLAGE OF DERBY
CLASS I TOWN HIGHWAY
COUNTY OF ORLEANS
U.S. ROUTE 5 & ALT. U.S. ROUTE 5

BEGINNING IN THE VILLAGE OF DERBY ON U.S. ROUTE 5 AT STA. 270+23.04 (MM 5.118) AND EXTENDING NORTHERLY ALONG U.S. ROUTE 5 FOR A DISTANCE OF 4308.48 FEET (0.816 MILE) TO THE U.S./CANADIAN BORDER AT STA. 313+31.52 (MM 5.934). ALSO BEGINNING IN THE VILLAGE OF DERBY ON ALT. U.S. ROUTE 5 AT STA. 0+00.00 (MM 0.000) AT THE INTERSECTION OF U.S. ROUTE 5 AND EXTENDING EASTERLY ALONG ALT. U.S. ROUTE 5 FOR A DISTANCE OF 3189.12 FEET (0.604 MILE) TO THE DERBY TOWN LINE AT STA. 31+89.12 (MM 0.604). A 481.52 FOOT (0.091 MILE) APPROACH WILL END AT DERBY TOWN STA. 4+81.52 (MM 0.091)

PROJECT DATA:	LENGTH (FEET)		LENGTH (MILES)
VILLAGE OF DERBY			
U.S. ROUTE 5			
STA. 270+23.04 TO 313+31.52	4308.48		
MM 5.118 TO 5.934			0.816
ALT. U.S. ROUTE 5			
STA. 0+00.00 TO 31+89.12	3189.12		
MM 0.000 TO 0.604			0.604
TOTAL LENGTH OF PROJECT:	7497.60	=	1.420
TOTAL LENGTH OF ROADWAY:	7979.12	=	1.511

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE AND A WEARING COURSE, NEW PAVEMENT MARKINGS, GUARD RAIL, SIGNS AND OTHER INCIDENTAL ITEMS

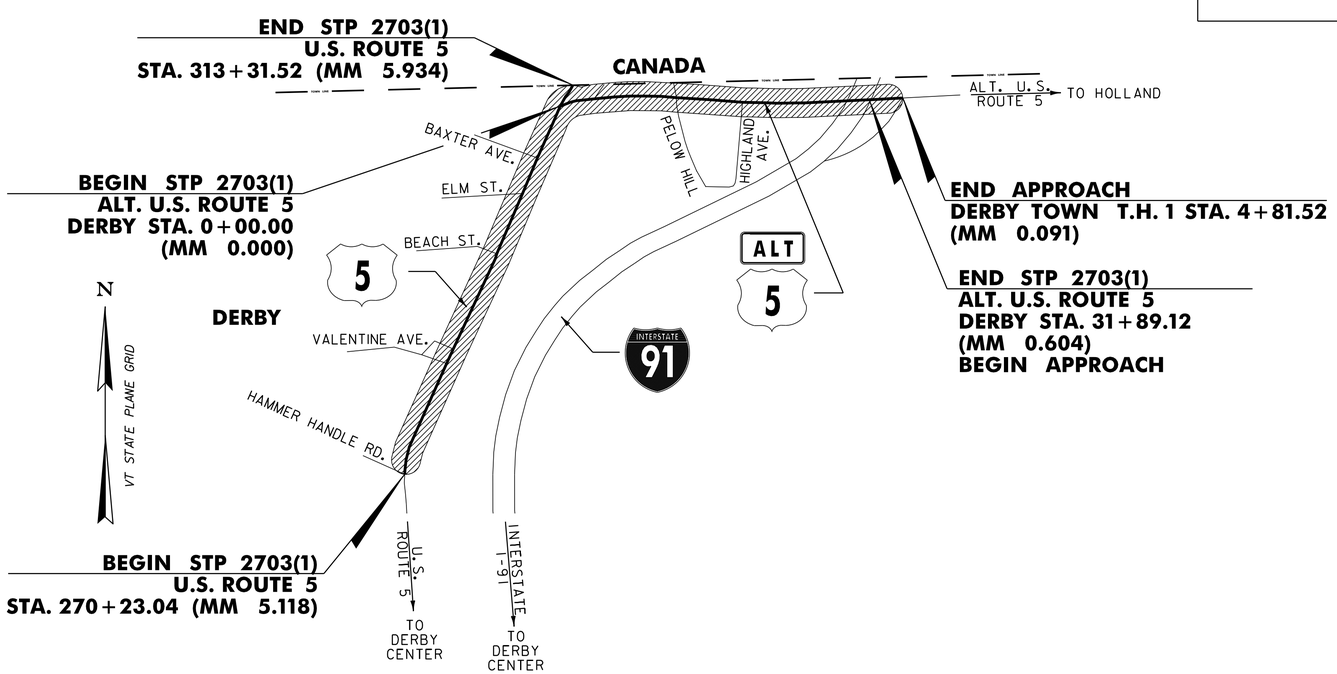
SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	1,092,500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 GENERAL SPECIAL PROVISIONS

TRAFFIC DATA

U.S. ROUTE 5 & ALT. U.S. ROUTE 5

LOCATION	AADT		DHV		ESALS	
	2010	2020	2010	2020	2010-2020	2010-2030
US 5 FROM THE START OF THE PROJECT TO VALENTINE AVE.	2600	2800	290	320	867,000	1,935,000
US 5 FROM VALENTINE AVE. TO ELM STREET	2500	2600	280	290	881,000	2,137,000
US 5 FROM ELM STREET TO THE CANADIAN BORDER	2900	3100	330	350	887,000	2,185,000
ALT. US 5 FROM US 5 TO I-91 EXIT 29 RAMP B	2200	2300	250	260	517,000	1,279,000
ALT. US 5 FROM I-91 EXIT 29 RAMP B TO END OF PROJECT	2100	2200	240	250	495,000	1,225,000



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

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.

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

CONVENTIONAL SYMBOLS

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

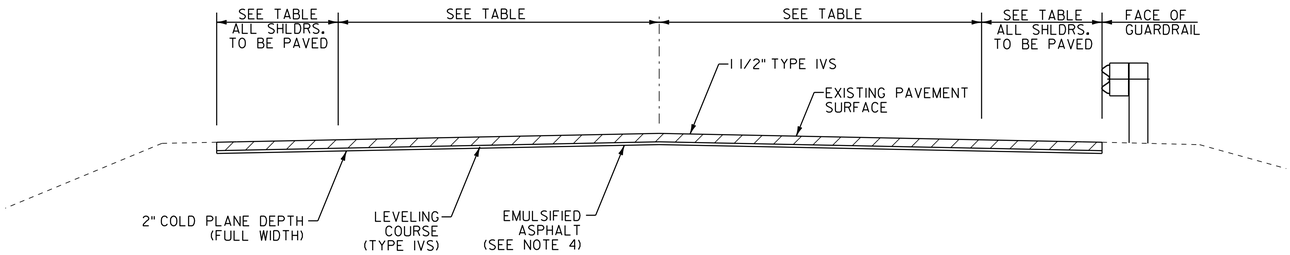
SURVEYED BY : N/A
SURVEYED DATE : N/A

DATUM
VERTICAL N/A
HORIZONTAL N/A

PROJECT MANAGER : KEVIN MARSHIA

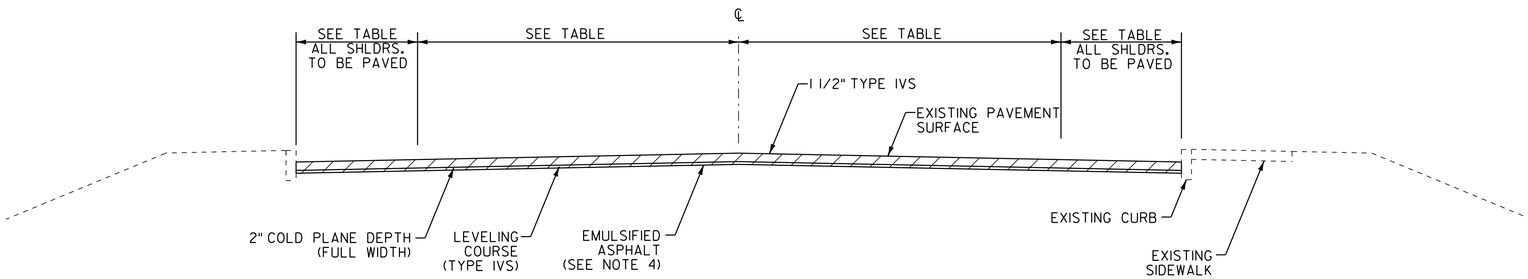
PROJECT NAME : DERBY
PROJECT NUMBER : STP 2703(1)

SHEET 25 OF 62 SHEETS



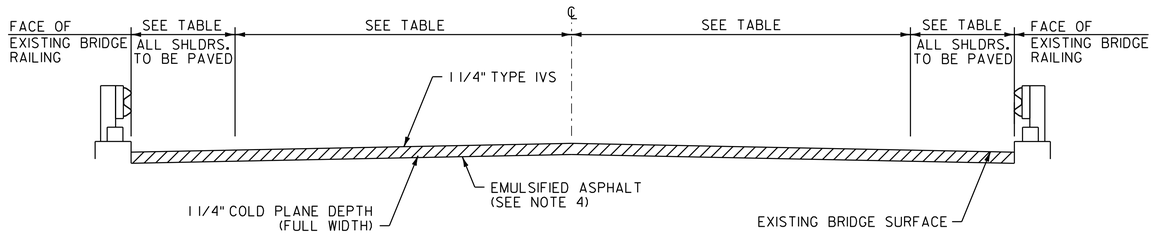
COLD PLANE TYPICAL SECTION – UNCURBED

U.S. ROUTE 5 DERBY STA. 270+23.04 TO 305+97.00
ALT. U.S. ROUTE 5 DERBY STA. 0+00.00 TO 0+73.52
ALT. U.S. ROUTE 5 DERBY STA. 2+49.18 TO 3+50.70
ALT. U.S. ROUTE 5 DERBY STA. 6+45.95 TO 29+39.45
APPROACH - DERBY STA. 0+28.00 TO 4+81.52



COLD PLANE TYPICAL SECTION – CURBED

U.S. ROUTE 5 DERBY STA. 305+97.00 TO 313+31.52
ALT. U.S. ROUTE 5 DERBY STA. 0+73.52 TO 2+49.18
ALT. U.S. ROUTE 5 DERBY STA. 3+50.70 TO 6+45.95



COLD PLANE TYPICAL SECTION – BRIDGE

BR#114 ALT. U.S. ROUTE 5 DERBY STA. 29+39.45 TO DERBY TOWN STA. 0+28.00

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
DERBY U.S. ROUTE 5	270+23.04	313+31.52	VARIES - SEE LAYOUT SHEETS	1-1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
DERBY ALT. U.S. ROUTE 5	0+00.00	29+39.45	VARIES - SEE LAYOUT SHEETS	1-1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.
DERBY ALT. U.S. ROUTE 5	29+39.45	0+28.00	4'-0" - 11'-0" - 11'-0" - 4'-0"	1-1/4"	-	BR 114 - COLD PLANE 1 1/4" AND PAVE WITH 1 1/4" TYPE IVS.
DERBY TOWN (APPROACH)	0+28.00	4+81.52	VARIES - SEE LAYOUT SHEETS	1-1/2"	1/2"	COLD PLANE 2", LEVEL AND THEN PAVE WITH 1 1/2" TYPE IVS.

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2 " LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
2. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
4. EMULSIFIED ASPHALT 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.
5. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON NEXT SHEET.
6. IF THE BRIDGE MEMBRANE IS DAMAGED AT ANY TIME DURING THE COLD PLANING OR PAVING OPERATIONS, IT SHALL BE REPAIRED, AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE RESIDENT ENGINEER.
7. ALL PUBLIC, PRIVATE OR FIELD DRIVES SHALL RECEIVE A MINIMUM 4' PAVED APRON PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
8. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES FROM THE AGENCY'S APPROVED PRODUCT LIST.
9. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
10. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II, ITEM 604.418 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES CALLING FOR REHAB HAVE BEEN EVENLY DISTRIBUTED BETWEEN ITEMS 604.412, 604.415, AND 604.418 FOR ESTIMATING PURPOSES.
11. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.

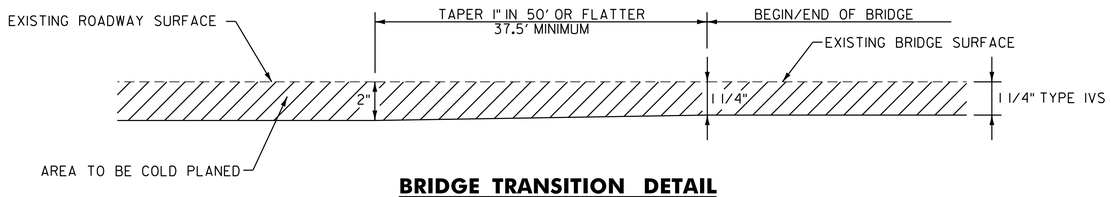
NOT TO SCALE

PROJECT TYPICAL SHEET #1

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

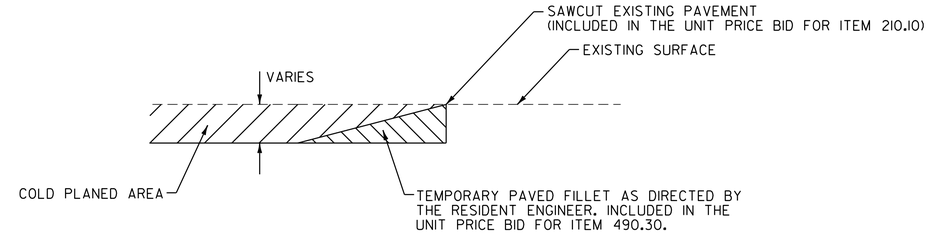
FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_26.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 26 OF 62



BRIDGE TRANSITION DETAIL

BR#114 DERBY STA. 29+01.95 TO 29+39.45
BR#114 DERBY TOWN STA. 0+28.00 TO 0+65.50



DETAIL AT VERTICAL COLD PLANE JOINTS

NOTE: THIS DETAIL SHALL BE USED AT THE LOCATIONS LISTED BELOW AND AT ALL DRIVES AS DIRECTED BY THE RESIDENT ENGINEER.

FULL ROADWAY WIDTH

U.S. ROUTE 5 STA. 270+23.04 (BEGIN PROJECT)
U.S. ROUTE 5 STA. 282+14, LT (VALENTINE AVE.)
U.S. ROUTE 5 STA. 284+01, LT (LAYTHE ST.)
U.S. ROUTE 5 STA. 295+05, RT (LOUIS ST.)
U.S. ROUTE 5 STA. 295+34, LT (BEACH ST.)
U.S. ROUTE 5 STA. 301+89, LT (ELM ST.)
U.S. ROUTE 5 STA. 305+30, LT (BAXTER AVE.)
U.S. ROUTE 5 STA. 313+31.52 (U.S. ROUTE 5 - END PROJECT)
ALT. U.S. ROUTE 5 STA. 0+63, RT (DUCHARME DR.)
ALT. U.S. ROUTE 5 STA. 2+79, RT (DUCHARME DR.)
ALT. U.S. ROUTE 5 STA. 4+17, LT (CHURCH ST.)
ALT. U.S. ROUTE 5 STA. 12+00, LT (LEE ST.)
ALT. U.S. ROUTE 5 STA. 12+00, RT (PELOW HILL)
ALT. U.S. ROUTE 5 STA. 18+93, RT (HIGHLAND AVE.)
ALT. U.S. ROUTE 5 STA. 23+88, RT (MAPLE ST.)
ALT. U.S. ROUTE 5 STA. 23+94, LT (PHELPS ST.)
ALT. U.S. ROUTE 5 STA. 24+88, RT (INTERSTATE 91 SB ON/OFF RAMP B)
DERBY TOWN T.H. 1 STA. 2+81, RT (INTERSTATE 91 NB ON/OFF RAMP A)
DERBY TOWN T.H. 1 STA. 4+41, RT (HERRICK RD.)
DERBY TOWN T.H. 1 STA. 4+81.52 (END APPROACH)

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREEPING RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

NOTES

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

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18: 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 ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

GRADES LESS THAN 1 PERCENT SHALL USE ITEM 651.15, SEED AND ITEM 651.25, HAY MULCH. GRADES BETWEEN 1 AND 2.5 PERCENT SHALL USE ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES OVER 2.5 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE 1 AS DIRECTED BY THE RESIDENT ENGINEER.

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

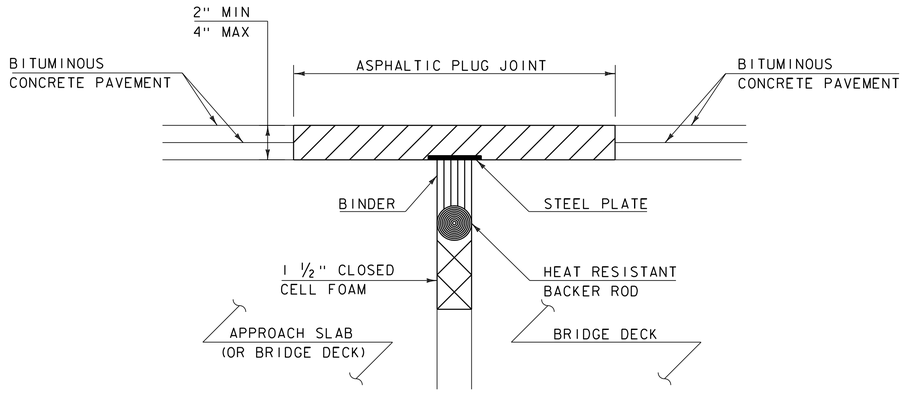
NOT TO SCALE

PROJECT TYPICAL SHEET #2

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_27.i

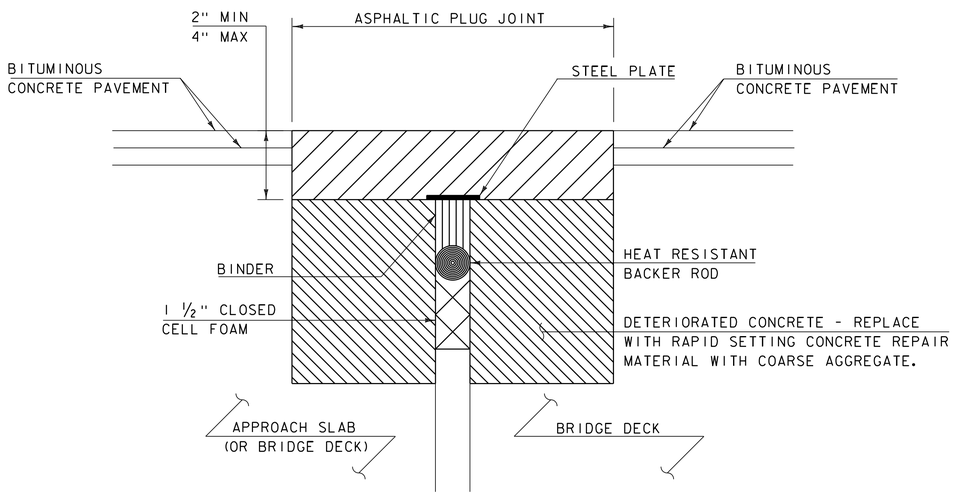
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 27 OF 62



ASPHALTIC PLUG-TYPE JOINT DETAIL

(NOT TO SCALE)

BR 114 DERBY ALT U.S. ROUTE 5 STA. 29+39.45 (34LF)
BR 114 DERBY TOWN T.H. 1 STA. 0+28.00 (34LF)



ASPHALTIC PLUG-TYPE JOINT DETAIL
REMOVAL OF > 2" DETERIORATED CONCRETE

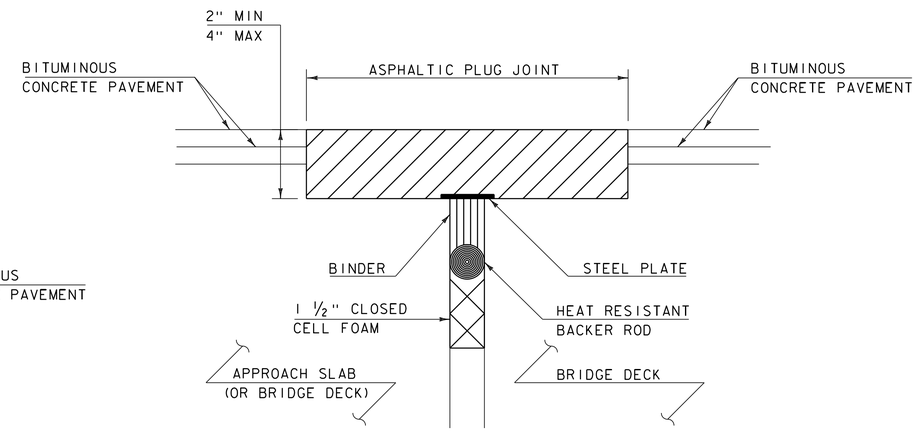
(NOT TO SCALE)

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 FORMED TO EXISTING ELEVATION.

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. REINFORCING STEEL NOT SHOWN FOR CLARITY.



ASPHALTIC PLUG-TYPE JOINT DETAIL
REMOVAL OF < 2" DETERIORATED CONCRETE

(NOT TO SCALE)

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 TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.

ASPHALTIC PLUG JOINT NOTES

1. INSTALLATION

A. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.

B. REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.

C. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.

D. REPAIR SPALLED AND DEFECTIVE CONCRETE WITH AN APPROVED MATERIAL AS AGREED UPON BY THE ENGINEER.

E. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.

F. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.

G. PLACE ¼" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.

H. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.

I. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

J. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.

K. ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAY BE USED TO EXPEDITE THE COOLING PROCESS.

L. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

2. WEATHER LIMITATIONS. (APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER):

A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.

B. THE ROAD SURFACE IS DRY.

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

NOT TO SCALE

ASPHALTIC PLUG JOINT DETAILS SHEET	PROJECT NAME: DERBY	
	PROJECT NUMBER: STP 2703(1)	
	FILE NAME: 07D202.dgn	PLOT DATE: 29-JAN-2013 09:2
	PROJECT LEADER: JLL	DRAWN BY: STANTEC
	DESIGNED BY: STANTEC	CHECKED BY: JLL
	IPARM FILE: 07C194_28.i	SHEET 28 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES							TOTALS		DESCRIPTIONS		
			ROADWAY	BRIDGE	EROSION CONTROL	FULL C.E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
			38				38	CY	COMMON EXCAVATION	203.15	0.9
			17				17	CY	SOLID ROCK EXCAVATION	203.16	1.2
			1				1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
			31400				31400	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	77
			30				30	CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	0.4
			43				43	TON	AGGREGATE SHOULDERS, RAP	402.13	1
			132				132	CWT	EMULSIFIED ASPHALT	404.65	1.2
			1				1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
			3950				3950	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	182
			1				1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	EST.
				70			70	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	2
				100			100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
			1				1	EA	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.
			11				11	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	EST.
			11				11	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	EST.
			11				11	EA	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS III	604.418	EST.
			26				26	EA	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
			80				80	HR	POWER GRADER RENTAL	608.15	EST.
			80				80	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
			25				25	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
			40				40	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
			40				40	HR	TRUCK RENTAL	608.37	EST.
			40				40	HR	LOADER RENTAL, TYPE I	608.40	EST.
			45				45	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	3
			45				45	LF	REMOVAL OF EXISTING CURB	616.41	3
			4.5				4.5	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	0.4
			180				180	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	3.8
			300				300	SF	DETECTABLE WARNING SURFACE	618.30	8
			18				18	EA	YIELDING MARKER POSTS	619.17	-
			280				280	LF	SNOW BARRIER, GALVANIZED	620.75	6
			1000				1000	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	17
			4				4	EA	ANCHOR FOR STEEL BEAM RAIL	621.60	-
			100				100	LF	ALUMINUM APPROACH RAILING	621.74	-
			1073				1073	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-
			14				14	EA	ADJUST ELEVATION OF VALVE BOX	629.20	-
			1340				1340	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
			4020				4020	HR	FLAGGERS	630.15	EST.

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
15808	SY	U.S. ROUTE 5
9000	SY	ALT. U.S. ROUTE 5
1898	SY	APPROACH
928	SY	BRIDGE
3690	SY	SIDE ROADS
76	SY	ROUNDING
31400	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
1502	TON	U.S. ROUTE 5 WEARING COURSE (TYPE IVS)
785	TON	ALT. U.S. ROUTE 5 WEARING COURSE (TYPE IVS)
165	TON	APPROACH WEARING COURSE (TYPE IVS)
68	TON	BRIDGE WEARING COURSE (TYPE IVS)
323	TON	SIDE ROADS WEARING COURSE (TYPE IVS)
926	TON	LEVELING (TYPE IVS)
181	TON	ROUNDING
3950	TON	TOTAL

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07C194_29.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 29 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS		
		ROADWAY	BRIDGE	EROSION CONTROL	FULL C.E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
					0.5	0.5	LS	FIELD OFFICE, ENGINEERS	631.10	-
					0.5	0.5	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
					0.5	0.5	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
					0.5	0.5	LU	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.25	-
		0.5				0.5	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
		1				1	LS	TRAFFIC CONTROL (STP 2703(1))	641.10	-
		0.5				0.5	LS	PUBLIC RELATIONS OFFICER	641.12	-
		2				2	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
		16900				16900	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	112
		15300				15300	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	70
		240				240	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	5
		115				115	EA	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
		1040				1040	LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	8
		33800				33800	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	224
		30700				30700	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	240
		480				480	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	10
		230				230	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
		2070				2070	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	6
		940				940	EA	LINE STRIPING TARGETS	646.76	5
				40		40	LB	SEED	651.15	EST.
				250		250	LB	FERTILIZER	651.18	EST.
				1		1	TON	AGRICULTURAL LIMESTONE	651.20	EST.
				1		1	TON	HAY MULCH	651.25	EST.
				25		25	CY	TOPSOIL	651.35	EST.
				200		200	SY	TEMPORARY EROSION MATTING	653.20	EST.
		245				245	SF	TRAFFIC SIGNS, TYPE A	675.20	5.47
		485				485	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	5
		47				47	EA	REMOVING SIGNS	675.50	-
		16				16	EA	ERECTING SALVAGED SIGNS	675.60	-
		4				4	EA	DELINEATOR WITH STEEL POST	676.10	-
		4				4	EA	REMOVAL OF EXISTING DELINEATOR	676.12	-
		1				1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
		730				730	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	3

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07C194_30.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 30 OF 62

ITEM DETAIL SUMMARY SHEET 1

LOCATION			GUARDRAIL				MISCELLANEOUS																	REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B. GR. GALV. LF	621.60 ANCHOR FOR S.B. RAIL EA	621.74 ALUMINUM APPROACH RAILING LF	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.16 SOLID ROCK EXCAV. CY	301.26 SUBBASE CRUSHED GRAVEL CY	604.40 CHAN ELEV OF DI, CB OR MH EA	604.412 REHAB DI, CB, OR MH, CLASS I EA	604.415 REHAB DI, CB, OR MH, CLASS II EA	604.418 REHAB DI, CB, OR MH, CLASS III EA	616.28 C-I-P CONC. CURB TYPE B LF	616.41 REMOVAL OF EXIST. CURB LF	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON	618.10 PORT. CEM. CONC. SIDEWALK, 5 INCH SY	618.30 DET. WARNING SURFACE SF	619.17 YIELDING MARKER POSTS EA	620.75 SNOW BARRIER, GALV. EA	653.20 TEMP. EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EA	676.12 REMOVAL OF EXISTING DELINEATOR EA	
U.S. ROUTE 5 DERBY																								
270+23	313+32	LT&RT								1	6	5	5						10		200			QUANTITIES FOR USE AS DIRECTED BY THE RESIDENT ENGINEER
282+02		LT					0.4	0.4	0.4								2.7	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
282+29		LT					0.5	0.4	0.5								2.9	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
283+89		LT					0.4	0.4	0.4								2.7	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
284+18		LT					0.8		0.5								2.8	8						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
294+92		RT					0.4	0.4	0.4								2.7	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
295+18		RT					1.8	0.4	1.2								7.0	16						CONSTRUCT SIDEWALK RAMPS, TYPE 6
295+19		LT					0.7	0.6	0.7								4.4	8						CONSTRUCT SIDEWALK RAMP, TYPE 6
295+64		LT					1.1	0.9	1.1								4.4	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
301+21		RT					2.1		1.1								6.9	8						CONSTRUCT SIDEWALK RAMP, TYPE 2
301+25		LT					0.8	0.7	0.8								5.0	8						CONSTRUCT SIDEWALK RAMP, TYPE 6
302+07		LT					1.2		0.7								4.0	12						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
304+72		LT					1.2		0.6								3.9	12						CONSTRUCT SIDEWALK RAMP, TYPE 1
305+50		LT					0.7	0.6	0.7								4.4	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
305+95		RT					4.0	1.2	2.8					18	18		17.1	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
307+74		LT					1.4	1.2	1.4								8.5	16						CONSTRUCT SIDEWALK RAMP, TYPE 1
307+78		RT					2.6	2.2	2.6					5	5		15.6	8						CONSTRUCT SIDEWALK RAMP, TYPE 2
309+72		RT					0.6	0.5	0.6								3.3	8						CONSTRUCT SIDEWALK RAMP, TYPE 6
309+78		LT					1.0		0.6								3.3	8						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
ALT. U.S. ROUTE 5																								
0+00	31+89	LT&RT									5	6	6						8					QUANTITIES FOR USE AS DIRECTED BY THE RESIDENT ENGINEER
0+85		RT					1.5	1.3	1.5					19	19		9.3	8						CONSTRUCT SIDEWALK RAMP, TYPE 6
0+85		LT					0.5	0.4	0.5								2.7	12						CONSTRUCT SIDEWALK RAMP, TYPE 6
1+88		LT					0.6	0.5	0.6								3.9	12						CONSTRUCT SIDEWALK RAMP, TYPE 6
1+89		RT					1.2	1.0	1.2								7.0	12						CONSTRUCT SIDEWALK RAMP, TYPE 6
2+47		RT					0.6	0.5	0.6								3.6	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
2+91		RT					0.5	0.4	0.5								2.8	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
5+67		RT					2.1		2.1								12.7	8						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
5+67		LT					0.8	0.4	0.5								2.8	8						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
SHEET SUBTOTALS:							29.5	14.4	24.6	1	11	11	11	42	42		146.4	244	18		200			

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_31.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 31 OF 62

ITEM DETAIL SUMMARY SHEET 2

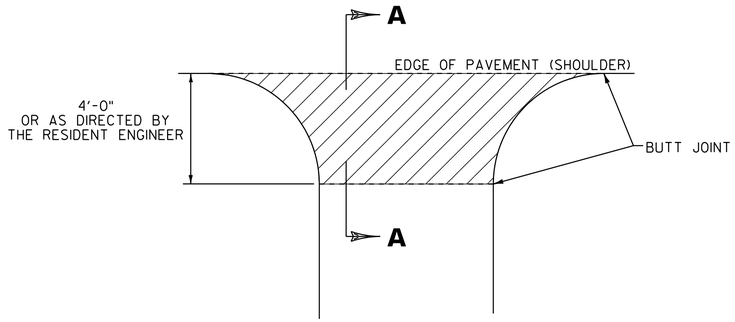
LOCATION			GUARDRAIL				MISCELLANEOUS																REMARKS
BEGIN STATION	END STATION	POS.	621.20 S.B. GR. GALV.	621.60 ANCHOR FOR S.B. RAIL	621.74 ALUMINUM APPROACH RAILING	621.80 REMOVAL & DISPOSAL OF GUARDRAIL	203.15 COMMON EXCAVATION	203.16 SOLID ROCK EXCAV.	301.26 SUBBASE CRUSHED GRAVEL	604.40 CHAN ELEV OF DI, CB OR MH	604.412 REHAB DI, CB, OR MH, CLASS I	604.415 REHAB DI, CB, OR MH, CLASS II	604.418 REHAB DI, CB, OR MH, CLASS III	616.28 C-I-P CONC. CURB TYPE B	616.41 REMOVAL OF EXIST. CURB	616.47 BIT. CONC. GUTTERS & TRAFF. ISL.	618.10 PORT. CEM. CONC. SIDEWALK, 5 INCH	618.30 DET. WARNING SURFACE	620.75 SNOW BARRIER, GALV.	619.17 YIELDING MARKER POSTS	653.20 TEMP. EROSION MATTING	676.10 DELINEATOR WITH STEEL POST	676.12 REMOVAL OF EXISTING DELINEATOR	
			LF	EA	LF	LF	CY	CY	CY	EA	EA	EA	EA	LF	LF	TON	SY	SF	EA	EA	SY	EA	EA	
ALT. U.S. ROUTE 5 (CONT.) DERBY (CONT.)																								
8+87		LT					2.5		1.4								8.3	8						CONSTRUCT SIDEWALK RAMP, TYPE 6
8+92		RT					3.3		1.8								10.7	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
8+95	9+74	LT														4.1								CONSTRUCT BITUMINOUS CONCRETE GUTTER (4' WIDE)
11+90		RT					0.6	0.5	0.6								3.6	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
12+26		RT					0.6	0.5	0.6								3.6	8						CONSTRUCT SIDEWALK RAMP, TYPE 1
18+81		RT					0.3	0.2	0.3								1.8	8						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
19+07		RT					0.3	0.2	0.3								1.8	8						CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
25+69	28+58	RT	264.5	1	25	289																1	1	INSTALL ANCHOR AT 25+70.5, RT; CONNECT ALUMINUM APPROACH RAILING TO EXISTING BRIDGE RAIL ON BRIDGE 114
26+04	28+79	LT	252	1	25	266																1	1	INSTALL ANCHOR AT 26+04, LT; CONNECT ALUMINUM APPROACH RAILING TO EXISTING BRIDGE RAIL ON BRIDGE 114
29+26	29+98	RT																	72					
29+74	30+42	LT																	68					
30+69	31+41	RT																	72					
31+18	31+80	LT																	62					
APPROACH (DERBY TOWN)																								
0+50.8	2+27.8	RT	152	1	25	177																1	1	INSTALL ANCHOR AT 2+25.8, RT; CONNECT ALUMINUM APPROACH RAILING TO EXISTING BRIDGE RAIL ON BRIDGE 114
0+72.8	4+13.8	LT	314.5	1	25	341																1	1	INSTALL ANCHOR AT 4+10.3, LT; CONNECT ALUMINUM APPROACH RAILING TO EXISTING BRIDGE RAIL ON BRIDGE 114
SHEET 1 SUBTOTALS:			-	-	-	-	29.5	14.4	24.6	1	11	11	11	42	42	-	146.4	244	-	18	200	-	-	
SHEET 2 SUBTOTALS:			983	4	100	1073	7.6	1.4	5	-	-	-	-	-	-	4.1	29.8	48	274	-	-	4	4	
PROJECT SUBTOTALS:			983	4	100	1073	37.1	15.8	29.6	1	11	11	11	42	42	4.1	176.2	292	274	18	200	4	4	
ROUNDINGS:			17	-	-	-	0.9	1.2	0.4	-	-	-	-	3	3	0.4	3.8	8	6	-	-	-	-	
TOTALS:			1000	4	100	1073	38	17	30	1	11	11	11	45	45	4.5	180	300	280	18	200	4	4	

ITEM DETAIL SUMMARY SHEET #2

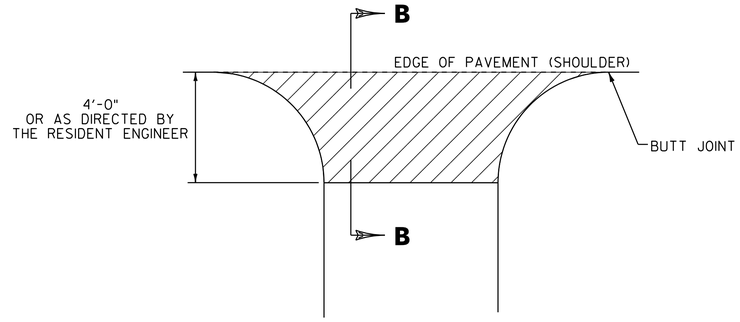
PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_32.i

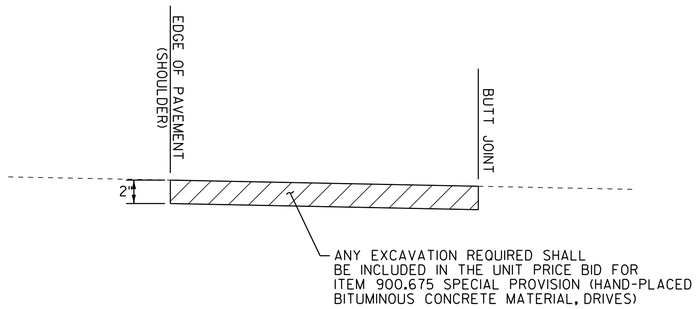
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 32 OF 62



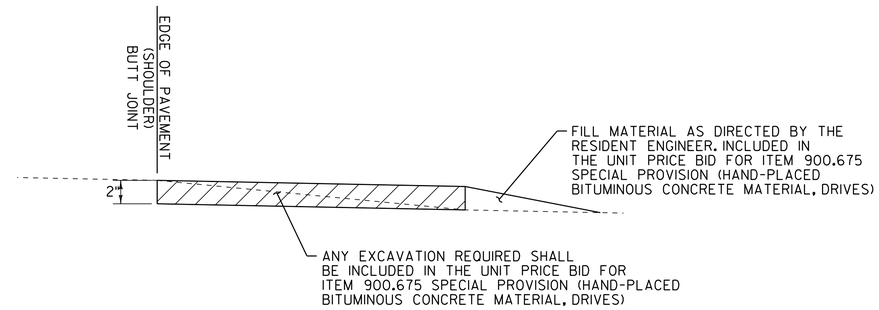
PLAN



PLAN



SECTION A–A



SECTION B–B

HANDWORK DETAILS FOR PAVED DRIVES

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5		
271+09	RT	5
272+21	RT	9
273+19	LT	14
273+47	RT	6
273+78	LT	8
274+88	LT	8
276+46	LT	11
276+74	RT	10
277+37	RT	12
278+02	LT	13
278+03	RT	8
278+94	LT	9
279+78	LT	5
280+28	RT	6
281+66	RT	7
283+09	LT	5
283+66	RT	7
284+17	RT	8
285+11	LT	7
286+19	RT	9
286+60	LT	7
SUBTOTAL		174

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5 (CONTINUED)		
287+29	LT	7
287+41	RT	8
289+34	RT	7
289+98	LT	8
290+29	RT	7
290+86	LT	6
291+05	RT	6
292+71	RT	5
293+56	RT	6
294+71	RT	5
295+94	RT	10
297+36	RT	8
299+38	RT	8
300+28	RT	8
301+33	RT	6
302+82	RT	43
304+92	RT	9
306+30	RT	21
308+04	LT	20
308+33	RT	19
308+85	RT	10
SUBTOTAL		227

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5 (CONTINUED)		
309+06	LT	38
309+65	LT	9
310+38	LT	6
311+24	LT	5
ALT. U.S. ROUTE 5		
2+61	RT	11
3+54	RT	11
4+49	RT	6
6+14	RT	11
6+67	LT	22
8+61	RT	5
9+06	RT	10
9+65	RT	5
10+55	LT	8
11+54	LT	16
11+61	RT	6
12+80	LT	11
13+54	RT	5
14+57	RT	8
16+27	RT	9
17+49	RT	6
SUBTOTAL		208

HANDWORK DETAILS FOR GRAVEL DRIVES

STATION	POSITION	QUANTITY (SY)
ALT. U.S. ROUTE 5 (CONTINUED)		
17+75	RT	4
18+28	LT	6
18+84	LT	6
20+01	LT	7
20+19	RT	4
20+81	RT	6
20+99	LT	7
22+30	LT	52
22+39	RT	8
23+00	RT	5
25+67	LT	13
SUBTOTAL		118
COLUMN 1		174
COLUMN 2		227
COLUMN 3		208
COLUMN 4		118
SUBTOTAL		727
ROUNDING		3
TOTAL		730

NOTES:

1. PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 2".
2. THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
3. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND

ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

NOT TO SCALE

DRIVE DETAIL SHEET

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07C194_33.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 33 OF 62

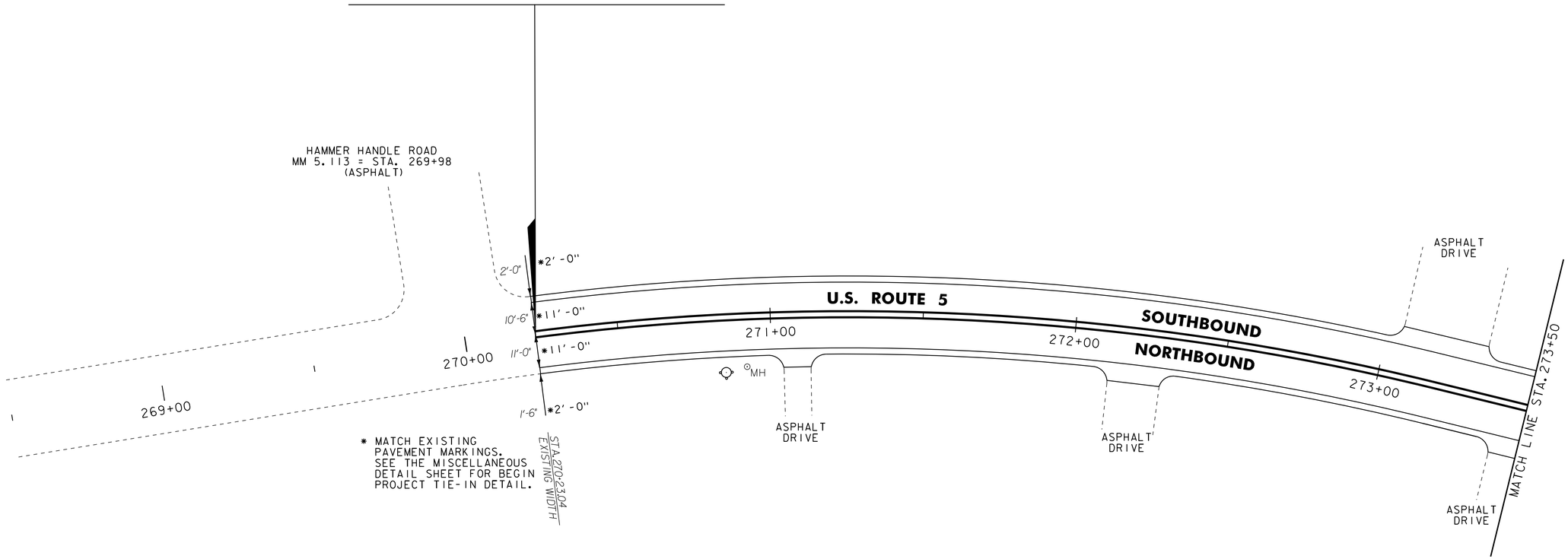
646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
STA. 270+23.04 TO 273+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
STA. 270+23.04 TO 273+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 270+23.04 TO 273+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 270+23.04 TO 273+50, SOLID LT & RT

