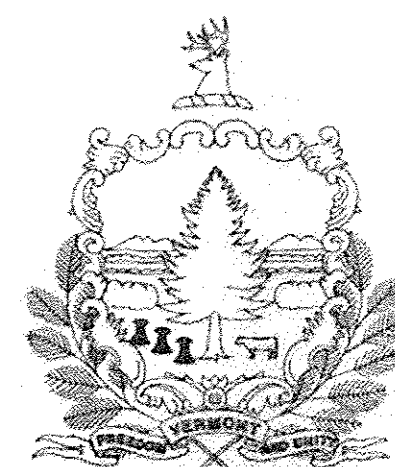


INDEX OF SHEETS

SEE SHEET 2 OF 49

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWN OF WATERBURY COUNTY OF WASHINGTON

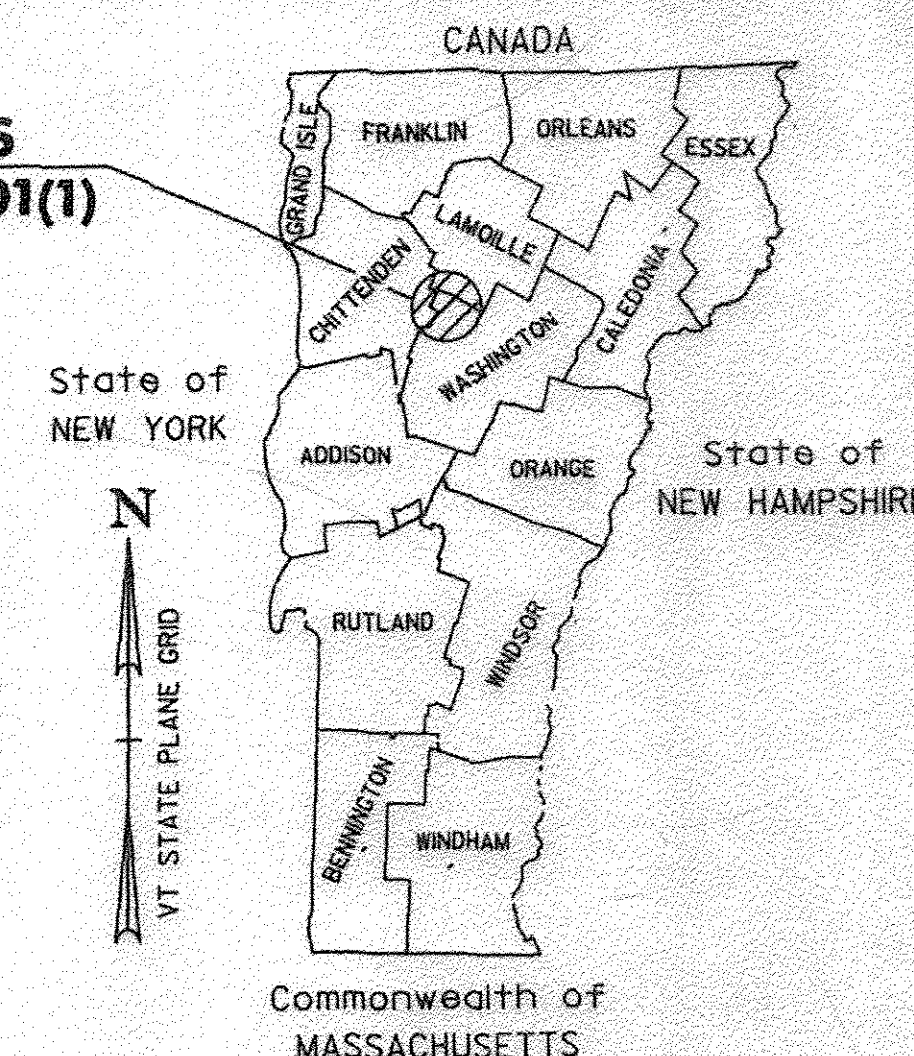
**WATERBURY
STP 2607(1)
U.S. ROUTE 2**

SEE SHEET 7 OF 49

**WATERBURY
STP 2201(1)
VT ROUTE 100**

SEE SHEET 20 OF 49

PROJECT LOCATIONS STP 2607(1) & STP 2201(1)



RECORD PLANS

CONTRACTOR: F.W. WHITCOMB CONSTRUCTION CORP. - WALPOLE, NH
RESIDENT ENGINEER: BOB SUCKERT
CONSTRUCTION BEGAN: JUNE 27, 2011
CONSTRUCTION COMPLETE: NOVEMBER 11, 2011
RECORD PLANS BY: BOB SUCKERT

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

BY *[Signature]* RESIDENT ENGINEER
DATE 7-29-15

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

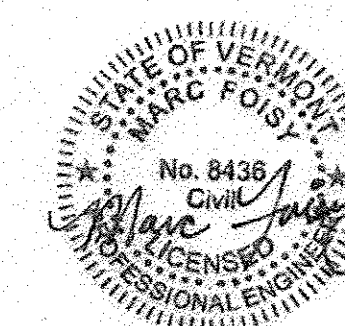
BUILT AS DESIGNED

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

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

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

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



p99b154.dgn
p99b154.ctb

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED *[Signature]* DATE 1-21-11
PROJECT MANAGER : MICHAEL FOWLER
PROJECT NAME : WATERBURY / WATERBURY
PROJECT NUMBER : STP 2607(1) / STP 2201(1)
SHEET 1 OF 49 SHEETS



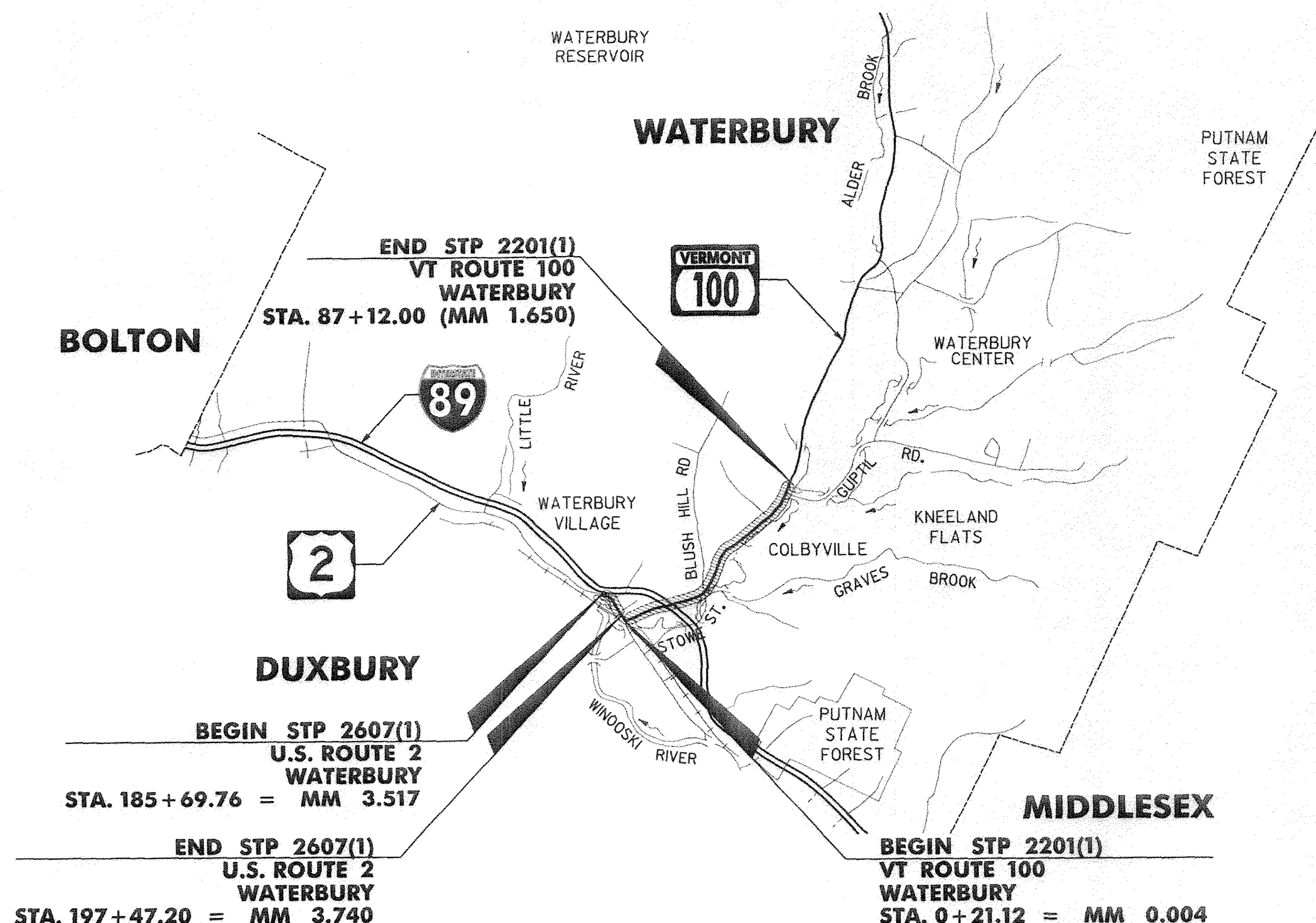
QUALITY ASSURANCE PROGRAM: LEVEL 3

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	
TOP OF CUT	
TOE OF SLOPE	

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

DATUM
VERTICAL N/A
HORIZONTAL N/A



INDEX OF SHEETS

1	COMPOSITE TITLE SHEET
2	COMPOSITE INDEX OF SHEETS & VAOT STANDARDS
3-5	COMPOSITE QUANTITY SHEETS
6	COMPOSITE CONSTRUCTION APPROACH SIGNING SHEET

WATERBURY STP 2607(1) U.S. ROUTE 2

7	TITLE SHEET
8	PROJECT TYPICAL SHEET
9-10	QUANTITY SHEETS
11	ITEM DETAIL SUMMARY SHEET
12	DRIVE DETAIL SHEET
13-15	PROJECT LAYOUT SHEETS
16-18	TRAFFIC SIGN SUMMARY SHEETS
19	CULVERT & STRUCTURE INVENTORY / MISCELLANEOUS DETAIL SHEET

WATERBURY STP 2201(1) VT ROUTE 100

20	TITLE SHEET
21-22	PROJECT TYPICAL SHEETS
23	ASPHALTIC PLUG JOINT DETAILS SHEET
24-26	QUANTITY SHEETS
27	ITEM DETAIL SUMMARY SHEET
28	DRIVE DETAIL SHEET
29	DITCH CLEANING DETAIL SHEET
30-41	PROJECT LAYOUT SHEETS
42-43	TRAFFIC SIGN SUMMARY SHEETS
44-45	VIDEO DETECTION SYSTEM SHEETS
46	GUARDRAIL DETAIL SHEET
47	BRIDGE DETAIL SHEET
48	CULVERT & STRUCTURE INVENTORY SHEET
49	MISCELLANEOUS DETAIL SHEET

VAOT STANDARDS

B-71	07-08-05
C-2A	10-14-05
C-2B	10-14-05
C-3A	03-10-08
C-3B	03-10-08
C-10	02-11-08
D-6	06-01-94
D-8	01-03-00
D-9	06-01-94
D-15	06-01-94
D-16	06-01-94
E-100	01-02-04
E-100A	01-02-04
E-101	05-30-03
E-102	06-30-03
E-102A	05-01-04
E-103	03-01-04
E-106	03-01-04
E-107	06-30-03
E-107A	06-08-09
E-108	06-08-09
E-108A	06-08-09
E-110	08-08-95
E-120	08-08-95
E-121	08-08-95
E-136A	08-08-95
E-136B	08-08-95
E-136C	08-08-95
E-138	05-30-03
E-160	05-20-99
E-161	08-18-95
E-162	05-20-99
E-163	05-20-99
E-164	06-08-09
E-171A	08-09-95
E-171B	08-09-95
E-172	08-09-95
E-175	06-08-09
E-191	02-01-99
E-192	10-12-00
E-193	08-18-95
E-197	04-01-05
E-198	04-01-05
E-199	04-01-05
G-1	01-03-00
G-1d	01-03-00
G-19	11-15-02
J-3	08-07-95
RR-1	06-01-04
SB-R4B-82	03-30-88

NOT TO SCALE



COMPOSITE INDEX OF SHEETS & VAOT STANDARDS

PROJECT NAME:	WATERBURY / WATERBURY
PROJECT NUMBER:	STP 2607(1) / STP 2201(1)
FILE NAME: p99b154.dgn	PLOT DATE: 10-JAN-2011
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p99b154cind.i	SHEET 2 OF 49

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

COMPOSITE QUANTITY SHEET 1

[illegible]

STATE OF VERMONT AGENCY OF TRANSPORTATION

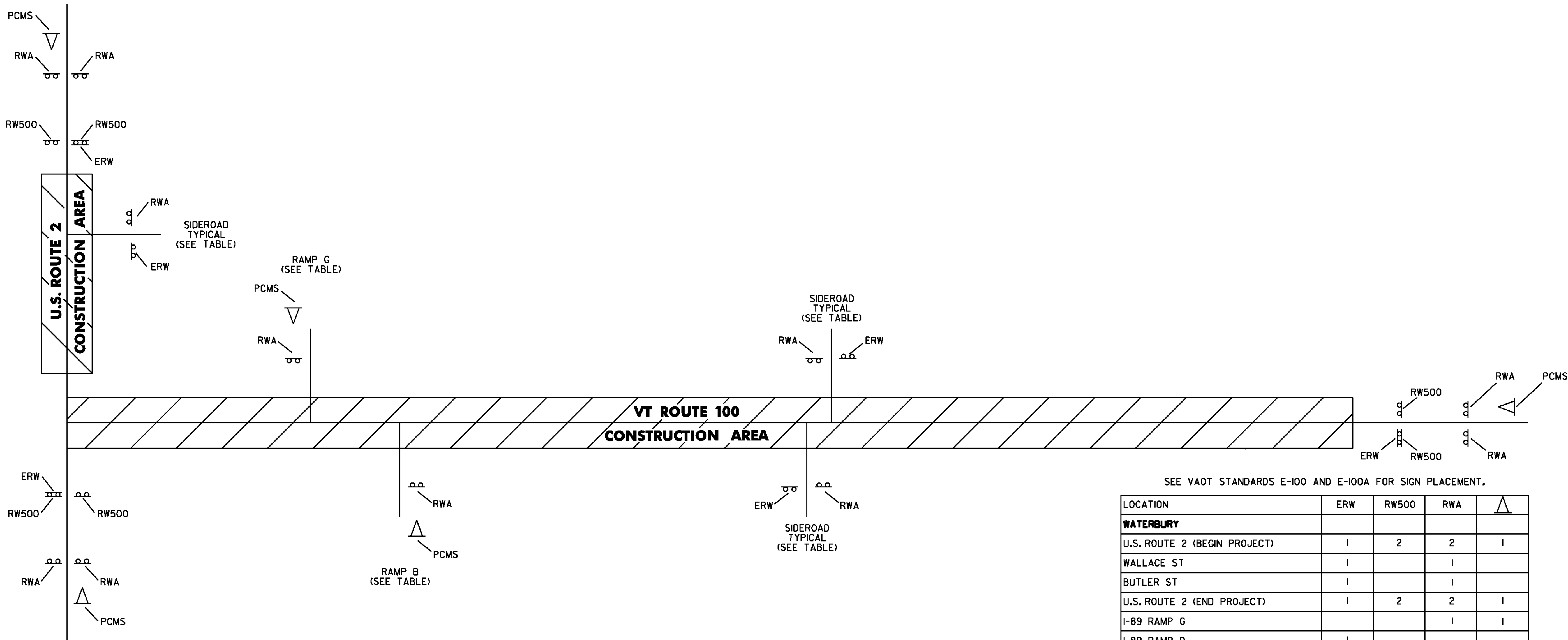
COMPOSITE QUANTITY SHEET 2

WATERBURY STP 2607 (I)				WATERBURY STP 2201 (I)					TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES			
ROADWAY	EROSION CONTROL	NON PARTICIP.	FULL C.E.	ROADWAY	BRIDGE	EROSION CONTROL	NON PARTICIP.	FULL C.E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS	
				50					50	LF	STEEL BEAM GUARDRAIL, GALVANIZED\NESTED	621.206	-				
2				18					20	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-				
				2					2	EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I	621.70	-				
				2					2	EACH	GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II	621.71	-				
617				3800					4417	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-				
4							4		8	EACH	ADJUST ELEVATION OF VALVE BOX	629.20	-				
600				1180					1780	HR	UNIFORMED TRAFFIC OFFICERS	630.10	-				
1800				3540					5340	HR	FLAGGERS	630.15	-				
			0.5					0.5	1	LS	FIELD OFFICE, ENGINEERS	631.10	-				
			0.5					0.5	1	LS	TESTING EQUIPMENT, CONCRETE	631.16	-				
			0.5					0.5	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-				
			1500					1500	3000	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-				
0.5				0.5					1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-				
1									1	LS	TRAFFIC CONTROL (STP 2607(I))	641.10	-				
				1					1	LS	TRAFFIC CONTROL (STP 2201(I))	641.10	-				
0.5				0.5					1	LS	PUBLIC RELATIONS OFFICER	641.12	-				
2				3					5	EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-				
2300				18800					21100	LF	DURABLE 4 INCH WHITE LINE, TYPE I TAPE	646.401	-				
2300				19900					22200	LF	DURABLE 4 INCH YELLOW LINE, TYPE I TAPE	646.411	-				
				1060					1060	LF	DURABLE 6 INCH WHITE LINE, TYPE I TAPE	646.421	-				
				85					85	LF	DURABLE 6 INCH YELLOW LINE, TYPE I TAPE	646.431	-				
				3800					3800	LF	DURABLE 8 INCH WHITE LINE, TYPE I TAPE	646.441	-				
				510					510	LF	DURABLE 8 INCH YELLOW LINE, TYPE I TAPE	646.451	-				
25				430					455	LF	DURABLE 24 INCH STOP BAR, TYPE I TAPE	646.481	-				
8				167					175	EACH	DURABLE LETTER OR SYMBOL, TYPE I TAPE	646.491	-				
120				70					190	LF	DURABLE CROSSWALK MARKING, TYPE I TAPE	646.501	-				
4600				37500					42100	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	-				
4550				39900					44450	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	-				
				2110					2110	LF	TEMPORARY 6 INCH WHITE LINE, PAINT	646.622	-				
				170					170	LF	TEMPORARY 6 INCH YELLOW LINE, PAINT	646.632	-				
				7600					7600	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	-				
				1010					1010	LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	-				
50				850					900	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	-				
16				334					350	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-				
250				135					385	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	-				
130				1120					1250	EACH	LINE STRIPING TARGETS	646.76	-				
				540					540	LF	PAINTED CURB	646.81	-				

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

COMPOSITE QUANTITY SHEET 3

[illegible]



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

LOCATION	ERW	RW500	RWA	△
WATERBURY				
U.S. ROUTE 2 (BEGIN PROJECT)	1	2	2	1
WALLACE ST	1		1	
BUTLER ST	1		1	
U.S. ROUTE 2 (END PROJECT)	1	2	2	1
I-89 RAMP G			1	1
I-89 RAMP D	1			
I-89 RAMP E	1			
I-89 RAMP A	1			
I-89 RAMP C	1			
I-89 RAMP B			1	1
STOWE ST	1		1	
BLUSH HILL RD	1		1	
MILL RD	1		1	
CROSSROAD RD (TH 15)	1		1	
LAUREL RD	1		1	
GUPTIL RD	1		1	
VT ROUTE 100 (END PROJECT)	1	2	2	1
TOTALS	15	6	16	5

LEGEND

- ERW
- RW500
- RWA
- △
- = END ROAD WORK
- = ROAD WORK 500 FT
- = ROAD WORK AHEAD
- = PORTABLE CHANGEABLE MESSAGE SIGN

NOT TO SCALE

COMPOSITE
CONSTRUCTION
APPROACH
SIGNING SHEET

PROJECT NAME: WATERBURY / WATERBURY
PROJECT NUMBER: STP 2607(1) STP 2201(1)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154cas.i

PLOT DATE: 13-JAN-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 6 OF 49

NOTES:

1.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, INCLUDING PEDESTRIAN ACCOMMODATIONS FOR SIDEWALK WORK, FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 64110, TRAFFIC CONTROL.
2.

PORTABLE CHANGEABLE MESSAGE SIGNS ARE OPTIONAL AND ARE TO BE USED AS DIRECTED BY THE VAOT RESIDENT ENGINEER. CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE SIGNS WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED SHALL BE SUBMITTED TO THE RESIDENT ENGINEER IN ADVANCE FOR APPROVAL. THE COST OF PROVIDING THESE MESSAGE SIGNS SHALL BE PAID UNDER ITEM 64115, PORTABLE CHANGEABLE MESSAGE SIGN.
3.

THE BID PRICE FOR TRAFFIC CONTROL, ITEM 64110, SHALL INCLUDE ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED.
4.

THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (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.
6.

ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED. THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 64110, TRAFFIC CONTROL.
7.

THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH THE LATEST EDITION OF THE MUTCD. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 64110, TRAFFIC CONTROL.
8.

ADA ACCESSIBLE PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED AT ALL TIMES WHERE PEDESTRIAN FACILITIES EXIST. THE PAYMENT FOR WHICH SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 64110, TRAFFIC CONTROL.
9.

SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
10.

CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
11.

CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
12.

DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
13.

RETROREFLECTIVE SHEETING SHALL BE AS NOTED IN THE SPECIAL PROVISIONS.
14.

CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.
15.

WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOM OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
16.

AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
17.

CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
18.

CONSTRUCTION SHALL BE RESTRICTED SO THAT QUEUING ON INTERSTATE RAMPS DOES NOT EXTEND ONTO INTERSTATE OR AS DIRECTED BY RESIDENT ENGINEER.
19.

UNIFORMED TRAFFIC OFFICERS SHALL BE USED TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS NEEDED. FLAGGERS MAY ONLY STOP AND RELEASE TRAFFIC AND DO NOT HAVE THE AUTHORITY TO CONTRADICT SIGNAL INDICATIONS.



STATE OF VERMONT
AGENCY OF TRANSPORTATION

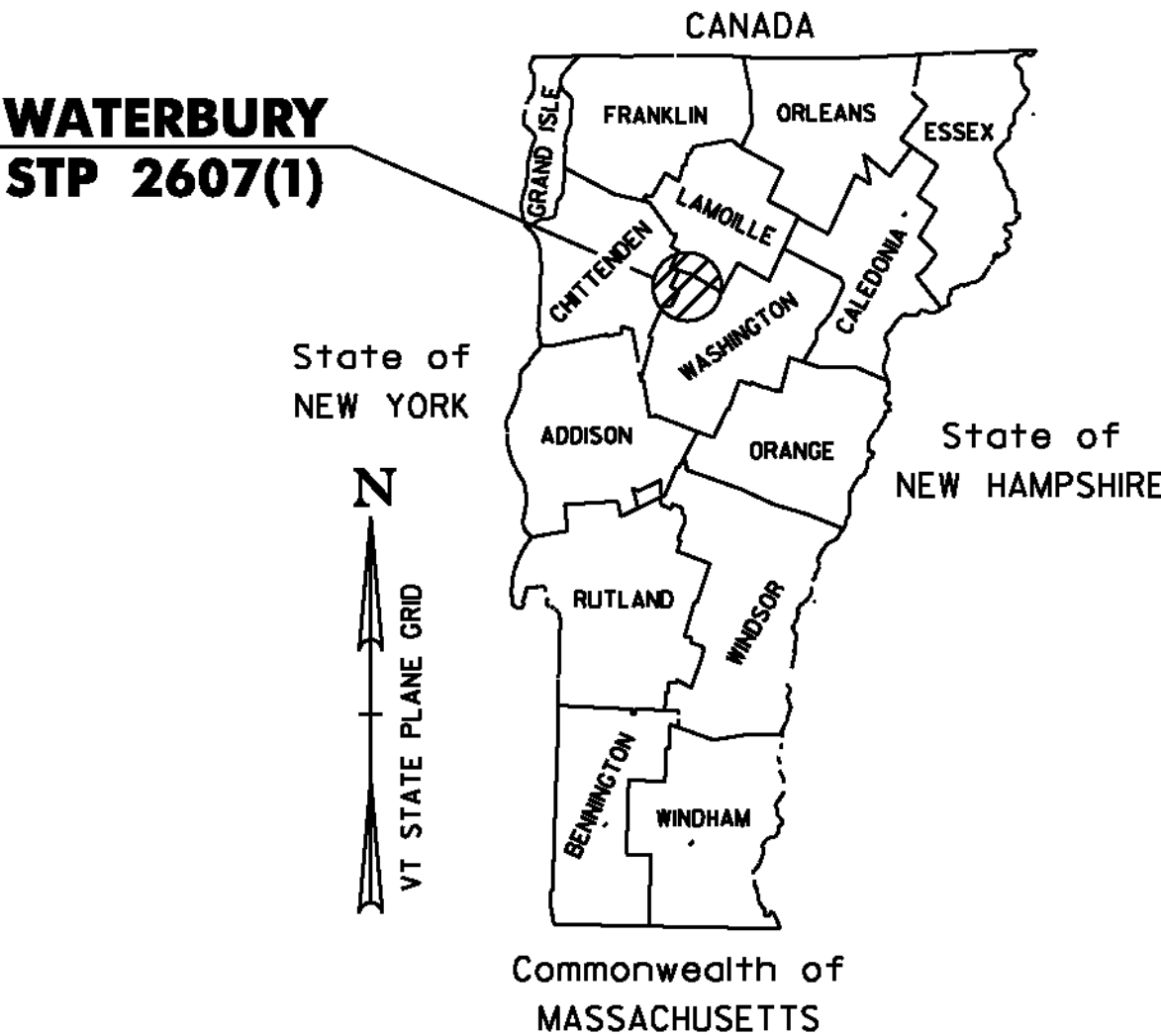


PROPOSED IMPROVEMENT
CLASS 1 TOWN HIGHWAY
TOWN OF WATERBURY
COUNTY OF WASHINGTON
U.S. ROUTE 2

BEGINNING IN THE TOWN OF WATERBURY ON U.S. ROUTE 2 AT STA. 185+69.76 (MM 3.517) AND EXTENDING EASTERLY
ALONG U.S. ROUTE 2 FOR A DISTANCE OF 1,177.44 FEET (0.223 MILES) TO STA. 197+47.20 (MM 3.740).

