STATE OF VERMONT
AGENCY OF TRANSPORTATION

INDEX OF SHEETS

1	TITLE SHEET
2-4	PROJECT TYPICAL SHEETS 1-3
5-7	QUANTITY SHEETS 1-3
8-11	ITEM DETAIL SUMMARY SHEETS 1-4
12	DRIVE DETAIL SHEET
13	CULVERT & STRUCTURE INVENTORY SHEET
14	GUARDRAIL DETAIL SHEET
15	CENTERLINE RUMBLE STRIP DETAIL SHEET
16-17	MISCELLANEOUS DETAIL SHEETS 1-2
18	DITCH CLEANING DETAIL SHEET
19-83	PROJECT LAYOUT SHEETS 1-65
84-111	TRAFFIC SIGN SUMMARY SHEETS 1-28
112-119	TRAFFIC SIGN DETAIL SHEETS 1-8
120	TRAFFIC SIGNAL SYSTEMS SHEET
121	CONSTRUCTION APPROACH SIGNING SHEET

VAOT STANDARDS

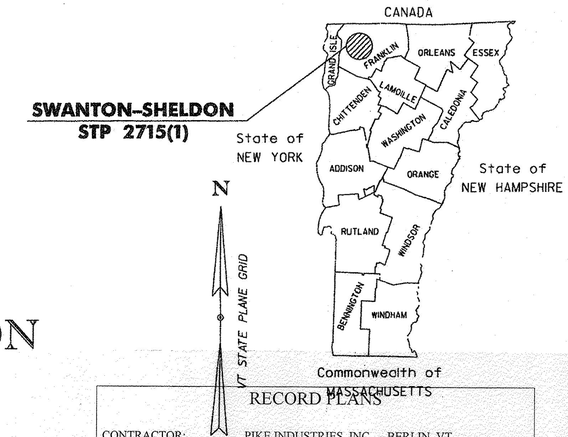
B-71	07-08-05	E-152	05-01-04
C-3A	03-10-08	E-153	05-01-04
C-10	02-11-08	E-154	05-01-04
D-3	06-01-94	E-162	05-20-99
D-6	06-01-94	E-163	05-20-99
D-8	01-03-00	E-191	02-01-99
D-15	06-01-94	E-192	10-12-00
D-16	06-01-94	E-193	08-18-95
D-30	08-13-07	G-1	02-10-14
E-121	08-08-95	G-1d	02-10-14
E-123	03-16-04	G-19	11-15-02
E-127	08-08-95	J-3	08-07-95
E-136B	08-08-95	T-1	08-06-12
E-138	05-30-03	T-10	08-06-12
E-140	08-30-96	T-17	08-06-12
E-141	09-20-95	T-24	08-06-12
E-142	09-20-95	T-28	08-06-12
E-143	06-15-04	T-29	08-06-12
E-144	03-29-99	T-30	08-06-12
E-145A	12-23-94	T-31	08-06-12
E-145B	12-23-94	T-35	08-06-12
E-146	09-20-95	T-36	08-06-12
E-150	05-01-04	T-45	01-02-13
E-151	05-01-04		

PROPOSED IMPROVEMENT
TOWNS OF SWANTON, HIGHGATE AND SHELDON
COUNTY OF FRANKLIN
VT ROUTE 78 (MAJOR COLLECTOR)

BEGINNING IN THE TOWN OF SWANTON ON VT ROUTE 78 AT STA. 389+87.52 (MM 7.384) AND CONTINUING EASTERLY ALONG VT ROUTE 78 FOR A DISTANCE OF APPROXIMATELY 54,309.83 FEET (10.286 MILES) TO STA. 95+19.84 (MM 1.803) IN THE TOWN OF SHELDON.

TOWN OF SWANTON	LENGTH (FEET)	LENGTH (MILES)
VT ROUTE 78		
STA. 389+87.52 TO STA. 429+58.08	3,970.56	
MM 7.384 TO MM 8.136		0.752
TOWN OF HIGHGATE		
VT ROUTE 78		
STA. 0+00.00 TO STA. 408+19.43	40,819.43	
MM 0.000 TO MM 7.731		7.731
TOWN OF SHELDON		
VT ROUTE 78		
STA. 0+00.00 TO STA. 95+19.84	9,519.84	
MM 0.000 TO MM 1.803		1.803
TOTAL LENGTH OF PROJECT:	54,309.83	10.286
TOTAL LENGTH OF ROADWAY:	54,309.83	10.286

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING AND WEARING COURSE. NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS, VEHICLE STOP BAR DETECTION, SHOULDER WIDENING AND OTHER RELATED HIGHWAY ITEMS.



RECORD PLANS

CONTRACTOR:	PIKE INDUSTRIES, INC. – BERLIN, VT
RESIDENT ENGINEER:	CHRIS ACHILLES
CONSTRUCTION BEGAN:	AUGUST 20, 2014
CONSTRUCTION COMPLETE:	JULY 16, 2015
RECORD PLANS BY:	CHRIS ACHILLES & KEVIN KING

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

BY _____ RESIDENT ENGINEER Chris Achilles

DATE 10/31/17

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found by contacting Vtrans Records Management.

TRAFFIC DATA

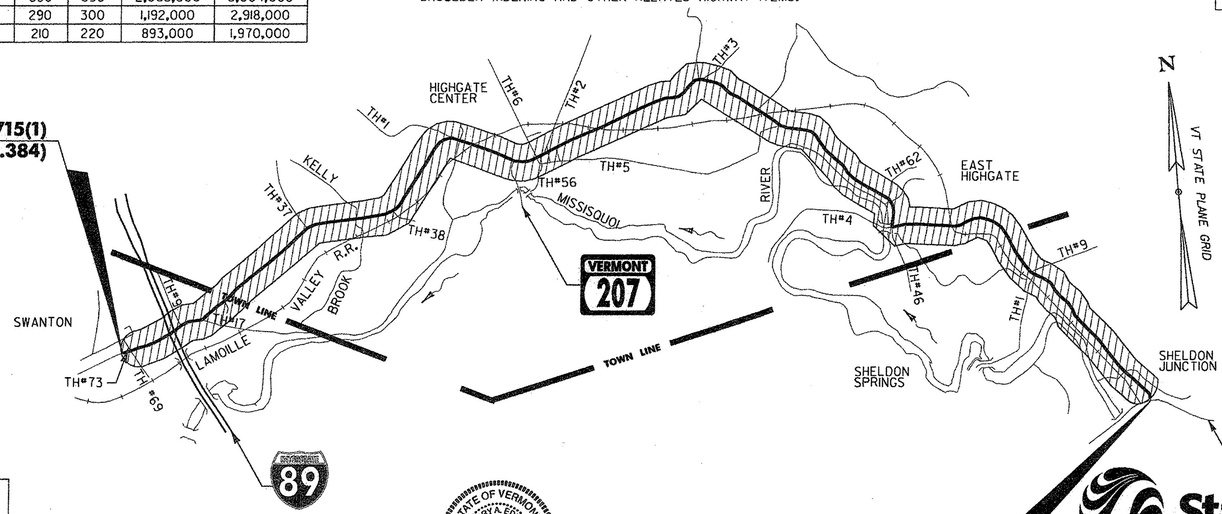
VT ROUTE 78

LOCATION	AADT 2014	AADT 2024	DHV 2014	DHV 2024	ESALS 2014-2024	ESALS 2014-2034
BEGIN PROJECT TO I-89 EXIT 21 RAMPS A/B	12100	12500	1300	1300	5,210,000	11,364,000
EXIT 21 RAMPS A/B TO EXIT 21 RAMPS C/D	8900	9200	940	970	3,331,000	7,673,000
EXIT 21 RAMPS C/D TO TORRIE ROAD	6900	7100	730	750	2,796,000	6,803,000
TORRIE ROAD TO CARTER HILL ROAD	3300	3400	390	400	1,347,000	3,290,000
CARTER HILL ROAD TO HIGHGATE FALLS ROAD	4200	4400	470	500	1,257,000	2,754,000
HIGHGATE FALLS ROAD (VT 207S) TO GORE ROAD (VT 207N)	6000	6100	680	690	2,063,000	5,004,000
GORE ROAD (VT 207N) TO FRANKLIN ROAD	2400	2500	290	300	1,192,000	2,918,000
FRANKLIN ROAD TO END PROJECT	1700	1800	210	220	893,000	1,970,000

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	2,502,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SUBSECTION 490.03(b)

BEGIN SWANTON-SHELDON STP 2715(1)
SWANTON STA. 389+87.52 (MM 7.384)



END SWANTON-SHELDON STP 2715(1)
SHELDON STA. 95+19.84 (MM 1.803)

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARDRAIL
RAILROAD
SURVEY LINE
CULVERT
UTILITY POLE
TREES
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS (SR SR SR)
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. 5642
REGISTERED PROFESSIONAL ENGINEER
4-25-2014

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 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 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".

NOT TO SCALE

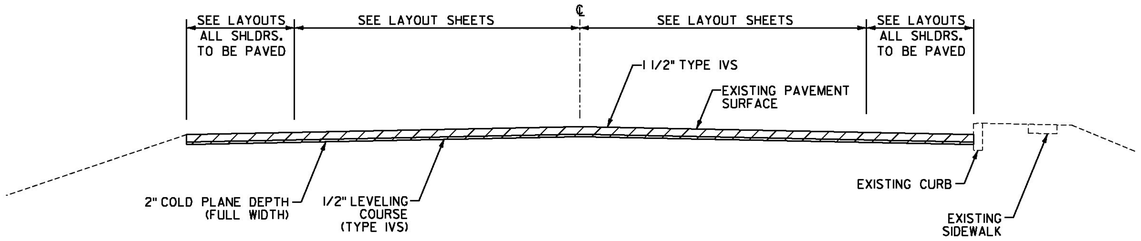
DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 4/28/14

PROJECT MANAGER: JONATHAN C. HARRINGTON, P.E.

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

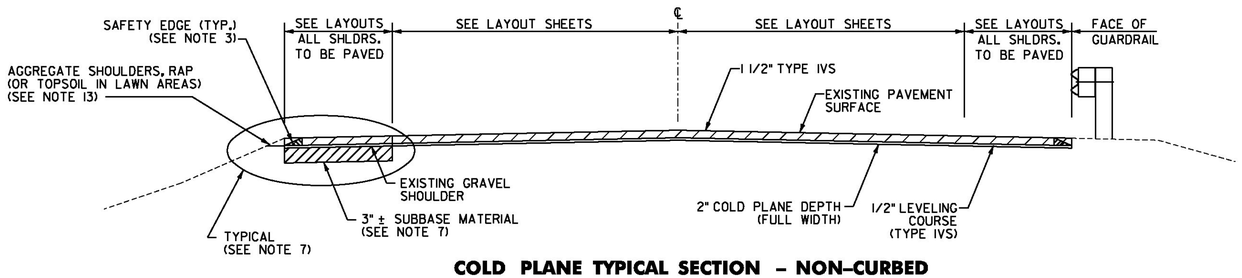
SHEET 1 OF 121 SHEETS

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



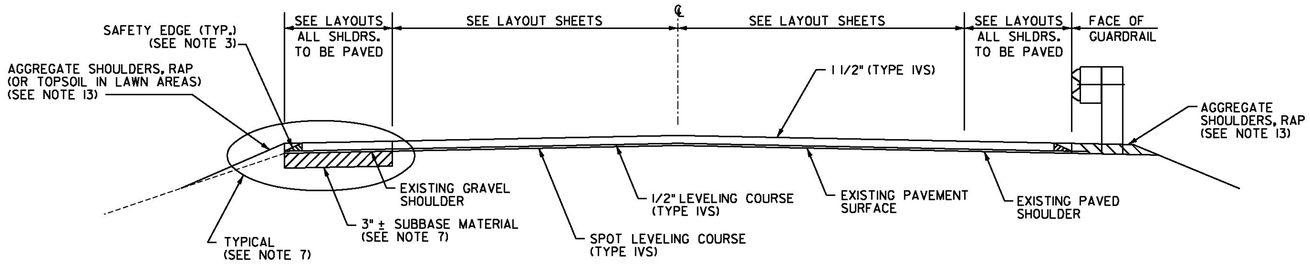
COLD PLANE TYPICAL SECTION – CURBED

SWANTON STA. 389+87.52 TO 392+04.90



COLD PLANE TYPICAL SECTION – NON-CURBED

SWANTON STA. 392+04.90 TO 414+25.00
HIGHGATE STA. 156+28.00 TO 189+00.00



OVERLAY TYPICAL SECTION

SWANTON STA. 414+25.00 TO 429+58.08
HIGHGATE STA. 0+00 TO 156+28.00
HIGHGATE STA. 189+00.00 TO 408+19.43
SHELDON STA. 0+00 TO 95+19.84

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE SPOT LEVELING AND ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ± 1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
3. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE ENGINEER. SEE DETAIL ON SHEET 4.
4. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES. ALL COLD PLANED SURFACES SHALL HAVE AN APPLICATION RATE OF 0.08 GAL/SY OF CRS-1H OR RS-1H. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL OTHER PAVED SURFACES AT THE RATE OF 0.025 TO 0.040 GAL/SY OF CRS-1H OR RS-1H. ALL EMULSIFIED ASPHALT WILL BE PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H).
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 SHEET 3.
6. ALL COLD PLANE SURFACES SHALL HAVE SURFACE PREPARATION BEFORE PAVING CONSISTING OF POTHOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH. THIS WILL BE PAID UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I) SEE DETAIL ON SHEET 17.
7. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE, SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE ENGINEER.

   EXCAVATION WILL BE PAID FOR AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

   MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED AS DIRECTED BY THE ENGINEER.

   EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM PROJECT, AS DIRECTED BY THE ENGINEER.
8. ALL PUBLIC OR PRIVATE DRIVES SHALL RECEIVE A MINIMUM 4' PAVED APRON, 2' FOR FIELD DRIVES, PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE 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.
9. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES FROM THE AGENCY'S APPROVED PRODUCT LIST.
10. 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 ENGINEER.
11. QUANTITIES FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I AND ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II, HAVE BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.412 AND 604.415 FOR ESTIMATING PURPOSES.
12. A 3' - 7" BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH SIX FOOT POSTS. IF THIS CANNOT BE OBTAINED THEN EIGHT FOOT POSTS SHALL BE USED. PAYMENT WILL BE MADE UNDER ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED AND ITEM 621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS. BE ADVISED THAT STANDARDS G-1 AND G-1D ARE CURRENTLY BEING REVISED TO SHOW A NEW GUARDRAIL HEIGHT OF 29".
13. ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP EDGES OF PAVEMENT.
14. AN ESTIMATED QUANTITY OF ITEM 608.15, POWER GRADER RENTAL HAS BEEN INCLUDED FOR THE EXCAVATION OF UNPAVED SHOULDERS AND REMOVING BUILT UP, SAND, ETC. ADJACENT TO THE SHOULDERS IN NON GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
15. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREA. THE AMOUNT OF 25 CUBIC YARDS OF EARTH BORROW HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE TO BE USED AS DIRECTED BY THE ENGINEER.

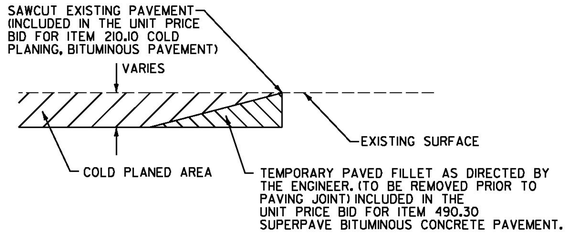
NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET #1

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 2 OF 121



DETAIL AT VERTICAL COLD PLANE JOINTS

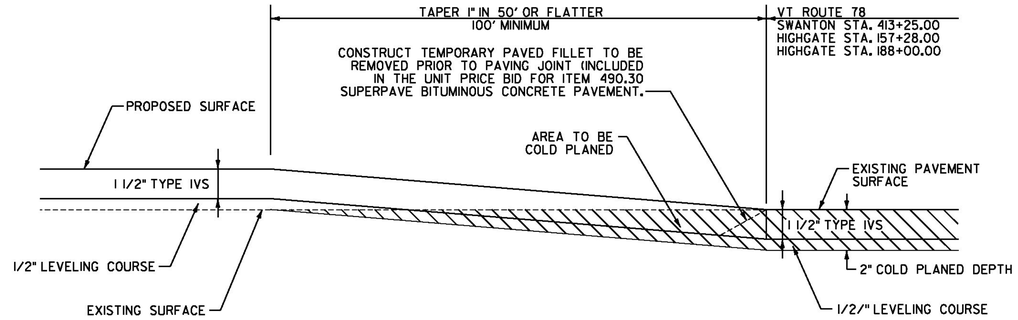
NOTE: THIS DETAIL SHALL BE USED AT THE LOCATIONS LISTED BELOW AS DIRECTED BY THE ENGINEER.

FULL ROADWAY WIDTH

SWANTON: STA. 389+87.52 (BEGIN PROJECT)

SWANTON SIDE ROADS:
STA. 391+53, LT (MISSISQUOI STREET) (TH-73)
STA. 391+53, RT (ROBIN HOOD DRIVE) (TH-69)
STA. 399+89, LT (RAMP B)
STA. 399+89, RT (RAMP A)
STA. 405+37, LT (RAMP D)
STA. 405+37, RT (RAMP C)
STA. 406+97, LT (FRONTAGE ROAD) (TH-9)

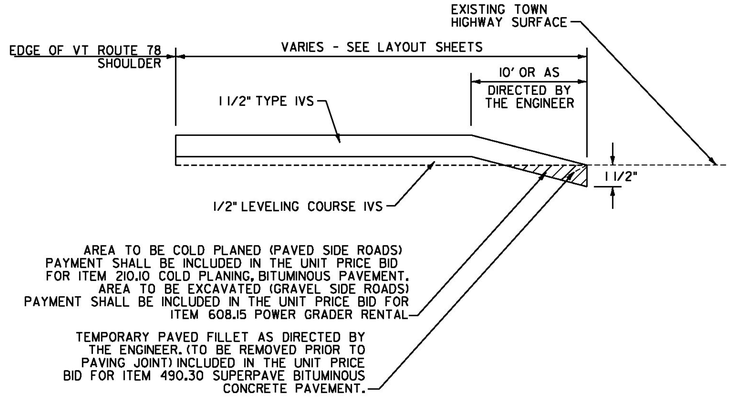
HIGHGATE SIDE ROADS:
STA. 162+33, RT (MILL HILL ROAD) (TH-64)
STA. 162+36, LT (ST ARMAND ROAD) (TH-6)
STA. 163+75, RT (MILL HILL) (TH-56)
STA. 166+51, LT (VT ROUTE 207, GORE ROAD) (TH-2)
STA. 167+19, RT (DECATUR STREET) (TH-21)
STA. 171+12, RT (CROSS STREET) (TH-31)



TRANSITION AREA DETAIL (LEVELING AND OVERLAY TO COLD PLANE)

FULL ROADWAY WIDTH

SWANTON STA. 413+25.00 TO 414+25.00
HIGHGATE STA. 156+28.00 TO 157+28.00
HIGHGATE STA. 188+00.00 TO 189+00.00

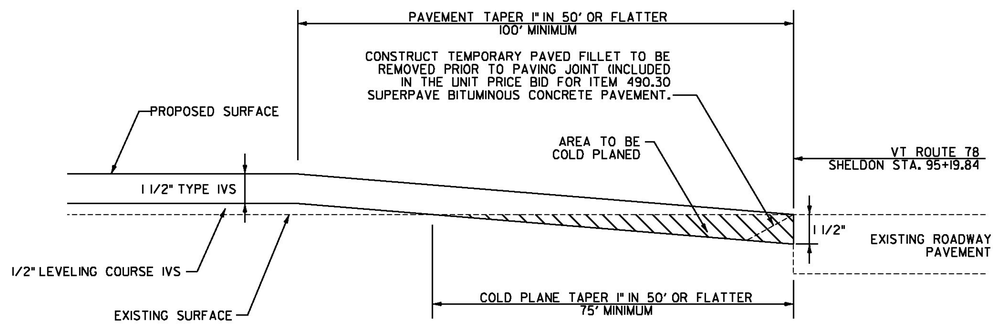


OVERLAY APPROACH AREA DETAIL – SIDE ROADS

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

FULL ROADWAY WIDTH

SWANTON:
STA. 415+91, RT (WAUGH FARM ROAD) (TH-17)
STA. 425+58, RT (TORRIE DRIVE) (TH-59)
STA. 426+06, LT (MISSISQUOI VALLEY UNION HIGH SCHOOL)
STA. 427+06, LT (MISSISQUOI VALLEY UNION HIGH SCHOOL)
HIGHGATE:
STA. 27+81, LT (AIRPORT ROAD)
STA. 82+71, RT (THERRIEN ROAD) (TH-38)
STA. 124+24, LT (CARTER HILL ROAD) (TH-1)
STA. 152+03, RT (VT ROUTE 207, HIGHGATE ROAD)
STA. 247+63, LT (FRANKLIN ROAD) (TH-3)
STA. 285+53, RT (LAMKIN STREET) (TH-5)
STA. 345+22, LT (HANNA ROAD) (TH-62)
STA. 357+18, RT (MACHIA ROAD) (TH-4)
SHELDON:
STA. 21+50, LT (RICE HILL ROAD) (TH-9)
STA. 21+96, RT (SHAWVILLE ROAD) (TH-1)



APPROACH AREA DETAIL (END LEVELING AND OVERLAY)

FULL ROADWAY WIDTH

SHELDON STA. 94+19.84 TO 95+19.84 (END PROJECT)

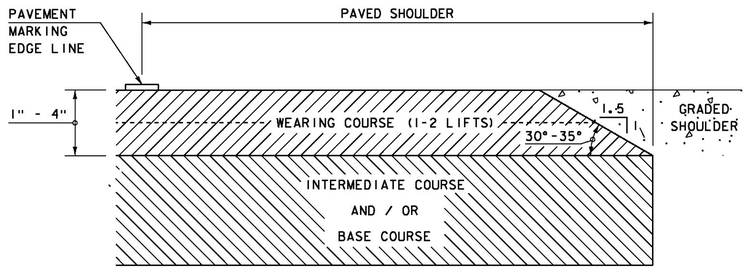
NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET #2

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 3 OF 121



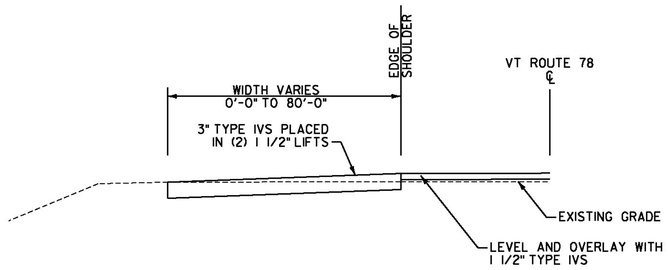
SAFETY EDGE DETAIL

NOT TO SCALE

NOTES:

1, LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.

2, THE EDGE OF PAVEMENT SHALL BE FORMED IN SUCH A WAY THAT THE BITUMINOUS CONCRETE PAVEMENT IS EXTRUDED OR COMPRESSED TO FORM THE 30 TO 35 DEGREE ANGLE. DEVICES THAT SIMPLY STRIKE-OFF THE MIX WITHOUT PROVIDING ANY COMPACTIVE EFFORT WILL NOT BE ALLOWED.



PAVED PULL-OFF DETAIL IN OVERLAY AREAS

HIGHGATE:
STA. 104+11 TO 105+48, RT
STA. 153+29 TO 155+91, LT
STA. 316+97 TO 318+93, RT

PAVED PULL-OFF

NOTES:

1. GRADE EXISTING GRAVEL PULL-OFF AS NECESSARY TO PROVIDE A SMOOTH SURFACE OR AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER ITEM 608.15 POWER GRADER RENTAL. ANY EXCAVATION REQUIRED, SHALL BE PAID AS ITEM 203.15 COMMON EXCAVATION.

2. AN ESTIMATED QUANTITY OF ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) FOR WORK AT BOTH ENDS OF THE PULL-OFFS HAS BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER.

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 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 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 ENGINEER.

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

NOT TO SCALE

Stantec

PROJECT TYPICAL SHEET #3

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 4 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES

ROADWAY	TRAINING	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND
1			1		EACH	REMOVING LARGE TREES	201.16	
0.2			0.2		ACRE	THINNING AND TRIMMING	201.30	EST.
225			225		CY	COMMON EXCAVATION	203.15	3
1600			1600		CY	EARTH BORROW	203.30	EST.
1			1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
21900			21900		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	293
39400			39400		LF	MILLED RUMBLE STRIPS	213.10	415
5280			5280		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	50
1940			1940		TON	AGGREGATE SHOULDERS, RAP	402.13	23
1			1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
24500			24500		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	231
1			1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
1			1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-
1			1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-
1			1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-
19			19		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
5			5		EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	-
50			50		HR	POWER GRADER RENTAL	608.15	EST.
300			300		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
50			50		HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
600			600		HR	TRUCK RENTAL	608.37	EST.
40			40		HR	LOADER RENTAL, TYPE I	608.40	EST.
1340			1340		CY	STONE FILL, TYPE I	613.10	7
35			35		TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	1
2			2		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-
16			16		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	1
12			12		SF	DETECTABLE WARNING SURFACE	618.30	-
160			160		EACH	YIELDING MARKER POSTS	619.17	EST.
3480			3480		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	10
10875			10875		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	12.5
50			50		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED	621.216	-
64			64		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
13525			13525		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	3.5
1200			1200		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
6800			6800		HR	FLAGGERS	630.15	EST.
		1	1		LS	FIELD OFFICE, ENGINEERS	631.10	-
		1	1		LS	TESTING EQUIPMENT, CONCRETE	631.16	-
		1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
		3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
	520		520		HR	EMPLOYEE TRAINEESHIP	634.10	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING, BITUMINOUS PAVEMENT
18318	SY	MAINLINE
3289	SY	SIDE ROADS
293	SY	ROUNDING
21900	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
15157	TON	MAINLINE (WEARING COURSE TYPE IVS)
519	TON	SIDE ROADS (WEARING COURSE TYPE IVS)
367	TON	PULL-OFFS (WEARING COURSE TYPE IVS)
5226	TON	LEVELING (TYPE IVS)
3000	TON	SPOT LEVELING (TYPE IVS)
231	TON	ROUNDING
24500	TON	TOTAL
		STONE FILL, TYPE I
1188	CY	DITCH CLEANING
145	CY	SLOPE EROSION PREVENTION
7	CY	ROUNDING
1340	CY	TOTAL

Stantec

PROJECT NAME:	SWANTON-SHELDON
PROJECT NUMBER:	STP 2715(11)
FILE NAME: ...\Plot Files\p07c186qs01.dgn	PLOT DATE: 4/24/2014
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: MCF	CHECKED BY: JLL
	SHEET 5 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES			TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
ROADWAY	TRAINING	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
1			1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
1			1		LS	TRAFFIC CONTROL	641.10	-			
5			5		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
						BEGIN OPTION AA					
110500			110500		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	1155			
110500			110500		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	1155			
						END OPTION AA					
						BEGIN OPTION BB					
103100			103100		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	1057			
103100			103100		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	1057			
						END OPTION BB					
						BEGIN OPTION CC					
250			250		LF	DURABLE 6 INCH WHITE LINE, THERMOPLASTIC	646.422	11			
250			250		LF	DURABLE 6 INCH WHITE LINE, POLYUREA	646.424	11			
						END OPTION CC					
						BEGIN OPTION DD					
220			220		LF	DURABLE 6 INCH YELLOW LINE, THERMOPLASTIC	646.432	12			
220			220		LF	DURABLE 6 INCH YELLOW LINE, POLYUREA	646.434	12			
						END OPTION DD					
						BEGIN OPTION EE					
150			150		LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	10			
150			150		LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	10			
						END OPTION EE					
						BEGIN OPTION FF					
420			420		LF	DURABLE 8 INCH YELLOW LINE, THERMOPLASTIC	646.452	7			
420			420		LF	DURABLE 8 INCH YELLOW LINE, POLYUREA	646.454	7			
						END OPTION FF					
						BEGIN OPTION GG					
705			705		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	7			
705			705		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	7			
						END OPTION GG					
						BEGIN OPTION HH					
157			157		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
157			157		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-			
						END OPTION HH					
						BEGIN OPTION II					
95			95		LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	3			
95			95		LF	DURABLE CROSSWALK MARKING, POLYUREA	646.504	3			
						END OPTION II					
220880			220880		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	2190			

Stantec

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: ...\Plot Files\p07c186qs02.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: JLL

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES

ROADWAY	TRAINING	FULL C.E. ITEMS
206100		
480		
420		
290		
840		
1410		
314		
190		
5780		
5850		
380		
1510		
6		
9		
250		
355		
7500		
1475		
825		
3910		
7		
344		
18		
64		
56		
1		
5		
1		
1		
4300		
200		
24500		
1270		

TOTALS

GRAND TOTAL	FINAL
206100	
480	
420	
290	
840	
1410	
314	
190	
5780	
5850	
380	
1510	
6	
9	
250	
355	
7500	
1475	
825	
3910	
7	
344	
18	
64	
56	
1	
5	
1	
1	
4300	
200	
24500	
1270	

DESCRIPTIONS

UNIT	ITEMS	ITEM NUMBER	ROUND
LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	2014
LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	2
LF	TEMPORARY 6 INCH YELLOW LINE, PAINT	646.632	4
LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	10
LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	14
LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	14
EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	6
EACH	LINE STRIPING TARGETS	646.76	72
SY	GEOTEXTILE UNDER STONE FILL	649.31	48
LB	SEED	651.15	12
LB	FERTILIZER	651.18	EST.
TON	AGRICULTURAL LIMESTONE	651.20	EST.
TON	HAY MULCH	651.25	EST.
CY	TOPSOIL	651.35	EST.
SY	GRUBBING MATERIAL	651.40	7
SY	TEMPORARY EROSION MATTING	653.20	74
SF	TRAFFIC SIGNS, TYPE A	675.20	20.5
LB	TUBULAR STEEL SIGN POST	675.33	10
LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	23
EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-
EACH	REMOVING SIGNS	675.50	-
EACH	ERECTING SALVAGED SIGNS	675.60	-
EACH	DELINEATOR WITH STEEL POST	676.10	-
EACH	REMOVAL OF EXISTING DELINEATOR	676.12	-
LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
EACH	SPECIAL PROVISION (CPM SCHEDULE)	900.620	-
EACH	SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN)(VT ROUTE 78 @ ROBIN HOOD DRIVE)	900.620	-
EACH	SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM)(VT ROUTE 78 @ ROBIN HOOD DRIVE)	900.620	-
SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	54
TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680	EST.
TON	SPECIAL PROVISION (MATERIAL TRANSFER VEHICLE)	900.680	231
CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT)(RS-1H OR CRS-1H)	900.683	10

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		GEOTEXTILE UNDER STONE FILL
5283	SY	DITCH CLEANING
519	SY	SLOPE EROSION PREVENTION
48	SY	ROUNDING
5850	SY	TOTAL
		SEED
95	LB	DITCH CLEANING
273	LB	TURF ESTABLISHMENT
12	LB	ROUNDING
380	LB	TOTAL
		TEMPORARY EROSION MATTING
5478	SY	DITCH CLEANING
1600	SY	GUARDRAIL END SECTIONS
348	SY	SLOPE EROSION PREVENTION
74	SY	ROUNDING
7500	SY	TOTAL
		SPECIAL PROVISION (MATERIAL TRANSFER VEHICLE)
15157	TON	MAINLINE (WEARING COURSE TYPE IVS)
519	TON	SIDE ROADS (WEARING COURSE TYPE IVS)
367	TON	PULL-OFFS (WEARING COURSE TYPE IVS)
5226	TON	LEVELING (TYPE IVS)
3000	TON	SPOT LEVELING (TYPE IVS)
231	TON	ROUNDING
24500	TON	TOTAL

Stantec

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: ...\Plot Files\p07c186qs03.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF
PLOT DATE: 4/25/2014
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 7 OF 121

ITEM DETAIL SUMMARY SHEET 1

LOCATION			GUARDRAIL					MISCELLANEOUS									REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	621.20 S.B. G.R. GALV. LF	621.205 S.B.G.R. GALV. W/8' POSTS LF	621.216 H.D.S.B.G.R. GALV. NESTED	621.60 ANCHOR FOR S.B. RAIL EACH	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.30 EARTH BORROW CY	301.28 SUBBASE OF CRUSHED GRAV. FINE GRADED TON	402.13 AGGREGATE SHOULDERS, RAP TON	604.412 REHAB DI, CB, OR MH, CLASS I EACH	604.415 REHAB DI, CB, OR MH, CLASS II EACH	613.10 STONE FILL, TYPE I CY	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON		
VT ROUTE 78																	
SWANTON	SHELDON																
389+87.52	95+19.84	LT&RT								5225.8	1917	19	5	1188			QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 13. SEE DITCH CLEANING DETAIL SHEET 18
390+90.0		LT						4.6		4.4							CONSTRUCT SIDEWALK RAMP, TYPE 2
SWANTON																	
414+08.0	414+83.0	LT	79			2	75		50								INSTALL ANCHORS @ STA. 414+08.0 AND 414+83.0
HIGHGATE				316.5													
67+17.0	70+29.5	RT	~~54~~ 0	~~262.5~~		2	~~309~~ 312.5		50								INSTALL ANCHORS @ STA. 67+17.0 AND 70+29.5
83+08.5	87+83.5	RT	54	425		2	475		50								INSTALL ANCHORS @ STA. 83+08.5 AND 87+83.5
98+28.5	101+28.5	RT	~~54~~ 0	~~250~~		2	300		50					6.0			INSTALL ANCHORS @ STA. 98+28.5 AND 101+28.5. REPAIR SLOPE EROSION AT 99+15 - 99+21 & 100+22 - 100+28. SEE DETAIL ON SHEET 17.
				304.0													
98+61.5	101+11.5	LT	~~54~~ 0	~~200~~		2	250		50								INSTALL ANCHORS @ STA. 98+61.5 AND 101+11.5
102+71.5	104+21.5	RT	54	100		2	150		50					3.0			INSTALL ANCHORS @ STA. 102+71.5 AND 104+21.5. REPAIR SLOPE EROSION AT 103+83 - 103+89. SEE DETAIL ON SHEET 17.
				179.0													
103+10.5	104+85.5	LT	~~54~~ 0	~~125~~		2	175		50								INSTALL ANCHORS @ STA. 103+10.5 AND 104+85.5
104+80.0		RT						~~17.2~~									REMOVE 3 INCHES OF EXISTING GRAVEL IN PULL-OFF FOR OVERLAY
105+11.5	107+24.0	LT	54	162.5		2	212.5		50								INSTALL ANCHORS @ STA. 105+11.5 AND 107+24.0
				350.0													
105+24.5	110+12.0	RT	~~54~~	~~437.5~~		~~2~~ 3	462.5		50					6.0		12.5' OF 6' POST RAIL AND 1 ADDITIONAL ANCHOR ADDED BY RE. INSPECTOR SHORTENED RUN IN FIELD. RE REQUIRED THE RUN REINSTALLED PER PLAN. RE PAID ADDITIONAL ANCHOR + 12.5' OF RAIL TO COMPENSATE CONTRACTOR TO MAKE THIS CHANGE	INSTALL ANCHORS @ STA. 105+24.5 AND 110+12.0. REPAIR SLOPE EROSION AT 106+93 - 106+99 & 107+32 - 107+38. SEE DETAIL ON SHEET 17.
				366.5													
108+52.0	112+14.5	LT	~~54~~ 0	~~312.5~~		2	362.5		50					3.0			INSTALL ANCHORS @ STA. 108+52.0 AND 112+14.5. REPAIR SLOPE EROSION AT 108+60 - 108+66. SEE DETAIL ON SHEET 17.
				266.5													
111+24.5	113+87.0	RT	~~54~~ 0	~~212.5~~		2	262.5		50					6.0			INSTALL ANCHORS @ STA. 111+24.5 AND 113+87.0. REPAIR SLOPE EROSION AT 112+01 - 112+07 & 112+31 - 112+37. SEE DETAIL ON SHEET 17.
			189.5	169.5													
114+53.5	118+03.5	LT	~~229~~	~~125~~		2	350		50								INSTALL ANCHORS @ STA. 114+53.5 AND 118+03.5
				166.5													
114+87.0	116+49.5	RT	~~54~~ 0	~~112.5~~		2	162.5		50								INSTALL ANCHORS @ STA. 114+87.0 AND 116+49.5
118+76.0	121+26.0	LT	254			2	250		50					3.0			INSTALL ANCHORS @ STA. 118+76.0 AND 121+26.0. REPAIR SLOPE EROSION AT 119+92 - 119+98. SEE DETAIL ON SHEET 17.
124+09.0	127+09.0	LT	304			2	300		50								INSTALL ANCHORS @ STA. 124+09.0 AND 127+09.0
124+24.0		LT						11.2									REMOVE 4 INCHES OF EXISTING PAVEMENT AT CARTER HILL ROAD
			239.5	52													
124+24.5	127+12.0	RT	~~54~~	~~237.5~~		2	287.5		50					51.6			INSTALL ANCHORS @ STA. 124+24.5 AND 127+12.0. REPAIR SLOPE EROSION AT 124+37 - 125+53, RT. SEE DETAIL ON SHEET 17.
151+47		RT												1.9			CONSTRUCT 5 FOOT BY 10 FOOT STONE PAD AT OUTLET
154+60.0		LT						~~129.2~~									REMOVE 3 INCHES OF EXISTING GRAVEL IN PULL-OFF FOR OVERLAY
162+66	163+35	RT													2.7		INSTALL BITUMINOUS GUTTER. SEE DETAIL ON SHEET 17.
162+66	166+08	LT													31.1		INSTALL BITUMINOUS GUTTER. SEE DETAIL ON SHEET 17.
216+90	218+15	RT	~~125~~	116.5		2			50							RE SHORTENED RUN BY 12.5' DUE TO VISIBILITY	INSTALL ANCHORS @ STA. 216+90.0 AND 218+15.0
	218+02.5															ISSUES AT RESIDENT'S DRIVEWAY.	
217+00	~~218+50~~	LT	~~150~~	154.0		2			50								INSTALL ANCHORS @ STA. 217+00.0 AND 218+50.0
242+25.0	244+25.0	RT	54	150		2	200		50								INSTALL ANCHORS @ STA. 242+25.0 AND 244+25.0
242+31.0	245+18.5	LT	291.5			2	287.5		50								INSTALL ANCHORS @ STA. 242+31.0 AND 245+18.5
298+20.0	302+32.5	RT	416.5			2	412.5		50								INSTALL ANCHORS @ STA. 298+20.0 AND 302+32.5
303+89.0	315+74.5	RT	54	1137.5		2	812.5		50								INSTALL ANCHORS @ STA. 303+89.0 AND 315+74.5
SHEET 8 SUBTOTALS:			2605	4250		44	6096.5	162.2	1100	5230.2	1917	19	5	1268.5	33.8		

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC

ITEM DETAIL SUMMARY SHEET 2

LOCATION			MISCELLANEOUS										REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	617.10 RELOCATE MAILBOX, SINGLE SUPPORT EACH	618.10 PORTLAND CEMENT CONC., 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SF	619.17 YIELDING MARKER POSTS EACH	649.31 GEOTEXTILE UNDER STONE FILL SY	651.40 GRUBBING MATERIAL SY	653.20 TEMPORARY EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EACH	676.12 REMOVAL OF EXIST. DELINEATOR EA		
VT ROUTE 78													
SWANTON SHELDON													
389+87.52	95+19.84	LT&RT	2			160	5283		5478				QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 13. SEE DITCH CLEANING DETAIL SHEET 18
390+90.0		LT		15	12								CONSTRUCT SIDEWALK RAMP, TYPE 2
SWANTON													
414+08.0	414+83.0	LT							50	2			INSTALL ANCHORS @ STA. 414+08.0 AND 414+83.0
HIGHGATE													
67+17.0	70+29.5	RT							50	2	2		INSTALL ANCHORS @ STA. 67+17.0 AND 70+29.5
83+08.5	87+83.5	RT							50	2			INSTALL ANCHORS @ STA. 83+08.5 AND 87+83.5
98+28.5	101+28.5	RT					24	14	64	2	2		INSTALL ANCHORS @ STA. 98+28.5 AND 101+28.5. REPAIR SLOPE EROSION AT 99+15 - 99+21 & 100+22 - 100+28. SEE DETAIL ON SHEET 17.
98+61.5	101+11.5	LT							50	2	2		INSTALL ANCHORS @ STA. 98+61.5 AND 101+11.5
102+71.5	104+21.5	RT					12	7	57	2	2		INSTALL ANCHORS @ STA. 102+71.5 AND 104+21.5. REPAIR SLOPE EROSION AT 103+83 - 103+89. SEE DETAIL ON SHEET 17.
103+10.5	104+85.5	LT							50	2	2		INSTALL ANCHORS @ STA. 103+10.5 AND 104+85.5
104+80.0		RT											REMOVE 3 INCHES OF EXISTING GRAVEL IN PULL-OFF FOR OVERLAY
105+11.5	107+24.0	LT							50	2	2		INSTALL ANCHORS @ STA. 105+11.5 AND 107+24.0
105+24.5	110+12.0	RT					24	14	64	2	2		INSTALL ANCHORS @ STA. 105+24.5 AND 110+12.0. REPAIR SLOPE EROSION AT 106+93 - 106+99 & 107+32 - 107+38. SEE DETAIL ON SHEET 17.
108+52.0	112+14.5	LT					12	7	57	2	2		INSTALL ANCHORS @ STA. 108+52.0 AND 112+14.5. REPAIR SLOPE EROSION AT 108+60 - 108+66. SEE DETAIL ON SHEET 17.
111+24.5	113+87.0	RT					24	14	64	2	2		INSTALL ANCHORS @ STA. 111+24.5 AND 113+87.0. REPAIR SLOPE EROSION AT 112+01 - 112+07 & 112+31 - 112+37. SEE DETAIL ON SHEET 17.
114+53.5	118+03.5	LT							50	2	2		INSTALL ANCHORS @ STA. 114+53.5 AND 118+03.5
114+87.0	116+49.5	RT							50	2	2		INSTALL ANCHORS @ STA. 114+87.0 AND 116+49.5
118+76.0	121+26.0	LT					12	7	57	2	2		INSTALL ANCHORS @ STA. 118+76.0 AND 121+26.0. REPAIR SLOPE EROSION AT 119+92 - 119+98. SEE DETAIL ON SHEET 17.
124+09.0	127+09.0	LT							50	~~2~~ 5	2	RE ADDED 3 DELINEATORS TO BETTER DELINEATE CARTER HILL ROAD INTERSECTION.	INSTALL ANCHORS @ STA. 124+09.0 AND 127+09.0
124+24.0		LT											REMOVE 4 INCHES OF EXISTING PAVEMENT AT CARTER HILL ROAD
124+24.5	127+12.0	RT					170	129	179	2	2		INSTALL ANCHORS @ STA. 124+24.5 AND 127+12.0. REPAIR SLOPE EROSION AT 124+37 - 125+53, RT. SEE DETAIL ON SHEET 17.
151+47		RT					6						CONSTRUCT 5 FOOT BY 10 FOOT STONE PAD AT OUTLET
154+60.0		LT											REMOVE 3 INCHES OF EXISTING GRAVEL IN PULL-OFF FOR OVERLAY
162+66	163+35	RT											INSTALL BITUMINOUS GUTTER. SEE DETAIL ON SHEET 17.
162+66	166+08	LT											INSTALL BITUMINOUS GUTTER. SEE DETAIL ON SHEET 17.
216+90	218+15	RT							50	2			INSTALL ANCHORS @ STA. 216+90.0 AND 218+15.0
217+00	218+50	LT							50	2			INSTALL ANCHORS @ STA. 217+00.0 AND 218+50.0
242+25.0	244+25.0	RT							50	2	2		INSTALL ANCHORS @ STA. 242+25.0 AND 244+25.0
242+31.0	245+18.5	LT							50	2	2		INSTALL ANCHORS @ STA. 242+31.0 AND 245+18.5
298+20.0	302+32.5	RT							50	2	2		INSTALL ANCHORS @ STA. 298+20.0 AND 302+32.5
303+89.0	315+74.5	RT							50	2	2		INSTALL ANCHORS @ STA. 303+89.0 AND 315+74.5
SHEET 9 SUBTOTALS:			2	15	12	160	5567	192	6770	44	36		

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 9 OF 121

ITEM DETAIL SUMMARY SHEET 3

LOCATION			GUARDRAIL					MISCELLANEOUS								REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	621.20 S.B. G.R. GALV. LF	621.205 S.B.G.R. GALV. W/8' POSTS LF	621.216 H.D.S.B.G.R. GALV. NESTED	621.60 ANCHOR FOR S.B. RAIL EACH	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.30 EARTH BORROW CY	301.28 SUBBASE OF CRUSHED GRAV, FINE GRADED TON	402.13 AGGREGATE SHOULDERS, RAP TON	604.412 REHAB DI, CB, OR MH, CLASS I EACH	604.415 REHAB DI, CB, OR MH, CLASS II EACH	613.10 STONE FILL, TYPE I CY	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON		
VT ROUTE 78																	
HIGHGATE																	
317+95		RT						28.4								REMOVE 3 INCHES OF EXISTING GRAVEL IN PULL-OFF FOR OVERLAY	
334+10.0	348+22.5	RT	54	1362.5		2	1400		50					9.0		INSTALL ANCHORS @ STA. 334+10.0 AND 348+22.5. SEE REDUCED POST SPACING DETAILS #1 &#2 ON SHEET 14. REPAIR SLOPE EROSION AT 344+84 - 344+90, 345+50 - 345+56 & 346+33 - 346+39. SEE DETAIL ON SHEET 17.	
357+18.0		RT						14.8								REMOVE 4 INCHES OF EXISTING PAVEMENT AT MACHIA ROAD	
377+69.5	381+94.5	RT	54	375		2	425		50							INSTALL ANCHORS @ STA. 377+69.5 AND 381+94.5	
SHELDON																	
9+52.5	12+02.5	RT	54	200		2	250		50							INSTALL ANCHORS @ STA. 9+52.5 AND 12+02.5	
21+50.0		LT						9.8								REMOVE 4 INCHES OF EXISTING PAVEMENT AT RICE HILL ROAD	
21+96.0		RT						7.2								REMOVE 4 INCHES OF EXISTING PAVEMENT AT SHAWVILLE ROAD	
31+21.0	32+33.5	LT	104		25	2	100		50							INSTALL ANCHORS @ STA. 31+21.0 AND 32+33.5. SEE CULVERT SPAN DETAIL ON SHEET 14	
31+21.0	32+33.5	RT	104		25	2	100		50							INSTALL ANCHORS @ STA. 31+21.0 AND 32+33.5. SEE CULVERT SPAN DETAIL ON SHEET 14	
48+68.0	56+93.0	RT	279	550		2	825		50					3.0		INSTALL ANCHORS @ STA. 48+68.0 AND 56+93.0. REPAIR SLOPE EROSION AT 51+39 - 51+45. SEE DETAIL ON SHEET 17	
69+12.5	81+75.0	RT	54	1212.5		2	1262.5		50					26.0		INSTALL ANCHORS @ STA. 69+12.5 AND 81+75.0. REPAIR SLOPE EROSION AT 69+69 - 69+75, 70+37 - 70+82, 76+34 - 76+40. SEE DETAIL ON SHEET 17	
70+77.5	72+52.5	LT	54	125		2	175		50					3.0		INSTALL ANCHORS @ STA. 70+77.5 AND 72+52.5. REPAIR SLOPE EROSION AT 71+62 - 71+68. SEE DETAIL ON SHEET 17.	
76+11.5	94+86.5	LT	54	1825		2	1875		50					11.9		INSTALL ANCHORS @ STA. 76+11.5 AND 94+86.5. REPAIR SLOPE EROSION AT 81+91 - 82+11, 91+08 - 91+14. SEE DETAIL ON SHEET 17.	
82+31.5	92+44.0	RT	54	962.5		2	1012.5		50					11.1		INSTALL ANCHORS @ STA. 82+31.5 AND 92+44.0. REPAIR SLOPE EROSION AT 88+95 - 89+20. SEE DETAIL ON SHEET 17.	
SHEET 8 SUBTOTALS:			2605	4250	-	44	6096.5	162.2	1100	5230.2	1917	19	5	1268.5	33.8		
SHEET 10 SUBTOTALS:			865	6612.5	50	20	7425	60.2	500	-	-	-	-	64	-		
SUBTOTALS:			3470	10862.5	50	64	13521.5	222.4	1600	5230.2	1917	19	5	1332.5	33.8		
ROUNDING:			10	12.5	-	-	3.5	2.6	-	49.8	23	-	-	7.5	1.2		
TOTALS:			3480	10875	50	64	13525	225	1600	5280	1940	19	5	1340	35		

ITEM DETAIL SUMMARY SHEET #3

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 10 OF 121

ITEM DETAIL SUMMARY SHEET 4

LOCATION			MISCELLANEOUS									REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	617.10 RELOCATE MAILBOX, SINGLE SUPPORT EACH	618.10 PORTLAND CEMENT CONC., 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SF	619.17 YIELDING MARKER POSTS EACH	649.31 GEOTEXTILE UNDER STONE FILL SY	651.40 GRUBBING MATERIAL SY	653.20 TEMPORARY EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EACH	676.12 REMOVAL OF EXIST. DELINEATOR EA	
VT ROUTE 78												
HIGHGATE												
317+95		RT										REMOVE 3 INCHES OF EXISTING GRAVEL IN PULL-OFF FOR OVERLAY
334+10.0	348+22.5	RT					36	21	71	2	2	INSTALL ANCHORS @ STA. 334+10.0 AND 348+22.5. SEE REDUCED POST SPACING DETAILS #1 &#2 ON SHEET 14. REPAIR SLOPE EROSION AT 344+84 - 344+90, 345+50 - 345+56 & 346+33 - 346+39. SEE DETAIL ON SHEET 17.
357+18.0		RT										REMOVE 4 INCHES OF EXISTING PAVEMENT AT MACHIA ROAD
377+69.5	381+94.5	RT							50	2	2	INSTALL ANCHORS @ STA. 377+69.5 AND 381+94.5
SHELDON												
9+52.5	12+02.5	RT							50	2	2	INSTALL ANCHORS @ STA. 9+52.5 AND 12+02.5
21+50.0		LT										REMOVE 4 INCHES OF EXISTING PAVEMENT AT RICE HILL ROAD
21+96.0		RT										REMOVE 4 INCHES OF EXISTING PAVEMENT AT SHAWVILLE ROAD
31+21.0	32+33.5	LT							50	2	2	INSTALL ANCHORS @ STA. 31+21.0 AND 32+33.5. SEE CULVERT SPAN DETAIL ON SHEET 14
31+21.0	32+33.5	RT							50	2	2	INSTALL ANCHORS @ STA. 31+21.0 AND 32+33.5. SEE CULVERT SPAN DETAIL ON SHEET 14
48+68.0	56+93.0	RT					12	7	57	2	2	INSTALL ANCHORS @ STA. 48+68.0 AND 56+93.0. REPAIR SLOPE EROSION AT 51+39 - 51+45. SEE DETAIL ON SHEET 17
69+12.5	81+75.0	RT					92	64	114	2	2	INSTALL ANCHORS @ STA. 69+12.5 AND 81+75.0. REPAIR SLOPE EROSION AT 69+69 - 69+75, 70+37 - 70+82, 76+34 - 76+40. SEE DETAIL ON SHEET 17
70+77.5	72+52.5	LT					12	7	57	2	2	INSTALL ANCHORS @ STA. 70+77.5 AND 72+52.5. REPAIR SLOPE EROSION AT 71+62 - 71+68. SEE DETAIL ON SHEET 17.
76+11.5	94+86.5	LT					44	29	79	2	2	INSTALL ANCHORS @ STA. 76+11.5 AND 94+86.5. REPAIR SLOPE EROSION AT 81+91 - 82+11, 91+08 - 91+14. SEE DETAIL ON SHEET 17.
82+31.5	92+44.0	RT					39	28	78	2	2	INSTALL ANCHORS @ STA. 82+31.5 AND 92+44.0. REPAIR SLOPE EROSION AT 88+95 - 89+20. SEE DETAIL ON SHEET 17.
SHEET 9 SUBTOTALS:			2	15	12	160	5567	192	6770	44	36	
SHEET 11 SUBTOTALS:			-	-	-	-	235	156	656	20	20	
SUBTOTALS:			2	15	12	160	5802	348	7426	64	56	
ROUNDING:			-	1	-	-	48	7	74	-	-	
TOTALS:			2	16	12	160	5850	355	7500	64	56	

ITEM DETAIL SUMMARY SHEET #4

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: MCF

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: JLL

STATION	POSITION	QUANTITY (SY)
SWANTON VT ROUTE 78		
392+21	RT	3
395+49	LT	22
395+82	RT	81
396+93	LT	25
397+29	RT	19
406+99	RT	66
408+12	LT	4
409+75	LT	12
411+23	LT	8
411+95	RT	13
412+87	RT	11
416+55	LT	2
416+83	RT	15
418+46	LT	~~19~~ 40
419+45	LT	31
421+74	LT	8
422+90	RT	7
423+02	LT	8
424+04	LT	8
424+49	RT	8
425+38	LT	8
426+12	RT	8
SUBTOTAL		386
HIGHGATE VT ROUTE 78		
0+75	RT	14
1+71	RT	17
5+57	RT	8
5+95	LT	3
6+29	RT	7
8+53	RT	32
12+45	RT	13
15+51	RT	7
16+61	RT	10
17+93	RT	9
18+52	RT	9
21+03	RT	20
22+77	RT	16
23+06	LT	5
23+79	LT	16
25+95	RT	88
29+65	RT	9
29+97	LT	26
31+44	RT	98
33+82	RT	9
33+98	LT	20
35+25	RT	7
36+48	LT	22
38+35	RT	23
38+69	LT	46
41+23	RT	12
43+55	RT	63
43+96	LT	24
44+97	LT	8
47+84	LT	29
52+51	LT	16
56+26	RT	18
56+36	LT	12
60+12	RT	14
60+27	LT	12
60+93	LT	18
64+53	LT	51
66+65	RT	11
71+17	RT	4
73+58	LT	16
75+20	RT	9
75+92	LT	16
76+53	RT	11
85+37	LT	16
92+98	LT	14
94+00	RT	3
94+73	LT	35
104+11	RT	12
105+48	RT	12
107+47	LT	16
108+25	LT	16
110+85	RT	13
112+42	LT	7
114+34	RT	16
116+61	RT	15
118+29	LT	10
118+56	RT	14
118+61	LT	8

STATION	POSITION	QUANTITY (SY)
HIGHGATE VT ROUTE 78		
121+18	RT	5
121+58	RT	7
123+94	RT	12
127+42	LT	9
130+17	LT	5
134+23	LT	8
135+30	RT	8
138+20	RT	30
140+36	LT	33
142+75	RT	20
144+63	LT	7
145+28	RT	2
146+00	LT	19
149+67	RT	8
151+05	LT	9
152+08	LT	21
153+16	RT	8
153+29	LT	12
154+54	RT	6
155+91	LT	12
155+97	RT	6
158+09	RT	44
159+24	RT	~~25~~ 43.2
159+42	LT	~~6~~ 5.3
160+16	LT	~~9~~ 7.2
161+51	LT	~~56~~ 55.1
163+83	LT	~~15~~ 11.5
164+89	RT	~~91~~ 162.8
165+11	LT	~~56~~ 52.8
168+35	RT	9
168+79	LT	7
168+90	RT	5
169+52	LT	7
169+53	RT	10
170+19	RT	10
171+18	LT	24
171+84	RT	3
172+62	LT	~~33~~ 32.9
172+65	RT	5
175+06	RT	7
175+12	LT	~~8~~
175+48	RT	7
176+64	RT	7
176+83	LT	~~121~~ 155.3
178+08	RT	25
179+63	RT	10
181+74	LT	~~9~~ 12.0
181+89	RT	8
183+04	LT	~~9~~ 11.0
183+31	RT	8
183+57	LT	~~9~~ 15.4
184+14	RT	9
184+17	LT	~~4~~ 7.1
184+37	LT	~~5~~ 7.1
185+81	LT	~~43~~ 42.0
187+33	LT	~~8~~ 8.9
187+70	RT	12
190+16	RT	~~3~~ 4.9
191+67	LT	4
195+88	RT	16
197+17	RT	~~6~~ 8.0
198+74	RT	~~10~~ 11.6
199+72	RT	18
200+88	LT	9
202+81	RT	16
205+71	RT	76
207+41	LT	~~12~~ 11.6
208+08	RT	12
209+43	RT	8
211+50	LT	~~36~~ 39.6
212+79	RT	~~8~~ 9.3
214+19	LT	3
214+95	RT	~~8~~ 10.7
215+54	LT	~~8~~ 14.3
215+91	RT	20
216+68	LT	9
218+40	RT	13
219+88	RT	~~43~~ 33.3
220+61	LT	6
221+28	RT	4
221+99	LT	3
222+01	RT	7

STATION	POSITION	QUANTITY (SY)
HIGHGATE VT ROUTE 78		
222+52	LT	9
223+81	RT	7
223+97	LT	16
225+08	LT	25
226+60	LT	15
232+16	RT	5
235+80	RT	2
239+74	LT	14
241+12	RT	2
241+59	LT	23
249+79	RT	4
252+00	RT	4
253+61	RT	50
257+22	RT	15
259+20	RT	12
260+09	LT	8
261+82	LT	13
262+10	RT	6
265+48	LT	9
265+97	RT	15
266+84	RT	9
267+11	LT	4
267+66	LT	13
268+57	RT	14
269+77	LT	6
278+17	LT	20
288+97	RT	16
295+58	LT	17
298+77	LT	15
300+64	LT	15
303+03	RT	5
303+26	LT	5
306+56	LT	9
316+11	RT	11
316+63	LT	15
316+97	RT	12
318+93	RT	12
324+70	LT	15
329+82	LT	3
331+50	LT	3
338+94	LT	11
340+26	LT	12
342+25	LT	5
343+85	LT	5
346+45	LT	15
346+85	LT	6
348+09	LT	12
348+57	LT	9
349+59	LT	7
351+03	LT	7
352+43	LT	7
353+87	RT	9
354+67	LT	54
355+44	RT	15
355+88	LT	10
356+11	RT	5
356+36	RT	16
356+92	RT	19
357+73	LT	13
359+03	LT	9
360+21	RT	10
361+07	LT	15
362+63	LT	12
362+77	RT	13
369+26	LT	8
373+85	LT	10
375+33	RT	15
375+39	LT	9
377+31	RT	13
377+61	LT	11
382+33	LT	33
387+80	RT	11
388+04	LT	3
388+65	LT	3
390+91	RT	35
391+12	LT	12
393+44	LT	3
393+50	RT	11
394+28	LT	15
399+62	LT	53
401+81	LT	15
405+18	LT	7

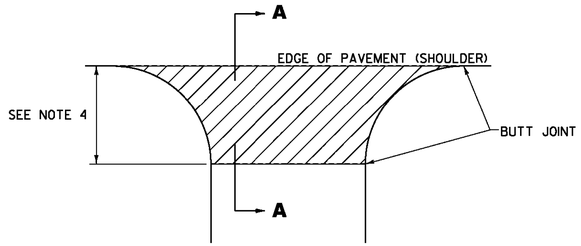
STATION	POSITION	QUANTITY (SY)
HIGHGATE VT ROUTE 78		
405+37	RT	4
407+98	LT	8
SUBTOTAL		3462
SHELDON VT ROUTE 78		
1+62	RT	35
1+64	LT	11
2+79	LT	6
3+24	RT	9
5+64	RT	12
6+47	RT	9
8+55	LT	43
8+75	RT	27
11+42	LT	22
12+70	RT	10
20+28	RT	8
20+59	LT	7
22+14	LT	29
27+85	LT	15
33+92	RT	3
36+71	LT	16
39+82	LT	3
43+52	LT	12
50+73	LT	10
51+10	LT	10
53+20	LT	20
60+73	LT	6
63+70	LT	12
66+52	LT	12
70+59	LT	15
82+03	RT	19
93+21	RT	8
95+00	LT	9
SUBTOTAL		398
SWANTON		386
HIGHGATE		3462
SHELDON		398
SUBTOTAL		4246
ROUNDING		54
TOTAL		4300

NOTES:

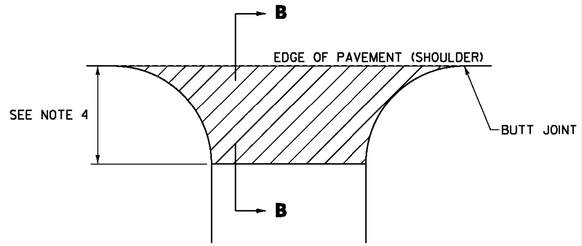
1. PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 2".
2. THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR APPLYING EMULSION, FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT 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 CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
4. FIELD DRIVES 2'-0"; RESIDENTIAL AND COMMERCIAL DRIVES 4'-0"; OR AS DIRECTED BY THE ENGINEER.

LEGEND

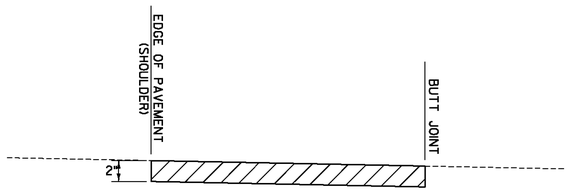
ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)



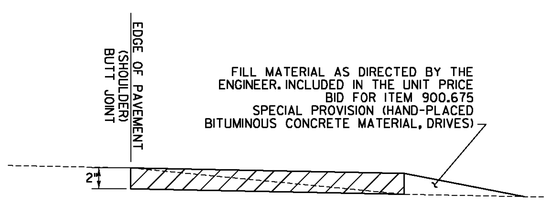
PLAN



PLAN



SECTION A–A
HANDWORK DETAILS FOR PAVED DRIVES



SECTION B–B
HANDWORK DETAILS FOR GRAVEL DRIVES

NOT TO SCALE

Stantec

DRIVE DETAIL SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT

PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY

EXISTING CULVERT INVENTORY TABLE

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
VT ROUTE 78			
SWANTON			
391+24	42"	CMP	BR # 7
427+56	36"	CGMP	
HIGHGATE			
66+73	36"	CGMP	
68+72	48"	RCP	BR # 9
70+61	24"	CGMP	
89+88	18"	RCP	
97+29	18"	RCP	
99+11	18"	CGMP	
100+22	18"	CGMP	
103+90	18"	CGMP	
106+54	24"	CGMP	
109+35	30"	CGMP	
111+74	18"	RCP	
115+49	15"	CGMP	
120+00	15"	CGMP	
121+44	30"	HDPE	
125+78	48"x48"	CONC. SLAB	BR # 10
134+36	UNKNOWN	UNKNOWN	
134+68	15"	CGMP	
141+66	33"x24"	CONC. BOX	
152+35	30"	CGMP	
162+69	18"	CPEP	
167+00	15"	CPEP	
170+68	15"	CPEP	
217+51	30"	CGMP	
230+11	30"	CGMP	
243+67	60"x48"	CONC. BOX	BR # 11
243+94	36"	CGMP	
253+03	18"	RCP	
255+82	18"	RCP	
275+03	60"x48"	CONC. BOX	BR # 12
281+64	18"	RCP	
298+26	18"	CPEP	
300+99	18"	CGMP	
304+00	18"	CGMP	
308+17	18"	CGMP	
316+40	24"	CGMP	
321+94	24"	RCP	
327+66	18"	CGMP	
329+96	18"	CGMP	
334+26	18"	CGMP	
335+86	18"	CGMP	

EXISTING CULVERT INVENTORY TABLE

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
VT ROUTE 78			
HIGHGATE			
338+36	18"	CGMP	
340+49	18"	CGMP	
342+89	18"	CGMP	
345+30	36"	RCP	
345+80	60"x48"	CONC. BOX	BR # 13
349+88	48"x48"	CONC. BOX	
354+45	UNKNOWN	UNKNOWN	
357+04	15"	RCP	
357+76	15"	CGMP	
359+21	UNKNOWN	UNKNOWN	
361+27	18"	CGMP	
368+16	30"	CGMP	
384+99	15"	RCP	
389+77	15"	RCP	
397+62	18"	CGMP	
400+20	15"	CGMP	
406+91	36"	CGMP	
408+06	18"	RCP	
SHELDON			
10+90	24"	CGMP	
11+78	24"	CGMP	
19+77	18"	RCP	
21+46	15"	RCP	
25+68	24"	CPEP	
31+71	72"x60"	CONC. BOX	BR # 14
39+06	18"	RCP	
43+61	18"	RCP	
48+33	18"	RCP	
51+47	18"	CGMP	
54+19	18"	RCP	
57+21	18"	CGMP	
58+37	18"	RCP	
61+10	18"	CGMP	
63+42	18"	CPEP	
66+25	18"	CGMP	
69+75	24"	RCP	
71+48	24"	RCP	
76+34	18"	RCP	
79+50	5'-6"x5'-6"	MULTIPLATE PIPE	BR # 15
82+83	24"	CGMP	
85+93	24"	CGMP	
88+86	24"	CGMP	
93+93	18"	CGMP	

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

(ITEM 604.412 OR 604.415)

STATION	POSITION	DESCRIPTION
VT ROUTE 78		
SWANTON		
395+21	LT	DI
406+44	RT	DI
HIGHGATE		
157+60	LT	DI
162+67	RT	DI
162+73	LT	DI
165+52	LT	DI
166+95	LT	DI
175+45	LT	DI
178+17	LT	DI
301+59	LT	DI
308+18	RT	DI
345+34	LT	DI
350+50	LT	DI II
352+09	LT	DI
354+48	LT	DI
356+39	RT	DI
356+95	LT	DI
357+60	RT	DI
357+91	LT	DI
359+20	LT	DI
359+22	RT	DI II
359+93	LT	DI
389+72	LT	DI II
SHELDON		
61+45	LT	DI

2 EA

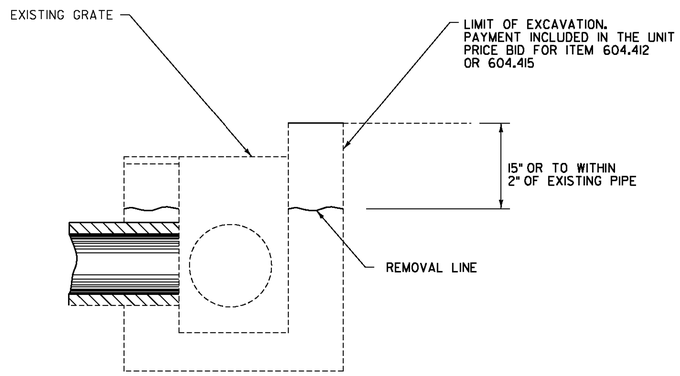
ADDED

173+90	RT	DI
175+15	RT	DI
182+10	LT	DI
182+10	RT	DI
360+46	RT	DI
335+86	LT	DI
340+49	LT	DI

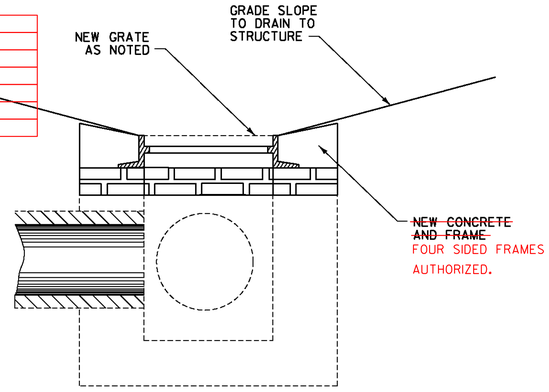
GAS VALVES

(TO BE ADJUSTED BY OTHERS)

STATION	POSITION	DESCRIPTION
VT ROUTE 78		
SWANTON		
391+50	RT	GSO
391+63	RT	GSO



EXISTING D.I. TOP REMOVAL



NEW D.I. TOP PLACEMENT

HIGHGATE STA. 357+50, RT
HIGHGATE STA. 359+25, RT

NOTES:

1. REMOVE DROP INLET TOPS, PEDESTALS AND DROP INLET WALLS TO ACCOMMODATE NEW BRICKS, D.I. COVERS, FRAMES AND GRATES TO MAINTAIN DITCH FLOW LINES (SEE VAOT STANDARD D-8 FOR EXISTING D.I. DETAILS).
2. ADJUST BRICK COURSES AS NECESSARY TO MAINTAIN PROPER DITCH FLOW LINE.
3. SEE VAOT STANDARDS D-6 FOR CONCRETE TOP DETAIL AND D-16 FOR GRATE DETAIL.
4. ALL REMOVAL AND RECONSTRUCTION, INCLUDING ALL MATERIALS, LABOR AND INCIDENTALS SHALL BE PAID FOR UNDER ITEM 604.412 OR ITEM 604.415.