BEGIN STP 2703(1) U.S. ROUTE 5
DERBY STA. 270+23.04 = MM 5.118



UTILITY LEGEND

	= EXISTING HYDRANT
	= EXISTING DI
	= EXISTING MANHOLE
TEL	= EXISTING TELEPHONE MANHOLE
ELEC	= EXISTING ELECTRIC MANHOLE
SMH	= EXISTING SEWER MANHOLE
WSO	= EXISTING WATER SHUTOFF
GSO	= EXISTING GAS SHUTOFF
	= EXISTING MONITORING WELL
	= EXISTING MAILBOX
	= EXISTING POWER POLE
	= EXISTING TELEPHONE POLE
	= EXISTING UTILITY POLE
	= EXISTING SIGNAL HEAD
CT	= EXISTING CONTROLLER
PB	= EXISTING PULL BOX
	= EXISTING VIDEO VEHICLE DETECTORS
	= PROPOSED VIDEO VEHICLE DETECTORS
	= PROPOSED VIDEO DETECTION AREA
	= EXISTING GUARDRAIL
	= EXISTING RAILROAD
	= EXISTING FENCE
	= EXISTING STONE WALL

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK
	= RETURN TO THE VILLAGE OF DERBY

NOT TO SCALE

NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

PROJECT LAYOUT SHEET #1

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_34.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 34 OF 62

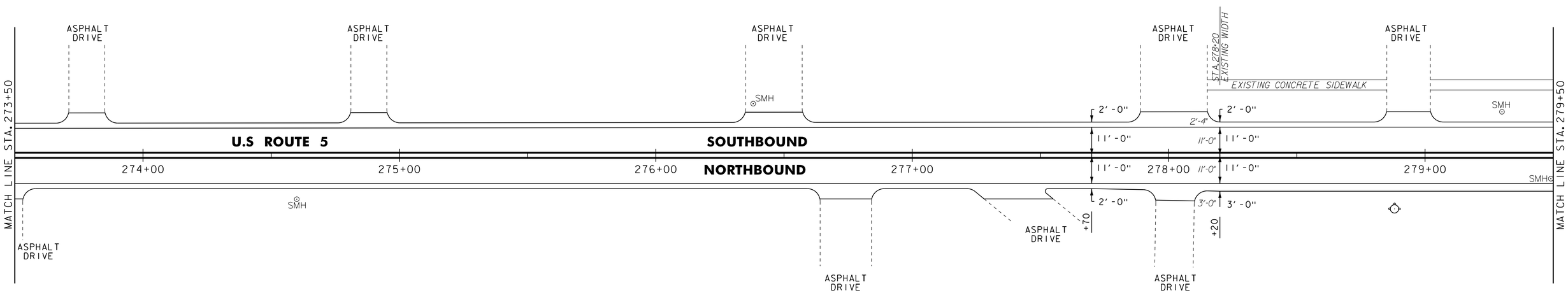
604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 279+49, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
STA. 273+50 TO 279+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
STA. 273+50 TO 279+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 273+50 TO 279+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 273+50 TO 279+50, SOLID LT & RT



NOTE:

1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_35.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 35 OF 62

604.412, 604.415 OR 604.418 REHAB. Dis, CBs OR MHs, CLASS I,II OR III
STA. 282+29, RT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 282+27, LT
STA. 282+38, RT
STA. 284+01, LT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 282+02, LT
STA. 282+29, LT
STA. 283+89, LT
STA. 284+18, LT

618.30 DETECTABLE WARNING SURFACE
STA. 282+02, LT
STA. 282+29, LT
STA. 283+89, LT
STA. 284+18, LT

629.20 ADJUSTING ELEVATION OF VALVE BOX
STA. 281+91, RT
STA. 284+08, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 279+50 TO 285+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 279+50 TO 285+50, SOLID LT & RT

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 282+02 TO 282+28, LT
STA. 283+90 TO 284+17, LT

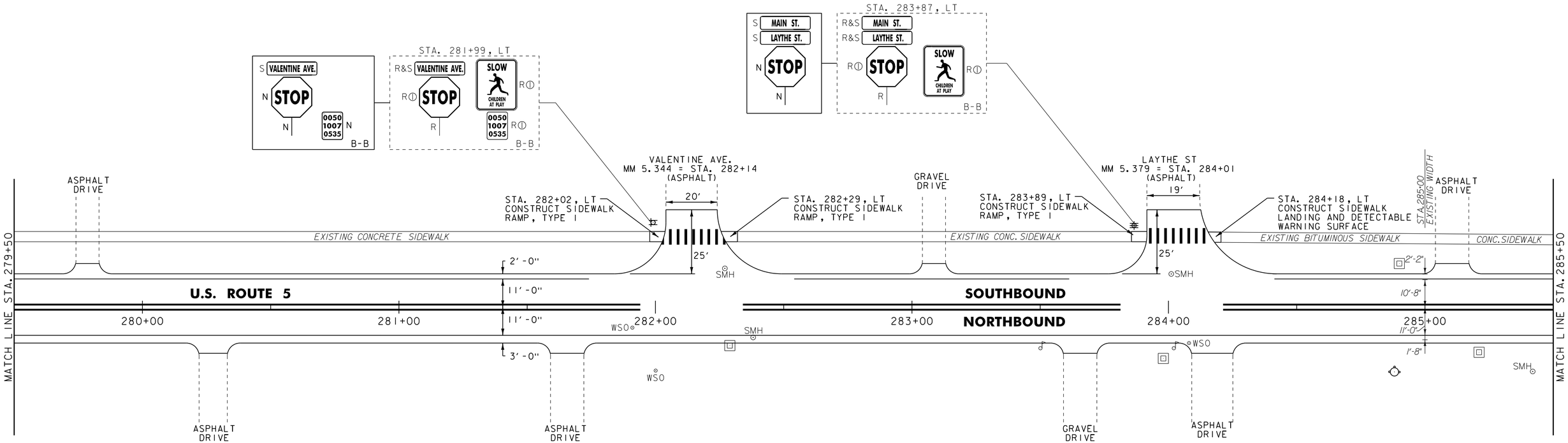
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 279+50 TO 285+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 279+50 TO 285+50, SOLID LT & RT

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 282+02 TO 282+28, LT
STA. 283+90 TO 284+17, LT

675.50 REMOVING SIGNS
AS SHOWN - 8

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 3



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #3

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_36.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 36 OF 62

604.412, 604.415 OR 604.418 REHAB. Dis, CBs OR MHs, CLASS I,II OR III
STA. 290+70, RT

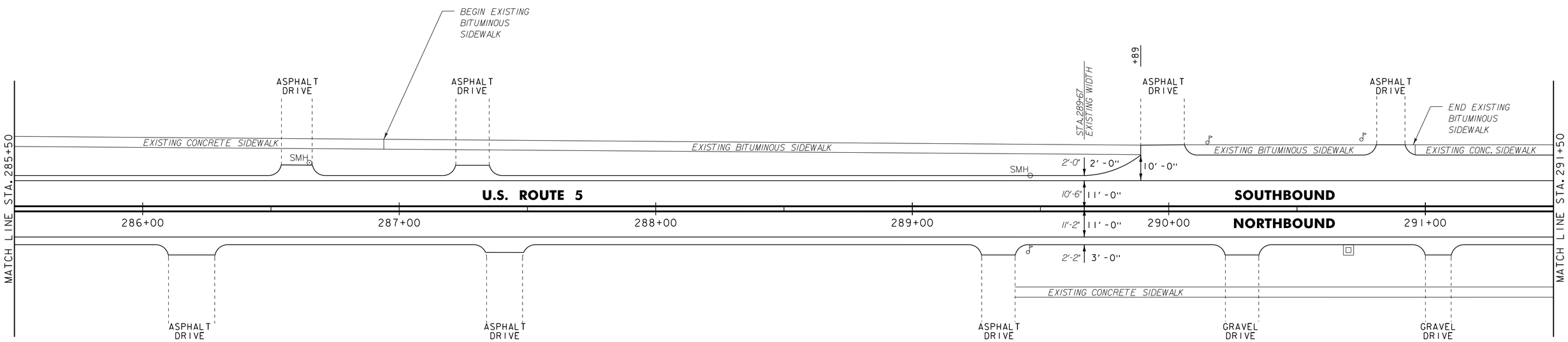
604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 289+46, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
STA. 285+50 TO 291+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
STA. 285+50 TO 291+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 285+50 TO 291+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 285+50 TO 291+50, SOLID LT & RT



NOTE:

1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_37.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 37 OF 62

604.412, 604.415 OR 604.418 REHAB. Dis, CBs OR MHs, CLASS I,II OR III
STA. 292+59, LT
STA. 293+25, RT
~~STA. 295+09, LT~~ ELIMINATED - FILLED WITH FLOWABLE FILL

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 292+37, LT
STA. 295+03, RT
STA. 295+33, LT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 294+92, RT
STA. 295+18, RT
STA. 295+19, LT
STA. 295+64, LT

618.30 DETECTABLE WARNING SURFACE
STA. 294+92, RT
STA. 295+18, RT
STA. 295+19, LT
STA. 295+21, RT
STA. 295+64, LT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 295+04, RT
STA. 295+09, RT
STA. 295+11, RT
~~STA. 296+40, LT~~ ELIMINATED BY TOWN OF DERBY LINE

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
STA. 291+50 TO 297+50, SOLID LT & RT
STA. 295+34, LT (BEACH STREET EDGELINES)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 291+50 TO 297+50, SOLID LT & RT
STA. 295+34, DOUBLE SOLID LT (BEACH ST. CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 295+28, LT (BEACH ST.)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 295+28, LT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 294+95 TO 295+15, RT
STA. 295+19 LT - RT
STA. 295+20 TO 295+56, LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 291+50 TO 297+50, SOLID LT & RT
STA. 295+34, LT (BEACH STREET EDGELINES)

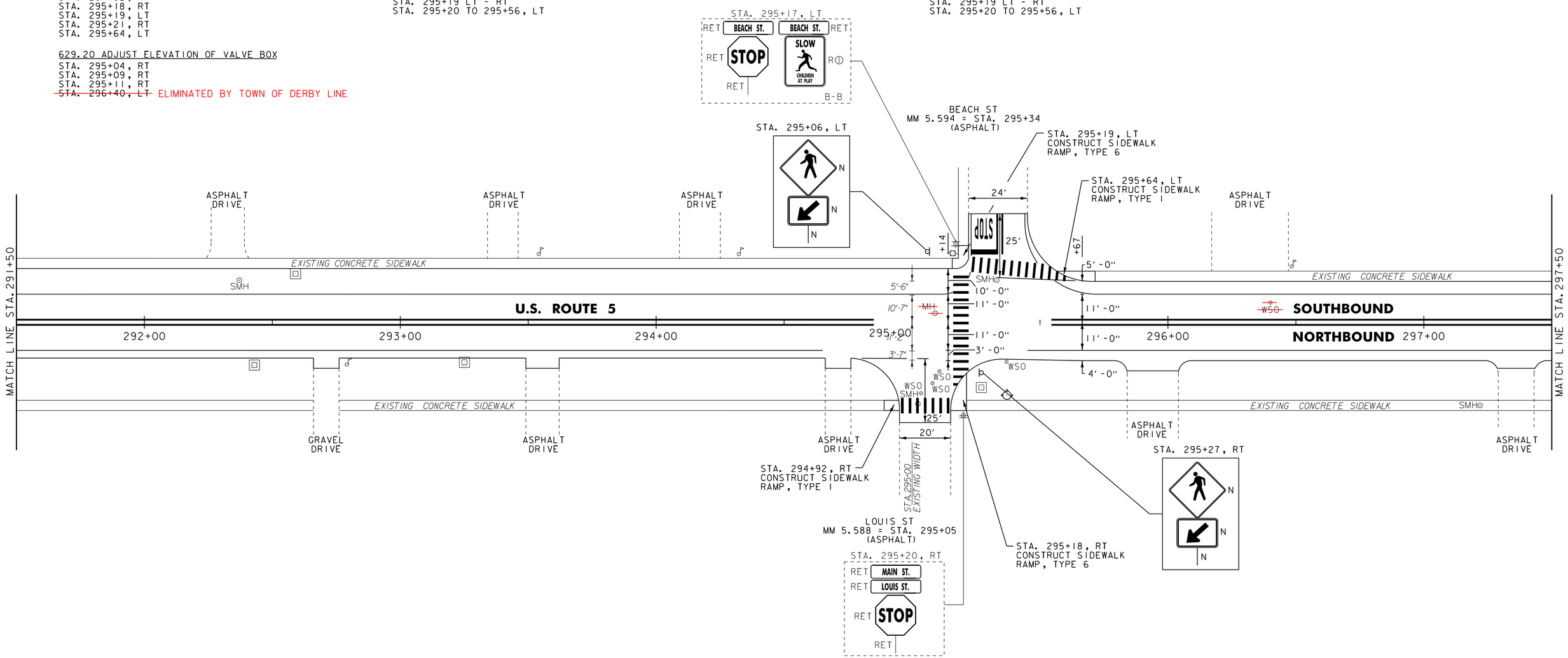
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 291+50 TO 297+50, SOLID LT & RT
STA. 295+34, DOUBLE SOLID LT (BEACH ST CENTERLINE.)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 295+28, LT (BEACH ST.)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 295+28, LT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 294+95 TO 295+15, RT
STA. 295+19 LT - RT
STA. 295+20 TO 295+56, LT

675.50 REMOVING SIGNS
AS SHOWN - 1



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #5

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_38.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 38 OF 62

604.412, 604.415 OR 604.418 REHAB, DIS, CBs OR MHs, CLASS I,II OR III
STA. 302+19, RT
STA. 303+34, RT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 298+31, LT
STA. 301+35, LT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 301+21, RT
STA. 301+25, LT
STA. 302+07, LT

618.30 DETECTABLE WARNING SURFACE
STA. 301+21, RT
STA. 301+25, LT
STA. 302+07, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 297+50 TO 303+50, SOLID LT & RT
STA. 301+89, LT (ELM STREET EDGE LINES)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 297+50 TO 303+50, SOLID LT & RT
STA. 301+89, DOUBLE SOLID LT (ELM ST. CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 301+42, LT (ELM ST.)
STA. 301+80, LT (ELM ST.)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 301+44, LT - "STOP"
STA. 301+58, LT - YIELD LINE
STA. 301+76, LT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 301+21, LT - RT
STA. 301+26 TO 302+07, LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 297+50 TO 303+50, SOLID LT & RT
STA. 301+89, LT (ELM STREET EDGE LINES)

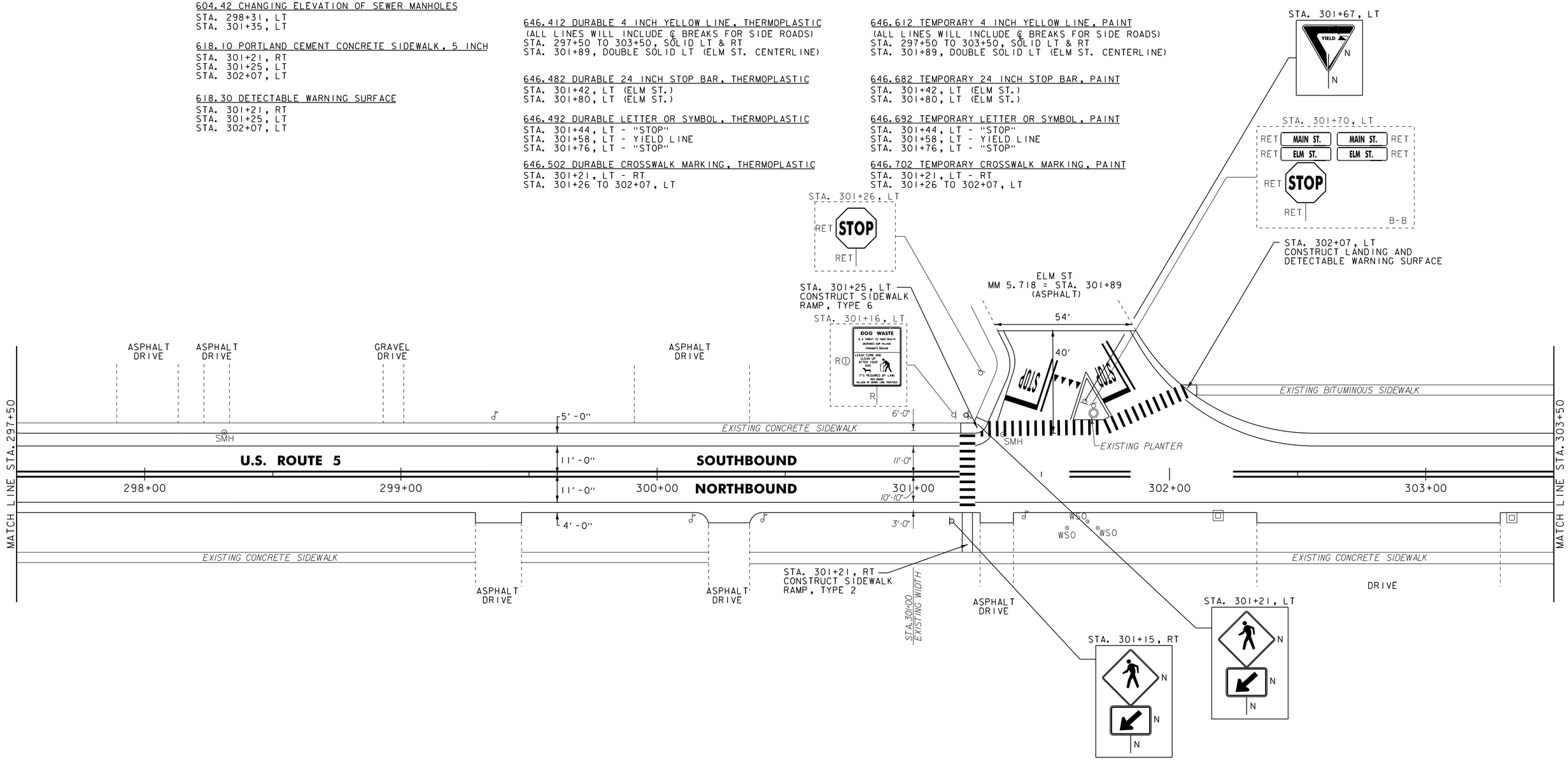
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 297+50 TO 303+50, SOLID LT & RT
STA. 301+89, DOUBLE SOLID LT (ELM ST. CENTERLINE)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 301+42, LT (ELM ST.)
STA. 301+80, LT (ELM ST.)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 301+44, LT - "STOP"
STA. 301+58, LT - YIELD LINE
STA. 301+76, LT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 301+21, LT - RT
STA. 301+26 TO 302+07, LT

675.50 REMOVING SIGNS
AS SHOWN - 1



NOTE:

1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. SEE THE PAVEMENT MARKING DETAIL SHEET FOR THE YIELD LINE DETAIL.