PROJECT DATA:	LENGTH	LENGTH
TOWN OF WATERBURY	(FEET)	(MILES)
U.S. ROUTE 2		
STA. 185+69.76 TO 197+47.20	1,177.44	
MM 3.517 TO 3.740		0.223
TOTAL LENGTH OF PROJECT:	1,177.44	0.223
TOTAL LENGTH OF ROADWAY:	1,177.44	0.223

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



SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	323,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS

TRAFFIC DATA
U.S. ROUTE 2

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011 - 2021	2011 - 2021
BEGIN PROJECT MM 3.517 TO	6400	6600	720	740	646,000	1,620,000
END PROJECT MM 3.740						

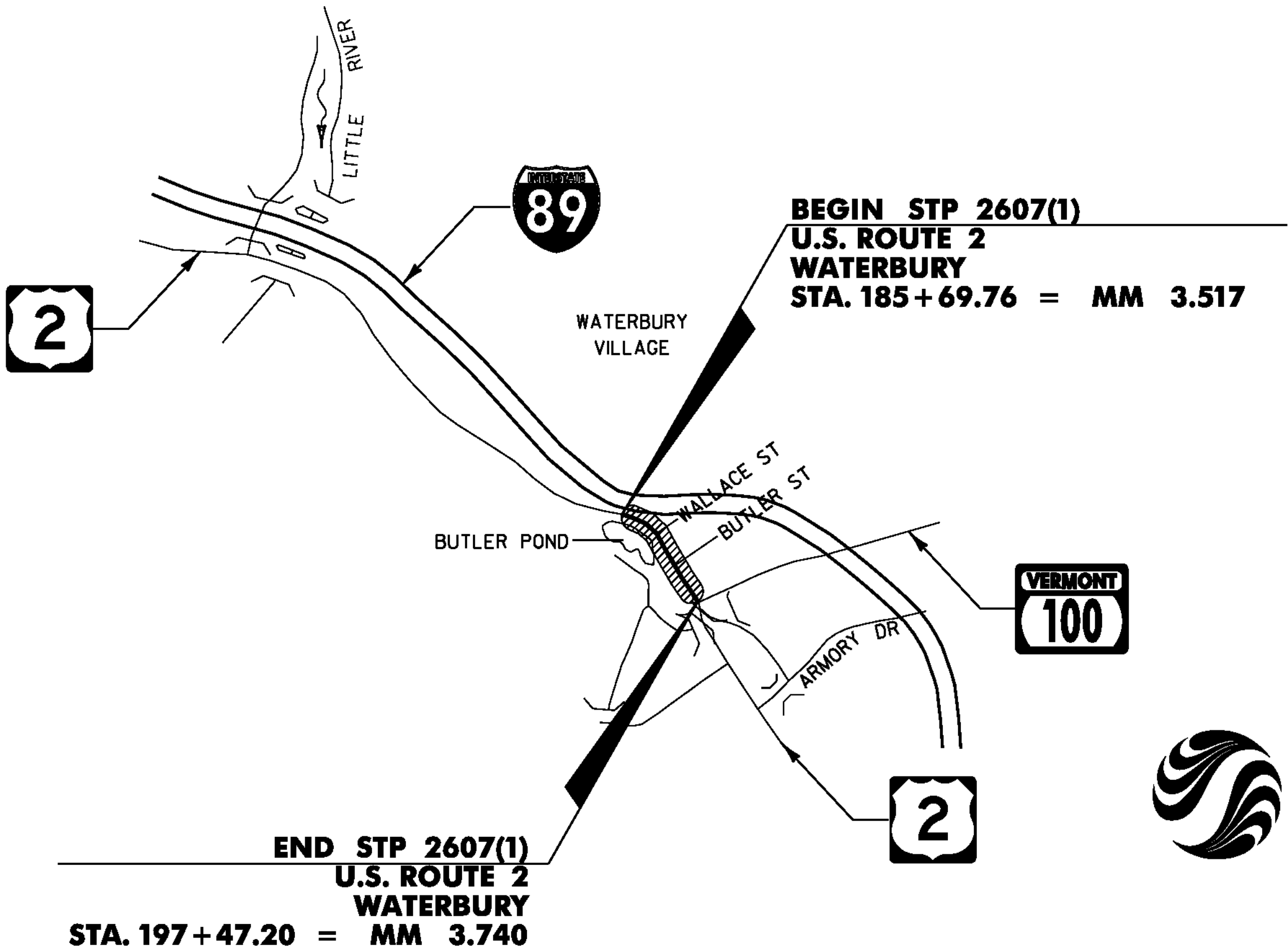
QUALITY ASSURANCE PROGRAM: LEVEL 3

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	
TOP OF CUT	
TOE OF SLOPE	

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

DATUM
VERTICAL N/A
HORIZONTAL N/A



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

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

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

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



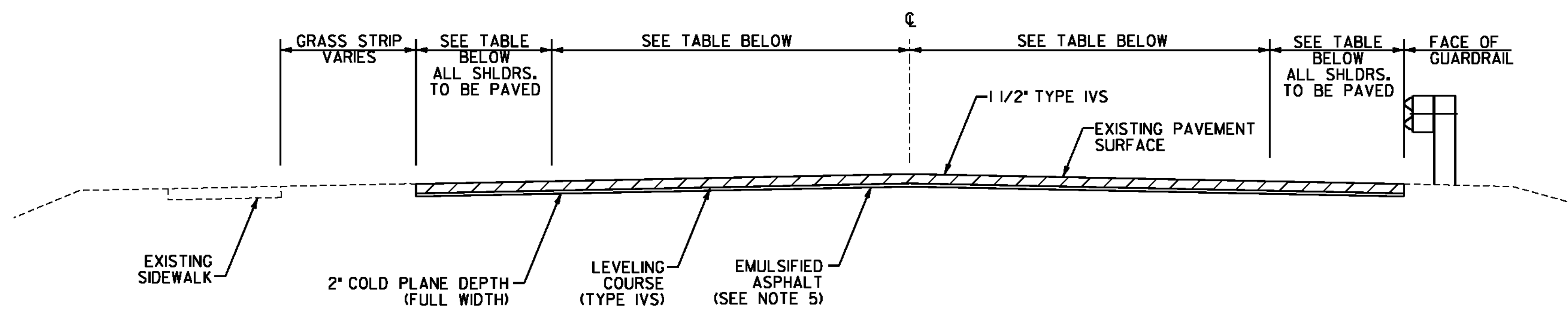
Stantec
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

p06b038.dgn
p06b038.ts.i

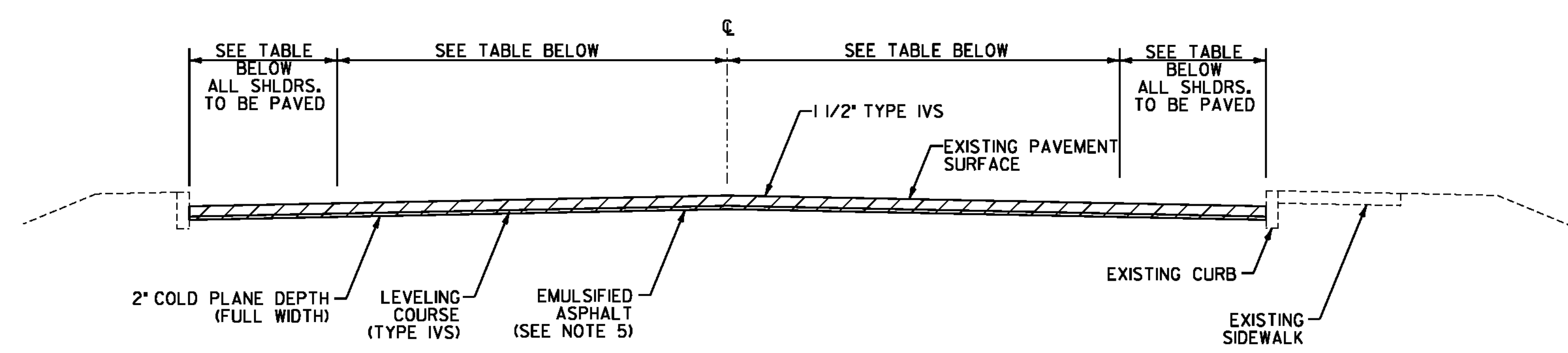
PROJECT MANAGER : MICHAEL FOWLER

PROJECT NAME : WATERBURY
PROJECT NUMBER : STP 2607(1)

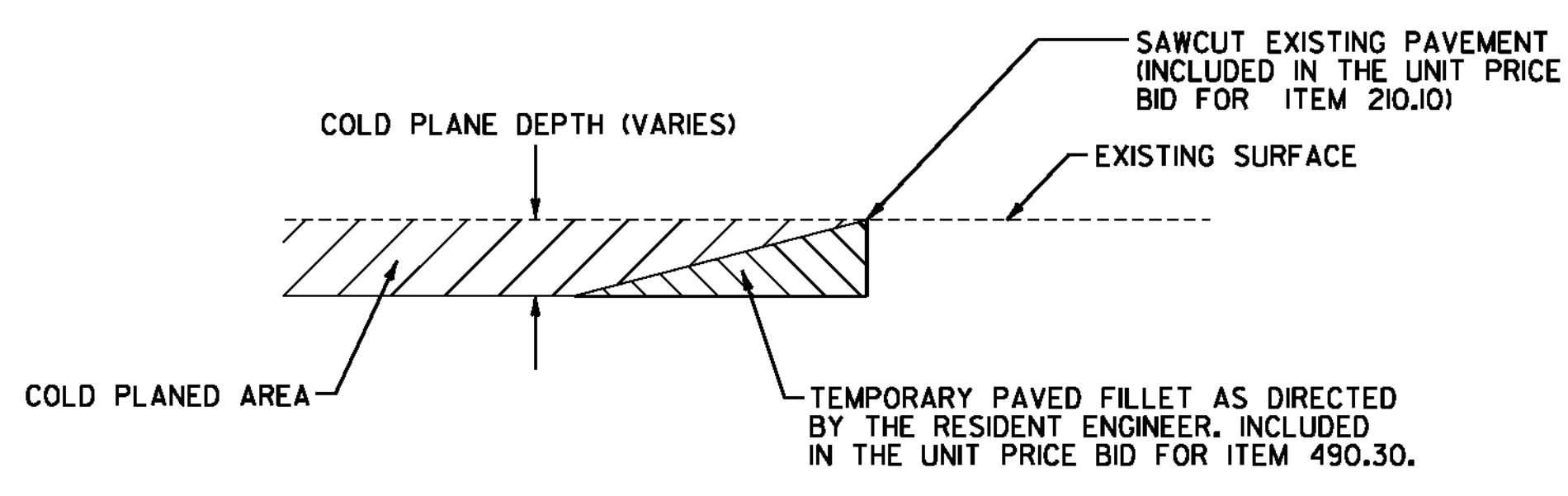
SHEET 7 OF 49 SHEETS



COLD PLANE TYPICAL SECTION - UNCURBED
U.S. ROUTE 2 WATERBURY STA. 185+69.76 TO 195+79



COLD PLANE TYPICAL SECTION - CURBED
U.S. ROUTE 2 WATERBURY STA. 195+79 TO 197+47.20



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

FULL ROADWAY WIDTH
STA. 185+69.76 (BEGIN PROJECT)
STA. 192+06.11 (WALLACE ST.)
STA. 195+52.11 (BUTLER ST.)
STA. 197+47.20 (END PROJECT)

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
U.S. ROUTE 2	185+69.76	187+15	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	187+15	188+65	6'-0" - 11'-0" - 11'-0" - 3'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	188+65	191+20	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	191+20	191+84	2'-0" - 11'-0" - 11'-0" - 8'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	191+84	192+28	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	192+28	195+00	0'-6" - 11'-0" - 11'-0" - 1'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	195+00	195+79	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	195+79	196+75	8'-0" - 11'-0" - 11'-0" - 1'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
U.S. ROUTE 2	196+75	197+47.20	VARIES - SEE LAYOUT SHEET	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS

NOTES

- THIS PROJECT IS IDENTIFIED AS A LEVEL 3 PROJECT IN ACCORDANCE WITH THE CURRENT EDITION OF THE AGENCY'S QUALITY ASSURANCE PROGRAM.
- THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
- EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- 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 THIS SHEET.
- PUBLIC, PRIVATE OR FIELD DRIVES, AS SHOWN ON LAYOUTS, SHALL RECEIVE A MINIMUM 4' PAVED APRON PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE NOTED OR DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES FROM THE AGENCY'S APPROVED PRODUCT LIST.
- AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
- A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II, AND ITEM 604.40 CHANGING ELEVATION OF DI, CB, OR MH HAS BEEN INCLUDED TO BE USED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DRAINAGE STRUCTURES HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.40, 604.412 AND 604.415 FOR ESTIMATING PURPOSES.
- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.

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			

SEED NOTES

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

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

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

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

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

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

NOT TO SCALE

**PROJECT
TYPICAL
SHEET**



PROJECT NAME: WATERBURY	PLOT DATE: 12/7/2010
PROJECT NUMBER: STP 2607(1)	DRAWN BY: STANTEC
FILE NAME: p06b038.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 8 OF 49
DESIGNED BY: STANTEC	
IPARM FILE: p06b038pts.i	

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

QUANTITY SHEET 1

[illegible]

STATE OF VERMONT
AGENCY OF TRANSPORTATION

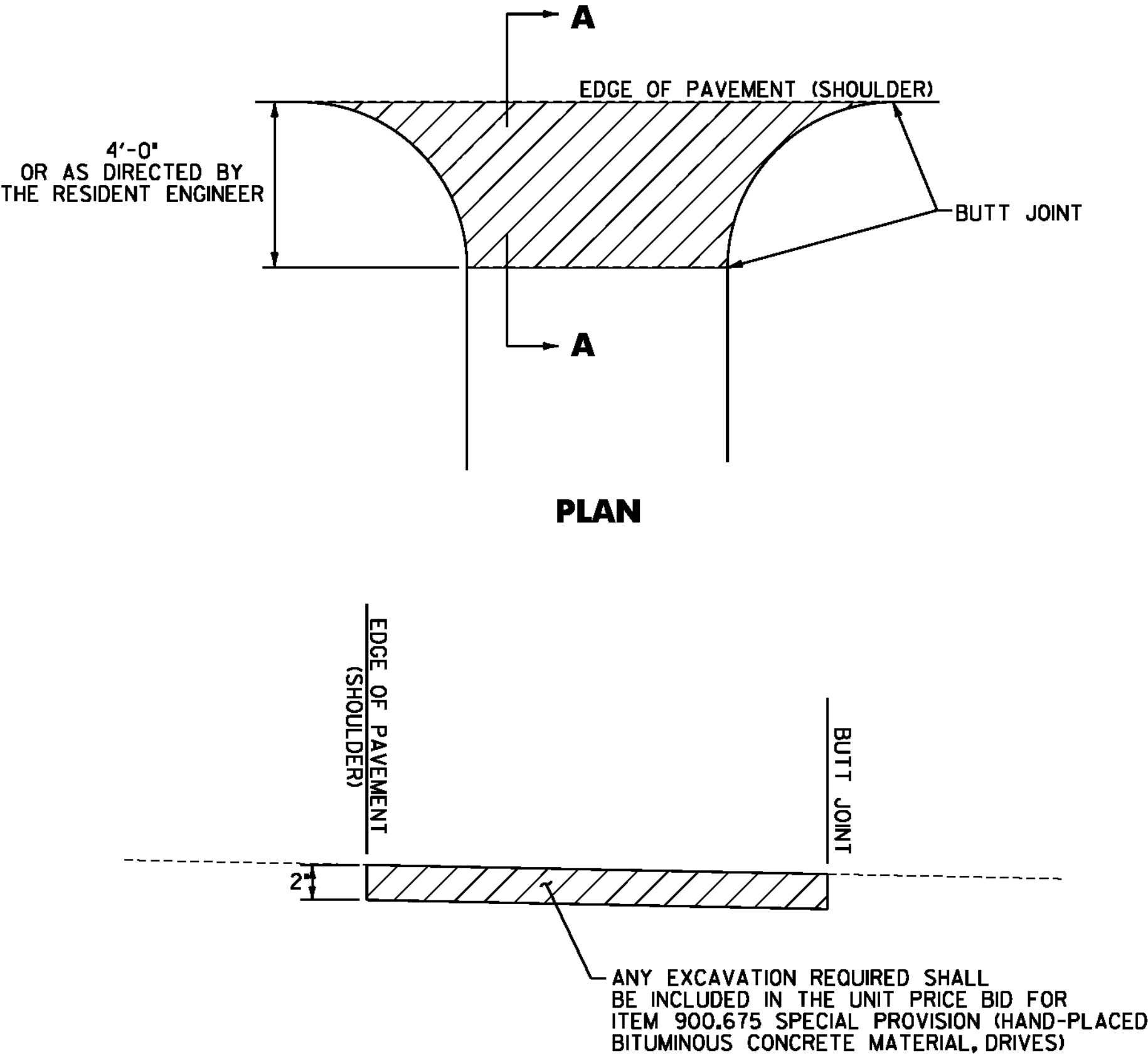
QUANTITY SHEET 2

[illegible]

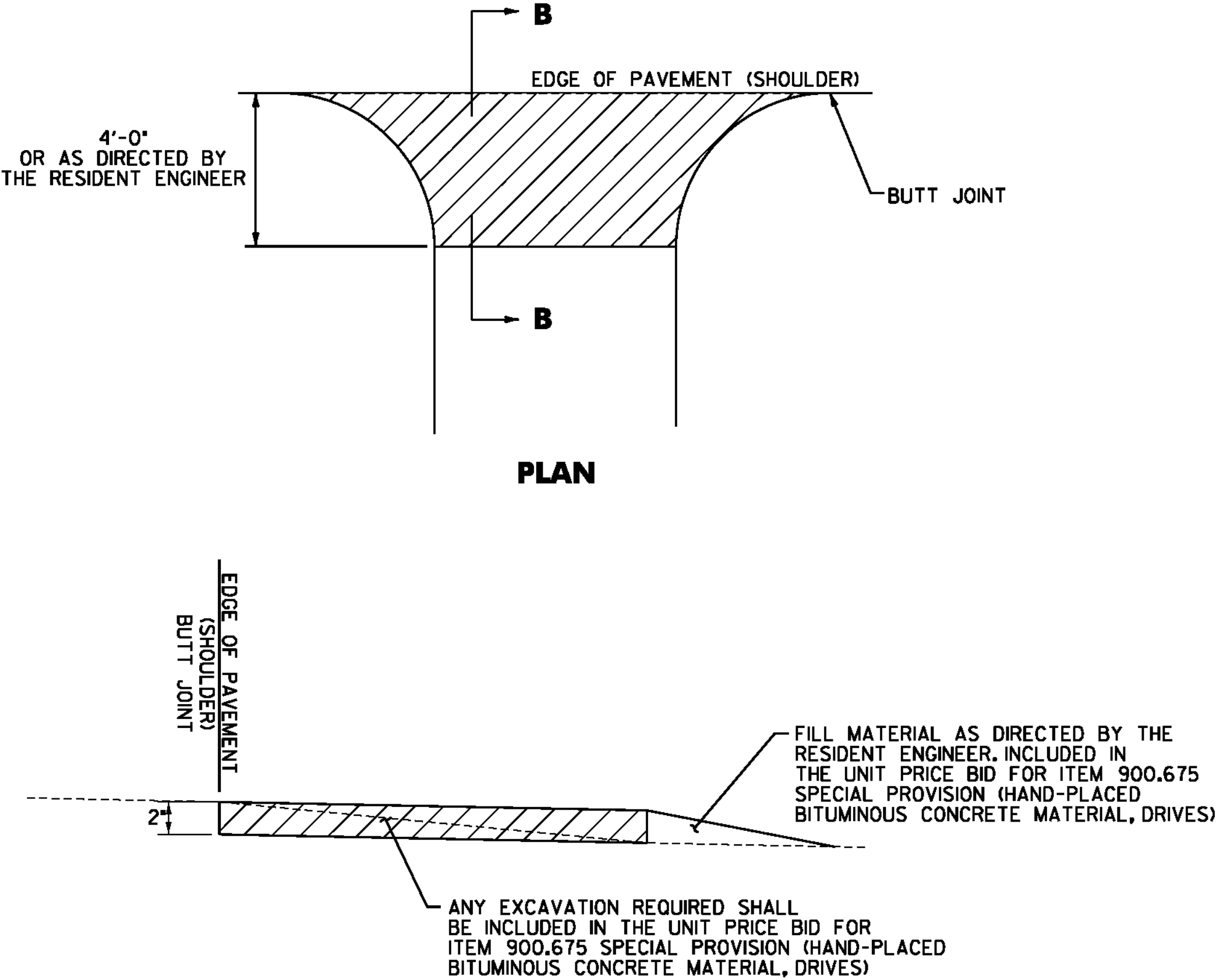
ITEM DETAIL SUMMARY SHEET

[illegible]

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 2		
WATERBURY		
188+05	LT	3
188+77	LT	8
190+34	LT	24
191+69	RT	0
192+14	RT	0
192+97	RT	12
193+55	RT	20
193+74	LT	11
194+21	RT	11
195+03	RT	20
196+11	RT	86
196+55	LT	0
196+85	RT	0
197+35	LT	0
SUBTOTAL		195
ROUNDING		2
TOTAL		197



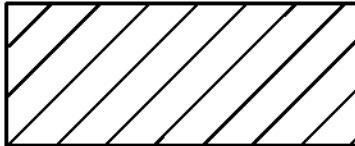
SECTION A-A
HANDWORK DETAILS FOR PAVED DRIVES



SECTION B-B
HANDWORK DETAILS FOR GRAVEL DRIVES

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

LEGEND

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

NOT TO SCALE



**DRIVE
DETAIL
SHEET**

PROJECT NAME: WATERBURY	
PROJECT NUMBER: STP 2607(1)	
FILE NAME: p06b038.dgn	PLOT DATE: 12/7/2010
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p06b038ds.i	SHEET 12 OF 49

201.31 THINNING AND TRIMMING FOR SIGNS
STA. 185+77, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 185+69.8 TO 187+19.8, LT
STA. 185+69.8 TO 189+00, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 187+19.8, LT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 185+69.8 TO 187+15, LT
STA. 185+69.8 TO 189+00, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 185+69.8 TO 189+00, SOLID LT & RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 185+69.8 TO 189+00, SOLID LT & RT

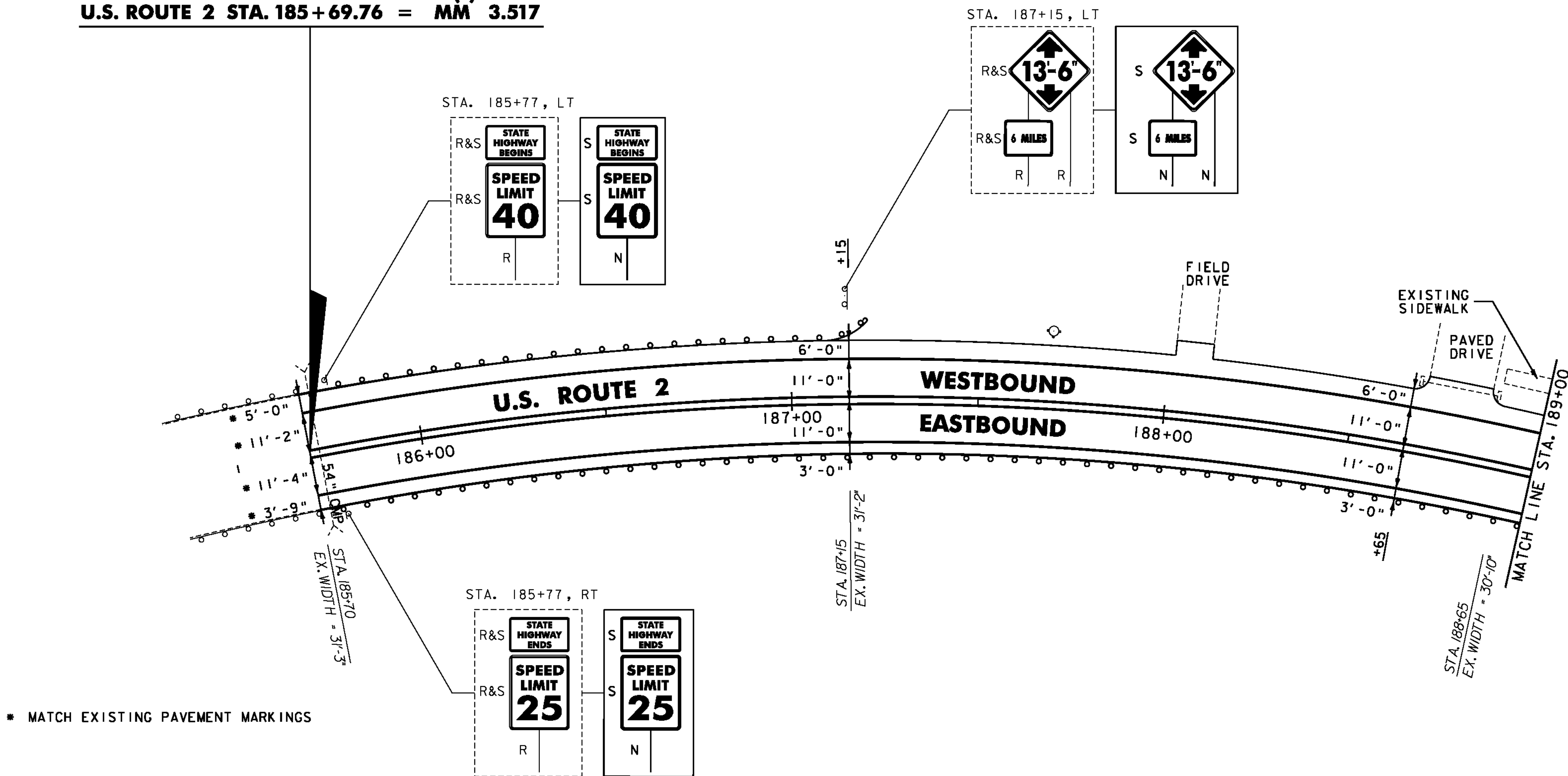
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 185+69.8 TO 189+00, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 185+69.8 TO 189+00, SOLID LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 6

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 6

BEGIN WATERBURY STP 2607(1)
U.S. ROUTE 2 STA. 185+69.76 = MM 3.517



GENERAL LEGEND

- ⊕ = EXISTING HYDRANT
- = EXISTING DI
- SMH = EXISTING SEWER MANHOLE
- WSO = EXISTING WATER SHUTOFF
- ⊕ = EXISTING UTILITY POLE
- = EXISTING GUARDRAIL
- = PROPOSED GUARDRAIL

SIGN LEGEND

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

NOTE:

1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT
LAYOUT
SHEET #1



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2607(1)

FILE NAME: p06b038.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p06b0384101.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 13 OF 49

201.31 THINNING AND TRIMMING FOR SIGNS
STA. 189+29, RT

604.412 OR 604.415 REHAB.
DIS. CBS OR MHS. CLASS I OR II
STA. 191+15, RT
STA. 191+89, RT
STA. 192+34, LT
STA. 192+65, LT
STA. 192+80, RT
STA. 193+92, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 192+06, Q

616.28 CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 192+22 TO 192+35, LT

616.41 REMOVAL OF EXISTING CURB
STA. 192+22 TO 192+35, LT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 191+81 TO 191+94, LT
STA. 192+22 TO 192+35, LT

618.30 DETECTABLE WARNING SURFACE
STA. 191+92, LT
STA. 192+25, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 189+00 TO 190+44.8, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 190+44.8, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 189+00 TO 190+42, RT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 191+95, LT
STA. 192+18, LT
STA. 192+22, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 189+00 TO 195+00, SOLID LT & RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE Q BREAKS FOR SIDE ROADS)
STA. 189+00 TO 195+00, SOLID LT & RT
STA. 192+06, DOUBLE SOLID LT (WALLACE ST)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
STA. 192+06, LT (WALLACE ST)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 192+06, LT "STOP" (WALLACE ST)

646.501 DURABLE CROSSWALK MARKING, TYPE I TAPE
STA. 191+95 - 192+20, LT
STA. 192+25, LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 189+00 TO 195+00, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE Q BREAKS FOR SIDE ROADS)
STA. 189+00 TO 195+00, SOLID LT & RT
STA. 192+06, DOUBLE SOLID LT (WALLACE ST)

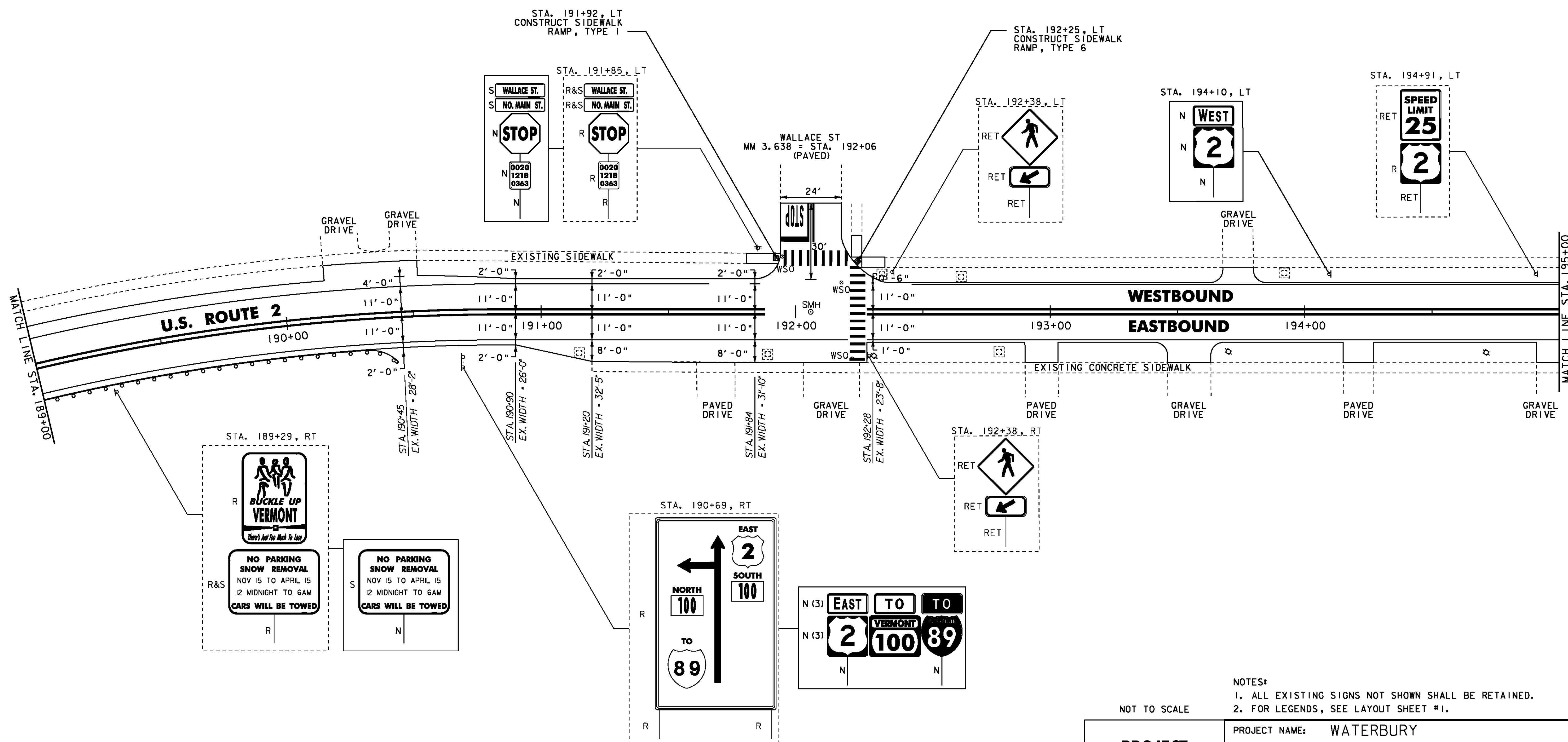
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 192+06, LT (WALLACE ST)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 192+06, LT "STOP" (WALLACE ST)

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 191+95 - 192+20, LT
STA. 192+25 LT & RT

675.50 REMOVING SIGNS
AS SHOWN - 8

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 3



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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #2

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2607(1)

FILE NAME: p06b038.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p06b038i02.i

PLOT DATE: 14-DEC-2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 14 OF 49



STA. 195+56, RT
STA. 196+49, RT
604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 195+50, RT

618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 195+20 TO 195+34, RT
STA. 195+21 TO 195+36, LT
STA. 195+68 TO 195+89, LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 195+00 TO 197+47.2, SOLID LT & RT
STA. 195+52, DOUBLE SOLID LT (BUTLER ST)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 195+00 TO 197+47.2, SOLID LT & RT
STA. 195+52, DOUBLE SOLID LT (BUTLER ST)

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 6



NOTES:

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

NOT TO SCALE

PROJECT LAYOUT SHEET #3

FILE NAME: p06b038.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p06b038I01.

