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STRUCTURES DETAIL SHEETS

SD-516.10 BRIDGE JOINT ASPHALTIC PLUG

VAOT STANDARDS

B-71	07-08-05	E-132	08-18-95
C-2A	10-14-05	E-134	08-08-95
C-2B	10-14-05	E-136A	08-08-95
C-3A	03-10-08	E-136B	08-08-95
C-3B	03-10-08	E-136C	08-08-95
C-10	02-11-08	E-138	05-30-03
D-6	06-01-94	E-140	08-30-96
D-8	01-03-00	E-141	09-20-95
D-9	06-01-94	E-142	09-20-95
D-15	06-01-94	E-143	06-15-04
D-16	06-01-94	E-150	05-01-04
E-100	01-02-04	E-152	05-01-04
E-100A	01-02-04	E-153	05-01-04
E-101	05-30-03	E-153B	05-30-03
E-102	06-30-03	E-154	05-01-04
E-102A	05-01-04	E-163	05-20-99
E-106	03-01-04	E-164	06-08-09
E-107	06-30-03	E-190	06-30-03
E-107A	06-08-09	E-191	02-01-99
E-108	06-08-09	E-192	10-12-00
E-108A	06-08-09	E-193	08-18-95
E-110	08-08-95	G-1	01-03-00
E-121	08-08-95	G-1d	01-03-00
E-123	03-16-04	G-19	11-15-02
E-127	08-08-95		

TRAFFIC DATA

U.S. ROUTE 5, VT ROUTE 16 & VT ROUTE 58

LOCATION	AADT		DHV		ESALS	
	2011	2021	2011	2021	2011-2021	2011-2031
U.S. ROUTE 5						
BEGIN PROJECT TO EASTERN AVE	1600	1600	180	180	415,000	895,000
EASTERN AVE TO CHURCH ST	2600	2700	290	300	448,000	1,120,000
CHURCH ST TO END PROJECT	2900	3000	330	340	461,000	1,041,000
VT ROUTE 16						
BEGIN PROJECT TO ELM ST	4000	4200	530	560	626,000	1,433,000
ELM ST TO END PROJECT	3500	3600	460	480	448,000	1,118,000
VT ROUTE 58						
BEGIN PROJECT TO IRASBURG ST	5000	5200	660	680	1,165,000	2,520,000
IRASBURG ST TO MAPLE ST	3700	3900	490	520	459,000	1,149,000
MAPLE ST TO EAST ST	2500	2600	330	340	574,000	1,236,000
EAST ST TO END PROJECT	2600	2800	340	370	663,000	1,501,000

RAILROAD DATA:
V = 30 MPH (FREIGHT)

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

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

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

DATUM
VERTICAL N/A
HORIZONTAL N/A

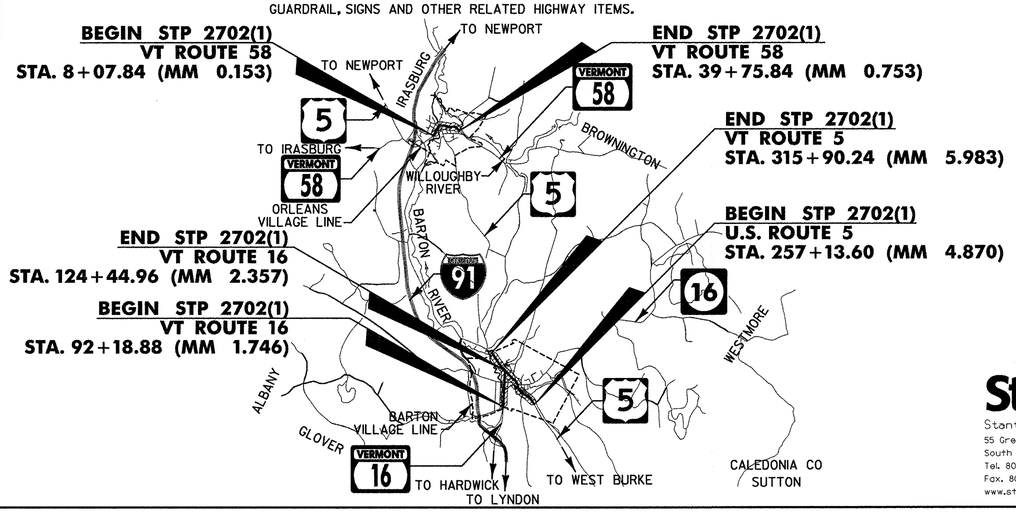
STATE OF VERMONT
AGENCY OF TRANSPORTATION

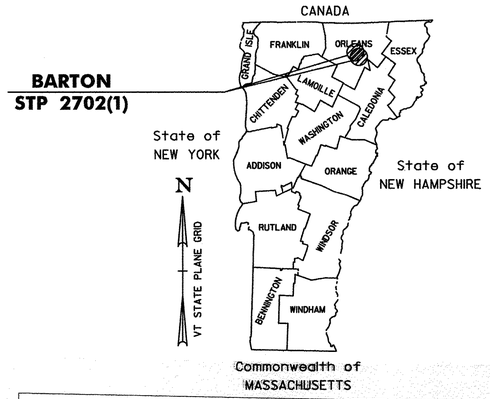
PROPOSED IMPROVEMENT
CLASS 1 TOWN HIGHWAY
VILLAGES OF BARTON AND ORLEANS
COUNTY OF ORLEANS
U.S. ROUTE 5, VT ROUTE 16 & VT ROUTE 58

BEGINNING AT A POINT IN THE VILLAGE OF BARTON, ON U.S. ROUTE 5 AT STA. 257+13.60 (MM 4.870) AND EXTENDING NORTHERLY ALONG U.S. ROUTE 5 FOR A DISTANCE OF 5,876.64 FEET (1.113 MILES) TO STA. 315+90.24 (MM 5.983). ALSO BEGINNING AT A POINT IN THE VILLAGE OF BARTON, ON VT ROUTE 16 AT STA. 92+18.88 (MM 1.746) AND EXTENDING NORTHERLY ALONG VT ROUTE 16 FOR A DISTANCE OF 3,226.08 FEET (0.611 MILE) TO STA. 124+44.96 (MM 2.357). ALSO BEGINNING AT A POINT IN THE VILLAGE OF ORLEANS, ON VT ROUTE 58 AT STA. 8+07.84 (MM 0.153) AND EXTENDING EASTERLY ALONG VT ROUTE 58 FOR A DISTANCE OF 3,168.00 FEET (0.600 MILE) TO STA. 39+75.84 (MM 0.753).

PROJECT DATA:	LENGTH (FEET)	LENGTH (MILES)
VILLAGE OF BARTON		
U.S. ROUTE 5		
STA. 257+13.60 TO 315+90.24	5,876.64	
MM 4.870 TO 5.983		1.113
VILLAGE OF BARTON		
VT ROUTE 16		
STA. 92+18.88 TO 124+44.96	3,226.08	
MM 1.746 TO 2.357		0.611
VILLAGE OF ORLEANS		
VT ROUTE 58		
STA. 8+07.84 TO 39+75.84	3,168.00	
MM 0.153 TO 0.753		0.600
TOTAL LENGTH OF ROADWAY:	12270.72	2.324
TOTAL LENGTH OF PROJECT:	12270.72	2.324
TOTAL LENGTH OF RAILROAD:	384.00	0.073

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





RECORD PLANS

CONTRACTOR:	PIKE INDUSTRIES, INC. – BERLIN, VT
RESIDENT ENGINEER:	J. STRONG
CONSTRUCTION BEGAN:	JULY 23, 2012
CONSTRUCTION COMPLETE:	NOVEMBER 6, 2012
RECORD PLANS BY:	J. STRONG & C. PIERCE

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

BY _____ RESIDENT ENGINEER

DATE 10/21/2013

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.

SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESALS (U.S ROUTE 5)	560,000
DESIGN LANE/DESIGN LIFE ESALS (VT ROUTE 16)	716,500
DESIGN LANE/DESIGN LIFE ESALS (VT ROUTE 58)	1,260,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SUBSECTION 490.03(b)

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

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

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

N
VT STATE PLANE GRID

STATE OF VERMONT
GREGORY A. EDWARDS
No. 5842
REGISTERED PROFESSIONAL ENGINEER
04-18-12

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

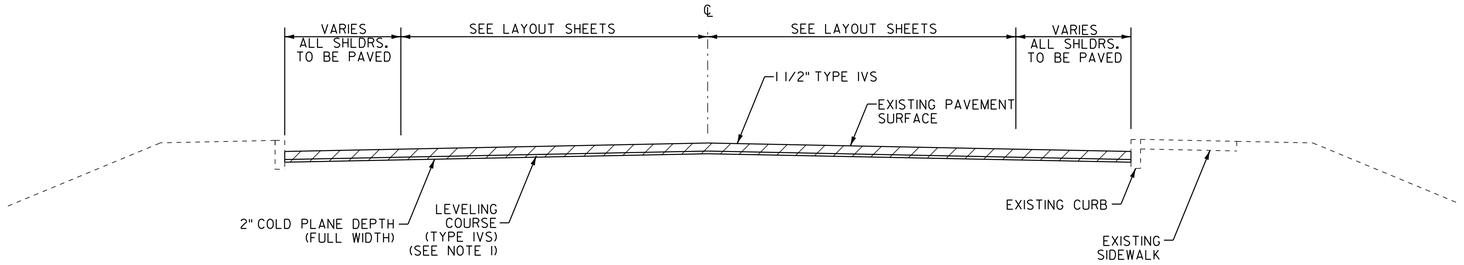
p07cl92.dgn
p07cl92ts.l

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE 4/23/12

PROJECT MANAGER : MICHAEL FOWLER, PE

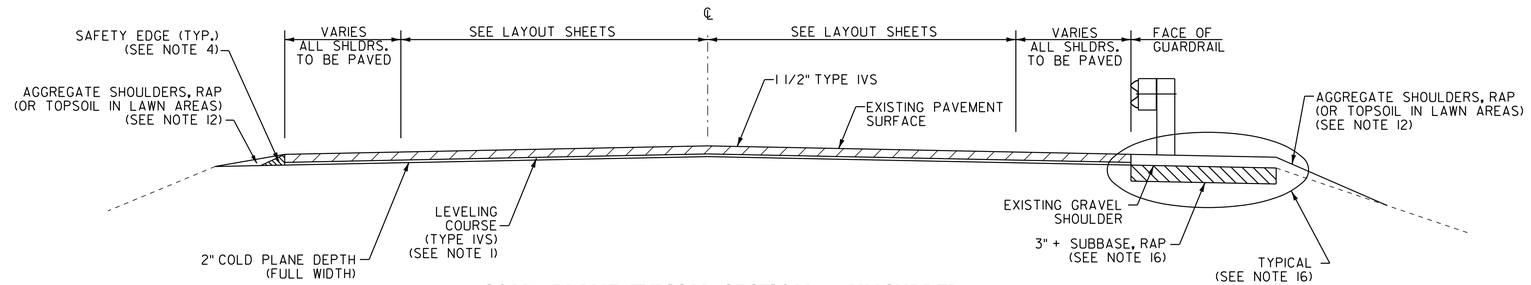
PROJECT NAME : BARTON
PROJECT NUMBER : STP 2702(1)

SHEET 1 OF 75 SHEETS



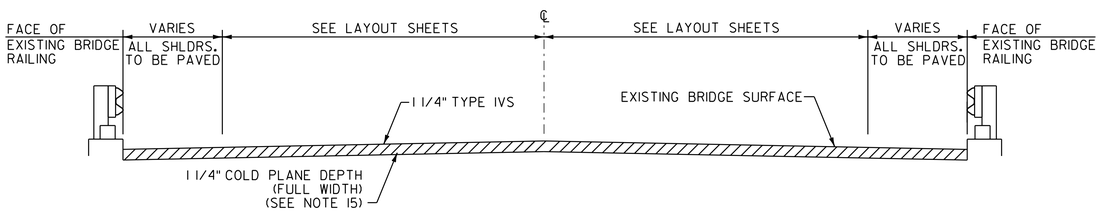
COLD PLANE TYPICAL SECTION – CURBED

U.S. ROUTE 5 STA. 272+55 TO 280+63
U.S. ROUTE 5 STA. 281+06 TO 302+40
U.S. ROUTE 5 STA. 302+58 TO 308+02
U.S. ROUTE 5 STA. 309+41 TO 310+81
VT ROUTE 16 STA. 115+08 TO 119+84
VT ROUTE 58 STA. 11+19 TO 16+53.31
VT ROUTE 58 STA. 16+53.31 TO 17+37.76 - RECONSTRUCT RAILROAD CROSSING (SEE SHEETS 65-73)
VT ROUTE 58 STA. 17+37.76 TO 19+06
VT ROUTE 58 STA. 19+54 TO 25+14



COLD PLANE TYPICAL SECTION – UNCURBED

U.S. ROUTE 5 STA. 257+13.60 TO 272+55
U.S. ROUTE 5 STA. 308+02 TO 309+41
U.S. ROUTE 5 STA. 310+81 TO 315+90.24
VT ROUTE 16 STA. 92+18.88 TO 112+03
VT ROUTE 16 STA. 112+21 TO 115+08
VT ROUTE 16 STA. 119+84 TO 124+44.96
VT ROUTE 58 STA. 8+07.84 TO 11+19
VT ROUTE 58 STA. 25+14 TO 39+75.84



BRIDGE TYPICAL SECTION

BR#162 U.S. ROUTE 5 STA. 280+63 TO 281+06
BR#163 U.S. ROUTE 5 STA. 302+40 TO 302+58
BR#20 VT ROUTE 16 STA. 112+03 TO 112+21
BR#10 VT ROUTE 58 STA. 19+06 TO 19+54

ASPHALTIC PLUG JOINT LOCATIONS

(SEE STRUCTURES DETAIL SD-516.10)
ROARING BROOK ROAD BRIDGE VT ROUTE 16 STA. 92+56, LT (24 LF)
BR#10 VT ROUTE 58 STA. 19+06 (33 LF)
BR#10 VT ROUTE 58 STA. 19+54 (43 LF)

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS. THE ESTIMATED 1/2" LEVELING COURSE SHALL BE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TYPE IVS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
2. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
3. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON SHEET 3.
4. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES. ALL COLD PLANED SURFACES SHALL HAVE AN APPLICATION RATE OF 0.08 GAL/SY OF EMULSIFIED ASPHALT. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL SUCCESSIVE PAVED SURFACES AT THE RATE OF 0.040 GAL/SY. ALL APPLICATIONS WILL BE PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H).
5. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL COLD PLANE JOINT. SEE DETAIL ON SHEET 3.
6. ALL RESIDENTIAL AND COMMERCIAL DRIVES, AND PULL-OUTS SHALL RECEIVE A 4' PAVED APRON, AND ALL FIELD DRIVES SHALL RECEIVE A 2' PAVED APRON. PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER (FOR DETAILS, SEE SHEET 11). ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
7. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE TRUNCATED DOME DETECTABLE WARNING PLATES FROM THE AGENCY'S APPROVED PRODUCT LIST.
8. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE RESIDENT ENGINEER.
9. A QUANTITY FOR ITEM 604.412 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I, ITEM 604.415 REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II 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.
10. 3' - 7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 6 FOOT POSTS. PAYMENT WILL BE MADE UNDER ITEM 621.20 STEEL BEAM GUARDRAIL, GALVANIZED.
11. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
12. ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP EDGES OF PAVEMENT, EXCEPT IN LAWN AREAS WHERE ITEM 651.35 TOPSOIL SHALL BE USED.
13. ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I, ITEM 608.37 TRUCK RENTAL AND ITEM 608.40 LOADER RENTAL, TYPE I HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED DITCHING MATERIAL. AN ESTIMATED QUANTITY OF 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREAS. 25 CUBIC YARDS OF EARTH BORROW HAVE BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.
14. AN ESTIMATED QUANTITY OF ITEM 608.15, POWER GRADER RENTAL HAS BEEN INCLUDED FOR REMOVING BUILT UP, SAND, ETC. ADJACENT TO THE SHOULDERS IN NON GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
15. THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS THE RESIDENT ENGINEER SHALL CONTACT THE VTRANS CONSTRUCTION STRUCTURES ENGINEER TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE RESIDENT ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.
16. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE ENGINEER.

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

    MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.40 SUBBASE, RAP AS DIRECTED BY THE ENGINEER.

    EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM PROJECT, AS DIRECTED BY THE ENGINEER.

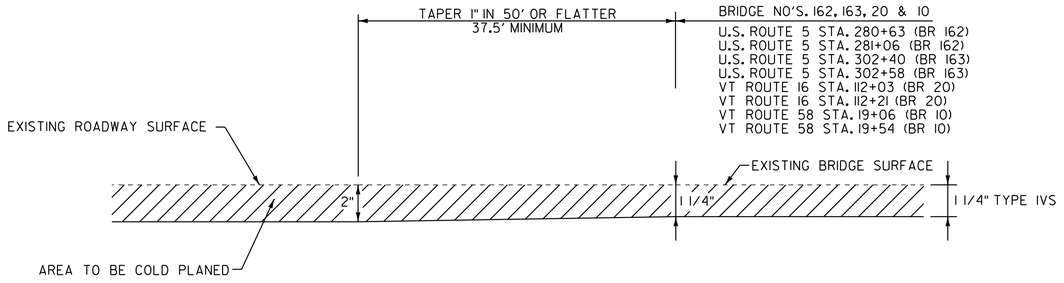
NOT TO SCALE

PROJECT TYPICAL SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192pts01.i

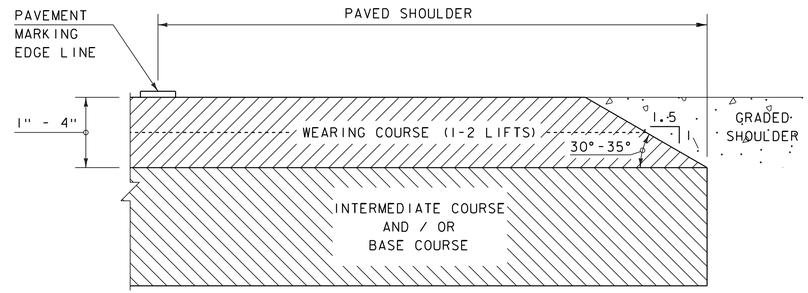
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 2 OF 75



TRANSITION AREA AT BRIDGES DETAIL

FULL ROADWAY WIDTH

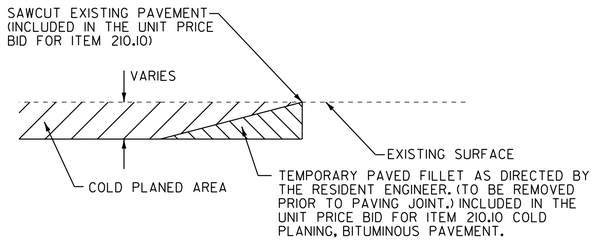
U.S. ROUTE 5 STA. 280+25.5 TO 280+63
U.S. ROUTE 5 STA. 281+06 TO 281+43.5
U.S. ROUTE 5 STA. 302+02.5 TO 302+40
U.S. ROUTE 5 STA. 302+58 TO 302+95.5
VT ROUTE 16 STA. 111+65.5 TO 112+03
VT ROUTE 16 STA. 112+21 TO 112+58.5
VT ROUTE 58 STA. 18+68.5 TO 19+06
VT ROUTE 58 STA. 19+54 TO 19+91.5



SAFETY EDGE DETAIL

NOT TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.



DETAIL AT VERTICAL COLD PLANE JOINTS

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

FULL ROADWAY WIDTH

U.S. ROUTE 5 STA. 257+13.60 (BEGIN PROJECT)
U.S. ROUTE 5 STA. 275+51, LT (DUCK POND ROAD)
U.S. ROUTE 5 STA. 282+96, LT (WEST STREET)
U.S. ROUTE 5 STA. 283+91, LT (WATER STREET)
U.S. ROUTE 5 STA. 285+12, RT (EASTERN AVENUE)
U.S. ROUTE 5 STA. 292+14, LT (SCHOOL STREET)
U.S. ROUTE 5 STA. 298+64, RT (HARRISON AVENUE)
U.S. ROUTE 5 STA. 301+44, RT (PORTER LANE)
U.S. ROUTE 5 STA. 304+08, LT (CONGRESS COURT)
U.S. ROUTE 5 STA. 305+29, RT (LINCOLN AVENUE)
U.S. ROUTE 5 STA. 306+35, RT (DAVIS COURT)
U.S. ROUTE 5 STA. 306+98, RT (WASHINGTON STREET)
U.S. ROUTE 5 STA. 315+90.24 (END PROJECT)
VT ROUTE 16 STA. 92+18.88 (BEGIN PROJECT)
VT ROUTE 16 STA. 92+56, LT (ROARING BROOK ROAD)
VT ROUTE 16 STA. 114+79, LT (ELM STREET)
VT ROUTE 16 STA. 114+95, RT (WATER STREET)
VT ROUTE 16 STA. 118+06, RT (SCHOOL STREET)
VT ROUTE 58 STA. 8+07.84 (BEGIN PROJECT)
VT ROUTE 58 STA. 9+13, RT (RAILROAD AVENUE)
VT ROUTE 58 STA. 10+01, LT (IRASBURG STREET - BOTH LEGS)
VT ROUTE 58 STA. 10+81, RT (PARKSIDE AVENUE)
VT ROUTE 58 STA. 12+73, LT (HARTWELL PLACE)
VT ROUTE 58 STA. 14+94, LT (SOUTH AVENUE)
VT ROUTE 58 STA. 16+56.12, (RR RECONSTRUCTION)
VT ROUTE 58 STA. 16+63, LT (NORTH AVENUE EXIT)
VT ROUTE 58 STA. 17+02.41, (RR RECONSTRUCTION)
VT ROUTE 58 STA. 17+90, LT (NORTH AVENUE)
VT ROUTE 58 STA. 19+80, LT (MAPLE STREET EXIT)
VT ROUTE 58 STA. 20+28, LT (MAPLE STREET ENTRANCE)
VT ROUTE 58 STA. 20+33, RT (WATER STREET)
VT ROUTE 58 STA. 25+24, RT (LIBERTY STREET)
VT ROUTE 58 STA. 31+21, RT (EAST STREET)
VT ROUTE 58 STA. 33+95, LT (EAST STREET)
VT ROUTE 58 STA. 38+81, RT (SCHOOL STREET)
VT ROUTE 58 STA. 39+75.84 (END 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			

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

Stantec

PROJECT TYPICAL SHEET #2

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192pts02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 3 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS		
	ROADWAY	TRAINING	RAILROAD - BID ITEMS	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
	85					85	CY	COMMON EXCAVATION	203.15	4.9
	120					120	CY	SOLID ROCK EXCAVATION	203.16	2
	150					150	CY	EARTH BORROW	203.30	-
	160					160	LF	SHOULDER BERM REMOVAL	203.40	3
	1					1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-
	49400					49400	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	492
	50					50	CY	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	6.1
	90					90	TON	SUBBASE, RAP	301.40	3
	235					235	TON	AGGREGATE SHOULDERS, RAP	402.13	5
	1					1	LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-
	5830					5830	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	55
	1					1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
				110		110	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	10
				100		100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.
	4					4	EACH	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	-
	66					66	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-
	16					16	EACH	REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	-
	34					34	EACH	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
	10					10	HR	POWER GRADER RENTAL	608.15	EST.
	50					50	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.
	20					20	HR	POWER BROOM RENTAL, TYPE I	608.30	EST.
	40					40	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
	100					100	HR	TRUCK RENTAL	608.37	EST.
	10					10	HR	LOADER RENTAL, TYPE I	608.40	EST.
	7					7	CY	STONE FILL, TYPE I	613.10	0.5
	120					120	LF	VERTICAL GRANITE CURB	616.21	7.5
	255					255	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	6.2
	70					70	LF	REMOVING AND RESETTING CURB	616.40	4.5
	330					330	LF	REMOVAL OF EXISTING CURB	616.41	6.2
	15					15	TON	BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	0.4
	270					270	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	7.9
	330					330	SF	DETECTABLE WARNING SURFACE	618.30	8
	26					26	EACH	YIELDING MARKER POSTS	619.17	EST.
	1750					1750	LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	19.5
	6					6	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-
	1650					1650	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	11.5
	39					39	EACH	ADJUST ELEVATION OF VALVE BOX	629.20	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING BITUMINOUS PAVEMENT
20827	SY	MAINLINE - U.S. ROUTE 5
150	SY	BRIDGE - U.S. ROUTE 5
886	SY	SIDE ROADS - U.S. ROUTE 5
11638	SY	MAINLINE - VT ROUTE 16
62	SY	BRIDGE - VT ROUTE 16
376	SY	SIDE ROADS - VT ROUTE 16
12641	SY	MAINLINE - VT ROUTE 58
185	SY	BRIDGE - VT ROUTE 58
2143	SY	SIDE ROADS - VT ROUTE 58
492	SY	ROUNDING
49400	SY	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
1831	TON	MAINLINE - U.S. ROUTE 5 WEARING COURSE (TYPE IVS)
11	TON	BRIDGE - U.S. ROUTE 5 (TYPE IVS)
78	TON	SIDE ROADS - U.S. ROUTE 5 (TYPE IVS)
636	TON	LEVELING - U.S. ROUTE 5 (TYPE IVS)
1012	TON	MAINLINE - VT ROUTE 16 WEARING COURSE (TYPE IVS)
5	TON	BRIDGE - VT ROUTE 16 (TYPE IVS)
33	TON	SIDE ROADS - VT ROUTE 16 (TYPE IVS)
348	TON	LEVELING - VT ROUTE 16 (TYPE IVS)
1106	TON	MAINLINE - VT ROUTE 58 WEARING COURSE (TYPE IVS)
13	TON	BRIDGE - VT ROUTE 58 (TYPE IVS)
188	TON	SIDE ROADS - VT ROUTE 58 (TYPE IVS)
82	TON	RAILROAD CROSSING - VT ROUTE 58 BASE COURSE (TYPE IIS)
432	TON	LEVELING - VT ROUTE 58 (TYPE IVS)
55	TON	ROUNDING
5830	TON	TOTAL

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192qs01.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 4 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS		
		ROADWAY	TRAINING	RAILROAD - BID ITEMS	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
		610					610	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
		2020					2020	HR	FLAGGERS	630.15	EST.
						1	1	LS	FIELD OFFICE, ENGINEERS	631.10	-
						1	1	LS	TESTING EQUIPMENT, CONCRETE	631.16	-
						1	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
						3000	3000	DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-
			520				520	HR	EMPLOYEE TRAINEESHIP	634.10	-
		1					1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-
		1					1	LS	TRAFFIC CONTROL	641.10	-
		1					1	LS	PUBLIC RELATIONS OFFICER	641.12	-
		5					5	EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
									BEGIN OPTION AA		
		25800					25800	LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	237
		25800					25800	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	237
		25800					25800	LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	237
									END OPTION AA		
									BEGIN OPTION BB		
		23600					23600	LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	307
		23600					23600	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	307
		23600					23600	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	307
									END OPTION BB		
									BEGIN OPTION CC		
		450					450	LF	DURABLE 8 INCH WHITE LINE, THERMOPLASTIC	646.442	6
		450					450	LF	DURABLE 8 INCH WHITE LINE, EPOXY PAINT	646.443	6
		450					450	LF	DURABLE 8 INCH WHITE LINE, POLYUREA	646.444	6
									END OPTION CC		
									BEGIN OPTION DD		
		400					400	LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	18
		400					400	LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	18
		400					400	LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	18
									END OPTION DD		
									BEGIN OPTION EE		
		110					110	EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-
		110					110	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-
		110					110	EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-
									END OPTION EE		
									BEGIN OPTION FF		
		870					870	LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502	13
		870					870	LF	DURABLE CROSSWALK MARKING, EPOXY PAINT	646.503	13
		870					870	LF	DURABLE CROSSWALK MARKING, POLYUREA	646.504	13
									END OPTION FF		

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192qs02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 5 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES						TOTALS		DESCRIPTIONS		
		ROADWAY	TRAINING	RAILROAD - BID ITEMS	BRIDGE	FULL C.E. ITEMS	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND
									BEGIN OPTION GG		
		3					3	EACH	DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC	646.512	-
		3					3	EACH	DURABLE RAILROAD CROSSING SYMBOL, EPOXY PAINT	646.513	-
		3					3	EACH	DURABLE RAILROAD CROSSING SYMBOL, POLYUREA	646.514	-
									END OPTION GG		
		51600					51600	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	473
		47100					47100	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	513
		900					900	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	12
		780					780	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	16
		220					220	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
		1740					1740	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	26
		6					6	EACH	TEMPORARY RAILROAD CROSSING SYMBOL, PAINT	646.712	-
		1350					1350	EACH	LINE STRIPING TARGETS	646.76	17
		30					30	SY	GEOTEXTILE UNDER STONE FILL	649.31	2
		65					65	LB	SEED	651.15	1
		300					300	LB	FERTILIZER	651.18	EST.
		1					1	TON	AGRICULTURAL LIMESTONE	651.20	EST.
		2					2	TON	HAY MULCH	651.25	EST.
		100					100	CY	TOPSOIL	651.35	12
		20					20	SY	GRUBBING MATERIAL	651.40	1
		680					680	SY	TEMPORARY EROSION MATTING	653.20	14
		1180					1180	SF	TRAFFIC SIGNS, TYPE A	675.20	2.72
		820					820	LB	TUBULAR STEEL SIGN POST	675.33	4
		1980					1980	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	23
		8					8	EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-
		239					239	EACH	REMOVING SIGNS	675.50	-
		6					6	EACH	ERECTING SALVAGED SIGNS	675.60	-
		12					12	EACH	DELINEATOR WITH STEEL POST	676.10	-
		1					1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-
				50			50	CY	SPECIAL PROVISION (RAILROAD BALLAST)	900.608	3
				60			60	EACH	SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES)	900.620	EST.
		2					2	EACH	SPECIAL PROVISION (SOIL BEARING SLIP BASE) (2 1/2")	900.620	-
				1			1	LS	SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 850-879H) (AARDOT 850-878B)	900.645	-
				1			1	LS	SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING) (AARDOT 850-879H) (AARDOT 850-878B)	900.645	-
				1			1	LU	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.I.)	900.650	-
		2235					2235	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	22
		490					490	CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	1.1

DETAILED SUMMARY OF QUANTITIES		
QUANTITIES	UNIT	ITEMS
		SEED
3	LB	U.S. ROUTE 5 DITCH CLEANING
4	LB	VT ROUTE 16 DITCH CLEANING
2	LB	VT ROUTE 58 DITCH CLEANING
55	LB	SEEDING
1	LB	ROUNDING
65	LB	TOTAL
		TEMPORARY EROSION MATTING
180	SY	U.S. ROUTE 5 DITCH CLEANING
50	SY	U.S. ROUTE 5 GUARDRAIL END SECTIONS
13	SY	SLOPE EROSION PREVENTION
210	SY	VT ROUTE 16 DITCH CLEANING
25	SY	VT ROUTE 16 GUARDRAIL END SECTIONS
107	SY	VT ROUTE 58 DITCH CLEANING
75	SY	VT ROUTE 58 GUARDRAIL END SECTIONS
6	SY	SLOPE EROSION PREVENTION
14	SY	ROUNDING
680	SY	TOTAL

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192qs03.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 6 OF 75

ITEM DETAIL SUMMARY SHEET 1

LOCATION			GUARDRAIL			MISCELLANEOUS													REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	621.20 S.B. G.R. GALV. LF	621.60 ANCHOR FOR S.B. RAIL EACH	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.16 SOLID ROCK EXCAVATION CY	203.30 EARTH BORROW CY	301.26 SUBBASE OF CRUSHED GRAV., FINE GRADED CY	402.13 AGGREGATE SHOULDERS, RAP TON	604.40 CHAN ELEV. OF DI, CB OR MH EACH	604.412 REHAB DI, CB, OR MH, CLASS I EACH	604.415 REHAB DI, CB, OR MH, CLASS II EACH	604.42 CHAN ELEV. OF SEWER MH EACH	613.10 STONE FILL, TYPE I CY	616.21 VERTICAL GRANITE CURB LF	616.28 C-I-P CONC. CURB, TYPE B LF	616.40 REMOVING & RESETTING CURB LF	616.41 REMOVAL OF EXISTING CURB LF	
US ROUTE 5																			
VILLAGE OF BARTON																			
257+13.60	315+90.24	LT&RT								107		33	8	17					QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 12.
262+20	262+28	RT													2.1				REPAIR SLOPE EROSION - SEE DETAIL ON SHEET 13
270+20	270+29	RT													2.3				REPAIR SLOPE EROSION - SEE DETAIL ON SHEET 13
284+73		RT				4.5			2.5								27.0		27.0	CONSTRUCT SIDEWALK RAMP, TYPE 6
284+87		LT				1.7			0.9								14.0		14.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
291+97		LT				2.2			1.2								19.0		19.0	CONSTRUCT SIDEWALK RAMP, TYPE 1
292+33		LT				0.6			0.4								9.0		9.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
297+82		LT				3.4			1.9								20.0		20.0	CONSTRUCT SIDEWALK RAMP, TYPE 6
297+82		RT				1.1			0.6											CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
298+51		RT				2.0			1.1								11.0		11.0	CONSTRUCT SIDEWALK RAMP, TYPE 1
298+88		RT				1.6			0.9								9.0			CONSTRUCT SIDEWALK RAMP, TYPE 1
301+58		RT				0.4			0.2											CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
303+92		LT				2.6			1.4								14.0		14.0	CONSTRUCT SIDEWALK RAMP, TYPE 6
304+24		LT				3.2			1.8								26.0		26.0	CONSTRUCT SIDEWALK RAMP, TYPE 1
305+45		RT				2.0			1.1								14.0		14.0	CONSTRUCT SIDEWALK RAMP, TYPE 1
306+20		RT				2.4			1.3								14.0		14.0	CONSTRUCT SIDEWALK RAMP, TYPE 1
306+45		RT				1.8			1.0								10.5		10.5	CONSTRUCT SIDEWALK RAMP, TYPE 1
306+96		RT				2.8			1.5								16.5		16.5	CONSTRUCT SIDEWALK RAMP, TYPE 1
309+75	310+89	LT																		CONSTRUCT BITUMINOUS CONCRETE GUTTER, SEE DETAIL ON SHEET 13.
311+58.0	320+08.0	LT	814.5	2	842			50												INSTALL ANCHOR @ STA. 311+58.0 AND 320+08.0, LT.
VT ROUTE 16																			
VILLAGE OF BARTON																			
92+18.88	124+44.96	LT&RT								62		12	3	9						QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 12.
92+48.0	93+39.0	LT	102	1	91			25												CONNECT TO EXISTING GUARDRAIL AT FIRST BRIDGE POST @ STA. 92+48.0 INSTALL ANCHOR @ STA. 93+39.0
115+06	115+12	RT																		CONSTRUCT BITUMINOUS CONCRETE GUTTER, SEE DETAIL ON SHEET 13.
115+14		LT				0.7			0.4								5.0		5.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
115+14		RT				0.8			0.5											CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
116+54		LT				0.7			0.4								5.0		5.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
116+54		RT				0.9			0.5								5.0		5.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
117+93		RT				0.6			0.3								5.0		5.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
118+19		RT				0.6			0.4								7.8		7.8	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
SHEET 7 SUBTOTALS:			916.5	3	933	36.6		75	20.3	169		45	11	26	4.4		231.8		222.8	