NOT TO SCALE

PROJECT LAYOUT SHEET #6

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_39.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 39 OF 62

604.412, 604.415 OR 604.418 REHAB. DIs, CBs OR MHs, CLASS I,II OR III
STA. 306+26, LT
STA. 306+54, RT
STA. 307+17, LT
STA. 307+63, RT
STA. 308+67, LT
STA. 308+91, RT
STA. 309+41, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 305+87, LT
STA. 306+06, RT
STA. 307+96, LT
STA. 307+97, RT
STA. 306+15, LT

616.28 CAST-IN-PLACE CONCRETE CURB,TYPE B
STA. 305+95, RT
STA. 307+78, RT

616.41 REMOVAL OF EXISTING CURB
STA. 305+95, RT
STA. 307+78, RT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 304+72, LT
STA. 305+50, LT
STA. 305+95, RT
STA. 307+74, LT
STA. 307+78, RT

618.30 DETECTABLE WARNING SURFACE
STA. 304+72, LT
STA. 305+50, LT
STA. 305+95, RT
STA. 307+74, LT
STA. 307+78, RT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 307+54, RT
STA. 307+67, RT
STA. 307+69, RT
~~STA. 308+68, RT~~ ELIMINATED BY THE TOWN OF DERBY LINE
STA. 308+96, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 303+50 TO 305+43, SOLID LT
STA. 303+50 TO 306+67, SOLID RT
STA. 305+30, LT (BAXTER AVE. EDGELINES)
STA. 305+55 TO 309+50, SOLID LT & RT
(PARKING SPACES & DIAGONALS WITH EDGELINE BREAKS FOR CROSSWALK)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 303+50 TO 309+50, SOLID LT & RT
STA. 305+30, DOUBLE SOLID LT (BAXTER AVE. CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 304+95, LT (BAXTER AVE.)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 304+97, LT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 304+72 TO 305+45, LT
STA. 305+50, LT TO 305+89, RT
STA. 307+71, LT TO 307+78, RT
STA. 307+81 TO 309+50, LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 303+50 TO 305+43, SOLID LT
STA. 303+50 TO 306+67, SOLID RT
STA. 305+30, LT (BAXTER AVE. EDGELINES)
STA. 305+55 TO 309+50, SOLID LT & RT
(PARKING SPACES & DIAGONALS WITH EDGELINE BREAKS FOR CROSSWALK)

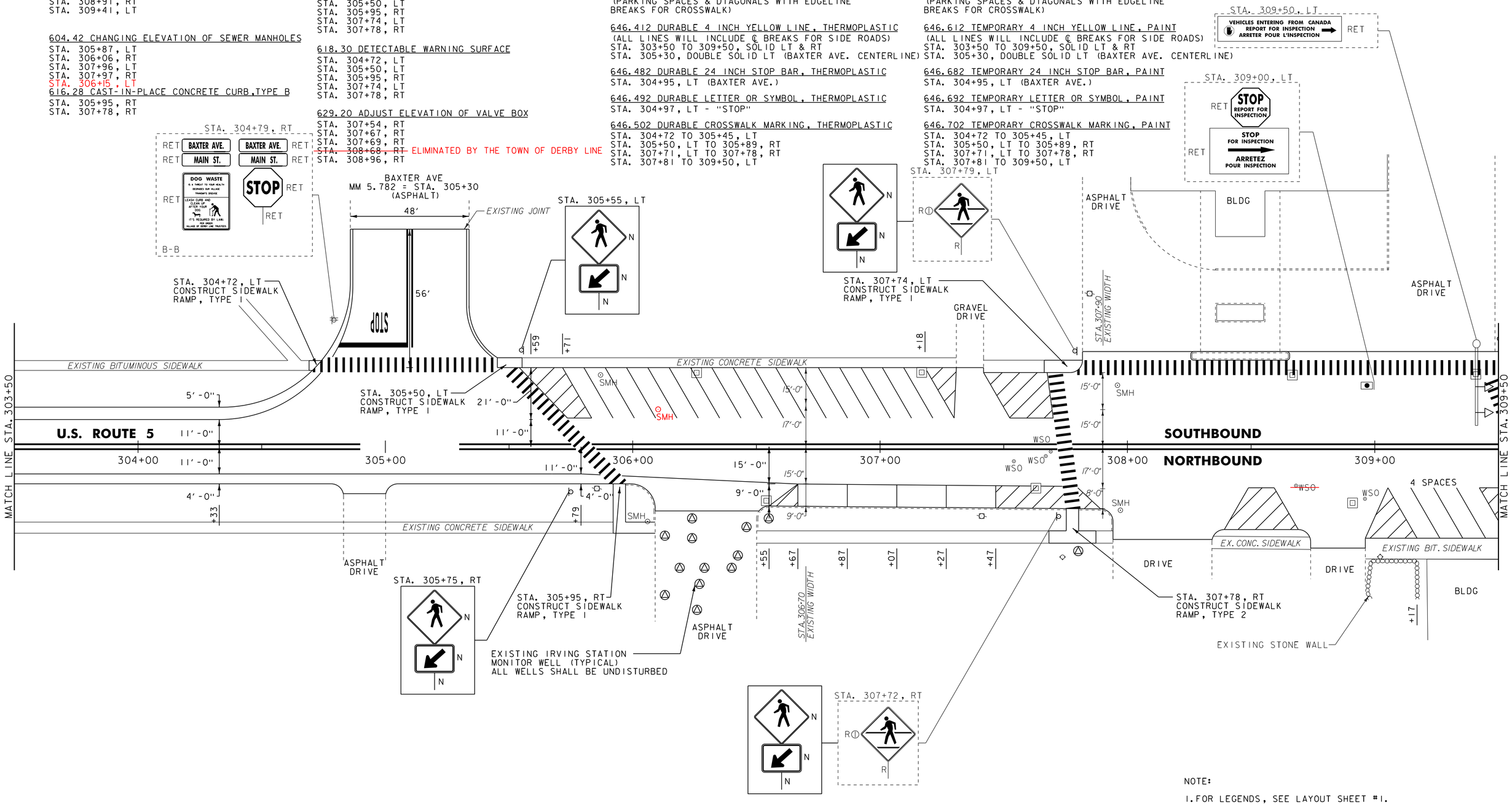
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 303+50 TO 309+50, SOLID LT & RT
STA. 305+30, DOUBLE SOLID LT (BAXTER AVE. CENTERLINE)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 304+95, LT (BAXTER AVE.)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 304+97, LT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 304+72 TO 305+45, LT
STA. 305+50, LT TO 305+89, RT
STA. 307+71, LT TO 307+78, RT
STA. 307+81 TO 309+50, LT

675.50 REMOVING SIGNS
AS SHOWN - 2



NOTE:

1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. SEE THE PAVEMENT MARKING DETAIL SHEET FOR THE ANGLED PARKING STALL DETAILS.

NOT TO SCALE

PROJECT LAYOUT SHEET #7

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07C194.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_40.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 40 OF 62

604.412, 604.415 OR 604.418 REHAB. DIs, CBs OR MHs, CLASS I, II OR III
U.S. ROUTE 5 STA. 310+09, RT
U.S. ROUTE 5 STA. 311+09, LT
U.S. ALT ROUTE 5 STA. 0+47, CL
U.S. ALT ROUTE 5 STA. 0+58, RT
U.S. ALT ROUTE 5 STA. 0+64, RT
U.S. ALT ROUTE 5 STA. 0+70, LT
U.S. ALT ROUTE 5 STA. 1+20, RT
U.S. ROUTE 5 STA. 313+17 RT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
U.S. ROUTE 5 STA. 311+19, LT — ROUTE 5 STA. 311+35 LT
U.S. ROUTE 5 STA. 313+05, LT — ROUTE 5 STA. 311+80 LT
U.S. ALT ROUTE 5 STA. 0+49, RT — ROUTE 5 STA. 310+30 LT

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
U.S. ALT ROUTE 5 STA. 0+85, RT

616.41 REMOVAL OF EXISTING CURB
U.S. ALT ROUTE 5 STA. 0+85, RT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
U.S. ROUTE 5 STA. 309+72, RT
U.S. ROUTE 5 STA. 309+78, LT
U.S. ALT ROUTE 5 STA. 0+85, RT
U.S. ALT ROUTE 5 STA. 0+85, LT

618.30 DETECTABLE WARNING SURFACE
U.S. ROUTE 5 STA. 309+72, RT
U.S. ROUTE 5 STA. 309+78, LT
~~U.S. ALT ROUTE 5 STA. 0+85, RT~~
~~U.S. ALT ROUTE 5 STA. 0+85, LT~~ } ELIMINATED BY THE VILLAGE OF DERBY LINE

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
U.S. ROUTE 5 STA. 309+50 TO 311+33, SOLID LT & RT
(PARKING SPACES & DIAGONALS WITH EDGELINE BREAKS FOR CROSSWALK)
U.S. ROUTE 5 STA. 311+28 TO 313+31.52, SOLID LT & RT
U.S. ALT. ROUTE 5 STA. 0+16 TO 1+50 RT
U.S. ALT. ROUTE 5 STA. 0+60 TO 1+50 LT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
U.S. ROUTE 5 STA. 309+50 TO 313+31.52, SOLID LT & RT
U.S. ALT. ROUTE 5 STA. 0+60 TO 1+50 LT & RT

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
U.S. ALT ROUTE 5 STA. 0+60, LT

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
U.S. ROUTE 5 STA. 309+64, LT - ARROW
U.S. ROUTE 5 STA. 310+22, LT - "CUSTOMS"
U.S. ROUTE 5 STA. 310+32, LT - "US"
U.S. ROUTE 5 STA. 310+97, LT - ARROW
U.S. ROUTE 5 STA. 311+54, LT - "CUSTOMS"
U.S. ROUTE 5 STA. 311+64, LT - "US"
U.S. ROUTE 5 STA. 311+76, LT - "TO"
U.S. ROUTE 5 STA. 311+85, LT - "REPORT"
U.S. ROUTE 5 STA. 312+19, LT - "AHEAD"
U.S. ROUTE 5 STA. 312+30, LT - "STOP"
U.S. ROUTE 5 STA. 312+62, LT - "CUSTOMS"
U.S. ROUTE 5 STA. 312+72, LT - "US"
U.S. ROUTE 5 STA. 312+83, LT - "TO"
U.S. ROUTE 5 STA. 312+93, LT - "REPORT"
U.S. ALT. ROUTE 5 STA. 0+70, LT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
U.S. ROUTE 5 STA. 309+46, LT TO 309+72, RT
U.S. ROUTE 5 STA. 309+50 TO 309+75, LT
~~U.S. ALT ROUTE 5 STA. 0+54 TO 0+74, RT~~
~~U.S. ALT ROUTE 5 STA. 0+85, LT - RT~~ } ELIMINATED BY VILLAGE OF DERBY LINE

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
U.S. ROUTE 5 STA. 309+50 TO 311+33, SOLID LT & RT
(PARKING SPACES & DIAGONALS WITH EDGELINE BREAKS FOR CROSSWALK)
U.S. ROUTE 5 STA. 311+28 TO 313+31.52, SOLID LT & RT
U.S. ALT. ROUTE 5 STA. 0+16 TO 1+50 RT
U.S. ALT. ROUTE 5 STA. 0+60 TO 1+50 LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
U.S. ROUTE 5 STA. 309+50 TO 313+31.52, SOLID LT & RT
U.S. ALT. ROUTE 5 STA. 0+60 TO 1+50 LT & RT

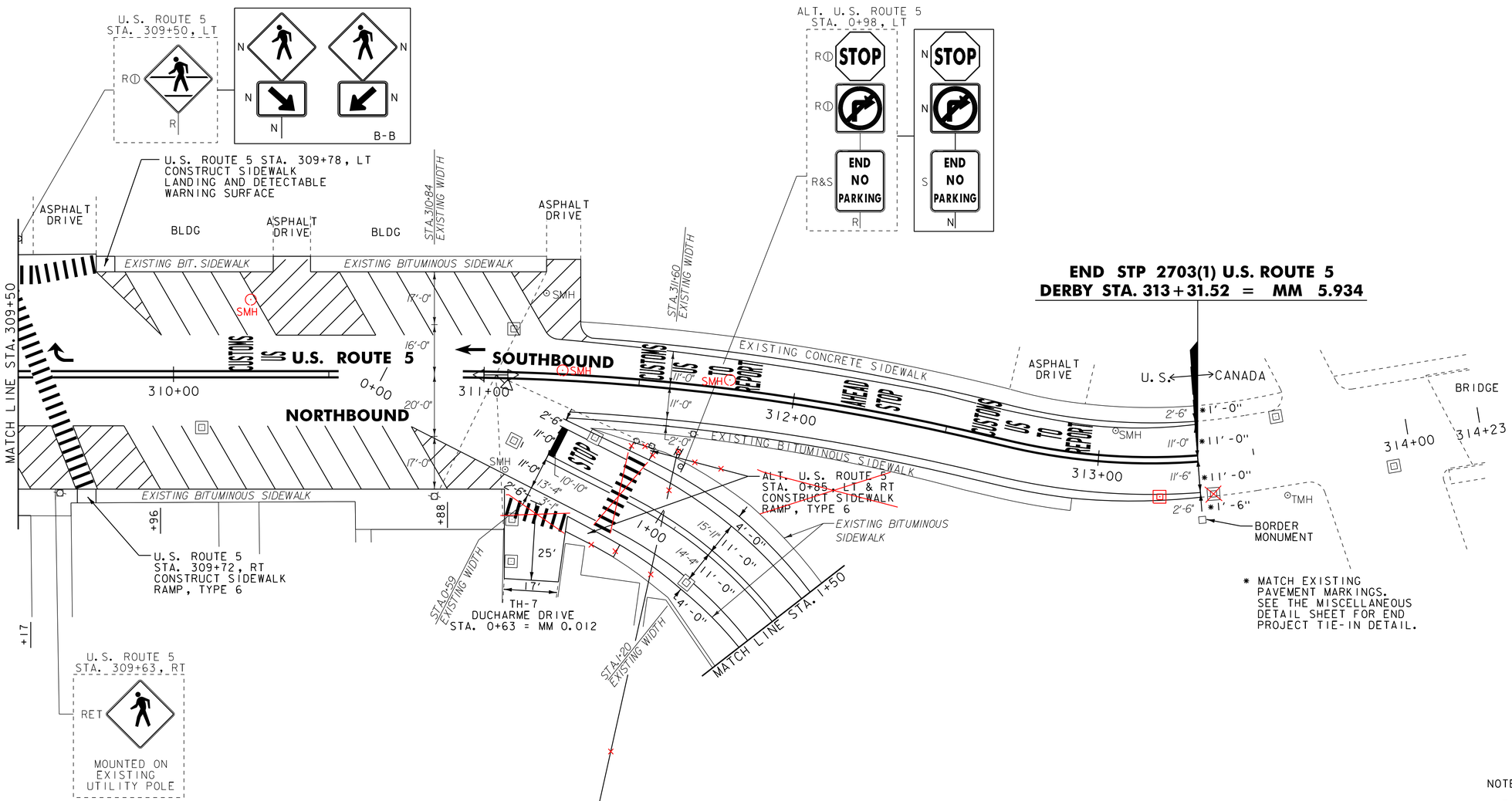
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
U.S. ALT ROUTE 5 STA. 0+60, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
U.S. ROUTE 5 STA. 309+64, LT - ARROW
U.S. ROUTE 5 STA. 310+22, LT - "CUSTOMS"
U.S. ROUTE 5 STA. 310+32, LT - "US"
U.S. ROUTE 5 STA. 310+97, LT - ARROW
U.S. ROUTE 5 STA. 311+54, LT - "CUSTOMS"
U.S. ROUTE 5 STA. 311+64, LT - "US"
U.S. ROUTE 5 STA. 311+76, LT - "TO"
U.S. ROUTE 5 STA. 311+85, LT - "REPORT"
U.S. ROUTE 5 STA. 312+19, LT - "AHEAD"
U.S. ROUTE 5 STA. 312+30, LT - "STOP"
U.S. ROUTE 5 STA. 312+62, LT - "CUSTOMS"
U.S. ROUTE 5 STA. 312+72, LT - "US"
U.S. ROUTE 5 STA. 312+83, LT - "TO"
U.S. ROUTE 5 STA. 312+93, LT - "REPORT"
U.S. ALT. ROUTE 5 STA. 0+70, LT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
U.S. ROUTE 5 STA. 309+46, LT TO 309+72, RT
U.S. ROUTE 5 STA. 309+50 TO 309+75, LT
U.S. ALT ROUTE 5 STA. 0+54 TO 0+74, RT
U.S. ALT ROUTE 5 STA. 0+85, LT - RT

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



NOTE:

1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. SEE THE PAVEMENT MARKING DETAIL SHEET FOR THE LETTER AND SYMBOL LAYOUT FOR THE APPROACH TO U.S. CUSTOMS, AND THE ANGLED PARKING DETAILS.

NOT TO SCALE

PROJECT LAYOUT SHEET #8

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_41.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 41 OF 62

604.412, 604.415 OR 604.418 REHAB, DIs, CBs OR MHs, CLASS I,II OR III
STA. 3+64, LT
STA. 3+83, RT
STA. 4+86, LT
STA. 7+02, RT
STA. 7+11, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 1+54, CL
STA. 2+15, CL
STA. 3+69, RT
STA. 3+78, LT
STA. 4+01, RT
~~STA. 5+42, RT~~ ELIMINATED BY TOWN OF DERBY LINE

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 1+88, LT
STA. 1+89, RT
STA. 2+47, RT
STA. 2+91, RT
STA. 5+67, LT & RT

618.30 DETECTABLE WARNING SURFACE
STA. 1+88, LT
STA. 1+89, RT
STA. 2+47, RT
STA. 2+91, RT
STA. 5+67, LT & RT

629.20 ADJUST ELEVATION OF VALVE BOX
~~STA. 5+55, RT~~ ELIMINATED BY TOWN OF DERBY LINE

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 1+50 TO 7+50, SOLID LT & RT
STA. 4+17, LT (CHURCH STREET EDGELINES)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 1+50 TO 7+50, SOLID LT & RT
STA. 4+17, DOUBLE SOLID LT (CHURCH ST. CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 4+18, LT (CHURCH ST.)
STA. 5+11, LT (CHURCH ST.)
STA. 5+23. LT (CHURCH ST.)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 4+25, LT - "STOP"
STA. 5+11, LT - "STOP"
STA. 5+26, LT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 1+89, LT - RT
STA. 2+49 TO 2+88, RT
STA. 4+52 TO 5+34, LT
STA. 5+67, LT - RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 1+50 TO 7+50, SOLID LT & RT
STA. 4+17, LT (CHURCH STREET EDGELINES)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 1+50 TO 7+50, SOLID LT & RT
STA. 4+17, DOUBLE SOLID LT (CHURCH ST. CENTERLINE)

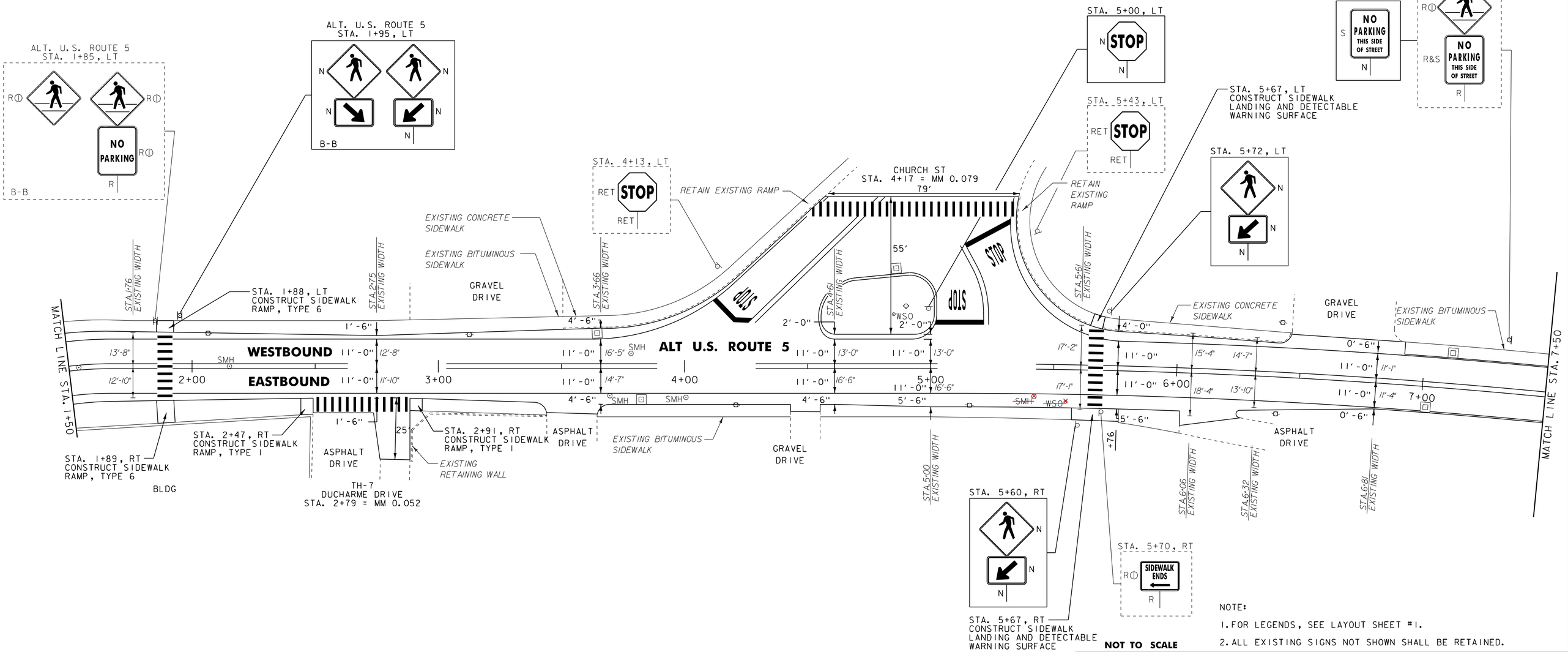
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 4+18, LT (CHURCH ST.)
STA. 5+11, LT (CHURCH ST.)
STA. 5+23. LT (CHURCH ST.)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 4+25, LT - "STOP"
STA. 5+11, LT - "STOP"
STA. 5+26, LT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 1+89, LT - RT
STA. 2+49 TO 2+88, RT
STA. 4+52 TO 5+34, LT
STA. 5+67, LT - RT

675.50 REMOVING SIGNS
AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 1



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #9

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07CI94_42.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 42 OF 62

604.412, 604.415 OR 604.418 REHAB. DIs, CBs OR MHs, CLASS I,II OR III
STA. 8+72, RT
STA. 11+85, RT
STA. 12+27, RT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 9+94, RT
STA. 11+87, RT

616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 8+95 TO 9+74, LT
(SEE MISCELLANEOUS DETAIL SHEET)

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 8+87, LT
STA. 8+92, RT
STA. 11+90, RT
STA. 12+26, RT

618.30 DETECTABLE WARNING SURFACE
STA. 8+87, LT
STA. 8+92, RT
STA. 11+90, RT
STA. 12+26, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 7+50 TO 13+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 7+50 TO 13+50, SOLID LT & RT
STA. 12+00, DOUBLE SOLID RT (PELOW HILL CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 12+17, RT (PELOW HILL)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 12+19, RT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 8+87, LT TO 8+92, RT
STA 11+94 TO 12+22, RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 7+50 TO 13+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 7+50 TO 13+50, SOLID LT & RT
STA. 12+00, DOUBLE SOLID RT (PELOW HILL CENTERLINE)