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 15 OF 49



TRAFFIC SIGN SUMMARY SHEET 1

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



TRAFFIC SIGN SUMMARY SHEET 3



EXISTING CULVERT INVENTORY TABLE

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
WATERBURY			
185+72	54"	CMP	

REHAB. DI'S, CB'S or MH'S, CLASS I OR II
(ITEM 604.412 OR 604.415)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
191+15	RT	DI
191+89	RT	DI
192+34	LT	DI
192+65	LT	DI
192+80	RT	DI
193+92	LT	DI
195+56	RT	DI
196+49	RT	DI

CHANGING ELEVATION OF SEWER MANHOLES
(ITEM 604.42)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
192+06	C/L	SMH
195+50	RT	SMH

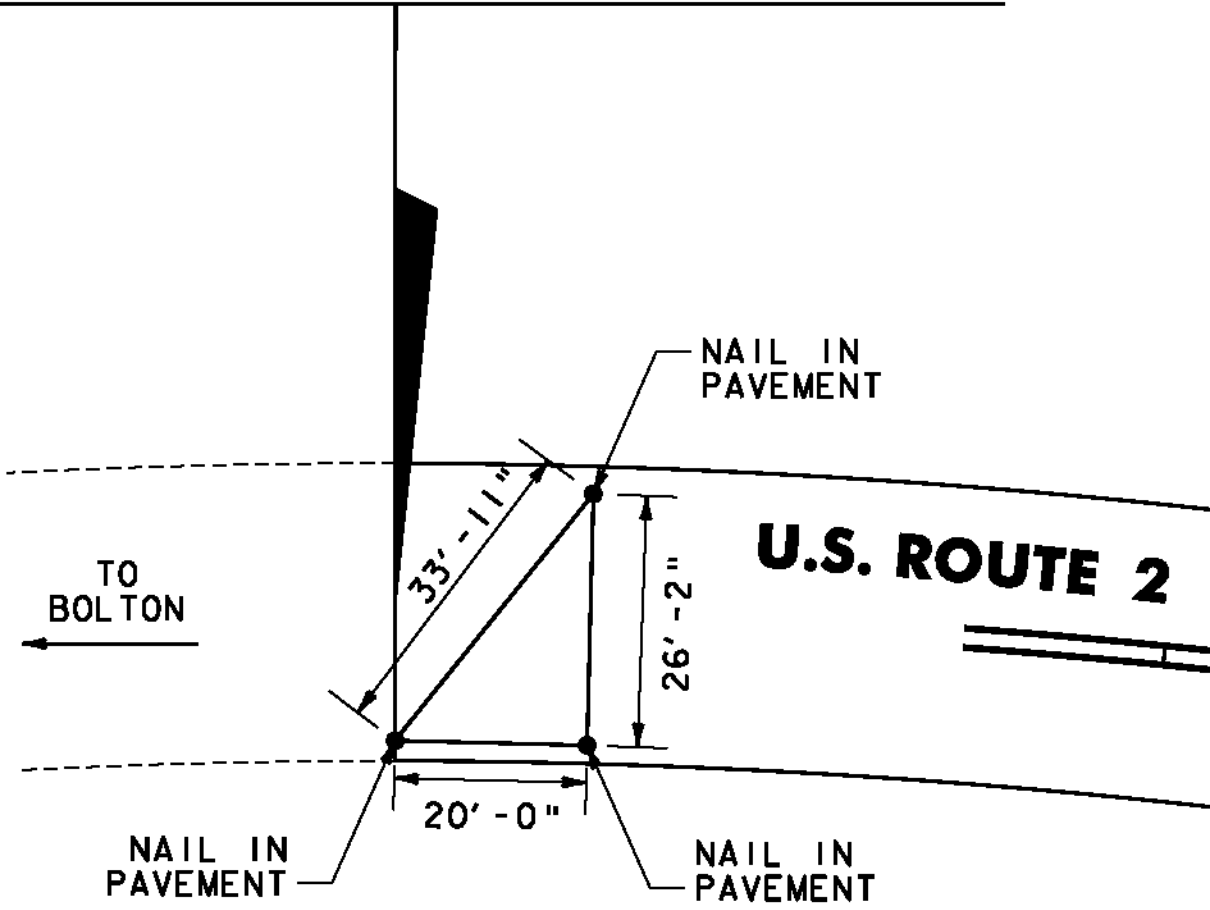
ADJUST ELEVATION OF VALVE BOX
(ITEM 629.20)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
191+95	LT	WSO
192+18	LT	WSO
192+22	RT	WSO (CORPORATION STOP)
195+61	LT	WSO

CHANGING ELEVATION OF DI'S, CB'S or MH'S
(ITEM 604.40)

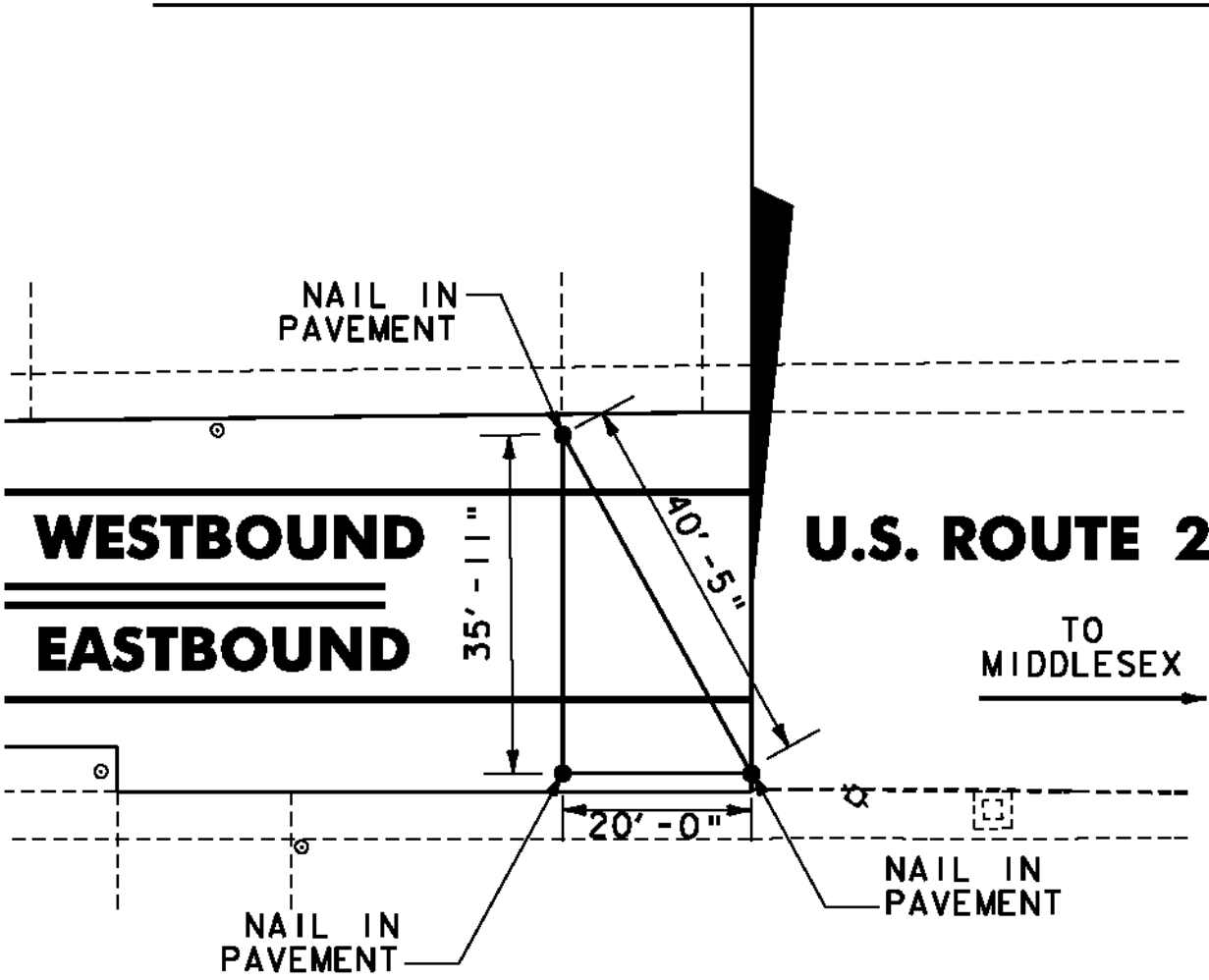
STATION	POSITION	DESCRIPTION
U.S. ROUTE 2		
195+05	LT	DI
195+96	LT	DI

BEGIN WATERBURY STP 2607(1)
U.S. ROUTE 2 STA. 185+69.76 = MM 3.517

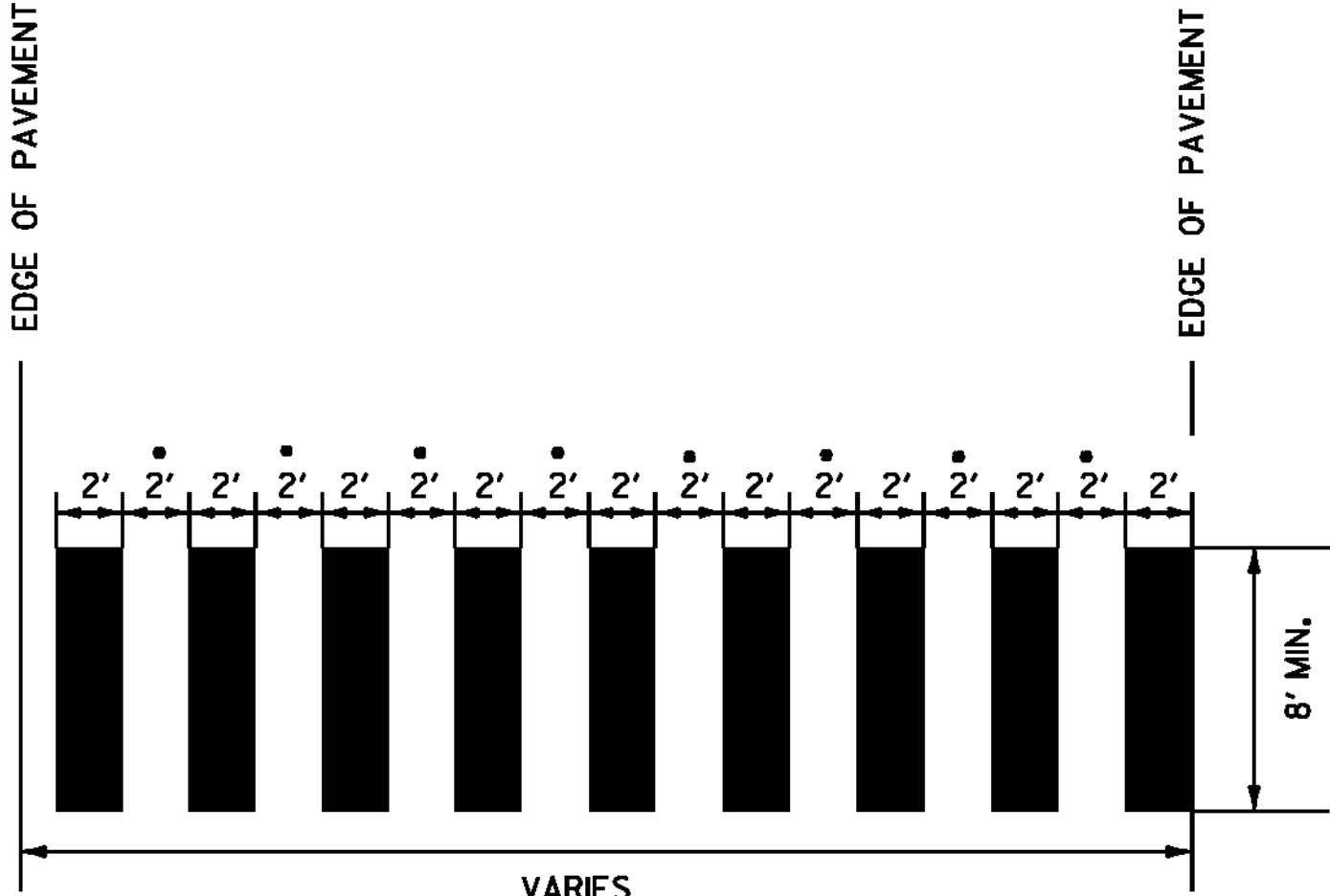


U.S. ROUTE 2 BEGIN PROJECT LOCATION TIES

END WATERBURY STP 2607(1)
U.S. ROUTE 2 STA. 197+47.20 = MM 3.740



U.S. ROUTE 2 END PROJECT LOCATION TIES



BLOCK PATTERN CROSSWALK DETAIL

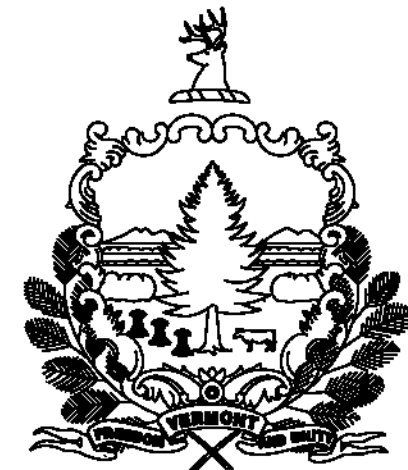
SEE LAYOUT SHEETS FOR LOCATIONS.
ALL BLOCK PATTERN CROSS WALKS SHALL BE
INSTALLED PARALLEL WITH WHEEL PATHS.

NOT TO SCALE



CULVERT & STRUCTURE INVENTORY / MISCELLANEOUS DETAIL SHEET	PROJECT NAME: WATERBURY	
	PROJECT NUMBER: STP 2607(1)	
	FILE NAME: p06b038.dgn	PLOT DATE: 12/7/2010
	PROJECT LEADER: JLL	DRAWN BY: STANTEC
	DESIGNED BY: STANTEC	CHECKED BY: STANTEC
	IPARM FILE: p06b038csimd.i	SHEET 19 OF 49

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
TOWN OF WATERBURY
COUNTY OF WASHINGTON
VT ROUTE 100
MINOR ARTERIAL

BEGINNING IN THE TOWN OF WATERBURY ON VT ROUTE 100 AT STA. 0+21.12 (MM 0.004) AND EXTENDING NORTHERLY
ALONG VT ROUTE 100 FOR A DISTANCE OF 8,690.88 FEET (1.646 MILES) TO WATERBURY STA. 87+12.00 (MM 1.650).

PROJECT DATA:	LENGTH	LENGTH
TOWN OF WATERBURY	(FEET)	(MILES)
VT ROUTE 100		
STA. 0+21.12 TO 87+12.00	8,690.88	
MM 0.004 TO 1.650		1.646
TOTAL LENGTH OF PROJECT:	8,690.88	1.646
TOTAL LENGTH OF ROADWAY:	8,690.88	1.646

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, AND OTHER INCIDENTAL ITEMS.

TRAFFIC DATA
VT ROUTE 100

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011-2021	2011-2031
BEGIN PROJECT MM 0.004 TO I-89 EXIT 10 SB RAMPS MM 0.211	12,300	12,800	1,400	1,400	2,231,000	5,046,000
I-89 EXIT 10 SB RAMPS MM 0.211 TO BLUSH HILL RD / STOWE ST MM 0.655	13,700	14,300	1,500	1,600	2,810,000	6,943,000
BLUSH HILL RD / STOWE ST MM 0.655 TO END PROJECT MM 1.650	14,400	14,900	1,600	1,700	2,568,000	6,397,000

QUALITY ASSURANCE PROGRAM: LEVEL 3

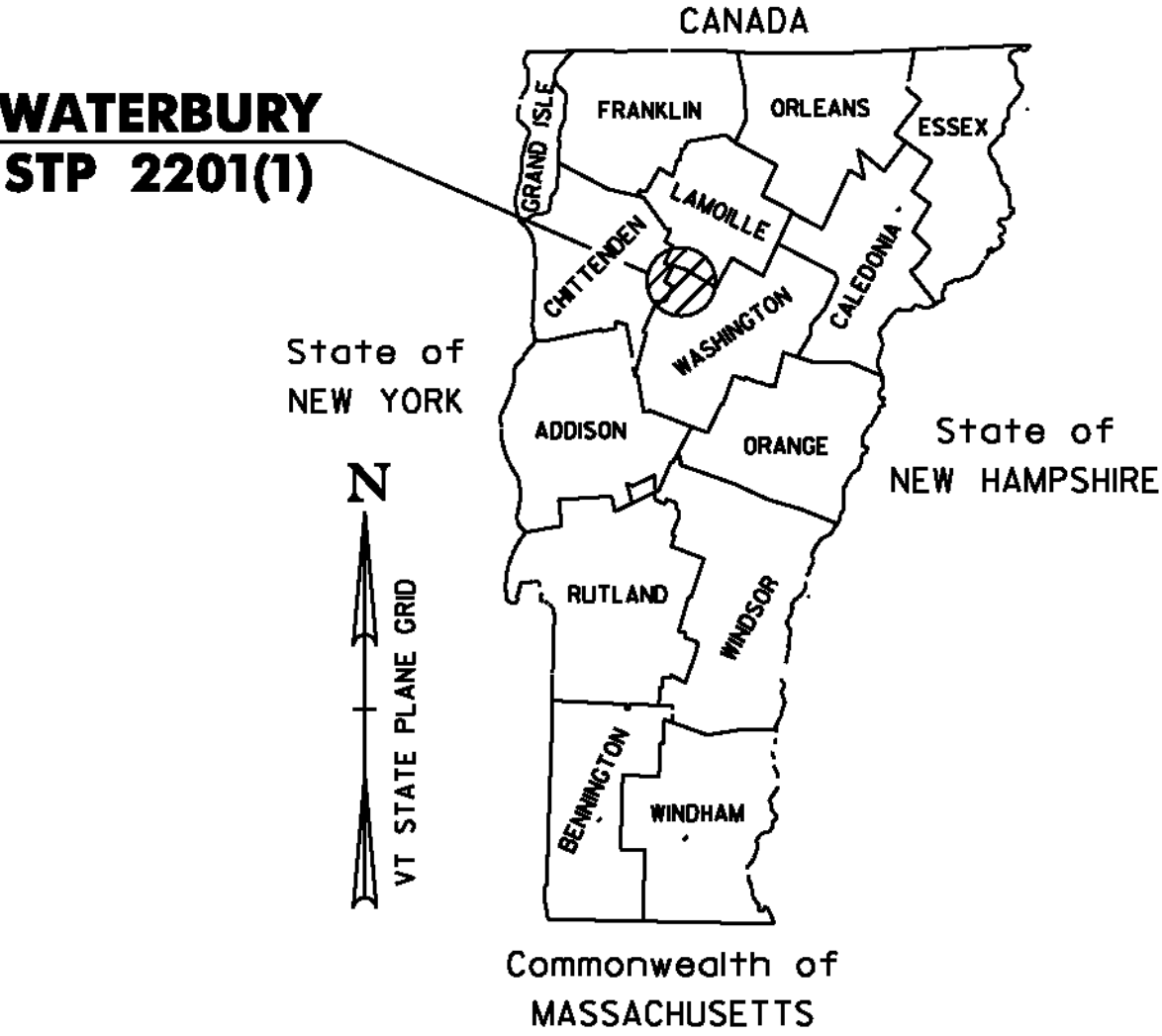
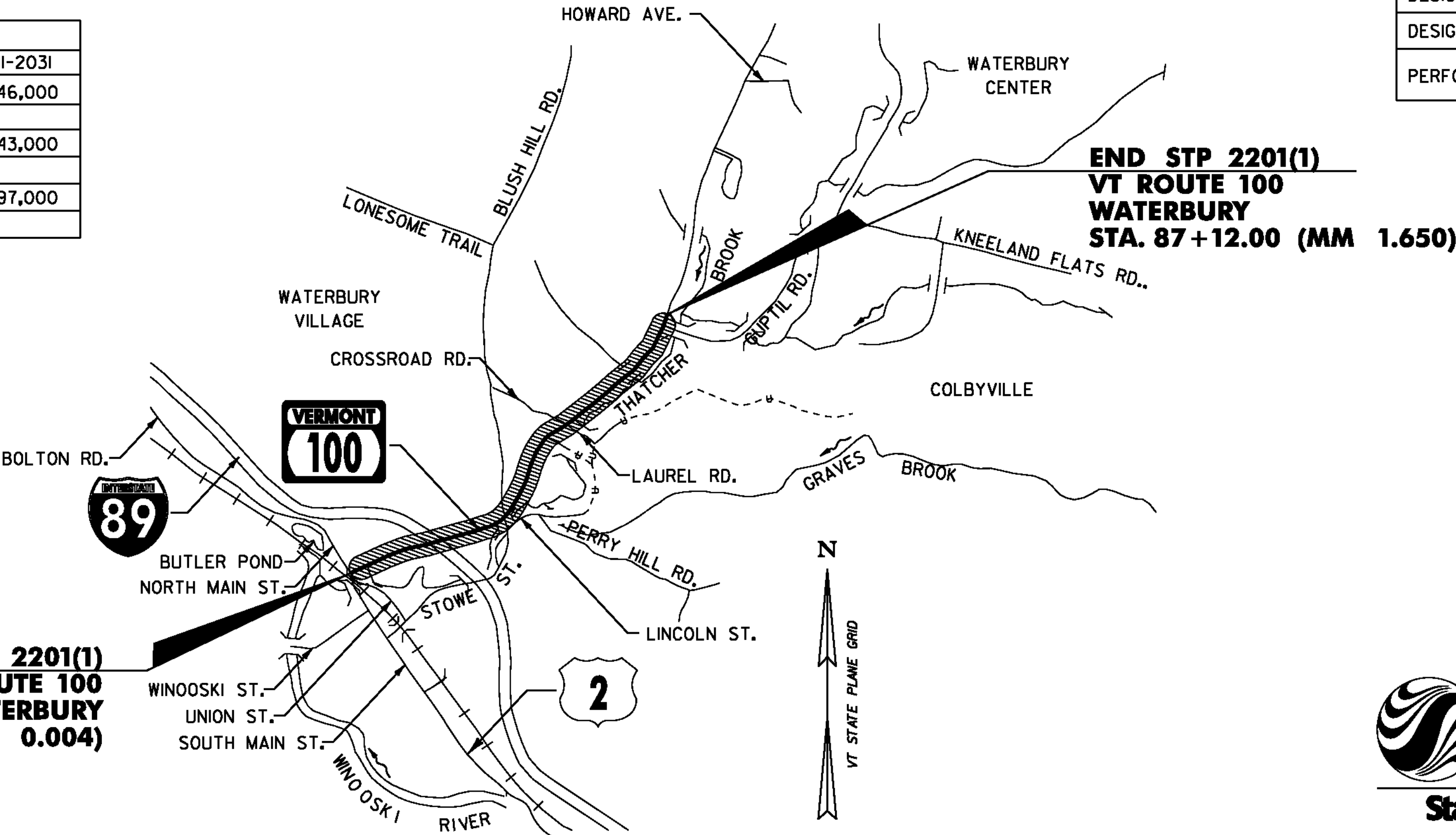
CONVENTIONAL SYMBOLS

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	
TOP OF CUT	
TOE OF SLOPE	

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

DATUM
VERTICAL N/A
HORIZONTAL N/A

BEGIN STP 2201(1)
VT ROUTE 100
WATERBURY
STA. 0 + 21.12 (MM 0.004)



SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS	3,471,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS

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

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

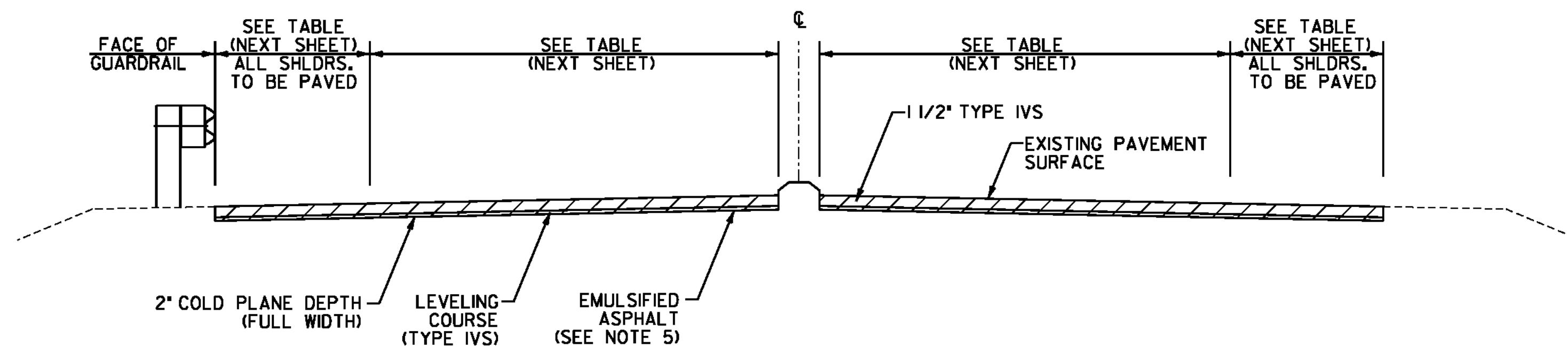
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS
FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS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

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



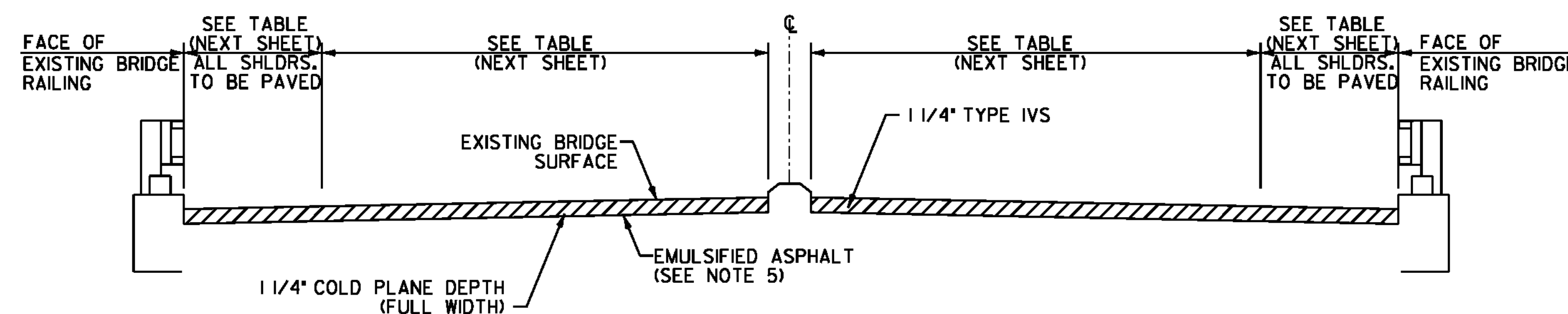
p99b154.dgn
p99b154ts.1

PROJECT MANAGER : MICHAEL FOWLER
PROJECT NAME : WATERBURY PROJECT NUMBER : STP 2201(1)
SHEET 20 OF 49 SHEETS



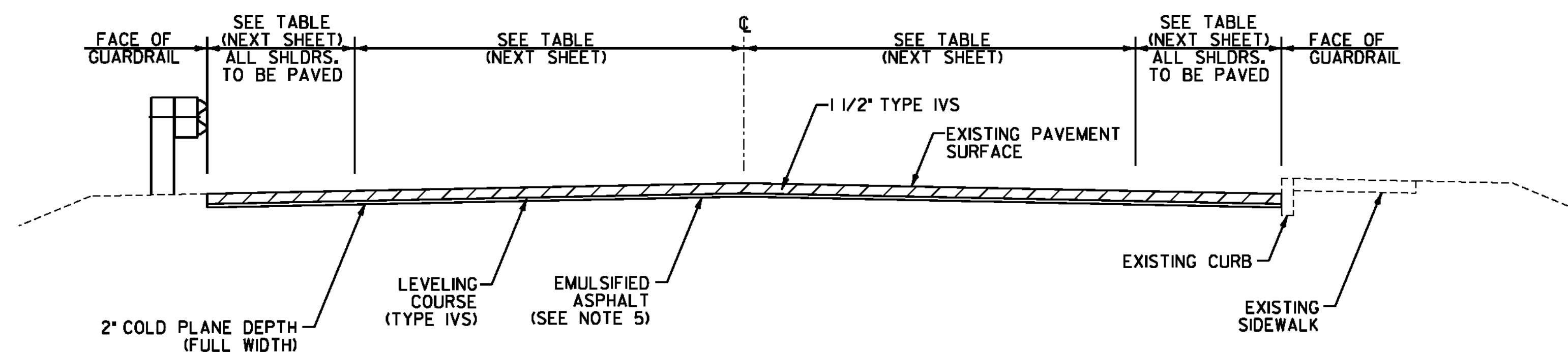
COLD PLANE TYPICAL SECTION - RAISED MEDIAN