ITEM DETAIL SUMMARY SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192idss01.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTC
SHEET 7 OF 75

ITEM DETAIL SUMMARY SHEET 2

LOCATION			MISCELLANEOUS																			REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON	618.10 PORTLAND CEMENT CONC., 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SF	619.17 YIELDING MARKER POSTS EACH	629.20 ADJUST ELEV VALVE BOX EACH	649.31 GEOTEXTILE UNDER STONE FILL SY	651.40 GRUBBING MATERIAL SY	653.20 TEMPORARY EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EACH											
US ROUTE 5																						
VILLAGE OF BARTON																						
257+13.60	315+90.24	LT&RT				8	18															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 12.
262+20	262+28	RT						9	6	6												REPAIR SLOPE EROSION - SEE DETAIL ON SHEET 13
270+20	270+29	RT						10	7	7												REPAIR SLOPE EROSION - SEE DETAIL ON SHEET 13
284+73		RT		14.8	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
284+87		LT		5.4	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
291+97		LT		7.2	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
292+33		LT		2.1	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
297+82		LT		11.2	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
297+82		RT		3.7	10.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
298+51		RT		6.7	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
298+88		RT		5.1	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
301+58		RT		1.4	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
303+92		LT		8.7	16.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
304+24		LT		10.6	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
305+45		RT		6.6	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
306+20		RT		7.9	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
306+45		RT		5.8	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
306+96		RT		9.1	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
309+75	310+89	LT	10.4																			CONSTRUCT BITUMINOUS CONCRETE GUTTER, SEE DETAIL ON SHEET 13.
311+58.0	320+08.0	LT								50	2											INSTALL ANCHOR @ STA. 311+58.0 AND 320+08.0, LT.
VT ROUTE 16																						
VILLAGE OF BARTON																						
92+18.88	124+44.96	LT&RT				11	6															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 12.
92+48.0	93+39.0	LT								25	1											CONNECT TO EXISTING GUARDRAIL AT FIRST BRIDGE POST @ STA. 92+48.0 INSTALL ANCHOR @ STA. 93+39.0
115+06	115+12	RT	1.2																			CONSTRUCT BITUMINOUS CONCRETE GUTTER, SEE DETAIL ON SHEET 13.
115+14		LT		2.2	10.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
115+14		RT		2.8	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
116+54		LT		2.2	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
116+54		RT		2.9	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
117+93		RT		2.0	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
118+19		RT		2.1	6.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
SHEET 8 SUBTOTALS:			11.6	120.5	178	19	24	19	13	88	3											

ITEM DETAIL SUMMARY SHEET #2

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192idss02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTC
SHEET 8 OF 75

ITEM DETAIL SUMMARY SHEET 3

LOCATION			GUARDRAIL			MISCELLANEOUS													REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	621.20 S.B. G.R. GALV. LF	621.60 ANCHOR FOR S.B. RAIL EACH	621.80 REMOVAL & DISPOSAL OF GUARDRAIL LF	203.15 COMMON EXCAVATION CY	203.16 SOLID ROCK EXCAVATION CY	203.30 EARTH BORROW CY	301.26 SUBBASE OF CRUSHED GRAV., FINE GRADED CY	402.13 AGGREGATE SHOULDERS, RAP TON	604.40 CHAN ELEV OF DI, CB OR MH EACH	604.412 REHAB DI, CB, OR MH, CLASS I EACH	604.415 REHAB DI, CB, OR MH, CLASS II EACH	604.42 CHAN ELEV. OF SEWER MH EACH	613.10 STONE FILL, TYPE I CY	616.21 VERTICAL GRANITE CURB LF	616.28 C-I-P CONC. CURB, TYPE B LF	616.40 REMOVING & RESETTING CURB LF	616.41 REMOVAL OF EXISTING CURB LF	
VT ROUTE 16 (CONT.)																			
VILLAGE OF BARTON																			
119+70		LT				0.7			0.4								5.0		5.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
120+04		RT				1.2			0.6								12.0		12.0	CONSTRUCT SIDEWALK RAMP, TYPE I
122+67		LT				1.7			0.9											CONSTRUCT SIDEWALK RAMP, TYPE 6
122+75		RT				0.5			0.3											CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
VT ROUTE 58																			
VILLAGE OF ORLEANS																			
8+07.84	39+75.84	LT&RT								61	4	21	5	8						QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 12.
8+69.0	9+00.0	RT	52	1	12.5			25												CONNECT TO EXISTING RAIL @ STA. 8+69.0. INSTALL ANCHOR @ STA. 9+00.0
12+87		LT				2.5			1.4									14.0		CONSTRUCT SIDEWALK RAMP, TYPE I
13+91		LT				2.9			1.6									20.0		CONSTRUCT SIDEWALK RAMP, TYPE 6
14+77		LT				1.4			0.8									12.5		CONSTRUCT SIDEWALK RAMP, TYPE I
15+07		LT				1.7			0.9									12.0		CONSTRUCT SIDEWALK RAMP, TYPE I
16+56.12	17+02.41	LT&RT					118													SEE SHEETS 65 & 67
16+84		LT				2.0			1.1									7.0		CONSTRUCT SIDEWALK RAMP, TYPE I
17+30.0	17+60.0	LT	50		28															REFER TO REDUCED POST SPACING DETAIL #1 ON SHEET 14 FOR REDUCED POST SPACING LOCATIONS.
17+42		LT				2.2			1.2							16.0			16.0	CONSTRUCT SIDEWALK RAMP, TYPE I
17+74		LT				3.4			1.8							20.0			20.0	CONSTRUCT SIDEWALK RAMP, TYPE I
18+09		RT				5.6			3.0							23.0			15.0	CONSTRUCT SIDEWALK RAMP, TYPE 6
18+12		LT				2.3			1.3							4.0				CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
19+66		LT				1.4			0.7											CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
20+52		LT				10.7			5.8							37.5			20.0	CONSTRUCT SIDEWALK RAMP, TYPE I
25+17		LT				3.3			1.8							12.0			13.0	CONSTRUCT SIDEWALK RAMP, TYPE 6
25+79.0	32+47.0	LT	712	2	665			50							2.1					INSTALL ANCHOR @ STA. 25+79.0 AND 32+47.0, LT. REFER TO REDUCED POST SPACING DETAIL #2 &#3 ON SHEET 14 FOR REDUCED POST SPACING LOCATIONS. REPAIR SLOPE EROSION AT STA. 30+46 - 30+54. SEE DETAIL ON SHEET 13.
34+70		LT																		INSTALL FOUR WHITE DELINEATORS AS SHOWN ON SHEET 37
35+52	35+98	RT																		CONSTRUCT BITUMINOUS CONCRETE GUTTER. SEE DETAIL ON SHEET 13.
SHEET 9 SUBTOTALS:			814	3	705.5	43.5	118	75	23.6	61	4	21	5	8	2.1	112.5	17.0	65.5	101	
SHEET 7 SUBTOTALS:			916.5	3	933	36.6	-	75	20.3	169		45	11	26	4.4	-	231.8	-	222.8	
PROJECT SUBTOTALS:			1730.5	6	1638.5	80.1	118	150	43.9	230	4	66	16	34	6.5	112.5	248.8	65.5	323.8	
ROUNDING:			19.5	-	11.5	4.9	2	-	6.1	5	-	-	-	-	0.5	7.5	6.2	4.5	6.2	
TOTALS:			1750	6	1650	85	120	150	50	235	4	66	16	34	7	120	255	70	330	

ITEM DETAIL SUMMARY SHEET #3

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192idss03.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTC
SHEET 9 OF 75

ITEM DETAIL SUMMARY SHEET 4

LOCATION			MISCELLANEOUS																			REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	616.47 BIT. CONC. GUTTERS & TRAFF. ISL. TON	618.10 PORTLAND CEMENT CONC., 5 INCH SY	618.30 DETECTABLE WARNING SURFACE SF	619.17 YIELDING MARKER POSTS EACH	629.20 ADJUST ELEV VALVE BOX EACH	649.31 GEOTEXTILE UNDER STONE FILL SY	651.40 GRUBBING MATERIAL SY	653.20 TEMPORARY EROSION MATTING SY	676.10 DELINEATOR WITH STEEL POST EACH											
VT ROUTE 16 (CONT.)																						
VILLAGE OF BARTON																						
119+70		LT		2.2	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
120+04		RT		3.9	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
122+67		LT		5.6	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
122+75		RT		1.7	10.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
VT ROUTE 58																						
VILLAGE OF BARTON																						
-	-	LT&RT				7	15															QUANTITIES FOR USE AS DIRECTED BY THE ENGINEER, FOR STRUCTURE LOCATIONS, SEE SHEET 12.
8+69.0	9+00.0	RT								25	1											CONNECT TO EXISTING RAIL @ STA. 8+69.0. INSTALL ANCHOR @ STA. 9+00.0
12+87		LT		8.1	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
13+91		LT		9.4	10.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
14+77		LT		4.5	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
15+07		LT		5.6	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
16+56.12	17+02.41	LT&RT																				SEE SHEETS 65 & 67
16+84		LT		6.4	12.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
17+30.0	17+60.0	LT									2											REFER TO REDUCED POST SPACING DETAIL #1 ON SHEET 14 FOR REDUCED POST SPACING LOCATIONS.
17+42		LT		7.2	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
17+74		LT		11.1	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
18+09		RT		18.2	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
18+12		LT		7.5	12.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
19+66		LT		4.4	8.0																	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
20+52		LT		35.0	12.0																	CONSTRUCT SIDEWALK RAMP, TYPE 1
25+17		LT		10.8	8.0																	CONSTRUCT SIDEWALK RAMP, TYPE 6
25+79.0	32+47.0	LT						9	6	56	2											INSTALL ANCHOR @ STA. 25+79.0 AND 32+47.0, LT. REFER TO REDUCED POST SPACING DETAIL #2 &#3 ON SHEET 14 FOR REDUCED POST SPACING LOCATIONS. REPAIR SLOPE EROSION AT STA. 30+46 - 30+54. SEE DETAIL ON SHEET 13.
34+70		LT									4											INSTALL FOUR WHITE DELINEATORS AS SHOWN ON SHEET 37
35+52	35+98	RT	3																			CONSTRUCT BITUMINOUS CONCRETE GUTTER, SEE DETAIL ON SHEET 13.
SHEET 10 SUBTOTALS:			3	141.6	144	7	15	9	6	81	9											* SEE DETAILED SUMMARY OF QUANTITIES ON SHEET 6
SHEET 8 SUBTOTALS:			11.6	120.5	178	19	24	19	13	88	3											
PROJECT SUBTOTALS:			14.6	262.1	322	26	39	28	19	169	12											
ROUNDING:			0.4	7.9	8	-	-	2	1	-	-											
TOTALS:			15	270	330	26	39	30	20	169 *	12											

ITEM DETAIL SUMMARY SHEET #4

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192idss04.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTC
SHEET 10 OF 75

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5		
257+26	LT	7
258+35	RT	44
259+06	LT	9
260+40	LT	13
262+85	LT	14
263+27	LT	10
264+59	LT	10
266+99	LT	10
267+68	RT	22
267+95	LT	8
269+58	LT	14
273+23	RT	109
274+98	RT	47
276+46	RT	12
276+70	LT	48
278+15	RT	11
278+55	LT	40
279+50	LT	35
280+42	LT	10
281+63	RT	46
SUBTOTAL		519

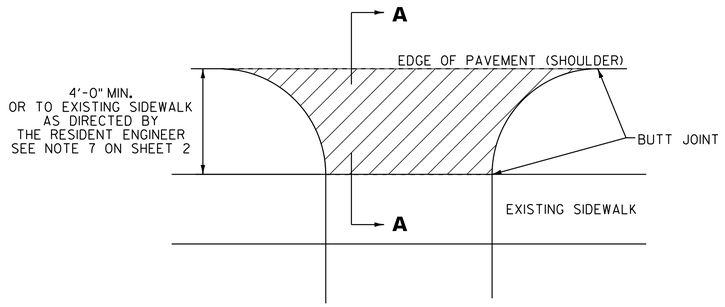
STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5 (CONT.)		
282+43	RT	16
282+87	RT	9
283+55	RT	36
284+32	RT	17
291+22	RT	23
294+01	RT	8
296+33	RT	10
300+74	RT	57
301+09	LT	6
302+28	RT	9
302+30	LT	84
303+85	RT	106
305+59	LT	11
310+98	LT	8
312+90	RT	22
315+51	RT	19
SUBTOTAL		441

STATION	POSITION	QUANTITY (SY)
VT ROUTE 16		
97+86	RT	25
99+38	RT	7
99+58	LT	232
100+74	RT	6
103+18	LT	21
104+06	RT	7
104+20	LT	7
105+05	LT	42
105+09	RT	14
105+71	LT	9
106+33	LT	4
106+70	LT	6
107+30	LT	7
107+34	RT	8
108+37	LT	6
108+65	LT	6
108+90	RT	10
109+52	LT	8
109+88	LT	4
110+13	LT	12
110+33	RT	8
SUBTOTAL		449

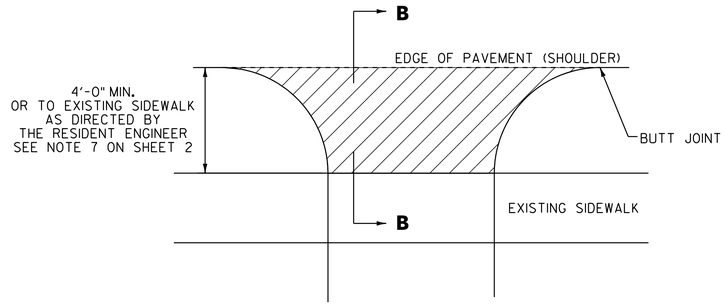
STATION	POSITION	QUANTITY (SY)
VT ROUTE 16 (CONT.)		
110+40	LT	4
110+83	LT	9
111+03	LT	5
111+66	RT	28
112+89	RT	29
113+54	LT	20
119+36	RT	59
121+06	RT	53
121+89	RT	14
SUBTOTAL		221

STATION	POSITION	QUANTITY (SY)
VT ROUTE 58		
9+85	RT	77
11+19	LT	38
12+34	LT	24
13+62	RT	25
13+77	LT	11
14+48	RT	20
15+52	RT	43
15+95	LT	5
16+56	LT	10
16+99	RT	42
21+52	LT	13
21+77	RT	24
23+81	RT	34
23+83	LT	11
24+66	LT	8
25+35	LT	11
26+50	RT	5
29+58	RT	13
30+11	RT	7
30+64	RT	9
32+43	RT	11
SUBTOTAL		441

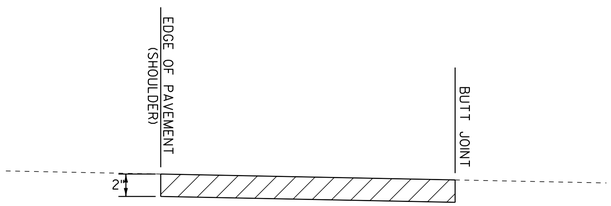
STATION	POSITION	QUANTITY (SY)
VT ROUTE 58 (CONT.)		
32+96	RT	10
33+06	LT	61
35+45	RT	8
35+47	LT	10
35+96	LT	5
36+74	RT	7
37+06	LT	9
37+71	RT	11
37+84	LT	9
38+87	LT	12
SUBTOTAL		142
COLUMN 1		519
COLUMN 2		441
COLUMN 3		449
COLUMN 4		221
COLUMN 5		441
COLUMN 6		142
SUBTOTAL		2213
ROUNDING		22
TOTAL		2235



PLAN

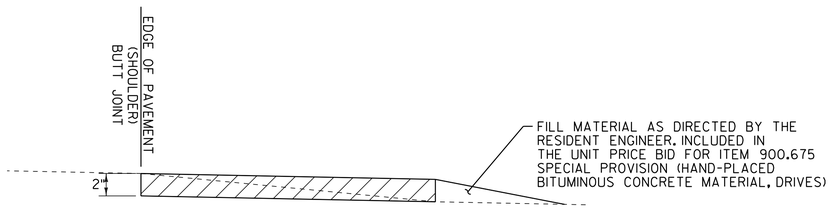


PLAN



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 APPLYING EMULSION, FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
3. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
4. FIELD DRIVES 2'-0"; RESIDENTIAL AND COMMERCIAL DRIVES 4'-0"; OR AS DIRECTED BY THE RESIDENT ENGINEER.

LEGEND

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

NOT TO SCALE

Stantec

DRIVE DETAIL SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

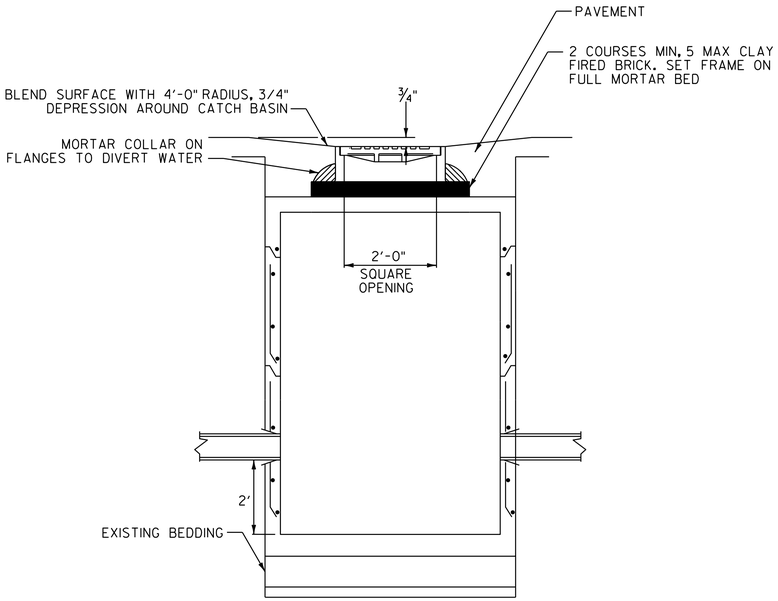
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192ds.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 11 OF 75

EXISTING CULVERT INVENTORY TABLE

(FOR INFORMATION ONLY))

STATION	CULVERT SIZE	CULVERT MATERIAL	COMMENT
U.S. ROUTE 5			
302+48	12' x 6.5'	CONC.	BR 163
312+40	18"	RCP	CONC. HEADWALL
315+90	12"	RCP	
VT ROUTE 58			
25+50	12"	DIP	
28+34	15"	CMP	
30+50	24"	CMP	



REHAB. DI'S, CB'S, & MH'S DETAIL

(ITEMS 604.412 AND 604.415 IN PAVEMENT AREAS)

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

(ITEM 604.412 OR 604.415)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 5		
261+53	LT.	DI
263+13	LT.	DI
264+62	LT.	DI
265+48	LT.	DI
266+82	LT.	DI
267+86	LT.	DI
268+07	LT.	DI
269+40	LT.	DI
271+24	LT.	DI
274+21	LT.	DI
275+32	LT.	DI
275+46	RT.	DI
277+98	LT.	DI
278+22	RT.	DI
280+30	RT.	DI
285+89	LT.	DI
286+05	RT.	DI
286+69	LT.	DI
288+90	LT.	DI
291+26	LT.	DI
292+15	LT.	DI
293+26	LT.	DI
294+05	LT.	DI
294+08	RT.	DI
294+94	LT.	DI
296+01	RT.	DI
296+32	LT.	DI
297+37	LT.	DI
297+87	RT.	DI
298+19	LT.	DI
298+81	RT.	DI
301+37	RT.	DI
301+75	LT.	DI
302+05	RT.	DI
302+23	LT.	DI
302+63	RT.	DI
303+62	RT.	DI
305+02	RT.	DI
305+51	LT.	DI
306+15	RT.	DI
306+98	RT.	DI
VT ROUTE 16		
101+83	LT.	DI
108+60	LT.	DI
111+84	LT.	DI
113+18	LT.	DI
114+72	RT.	DI
114+97	RT.	DI
115+09	RT.	DI
116+68	RT.	DI
117+97	RT.	DI
118+15	RT.	DI
120+62	RT.	DI
121+86	RT.	DI
122+09	LT.	DI
123+23	RT.	DI
124+31	RT.	DI
VT ROUTE 58		
9+43	LT.	DI
10+63	LT.	DI
11+57	LT.	DI
12+01	LT.	DI
12+74	LT.	DI
13+32	LT.	DI
13+37	LT.	DI
13+72	LT.	DI
14+07	LT.	DI
14+78	LT.	DI
15+04	LT.	DI
15+05	RT.	DI
15+64	LT.	DI
16+20	LT.	DI
16+85	LT.	DI
17+77	LT.	DI
18+02	RT.	DI
18+13	LT.	DI
19+64	LT.	DI
19+87	RT.	DI
25+16	RT.	DI
30+50	RT.	DI
34+03	RT.	DI
34+79	LT.	DI
35+96	RT.	DI
36+21	RT.	DI

CHANGING ELEVATION OF SEWER MANHOLES

(ITEM 604.42)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 5		
258+60	LT.	SMH
258+70	LT.	SMH
261+73	LT.	SMH
263+39	LT.	SMH
273+37	RT.	SMH
274+41	LT.	SMH
275+57	LT.	SMH
278+18	LT.	SMH
280+34	LT.	SMH
281+18	LT.	SMH
282+96	LT.	SMH
288+93	RT.	SMH
298+36	RT.	SMH
299+00	RT.	SMH
300+10	RT.	SMH
303+89	LT.	SMH
305+25	RT.	SMH
VT ROUTE 16		
97+15	LT.	SMH
101+67	LT.	SMH
102+56	LT.	SMH
108+63	LT.	SMH
109+57	LT.	SMH
114+73	LT.	SMH
114+89	RT.	SMH
118+21	RT.	SMH
119+23	RT.	SMH
VT ROUTE 58		
12+80	LT.	SMH
17+00	LT.	SMH
17+91	LT.	SMH
20+61	RT.	SMH
25+30	LT.	SMH
30+21	LT.	SMH
33+03	LT.	SMH
34+19	LT.	SMH

CHANGING ELEVATION OF DI'S, CB'S, OR MH'S

(ITEM 604.40)

STATION	POSITION	DESCRIPTION
VT ROUTE 58		
16+91	LT.	DMH
18+00	LT.	DMH
18+13	LT.	DMH
18+97	LT.	DMH

CHANGING ELEVATION OF DI'S, CB'S, OR MH'S

(TO BE ADJUSTED BY OTHERS)

STATION	POSITION	DESCRIPTION
VT ROUTE 58		
15+94	RT.	TMH
18+26	RT.	TMH
19+83	LT.	TMH

ADJUST ELEVATION OF VALVE BOX

(ITEM 629.20)

STATION	POSITION	DESCRIPTION
U.S. ROUTE 5		
259+18	RT.	WSO
275+72	RT.	WSO
275+76	LT.	WSO
276+03	LT.	WSO
276+14	LT.	WSO
277+81	LT.	WSO
279+92	RT.	WSO
281+00	RT.	WSO
284+73	RT.	WSO
285+15	LT.	WSO
285+47	LT.	WSO
285+69	LT.	WSO
288+11	LT.	WSO
300+96	RT.	WSO
304+16	LT.	WSO
305+17	RT.	WSO
305+39	RT.	WSO
310+85	LT.	WSO
VT ROUTE 16		
92+87	LT.	WSO
106+34	RT.	WSO
114+83	LT.	WSO
115+04	RT.	WSO
118+02	LT.	WSO
121+72	LT.	WSO
VT ROUTE 58		
10+38	LT.	WSO
10+79	RT.	WSO
10+82	RT.	WSO
10+83	LT.	WSO
11+91	LT.	WSO
14+94	LT.	WSO
15+06	LT.	WSO
17+99	LT.	WSO
18+04	LT.	WSO
18+05	LT.	WSO
20+38	RT.	WSO
20+55	LT.	WSO
22+53	LT.	WSO
24+25	RT.	WSO
25+34	LT.	WSO

NOT TO SCALE

Stantec

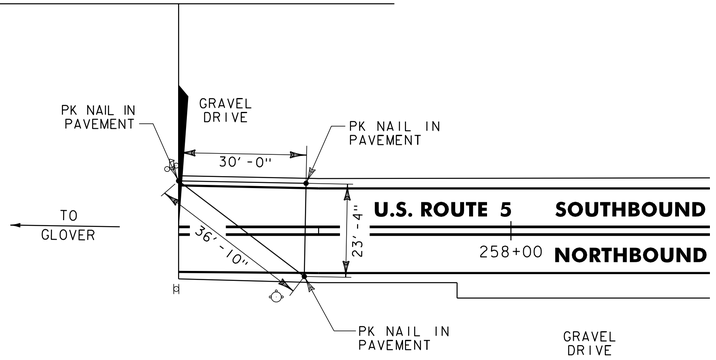
CULVERT & STRUCTURE INVENTORY SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192csd.i

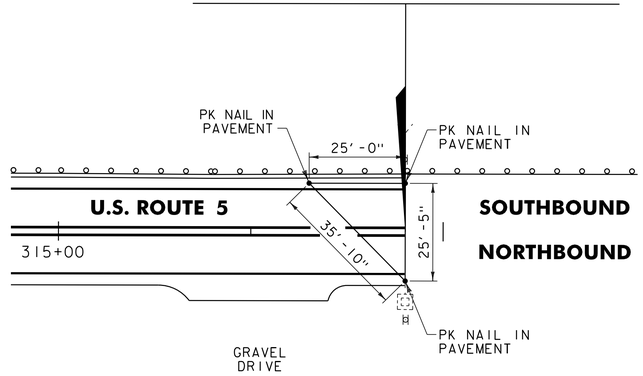
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 12 OF 75

BEGIN STP 2702(1) U.S. ROUTE 5
STA. 257+13.60 = MM 4.870



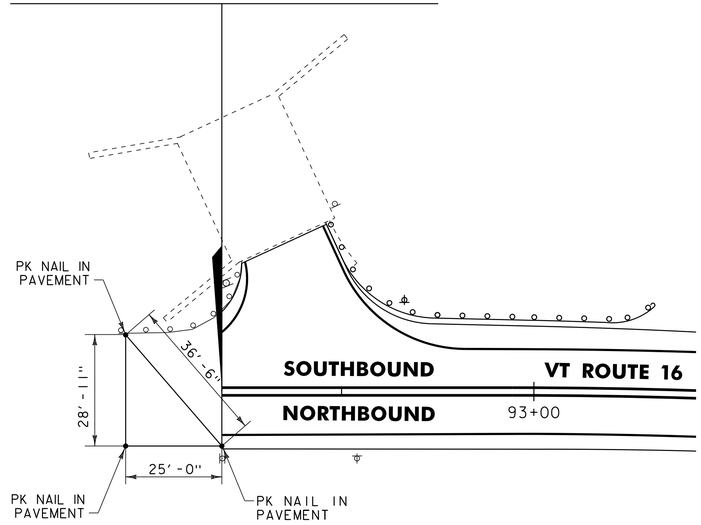
U.S. ROUTE 5 BEGIN PROJECT LOCATION TIES

END STP 2702(1) U.S. ROUTE 5
STA. 315+90.24 = MM 5.983



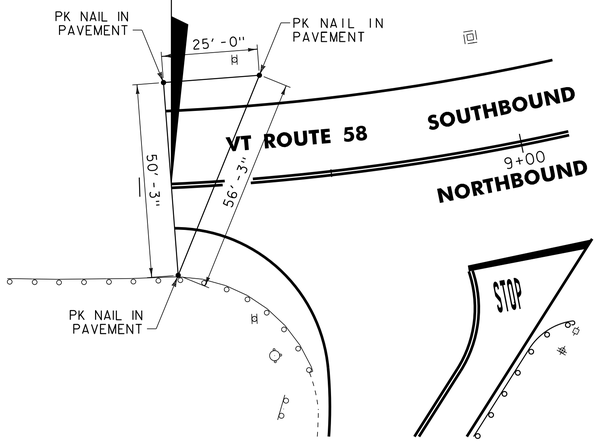
U.S. ROUTE 5 END PROJECT LOCATION TIES

BEGIN STP 2702(1) VT ROUTE 16
STA. 92+18.88 = MM 1.746



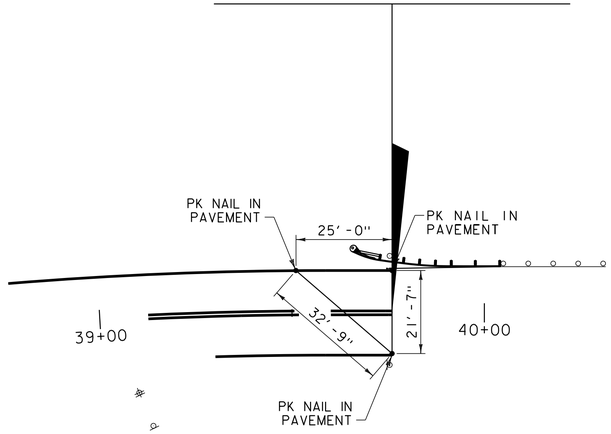
VT ROUTE 16 BEGIN PROJECT LOCATION TIES

BEGIN STP 2702(1) VT ROUTE 58
STA. 8+07.84 = MM 0.153

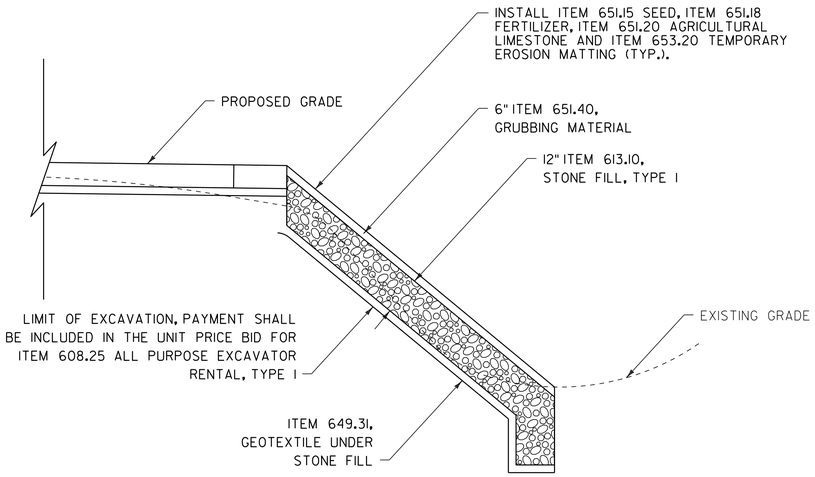


VT ROUTE 58 BEGIN PROJECT LOCATION TIES

END STP 2702(1) VT ROUTE 58
STA. 39+75.84 = MM 0.753



VT ROUTE 58 END PROJECT LOCATION TIES



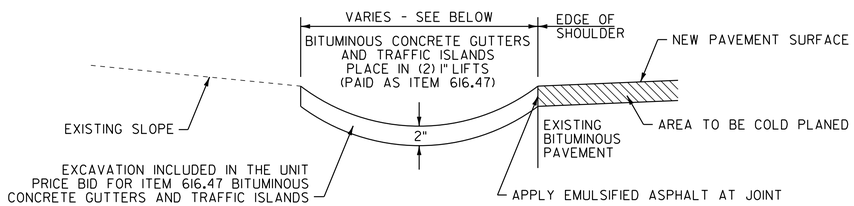
SLOPE EROSION PREVENTION DETAIL

NOTE:

1: SLOPE VARIES ASSUME 7' WIDTH OF STONE

U.S. ROUTE 5 STA. 262+20 - 262+28, RT (8')
U.S. ROUTE 5 STA. 270+20 - 270+29, RT (9')
VT ROUTE 58 STA. 30+46 - 30+54, LT (8')

NOT TO SCALE



BITUMINOUS CONCRETE GUTTER DETAIL

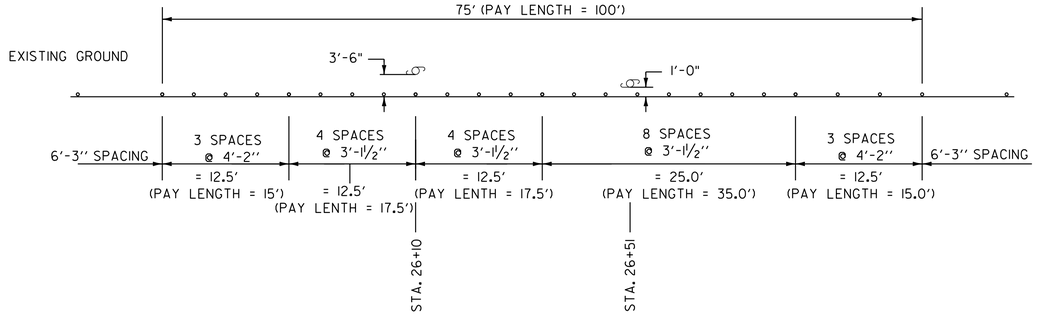
U.S. ROUTE 5 STA. 309+75 TO 310+89, LT
VT ROUTE 16 STA. 115+06 TO 115+12, RT
VT ROUTE 58 STA. 35+52 TO 35+98, RT

Stantec

MISCELLANEOUS DETAIL SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

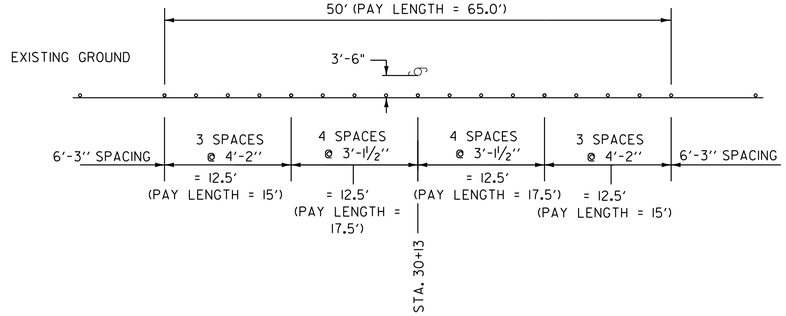
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192md01.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 13 OF 75



REDUCED GUARDRAIL POST SPACING DETAIL #2

LOCATIONS:

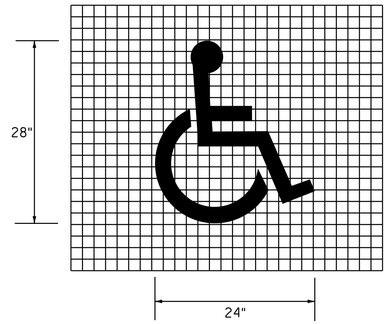
VT ROUTE 58 STA 26+10, LT & STA. 26+51, LT - UTILITY POLES



REDUCED GUARDRAIL POST SPACING DETAIL #3

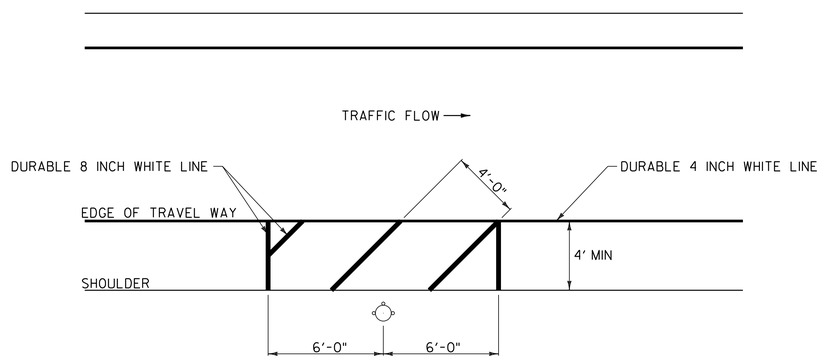
LOCATION:

VT ROUTE 58 STA 30+13, LT - UTILITY POLE



ACCESSIBILITY PARKING SPACE MARKING

VT ROUTE 16 STA. 123+15, LT



FIRE HYDRANT PAVEMENT MARKING DETAIL

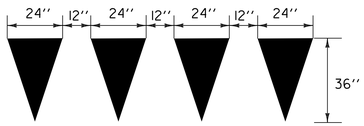
U.S. ROUTE 5:
STA. 277+96, RT
STA. 282+66, RT
STA. 284+62, RT
STA. 288+45, LT
STA. 293+27, LT
STA. 297+39, LT
STA. 299+83, LT
STA. 304+28, LT
STA. 310+78, LT

VT ROUTE 16:
STA. 116+97, LT

VT ROUTE 58:
STA. 11+82, RT
STA. 14+77, RT
STA. 22+59, LT
STA. 24+24, RT

NOTE:

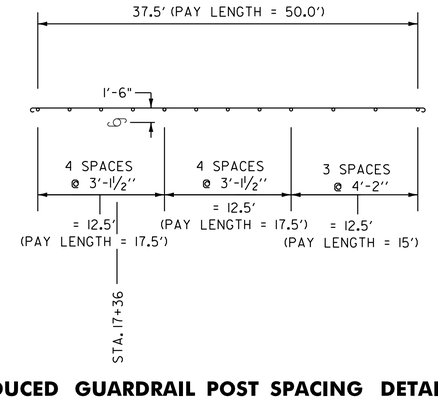
THE CONTRACTOR SHALL ADJUST THE PLACEMENT OF THE FIRE HYDRANT PAVEMENT MARKINGS TO MEET THE EXISTING SITE CONSTRAINTS AS DIRECTED BY THE RESIDENT ENGINEER.



YIELD LINE DETAILS

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

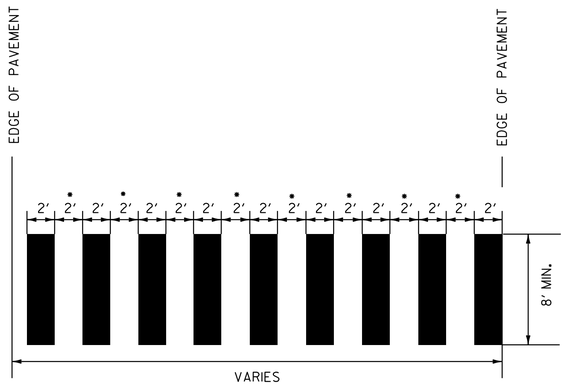
U.S. ROUTE 5 STA. 298+43, LT



REDUCED GUARDRAIL POST SPACING DETAIL #1

LOCATION:

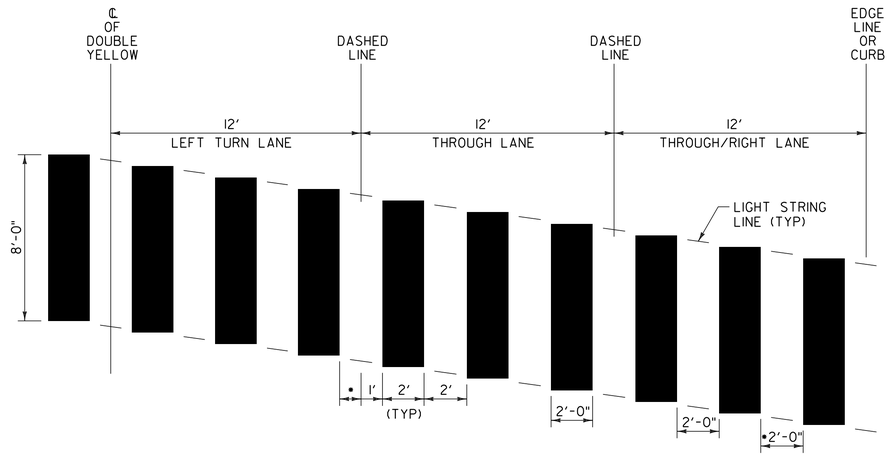
VT ROUTE 58 STA 17+36, LT - UTILITY POLE



• 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.



SKEWED CROSSWALK PATTERN DETAIL

• MAY VARY WITH 11' OR 12' LANE

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

NOTE:
DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

MISCELLANEOUS DETAIL SHEET #2

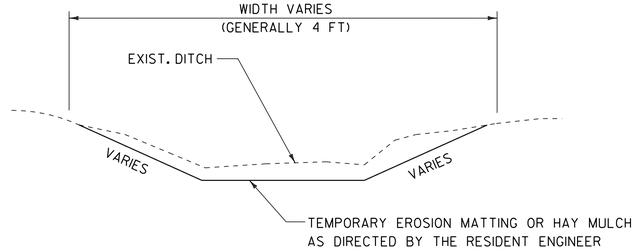
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192md02.i

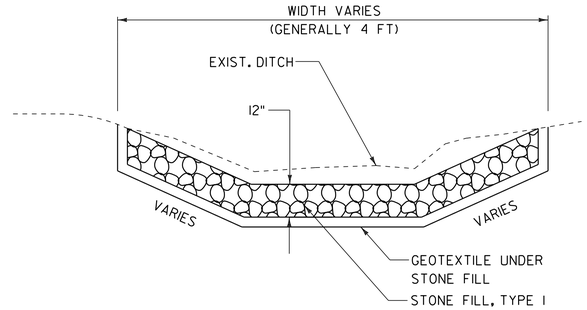
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 14 OF 75

LOCATION				FEET OF DITCHING			MISCELLANEOUS ITEMS				REMARKS
							613.10	649.31	651.15	653.20	
SITE	STATION	STATION	POS.	PERCENT GRADE			STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-2.5	2.5-10	>10					
BARTON							CY	SY	LB	SY	
U.S. ROUTE 5											
1	259+20	260+20	LT	100					1	44	
2	311+35	312+60	RT	125					1	56	
3	313+20	315+00	RT	180					1	80	
VT ROUTE 16											
4	92+19	93+12	RT	93					1	41	
5	99+50	100+40	RT	90					1	40	
6	101+00	103+90	RT	290					2	129	
VT ROUTE 58											
7	26+60	28+35	RT	175					1	78	
8	39+10	39+76	RT	66					1	29	
											*SEE DETAILED SUMMARY OF QUANTITIES ON SHEET 6
TOTALS				1119					9*	497*	

LOCATION				FEET OF DITCHING			MISCELLANEOUS ITEMS				REMARKS
							613.10	649.31	651.15	653.20	
SITE	STATION	STATION	POS.	PERCENT GRADE			STONE FILL, TYPE I	GEOT. UNDER STONE FILL	SEED	TEMP. EROS. MATT.	
				0-2.5	2.5-10	>10					
							CY	SY	LB	SY	



DITCH DETAIL 0 – 2.5 PERCENT



DITCH DETAIL ≥ 2.5 PERCENT

NOTES:

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

2. GRADES BETWEEN 0 AND 2.5 PERCENT SHALL USE 651.15, SEED AND ITEM 653.20, TEMPORARY EROSION MATTING AS DIRECTED BY THE RESIDENT ENGINEER. GRADES 2.5 PERCENT OR GREATER SHALL USE ITEM 649.31, GEOTEXTILE UNDER STONE FILL AND ITEM 613.10, STONE FILL TYPE I AS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

Stantec

DITCH CLEANING DETAIL SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192dcs.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 15 OF 75

CHANGING ELEVATION OF SEWER MANHOLES
STA. 258+60, LT
STA. 258+70, LT

ADJUST ELEVATION OF VALVE BOX
STA. 259+18, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 257+13.60 TO 261+50, SOLID LT & RT

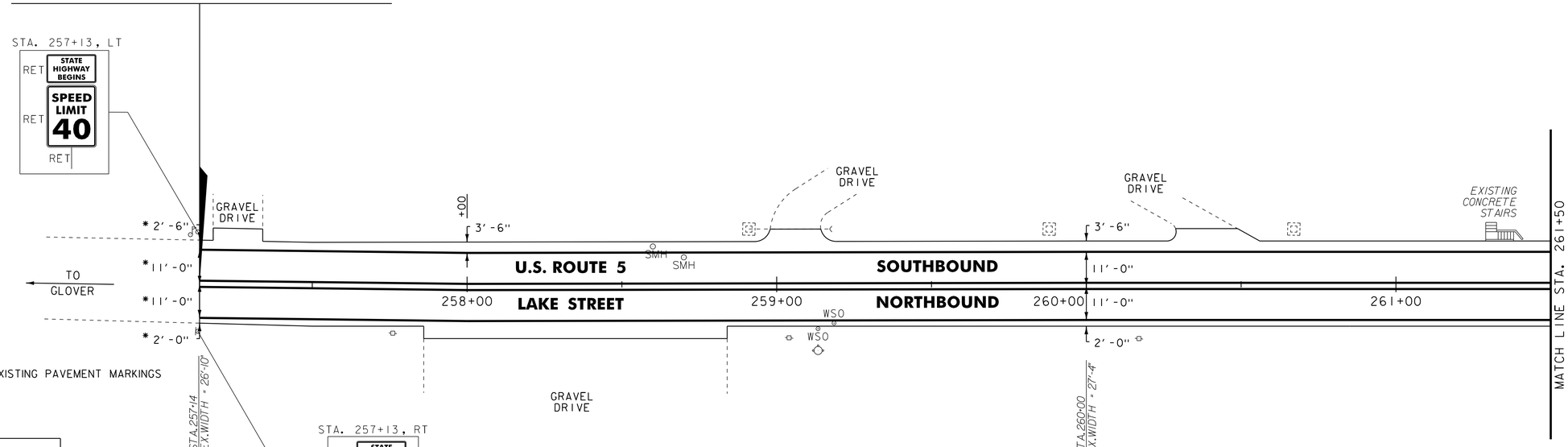
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 257+13.60 TO 261+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 257+13.60 TO 261+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 257+13.60 TO 261+50, SOLID LT & RT

REHAB CLASS I
259+85 LT
259+30 LT

BEGIN STP 2702(1) U.S. ROUTE 5
STA. 257+13.60 = MM 4.870



GENERAL LEGEND

	= EXISTING DI
	= EXISTING SIGN POST
TMH	= EXISTING TELEPHONE MANHOLE
GSO	= EXISTING GAS SHUTOFF
WSO	= EXISTING WATER SHUTOFF
SMH	= EXISTING SEWER MANHOLE
WMH	= EXISTING WATER MANHOLE
DMH	= EXISTING DRAINAGE MANHOLE
	= EXISTING HYDRANT
	= EXISTING MAILBOX
	= EXISTING UTILITY POLE
	= EXISTING GUARDRAIL
	= EXISTING CULVERT
	= EXISTING STONE/CONCRETE HEADWALL
	= EXISTING FENCE
	= EXISTING STONE WALL

SIGN LEGEND

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

NOTES:
1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
2. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192101.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 16 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II

STA. 261+53, LT
STA. 263+13, LT
STA. 264+62, LT
STA. 265+48, LT
STA. 266+82, LT

CHANGING ELEVATION OF SEWER MANHOLES

STA. 261+73, LT
STA. 263+39, LT

DURABLE 4 INCH WHITE LINE

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 261+50 TO 267+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE

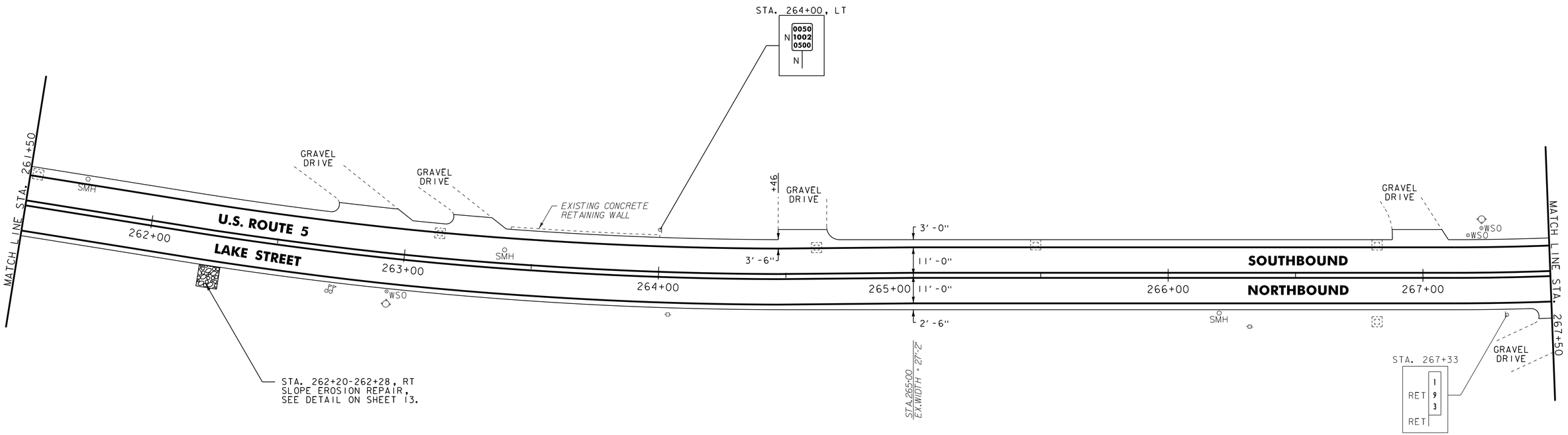
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 261+50 TO 267+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 261+50 TO 267+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT

(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 261+50 TO 267+50, SOLID LT & RT



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #2

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 267+86, LT
STA. 268+07, LT
STA. 269+40, LT
STA. 271+24, LT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 273+37, RT

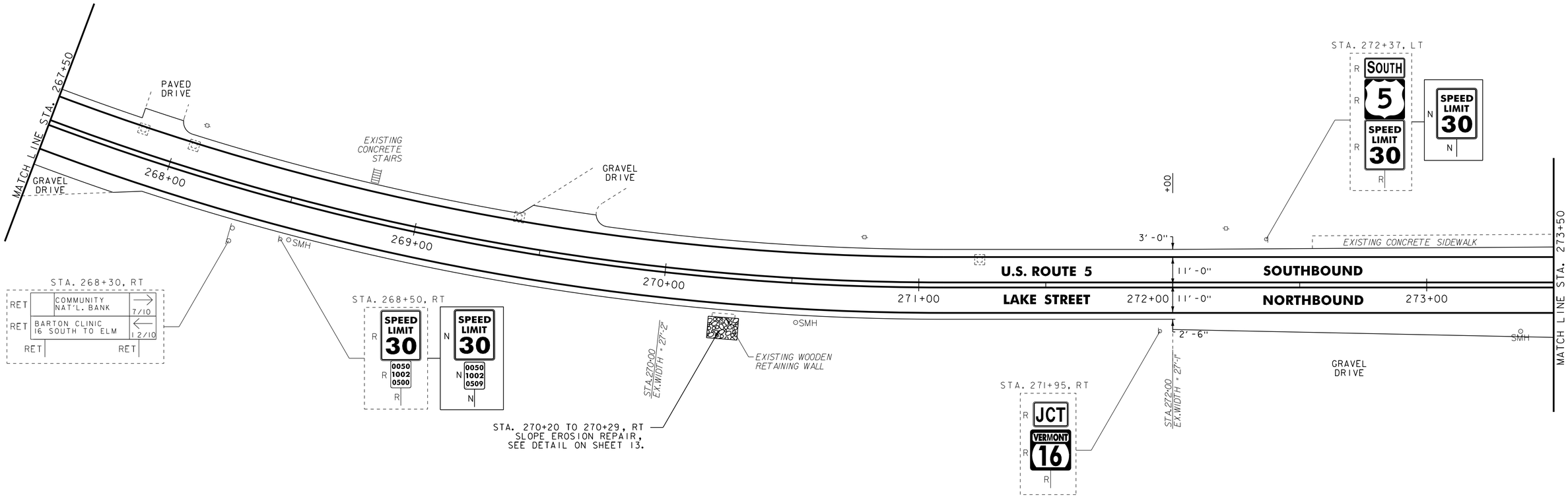
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 267+50 TO 273+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 267+50 TO 273+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 267+50 TO 273+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 267+50 TO 273+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 7



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #3

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l03.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 274+21, LT 278+18 LT
STA. 275+32, LT
STA. 275+46, RT
STA. 277+98, LT
STA. 278+22, RT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 274+41, LT
STA. 275+57, LT
STA. 278+18, LT

ADJUSTING ELEVATION OF VALVE BOX
STA. 275+72, RT
STA. 275+76, LT
STA. 276+03, LT
STA. 276+14, LT
STA. 277+81, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 273+50 TO 279+50, SOLID LT & RT
STA. 275+04 TO 275+39, SOLID LT (DIAGONALS)
STA. 275+51, SOLID LT (EDGELINES, DUCK POND RD)
STA. 275+75 TO 276+12, SOLID LT (DIAGONALS)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 273+50 TO 279+50, SOLID LT & RT
STA. 275+51, DOUBLE SOLID LT (DUCK POND RD)

DURABLE 8 INCH WHITE LINE
STA. 277+90 TO 278+02, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
STA. 275+51, LT (DUCK POND RD)

DURABLE LETTER OR SYMBOL
STA. 275+51, LT "STOP" (DUCK POND RD)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 273+50 TO 279+50, SOLID LT & RT
STA. 275+04 TO 275+39, SOLID LT (DIAGONALS)
STA. 275+51, SOLID LT (EDGELINES, DUCK POND RD)
STA. 275+75 TO 276+12, SOLID LT (DIAGONALS)

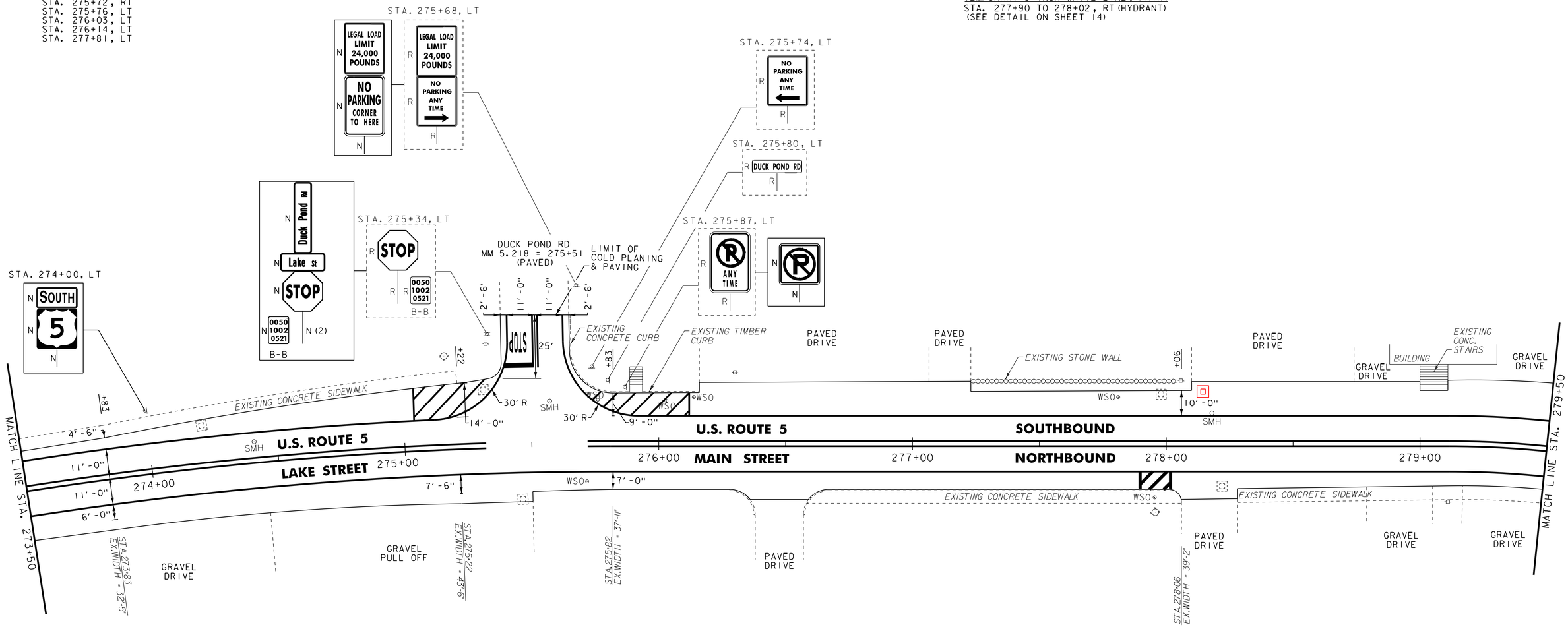
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 273+50 TO 279+50, SOLID LT & RT
STA. 275+51, DOUBLE SOLID LT (DUCK POND RD)

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 277+90 TO 278+02, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 275+51, LT (DUCK POND RD)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 275+51, LT "STOP" (DUCK POND RD)

REMOVING SIGNS
AS SHOWN - 7



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #4

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l04.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 280+30, RT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 280+34, LT
STA. 281+18, LT
STA. 282+96, LT

ADJUSTING ELEVATION OF VALVE BOX
STA. 279+92, RT
STA. 281+00, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 279+50 TO 283+50, SOLID LT & RT
STA. 282+34 TO 282+64, SOLID LT (DIAGONALS)
STA. 283+04 TO 283+34, SOLID LT (DIAGONALS)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 279+50 TO 283+50, SOLID LT & RT

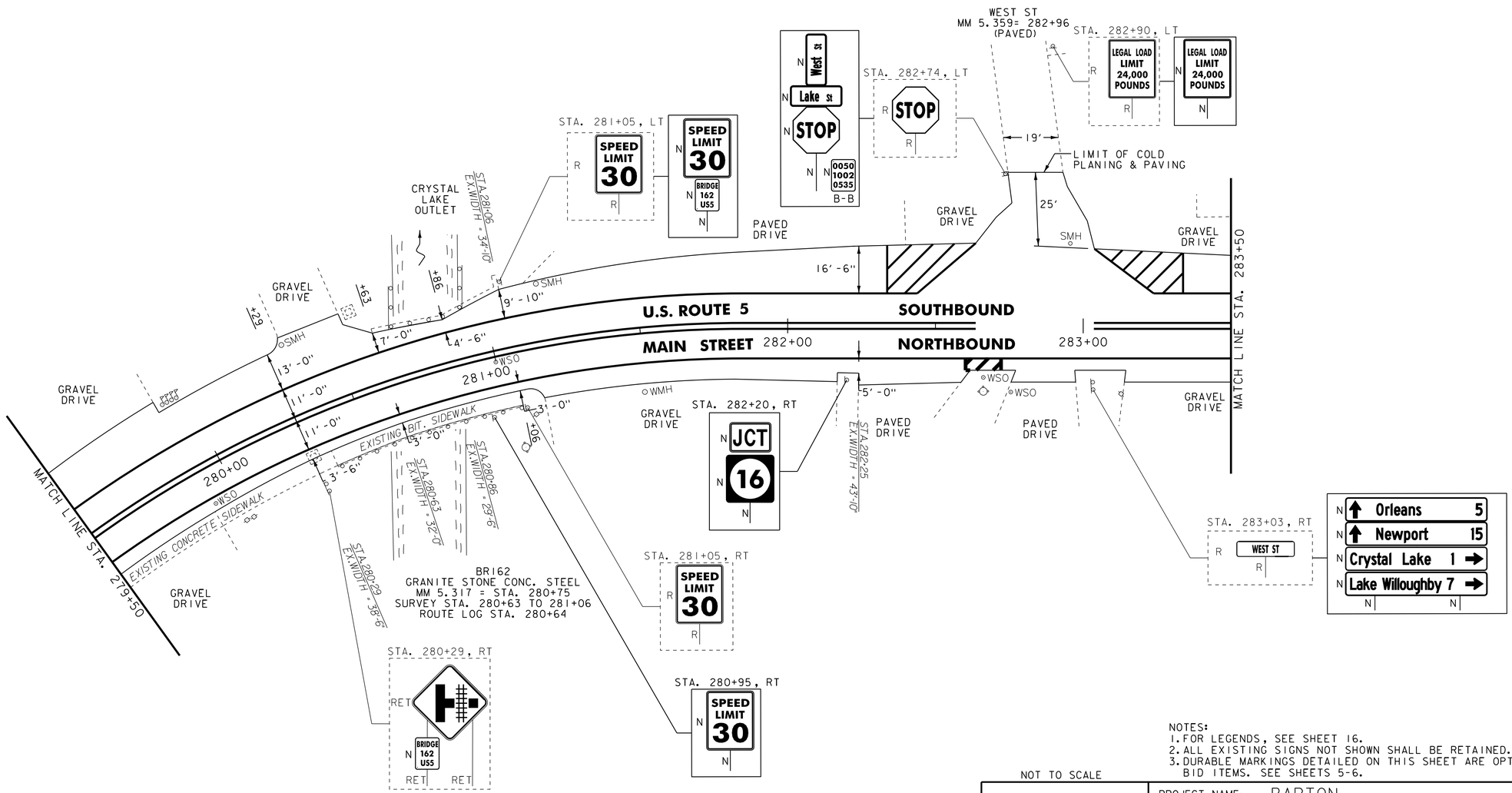
DURABLE 8 INCH WHITE LINE
STA. 282+60 TO 282+72, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 279+50 TO 283+50, SOLID LT & RT
STA. 282+34 TO 282+64, SOLID LT (DIAGONALS)
STA. 283+04 TO 283+34, SOLID LT (DIAGONALS)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 279+50 TO 283+50, SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 282+60 TO 282+72, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

REMOVING SIGNS
AS SHOWN - 5



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #5

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l05.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 20 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 285+89, LT 284+50 LT
STA. 286+05, RT
STA. 286+69, LT
STA. 288+90, LT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 288+93, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 284+67 TO 284+81, RT
STA. 284+82 TO 284+90, LT

REMOVAL OF EXISTING CURB
STA. 284+73, RT
STA. 284+87, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 284+67 TO 284+81, RT
STA. 284+82 TO 284+90, LT

DETECTABLE WARNING SURFACE
STA. 284+73, RT
STA. 284+87, LT

ADJUSTING ELEVATION OF VALVE BOX
STA. 284+73, RT
STA. 285+15, LT
STA. 285+47, LT
STA. 285+69, LT
STA. 288+11, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 283+50 TO 289+50, SOLID LT & RT
STA. 283+80 TO 284+09, SOLID LT (DIAGONALS)
STA. 285+12, SOLID RT (EDGELINES, EASTERN AVE)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 283+50 TO 289+50, SOLID LT & RT
STA. 285+12, DOUBLE SOLID RT (EASTERN AVE)

DURABLE 8 INCH WHITE LINE
STA. 284+56 TO 284+68, RT (HYDRANT)
STA. 288+39 TO 288+51, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
STA. 285+12, RT (EASTERN AVE)

DURABLE LETTER OR SYMBOL
STA. 285+12, RT "STOP" (EASTERN AVE)

DURABLE CROSSWALK MARKING
STA. 284+74, RT TO 284+88, LT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 283+50 TO 289+50, SOLID LT & RT
STA. 283+80 TO 284+09, SOLID LT (DIAGONALS)
STA. 285+12, SOLID RT (EDGELINES, EASTERN AVE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 283+50 TO 289+50, SOLID LT & RT
STA. 285+12, DOUBLE SOLID RT (EASTERN AVE)

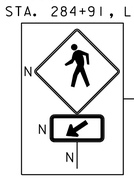
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 284+56 TO 284+68, RT (HYDRANT)
STA. 288+39 TO 288+51, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

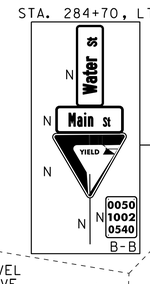
TEMPORARY 24 INCH STOP BAR, PAINT
STA. 285+12, RT (EASTERN AVE)

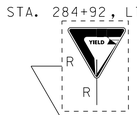
TEMPORARY LETTER OR SYMBOL, PAINT
STA. 285+12, RT "STOP" (EASTERN AVE)

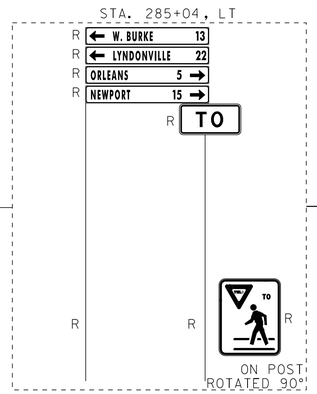
TEMPORARY CROSSWALK MARKING, PAINT
STA. 284+74, RT TO 284+88, LT