NOT TO SCALE

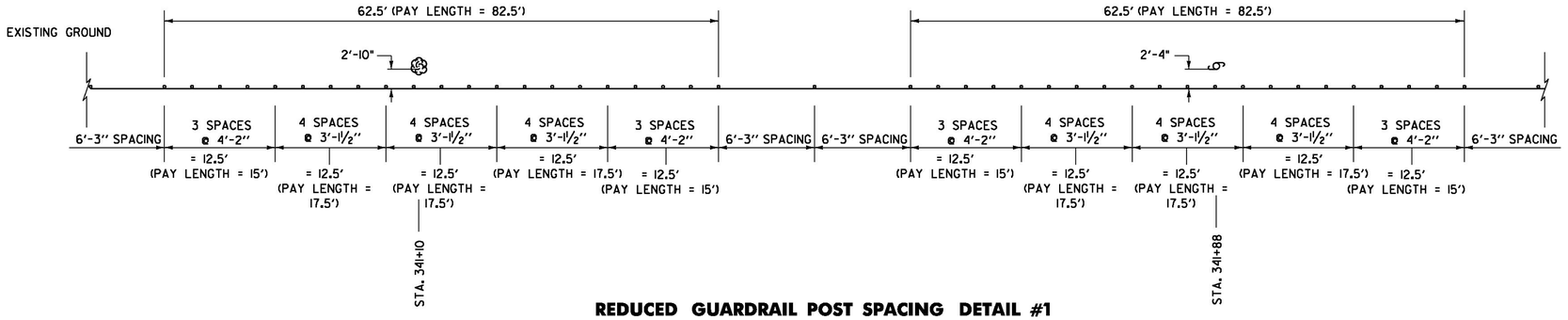
Stantec

CULVERT & STRUCTURE INVENTORY SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT

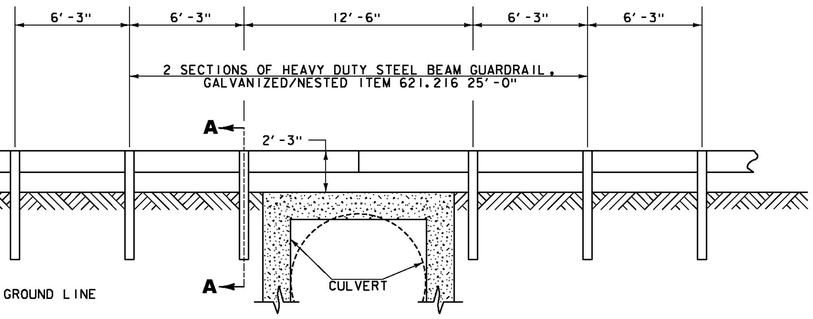
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 13 OF 121



REDUCED GUARDRAIL POST SPACING DETAIL #1

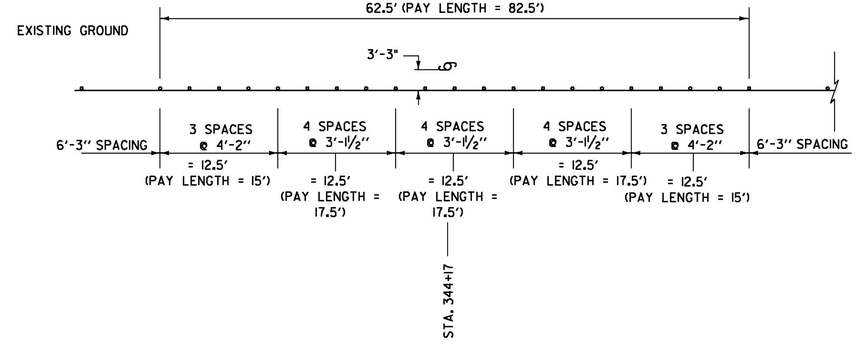
LOCATION:

HIGHGATE STA. 341+10, RT - TREE
HIGHGATE STA. 341+88, RT - UTILITY POLE



DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS

SHELDON STA. 311+71, LT & RT (BRIDGE #14)



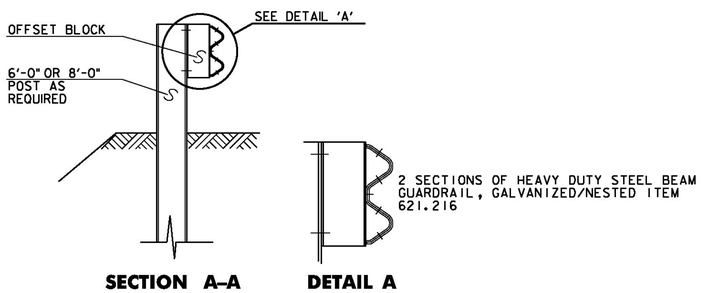
REDUCED GUARDRAIL POST SPACING DETAIL #2

LOCATION:

HIGHGATE STA. 344+17, RT - UTILITY POLE

NOTES

1. SEE STANDARDS G-1 & G-10 FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.216 HEAVY DUTY STEEL BEAM GUARDRAIL, GALVANIZED/NESTED AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE ENGINEER.



SECTION A-A **DETAIL A**

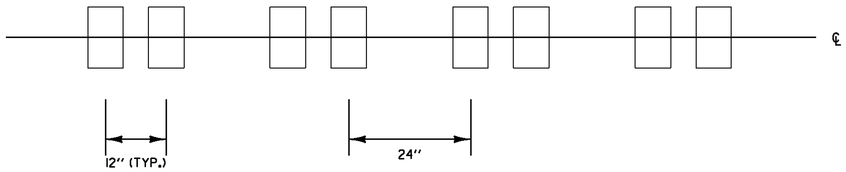
NOT TO SCALE

Stantec

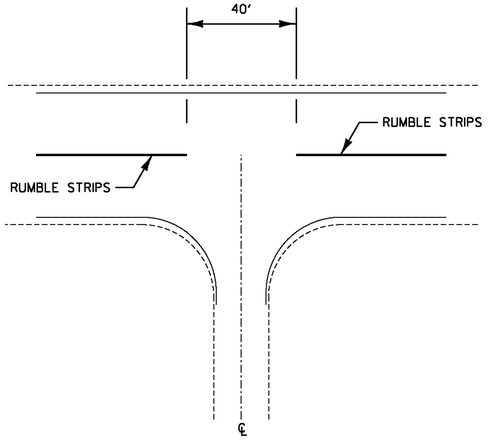
GUARDRAIL DETAIL SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

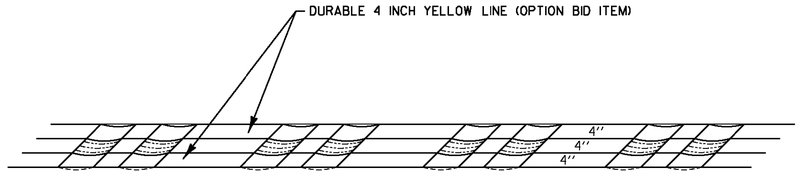
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 14 OF 121



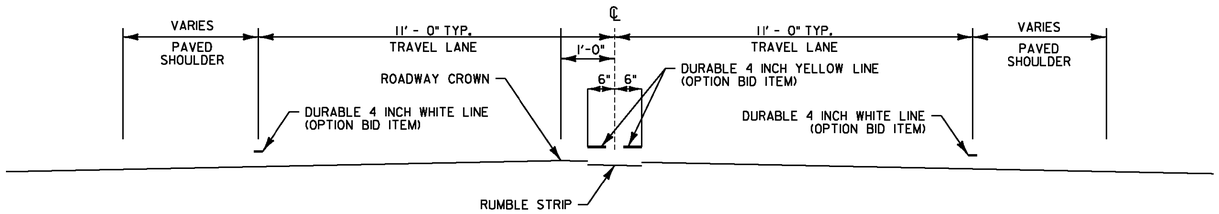
RUMBLE STRIP LAYOUT



INTERSECTION DETAIL

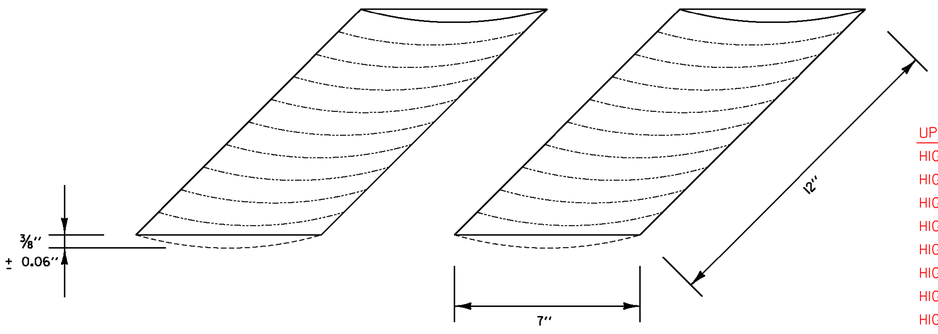


PAVEMENT MARKINGS DETAIL



RUMBLE STRIP TYPICAL SECTION

ZONE 1--HIGHGATE STA. 44+35 - 60+50
ZONE 1--HIGHGATE STA. 77+50 - 134+40
ZONE 2--HIGHGATE STA. 187+44 - 336+34
ZONE 3--HIGHGATE STA. 378+00 - SHELDON STA. 21+50
ZONE 3--SHELDON STA. 35+00 - 95+19



RUMBLE STRIP DETAIL

UPDATED MILEMARKERS FOR RUMBLE STRIPS

HIGHGATE MM 0.874 - HIGHGATE MM 1.013
HIGHGATE MM 1.222 - HIGHGATE MM 2.119
HIGHGATE "CARTER HILL ROAD" CENTERLINE BREAK - HIGHGATE MM 2.521
HIGHGATE MM 2.643 - HIGHGATE MM 2.805
HIGHGATE MM 4.299 - HIGHGATE MM 4.492
HIGHGATE MM 4.540 - HIGHGATE "FRANKLIN ROAD" CENTERLINE BREAK
HIGHGATE "FRANKLIN ROAD" CENTERLINE BREAK - HIGHGATEMM 4.740
HIGHGATE MM 5.088 - HIGHGATE "LAMKIN STREET" CENTERLINE BREAK
HIGHGATE "LAMPKIN STREET" CENTERLIN BREAK
HIGHGATE "LAMPKIN STREET" CENTERLINE BREAK - HIGHGATE MM 5.531
HIGHGATE MM 5.781 - HIGHGATE MM 6.374
HIGHGATE MM 6.900 - HIGHGATE MM 7.047
HIGHGATE MM 7.215 - HIGHGATE MM 7.366
HIGHGATE MM 7.446 - HIGHGATE MM 7.541
HIGHGATE MM 7.593 - SHELDON MM 0.031
SHELDON MM 0.257 - SHELDON MM 0.349
SHELDON MM 0.455 - SHELDON MM 0.930

NOTES:

1. CENTERLINE RUMBLE STRIPS NOT TO EXTEND BEYOND CENTERLINE WHEN CENTERLINE IS A DOUBLE YELLOW LINE, WITH OR WITHOUT A PASSING ZONE.
2. CENTERLINE RUMBLE STRIP TO BE PLACED ALONG CENTERLINE OF ROADWAY.
3. CENTERLINE RUMBLE STRIP TO STOP 20 FEET PRIOR TO THE CENTERLINE OF AN INTERSECTION.

NOTE: RUMBLE STRIP LOCATIONS SHOWN MAY BE SUBJECT TO CHANGE.

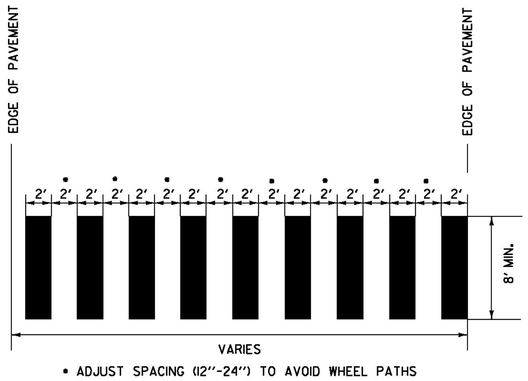
NOT TO SCALE

Stantec

CENTERLINE RUMBLE STRIP DETAIL SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

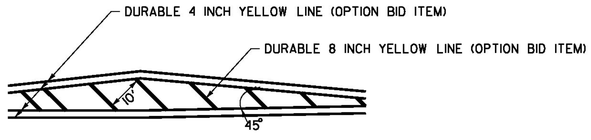
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 15 OF 121



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

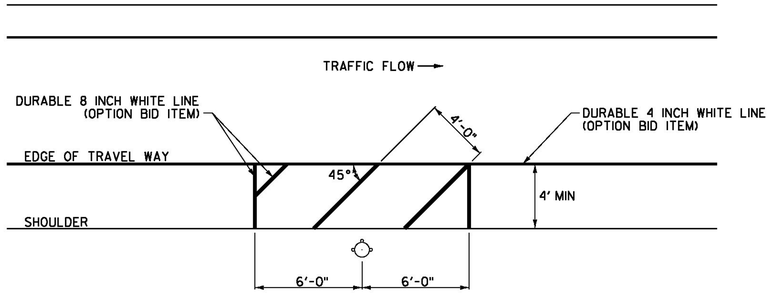
BLOCK PATTERN CROSSWALK DETAIL

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



GORE MARKING DETAIL

SEE LAYOUT SHEETS FOR LOCATIONS



HYDRANT PAVEMENT MARKING DETAIL

SWANTON:
STA. 393+73, LT

HIGHGATE:
STA. 154+26, LT
STA. 318+34, RT

NOTE:

THE CONTRACTOR SHALL ADJUST THE PLACEMENT OF THE FIRE HYDRANT PAVEMENT MARKINGS TO MEET THE EXISTING SITE CONSTRAINTS AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

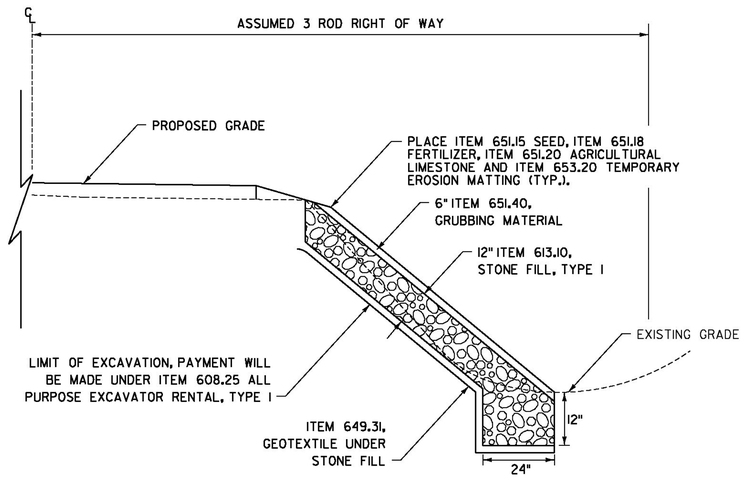
Stantec

MISCELLANEOUS DETAIL SHEET #1

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

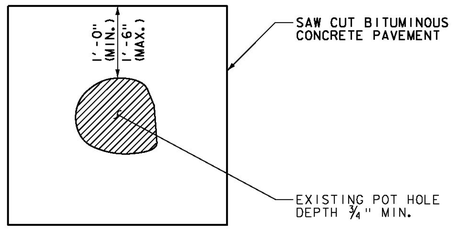
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT

PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 16 OF 121



SLOPE EROSION PREVENTION DETAIL

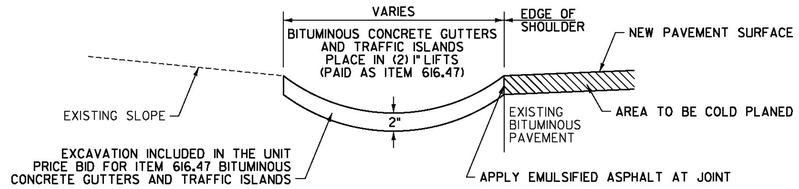
NOTES:
1. ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING ROADWAY RIGHT OF WAY.
2. STONE FILL TO BE PLACED ON SLOPES 1:1.5 OR STEEPER
3. SEE SHEETS 8-11 FOR LOCATIONS



TYPICAL – POT HOLE REPAIR

SEE NOTE 6 ON SHEET 2.

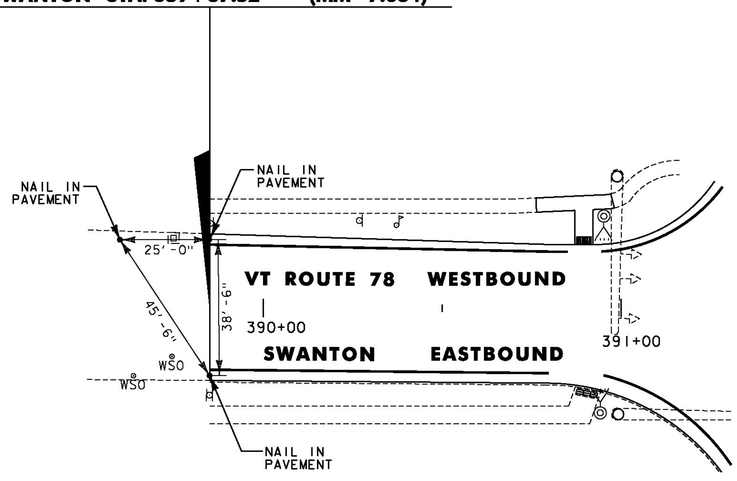
EMULSIFIED ASPHALT SHALL BE APPLIED AT ALL PATCH INTERFACES AT A RATE OF 0.25 - 0.5 GAL/SY. EMULSIFIED ASPHALT SHALL MEET THE REQUIREMENTS OF SECTION 404 AND WILL BE CONSIDERED INCIDENTAL TO ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)



BITUMINOUS CONCRETE GUTTER DETAIL – COLD PLANE

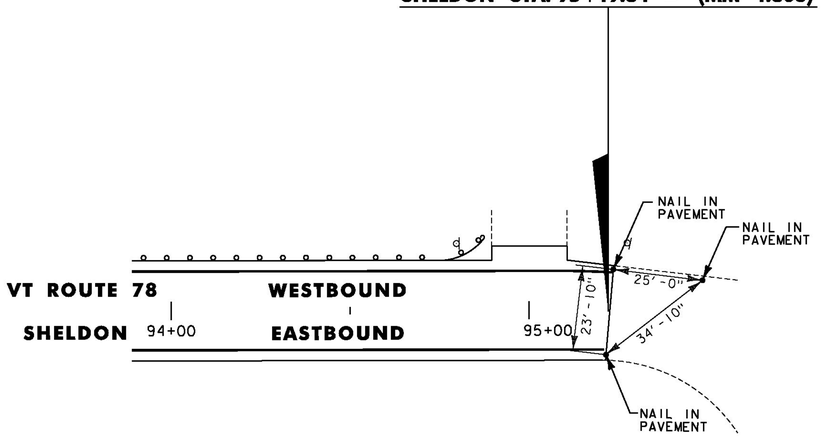
HIGHGATE STA. 162+66 TO 166+08, LT
HIGHGATE STA. 162+66 TO 163+35, RT

BEGIN STP 2715(1) VT ROUTE 78
SWANTON STA. 389+87.52 = (MM 7.384)



VT ROUTE 78 SWANTON BEGIN PROJECT LOCATION TIES

END STP 2715(1) VT ROUTE 78
SHELDON STA. 95+19.84 = (MM 1.803)



VT ROUTE 78 SHELDON END PROJECT LOCATION TIES

NOT TO SCALE

Stantec

MISCELLANEOUS DETAIL SHEET #2

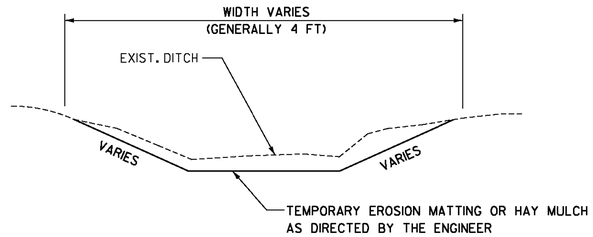
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 17 OF 121

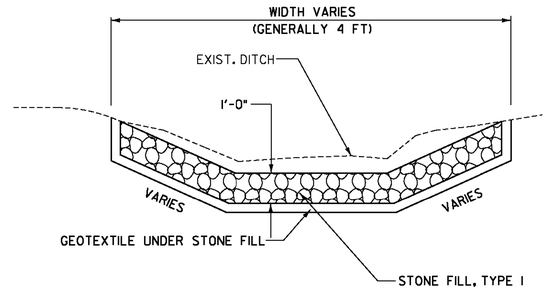
LOCATION				FEET OF DITCHING		MISCELLANEOUS ITEMS				REMARKS
						613.10	649.31	651.15	653.20	
SITE	STATION	STATION	POS.	PERCENT GRADE		STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-2.5	≥2.5	CY	SY	LB	SY	
SWANTON VT ROUTE 78										
1	392+30	395+50	RT	320				2	142	
2	393+60	395+16	LT	156				1	69	
3	395+85	396+55	LT	70				1	31	
4	396+10	397+00	RT	90				1	40	
5	397+30	399+60	LT	230				2	102	
6	397+60	399+15	RT	155				1	69	
7	400+40	404+70	LT	430				3	191	
8	400+70	404+75	RT	405				3	180	
9	405+60	406+20	RT	60				1	27	
10	405+60	406+60	LT	100				1	44	
11	407+40	408+00	LT	60				1	27	
12	407+85	409+20	RT	135				1	60	
13	408+25	409+55	LT	130				1	58	
14	409+20	411+70	RT		250	37	167			
15	410+00	411+10	LT		110	16	73			
16	411+35	414+50	LT		315	47	210			
17	414+50	416+50	LT	200				1	89	
18	427+45	429+58	LT	213				2	95	
19	427+60	429+58	RT	198				1	88	
HIGHGATE VT ROUTE 78										
20	0+00	0+54	RT	54				1	24	
21	0+00	10+56	LT	1056				8	469	
22	0+95	1+50	RT	55				1	24	
23	1+93	5+45	RT	352				3	156	
24	5+67	6+17	RT	50				1	22	
25	6+40	8+15	RT	175				1	78	TOO DEEP, NOT DITCHED.
26	8+92	10+56	RT	164				1	73	
27	10+56	13+20	LT		264	39	176			
28	32+55	33+70	RT	115				1	51	
29	33+95	34+32	RT	37				1	16	
30	44+88	52+80	RT		792	117	528			
31	52+80	56+10	RT	330				2	147	
32	56+60	59+90	RT	330				2	147	
33	60+30	63+36	RT	306				2	136	
34	63+36	66+50	RT		314	47	209			
35	66+80	71+05	RT		425	63	283			
SUBTOTALS				5976	2470	366	1646	47	2655	

LOCATION				FEET OF DITCHING		MISCELLANEOUS ITEMS				REMARKS
						613.10	649.31	651.15	653.20	
SITE	STATION	STATION	POS.	PERCENT GRADE		STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-2.5	≥2.5	CY	SY	LB	SY	
HIGHGATE (CONT.) VT ROUTE 78										
36	67+00	73+25	LT		625	93	417			
37	71+30	73+92	RT		262	39	175			
38	73+90	75+80	LT		190	28	127			
39	77+60	79+20	LT		160	24	107			
40	79+20	84+48	LT	528				4	235	
41	86+00	89+76	LT		376	56	251			
42	111+00	114+10	RT		310	46	207			
43	114+55	116+16	RT		161	24	107			
44	116+80	118+35	RT	155				1	69	
45	118+75	120+91	RT	216				2	96	
46	140+80	144+40	LT	360				3	160	
47	243+70	251+75	RT	805				6	358	
48	253+00	259+99	LT	699				5	311	
49	288+00	295+35	LT		735	109	490			
50	296+00	298+50	LT	250				2	111	
51	301+00	301+75	LT	75				1	33	
52	306+75	316+40	LT		965	143	643			
53	337+40	338+75	LT		135	20	90			
54	357+48	360+09	RT		261	77	290			
55	359+30	360+50	LT		120	18	80			
56	369+50	373+50	LT	400				3	178	
57	394+50	398+75	LT	425				3	189	
SHELDON VT ROUTE 78										
58	31+68	33+00	RT	132				1	59	
59	36+96	43+00	RT		604	89	403			
60	43+75	47+50	LT		375	56	250			
61	47+50	50+60	LT	310				2	138	
62	51+25	52+75	LT	150				1	67	
63	54+00	60+60	LT	660				5	293	
64	60+85	63+50	LT	265				2	118	
65	63+90	66+30	LT	240				2	107	
66	66+70	70+35	LT	365				3	162	
67	70+80	73+92	LT	312				2	139	
SUBTOTALS				6347	5279	822	3637	48	2823	
TOTALS				12323	7749	1188*	5283*	95	5478*	

*TOTALS CARRIED FORWARD TO THE ITEM DETAIL SUMMARY SHEETS (SEE SHEETS 8-11)



DITCH DETAIL 0 – 2.5 PERCENT



DITCH DETAIL 2.5 PERCENT TO 10 PERCENT

NOTES:

1. GRADES BETWEEN 0 AND 2.5 PERCENT SHALL USE ITEM 651.15, SEED AND EITHER ITEM 651.25, HAY MULCH OR ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE ENGINEER.
2. GRADES BETWEEN 2.5 PERCENT TO 10 PERCENT SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I, AS DIRECTED BY THE ENGINEER.
3. PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGHOUT THE PROJECT, SHALL BE PERFORMED AT LOCATIONS INDENTIFIED ON THIS SHEET AND AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

NOT TO SCALE

Stantec

DITCH CLEANING DETAIL SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 18 OF 121

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 390+76 TO 390+98, LT

DETECTABLE WARNING SURFACE
STA. 390+90, LT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 389+87.52 TO 393+50, SOLID LT & RT
STA. 389+87.52 TO 390+80, SOLID RT (LANE LINE)
STA. 391+53, SOLID LT (EDGELINES, MISSISQUOI STREET, TH-73)
STA. 391+53, SOLID LT (LANE LINE, MISSISQUOI STREET, TH-73)
STA. 391+53, SOLID RT (EDGELINES, ROBIN HOOD DRIVE, TH-69)
STA. 392+01 TO 393+50, SOLID LT (LANE LINES) (2)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 389+87.52 TO 390+80, DOUBLE SOLID LT
STA. 391+53, DOUBLE SOLID LT (MISSISQUOI STREET, TH-73)
STA. 391+53, DOUBLE SOLID RT (ROBIN HOOD DRIVE, TH-69)
STA. 391+99 TO 393+50, DOUBLE SOLID RT

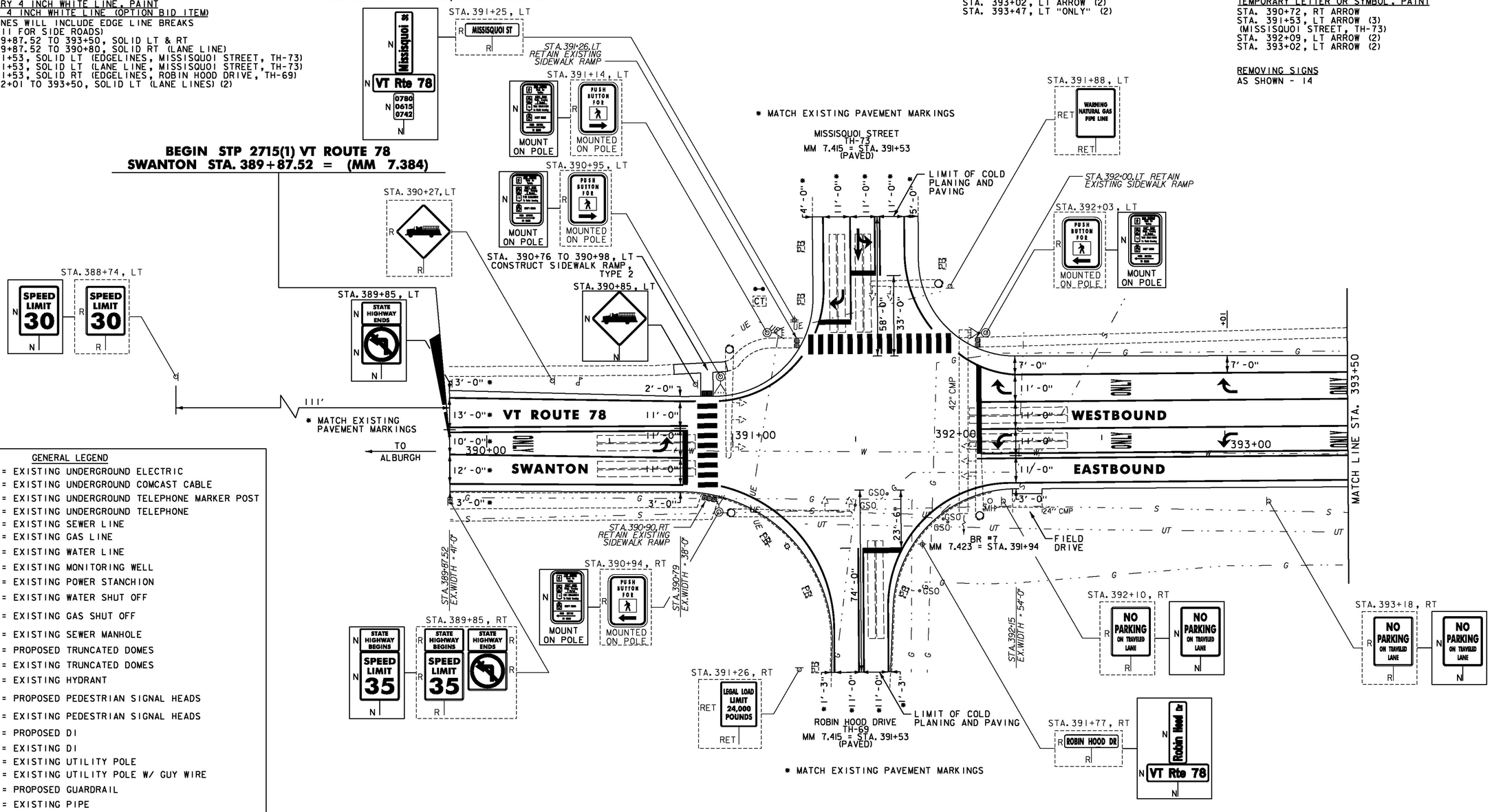
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 390+81, RT
STA. 391+53, LT (MISSISQUOI STREET, TH-73)
STA. 391+53, LT (MISSISQUOI STREET, TH-73)
STA. 391+53, RT (ROBIN HOOD DRIVE, TH-69)
STA. 392+00, LT

DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 390+15, RT "ONLY"
STA. 390+72, RT ARROW
STA. 391+53, LT ARROW (3) (MISSISQUOI STREET, TH-73)
STA. 392+09, LT ARROW (2)
STA. 392+58, LT "ONLY" (2)
STA. 393+02, LT ARROW (2)
STA. 393+47, LT "ONLY" (2)

TEMPORARY CROSSWALK MARKING, PAINT
DURABLE CROSSWALK MARKING (OPTION BID ITEM)
STA. 390+90, LT TO RT
STA. 391+53, LT (MISSISQUOI STREET, TH-73)
SEE SHEET 16 TYPICAL

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 390+72, RT ARROW
STA. 391+53, LT ARROW (3) (MISSISQUOI STREET, TH-73)
STA. 392+09, LT ARROW (2)
STA. 393+02, LT ARROW (2)

REMOVING SIGNS
AS SHOWN - 14



GENERAL LEGEND

- UE — = EXISTING UNDERGROUND ELECTRIC
- UEC — = EXISTING UNDERGROUND COMCAST CABLE
UT = EXISTING UNDERGROUND TELEPHONE MARKER POST
- UT — = EXISTING UNDERGROUND TELEPHONE
- S — = EXISTING SEWER LINE
- G — = EXISTING GAS LINE
- W — = EXISTING WATER LINE
MW = EXISTING MONITORING WELL
= EXISTING POWER STANCHION
WSO = EXISTING WATER SHUT OFF
GSO = EXISTING GAS SHUT OFF
SMH = EXISTING SEWER MANHOLE
= PROPOSED TRUNCATED DOMES
= EXISTING TRUNCATED DOMES
= EXISTING HYDRANT
= PROPOSED PEDESTRIAN SIGNAL HEADS
= EXISTING PEDESTRIAN SIGNAL HEADS
= PROPOSED DI
= EXISTING DI
= EXISTING UTILITY POLE
= EXISTING UTILITY POLE W/ GUY WIRE
= PROPOSED GUARDRAIL
= EXISTING PIPE
= EXISTING HEADWALL
= EXISTING MAILBOX
= SINGLE SIGN POST - SINGLE SIGN
= SINGLE SIGN POST - MULTIPLE SIGNS
= DOUBLE SIGN POST
= EXISTING TREE
-x——x = EXISTING FENCE
= PROPOSED SLOPE EROSION REPAIR AREAS. SEE SHEET 17 FOR DETAILS

SIGN LEGEND
N = NEW
R = REMOVE
S = SALVAGED
RET = RETAIN
B-B = BACK TO BACK

NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. ALL GAS VALVES ARE TO BE ADJUSTED BY OTHERS.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.
4. SEE SHEET 120 FOR TRAFFIC SIGNAL DETAILS.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #1

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 19 OF 121

REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 393+50 TO 398+50, SOLID LT & RT
STA. 393+50 TO 394+00, SOLID LT (LANE LINE) (2)
STA. 394+00 TO 395+00, DOTTED LT & RT
STA. 395+00 TO 395+50, SOLID RT (LANE LINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 393+50 TO 394+50, DOUBLE SOLID RT
STA. 394+50 TO 395+50, DOUBLE SOLID LT
STA. 396+58 TO 398+50, DOUBLE SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
DURABLE 8 INCH WHITE LINE (OPTION BID ITEM)
STA. 393+67 TO 393+79, SOLID LT (HYDRANT)
SEE DETAIL ON SHEET 16

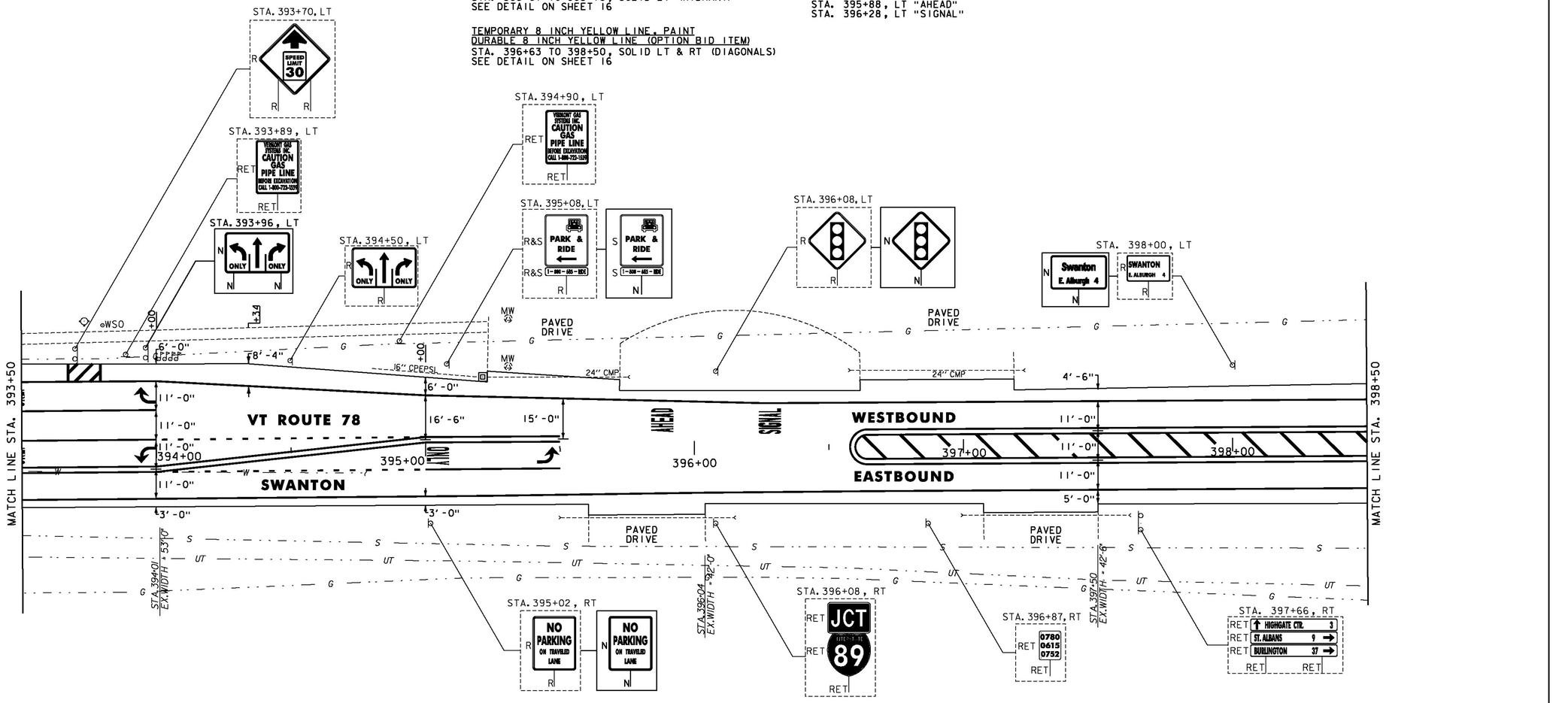
TEMPORARY 8 INCH YELLOW LINE, PAINT
DURABLE 8 INCH YELLOW LINE (OPTION BID ITEM)
STA. 396+63 TO 398+50, SOLID LT & RT (DIAGONALS)
SEE DETAIL ON SHEET 16

DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 393+95, LT ARROW (2)
STA. 395+04, RT "ONLY"
STA. 395+45, RT ARROW
STA. 395+88, LT "AHEAD"
STA. 396+28, LT "SIGNAL"

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 393+95, LT ARROW (2)
STA. 395+45, RT ARROW
STA. 395+88, LT "AHEAD"
STA. 396+28, LT "SIGNAL"

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #2

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 20 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 398+50 TO 403+50, SOLID LT & RT
STA. 400+50 TO 401+91, SOLID LT (LANE LINE)
STA. 401+91 TO 403+32, DOTTED LT & RT
STA. 403+32 TO 403+50, SOLID RT (LANE LINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 398+50 TO 399+87, DOUBLE SOLID LT & RT
STA. 400+50 TO 402+50, DOUBLE SOLID RT
STA. 402+50 TO 403+50, DOUBLE SOLID LT

TEMPORARY 6 INCH WHITE LINE, PAINT
DURABLE 6 INCH WHITE LINE (OPTION BID ITEM)
STA. 399+89, SOLID LT (EDGELINE, I89 SB OFF-RAMP B)
STA. 399+89, SOLID RT (EDGELINE, I89 SB ON-RAMP A)

TEMPORARY 6 INCH YELLOW LINE, PAINT
DURABLE 6 INCH YELLOW LINE (OPTION BID ITEM)
STA. 399+89, SOLID LT (EDGELINE, I89 SB OFF-RAMP B)
STA. 399+89, SOLID RT (EDGELINE, I89 SB ON-RAMP A)

TEMPORARY 8 INCH YELLOW LINE, PAINT
DURABLE 8 INCH YELLOW LINE (OPTION BID ITEM)
STA. 398+50 TO 399+82, SOLID LT & RT (DIAGONALS)
SEE DETAIL ON SHEET 16

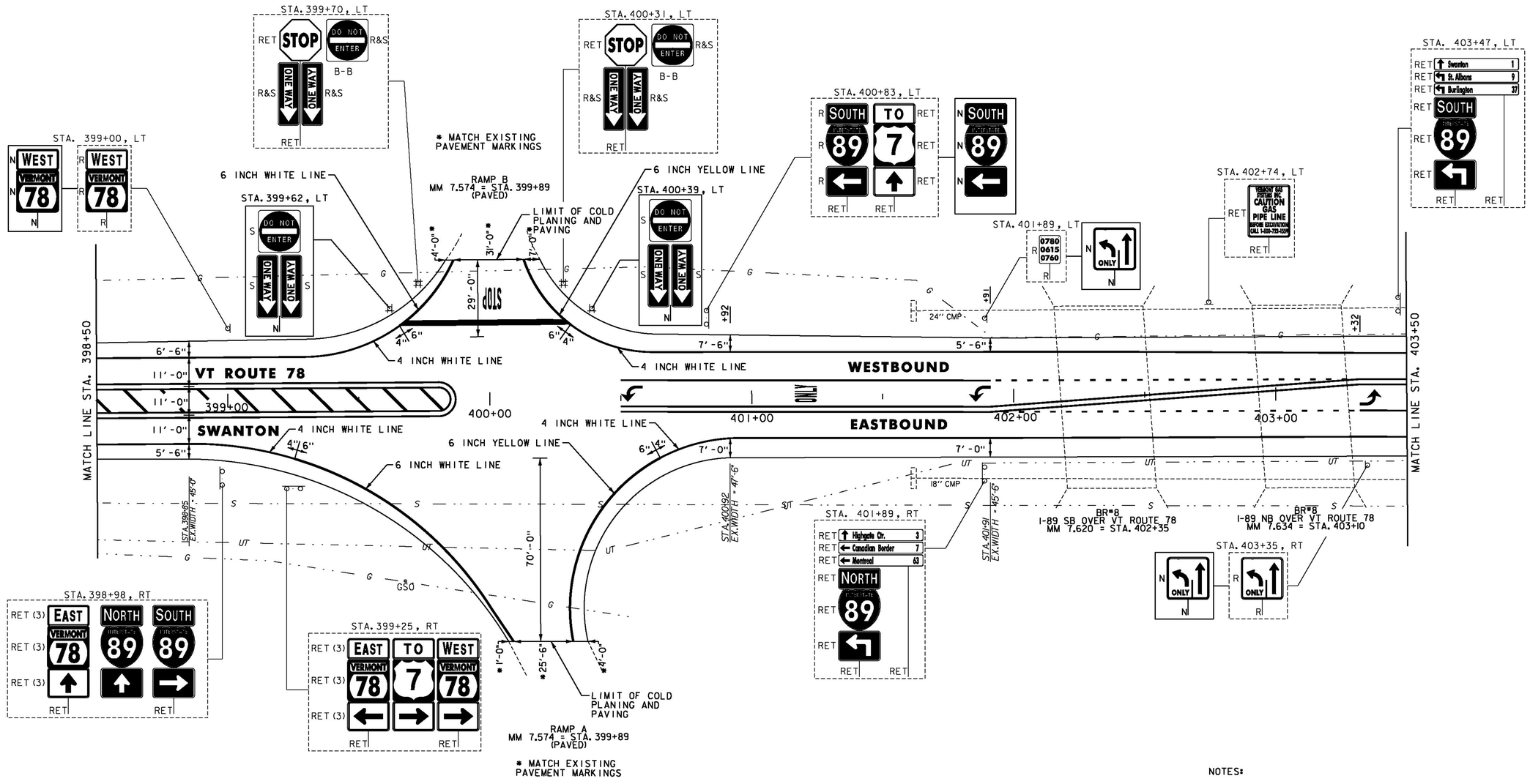
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 399+89, LT (RAMP B)

DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 399+89, LT "STOP" (RAMP B)
STA. 400+54, LT ARROW
STA. 401+21, LT "ONLY"
STA. 401+87, LT ARROW
STA. 403+36, RT ARROW

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 399+89, LT "STOP" (RAMP B)
STA. 400+54, LT ARROW
STA. 401+87, LT ARROW
STA. 403+36, RT ARROW

REMOVING SIGNS
AS SHOWN - 13

ERECTING SALVAGED SIGNS
AS SHOWN - 6



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #3

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 21 OF 121

REHAB. Dis. CBs OR MHs. CLASS I OR II
SEE SHEET 13

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 403+50 TO 408+50, SOLID LT & RT
STA. 403+50 TO 404+75, SOLID RT (LANE LINE)
STA. 406+97, SOLID LT (EDGELINES, FRONTAGE ROAD, TH-9)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 403+50 TO 404+75, DOUBLE SOLID LT
STA. 405+39 TO 406+80, DOUBLE SOLID LT & RT
STA. 406+97, DOUBLE SOLID LT (FRONTAGE ROAD, TH-9)
STA. 407+30 TO 408+50, SOLID LT & RT

TEMPORARY 6 INCH WHITE LINE, PAINT
DURABLE 6 INCH WHITE LINE (OPTION BID ITEM)
STA. 405+37, SOLID LT (EDGELINE, I89 NB ON-RAMP D)
STA. 405+37, SOLID RT (EDGELINE, I89 NB OFF-RAMP C)

TEMPORARY 6 INCH YELLOW LINE, PAINT
DURABLE 6 INCH YELLOW LINE (OPTION BID ITEM)
STA. 405+37, SOLID LT (EDGELINE, I89 NB ON-RAMP D)
STA. 405+37, SOLID RT (EDGELINE, I89 NB OFF-RAMP C)

TEMPORARY 8 INCH YELLOW LINE, PAINT
DURABLE 8 INCH YELLOW LINE (OPTION BID ITEM)
STA. 405+41 TO 406+77, SOLID LT & RT (DIAGONALS SEE DETAIL ON SHEET 16

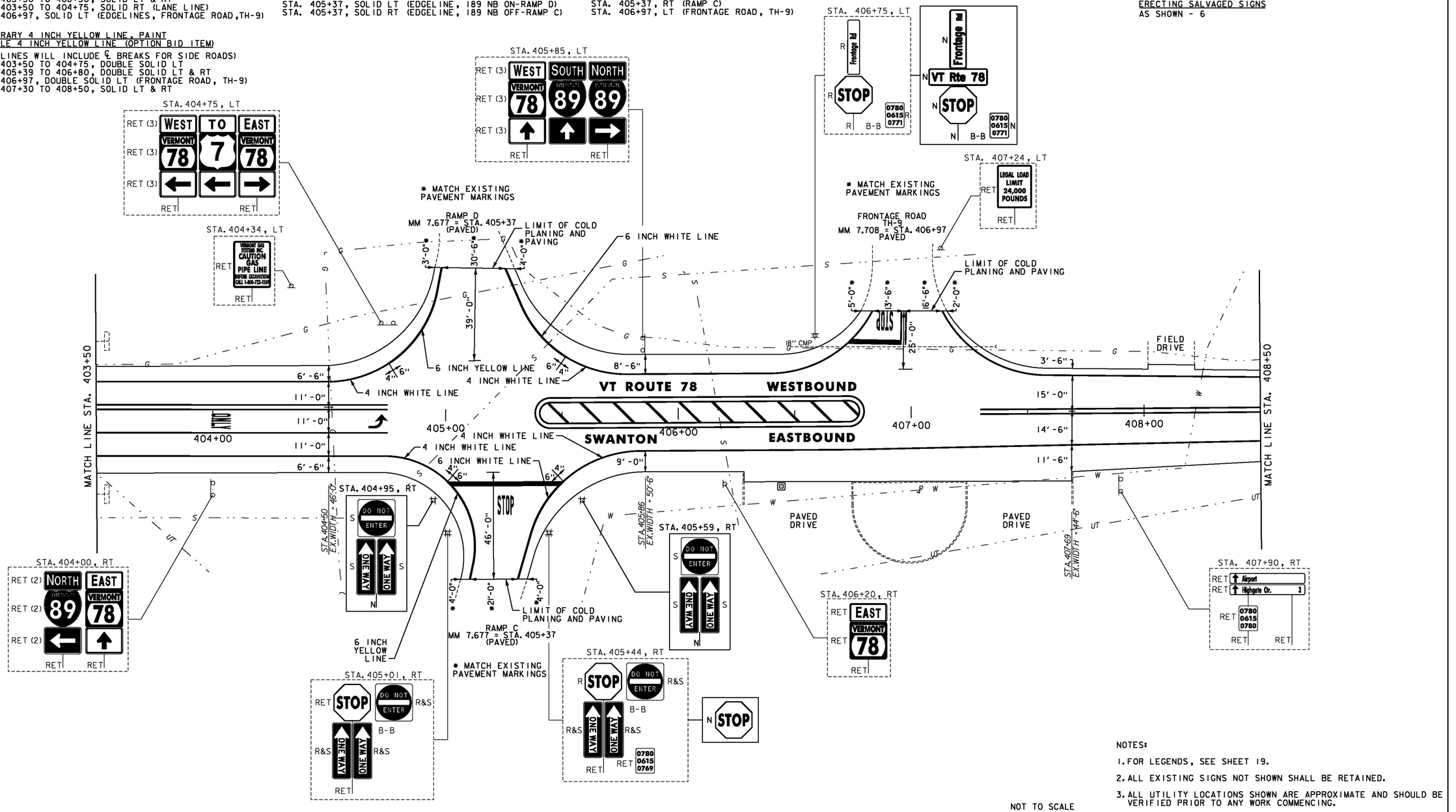
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 405+37, RT (RAMP C)
STA. 406+97, LT (FRONTAGE ROAD, TH-9)

DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 404+04, RT "ONLY"
STA. 404+71, RT ARROW
STA. 405+37, RT "STOP" (RAMP C)
STA. 406+97, LT "STOP" (FRONTAGE ROAD, TH-9)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 404+71, RT ARROW
STA. 405+37, RT "STOP" (RAMP C)
STA. 406+97, LT "STOP"

REMOVING SIGNS
AS SHOWN - 10

ERECTING SALVAGED SIGNS
AS SHOWN - 6



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #4

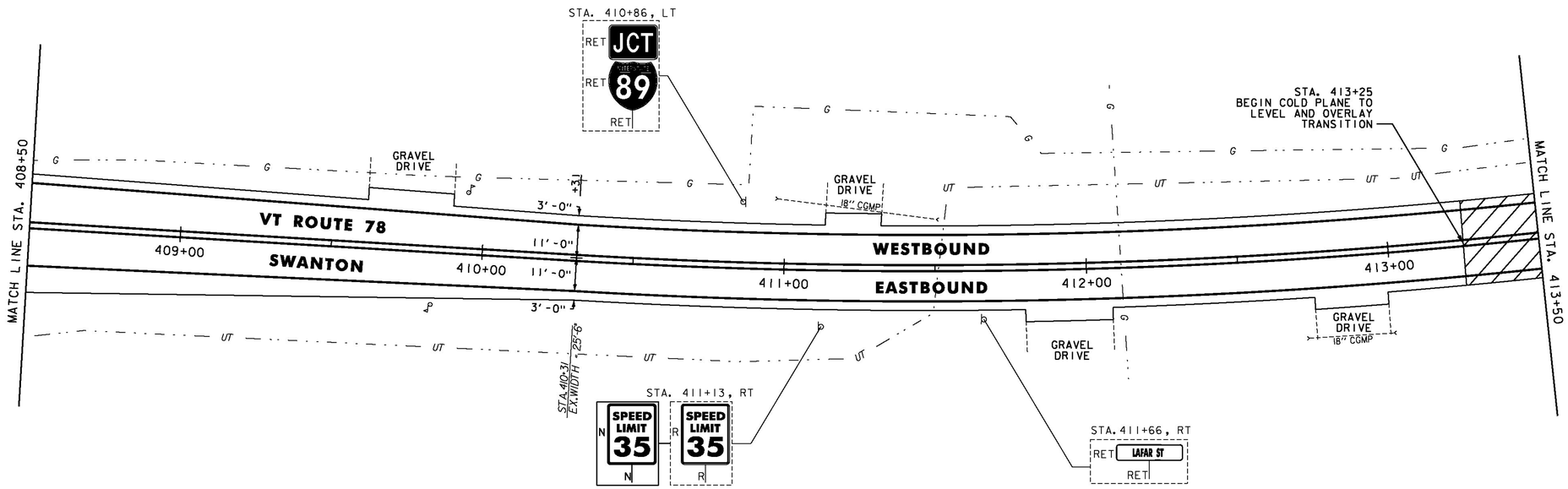
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 22 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 408+50 TO 413+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 408+50 TO 413+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



COLD PLANE TRANSITION AREA
(FOR DETAIL, SEE SHEET 3)

NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #5

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 23 OF 121

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 414+08.0 TO 414+83.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 414+08.0, LT
STA. 414+83.0, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 414+08.0 TO 414+83.0, LT

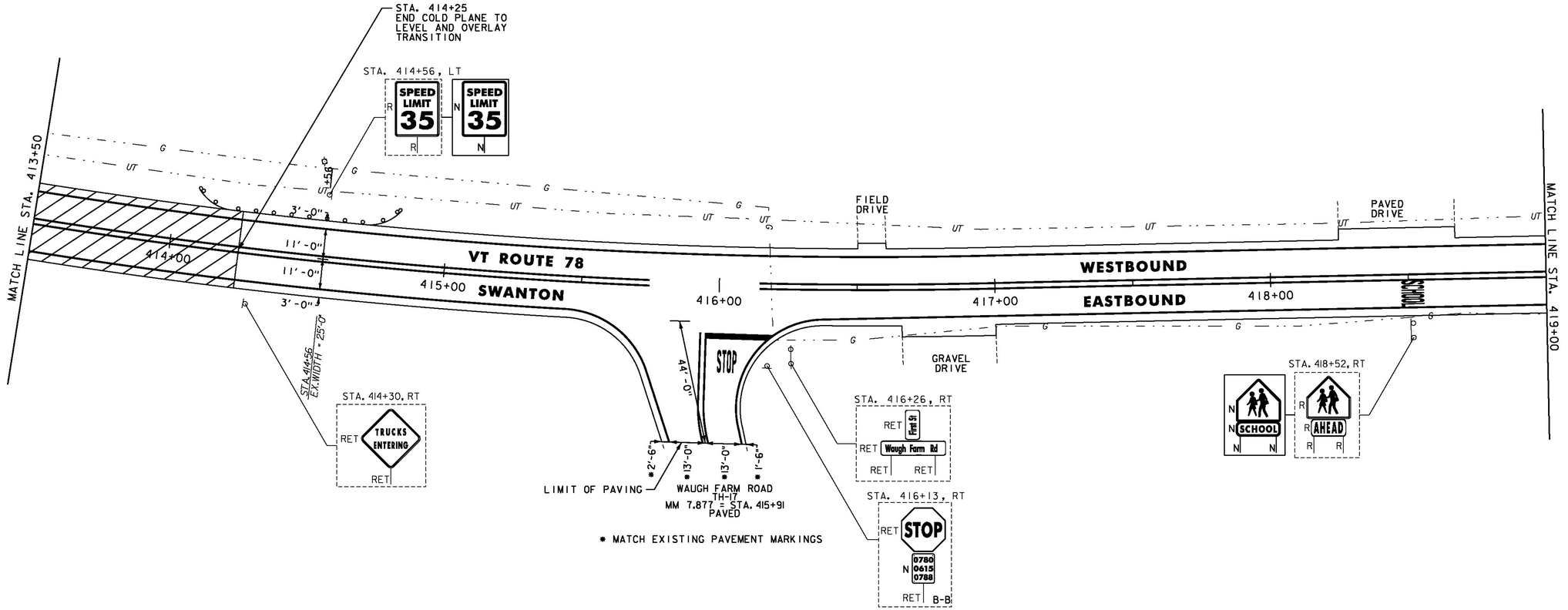
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 413+50 TO 419+00, SOLID LT & RT
STA. 415+91, SOLID RT (EDGELINES, WAUGH FARM ROAD, TH-17)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 413+50 TO 419+00, SOLID LT & RT
STA. 415+91, DOUBLE SOLID RT (WAUGH FARM ROAD, TH-17)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 415+91, RT (WAUGH FARM ROAD, TH-17)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 415+91, RT "STOP" (WAUGH FARM ROAD, TH-17)
STA. 418+52, RT "SCHOOL"

REMOVING SIGNS
AS SHOWN - 3



COLD PLANE TRANSITION AREA
(FOR DETAIL, SEE SHEET 3)

NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #6

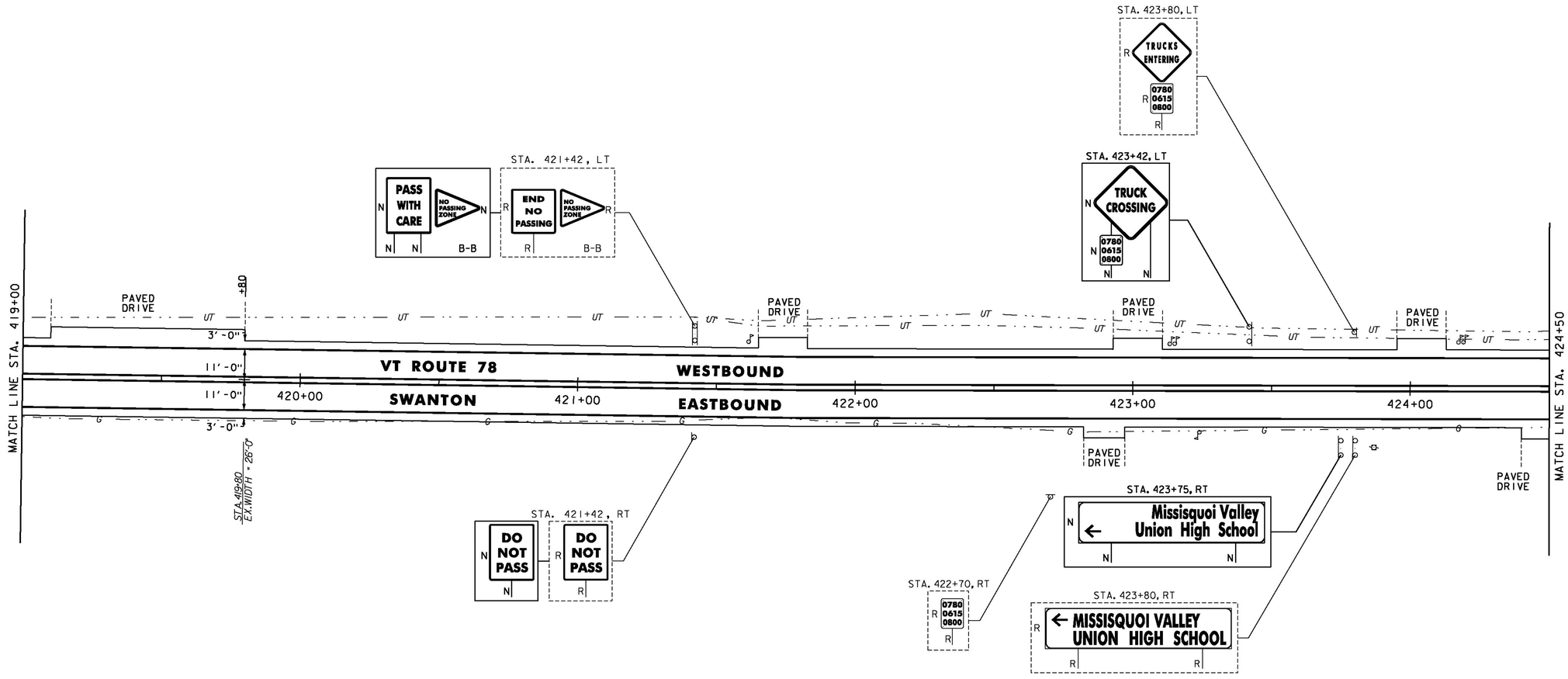
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 24 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 419+00 TO 424+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 419+00 TO 424+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 7



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #7

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 25 OF 121

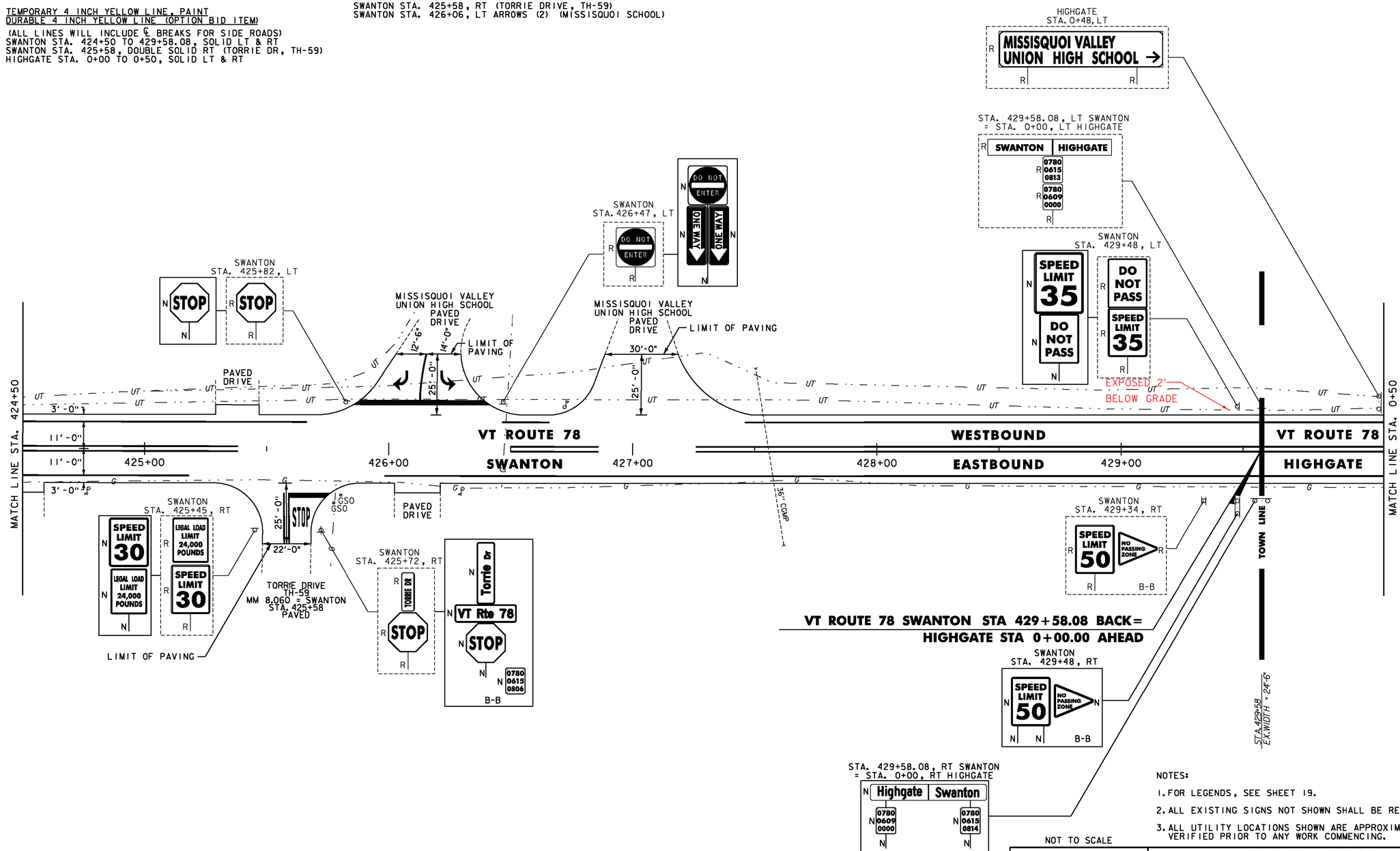
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
SWANTON STA. 424+50 TO 429+58.08, SOLID LT & RT
SWANTON STA. 426+13, SOLID LT (LANE LINE)
HIGHGATE STA. 0+00 TO 0+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
SWANTON STA. 424+50 TO 429+58.08, SOLID LT & RT
SWANTON STA. 425+58, DOUBLE SOLID RT (TORRIE DR, TH-59)
HIGHGATE STA. 0+00 TO 0+50, SOLID LT & RT

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
SWANTON STA. 425+58, RT (TORRIE DRIVE, TH-59)
SWANTON STA. 426+06, LT (MISSISQUOI SCHOOL)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
SWANTON STA. 425+58, RT (TORRIE DRIVE, TH-59)
SWANTON STA. 426+06, LT ARROWS (2) (MISSISQUOI SCHOOL)

REMOVING SIGNS
AS SHOWN - 14



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #8

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

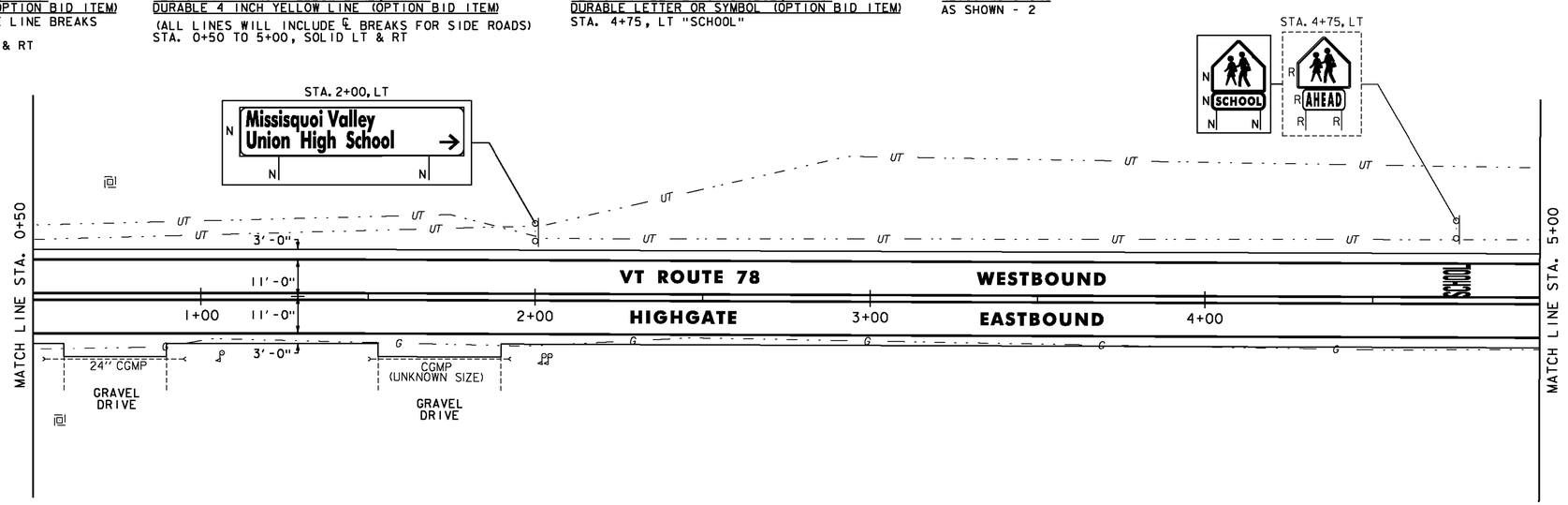
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 26 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 0+50 TO 5+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 0+50 TO 5+00, SOLID LT & RT

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 4+75, LT "SCHOOL"