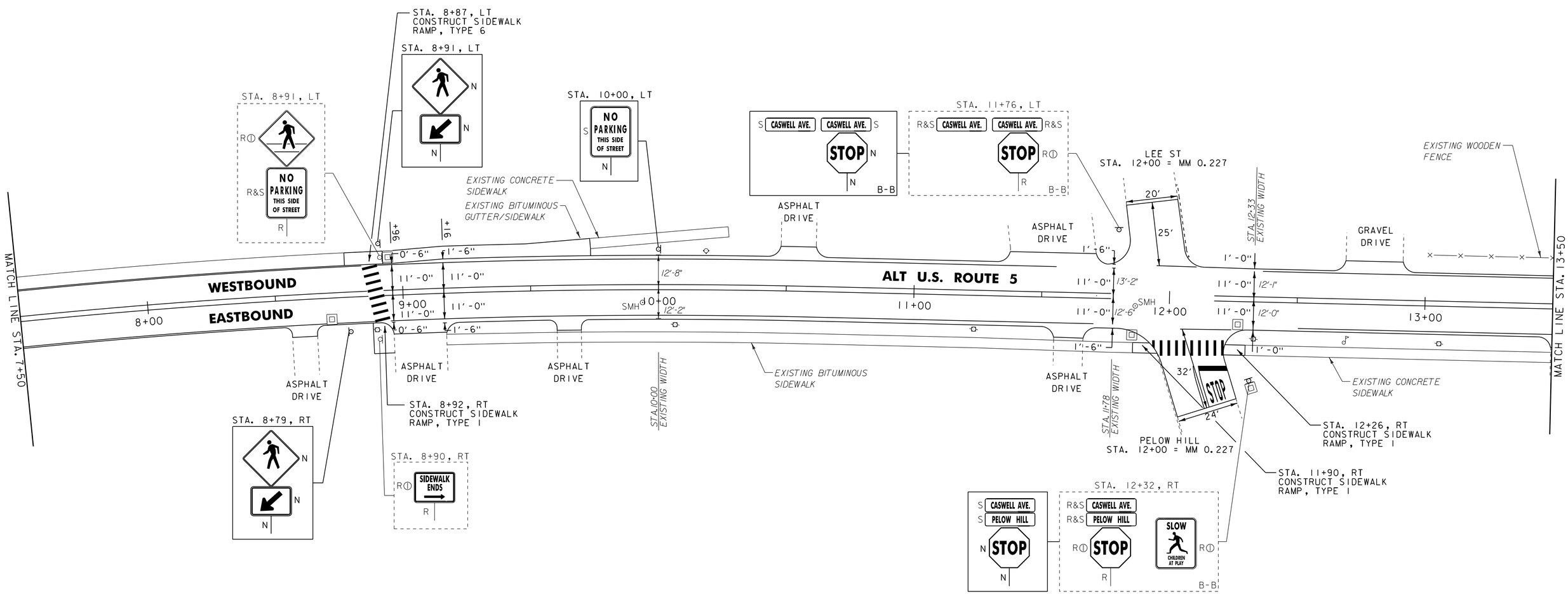
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 12+17, RT (PELOW HILL)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 12+19, RT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 8+87, LT TO 8+92, RT
STA 11+94 TO 12+22, RT

675.50 REMOVING SIGNS
AS SHOWN - 10

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 5



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #10

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_43.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 43 OF 62

604.412, 604.415 OR 604.418 REHAB. DIS, CBs OR MHs, CLASS I, II OR III
STA. 18+65, RT
STA. 18+81, RT
STA. 18+96, LT
STA. 19+19, RT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 18+81, RT
STA. 19+07, RT

618.30 DETECTABLE WARNING SURFACE
STA. 18+81, RT
STA. 19+07, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 13+50 TO 19+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 13+50 TO 19+50, SOLID LT & RT
STA. 18+93, DOUBLE SOLID RT (HIGHLAND AVE. CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 19+00, RT (HIGHLAND AVE.)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 19+00, RT - "STOP"

646.502 DURABLE CROSSWALK MARKING, THERMOPLASTIC
STA. 18+83 TO 19+05, RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 13+50 TO 19+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 13+50 TO 19+50, SOLID LT & RT
STA. 18+93, DOUBLE SOLID RT (HIGHLAND AVE. CENTERLINE)

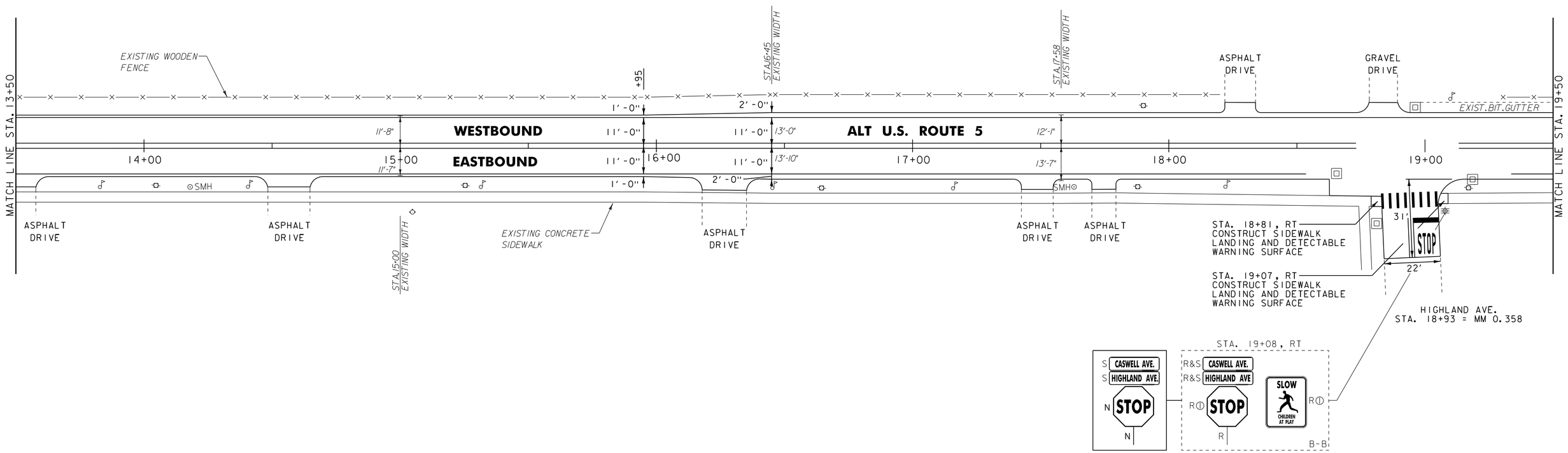
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 19+00, RT (HIGHLAND AVE.)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 19+00, RT - "STOP"

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 18+83 TO 19+05, RT

675.50 REMOVING SIGNS
AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOTE:

1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #11

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_44.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 44 OF 62

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 23+74, RT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 23+82, LT
STA. 23+82, RT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 19+50 TO 25+50, SOLID LT & RT
STA. 24+88, SOLID RT (SB ON/OFF RAMP B EDGELINES)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 19+50 TO 25+50, SOLID LT & RT
STA. 23+88, DOUBLE SOLID RT (MAPLE ST. CENTERLINE)
STA. 24+88, DOUBLE SOLID RT (SB ON/OFF RAMP B CENTERLINE)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
STA. 23+94, RT (MAPLE ST.)
STA. 24+90, RT (SB ON/OFF RAMP B)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
STA. 23+94, RT - "STOP"
STA. 24+89, RT - "STOP"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 19+50 TO 25+50, SOLID LT & RT
STA. 24+88, SOLID RT (SB ON/OFF RAMP B EDGELINES)

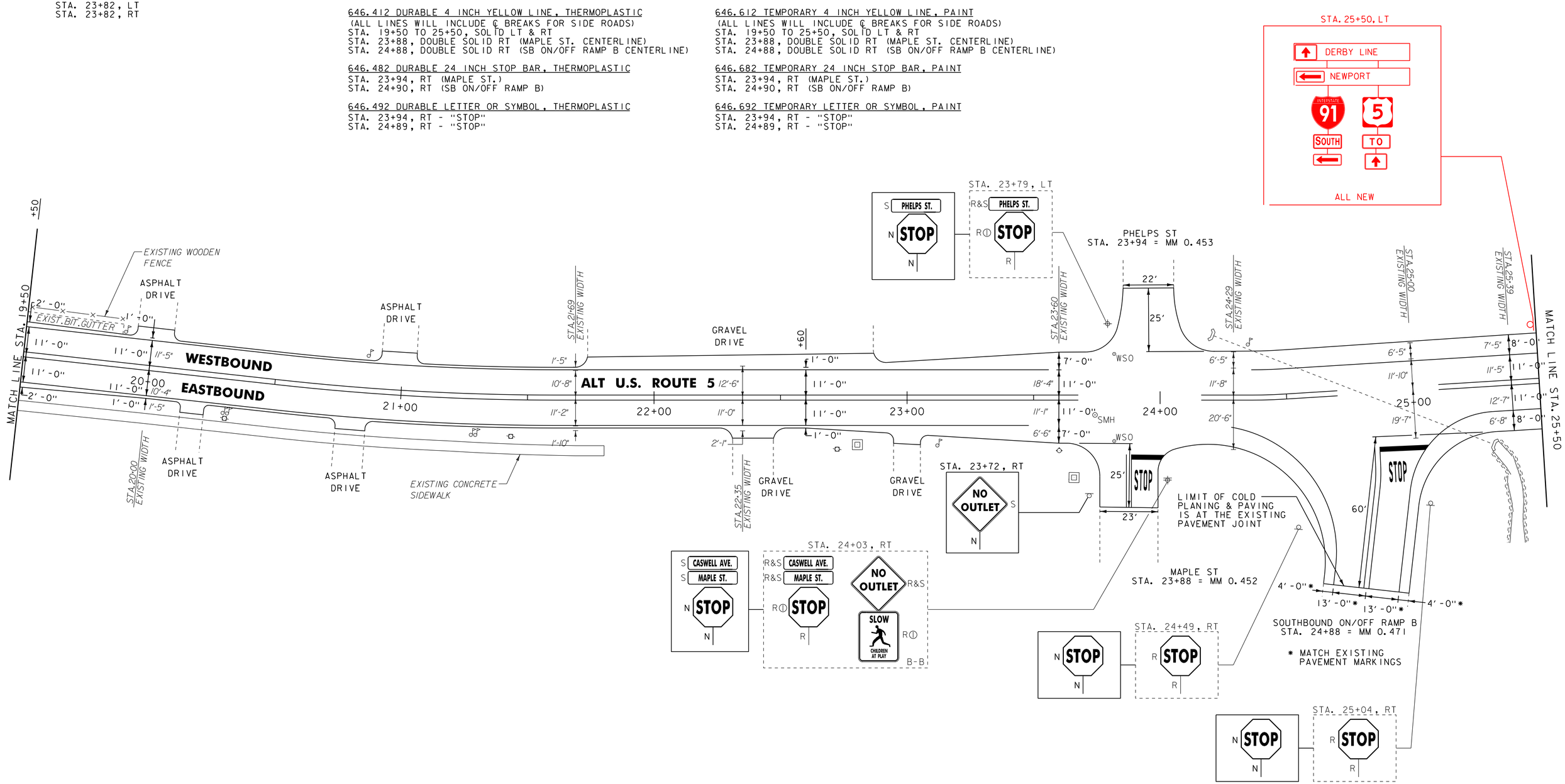
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 19+50 TO 25+50, SOLID LT & RT
STA. 23+88, DOUBLE SOLID RT (MAPLE ST. CENTERLINE)
STA. 24+88, DOUBLE SOLID RT (SB ON/OFF RAMP B CENTERLINE)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 23+94, RT (MAPLE ST.)
STA. 24+90, RT (SB ON/OFF RAMP B)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 23+94, RT - "STOP"
STA. 24+89, RT - "STOP"

675.50 REMOVING SIGNS
AS SHOWN - 9

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 4



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #12

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_45.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 45 OF 62

~~620.75 SNOW BARRIER, GALVANIZED~~
~~STA. 29+26 TO 29+98, RT~~
~~STA. 29+74 TO 30+42, LT~~
~~STA. 30+69 TO 31+41, RT~~
~~STA. 31+18 TO 31+50, LT~~

THIS ITEM ELIMINATED
FROM THE CONTRACT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 25+70.5 TO 28+33, RT~~ STA. 25+95.5 TO 28+58, RT
~~STA. 26+04 TO 28+54, LT~~ STA. 25+91.5 TO 28+79, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
~~STA. 25+70.5, RT~~ STA. 25+95.5, RT
~~STA. 26+04, LT~~ STA. 25+91.5, LT

621.74 ALUMINUM APPROACH RAILING
~~STA. 28+33 TO 28+58, RT~~ STA. 28+58 TO 28+83, RT
~~STA. 28+54 TO 28+79, LT~~ STA. 28+79 TO 29+04, LT

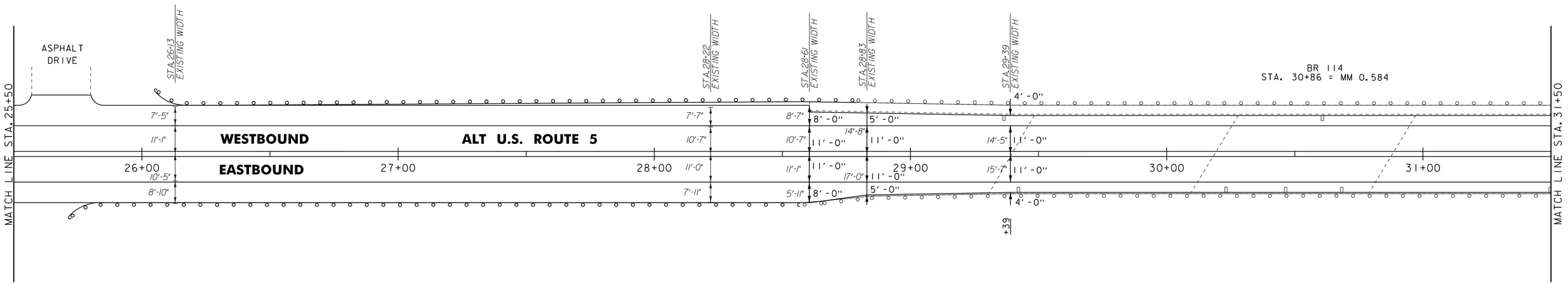
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
~~STA. 25+69 TO 28+58, RT~~ STA. 25+95.5 TO 28+83, RT
~~STA. 26+13 TO 28+79, LT~~ STA. 25+91.5 TO 29+04, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
STA. 25+50 TO 31+50, SOLID LT & RT

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 25+50 TO 31+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 25+50 TO 31+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 25+50 TO 31+50, SOLID LT & RT



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #13

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_46.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 46 OF 62

~~620.75 SNOW BARRIER, GALVANIZED~~
~~DERBY STA. 31+50 TO 31+80, LT~~
THIS ITEM ELIMINATED FROM THE CONTRACT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
0+50.8 DERBY TOWN STA. ~~0+75.8~~ TO 2+25.8, RT
0+72.8 DERBY TOWN STA. ~~0+97.8~~ TO 4+10.3, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
DERBY TOWN STA. 2+25.8, RT
DERBY TOWN STA. 4+10.3, LT

621.74 ALUMINUM APPROACH RAILING
DERBY TOWN STA. ~~0+50.8 TO 0+75.8, RT~~ 0+25.8 TO 0+50.8, RT
DERBY TOWN STA. ~~0+72.8 TO 0+97.8, LT~~ 0+47.8 TO 0+72.8, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
DERBY TOWN STA. ~~0+50.8 TO STA. 2+27.8, RT~~ 0+25.8 TO 2+25.8, RT
DERBY TOWN STA. ~~0+72.8 TO STA. 4+13.8, LT~~ 0+47.8 TO 4+10.3, LT

646.402 DURABLE 4 INCH WHITE LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
DERBY STA. 31+50 TO 31+89.12, SOLID LT & RT
DERBY TOWN STA. 0+00 TO 4+81.52, SOLID LT & RT
DERBY TOWN STA. 2+81, SOLID RT (NB ON/OFF RAMP A EDGELINES)
DERBY TOWN STA. 4+41, SOLID RT (HERRICK ROAD EDGELINES)

646.412 DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
DERBY STA. 31+50 TO 31+89.12, SOLID LT & RT
DERBY TOWN STA. 0+00 TO 4+81.52, SOLID LT & RT
DERBY TOWN STA. 2+81, DOUBLE SOLID RT (NB ON/OFF RAMP A)
DERBY TOWN STA. 4+41, DOUBLE SOLID RT (HERRICK ROAD)

646.482 DURABLE 24 INCH STOP BAR, THERMOPLASTIC
DERBY TOWN STA. 2+96, RT (NB ON/OFF RAMP A)
DERBY TOWN STA. 4+53, RT (HERRICK ROAD)

646.492 DURABLE LETTER OR SYMBOL, THERMOPLASTIC
DERBY TOWN STA. 2+95, RT - "STOP"
DERBY TOWN STA. 4+51, RT - "STOP"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
DERBY STA. 31+50 TO 31+89.12, SOLID LT & RT
DERBY TOWN STA. 0+00 TO 4+81.52, SOLID LT & RT
DERBY TOWN STA. 2+81, SOLID RT (NB ON/OFF RAMP A EDGELINES)
DERBY TOWN STA. 4+41, SOLID RT (HERRICK ROAD EDGELINES)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
DERBY STA. 31+50 TO 31+89.12, SOLID LT & RT
DERBY TOWN STA. 0+00 TO 4+81.52, SOLID LT & RT
DERBY TOWN STA. 2+81, DOUBLE SOLID RT (NB ON/OFF RAMP A)
DERBY TOWN STA. 4+41, DOUBLE SOLID RT (HERRICK ROAD)

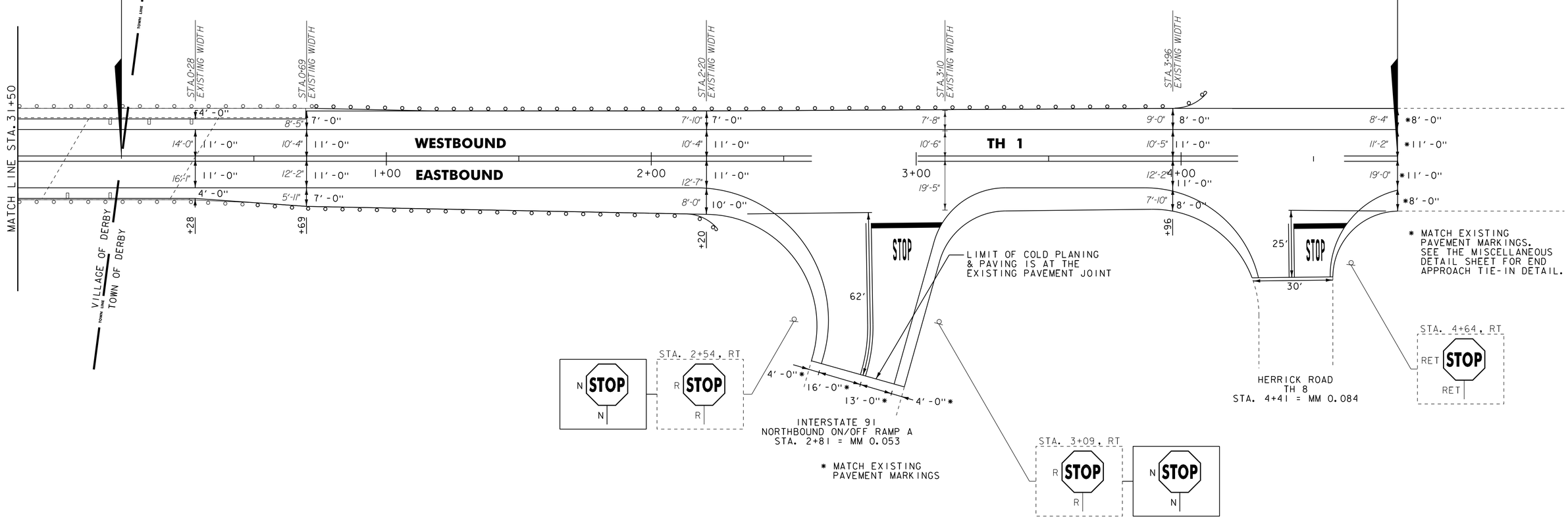
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
DERBY TOWN STA. 2+96, RT (NB ON/OFF RAMP A)
DERBY TOWN STA. 4+53, RT (HERRICK ROAD)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
DERBY TOWN STA. 2+95, RT - "STOP"
DERBY TOWN STA. 4+51, RT - "STOP"

675.50 REMOVING SIGNS
AS SHOWN - 2

END STP 2703(1) ALT U.S. ROUTE 5
DERBY STA. 31+89.12 = MM 0.604
BEGIN APPROACH

END APPROACH
DERBY TOWN T.H. 1 STA. 4+81.52 = MM 0.091



NOTE:
1. FOR LEGENDS, SEE LAYOUT SHEET #1.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #14

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_47.i
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 47 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS 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 (2.42)	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)	FOUND-ATION	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
U.S. ROUTE 5 DERBY												OPTION ITEMS																							
281+99, LT	VALENTINE AVE. / STOP / 0050 1007 0535 B-B	1 1	30 6	30 10	6.25 0.4		1				1					X		X															INSTALL SALVAGED STREET SIGN 90 DEGREES TO AND 6 INCHES ABOVE STOP SIGN. PLACE MM PLAQUE BACK TO BACK AND BELOW STOP SIGN SIGN ID CODE R1-1	- SEE FHWA SHS E-138	-
283+87, LT	MAIN ST. / LAYTHE ST. / STOP	1 1 1	30	30	6.25		1 1				1					X		X															INSTALL SALVAGED STREET SIGNS 90 DEGREES TO EACH OTHER AND 6 INCHES ABOVE STOP SIGN. SIGN ID CODE R1-1	- - SEE FHWA SHS	- -
295+06, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)	SEE FHWA SHS SEE FHWA SHS	
295+27, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)	SEE FHWA SHS SEE FHWA SHS	
301+15, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)	SEE FHWA SHS SEE FHWA SHS	
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT	FT 75	FT		EA	LB	LB	LB		LB	LB	LB	LB								
		TOTALS			SF 37.65	SF	EA. 3	SF				FT			FT 75					LB			EA.	LB				EA.	EA.	LB					