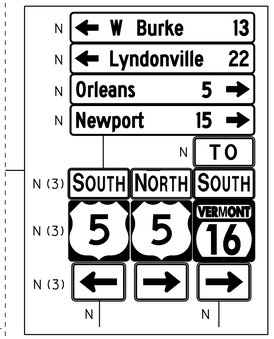
REMOVING SIGNS
AS SHOWN - 33

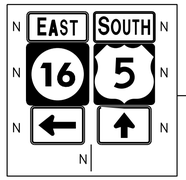


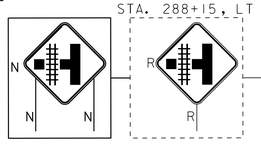


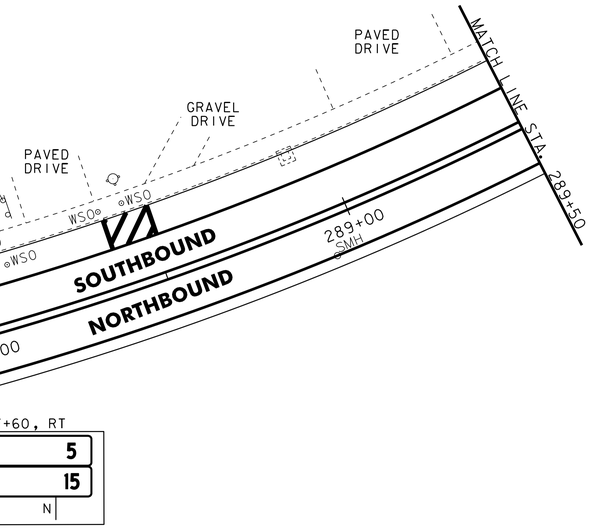


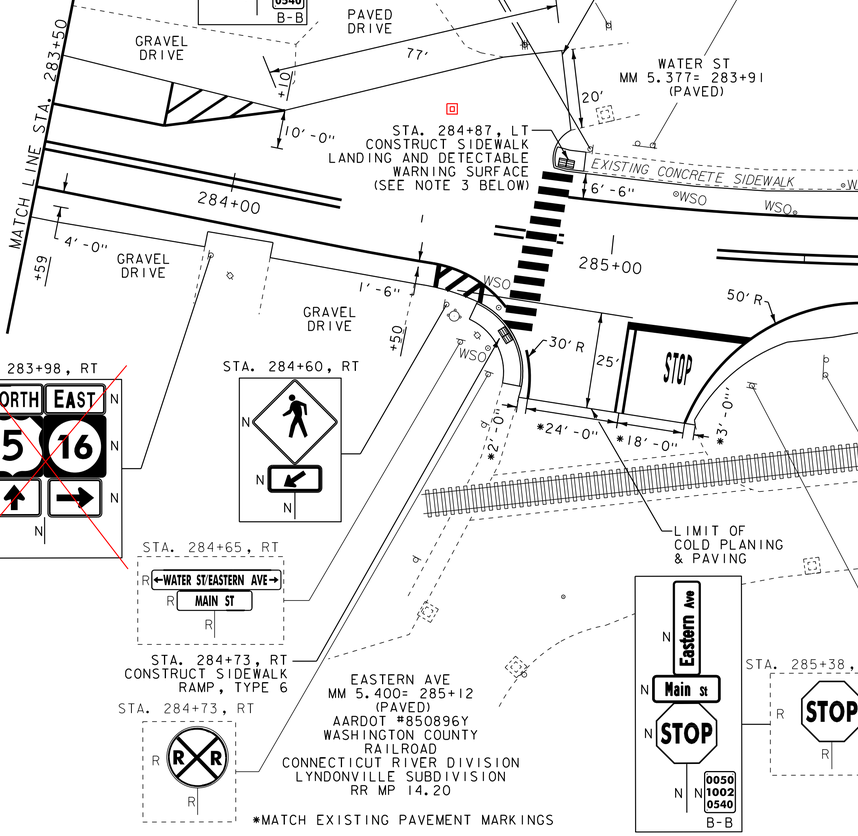








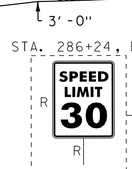


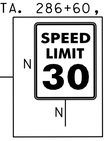


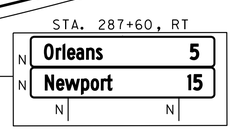
STA. 284+73, RT
CONSTRUCT SIDEWALK
RAMP, TYPE 6

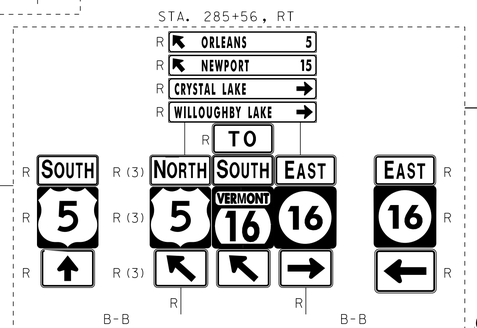
EASTERN AVE
MM 5.400= 285+12
(PAVED)
AARDOT #850896Y
WASHINGTON COUNTY
RAILROAD
CONNECTICUT RIVER DIVISION
LYNDONVILLE SUBDIVISION
RR MP 14.20

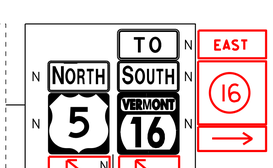
*MATCH EXISTING PAVEMENT MARKINGS











NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVING ONE PANEL OF EXISTING CONCRETE SIDEWALK AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE. FOR PAY ITEMS, SEE SHEETS 7-10.
4. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #6

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l06.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 21 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 291+26, LT
STA. 292+15, LT
STA. 293+26, LT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 291+89 TO 292+05, LT
STA. 292+29 TO 292+37, LT

REMOVAL OF EXISTING CURB
STA. 291+97, LT
STA. 292+33, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 291+89 TO 292+05, LT
STA. 292+29 TO 292+37, LT

DETECTABLE WARNING SURFACE
STA. 291+97, LT
STA. 292+33, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 289+50 TO 294+00, SOLID LT & RT
STA. 291+70 TO 292+00, SOLID LT (DIAGONALS)
STA. 292+41 TO 292+71, SOLID LT (DIAGONALS)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 289+50 TO 294+00, SOLID LT & RT

DURABLE 8 INCH WHITE LINE
STA. 293+21 TO 293+33, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE CROSSWALK MARKING
STA. 292+14, LT

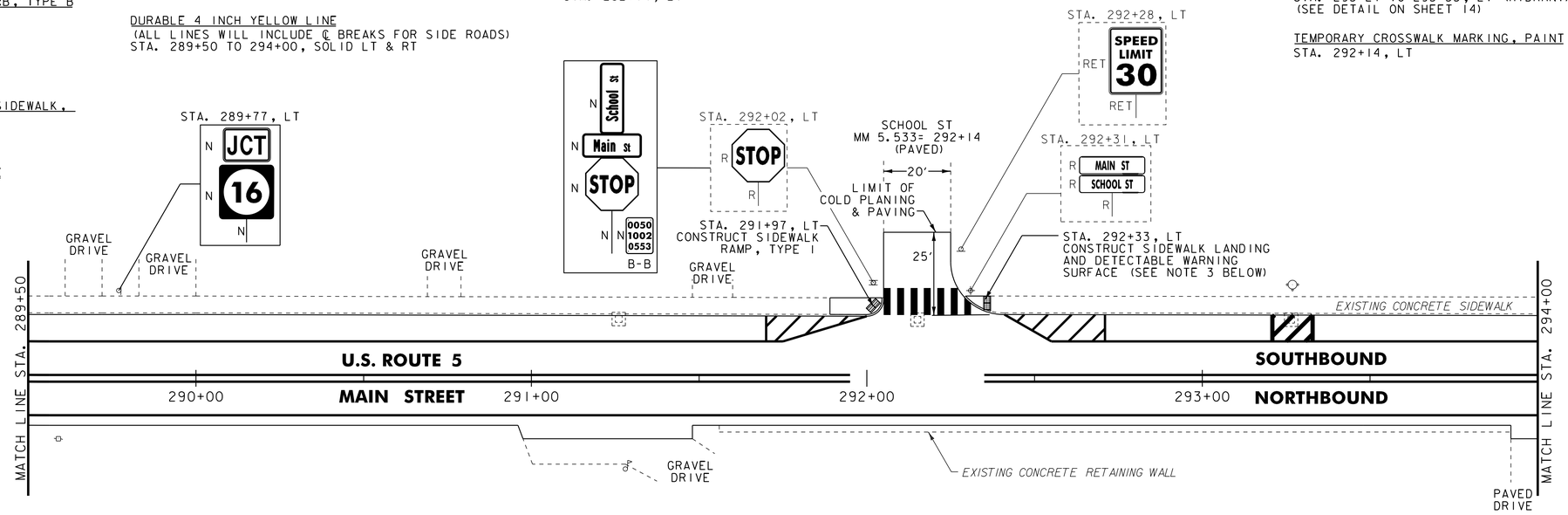
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 289+50 TO 294+00, SOLID LT & RT
STA. 291+70 TO 292+00, SOLID LT (DIAGONALS)
STA. 292+41 TO 292+71, SOLID LT (DIAGONALS)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 289+50 TO 294+00, SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 293+21 TO 293+33, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 292+14, LT

REMOVING SIGNS
AS SHOWN - 3



REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 294+05, LT 296+42 RT
STA. 294+08, RT
STA. 294+94, LT
STA. 296+01, RT
STA. 296+32, LT
STA. 297+37, LT
STA. 297+87, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 297+79 TO 297+86, LT

REMOVAL OF EXISTING CURB
STA. 297+82, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 297+66 TO 297+86, LT
STA. 297+79 TO 297+85, RT

DETECTABLE WARNING SURFACE
STA. 297+82, LT
STA. 297+82, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 294+00 TO 298+00, SOLID LT & RT
STA. 295+15 TO 295+31, SOLID LT (DIAGONALS)
STA. 295+31 TO 296+82, SOLID LT (PARKING)
STA. 296+82 TO 296+93, SOLID LT (DIAGONALS)
STA. 297+48 TO 298+00, SOLID RT (DIAGONALS)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 294+00 TO 298+00, SOLID LT & RT

DURABLE 8 INCH WHITE LINE
STA. 297+33 TO 297+45, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE CROSSWALK MARKING
STA. 297+82, LT - RT

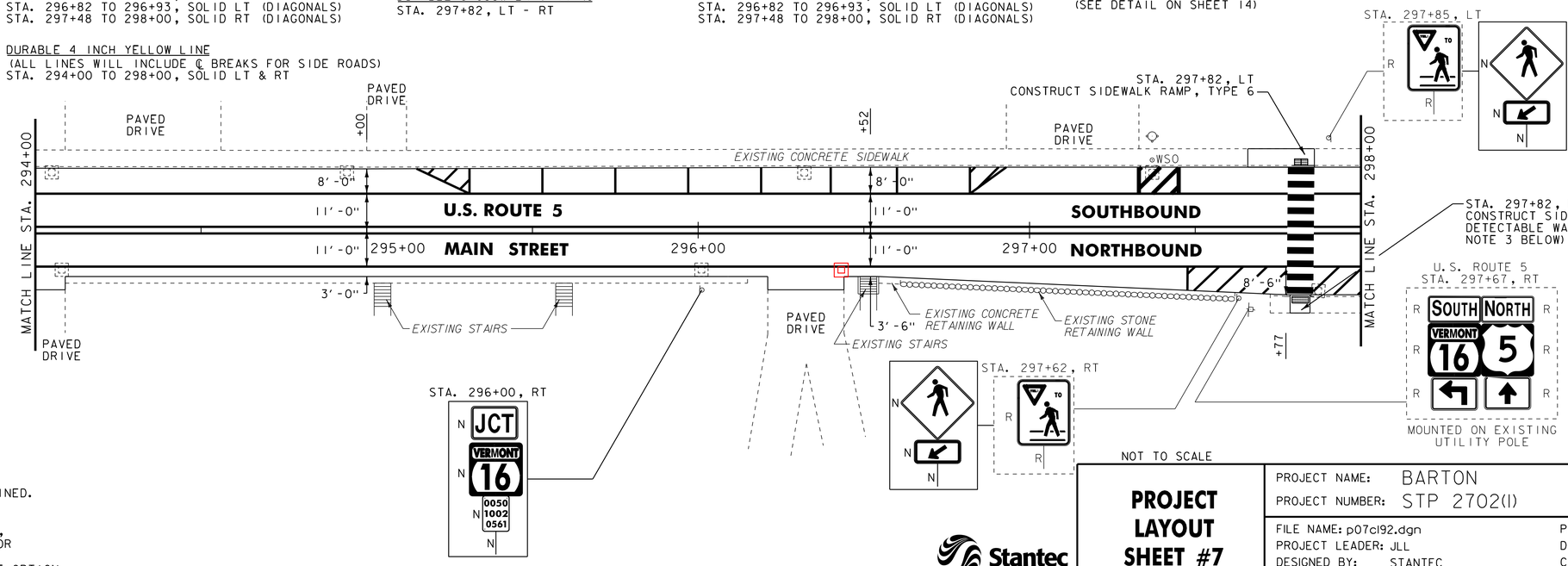
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 294+00 TO 298+00, SOLID LT & RT
STA. 295+15 TO 295+31, SOLID LT (DIAGONALS)
STA. 295+31 TO 296+82, SOLID LT (PARKING)
STA. 296+82 TO 296+93, SOLID LT (DIAGONALS)
STA. 297+48 TO 298+00, SOLID RT (DIAGONALS)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 294+00 TO 298+00, SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 297+33 TO 297+45, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 297+82, LT - RT

REMOVING SIGNS
AS SHOWN - 8



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVING ONE PANEL OF EXISTING CONCRETE SIDEWALK AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE. FOR PAY ITEMS, SEE SHEETS 7-10.
4. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #7

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l07.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 22 OF 75

FOR CONSTRUCTION NOTES & PAVEMENT MARKING DETAILS SEE SHEET 24

VT ROUTE 16 STA. 122+41, RT

N Orleans 5
N Newport 15
N Crystal Lake 1
N Lake Willoughby 7
N (3) NORTH SOUTH TO
N (3) 5 5 16
N (3)
N N

SENIOR CENTER CONC. ENTRANCE

VT ROUTE 16 STA. 122+47, RT

R ORLEANS 5
R NEWPORT 15
R CRYSTAL LAKE 1
R WILLOUGHBY LAKE 7
R TO R
R (3) NORTH SOUTH EAST
R (3) 5 5 VERMONT 16
R (3)
R TO R TO R
B-B R R R

MATCH LINE VT ROUTE 16 STA. 122+00 (SEE SHEET 32)

VT ROUTE 16 STA. 122+67, LT
CONSTRUCT SIDEWALK RAMP, TYPE 6

PAVED DRIVE
SMH
+30
PAVED DRIVE
CONCRETE
+71
16'-0"

VT ROUTE 16 STA. 122+71, LT
N
N
N

END STP 2702(1) VT ROUTE 16
STA. 124+44.96 = MM 2.357

VT ROUTE 16 STA. 122+58, RT
N
N

VT ROUTE 16 STA. 122+52, RT
RET PARKING
RET
(PRIVATE)
EXISTING GUIDE POLE

VT ROUTE 16 STA. 123+03, LT
N RESERVED PARKING
N VAN ACCESSIBLE
N

VT ROUTE 16 STA. 123+26, RT
R STOP R

N Village St
N Church St
N STOP
N N 0160 1002 0233
B-B

VT ROUTE 16 STA. 124+05, RT
STOP R
R 0050 1002 0568 R
B-B

N Church St
N Main St
N STOP
N N 0050 1002 0568
B-B

U.S. ROUTE 5 STA. 301+90, RT
R TO TO R
R B-B

N NORTH
N 5
N

BR163
CONC. BOX W 1943
MM 5.729 = STA. 302+48

VT ROUTE 16 STA. 122+75, RT
CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE (SEE NOTE 3 BELOW)

123+00
+04
+32
+00
+34
+38

VILLAGE SQ
MM 2.330 = 123+02
(PAVED)

EXISTING BITUMINOUS SIDEWALK
10'-0"
11'-0"
11'-0"
9'-6"
R=20
STOP
12'-0"
CHURCH STREET
VT ROUTE 16
24'-0"
12'-0"
16'-0"
25'-6"
EXISTING BITUMINOUS SIDEWALK
GRAVEL DRIVE
R=28'
R=102'
R=18'
R=15'
7'-6"
5'-6"
11'-0"
SOUTHBOUND
NORTHBOUND
11'-0"
299+00
300+00
301+00
302+00
8'-6"
SMH
WSO
PAVED DRIVE
EXISTING CONCRETE SIDEWALK
EXISTING CONCRETE SIDEWALK
MATCH LINE STA. 298+00
MATCH LINE STA. 302+50
12'R
20'R
27'
9'-11"
25'
19'

U.S. ROUTE 5 STA. 298+99, LT
R VILLAGE SQ, HARRISON AVE R

U.S. ROUTE 5 STA. 298+33, LT
R YIELD R

N Village St
N Main St
N YIELD
N N 0050 1002 0565
B-B

VT ROUTE 16 STA. 123+27, RT
R VILLAGE SQ R

VT ROUTE 16 STA. 124+11, RT
R MAIN ST R

U.S. ROUTE 5
MAIN STREET

VILLAGE SQ
MM 5.652 = 298+43
(PAVED)

HARRISON AVE
MM 5.656 = 298+64
(PAVED)

PORTER LN
MM 5.709 = 301+44, RT
(PAVED)

U.S. ROUTE 5 STA. 298+40, RT
N SOUTH NORTH N
N VERMONT 16 5 N
N N
N

U.S. ROUTE 5 STA. 298+84, RT
R STOP R

N Harrison Ave
N Main St
N STOP
N N 0050 1002 0566
B-B

U.S. ROUTE 5 STA. 301+60, RT
N Porter Ln
N Main St
N STOP
N N 0050 1002 0571
B-B

U.S. ROUTE 5 STA. 301+67, RT
R PORTER LN R
R MAIN ST R

U.S. ROUTE 5 STA. 302+40, RT
N BRIDGE 163 US5 N
N

STA. 298+88, RT
CONSTRUCT SIDEWALK RAMP, TYPE I

STA. 298+51, RT
CONSTRUCT SIDEWALK RAMP, TYPE I

LIMIT OF COLD PLANING & PAVING

LIMIT OF COLD PLANING & PAVING

STA. 301+58, RT
CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE (SEE NOTE 3 BELOW)

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVING ONE PANEL OF EXISTING CONCRETE SIDEWALK AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE. FOR PAY ITEMS, SEE SHEETS 7-10.
4. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #8A

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192I08A.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 23 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
DIs, CBs OR MHs, CLASS I OR II
U.S. ROUTE 5
STA. 298+19, LT
STA. 298+81, RT
STA. 301+37, RT
STA. 301+75, LT
STA. 302+05, RT
STA. 302+23, LT
VT ROUTE 16
STA. 122+09, LT
STA. 123+23, RT
STA. 124+31, RT

CHANGING ELEVATION OF SEWER MANHOLES
U.S. ROUTE 5
STA. 298+36, RT
STA. 299+00, RT
STA. 300+10, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
U.S. ROUTE 5
STA. 298+44 TO 298+57, RT
STA. 298+82 TO 298+93, RT

REMOVAL OF EXISTING CURB
STA. 298+51, RT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
U.S. ROUTE 5
STA. 298+44 TO 298+57, RT
STA. 298+82 TO 298+93, RT
STA. 301+56 TO 301+59, RT
VT ROUTE 16
STA. 122+61 TO 122+72, LT
STA. 122+73 TO 122+78, RT

DETECTABLE WARNING SURFACE
U.S. ROUTE 5
STA. 298+51, RT
STA. 298+88, RT
STA. 301+58, RT
VT ROUTE 16
STA. 122+67, LT
STA. 122+75, RT

ADJUSTING ELEVATION OF VALVE BOX
U.S. ROUTE 5
STA. 300+96, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
U.S. ROUTE 5
STA. 298+00 TO 302+50, SOLID LT & RT
STA. 298+00 TO 298+57, SOLID RT (DIAGONALS)
STA. 298+43, SOLID LT (EDGELINES, VILLAGE SQ)
STA. 298+43, SOLID LT (PARKING, VILLAGE SQ)
STA. 298+43, SOLID LT (DIAGONALS, VILLAGE SQ)
STA. 298+64, SOLID RT (EDGELINES, HARRISON AVE)
STA. 298+84 TO 299+22, SOLID RT (DIAGONALS)
STA. 301+07 TO 301+37, SOLID RT (DIAGONALS)
VT ROUTE 16
STA. 122+00 TO 123+15, SOLID LT
STA. 122+00 TO 124+17, SOLID RT
STA. 122+71 TO 123+04, SOLID LT (DIAGONALS)
STA. 123+01 TO 124+34, SOLID LT (PARKING)
STA. 124+24 TO 124+61, SOLID LT (DIAGONALS)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
U.S. ROUTE 5
STA. 298+00 TO 302+50, SOLID LT & RT
STA. 298+64, DOUBLE SOLID RT (HARRISON AVE)
STA. 298+43, DOUBLE SOLID LT (VILLAGE SQ)
VT ROUTE 16
STA. 122+00 TO 124+33, SOLID LT & RT

DURABLE 8 INCH WHITE LINE
U.S. ROUTE 5
STA. 299+77 TO 299+89, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
U.S. ROUTE 5
STA. 298+64, RT (HARRISON AVE)
VT ROUTE 16
STA. 124+31, RT
STA. 123+02, RT (VILLAGE SQ)

DURABLE LETTER OR SYMBOL
U.S. ROUTE 5
STA. 298+43, LT YIELD BAR (4 EACH) (VILLAGE SQ)
(SEE DETAIL ON SHEET 14)
STA. 298+64, RT "STOP" (HARRISON AVE)
VT ROUTE 16
STA. 123+02, RT "STOP" (VILLAGE SQ)
STA. 123+15, LT ACCESSIBILITY SYMBOL
(SEE DETAIL ON SHEET 14)
STA. 124+13, RT "STOP"

DURABLE CROSSWALK MARKING
U.S. ROUTE 5
STA. 298+57 TO 298+88, RT
VT ROUTE 16
STA. 122+67, LT TO 122+75, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
U.S. ROUTE 5
STA. 298+00 TO 302+50, SOLID LT & RT
STA. 298+00 TO 298+57, SOLID RT (DIAGONALS)
STA. 298+43, SOLID LT (EDGELINES, VILLAGE SQ)
STA. 298+43, SOLID LT (PARKING, VILLAGE SQ)
STA. 298+43, SOLID LT (DIAGONALS, VILLAGE SQ)
STA. 298+64, SOLID RT (EDGELINES, HARRISON AVE)
STA. 298+84 TO 299+22, SOLID RT (DIAGONALS)
STA. 301+07 TO 301+37, SOLID RT (DIAGONALS)
VT ROUTE 16
STA. 122+00 TO 123+15, SOLID LT
STA. 122+00 TO 124+17, SOLID RT
STA. 122+71 TO 123+04, SOLID LT (DIAGONALS)
STA. 123+01 TO 124+34, SOLID LT (PARKING)
STA. 124+24 TO 124+61, SOLID LT (DIAGONALS)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
U.S. ROUTE 5
STA. 298+00 TO 302+50, SOLID LT & RT
STA. 298+64, DOUBLE SOLID RT (HARRISON AVE)
STA. 298+43, DOUBLE SOLID LT (VILLAGE SQ)
VT ROUTE 16
STA. 122+00 TO 124+33, SOLID LT & RT

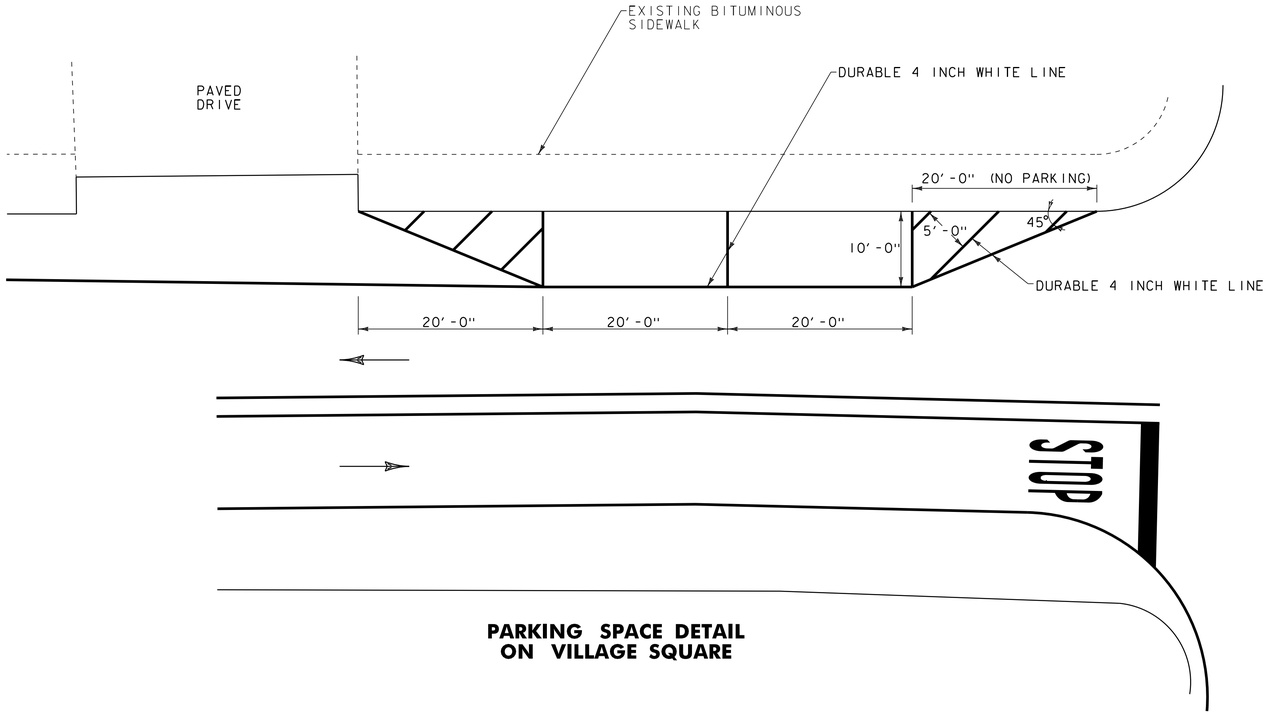
TEMPORARY 8 INCH WHITE LINE, PAINT
U.S. ROUTE 5
STA. 299+77 TO 299+89, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 24 INCH STOP BAR, PAINT
U.S. ROUTE 5
STA. 298+64, RT (HARRISON AVE)
VT ROUTE 16
STA. 124+31, RT
STA. 123+02, RT (VILLAGE SQ)

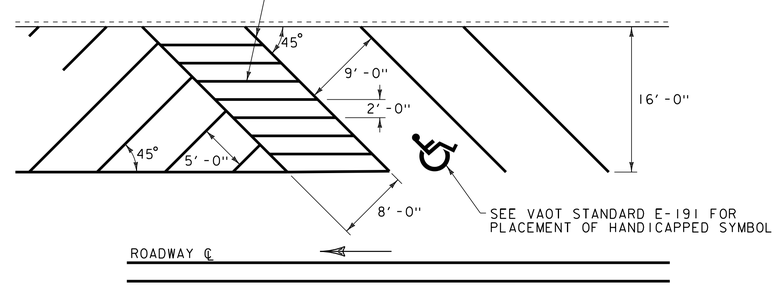
TEMPORARY LETTER OR SYMBOL, PAINT
U.S. ROUTE 5
STA. 298+43, LT YIELD BAR (4 EACH) (VILLAGE SQ)
(SEE DETAIL ON SHEET 14)
STA. 298+64, RT "STOP" (HARRISON AVE)
VT ROUTE 16
STA. 123+02, RT "STOP" (VILLAGE SQ)
STA. 123+15, LT ACCESSIBILITY SYMBOL
(SEE DETAIL ON SHEET 14)
STA. 124+13, RT "STOP"

TEMPORARY CROSSWALK MARKING, PAINT
U.S. ROUTE 5
STA. 298+57 TO 298+88, RT
VT ROUTE 16
STA. 122+67, LT TO 122+75, RT

REMOVING SIGNS
AS SHOWN - 28



PARKING SPACE DETAIL ON VILLAGE SQUARE



DIAGONAL PARKING DETAIL

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #8B

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l08B.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 24 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 302+63, RT
STA. 303+62, RT
STA. 305+02, RT
STA. 305+51, LT
STA. 306+15, RT
304+25 LT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 303+89, LT
STA. 305+25, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 303+84 TO 303+96, LT
STA. 304+18 TO 304+29, LT
STA. 305+38 TO 305+52, RT
STA. 306+13 TO 306+27, RT
STA. 306+39 TO 306+50, RT

REMOVAL OF EXISTING CURB
STA. 303+92, LT
STA. 304+24, LT
STA. 305+45, RT
STA. 306+20, RT
STA. 306+45, RT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 303+84 TO 303+96, LT
STA. 304+18 TO 304+29, LT
STA. 305+38 TO 305+52, RT
STA. 306+13 TO 306+27, RT
STA. 306+39 TO 306+50, RT

DETECTABLE WARNING SURFACE
STA. 303+92, LT
STA. 304+24, LT
STA. 305+45, RT
STA. 306+20, RT
STA. 306+45, RT

ADJUSTING ELEVATION OF VALVE BOX
STA. 304+16, LT
STA. 305+17, RT
STA. 305+39, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 302+50 TO 306+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 302+50 TO 306+50, SOLID LT & RT
STA. 305+29, DOUBLE SOLID RT (LINCOLN AVE)

DURABLE 8 INCH WHITE LINE
STA. 304+22 TO 304+34, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
STA. 305+29, RT (LINCOLN AVE)

DURABLE LETTER OR SYMBOL
STA. 305+29, RT "STOP" (LINCOLN AVE)

DURABLE CROSSWALK MARKING
STA. 303+92, LT - RT
STA. 303+98 TO 304+16, LT
STA. 305+14 TO 305+36, RT
STA. 306+29 TO 306+41, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 302+50 TO 306+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 302+50 TO 306+50, SOLID LT & RT
STA. 305+29, DOUBLE SOLID RT (LINCOLN AVE)

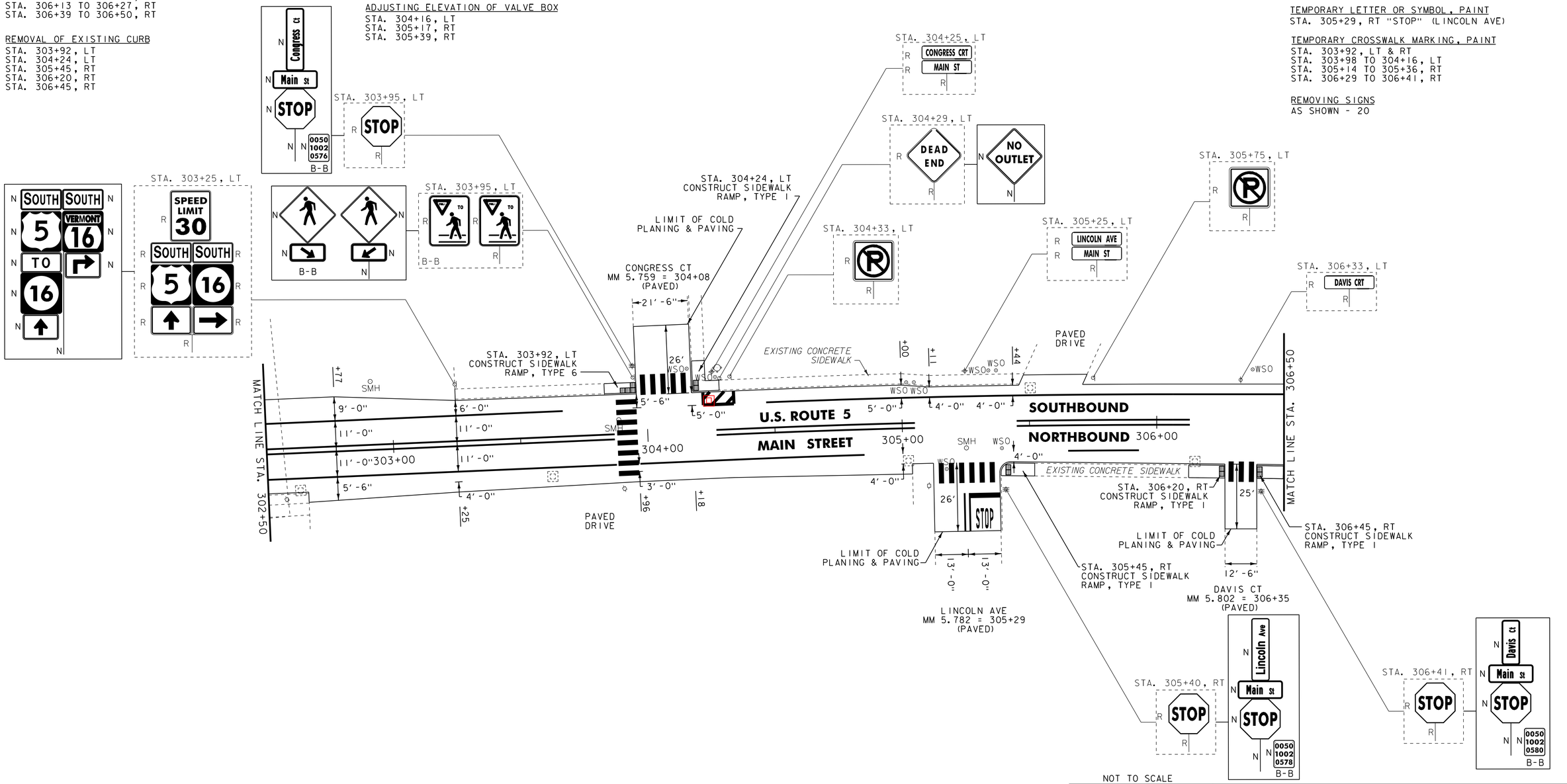
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 304+22 TO 304+34, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 305+29, RT (LINCOLN AVE)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 305+29, RT "STOP" (LINCOLN AVE)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 303+92, LT & RT
STA. 303+98 TO 304+16, LT
STA. 305+14 TO 305+36, RT
STA. 306+29 TO 306+41, RT