VT ROUTE 100 WATERBURY STA. 0+21.12 TO 17+99
VT ROUTE 100 WATERBURY STA. 20+39 TO 31+50



COLD PLANE TYPICAL SECTION - BRIDGE NO. 197

BR*197 WATERBURY STA. 17+99 TO 20+39



COLD PLANE TYPICAL SECTION - NO MEDIAN

VT ROUTE 100 WATERBURY STA. 31+50 TO 87+12.00

NOTES

- THIS PROJECT IS IDENTIFIED AS A LEVEL 3 PROJECT IN ACCORDANCE WITH THE CURRENT EDITION OF THE AGENCY'S QUALITY ASSURANCE PROGRAM.
- THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2\"/>

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			

SEED NOTES

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

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

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

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

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

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

NOT TO SCALE

PROJECT TYPICAL SHEET #1



PROJECT NAME: WATERBURY

PROJECT NUMBER: STP 2201(1)

FILE NAME: p99b154.dgn

PROJECT LEADER: JLL

DESIGNED BY: STANTEC

IPARM FILE: p99b154pts01.i

PLOT DATE: 12/7/2010

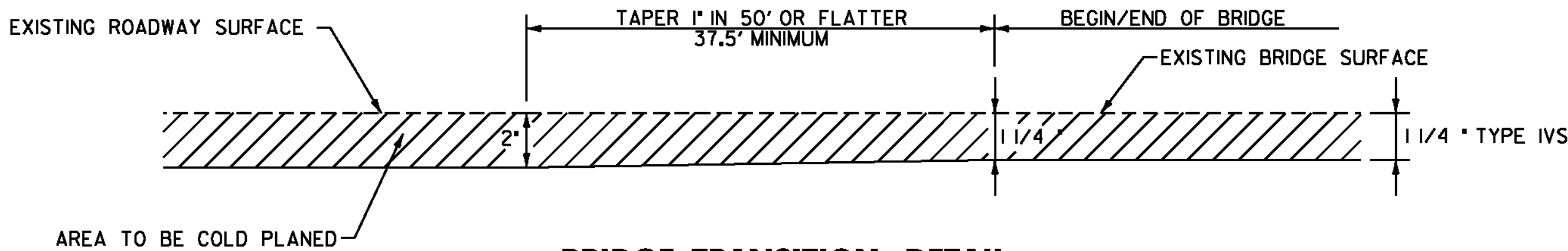
DRAWN BY: STANTEC

CHECKED BY: STANTEC

SHEET 21 OF 49

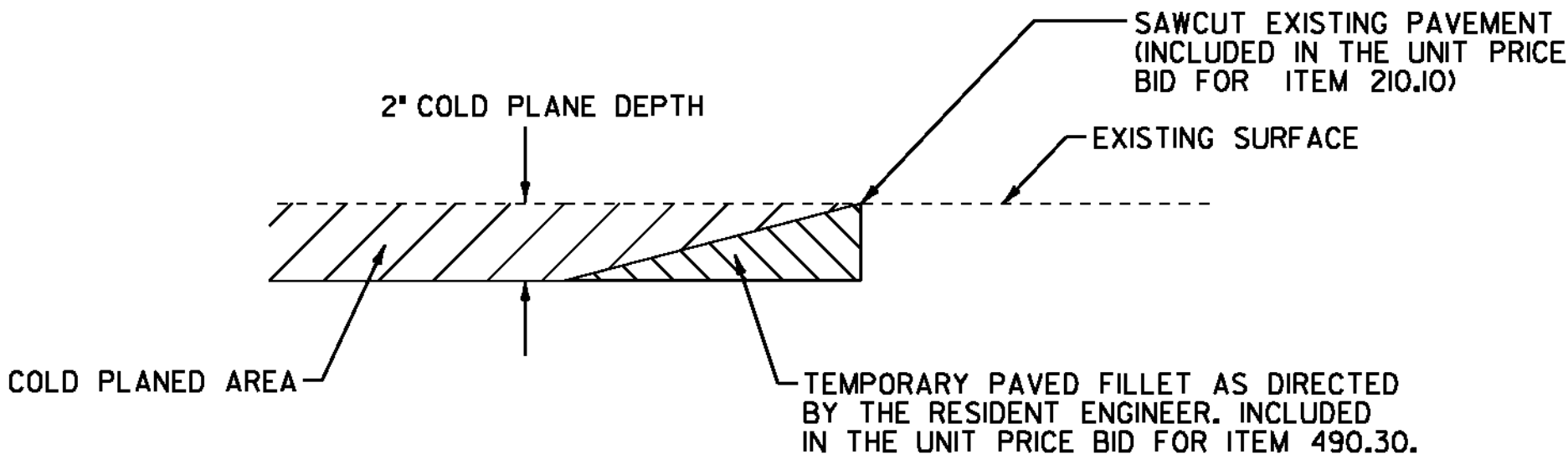
PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING DEPTH	NOTES
WATERBURY VT ROUTE 100	0+21.12	17+99.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	17+99.00	20+39.00	6'-0" - 11'-0" - 2'-0" - 2'-0" - 11'-0" - 6'-0"	1 1/4"	-	BRIDGE NO. 197 COLD PLANE 1 1/4" AND THEN PAVE WITH 1 1/4" TYPE IVS
WATERBURY VT ROUTE 100	20+39.00	47+83.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	47+83.00	57+94.00	6'-0" - 11'-0" - 11'-0" - 6'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	57+94.00	73+00.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	73+00.00	77+00.00	6'-0" - 11'-0" - 11'-0" - 6'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	77+00.00	80+00.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	80+00.00	85+66.00	6'-0" - 11'-0" - 11'-0" - 6'-0"	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS
WATERBURY VT ROUTE 100	85+66.00	87+12.00	VARIES - SEE LAYOUT SHEETS	1 1/2"	1/2"	COLD PLANE 2", LEVEL 1/2" + 1 1/2" TYPE IVS



BRIDGE TRANSITION DETAIL

BR*197 WATERBURY STA.17+61.5 TO 17+99
STA. 20+39 TO 20+76.5



DETAIL AT VERTICAL COLD PLANE JOINTS

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

FULL ROADWAY WIDTH

STA. 0+21.12 (BEGIN PROJECT)
STA. 9+38, LT (RAMP F)
STA. 11+15, LT (RAMP G)
STA. 12+88, LT (RAMP D)
STA. 14+99, RT (RAMP E)
STA. 23+69, LT (RAMP A)
STA. 25+63, RT (RAMP C)
STA. 27+20, RT (RAMP B)
STA. 34+57, RT (STOWE ST)
STA. 34+58, LT (BLUSH HILL RD)
STA. 43+00, RT (SHAW'S)
STA. 53+83, RT (MILL RD)
STA. 58+47, LT (TH-15)
STA. 59+09, RT (LAUREL RD)
STA. 86+20, RT (GUPTIL RD)
STA. 87+12.00 (END PROJECT)

NOT TO SCALE

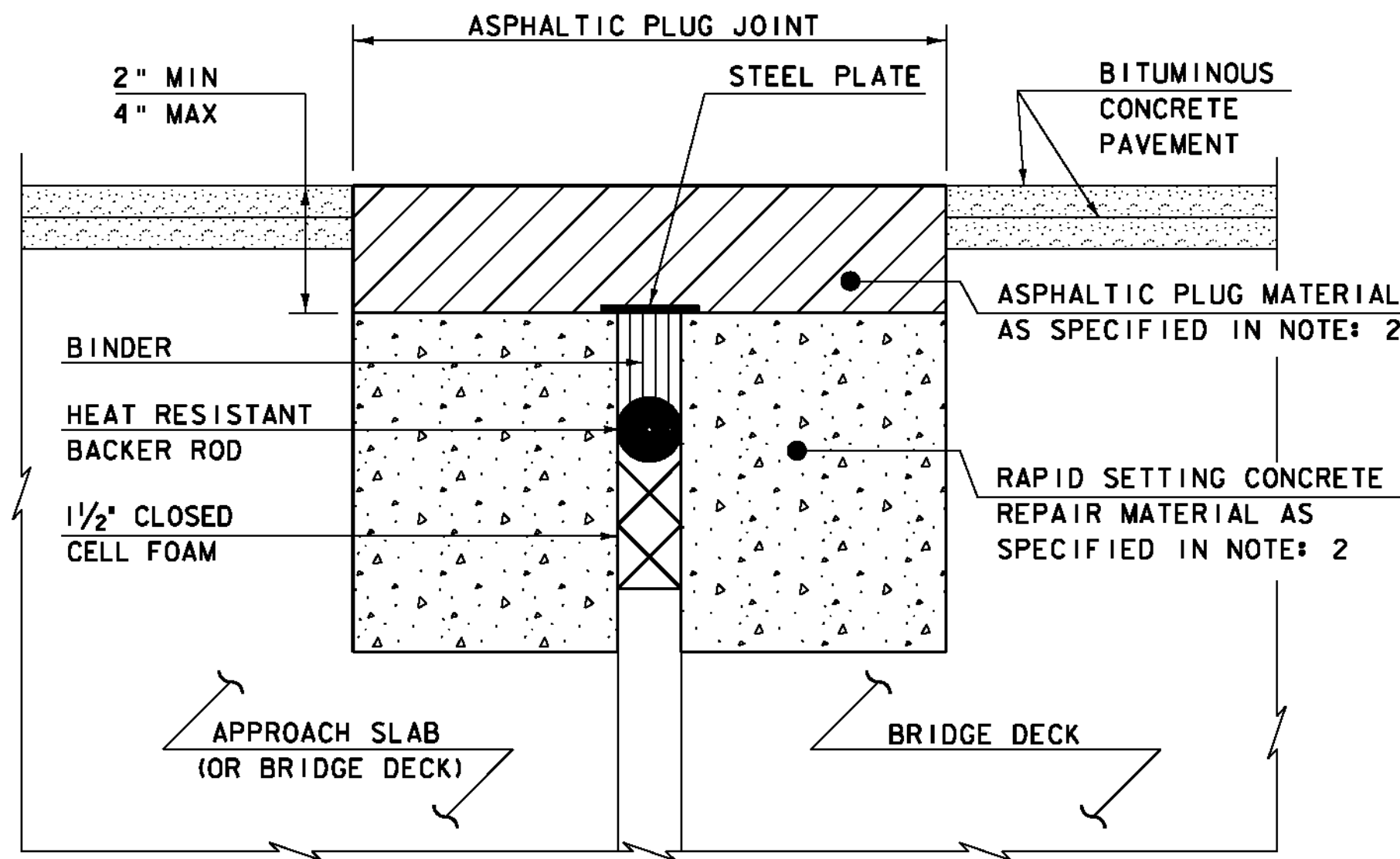


PROJECT
TYPICAL
SHEET #2

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(I)

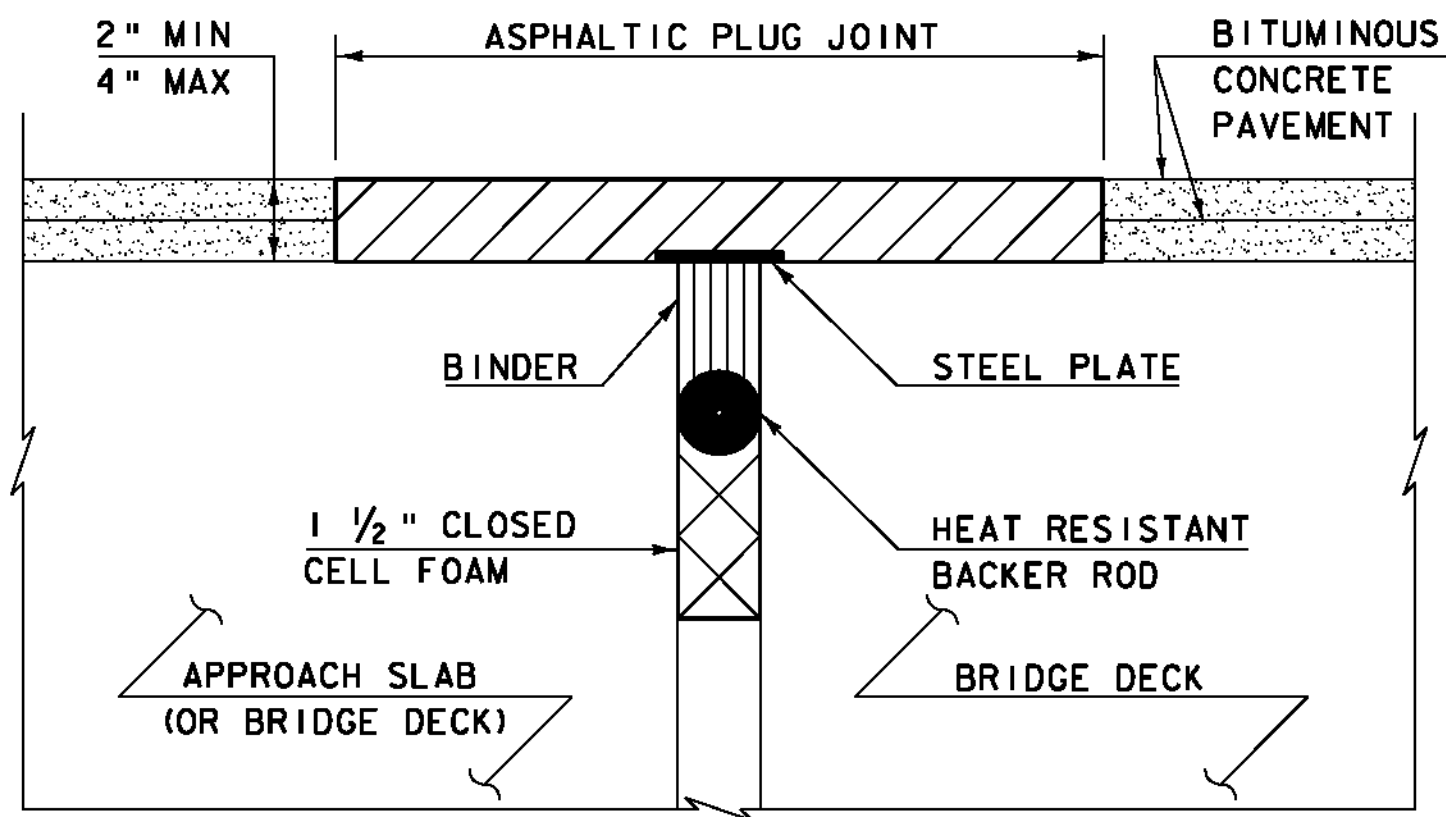
FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154pts02.i

PLOT DATE: 10-JAN-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 22 OF 49



ASPHALTIC PLUG-TYPE JOINT DETAIL – REHAB
NOTES: (NOT TO SCALE)

1. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL BE INCLUDED IN THE BID PRICE OF ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE.
2. THE CONTRACTOR SHALL REPLACE REMOVED MATERIAL THAT IS LESS THAN 4" FROM FINISHED GRADE WITH ASPHALTIC PLUG JOINT MATERIAL MEETING THE REQUIREMENTS OF SUBSECTION 707.15. ALL REMOVED MATERIAL THAT IS GREATER THAN 4 INCHES FROM FINISHED GRADE SHALL BE REPLACED WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
3. REINFORCING STEEL NOT SHOWN FOR CLARITY.



ASPHALTIC PLUG-TYPE JOINT DETAIL – NEW
(NOT TO SCALE)

LOCATIONS					
BR 197	WATERBURY	VT ROUTE 100	STA. 17+99	(53LF)	
BR 197	WATERBURY	VT ROUTE 100	STA. 18+55	(53LF)	
BR 197	WATERBURY	VT ROUTE 100	STA. 19+29	(53LF)	
BR 197	WATERBURY	VT ROUTE 100	STA. 19+68	(53LF)	
BR 197	WATERBURY	VT ROUTE 100	STA. 20+39	(53LF)	

ASPHALTIC PLUG JOINT NOTES

INSTALLATION:

1. LOCATE THE JOINT CENTRALLY OVER THE DECK OVERLAY EXPANSION GAP OR FIXED JOINT, MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
2. REMOVE THE BITUMINOUS CONCRETE PAVEMENT FULL DEPTH AS SHOWN ON THE PLANS. THE PAVEMENT SHALL BE DRY AND SAW CUT TO THE LIMITS REQUIRED TO PLACE THE JOINT. A PNEUMATIC HAMMER AND CHISEL MAY BE USED ADJACENT TO THE CURB ONLY WHEN SAW CUTTING IS NOT POSSIBLE.
3. BLAST CLEAN THE JOINT AREA OF DEBRIS, ASPHALT AND SHEET MEMBRANE. THOROUGHLY DRY THE JOINT AREA WITH COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
4. REPAIR MATERIAL GREATER THAN 4 INCHES FROM FINISHED GRADE WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COURSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
5. PLACE PROPERLY SIZED HEAT RESISTANT BACKER ROD IN THE MOVEMENT GAP ALLOWING FOR 1" +/- OF BINDER ABOVE THE ROD.
6. HEAT AND PLACE THE BINDER MATERIAL AS RECOMMENDED BY THE MANUFACTURER.
7. PLACE 1/4" THICK BY 8" WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE THE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRE-STAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER. THE STEEL PLATES MAY BE OMITTED WHERE THE ENGINEER DETERMINES THAT THE APPROACH SLAB OR BRIDGE DECK WILL PROVIDE INADEQUATE SUPPORT AND WHERE VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
8. HEAT AND MIX THE BINDER MATERIAL AND AGGREGATE AS RECOMMENDED BY THE MANUFACTURER.
9. INSTALLATION OF MATERIAL, COMPACTION, AND TOP COATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
10. IMMEDIATELY AFTER TOP COATING, CAST AN ANTI-SKID MATERIAL OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
11. ONCE THE JOINT REACHES 82 DEG C (180 DEG F) +/-, WATER MAY BE USED TO EXPEDITE THE COOLING PROCESS.
12. PROTECT JOINT FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 51 DEG C (125 DEG F) +/-.

WEATHER LIMITATIONS

APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER:

1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.
2. THE ROAD SURFACE IS DRY.
3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.

NOT TO SCALE

**ASPHALTIC
PLUG JOINT
DETAILS SHEET**

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(1)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154apjds.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 49

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

[illegible]

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

QUANTITY SHEET 2

[illegible]

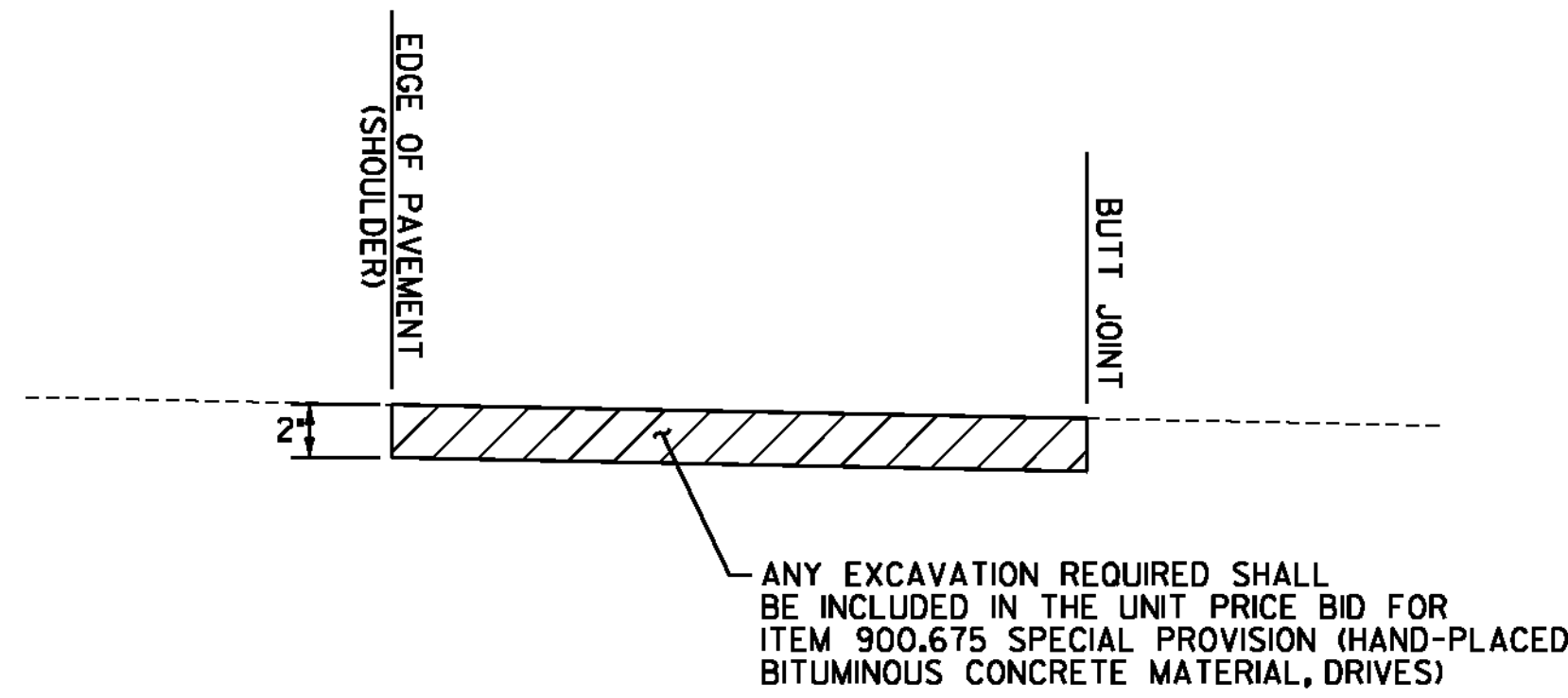
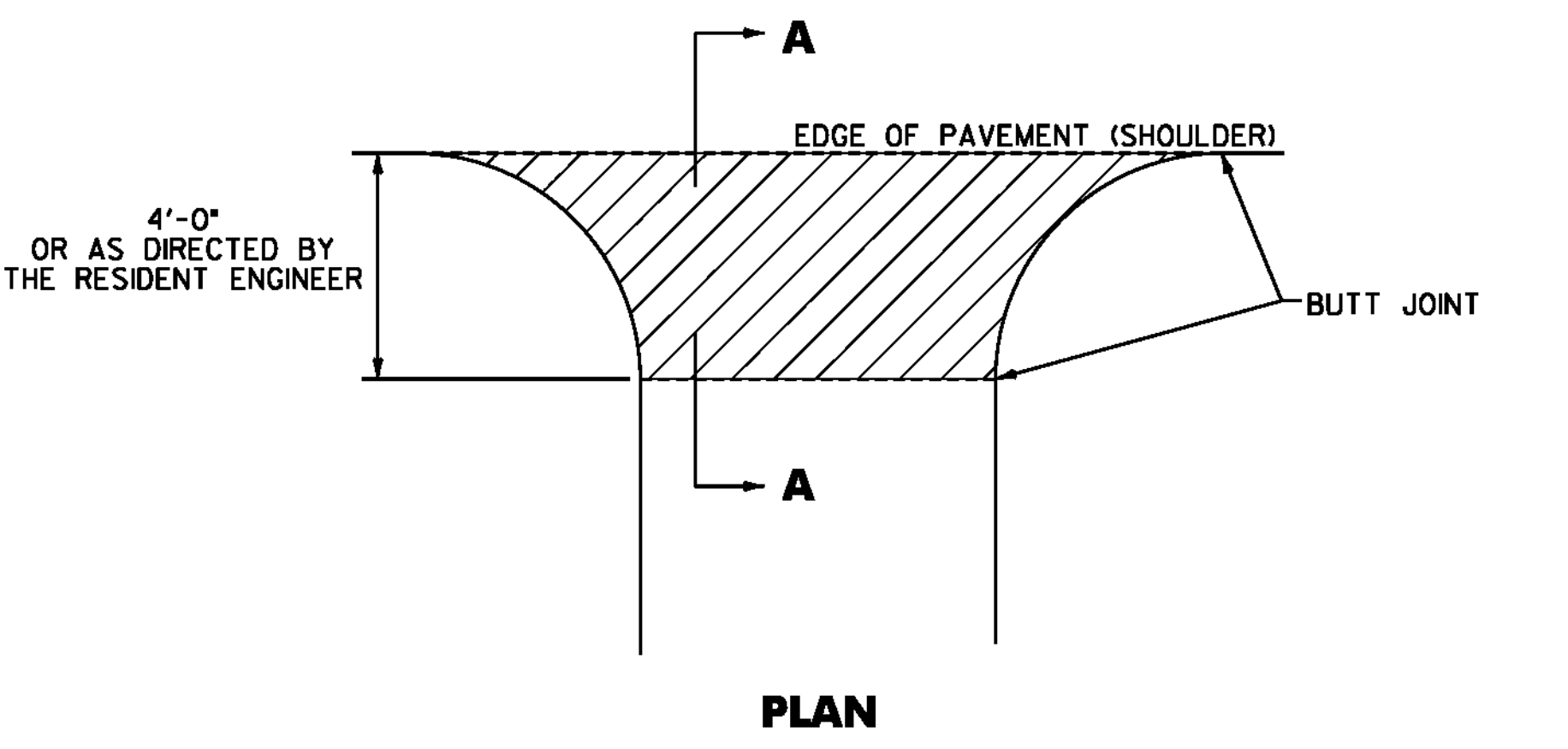
**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

QUANTITY SHEET 3

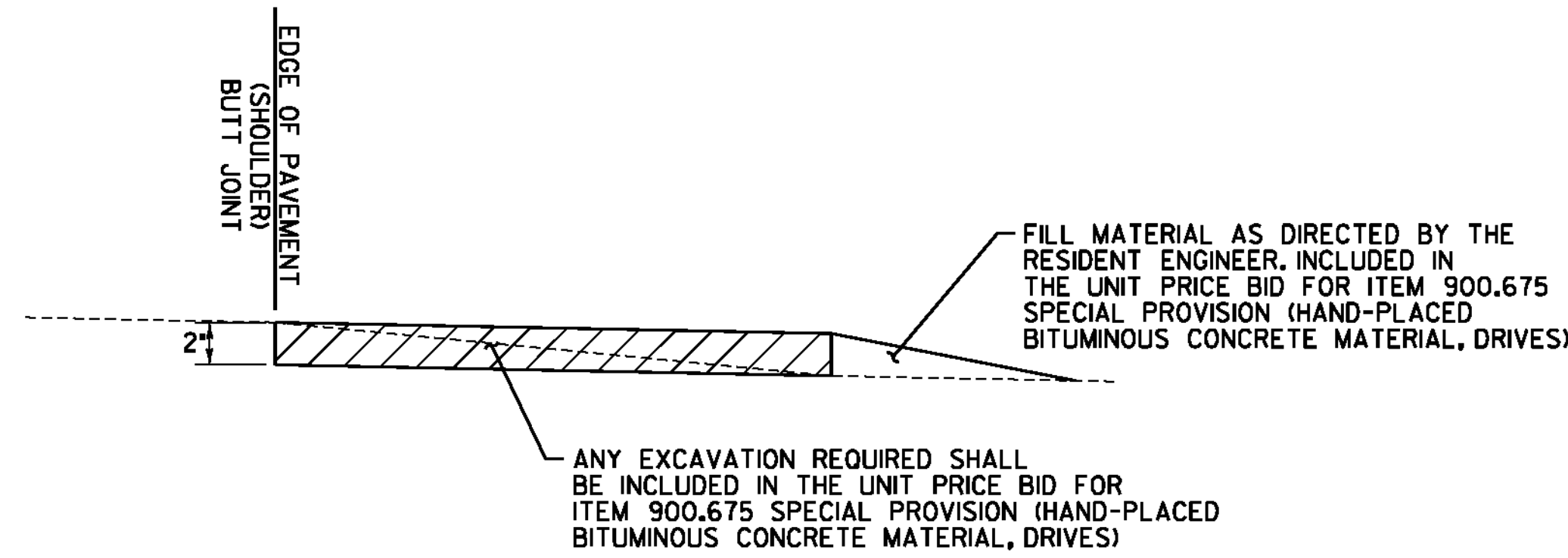
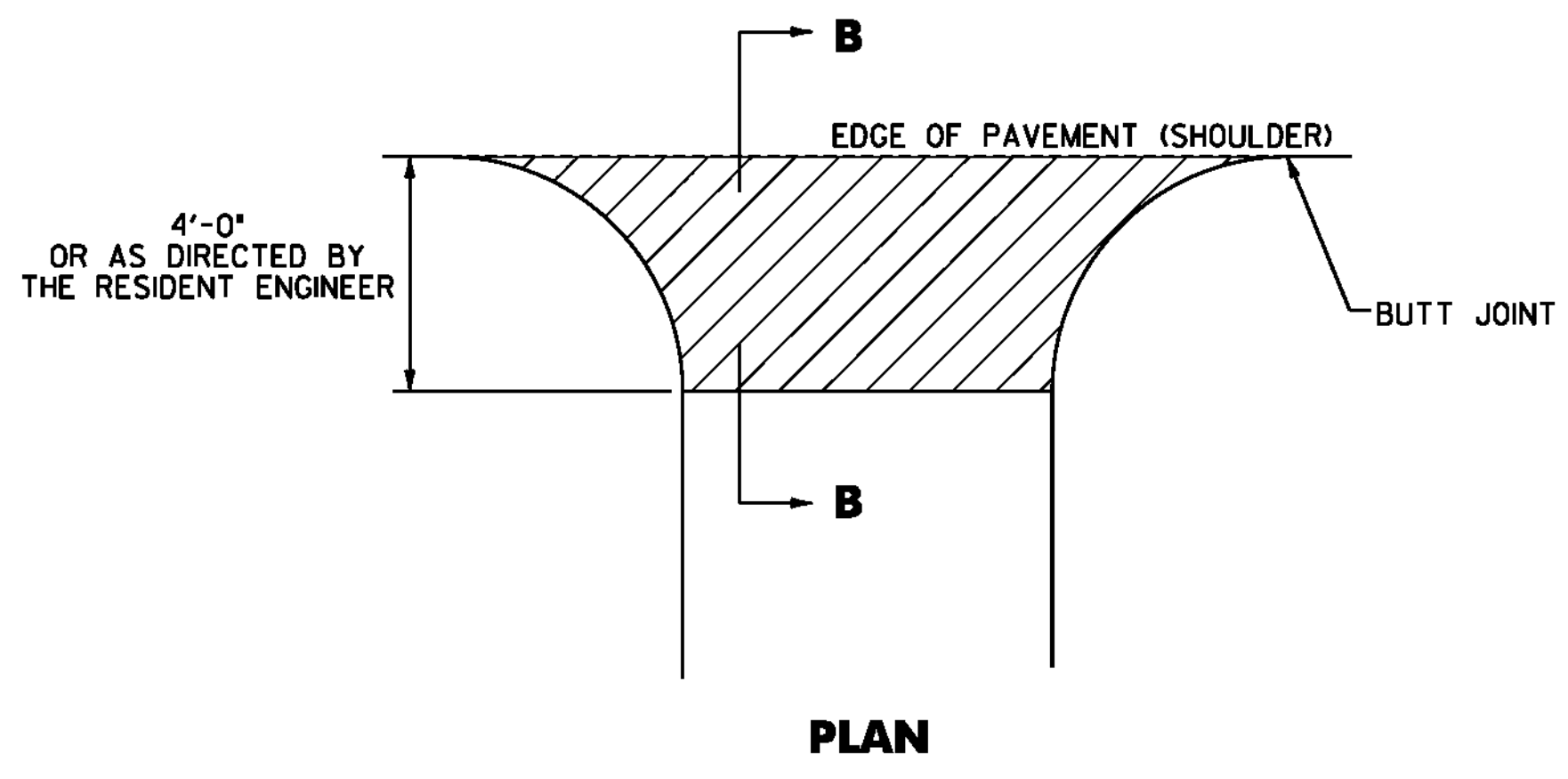
[illegible]