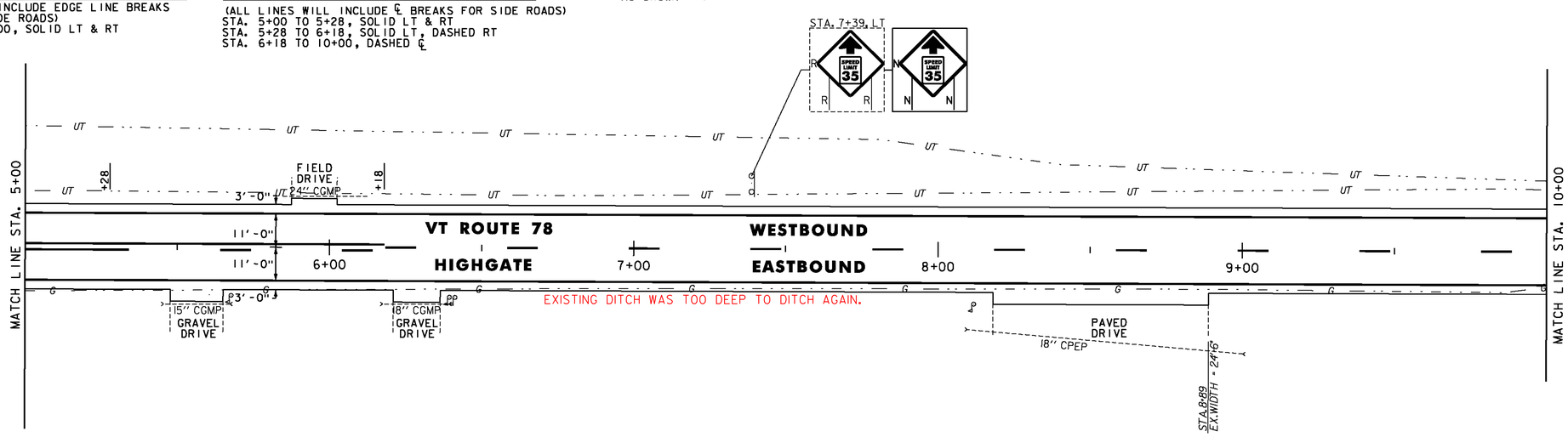
REMOVING SIGNS
AS SHOWN - 2



TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 5+00 TO 10+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 5+00 TO 5+28, SOLID LT & RT
STA. 5+28 TO 6+18, SOLID LT, DASHED RT
STA. 6+18 TO 10+00, DASHED ℄

REMOVING SIGNS
AS SHOWN - 1



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #9

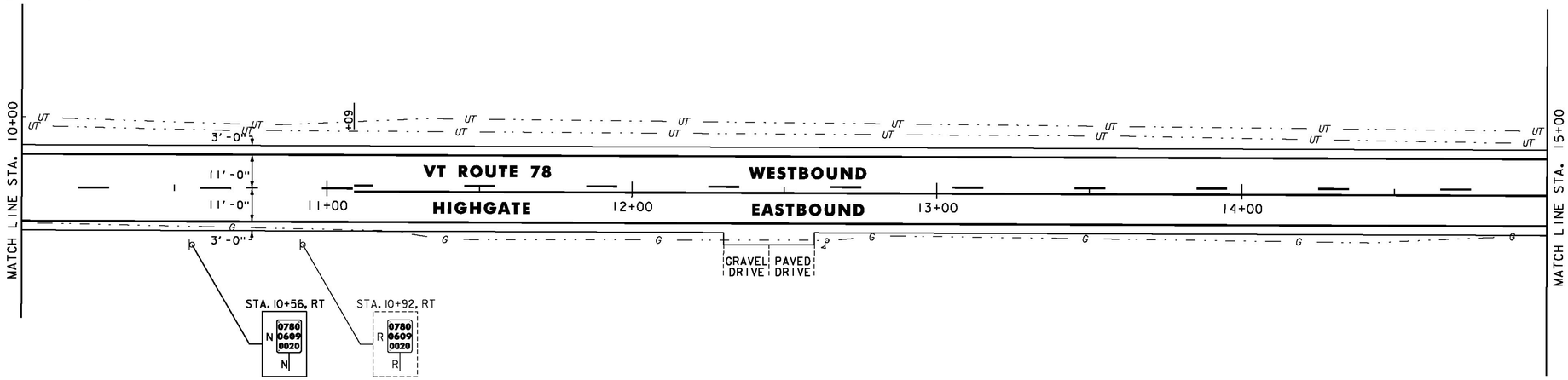
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 27 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 10+00 TO 15+00, SOLID LT & RT

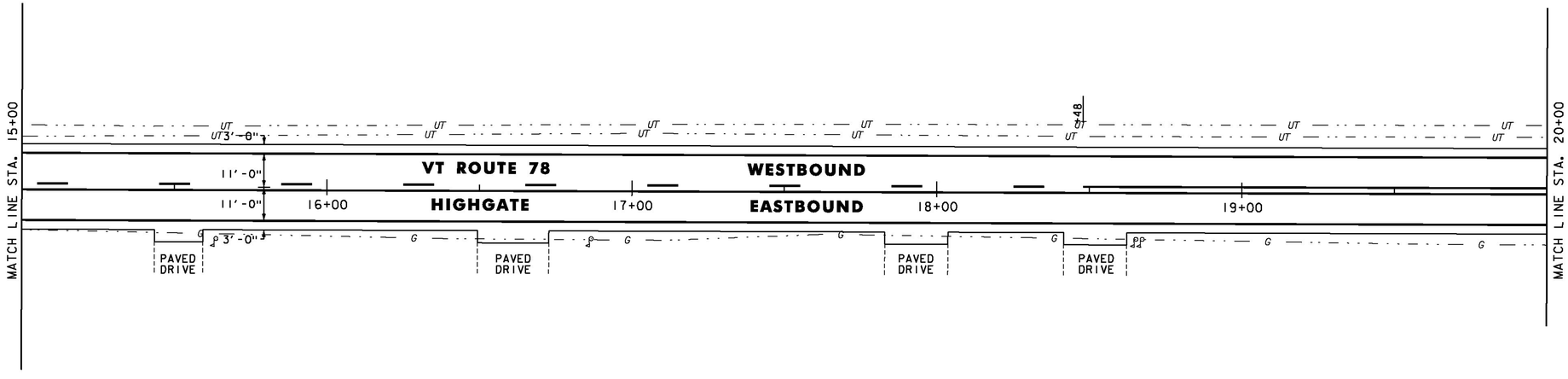
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 10+00 TO 11+09, DASHED ℄
STA. 11+09 TO 15+00, DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 1



TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 15+00 TO 20+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 15+00 TO 18+48, DASHED LT, SOLID RT
STA. 18+48 TO 20+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #10

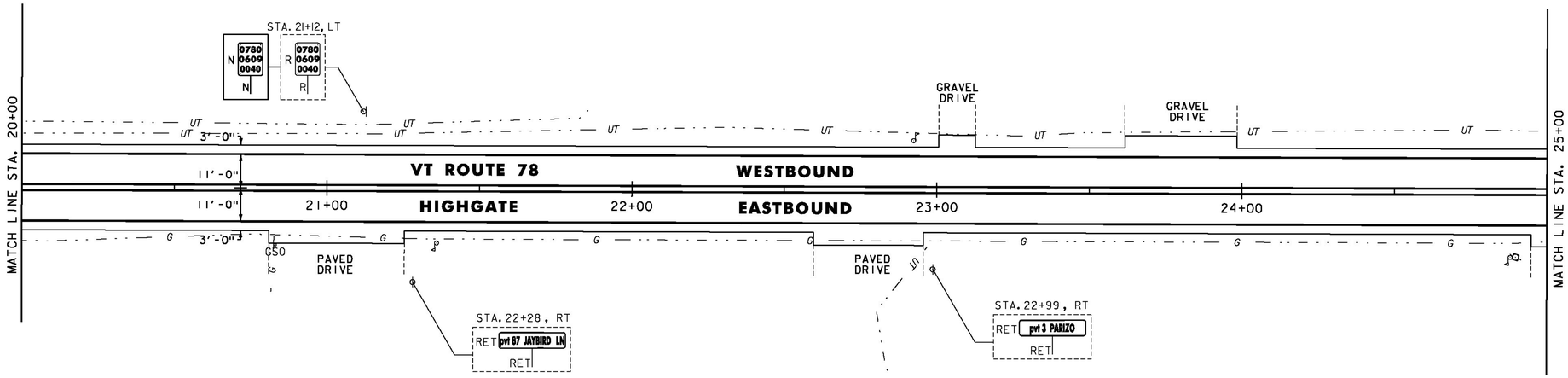
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 28 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 20+00 TO 25+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 20+00 TO 25+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



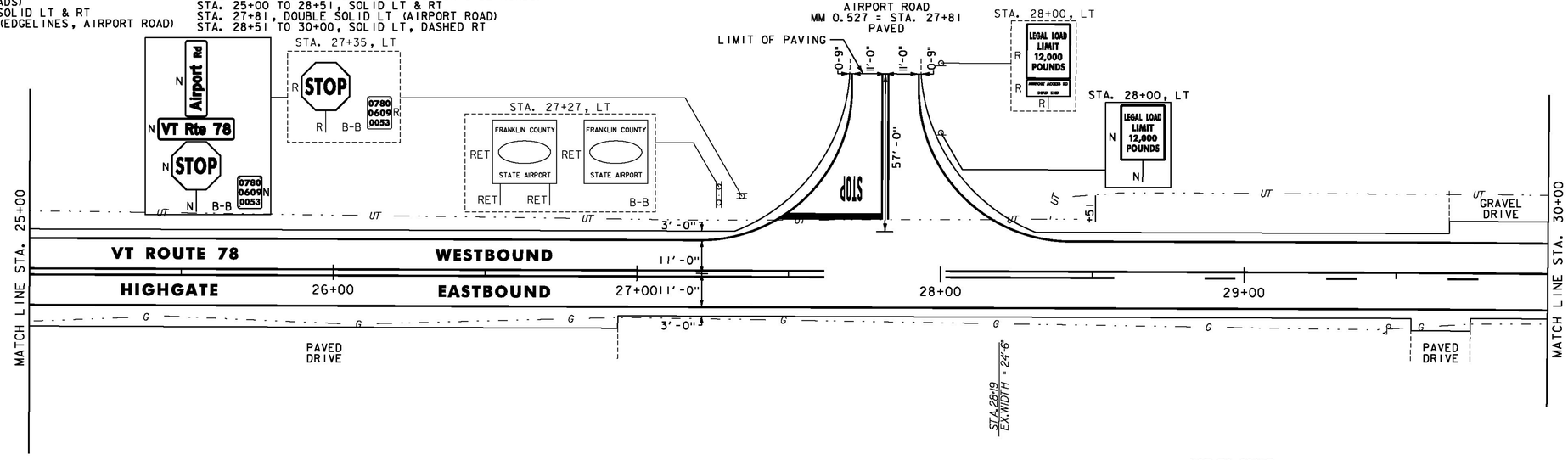
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 25+00 TO 30+00, SOLID LT & RT
STA. 27+81, SOLID LT (EDGELINES, AIRPORT ROAD)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 25+00 TO 28+51, SOLID LT & RT
STA. 27+81, DOUBLE SOLID LT (AIRPORT ROAD)
STA. 28+51 TO 30+00, SOLID LT, DASHED RT

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 27+81, LT (AIRPORT ROAD)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 27+81, LT "STOP" (AIRPORT ROAD)

REMOVING SIGNS
AS SHOWN - 4



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #11

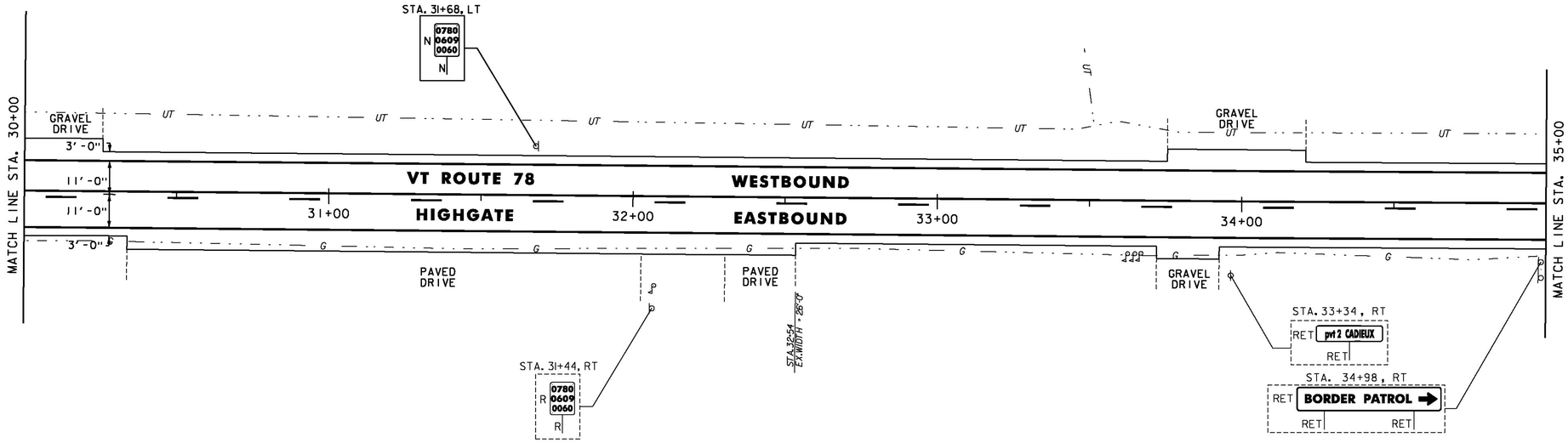
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 29 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 30+00 TO 35+00, SOLID LT & RT

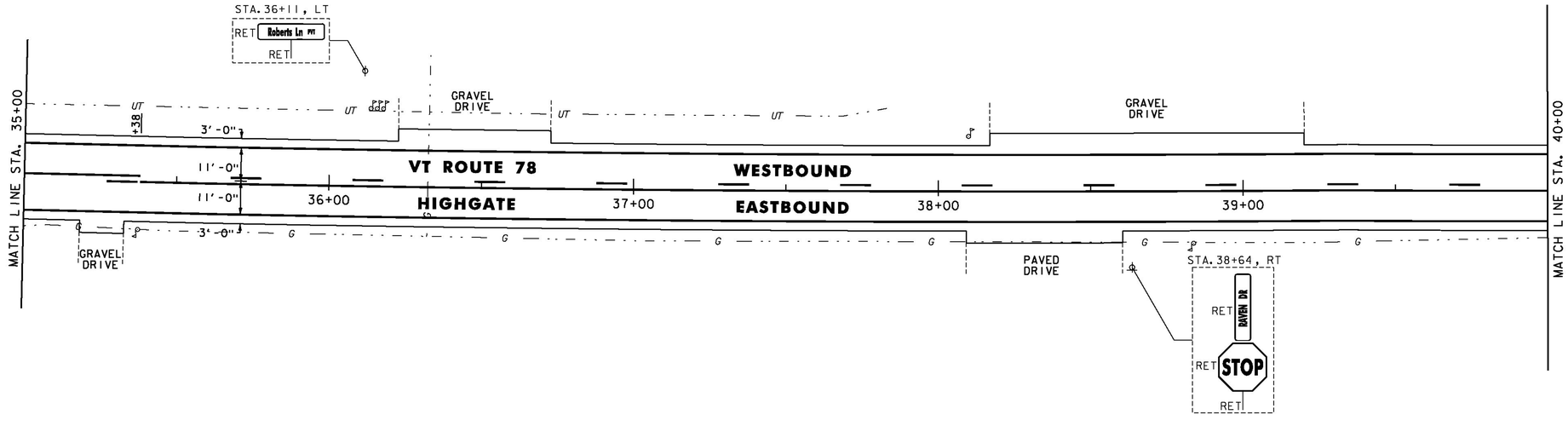
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 30+00 TO 35+00, SOLID LT, DASHED RT

REMOVING SIGNS
AS SHOWN - 1



TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 35+00 TO 40+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 35+00 TO 35+38, SOLID LT, DASHED RT
STA. 35+38 TO 40+00, DASHED LT, SOLID RT



NOT TO SCALE

NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

Stantec

PROJECT LAYOUT SHEET #12

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

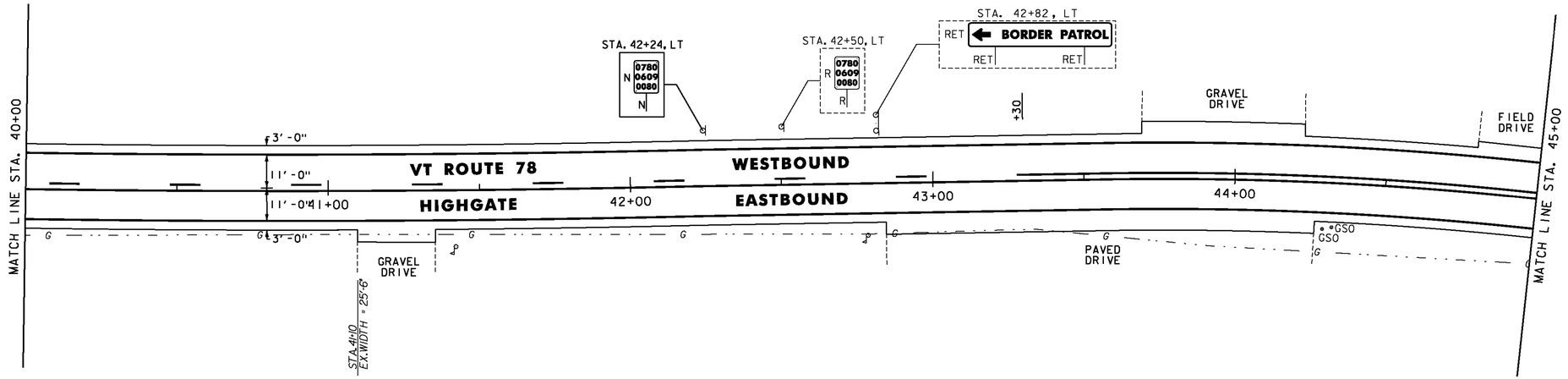
FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 30 OF 121

MILLED RUMBLE STRIPS
~~STA. 44+35 TO 45+00, ℄~~

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 40+00 TO 45+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 40+00 TO 43+30, DASHED LT, SOLID RT
STA. 43+30 TO 45+00, SOLID LT & RT

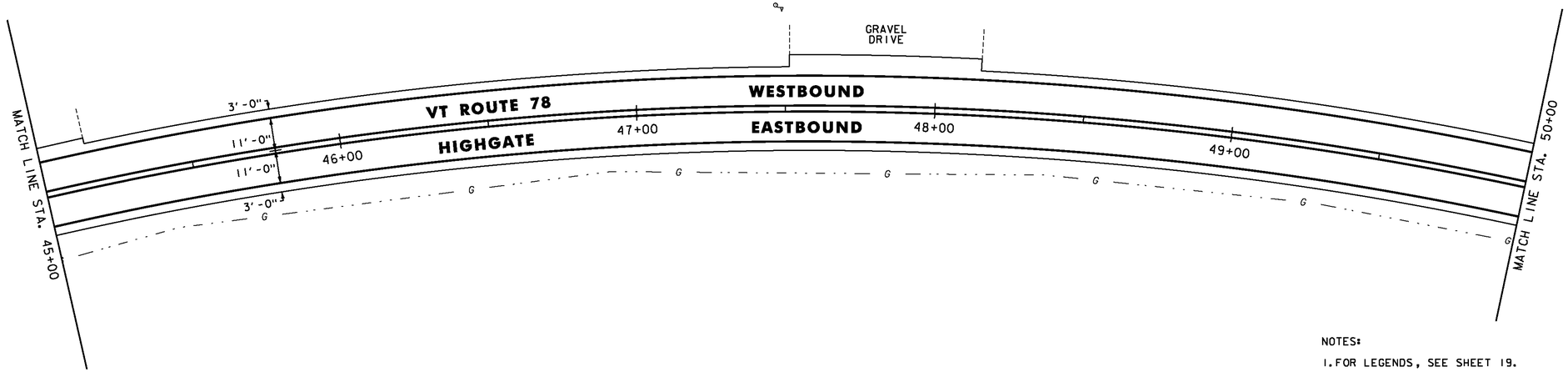
REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. ~~45+00~~ 46+15 TO 50+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 45+00 TO 50+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 45+00 TO 50+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #13

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

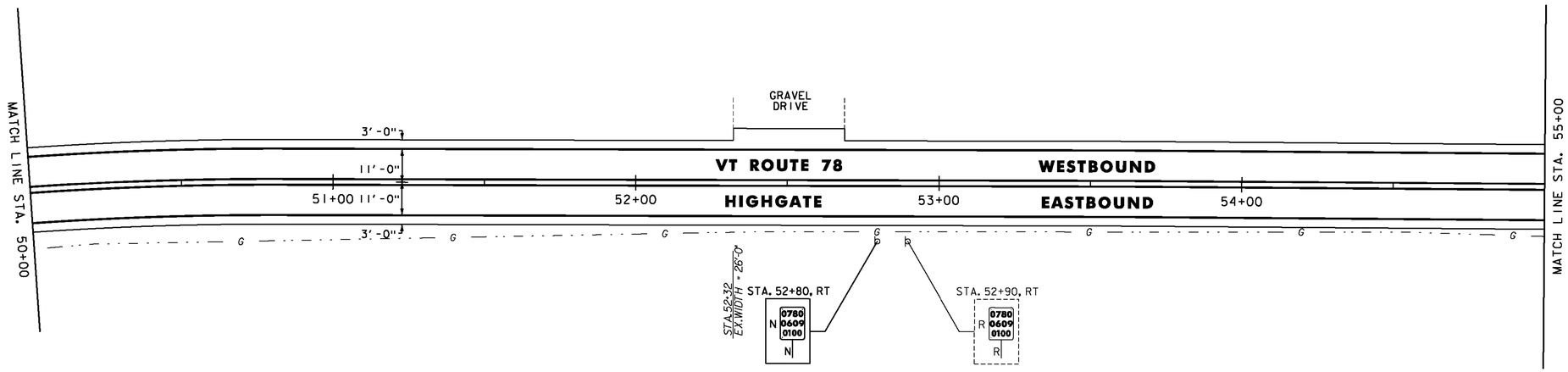
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 31 OF 121

MILLED RUMBLE STRIPS
STA. 50+00 TO ~~55+00~~ 53+49, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 50+00 TO 55+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 50+00 TO 55+00, SOLID LT & RT

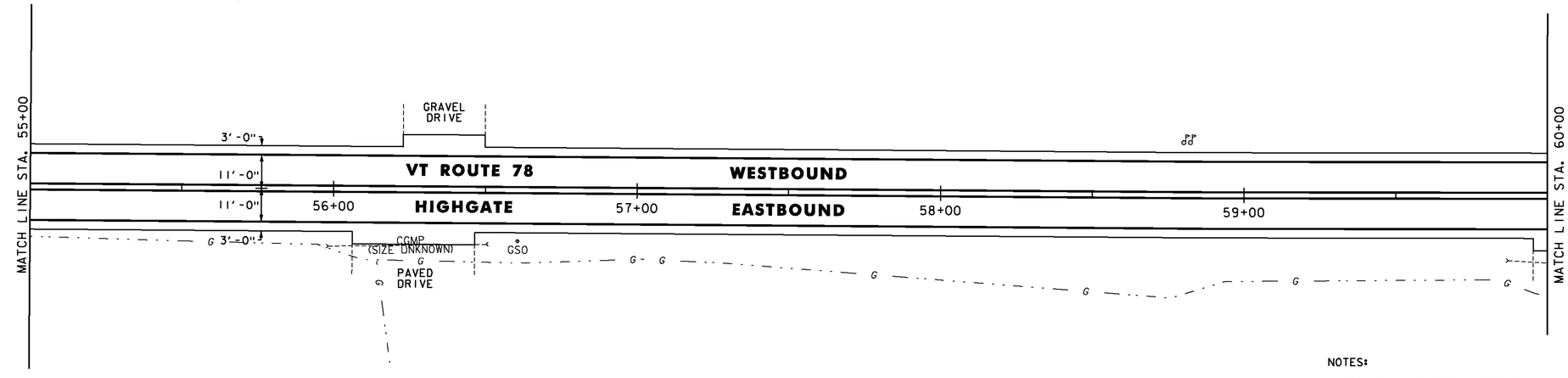
REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. 55+00 TO 60+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 55+00 TO 60+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 55+00 TO 60+00, SOLID LT & RT



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #14

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

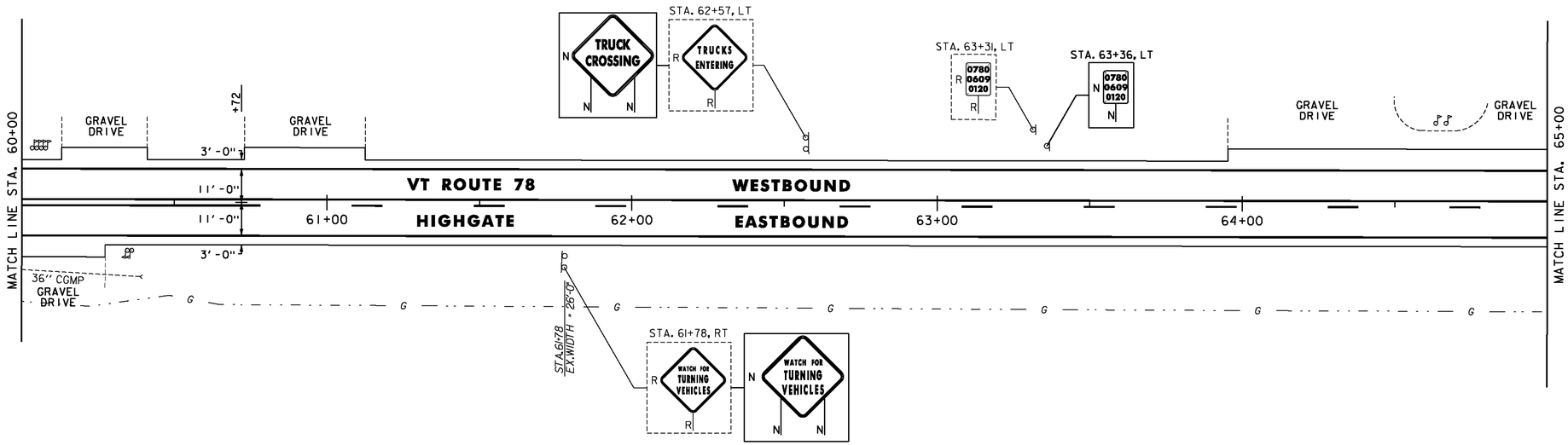
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 32 OF 121

MILLED RUMBLE STRIPS
STA. ~~60+00 TO 60+50~~, ℄
64+52 TO 65+00

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 60+00 TO 65+00, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 60+00 TO 60+72, SOLID LT & RT
STA. 60+72 TO 65+00, SOLID LT, DASHED RT

REMOVING SIGNS
AS SHOWN - 3



STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 67+17.0 TO 67+42.0~~, RT

MILLED RUMBLE STRIPS
STA. 65+00 TO 70+00

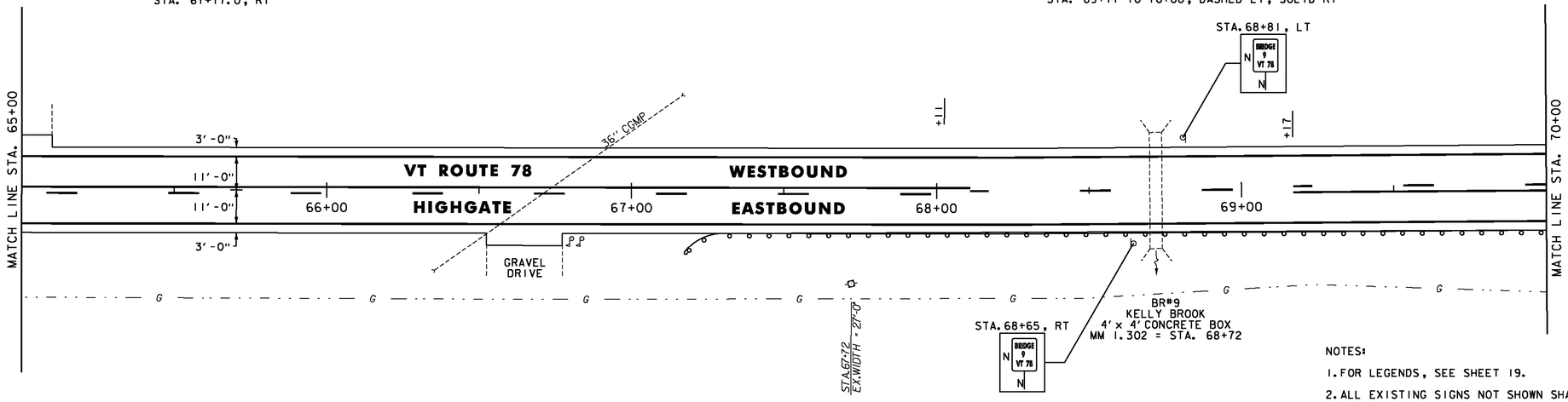
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. ~~67+42.0 TO 70+00.0~~, RT
67+17.0 TO 70+29.5 (316.5 LF)

ANCHOR FOR STEEL BEAM RAIL
STA. 67+17.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 67+17.0 TO 70+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 65+00 TO 70+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 65+00 TO 68+11, SOLID LT, DASHED RT
STA. 68+11 TO 69+17, DASHED ℄
STA. 69+17 TO 70+00, DASHED LT, SOLID RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #15

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 33 OF 121

THINNING AND TRIMMING
STA. 70+30 TO 73+35, LT
STA. 73+80 TO 75+00, LT

MILLED RUMBLE STRIPS
STA. 70+00 TO 75+00

STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 70+04.5 TO 70+29.5, RT~~

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 70+00.0 TO ~~70+04.5~~ 70+29.5, RT

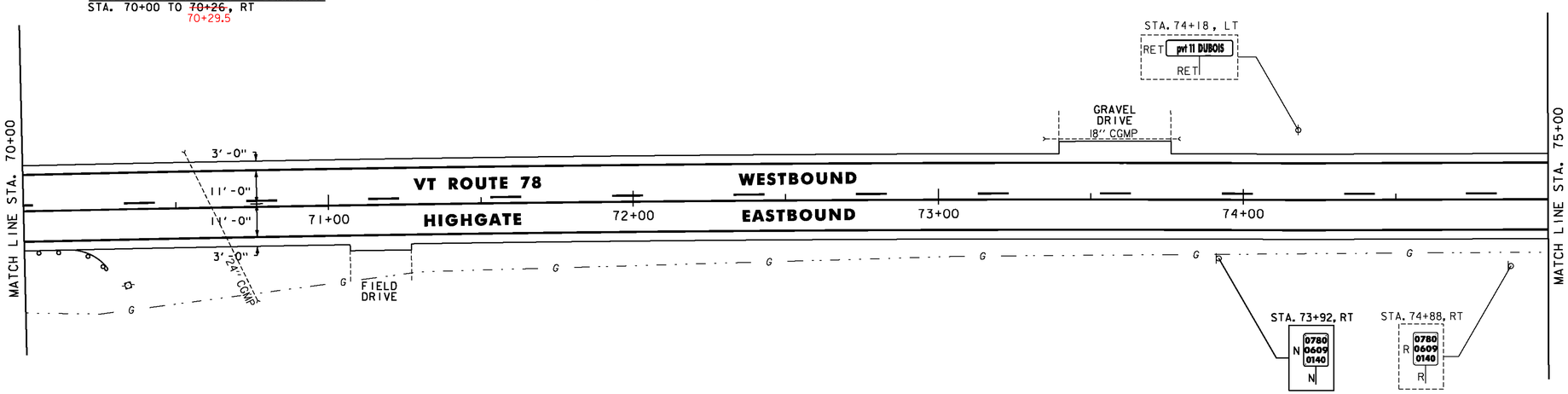
ANCHOR FOR STEEL BEAM RAIL
STA. 70+29.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 70+00 TO ~~70+26~~ 70+29.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 70+00 TO 75+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 70+00 TO 75+00, DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 1



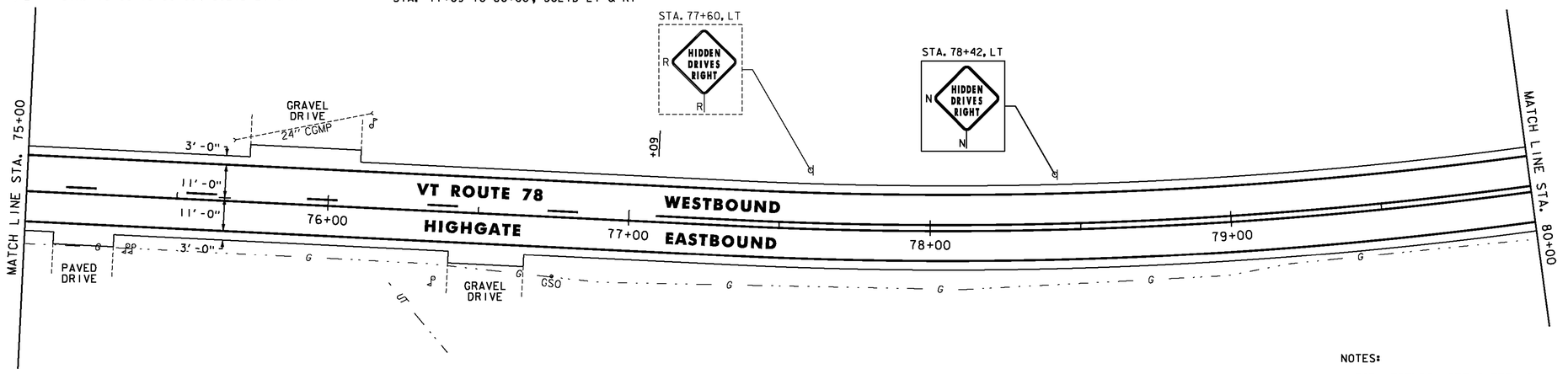
THINNING AND TRIMMING
STA. 75+00 TO 75+65, LT

MILLED RUMBLE STRIPS
STA. ~~77+50~~ 75+00 TO 80+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 75+00 TO 80+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 75+00 TO 77+09, DASHED LT, SOLID RT
STA. 77+09 TO 80+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #16

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 34 OF 121

MILLED RUMBLE STRIPS
STA. 80+00 TO 85+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 83+08.5 TO 83+33.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 83+33.5 TO 85+00.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 83+08.5, RT

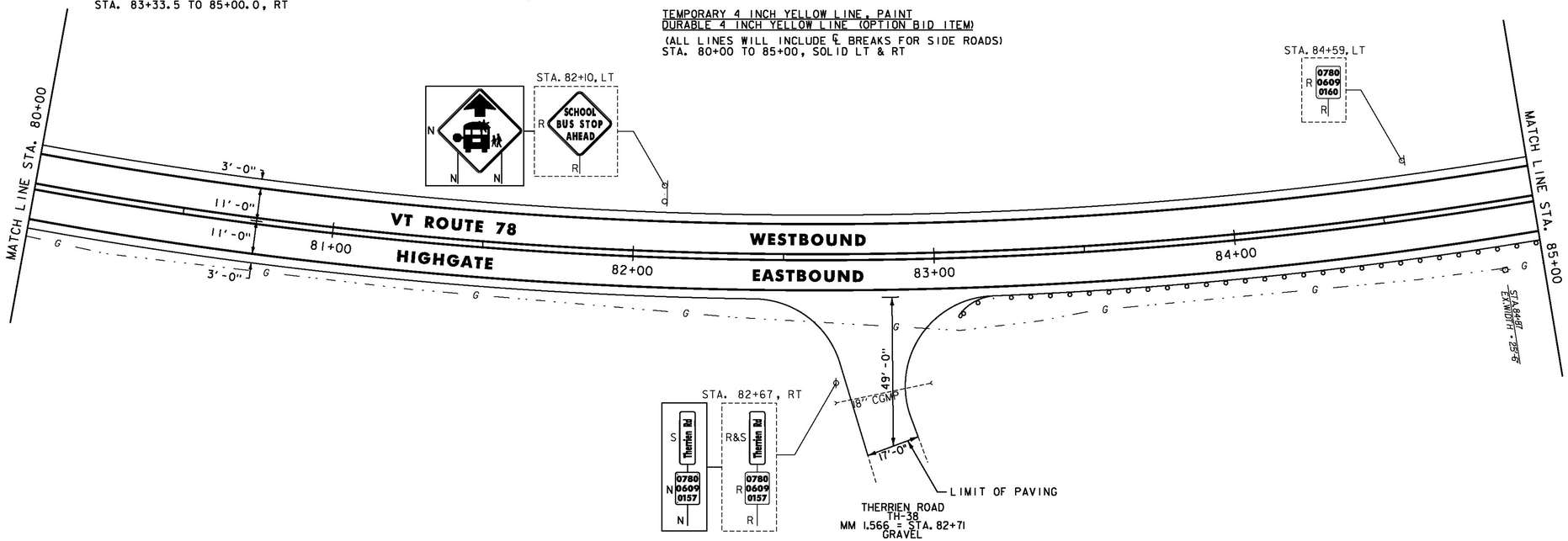
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 83+08.5 TO 85+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 80+00 TO 85+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 80+00 TO 85+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3

ERECTING SALVAGED SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. 85+00 TO 90+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 87+58.5 TO 87+83.5, RT

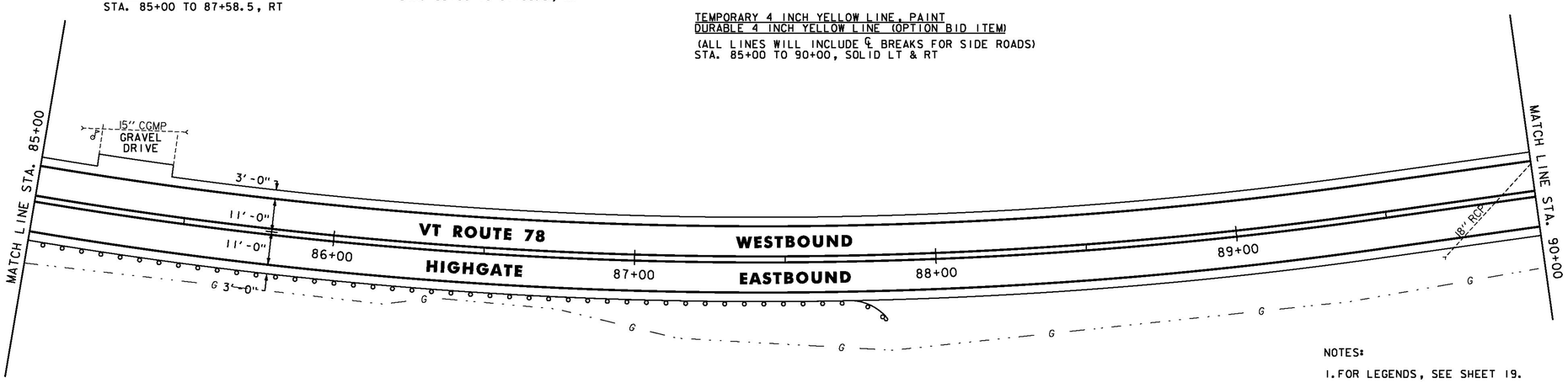
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 85+00 TO 87+58.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 87+83.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 85+00 TO 87+83.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 85+00 TO 90+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 85+00 TO 90+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #17

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

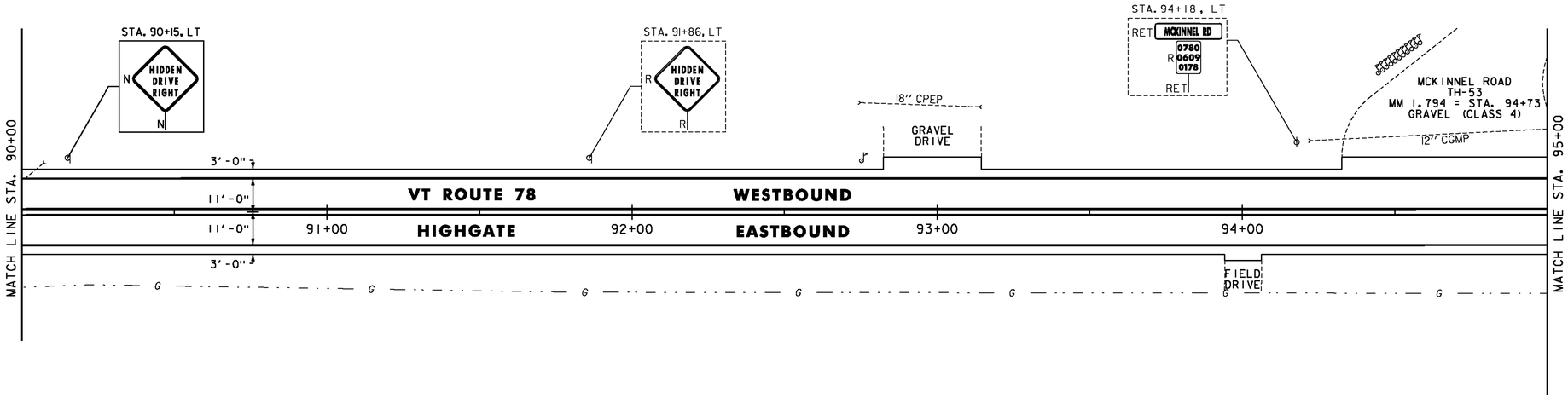
FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 35 OF 121

MILLED RUMBLE STRIPS
STA. 90+00 TO 95+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 90+00 TO 95+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 90+00 TO 95+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



MILLED RUMBLE STRIPS
STA. 95+00 TO 100+00, ℄

STONE FILL, TYPE I
STA. 99+15 TO ~~99+21~~ 97+97, RT

STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 98+28.5 TO 98+53.5, RT~~
~~STA. 98+61.5 TO 98+86.5, LT~~

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
98+28.5 STA. ~~98+53.5~~ TO 100+00.0, RT
STA. ~~98+86.5~~ 98+61.5 TO 100+00.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 98+28.5, RT
STA. 98+61.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 98+28.5 TO 100+00, RT
STA. 98+61.5 TO 100+00, LT

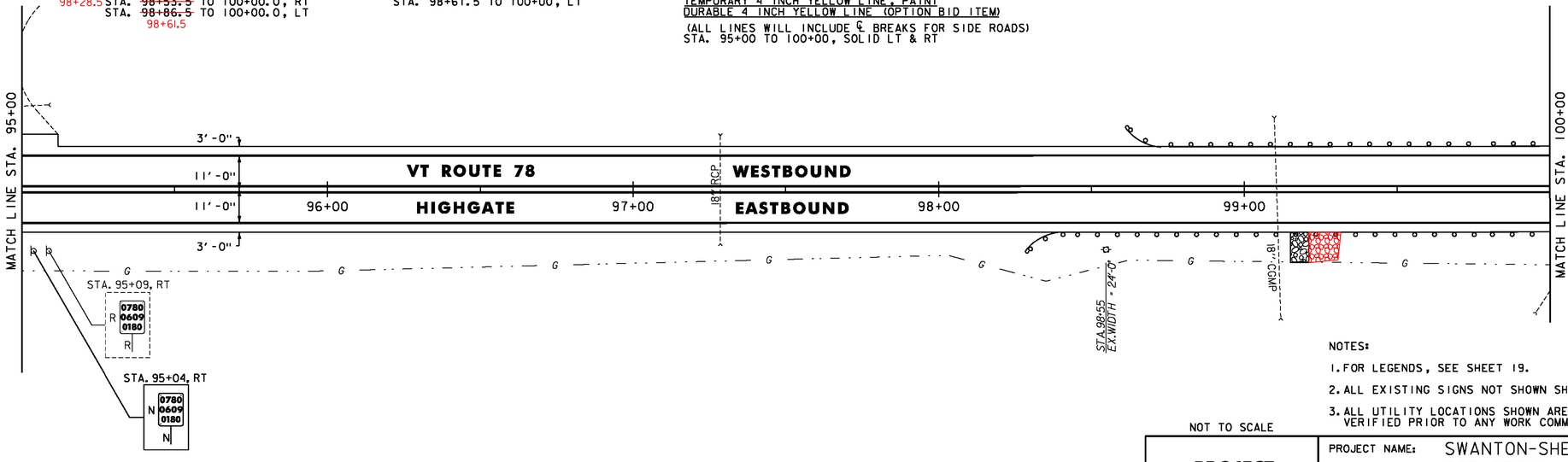
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 95+00 TO 100+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 95+00 TO 100+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 99+15 TO 99+21, RT

GRUBBING MATERIAL
STA. 99+15 TO 99+21, RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #18

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 36 OF 121

MILLED RUMBLE STRIPS
STA. 100+00 TO 105+00, ℄

STONE FILL, TYPE I
STA. 100+22 TO ~~100+28~~, RT ??+??
STA. 103+83 TO ~~103+89~~, RT ??+??

STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 101+03.5 TO 101+28.5, RT~~
~~STA. 100+86.5 TO 101+11.5, LT~~
STA. 102+71.5 TO 102+96.5, RT
STA. 103+96.5 TO 104+21.5, RT
~~STA. 103+10.5 TO 103+35.5, LT~~
~~STA. 104+60.5 TO 104+85.5, LT~~

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 100+00.0 TO ~~101+03.5~~, RT 101+28.5
STA. 100+00.0 TO ~~100+86.5~~, LT 101+11.5
STA. 102+96.5 TO 103+96.5, RT
~~STA. 103+35.5 TO 104+60.5, LT~~
STA. 103+10.5 TO 104+85.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 101+28.5, RT
STA. 101+11.5, LT
STA. 102+71.5, RT
STA. 103+10.5, LT
STA. 104+21.5, RT
STA. 104+85.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 100+00 TO 101+28.5, RT
STA. 100+00 TO 101+11.5, LT
STA. 102+71.5 TO 104+21.5, RT
STA. 103+10.5 TO 104+85.5, LT

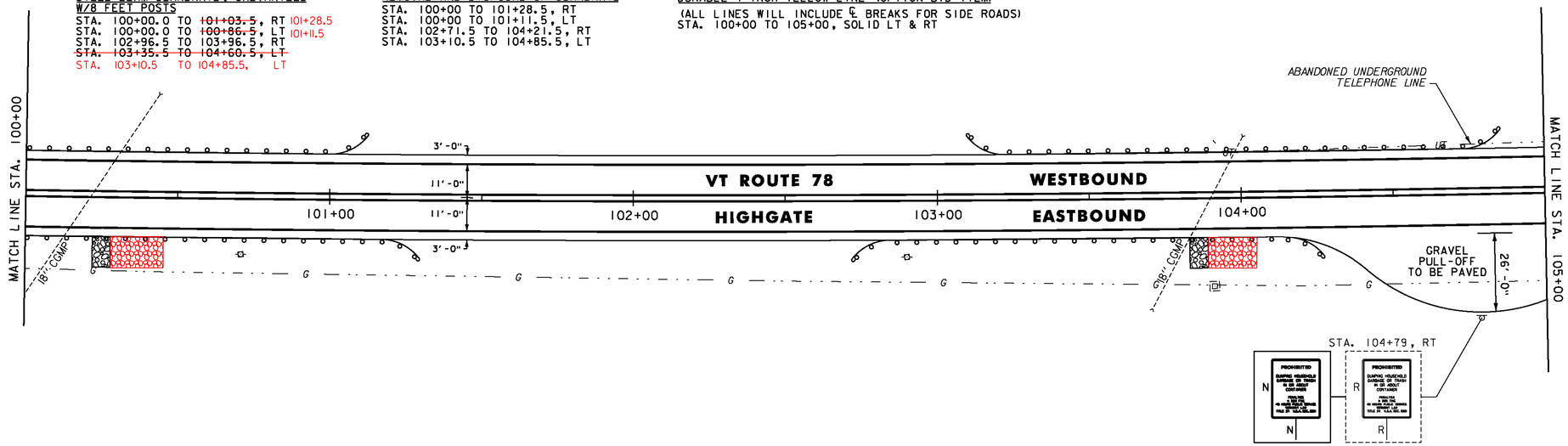
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 100+00 TO 105+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 100+00 TO 105+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 100+22 TO 100+28, RT
STA. 103+83 TO 103+89, RT

GRUBBING MATERIAL
STA. 100+22 TO 100+28, RT
STA. 103+83 TO 103+89, RT

REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. 105+00 TO 110+00, ℄

STONE FILL, TYPE I
STA. 106+93 TO 106+99, RT
STA. 107+32 TO 107+38, RT
STA. 108+60 TO 108+66, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 105+24.5 TO 105+49.5, RT
STA. 105+11.5 TO 105+36.5, LT
STA. 106+99.0 TO 107+24.0, LT
~~STA. 108+52.0 TO 108+77.0, LT~~
STA. 109+87.0 TO 110+00.0, RT
STA. 105+49.5 TO 105+74.5, RT
STA. 107+62.0 TO 108+24.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
~~STA. 105+49.5 TO 109+87.0, RT~~
~~STA. 108+77.0 TO 110+00.0, LT~~
STA. 105+74.5 TO 107+62.0, RT
STA. 108+24.5 TO 109+87.0, RT
STA. 108+52.0 TO 112+14.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 105+11.5, LT
STA. 105+24.5, RT
STA. 107+24.0, LT
STA. 108+52.0, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 105+11.5 TO 107+24.0, LT
STA. 105+49.5 TO 110+00, RT
STA. 108+54.5 TO 110+00, LT

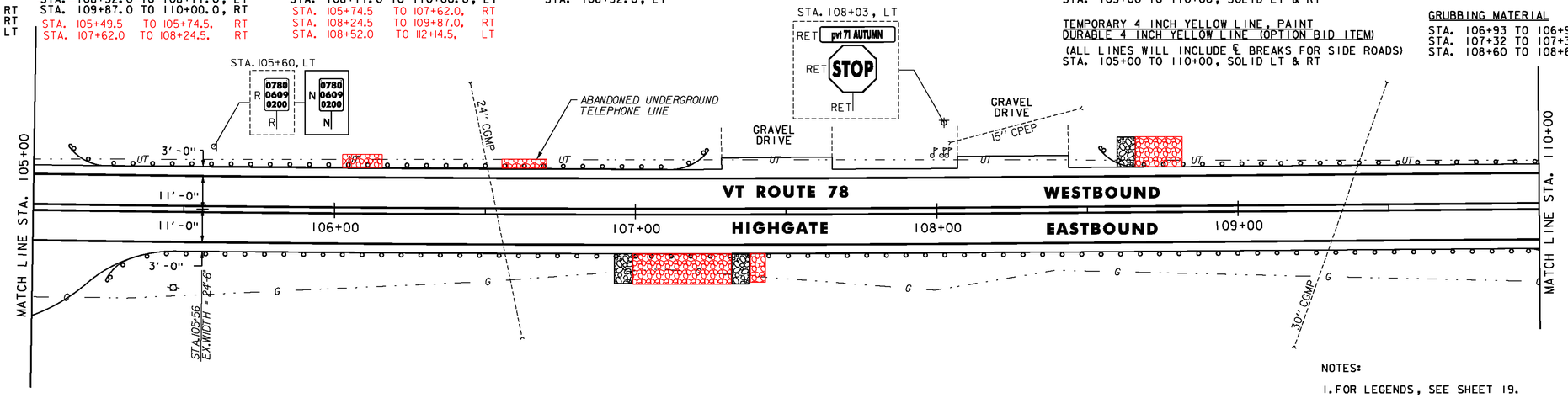
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 105+00 TO 110+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 105+00 TO 110+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 106+93 TO 106+99, RT
STA. 107+32 TO 107+38, RT
STA. 108+60 TO 108+66, LT

GRUBBING MATERIAL
STA. 106+93 TO 106+99, RT
STA. 107+32 TO 107+38, RT
STA. 108+60 TO 108+66, LT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #19

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 37 OF 121

MILLED RUMBLE STRIPS
STA. 110+00 TO ~~115+00~~, ℄ 111+88

STONE FILL, TYPE I
STA. 112+01 TO 112+07, RT
STA. 112+31 TO 112+37, RT
~~STA. 110+?? TO ???? LT & RT~~

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 110+00.0 TO 110+12.0, RT
~~STA. 111+24.5 TO 111+49.5, RT~~
~~STA. 111+89.5 TO 112+14.5, LT~~
~~STA. 113+62.0 TO 113+87.0, RT~~
~~STA. 114+53.5 TO 115+00.0, LT~~
~~STA. 114+87.0 TO 115+00.0, RT~~

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
~~STA. 110+00 TO 111+89.5, LT~~
~~STA. 111+49.5 TO 113+62, RT~~
STA. 111+24.5 TO 113+87.5, RT
STA. 114+87.0 TO 115+00.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 110+12.0, RT
STA. 111+24.5, RT
STA. 112+14.5, LT
STA. 113+87.0, RT
STA. 114+53.5, LT
STA. 114+87.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 110+00 TO 110+07.5, RT
STA. 110+00 TO 112+14.5, LT
STA. 111+24.5 TO 113+87.0, RT
STA. 114+53.5 TO 115+00, LT
STA. 114+87.0 TO 115+00, RT

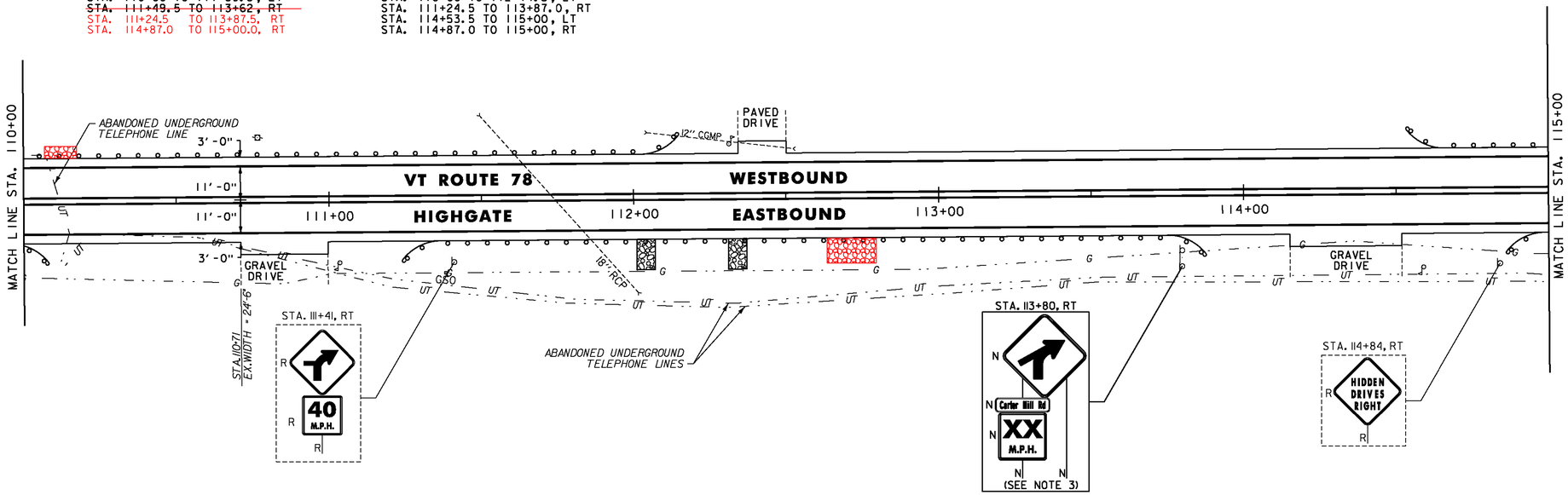
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 110+00 TO 115+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 110+00 TO 115+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 112+01 TO 112+07, RT
STA. 112+31 TO 112+37, RT

GRUBBING MATERIAL
STA. 112+01 TO 112+07, RT
STA. 112+31 TO 112+37, RT

REMOVING SIGNS
AS SHOWN - 3



MILLED RUMBLE STRIPS
STA. 115+00 TO 120+00, ℄

STONE FILL, TYPE I
STA. 119+92 TO 119+98, LT

STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 115+00.0 TO 116+53.5, LT~~
~~STA. 115+00.0 TO 115+12.0, RT~~
~~STA. 116+24.5 TO 116+49.5, RT~~
STA. ~~117+78.5~~ 116+16.0 TO 118+03.5, LT
STA. 118+76.0 TO 120+00.0, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 116+53.5 TO 117+78.5, LT
STA. 115+12.0 TO 116+24.5, RT
STA. 114+53.6 TO 116+16.0, LT
STA. 115+00.0 TO 116+99.5, RT

STA. 116+42, LT
0780
0609
0220

ANCHOR FOR STEEL BEAM RAIL
STA. 116+49.5, RT
STA. 118+03.5, LT
STA. 118+76.0, LT

STA. 117+20, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 115+00 TO 118+03.5, LT
STA. 115+00 TO 116+49.5, RT
STA. 118+76 TO 120+00, LT

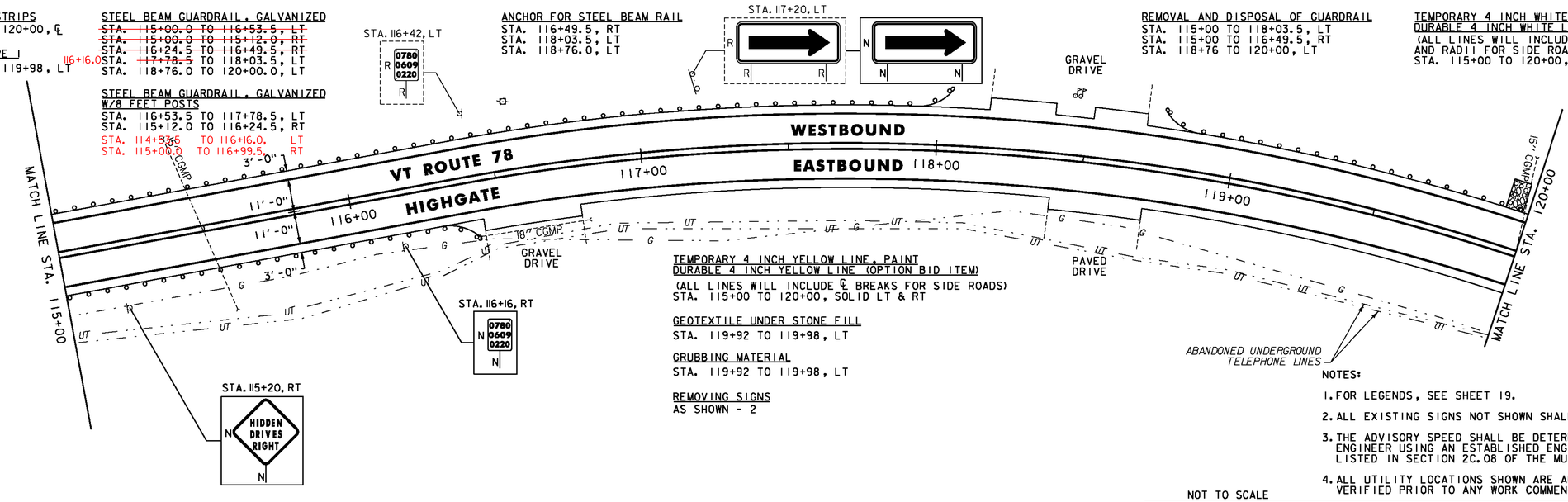
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 115+00 TO 120+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 115+00 TO 120+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 119+92 TO 119+98, LT

GRUBBING MATERIAL
STA. 119+92 TO 119+98, LT

REMOVING SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.
4. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #20

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 38 OF 121

MILLED RUMBLE STRIPS
STA. ~~120+00~~ 123+50 TO 125+00, ℄

STONE FILL, TYPE I
STA. 124+37 TO 125+00, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 120+00.0 TO 121+26.0, LT
STA. 124+09.0 TO 125+00.0, LT
~~STA. 124+24.5 TO 124+49.5, RT~~
STA. 123+84.0 TO 124+09.0, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. ~~124+49.5~~ 124+24.5 TO 125+00.0, RT
STA. 123+84.0 TO 124+09.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 121+26.0, LT
STA. 124+09.0, LT
STA. 124+24.5, RT
STA. 123+84.0, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 120+00 TO 121+26, LT
STA. 124+09 TO 125+00, LT
STA. 124+24.5 TO 125+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 120+00 TO 125+00, SOLID LT & RT
STA. 124+24, SOLID LT (EDGELINES, CARTER HILL ROAD, TH-1)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 120+00 TO 125+00, SOLID LT & RT
STA. 124+24, DOUBLE SOLID LT (CARTER HILL ROAD, TH-1)

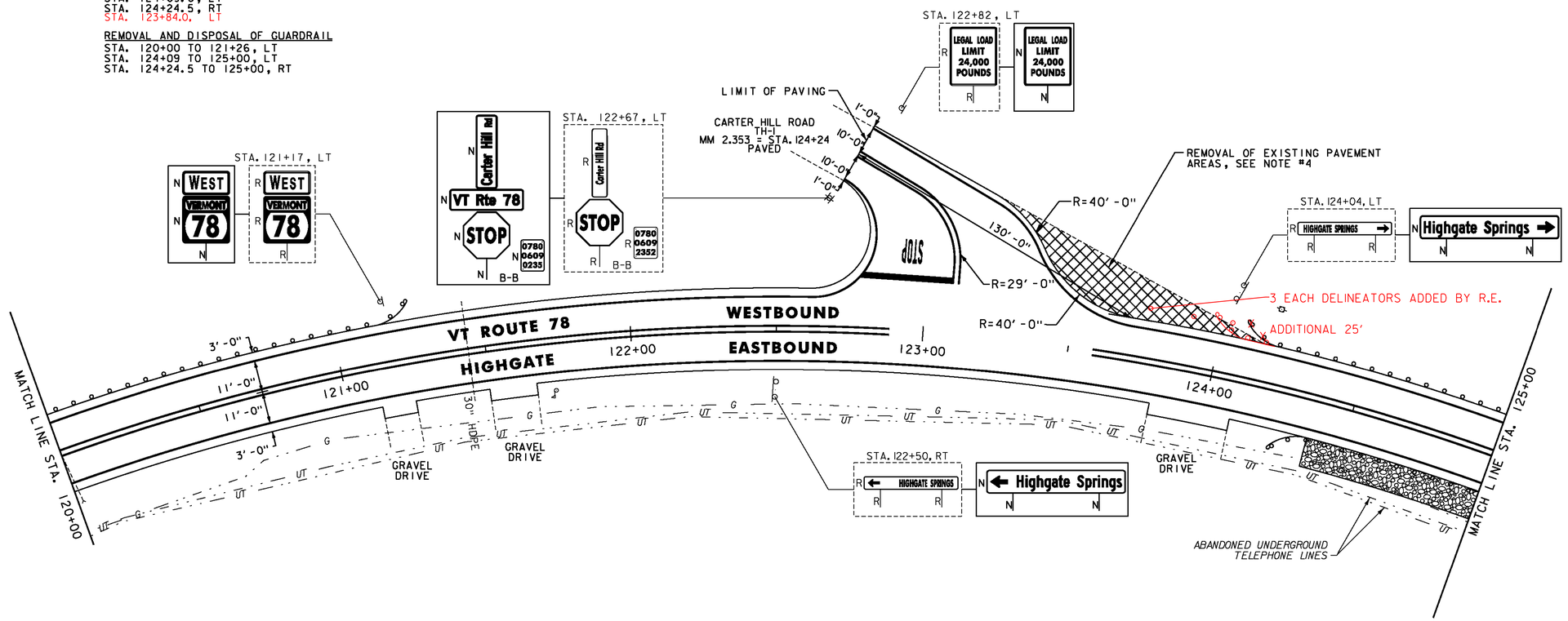
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 124+24, LT (CARTER HILL ROAD, TH-1)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 124+24, LT "STOP" (CARTER HILL ROAD, TH-1)

GEOTEXTILE UNDER STONE FILL
STA. 124+37 TO 125+00, RT

GRUBBING MATERIAL
STA. 124+37 TO 125+00, RT

REMOVING SIGNS
AS SHOWN - 8



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.
4. REMOVE 4 INCHES OF EXISTING PAVEMENT AS SHOWN. PAYMENT TO BE MADE UNDER ITEM 203.15 - COMMON EXCAVATION. IF LESS THAN 4 INCHES OF PAVEMENT IS ENCOUNTERED, REMOVAL OF SUBBASE SHALL BE PAID UNDER ITEM 203.15 - COMMON EXCAVATION. REPLACE WITH 4 INCHES OF ITEM 651.35 - TOPSOIL, 651.15 - SEED, 651.18 - FERTILIZER, 651.20 - AGRICULTURAL LIMESTONE AND 653.20 - TEMPORARY EROSION MATTING. ESTIMATED QUANTITIES OF THE INDICATED ITEMS HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #21

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 39 OF 121

MILLED RUMBLE STRIPS
STA. 125+00 TO 130+00, ℄

STONE FILL, TYPE I
STA. 125+00 TO 125+53, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 125+00.0 TO 127+09.0, LT
~~STA. 126+87.0 TO 127+12.0, RT~~

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 125+00.0 TO ~~126+87.0~~ 126+99.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 127+09.0, LT
STA. 127+12.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 125+00 TO 127+09, LT
STA. 125+00 TO 127+12, RT

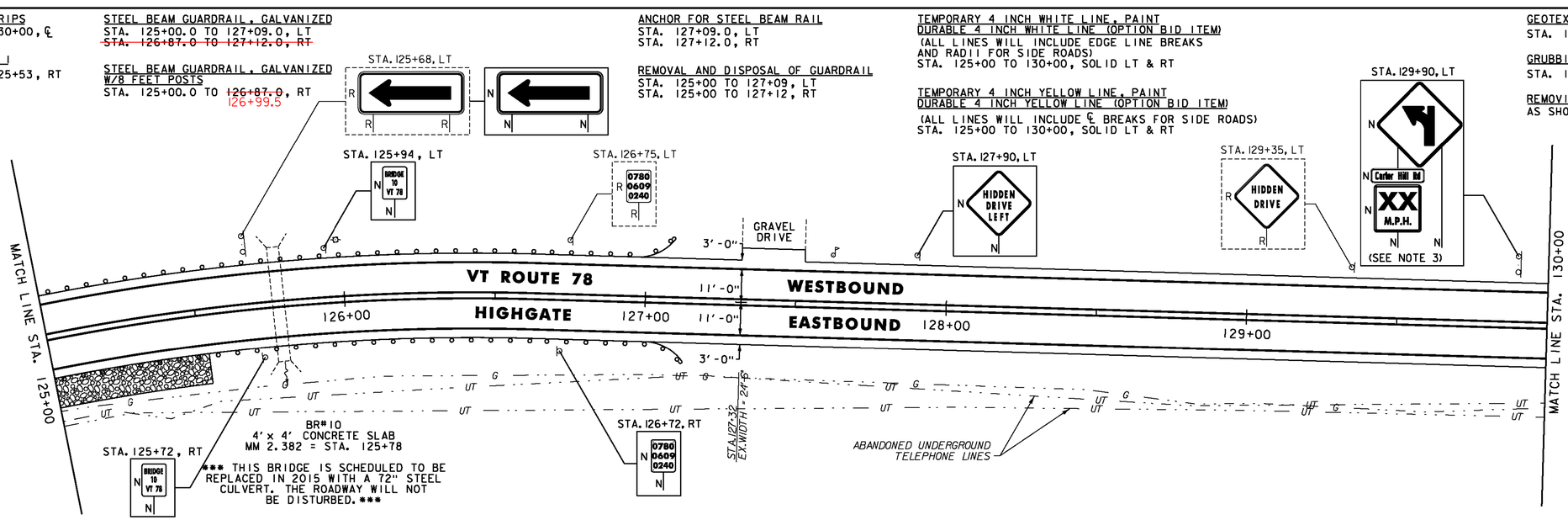
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 125+00 TO 130+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 125+00 TO 130+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 125+00 TO 125+53, RT