REMOVING SIGNS
AS SHOWN - 20



NOT TO SCALE

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

Stantec

PROJECT LAYOUT SHEET #9

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l09.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 25 OF 75

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 306+98, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 306+82 TO 306+99, RT

REMOVAL OF EXISTING CURB
STA. 306+96, RT

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 309+75 TO 310+89, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 306+82 TO 306+99, RT

DETECTABLE WARNING SURFACE
STA. 306+96, RT

ADJUST ELEVATION OF VALVE BOX
STA. 310+85, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 306+50 TO 311+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 306+50 TO 311+50, SOLID LT & RT

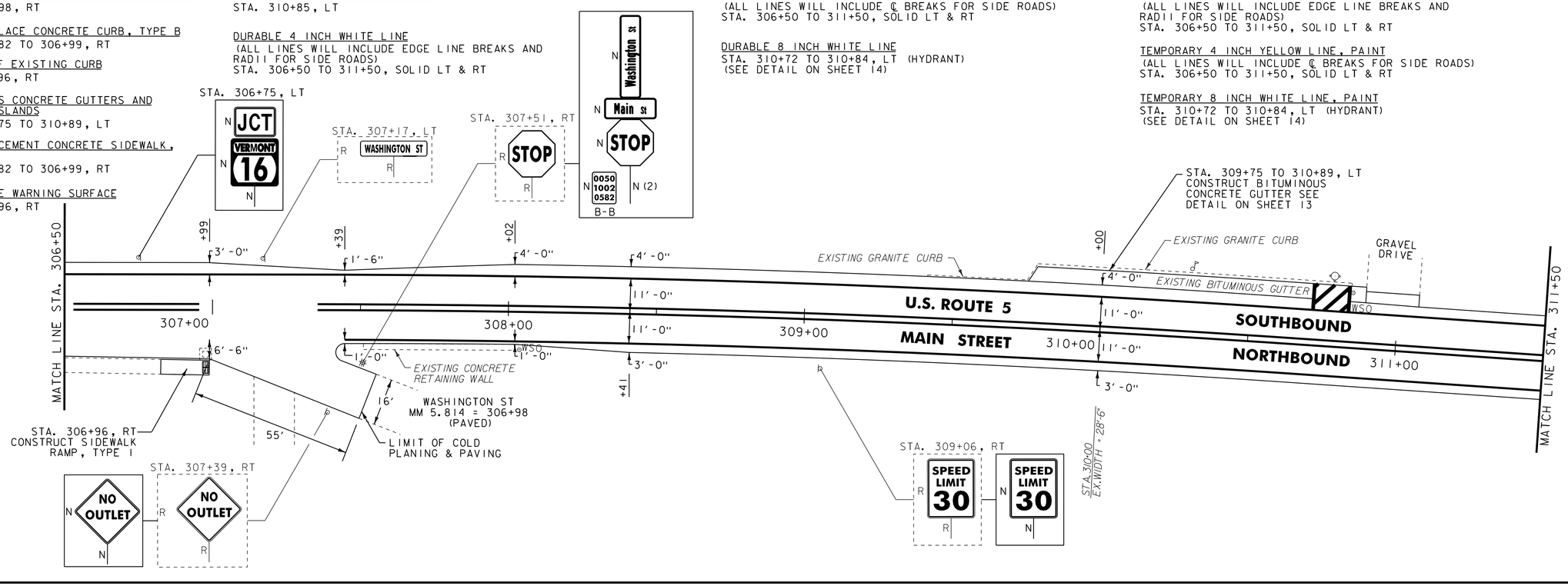
DURABLE 8 INCH WHITE LINE
STA. 310+72 TO 310+84, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 306+50 TO 311+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 306+50 TO 311+50, SOLID LT & RT

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 310+72 TO 310+84, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

REMOVING SIGNS
AS SHOWN - 4



REMOVING SIGNS
AS SHOWN - 2

END STP 2702(1) U.S. ROUTE 5
STA. 315+90.24 = MM 5.983

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 311+58.0 TO 320+08.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 311+58.0, LT
STA. 320+08.0, LT

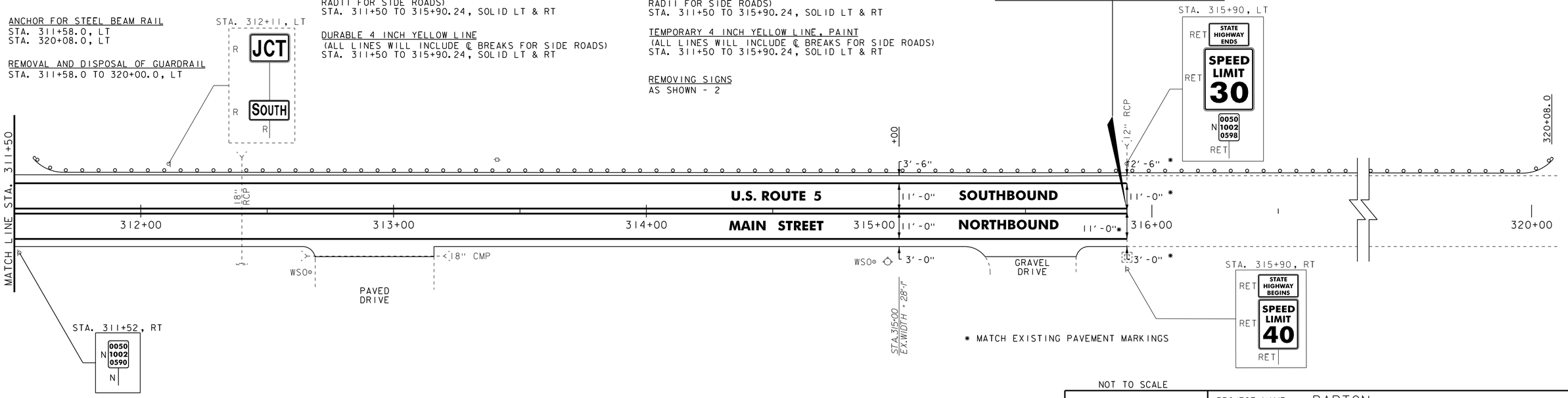
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 311+58.0 TO 320+00.0, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 311+50 TO 315+90.24, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 311+50 TO 315+90.24, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 311+50 TO 315+90.24, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 311+50 TO 315+90.24, SOLID LT & RT



NOT TO SCALE

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

Stantec

PROJECT LAYOUT SHEET #10

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l10.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 26 OF 75

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 92+48.0 TO 93+39.0, LT
(CONNECT TO EXISTING SB GUARDRAIL AT THE FIRST CONCRETE BRIDGE POST)

ANCHOR FOR STEEL BEAM RAIL
STA. 93+39.0, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 92+48.0 TO 93+30.0, LT

ADJUSTING ELEVATION OF VALVE BOX
STA. 92+87, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 92+18.88 TO 95+50, SOLID LT & RT
STA. 92+56, SOLID LT (EDGELINES, ROARING BROOK ROAD)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 92+18.88 TO 95+50, SOLID LT & RT
STA. 92+56, DOUBLE SOLID LT (ROARING BROOK ROAD)

DURABLE 24 INCH STOP BAR
STA. 92+56, LT (ROARING BROOK ROAD)

DURABLE LETTER OR SYMBOL
STA. 92+56, LT "STOP" (ROARING BROOK ROAD)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 92+18.88 TO 95+50, SOLID LT & RT
STA. 92+56, SOLID LT (EDGELINES, ROARING BROOK ROAD)

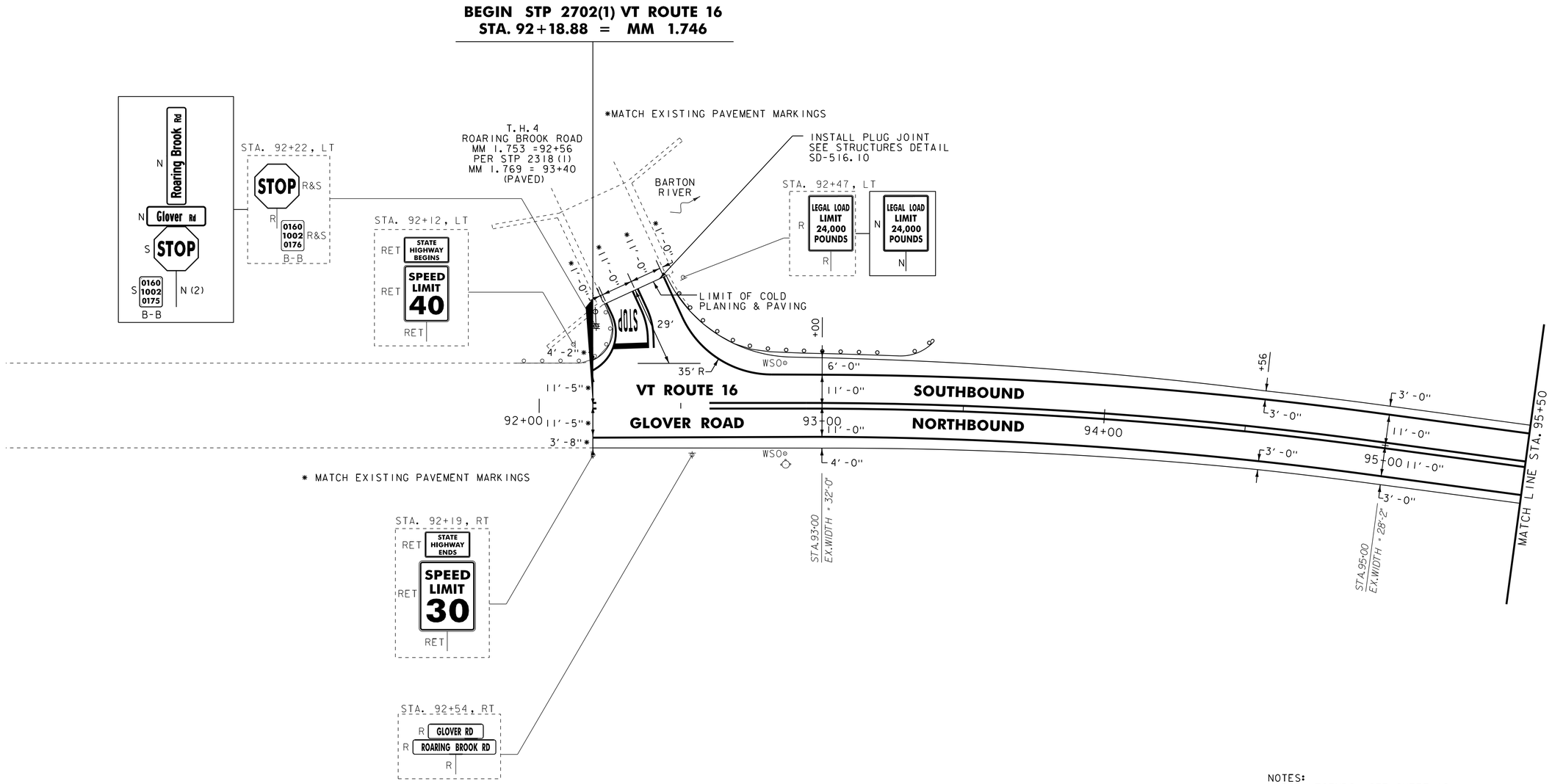
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 92+18.88 TO 95+50, SOLID LT & RT
STA. 92+56, DOUBLE SOLID LT (ROARING BROOK ROAD)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 92+56, LT (ROARING BROOK ROAD)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 92+56, LT "STOP" (ROARING BROOK ROAD)

REMOVING SIGNS
AS SHOWN - 5

ERECTING SALVAGED SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

PROJECT LAYOUT SHEET #11

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l11.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 27 OF 75

Stantec

CHANGING ELEVATION OF SEWER MANHOLES
STA. 97+15, LT

REHAB DICLASS I
STA 98+25 LT
STA 99+95 LT

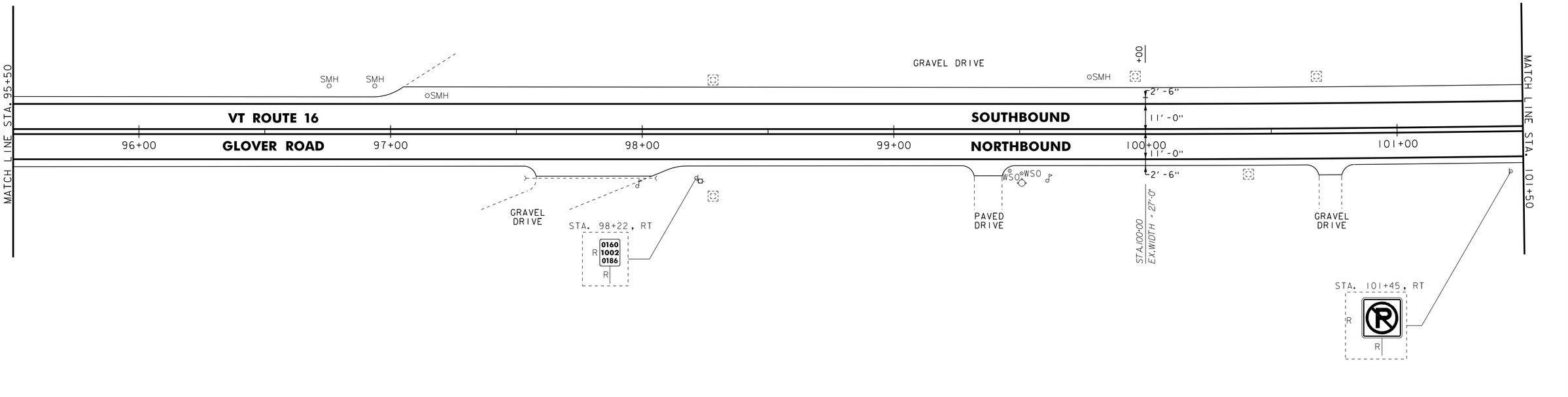
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 95+50 TO 101+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 95+50 TO 101+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 95+50 TO 101+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 95+50 TO 101+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #12

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l12.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 28 OF 75

REHAB. DIs, CBs OR MHs, CLASS I OR II
STA. 101+83, LT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 101+67, LT
STA. 102+56, LT

ADJUSTING ELEVATION OF VALVE BOX
STA. 106+34, RT

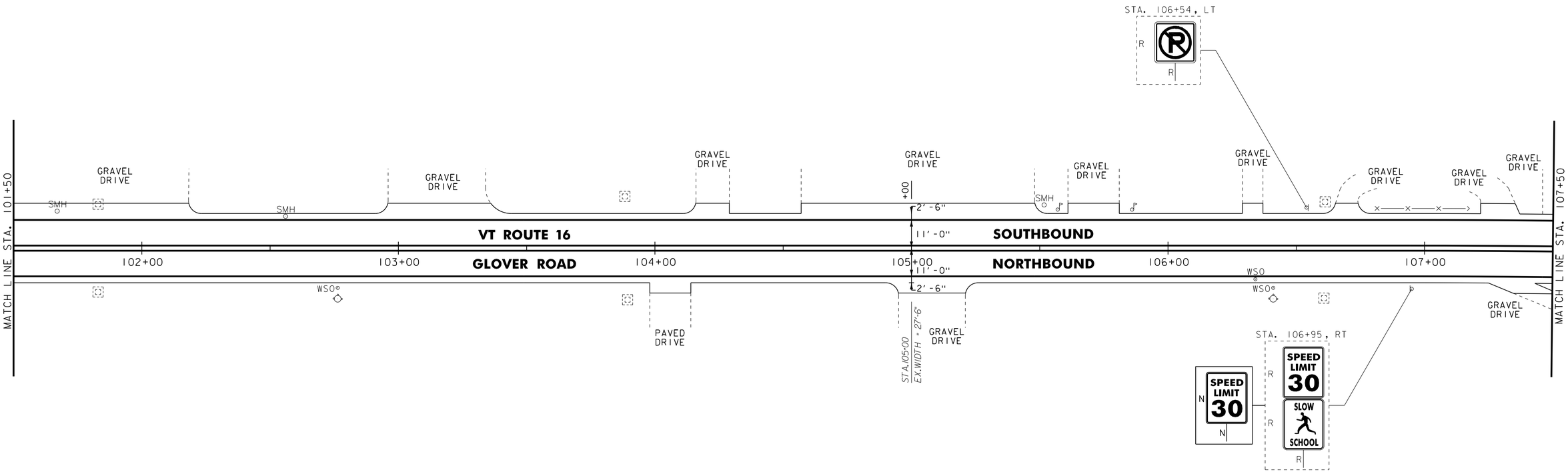
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 101+50 TO 107+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 101+50 TO 107+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 101+50 TO 107+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 101+50 TO 107+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #13

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192I13.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 29 OF 75

REHAB. DIs, CBs OR MHs, CLASS I OR II
STA. 108+60, LT 111+30 RT
STA. 111+84, LT
STA. 113+18, LT
113+18 RT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 108+63, LT
STA. 109+57, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 107+50 TO 113+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 107+50 TO 113+50, SOLID LT & RT

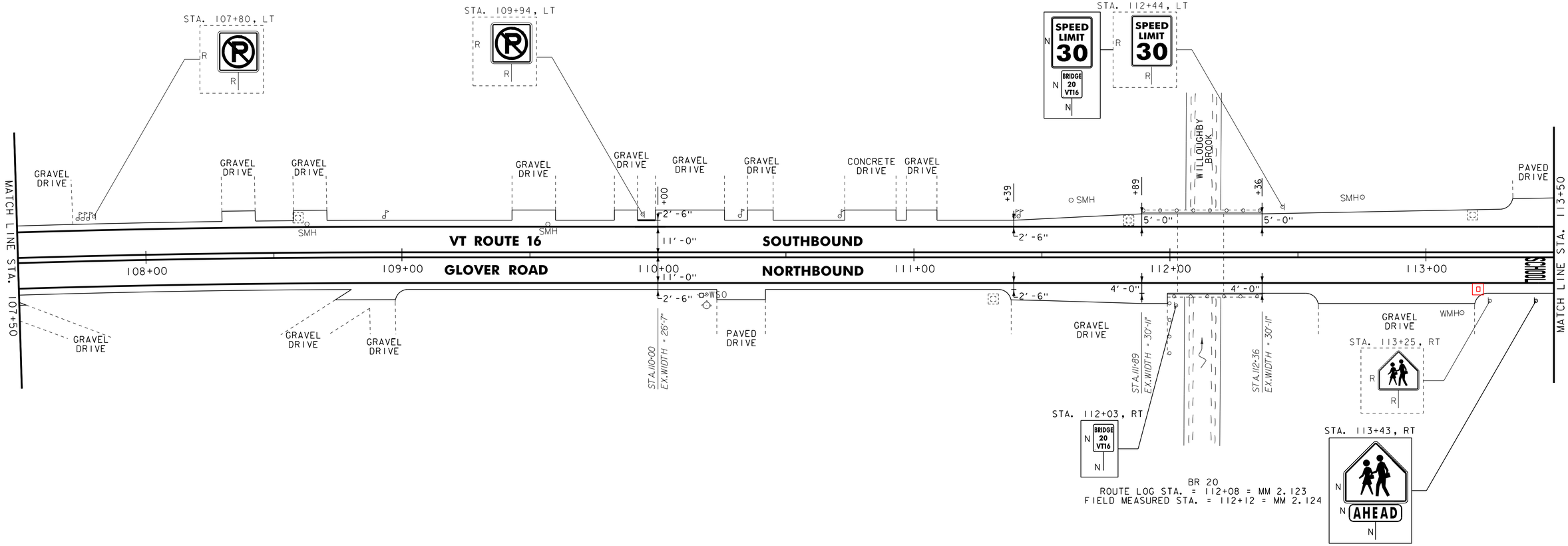
DURABLE LETTER OR SYMBOL
STA. 113+43, RT "SCHOOL"

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 107+50 TO 113+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 107+50 TO 113+50, SOLID LT & RT

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 113+43, RT "SCHOOL"

REMOVING SIGNS
AS SHOWN - 4



NOT TO SCALE

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

Stantec

PROJECT LAYOUT SHEET #14

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l14.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 30 OF 75

REHAB. DIs, CBs OR MHs, CLASS I OR II
STA. 114+72, RT 114+97 LT
STA. 114+97, RT
STA. 115+09, RT
STA. 116+68, RT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 114+73, LT
STA. 114+89, RT

ADJUSTING ELEVATION OF VALVE BOX
STA. 114+83, LT
STA. 115+04, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 115+11 TO 115+16, LT
STA. 116+54, LT
STA. 116+54, RT

REMOVAL OF EXISTING CURB
STA. 115+14, LT
STA. 116+54, LT
STA. 116+54, RT

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 115+06 TO 115+12, RT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 115+11 TO 115+16, LT
STA. 115+12 TO 115+17, RT
STA. 116+54, LT
STA. 116+54, RT

DETECTABLE WARNING SURFACE
STA. 115+14, LT
STA. 115+14, RT
STA. 116+54, LT
STA. 116+54, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 113+50 TO 117+50, SOLID LT & RT
STA. 114+79, SOLID LT (EDGELINES, ELM ST)
STA. 114+95, SOLID RT (EDGELINES, WATER ST)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 113+50 TO 117+50, SOLID LT & RT
STA. 114+79, DOUBLE SOLID LT (ELM ST)
STA. 114+95, DOUBLE SOLID RT (WATER ST)

DURABLE 8 INCH WHITE LINE
STA. 116+91 TO 117+03, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
STA. 114+79, LT (ELM ST)
STA. 114+95, RT (WATER ST)

DURABLE LETTER OR SYMBOL
STA. 114+79, LT "STOP" (ELM ST)
STA. 114+95, RT "STOP" (WATER ST)

DURABLE CROSSWALK MARKING
STA. 114+57 TO 115+08, LT
STA. 115+14, LT - RT
STA. 116+54, LT - RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 113+50 TO 117+50, SOLID LT & RT
STA. 114+79, SOLID LT (EDGELINES, ELM ST)
STA. 114+95, SOLID RT (EDGELINES, WATER ST)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 113+50 TO 117+50, SOLID LT & RT
STA. 114+79, DOUBLE SOLID LT (ELM ST)
STA. 114+95, DOUBLE SOLID RT (WATER ST)

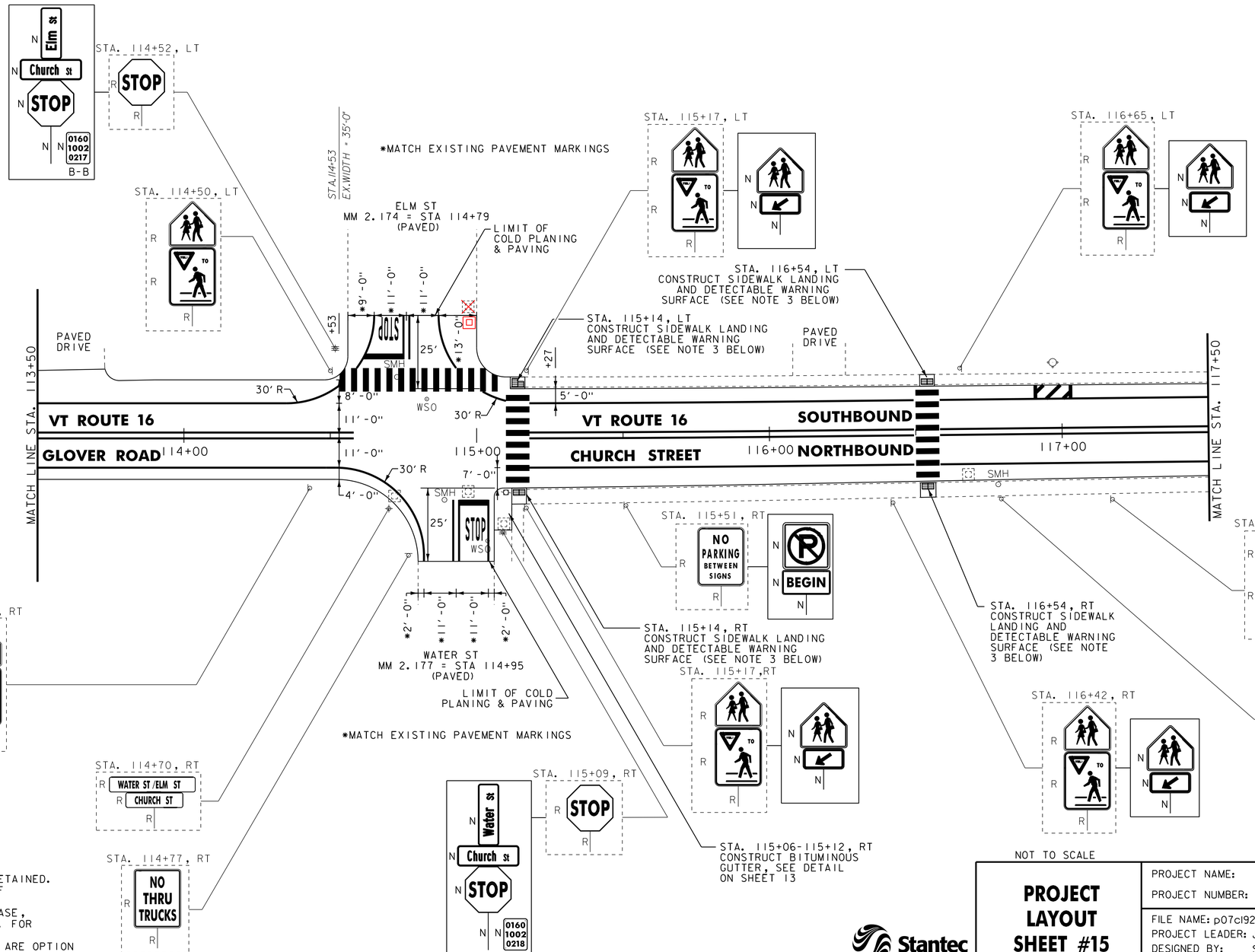
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 116+91 TO 117+03, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 114+79, LT (ELM ST)
STA. 114+95, RT (WATER ST)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 114+79, LT "STOP" (ELM ST)
STA. 114+95, RT "STOP" (WATER ST)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 114+57 TO 115+08, LT
STA. 115+14, LT - RT
STA. 116+54, LT - RT

REMOVING SIGNS
AS SHOWN - 21



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVING ONE PANEL OF EXISTING CONCRETE SIDEWALK AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE. FOR PAY ITEMS, SEE SHEETS 7-10.
4. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #15

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l15.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 31 OF 75

REHAB. DIs, CBs OR MHs, CLASS I OR II
STA. 117+97, RT
STA. 118+15, RT
STA. 120+62, RT
STA. 121+86, RT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 118+21, RT
STA. 119+23, RT

CAST-IN-PLACE CONCRETE CURB, TYPE B
STA. 117+93, RT
STA. 118+19, RT
STA. 119+80, LT
STA. 120+04, RT

REMOVAL OF EXISTING CURB
STA. 117+93, RT
STA. 118+19, RT
STA. 119+80, LT
STA. 120+04, RT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 117+93, RT
STA. 118+19, RT
STA. 119+80, LT
STA. 120+04, RT

DETECTABLE WARNING SURFACE
STA. 117+93, RT
STA. 118+19, RT
STA. 119+80, LT
STA. 120+04, RT

ADJUSTING ELEVATION OF VALVE BOX
STA. 118+02, LT
STA. 121+72, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 117+50 TO 122+00, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 117+50 TO 122+00, SOLID LT & RT
STA. 118+06, DOUBLE SOLID RT (SCHOOL ST)

DURABLE 24 INCH STOP BAR
STA. 118+06, RT (SCHOOL ST)

DURABLE LETTER OR SYMBOL
STA. 118+06, RT "STOP" (SCHOOL ST)
STA. 118+59, LT "SCHOOL"

DURABLE CROSSWALK MARKING
STA. 117+97 TO 118+15, RT
STA. 119+89, LT - RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 117+50 TO 122+00, SOLID LT & RT

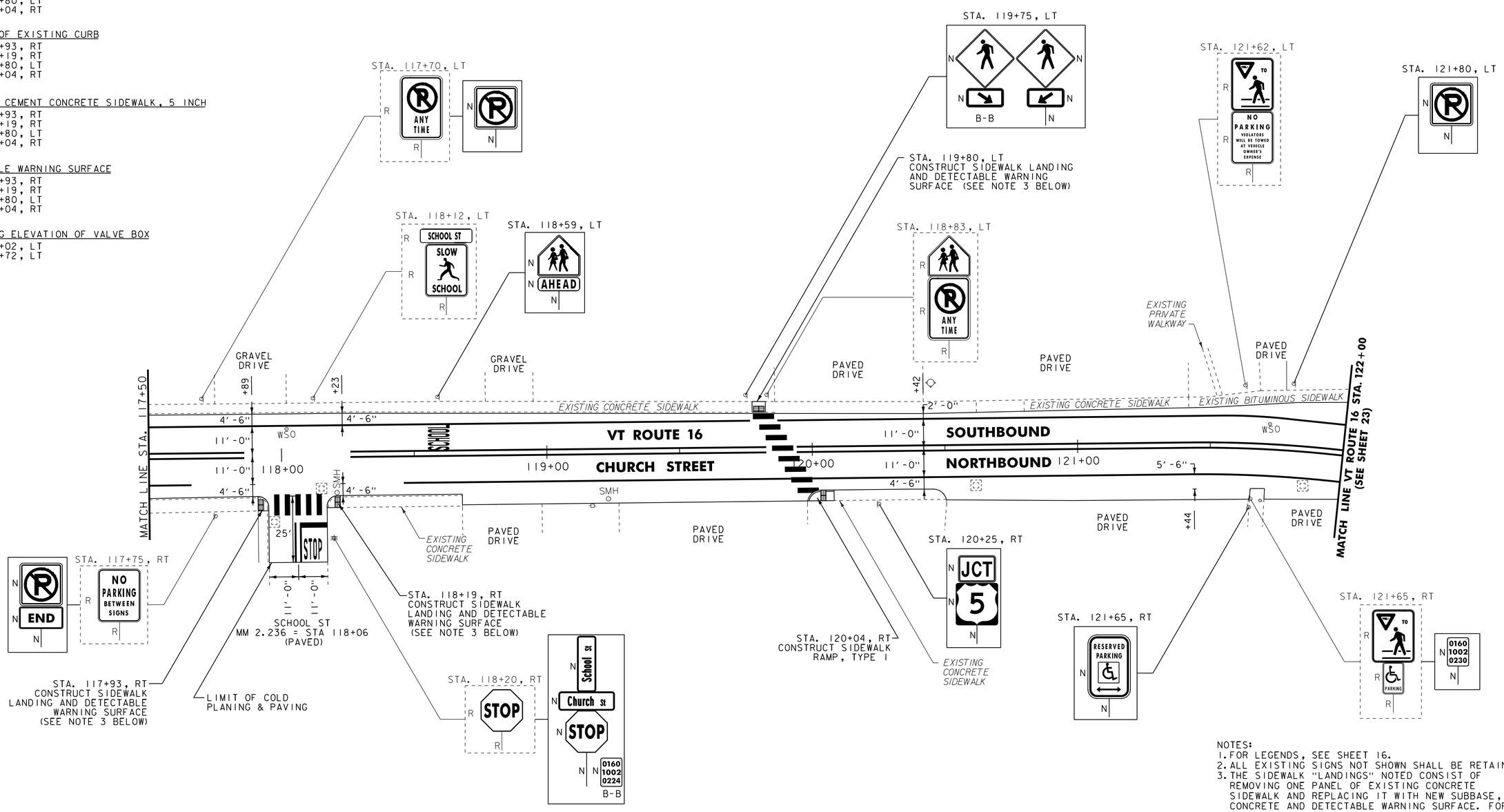
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 117+50 TO 122+00, SOLID LT & RT
STA. 118+06, DOUBLE SOLID RT (SCHOOL ST)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 118+06, RT (SCHOOL ST)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 118+06, RT "STOP" (SCHOOL ST)
STA. 118+59, LT "SCHOOL"

TEMPORARY CROSSWALK MARKING, PAINT
STA. 117+97 TO 118+15, RT
STA. 119+89, LT - RT

REMOVING SIGNS
AS SHOWN - 11



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVING ONE PANEL OF EXISTING CONCRETE SIDEWALK AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE. FOR PAY ITEMS, SEE SHEETS 7-10.
4. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #16

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192116.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 32 OF 75

REHAB, Dis, CBs OR MHs, CLASS I OR II
STA. 9+43, LT
STA. 10+63, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 8+69.0 TO 9+00.0, RT
(CONNECT TO EXISTING SB GUARDRAIL)

ANCHOR FOR STEEL BEAM RAIL
STA. 9+00.0, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 8+69 TO 8+80, RT