ITEM DETAIL SUMMARY SHEET

LOCATION			GUARDRAIL					MISCELLANEOUS												REMARKS			
BEGIN MILE STA.	END MILE STA.	POS.	621.20	621.206	621.60	621.70	621.71	621.80	301.40	402.13	604.412	604.415	613.10	613.11	616.35	616.41	617.10	619.17	649.31			676.10	676.12
			S.B. G.R. GALV. LF	S.B.G.R. GALV.\ NESTED LF	ANCHOR FOR S.B. RAIL EA	G.R. APP. SECTION GALV. TYPE I EA	G.R. APP. SECTION GALV. TYPE II EA	REMOVAL & DISPOSAL OF GUARDRAIL LF	SUBBASE, RAP TON	AGG. SHLDRS., RAP TON	REHAB DI, CB, OR MH, CLASS I EA	REHAB DI, CB, OR MH, CLASS II EA	STONE FILL, TYPE I CY	STONE FILL, TYPE II CY	TREATED TIMBER CURB LF	REMOVAL OF EXIST. CURB LF	RELOC. MAILBOX, SNGL. SUPP. EACH	YIELDING MARKER POSTS EACH	GEO. UNDER STONE FILL SY			DEL.W/ STEEL POST EACH	REMOVAL OF EXIST. DEL. EACH
VT ROUTE 100																							
WATERBURY																							
0+21.12	87+12.0	LT&RT								399	17	4		50				34					
WATERBURY																							
2+19.0	14+94.0	RT	1277		I			1277											I	I	CONNECT TO EXISTING GUARDRAIL ON RAMP E @ VT 100 STA. 14+94.0, RT; INSTALL ANCHOR @ STA. 2+19.0, RT		
7+85	8+22	LT											38					135			ITEMS TO BE USED WITH SLOPE EROSION REPAIR		
12+89.5	17+77.0	LT	475				I	487.5						487.5							INSTALL TREATED TIMBER CURB @ STA. 12+89.5 TO 17+77, LT		
15+21.5	18+09.0	RT	239.5		I	I		277											I	I	INSTALL ANCHOR @ STA. 15+21.5, RT		
20+29.0	21+41.5	LT	64.5		I	I		104											I	I	INSTALL ANCHOR @ STA. 21+41.5, LT		
20+62.0	21+37.0	RT	64.5		I		I	75											I	I	INSTALL ANCHOR @ STA. 21+37.0, RT		
31+30	31+71	RT							10.6							41					REMOVE EXISTING GRANITE CURB, RT - SEE DETAIL ON MISCELLANEOUS DETAIL SHEET		
33+35.5	33+48.0	RT	14.5		I			12.5											I		CONNECT TO EXISTING GUARDRAIL @ STA. 33+35.5, RT; INSTALL ANCHOR @ STA. 33+48.0, RT		
34+62.0	39+87.0	RT	527		I			525											I	I	CONNECT TO EXISTING GUARDRAIL @ STA. 34+62.0, RT; INSTALL ANCHOR @ STA. 39+87.0, RT		
46+42.0	52+17.0	RT	579		2			575						545		I			2	I	INSTALL ANCHORS @ STA. 46+42.0, RT & STA. 52+17.0, RT; RELOCATE MAILBOX @ STA. 49+53, RT; INSTALL TREATED TIMBER CURB @ STA. 46+55 TO 52+00		
54+11.0	55+23.5	RT	116.5		2			100											2	I	INSTALL ANCHORS @ STA. 54+11.0, RT & STA. 55+23.5, RT		
61+78.0	65+90.5	RT	416.5		2														2		INSTALL ANCHORS @ STA. 61+78.0, RT & STA. 65+90.5, RT		
73+19.0	73+56.5	LT	39.5		I			39.5											I	I	INSTALL ANCHOR @ STA. 73+19.0, LT		
73+56.5	73+81.5	LT		25.0																	SEE SPAN DETAIL		
73+81.5	74+06.5	LT	27.0		I														I		INSTALL ANCHOR @ STA. 74+06.5 LT		
73+19.0	73+56.5	RT	39.5		I			39.5											I	I	INSTALL ANCHOR @ STA. 73+19.0 RT		
73+56.5	73+81.5	RT		25.0																	SEE SPAN DETAIL		
73+81.5	74+06.5	RT	27.0		I																INSTALL ANCHOR @ STA. 74+06.5 RT		
																			I				
78+32.0	80+94.5	RT	266.5		2			262.5											2	2	INSTALL ANCHOR @ STA. 78+32.0, RT & STA. 80+94.5, RT		
							</																



SECTION A-A
HANDWORK DETAILS FOR PAVED DRIVES

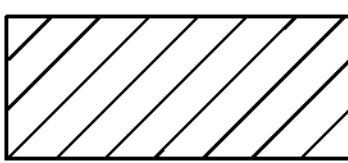


SECTION B-B
HANDWORK DETAILS FOR GRAVEL DRIVES

STATION	POSITION	QUANTITY (SY)
VT ROUTE 100		
37+89	LT	22
39+24	LT	18
40+19	RT	26
44+01	RT	20
45+44	RT	45
47+09	LT	9
49+55	LT	10
52+42	RT	23
53+66	LT	7
54+31	LT	14
55+86	RT	6
56+28	RT	10
58+01	RT	74
58+98	LT	13
60+26	RT	18
69+58	RT	20
77+75	RT	10
SUBTOTAL		345
ROUNDING		5
TOTAL		350

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

LEGEND

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

NOT TO SCALE



**DRIVE
DETAIL
SHEET**

PROJECT NAME: WATERBURY	
PROJECT NUMBER: STP 2201(1)	
FILE NAME: p99b154.dgn	PLOT DATE: 12/7/2010
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p99b154ds.i	SHEET 28 OF 49

604.412 OR 604.415 REHAB.DIS. CBs OR MHs. CLASS I OR II
STA. 0+23, LT
STA. 0+38, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 2+19.0 TO 3+50.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 2+19, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 2+19.0 TO 3+50.0, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 0+21.12 TO 3+50, SOLID LT & RT
STA. 0+21.12 TO 0+68, SOLID RT
STA. 0+30 TO 2+54, SOLID LT (LANE LINE)
STA. 1+75 TO 3+50, DASHED RT
STA. 2+54 TO 3+50, DASHED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE & BREAKS FOR SIDE ROADS)
STA. 0+21.12 TO 0+70, SOLID RT (SLIP RAMP)
STA. 0+30 TO 0+61, DOUBLE SOLID LT & RT
STA. 0+61 TO 3+50, SOLID LT & RT (ISLAND)

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 0+68 TO 1+75, SOLID RT (SLIP RAMP)
STA. 0+70 TO 1+75, SOLID RT (SLIP RAMP)

646.451 DURABLE 8 INCH YELLOW LINE, TYPE I TAPE
STA. 0+30 TO 0+61, & DIAGONALS

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
STA. 0+30, LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 0+39, LT ARROWS (2)
STA. 0+92, LT "ONLY" (2)
STA. 1+44, LT ARROWS (2)
STA. 1+97, LT "ONLY" (2)
STA. 2+50, LT ARROWS (2)

**BEGIN WATERBURY STP 2201(1)
VT ROUTE 100 STA. 0+21.12 = MM 0.004**

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 0+21.12 TO 3+50, SOLID LT & RT
STA. 0+21.12 TO 0+68, SOLID RT
STA. 0+30 TO 2+54, SOLID LT (LANE LINE)
STA. 1+75 TO 3+50, DASHED RT
STA. 2+54 TO 3+50, DASHED LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE & BREAKS FOR SIDE ROADS)
STA. 0+21.12 TO 0+70, SOLID RT (SLIP RAMP)
STA. 0+30 TO 0+61, DOUBLE SOLID LT & RT
STA. 0+61 TO 3+50, SOLID LT & RT (ISLAND)

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 0+68 TO 1+24, RT (SLIP RAMP)
STA. 0+70 TO 1+24, RT (SLIP RAMP)

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 0+30 TO 0+61, & DIAGONALS

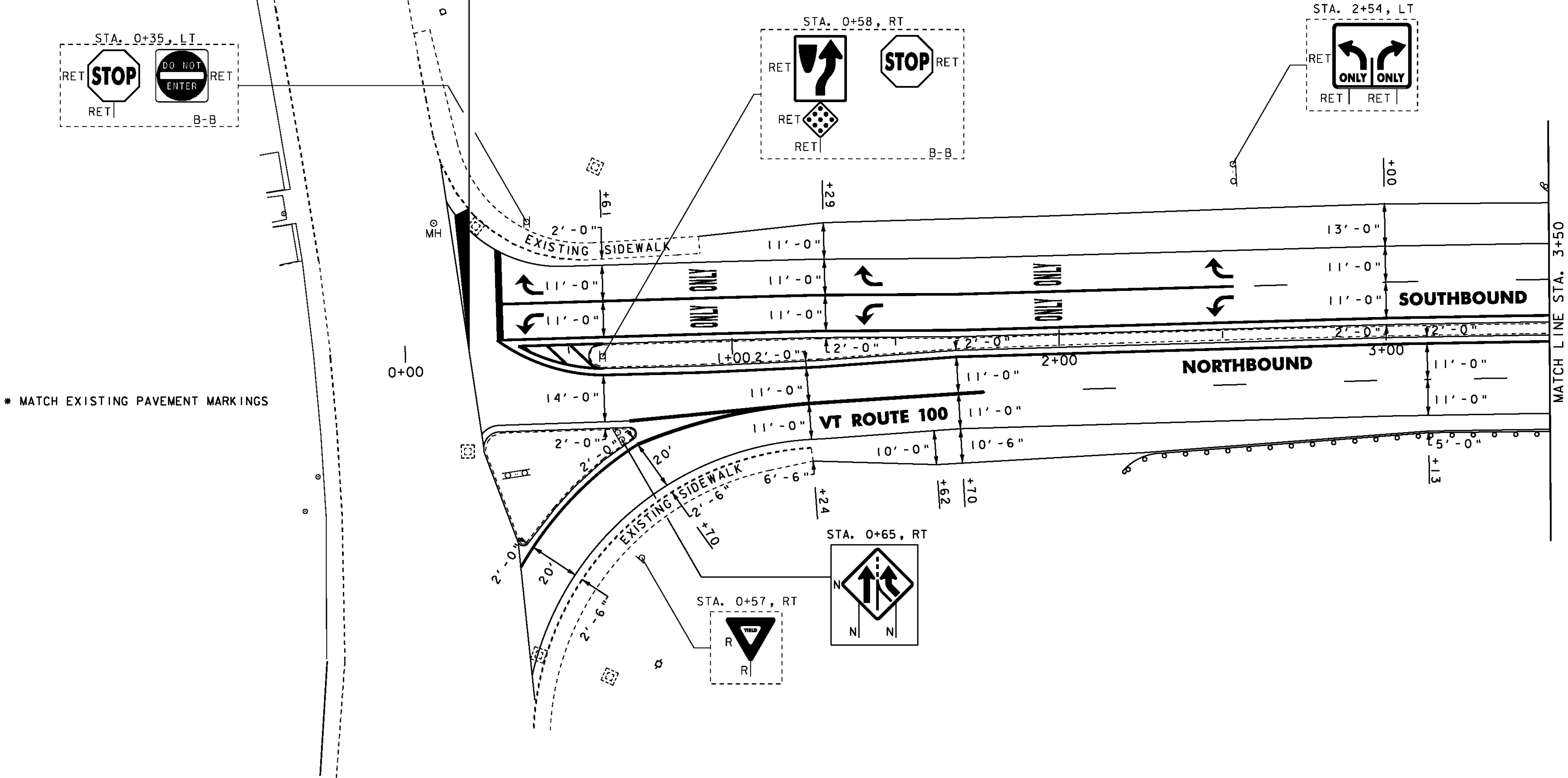
646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 0+30, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 0+39, LT ARROWS (2)
STA. 0+92, LT "ONLY" (2)
STA. 1+44, LT ARROWS (2)
STA. 1+97, LT "ONLY" (2)
STA. 2+50, LT ARROWS (2)

646.81 PAINTED CURB
STA. 0+56 TO 0+86, LT & RT
STA. 1+40 TO 2+00, RT

646.82 PAINTED ISLAND
STA. 0+56 TO 3+50, &

675.50 REMOVING SIGNS
AS SHOWN - I



* MATCH EXISTING PAVEMENT MARKINGS

GENERAL LEGEND

- = EXISTING HYDRANT
- = EXISTING DI
- = EXISTING SEWER MANHOLE
- = EXISTING WATER SHUTOFF
- = EXISTING MAILBOX
- = EXISTING PULL BOX
- = EXISTING LIGHT POLE
- = EXISTING DELINEATOR
- = EXISTING UTILITY POLE
- = EXISTING SIGNAL HEAD
- = EXISTING CONTROLLER
- = EXISTING VIDEO VEHICLE DETECTOR
- = PROPOSED VIDEO VEHICLE DETECTOR
- = PROPOSED VIDEO DETECTION AREA
- = EXISTING GUARDRAIL
- = PROPOSED GUARDRAIL

SIGN LEGEND

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

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #1**



NOTE:
ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(1)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154101.i

PLOT DATE: 19-JAN-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 30 OF 49

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 3+50 TO 9+50.0, RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID LT & RT

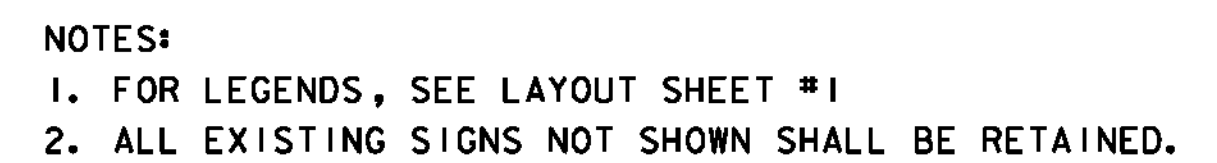
646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 8+39, LT "AHEAD" (2)
STA. 8+72, LT "STOP" (2)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 3+50 TO 9+50, SOLID RT
STA. 3+50 TO 8+00, DASHED RT
STA. 3+50 TO 6+28, DASHED LT
STA. 3+50 TO 8+42, SOLID LT
STA. 9+45 TO 9+50, SOLID LT

646,642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 6+28 TO 9+45, SOLID LT
STA. 8+00 TO 9+50, DOTTED RT
STA. 8+42 TO 9+42, LT (RAMP F)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 8+39, LT "AHEAD" (2)
STA. 8+72, LT "STOP" (2)

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 9



PROJECT LAYOUT SHEET #2

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154I02.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 31 OF 49



- 616.35 TREATED TIMBER CURB
STA. 12+89.5 TO 15+50, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 9+50.0 TO 14+94.0, RT
STA. 12+89.5 TO 15+50, LT
STA. 15+21.5 TO 15+50.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 15+21.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 9+50 TO 14+94, RT
STA. 12+89.5 TO 15+50, LT
STA. 15+32 TO 15+50, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 9+50 TO 12+93, SOLID LT
STA. 9+50 TO 12+19, SOLID RT
STA. 11+15, SOLID LT (RAMP G)
STA. 11+26 TO 11+57, SOLID LT (RAMP G)
STA. 14+72 TO 15+50, SOLID LT
STA. 14+72 TO 15+50, DOTTED LT
STA. 15+04 TO 15+50, SOLID RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE & BREAKS FOR SIDE ROADS)
STA. 9+50 TO 11+08, SOLID LT & RT
STA. 11+70 TO 15+50, SOLID LT & RT

646.421 DURABLE 6 INCH WHITE LINE, TYPE I TAPE
STA. 11+15, SOLID LT (RAMP G)
STA. 12+19 TO 14+99, SOLID RT (RAMP E)
STA. 12+91 TO 14+72, SOLID LT (RAMP D)

646.431 DURABLE 6 INCH YELLOW LINE, TYPE I TAPE
STA. 11+07 TO 11+26, SOLID LT (RAMP G)
STA. 12+85 TO 12+97, SOLID LT (RAMP D)

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 9+50 TO 10+03, DOTTED RT
STA. 10+03 TO 11+04, SOLID RT
STA. 11+04 TO 11+73, DOTTED RT
STA. 11+73 TO 15+04, SOLID RT (INCLUDING CHEVRONS)
STA. 12+19 TO 15+01, RT (RAMP E)
STA. 12+93 TO 14+72, LT (INCLUDING CHEVRONS)
STA. 12+97 TO 14+72, LT (RAMP D)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
STA. 11+04, RT (NORTHBOUND)
STA. 11+15, LT (RAMP G)
STA. 11+92, LT (SOUTHBOUND)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 10+06, RT ARROW
STA. 10+51, RT "ONLY"
STA. 10+94, RT ARROW
STA. 13+86, LT ARROW (RAMP D)
STA. 14+26, LT "ONLY" (RAMP D)
STA. 14+66, LT ARROW (RAMP D)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 9+50 TO 12+93, SOLID LT
STA. 9+50 TO 12+19, SOLID RT
STA. 11+15, SOLID LT (RAMP G)
STA. 11+26 TO 11+57, SOLID LT (RAMP G)
STA. 14+72 TO 15+50, SOLID LT
STA. 14+72 TO 15+50, DOTTED LT
STA. 15+04 TO 15+50, SOLID RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE & BREAKS FOR SIDE ROADS)
STA. 9+50 TO 11+08, SOLID LT & RT
STA. 11+70 TO 15+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. 11+15, SOLID LT (RAMP G)
STA. 12+19 TO 14+99, SOLID RT (RAMP E)
STA. 12+91 TO 14+72, SOLID LT (RAMP D)

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. 11+07 TO 11+26, SOLID LT (RAMP G)
STA. 12+85 TO 12+97, SOLID LT (RAMP D)

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 9+50 TO 10+03, DOTTED RT
STA. 10+03 TO 11+04, SOLID RT
STA. 11+04 TO 11+73, DOTTED RT
STA. 11+73 TO 15+04, SOLID RT (INCLUDING CHEVRONS)
STA. 12+19 TO 15+01, RT (RAMP E)
STA. 12+93 TO 14+72, LT (INCLUDING CHEVRONS)
STA. 12+97 TO 14+72, LT (RAMP D)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 11+04, RT (NORTHBOUND)
STA. 11+15, LT (RAMP G)
STA. 11+92, LT (SOUTHBOUND)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 10+06, RT ARROW
STA. 10+51, RT "ONLY"
STA. 10+94, RT ARROW
STA. 13+86, LT ARROW (RAMP D)
STA. 14+26, LT "ONLY" (RAMP D)
STA. 14+66, LT ARROW (RAMP D)
- The diagram illustrates the project layout for VT Route 100, showing the intersection with Ramps G, D, and E. The main roadway is divided into Northbound and Southbound lanes. Key features include:
 - **Ramp G:** SB. OFF RAMP, STA. 11+15 = MM 0.211.
 - **Ramp D:** SB. ON RAMP, STA. 14+08 = MM 0.267.
 - **Ramp E:** SB. ON RAMP, STA. 13+57 = MM 0.257.
 - **Dimensions:** Various lane widths (e.g., 14'-0", 16'-0", 11'-0") and offsets are shown.
 - **Markings:** Pavement markings include solid and dotted lines, arrows, and stop bars.
 - **Signage:** Signs for "NO TURN ON RED" and "ONLY" are indicated.
 - **Match Lines:** STA. 9+50 on the left and STA. 15+50 on the right.
 - **Labels:** "LIMIT OF COLD PLANING AND PAVING MATCH EXISTING PAVEMENT MARKINGS" and "RETAIN EXISTING GUARDRAIL" are present.
 - **Other:** "VT ROUTE 100" is labeled, and "SOUTHBOUND" and "NORTHBOUND" directions are clearly marked.
- NOTES:
1. FOR LEGENDS, SEE LAYOUT SHEET #1
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
- NOT TO SCALE
- PROJECT
LAYOUT
SHEET #3
-
- | | |
|-----------------|--------------|
| PROJECT NAME: | WATERBURY |
| PROJECT NUMBER: | STP 2201(I) |
| FILE NAME: | p99b154.dgn |
| PROJECT LEADER: | JLL |
| DESIGNED BY: | STANTEC |
| IPARM FILE: | p99b154103.i |
| PLOT DATE: | 12/7/2010 |
| DRAWN BY: | STANTEC |
| CHECKED BY: | STANTEC |
| SHEET | 32 OF 49 |

616.35 TREATED TIMBER CURB
STA. 15+50 TO 17+77, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 15+50.0 TO 17+64.5, LT
STA. 15+50.0 TO 17+59.0, RT
STA. 20+74.5 TO 21+37.0, RT
STA. 20+79.0 TO 21+41.5, LT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 21+37, RT
STA. 21+41.5, LT

621.70 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE I
STA. 17+59.0 TO 18+09.0, RT
STA. 20+29.0 TO 20+79.0, LT
(SEE BRIDGE DETAIL SHEET)

621.71 GUARDRAIL APPROACH SECTION, GALVANIZED TYPE II
STA. 17+64.5 TO 17+77.0, LT
STA. 20+62.0 TO 20+74.5, RT
(SEE BRIDGE DETAIL SHEET)

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 15+50.0 TO 18+09.0, RT
STA. 15+50 TO 17+77.0, LT
STA. 20+29.0 TO 21+33.0, LT
STA. 20+62 TO 21+37.0, RT

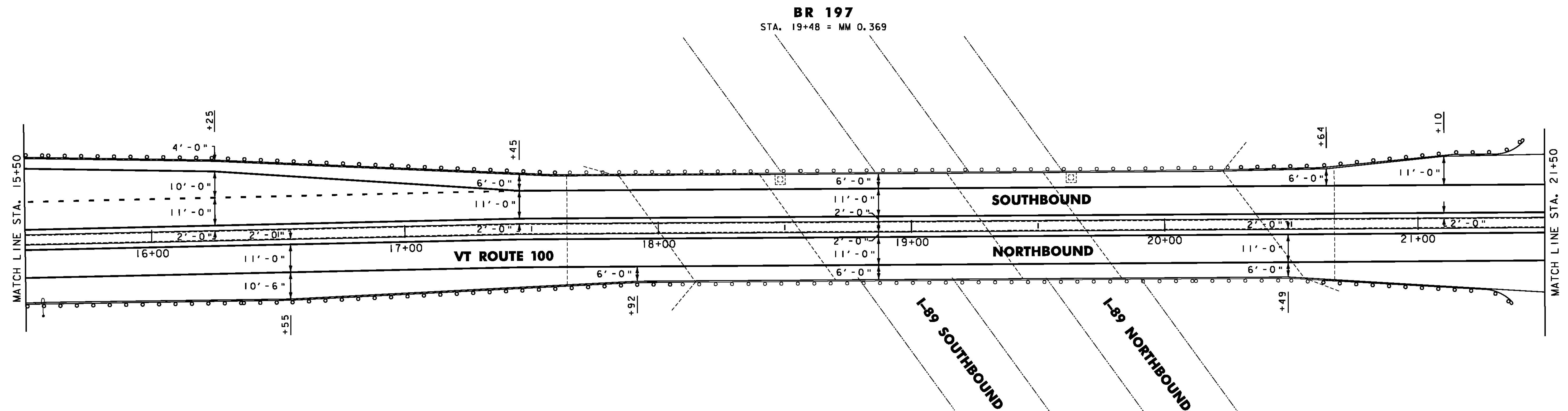
646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 15+50 TO 21+50, SOLID LT & RT
STA. 15+50 TO 17+45, DOTTED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 15+50 TO 21+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 15+50 TO 21+50, SOLID LT & RT
STA. 15+50 TO 17+45, DOTTED LT

646.82 PAINTED ISLAND
STA. 15+50 TO 21+50, C

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 15+50 TO 21+50, SOLID LT & RT



NOTES:

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

NOT TO SCALE

PROJECT
LAYOUT
SHEET #4



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(1)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154104.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 33 OF 49

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 21+50 TO 24+81, SOLID RT
STA. 21+50 TO 23+64, SOLID LT
STA. 22+02 TO 23+54, DOTTED RT
STA. 23+54 TO 24+81, SOLID RT (LANE LINE)
STA. 25+55 TO 27+50, SOLID LT (LANE LINE)
STA. 25+76 TO 26+90, SOLID RT
STA. 26+29 TO 27+50, SOLID LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 21+50 TO 26+33, SOLID LT & RT
STA. 27+16 TO 27+50, SOLID LT & RT

646.421 DURABLE 6 INCH WHITE LINE, TYPE I TAPE
STA. 23+70 TO 26+29, SOLID LT (RAMP A)
STA. 24+81 TO 25+58, SOLID RT (RAMP C)
STA. 27+20, RT (RAMP B) (LANE LINE)
STA. 27+45 TO 27+50, RT (RAMP B)

646.431 DURABLE 6 INCH YELLOW LINE, TYPE I TAPE
STA. 26+90 TO 26+95, SOLID RT (RAMP B)

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 23+64 TO 25+55, LT (INCLUDING CHEVRONS)
STA. 23+68 TO 25+55, LT (RAMP A)
STA. 24+81 TO 25+76, RT (INCLUDING CHEVRONS)
STA. 24+81 TO 25+68, RT (RAMP C)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
STA. 27+20, RT (RAMP B)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 23+56, RT ARROW
STA. 24+16, RT "ONLY"
STA. 24+75, RT ARROW
STA. 25+60, LT ARROW
STA. 26+17, LT "ONLY"
STA. 26+70, LT ARROW
STA. 27+07, RT ARROW
STA. 27+07, RT "ONLY"
STA. 27+24, LT "ONLY"
STA. 27+37, RT ARROW
STA. 27+37, RT "ONLY"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 21+50 TO 24+81, SOLID RT
STA. 21+50 TO 23+64, SOLID LT
STA. 22+02 TO 23+54, DOTTED RT
STA. 23+54 TO 24+81, SOLID RT (LANE LINE)
STA. 25+55 TO 27+50, SOLID LT (LANE LINE)
STA. 25+76 TO 26+90, SOLID RT
STA. 26+29 TO 27+50, SOLID LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 21+50 TO 26+33, SOLID LT & RT
STA. 27+16 TO 27+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. 23+70 TO 26+29, SOLID LT (RAMP A)
STA. 24+81 TO 25+58, SOLID RT (RAMP C)
STA. 27+20, RT (RAMP B) (LANE LINE)
STA. 27+45 TO 27+50, RT (RAMP B)