GRUBBING MATERIAL
STA. 125+00 TO 125+53, RT

REMOVING SIGNS
AS SHOWN - 3

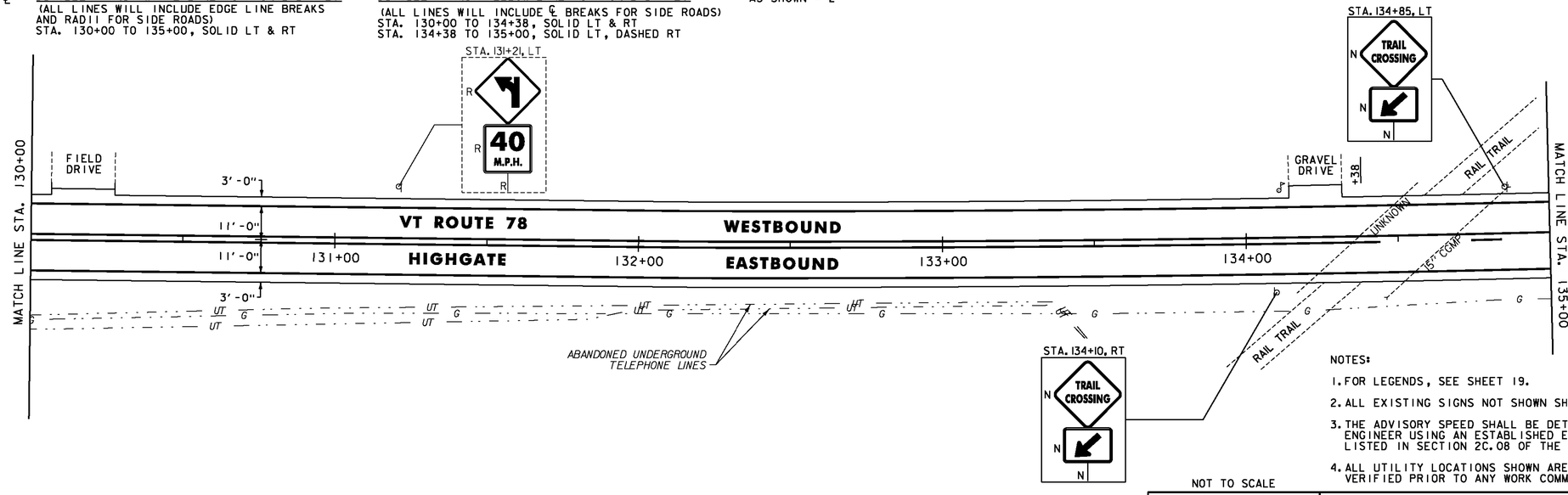


MILLED RUMBLE STRIPS
STA. 130+00 TO ~~134+40~~ 133+11, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 130+00 TO 135+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 130+00 TO 134+38, SOLID LT & RT
STA. 134+38 TO 135+00, SOLID LT, DASHED RT

REMOVING SIGNS
AS SHOWN - 2



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.
4. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #22

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

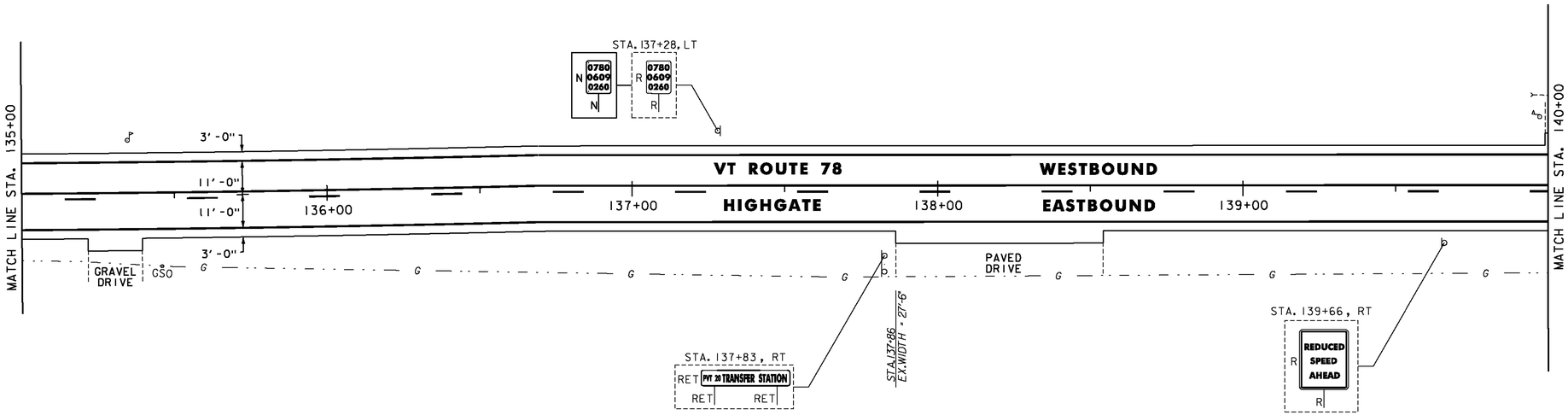
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 40 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 135+00 TO 140+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 135+00 TO 140+00, SOLID LT, DASHED RT

REMOVING SIGNS
AS SHOWN - 2

MILLED RUMBLE STRIPS
STA. 139+55 TO 140+00 CL

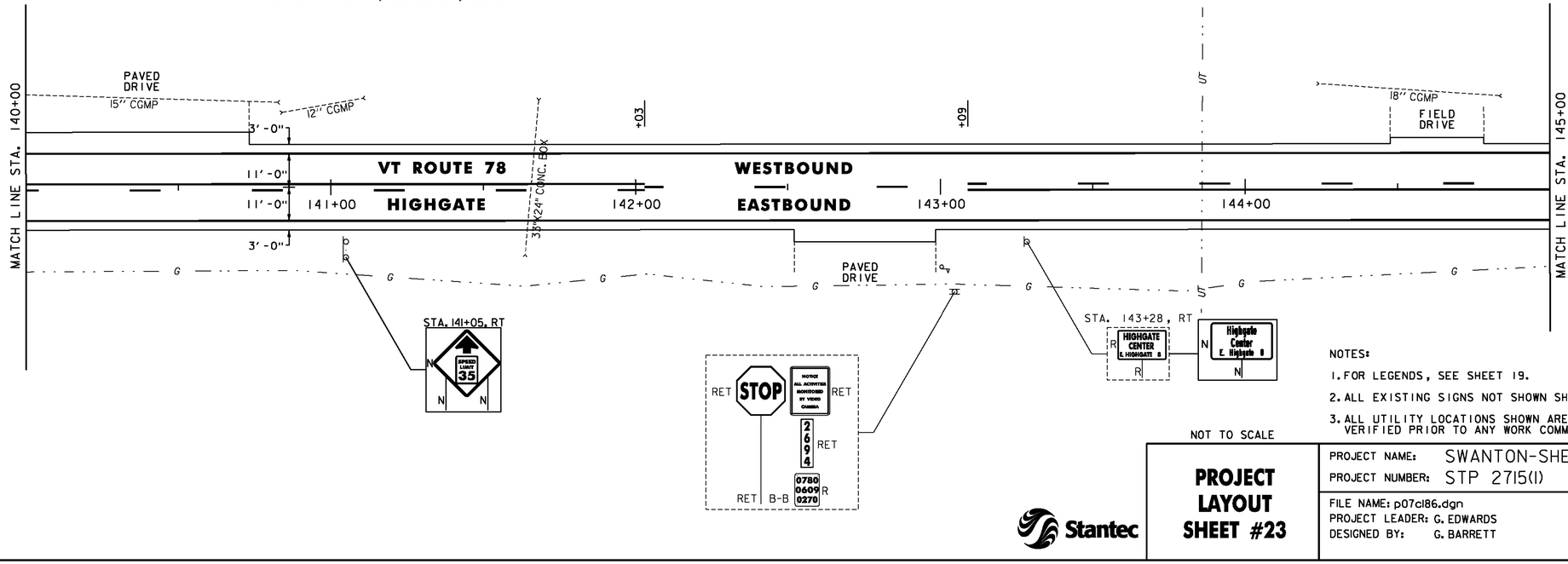


TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 140+00 TO 145+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE BREAKS FOR SIDE ROADS)
STA. 140+00 TO 142+03, SOLID LT, DASHED RT
STA. 142+03 TO 143+09, DASHED ℄
STA. 143+09 TO 145+00, DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 2

MILLED RUMBLE STRIPS
STA. 140+00 TO 145+00 CL



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #23

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

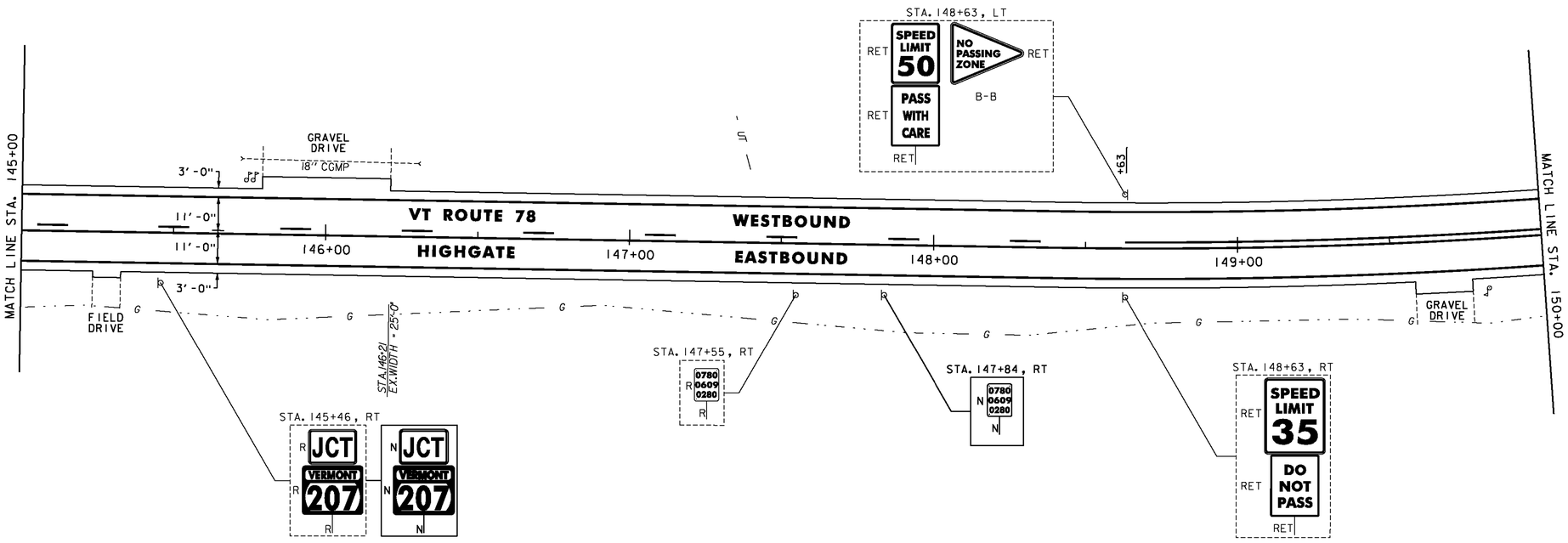
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 41 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 145+00 TO 150+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 145+00 TO 148+63, DASHED LT, SOLID RT
STA. 148+63 TO 150+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3

MILLED RUMBLE STRIPS
STA. 145+00 TO 148+10 CL



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #24

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 42 OF 121

STONE FILL, TYPE I
STA. 151+42 TO 151+52, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 150+00 TO 155+00, SOLID LT & RT
STA. 152+03, SOLID RT (EDGELINES, VT ROUTE 207, HIGHGATE ROAD)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 150+00 TO 155+00, SOLID LT & RT
STA. 152+03, DOUBLE SOLID RT (VT ROUTE 207, HIGHGATE ROAD)

TEMPORARY 8 INCH WHITE LINE, PAINT
DURABLE 8 INCH WHITE LINE (OPTION BID ITEM)
STA. 154+20 TO 154+32, LT (HYDRANT)
SEE DETAIL ON SHEET 16

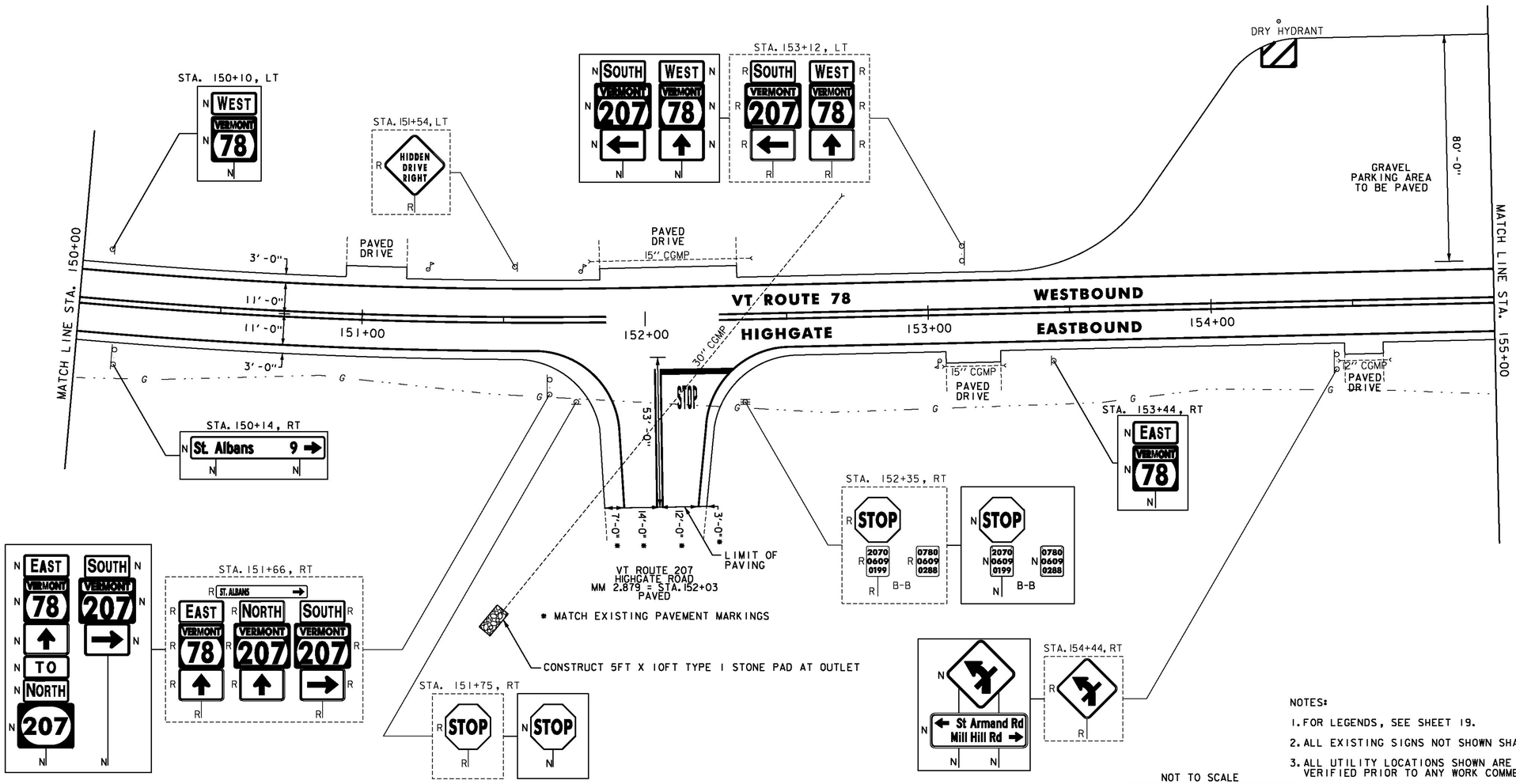
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 152+03, RT (VT ROUTE 207, HIGHGATE ROAD)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 152+03, RT "STOP" (VT ROUTE 207, HIGHGATE ROAD)

GEOTEXTILE UNDER STONE FILL
STA. 151+42 TO 151+52, RT

GRUBBING MATERIAL
STA. 151+42 TO 151+52, RT

REMOVING SIGNS
AS SHOWN - 22



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #25

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

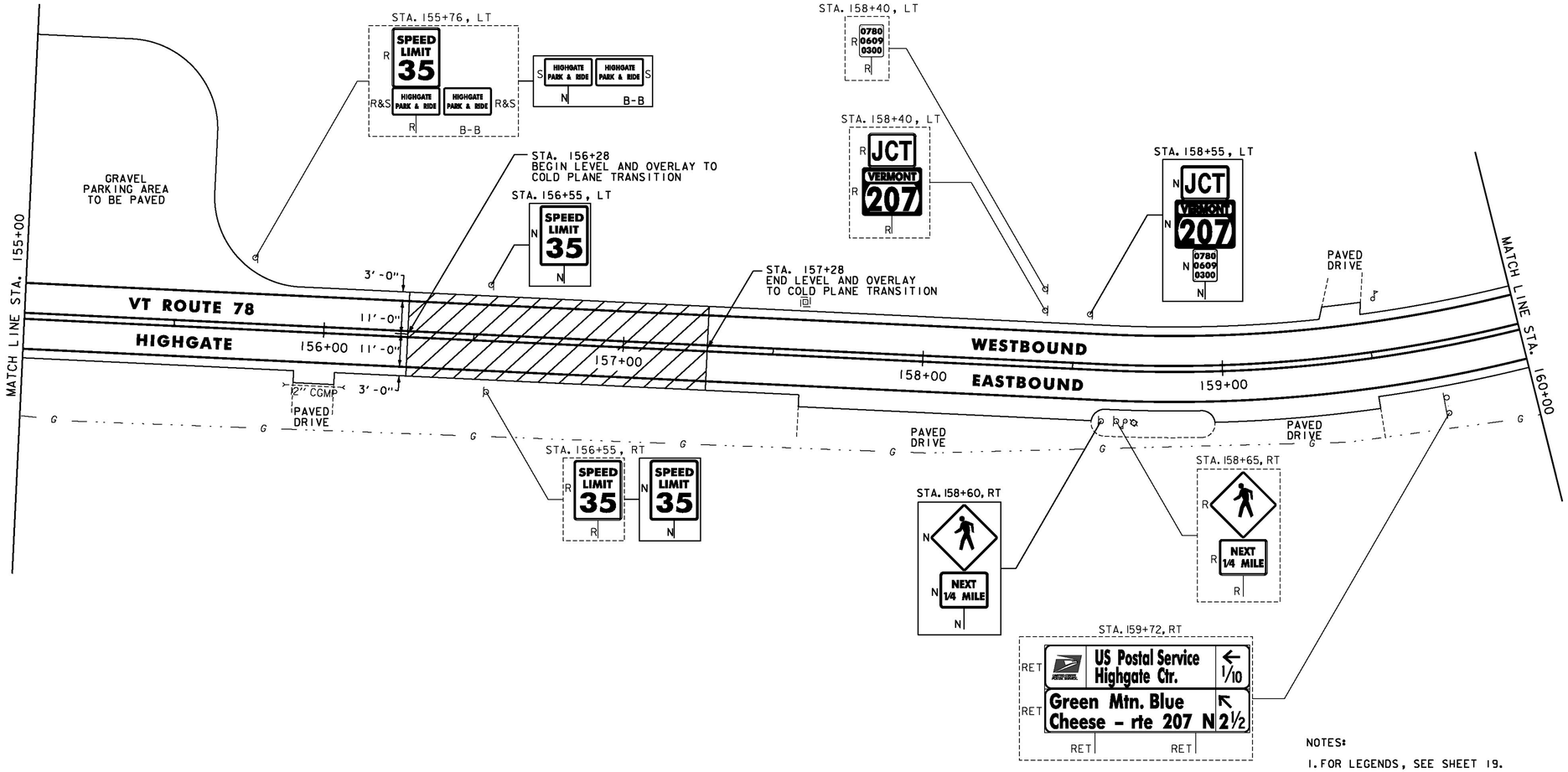
FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 43 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 155+00 TO 160+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 155+00 TO 160+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 9

ERECTING SALVAGED SIGNS
AS SHOWN - 2



COLD PLANE TRANSITION AREA
(FOR DETAIL, SEE SHEET 3)

NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #26

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 44 OF 121

REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

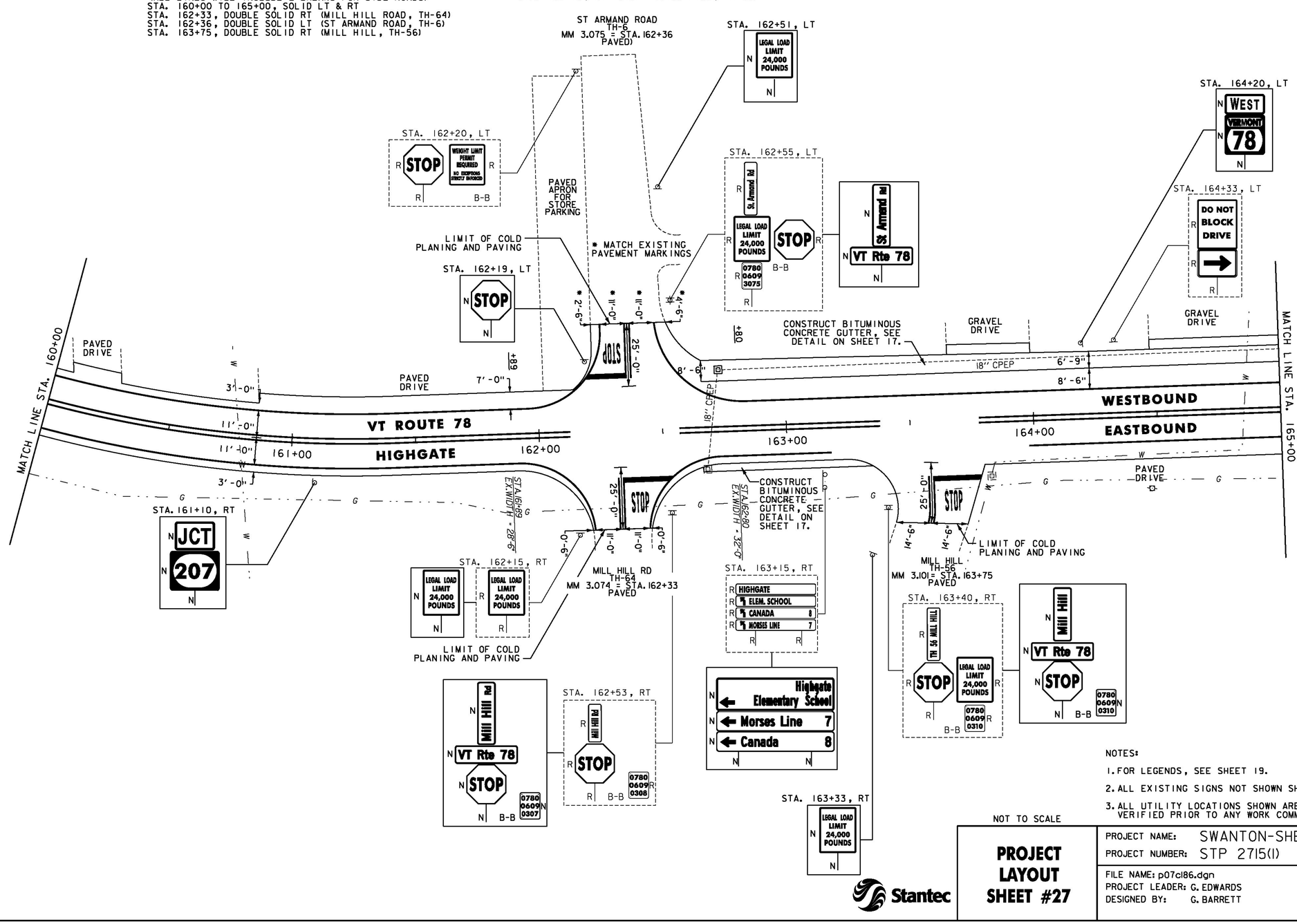
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 160+00 TO 165+00, SOLID LT & RT
STA. 162+33, SOLID RT (EDGELINES, MILL HILL ROAD, TH-64)
STA. 162+36, SOLID LT (EDGELINES, ST ARMAND ROAD, TH-6)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 160+00 TO 165+00, SOLID LT & RT
STA. 162+33, DOUBLE SOLID RT (MILL HILL ROAD, TH-64)
STA. 162+36, DOUBLE SOLID LT (ST ARMAND ROAD, TH-6)
STA. 163+75, DOUBLE SOLID RT (MILL HILL, TH-56)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 162+33, RT (MILL HILL ROAD, TH-64)
STA. 162+36, LT (ST ARMAND ROAD, TH-6)
STA. 163+75, RT (MILL HILL, TH-56)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 162+33, RT "STOP" (MILL HILL ROAD, TH-64)
STA. 162+36, LT "STOP" (ST ARMAND ROAD, TH-6)
STA. 163+75, RT "STOP" (MILL HILL, TH-56)

REMOVING SIGNS
AS SHOWN - 20



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

PROJECT LAYOUT SHEET #27

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 45 OF 121

Stantec

REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

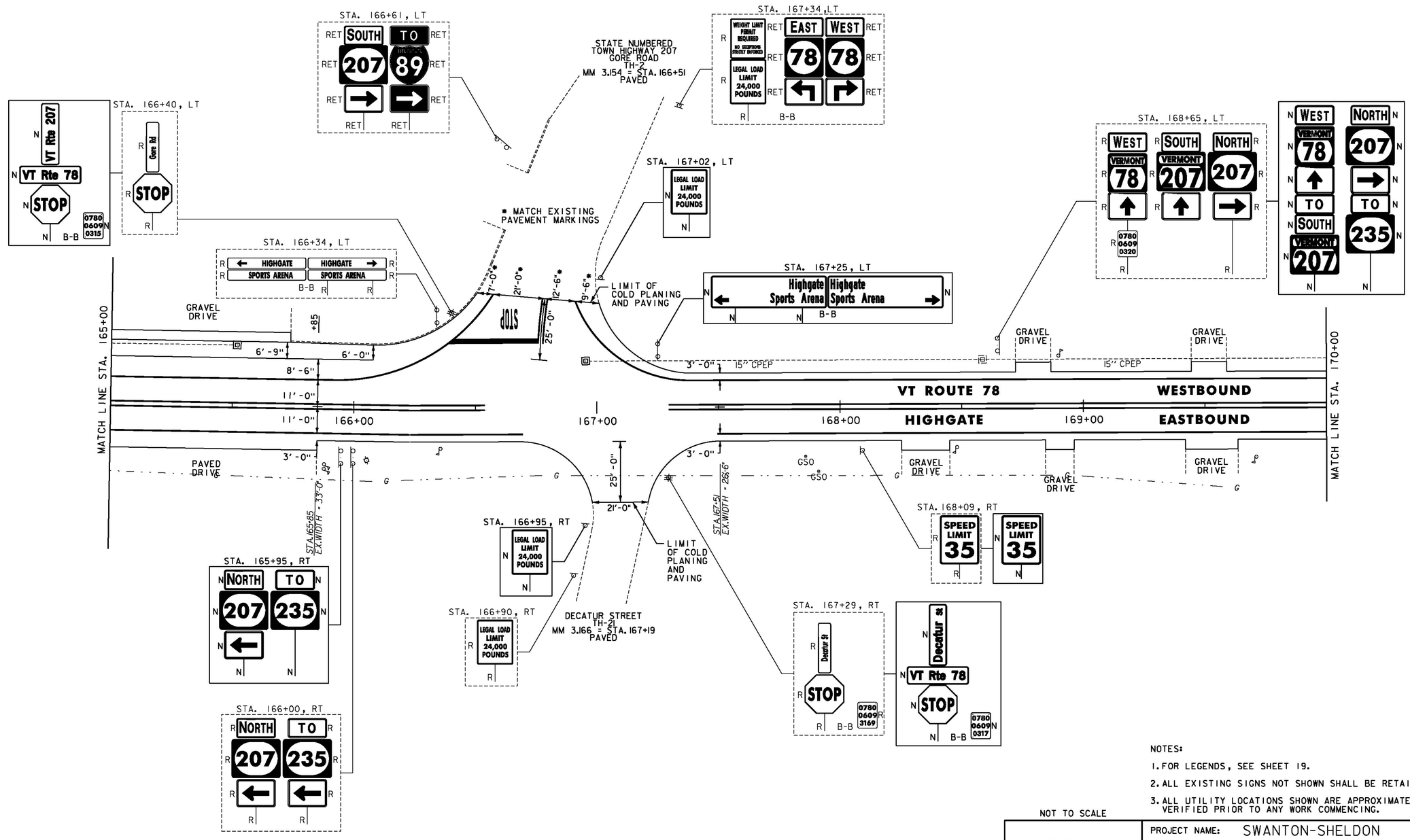
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 165+00 TO 170+00, SOLID LT & RT
STA. 166+51, SOLID LT (EDGELINES, VT ROUTE 207, GORE ROAD, TH-2)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 165+00 TO 170+00, SOLID LT & RT
STA. 166+51, DOUBLE SOLID LT (VT ROUTE 207, GORE ROAD, TH-2)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 166+51, LT (VT ROUTE 207, GORE ROAD, TH-2)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 166+51, LT "STOP" (VT ROUTE 207, GORE ROAD, TH-2)

REMOVING SIGNS
AS SHOWN - 29



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY WORK COMMENCING.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #28

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 46 OF 121

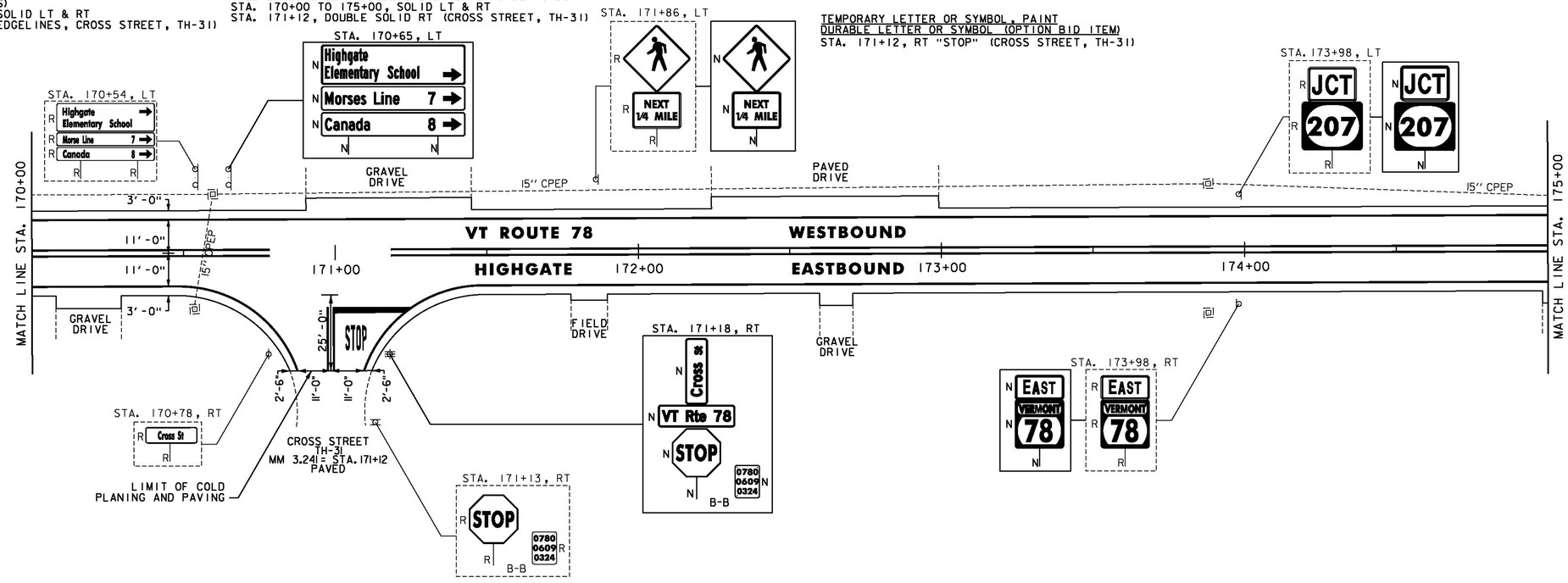
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 170+00 TO 175+00, SOLID LT & RT
STA. 171+12, SOLID RT (EDGELINES, CROSS STREET, TH-31)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 170+00 TO 175+00, SOLID LT & RT
STA. 171+12, DOUBLE SOLID RT (CROSS STREET, TH-31)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 171+12, RT (CROSS STREET, TH-31)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 171+12, RT "STOP" (CROSS STREET, TH-31)

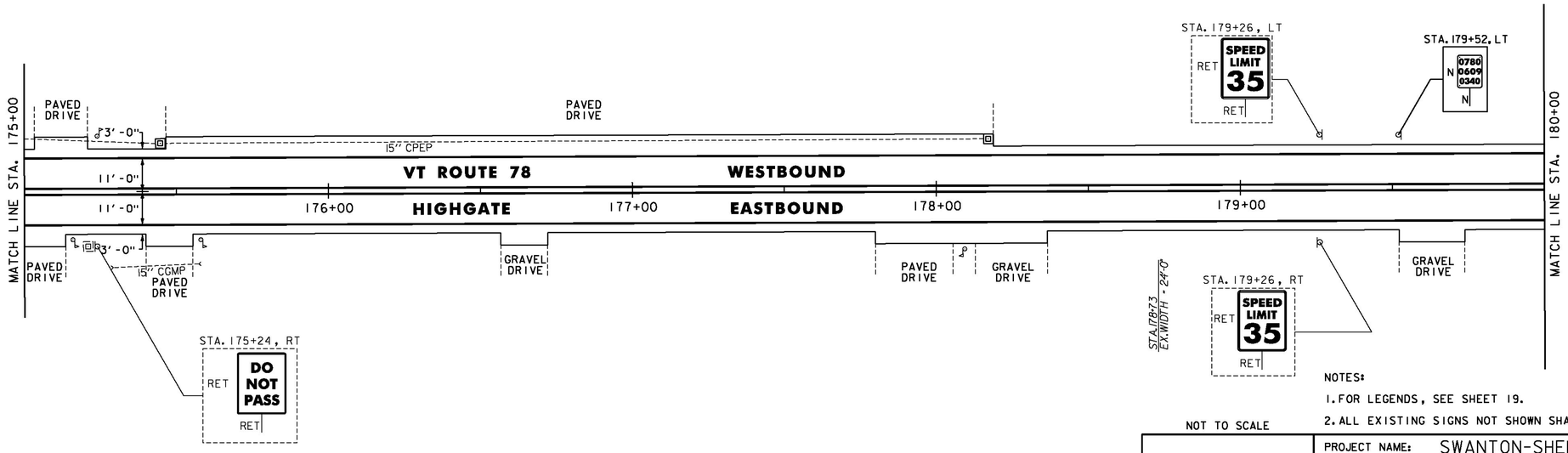
REMOVING SIGNS
AS SHOWN - 12



REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 175+00 TO 180+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 175+00 TO 180+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #29

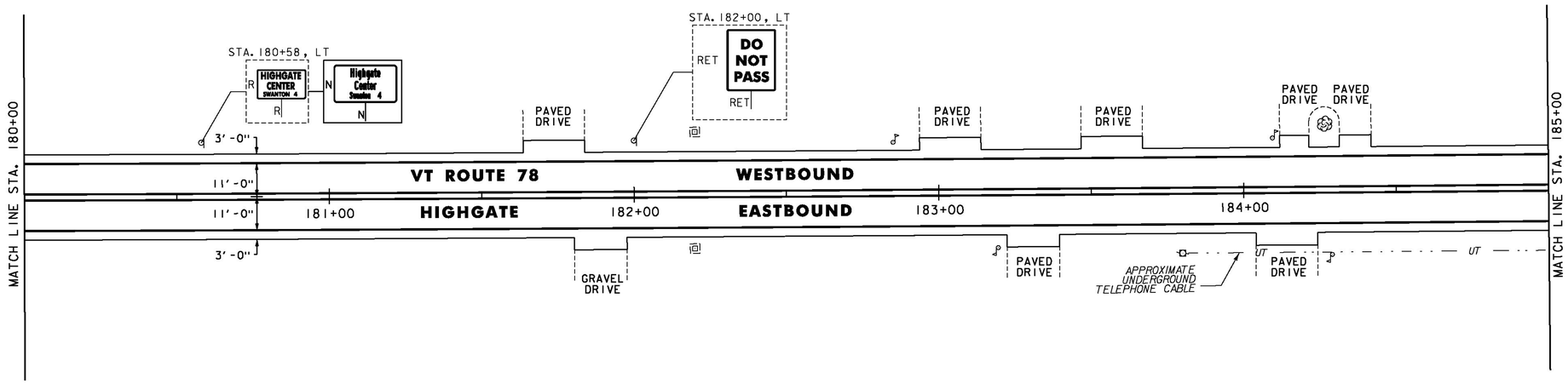
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 47 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 180+00 TO 185+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 180+00 TO 185+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1

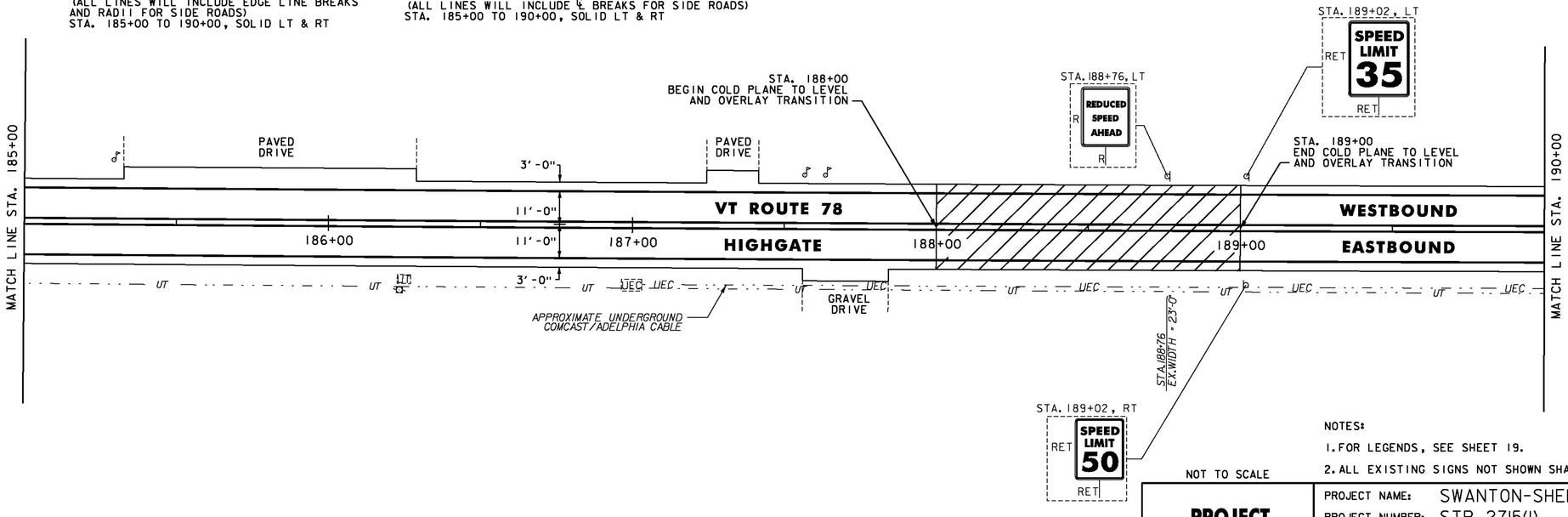


MILLED RUMBLE STRIPS
STA. 187+44 TO 190+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 185+00 TO 190+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 185+00 TO 190+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

COLD PLANE TRANSITION AREA
(FOR DETAIL, SEE SHEET 3)

Stantec

PROJECT LAYOUT SHEET #30

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

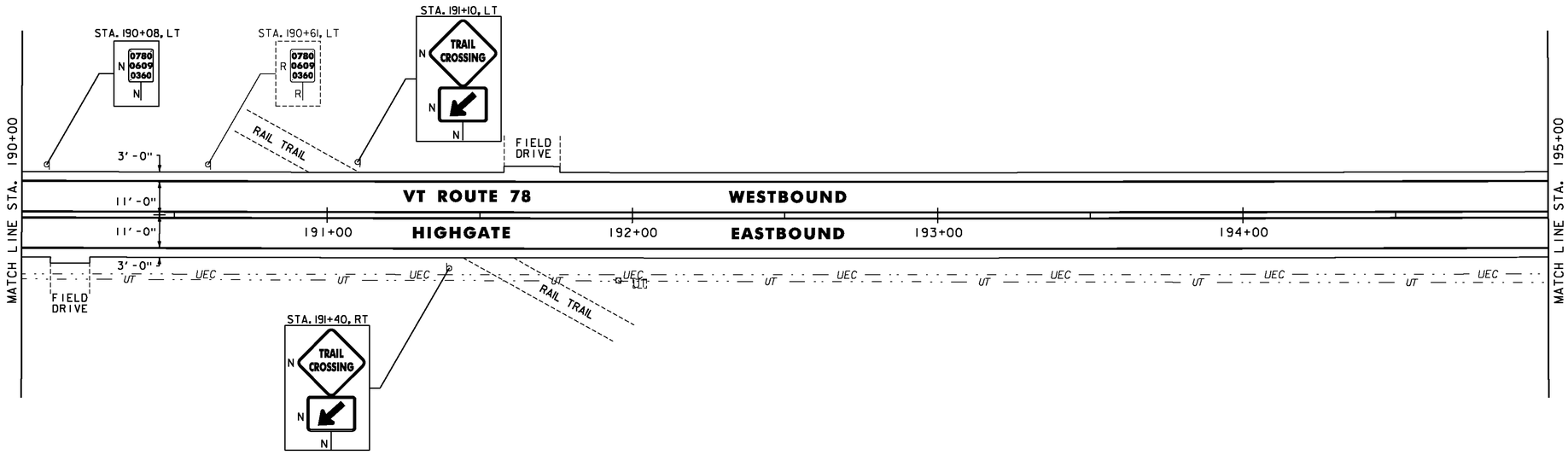
FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 48 OF 121

MILLED RUMBLE STRIPS
~~STA. 190+00 TO 195+00, ℄~~

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 190+00 TO 195+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 190+00 TO 195+00, SOLID LT & RT

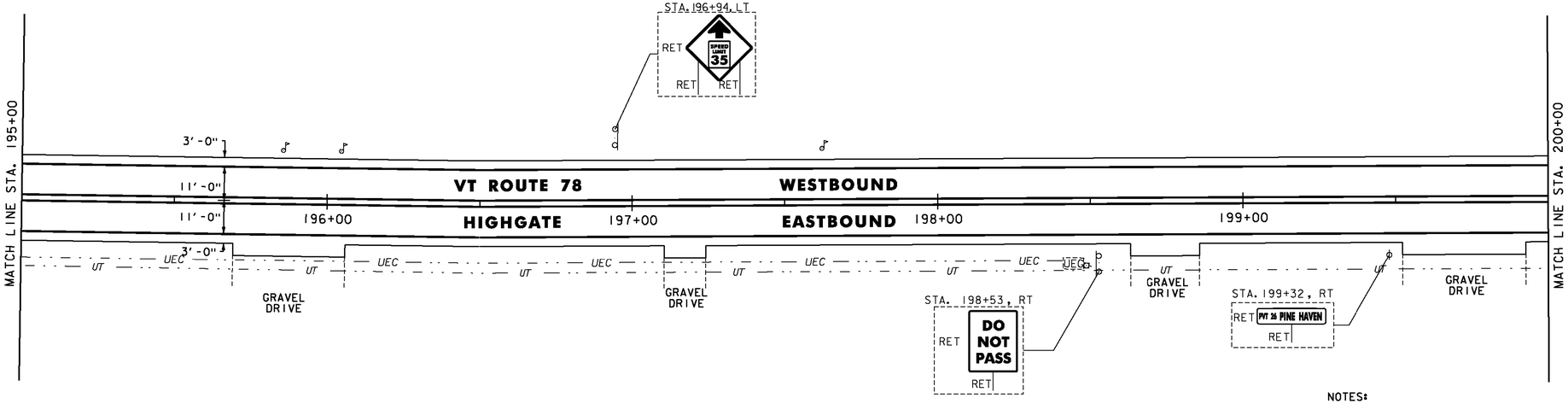
REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. 195+00 TO 200+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 195+00 TO 200+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 195+00 TO 200+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #31

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

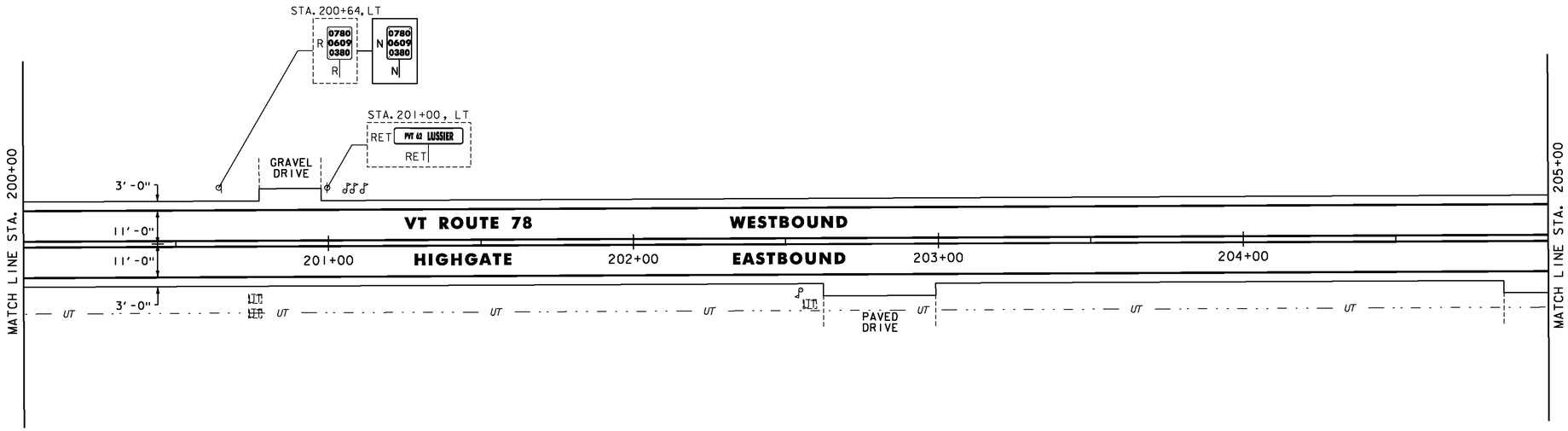
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 49 OF 121

MILLED RUMBLE STRIPS
~~STA. 200+00 TO 205+00, ℄~~

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 200+00 TO 205+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 200+00 TO 205+00, SOLID LT & RT

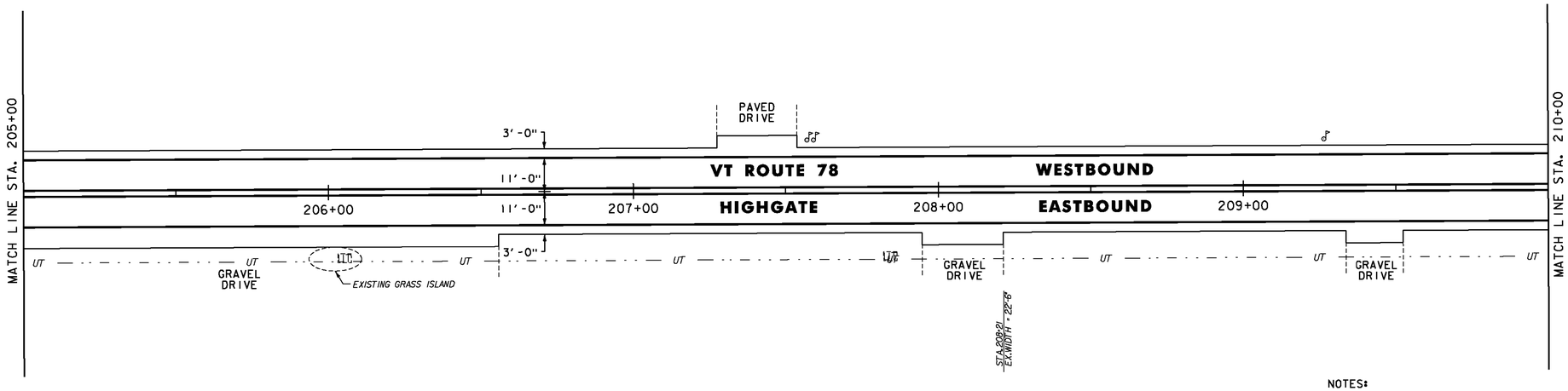
REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
~~STA. 205+00 TO 210+00, ℄~~

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 205+00 TO 210+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 205+00 TO 210+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #32

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

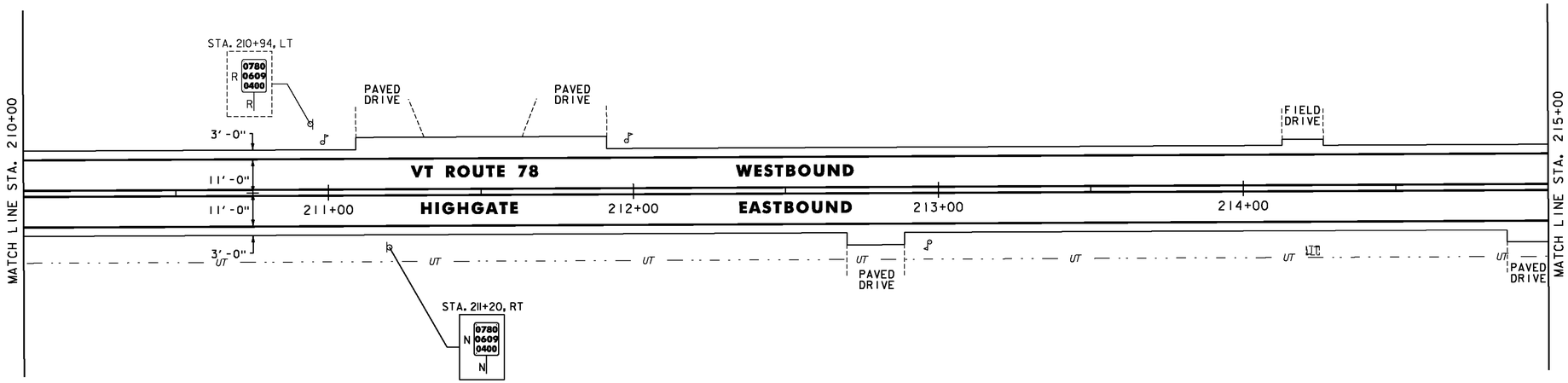
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 50 OF 121

MILLED RUMBLE STRIPS
~~STA. 210+00 TO 215+00, ℄~~

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 210+00 TO 215+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 210+00 TO 215+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
~~STA. 215+00 TO 220+00, ℄~~

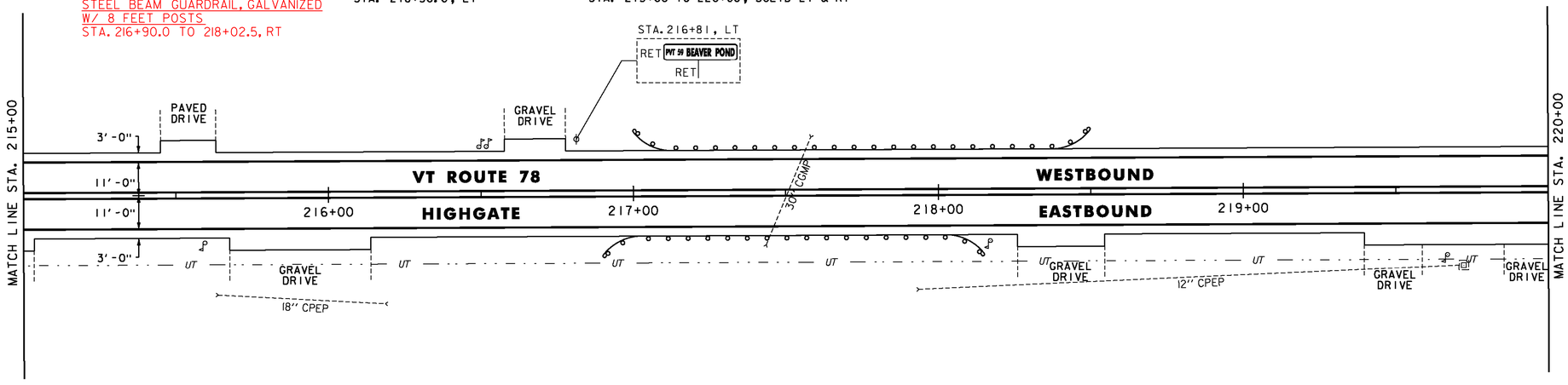
STEEL BEAM GUARDRAIL, GALVANIZED
~~STA. 216+90.0 TO 218+15.0, RT~~
~~STA. 217+00.0 TO 218+50.0, LT~~

STEEL BEAM GUARDRAIL, GALVANIZED
W/ 8 FEET POSTS
STA. 216+90.0 TO 218+02.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 216+90.0, RT
STA. 217+00.0, LT
~~STA. 218+15.0~~, RT 218+02.5
STA. 218+50.0, LT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 215+00 TO 220+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 215+00 TO 220+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #33

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

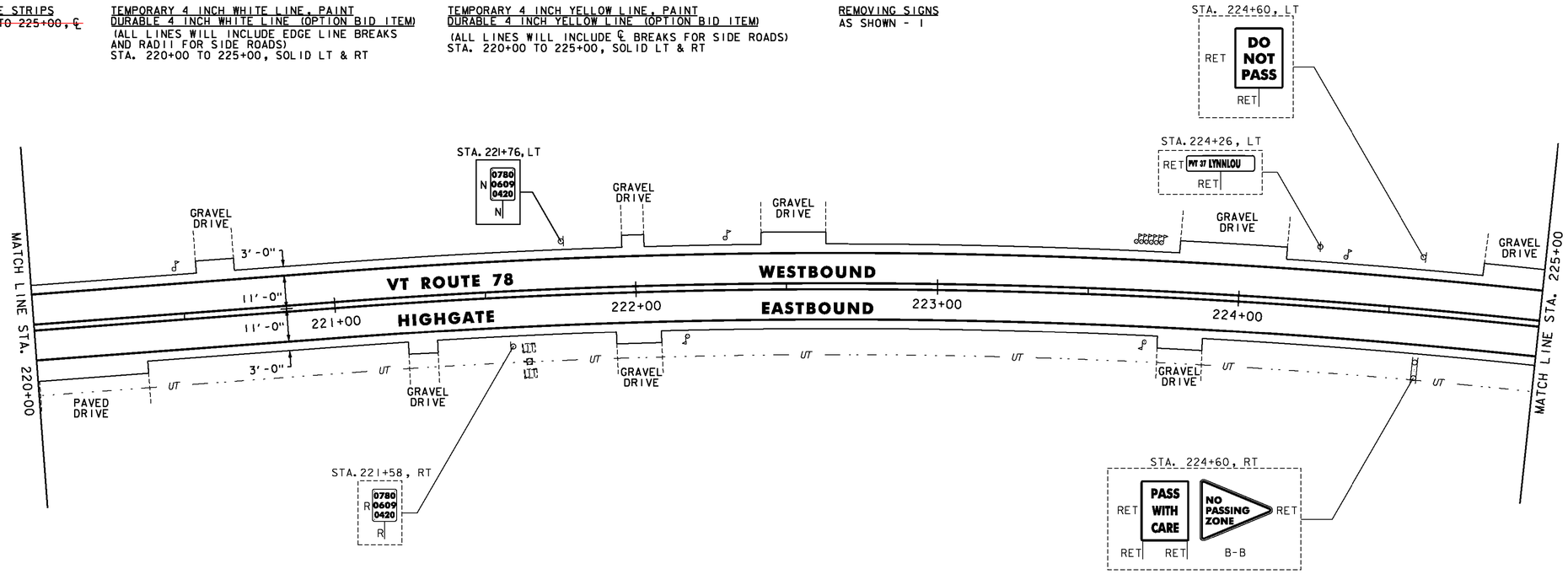
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 51 OF 121

MILLED RUMBLE STRIPS
~~STA. 220+00 TO 225+00, ℄~~

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 220+00 TO 225+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 220+00 TO 225+00, SOLID LT & RT

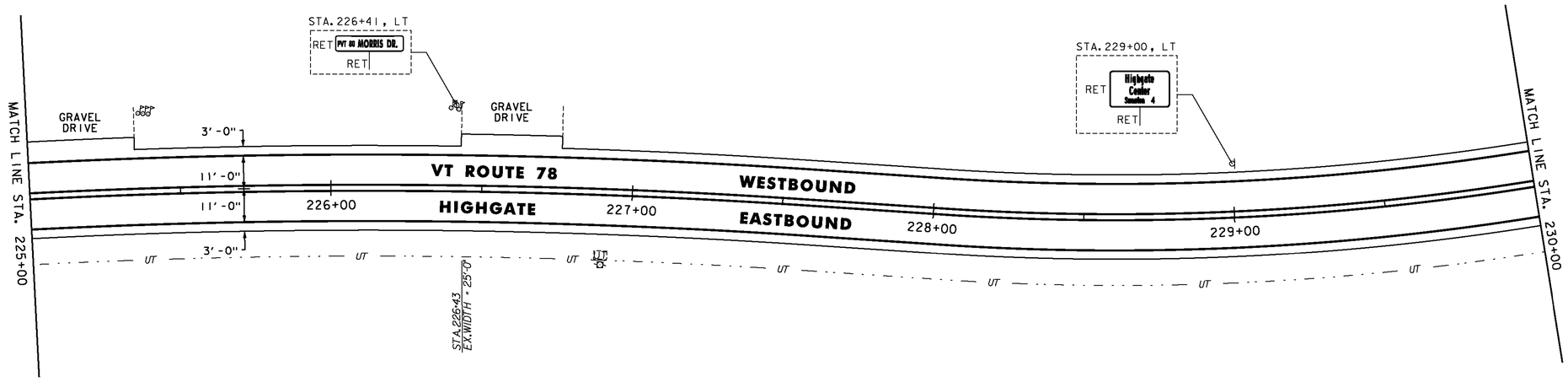
REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. ~~225+00~~ 226+99 TO 230+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 225+00 TO 230+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 225+00 TO 230+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #34

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

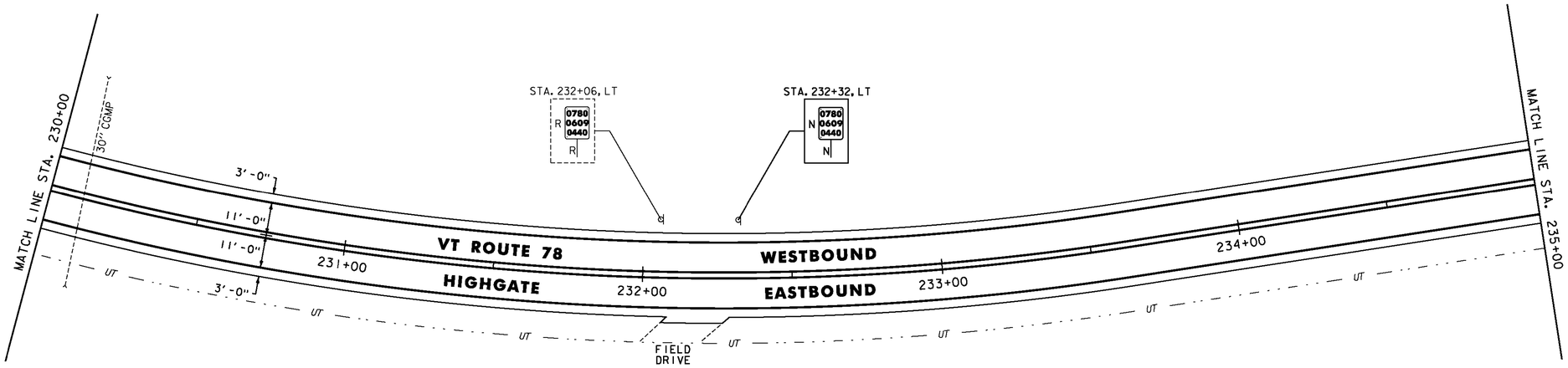
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 52 OF 121

MILLED RUMBLE STRIPS
STA. 230+00 TO 235+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 230+00 TO 235+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 230+00 TO 235+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1

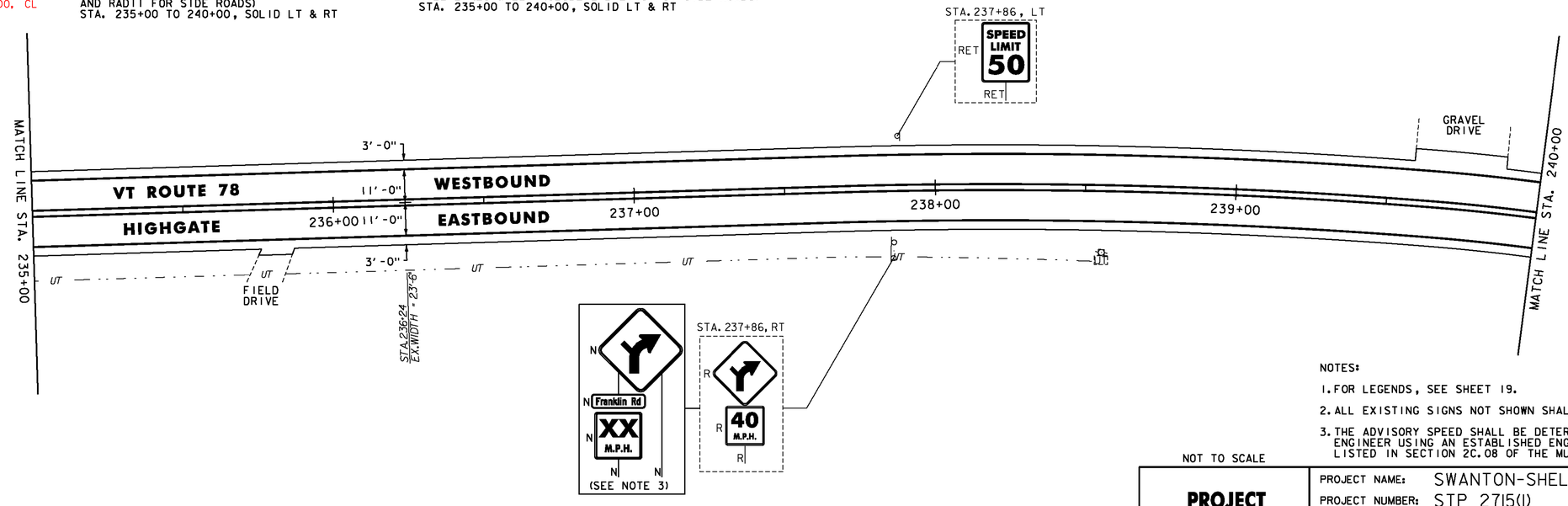


MILLED RUMBLE STRIPS
STA. 235+00 TO ~~240+00~~ 237+18, ℄
STA. 239+71 TO 240+00, CL

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 235+00 TO 240+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 235+00 TO 240+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #35

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 53 OF 121

MILLED RUMBLE STRIPS
STA. 240+00 TO 245+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 242+25.0 TO 242+50.0, RT
STA. 242+31.0 TO 245+00.0, LT
STA. 244+00.0 TO 244+25.0, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 242+50.0 TO 244+00.0, RT

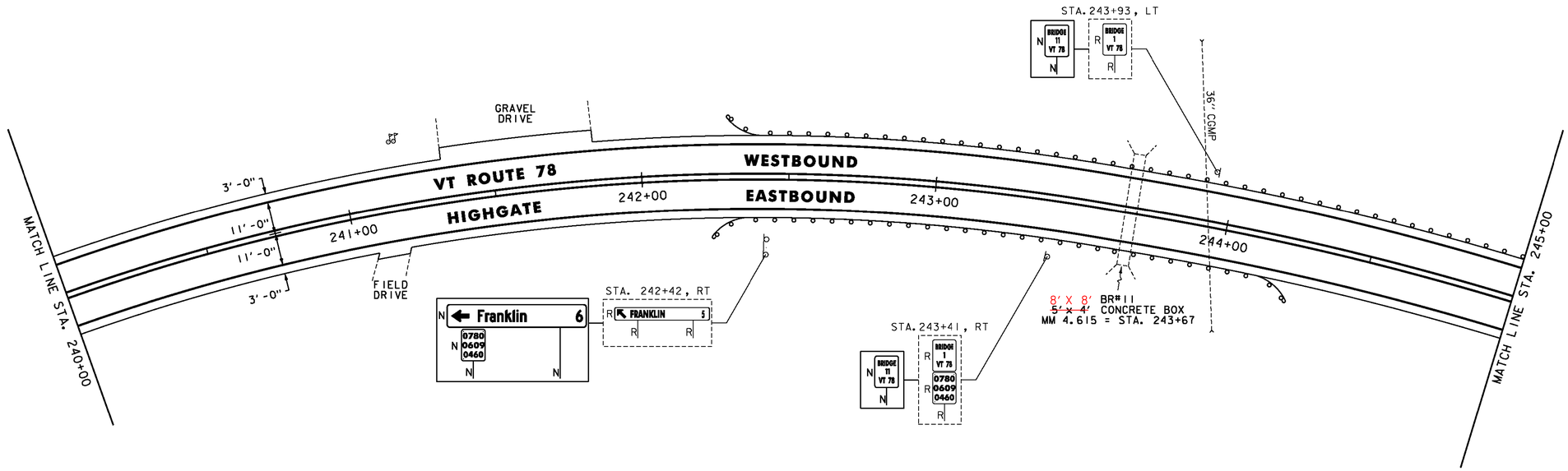
ANCHOR FOR STEEL BEAM RAIL
STA. 242+25.0, RT
STA. 242+31.0, LT
STA. 244+25.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 242+25 TO 244+25, RT
STA. 242+31 TO 245+00, LT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 240+00 TO 245+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 240+00 TO 245+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 4



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #36

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 54 OF 121

MILLED RUMBLE STRIPS
STA. 245+00 TO 250+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 245+00 TO 245+18.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 245+18.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 245+00 TO 245+18.5, LT