ADJUST ELEVATION OF VALVE BOX
STA. 10+38, LT
STA. 10+79, RT
STA. 10+82, RT
STA. 10+83, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 8+07.84 TO 11+50, SOLID LT & RT
STA. 9+13, SOLID RT (EDGELINES, RAILROAD AVE)
STA. 9+66 TO 10+29, SOLID LT (DIAGONALS)
STA. 10+01, SOLID LT (EDGELINES, IRASBURG ST)
STA. 10+01, SOLID LT (EDGELINES, IRASBURG ST)
STA. 10+81, SOLID RT (EDGELINES, PARKSIDE AVE)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 8+07.84 TO 11+50, SOLID LT & RT
STA. 9+13, DOUBLE SOLID RT (RAILROAD AVE)
STA. 10+01, DOUBLE SOLID LT (IRASBURG ST)
STA. 10+01, DOUBLE SOLID LT (IRASBURG ST)

DURABLE 24 INCH STOP BAR
STA. 9+13, RT (RAILROAD AVE)
STA. 10+01, LT (IRASBURG ST)
STA. 10+01, LT (IRASBURG ST)
STA. 10+81, RT (PARKSIDE AVE)

DURABLE LETTER OR SYMBOL
STA. 9+13, RT "STOP" (RAILROAD AVE)
STA. 10+01, LT "STOP" (IRASBURG ST)
STA. 10+01, LT "STOP" (IRASBURG ST)
STA. 10+81, RT "STOP" (PARKSIDE AVE)

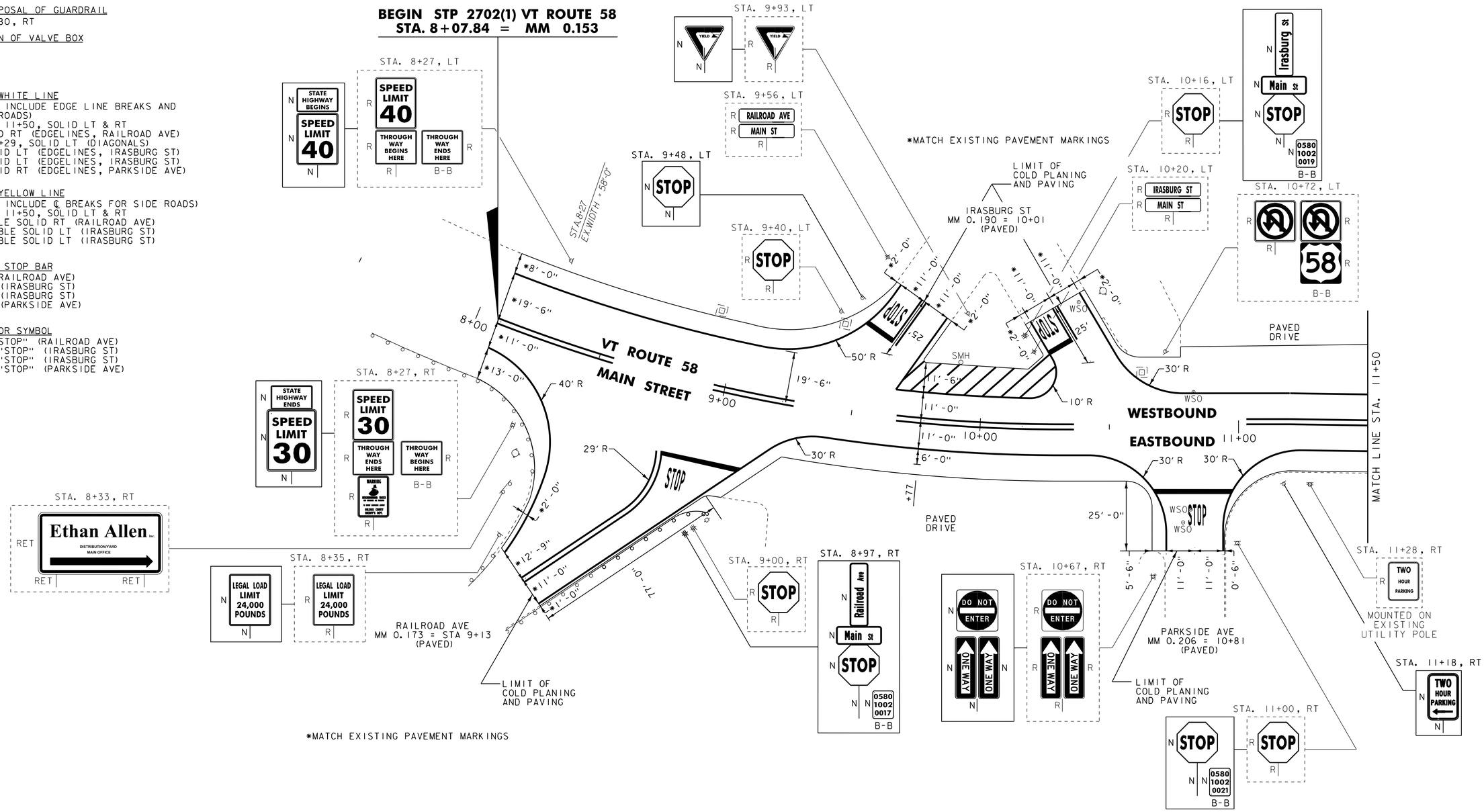
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 8+07.84 TO 11+50, SOLID LT & RT
STA. 9+13, SOLID RT (EDGELINES, RAILROAD AVE)
STA. 9+66 TO 10+29, SOLID LT (DIAGONALS)
STA. 10+01, SOLID LT (EDGELINES, IRASBURG ST)
STA. 10+01, SOLID LT (EDGELINES, IRASBURG ST)
STA. 10+81, SOLID RT (EDGELINES, PARKSIDE AVE)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 8+07.84 TO 11+50, SOLID LT & RT
STA. 9+13, DOUBLE SOLID RT (RAILROAD AVE)
STA. 10+01, DOUBLE SOLID LT (IRASBURG ST)
STA. 10+01, DOUBLE SOLID LT (IRASBURG ST)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 9+13, RT (RAILROAD AVE)
STA. 10+01, LT (IRASBURG ST)
STA. 10+01, LT (IRASBURG ST)
STA. 10+81, RT (PARKSIDE AVE)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 9+13, RT "STOP" (RAILROAD AVE)
STA. 10+01, LT "STOP" (IRASBURG ST)
STA. 10+01, LT "STOP" (IRASBURG ST)
STA. 10+81, RT "STOP" (PARKSIDE AVE)

REMOVING SIGNS
AS SHOWN - 24



NOT TO SCALE

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

Stantec

PROJECT LAYOUT SHEET #17

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l17.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 33 OF 75

CHANGING ELEV. OF DI'S, CB'S OR MH'S
STA. 16+91, LT

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 11+57, LT 13+90 RT
STA. 12+01, LT
STA. 12+74, LT
STA. 13+32, LT
STA. 13+37, LT
STA. 13+72, LT
STA. 14+07, LT
STA. 14+78, LT
STA. 15+04, LT
STA. 15+05, RT
STA. 15+64, LT
STA. 16+20, LT
STA. 16+85, LT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 12+80, LT
STA. 17+00, LT

VERTICAL GRANITE CURB
STA. 17+37 TO 17+50, LT

REMOVING AND RESETTING CURB
STA. 12+86 TO 13+00, LT
STA. 13+89 TO 14+09, LT
STA. 14+66 TO 14+79, LT
STA. 15+06 TO 15+18, LT
STA. 16+76 TO 16+83, LT

REMOVAL OF EXISTING CURB
STA. 17+42, LT

ADJUST ELEVATION OF VALVE BOX
STA. 11+91, LT
STA. 14+94, LT
STA. 15+06, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 12+86 TO 13+00, LT
STA. 13+89 TO 14+05, LT
STA. 14+70 TO 14+79, LT
STA. 15+06 TO 15+16, LT
STA. 16+77 TO 16+91, LT
STA. 17+37 TO 17+50, LT

DETECTABLE WARNING SURFACE
STA. 12+87, LT
STA. 13+91, LT
STA. 14+77, LT
STA. 15+07, LT
STA. 16+84, LT
STA. 17+42, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 17+30 TO 17+60, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 17+38 TO 17+59, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 11+50 TO 17+50, SOLID LT
STA. 11+50 TO 13+34, SOLID RT
STA. 12+73, SOLID LT (EDGELINES, HARTWELL PLACE)
STA. 13+14 TO 13+34, SOLID RT (DIAGONALS)
STA. 13+96 TO 14+14, SOLID LT (DIAGONALS)
STA. 13+90 TO 14+04, SOLID RT (DIAGONALS)
STA. 13+90 TO 17+50, SOLID RT
STA. 14+25 TO 14+70, SOLID RT (PARKING SPACES)
STA. 14+94, SOLID LT (EDGELINES, SOUTH AVE)
STA. 15+72 TO 16+00, SOLID RT (PARKING SPACES)
STA. 17+10 TO 17+50, SOLID LT (DIAGONALS)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 11+50 TO 17+50, SOLID LT & RT
STA. 12+73, DOUBLE SOLID LT (HARTWELL PLACE)
STA. 14+94, DOUBLE SOLID LT (SOUTH AVE)

DURABLE 8 INCH WHITE LINE
STA. 11+76 TO 11+88, RT (HYDRANT)
STA. 14+71 TO 14+83, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
STA. 12+73, LT (HARTWELL PLACE)
STA. 14+94, LT (SOUTH AVE)
STA. 16+63, LT (NORTH AVE EXIT)

DURABLE LETTER OR SYMBOL
STA. 12+73, LT "STOP" (HARTWELL PLACE)
STA. 14+94, LT "STOP" (SOUTH AVE)
STA. 16+63, LT "STOP" (NORTH AVE EXIT)

DURABLE CROSSWALK MARKING
STA. 12+61 TO 12+86, LT
STA. 13+80, LT - RT
STA. 14+79 TO 15+06, LT
STA. 16+82 TO 17+39, LT

DURABLE RAILROAD CROSSING SYMBOL
STA. 12+00, RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 11+50 TO 17+50, SOLID LT
STA. 11+50 TO 13+34, SOLID RT
STA. 12+73, SOLID LT (EDGELINES, HARTWELL PLACE)
STA. 13+14 TO 13+34, SOLID RT (DIAGONALS)
STA. 13+96 TO 14+14, SOLID LT (DIAGONALS)
STA. 13+90 TO 14+04, SOLID RT (DIAGONALS)
STA. 13+90 TO 17+50, SOLID RT
STA. 14+25 TO 14+70, SOLID RT (PARKING SPACES)
STA. 14+94, SOLID LT (EDGELINES, SOUTH AVE)
STA. 15+72 TO 16+00, SOLID RT (PARKING SPACES)
STA. 17+10 TO 17+50, SOLID LT (DIAGONALS)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 11+50 TO 17+50, SOLID LT & RT
STA. 12+73, DOUBLE SOLID LT (HARTWELL PLACE)
STA. 14+94, DOUBLE SOLID LT (SOUTH AVE)

TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 11+76 TO 11+88, RT (HYDRANT)
STA. 14+71 TO 14+83, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

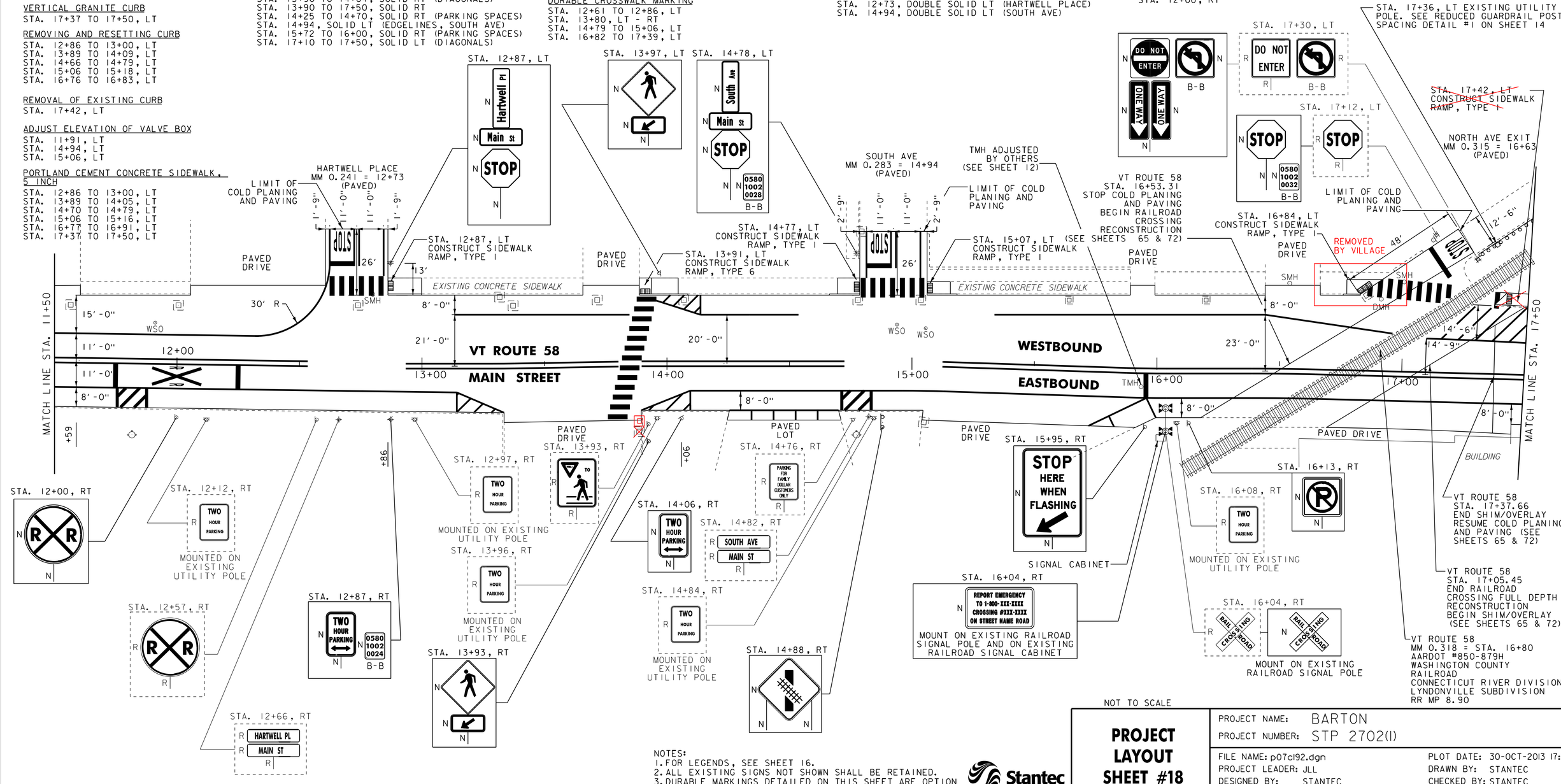
TEMPORARY 24 INCH STOP BAR, PAINT
STA. 12+73, LT (HARTWELL PLACE)
STA. 14+94, LT (SOUTH AVE)
STA. 16+63, LT (NORTH AVE EXIT)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 12+73, LT "STOP" (HARTWELL PLACE)
STA. 14+94, LT "STOP" (SOUTH AVE)
STA. 16+63, LT "STOP" (NORTH AVE EXIT)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 12+61 TO 12+86, LT
STA. 13+80, LT & RT
STA. 14+79 TO 15+06, LT
STA. 16+82 TO 17+39, LT

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT
STA. 12+00, RT

REMOVING SIGNS
AS SHOWN - 16



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

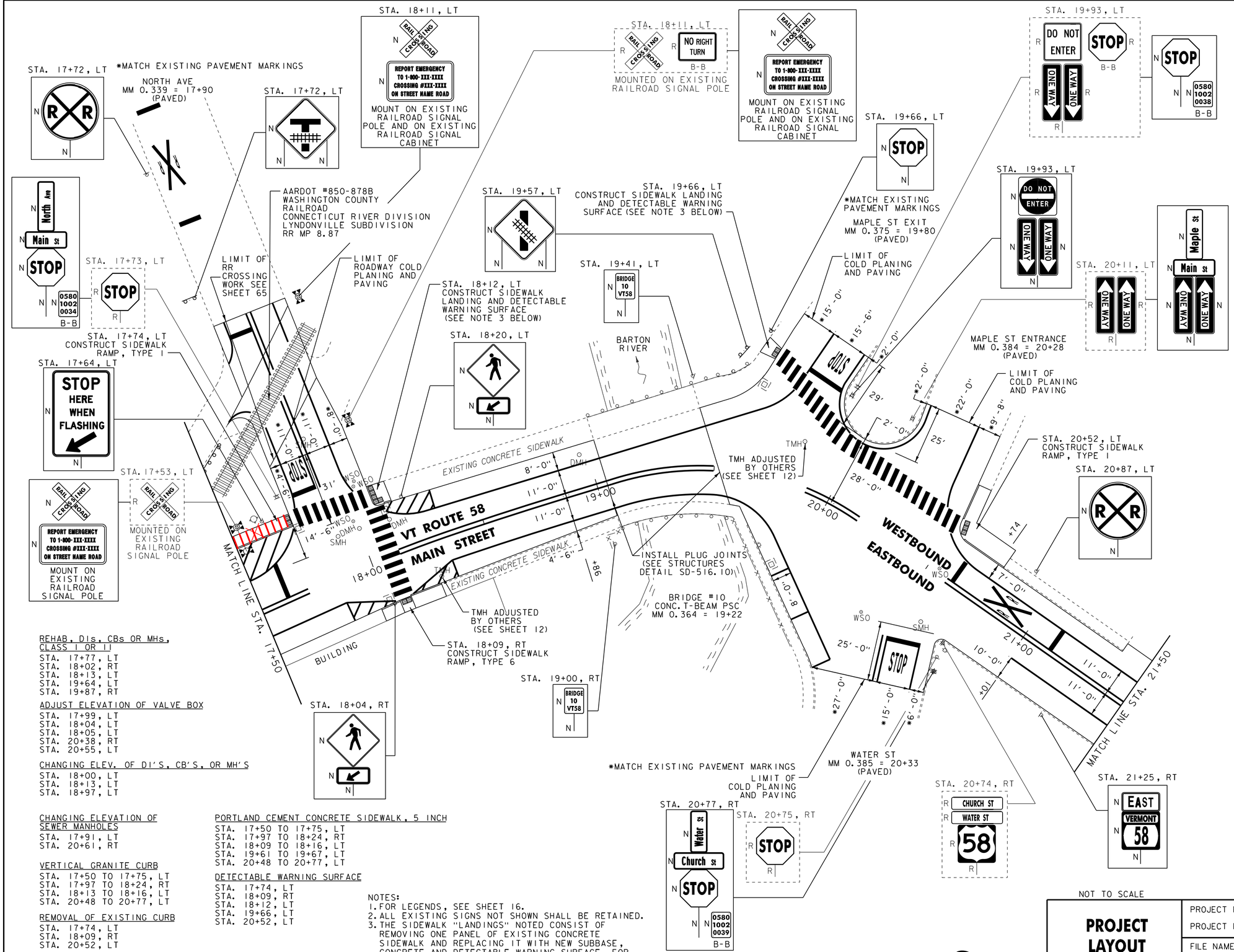
Stantec

PROJECT LAYOUT SHEET #18

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l18.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 34 OF 75



REHAB, Dis, CBs OR MHs, CLASS I OR II
STA. 17+77, LT
STA. 18+02, RT
STA. 18+13, LT
STA. 19+64, LT
STA. 19+87, RT

ADJUST ELEVATION OF VALVE BOX
STA. 17+99, LT
STA. 18+04, LT
STA. 18+05, LT
STA. 20+38, RT
STA. 20+55, LT

CHANGING ELEV. OF DI'S, CB'S, OR MH'S
STA. 18+00, LT
STA. 18+13, LT
STA. 18+97, LT

CHANGING ELEVATION OF SEWER MANHOLES
STA. 17+91, LT
STA. 20+61, RT

VERTICAL GRANITE CURB
STA. 17+50 TO 17+75, LT
STA. 17+97 TO 18+24, RT
STA. 18+13 TO 18+16, LT
STA. 20+48 TO 20+77, LT

REMOVAL OF EXISTING CURB
STA. 17+74, LT
STA. 18+09, RT
STA. 20+52, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 17+50 TO 17+75, LT
STA. 17+97 TO 18+24, RT
STA. 18+09 TO 18+16, LT
STA. 19+61 TO 19+67, LT
STA. 20+48 TO 20+77, LT

DETECTABLE WARNING SURFACE
STA. 17+74, LT
STA. 18+09, RT
STA. 18+12, LT
STA. 19+66, LT
STA. 20+52, LT

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVING ONE PANEL OF EXISTING CONCRETE SIDEWALK AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE. FOR PAY ITEMS, SEE SHEETS 7-10.
4. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 17+50 TO 17+70, SOLID LT (DIAGONALS)
STA. 17+50 TO 21+50, SOLID LT & RT
STA. 17+84 TO 18+04, SOLID RT (DIAGONALS)
STA. 17+90, SOLID LT (EDGELINES, NORTH AVE)
STA. 18+12 TO 18+32, SOLID RT (DIAGONALS)
STA. 18+13 TO 18+33, LT (DIAGONALS)
STA. 19+80, SOLID LT (EDGELINES, MAPLE ST EXIT)
STA. 19+91 TO 20+39, SOLID RT (PARKING SPACES)
STA. 20+28, SOLID LT (EDGELINES, MAPLE ST ENTRANCE)
STA. 20+33, SOLID RT (EDGELINES, WATER ST)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 17+50 TO 21+50, SOLID LT & RT
STA. 17+90, DOUBLE SOLID LT (NORTH AVE)
STA. 19+80, DOUBLE SOLID LT (MAPLE ST EXIT)
STA. 20+28, DOUBLE SOLID LT (MAPLE ST ENTRANCE)
STA. 20+33, DOUBLE SOLID RT (WATER ST)

DURABLE 24 INCH STOP BAR
STA. 17+90, LT (NORTH AVE)
STA. 19+80, LT (MAPLE ST EXIT)
STA. 20+33, RT (WATER ST)

DURABLE LETTER OR SYMBOL
STA. 17+90, LT "STOP" (NORTH AVE)
STA. 19+80, LT "STOP" (MAPLE ST EXIT)
STA. 20+33, RT "STOP" (WATER ST)

DURABLE CROSSWALK MARKING
STA. ~~17+75~~ TO 18+09, LT 17+50
STA. 18+09, LT & RT
STA. 19+66 TO 20+52, LT

DURABLE RAILROAD CROSSING SYMBOL
STA. 17+90, LT (NORTH AVE)
STA. 20+87, LT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 17+50 TO 17+70, SOLID LT (DIAGONALS)
STA. 17+50 TO 21+50, SOLID LT & RT
STA. 17+84 TO 18+04, SOLID RT (DIAGONALS)
STA. 17+90, SOLID LT (EDGELINES, NORTH AVE)
STA. 18+12 TO 18+32, SOLID RT (DIAGONALS)
STA. 18+13 TO 18+33, LT (DIAGONALS)
STA. 19+80, SOLID LT (EDGELINES, MAPLE ST EXIT)
STA. 19+91 TO 20+39, SOLID RT (PARKING SPACES)
STA. 20+28, SOLID LT (EDGELINES, MAPLE ST ENTRANCE)
STA. 20+33, SOLID RT (EDGELINES, WATER ST)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 17+50 TO 21+50, SOLID LT & RT
STA. 17+90, DOUBLE SOLID LT (NORTH AVE)
STA. 19+80, DOUBLE SOLID LT (MAPLE ST EXIT)
STA. 20+28, DOUBLE SOLID LT (MAPLE ST ENTRANCE)
STA. 20+33, DOUBLE SOLID RT (WATER ST)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 17+90, LT (NORTH AVE)
STA. 19+80, LT (MAPLE ST EXIT)
STA. 20+33, RT (WATER ST)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 17+90, LT "STOP" (NORTH AVE)
STA. 19+80, LT "STOP" (MAPLE ST EXIT)
STA. 20+33, RT "STOP" (WATER ST)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 17+75 TO 18+09, LT
STA. 18+09, LT & RT
STA. 19+66 TO 20+52, LT

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT
STA. 17+90, LT (NORTH AVE)
STA. 20+87, LT

REMOVING SIGNS
AS SHOWN - 14

NOT TO SCALE

PROJECT LAYOUT SHEET #19

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l19.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 35 OF 75

Stantec

REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 25+16, RT

CHANGE ELEVATON OF SEWER MANHOLES
STA. 25+30, LT

VERTICAL GRANITE CURB
STA. 25+03 TO 25+15, LT

REMOVAL OF EXISTING CURB
STA. 25+17, LT

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
STA. 25+01 TO 25+20, LT

DETECTABLE WARNING SURFACE
STA. 25+17, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 25+79 TO 27+50, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 25+79, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 25+88 TO 27+50, LT

ADJUST ELEVATION OF VALVE BOX
STA. 22+53, LT
STA. 24+25, RT
STA. 25+34, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT
STA. 25+24, SOLID RT (LIBERTY ST)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT
STA. 25+24, DOUBLE SOLID RT (LIBERTY ST)

DURABLE 8 INCH WHITE LINE
STA. 22+53 TO 22+65, LT (HYDRANT)
STA. 24+18 TO 24+30, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

DURABLE 24 INCH STOP BAR
STA. 25+24, RT (LIBERTY ST)

DURABLE LETTER OR SYMBOL
STA. 25+24, RT "STOP" (LIBERTY ST)

DURABLE CROSSWALK MARKING
STA. 23+87, LT & RT
STA. 25+19, LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT
STA. 25+24, SOLID RT (LIBERTY ST)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 21+50 TO 27+50, SOLID LT & RT
STA. 25+24, DOUBLE SOLID RT (LIBERTY ST)

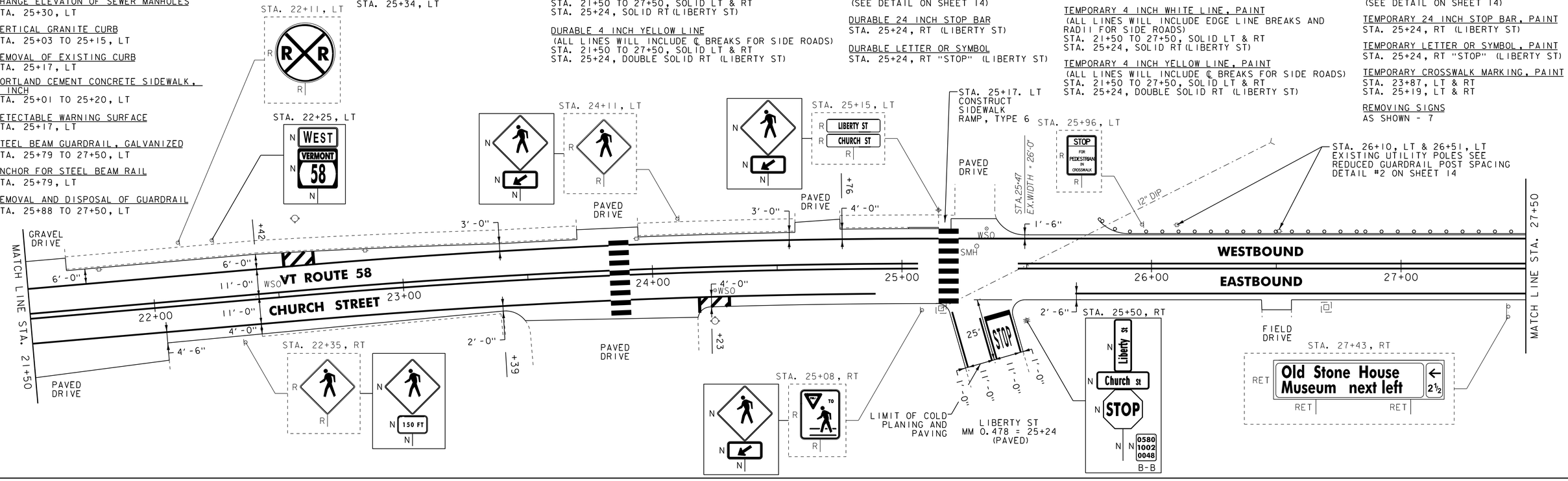
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 22+53 TO 22+65, LT (HYDRANT)
STA. 24+18 TO 24+30, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

TEMPORARY 24 INCH STOP BAR, PAINT
STA. 25+24, RT (LIBERTY ST)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 25+24, RT "STOP" (LIBERTY ST)

TEMPORARY CROSSWALK MARKING, PAINT
STA. 23+87, LT & RT
STA. 25+19, LT & RT

REMOVING SIGNS
AS SHOWN - 7



REHAB, DIs, CBs OR MHs, CLASS I OR II
STA. 30+50, RT

CHANGING ELEVATION OF SEWER MANHOLE
STA. 30+21, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 27+50.0 TO 32+47.0, LT

ANCHOR FOR STEEL BEAM RAIL
STA. 32+47.0, LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 27+50.0 TO 32+47.0, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 27+50 TO 32+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 27+50 TO 32+50, SOLID LT & RT
STA. 29+33 TO 29+96, DOUBLE SOLID RT (EAST ST)

DURABLE 24 INCH STOP BAR
STA 29+96 TO 30+18, RT (EAST ST)

DURABLE LETTER OR SYMBOL
STA. 30+01, RT "STOP" (EAST ST)

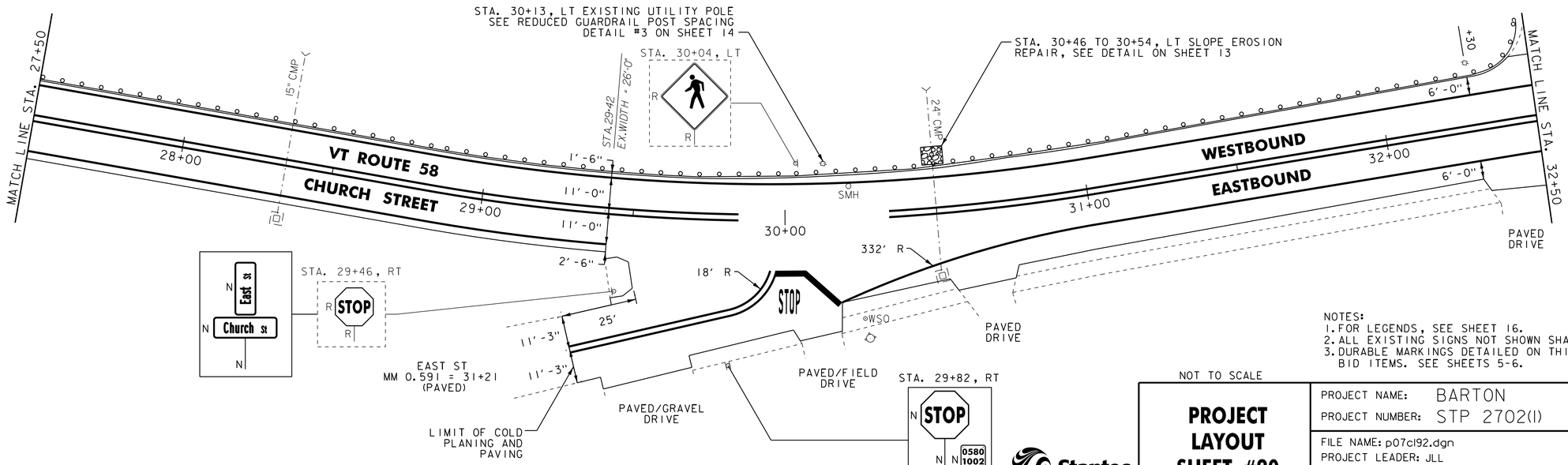
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 27+50 TO 32+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 27+50 TO 32+50, SOLID LT & RT
STA. 29+33 TO 29+96, DOUBLE SOLID RT (EAST ST)

TEMPORARY 24 INCH STOP BAR, PAINT
STA 29+96 TO 30+18, RT (EAST ST)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 30+01, RT "STOP" (EAST ST)

REMOVING SIGNS
AS SHOWN - 2



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

PROJECT LAYOUT SHEET #20

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192I20.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 36 OF 75

REHAB, Dis, CBs OR MHs, CLASS I OR II
STA. 34+03, RT
STA. 34+79, LT
STA. 35+96, RT
STA. 36+21, RT

CHANGING ELEVATION OF SEWER MANHOLE
STA. 33+03, LT
STA. 34+19, LT

BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS
STA. 35+52 TO 35+98, RT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 32+50 TO 37+50, SOLID LT & RT
STA. 33+95, SOLID LT (EDGELINES, EAST ST)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 32+50 TO 37+50, SOLID LT & RT
STA. 33+95, DOUBLE SOLID LT (EAST ST)

DURABLE 24 INCH STOP BAR
STA 33+95, LT (EAST ST)

DURABLE LETTER OR SYMBOL
STA. 33+95, LT "STOP" (EAST ST)

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 32+50 TO 37+50, SOLID LT & RT
STA. 33+95, SOLID LT (EDGELINES, EAST ST)