646.632 TEMPORARY 6 INCH YELLOW LINE, PAINT
STA. 26+90 TO 26+95, RT (RAMP B)

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 23+64 TO 25+55, LT (INCLUDING CHEVRONS)
STA. 23+68 TO 25+55, LT (RAMP A)
STA. 24+81 TO 25+76, RT (INCLUDING CHEVRONS)
STA. 24+81 TO 25+68, RT (RAMP C)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 27+20, RT (RAMP B)

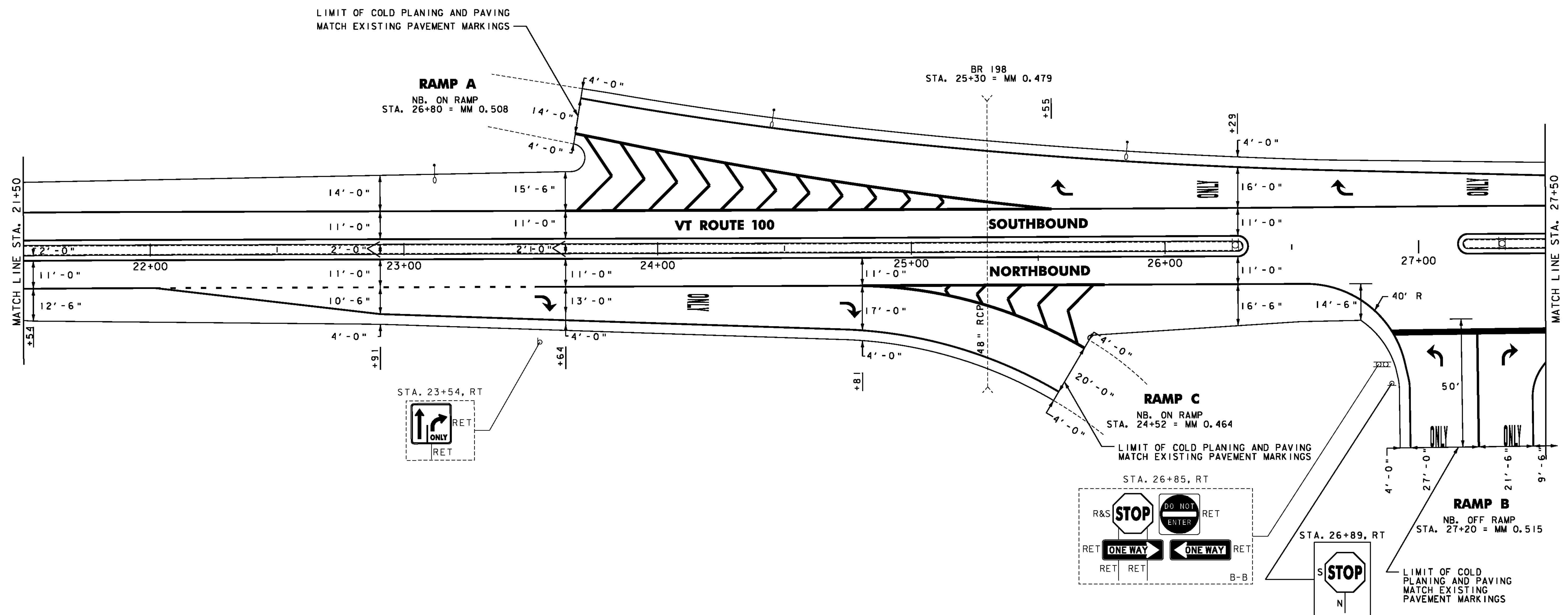
646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 23+56, RT ARROW
STA. 24+16, RT "ONLY"
STA. 24+75, RT ARROW
STA. 25+60, LT ARROW
STA. 26+17, LT "ONLY"
STA. 26+70, LT ARROW
STA. 27+07, RT ARROW
STA. 27+07, RT "ONLY"
STA. 27+24, LT "ONLY"
STA. 27+37, RT ARROW
STA. 27+37, RT "ONLY"

646.81 PAINTED CURB
STA. 26+01 TO 26+31, LT & RT
STA. 27+17 TO 27+47, LT & RT

646.82 PAINTED ISLAND
STA. 21+50 TO 26+31, C
STA. 27+17 TO 27+50, C

675.50 REMOVING SIGNS
AS SHOWN - I

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



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

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #5**



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 220(I)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154105.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 34 OF 49

604.412 OR 604.415 REHAB.
DIS. CBS OR MHS. CLASS I OR II
STA. 30+10, RT
STA. 31+30, RT
STA. 32+36, LT

616.41 REMOVAL OF EXISTING CURB
STA. 31+30 TO 31+71, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 33+35.5 TO 33+48.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 33+48.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 33+35.5 TO 33+48.0, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT
STA. 27+50 TO 27+85, SOLID LT
STA. 27+63 TO 33+50, SOLID RT
STA. 27+85 TO 30+07, DOTTED LT
STA. 30+35 TO 32+60, DOTTED RT
STA. 32+60 TO 33+50, SOLID RT (LANE LINE)

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS FOR SIDE ROADS)
STA. 27+50 TO 28+10, SOLID RT
STA. 27+50 TO 31+50, SOLID LT
STA. 28+10 TO 32+25, DOUBLE SOLID RT
STA. 28+60 TO 31+50, SOLID RT
STA. 31+50 TO 32+25, DOUBLE SOLID LT
STA. 32+25 TO 33+50, SOLID LT & RT

646.421 DURABLE 6 INCH WHITE LINE, TYPE I TAPE
STA. 27+50 TO 27+63, RT (RAMP B)

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 30+07 TO 33+50, LT (DIAGONALS)

646.451 DURABLE 8 INCH YELLOW LINE, TYPE I TAPE
STA. 28+60 TO 32+25, RT (DIAGONALS)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 27+82, LT ARROW
STA. 28+41, RT "SIGNAL"
STA. 28+81, RT "AHEAD"
STA. 32+64, RT ARROW
STA. 32+67, RT ARROW (2)
STA. 33+35, RT "ONLY"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 27+50 TO 33+50, SOLID LT
STA. 27+50 TO 27+85, SOLID LT
STA. 27+63 TO 33+50, SOLID RT
STA. 27+85 TO 30+07, DOTTED LT
STA. 30+35 TO 32+60, DOTTED RT
STA. 32+60 TO 33+50, SOLID RT (LANE LINE)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS FOR SIDE ROADS)
STA. 27+50 TO 28+10, SOLID RT
STA. 27+50 TO 31+50, SOLID LT
STA. 28+10 TO 32+25, DOUBLE SOLID RT
STA. 28+60 TO 31+50, SOLID RT
STA. 31+50 TO 32+25, DOUBLE SOLID LT
STA. 32+25 TO 33+50, SOLID LT & RT

646.622 TEMPORARY 6 INCH WHITE LINE, PAINT
STA. 27+50 TO 27+63, RT (RAMP B)

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 30+07 TO 33+50, LT (DIAGONALS)

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 28+60 TO 32+25, RT (DIAGONALS)

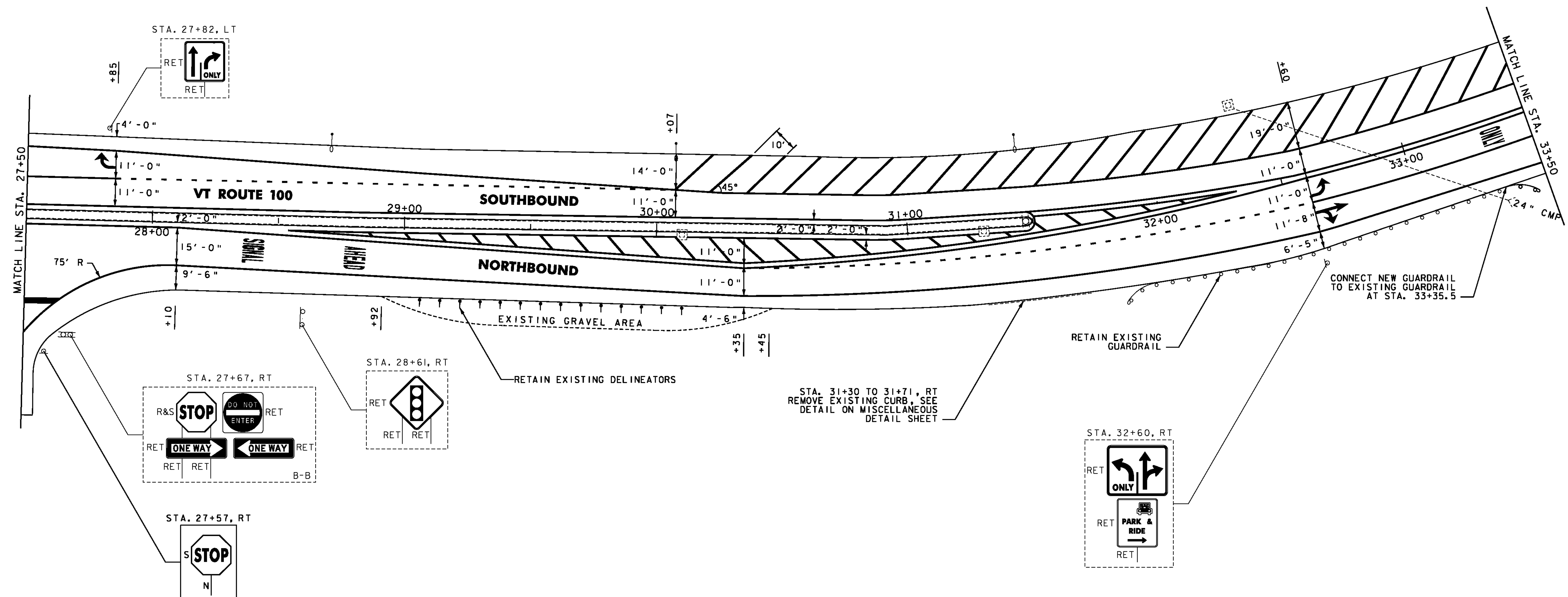
646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 27+82, LT ARROW
STA. 28+41, RT "SIGNAL"
STA. 28+81, RT "AHEAD"
STA. 32+64, RT ARROW
STA. 32+67, RT ARROW (2)
STA. 33+35, RT "ONLY"

646.81 PAINTED CURB
STA. 30+62 TO 31+50, LT & RT

646.82 PAINTED ISLAND
STA. 27+50 TO 31+50, Q

675.50 REMOVING SIGNS
AS SHOWN - I

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



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

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #6**



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 220(I)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154106.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 35 OF 49

604.412 OR 604.415 REHAB.
DIS. CBS OR MHS. CLASS I OR II
STA. 37+44, LT
STA. 37+66, LT
STA. 38+30, LT
STA. 39+06, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 34+62.0 TO 39+50.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 34+62.0 TO 39+50.0, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT
STA. 33+50 TO 34+10, SOLID RT (LANE LINE)
STA. 34+57, DOUBLE SOLID RT (STOWE ST)
STA. 34+58, DOUBLE SOLID LT (BLUSH HILL RD)
STA. 35+55 TO 36+58, SOLID LT (LANE LINE)
STA. 36+58 TO 37+38, DOTTED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE & BREAKS FOR SIDE ROADS)
STA. 33+50 TO 34+10, SOLID LT & RT
STA. 34+57, DOUBLE SOLID RT (STOWE ST)
STA. 34+58, DOUBLE SOLID LT (BLUSH HILL RD)
STA. 35+55 TO 37+38 (DOUBLE SOLID RT)
STA. 37+38 TO 39+50, SOLID LT & RT
STA. 37+38 TO 39+50, DASHED LT & RT

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 33+50 TO 34+12, LT (DIAGONALS)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
STA. 34+10, RT
STA. 34+57, RT (STOWE ST)
STA. 34+58, LT (BLUSH HILL RD)
STA. 35+55, LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 33+98, RT ARROW (2)
STA. 34+00, RT ARROW
STA. 35+66, LT ARROW
STA. 36+07, LT "ONLY"
STA. 36+54, LT ARROW
STA. 37+41, & ARROW
STA. 38+60, & ARROW

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 33+50 TO 39+50, SOLID LT & RT
STA. 33+50 TO 34+10, SOLID RT (LANE LINE)
STA. 34+57, DOUBLE SOLID RT (STOWE ST)
STA. 34+58, DOUBLE SOLID LT (BLUSH HILL RD)
STA. 35+55 TO 36+58, SOLID LT (LANE LINE)
STA. 36+58 TO 37+38, DOTTED LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE & BREAKS FOR SIDE ROADS)
STA. 33+50 TO 34+10, SOLID LT & RT
STA. 34+57, DOUBLE SOLID RT (STOWE ST)
STA. 34+58, DOUBLE SOLID LT (BLUSH HILL RD)
STA. 35+55 TO 37+38 (DOUBLE SOLID RT)
STA. 37+38 TO 39+50, SOLID LT & RT
STA. 37+38 TO 39+50, DASHED LT & RT

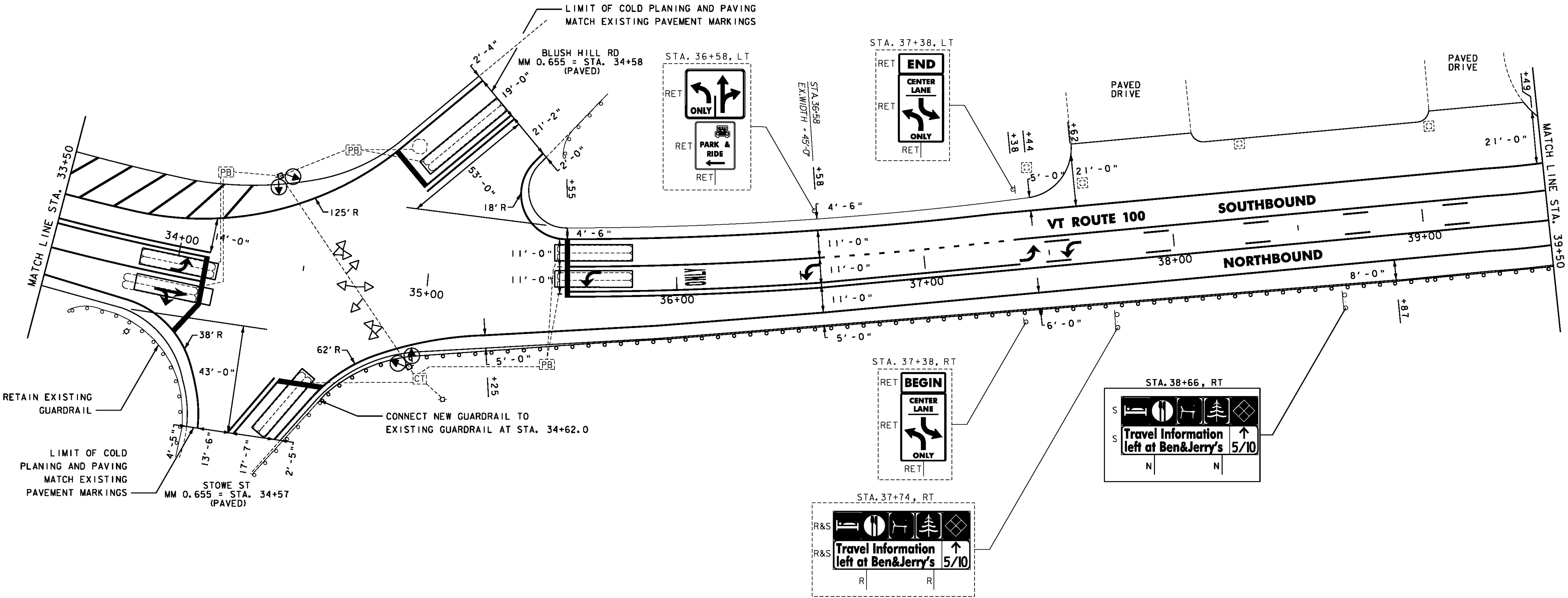
646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 33+50 TO 34+12, LT (DIAGONALS)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 34+10, RT
STA. 34+57, RT (STOWE ST)
STA. 34+58, LT (BLUSH HILL RD)
STA. 35+55, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 33+98, RT ARROW (2)
STA. 34+00, RT ARROW
STA. 35+66, LT ARROW
STA. 36+07, LT "ONLY"
STA. 36+54, LT ARROW
STA. 37+41, & ARROW
STA. 38+60, & ARROW

675.50 REMOVING SIGNS
AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 2



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

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #7**



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 220(I)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154107.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 36 OF 49

604.412 OR 604.415 REHAB,
DLS, CBS OR MHS, CLASS I OR II
STA. 40+70, LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 39+50.0 TO 39+87.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 39+87.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 39+50.0 TO 39+87.0, RT

629.20 ADJUST ELEVATION OF VALVE BOX

STA. 40+81, RT
STA. 43+32, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT
STA. 40+50 TO 41+60, DOTTED RT (LANE LINE)
STA. 41+60 TO 42+63, SOLID RT (LANE LINE)
STA. 43+00, DOUBLE SOLID RT (SHAW'S)
STA. 43+20, RT (SHAW'S LANE LINE)
STA. 43+30 TO 45+44, SOLID LT (LANE LINE)
STA. 45+44 TO 45+50, DOTTED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 39+50 TO 41+16, SOLID LT & RT
STA. 39+50 TO 41+16, DASHED RT
STA. 39+50 TO 41+60, DASHED LT
STA. 41+16 TO 42+30, SOLID LT
STA. 41+16 TO 42+64, DOUBLE SOLID LT & RT
STA. 43+00, DOUBLE SOLID RT (SHAW'S)
STA. 43+30 TO 45+50, DOUBLE SOLID RT

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 40+55 TO 40+67, RT (HYDRANT)

646.451 DURABLE 8 INCH YELLOW LINE, TYPE I TAPE
STA. 41+39 TO 42+64, C (DIAGONALS)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE

STA. 42+63, RT
STA. 43+20, RT (SHAW'S)
STA. 43+30, LT

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE

STA. 40+72, C ARROW
STA. 40+90, C ARROW
STA. 41+64, RT ARROW
STA. 42+11, RT "ONLY"
STA. 42+54, RT ARROW
STA. 43+14, RT ARROW (SHAW'S)
STA. 43+26, RT ARROW (SHAW'S)
STA. 43+41, C ARROW
STA. 43+93, C "ONLY"
STA. 44+41, C ARROW
STA. 44+88, C "ONLY"
STA. 45+40, C ARROW

646.501 DURABLE CROSSWALK MARKING, TYPE I TAPE
STA. 42+65 TO 43+31, RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIUS FOR SIDE ROADS)
STA. 39+50 TO 45+50, SOLID LT & RT
STA. 40+50 TO 41+60, DOTTED RT (LANE LINE)
STA. 41+60 TO 42+63, SOLID RT (LANE LINE)
STA. 43+00, DOUBLE SOLID RT (SHAW'S)
STA. 43+20, RT (SHAW'S LANE LINE)
STA. 43+30 TO 45+44, SOLID LT (LANE LINE)
STA. 45+44 TO 45+50, DOTTED LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 39+50 TO 41+16, SOLID LT & RT
STA. 39+50 TO 41+16, DASHED RT
STA. 39+50 TO 41+60, DASHED LT
STA. 41+16 TO 42+30, SOLID LT
STA. 41+16 TO 42+64, DOUBLE SOLID LT & RT
STA. 43+00, DOUBLE SOLID RT (SHAW'S)
STA. 43+30 TO 45+50, DOUBLE SOLID RT

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 40+55 TO 40+67, RT (HYDRANT)

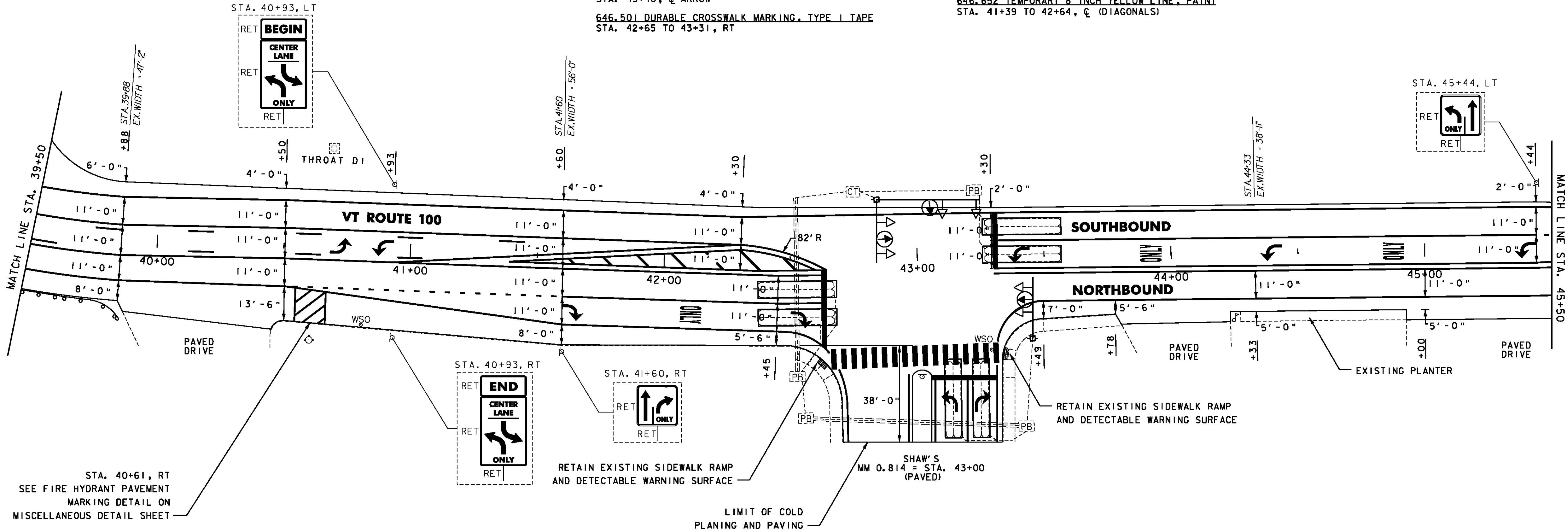
646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 41+39 TO 42+64, C (DIAGONALS)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 42+63, RT
STA. 43+20, RT (SHAW'S)
STA. 43+30, LT

646.692 TEMPORARY LETTER OR SYMBOL, PAINT

STA. 40+72, C ARROW
STA. 40+90, C ARROW
STA. 41+64, RT ARROW
STA. 42+11, RT "ONLY"
STA. 42+54, RT ARROW
STA. 43+14, RT ARROW (SHAW'S)
STA. 43+26, RT ARROW (SHAW'S)
STA. 43+41, C ARROW
STA. 43+93, C "ONLY"
STA. 44+41, C ARROW
STA. 44+88, C "ONLY"
STA. 45+40, C ARROW

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 42+65 TO 43+31, RT



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

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #8**



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(I)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154108.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 37 OF 49

604.412 OR 604.415 REHAB,
DIS. CBS OR MHS, CLASS I OR II
STA. 49+94, LT

616.35 TREATED TIMBER CURB
STA. 46+55 TO 51+50, RT

617.10 RELOCATE MAILBOX, SINGLE SUPPORT
STA. 49+53, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 46+42.0 TO 51+50.0, RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA. 46+42.0, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 46+42.0 TO 51+50.0, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT
STA. 45+50 TO 46+64, DOTTED LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 45+50 TO 45+90, DOUBLE SOLID RT
STA. 45+90 TO 47+46, DOUBLE SOLID LT & RT
STA. 47+46 TO 51+50, SOLID LT & RT

646.451 DURABLE 8 INCH YELLOW LINE, TYPE I TAPE
STA. 45+90 TO 47+46, C (DIAGONALS)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 48+80, LT "AHEAD"
STA. 49+20, LT "SIGNAL"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 45+50 TO 51+50, SOLID LT & RT
STA. 45+50 TO 46+64, DOTTED LT

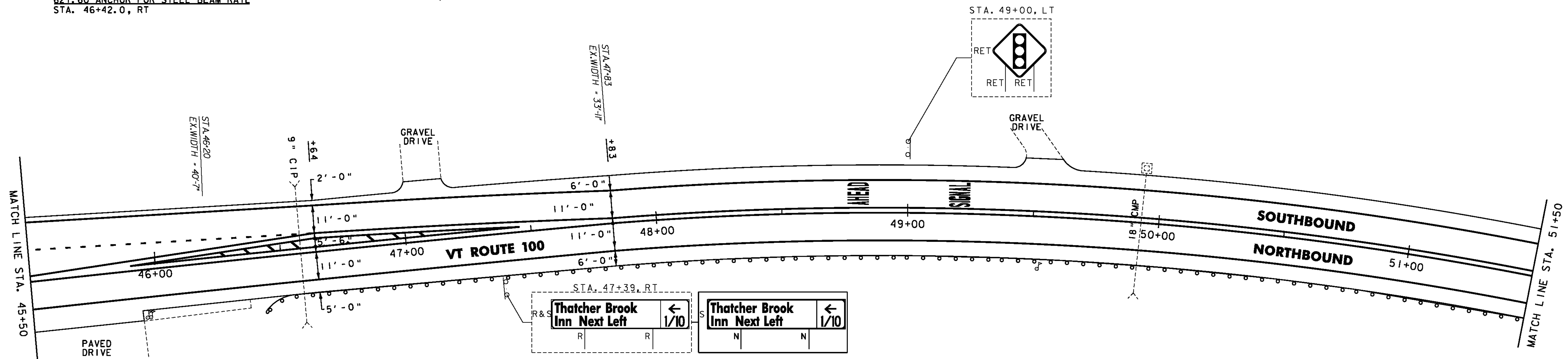
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 45+50 TO 45+90, DOUBLE SOLID RT
STA. 45+90 TO 47+46, DOUBLE SOLID LT & RT
STA. 47+46 TO 51+50, SOLID LT & RT

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 45+90 TO 47+46, C (DIAGONALS)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 48+80, LT "AHEAD"
STA. 49+20, LT "SIGNAL"

675.50 REMOVING SIGNS
AS SHOWN - I

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - I



604.412 OR 604.415 REHAB,
DIS. CBS OR MHS, CLASS I OR II
STA. 52+04, LT
STA. 52+04, LT
STA. 54+50, RT
STA. 54+51, LT
STA. 56+96, RT
STA. 57+18, LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 56+96, RT

616.35 TREATED TIMBER CURB
STA. 51+50 TO 52+00, RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA. 51+50.0 TO 52+17.0, RT
STA. 54+11.0 TO 55+23.5, RT

621.60 ANCHOR FOR STEEL BEAM RAIL

STA. 52+17.0, RT
STA. 54+11.0, RT
STA. 55+23.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 51+50.0 TO 52+17.0, RT
STA. 54+11.0 TO 55+14.0, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT
STA. 53+83, DOUBLE SOLID RT (MILL RD)

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT
STA. 53+83, DOUBLE SOLID RT (MILL RD)

646.441 DURABLE 8 INCH WHITE LINE, TYPE I TAPE
STA. 54+54 TO 54+66, LT (HYDRANT)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
STA. 53+83, RT (MILL RD)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
STA. 53+83, RT "STOP"

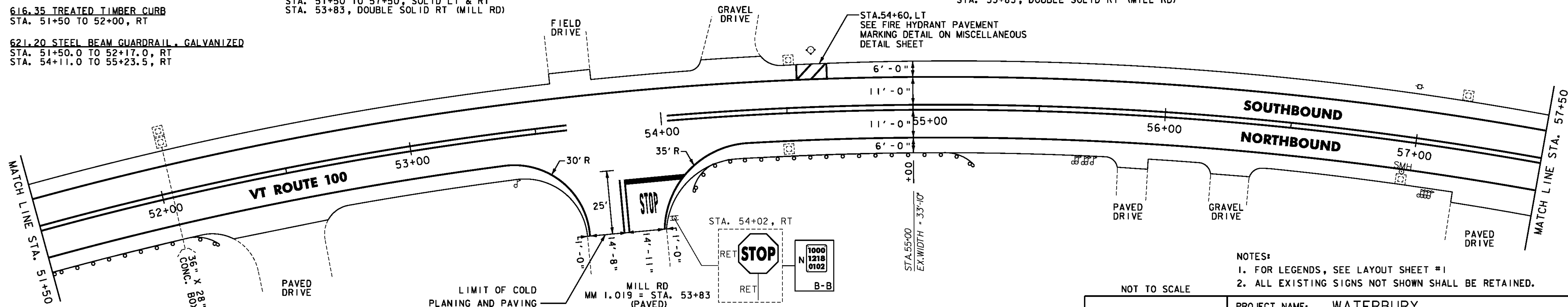
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT
STA. 53+83, DOUBLE SOLID RT (MILL RD)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 51+50 TO 57+50, SOLID LT & RT
STA. 53+83, DOUBLE SOLID RT (MILL RD)

646.642 TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 54+54 TO 54+66, LT (HYDRANT)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 53+83, RT (MILL RD)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 53+83, RT "STOP"