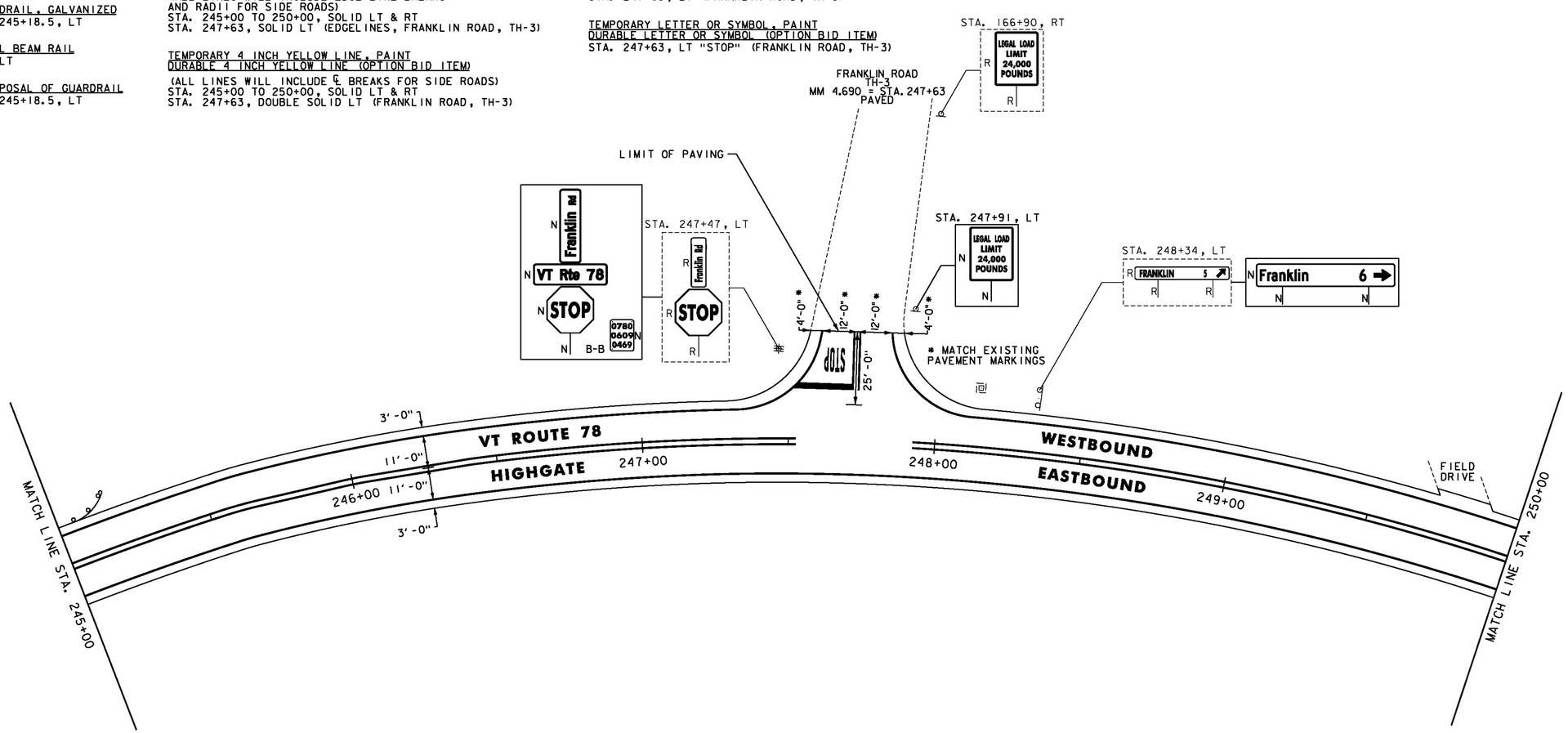
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 245+00 TO 250+00, SOLID LT & RT
STA. 247+63, SOLID LT (EDGELINES, FRANKLIN ROAD, TH-3)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 245+00 TO 250+00, SOLID LT & RT
STA. 247+63, DOUBLE SOLID LT (FRANKLIN ROAD, TH-3)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 247+63, LT (FRANKLIN ROAD, TH-3)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 247+63, LT "STOP" (FRANKLIN ROAD, TH-3)

REMOVING SIGNS
AS SHOWN - 4



NOT TO SCALE

NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

Stantec

PROJECT LAYOUT SHEET #37

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

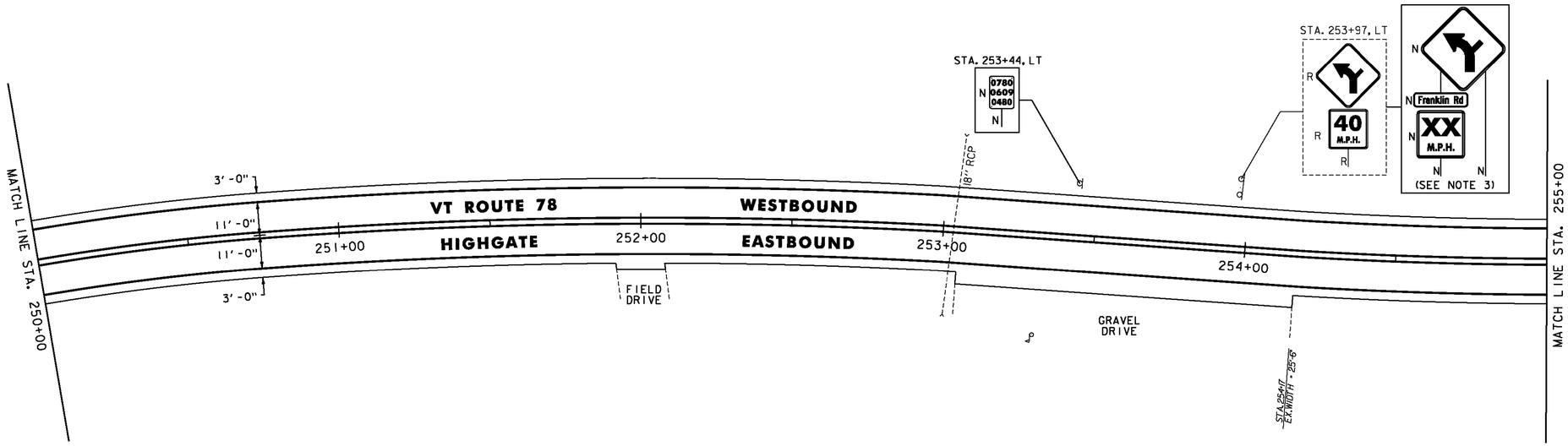
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 55 OF 121

MILLED RUMBLE STRIPS
STA. 250+00 TO ~~255+00~~ 250+27, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 250+00 TO 255+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 250+00 TO 255+00, SOLID LT & RT

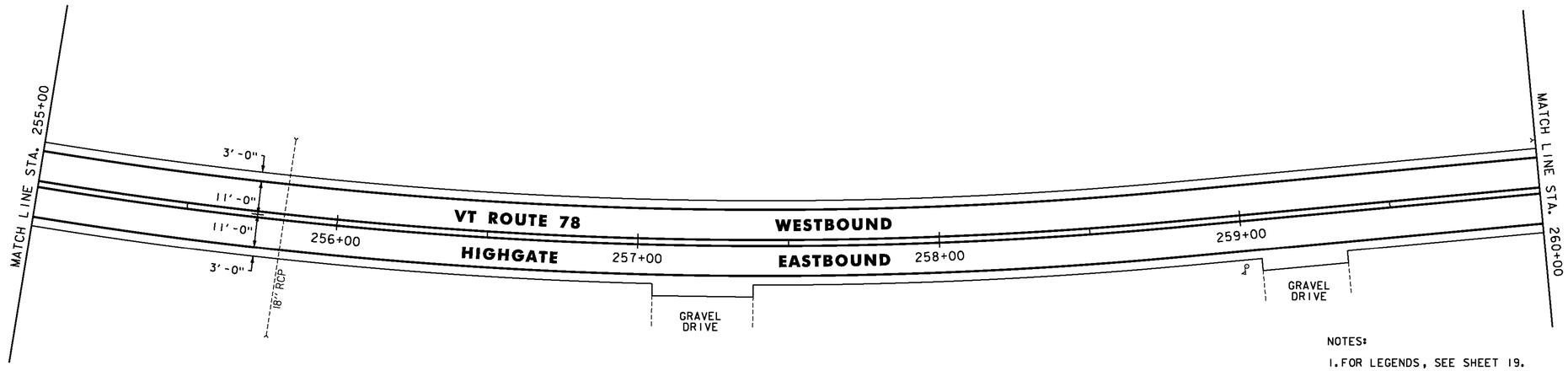
REMOVING SIGNS
AS SHOWN - 2



MILLED RUMBLE STRIPS
STA. ~~255+00 TO 260+00~~, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 255+00 TO 260+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 255+00 TO 260+00, SOLID LT & RT



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #38

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

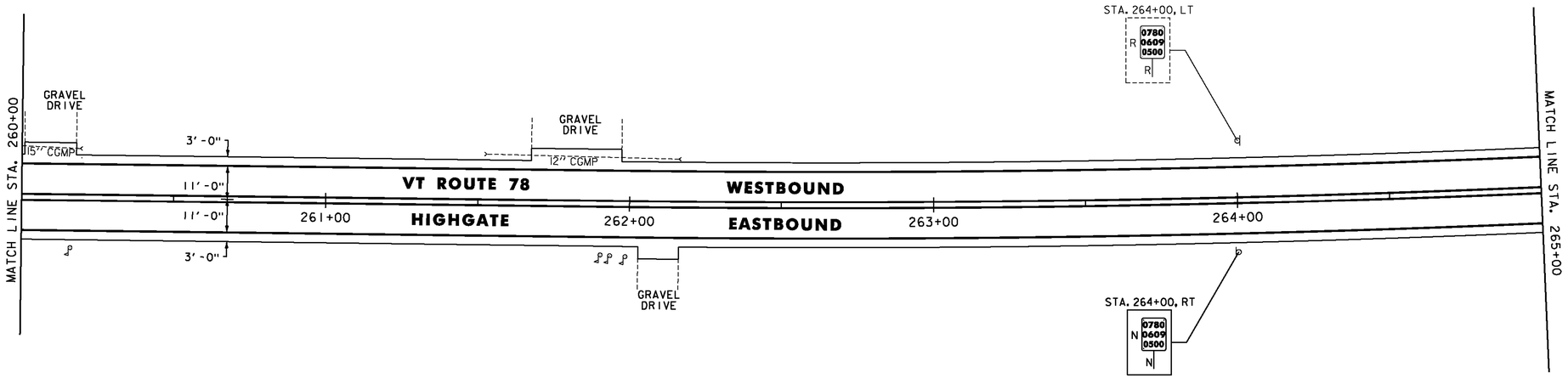
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 56 OF 121

MILLED RUMBLE STRIPS
~~STA. 260+00 TO 265+00~~, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 260+00 TO 265+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 260+00 TO 265+00, SOLID LT & RT

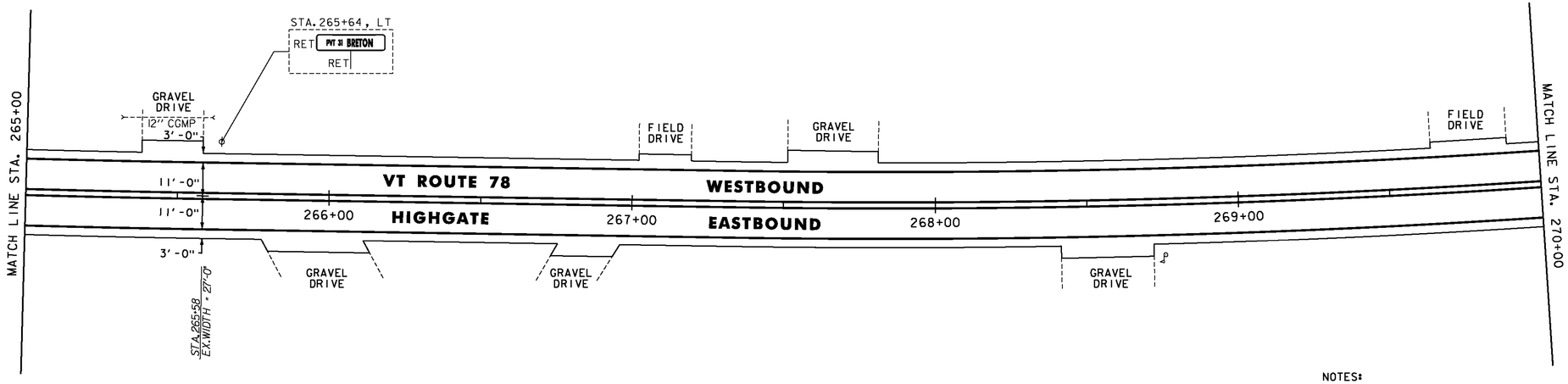
REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. ~~265+00~~ 268+65 TO 270+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 265+00 TO 270+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 265+00 TO 270+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #39

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

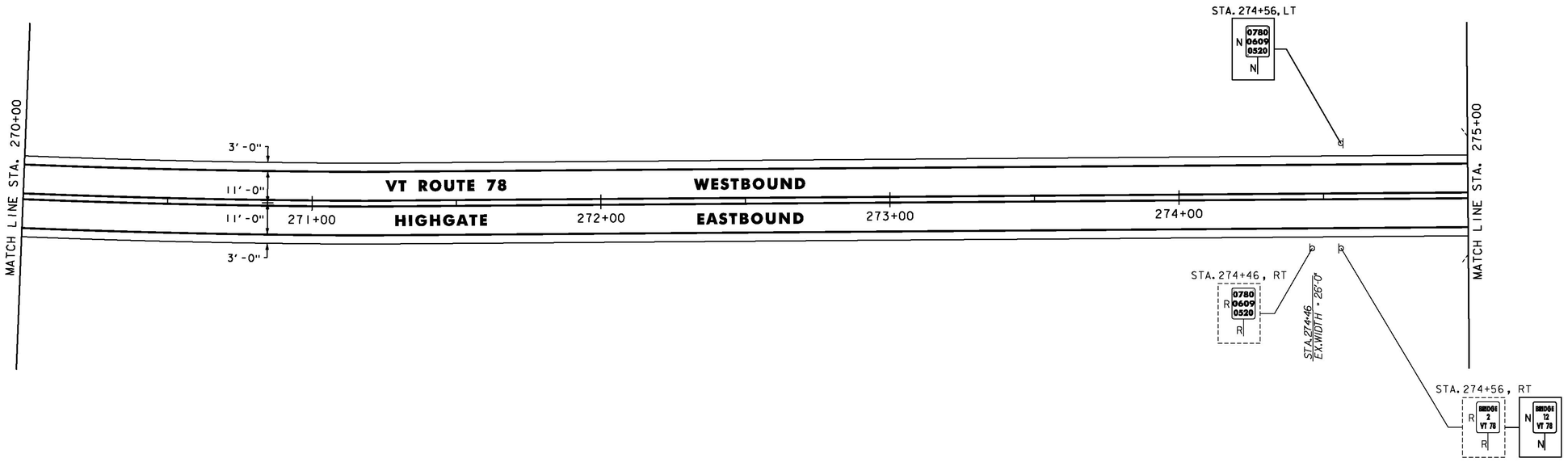
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 57 OF 121

MILLED RUMBLE STRIPS
STA. 270+00 TO 275+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 270+00 TO 275+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 270+00 TO 275+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2

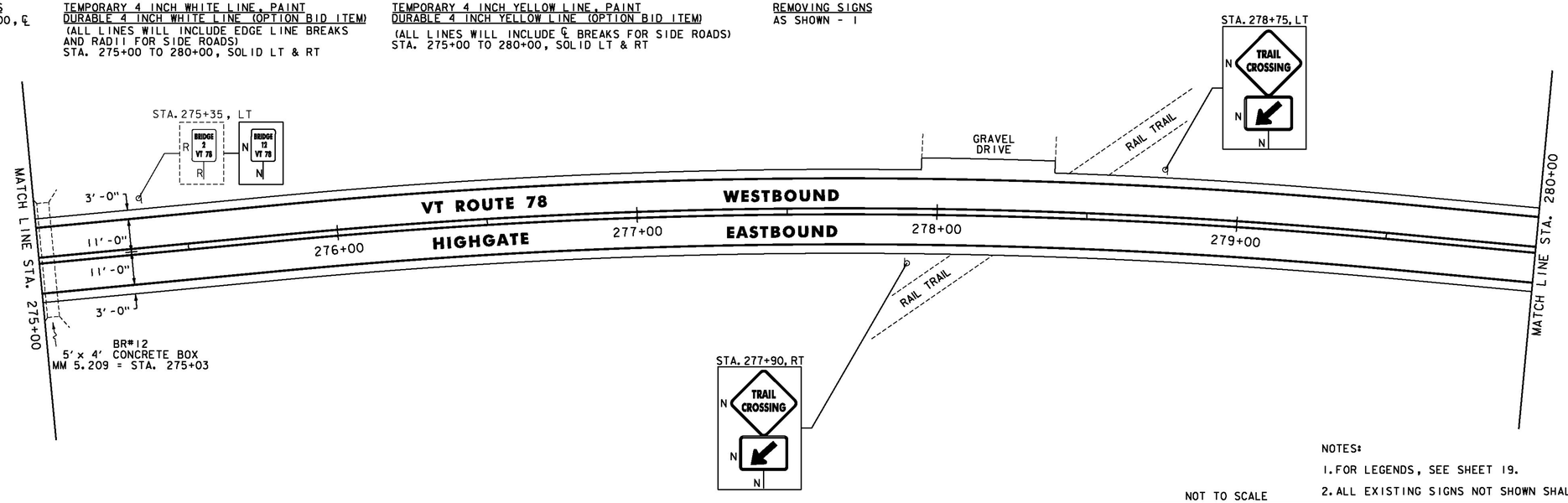


MILLED RUMBLE STRIPS
STA. 275+00 TO 280+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 275+00 TO 280+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 275+00 TO 280+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #40

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

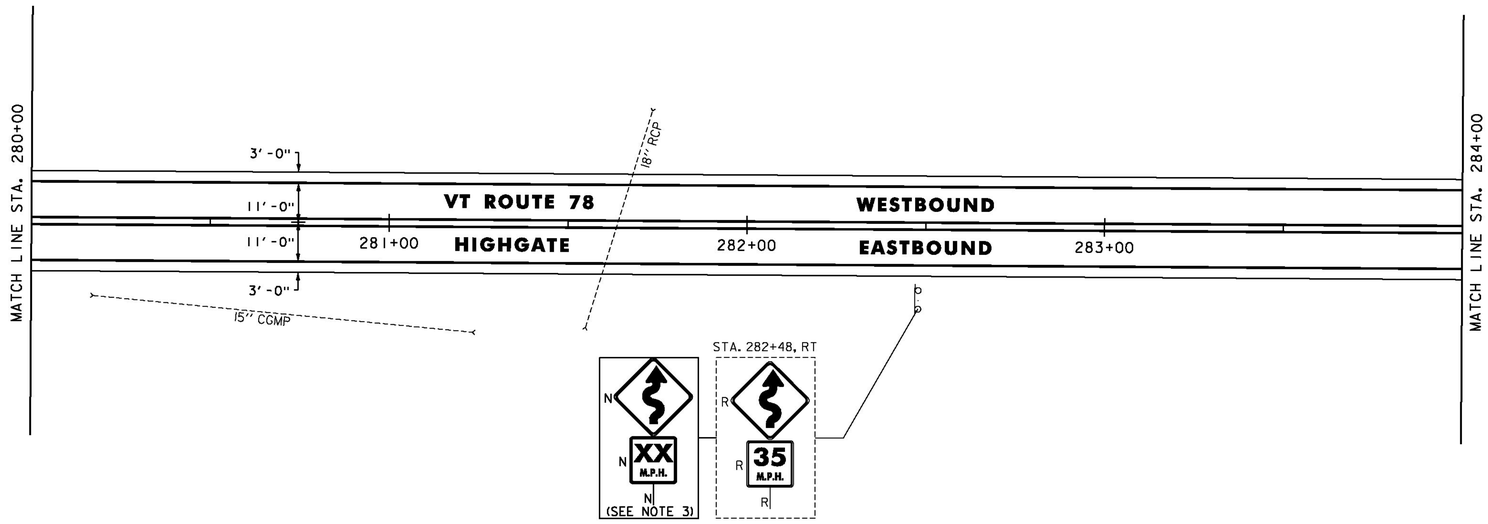
FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 58 OF 121

MILLED RUMBLE STRIPS
STA. 280+00 TO 284+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 280+00 TO 284+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 280+00 TO 284+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



MILLED RUMBLE STRIPS
STA. 284+00 TO 289+50, ℄

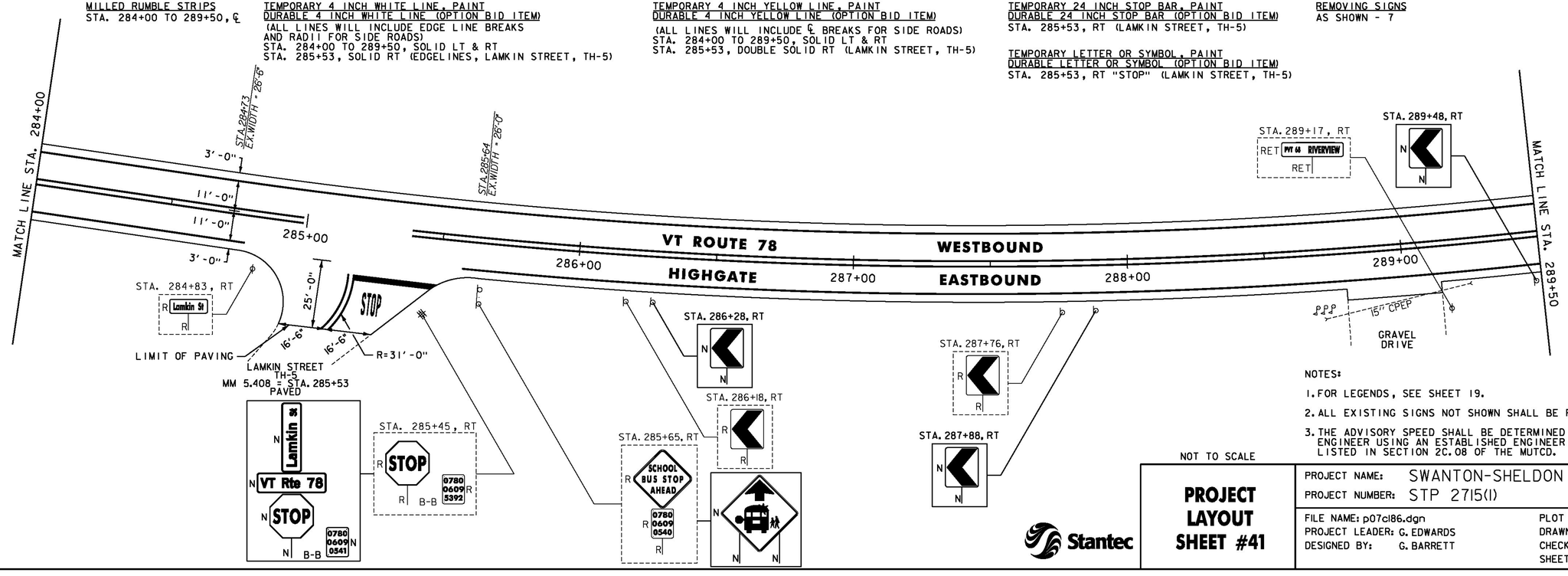
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 284+00 TO 289+50, SOLID LT & RT
STA. 285+53, SOLID RT (EDGELINES, LAMKIN STREET, TH-5)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 284+00 TO 289+50, SOLID LT & RT
STA. 285+53, DOUBLE SOLID RT (LAMKIN STREET, TH-5)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 285+53, RT (LAMKIN STREET, TH-5)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 285+53, RT "STOP" (LAMKIN STREET, TH-5)

REMOVING SIGNS
AS SHOWN - 7



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #41

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

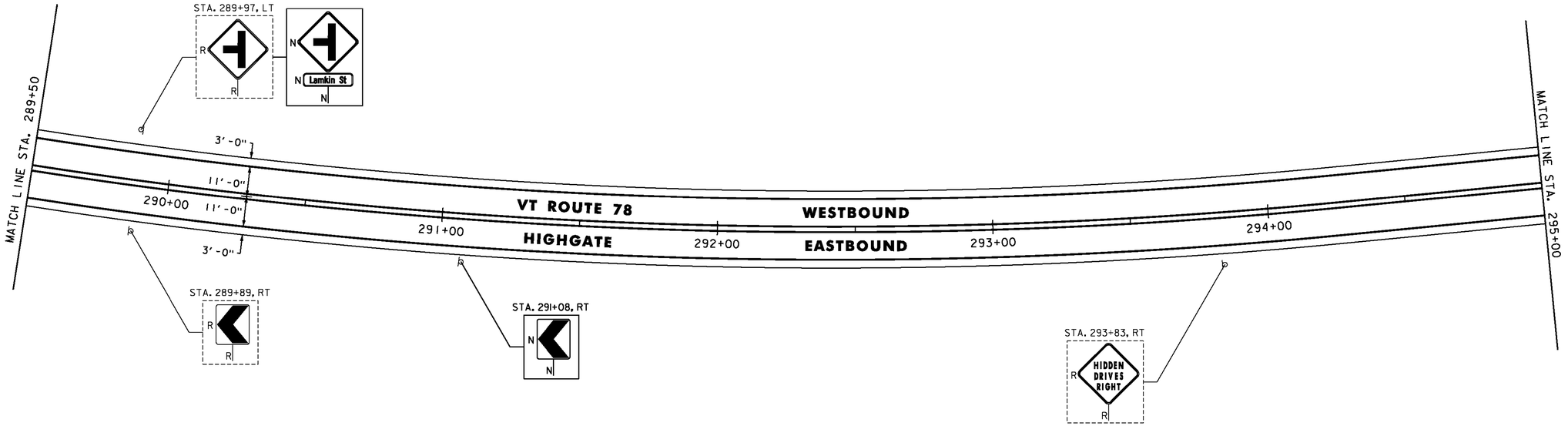
FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 59 OF 121

MILLED RUMBLE STRIPS
STA. 289+50 TO ~~295+00~~ 292+04, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 289+50 TO 295+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 289+50 TO 295+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



MILLED RUMBLE STRIPS
~~STA. 295+00 TO 300+00, ℄~~

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 298+20.0 TO 300+00.0, RT

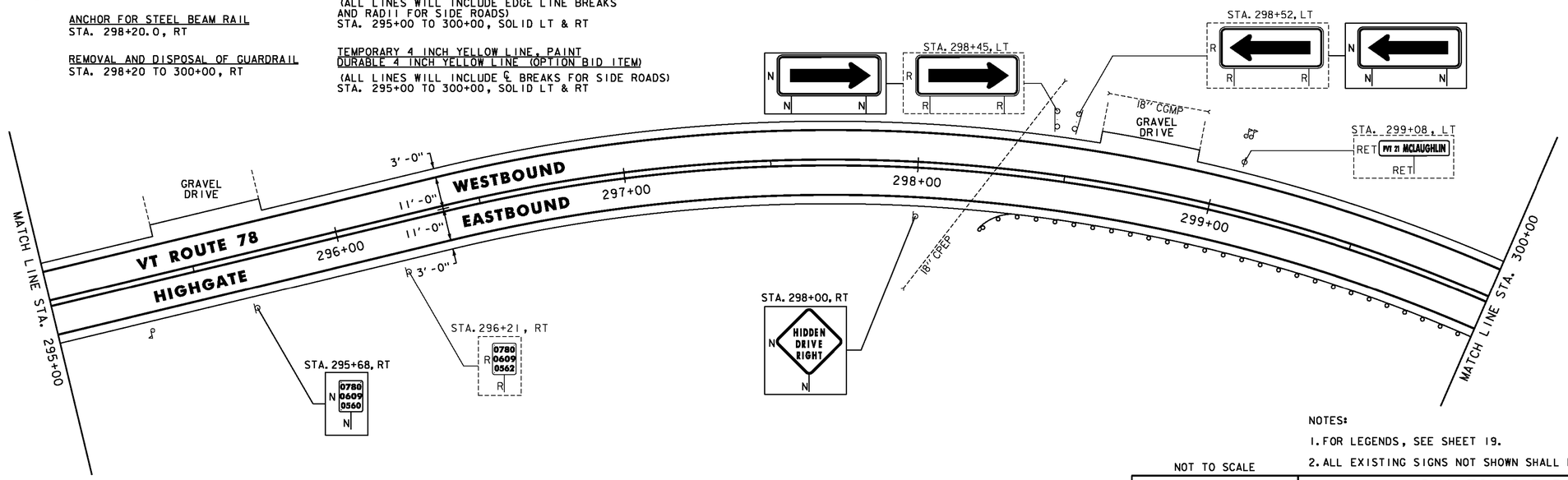
ANCHOR FOR STEEL BEAM RAIL
STA. 298+20.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 298+20 TO 300+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 295+00 TO 300+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 295+00 TO 300+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #42

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 60 OF 121

MILLED RUMBLE STRIPS
~~STA. 300+00 TO 305+00, ℄~~

REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 300+00.0 TO 302+32.5, RT
STA. 303+89.0 TO 304+14.0, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 304+14.0 TO 305+00.0, RT

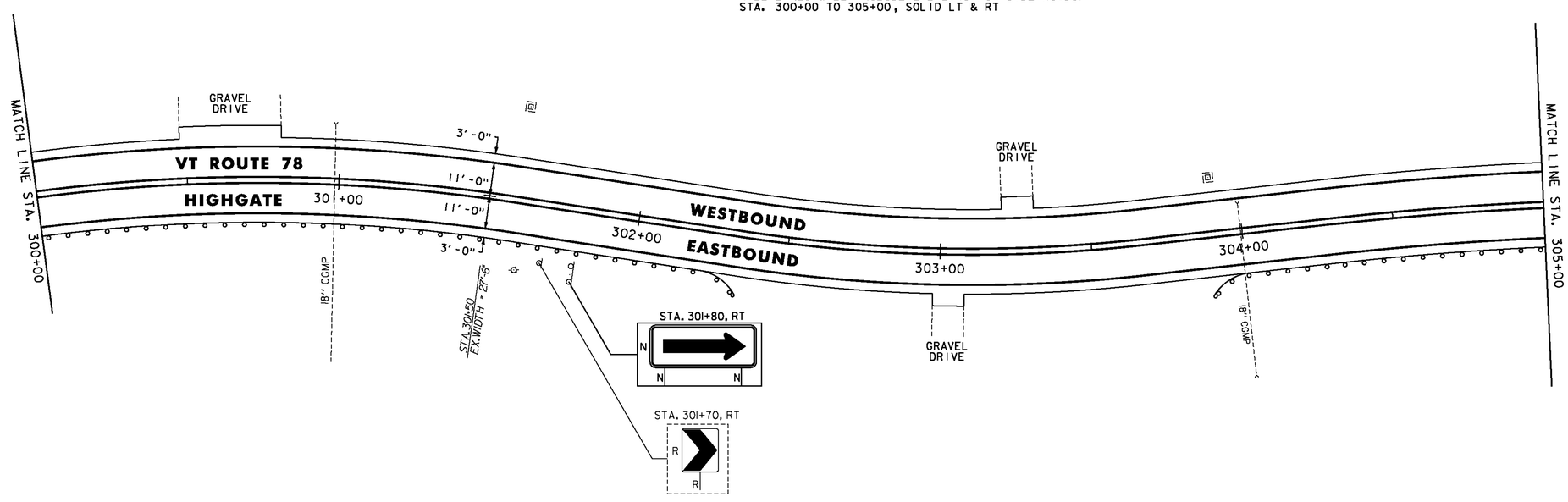
ANCHOR FOR STEEL BEAM RAIL
STA. 302+32.5, RT
STA. 303+89.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 300+00 TO 302+32.5, RT
STA. 303+89 TO 305+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 300+00 TO 305+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 300+00 TO 305+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. ~~305+00~~ 305+24 TO 310+00, ℄
REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 305+00.0 TO 310+00.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 305+00 TO 305+39, RT
STA. 309+09 TO 310+00, RT

STA. 306+24, LT
0780
N 0609
0580
N

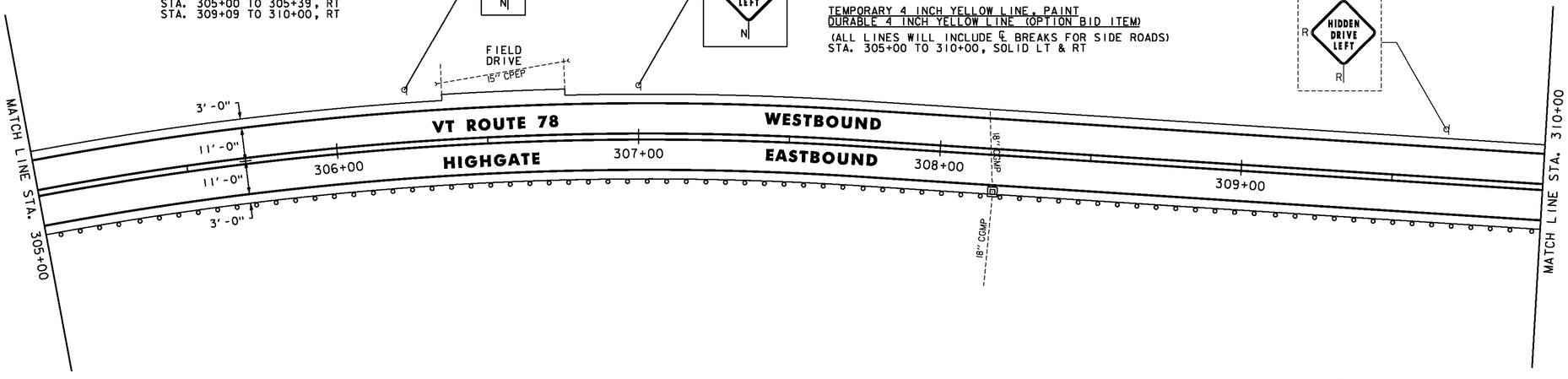
STA. 307+00, LT
HIDDEN DRIVE LEFT
N
N

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 305+00 TO 310+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 305+00 TO 310+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1

STA. 309+67, LT
R
HIDDEN DRIVE LEFT
R



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #43

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 61 OF 121

REMOVING LARGE TREES
STA. 310+87, LT

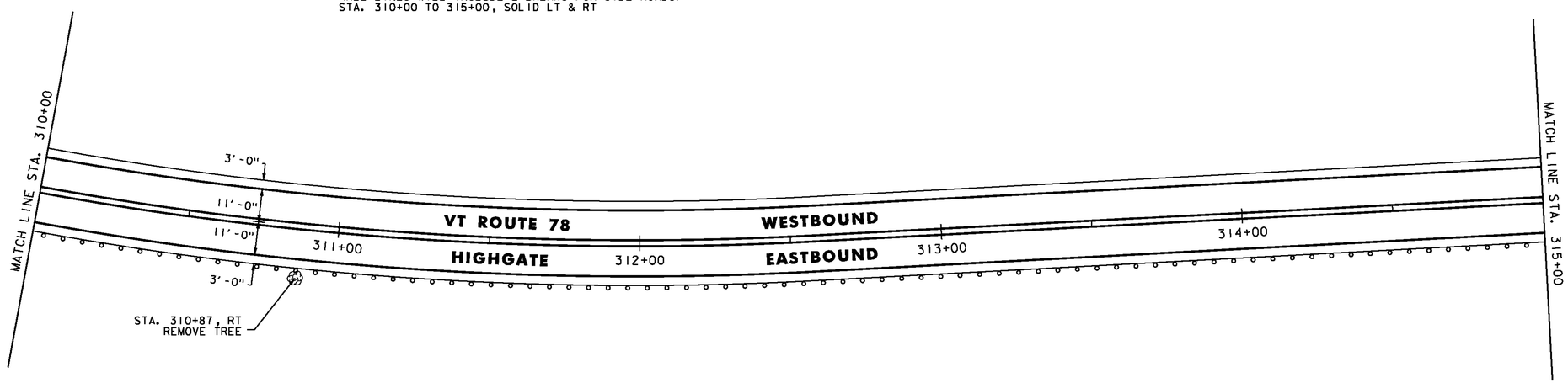
MILLED RUMBLE STRIPS
STA. 310+00 TO 315+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 310+00.0 TO 315+00.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 310+00 TO 315+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 310+00 TO 315+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 310+00 TO 315+00, SOLID LT & RT



MILLED RUMBLE STRIPS
STA. 315+00 TO 320+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. ~~315+49.5 TO 315+74.5~~, RT
315+51.5 TO 315+76.5

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS 315+51.5
STA. 315+00.0 TO ~~315+49~~.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 315+74.5, RT

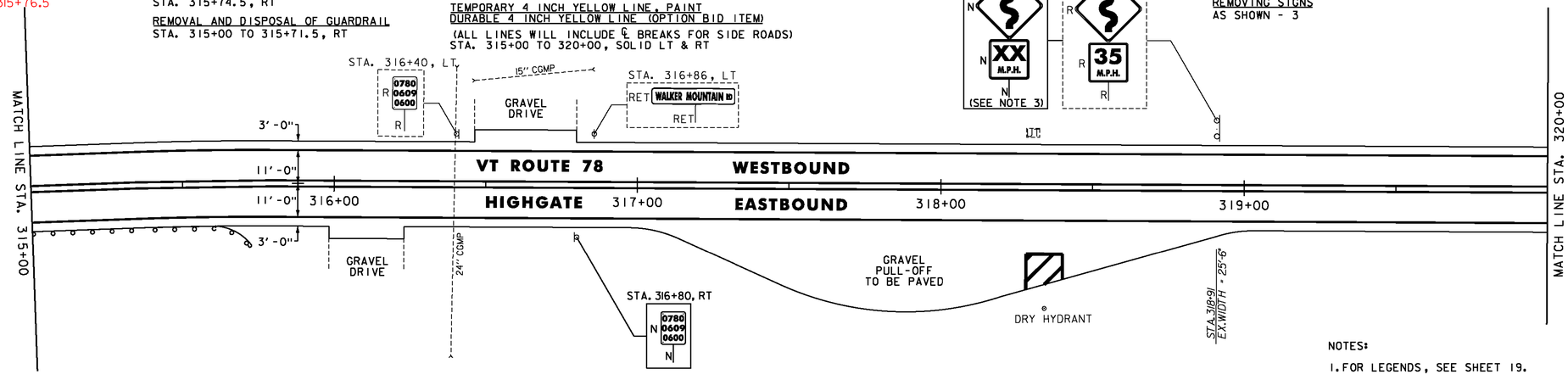
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 315+00 TO 315+71.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 315+00 TO 320+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 315+00 TO 320+00, SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
DURABLE 8 INCH WHITE LINE (OPTION BID ITEM)
STA. 318+28 TO 318+40, SOLID RT (HYDRANT)
SEE DETAIL ON SHEET 16

REMOVING SIGNS
AS SHOWN - 3



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #44

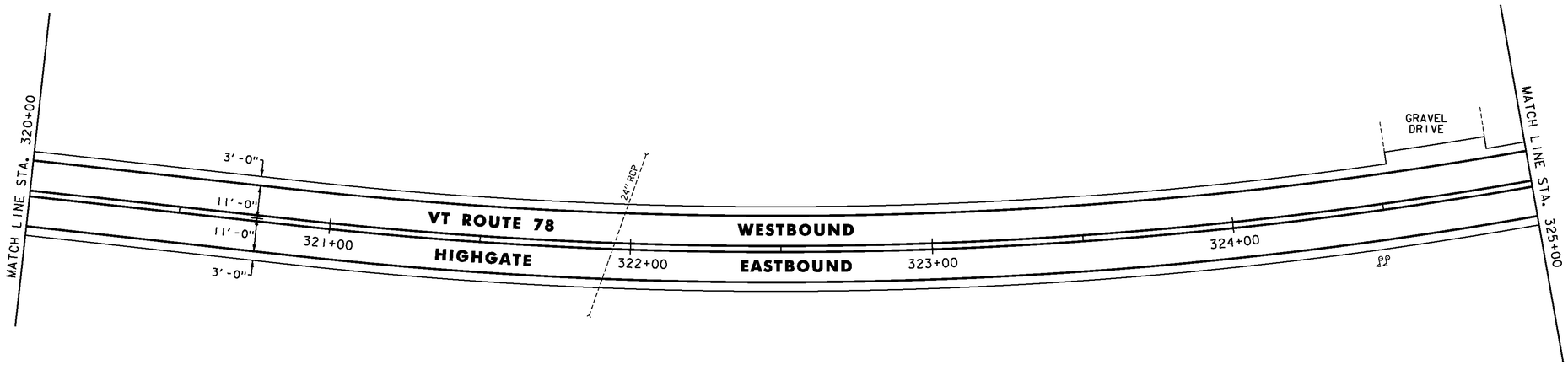
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 62 OF 121

MILLED RUMBLE STRIPS
STA. 320+00 TO 325+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 320+00 TO 325+00, SOLID LT & RT

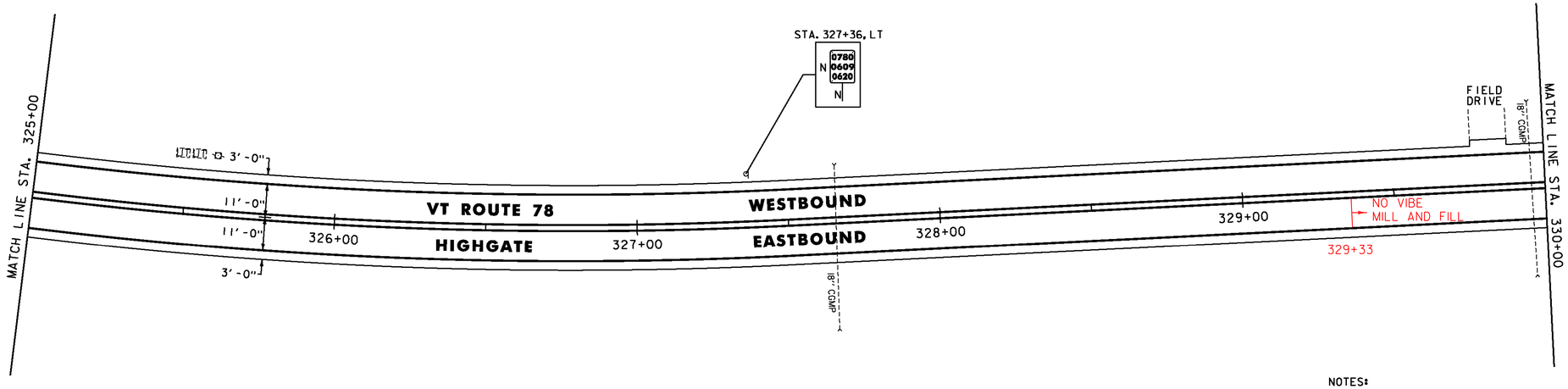
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 320+00 TO 325+00, SOLID LT & RT



MILLED RUMBLE STRIPS
STA. 325+00 TO 330+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 325+00 TO 330+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 325+00 TO 330+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #45

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 63 OF 121

MILLED RUMBLE STRIPS
STA. 330+00 TO 335+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 334+10.0 TO 334+35.0, RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
STA. 334+35.0 TO 335+00.0, RT

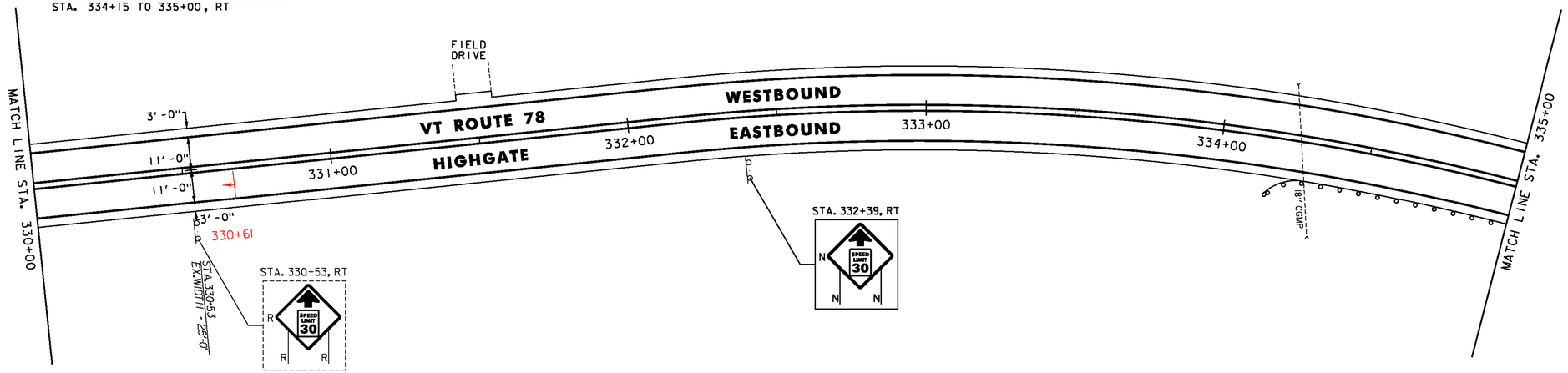
ANCHOR FOR STEEL BEAM RAIL
STA. 334+10.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 334+15 TO 335+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 330+00 TO 335+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 330+00 TO 335+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



MILLED RUMBLE STRIPS
STA. 335+00 TO ~~336+34~~ 336+55, ℄

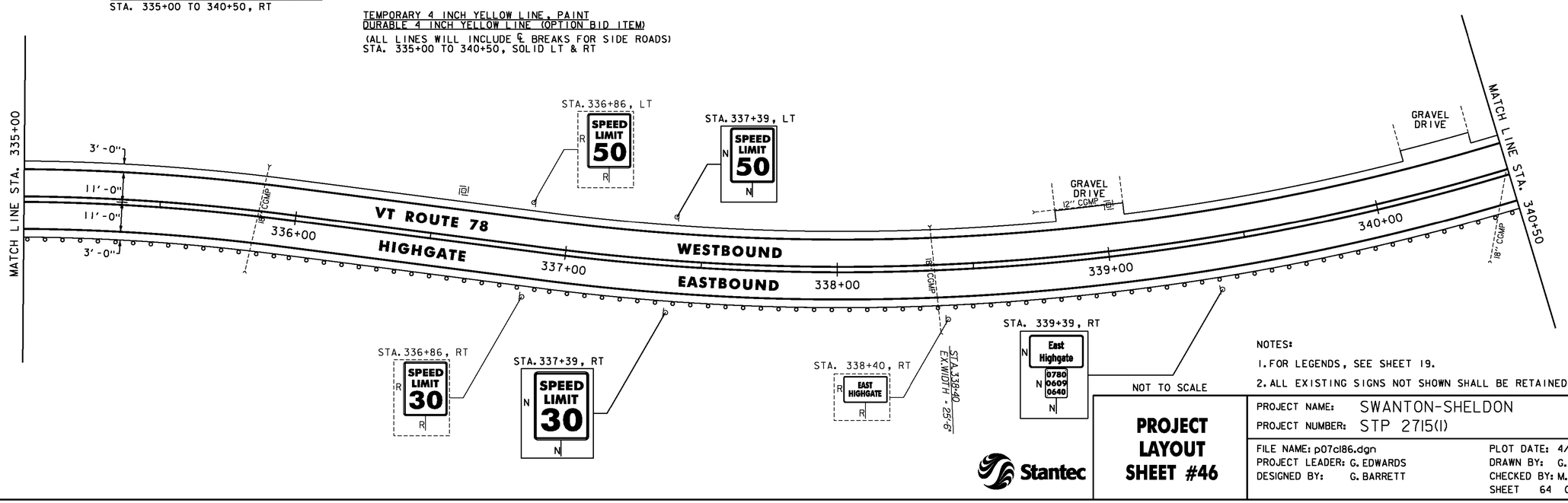
STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
STA. 335+00.0 TO 340+50.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 335+00 TO 340+50, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 335+00 TO 340+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 335+00 TO 340+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #46

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 64 OF 121

REHAB. Dis. CBs OR MHs. CLASS I OR II
SEE SHEET 13

STONE FILL, TYPE I
STA. 344+84 TO 344+90, RT
STA. 345+50 TO 345+56, RT

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 343+78, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 340+50.0 TO 346+00.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 340+50 TO 346+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 340+50 TO 346+00, SOLID LT & RT
STA. 345+22, SOLID LT (EDGELINES, HANNA ROAD, TH-62)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 340+50 TO 346+00, SOLID LT & RT
STA. 345+22, DOUBLE SOLID LT (HANNA ROAD, TH-62)

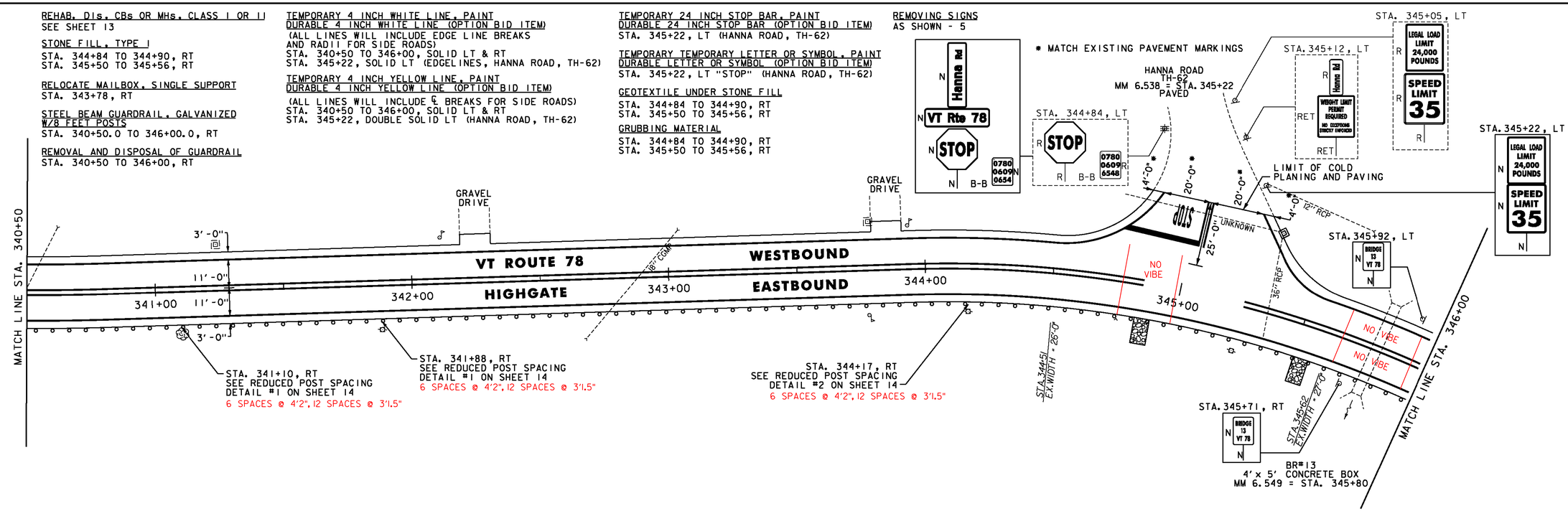
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 345+22, LT (HANNA ROAD, TH-62)

TEMPORARY TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 345+22, LT "STOP" (HANNA ROAD, TH-62)

GEOTEXTILE UNDER STONE FILL
STA. 344+84 TO 344+90, RT
STA. 345+50 TO 345+56, RT

GRUBBING MATERIAL
STA. 344+84 TO 344+90, RT
STA. 345+50 TO 345+56, RT

REMOVING SIGNS
AS SHOWN - 5



STONE FILL, TYPE I
STA. 346+33 TO 346+39, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 347+97.5 TO 348+22.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 346+00.0 TO 347+97.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 348+22.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 346+00 TO 348+15, RT

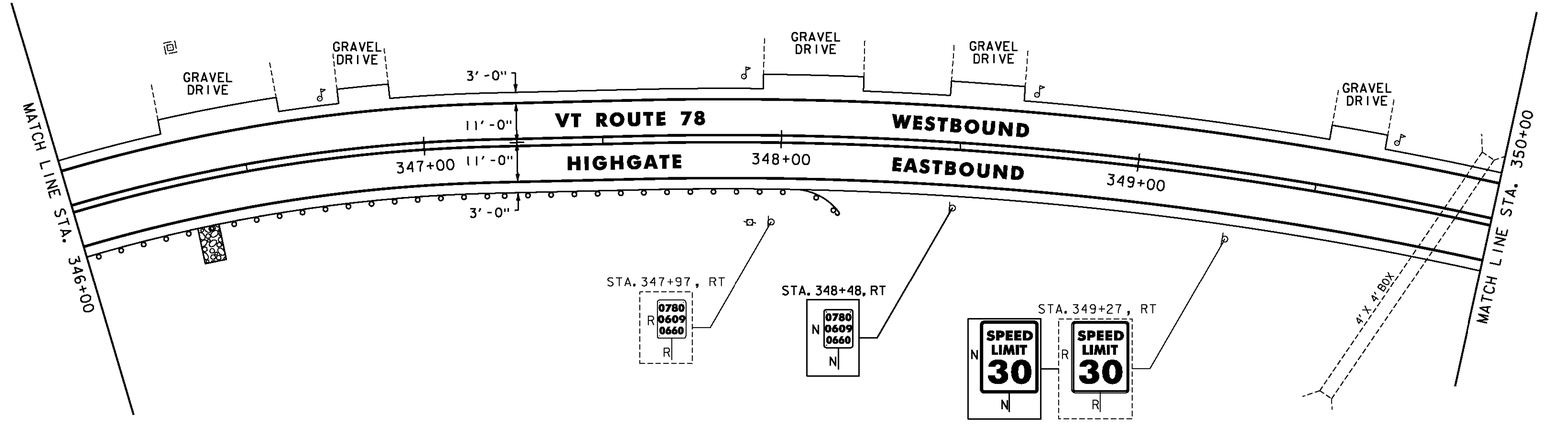
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 346+00 TO 350+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 346+00 TO 350+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 346+33 TO 346+39, RT

GRUBBING MATERIAL
STA. 346+33 TO 346+39, RT

REMOVING SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #47

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

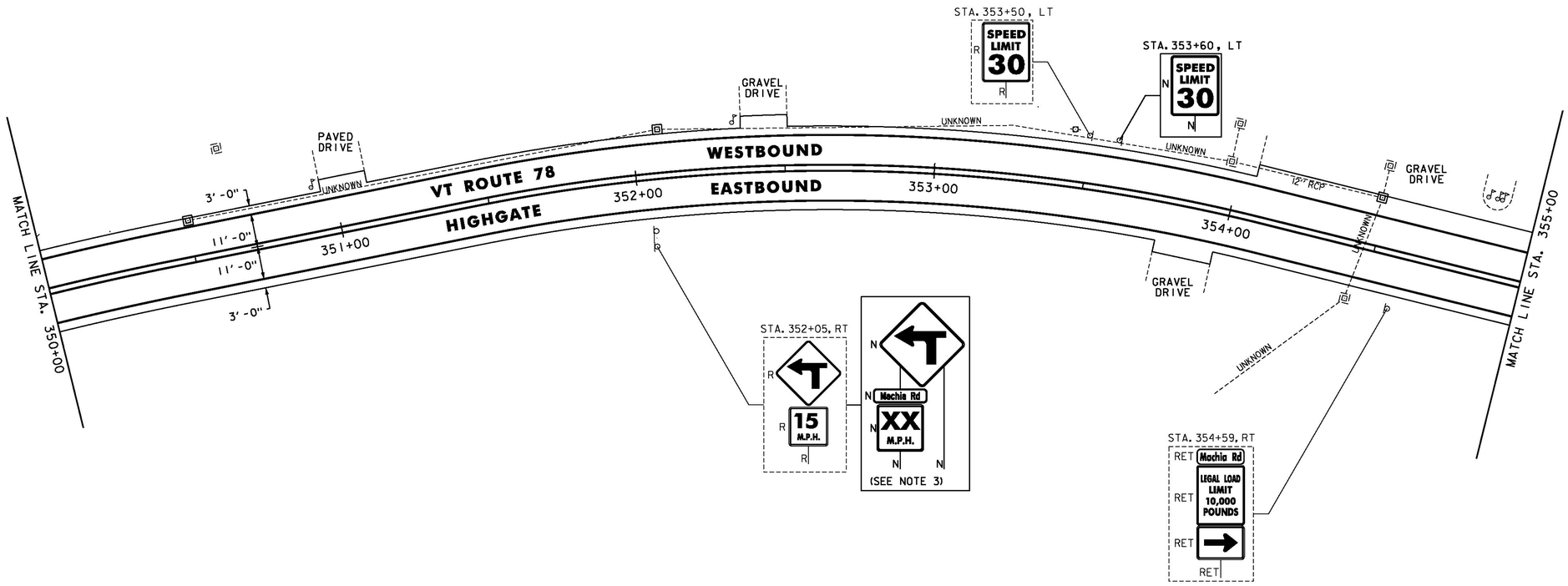
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 65 OF 121

REHAB. DIs, CBs OR MHs, CLASS I OR II
SEE SHEET 13

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 350+00 TO 355+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 350+00 TO 355+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #48

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 66 OF 121

REHAB. Dis. CBs OR MHs. CLASS I OR II
SEE SHEET 13

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 355+00 TO 360+00, SOLID LT & RT
STA. 357+18, SOLID RT (EDGELINES, MACHIA ROAD, TH-4)

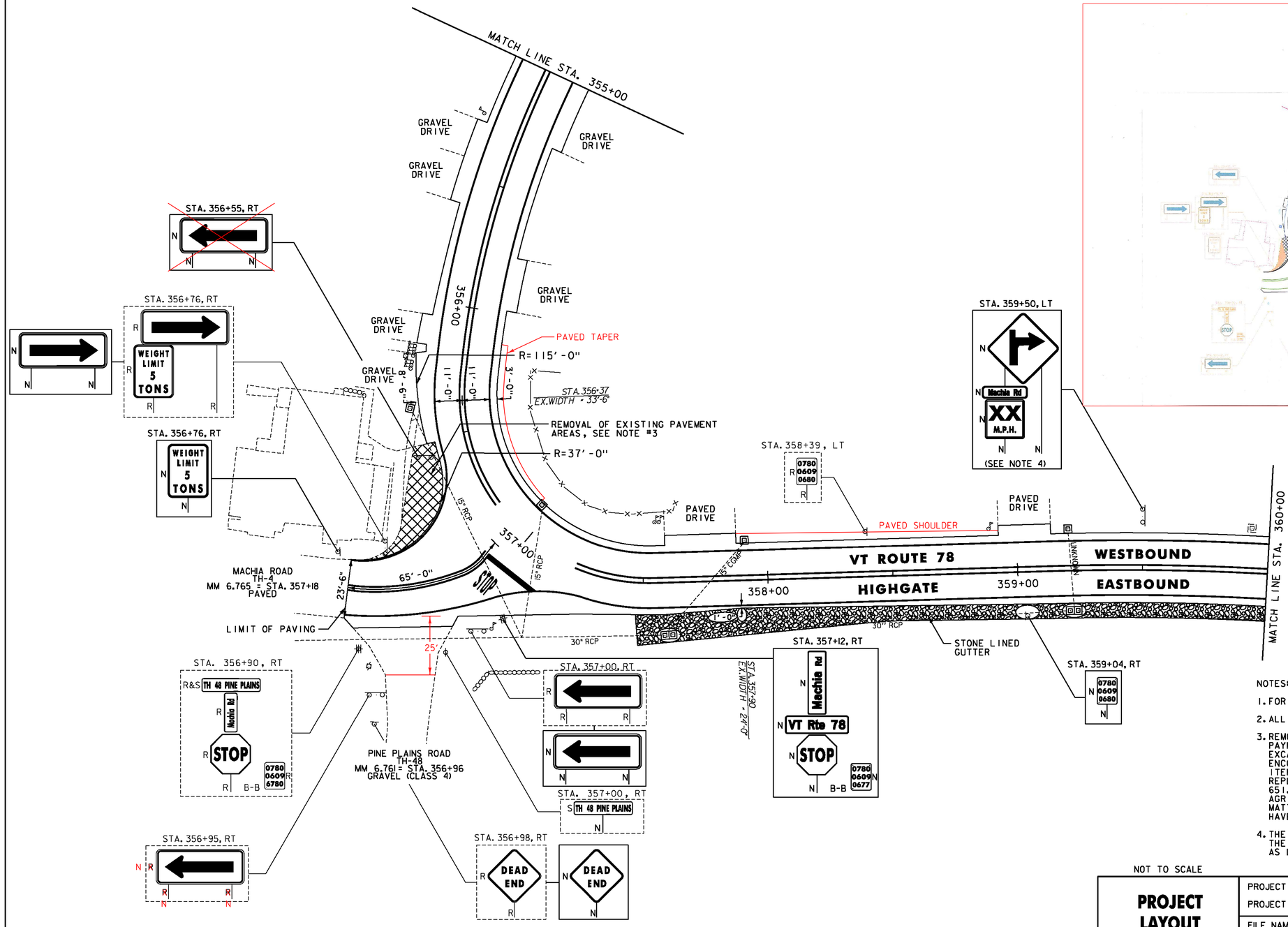
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 355+00 TO 360+00, SOLID LT & RT
STA. 357+18, DOUBLE SOLID RT (MACHIA ROAD, TH-4)

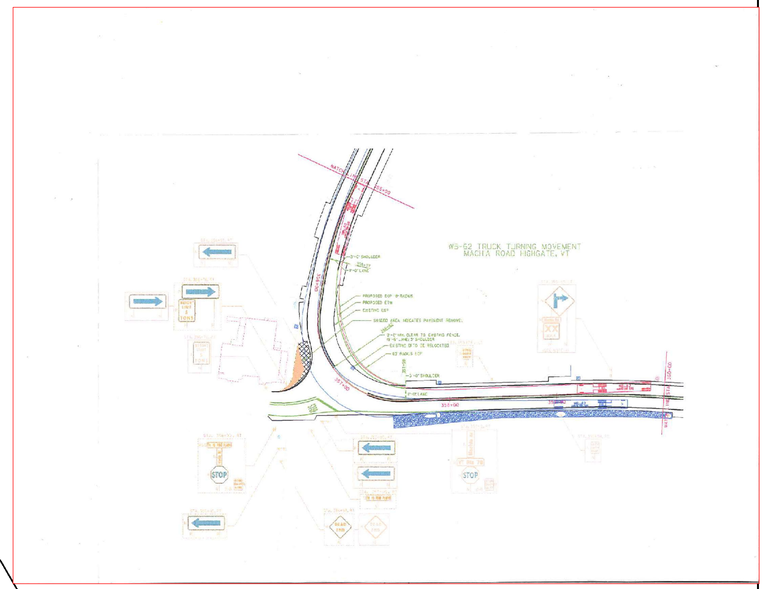
TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 357+18, (MACHIA ROAD, TH-4)

TEMPORARY TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 357+18, (MACHIA ROAD, TH-4)

REMOVING SIGNS
AS SHOWN - 10

ERECTING SALVAGED SIGNS
AS SHOWN - 1





NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. REMOVE 4 INCHES OF EXISTING PAVEMENT AS SHOWN. PAYMENT TO BE MADE UNDER ITEM 203.15 - COMMON EXCAVATION. IF LESS THAN 4 INCHES OF PAVEMENT IS ENCOUNTERED, REMOVAL OF SUBBASE SHALL BE PAID UNDER ITEM 203.15 - COMMON EXCAVATION. REPLACE WITH 4 INCHES OF ITEM 651.35 - TOPSOIL, 651.15 - SEED, 651.18 - FERTILIZER, 651.20 - AGRICULTURAL LIMESTONE AND 653.20 - TEMPORARY EROSION MATTING. ESTIMATED QUANTITIES OF THE INDICATED ITEMS HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER.
4. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #49

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

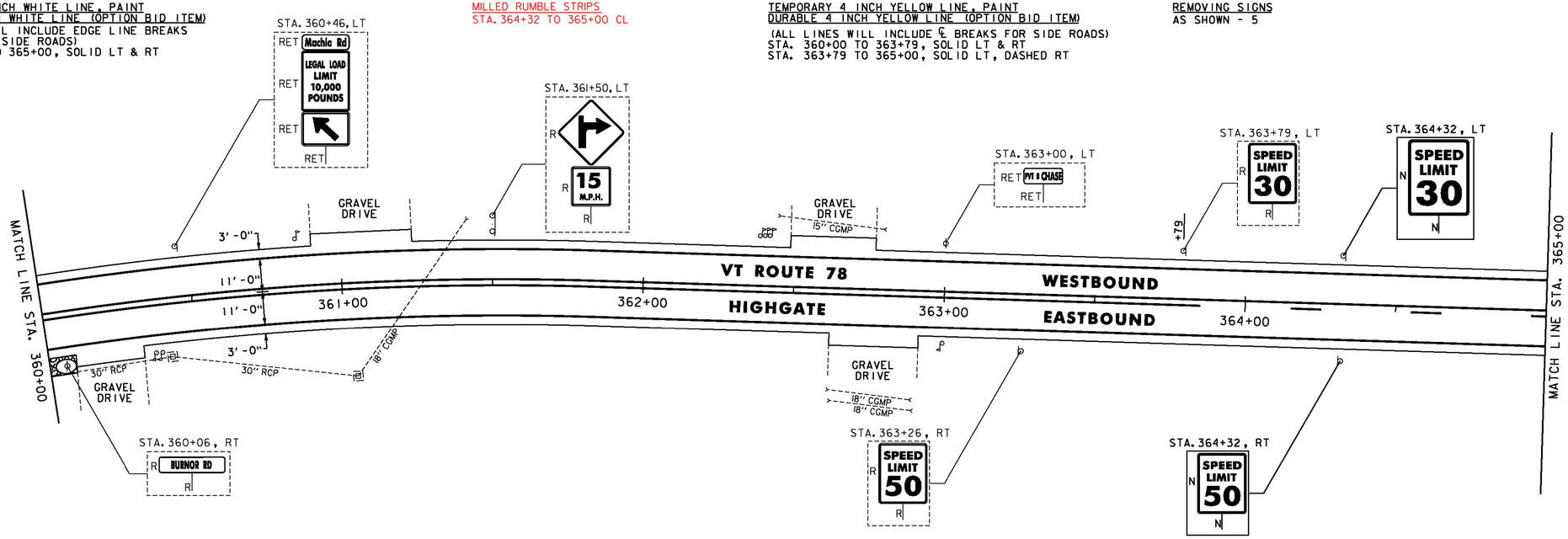
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 67 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 360+00 TO 365+00, SOLID LT & RT

MILLED RUMBLE STRIPS
STA. 364+32 TO 365+00 CL

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 360+00 TO 363+79, SOLID LT & RT
STA. 363+79 TO 365+00, SOLID LT, DASHED RT

REMOVING SIGNS
AS SHOWN - 5

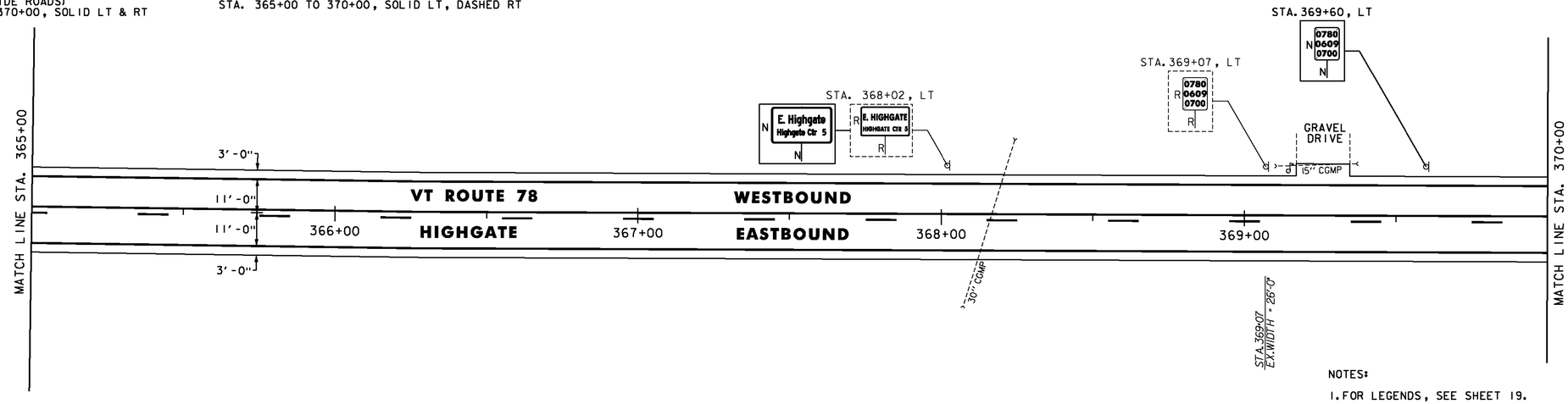


TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 365+00 TO 370+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 365+00 TO 370+00, SOLID LT, DASHED RT