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_48.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 48 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS 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 (2.42)	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)	FOUND-ATION	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
U.S. ROUTE 5 (CONTINUED)												OPTION ITEMS																							
301+21, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
301+67, LT		1	30	30	3.13						1					X		X															SIGN ID CODE R1-2		SEE FHWA SHS
305+55, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
305+75, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
307+72, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
307+79, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
											FT	FT	FT	FT	FT 90	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 44.38	SF	EA.	SF			FT			FT 90					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

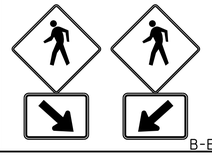
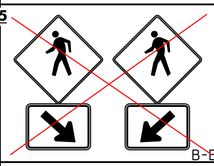
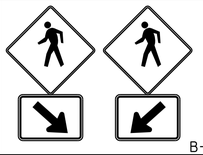
PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_49.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 49 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 03

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS 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 (2.42)	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)	FOUND-ATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
U.S. ROUTE 5 (CONTINUED)											OPTION ITEMS																								
309+50, LT	 B-B	2 2	30 24	30 12	12.50 4.00						1					X		X															MOUNT SIGNS BACK TO BACK SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
ALT. U.S. ROUTE 5 ~~0+95, LT~~ ELIMINATED BY VILLAGE OF DERBY LINE	 B-B	2 2	30 24	30 12	~~12.50~~ ~~4.00~~						1					X		X															MOUNT SIGNS BACK TO BACK SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
0+98, LT		1 1	30 30	30 30	6.25 6.25		1				1					X		X															SIGN ID CODE R1-1 SIGN ID CODE R3-2	- -	SEE FHWA SHS SEE FHWA SHS
1+95, LT	 B-B	2 2	30 24	30 12	12.50 4.00						1					X		X															MOUNT SIGNS BACK TO BACK SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
5+00, LT		1	30	30	6.25						1					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
TOTALS					SF 68.25	SF	EA. 1	SF				FT	FT	FT	FT	FT 75	FT 75		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB				

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_50.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 50 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 04

MILEMARKER, 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 2.42	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	TUBULAR STEEL Ø (in) FOUND-ATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
ALT. U.S. ROUTE 5 (CONTINUED)											OPTION ITEMS																								
5+60, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
5+72, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
7+33, LT							1				1					X		X															MOUNT SALVAGED SIGN ON NEW POST	-	-
8+79, RT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS
8+91, LT		1 1	30 24	30 12	6.25 2.00						1					X		X															SIGN ID CODE W11-2 (FLUORESCENT YELLOW-GREEN) SIGN ID CODE W16-7P (FLUORESCENT YELLOW-GREEN)		SEE FHWA SHS SEE FHWA SHS

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

TOTALS	SF	SF	EA.	SF	FT	FT	FT	FT	FT	FT	EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB
	33.00		1				75		75													

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_51.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 51 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 05

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS 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 (2.42)	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)	FOUND-ATION	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 REQUIRED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
ALT. U.S. ROUTE 5 (CONTINUED)												OPTION ITEMS																							
10+00, LT	NO PARKING THIS SIDE OF STREET						1				1					X		X																MOUNT SALVAGED SIGN ON NEW POST	-	-
11+76, LT	CASWELL AVE. CASWELL AVE. STOP	1	30	30	6.25		1 1				1					X		X																INSTALL SALVAGED STREET SIGNS BACK TO BACK TO EACH OTHER, 90 DEGREES TO AND 6 INCHES ABOVE STOP SIGN SIGN ID CODE RI-1	- - SEE FHWA SHS	- -
12+32, RT	CASWELL AVE. PELOW HILL STOP	1	30	30	6.25		1 1				1					X		X																INSTALL SALVAGED STREET SIGNS 90 DEGREES TO EACH OTHER AND 6 INCHES ABOVE STOP SIGN. SIGN ID CODE RI-1	- - SEE FHWA SHS	- -
19+08, RT	CASWELL AVE. HIGHLAND AVE. STOP	1	30	30	6.25		1 1				1					X		X																INSTALL SALVAGED STREET SIGNS 90 DEGREES TO EACH OTHER AND 6 INCHES ABOVE STOP SIGN. SIGN ID CODE RI-1	- - SEE FHWA SHS	- -
23+72, RT	NO OUTLET						1				1					X		X																MOUNT SALVAGED SIGN ON NEW POST	-	-
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT	FT 75	FT		EA	LB	LB	LB		LB	LB	LB	LB							
												FT			FT 75					LB			EA.	LB				EA.	EA.	LB				
	TOTALS	SF 18.75	SF	EA. 8	SF																														

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_52.i

PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 52 OF 62

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 06

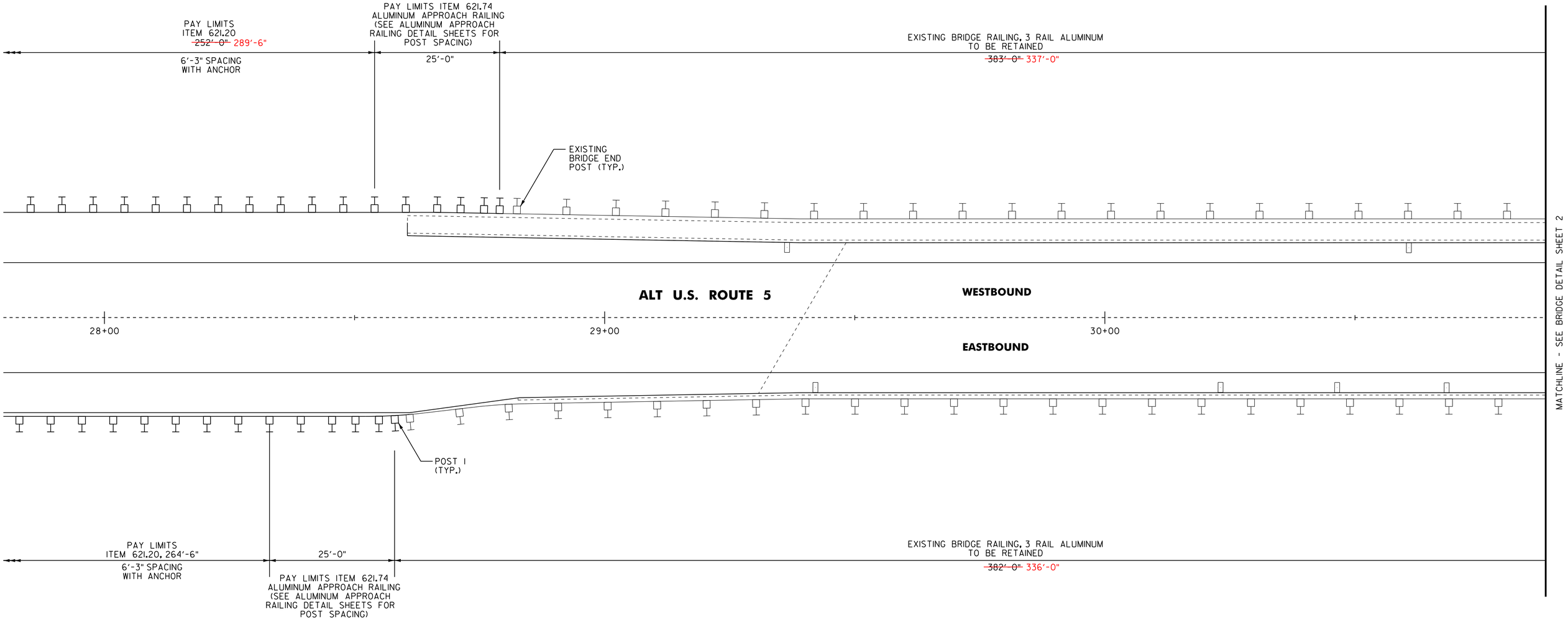
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED 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 (2.42)	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)	FOUND-ATION	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
ALT. U.S. ROUTE 5 (CONTINUED)												OPTION ITEMS																							
23+79, LT	PHELPS ST. / STOP	1	30	30	6.25		1				1					X		X															SIGN ID CODE R1-1	-	- SEE FHWA SHS
24+03, RT	CASWELL AVE. / MAPLE ST. / STOP	1	30	30	6.25		1 / 1				1					X		X															INSTALL SALVAGED STREET SIGNS 90 DEGREES TO EACH OTHER AND 6 INCHES ABOVE STOP SIGN. SIGN ID CODE R1-1	- / -	- / - SEE FHWA SHS
	DERBY LINE	1	72"	12"	6.00																												SIGN ID CODE D1-1		E-123
	NEWPORT	1	72"	12"	6.00																														
24+49, RT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
	INTERSTATE 91	1	24	24	4.00																												SIGN ID CODE M1-1		E-135
	5	1	24	24	4.00																												SIGN ID CODE M1-4		E-136A
25+04, RT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
25+50, LT	SOUTH / TO	1 / 1 / 1 / 1	24 / 24 / 21 / 21	12 / 12 / 15 / 15	2.00 / 2.00 / 2.19 / 2.19						2					X		X															SIGN ID CODE M3-3 / SIGN ID CODE M4-5 / SIGN ID CODE M6-1 / SIGN ID CODE M6-3		E-135 / E-136A / E-135 / E-136A
ALT. U.S. ROUTE 5 APPROACH DERBY																																			
2+54, RT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
3+09, RT	STOP	1	30	30	6.25						1					X		X															SIGN ID CODE R1-1		SEE FHWA SHS
	TSS SHEET 1 SUBTOTALS				37.65		3									75																			
	TSS SHEET 2 SUBTOTALS				44.38											90																			
	TSS SHEET 3 SUBTOTALS				68.25		1									75																			
	TSS SHEET 4 SUBTOTALS				33.00		1									75																			
	TSS SHEET 5 SUBTOTALS				18.75		8									75																			
	TSS SHEET 6 SUBTOTALS				~~37.50~~	65.88	3									~~90~~	120																		
	PROJECT SUBTOTALS				~~239.53~~	305.41	16									~~480~~	510																		
	ROUNDING				5.47		-									5																			
												FT	FT	FT	FT	FT 485	FT		EA	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 245	SF	EA. 16	SF				FT			FT 485					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_53.i

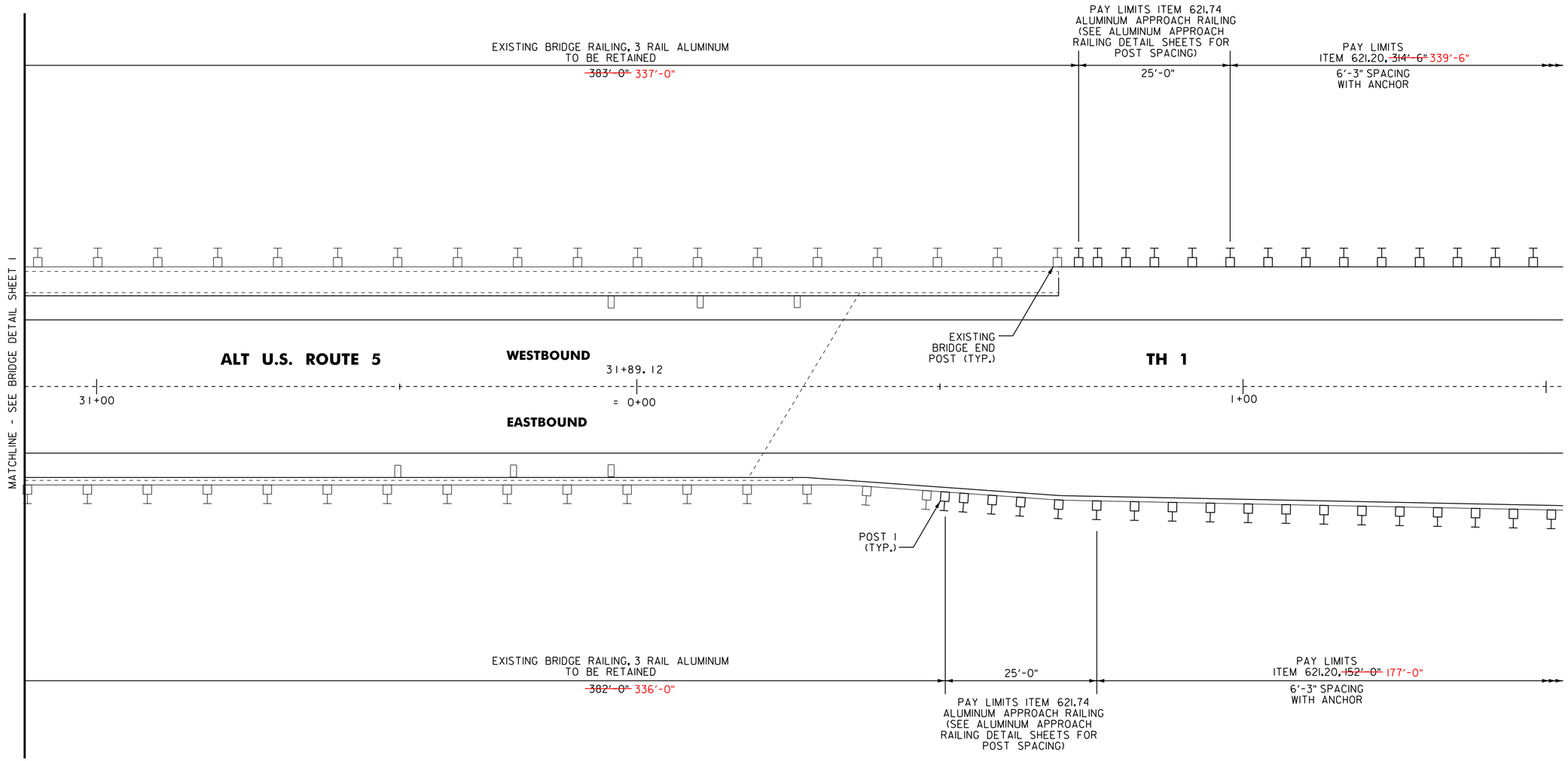
PLOT DATE: 29-JAN-2013 09:
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 53 OF 62



BR 114 ALT. U.S. ROUTE 5 MM 0.584 = STA. 30+86

NOT TO SCALE

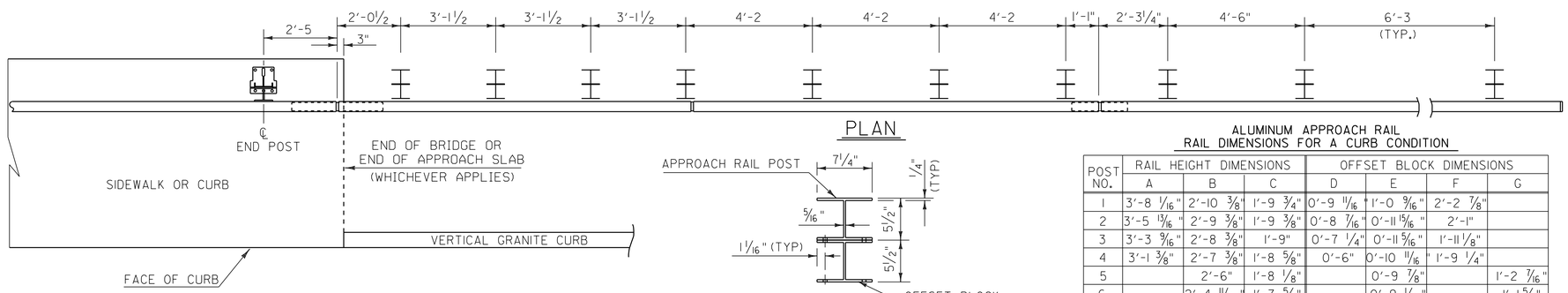
BRIDGE DETAIL SHEET NO. 1	PROJECT NAME: DERBY	
	PROJECT NUMBER: STP 2703(1)	
	FILE NAME: 07D202.dgn	PLOT DATE: 29-JAN-2013 09:2
	PROJECT LEADER: JLL	DRAWN BY: STANTEC
	DESIGNED BY: STANTEC	CHECKED BY: JLL
	IPARM FILE: 07C194_54.i	SHEET 54 OF 62



BR 114 ALT. U.S. ROUTE 5 MM 0.584 = STA. 30+86

NOT TO SCALE

BRIDGE DETAIL SHEET NO. 2	PROJECT NAME: DERBY PROJECT NUMBER: STP 2703(1)
FILE NAME: 07D202.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: 07C194_55.i	PLOT DATE: 29-JAN-2013 09:2 DRAWN BY: STANTEC CHECKED BY: JLL SHEET 55 OF 62



PLAN

PLAN

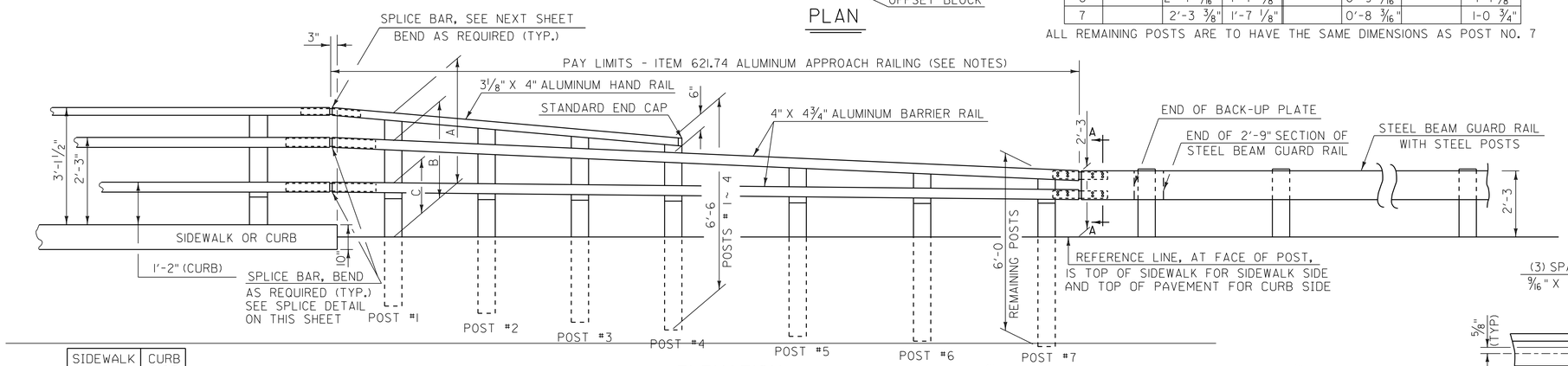
ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS			
	A	B	C	D	E	F	G
1	3'-8 1/16"	2'-10 3/8"	1'-9 3/4"	0'-9 11/16"	1'-0 9/16"	2'-2 7/8"	
2	3'-5 15/16"	2'-9 3/8"	1'-9 3/8"	0'-8 7/16"	0'-11 15/16"	2'-1"	
3	3'-3 9/16"	2'-8 3/8"	1'-9"	0'-7 1/4"	0'-11 5/16"	1'-11 1/8"	
4	3'-1 3/8"	2'-7 3/8"	1'-8 5/8"	0'-6"	0'-10 11/16"	1'-9 1/4"	
5		2'-6"	1'-8 1/8"		0'-9 7/8"		1'-2 7/16"
6		2'-4 11/16"	1'-7 5/8"		0'-9 1/16"		1'-1 5/8"
7		2'-3 3/8"	1'-7 1/8"		0'-8 3/16"		1-0 3/4"

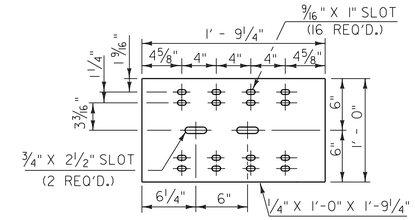
ALL REMAINING POSTS ARE TO HAVE THE SAME DIMENSIONS AS POST NO. 7

NOTES

1. POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
2. ALL STRUCTURAL STEEL SHALL BE AASHTO M270M/M270 GRADE 36 GALVANIZED AFTER FABRICATION.
3. ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
4. SEE STANDARD G-1 FOR STEEL BEAM GUARD RAIL DETAILS. SEE THIS SHEET AND THE NEXT SHEET FOR ALUMINUM BRIDGE RAILING DETAILS.
5. THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARD RAIL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 621.74, ALUMINUM APPROACH RAILING.
6. DETAILS ARE SHOWN FOR TRANSITION TO A 3 RAIL ALUMINUM BRIDGE RAILING.
7. DIMENSIONS SHOWN ARE FROM A REFERENCE LINE AT THE FACE OF POST FOR A NORMAL CROWNED SECTION. APPROPRIATE CORRECTIONS SHALL BE MADE FOR CROSS SLOPES OTHER THAN A NORMAL SECTION.