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

NOT TO SCALE

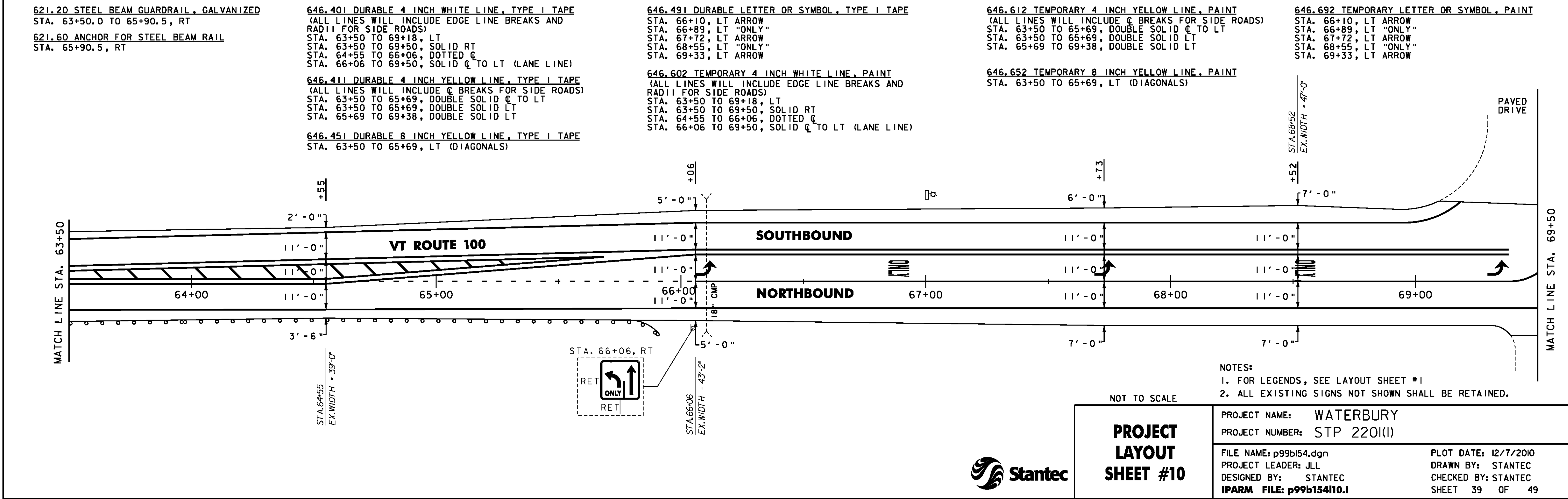
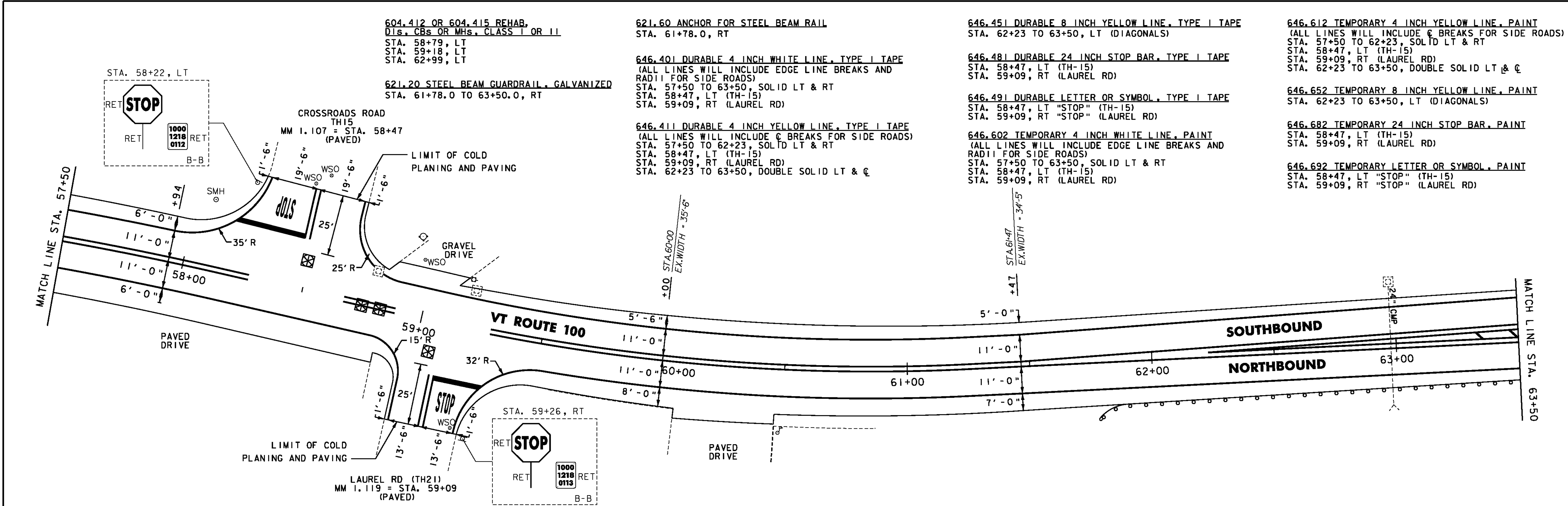
**PROJECT
LAYOUT
SHEET #9**

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 220(I)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154109.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 38 OF 49





621.20 STEEL BEAM GUARDRAIL, GALVANIZED

STA. 73+19.0 TO 73+56.5, LT
STA. 73+19.0 TO 73+56.5, RT
STA. 73+81.5 TO 74+06.5, LT
STA. 73+81.5 TO 74+06.5, RT

621.206 STEEL BEAM GUARDRAIL, GALVANIZED NESTED

STA. 73+56.5 TO 73+81.5, LT
STA. 73+56.5 TO 73+81.5, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 69+50 TO 75+50, SOLID RT
STA. 69+50 TO 69+57, SOLID LT (LANE LINE)
STA. 69+84 TO 75+50, SOLID LT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE

(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 70+00 TO 73+00, DOUBLE SOLID LT & C
STA. 73+00 TO 75+50, SOLID LT & RT

621.60 ANCHOR FOR STEEL BEAM RAIL

STA. 73+19.0, LT
STA. 73+19.0, RT
STA. 74+06.5, LT
STA. 74+06.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 73+15.5 TO 74+03.0, LT

646.451 DURABLE 8 INCH YELLOW LINE, TYPE I TAPE

STA. 70+00 TO 73+00, LT (DIAGONALS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT

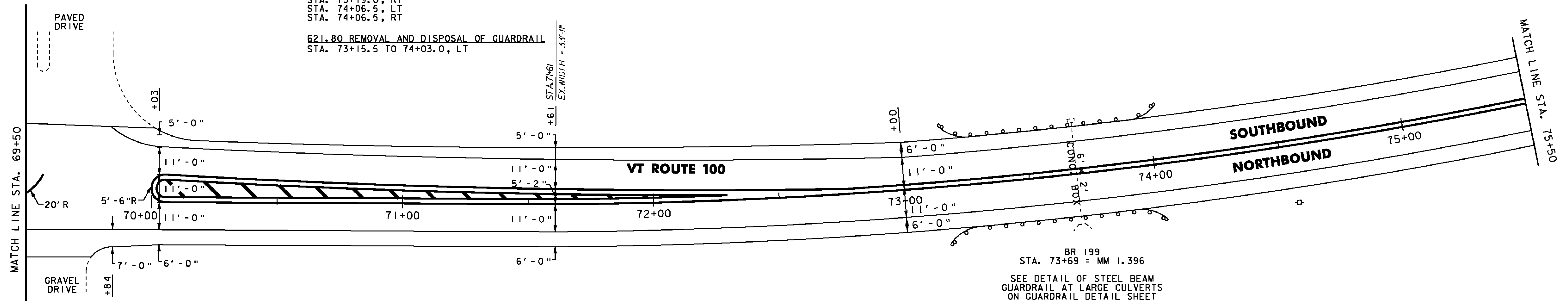
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 69+50 TO 75+50, SOLID RT
STA. 69+50 TO 69+57, SOLID LT (LANE LINE)
STA. 69+84 TO 75+50, SOLID LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT

(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 70+00 TO 73+00, DOUBLE SOLID LT & C
STA. 73+00 TO 75+50, SOLID LT & RT

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT

STA. 70+00 TO 73+00, LT (DIAGONALS)



621.20 STEEL BEAM GUARDRAIL, GALVANIZED

STA. 78+32.0 TO 80+94.5, RT

621.60 ANCHOR FOR STEEL BEAM RAIL

STA. 78+32.0, RT
STA. 80+94.5, RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 78+32.0 TO 80+92.0, RT

646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE

(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT

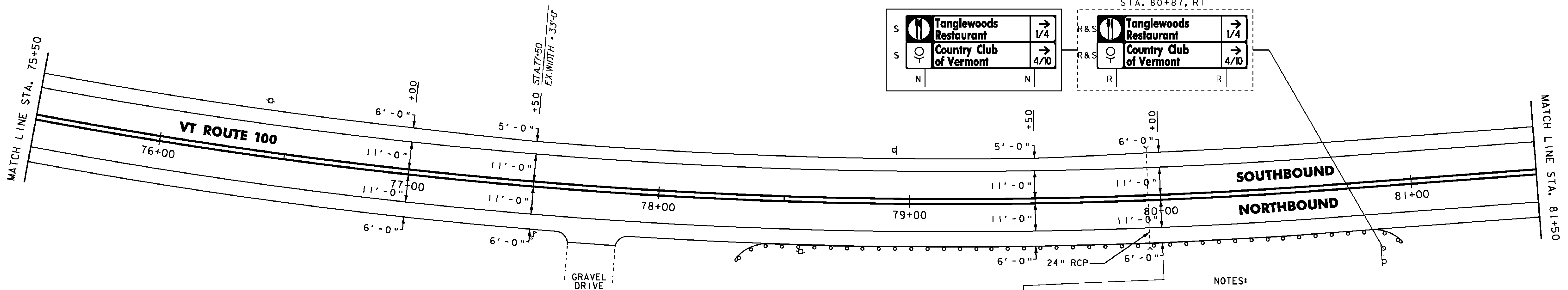
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 75+50 TO 81+50, SOLID LT & RT

675.50 REMOVING SIGNS

AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 2



NOTES:

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

NOT TO SCALE

**PROJECT
LAYOUT
SHEET #11**

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 220(I)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154111.i

PLOT DATE: 27-JAN-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 40 OF 49



646.401 DURABLE 4 INCH WHITE LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 81+50 TO 87+12.00, SOLID LT & RT
STA. 86+20, RT (GUPTIL RD)

646.411 DURABLE 4 INCH YELLOW LINE, TYPE I TAPE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 81+50 TO 87+12.00, SOLID LT & RT
STA. 86+20, RT (GUPTIL RD)

646.481 DURABLE 24 INCH STOP BAR, TYPE I TAPE
86+20, RT (GUPTIL RD)

646.491 DURABLE LETTER OR SYMBOL, TYPE I TAPE
86+20, RT "STOP" (GUPTIL RD)

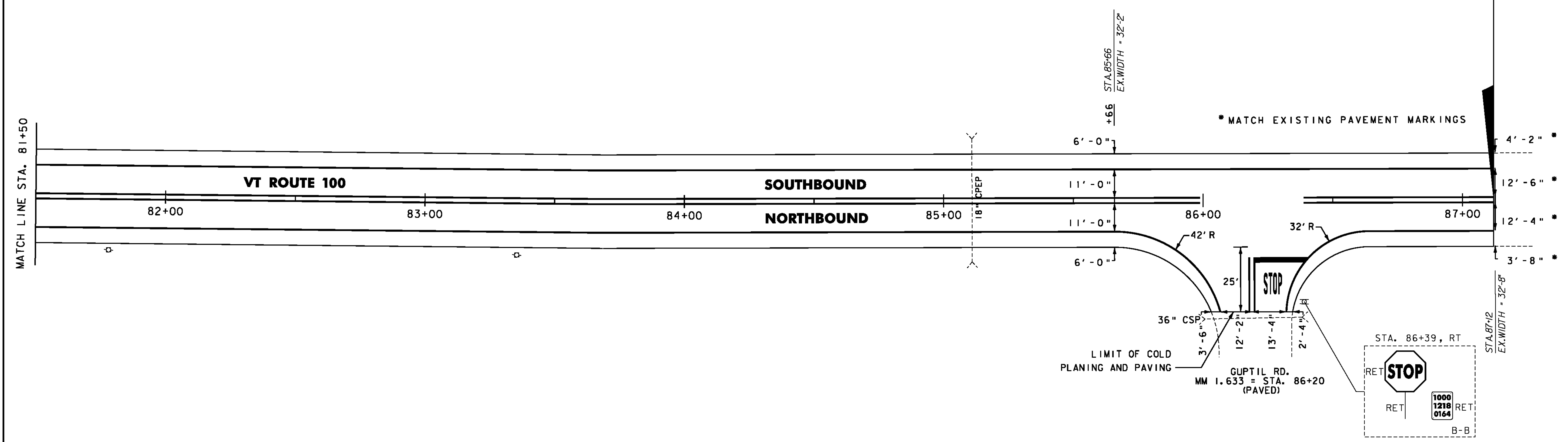
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADIi FOR SIDE ROADS)
STA. 81+50 TO 87+12.00, SOLID LT & RT
STA. 86+20, RT (GUPTIL RD)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 81+50 TO 87+12.00, SOLID LT & RT
STA. 86+20, RT (GUPTIL RD)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
86+20, RT (GUPTIL RD)

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
86+20, RT "STOP" (GUPTIL RD)

END WATERBURY STP 2201(1)
VT ROUTE 100 STA. 87+12.00 = MM 1.650



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

NOT TO SCALE



**PROJECT
LAYOUT
SHEET #12**

PROJECT NAME: WATERBURY	
PROJECT NUMBER: STP 2201(1)	
FILE NAME: p99b154.dgn	PLOT DATE: 12/7/2010
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p99b154112.1	SHEET 41 OF 49

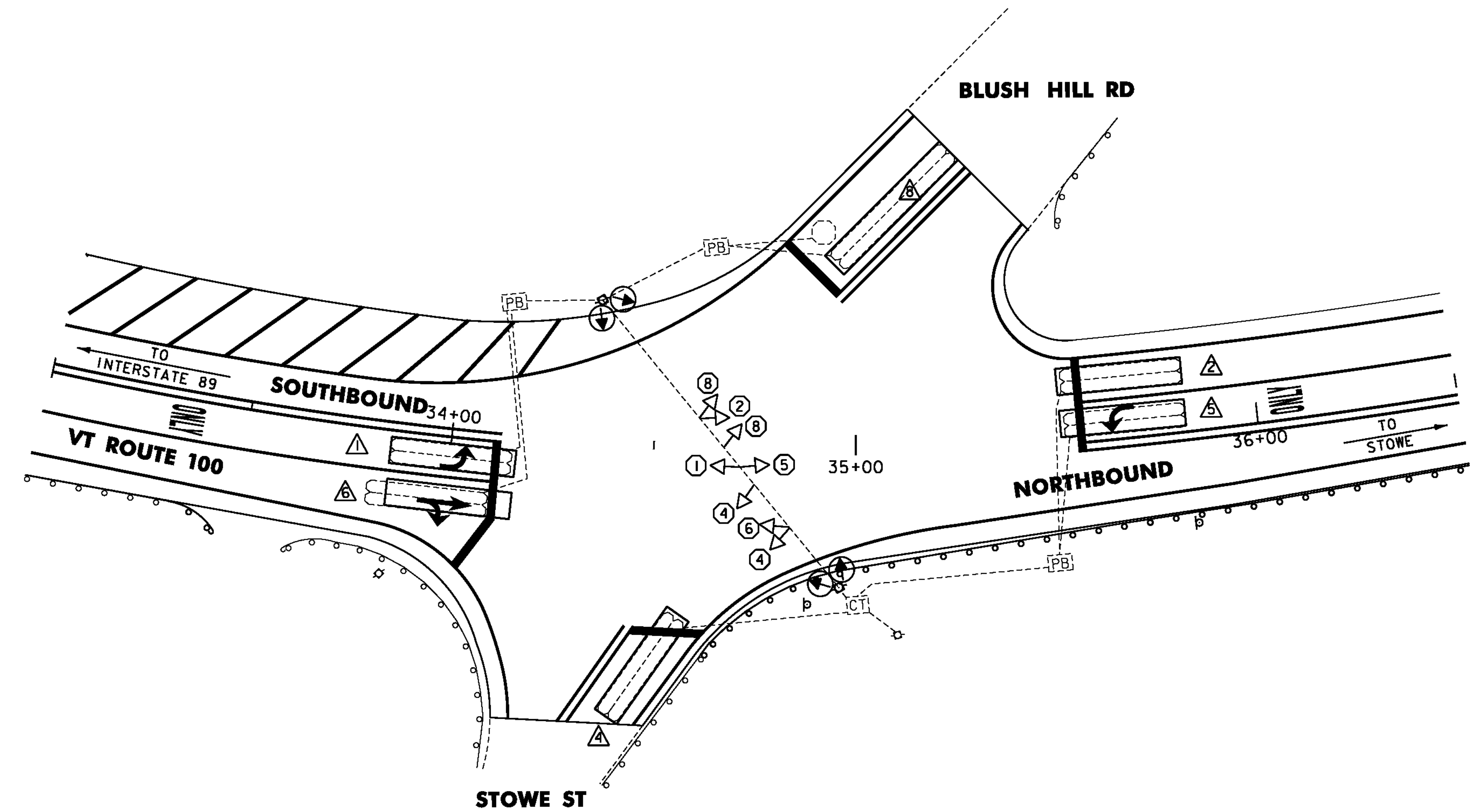
TRAFFIC SIGN SUMMARY SHEET 01



TRAFFIC SIGN SUMMARY SHEET 02



ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 100 @ STOWE ST) STA. 34+57, RT (VT ROUTE 100 @ BLUSH HILL RD) STA. 34+58, LT		
QUANTITY	UNIT	DESCRIPTION
4	EA	VIDEO DETECTOR CAMERA ASSEMBLY
4	EA	VIDEO DETECTOR CAMERA MOUNTING BRACKET
350	LF	VIDEO DETECTOR CABLE



LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
□	EXISTING JUNCTION BOX
[CT]	EXISTING CONTROLLER CABINET
⊕	EXISTING SIGNAL POLE
▭	VIDEO DETECTION AREA
◀	VIDEO DETECTOR CAMERA
◀	EXISTING VIDEO DETECTOR CAMERA
◀	EXISTING SIGNAL
[PB]	EXISTING PULL BOX
⊕	EXISTING PHASE
△	DETECTION AREA

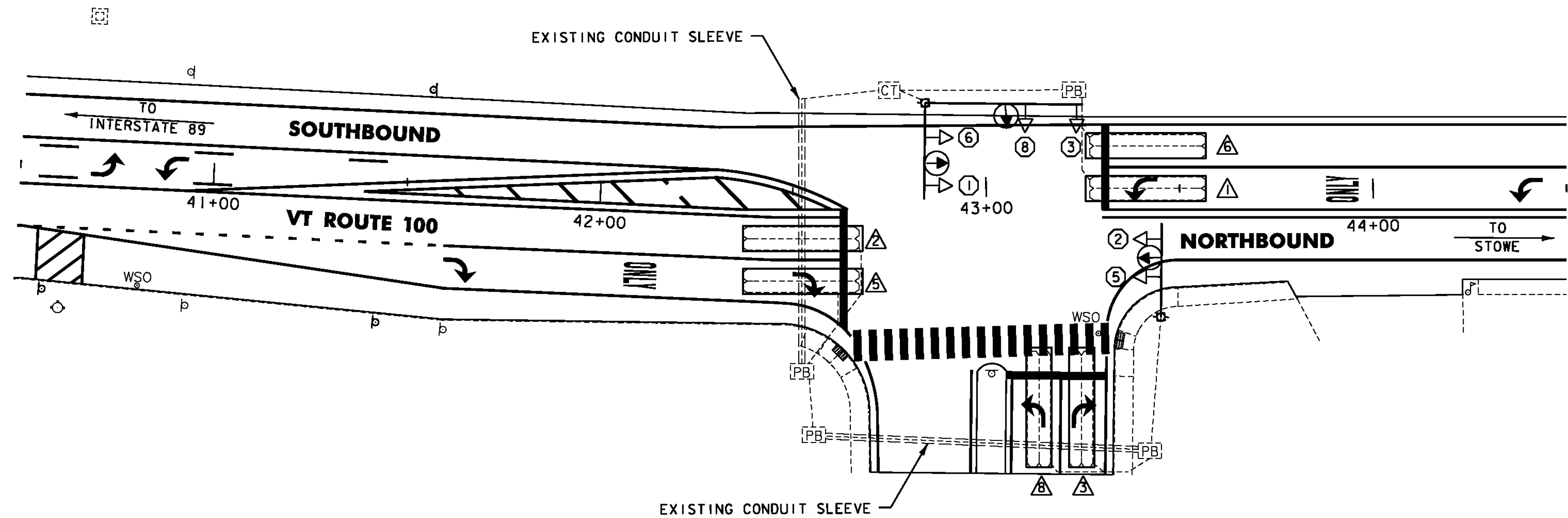
- NOTES:
- THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR VIDEO VEHICLE DETECTOR PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
 - VIDEO VEHICLE DETECTOR CAMERAS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
 - VIDEO DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
 - EXISTING VEHICLE DETECTOR LOOPS SHALL BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. PAYMENT SHALL BE INCIDENTAL TO 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 100 @ BLUSH HILL RD.)
 - ANY OTHER MISCELLANEOUS EQUIPMENT AND LABOR NECESSARY TO PROVIDE A FULLY FUNCTIONAL VIDEO VEHICLE DETECTION SYSTEM SHALL BE INCIDENTAL TO ITEM 900.620, SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 100 @ BLUSH HILL RD.)
 - THE VIDEO DETECTION SYSTEM SHALL BE AN ECONOLITE AUTOSCOPE IMAGE SENSOR - AIS-Y OR TRAFICON VIP SERIES OR ITERIS VERSICAM SYSTEM OR APPROVED EQUAL.
 - ALL EXISTING LOOP DETECTOR EQUIPMENT TO BE SALVAGED IS TO BE REMOVED AND RETURNED BY THE CONTRACTOR TO THE VTRANS TRAFFIC SHOP IN BERLIN, VT WITHIN 48 HOURS OF REMOVAL. CONTACT RUSS VELANDER AT 828-3535 WITH ANY QUESTIONS.

NOT TO SCALE

VIDEO DETECTION SYSTEM SHEET #1	PROJECT NAME: WATERBURY	
	PROJECT NUMBER: STP 220(I)	
	FILE NAME: p99b154.dgn	PLOT DATE: 12/7/2010
	PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC		CHECKED BY: STANTEC
IPARM FILE: p99b154vdss01.i		SHEET 44 OF 49



ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 100 @ SHAW'S INTERSECTION) STA. 43+00, RT		
QUANTITY	UNIT	DESCRIPTION
3	EA	VIDEO DETECTOR CAMERA ASSEMBLY
3	EA	VIDEO DETECTOR CAMERA MOUNTING BRACKET
400	LF	VIDEO DETECTOR CABLE



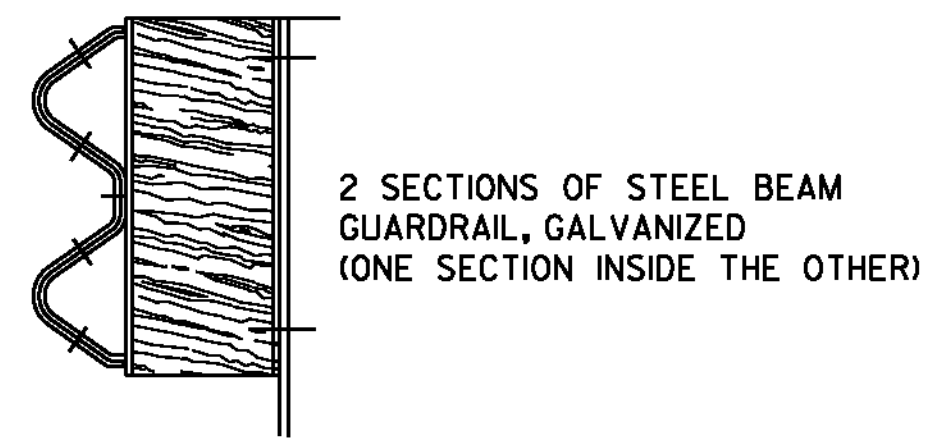
LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
□	EXISTING JUNCTION BOX
[CT]	EXISTING CONTROLLER CABINET
⊕	EXISTING SIGNAL POLE
▭	VIDEO DETECTION AREA
⊙	VIDEO DETECTOR CAMERA
⊙	EXISTING VIDEO DETECTOR CAMERA
⊙	EXISTING SIGNAL
[PB]	EXISTING PULL BOX
⊕	EXISTING PHASE
⊙	DETECTOR ASSIGNMENT

- NOTES:
- THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR VIDEO VEHICLE DETECTOR PLACEMENT. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
 - VIDEO VEHICLE DETECTOR CAMERAS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
 - VIDEO DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
 - EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. PAYMENT SHALL BE INCIDENTAL TO 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 100 @ SHAW'S INTERSECTION).
 - ANY OTHER MISCELLANEOUS EQUIPMENT AND LABOR NECESSARY TO PROVIDE A FULLY FUNCTIONAL VIDEO VEHICLE DETECTION SYSTEM SHALL BE INCIDENTAL TO ITEM 900.620, SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (VT ROUTE 100 @ SHAW'S INTERSECTION.)
 - THE VIDEO DETECTION SYSTEM SHALL BE AN ECONOLITE AUTOSCOPE IMAGE SENSOR - AIS-Y OR TRAFICON VIP SERIES OR ITERIS VERSICAM SYSTEM OR APPROVED EQUAL.
 - ALL EXISTING LOOP DETECTOR EQUIPMENT TO BE SALVAGED IS TO BE REMOVED AND RETURNED BY THE CONTRACTOR TO THE VTRANS TRAFFIC SHOP IN BERLIN, VT WITHIN 48 HOURS OF REMOVAL. CONTACT RUSS VELANDER AT 828-3535 WITH ANY QUESTIONS.

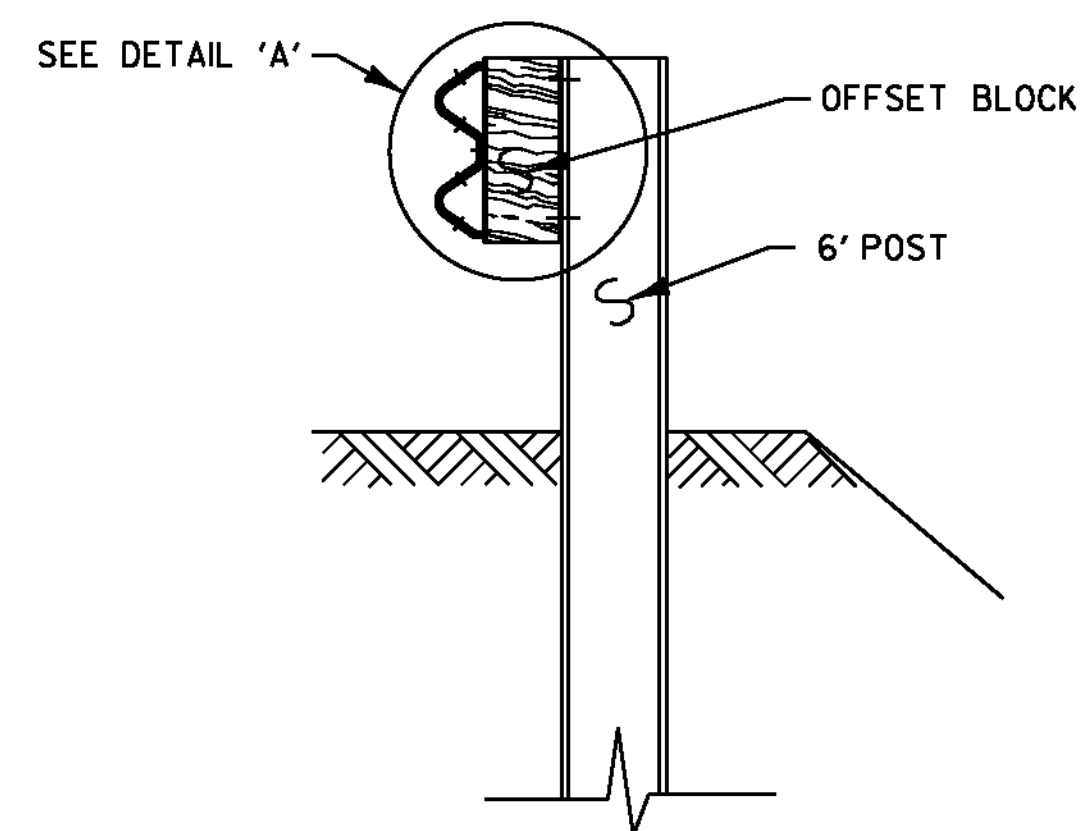
NOT TO SCALE

VIDEO DETECTION SYSTEM SHEET #2	PROJECT NAME: WATERBURY	
	PROJECT NUMBER: STP 220(I)	
	FILE NAME: p99b154.dgn	PLOT DATE: 12/7/2010
	PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC		CHECKED BY: STANTEC
IPARM FILE: p99b154vdss02.i		SHEET 45 OF 49





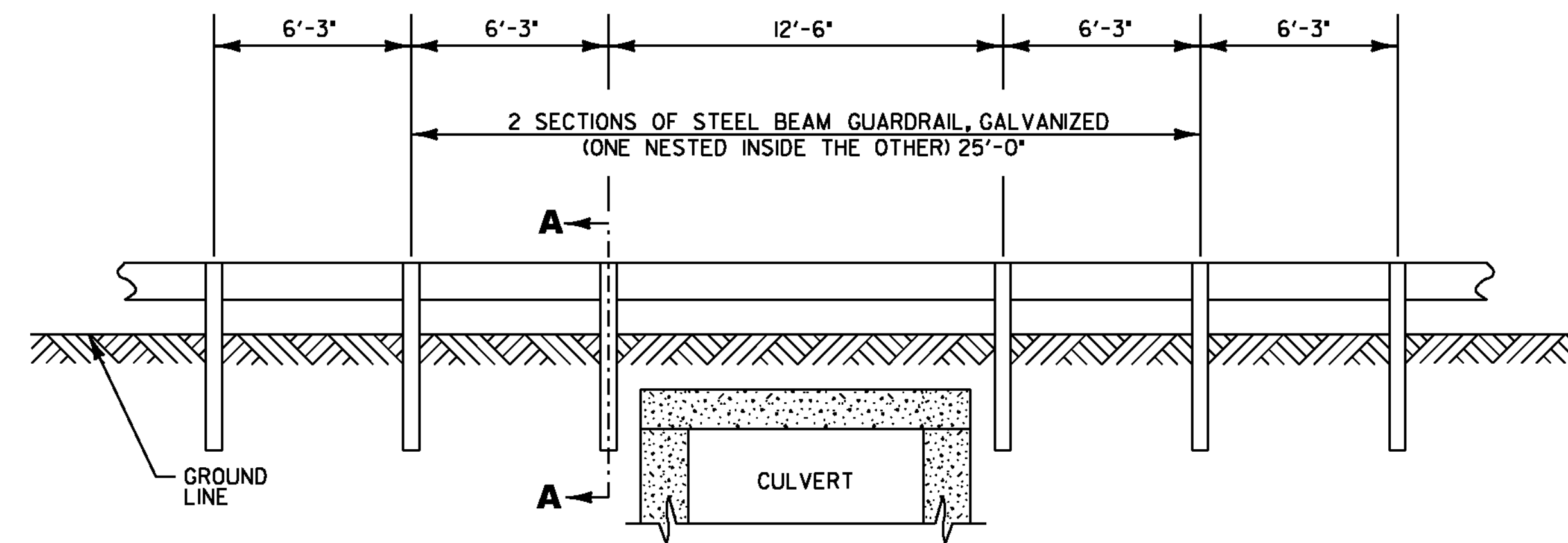
DETAIL A



SECTION A-A

NOTES:

1. SEE VTrans STANDARDS G-1 & G-1d FOR STEEL BEAM GUARDRAIL DETAILS
2. THIS WORK SHALL BE PAID UNDER ITEM 621.206, STEEL BEAM GUARDRAIL, GALVANIZED
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.