REMOVING SIGNS
AS SHOWN - 2

MILLED RUMBLE STRIPS
STA. 365+00 TO 370+00 CL



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #50

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

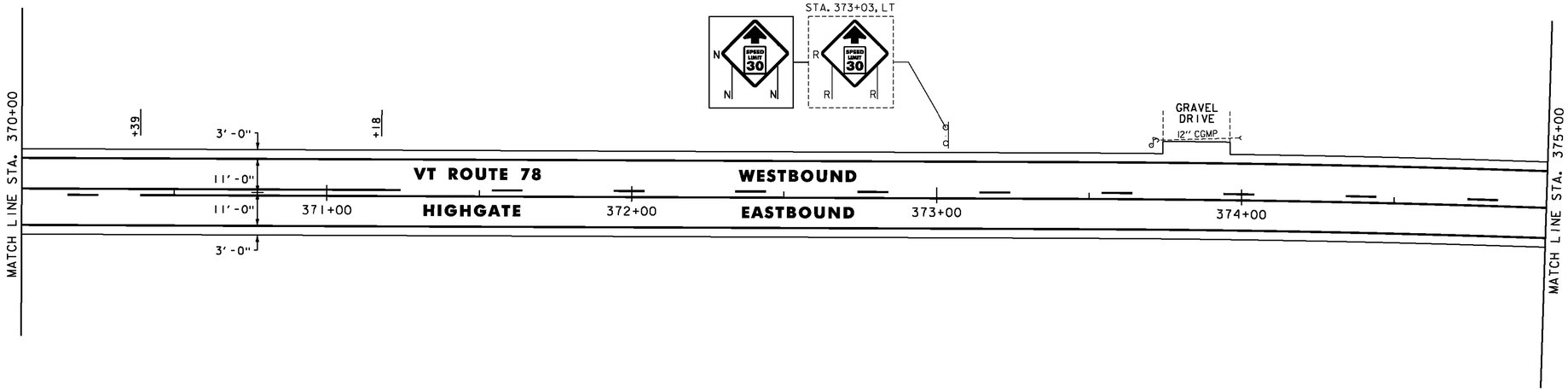
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 68 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 370+00 TO 375+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 370+00 TO 370+39, SOLID LT, DASHED RT
STA. 370+39 TO 371+18, SOLID LT & RT
STA. 371+18 TO 375+00, DASHED LT, SOLID RT

REMOVING SIGNS
AS SHOWN - 1

MILLED RUMBLE STRIPS
STA. 370+00 TO 372+08 CL



MILLED RUMBLE STRIPS
~~STA. 378+00 TO 380+00, ℄~~

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 377+69.5 TO 377+94.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
STA. 377+94.5 TO 380+00.0, RT

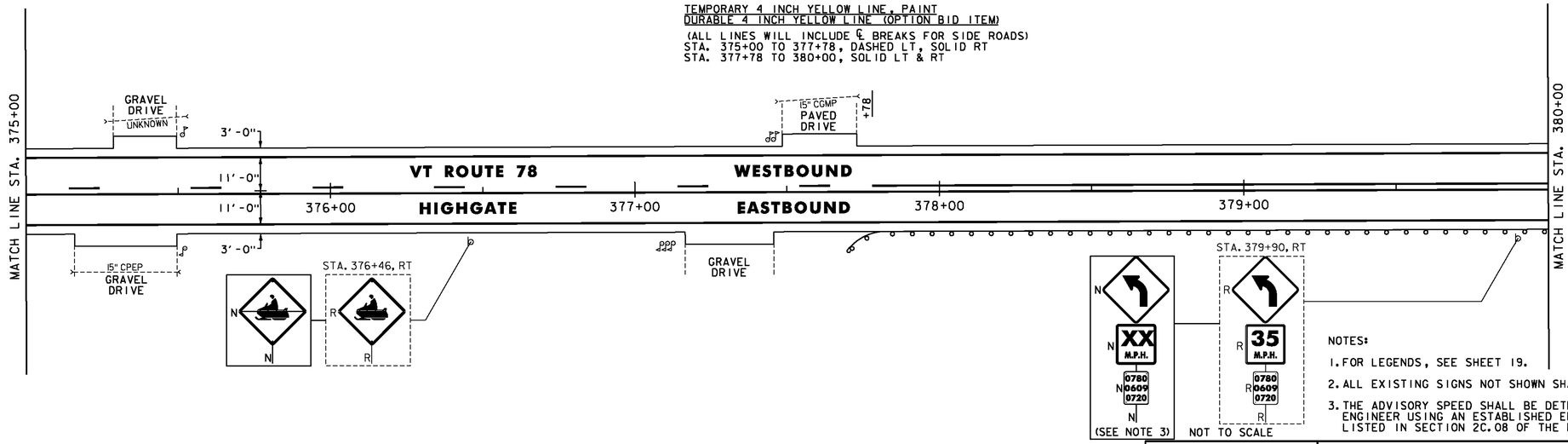
ANCHOR FOR STEEL BEAM RAIL
STA. 377+69.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 377+69.5 TO 380+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 375+00 TO 380+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 375+00 TO 377+78, DASHED LT, SOLID RT
STA. 377+78 TO 380+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 4



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

Stantec

PROJECT LAYOUT SHEET #51

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 69 OF 121

MILLED RUMBLE STRIPS
STA. ~~380+00~~ 380+95 TO 385+00, ℄

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 381+69.5 TO 381+94.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 380+00.0 TO 381+69.5, RT

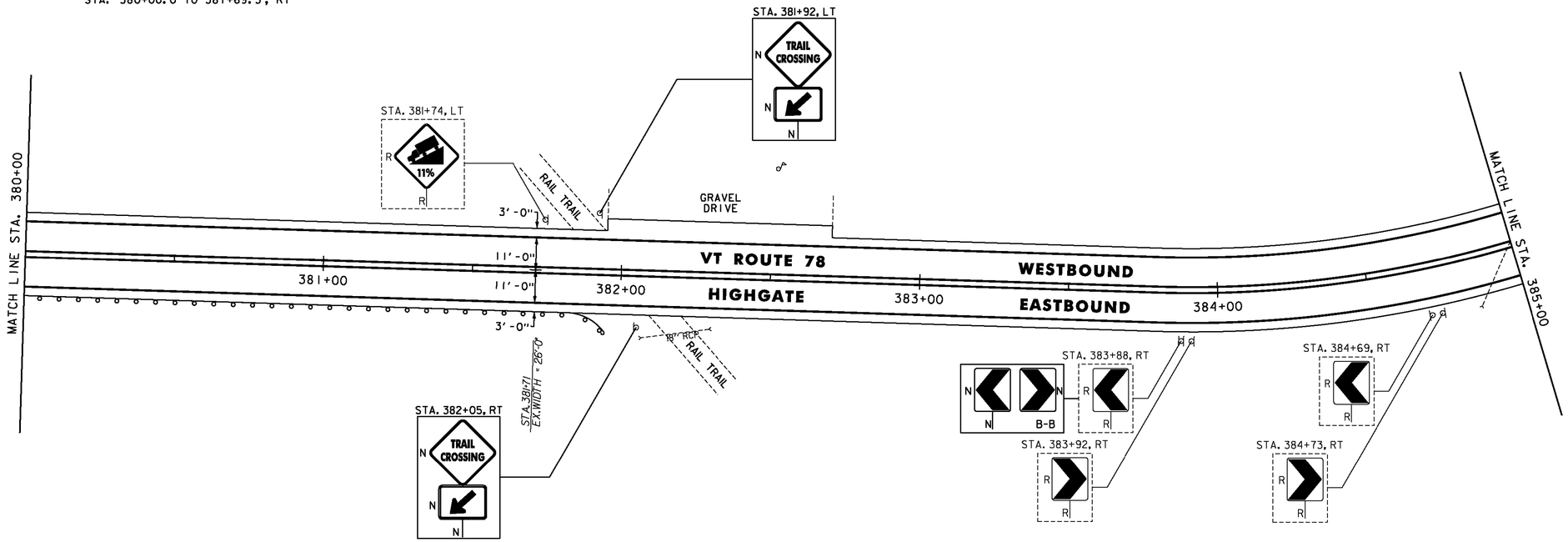
ANCHOR FOR STEEL BEAM RAIL
STA. 381+94.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 380+00 TO 381+94.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 380+00 TO 385+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 380+00 TO 385+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 5

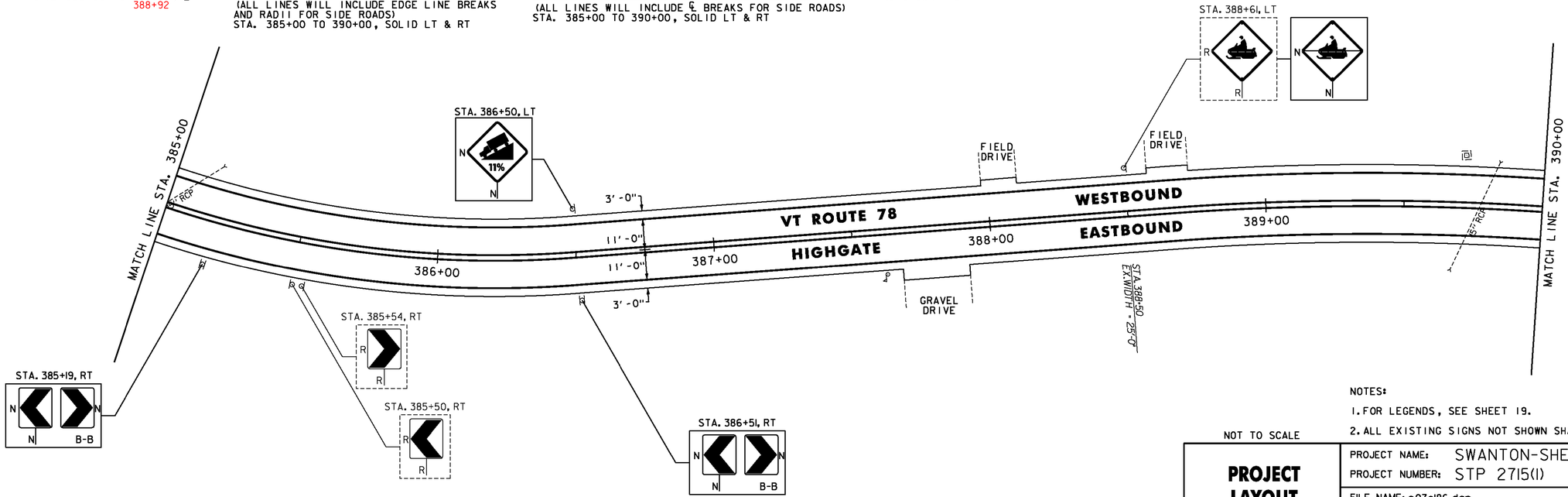


MILLED RUMBLE STRIPS
STA. 385+00 TO ~~390+00~~ 388+92, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 385+00 TO 390+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 385+00 TO 390+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #52

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

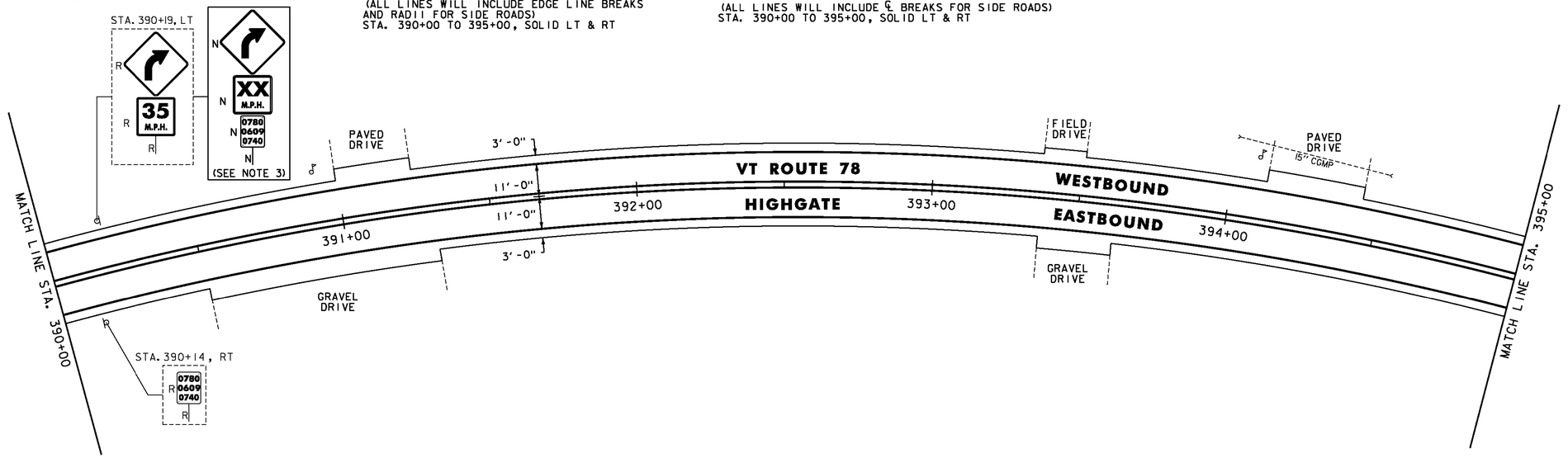
FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 70 OF 121

MILLED RUMBLE STRIPS
STA. ~~390+00~~ 393+15 TO 395+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 390+00 TO 395+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 390+00 TO 395+00, SOLID LT & RT

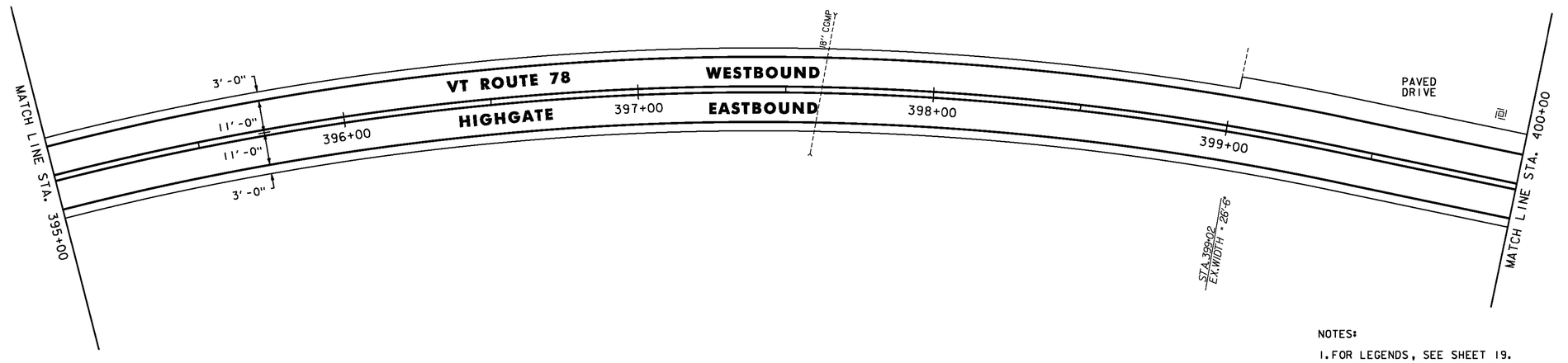
REMOVING SIGNS
AS SHOWN - 3



MILLED RUMBLE STRIPS
STA. 395+00 TO ~~400+00~~ 398+16, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 395+00 TO 400+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 395+00 TO 400+00, SOLID LT & RT



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE ADVISORY SPEED SHALL BE DETERMINED AS DIRECTED BY THE ENGINEER USING AN ESTABLISHED ENGINEERING PRACTICE AS LISTED IN SECTION 2C.08 OF THE MUTCD.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #53

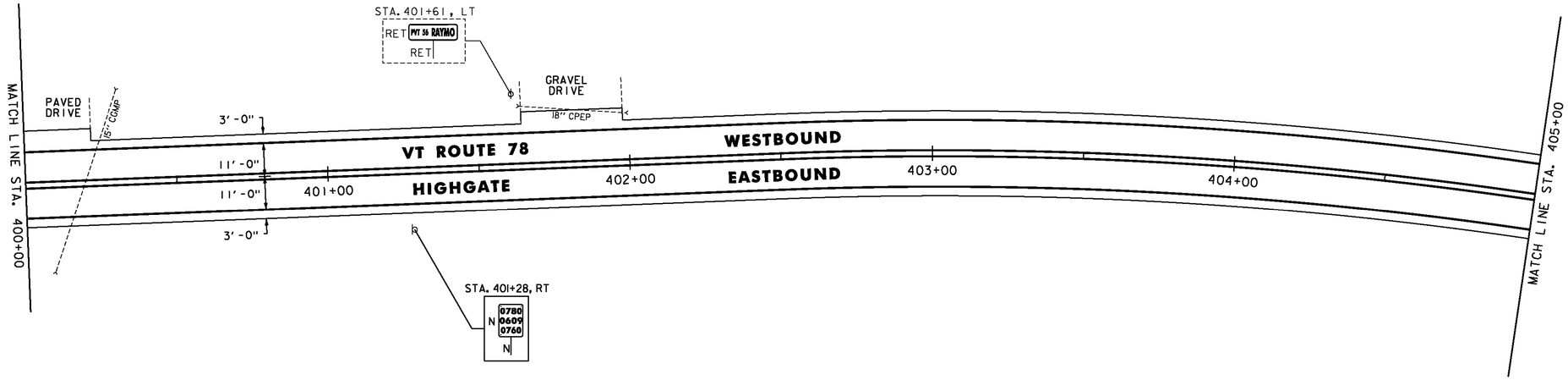
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY

MILLED RUMBLE STRIPS
STA. ~~400+00~~ 393+15 TO 405+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 400+00 TO 405+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 400+00 TO 405+00, SOLID LT & RT

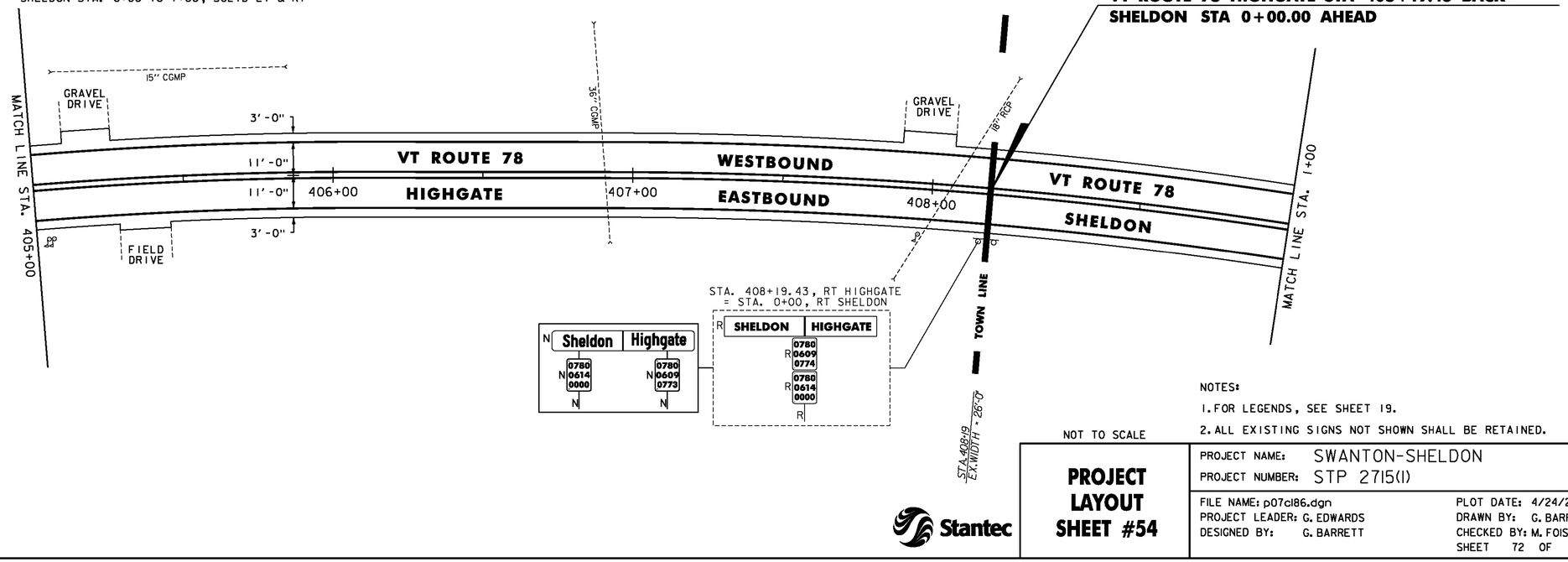


MILLED RUMBLE STRIPS
HIGHGATE STA. 400+00 TO 408+19.43, ℄
SHELDON STA. 0+00 TO 1+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
HIGHGATE STA. 405+00 TO 408+19.43, SOLID LT & RT
SHELDON STA. 0+00 TO 1+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
HIGHGATE STA. 405+00 TO 408+19.43, SOLID LT & RT
SHELDON STA. 0+00 TO 1+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #54

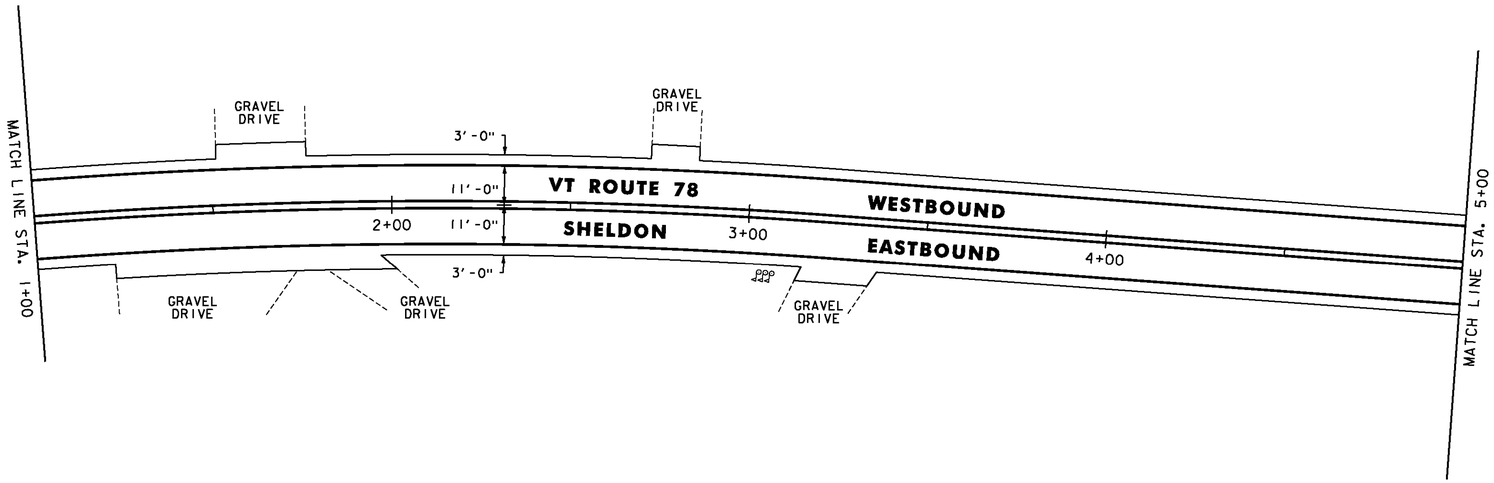
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 72 OF 121

MILLED RUMBLE STRIPS
STA. 1+00 TO ~~5+00~~ 393+15, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 1+00 TO 5+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 1+00 TO 5+00, SOLID LT & RT



MILLED RUMBLE STRIPS
~~STA. 5+00 TO 10+00, ℄~~

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 9+52.5 TO 9+77.5, RT

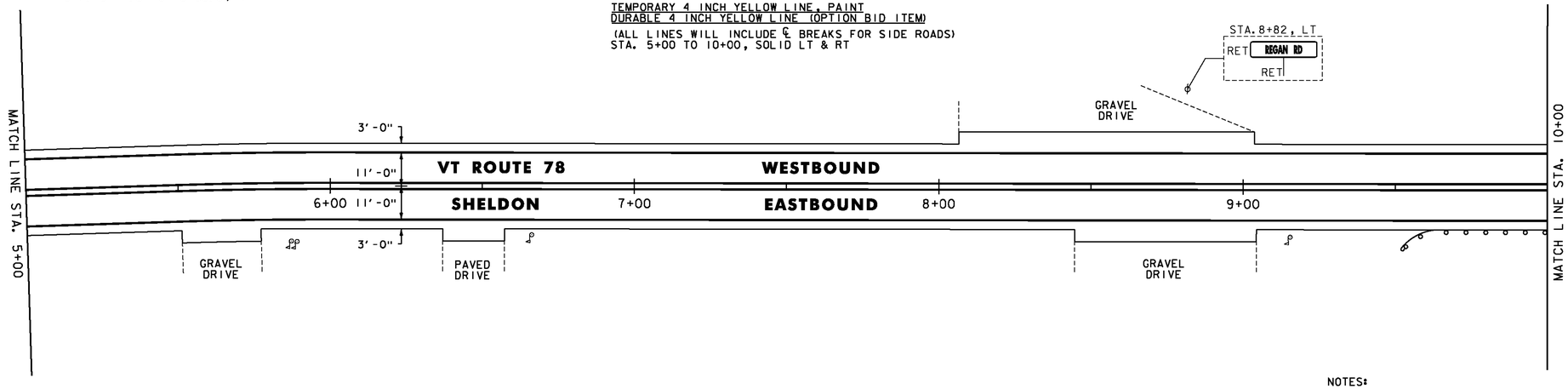
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 9+77.5 TO 10+00.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 9+52.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 9+52.5 TO 10+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 5+00 TO 10+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 5+00 TO 10+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #55

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 73 OF 121

MILLED RUMBLE STRIPS
STA. ~~10+00~~ TO 15+00, ℄
13+57

RELOCATE MAILBOX, SINGLE SUPPORT
STA. 11+37, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 11+77.5 TO 12+02.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 10+00.0 TO 11+77.5, RT

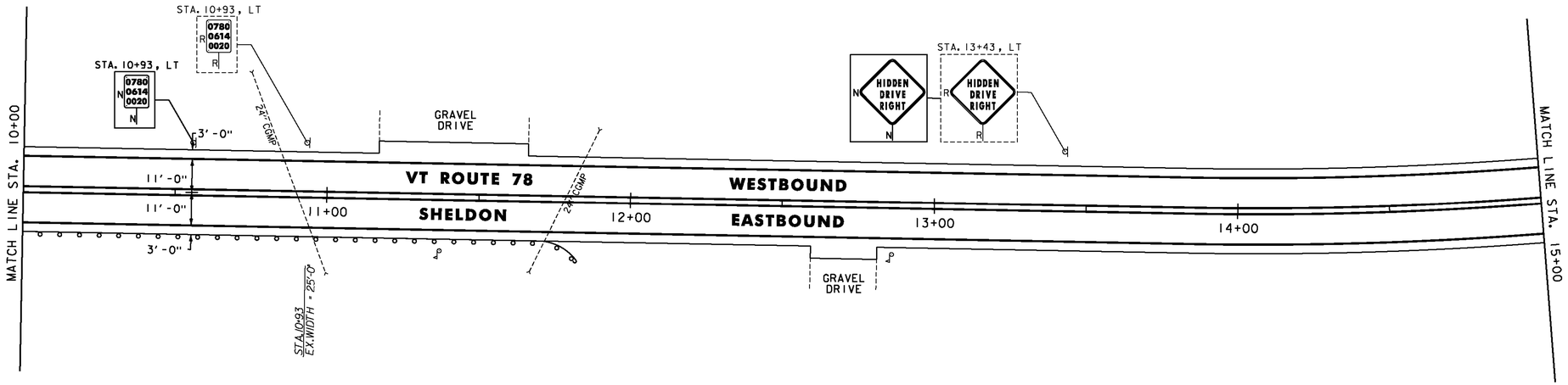
ANCHOR FOR STEEL BEAM RAIL
STA. 12+02.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 10+00 TO 12+02.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 10+00 TO 15+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 10+00 TO 15+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2

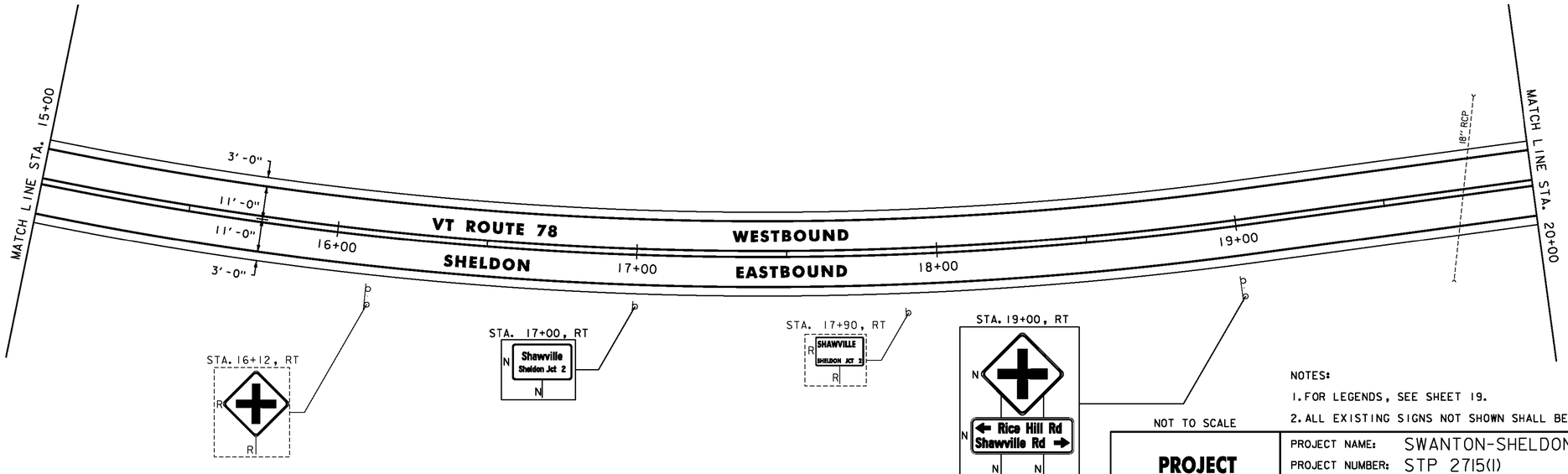


MILLED RUMBLE STRIPS
STA. 15+00 TO ~~20+00~~, ℄
18+43

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 15+00 TO 20+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 15+00 TO 20+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #56

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 74 OF 121

MILLED RUMBLE STRIPS
STA. ~~20+00 TO 21+50~~, ℄
24+02 25+00

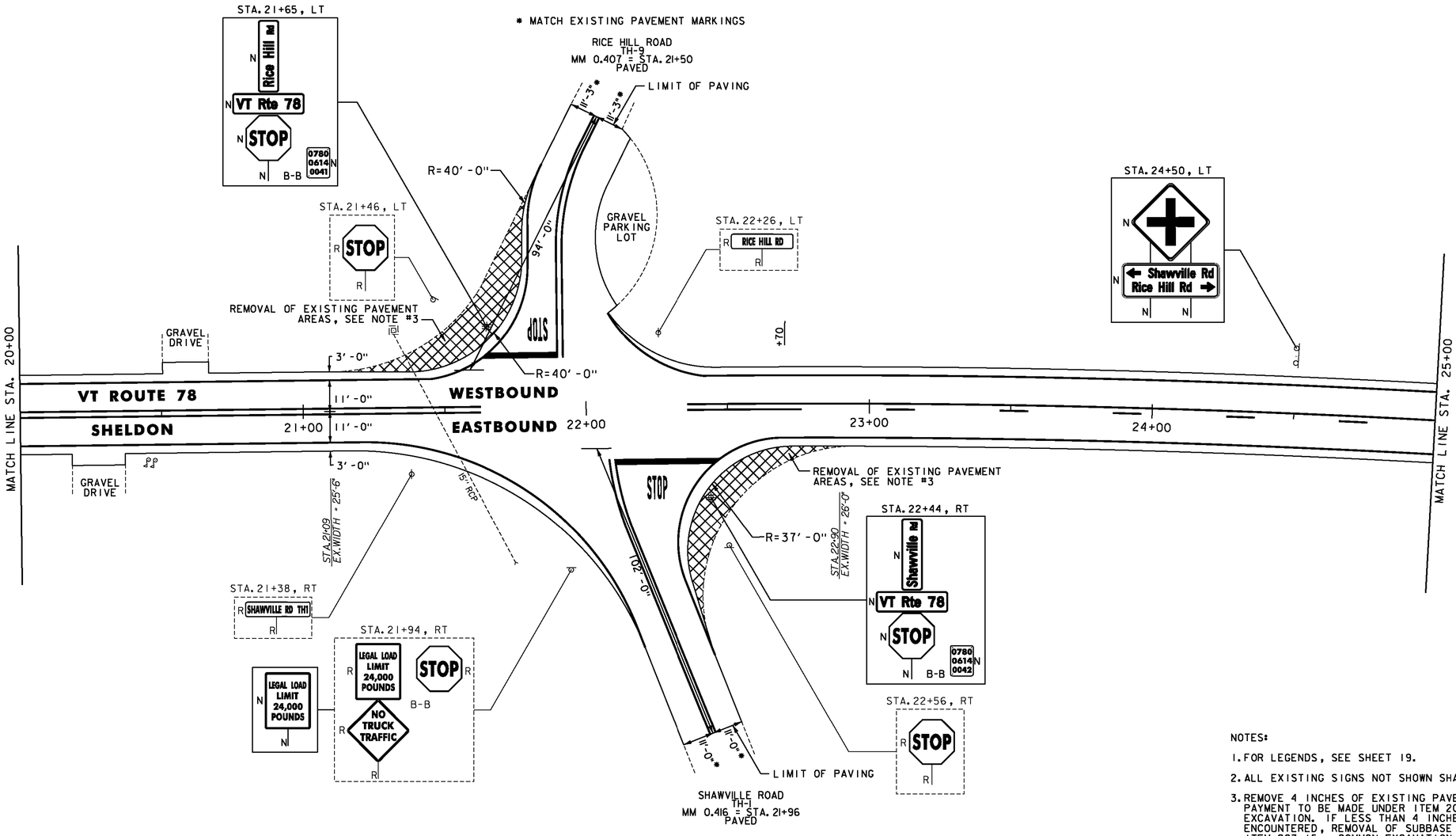
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 20+00 TO 25+00, SOLID LT & RT
STA. 21+50, SOLID LT (EDGELINES, RICE HILL ROAD, TH-9)
STA. 21+96, SOLID RT (EDGELINES, SHAWVILLE ROAD, TH-1)

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 20+00 TO 22+70, SOLID LT & RT
STA. 22+70 TO 25+00, SOLID LT, DASHED RT
STA. 21+50, DOUBLE SOLID LT (RICE HILL ROAD, TH-9)
STA. 21+96, DOUBLE SOLID RT (SHAWVILLE ROAD, TH-1)

TEMPORARY 24 INCH STOP BAR, PAINT
DURABLE 24 INCH STOP BAR (OPTION BID ITEM)
STA. 21+50, LT (RICE HILL ROAD, TH-9)
STA. 21+96, RT (SHAWVILLE ROAD, TH-1)

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 21+50, LT "STOP" (RICE HILL ROAD, TH-9)
STA. 21+96, RT "STOP" (SHAWVILLE ROAD, TH-1)

REMOVING SIGNS
AS SHOWN - 7



NOTES:

1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. REMOVE 4 INCHES OF EXISTING PAVEMENT AS SHOWN. PAYMENT TO BE MADE UNDER ITEM 203.15 - COMMON EXCAVATION. IF LESS THAN 4 INCHES OF PAVEMENT IS ENCOUNTERED, REMOVAL OF SUBBASE SHALL BE PAID UNDER ITEM 203.15 - COMMON EXCAVATION. REPLACE WITH 4 INCHES OF ITEM 651.35 - TOPSOIL, 651.15 - SEED, 651.18 - FERTILIZER, 651.20 - AGRICULTURAL LIMESTONE AND 653.20 - TEMPORARY EROSION MATTING. ESTIMATED QUANTITIES OF THE INDICATED ITEMS HAVE BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #57

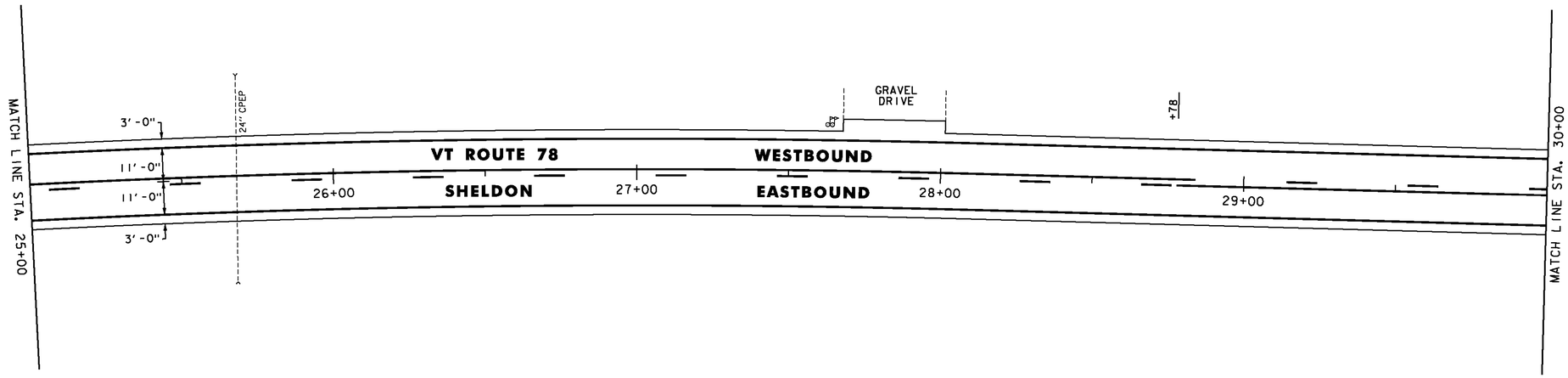
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 75 OF 121

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 25+00 TO 30+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 25+00 TO 28+78, SOLID LT, DASHED RT
STA. 28+78 TO 30+00, DASHED LT, SOLID RT

MILLED RUMBLE STRIPS
STA. 25+00 TO 30+00 CL



STEEL BEAM GUARDRAIL, GALVANIZED
STA. 31+21.0 TO 31+58.5, LT
STA. 31+21.0 TO 31+58.5, RT
STA. 31+83.5 TO 32+33.5, LT
STA. 31+83.5 TO 32+33.5, RT

HD STEEL BEAM GUARDRAIL, GALVANIZED / NESTED
STA. 31+58.5 TO 31+83.5, LT
STA. 31+58.5 TO 31+83.5, RT

MILLED RUMBLE STRIPS
STA. 30+00 TO 35+00 CL

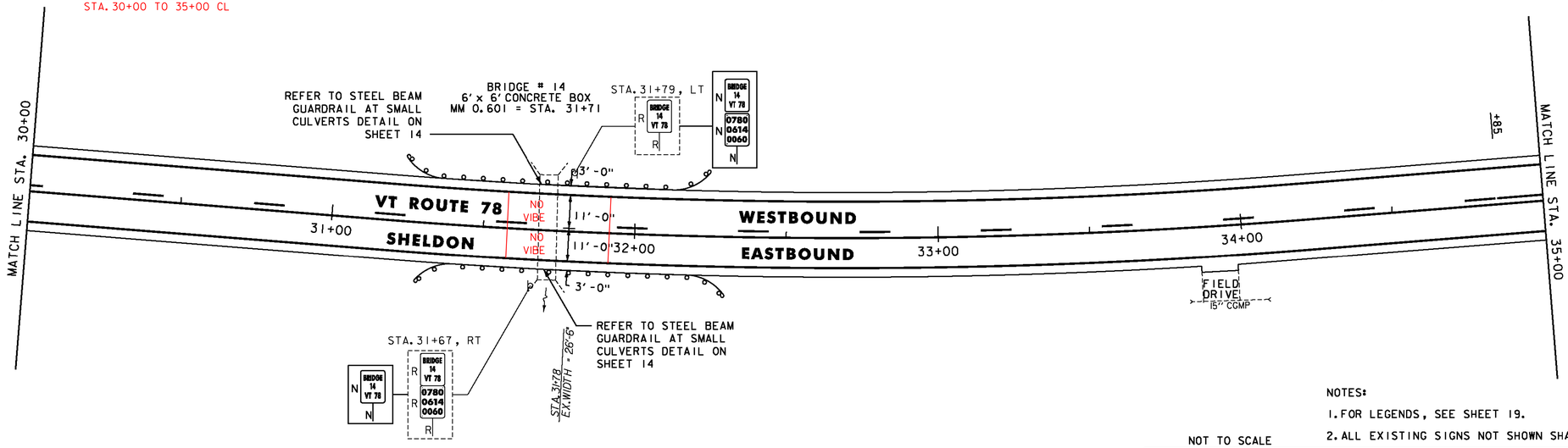
ANCHOR FOR STEEL BEAM RAIL
STA. 31+21.0, LT
STA. 31+21.0, RT
STA. 32+33.5, LT
STA. 32+33.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 31+25.5 TO 32+25.5, LT
STA. 31+26.5 TO 32+26.5, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 30+00 TO 35+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 30+00 TO 34+85, DASHED LT, SOLID RT
STA. 34+85 TO 35+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #58

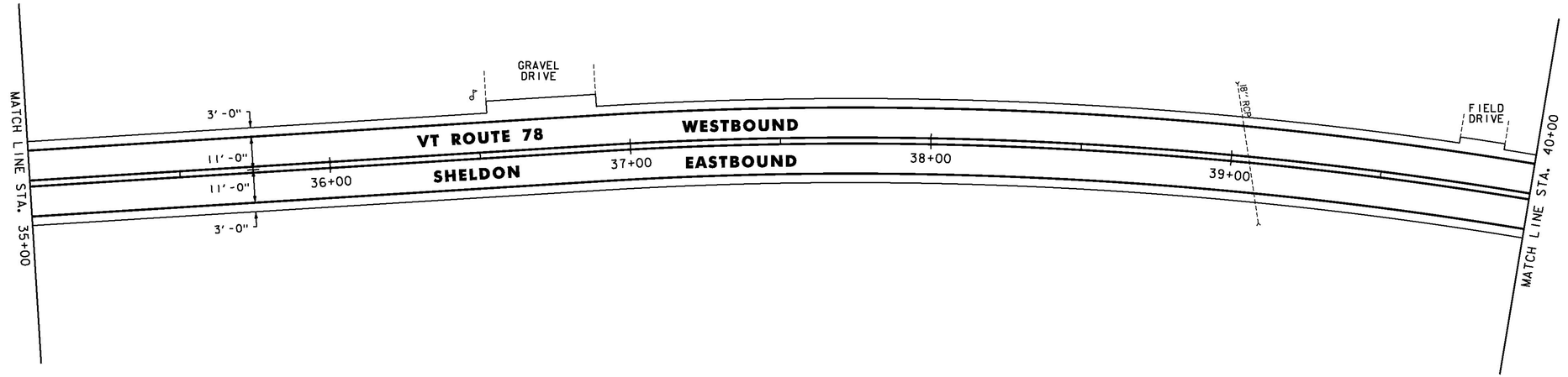
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 76 OF 121

MILLED RUMBLE STRIPS
STA. 35+00 TO 40+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 35+00 TO 40+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 35+00 TO 40+00, SOLID LT & RT

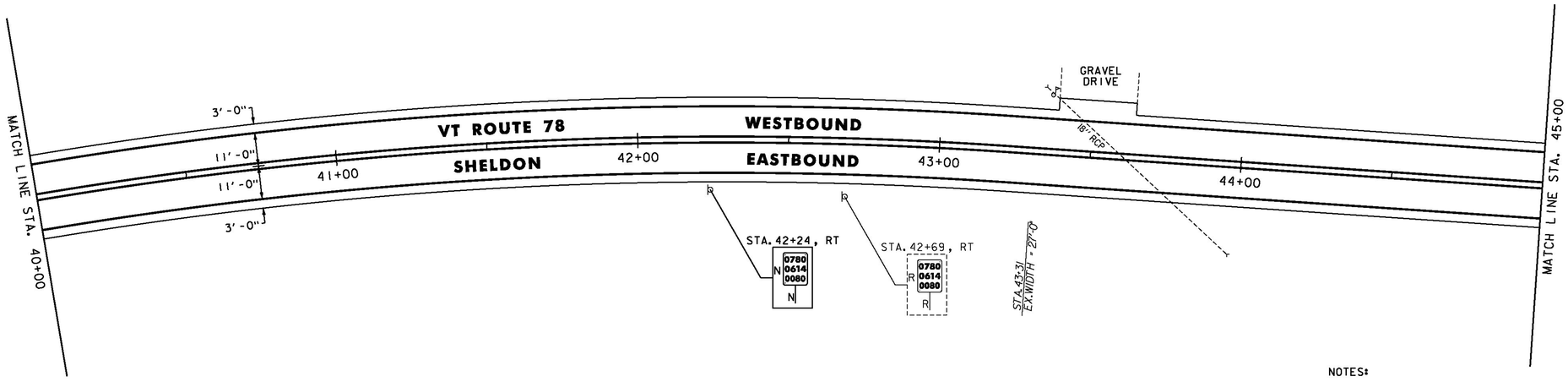


MILLED RUMBLE STRIPS
STA. 40+00 TO 45+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 40+00 TO 45+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 40+00 TO 45+00, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #59

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07cl86.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 77 OF 121

MILLED RUMBLE STRIPS
STA. 45+00 TO ~~50+00~~ 49+10, ℄

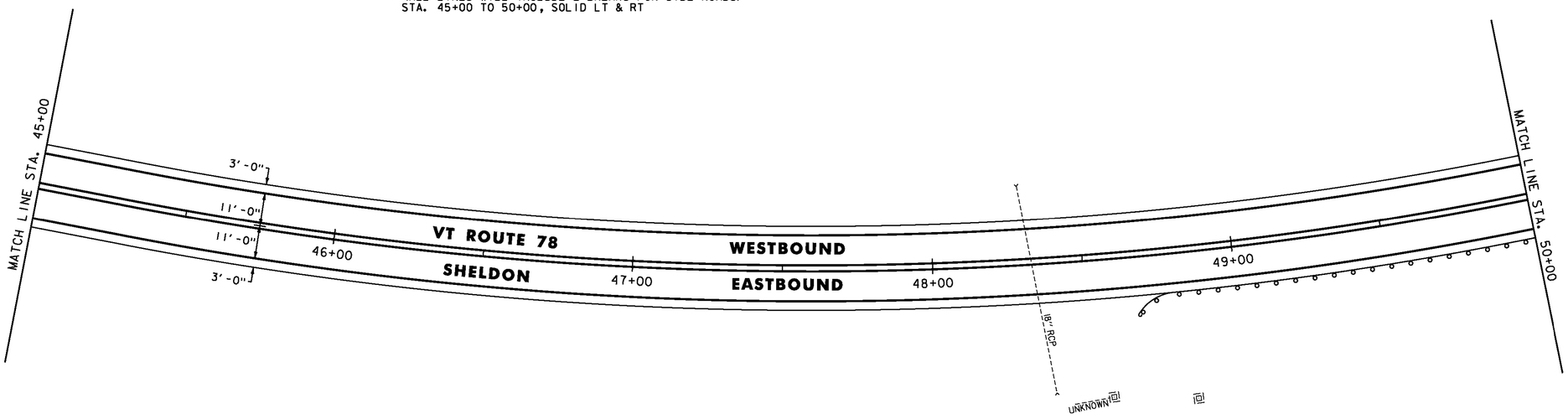
STEEL BEAM GUARDRAIL, GALVANIZED
STA. 48+68.0 TO 50+00.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 48+68.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 48+68 TO 50+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 45+00 TO 50+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 45+00 TO 50+00, SOLID LT & RT



MILLED RUMBLE STRIPS
~~STA. 50+00 TO 55+00, ℄~~

STONE FILL, TYPE I
STA. 51+39 TO 51+45, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 50+00.0 TO 51+18.0, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 51+18.0 TO 55+00.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 50+00 TO 55+00, RT

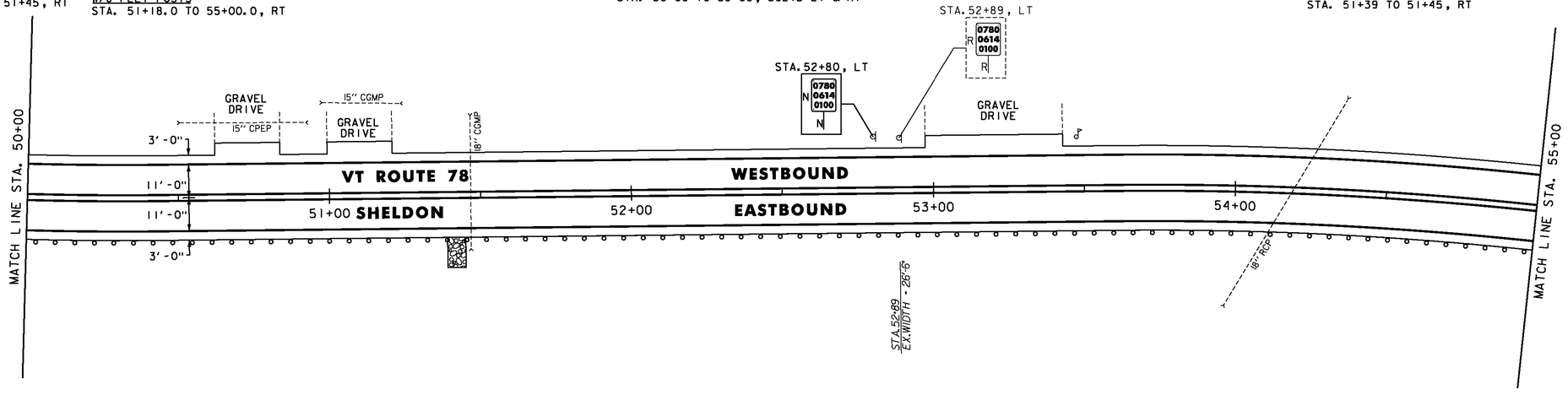
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 50+00 TO 55+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 50+00 TO 55+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 51+39 TO 51+45, RT

GRUBBING MATERIAL
STA. 51+39 TO 51+45, RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #60

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 78 OF 121

MILLED RUMBLE STRIPS
~~STA. 55+00 TO 60+00, ℄~~

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 56+68.0 TO 56+93.0, RT

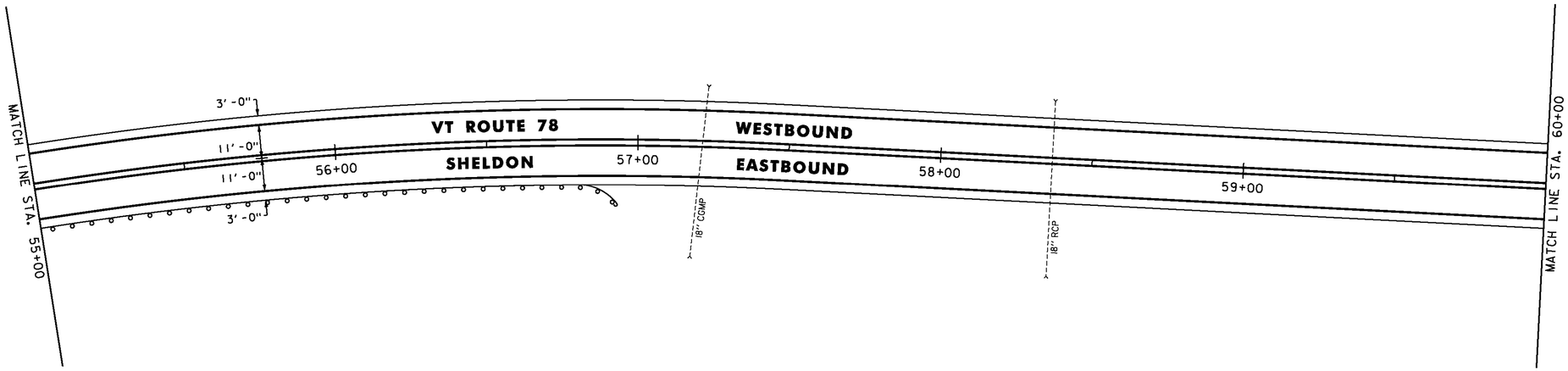
STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 55+00 TO 56+68.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 56+93.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 55+00 TO 56+93.0, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 55+00 TO 60+00, SOLID LT & RT

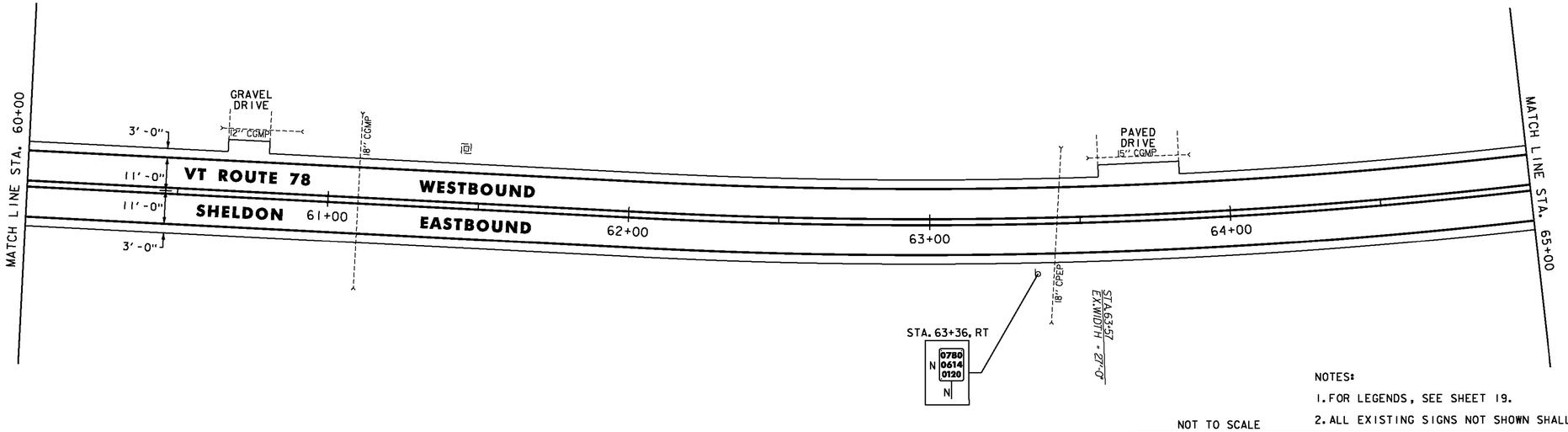
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 55+00 TO 60+00, SOLID LT & RT



MILLED RUMBLE STRIPS
STA. ~~60+00~~ 61+30 TO 65+00, ℄

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 60+00 TO 65+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 60+00 TO 65+00, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #61

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 79 OF 121

MILLED RUMBLE STRIPS
STA. ~~65+00~~ TO 70+00, ℄

STONE FILL, TYPE I
STA. 69+69 TO 69+75, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 69+12.5 TO 69+37.5, RT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 69+37.5 TO 70+00.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 69+12.5, RT

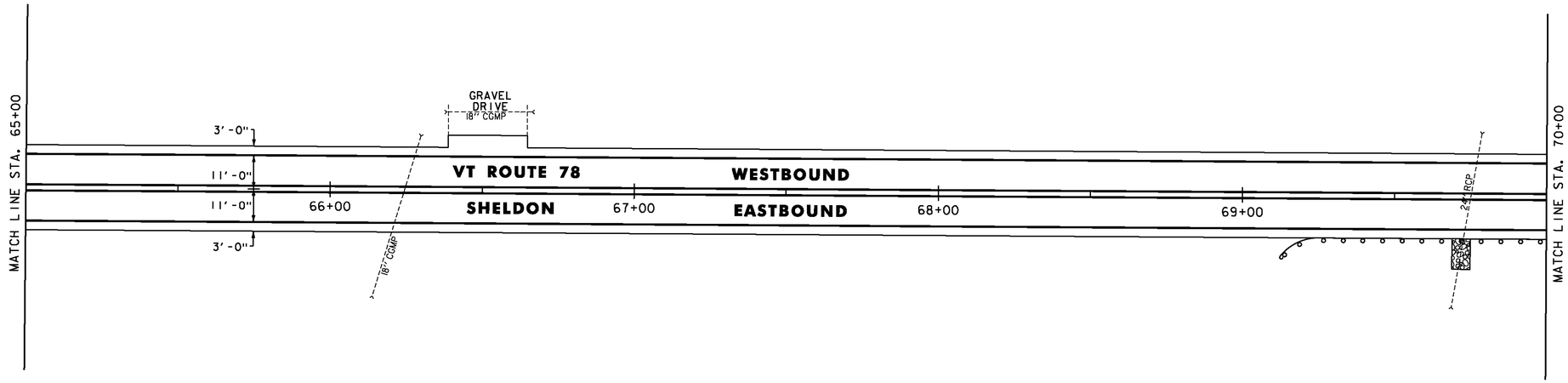
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 69+12.5 TO 70+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 65+00 TO 70+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 65+00 TO 70+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 69+69 TO 69+75, RT

GRUBBING MATERIAL
STA. 69+69 TO 69+75, RT



MILLED RUMBLE STRIPS
STA. ~~70+00~~ 61+30 TO 75+00, ℄

STONE FILL, TYPE I
STA. 70+37 TO 70+82, RT
STA. 71+62 TO 71+68, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 70+77.5 TO 71+02.5, LT
STA. 72+27.5 TO 72+52.5, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 70+00.0 TO 75+00.0, RT
STA. 71+02.5 TO 72+27.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 70+77.5, LT
STA. 72+52.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 70+00 TO 75+00, RT
STA. 70+77.5 TO 72+52.5, LT

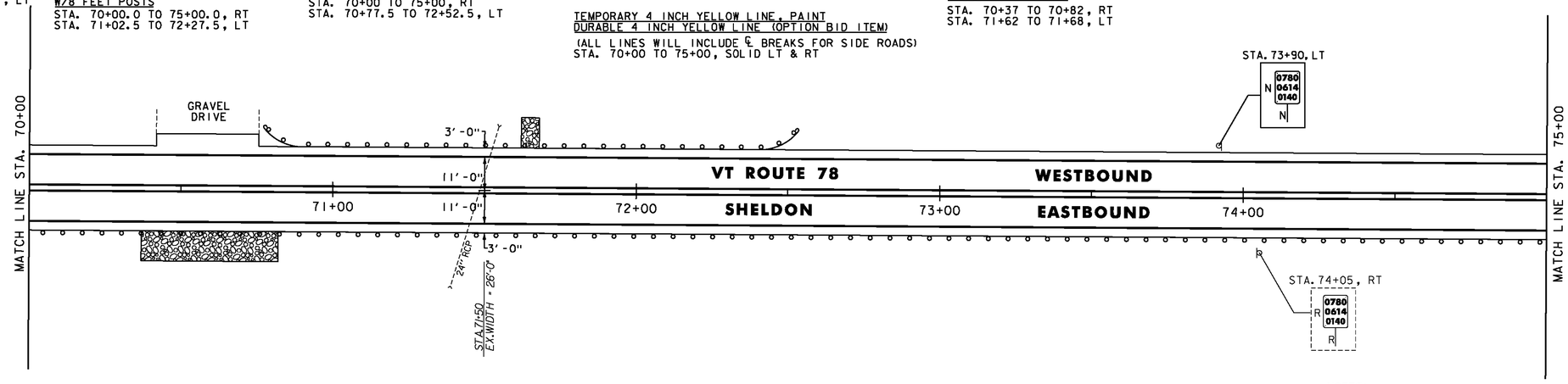
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 70+00 TO 75+00, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 70+00 TO 75+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 70+37 TO 70+82, RT
STA. 71+62 TO 71+68, LT

GRUBBING MATERIAL
STA. 70+37 TO 70+82, RT
STA. 71+62 TO 71+68, LT

REMOVING SIGNS
AS SHOWN - 1



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #62

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 80 OF 121

MILLED RUMBLE STRIPS
STA. 75+00 TO ~~80+00~~ 75+98, ℄

STONE FILL, TYPE I
STA. 76+34 TO 76+40, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 76+11.5 TO 76+36.5, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 75+00.0 TO 80+00.0, RT
STA. 76+36.5 TO ~~80+00.0~~ 80+24.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 76+11.5, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 75+00 TO 80+00, RT
STA. 76+11.5 TO ~~80+00~~ 80+24, LT

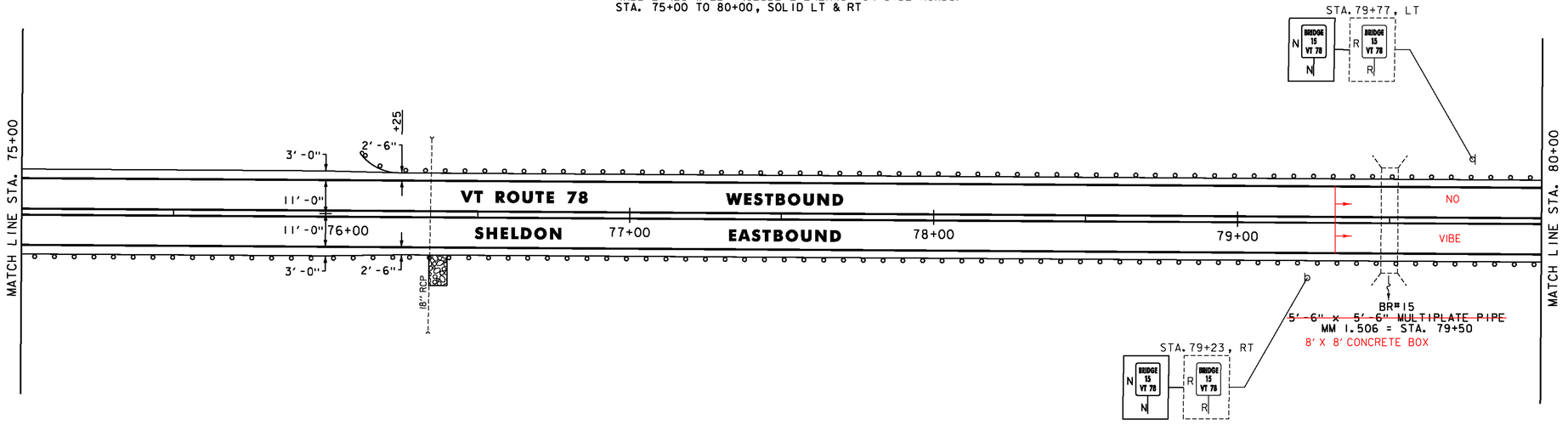
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 75+00 TO 80+00, SOLID LT & RT

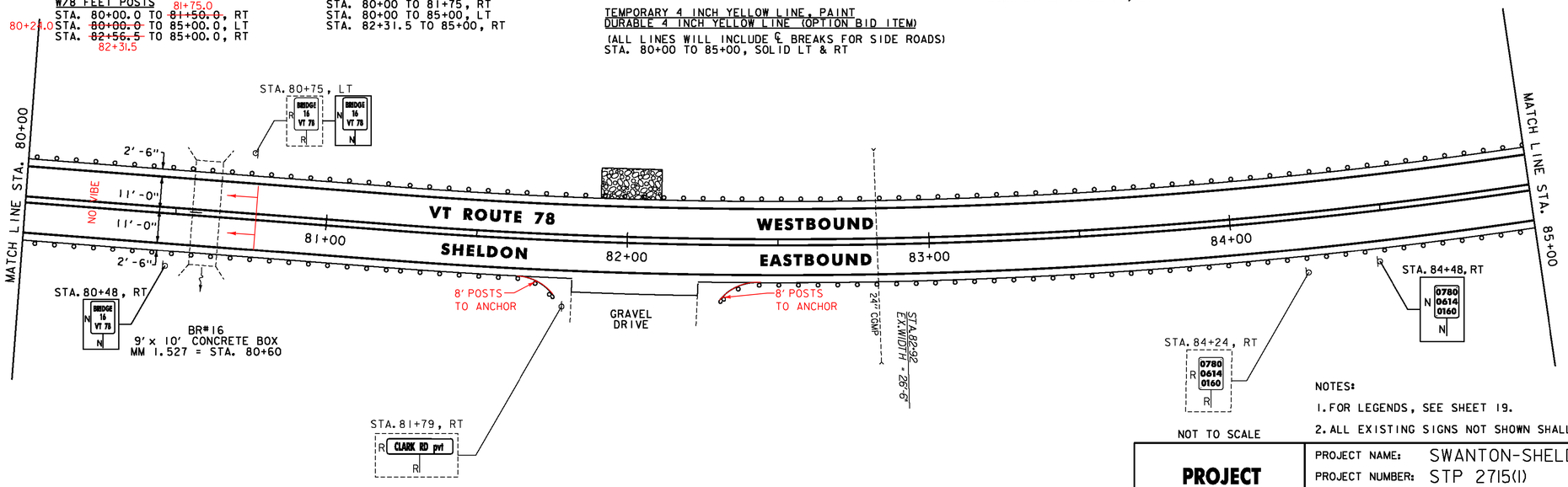
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 75+00 TO 80+00, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 76+34 TO 76+40, RT

GRUBBING MATERIAL
STA. 76+34 TO 76+40, RT

REMOVING SIGNS
AS SHOWN - 2





NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #63

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 81 OF 121

MILLED RUMBLE STRIPS
~~STA. 85+00 TO 90+00, ℄~~

STONE FILL, TYPE I
STA. 88+95 TO 89+20, RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS 90+24.0
STA. 85+00.0 TO ~~90+00.0~~, LT
STA. 85+00.0 TO 90+00.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 85+00 TO 90+00, LT
STA. 85+00 TO 90+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 85+00 TO 90+00, SOLID LT & RT

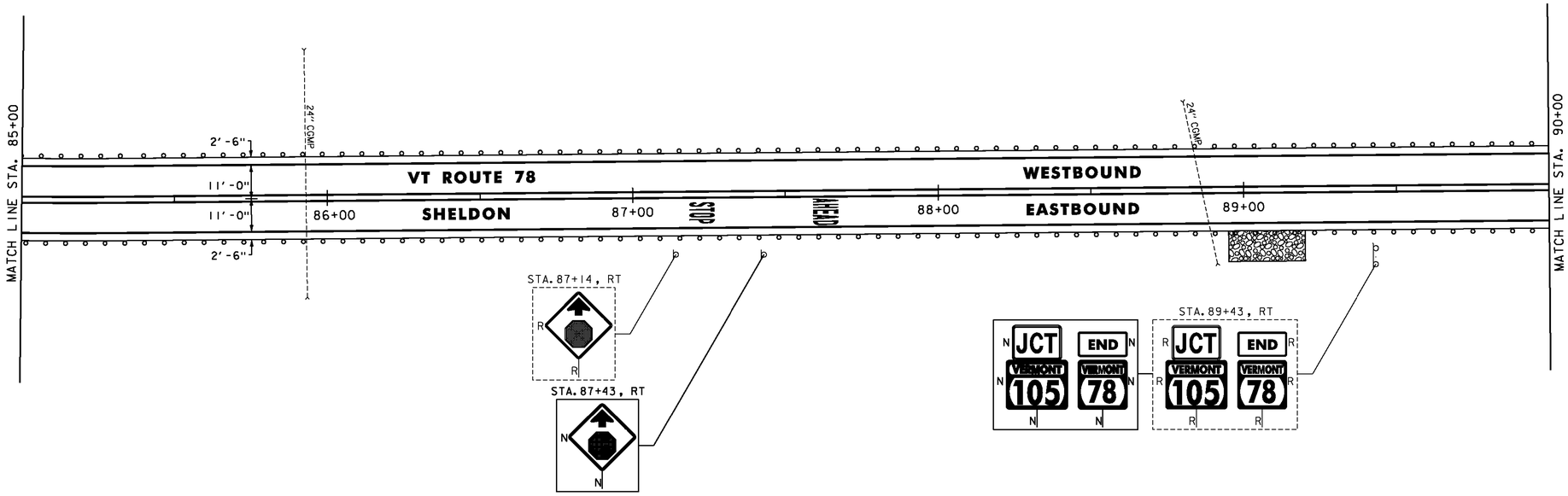
TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 85+00 TO 90+00, SOLID LT & RT

TEMPORARY LETTER OR SYMBOL, PAINT
DURABLE LETTER OR SYMBOL (OPTION BID ITEM)
STA. 87+23, RT "AHEAD"
STA. 87+63, RT "STOP"