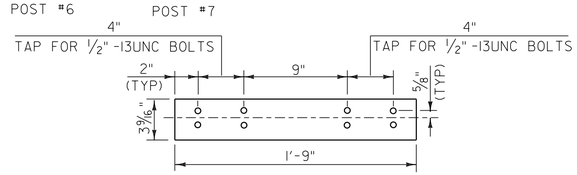


ELEVATION

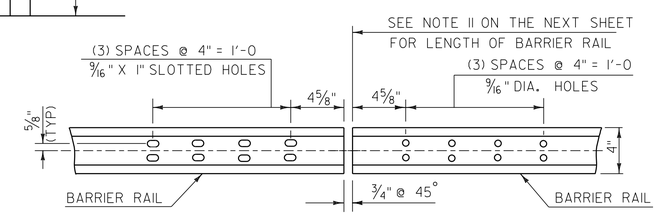


BACK-UP PLATE DETAILS

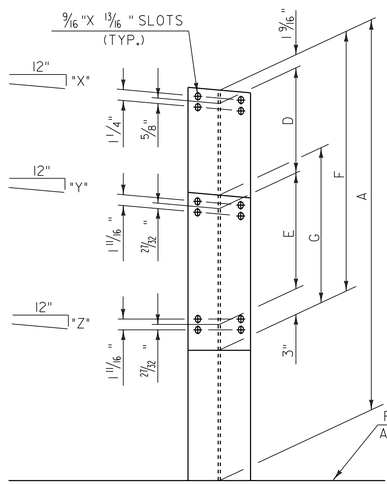
	SIDEWALK SIDE	CURB SIDE
"X"		11/16"
"Y"		5/16"
"Z"		1/8"



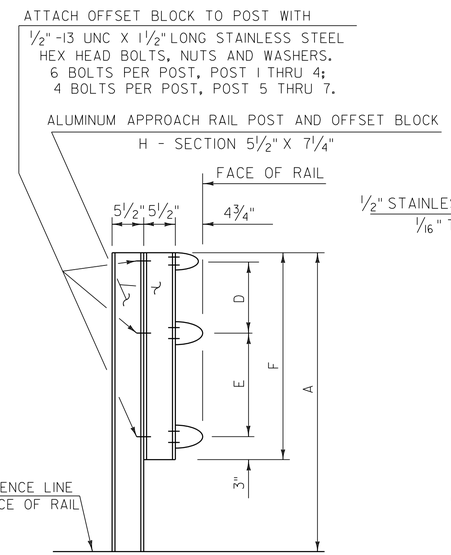
ELEVATION OF BARRIER RAIL SPLICE BAR
TO BE USED AT TRANSITION BETWEEN
APPROACH RAIL & GUARD RAIL (FROM BACK)



ELEVATION OF BARRIER RAIL (FROM BACK)
AT ALL INTERMEDIATE RAIL SPLICES

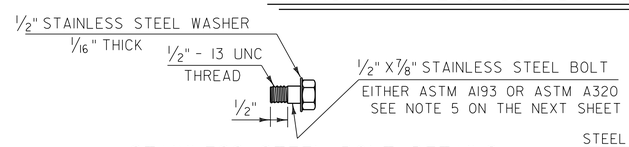


FRONT ELEVATION

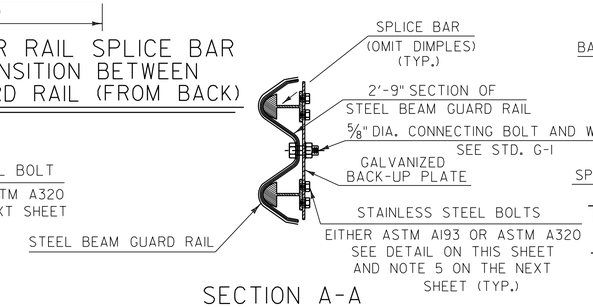


SIDE ELEVATION

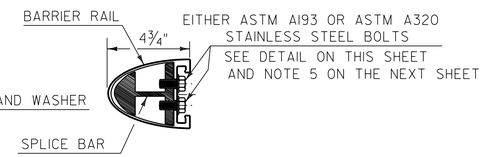
APPROACH RAIL DETAILS



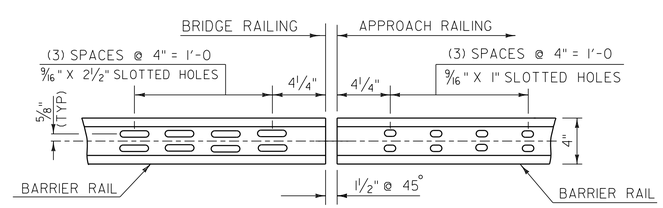
STAINLESS STEEL BOLT DETAILS



SECTION A-A



TYPICAL SECTION THROUGH
BARRIER RAIL SPLICE



ELEVATION OF BARRIER RAIL (FROM BACK)

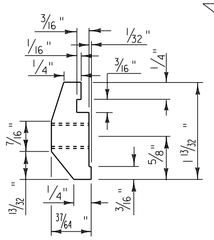
BRIDGE 114

ALUMINUM APPROACH RAILING DETAIL SHEET 1

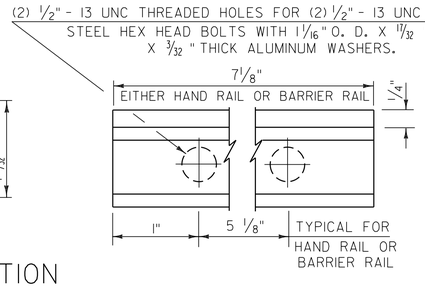
PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_56.i

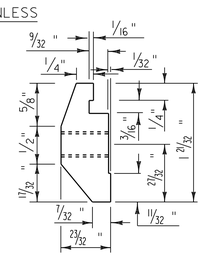
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 56 OF 62



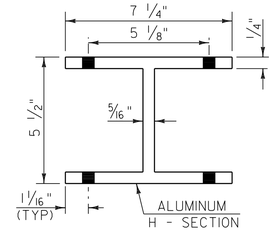
POST CONNECTION HAND RAIL SECTION



POST CONNECTION ELEVATION

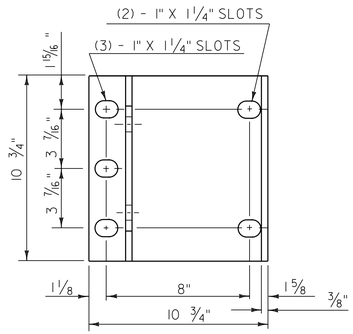


POST CONNECTION BARRIER RAIL SECTION

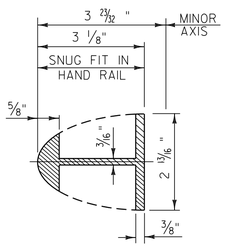


PLAN VIEW OF OFFSET BLOCK

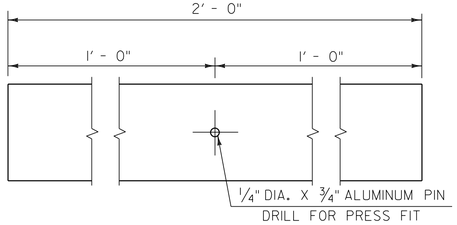
(TO BE USED ON SUPERSTRUCTURE ON CURB SIDE)



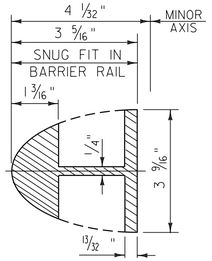
POST BASE PLAN



HAND RAIL SPLICE SECTION

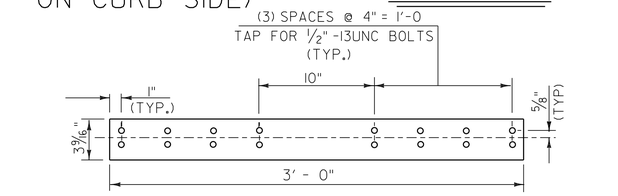


ELEVATION OF HAND RAIL SPLICE BAR

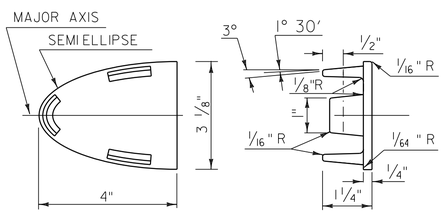


BARRIER RAIL SPLICE SECTION

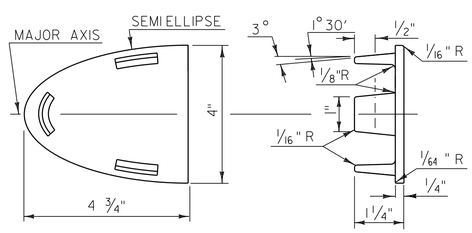
(SEE THE PREVIOUS SHEET AND THIS SHEET FOR ELEVATION OF BARRIER RAIL SPLICE BAR)



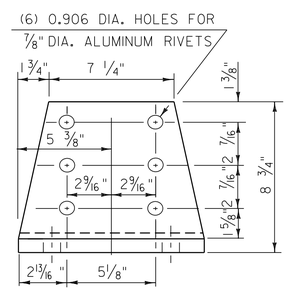
ELEVATION OF STD. BARRIER RAIL SPLICE BAR (FROM BACK)



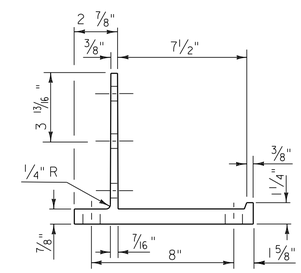
HAND RAIL END CAP



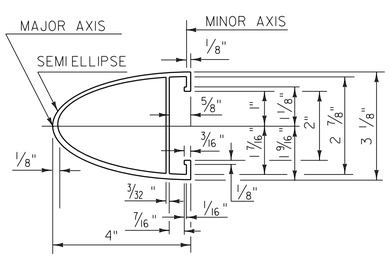
BARRIER RAIL END CAP



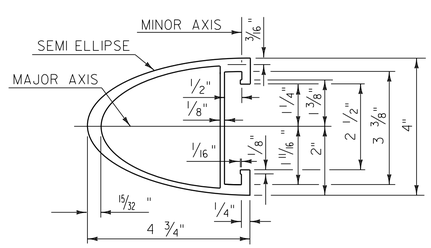
POST BASE FRONT ELEVATION



POST BASE SECTION

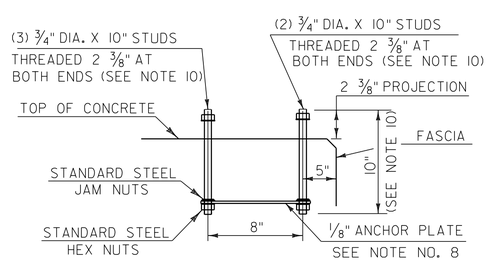


HAND RAIL SECTION

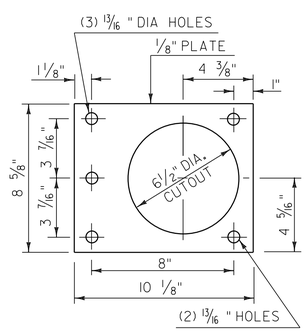


BARRIER RAIL SECTION

(SEE PREVIOUS SHEET FOR ELEVATION OF BARRIER RAIL)



POST ANCHOR ASSEMBLY



ANCHOR PLATE

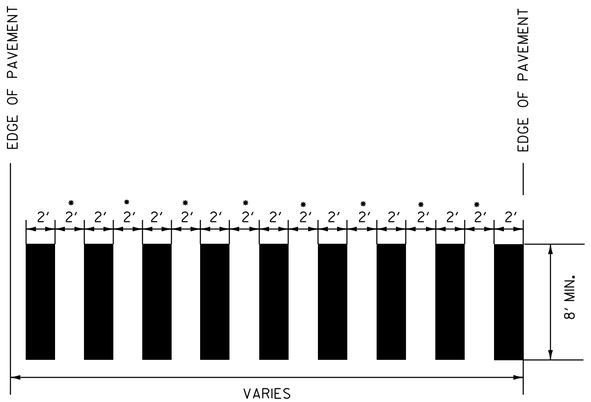
NOTES

1. ANCHOR BOLTS, WASHERS AND HEAVY HEX NUTS MAY BE ANY OF THE FOLLOWING:
   A. ASTM A449 GALVANIZED, OR
   B. AASHTO M164 (ASTM A325) GALVANIZED
   C. BOLTS AND WASHERS OF STAINLESS STEEL ASTM A276, TYPE 304 (MINIMUM ULTIMATE STRENGTH OF 100,000 PSI) WITH STAINLESS STEEL NUTS OF ASTM A194, GRADE 8NA.
2. ALUMINUM POSTS, POST BASES, SPLICE BARS, CONNECTION BARS, RAILS AND BALUSTER FRAMES SHALL CONFORM TO ASTM B221 ALLOY 6061-T6 OR ALLOY 6351-T5. MINIMUM ALLOWABLE STRESS F_y = 35,000 PSI.
3. ALUMINUM BALUSTER TUBES SHALL CONFORM TO ASTM B210 ALLOY 6061-T5 OR 6063-T5.
4. ALUMINUM RAIL END CAPS SHALL CONFORM TO ASTM B26 ALLOY 356-T6.
5. THE POST, RAIL, AND OFFSET BLOCK CONNECTION BOLTS SHALL BE EITHER ASTM A193 OR ASTM A320. EITHER ONE SHALL BE CLASS 1, B8 GRADE AISI 304 WITH AN ULTIMATE TENSILE STRENGTH OF 75,000 PSI. NUTS FOR EITHER OF THE ABOVE BOLTS SHALL BE ASTM A194, GRADE 8, STAINLESS STEEL WITH AN ULTIMATE TENSILE STRENGTH OF 75,000 PSI.
6. SET SCREWS FOR ATTACHING BALUSTERS TO RAILING SHALL BE ASTM F880, TYPE 303 MATERIAL.
7. RIVETS SHALL BE COLD DRIVEN HIGH BUTTON HEAD "CONE POINT", CONFORMING TO ASTM B316 ALLOY 6061-T6.
8. THE ANCHOR PLATE FOR THE POST ANCHOR ASSEMBLY SHALL BE ASTM A36 STRUCTURAL STEEL.
9. WELDING SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 506.10 USING THE GMAW-INERT GAS PROCESS AND AWS ER 5356 ELECTRODE WIRE.
10. UNLESS OTHERWISE SPECIFIED, ANCHOR BOLTS SHALL BE CAST INTO THE CONCRETE AS DETAILED.
11. WHENEVER FEASIBLE BARRIER RAIL AND HAND RAIL SECTIONS, SHALL BE FULL LENGTH SECTIONS (40' ±) AND WHEN POSSIBLE SHALL BE ATTACHED TO THREE POSTS. RAILS SHALL BE SPLICED AT EACH DECK JOINT AND INTERMITTENTLY AS REQUIRED. SPLICES SHALL OCCUR WITHIN THE SAME PANEL.
12. ENDS OF RAILS SHALL BE CUT SQUARE AND GROUND FREE OF BURRS OR RAGGED EDGES. EXPOSED ENDS SHALL BE CAPPED.
13. THE CONCRETE CONTACT SURFACE AT THE POST BASE SHALL BE BUSH HAMMERED AND/OR SHIMMED AS REQUIRED FOR PROPER POST ALIGNMENT. POST HEIGHT ADJUSTMENTS LESS THAN 1/4" SHALL BE WITH 1/16" AND 1/8" SHIMS. CORRECTIONS EXCEEDING 1/4" SHALL BE WITH EPOXY MORTAR CONFORMING WITH SECTION 524. FABRIC BEARING PADS AND ANY REQUIRED SHIMS OR EPOXY MORTAR ARE INCLUDED IN THE UNIT PRICE BID FOR THE RAILING.
14. SHIMS AND 1/8" FABRIC BEARING PADS SHALL BE 10 3/4" SQUARE WITH SLOTTED HOLES SIZED AND LOCATED THE SAME AS THE POST BASE DETAIL. FABRIC BEARING PADS SHALL CONFORM TO SUBSECTION 731.01 OR 731.02, SHIM MATERIAL SHALL BE ASTM B 209 ALLOY 1100-0.
15. EXTRUDED SECTIONS ARE DETAILED TO COMPLY WITH CURRENT AASHTO-AGC-ARTBA STANDARDS. MINOR VARIATIONS OF THE DETAILS SHOWN MAY BE CONSIDERED PROVIDING THEY DO NOT REDUCE THE STRENGTH CAPACITY OF THE RAIL SYSTEM.
16. ALUMINUM WASHERS SHALL BE ASTM B209 ALLOY ACLAD 2024-T4.

BRIDGE 114

ALUMINUM APPROACH RAILING DETAIL SHEET 2

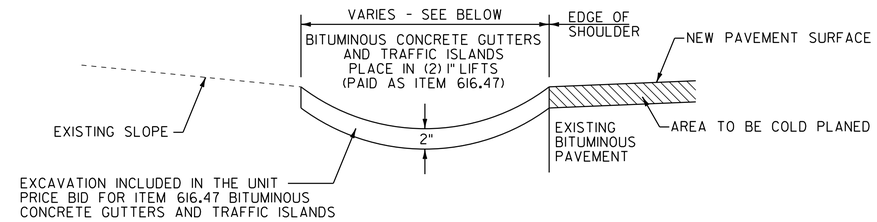
PROJECT NAME: DERBY	
PROJECT NUMBER: STP 2703(1)	
FILE NAME: 07D202.dgn	PLOT DATE: 29-JAN-2013 09:2
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: JLL
IPARM FILE: 07C194_57.i	SHEET 57 OF 62



• ADJUST SPACING (12''-24'') TO AVOID WHEEL PATHS

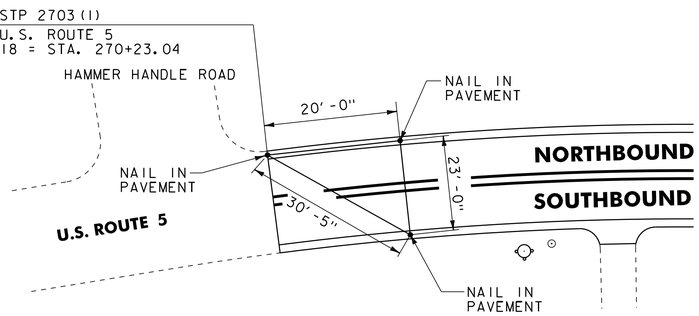
BLOCK PATTERN CROSSWALK DETAIL

SEE LAYOUT SHEETS FOR LOCATIONS.
ALL BLOCK PATTERN CROSS WALKS SHALL BE
INSTALLED PARALLEL WITH WHEEL PATHS.

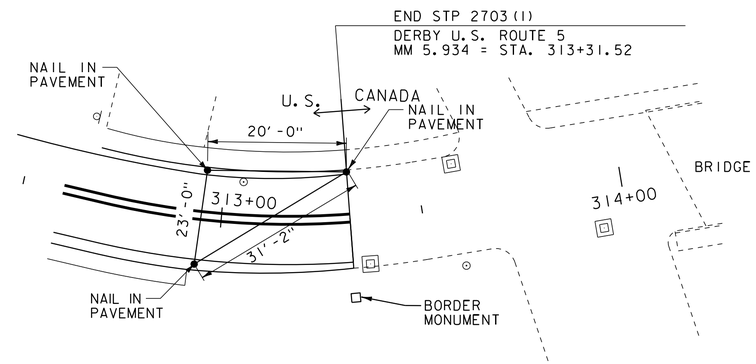


BITUMINOUS CONCRETE GUTTER DETAIL

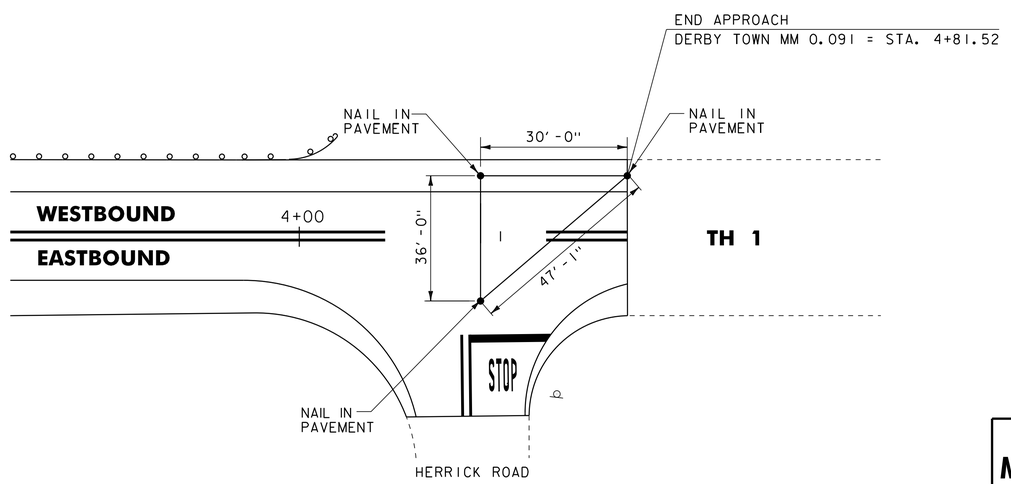
ALT. U.S. ROUTE 5 STA. 8+95 TO 9+74, LT (4' WIDE)