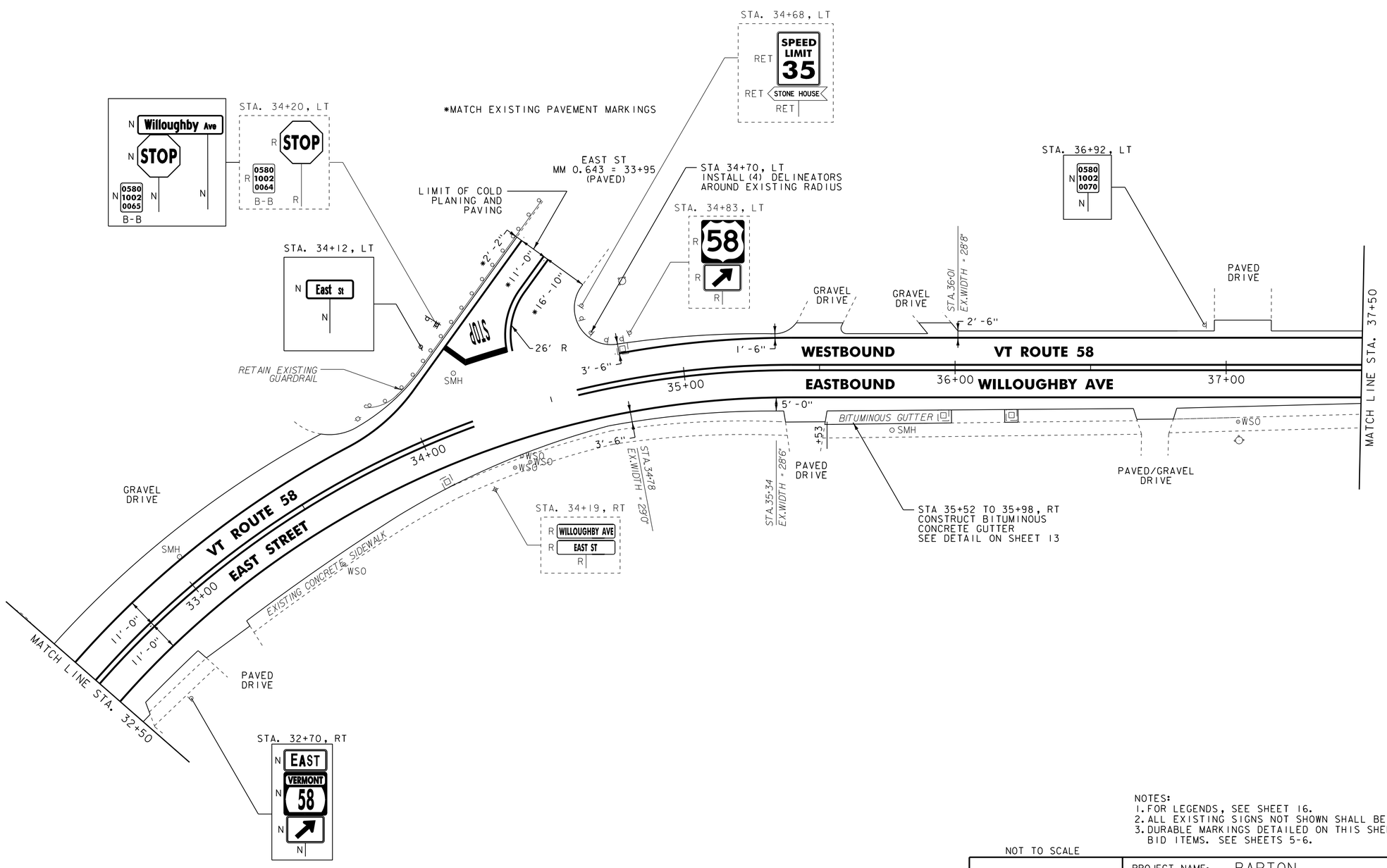
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 32+50 TO 37+50, SOLID LT & RT
STA. 33+95, DOUBLE SOLID LT (EAST ST)

TEMPORARY 24 INCH STOP BAR, PAINT
STA 33+95, LT (EAST ST)

TEMPORARY LETTER OR SYMBOL, PAINT
STA. 33+95, LT "STOP" (EAST ST)

REMOVING SIGNS
AS SHOWN - 6

DELINEATOR WITH STEEL POST
AS SHOWN - 4



NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #21

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192I21.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 37 OF 75

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 37+50 TO 39+75.84, SOLID LT & RT

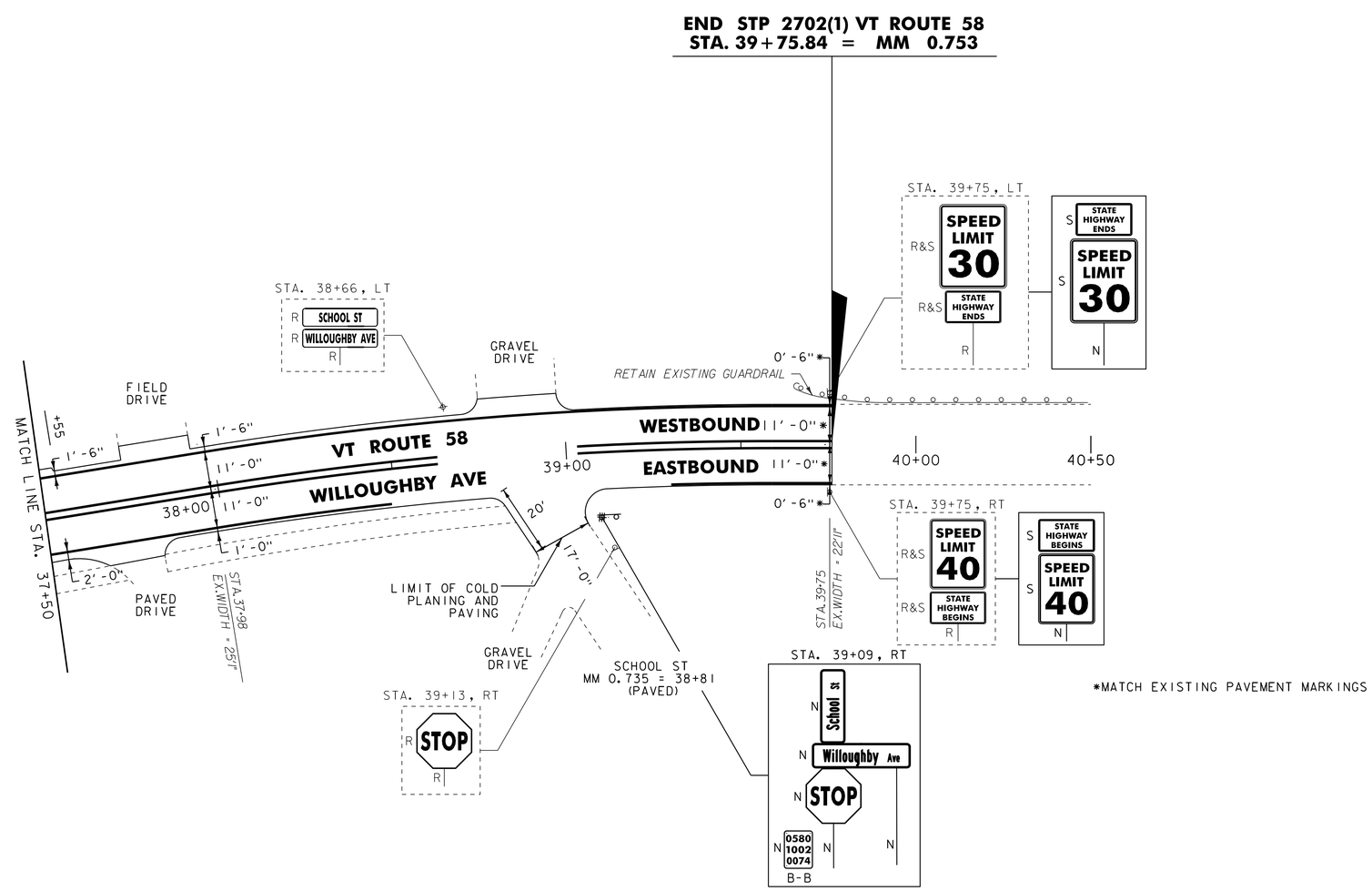
DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 37+50 TO 39+75.84, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 37+50 TO 39+75.84, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE ℄ BREAKS FOR SIDE ROADS)
STA. 37+50 TO 39+75.84, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 7

ERECTING SALVAGED SIGNS
AS SHOWN - 4



*MATCH EXISTING PAVEMENT MARKINGS

NOTES:
1. FOR LEGENDS, SEE SHEET 16.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #22

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192l22.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 38 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 01

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	1.3	1.7	1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0	3.5	4.0	5.0	lb/ft 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON																																											
257+13, RT	0050 1002 0487	1	6	10	0.42				1																														VD-700 MOUNT ON EXISTING POST, BELOW EXISTING SPEED LIMIT SIGN			E-138
264+00, LT	0050 1002 0500	1	6	10	0.42						1				X			X																				VD-700			E-138
268+50, RT	SPEED LIMIT 30	1	24	30	5.00						1						X	X																				R2-1	X		
	0050 1002 0509	1	6	10	0.42																																	VD-700			E-138
272+37, LT	SPEED LIMIT 30	1	24	30	5.00						1						X	X																				R2-1	X		
274+00, LT	SOUTH 5	1	24	12	2.00						1						X	X																				M3-3	X		
		1	24	24	4.00																																	MI-4	X		
275+34, LT	Duck Pond Rd / Lake St / STOP	1	48	12	4.00						2						X	X																				D3-1		61	
		1	30	12	2.50																																	D3-1		61	
		1	30	30	6.25																																	RI-1			
	0050 1002 0521 B-B	1	6	10	0.42																																	VD-700			E-138
275+68, LT	LEGAL LOAD LIMIT 24,000 POUNDS / NO PARKING CORNER TO HERE	1	24	30	5.00						1						X	X																				VR-017			E-141
		1	12	18	1.50																																			64		
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		**TOTALS**	SF 36.93	SF	EA.	SF			FT	FT	FT	FT 8	FT 91	FT		EA	LB	LB	LB		LB	LB	LB	LB		EA.	LB		EA.	EA.	LB									
									FT			FT 99					LB		EA.	LB																				

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss01.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 39 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM ∅ (in) lb/ft 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	FOUND-ATION	TUBULAR STEEL ∅ (in) lb/ft 3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON (CONT.)																																				
275+87, LT	R	1	24	24	4.00						1					X		X																R8-3	X		
280+29, RT	BRIDGE 162 US5	1	6	8	0.33																												VD-701 MOUNT ON EXISTING POST UNDER EXISTING W10-3 WARNING SIGN USING NEW MOUNTING HARDWARE (INCIDENTAL TO SIGN)			E-134
280+95, RT	SPEED LIMIT 30	1	24	30	5.00						1					X		X																R2-1	X		
281+05, LT	SPEED LIMIT 30	1	24	30	5.00						1					X		X																R2-1	X		
	BRIDGE 162 US5	1	6	8	0.33																												VD-701			E-134
282+20, RT	JCT	1	21	15	2.19						1					X		X																M2-1	X		
	16	1	24	24	4.00																													M1-5			E-136C
282+74, LT	West St / Lake St / STOP B-B 0050 1002 0535	1	30	12	2.50						1							X	X															D3-1		61	
		1	30	12	2.50																													D3-1		61	
		1	30	30	6.25																													R1-1	X		
		1	6	10	0.42																													VD-700			E-138
282+90, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X			X															VR-017			E-141
283+03, RT	Orleans 5	1	72	12	6.00						2							X	X															DI-1a		63	
	Newport 15	1	72	12	6.00																													DI-1a USE SOIL BEARING SLIP BASES. PAID AS ITEM 900.620 SPECIAL PROVISION (SOIL BEARING SLIP BASE) (2½")		63	
	Crystal Lake 1	1	72	12	6.00																													DI-1a		63	
	Lake Willoughby 7	1	72	12	6.00																													DI-1a		63	
TOTALS		SF 61.52	SF	EA.	SF							FT	FT	FT	FT	FT 76	FT 45		EA	LB	LB	LB	EA	LB	LB	LB	LB	EA.	EA.	LB						
												FT			FT 121					LB			EA.	LB				EA.	EA.	LB						

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

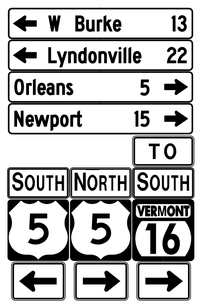
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 40 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 03

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD 1.3	1.7	1.7	TUBULAR STEEL Ø (in) lb/ft FOUND-ATION	3.0	3.5	4.0	5.0 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON (CONT.)																																									
283+98, RT		1	24	12	2.00	MOVED TO 285+56 RT					1													1	X									#2	M3-1 MI-4 M6-3 M3-2 MI-5 M6-1 FOR SIGN FRAME DETAIL SEE SHEET 62	X X X X X		E-136C
		1	24	24	4.00																																			
		1	21	15	2.19																																					
		1	24	12	2.00																																					
		1	24	24	4.00																																					
		1	21	15	2.19																																					
284+60, RT		1	30	30	6.25						1					X		X																					WII-2	X		
		1	24	12	2.00																																		WI6-7	X		
284+70, LT		1	36	12	3.00						1					X		X																					D3-1		61	
		1	30	12	2.50																																		D3-1		61	
		1	36 X 36 X 36		4.50																																		RI-2	X		
		1	6	10	0.42																																		VD-700			E-138
284+91, LT		1	30	30	6.25						1						X	X																					WII-2	X		
		1	24	12	2.00																																		WI6-7	X		
285+04, LT		1	72	12	6.00						2													2	X									#3	DI-1a DI-1a DI-1a DI-1a M3-3 MI-4 M6-1 M3-1 MI-4 M6-1 M4-5 (GREEN ON WHITE) M3-3 (GREEN ON WHITE) MI-5 M6-1 (GREEN ON WHITE) FOR SIGN FRAME DETAIL SEE SHEET 62		63 63 63 63	 E-136B E-136B E-136B E-136B
		1	72	12	6.00																																					
		1	72	12	6.00																																					
		1	72	12	6.00																																					
		1	24	12	2.00																																					
		1	24	24	4.00																																					
		1	21	15	2.19																																					
		1	24	12	2.00																																					
		1	24	12	2.00																																					
		1	24	24	4.00																																					
		1	21	15	2.19																																					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

TOTALS	SF	SF	EA.	SF		FT	FT	FT	FT	FT 30	FT 17		EA	LB	LB	LB		LB 320	LB	LB	LB		EA.	EA.	LB
	93.87					FT			FT 47					LB			EA. 3		LB 320				EA.	EA.	LB

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss03.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 41 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 04

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON (CONT.)																																				
285+38, RT	Eastern Ave / Main St / STOP / B-B 0050 1002 0540	1	42	12	3.50						1						X	X															D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
285+56, RT	TO / NORTH SOUTH EAST / 5 VERMONT 16 (16) / ↖ ↑ →	1	24	12	2.00						1						X	X															M3-1	X		
		1	24	24	4.00																												MI-4	X		
		1	24	12	2.00																											#2	M4-5 (GREEN ON WHITE)			E-136B
		1	24	12	2.00																												M3-3 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																												MI-5 FOR SIGN FRAME DETAIL SEE SHEET 62			E-136B
286+60, RT	SPEED LIMIT 30	1	24	30	5.00						1					X		X														R2-1	X		
286+65, LT	EAST SOUTH / 16 5	1	24	12	2.00						1												1	X							#2	M3-2	X		
		1	24	24	4.00																												MI-5			E-136C
		1	21	15	2.19																												M6-1	X		
		1	24	12	2.00																												M3-3 FOR SIGN FRAME DETAIL SEE SHEET 62	X		
		1	24	24	4.00																												MI-4	X		
		1	21	15	2.19																												M6-3	X		
287+60, RT	Orleans 5 / Newport 15	1	72	12	6.00						2					X		X														DI-1a		63	
		1	72	12	6.00																												DI-1a		63	
288+15, LT		1	36	36	9.00						2					X		X														WI0-3	X		
289+77, LT	JCT / 16	1	21	15	2.19						1					X		X														M2-1	X		
		1	24	24	4.00																												MI-5			E-136C
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT 91	FT 30		EA	LB	LB	LB		LB 84	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."	**TOTALS**		SF 75.24	SF	EA.	SF						FT			FT 121					LB			EA. 1	LB 84				EA.	EA.	LB						

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss04.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 42 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 05

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	FOUND-ATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	REMOVE SIGN FROM R.O.W. required	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON (CONT.)																																				
292+02, LT	School St / Main St / STOP / B-B 0050 1002 0553	1	36	12	3.00						1						X	X																D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
296+00, RT	JCT / VERMONT 16 / 0050 1002 0561	1	21	15	2.19						1					X		X															M2-1(GREEN ON WHITE)			E-136B
		1	24	24	4.00																												MI-5			E-136B
		1	6	10	0.42																												VD-700			E-138
297+62, RT		1	30	30	6.25						1					X		X															WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
297+85, LT		1	30	30	6.25						1					X		X															WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
298+33, LT	Village Sq / Main St / YIELD / B-B 0050 1002 0565	1	36	12	3.00						1					X		X															D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	36 X 36 X 36		4.50																												RI-2	X		
		1	6	10	0.42																												VD-700			E-138
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT 60	FT 15		EA	LB	LB	LB		LB	LB	LB	LB									
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."	**TOTALS**	SF 45.70	SF	EA.	SF		FT				FT 75				LB		EA.		LB				EA.	EA.	LB										

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss05.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 43 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 06

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON (CONT.)																																				
298+40, RT		1	24	12	2.00						1												1	X								#2	M3-3 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																												MI-5			E-136B
		1	21	15	2.19																												M6-1(GREEN ON WHITE)			E-136B
		1	24	12	2.00																												M3-1 FOR SIGN FRAME DETAIL SEE SHEET 62	X		
		1	24	24	4.00																												MI-4	X		
		1	21	15	2.19																												M6-3	X		
298+84, RT		1	42	12	3.50						1						X	X															D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
301+60, RT		1	36	12	3.00						1						X	X															D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
301+90, RT		1	24	12	2.00						1					X		X															M3-1	X		
		1	24	24	4.00																												MI-4	X		
302+40, RT		1	6	8	0.33						1				X			X															VD-701			E-134
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT 8	FT 15	FT 30		EA	LB	LB	LB		LB 84	LB	LB	LB								
TOTALS		SF 47.55	SF	EA.	SF							FT			FT 53					LB			EA. 1	LB 84				EA.	EA.	LB					

Stantec

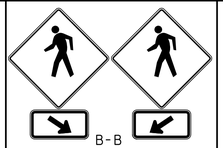
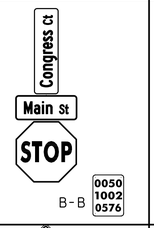
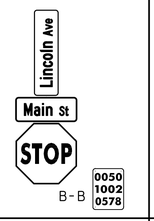
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss06.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 44 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 07

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
U.S. ROUTE 5 BARTON (CONT.)																																				
303+25, LT		1	24	12	2.00						1												1	X							#3	M3-3	X		
		1	24	24	4.00																												MI-4	X		
		1	24	12	2.00																												M4-5	X		
		1	24	24	4.00																												MI-5 FOR SIGN FRAME DETAIL SEE SHEET 62			E-136C
		1	21	15	2.19																												M6-3	X		
		1	24	12	2.00																												M3-3 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																												MI-5			E-136B
		1	21	15	2.19																												M5-1(GREEN ON WHITE)			E-136B
303+95, LT		2	30	30	12.50						1					X		X															WII-2	X		
		2	24	12	4.00																												WI6-7P	X		
303+95, LT		1	42	12	3.50						1						X															D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
304+29, LT		1	30	30	6.25						1					X		X															WI4-2	X		
305+40, RT		1	42	12	3.50						1						X															D3-1		61	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."	**TOTALS**	SF 70.47	SF	EA.	SF		FT	FT	FT	FT	FT 30	FT 30		EA	LB	LB	LB	EA. 1	LB 107	LB	LB	LB	EA.	EA.	LB

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss07.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 45 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 08

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												1.88	2.42	3.35					1.3	1.7	1.7		7.6	9.0	10.8	14.6									
U.S. ROUTE 5 BARTON (CONT.)																																				
306+41, RT	Davis Ct / Main St / STOP / B-B 0050 1002 0580	1	30	12	2.50						1						X	X														D3-1		61	
		1	30	12	2.50																											D3-1		61	
		1	30	30	6.25																											RI-1	X		
		1	6	10	0.42																											VD-700			E-138
306+75, LT	JCT / VERMONT 16	1	21	15	2.19						1					X		X														M2-1 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																											MI-5			E-136B
307+39, RT	NO OUTLET	1	30	30	6.25						1					X		X														WI4-2	X		
307+51, RT	Washington St / Main St / STOP / B-B 0050 1002 0582	1	48	12	4.00						2					X		X														D3-1		61	
		1	30	12	2.50																											D3-1		61	
		1	30	30	6.25																											RI-1	X		
		1	6	10	0.42																											VD-700			E-138
309+06, RT	SPEED LIMIT 30	1	24	30	5.00						1					X		X														R2-1	X		
311+52, RT	0050 1002 0590	1	6	10	0.42						1				X			X														VD-700			E-138
315+90, LT	0050 1002 0598	1	6	10	0.42				1																							VD-700 MOUNT ON EXISTING POST, BELOW EXISTING SPEED LIMIT SIGN			E-138
												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB									
															8	76	15																			
TOTALS		SF	SF	EA.	SF							FT			FT					LB			EA.	LB				EA.	EA.	LB						
		43.12													99																					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss08.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 46 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 09

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REMOVAL REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 16 BARTON																																				
92+22, LT	Roaring Brook Rd / Glover Rd / STOP; 0160 1002 0175 B-B	1	60	12	5.00						2						X	X															D3-1		62	
		1	36	12	3.00																												D3-1		61	
		1					1																													
		1					1																													
92+47, LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X														VR-017			E-141
106+95, RT	SPEED LIMIT 30	1	24	30	5.00						1					X		X														R2-1	X		
112+03, RT	BRIDGE 20 VT16	1	6	8	0.33						1				X			X														VD-701			E-134
112+44, LT	SPEED LIMIT 30	1	24	30	5.00						1					X		X														R2-1	X		
	BRIDGE 20 VT16	1	6	8	0.33																											VD-701			E-134
113+43, RT	AHEAD	1	36	36	9.00						1							X	X													SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	30	18	3.75																											WI6-9P (FLUORESCENT YELLOW-GREEN)	X		
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB		LB	LB	LB	LB								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."															8	47	51																		
TOTALS		SF	SF	EA.	SF							FT			FT					LB			EA.	LB				EA.	EA.	LB					
		36.41		2											106																				

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss09.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 47 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 10

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REMOVE REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 16 BARTON (CONT.)																				1.3	1.7	1.7		7.6	9.0	10.8	14.6									
114+52, LT	Elm St / Church St / STOP B-B 0160 1002 0217	1	30	12	2.50						1						X	X															D3-1		62	
		1	36	12	3.00																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
115+09, RT	Water St / Church St / STOP B-B 0160 1002 0218	1	36	12	3.00						1						X	X															D3-1		61	
		1	36	12	3.00																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
115+17, LT		1	36	36	9.00						1						X	X															SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	24	12	2.00																												W16-7P (FLUORESCENT YELLOW-GREEN)	X		
115+17, RT		1	36	36	9.00						1						X	X															SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	24	12	2.00																												W16-7P (FLUORESCENT YELLOW-GREEN)	X		
115+51, RT	R / BEGIN	1	24	24	4.00						1							X		X													R8-3	X		
		1	24	12	2.00																												M4-14 (RED ON WHITE)	X		
116+42, RT		1	36	36	9.00						1						X	X															SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	24	12	2.00																												W16-7P (FLUORESCENT YELLOW-GREEN)	X		
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT	FT 15	FT 77		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS					SF 63.84	SF	EA.	SF				FT			FT 92					LB			EA.	LB				EA.	EA.	LB						

Stantec

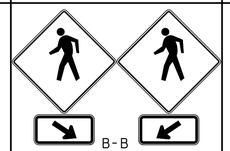
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss10.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 48 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 11

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REMOVED REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 16 BARTON (CONT.)												1.88	2.42	3.35					1.3	1.7	1.7		7.6	9.0	10.8	14.6									
116+65, LT		1	36	36	9.00						1						X	X															SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	24	12	2.00																												WI6-7P (FLUORESCENT YELLOW-GREEN)	X		
117+70, LT		1	24	24	4.00						1					X		X															R8-3	X		
117+75, RT		1	24	24	4.00						1					X		X															R8-3	X		
		1	24	12	2.00																												M4-6 (RED ON WHITE)	X		
118+20, RT	 B-B 0160 1002 0224	1	36	12	3.00																												D3-1		61	
		1	36	12	3.00																												D3-1		61	
		1	30	30	6.25						1						X	X															RI-1	X		
		1	6	10	0.42																												VD-700			E-138
118+59, LT		1	36	36	9.00						1						X	X															SI-1 (FLUORESCENT YELLOW-GREEN)	X		
		1	30	18	3.75																												WI6-7P (FLUORESCENT YELLOW-GREEN)	X		
119+75, LT	 B-B	1	30	30	6.25						1					X		X															WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
		1	30	30	6.25																												WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
120+25, RT		1	21	15	2.19						1					X		X															M2-1	X		
		1	24	24	4.00																												M1-4	X		
												FT	FT	FT	FT	FT 60	FT 46		EA	LB	LB	LB		LB	LB	LB	LB									
TOTALS		SF 69.11	SF	EA.	SF							FT			FT 106					LB			EA.	LB				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss11.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 49 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 12

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD 1.3	1.7	1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0 7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 16 BARTON (CONT.)																																									
121+65, RT	0160 1002 0230	1	6	10	0.42						1				X			X																				VD-700			E-138
121+65, RT	RESERVED PARKING	1	12	18	1.50						1					X		X																				R7-8	X		
121+80, LT	R	1	24	24	4.00						1					X		X																				R8-3	X		
122+41, RT	Orleans 5	1	72	12	6.00						2														2	X												DI-1a		63	
	Newport 15	1	72	12	6.00																																	DI-1a		63	
	Crystal Lake 1	1	72	12	6.00																																	DI-1a		63	
	Lake Willoughby 7	1	72	12	6.00																																	DI-1a		63	
	NORTH SOUTH TO	1	24	12	2.00																																	M3-1	X		
	5 5 16	1	24	24	4.00																																	MI-4	X		
		1	21	15	2.19																																	M6-2 FOR SIGN FRAME DETAIL SEE SHEET 62	X		
		1	24	12	2.00																																	M3-3	X		
		1	24	24	4.00																																	MI-4	X		
		1	21	15	2.19																																	M6-1	X		
		1	24	12	2.00																																	M4-5	X		
		1	24	24	4.00																																	MI-5			E-136C
		1	21	15	2.19																																	M6-1	X		
122+58, RT		1	30	30	6.25						1					X		X																				W11-2	X		
		1	24	12	2.00																																	W16-7P	X		
TOTALS		SF 62.74	SF	EA.	SF							FT	FT	FT	FT 8	FT 45	FT 53		EA	LB	LB	LB	EA. 2	LB 221	LB	LB	LB	EA.	EA.	LB									

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

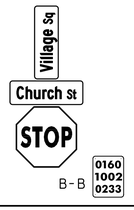
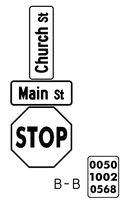
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss12.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 50 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 13

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	1.3	1.7	1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0	3.5	4.0	5.0	7.6	9.0	10.8	14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REMOVED REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 16 BARTON (CONT.)																																											
122+71, LT		1	30	30	6.25						1					X		X	1																						WII-2 SLEEVE TO BE INSTALLED IN EXISTING CONCRETE SIDEWALK PER E-164 TWO PIECE ANCHOR DETAIL	X		
		1	24	12	2.00																																		WI6-7P	X		
123+03, LT		1	12	18	1.50						1					X		X	1																						SLEEVE TO BE INSTALLED IN EXISTING CONCRETE SIDEWALK PER E-164 TWO PIECE ANCHOR DETAIL		64	
		1	12	6	0.50																																		R7-8P	X		
123+26, RT		1	36	12	3.00						1							X	X																						D3-1		61	
		1	36	12	3.00																																		D3-1		61	
		1	30	30	6.25																																		RI-1	X		
		1	6	10	0.42																																		VD-700			E-138
124+05, RT		1	36	12	3.00						1							X	X																						D3-1		61	
		1	30	12	2.50																																		D3-1		61	
		1	30	30	6.25																																		RI-1	X		
		1	6	10	0.42																																		VD-700			E-138
VT ROUTE 58 ORLEANS																																												
8+27, LT		1	24	18	3.00						1					X		X																						VR-039			E-141
		1	24	30	5.00																																		R2-1	X		
8+27, RT		1	24	18	3.00						1							X	X																						VR-038			E-141
		1	30	36	7.50																																		R2-1		64	
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT 45	FT 47		EA 2	LB	LB	LB		LB	LB	LB	LB															
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."	**TOTALS**	SF 53.59	SF	EA.	SF		FT			FT 92				LB	EA.	LB					EA.	EA.	LB																	

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss13.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 51 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 14

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
8+35, RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	24	30	5.00						1					X		X															VR-017			E-141
8+97, RT	Railroad Ave / Main St / STOP B-B 0580 1002 0017	1	42	12	3.50						1						X	X															D3-1		62	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
9+48, LT	STOP	1	30	30	6.25						1					X		X															RI-1	X		
9+93, LT	YIELD	1	36 X 36 X 36		4.50						1					X		X															RI-2	X		
10+16, LT	Irasburg St / Main St / STOP B-B 0580 1002 0019	1	42	12	3.50						1						X	X															D3-1		62	
		1	30	12	2.50																												D3-1		61	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
10+67, RT	DO NOT ENTER / ONE WAY / ONE WAY	1	30	30	6.25						1					X		X															R5-1	X		
		1	36	12	3.00																												R6-1	X		
		1	36	12	3.00																												R6-1 (BACK-TO-BACK)	X		
11+00, RT	STOP B-B 0580 1002 0021	1	30	30	6.25						1					X		X															RI-1	X		
		1	6	10	0.42																												VD-700			E-138
											FT	FT	FT	FT	FT 75	FT 33		EA	LB	LB	LB		LB	LB	LB	LB									
TOTALS					SF 60.01	SF	EA.	SF			FT			FT 108					LB			EA.	LB				EA.	EA.	LB						

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss14.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 52 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 15

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.42	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
11+18, RT	TWO HOUR PARKING ←	1	12	18	1.50						1					X		X																	64	
12+00, RT	R R	1	36	36	7.07						1					X		X																W10-1	X		
12+87, LT	Hartwell PI Main St STOP	1 1 1	42 30 30	12 12 30	3.50 2.50 6.25						1						X	X	1														D3-1 D3-1 R1-1	 X	62 61 	
12+87, RT	TWO HOUR PARKING ↔ B-B 0580 1002 0024	1 1	12 6	18 10	1.50 0.42						1					X		X														VD-700		64	E-138
13+93, RT	↙	1 1	30 24	30 12	6.25 2.00						1					X		X														W11-2 W16-7P	X X		
13+97, LT	↙	1 1	30 24	30 12	6.25 2.00						1					X		X														W11-2 W16-7P	X X		
14+06, RT	TWO HOUR PARKING ↔	1	12	18	1.50						1					X		X																64	
TOTALS					SF 40.74	SF	EA.	SF				FT	FT	FT	FT 106	FT 90	FT 16		EA 1	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

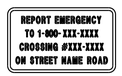
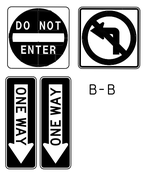
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss15.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 53 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 16

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	FOUNDATION	TUBULAR STEEL Ø (in) lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
14+78, LT	 B-B 0580 1002 0028	1 1 1 1	36 30 30 6	12 12 30 10	3.00 2.50 6.25 0.42						1						X		1														D3-1 D3-1 SLEEVE TO BE INSTALLED IN EXISTING CONCRETE SIDEWALK PER E-164 TWO PIECE ANCHOR DETAIL RI-1 VD-700	 X 	62 61 	 E-138
14+88, RT		1	36	36	9.00						2					X		X															WI0-12	X		
15+95, RT		1	24	36	5.00						1					X		X															R8-10	X		
16+04, RT	 	2 1	48 30	9 18	6.00 3.75																												RI5-1, MOUNT TO EXISTING RAILROAD SIGNAL POLES; OVERLAY THE ENTIRE BACK OF THE CROSSBUCK SIGNS WITH REFLECTIVE SHEETING. I-13a	X 	 64	
16+13, RT		1	24	24	4.00						1					X		X															R8-3	X		
17+12, LT	 B-B 0580 1002 0032	1 1	30 6	30 10	6.25 0.42						1					X		X															RI-1 VD-700	X 	 	 E-138
17+30, LT	 B-B	1 1 1 1	30 36 36 30	30 12 12 30	6.25 3.00 3.00 6.25						1					X		X															R5-1 R6-1 R6-1(BACK-TO-BACK) R3-2 (MOUNT BACK-TO-BACK WITH R5-1)	X X X X	 	
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."	**TOTALS**	SF 65.09	SF	EA.	SF		FT	FT	FT	FT	FT 91	FT 16		EA 1	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB									

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss16.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 54 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 17

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	REMOVE SIGN FRAME	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																					
17+53, LT		2	48	9	6.00																													RI5-1, MOUNT TO EXISTING RAILROAD SIGNAL POLES; OVERLAY THE ENTIRE BACK OF THE CROSSBUCK SIGNS WITH REFLECTIVE SHEETING.	X		
		1	30	18	3.75																													I-13a		64	
17+64, LT		1	24	36	5.00						1					X		X																R8-10	X		
17+72, LT		1	36	36	9.00						2					X		X																W10-11	X		
17+72, LT		1	36	36	7.07						1					X		X																W10-1	X		
17+73, LT	 B-B 0580 1002 0034	1	36	12	3.00						1							X	X															D3-1		62	
		1	30	12	2.50																													D3-1		61	
		1	30	30	6.25																													RI-1	X		
		1	6	10	0.42																													VD-700			E-138
18+04, RT		1	30	30	6.25						1					X		X	1															W11-2 SLEEVE TO BE INSTALLED DURING NEW CONCRETE SIDEWALK INSTALLATION PER E-164 TWO PIECE ANCHOR DETAIL	X		
		1	24	12	2.00																													W16-7P	X		
											FT	FT	FT		FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB										
																76	16		1																		
TOTALS		SF 51.24	SF	EA.	SF				FT		FT 92									LB			EA.	LB				EA.	EA.	LB						