GEOTEXTILE UNDER STONE FILL
STA. 88+95 TO 89+20, RT

GRUBBING MATERIAL
STA. 88+95 TO 89+20, RT

REMOVING SIGNS
AS SHOWN - 5



MILLED RUMBLE STRIPS
~~STA. 90+00 TO 93+50, ℄~~

STONE FILL, TYPE I
STA. 91+08 TO 91+14, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 92+19.0 TO 92+44.0, RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
90+24.0 STA. ~~90+00.0~~ TO 93+50.0, LT
STA. 90+00.0 TO 92+19.0, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 92+44.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 90+00 TO 93+50, LT
STA. 90+00 TO 92+44, RT

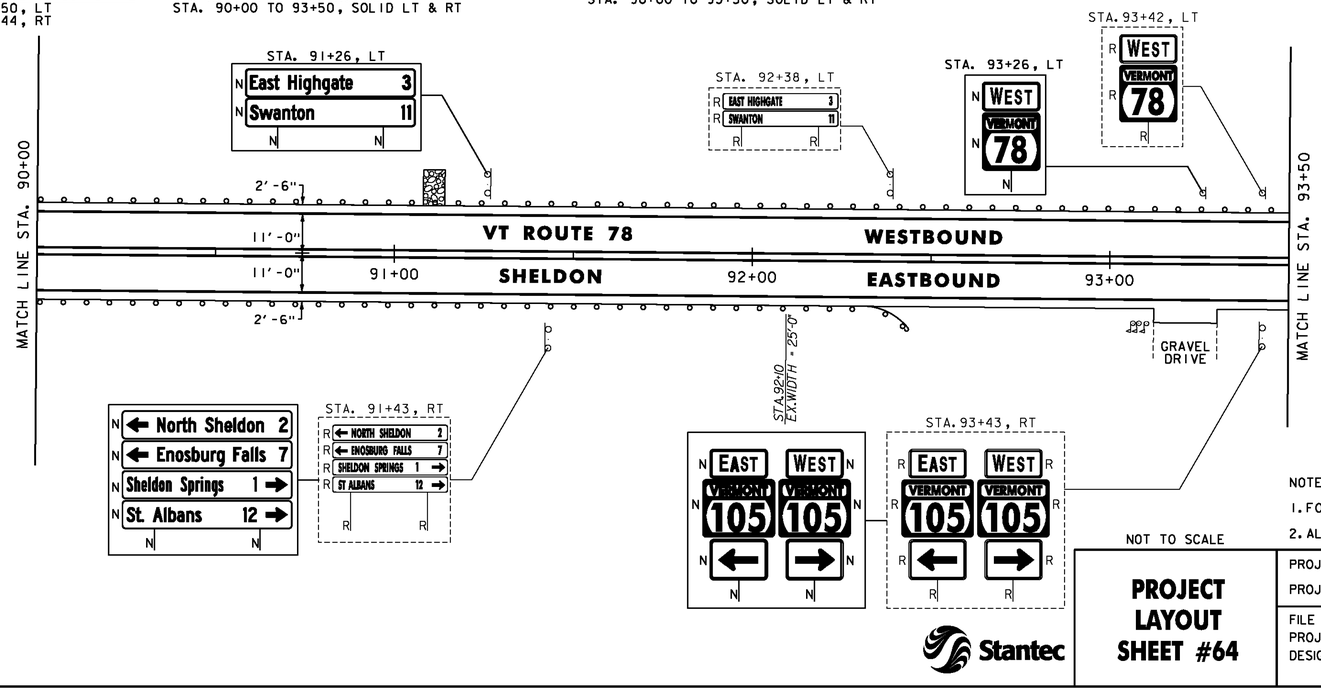
TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 90+00 TO 93+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 90+00 TO 93+50, SOLID LT & RT

GEOTEXTILE UNDER STONE FILL
STA. 91+08 TO 91+14, LT

GRUBBING MATERIAL
STA. 91+08 TO 91+14, LT

REMOVING SIGNS
AS SHOWN - 14



NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #64

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 82 OF 121

MILLED RUMBLE STRIPS
~~STA. 93+50 TO 95+19.84~~

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 94+61.5 TO 94+86.5, LT

STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA. 93+50.0 TO 94+61.5, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 94+86.5, LT

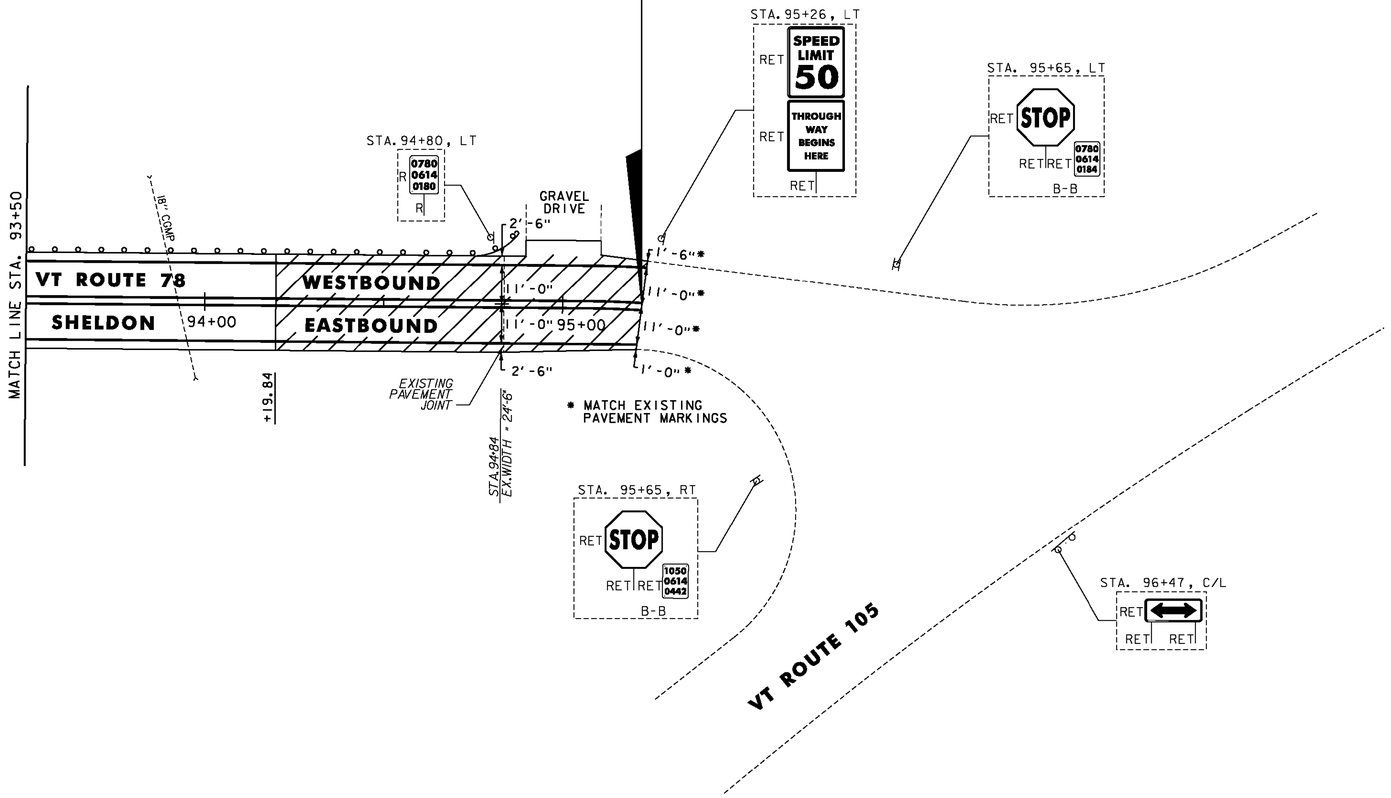
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 93+50 TO 94+86.5, LT

TEMPORARY 4 INCH WHITE LINE, PAINT
DURABLE 4 INCH WHITE LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 93+50 TO 95+19.84, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
DURABLE 4 INCH YELLOW LINE (OPTION BID ITEM)
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 93+50 TO 95+19.84, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1

END STP 2715(1) VT ROUTE 78
SHELDON STA. 95+19.84 = (MM 1.803)



COLD PLANE TRANSITION AREA
(FOR DETAIL, SEE SHEET 3)

NOTES:
1. FOR LEGENDS, SEE SHEET 19.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #65

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 83 OF 121

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	FOUNDATION	TUBULAR STEEL Ø (In) lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL: DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SWANTON VT ROUTE 78																																				
388+74, LT	SPEED LIMIT 30	1	24	30	5.00						1					X 13.75		X															R2-1	X		
389+85, LT	STATE HIGHWAY ENDS	1	24	18	3.00						1					X 14.25		X															VR-038			E-141
		1	24	24	4.00																												R3-2	X		
389+85, RT	STATE HIGHWAY BEGINS / SPEED LIMIT 35	1	24	18	3.00						1					X 14.5		X															VR-039			E-141
		1	24	30	5.00																												R2-1	X		
390+85, LT		1	30	30	6.25						1					X 13.75		X															W11-8	X		
390+94, RT		1	9	15	0.94																												R10-3e MOUNT NEW SIGN ON EXISTING PEDESTRIAN SIGNAL POLE USING NEW MOUNTING HARDWARE (INCIDENTAL TO SIGN)	X		
390+95, LT		1	9	15	0.94																												R10-3e MOUNT NEW SIGN ON EXISTING PEDESTRIAN SIGNAL POLE USING NEW MOUNTING HARDWARE (INCIDENTAL TO SIGN)	X		
391+14, LT		1	9	15	0.94																												R10-3e MOUNT NEW SIGN ON EXISTING PEDESTRIAN SIGNAL POLE USING NEW MOUNTING HARDWARE (INCIDENTAL TO SIGN)	X		
TOTALS					SF 29.07	SF	EA.	SF				FT	FT	FT	FT	FT ~~57~~ 56.25	FT		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 84 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 02

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SWANTON VT ROUTE 78 (CONT.)																																					
391+25, LT	Missisquoi St / ~~VT Rte 78~~ / 0780 0615 0742 / FIRST ST	1	42	12	3.50						1					X			X																D3-1		113	
					•3.00											11.0																						
		1	42	12	3.50																														D3-1		113	
		1	6	10	0.42																														VD-700			E-138
391+77, RT	Robin Hood Dr / ~~VT Rte 78~~ / FIRST ST	1	42	12	3.50						1					X			X																D3-1		113	
					•3.00											10.75																						
		1	42	12	3.50																														D3-1		113	
392+03, LT		1	9	15	0.94																														R10-3e MOUNT NEW SIGN ON EXISTING PEDESTRIAN SIGNAL POLE USING NEW MOUNTING HARDWARE (INCIDENTAL TO SIGN)	X		
392+10, RT	NO PARKING ON TRAVELED LANE	1	24	30	5.00						1					X			X																VR-020			E-146
																12.5																						
393+18, RT	NO PARKING ON TRAVELED LANE	1	24	30	5.00						1					X			X																VR-020			E-146
																15.25																						
393+96, LT	ONLY ONLY	1	48	30	10.00						2					X			X																VR-932			E-145B
																13.5																						
																13.5																						
395+02, RT	NO PARKING ON TRAVELED LANE	1	24	30	5.00						1					X			X																VR-020			E-146
																15.0																						
395+08, LT	PARK & RIDE 1-800-463-1844						1				1							X	X																D4-2 "1-800" SIGN IS TO BE INSTALLED BELOW THE "PARK & RIDE" SIGN USING VTRANS STANDARD T-45, MOUNTED ON A NEW POST	X		
							1											14.25																				
TOTALS					SF 40.36	SF	EA. 2	SF				FT	FT	FT	FT	FT ~~103~~ 91.5	FT ~~16~~ 14.25		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB							

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 03

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (In) FOUND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SWANTON VT ROUTE 78 (CONT.)																																				
396+08, LT		1	30	30	6.25						1					X 15.25		X																W3-3	X		
398+00, LT		1	30	18	3.75						1					X 13.0		X																VD-018		117	
399+00, LT		1 1	24 24	12 24	2.00 4.00						1					X 13.25		X																M3-4 (GREEN ON WHITE) (GREEN ON WHITE)	X		E-136B
399+62, LT							1 1 1				1					X 14.5		X																R5-1 SALVAGED SIGN R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1 R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1			
400+39, LT							1 1 1				1					X 14.25		X																R5-1 SALVAGED SIGN R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1 R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1			
400+83, LT		1 1 1	24 24 21	12 24 15	2.00 4.00 2.19				2																								M3-3 (WHITE ON BLUE) M1-1 MOUNT THESE THREE SIGNS TO THE LEFT OF THE EXISTING SIGNS ON EXISTING POSTS AND EXISTING SIGN FRAME. M6-1 (WHITE ON BLUE)	X X X		E-145A E-145A
401+89, LT		1	30	30	6.25						1					X 13.25		X																VR-921			
403+35, RT		1	30	30	6.25						1					X 12.75		X																VR-921			
404+95, RT							1 1 1				1					X 14.5		X																R5-1 SALVAGED SIGN R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1 R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1			
												FT	FT	FT	FT	FT 119	FT		EA	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 36.69	SF	EA. 9	SF				FT			FT ~~119~~ 110.75					LB			EA.	LB				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #3

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC

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	EXIST POST 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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SWANTON VT ROUTE 78 (CONT.)																																				
405+44, RT	STOP	1	30	30	6.25				1																								RI-1 MOUNT NEW STOP SIGN ON EXISTING POST.	X		
405+59, RT	DO NOT ENTER / ONE WAY / ONE WAY						1 1 1				1					X 14.5		X															R5-1 SALVAGED SIGN R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1 R6-1 MOUNT SALVAGED SIGN 90 DEGREES TO SALVAGED SIGN R5-1			
406+75, LT	Frontage Rd / FIRST ST. / ~~VT Rte 78~~ / STOP / 0780 0615 0771 B-B	1 1 1 1	42 42 30 6	12 12 30 10	3.50 •3.00 3.50 6.25 0.42						1						X 14.0	X														D3-1 D3-1 RI-1 VD-700	X	113 113	E-138
411+13, RT	SPEED LIMIT 35	1	24	30	5.00						1					X 14.5		X															R2-1	X		
414+56, LT	SPEED LIMIT 35	1	24	30	5.00						1					X 13.0		X															R2-1	X		
416+13, RT	0780 0615 0788	1	6	10	0.42																												VD-700 MOUNT BACK TO BACK AND BELOW EXISTING STOP SIGN			E-138
418+52, RT	SCHOOL	1 1	36 24	36 8	9.00 0.67						2						14.5 X 14.25	X															SI-1 (FLUORESCENT YELLOW-GREEN) S4-3P (FLUORESCENT YELLOW-GREEN)	X X		
421+42, LT	PASS WITH CARE / NO PASSING ZONE B-B	1 1	24 48 X 48 X 36	30 5.56	5.00						2					15.5 X 15.75		X															R4-2 W14-3	X X		
421+42, RT	DO NOT PASS	1	24	30	5.00						1					14.75 X		X															R4-1	X		
423+42, LT	TRUCK CROSSING / 0780 0615 0800	1 1	36 6	36 10	9.00 0.42						2					X 14.0 14.0		X															W8-6 VD-700	X		E-138
423+75, RT	← Missisquoi Valley Union High School	1	72	20	10.02						2					12.5 X 12.75		X															VDI-1		117	
												FT	FT	FT	FT	FT 148	FT 48		EA	LB	LB	LB		LB	LB	LB	LB									
TOTALS			SF 75.01	SF	EA. 3	SF						FT				FT ~~196~~ 184				LB			EA.	LB				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #4

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 87 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 05

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (In) FOUNDATION	3.0 lb/ft 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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SWANTON VT ROUTE 78 (CONT.)																																				
425+45, RT	SPEED LIMIT 30	1	24	30	5.00						1						X 15.5	X															R2-1	X		
	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00																											VR-017			E-141
425+72, RT	Torrie Dr / FIRST ST.	1	42	12	3.50 •3.00						1						X 13.75	X															D3-1		113	
	VT Rte 78	1	42	12	3.50																											D3-1		113	
	STOP 0780 0615 0806 B-B	1	30	30	6.25																											RI-1	X		
		1	6	10	0.42																											VD-700			E-138
425+82, LT	STOP	1	30	30	6.25						1					X 13.25		X														RI-1	X		
426+47, LT	DO NOT ENTER	1	30	30	6.25																											R5-1	X		
	ONE WAY / ONE WAY	1	36	12	3.00						1					X 14.0		X														R6-1 INSTALL 90 DEGREES TO SIGN R5-1	X		
		1	36	12	3.00																											R6-1 INSTALL 90 DEGREES TO SIGN R5-1	X		
429+48, LT	SPEED LIMIT 35	1	30	36	7.50						1												1	14•7.6= X								R2-1	X		
	DO NOT PASS	1	24	30	5.00																			110.2 lb								R4-1	X		
429+48, RT	SPEED LIMIT 50 / NO PASSING ZONE B-B	1	24	30	5.00						2					16' X 15.75		X														R2-1	X		
		1	48 X 48 X 36		5.56																											W14-3	X		
429+58.08, RT	Highgate 0780 0609 0000 / Swanton 0780 0615 0814	1	72	10	5.00						2					14.5 X 14.75		X														VD-024		119	
		1	6	10	0.42																											VD-700			E-138
		1	6	10	0.42																											VD-700			E-138
												FT	FT	FT	FT	FT 88	FT 31		EA	LB	LB	LB		LB 84	LB	LB	LB									
	TOTALS				SF 71.07	SF	EA.	SF				FT			FT		FT 119 117.5			LB			EA. 1	LB 84				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #5

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 88 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 06

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78																																				
2+00, LT	Missisquoi Valley Union High School →	1	72	20	10.02						2					11.0 X 13.5		X																VDI-1		117	
4+75, LT	SCHOOL	1	36	36	9.00						2					14.75	X	X																SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	24	8	0.67											15																	S4-3P (FLUORESCENT YELLOW-GREEN)	X		
7+39, LT	SPEED LIMIT 35	1	36	36	9.00						2					X 15 15		X																W3-5	X		
10+56, RT	0780 0609 0020	1	6	10	0.42						1				7.5 X			X																VD-700			E-138
21+12, LT	0780 0609 0040	1	6	10	0.42						1				7.75 X			X																VD-700			E-138
27+35, LT	Airport Rd / VT Rte 78 / STOP / B-B / 0780 0609 0053	1	42	12	3.50						1						X	X																D3-1		113	
		1	42	12	3.50												X	X																D3-1		113	
		1	30	30	6.25												13.25																	RI-1	X		
		1	6	10	0.42																													VD-700			E-138
28+00, LT	LEGAL LOAD LIMIT 12,000 POUNDS	1	24	30	5.00						1				13.0	X		X																VR-017			E-141
31+68, LT	0780 0609 0060	1	6	10	0.42						1				7.25 X			X																VD-700			E-138
42+24, LT	0780 0609 0080	1	6	10	0.42						1				X 8.5			X																VD-700			E-138
52+80, RT	0780 0609 0100	1	6	10	0.42						1				7.5 X			X																VD-700			E-138
												FT	FT	FT	FT 50	FT 75	FT 48		EA	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 49.46	SF	EA.	SF				FT			FT ~~173~~ 149					LB			EA.	LB				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #6

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 07

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (In) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
61+78, RT	WATCH FOR TURNING VEHICLES	1	36	36	9.00						2					15.25 15.75 X		X															VW-205			E-154
62+57, LT	TRUCK CROSSING	1	36	36	9.00						2					14.75 X 15.25		X															W8-6	X		
63+36, LT	0780 0609 0120	1	6	10	0.42						1				X 7.75			X															VD-700			E-138
68+65, RT	BRIDGE 9 VT 78	1	6	10	0.42						1				7.75 X			X															VD-701		112	
68+81, LT	BRIDGE 9 VT 78	1	6	10	0.42						1				7.75 X			X															VD-701		112	
73+92, RT	0780 0609 0140	1	6	10	0.42						1				7.75 X			X															VD-700			E-138
78+42, LT	HIDDEN DRIVES RIGHT	1	30	30	6.25						1					15.5 X		X															VW-054			E-154
82+10, LT		1	36	36	9.00						2					15.25 X 16.0		X															S3-1 (FLUORESCENT YELLOW-GREEN)	X		
82+67, RT	Thornton Rd 0780 0609 0160	1	6	10	0.42		1				1					X 13.75		X															MOUNT SALVAGED SIGN ON NEW POST VD-700			E-138
90+15, LT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1					X 11.5		X															VW-054			E-154
												FT	FT	FT	FT 44	FT 134	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 41.60	SF	EA. 1	SF				FT			FT ~~178~~ 163.25					LB			EA.	LB				EA.	EA.	LB					

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #7

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 90 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 08

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	EXIST POST 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	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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
95+04, RT	0780 0609 0180	1	6	10	0.42						1				8.67 X			X															VD-700			E-138
104+79, RT	PROHIBITED DUMPING HOUSEHOLD GARBAGE, ALL TRASH OR OTHER SOLID WASTE OR LIQUID CONTAINED PENALTIES UP TO $10,000 OR IMPRISONMENT FOR NOT MORE THAN 10 YEARS OR BOTH 10 V.S.A. SEC. 1010	1	24	36	6.00						1					X 13.5		X															VR-278			E-144
105+60, LT	0780 0609 0200	1	6	10	0.42						1				X 7			X															VD-700			E-138
113+80, RT		1	36	36	9.00																												W1-10c	X		
	Carter Hill Rd	1	30	8	1.68						2						X 15.75	X															W16-8P		118	
	XX M.P.H.	1	24	24	4.00												15.75																W13-1P	X		
115+20, RT	HIDDEN DRIVES RIGHT	1	30	30	6.25						1					X 15.5		X															VW-054			E-154
116+16, RT	0780 0609 0220	1	6	10	0.42						1				X 8.5			X															VD-700			E-138
117+20, LT		1	48	24	8.00						2					14 X 12.75		X															W1-6	X		
121+17, LT	WEST VERMONT 78	1	24	12	2.00						1					X 13		X															M3-4 (GREEN ON WHITE)	X		
		1	24	24	4.00																												(GREEN ON WHITE)			E-136B
122+50, RT	Highgate Springs	1	72	12	6.00						2					14.0 X 14.75		X															VD1-1		114	
TOTALS					SF 48.19	SF	EA.	SF				FT	FT	FT	FT 30	FT 110	FT 42 182 153.17	EA	EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #8

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 91 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 09

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (In) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
122+67, LT	Carter Hill Rd / VT Rte 78 / STOP / 0780 0609 0235 B-B	1	42	12	3.50						1					X		X															D3-1		113	
		1	42	12	3.50																												D3-1		113	
		1	30	30	6.25											13.25																	RI-1	X		
		1	6	10	0.42																												VD-700			E-138
122+82, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					14.25 X		X															VR-017			E-141
124+04, LT	Highgate Springs →	1	72	12	6.00						2					11.25 X 11.25		X															VD1-1		114	
125+68, LT	←	1	48	24	8.00						2					16 X 14.25		X															W1-6	X		
125+72, RT	BRIDGE 10 VT 78	1	6	10	0.42						1				X 7.5			X															VD-701		112	
125+94, LT	BRIDGE 10 VT 78	1	6	10	0.42						1				8.5 X			X															VD-701		112	
126+72, RT	0780 0609 0240	1	6	10	0.42						1				7.5 X			X															VD-700			E-138
127+90, LT	HIDDEN DRIVE LEFT	1	30	30	6.25						1					X 15.25		X															VW-133			E-154
129+90, LT	Carter Hill Rd / XX M.P.H.	1	36	36	9.00						2						X 16.25 16.25	X															W1-10b	X		
		1	30	8	1.68																												W16-8P		118	
		1	24	24	4.00																												W13-1P	X		
												FT	FT	FT	FT 34	FT 111	FT 38		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 54.86	SF	EA.	SF				FT			FT 183 151.5					LB			EA.	LB				EA.	EA.	LB					

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #9

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 92 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 10

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	EXIST POST 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) FOUNDATION	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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
134+10, RT	TRAIL CROSSING	1	30	30	6.25						1						X 14	X																WII-15a	X		
		1	24	12	2.00																													WI6-7P	X		
134+85, LT	TRAIL CROSSING	1	30	30	6.25						1						X 13.5	X																WII-15a	X		
		1	24	12	2.00																													WI6-7P	X		
137+28, LT	0780 0609 0260	1	6	10	0.42						1				X 7.5			X																VD-700			E-138
141+05, RT	SPEED LIMIT 35	1	36	36	9.00						2					X 16.25 17.5		X																W3-5	X		
143+28, RT	Highgate Center E. Highgate 8	1	30	18	3.75						1					X 13		X																VD-018		117	
145+46, RT	JCT VERMONT 207	1	21	15	2.00						1					X 13.75		X																M2-1 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
147+84, RT	0780 0609 0280	1	6	10	0.42						1				X 7.5			X																VD-700			E-138
150+10, LT	WEST VERMONT 78	1	24	12	2.00						1					X 13.75		X																M3-4 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
150+14, RT	St. Albans 9	1	72	12	6.00						2					X 12 12		X																VDI-1a		114	
					SF	SF	EA.	SF				FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB									
															20	104	34																			
TOTALS					49.09							FT			FT					LB			EA.	LB				EA.	EA.	LB					
															158 140.75																					

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #10

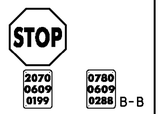
PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 93 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 11

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (In) FOUNDATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																					
151+66, RT		1	24	12	2.00						2												2	X								*2	M3-2 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-3 (GREEN ON WHITE)	X		
		1	24	12	2.00																													M4-5 (BLACK ON WHITE)	X		
		1	24	12	2.00																													M3-1 (BLACK ON WHITE)			
		1	30	24	5.00																													MI-5 (BLACK ON WHITE)	X		
		1	24	12	2.00																													M3-3 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-1 (GREEN ON WHITE)	X		
151+75, RT		1	30	30	6.25						1					X 13		X																RI-1	X		
152+35, RT		1	30	30	6.25						1					X 14		X																RI-1	X		
		1	6	10	0.42																													VD-700			E-138
		1	6	10	0.42																													VD-700			E-138
153+12, LT		1	24	12	2.00						2					16.5 X 16		X															*2	M3-3 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-1 (GREEN ON WHITE)	X		
		1	24	12	2.00																													M3-4 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-3 (GREEN ON WHITE)	X		
153+44, RT		1	24	12	2.00						1					X 15.5		X																M3-2 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
154+44, RT		1	36	36	9.00						2					16 X 16.75		X																WI-10L VARIATION		118	
		1	42	15	4.38																													WI6-8aP		118	
											FT	FT	FT	FT	FT 82	FT 33		EA	LB	LB	LB		LB 259	LB	LB	LB									
	TOTALS				SF 76.48	SF	EA.	SF			FT				FT ~~115~~ 107.75				LB				EA. 2	LB 259				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #11

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 94 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 12

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	FOUNDATION	TUBULAR STEEL Ø (In) 3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
155+76, LT	HIGHGATE PARK & RIDE / HIGHGATE PARK & RIDE B-B						2				1					12.25 X		X																MOUNT SALVAGED SIGNS ON NEW POLE BACK TO BACK			
156+55, LT	SPEED LIMIT 35	1	24	30	5.00						1					X 13		X																R2-1	X		
156+55, RT	SPEED LIMIT 35	1	24	30	5.00						1					X 14		X																R2-1	X		
158+55, LT	JCT / VERMONT 207 / 0780 0609 0300	1 1 1	21 30 6	15 24 10	2.00 5.00 0.42						1					X 13.25		X																M2-1 (GREEN ON WHITE) (GREEN ON WHITE) VD-700	X		E-136B E-136B E-138
158+60, RT	NEXT ¼ MILE	1 1	30 24	30 18	6.25 3.00						1					X 15.25		X																W11-2 (FLOURESCENT YELLOW-GREEN) W7-3aP (FLUORESCENT YELLOW-GREEN)	X	118	
161+10, RT	JCT / 207	1 1	21 30	15 24	2.00 5.00						1					X 14		X																M2-1 (BLACK ON WHITE) MI-5 (BLACK ON WHITE)	X X		
162+15, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X 13.25		X																VR-017			E-141
162+19, LT	STOP	1	30	30	6.25						1					13.25 X		X	1															RI-1 SLEEVE TO BE INSTALLED IN THE PAVEMENT PER T-45 TWO PIECE ANCHOR DETAIL	X		
162+51, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					15 X		X																VR-017			E-141
TOTALS					SF 49.92	SF	EA. 2	SF				FT	FT	FT	FT	FT 137	FT ~~137~~ 123.25		EA 1	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #12

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 95 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 13

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	EXIST POST 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	FOUNDATION	TUBULAR STEEL Ø (In) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
162+53, RT	Mill Hill Rd / VT Rte 78 / STOP / 0780 0609 0307 B-B	1	42	12	3.50						1						X 13.75	X																D3-1		113	
		1	42	12	3.50																													D3-1		113	
		1	30	30	6.25																													RI-1	X		
		1	6	10	0.42																													VD-700			E-138
162+55, LT	St Armand Rd / VT Rte 78	1	42	12	3.50						1					X 10.75		X																D3-1		113	
		1	42	12	3.50																													D3-1		113	
163+15, RT	Highgate Elementary School	1	72	20	10.02												14.75																	VDI-1		115	
	Morses Line 7	1	72	12	6.00						2						X	X																VDI-1a		115	
	Canada 8	1	72	12	6.00												14.5																	VDI-1a		115	
163+33, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X 13.25		X																VR-017			E-141
163+40, RT	Mill Hill / VT Rte 78 / STOP / 0780 0609 0310 B-B	1	36	12	3.00												13.75																	D3-1		113	E-136B
		1	42	12	3.50						1						X	X																D3-1		113	
		1	30	30	6.25																													RI-1	X		E-136B
		1	6	10	0.42																													VD-700			E-138
164+20, LT	WEST VERMONT 78	1	24	12	2.00						1					X 14		X																M3-4 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
											FT	FT	FT	FT	FT 41	FT 66		EA	LB	LB	LB		LB	LB	LB	LB									
	TOTALS				SF 66.86	SF	EA.	SF			FT				FT ~~107~~ 94.75				LB				EA.	LB				EA.	EA.	LB					

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #13

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 14

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0	4.0	4.0 MOD	lb/ft 1.3	1.7	1.7	FOUND-ATION	TUBULAR STEEL Ø (In) 3.0	3.5	4.0	5.0	lb/ft 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																										
165+95, RT	NORTH TO 207 235	1	24	12	2.00						2						X 15.0 15.25	X																					*2	M3-1 (BLACK ON WHITE)	X		
		1	30	24	5.00																																			M1-5 (BLACK ON WHITE)	X		
		1	21	15	2.19																																			M6-1 (BLACK ON WHITE)	X		
		1	24	12	2.00																																			M4-5 (BLACK ON WHITE)	X		
		1	30	24	5.00																																			M1-5 (BLACK ON WHITE)	X		
166+40, LT	VT Rte 207 / VT Rte 78 / STOP 0780 0609 0315 B-B	1	36	12	3.00						1						13.75 X	X																							D3-1		113	
		1	42	12	3.50																																			D3-1		113	
		1	30	30	6.25																																			RI-1	X		E-136B
		1	6	10	0.42																																			VD-700			E-138
166+95, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X 13.25		X																							VR-017			E-141
167+02, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X 13.25		X																							VR-017			E-141
167+25, LT	Highgate Sports Arena / Highgate Sports Arena B-B	1	72	20	10.02						2					12.25 X 12.25		X																							VDI-1		115	
		1	72	20	10.02																																			VDI-1		115	
167+29, RT	Decatur St / VT Rte 78 / STOP 0780 0609 0317 B-B	1	42	12	3.50						1																													D3-1		113	
		1	42	12	3.50												X 13.5	X																							D3-1		113	
		1	30	30	6.25																																			RI-1	X		
		1	6	10	0.42																																			VD-700			E-138
168+09, RT	SPEED LIMIT 35	1	24	30	5.00						1					X	13.0	X																							R2-1	X		

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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 78.07	SF	EA.	SF	FT	FT 75	FT 65	EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB
						FT 140 121.5				LB		EA.		LB			EA.	EA.	LB

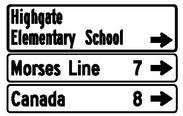
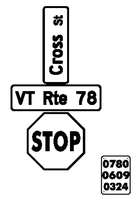
TRAFFIC SIGN SUMMARY SHEET #14

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 97 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 15

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (In) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																					
168+65, LT		1	24	12	2.00						2												2	3.0 X 2ø15'= 228 lbs								*2	M3-4 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-3 (GREEN ON WHITE)	X		
		1	24	12	2.00																													M4-5 (GREEN ON WHITE)	X		
		1	24	12	2.00																													M3-3 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
		1	24	12	2.00																													M3-1 (BLACK ON WHITE)	X		
		1	30	24	5.00																													MI-5 (BLACK ON WHITE)	X		
		1	21	15	2.19																													M6-1 (BLACK ON WHITE)	X		
		1	24	12	2.00																													M4-5 (BLACK ON WHITE)	X		
		1	30	24	5.00																													MI-5 (BLACK ON WHITE)	X		
170+65, LT		1	72	20	10.02						2						X 14.25	X																VDI-1		116	
		1	72	12	6.00												14.25																	VDI-1a		116	
		1	72	12	6.00																													VDI-1a		116	
171+18, RT		1	36	12	3.00						1						X 9.5	X																	D3-1		113	
		1	42	12	3.50																													D3-1		113	
		1	30	30	6.25																													RI-1	X		
		1	6	10	0.42																													VD-700			E-138
171+86, LT		1	30	30	6.25						1						X 15.75	X																	WII-2 (FLOURESCENT YELLOW-GREEN)	X		
		1	24	18	3.00																													W7-3aP (FLUORESCENT YELLOW-GREEN)		118	
173+98, RT		1	24	12	2.00						1					X 13.75		X																	M3-2 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
TOTALS					SF 83.82	SF	EA.	SF				FT	FT	FT	FT	FT 14	FT 69 (83) 67.5		EA	LB	LB	LB	EA. 2	LB 259	LB	LB	LB	EA.	EA.	LB							

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #15

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 98 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 16

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	EXIST POST 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	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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
173+98, LT	JCT 207	1	21	15	2.00						1					X 14.0		X																M2-1 (BLACK ON WHITE)	X		
		1	30	24	5.00																													MI-5 (BLACK ON WHITE)	X		
179+52, LT	0780 0609 0340	1	6	10	0.42						1				X 7			X																VD-700			E-138
180+58, LT	Highgate Center Swanton 4	1	30	18	3.75						1					X 12.25		X																VD-018		117	
190+08, LT	0780 0609 0360	1	6	10	0.42						1				X 7.75			X																VD-700			E-138
191+10, LT	TRAIL CROSSING	1	30	30	6.25						1						X 15.5	X																W11-15a	X		
		1	24	12	2.00																													W16-7P	X		
191+40, RT	TRAIL CROSSING	1	30	30	6.25						1						X 15	X																W11-15a	X		
		1	24	12	2.00																													W16-7P	X		
200+64, LT	0780 0609 0380	1	6	10	0.42						1				X 8.5			X																VD-700			E-138
211+20, RT	0780 0609 0400	1	6	10	0.42						1				X 7.25			X																VD-700			E-138
TOTALS					SF 28.93	SF	EA.	SF				FT	FT	FT	FT 40	FT 29	FT 34		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						
																	FT 103 87.25																			

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #16

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 99 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 17

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	1.88	2.42	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	1.3	1.7	1.7	FOUNDATION	TUBULAR STEEL Ø (In) lb/ft 3.0	3.5	4.0	5.0	7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																												
221+76, LT	0780 0609 0420	1	6	10	0.42						1 5.25				X						X																					VD-700			E-138
232+32, LT	0780 0609 0440	1	6	10	0.42						1 5.75				X						X																					VD-700			E-138
237+86, RT	Franklin Rd; XX M.P.H.	1 1 1	36 30 24	36 8 24	9.00 1.68 4.00						16.0 2 6.75						X			X	X																					WI-10 W16-8P WI3-IP	X X	 118 	
242+42, RT	Franklin 6; 0780 0609 0460	1 1	72 6	12 10	6.00 0.42						11.5 2 14.5					X				X	X																					VDI-1a VD-700		116 	 E-138
243+41, RT	BRIDGE 11 VT 78	1	6	10	0.42						8.25 1				X						X																					VD-701		112	
243+93, LT	BRIDGE 11 VT 78	1	6	10	0.42						7 1				X						X																					VD-701		112	
247+47, LT	Franklin Rd; VT Rte 78; STOP; 0780 0609 0469 B-B	1 1 1 1	42 42 30 6	12 12 30 10	3.50 3.50 6.25 0.42						3.75 1						X			X	X																					D3-1 D3-1 RI-1 VD-700	 X 	113 113 	 E-138
247+91, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1 14.0					X				X	X																					VR-017			E-141
248+34, LT	Franklin 6 →	1	72	12	6.00						13.0 2 12.25					X				X	X																					VDI-1a		116	
												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB														
															44	79	54																										
TOTALS					SF 47.45	SF	EA.	SF				FT			FT 177					LB			EA.	LB				EA.	EA.	LB												

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #17

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 100 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 18

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (In) FOUNDATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.3	1.7	1.7	1.88	2.42	3.35							7.6	9.0	10.8	14.6									
HIGHGATE VT ROUTE 78 (CONT.)																																					
253+44, LT	0780 0609 0480	1	6	10	0.42						1 8				X			X																VD-700			E-138
253+97, LT	Franklin Rd; XX M.P.H.	1 1 1	36 30 24	36 8 24	9.00 1.68 4.00						6.75 2 6.25						X	X																W1-10 W16-8P W13-1P	X	118	
264+00, RT	0780 0609 0500	1	6	10	0.42						7.25 1				X			X																VD-700			E-138
274+56, LT	0780 0609 0520	1	6	10	0.42						8.5 1				X			X																VD-700			E-138
274+56, RT	BRIDGE 12 VT 78	1	6	10	0.42						1 9				X			X																VD-701		112	
275+35, LT	BRIDGE 12 VT 78	1	6	10	0.42						1 8.75				X			X																VD-701		112	
277+90, RT	TRAIL CROSSING	1 1	30 24	30 12	6.25 2.00						1 14.5						X	X																W11-15a W16-7P	X X		
278+75, LT	TRAIL CROSSING	1 1	30 24	30 12	6.25 2.00						1 14.5						X	X																W11-15a W16-7P	X X		
282+48, RT	XX M.P.H. 35	1 1	30 18	30 18	6.25 2.25						1 15.0						X	X																W1-5 W13-1P	X X		
												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB									
															54		90																				
TOTALS					SF 41.78	SF	EA.	SF				FT			FT 144					LB			EA.	LB				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #18

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 101 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 19

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	EXIST POST 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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
285+45, RT	Lamkin St / VT Rte 78 / STOP / 0780 0609 0541 B-B	1	42	12	3.50						1						2.5	X																D3-1		113	
		1	42	12	3.50																													D3-1		113	E-138
		1	30	30	6.25						13.0																							RI-1	X		
		1	6	10	0.42																													VD-700			
285+65, RT		1	36	36	9.00						12.5 2 12.75					X		X																S3-1 (FLUORESCENT YELLOW-GREEN)	X		
286+28, RT		1	18	24	3.00						1 10.5					X		X																WI-8	X		
287+88, RT		1	18	24	3.00						1 13.0					X		X																WI-8	X		
289+48, RT		1	18	24	3.00						1 13.5					X		X																WI-8	X		
289+97, LT	Lamkin St	1	30	30	6.25						1						X	X																W2-2	X		
		1	30	8	1.68						13.0																							W16-8P		118	
291+08, RT		1	18	24	3.00						1 11.5					X		X																WI-8	X		
295+68, RT	0780 0609 0560	1	6	10	0.42						1 8.0				X			X																VD-700			E-138
298+00, RT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1 14.75					X		X																VW-054			E-154
												FT 10	FT	FT	FT 94	FT	FT 32		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 49.27	SF	EA.	SF				FT			FT 136					LB			EA.	LB				EA.	EA.	LB					

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #19

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 102 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 20

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (In) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																				
298+45, LT		1	48	24	8.00						13.25 2 12.5					X		X																WI-6	X		
298+52, LT		1	48	24	8.00						13.0 2 12.5					X		X																WI-6	X		
301+80, RT		1	48	24	8.00						11.75 2 11.5					X		X																WI-6	X		
306+24, LT		1	6	10	0.42						7 1				X			X																VD-700			E-138
307+00, LT		1	30	30	6.25						13.75 1					X		X																VW-133			E-154
316+80, RT		1	6	10	0.42						9 1				X			X																VD-700			E-138
318+91, LT		1 1	30 18	30 18	6.25 2.25						15.0 1						X	X																WI-5 WI3-1P	X X		
327+36, LT		1	6	10	0.42						7.5 1				X			X																VD-700			E-138
332+39, RT		1	36	36	9.00						16.0 2 16.0					X		X																W3-5	X		
337+39, LT		1	24	30	5.00						1 10.5					X		X																R2-1	X		
TOTALS					SF 54.01	SF	EA.	SF				FT	FT	FT	FT 30	FT 157	FT 18		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						
												FT			FT 205					LB			EA.	LB				EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #20

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 103 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 21

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) 1.75	2.0	2.5 lb/ft 1.88	2.42	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0	4.0	4.0 MOD lb/ft 1.3	1.7	1.7	FOUND-ATION	TUBULAR STEEL Ø (in) 3.0	3.5	4.0	5.0 lb/ft 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																												
337+39, RT	SPEED LIMIT 30	1	30	36	7.50						14.75 1					X			X																					R2-1	X		
339+39, RT	East Highgate 0780 0609 0640	1	30	18	3.75						13.25 1					X			X																					VD-018		117	
		1	6	10	0.42																																			VD-700			E-138
344+84, LT	Henne Rd / VT Rte 78 / STOP 0780 0609 0654 B-B	1	42	12	3.50						13.75 1							X	X																					D3-1		114	
		1	42	12	3.50																																			D3-1		113	
		1	30	30	6.25																																			RI-1	X		
		1	6	10	0.42																																			VD-700			E-138
345+22, LT	LEGAL LOAD LIMIT 24,000 POUNDS / SPEED LIMIT 35	1	24	30	5.00						15.25 1							X	X																					VR-017			E-141
		1	24	30	5.00																																			R2-1	X		
345+71, RT	BRIDGE 13 VT 78	1	6	10	0.42						8.75 1				X				X																					VD-701		112	
345+92, LT	BRIDGE 13 VT 78	1	6	10	0.42						7 1				X				X																					VD-701		112	
348+48, RT	0780 0609 0660	1	6	10	0.42						6.75 1				X				X																					VD-700			E-138
349+27, RT	SPEED LIMIT 30	1	24	30	5.00						15.0 1					X			X																					R2-1	X		
TOTALS					SF 41.60	SF	EA.	SF				FT	FT	FT	FT 34	FT 48	FT 31		EA	LB	LB	LB	EA	LB	LB	LB	LB	EA.	EA.	LB										
												FT			FT 113					LB			EA.	LB																

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #21

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 104 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 22

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	1.88	2.42	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	1.3	1.7	1.7	FOUNDATION	TUBULAR STEEL Ø (In) lb/ft 3.0	3.5	4.0	5.0	7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																													
352+05, RT	15	1	36	36	9.00						15.75 2 16.75									X	X																								WI-1L VARIATION		118	
		1	30	8	1.68																																						WI6-8P		118	
		1	24	24	4.00																																						WI3-1P	X		
353+60, LT		1	24	30	5.00						1 13.0					X					X																								R2-1	X		
356+53, RT		1	48	24	8.00						13.0 2 12.75					X					X																								WI-6	X		
356+76, RT		1	48	24	8.00						12.5 2 12.75					X					X																								WI-6	X		
356+76, RT		1	24	30	5.00						1 13.25					X					X																								R12-1	X		
356+98, RT		1	30	30	6.25						1 14.0					X					X																								WI4-2	X		
357+00, RT		1	48	24	8.00						13.0 2 13.0					X					X																								WI-6	X		
357+00, RT	TH 48 PINE PLAINS						1				1 10.75					X																												MOUNT SALVAGED SIGN ON NEW POST			
357+12, RT	B-B	1	42	12	3.50						13.25 1									X	X																								D3-1		114	
		1	42	12	3.50																																						D3-1		113	
		1	30	30	6.25																																						RI-1	X		
		1	6	10	0.42																																						VD-700			E-138
359+04, RT	0780 0609 0680	1	6	10	0.42						7.5 1				X						X																								VD-700			E-138
TOTALS					SF 69.02	SF	EA. 1	SF				FT	FT	FT	FT 10	FT 154	FT 54		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB														

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #22

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 105 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 23

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) lb/ft 1.75	2.0	2.5	1.88	2.42	3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) lb/ft 3.0	4.0	4.0 MOD	1.3	1.7	1.7	FOUNDATION	TUBULAR STEEL Ø (In) lb/ft 3.0	3.5	4.0	5.0	7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																													
359+50, LT		1	36	36	9.00						15.5									X	X																								W1-1R VARIATION		118	
		1	30	8	1.68						2																																W16-8P		118	
		1	24	24	4.00						16.25																																W13-1P	X		
364+32, LT		1	30	36	7.50						13.25 1					X				X																								R2-1	X		
364+32, RT		1	24	30	5.00						14.75 1					X				X																								R2-1	X		
368+02, LT		1	30	18	3.75						11.5 1					X				X																								VD-018		117	
369+60, LT		1	6	10	0.42						8 1				X					X																								VD-700			E-138
373+03, LT		1	36	36	9.00						14.25 2 14.25					X				X																								W3-5	X		
376+46, RT		1	30	30	6.25						14.0 1					X				X																								W11-6H INSTALL HINGED SIGN IN CLOSED POSITION			E-153
379+90, RT		1	30	30	6.25						16.75 1									X	X																								W1-2	X		
		1	18	18	2.25																																								W13-1P	X		
		1	6	10	0.42																																								VD-700			E-138
											FT	FT	FT		FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB																	
															10	91	48																													
TOTALS			SF 55.52	SF	EA.	SF					FT				FT 149					LB			EA.				LB											EA.	EA.	LB				

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #23

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 106 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 24

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	EXIST POST 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	FOUNDATION	TUBULAR STEEL Ø (In) lb/ft 3.0	7.6	3.5	9.0	4.0	10.8	5.0	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
HIGHGATE VT ROUTE 78 (CONT.)																																													
381+92, LT	TRAIL CROSSING	1	30	30	6.25						14.0 1								X	X																						WII-15a	X		
		1	24	12	2.00																																			WI6-7P	X		
382+05, RT	TRAIL CROSSING	1	30	30	6.25						13.75 1								X	X																						WII-15a	X		
		1	24	12	2.00																																			WI6-7P	X		
383+88, RT	B-B	1	18	24	3.00						12.75 1						X			X																					WI-8	X		
		1	18	24	3.00																																			WI-8	X		
385+19, RT	B-B	1	18	24	3.00						13.75 1						X			X																					WI-8	X		
		1	18	24	3.00																																			WI-8	X		
386+50, LT	11%	1	30	30	6.25						12.25 1						X			X																					W7-1a	X		
386+51, RT	B-B	1	18	24	3.00						14.0 1						X			X																					WI-8	X		
		1	18	24	3.00																																			WI-8	X		
388+61, LT		1	30	30	6.25						12.25 1						X			X																					WII-6H	INSTALL HINGED SIGN IN CLOSED POSITION			E-153
390+19, LT	XX M.P.H. 35 0780 0609 0740	1	30	30	6.25						16.5 1								X	X																					WI-2	X		
		1	18	18	2.25																																			WI3-1P	X		
		1	6	10	0.42																																			VD-700			E-138
401+28, RT	0780 0609 0760	1	6	10	0.42						9.75 1				X					X																					VD-700			E-138
408+19.43, RT	Sheldon Highgate 0780 0614 0000 0780 0609 0773	1	72	10	5.00						12.75 2 12.5						X			X																					VD-024		119	
		1	6	10	0.42																																			VD-700			E-138
		1	6	10	0.42																																			VD-700			E-138
TOTALS					SF 62.18	SF	EA.	SF				FT	FT	FT	FT 10	FT 99	FT 51		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB												

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #24

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 25

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	EXIST POST 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 IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SHELDON VT ROUTE 78																																				
10+93, LT	0780 0614 0020	1	6	10	0.42						1 @ 7.25				X			X															VD-700			E-138
13+43, LT	HIDDEN DRIVE RIGHT	1	30	30	6.25						1 @ 15.0					X		X															VW-054			E-154
17+00, RT	Shawville Sheldon Jct 2	1	30	18	3.75						1 @ 13.75					X		X															VD-018		117	
19+00, RT	← Rice Hill Rd Shawville Rd →	1	36	36	9.00						1 @ 16.75					X		X															W2-1	X		
		1	42	15	4.38						2 @ 16.25																						W16-8aP		118	
21+65, LT	Rice Hill Rd	1	42	12	3.50						3 @ 13.0																						D3-1		114	
	VT Rte 78	1	42	12	3.50						1						X	X															D3-1		113	
	STOP	1	30	30	6.25																												RI-1	X		
	0780 0614 0041 B-B	1	6	10	0.42																												VD-700			E-138
21+94, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1 @ 12.5					X		X															VR-017			E-141
22+44, RT	Shawville Rd	1	42	12	3.50						3 @ 12.75																						D3-1		114	
	VT Rte 78	1	42	12	3.50						1						X	X															D3-1		113	
	STOP	1	30	30	6.25																												RI-1	X		
	0780 0614 0042 B-B	1	6	10	0.42																												VD-700			E-138
TOTALS					SF 56.14	SF	EA.	SF				FT	FT	FT	FT 10	FT 81	FT 31		EA	LB	LB	LB	EA.	LB 7.6	LB 9.0	LB 10.8	LB 14.6	EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #25

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07ci86.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 108 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 26

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	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (In) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (In) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (In) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SHELDON VT ROUTE 78 (CONT.)																																				
24+50, LT	← Shawville Rd / Rice Hill Rd →	1	36	36	9.00						16.25 / 2 / 17.25					X		X																W2-1 / W16-8aP	X	118	
31+67, RT	BRIDGE 14 VT 78	1	6	10	0.42						8.75 / 1				X			X															VD-701		112	
31+79, LT	BRIDGE 14 VT 78 / 0780 0614 0060	1 / 1	6 / 6	10 / 10	0.42 / 0.42						8.0 / 1				X			X															VD-701 / VD-700		112	E-138
42+24, RT	0780 0614 0080	1	6	10	0.42						7.75 / 1				X			X															VD-700			E-138
52+80, LT	0780 0614 0100	1	6	10	0.42						6.5 / 1				X			X															VD-700			E-138
63+36, RT	0780 0614 0120	1	6	10	0.42						7.0 / 1				X			X															VD-700			E-138
73+90, LT	0780 0614 0140	1	6	10	0.42						7.0 / 1				X			X															VD-700			E-138
79+23, RT	BRIDGE 15 VT 78	1	6	10	0.42						8.5 / 1				X			X															VD-701		112	
79+77, LT	BRIDGE 15 VT 78	1	6	10	0.42						8.25 / 1				X			X															VD-701		112	
80+48, RT	BRIDGE 16 VT 78	1	6	10	0.42						8.25 / 1				X			X															VD-701		112	
80+75, LT	BRIDGE 16 VT 78	1	6	10	0.42						9.25 / 1				X			X															VD-701		112	
TOTALS					SF 18.00	SF	EA.	SF				FT	FT	FT	FT 112	FT 36	FT 148	EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #26

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC

PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 109 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 27

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) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
SHELDON VT ROUTE 78 (CONT.)																																				
84+48, RT	0780 0614 0160	1	6	10	0.42						9.0 1				X			X																VD-700			E-138
87+43, RT		1	30	30	6.25						16.25 1					X		X																W3-1	X		
89+43, RT	JCT VERMONT 105 / END VERMONT 78	1	21	15	2.00						18.0 2 16.75					X		X															*1	M2-1 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
		1	24	12	2.00																													R3-9dP (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
91+26, LT	East Highgate 3	1	72	12	6.00						14.25 2					X		X																VD2-1		116	
	Swanton 11	1	72	12	6.00						17.0																							VD2-1		116	
91+43, RT	← North Sheldon 2	1	72	12	6.00																		95.0 LB											VDI-1a		116	
	← Enosburg Falls 7	1	72	12	6.00						~~2~~												2	X											VDI-1a		116	
	Sheldon Springs 1 →	1	72	12	6.00																													VDI-1a		116	
	St. Albans 12 →	1	72	12	6.00																		95.0 LB											VDI-1a		116	
93+26, LT	WEST VERMONT 78	1	24	12	2.00						16.25 1					X		X																M3-4 (GREEN ON WHITE)	X		
		1	24	24	4.00																													(GREEN ON WHITE)			E-136B
93+43, RT	EAST VERMONT 105 ← / WEST VERMONT 105 →	1	24	12	2.00						17.5 2 17.5							X	X														*2	M3-2 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-1 (GREEN ON WHITE)	X		
		1	24	12	2.00																													M3-4 (GREEN ON WHITE)	X		
		1	30	24	5.00																													(GREEN ON WHITE)			E-136B
		1	21	15	2.19																													M6-1 (GREEN ON WHITE)	X		
											FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB								
														10	103	34								213										
TOTALS					SF 80.05	SF	EA.	SF			FT			FT 147					LB			EA. 2		LB 213			EA.	EA.	LB				

* "SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #27

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 110 OF 121

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 28

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																				REMARKS	SIGN DETAIL		
		EA	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL lb/ft			SQUARE STEEL (In)			ANCHOR	SLEEVE	TUBULAR ALUMINUM ⌀ (In)			FOUNDATION	TUBULAR STEEL ⌀ (In)				W-SHAPE STEEL FTG. SIZE		WEIGHT	POST SIZE	SIGN FRAME REQUIRED		DETAIL IN SHSM * BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
															1.75	2.0	2.5			3.0	4.0	4.0 MOD		3.0	3.5	4.0	5.0	24"	30"							
															lb/ft					lb/ft				lb/ft												
												1.12	2.0	3.0	1.88	2.42	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6								
	SHEET 84 SUBTOTALS				29.07											57																			
	SHEET 85 SUBTOTALS				40.36		2									103	16																		
	SHEET 86 SUBTOTALS				36.69		9									119																			
	SHEET 87 SUBTOTALS				75.01		3									148	48																		
	SHEET 88 SUBTOTALS				71.07											88	31						1	84											
	SHEET 89 SUBTOTALS				49.46										50	75	48																		
	SHEET 90 SUBTOTALS				41.60		1								44	134																			
	SHEET 91 SUBTOTALS				48.19										30	110	42																		
	SHEET 92 SUBTOTALS				54.86										34	111	38																		
	SHEET 93 SUBTOTALS				49.09										20	104	34																		
	SHEET 94 SUBTOTALS				76.48											82	33						2	259											
	SHEET 95 SUBTOTALS				49.92		2									137			1																
	SHEET 96 SUBTOTALS				66.86											41	66																		
	SHEET 97 SUBTOTALS				78.07											75	65																		
	SHEET 98 SUBTOTALS				83.82											14	69						2	259											
	SHEET 99 SUBTOTALS				28.93										40	29	34																		
	SHEET 100 SUBTOTALS				47.45										44	79	54																		
	SHEET 101 SUBTOTALS				41.78										54		90																		
	SHEET 102 SUBTOTALS				49.27										10	94	32																		
	SHEET 103 SUBTOTALS				54.01										30	157	18																		
	SHEET 104 SUBTOTALS				41.60										34	48	31																		
	SHEET 105 SUBTOTALS				69.02		1								10	154	54																		
	SHEET 106 SUBTOTALS				55.52										10	91	48																		
	SHEET 107 SUBTOTALS				62.18										10	99	51																		
	SHEET 108 SUBTOTALS				56.14										10	81	31																		
	SHEET 109 SUBTOTALS				18.00										112	36																			
	SHEET 110 SUBTOTALS				80.05										10	103	34						2	213											
	PROJECT SUBTOTALS				1454.5		18								552	2369	967						7	815											
	ROUNDING				20.50		-								3	16	3						-	10											
	TOTALS				SF 1475	SF	EA. 18	SF				FT	FT	FT	FT 555	FT 2385	FT 970		EA 1	LB	LB	LB	EA. 7	LB 825	LB	LB	LB	EA.	EA.	LB					

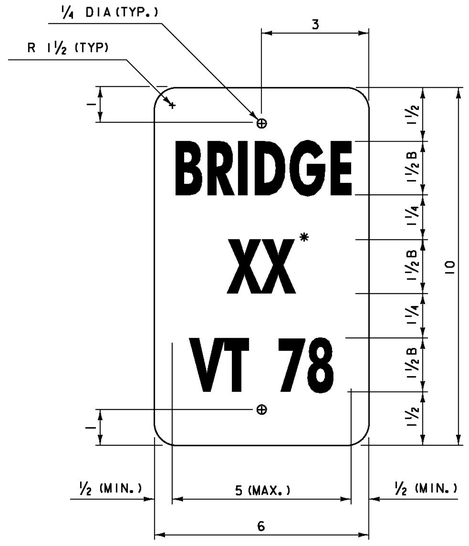
*
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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."

TRAFFIC SIGN SUMMARY SHEET #28

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
PLOT DATE: 4/24/2014
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET III OF 121

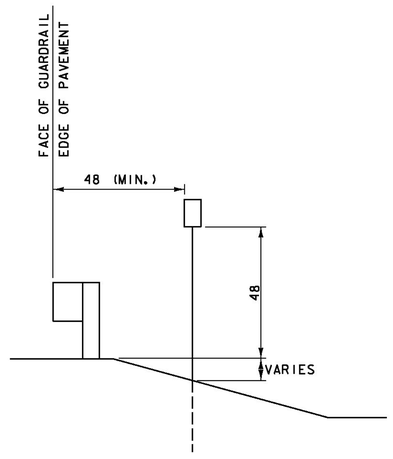


VD-701

*=SEE BRIDGE NUMBERS BELOW

LOCATION:
HIGHGATE STA. 68+65, RT (BR 9)
HIGHGATE STA. 68+81, LT (BR 9)
HIGHGATE STA. 125+72, RT (BR 10)
HIGHGATE STA. 125+94, LT (BR 10)
HIGHGATE STA. 243+41, RT (BR 11)
HIGHGATE STA. 243+93, LT (BR 11)
HIGHGATE STA. 274+56, RT (BR 12)
HIGHGATE STA. 275+35, LT (BR 12)
HIGHGATE STA. 345+71, RT (BR 13)
HIGHGATE STA. 345+92, LT (BR 13)

SHELDON STA. 31+67, RT (BR 14)
SHELDON STA. 31+79, LT (BR 14)
SHELDON STA. 79+23, RT (BR 15)
SHELDON STA. 79+77, LT (BR 15)
SHELDON STA. 80+48, RT (BR 16)
SHELDON STA. 80+75, LT (BR 16)



VD-701 INSTALLATION DETAIL

GENERAL BRIDGE NUMBER PLAQUE NOTES:

1. BRIDGE NUMBER PLAQUES SHALL BE LOCATED ON BOTH BRIDGE APPROACHES AT THE NEAREST VISIBLE LOCATION.
2. THE SIGN BASE MATERIAL SHALL BE 0.063 INCH FLAT SHEET ALUMINUM.
3. THE SIGN SHALL BE WHITE RETROREFLECTIVE LEGEND ON A GREEN RETROREFLECTIVE BACKGROUND, BOTH SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 268 ["AMERICAN SOCIETY FOR TESTING AND MATERIALS" (ASTM) D 4956] TYPE III.
4. THE SECOND LINE OF TEXT INDICATES THE BRIDGE NUMBER. THE BRIDGE NUMBERS HAVE BEEN PROVIDED UNDER THE DETAIL TO THE LEFT AND ALSO ON THE TRAFFIC SIGN SUMMARY SHEETS.
5. THE THIRD LINE OF TEXT INDICATES THE STATE ROUTE NUMBER. IN ALL CASES THIS WILL BE DEPICTED USING THE LETTER ABBREVIATION, FOLLOWED BY A HYPHEN, FOLLOWED BY THE ROUTE NUMBER. FOR EXAMPLE US ROUTE 2 WOULD BE IDENTIFIED USING US-2.
6. THE SECOND AND THIRD LINES OF TEXT SHALL BE CENTERED HORIZONTALLY AND SHALL BE AS DEFINED IN THE PLANS.
7. A SINGLE 14 GAGE, 1.75 INCH SQUARE STEEL POST AND 12 GAGE, TWO INCH SQUARE ANCHOR SHALL BE USED FOR INSTALLATION. THE ANCHOR SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.
8. ALL DIMENSIONS SHOWN IN INCHES.

NOT TO SCALE

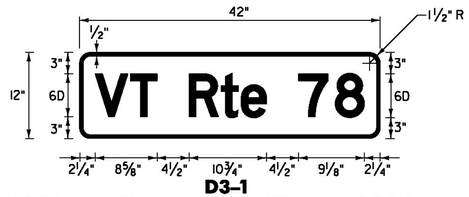
Stantec

TRAFFIC SIGN DETAIL SHEET #1

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT

PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 112 OF 121



D3-1

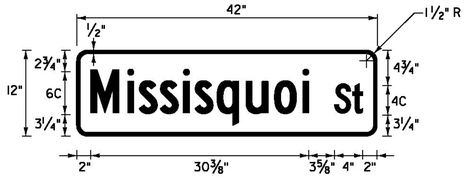
LOCATION: SWANTON
STA. 391+25, LT
STA. 391+77, RT
STA. 406+75, LT
STA. 425+72, RT

HIGHGATE
STA. 27+35, LT
STA. 122+67, LT
STA. 162+53, RT
STA. 162+55, LT
STA. 163+40, RT
STA. 166+40, LT
STA. 167+29, RT
STA. 171+18, RT
STA. 247+47, LT
STA. 285+45, RT
STA. 344+84, LT
STA. 357+12, RT

SHELDON
STA. 21+65, LT
STA. 22+44, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

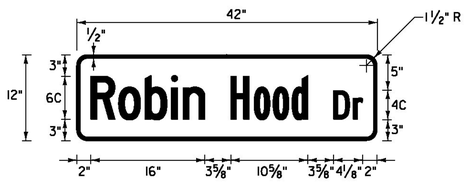


D3-1

LOCATION: SWANTON
STA. 391+25, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

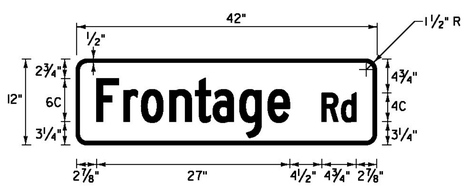


D3-1

LOCATION: SWANTON
STA. 391+77, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

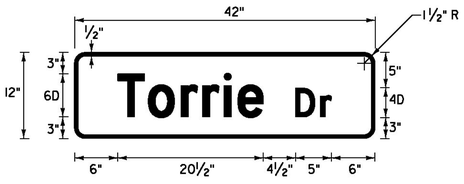


D3-1

LOCATION: SWANTON
STA. 406+75, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

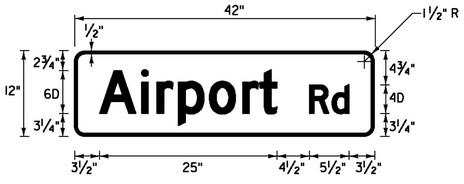


D3-1

LOCATION: SWANTON
STA. 425+72, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

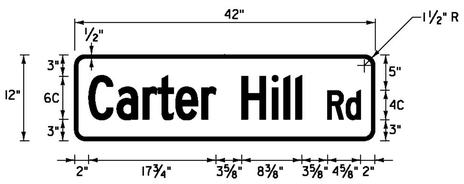


D3-1

LOCATION: HIGHGATE
STA. 27+35, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

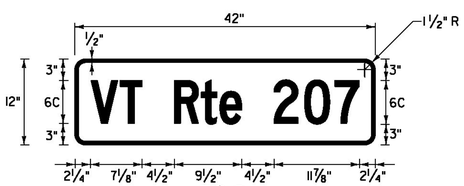


D3-1

LOCATION: HIGHGATE
STA. 122+67, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

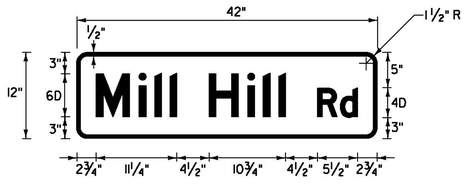


D3-1

LOCATION: HIGHGATE
STA. 166+40, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

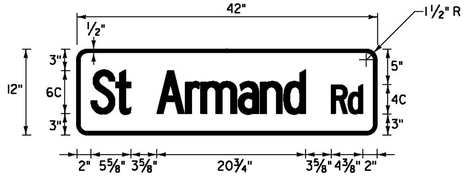


D3-1

LOCATION: HIGHGATE
STA. 162+53, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS



D3-1

LOCATION: HIGHGATE
STA. 162+55, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

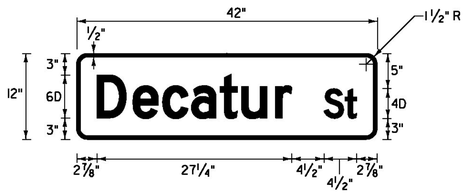
MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

D3-1

LOCATION: HIGHGATE
STA. 163+40, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

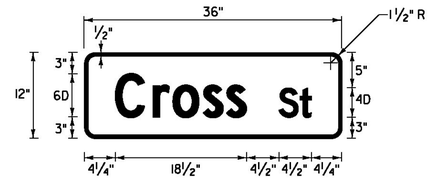


D3-1

LOCATION: HIGHGATE
STA. 167+29, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

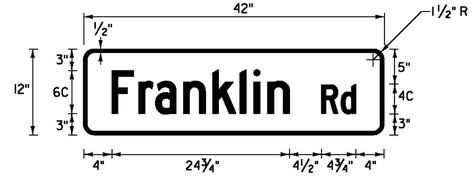


D3-1

LOCATION: HIGHGATE
STA. 171+18, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

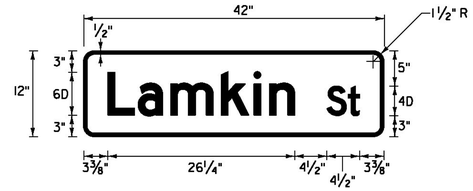


D3-1

LOCATION: HIGHGATE
STA. 247+47, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS



D3-1

LOCATION: HIGHGATE
STA. 285+45, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

NOT TO SCALE

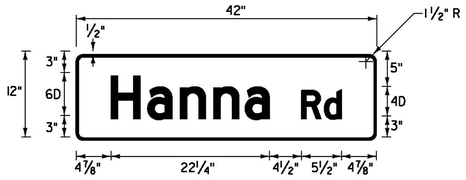
NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 119.