U.S. ROUTE 5 BEGIN PROJECT LOCATION TIES



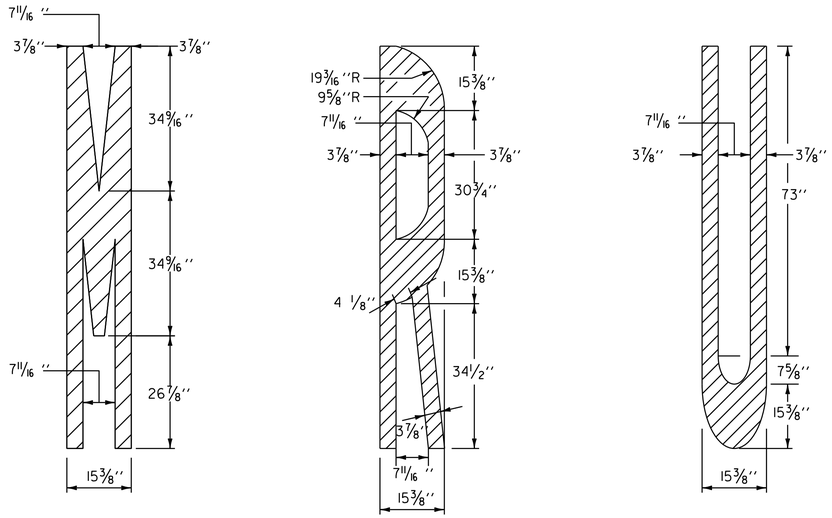
U.S. ROUTE 5 END PROJECT LOCATION TIES



TH 1 END APPROACH LOCATION TIES

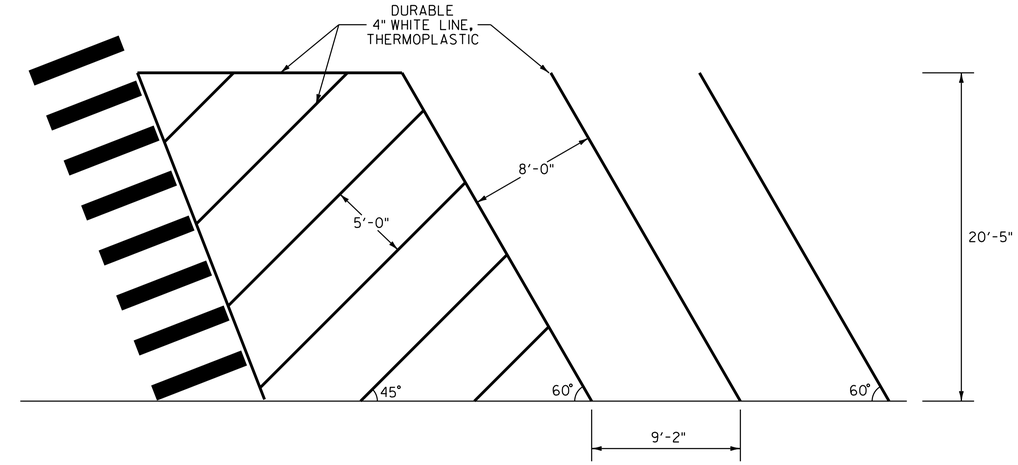
NOT TO SCALE

MISCELLANEOUS DETAIL SHEET	PROJECT NAME: DERBY PROJECT NUMBER: STP 2703(1)	
	FILE NAME: 07D202.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: 07C194_58.i	PLOT DATE: 29-JAN-2013 09:2 DRAWN BY: STANTEC CHECKED BY: JLL SHEET 58 OF 62



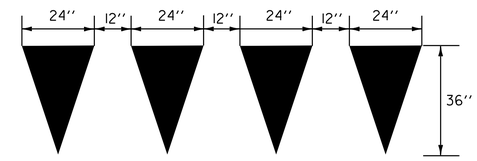
PAVEMENT MARKING LETTER DETAILS

SEE VAOT STANDARD E-191 FOR MORE INFORMATION



TYPICAL ANGLED PARKING PAVEMENT MARKING DETAIL

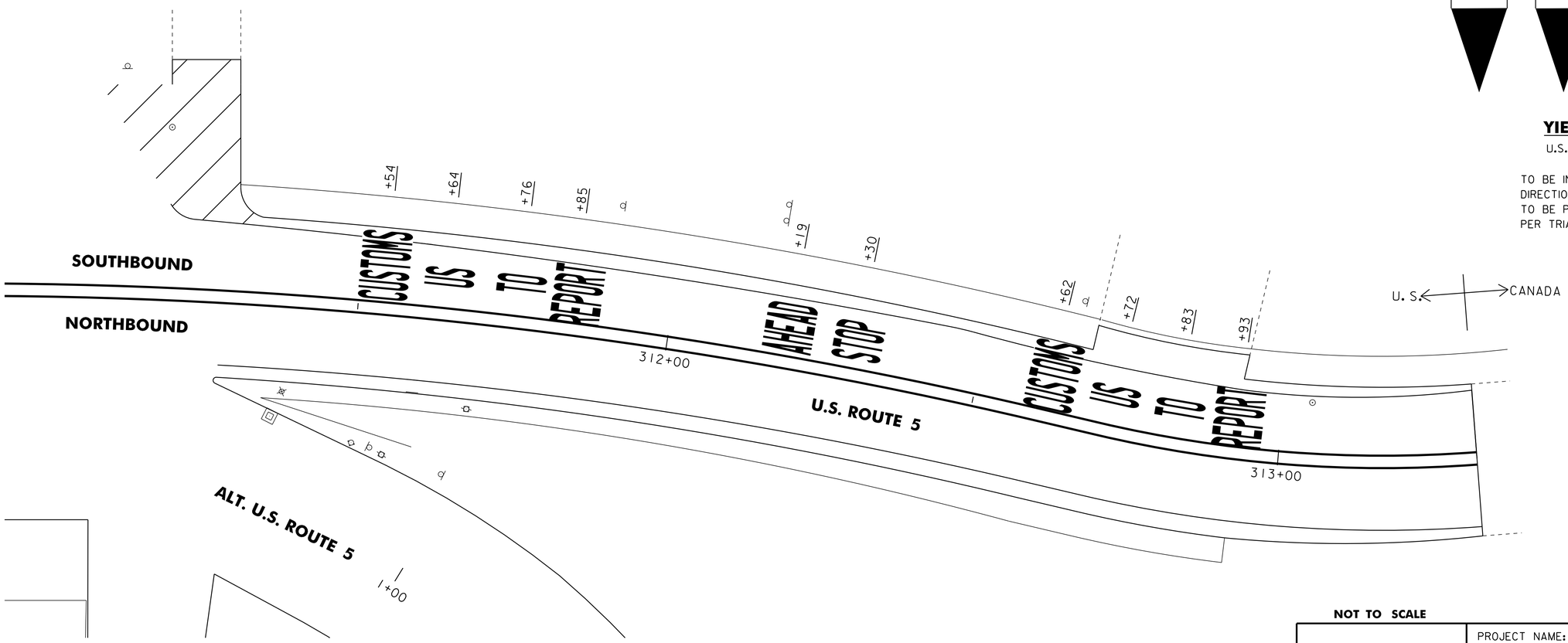
SEE LAYOUT SHEETS FOR LOCATIONS



YIELD LINE DETAILS

U.S. ROUTE 5 STA. 301+58, LT

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



DURABLE LETTER OR SYMBOL, THERMOPLASTIC LAYOUT DETAIL – U.S. ROUTE 5

SEE LAYOUT SHEET #8 FOR ADDITIONAL INFORMATION

NOT TO SCALE

PAVEMENT MARKING DETAIL SHEET

PROJECT NAME: DERBY	
PROJECT NUMBER: STP 2703(1)	
FILE NAME: 07D202.dgn	PLOT DATE: 29-JAN-2013 09:2
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: JLL
IPARM FILE: 07C194_59.i	SHEET 59 OF 62

REHAB. DI'S, CB'S or MH'S, CLASS I, II, III

(ITEM 604.412, 604.415 OR 604.418)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 5		
282+29	RT	DI
290+70	RT	DI
292+59	LT	DI
293+25	RT	DI
295+09	LT	MH
302+19	RT	DI
303+34	RT	DI
306+26	LT	DI
306+54	RT	DI
307+17	LT	DI
307+63	RT	DI
308+67	LT	DI
308+91	RT	DI
309+41	LT	DI
310+09	RT	DI
311+09	LT	DI
ALT. U.S. ROUTE 5		
0+47	C/L	DI
0+58	RT	DI
0+64	RT	DI
0+70	LT	DI
1+20	RT	DI
3+64	LT	DI
3+83	RT	DI
4+86	LT	DI
7+02	RT	DI
7+11	LT	DI
8+72	RT	DI
11+85	RT	DI
12+27	RT	DI
18+65	RT	DI
18+81	RT	DI
18+96	LT	DI
19+19	RT	DI

CHANGING ELEVATION OF SEWER MANHOLES

(ITEM 604.42)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 5		
279+49	RT	SMH
282+27	LT	SMH
282+38	RT	SMH
284+01	LT	SMH
289+46	LT	SMH
292+37	LT	SMH
295+03	RT	SMH
295+33	LT	SMH
298+31	LT	SMH
301+35	LT	SMH
305+87	LT	SMH
306+06	RT	SMH
307+96	LT	SMH
307+97	RT	SMH
311+19	LT	SMH
313+05	LT	SMH
ALT. U.S. ROUTE 5		
0+49	RT	SMH
1+54	C/L	SMH
2+15	C/L	SMH
3+69	RT	SMH
3+78	LT	SMH
4+01	RT	SMH
5+42	RT	SMH
9+94	RT	SMH
11+87	RT	SMH
23+74	RT	SMH

ADJUST ELEVATION OF VALVE BOX

(ITEM 629.20)

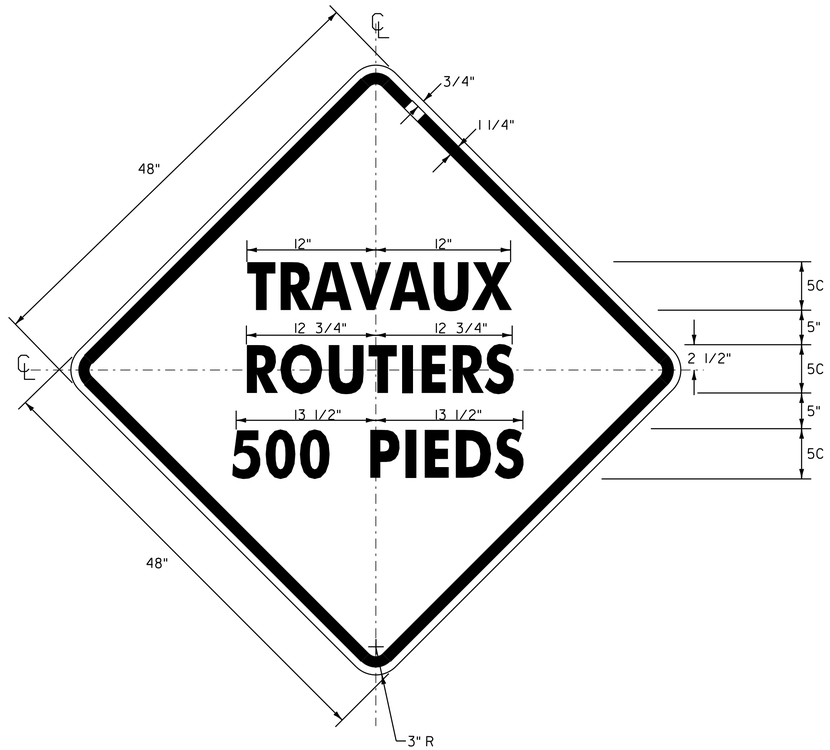
STATION	POSITION	DESCRIPTION
U.S. ROUTE 5		
281+91	RT	WSO
284+08	RT	WSO
295+04	RT	WSO
295+09	RT	WSO
295+11	RT	WSO
296+40	LT	WSO
307+54	RT	WSO
307+67	RT	WSO
307+69	RT	WSO
308+68	RT	WSO
308+96	RT	WSO
ALT. U.S. ROUTE 5		
5+55	RT	WSO
23+82	LT	WSO
23+82	RT	WSO

STRUCTURE LOCATIONS SHEET

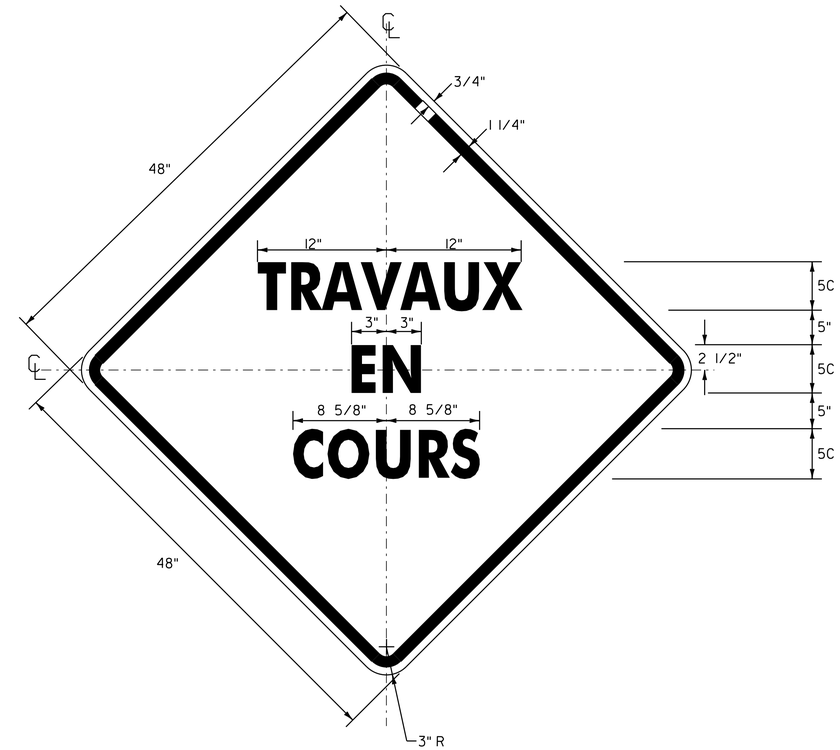
PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: 07C194_60.i

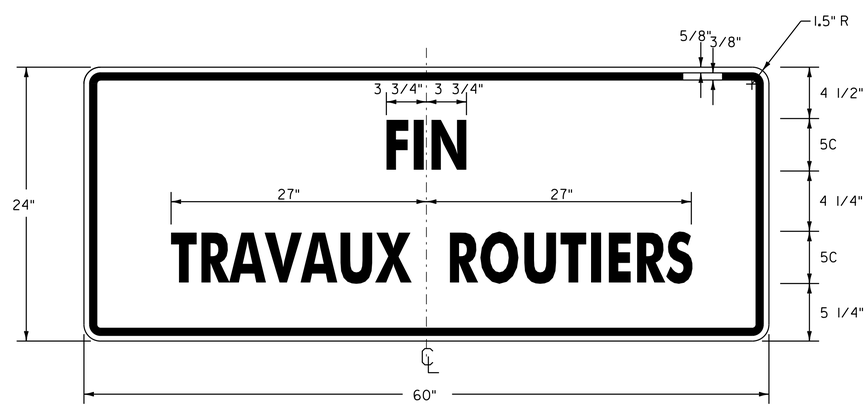
PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 60 OF 62



SEE NOTES ON TEMPORARY TRAFFIC CONTROL PLAN FOR COLORS & MATERIALS (ENGLISH EQUIVALENT: ROAD WORK 500 FT)



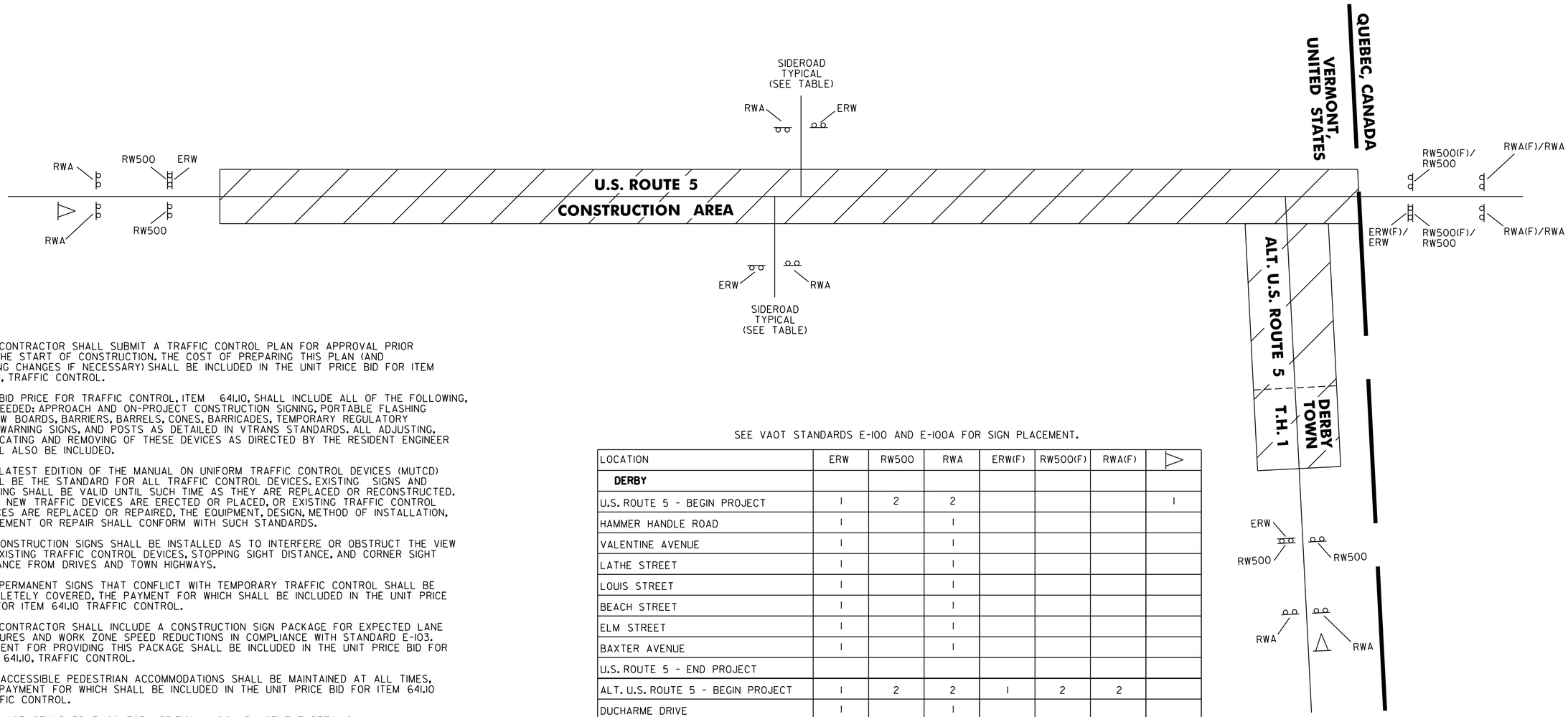
SEE NOTES ON TEMPORARY TRAFFIC CONTROL PLAN FOR COLORS & MATERIALS (ENGLISH EQUIVALENT: ROAD WORK AHEAD)



SEE NOTES ON TEMPORARY TRAFFIC CONTROL PLAN FOR COLORS & MATERIALS (ENGLISH EQUIVALENT: END ROAD WORK)

NOT TO SCALE

FRENCH CONSTRUCTION SIGN DETAIL SHEET	PROJECT NAME: DERBY PROJECT NUMBER: STP 2703(1)
FILE NAME: 07D202.dgn PROJECT LEADER: JLL DESIGNED BY: MCF IPARM FILE: 07C194_61.i	PLOT DATE: 29-JAN-2013 09:2 DRAWN BY: STANTEC CHECKED BY: JLL SHEET 61 OF 62



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 BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
2. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED.
3. THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKING SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC 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.
4. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.
5. ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
6. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
7. ADA ACCESSIBLE PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED AT ALL TIMES, THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.
8. SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
9. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
10. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
11. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
12. RETROREFLECTIVE SHEETING SHALL BE TYPE III OR VIII AS NOTED ON VAOT STANDARD E-100 AND IN THE SPECIAL PROVISIONS.
13. CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.
14. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS IS ABOVE THE TOP OF GUARDRAIL.
15. AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
16. CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
17. PERMISSION MUST BE OBTAINED PRIOR TO PLACING CONSTRUCTION SIGNING IN CANADA. FOR THE APPROPRIATE PERMISSION AND PROTOCOL CONTACT: MR. MARC BOUCHARD AT CENTRE DE SERVICE DE SHERBROOKE ET COORDINATION TERRITORIALE DE L'EXPLOITATION, DIRECTION DE L'ESTRIE, 125 CHEMIN GEORGES-VALLIERES, SHERBROOKE (QUEBEC), J1H 0B7, (819) 562-2693 POSTE: 234.
18. THE FRENCH CONSTRUCTION APPROACH SIGNING WILL BE INSTALLED ABOVE THE ENGLISH SIGNS AS DIRECTED BY THE RESIDENT ENGINEER.
19. SEE FRENCH CONSTRUCTION SIGN DETAIL SHEET FOR FRENCH SIGN DETAILS AND THEIR ENGLISH EQUIVALENT.

SEE VAOT STANDARDS E-100 AND E-100A FOR SIGN PLACEMENT.

LOCATION	ERW	RW500	RWA	ERW(F)	RW500(F)	RWA(F)	▷
DERBY							
U.S. ROUTE 5 - BEGIN PROJECT	1	2	2				1
HAMMER HANDLE ROAD	1		1				
VALENTINE AVENUE	1		1				
LATHE STREET	1		1				
LOUIS STREET	1		1				
BEACH STREET	1		1				
ELM STREET	1		1				
BAXTER AVENUE	1		1				
U.S. ROUTE 5 - END PROJECT							
ALT. U.S. ROUTE 5 - BEGIN PROJECT	1	2	2	1	2	2	
DUCHARME DRIVE	1		1				
CHURCH STREET	1		1				
PELOW HILL	1		1				
LEE STREET	1		1				
HIGHLAND AVENUE	1		1				
PHELPS STREET	1		1				
MAPLE STREET	1		1				
I-91 SB ON/OFF RAMP	1						
DERBY TOWN							
I-91 NB ON/OFF RAMP	1		1				
HERRICK ROAD	1		1				
T.H. 1 - END PROJECT	1	2	2				1
TOTALS	20	6	22	1	2	2	2

LEGEND

ERW	= END ROAD WORK
RW500	= ROAD WORK 500 FT
RWA	= ROAD WORK AHEAD
SRWA	= SIDE ROAD WORK AHEAD
SRW500	= SIDE ROAD WORK 500 FT
ERW(F)	= END ROAD WORK (FRENCH)
RW500(F)	= ROAD WORK 500 FT (FRENCH)
RWA(F)	= ROAD WORK AHEAD (FRENCH)
▷	= PORTABLE CHANGEABLE MESSAGE SIGN

NOT TO SCALE

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME: DERBY
PROJECT NUMBER: STP 2703(1)

FILE NAME: 07D202.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
IPARM FILE: 07C194_62.i

PLOT DATE: 29-JAN-2013 09:2
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 62 OF 62