DETAIL OF STEEL BEAM GUARDRAIL AT LARGE CULVERTS

VT ROUTE 100 STA. 73+69, LT & RT. (BRIDGE #199)

NOT TO SCALE

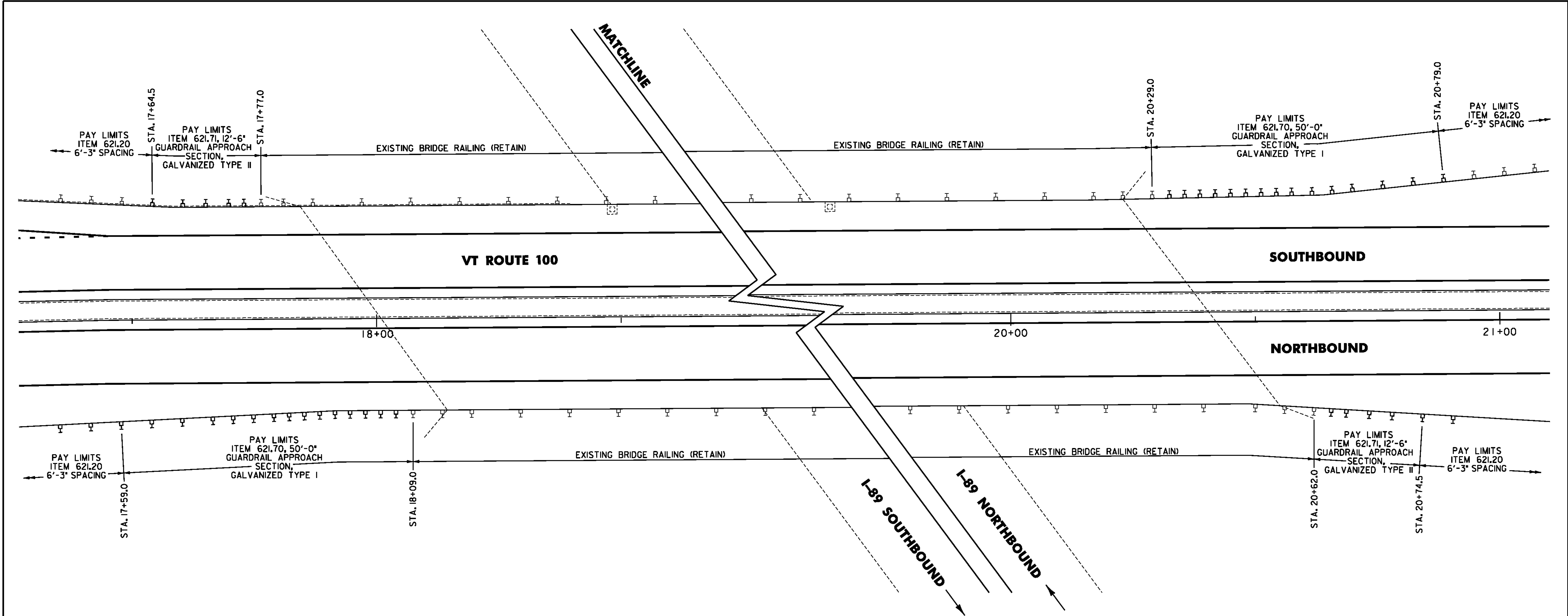


**GUARDRAIL
DETAIL SHEET**

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(1)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154gds.i

PLOT DATE: 10-JAN-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 46 OF 49



BR 197 WATERBURY MM 0.368 = STA. 19+48

BRIDGE QUANTITY SHEET								
STATION	POS.	BRIDGE NUMBER	OFFSET BLOCK	525.10 (LF)	525.40 (LF)	525.60 (LF)	529.25 (CY)	REMARKS
LOCATION: WATERBURY								
17+77.0 - 20+29.0	LT	197						ALL EXISTING BRIDGE RAIL IS TO BE RETAINED
18+09.0 - 20+62.0	RT	197						ALL EXISTING BRIDGE RAIL IS TO BE RETAINED

GENERAL NOTES

- BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 25'.
- SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
- SEE STANDARD SHEET G-1 FOR DELINEATION DETAILS AND PLACEMENT.
- ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 31'-3" APART. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.
- ALL POSTS, RAIL AND RELATED HARDWARE SHALL BE PAID FOR UNDER ITEM 621.70 OR 621.71 AS DENOTED ON THE PLANS.
- REFER TO VTRANS DESIGN STANDARD SHEED SB-R4B-82 FOR ADDITIONAL INFORMATION.

NOT TO SCALE



BRIDGE
DETAIL
SHEET

PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(I)
FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154bds.i
PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 47 OF 49

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
WATERBURY			
6+63	24"	CMP	
7+10	24"	CMP	BR *I95
12+89	48"	ACCGMP	BR *I96
25+30	48"	RCP	BR *I98
32+36	24"	CMP	
46+59	9"	CIP	
49+92	18"	CMP	
52+04	36"x28"	CONC.	BOX
62+99	24"	CMP	
66+10	18"	CMP	
73+69	72"x24"	CONC.	BR *I99
79+95	24"	RCP	
85+11	18"	CPEP	

STATION	POSITION	DESCRIPTION
WATERBURY		
0+23	LT	DI
0+38	RT	DI
8+40	LT	DI
30+10	RT	DI
31+30	RT	DI
32+36	LT	DI
37+44	LT	DI
37+66	LT	DI
38+30	LT	DI
39+06	LT	DI
40+10	LT	THROAT DI
49+94	LT	DI
52+04	LT	DI
52+04	LT	DI
54+50	RT	DI
54+51	LT	DI
56+96	RT	DI
57+18	LT	DI
58+79	LT	CB
59+18	LT	DI
62+99	LT	DI

[illegible][illegible]

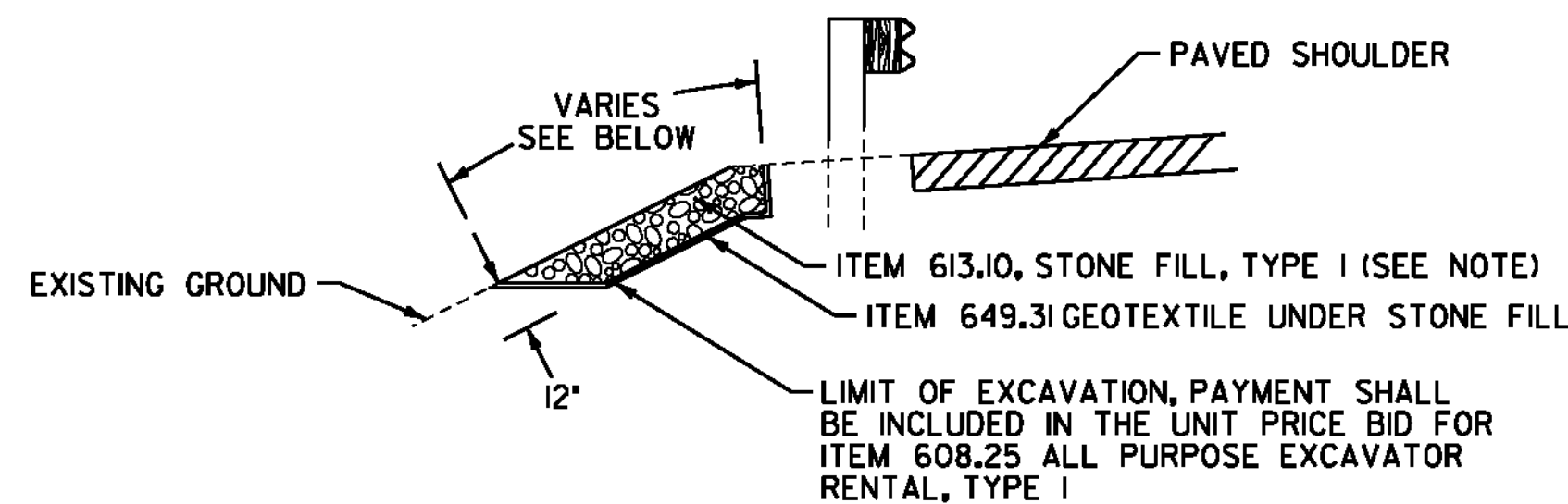
1. REMOVE THROAT DROP INLET TOPS, PEDESTALS AND DROP INLET WALLS TO ACCOMMODATE NEW BRICKS, D.I. COVERS, FRAMES AND GRATES TO MAINTAIN EXISTING DITCH FLOW LINES (SEE VTrans STANDARD D-8 FOR EXISTING D.I. DETAILS).
2. REDUCE BRICK COURSES AS NECESSARY TO MAINTAIN EXISTING DITCH FLOW LINE.
3. SEE VTrans 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 604.415.



CULVERT & STRUCTURE INVENTORY SHEET

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154csd.i

PLOT DATE: 10-JAN-2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 48 OF 49



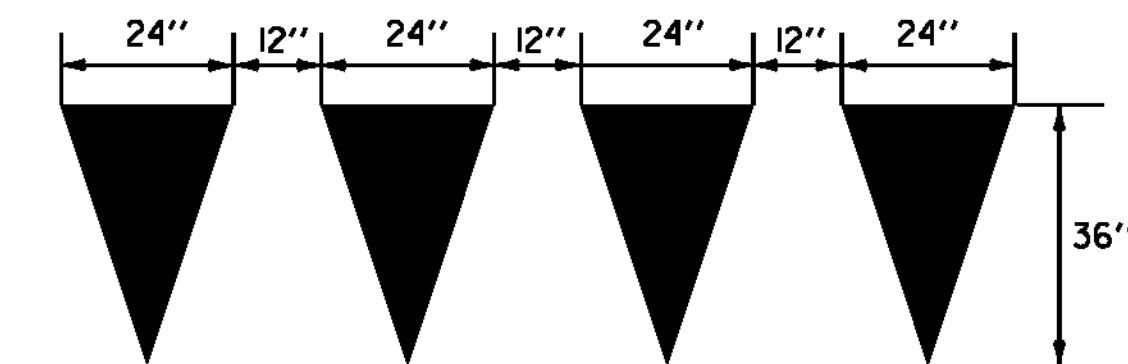
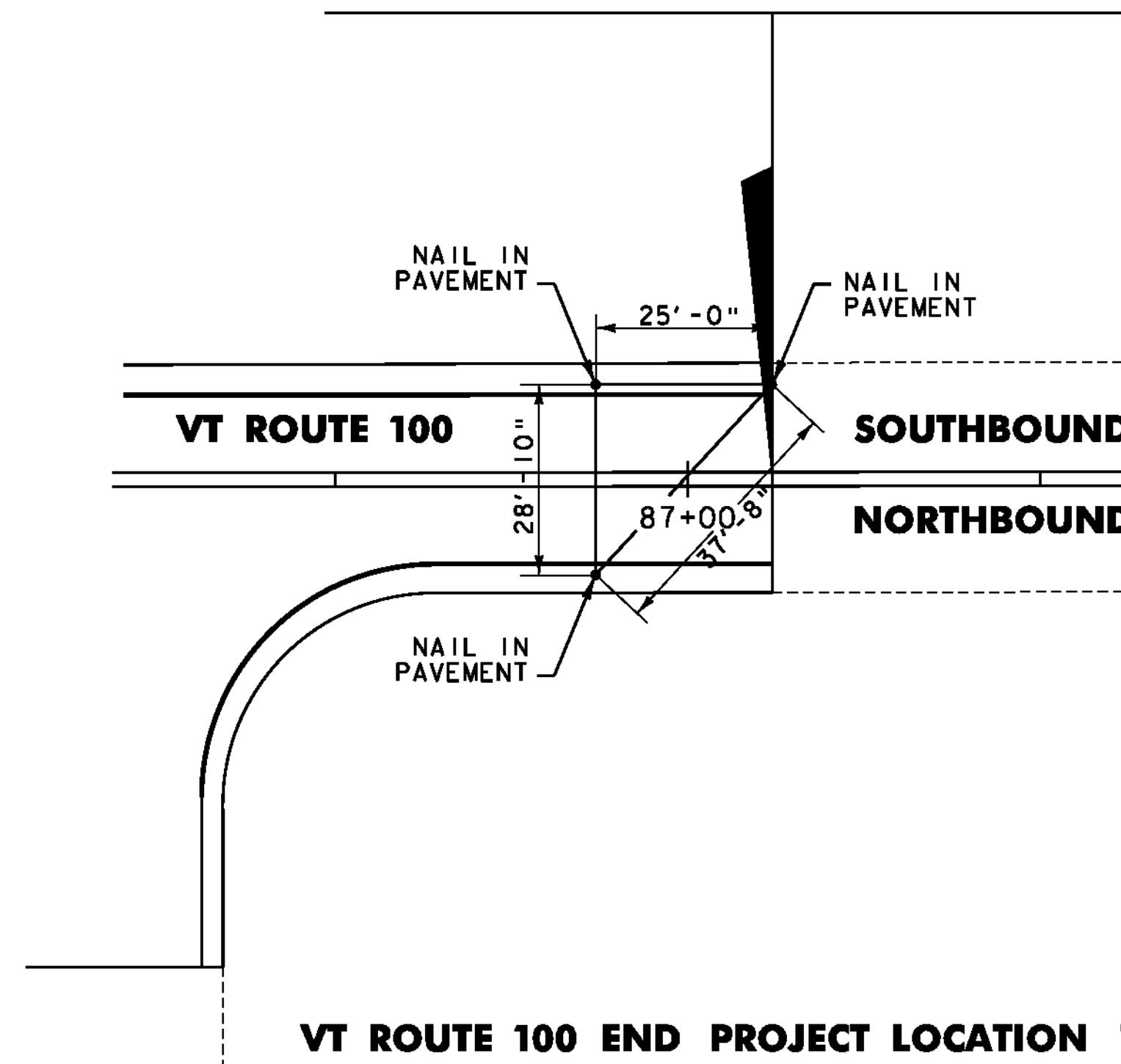
SLOPE EROSION REPAIR DETAIL

STA. 7+85 TO 8+22, LT (30' WIDE)

NOTE:

AN ESTIMATED QUANTITY OF ITEM 613.11 STONE FILL, TYPE II HAS BEEN INCLUDED FOR USE AS DIRECTED BY THE RESIDENT ENGINEER. IF ITEM 613.11 IS NECESSARY, THE ADDITIONAL EXCAVATION DEPTH REQUIRED WILL BE PAID AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

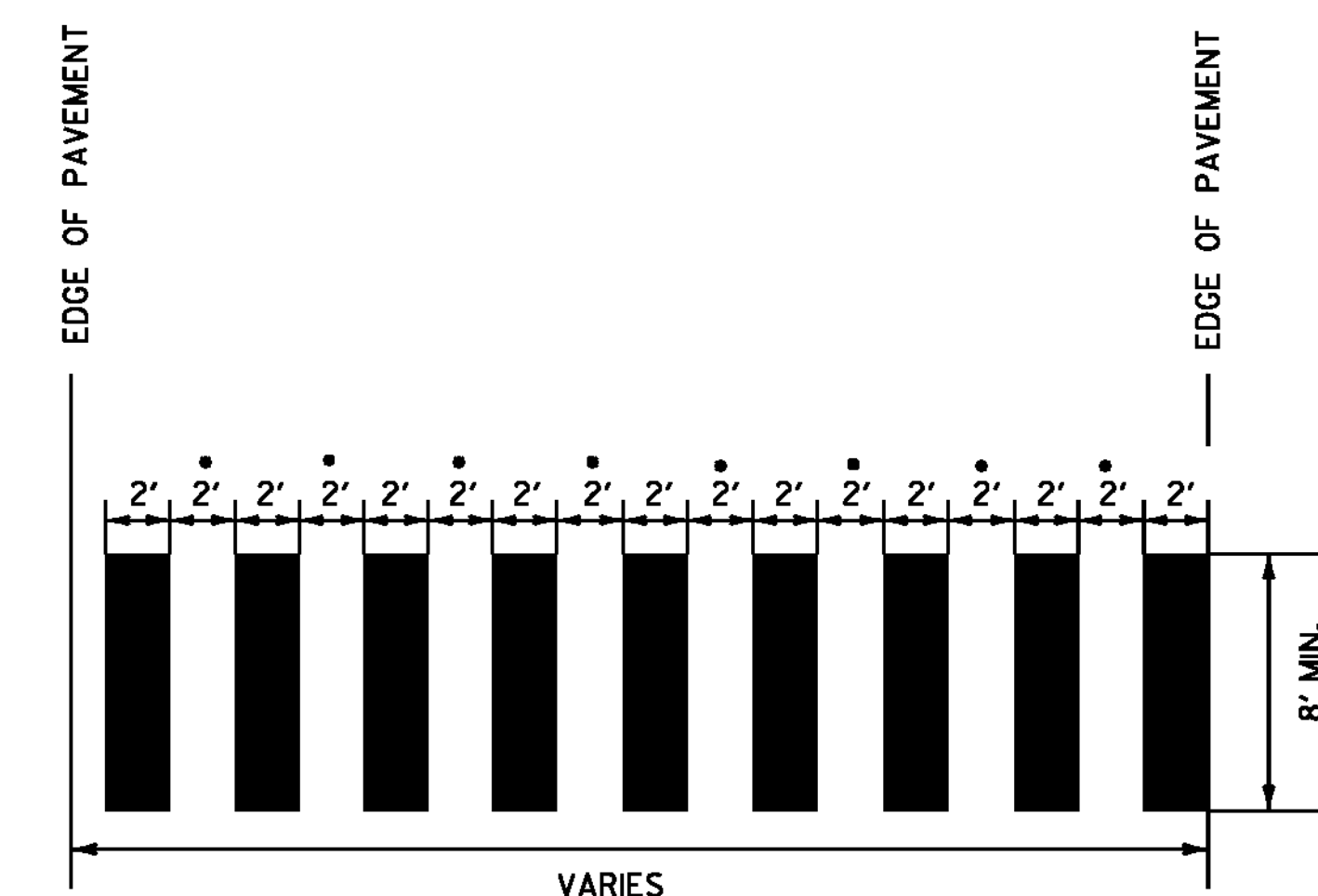
END WATERBURY STP 2201(1) VT ROUTE 100 STA. 87+12.00 = MM 1.650



YIELD LINE DETAILS

VT ROUTE 100 STA. 0+57, RT

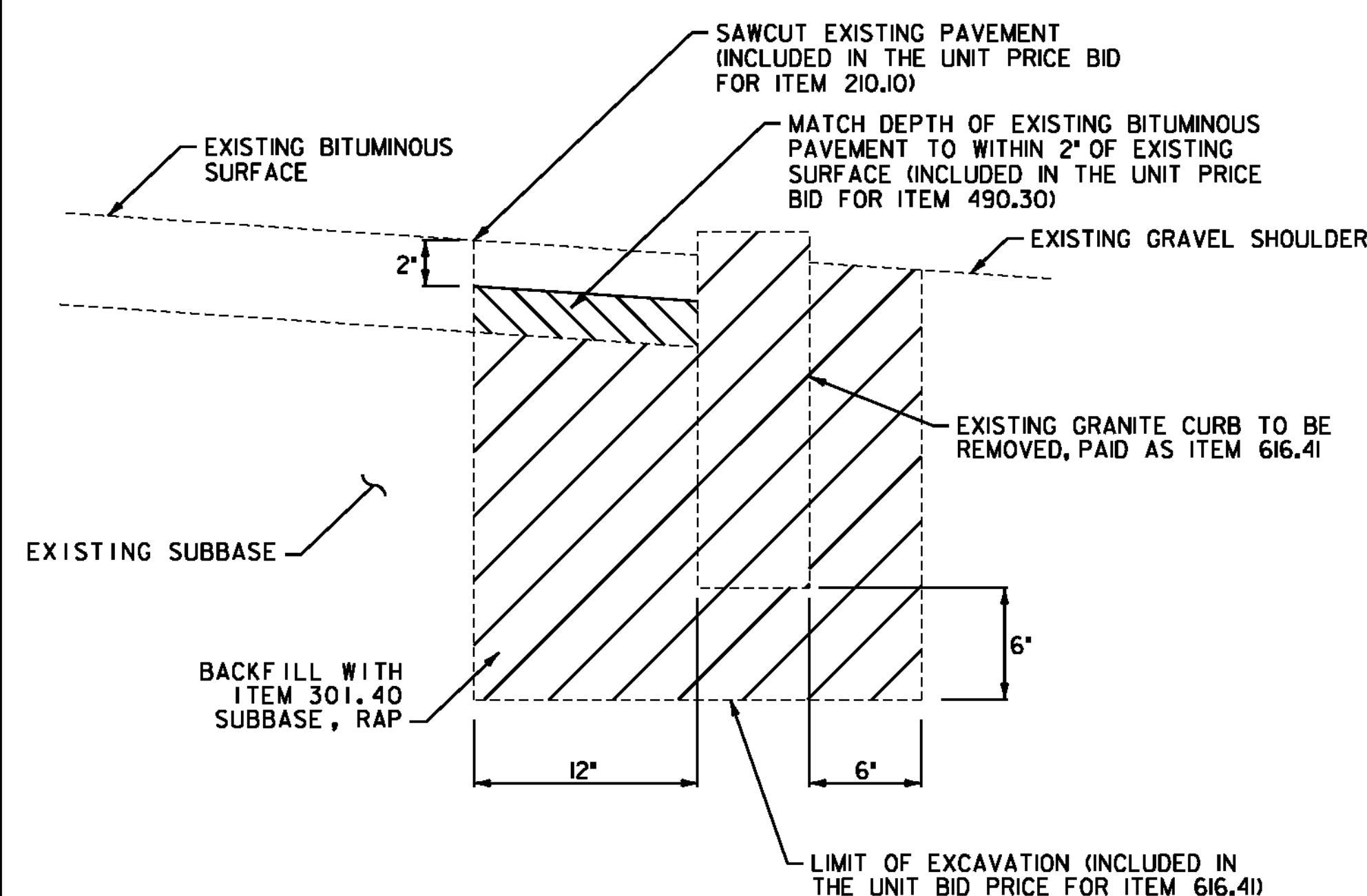
TO BE INSTALLED ONLY AT THE DIRECTION OF THE RESIDENT ENGINEER TO BE PAID AS ONE LETTER OR SYMBOL PER TRIANGLE



- ADJUST SPACING (12"-24") TO AVOID WHEEL PATHS

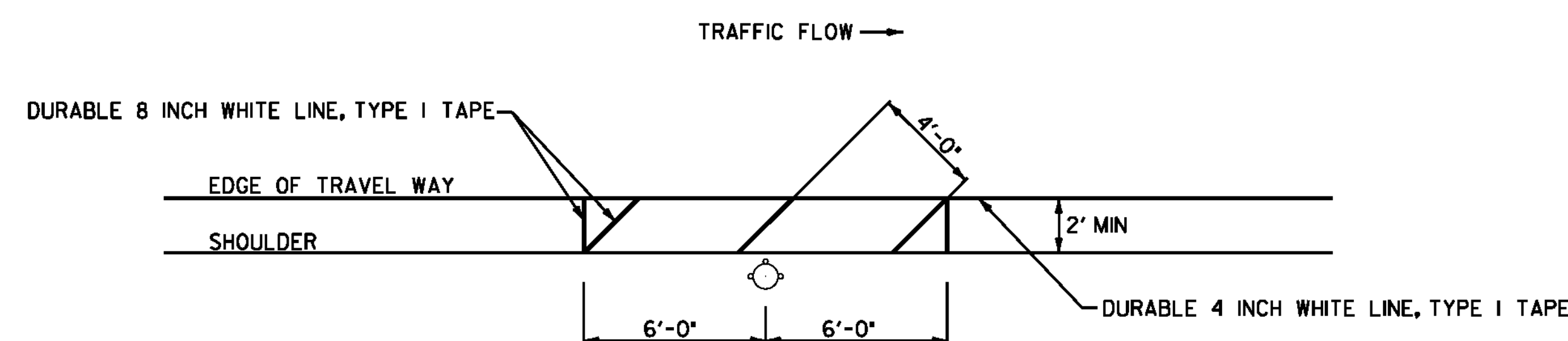
BLOCK PATTERN CROSSWALK DETAIL

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



EXISTING CURB REMOVAL DETAIL

STA. 31+30 TO 31+71, RT

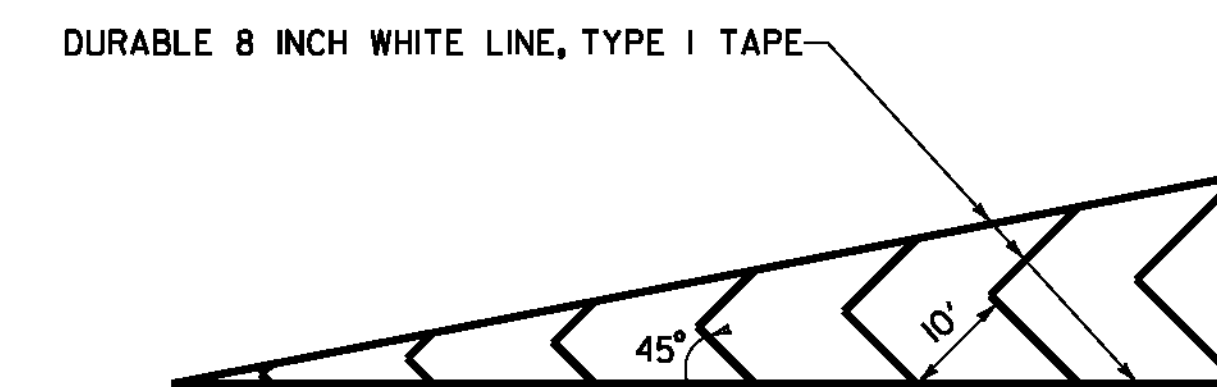


FIRE HYDRANT PAVEMENT MARKING DETAIL

STA. 40+61, RT
STA. 54+60, LT

NOTE:

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



GORE MARKING DETAIL

SEE LAYOUT SHEETS FOR LOCATIONS

NOT TO SCALE

MISCELLANEOUS DETAIL SHEET



PROJECT NAME: WATERBURY
PROJECT NUMBER: STP 2201(1)

FILE NAME: p99b154.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p99b154md.i

PLOT DATE: 12/7/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 49 OF 49