Stantec

TRAFFIC SIGN DETAIL SHEET #2

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 113 OF 121

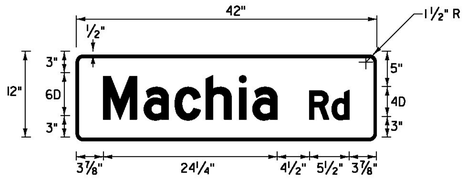


D3-1

LOCATION: HIGHGATE
STA. 344+84, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

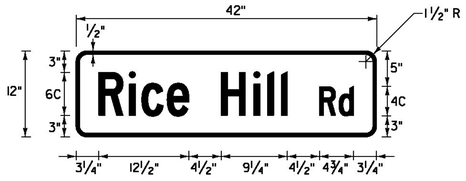


D3-1

LOCATION: HIGHGATE
STA. 357+12, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

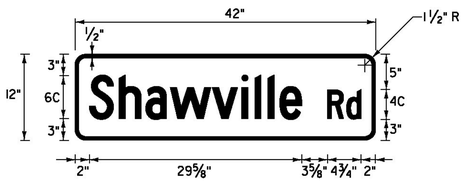


D3-1

LOCATION: SHELDON
STA. 21+65, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS

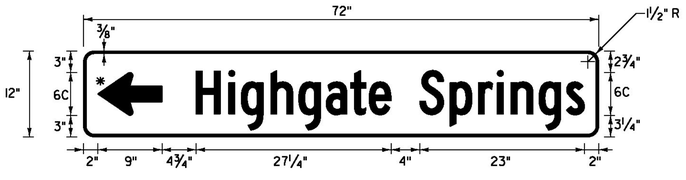


D3-1

LOCATION: SHELDON
STA. 22+44, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM WITH 12" BRACKETS



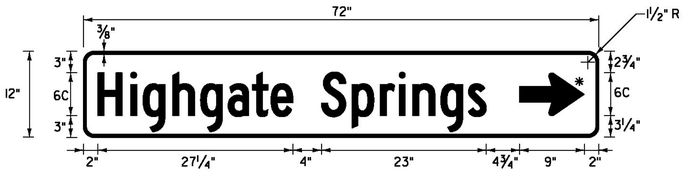
VD1-1

LOCATION: HIGHGATE
STA. 122+50, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



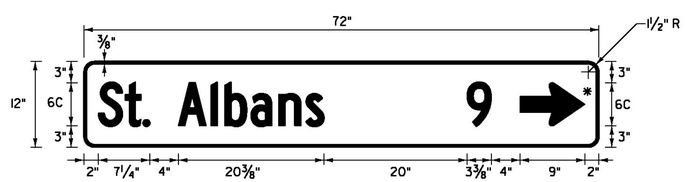
VD1-1

LOCATION: HIGHGATE
STA. 124+04, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



VD1-1a

LOCATION: HIGHGATE
STA. 150+14, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119

NOT TO SCALE

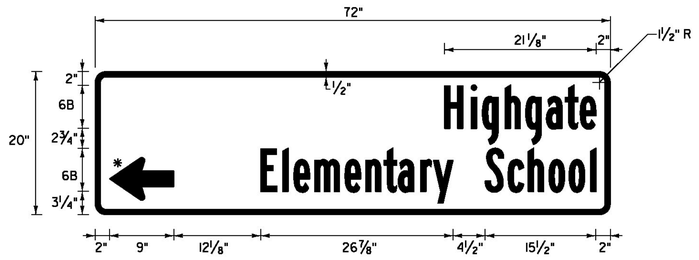
NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 119.

Stantec

TRAFFIC SIGN DETAIL SHEET #3

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/25/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 114 OF 121



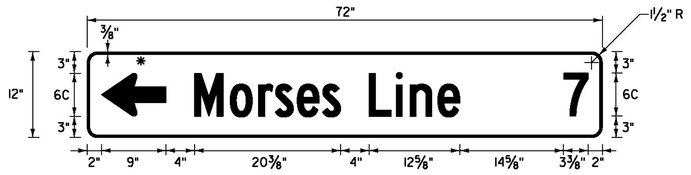
VD1-1

LOCATION: HIGHGATE
STA. 163+15, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



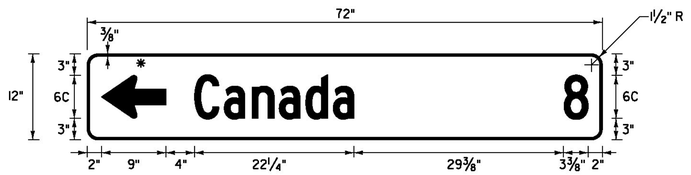
VD1-1a

LOCATION: HIGHGATE
STA. 163+15, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



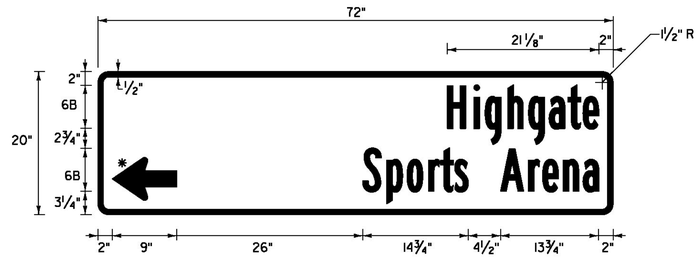
VD1-1a

LOCATION: HIGHGATE
STA. 163+15, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



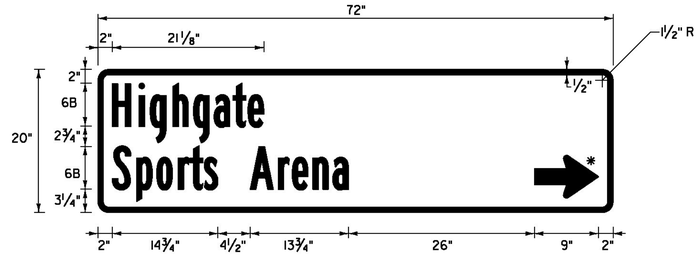
VD1-1

LOCATION: HIGHGATE
STA. 167+25, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



VD1-1

LOCATION: HIGHGATE
STA. 167+25, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 119.

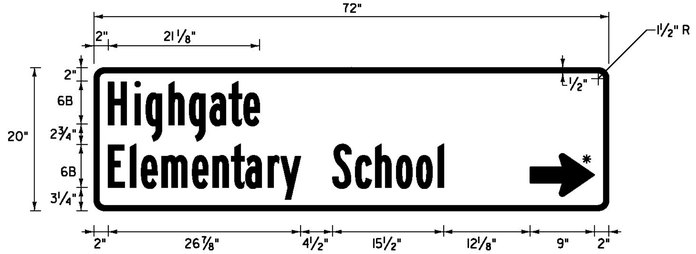
Stantec

TRAFFIC SIGN DETAIL SHEET #4

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT

PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 115 OF 121



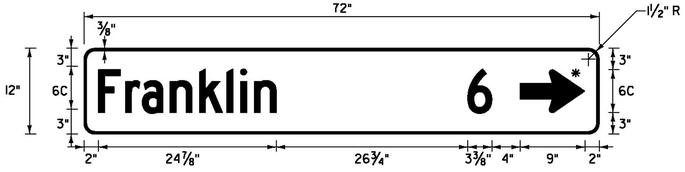
VD1-1

LOCATION: HIGHGATE
STA. 170+65, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



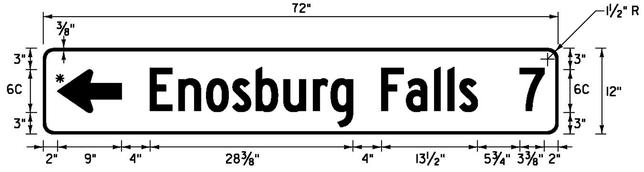
VD1-1a

LOCATION: HIGHGATE
STA. 248+34, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



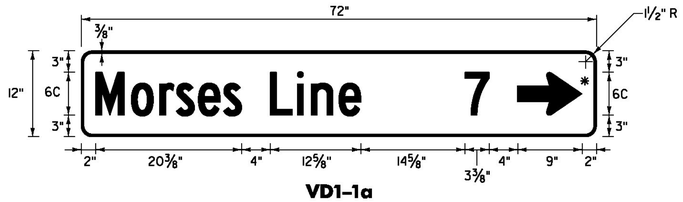
VD1-1a

LOCATION: SHELDON
STA. 91+43, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



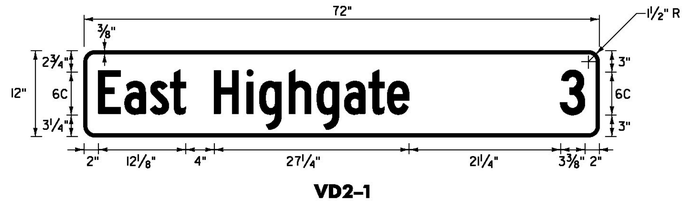
VD1-1a

LOCATION: HIGHGATE
STA. 170+65, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119

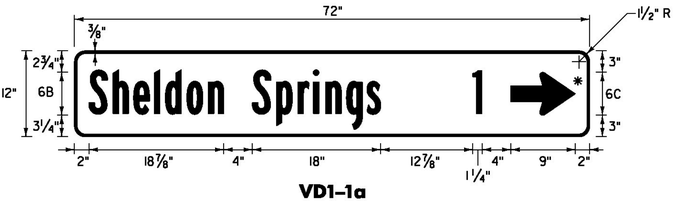


VD2-1

LOCATION: SHELDON
STA. 91+26, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM



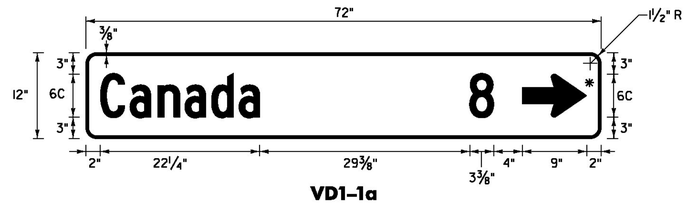
VD1-1a

LOCATION: SHELDON
STA. 91+43, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



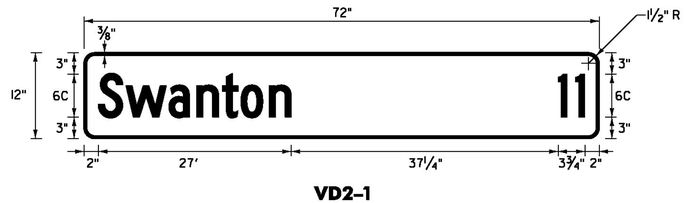
VD1-1a

LOCATION: HIGHGATE
STA. 170+65, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119

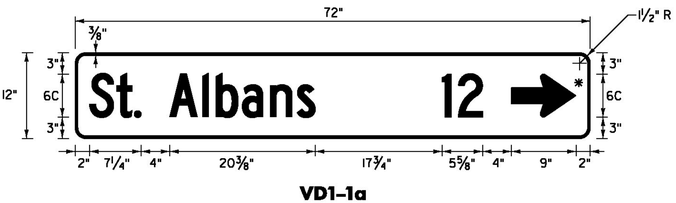


VD2-1

LOCATION: SHELDON
STA. 91+26, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM



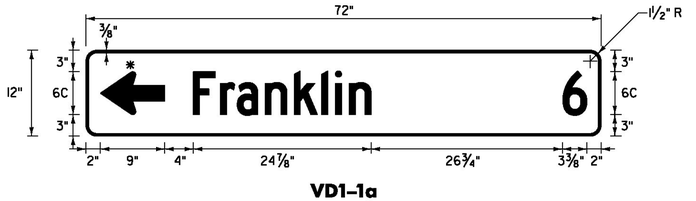
VD1-1a

LOCATION: SHELDON
STA. 91+43, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



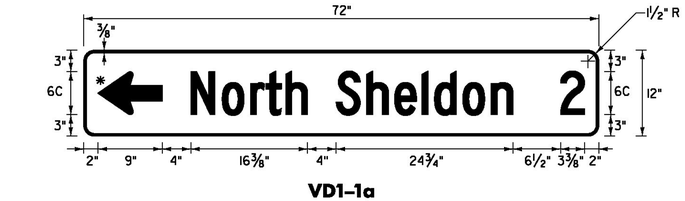
VD1-1a

LOCATION: HIGHGATE
STA. 242+42, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



VD1-1a

LOCATION: SHELDON
STA. 91+43, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 119.

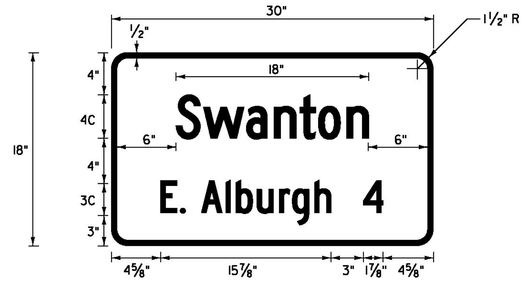
Stantec

TRAFFIC SIGN DETAIL SHEET #5

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT

PLOT DATE: 4/25/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 116 OF 121

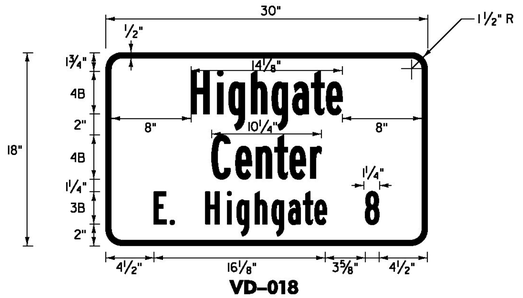


VD-018

LOCATION: SWANTON STA. 398+00, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TABLE ON SHEET 119

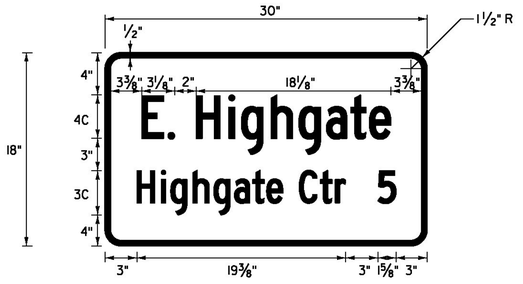


VD-018

LOCATION: HIGHGATE STA. 143+28, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TABLE ON SHEET 119

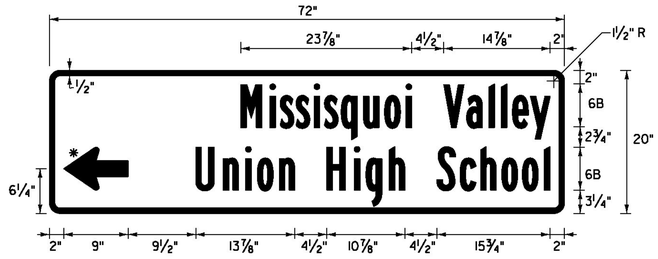


VD-018

LOCATION: HIGHGATE STA. 368+02, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TABLE ON SHEET 119



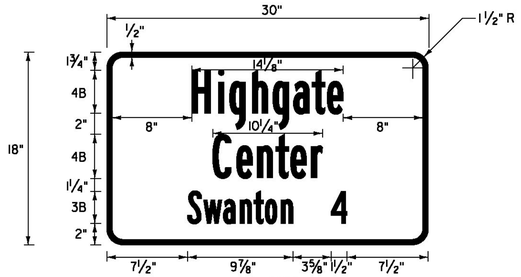
VD1-1

LOCATION: SWANTON
STA. 423+75, RT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119

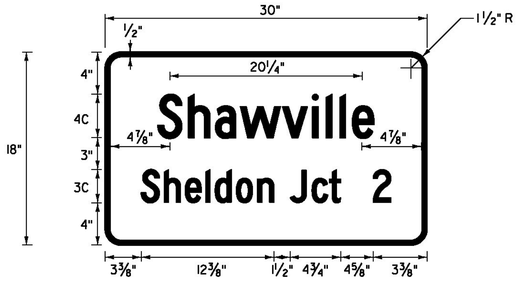


VD-018

LOCATION: HIGHGATE STA. 180+58, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TABLE ON SHEET 119

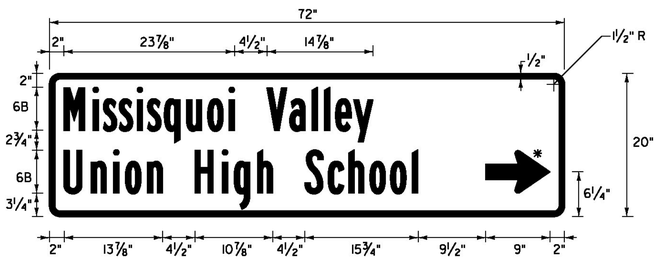


VD-018

LOCATION: SHELDON STA. 17+00, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TABLE ON SHEET 119



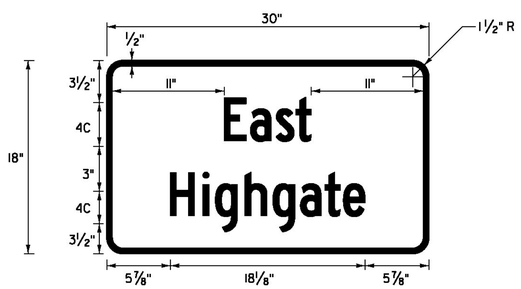
VD1-1

LOCATION: HIGHGATE
STA. 2+00, LT

COLOR: WHITE BORDER, ARROW AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

* FOR ARROW DETAIL SEE SHEET 119



VD-018

LOCATION: HIGHGATE STA. 339+39, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TABLE ON SHEET 119

NOT TO SCALE

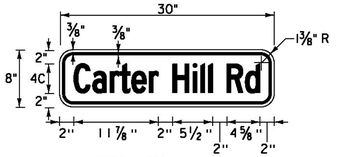
NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 119.

Stantec

TRAFFIC SIGN DETAIL SHEET #6

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 117 OF 121

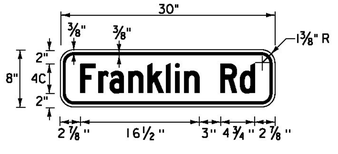


W16-8P

LOCATION: HIGHGATE: VT ROUTE 78
STA. 113+80, RT
STA. 129+90, LT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119

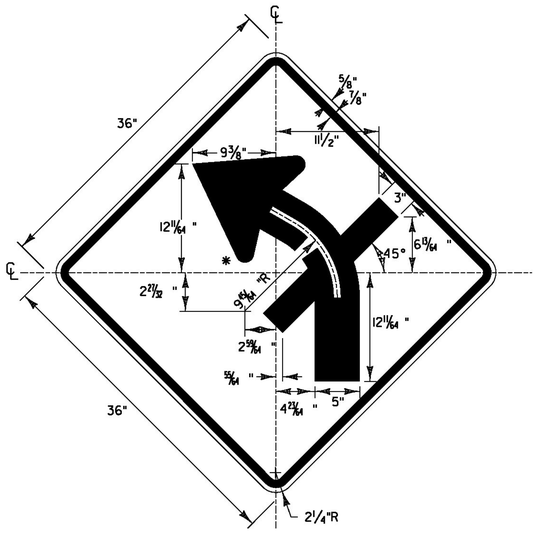


W16-8P

LOCATION: HIGHGATE: VT ROUTE 78
STA. 237+86, RT
STA. 253+97, LT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119



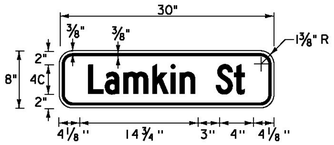
W1-10L VARIATION

LOCATION: HIGHGATE
STA. 154+44, RT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 119

* FOR 5" ARROW DETAIL SEE SHEET 119

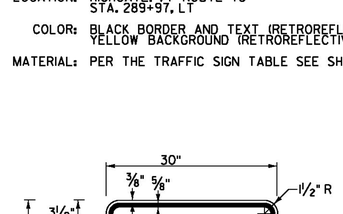


W16-8P

LOCATION: HIGHGATE: VT ROUTE 78
STA. 289+97, LT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

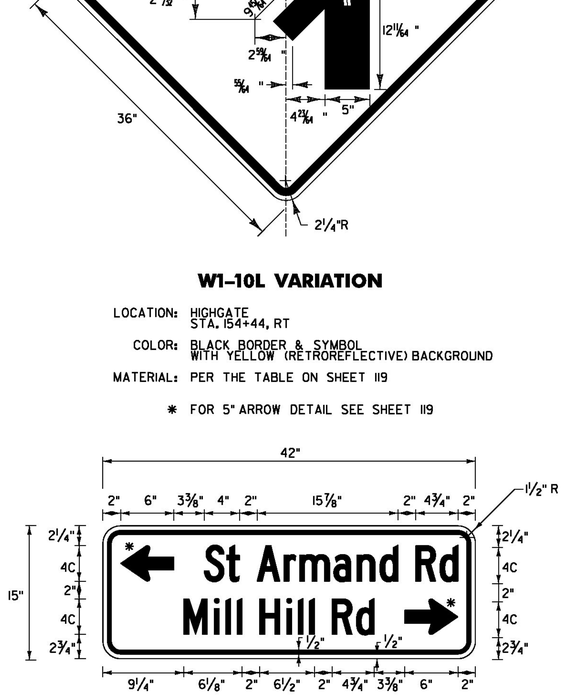
MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119



LOCATION: HIGHGATE: VT ROUTE 78
STA. 158+60, RT
STA. 171+86, LT

COLOR: BLACK BORDER & LEGEND
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 119



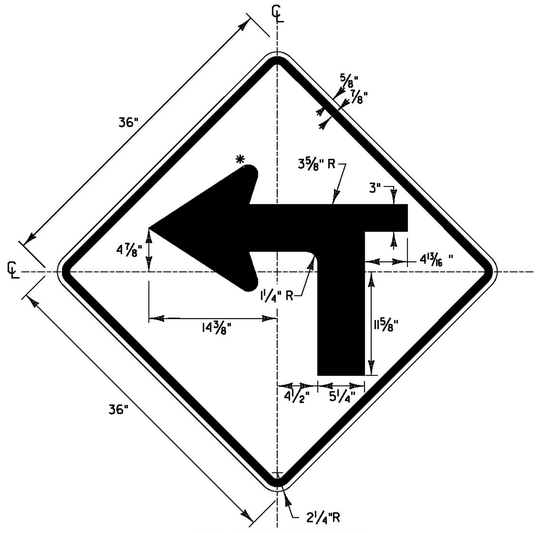
W16-8aP

LOCATION: HIGHGATE: VT ROUTE 78
STA. 154+44, RT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119

* FOR ARROW DETAIL SEE SHEET 119



W1-1L VARIATION

LOCATION: HIGHGATE
STA. 352+05, RT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 119

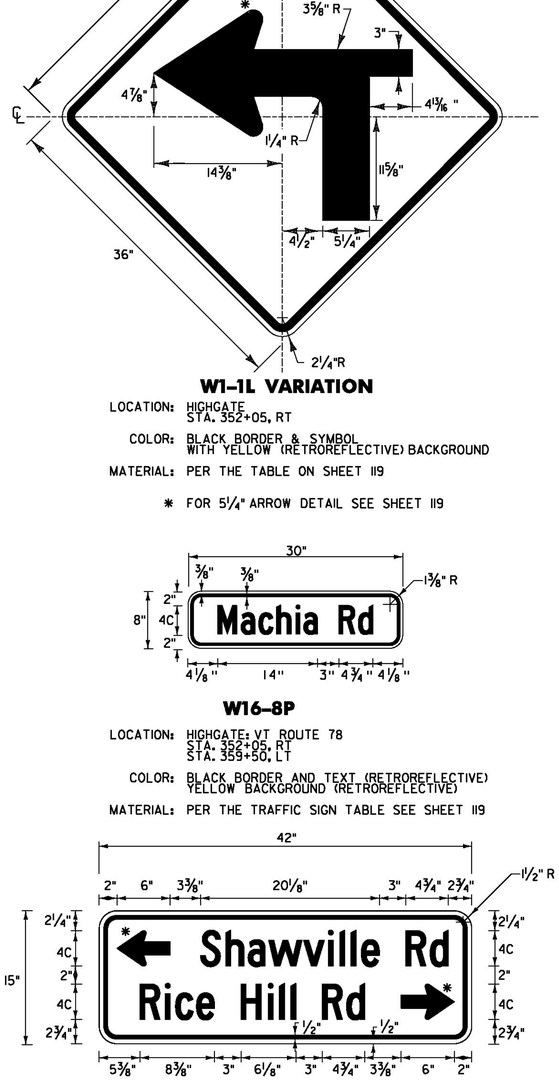
* FOR 5 1/4" ARROW DETAIL SEE SHEET 119

W16-8P

LOCATION: HIGHGATE: VT ROUTE 78
STA. 352+05, RT
STA. 359+50, LT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119



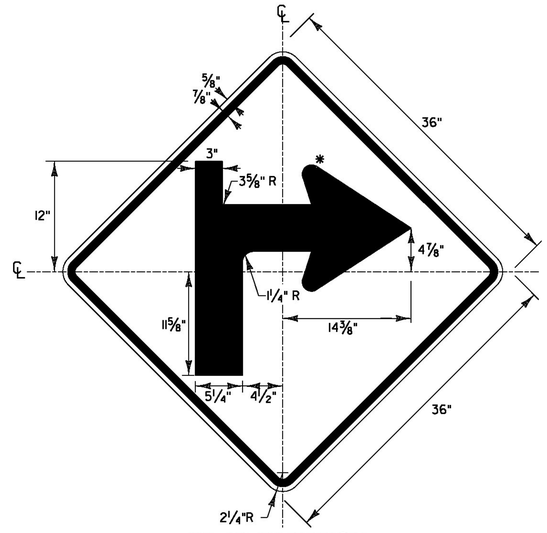
W16-8aP

LOCATION: SHELDON: VT ROUTE 78
STA. 24+50, LT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119

* FOR ARROW DETAIL SEE SHEET 119



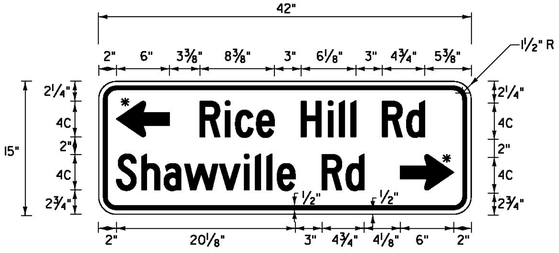
W1-1R VARIATION

LOCATION: HIGHGATE
STA. 359+50, LT

COLOR: BLACK BORDER & SYMBOL
WITH YELLOW (RETROREFLECTIVE) BACKGROUND

MATERIAL: PER THE TABLE ON SHEET 119

* FOR 5 1/4" ARROW DETAIL SEE SHEET 119



W16-8aP

LOCATION: SHELDON: VT ROUTE 78
STA. 19+00, RT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE SEE SHEET 119

* FOR ARROW DETAIL SEE SHEET 119

NOT TO SCALE

NOTE: SEE TRAFFIC SIGN NOTES ON SHEET 119.

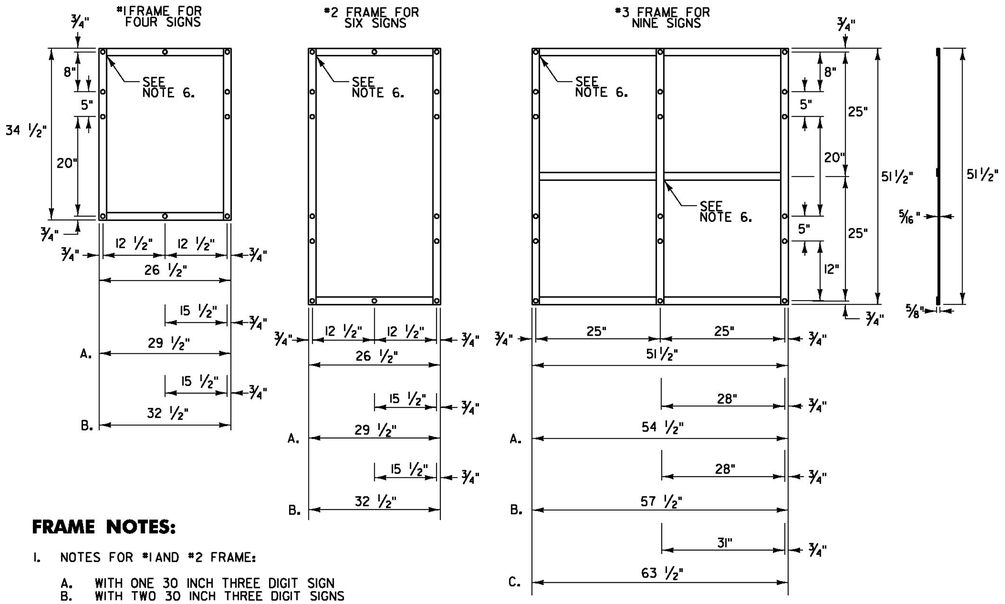
Stantec

TRAFFIC SIGN DETAIL SHEET #7

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 118 OF 121

ROUTE MARKER ASSEMBLY FRAMES



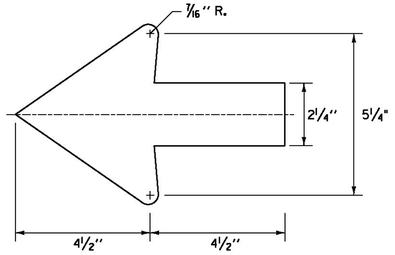
FRAME NOTES:

1. NOTES FOR #1 AND #2 FRAME:
   - A. WITH ONE 30 INCH THREE DIGIT SIGN
   - B. WITH TWO 30 INCH THREE DIGIT SIGNS
2. NOTES FOR #3 FRAME:
   - A. WITH ONE 30 INCH THREE DIGIT SIGN IN AN OUTSIDE POSITION.
   - B. WITH ONE 30 INCH THREE DIGIT SIGN IN THE CENTER POSITION OR TWO SUCH SIGNS IN THE OUTSIDE POSITIONS.
   - C. WITH THREE 30 INCH THREE DIGIT SIGNS.
3. ALL HOLES SHALL BE 7/16" DIAMETER. FOR OTHER SIGN COMBINATIONS THAN ABOVE, THE FRAME DIMENSIONS AND HOLE SPACING SHALL BE MODIFIED AS NECESSARY. THE FRAME SHALL BE PAINTED WITH ONE COAT OF PRIMER AND A SECOND COAT OF BLACK PAINT. THE PAINT SHALL BE OF THE TYPE USED ON EXTERIOR METAL SURFACES TO PREVENT METAL CORROSION.
4. ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.
5. FRAMES SHALL BE CONSTRUCTED OF 5/16" x 1 1/2" A-36 STEEL.
6. ALL OVERLAPPED CONNECTIONS SHALL BE WELDED WITH TWO 1/4" WIDE FILLET WELDS, 1 1/2" LONG.

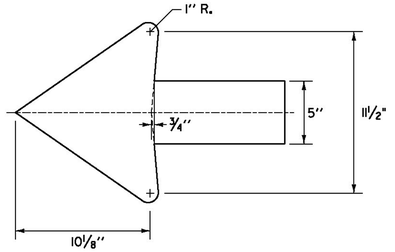
TRAFFIC SIGN NOTES

1. ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS REFERENCED IN THESE PLANS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) UNLESS OTHERWISE DETAILED WITHIN THESE PLANS.
2. ALL COLORS SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND APPROVED BY FHWA UNLESS OTHERWISE NOTED.
3. ALL SHEETING SHALL BE TYPE III MINIMUM PER SUBSECTION 750.08 RETROREFLECTIVE SHEETING.
4. ALL STREET NAME SIGNS ARE TWO-SIDED UNLESS NOTED OTHERWISE.
5. WHEN INSTALLING STREET NAME SIGNS (D3-1) USE 12" BRACKETS.
6. UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIALS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

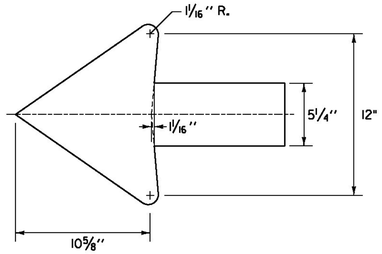
SIZES			36" X 12"	
		24" X 10"	36" X 15"	
		24" X 12"	42" X 12"	
		30" X 12"	48" X 12"	
		24" X 18"	36" X 18"	
		24" X 24"	54" X 12"	48" X 18"
		24" X 30"	36" X 24"	48" X 24"
	9" X 12"	30" X 15"	30" X 42"	48" X 30"
	12" X 12"	30" X 18"	36" X 36"	48" X 42"
	18" X 18"	30" X 30"	36" X 48"	48" X 48"
	21" X 15"	30" X 42"	36" X 54"	48" X 60"
THICKNESS	0.080"	0.080"	0.100"	0.125"



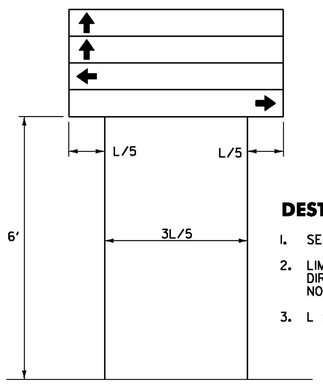
STANDARD SHSM 2.25" ARROW



STANDARD SHSM 5" ARROW



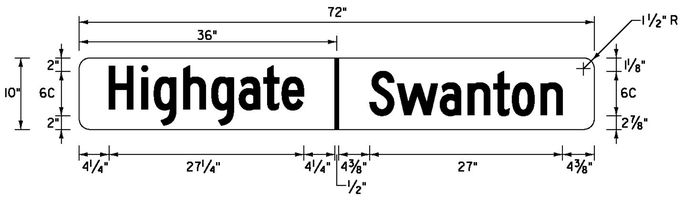
STANDARD SHSM 5.25" ARROW



DESTINATION ASSEMBLY

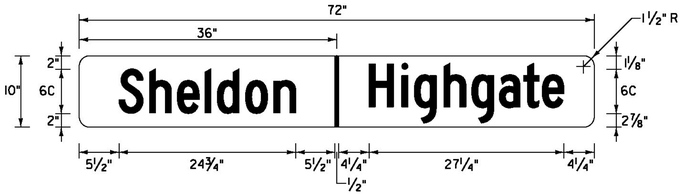
DESTINATION BOARD NOTES:

1. SEQUENCE OF ARROWS AS SHOWN.
2. LIMIT TO 2 SIGNS IN EACH DIRECTION, UNLESS OTHERWISE NOTED.
3. L = LENGTH OF SIGN



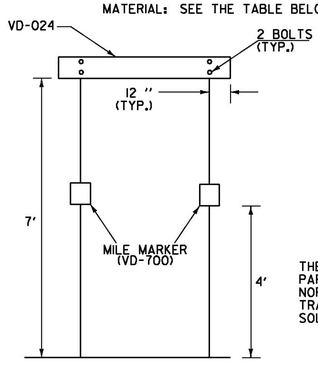
VD-024

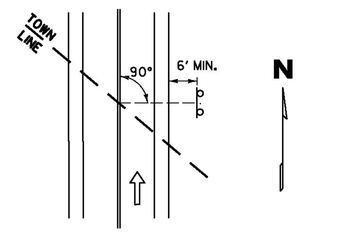
LOCATION: SWANTON STA. 429+58.08, RT / HIGHGATE STA. 0+00, RT
COLOR: WHITE DIVIDER AND TEXT (RETROREFLECTIVE) GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: SEE THE TABLE BELOW



VD-024

LOCATION: HIGHGATE STA. 408+19.43, RT / SHELDON STA. 0+00, RT
COLOR: WHITE DIVIDER AND TEXT (RETROREFLECTIVE) GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: SEE THE TABLE BELOW





THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

℄ WHEN CROSSING COUNTY BOUNDARIES AN ADDITIONAL COUNTY LINE SIGN (VD-025) SHALL BE MOUNTED BELOW THE TOWN LINE SIGN (VD-024) MAINTAINING A SEVEN FOOT CLEARANCE.

TOWN LINE SIGN NOTES:

1. WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
2. DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
3. ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
4. THE SIGN BASE MATERIAL SHALL BE FLAT SHEET ALUMINUM 0.125" MINIMUM THICKNESS. THE RETROREFLECTIVE MATERIAL SHALL BE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE LEGEND SHALL BE CUT-OUT RETROREFLECTIVE LEGEND. ALL RETROREFLECTIVE MATERIAL SHALL BE EQUAL TO OR EXCEEDING THE "THE AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM) D 4956 TYPE III.
5. SIGNS SHALL HAVE A RETROREFLECTIVE WHITE LEGEND ON A RETROREFLECTIVE GREEN BACKGROUND.
6. LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.

NOT TO SCALE

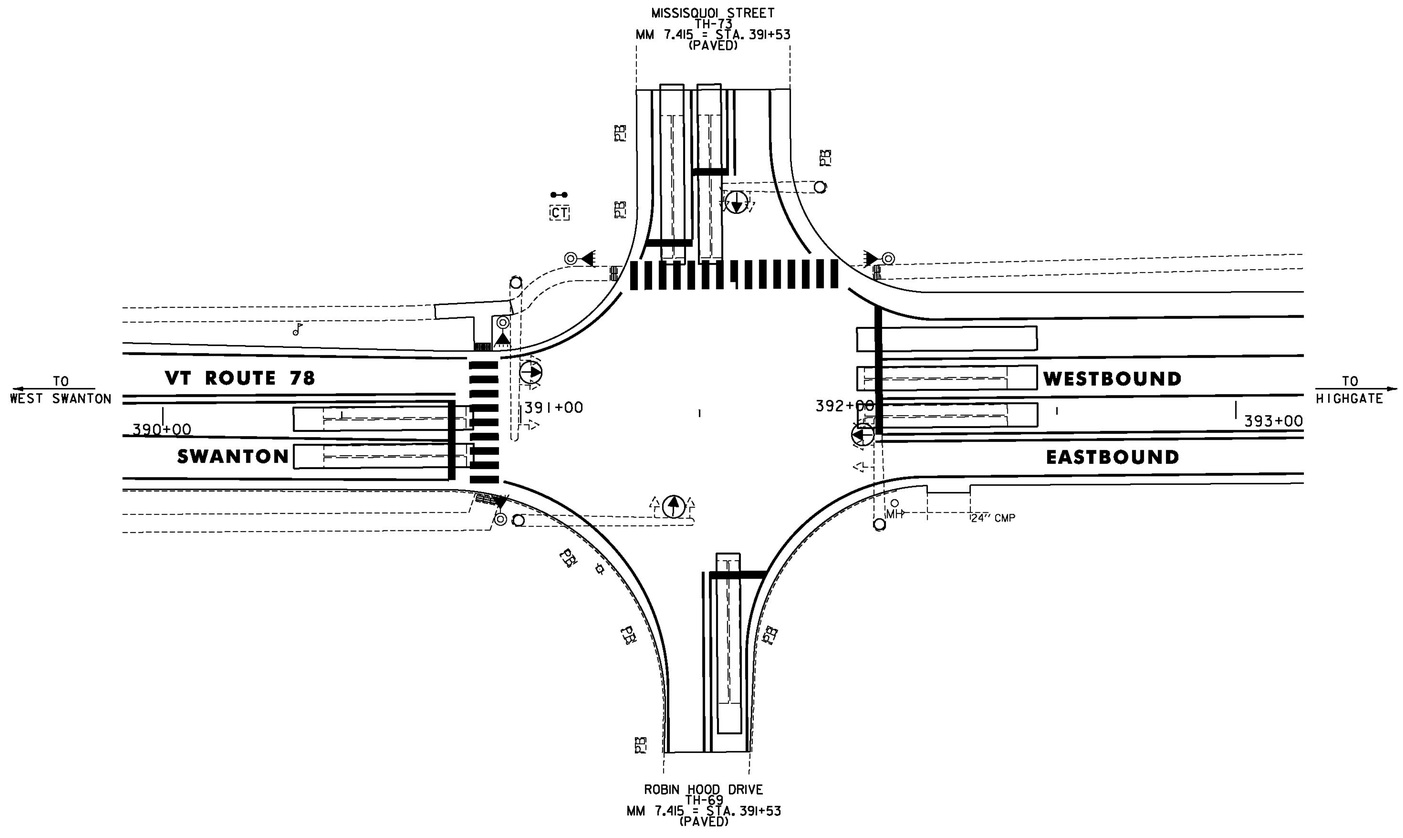
Stantec

TRAFFIC SIGN DETAIL SHEET #8

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 119 OF 121

VT ROUTE 78 / ROBIN HOOD DRIVE INTERSECTION



ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 78 @ ROBIN HOOD DRIVE) SWANTON STA. 391+53		
QUANTITY	UNIT	DESCRIPTION
4	EA	DETECTOR ASSEMBLY
555	LF	DETECTOR CABLE
4	EA	DETECTOR MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)

ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (VT ROUTE 78 @ ROBIN HOOD DRIVE) SWANTON STA. 391+53		
QUANTITY	UNIT	DESCRIPTION
4	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
4	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY (SEE NOTE 3)

LEGEND	
DESCRIPTION	
CT	EXISTING CONTROLLER CABINET
	EXISTING POLE
	EXISTING LOOP DETECTOR
	DETECTION AREA
	PROPOSED DETECTOR
	EXISTING VEHICLE SIGNAL
PB	EXISTING PULL BOX
	PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL

NOTES:

1. THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE ENGINEER PRIOR TO INSTALLATION. THE ACTUAL STOP BAR DETECTOR LOCATION WILL BE DETERMINED BASED ON THE OPTIMAL LOCATION FOR THE TYPE OF DETECTOR SELECTED. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY AND FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED FOR INSTALLATION SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 78 @ ROBIN HOOD DRIVE). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678 OF THE 2011 EDITION OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. FOR INFORMATION REGARDING THE INSTALLATION OF ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLIES (ORIENTATION, HEIGHT, ETC.), SEE SECTION 4E.08 PEDESTRIAN DETECTORS IN THE 2009 MUTCD.
4. VEHICLE STOP BAR DETECTION UNIT SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
5. DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
6. EXISTING VEHICLE LOOP DETECTORS SHALL BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. PAYMENT SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VEHICLE STOP BAR DETECTION SYSTEM) (VT ROUTE 78 @ ROBIN HOOD DRIVE).

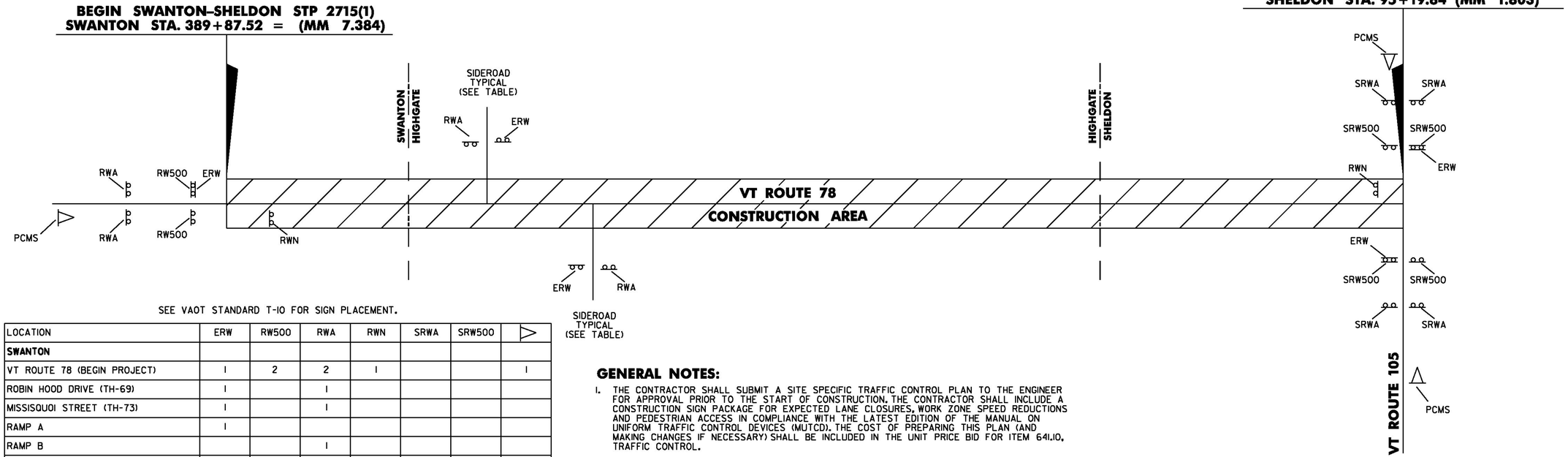
NOT TO SCALE

Stantec

TRAFFIC SIGNAL SYSTEMS SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(I)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 120 OF 121



SEE VAOT STANDARD T-10 FOR SIGN PLACEMENT.

LOCATION	ERW	RW500	RWA	RWN	SRWA	SRW500	▷
SWANTON							
VT ROUTE 78 (BEGIN PROJECT)	1	2	2	1			1
ROBIN HOOD DRIVE (TH-69)	1		1				
MISSISQUOI STREET (TH-73)	1		1				
RAMP A	1						
RAMP B			1				
RAMP C			1				
RAMP D	1						
FRONTAGE ROAD (TH-9)	1		1				
WAUGH FARM ROAD (TH-17)	1		1				
TORRIE DRIVE (TH-59)	1		1				
HIGHGATE							
AIRPORT ROAD	1		1				
THERRIEN ROAD (TH-38)	1		1				
CARTER HILL ROAD (TH-1)	1		1				
VT ROUTE 207 (HIGHGATE ROAD)	1		1		1	1	1
MILL HILL ROAD (TH-64)	1		1				
ST ARMAND ROAD (TH-6)	1		1				
MILL HILL (TH-56)	1		1				
VT ROUTE 207 (GORE ROAD) (TH-2)	1		1		1	1	1
DECATUR STREET (TH-21)	1		1				
CROSS STREET (TH-31)	1		1				
FRANKLIN ROAD (TH-3)	1		1				
LAMKIN STREET (TH-5)	1		1				
HANNA ROAD (TH-62)	1		1				
MACHIA ROAD (TH-4)	1		1				
SHELDON							
RICE HILL ROAD (TH-9)	1		1				
SHAWVILLE ROAD (TH-1)	1		1				
VT ROUTE 78 (END PROJECT)				1			
VT ROUTE 105	2				4	4	2
TOTALS	26	2	25	2	6	6	5

LEGEND

ERW	= END ROAD WORK
RW500	= ROAD WORK 500 FT
RWA	= ROAD WORK AHEAD
RWN	= ROAD WORK NEXT 10 1/2 MILES
SRWA	= SIDE ROAD WORK AHEAD
SRW500	= SIDE ROAD WORK 500 FT
▷	= PORTABLE CHANGEABLE MESSAGE SIGN

GENERAL NOTES:

1. THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES, WORK ZONE SPEED REDUCTIONS AND PEDESTRIAN ACCESS IN COMPLIANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). 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 CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED, AND THEIR PROPOSED LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER IN ADVANCE FOR APPROVAL. THE PCMS SHOULD BE RELOCATED AS DETERMINED BY THE ENGINEER TO PROVIDE WORK ZONE TRAVEL INFORMATION THAT IS OTHERWISE DIFFICULT TO CONVEY WITH STATIC SIGNS. THE COST OF PROVIDING THESE MESSAGE SIGNS AND THEIR RELOCATION IF NECESSARY SHALL BE PAID UNDER ITEM 641.15, PORTABLE CHANGEABLE MESSAGE SIGN.
3. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE BUT IS NOT LIMITED TO 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 THE MUTCD AND VAOT STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED.
4. THE LATEST EDITION OF THE MUTCD SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS 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.
5. 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. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED.
6. SEE VAOT STANDARD T-10 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
7. CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MUTCD, AND AS OUTLINED IN THE SPECIAL PROVISIONS.
8. CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
9. DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
10. RETROREFLECTIVE SHEETING SHALL BE AS NOTED ON VAOT STANDARD T-1 AND IN SUBSECTION 750.08.
11. WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
12. AS THE CONSTRUCTION OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 500 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
13. BARRELS AND CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
14. FOR LANE CLOSURES GREATER THAN 1/2 MILE LONG, PLACE ONE TYPE III BARRICADE ACROSS THE CLOSED LANE AT 1500 FOOT INTERVALS.
15. FOR TRAFFIC CONTROL GENERAL NOTES, SEE VAOT STANDARD T-1.
16. ACCESS TO DRIVES FOR BUSINESSES MUST BE MAINTAINED AT ALL TIMES.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MUTCD, PART 6.
2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHOULD BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
4. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF THE MUTCD SHALL BE USED.
5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND TPAR HAVE BEEN PROVIDED.
7. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPAR'S AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. PAYMENT FOR DEVELOPING, IMPLEMENTING, AND MAINTAINING THE TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10.

NOT TO SCALE

Stantec

CONSTRUCTION APPROACH SIGNING SHEET

PROJECT NAME: SWANTON-SHELDON
PROJECT NUMBER: STP 2715(1)

FILE NAME: p07c186.dgn
PROJECT LEADER: G. EDWARDS
DESIGNED BY: G. BARRETT
PLOT DATE: 4/24/2014
DRAWN BY: G. BARRETT
CHECKED BY: M. FOISY
SHEET 121 OF 121

SIGNALS RYG, INC.
80 AUSTIN DRIVE UNIT 263
BURLINGTON, VERMONT 05401

(802) 864-4630
FAX (802) 864-7104

LETTER OF TRANSMITTAL

DATE	JOB NO.
July 14,2014	
ATTENTION: Traffic Design	
RE: Swanton/Sheldon STP 2715 (1)	

TO Vermont Agency Of Transportation
One National Life Building
Montpelier, Vermont 05633-5001

WE ARE SENDING YOU ☐ Attached ☐ Under separate cover via _____ the following items:

☒ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
6.			Vehicle Presence Detection System By Traficon
6.			Pedestrian Push Buttons By Polara
6.			Pedestrian Signal Heads By Traffic Parts
6.			LED H/M/CD By Duralight

THESE ARE TRANSMITTED as checked below:

☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

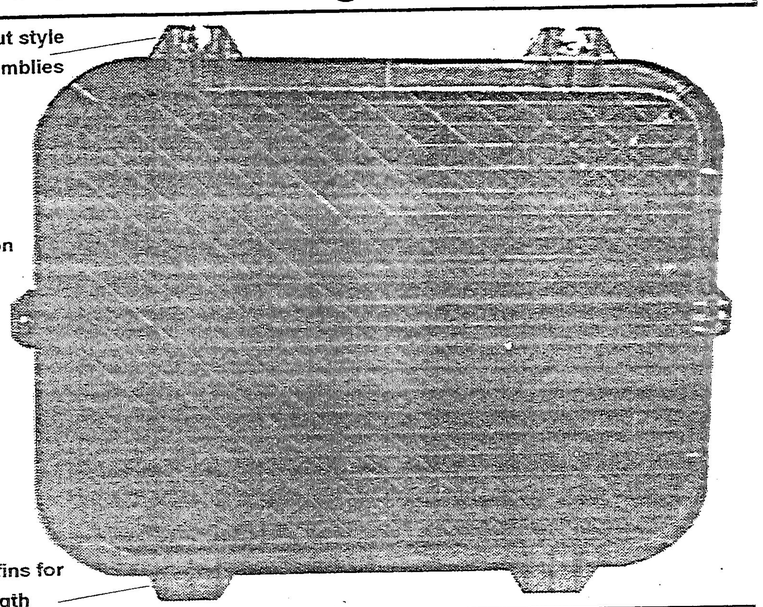
REMARKS Please Return Two Approved Copies For Release Of This Material

COPY TO file

SIGNED: H. Ted Chamberlain

If enclosures are not as noted, kindly notify us at once.

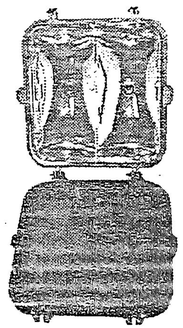
Pedestrian Signals (16")



All external hardware is stainless steel

Features:

- **Invertable design:** Door is attached using stainless steel ball pins for easy door removal and may swing from either end of the body (for left or right of door mounting).
- **One style universal maintenance housing** will fit any mounting application!
- Lens and Gasket mounted to door with four stainless steel tabs and screws using threaded brass inserts in door -- **NOT glued to the door!**
- **Rotatable sockets** (for proper lamp orientation) are standard
- **Multiple Body options:** Die cast aluminum, Polycarbonate
- **Multiple Door options:**
  - Black Polycarbonate w/integral "Z" style protectors
  - Black Polycarbonate, open style
  - Black Die cast aluminum, open style



 © Traffic Parts, Inc.

Options: | Traffic Parts, Inc.

1. Body Configuration

N=Body not drilled
C=Drilled for clamdoor mounting
P=Drilled for top/bottom pipe mount
B=Drilled for both with plugs
(Universal maintenance housing)

2. Message Configuration

N=Body + Door only
(No lens,gasket,reflector,sockets)

Conf	Hand	Man
1	Incand*	Incand*
2	LED**	Incand*
3	LED**	LED**
A	LED Side by Side (Hand/Man)	
E	LED Overlap H/M,Cntdown	
F	LED Overlap,H/M,Cntdown,I-Look	

*Lamps not included (use 60,67,69w)
**LED=Socket mount LED module

3. Lens Type

N=None (LED ready) G=Glass

4. Body/Hardware Color/Matl

Aluminum Body Options:
Y=Yellow B=Gloss Blk F=Flat Blk
G=Dk Grn L=Light Grn Z=Bronze
A=Aluminum X=Special
Polycarbonate Body Options:
P=Yellow Q=Black R=Dk Green

5. Terminal Block Type

2=5 position, 20a
3=5 position, 30a
N=None

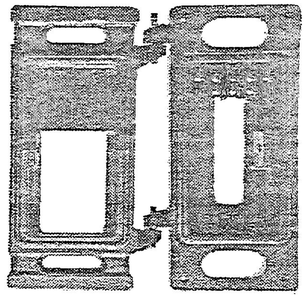
6. Mounting Hardware

N=None
2=Clamdoor 2 Mount (3 pos block)
3=Clamdoor 3 Mount (10 pos block)

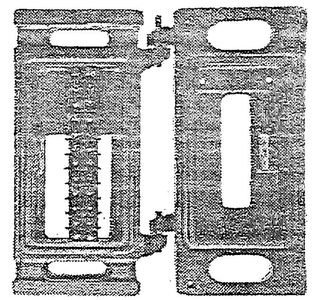
7. Visor/Door (All Black)

All visors are 6" AL tunnel, black

Door	w/o Visor	w/ Visor
Z-crate, PC	N	T
Open, PC	P	X
Open, AL	Q	Y



Clamdoor 2 Mounting



Clamdoor 3 Mounting

SSPED	-	P	N	N	-	Q	2	N	-	Q			-				-				-				
Option Category →		*1*	*2*	*3*		*4*	*5*	*6*		*7*	*8*	*9*		*10*	*11*	*12*		*13*	*14*	*15*		*16*	*17*	*18*	*19*

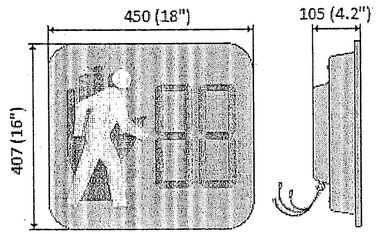
 © Traffic Parts, Inc.

DURALIGHT ®

TECHNICAL DATA

Certified by ISO9001 International Quality Control System

JXM-400VIE Series Countdown Pedestrian Lamps



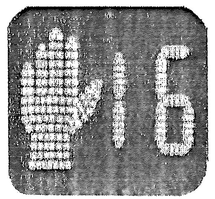


Fig. A

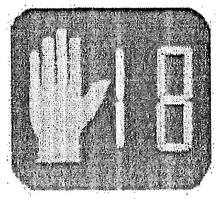


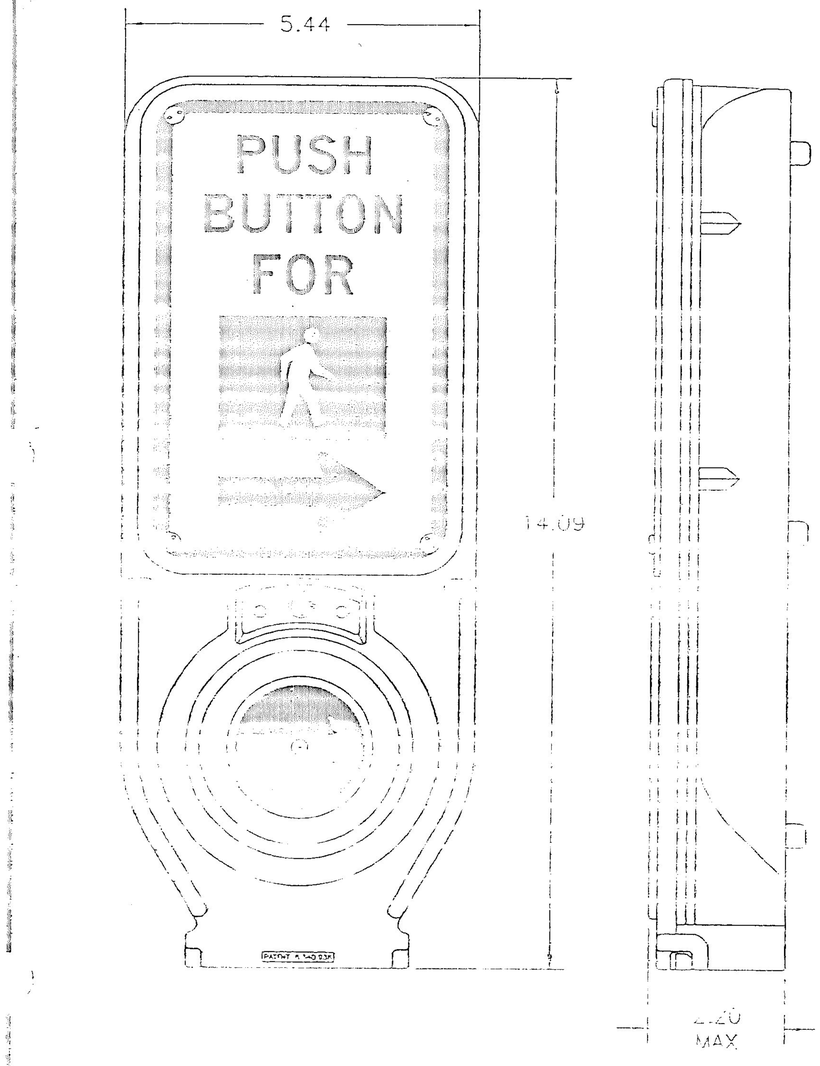
Fig. B

Model Number		JXM-400VIE	JXM-400VIEIL
Size	Inches	16" X 18"	16" X 18"
	mm	407 X 450	407 X 450
Configuration		Fig. B *Pixilated*	Fig. C *Incandescent Look*
Symbol	Hand	Full	Full
	Man	Full	Full
	Countdown	2 Digit	2 Digit
Voltage (Typical)		120V – 60Hz	120V – 60Hz
Voltage (Range)		80V – 135V	80V - 135V
Power (W) Typical	Hand	8	8
	Man	8	8
	Countdown	4	4

**Optional Operations Dipswitch*

All characteristics, including visual characters, chromaticity, moisture and vibration resistance, electronic noise, transient protection, etc., are conformed to standards specified in ITE LED Vehicle Signal Modules.

DWG. NO.
N45AN0-X



PUSH BUTTON STATION

The 2 Wire Navigator PBS is the pedestrian interface to the Navigator Accessible Pedestrian Signal. The PBS provides valuable information and cues via both a vibrating arrow button and audible sounds making the intersection accessible for all pedestrians. All sounds emanate from the back of the unit via a weather-proof speaker that is protected by a vandal resistant screen. A sunlight visible LED latches "ON" to confirm the button has been pushed. Each PBS connects to a Control Unit located inside its associated ped sign housing. A four wire cable connects the PBS to the power unit.

PBS includes:

Frame with Option "A" sign, ADA compliant push button, and mounting hardware.

By interfacing with the Control Unit that installs in the Pedestrian Walk Sign, the PBS can provide the following standard features.

- Confirmation of button push via latching LED, sound and vibration bounce.
- Direction of travel (with extended button push).
- Standard locating tone during Don't Walk (and clearance if desired).
- Cuckoo, chirp, or standard voice message during walk.
- Standard locating tone, custom sound or verbal countdown during PED clearance.
- All sounds automatically adjust to ambient over 60dB range.
- Most sounds can have minimum and maximum volume independently set
- Extended button push can turn on and/or boost volumes during the next walk cycle.

Additional custom options listed on page 2

INFORMATION ON THIS DOCUMENT IS PROPRIETARY TO POLARA AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF POLARA.

Revised - 04/24/06

REV. DATE	LTR	E.C.O. NO.	BY	CKR	ENG	DSN	MFG	QA	FNL

POLARA ENGINEERING INC.
4115 W. ARTESIA AVE. FULLERTON, CA. 92833

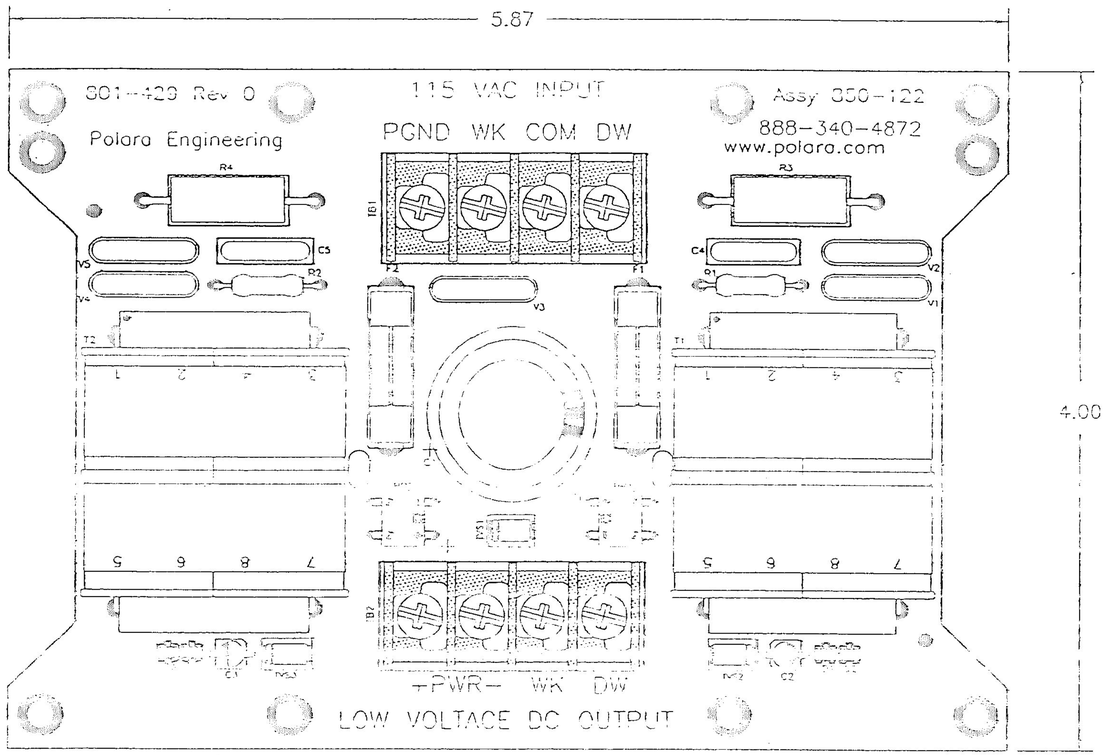
TOLERANCES: .XXX ±.005 .XX ±.02 (EXCEPT AS NOTED) | SCALE 1:3

DRAWN BY	CKR.	ENG. MGR.	MFG. MGR.	SHEET 1 OF 2
BB				
DATE 09-08-03	DSN. ENG.	Q.A. APP.	FINAL APP.	USE 4W NAV

TITLE: 2 WIRE NAVIGATOR PUSH BUTTON STATION (PBS)

DWG. NO. N45AN0-X

DWG. NO.
PHCU4W



SPECIFICATIONS

INPUT CONNECTIONS: 115VAC, Walk, Don't Walk, Common, Protective Ground, from wiring inside a pedestrian sign (Ped Head).

OUTPUT CONNECTIONS: Approximately 20 Volts DC, Positive and Negative Power, Walk and Don't Walk, to a 4 Wire Push Button Station. The PCHU4W is provided with 2 mounting brackets and hardware which allow easy mounting inside all common types of pedestrian signs. It uses two ¼ amp 5x20mm fuses. It has built in surge protection and is epoxy coated for moisture protection. There are no settings or adjustments.

INFORMATION ON THIS DOCUMENT IS PROPRIETARY TO POLARA AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF POLARA.

REV. DATE	LTR	E.C.O. NO.	BY	CKR	ENG	DSN	MFG	QA	FNL
Revised – 01/06/04									

POLARA ENGINEERING INC.
4115 W. ARTESIA AVE. FULLERTON, CA. 92833

TOLERANCES: .XXX ±.005 .XX ±.02 (EXCEPT AS NOTED)				SCALE NONE
DRAWN BY BB	CKR.	ENG. MGR.	MFG. MGR.	SHEET 1 OF 1
DATE 09-08-03	DSN. ENG.	Q.A. APP.	FINAL APP.	USE 4W NAV

TITLE: WIRE POWER UNIT
DWG. NO.: PHCU4W

DWG. NO.
N25AN0–X

Custom message and sound options definable by customer include:

- Custom locating tone
- Informational message
- Custom walk sounds/message
- Custom clearance sound
- Multiple languages (up to three, selectable by user)
- Street name in Braille on the sign

All above features along with many more are field selectable using a Configurator. With the Configurator, a single PBS or all PBS's on the intersection can be changed/updated with a single button press.

Available in three standard colors – Black, Green & Yellow
–X at end of part number specifies color:
–B = Black, –G = Green, –Y = Yellow

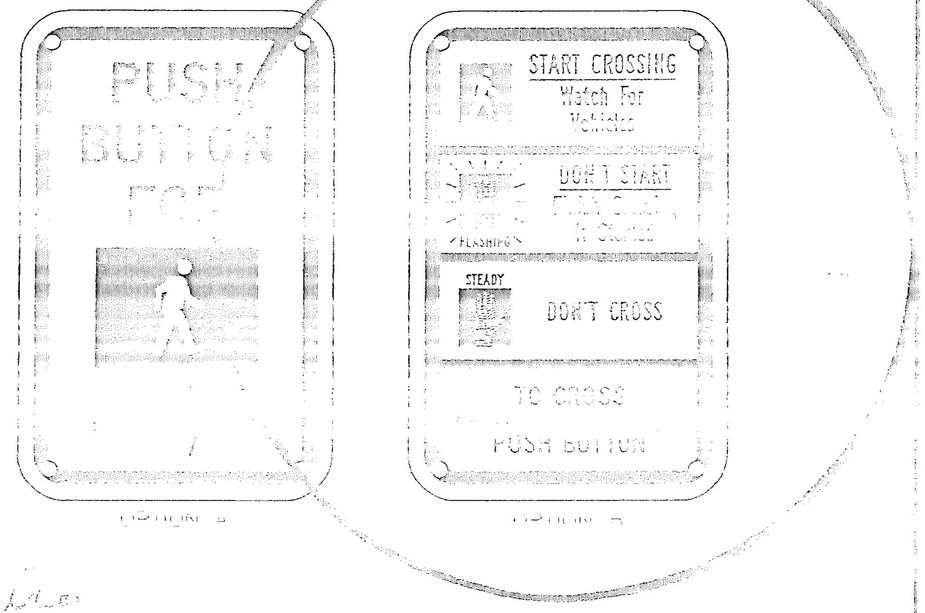
Environmental: -40°F (-40°C) to 158°F (70°C)

Push Button: ADA Compliant, raised tactile arrow on button, solid state switch rated to 20 million actuations minimum

Construction: Die-cast aluminum, powder coated

The 2 Wire Navigator is designed to operate using existing 2 (two) wire button wires (a pair of wires + and Common) for each phase with from one to a maximum of three Push Button Stations on a phase. If there is not a separate common for each phase, Polara cannot guarantee the system will work properly in all instances. Each case will have to be tried and proven because it depends upon the condition of the wires, splices, etc., and whether the common is shared with the 115V light system. In the event the 2 Wire system does not work, Polara will swap it out for a 4 Wire system as long as there is no damage to the units.

STANDARD SIGN OPTIONS



9" x 12"

INFORMATION ON THIS DOCUMENT IS PROPRIETARY TO POLARA AND SHALL NOT BE USED, COPIED, REPRODUCED OR DISCLOSED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF POLARA.

REV	REV. DATE	TOLERANCES: .XXX ±.005 .XX ±.02 (EXCEPT AS NOTED)			TITLE	DWG. NO.
ECO	DATE CREATED 03–14–03	SCALE 1:3	SHEET OF 2 2	USE	2 WIRE NAVIGATOR	N25AN0–X
	04–20–06					