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

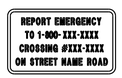
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss17.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 55 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 18

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUNDATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN ERECTION REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
18+11, LT		2	48	9	6.00																													RI5-1, MOUNT TO EXISTING RAILROAD SIGNAL POLES; OVERLAY THE ENTIRE BACK OF THE CROSSBUCK SIGNS WITH REFLECTIVE SHEETING.	X		
		1	30	18	3.75																													I-13a		64	
18+11, LT		2	48	9	6.00																													RI5-1, MOUNT TO EXISTING RAILROAD SIGNAL POLES; OVERLAY THE ENTIRE BACK OF THE CROSSBUCK SIGNS WITH REFLECTIVE SHEETING.	X		
		1	30	18	3.75																													I-13a		64	
18+20, LT		1	30	30	6.25						1					X		X	1															WII-2 SLEEVE TO BE INSTALLED IN EXISTING CONCRETE SIDEWALK PER E-164 TWO PIECE ANCHOR DETAIL	X		
		1	24	12	2.00																													WI6-7P	X		
19+00, RT		1	6	8	0.33						1					X		X																VD-701			E-134
19+41, LT		1	6	8	0.33						1					X		X																VD-701			E-134
19+57, LT		1	36	36	9.00						2					X		X																WI0-12	X		
19+66, LT		1	30	30	6.25						1					X		X																RI-1	X		
19+93, LT		1	30	30	6.25						1					X		X																R5-1	X		
		1	36	12	3.00																													R6-1	X		
		1	36	12	3.00																													R6-1 (BACK-TO-BACK)	X		
19+93, LT		1	30	30	6.25						1					X		X																RI-1	X		
		1	6	10	0.42																													VD-700			E-138
												FT	FT	FT	FT 16	FT 91	FT		EA 1	LB	LB	LB		LB	LB	LB	LB									
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."		**TOTALS**	SF 62.58	SF	EA.	SF			FT			FT 107							LB				EA.		LB				EA.	EA.	LB						

Stantec

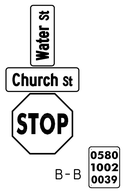
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss18.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 56 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 19

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75	2.0	2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	4.0	4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0	3.5	4.0	5.0	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
20+11, LT		1	36	12	3.00						1					X		X														D3-1		62	
		1	30	12	2.50																											D3-1		61	
		1	36	12	3.00																											R6-1	X		
		1	36	12	3.00																											R6-1 (BACK-TO-BACK)	X		
20+77, RT		1	36	12	3.00						1						X	X														D3-1		61	
		1	36	12	3.00																											D3-1		61	
		1	30	30	6.25																											R1-1	X		
		1	6	10	0.42																											VD-700			E-138
20+87, LT		1	36	36	7.07						1					X		X														WI0-1	X		
21+25, RT		1	24	12	2.00						1					X		X														M3-2 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																											MI-5			E-136B
22+25, LT		1	24	12	2.00						1					X		X														M3-4 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																											MI-5			E-136B
22+35, RT		1	30	30	6.25						1					X		X														WII-2	X		
		1	24	12	2.00																											WI6-2aP		64	
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT	FT 75	FT 16		EA	LB	LB	LB		LB	LB	LB	LB								
	TOTALS		SF 51.49	SF	EA.	SF						FT			FT 91					LB			EA.	LB				EA.	EA.	LB					

Stantec

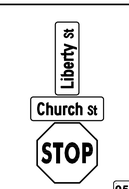
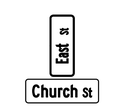
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss19.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 57 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 20

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	2.0 lb/ft 2.42	2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	4.0 lb/ft 1.7	4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	3.0 lb/ft 7.6	3.5 lb/ft 9.0	4.0 lb/ft 10.8	5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
24+11, LT		1	30	30	6.25						1					X		X															WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
25+08, RT		1	30	30	6.25						1					X		X															WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
25+15, LT		1	30	30	6.25						1					X		X															WII-2	X		
		1	24	12	2.00																												WI6-7P	X		
25+50, RT	 B-B 0580 1002 0048	1	36	12	3.00						1							X	X														D3-1		62	
		1	30	30	6.25																												RI-1	X		
		1	6	10	0.42																												VD-700			E-138
29+46, RT		1	30	12	2.50						1					X		X															D3-1		62	
		1	36	12	3.00																												D3-1		61	
29+82, RT	STOP B-B 0580 1002 0056	1	30	30	6.25						1					X		X															RI-1	X		
		1	6	10	0.42																												VD-700			E-138
32+70, RT		1	24	12	2.00						1					X		X															M3-2 (GREEN ON WHITE)			E-136B
		1	24	24	4.00																												MI-5			E-136B
		1	21	15	2.19																												M6-2 (GREEN ON WHITE)			E-136B
TOTALS		SF 57.78	SF	EA.	SF							FT	FT	FT	FT 90	FT	FT 16		EA	LB	LB	LB	EA.	LB	LB	LB	LB	EA.	EA.	LB						
																	106																			

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

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

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tss20.i

PLOT DATE: 30-OCT-2013 17
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 58 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 21

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.42	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUNDATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
VT ROUTE 58 ORLEANS (CONT.)																																				
34+12, LT	East St	1	30	12	2.50						1					X		X																D3-1		62	
34+20, LT	Willoughby Ave STOP B-B 0580 1002 0065	1 1 1	54 30 6	12 30 10	4.50 6.25 0.42						2					X		X															D3-1 R1-1 VD-700	X	62 	 E-138
36+92, LT	0580 1002 0070	1	6	10	0.42						1				X			X															VD-700			E-138
39+09, RT	School St Willoughby Ave STOP B-B 0580 1002 0074	1 1 1 1	36 54 30 6	12 12 30 10	3.00 4.50 6.25 0.42						2					X		X															D3-1 D3-1 R1-1 VD-700	X	61 62 	 E-138
39+75, LT	STATE HIGHWAY ENDS SPEED LIMIT 30						1 1				1						X	X																		
39+75, RT	STATE HIGHWAY BEGINS SPEED LIMIT 40						1 1				1					X		X																		
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."												FT	FT	FT	FT 8	FT 92	FT 16		EA	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 28.26	SF	EA. 4	SF				FT			FT 116					LB			EA.	LB				EA.	EA.	LB						

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c212tss21.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 59 OF 75

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 22

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) 1.75 lb/ft 1.88	SQUARE STEEL (in) 2.0 lb/ft 2.42	SQUARE STEEL (in) 2.5 lb/ft 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) 3.0 lb/ft 1.3	TUBULAR ALUMINUM Ø (in) 4.0 lb/ft 1.7	TUBULAR ALUMINUM Ø (in) 4.0 MOD lb/ft 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) 3.0 lb/ft 7.6	TUBULAR STEEL Ø (in) 3.5 lb/ft 9.0	TUBULAR STEEL Ø (in) 4.0 lb/ft 10.8	TUBULAR STEEL Ø (in) 5.0 lb/ft 14.6	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	REMOVE FROM SIGN	REMARKS	SIGN DETAIL DETAIL IN SHSM BOOK	SIGN DETAIL DETAIL ON SHEET NUMBER	SIGN DETAIL STD. SHEET NUMBER
	TSS SHEET 39 SUBTOTALS				36.93						8				91																				
	TSS SHEET 40 SUBTOTALS				61.52										76	45																			
	TSS SHEET 41 SUBTOTALS				93.87										30	17							3	320										
	TSS SHEET 42 SUBTOTALS				75.24										91	30							1	84										
	TSS SHEET 43 SUBTOTALS				45.70										60	15																		
	TSS SHEET 44 SUBTOTALS				47.55						8				15	30							1	84										
	TSS SHEET 45 SUBTOTALS				70.47										30	30							1	107										
	TSS SHEET 46 SUBTOTALS				43.12						8				76	15																		
	TSS SHEET 47 SUBTOTALS				36.41		2				8				47	51																		
	TSS SHEET 48 SUBTOTALS				63.84										15	77																		
	TSS SHEET 49 SUBTOTALS				69.11										60	46																		
	TSS SHEET 50 SUBTOTALS				62.74						8				45				2				2	221										
	TSS SHEET 51 SUBTOTALS				53.59										45	47			2															
	TSS SHEET 52 SUBTOTALS				60.01										75	33																		
	TSS SHEET 53 SUBTOTALS				40.74										90	16			1															
	TSS SHEET 54 SUBTOTALS				65.09										91	16			1															
	TSS SHEET 55 SUBTOTALS				51.24										76	16			1															
	TSS SHEET 56 SUBTOTALS				62.58						16				91				1															
	TSS SHEET 57 SUBTOTALS				51.49										75	16																		
	TSS SHEET 58 SUBTOTALS				57.78										90	16																		
	TSS SHEET 59 SUBTOTALS				28.26		4				8				92	16																		
	PROJECT SUBTOTALS				1177.28		6				64				1361	532			6				8	816										
	ROUNDING				2.72		-				6				9	8			1				-	4										
															FT 70	FT 1370	FT 540		EA 7	LB	LB	LB		LB 820	LB	LB	LB							
	TOTALS				SF 1180	SF	EA. 6	SF							FT 1980					LB			EA. 8	LB 820				EA.	EA.	LB					

"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS

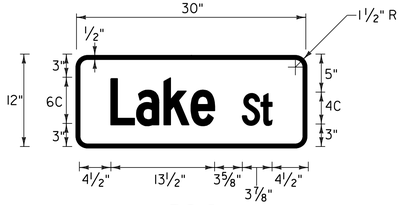
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c212tss22.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 60 OF 75

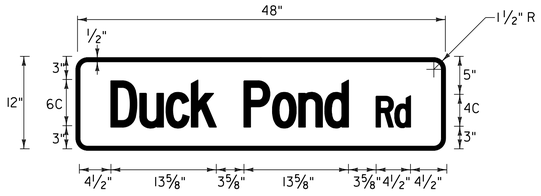


D3-1

LOCATION: U.S. ROUTE 5:
STA. 275+34, LT
STA. 282+74, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

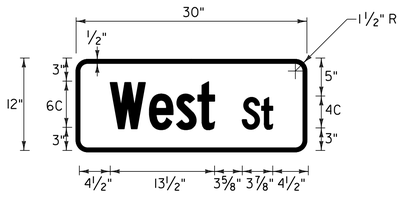


D3-1

LOCATION: U.S. ROUTE 5:
STA. 275+34, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

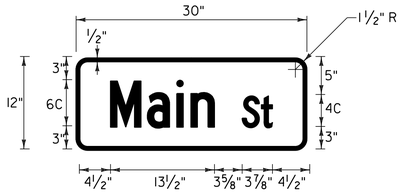


D3-1

LOCATION: U.S. ROUTE 5:
STA. 282+74, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

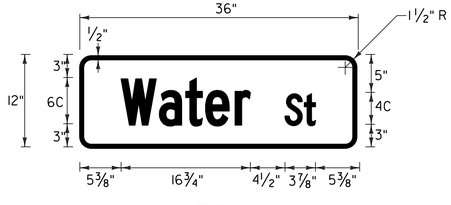
LOCATION: U.S. ROUTE 5:
STA. 284+70, LT
STA. 285+38, RT
STA. 292+02, LT
STA. 298+33, LT
STA. 298+84, RT
STA. 301+60, RT
STA. 303+95, LT
STA. 305+40, RT
STA. 306+41, RT
STA. 307+51, RT

VT ROUTE 16:
STA. 124+05, RT

VT ROUTE 58:
STA. 8+97, RT
STA. 10+16, LT
STA. 12+87, LT
STA. 14+78, LT
STA. 17+73, LT
STA. 20+11, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

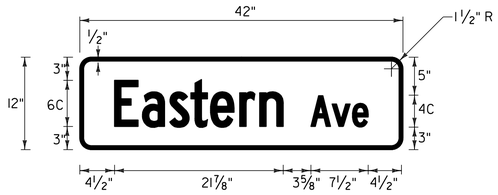
LOCATION: U.S. ROUTE 5:
STA. 284+70, LT

VT ROUTE 16:
STA. 115+09, RT

VT ROUTE 58:
STA. 20+77, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

LOCATION: U.S. ROUTE 5:
STA. 285+38, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

D3-1

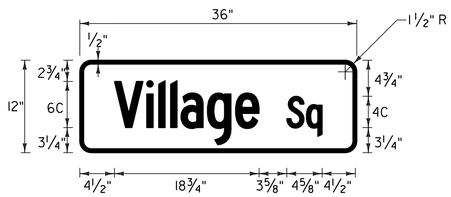
LOCATION: U.S. ROUTE 5:
STA. 292+02, LT

VT ROUTE 16:
STA. 118+20, RT

VT ROUTE 58:
STA. 39+09, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



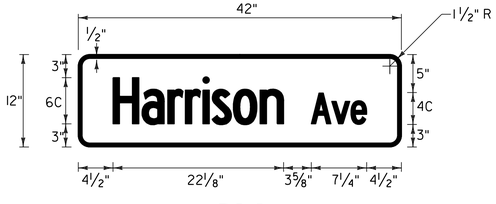
D3-1

LOCATION: U.S. ROUTE 5:
STA. 298+33, LT

VT ROUTE 16:
STA. 123+26, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

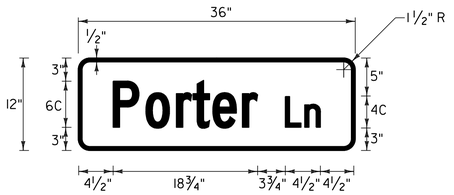


D3-1

LOCATION: U.S. ROUTE 5:
STA. 298+84, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

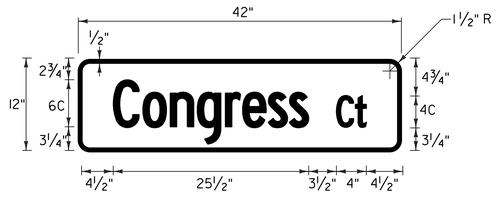


D3-1

LOCATION: U.S. ROUTE 5:
STA. 301+60, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

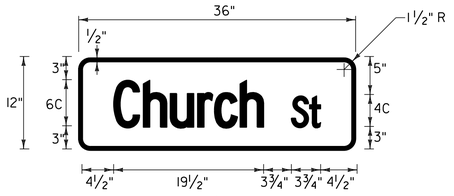


D3-1

LOCATION: U.S. ROUTE 5:
STA. 303+95, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



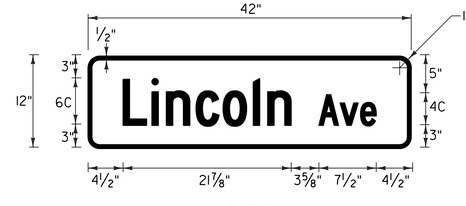
D3-1

LOCATION: VT ROUTE 16:
STA. 114+52, LT
STA. 115+09, RT
STA. 118+20, RT
STA. 123+26, RT
STA. 124+05, RT

VT ROUTE 58:
STA. 20+77, RT
STA. 25+50, RT
STA. 29+46, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

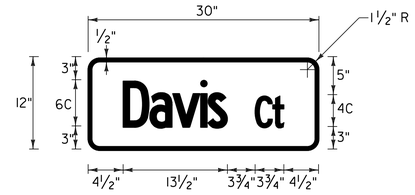


D3-1

LOCATION: U.S. ROUTE 5:
STA. 305+40, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

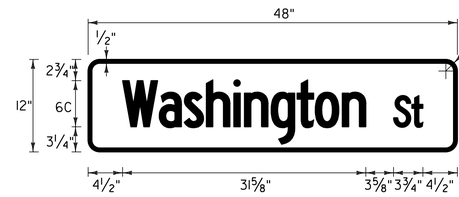


D3-1

LOCATION: U.S. ROUTE 5:
STA. 306+41, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

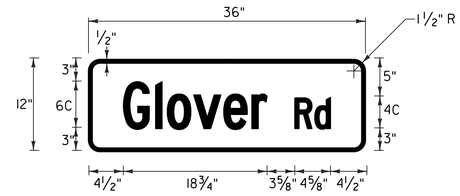


D3-1

LOCATION: U.S. ROUTE 5:
STA. 307+51, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

LOCATION: VT ROUTE 16:
STA. 92+22, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM PER 750.08
2. ALL STREET SIGNS ARE TWO-SIDED

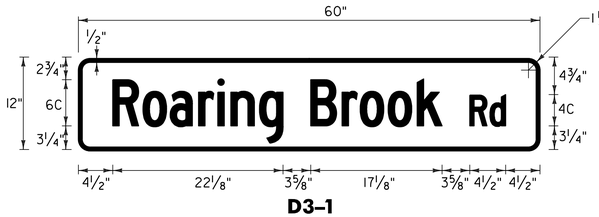
NOT TO SCALE

TRAFFIC SIGN DETAIL SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tsd01.i

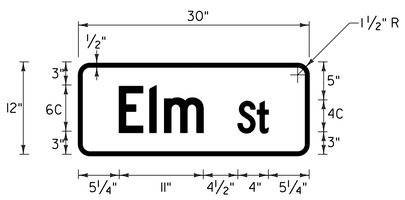
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 61 OF 75



D3–1

LOCATION: VT ROUTE 16:
STA. 92+22, LT

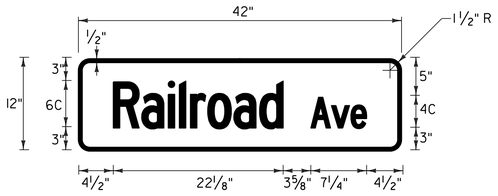
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 16:
STA. 114+52, LT

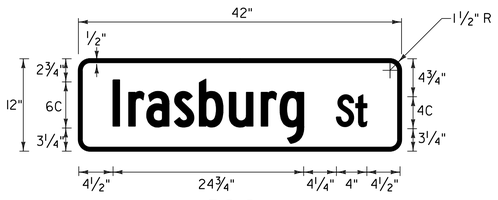
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 8+97, RT

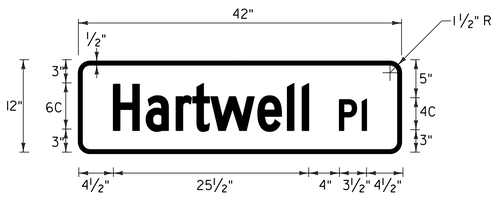
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 10+16, LT

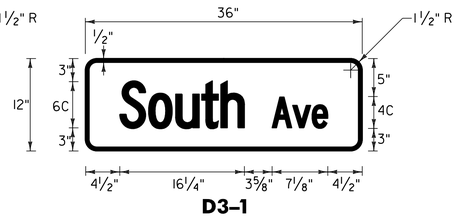
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 12+87, LT

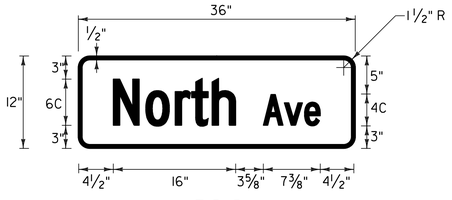
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 14+78, LT

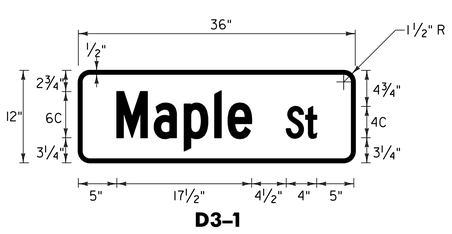
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 17+73, LT

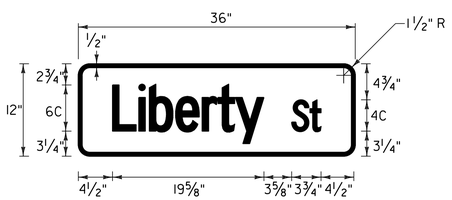
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 20+11, LT

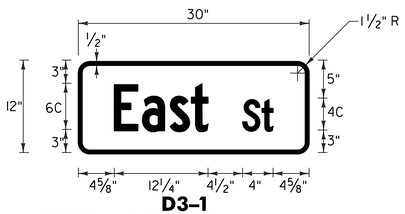
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 25+50, RT

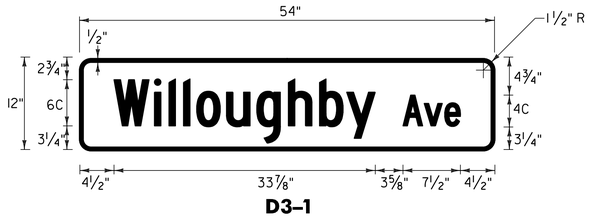
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3–1

LOCATION: VT ROUTE 58:
STA. 29+46, RT
STA. 34+12, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

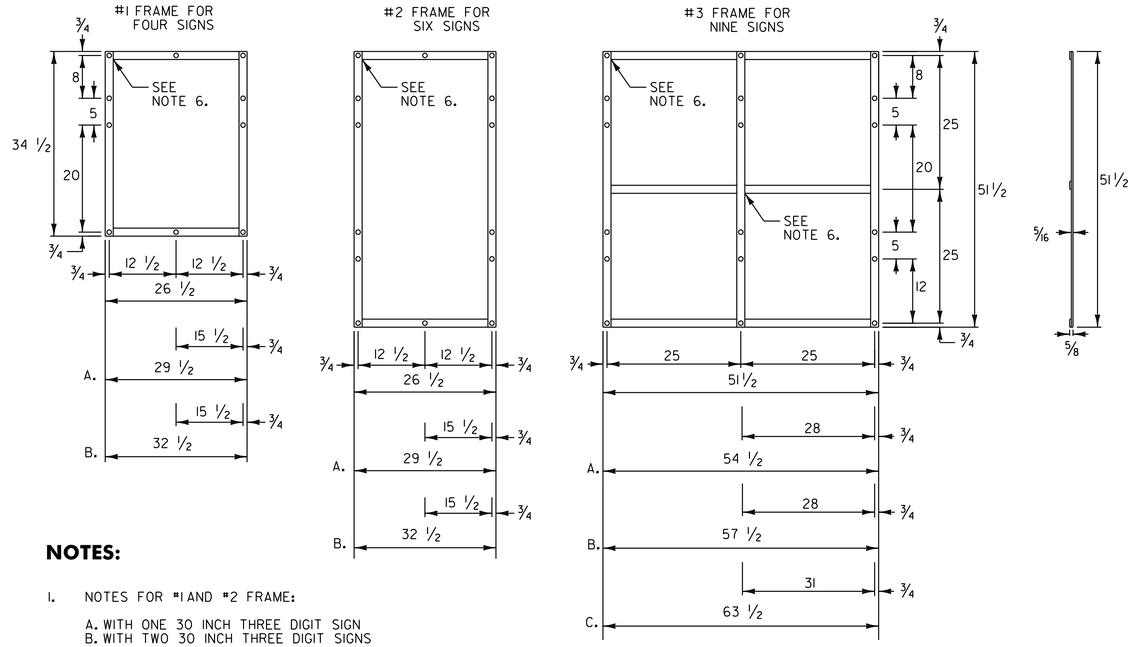


D3–1

LOCATION: VT ROUTE 58:
STA. 34+20, LT
STA. 39+09, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64

ROUTE MARKER ASSEMBLY FRAMES



NOTES:

1. NOTES FOR #1 AND #2 FRAME:

   A. WITH ONE 30 INCH THREE DIGIT SIGN
   B. WITH TWO 30 INCH THREE DIGIT SIGNS

2. NOTES FOR #3 FRAME:

   A. WITH ONE 30 INCH THREE DIGIT SIGN IN AN OUTSIDE POSITION.
   B. WITH ONE 30 INCH THREE DIGIT SIGN IN THE CENTER POSITION OR TWO SUCH SIGNS IN THE OUTSIDE POSITIONS.
   C. WITH THREE 30 INCH THREE DIGIT SIGNS.

3. ALL HOLES SHALL BE 7/16 INCH DIAMETER. FOR OTHER SIGN COMBINATIONS THAN ABOVE, THE FRAME DIMENSIONS AND HOLE SPACING SHALL BE MODIFIED AS NECESSARY. THE FRAME SHALL BE PAINTED WITH ONE COAT OF PRIMER AND A SECOND COAT OF BLACK PAINT. THE PAINT SHALL BE OF THE TYPE USED ON EXTERIOR METAL SURFACES TO PREVENT METAL CORROSION.

4. ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

5. FRAMES SHALL BE CONSTRUCTED OF 5/16 INCH x 1 1/2 INCH A-36 STEEL.

6. ALL OVERLAPPED CONNECTIONS SHALL BE WELDED WITH TWO 1/4 INCH WIDE FILLET WELDS, 1 1/2 INCHES LONG.

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM PER 750.08
2. ALL STREET SIGNS ARE TWO-SIDED

NOT TO SCALE

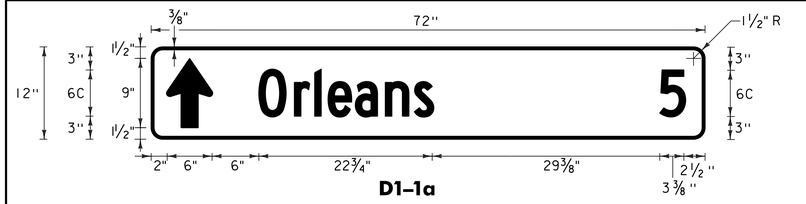
Stantec

TRAFFIC SIGN DETAIL SHEET #2

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tsd02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 62 OF 75

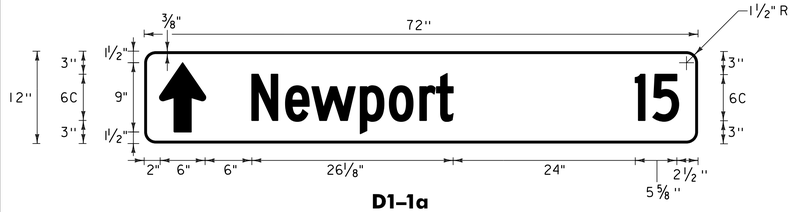


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 283+03, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

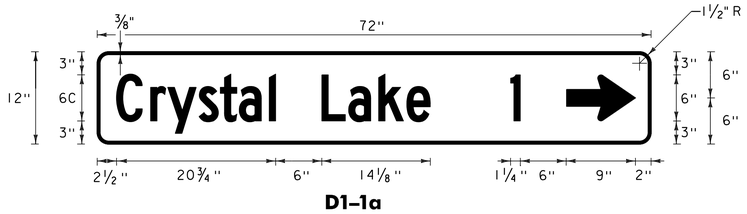


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 283+03, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

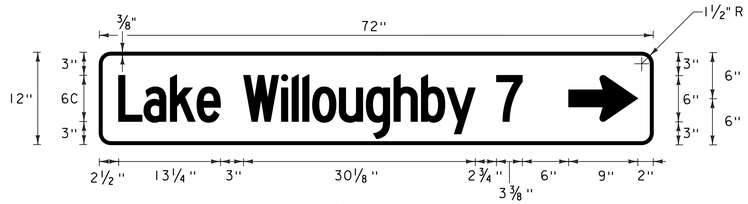


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 283+03, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

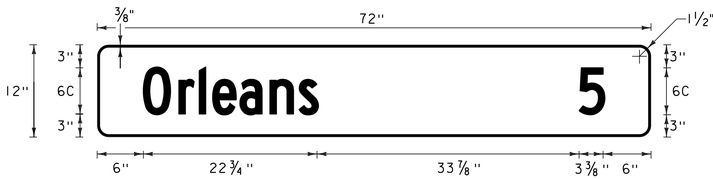


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 283+03, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

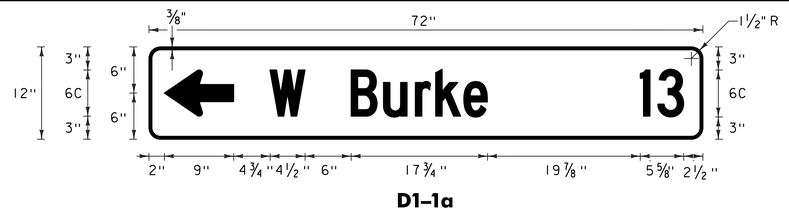


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 287+60, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

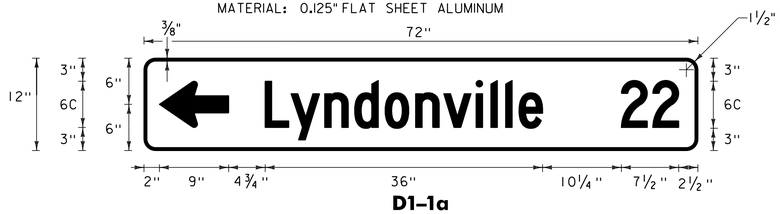


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 285+04, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

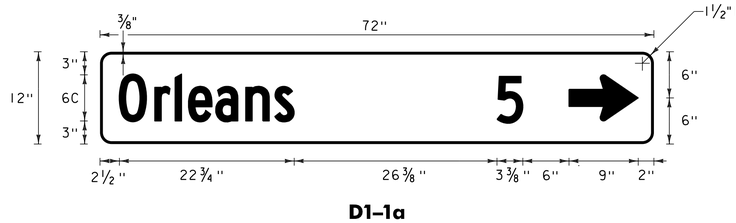


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 285+04, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

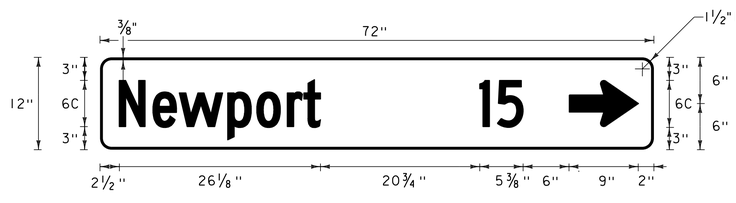


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 285+04, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

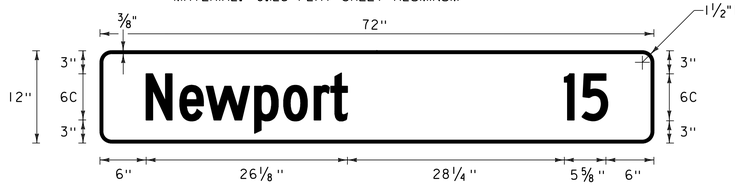


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 285+04, LT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

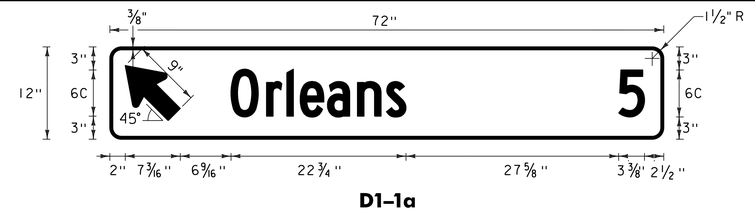


D1-1a

LOCATION: U.S. ROUTE 5:
STA. 287+60, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

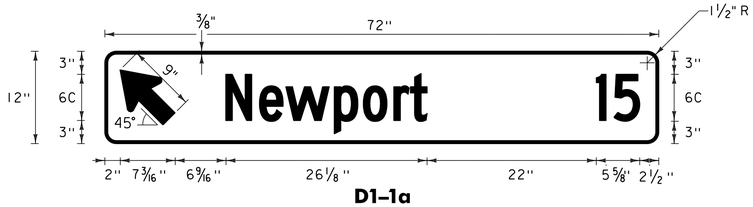


D1-1a

LOCATION: VT ROUTE 16:
STA. 122+41, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

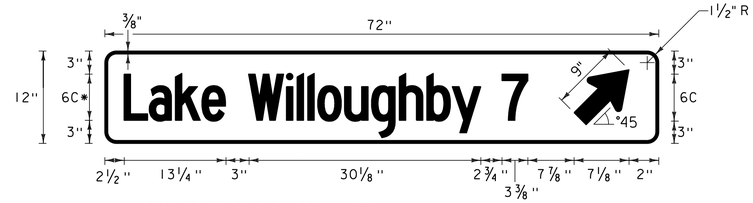


D1-1a

LOCATION: VT ROUTE 16:
STA. 122+41, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM



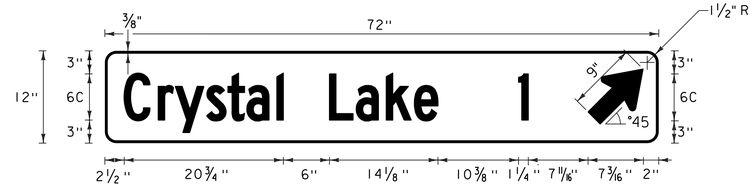
*REDUCE SPACING BY 50%

D1-1a

LOCATION: VT ROUTE 16:
STA. 122+41, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM



D1-1a

LOCATION: VT ROUTE 16:
STA. 122+41, RT

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)

MATERIAL: 0.125" FLAT SHEET ALUMINUM

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM PER 750.08
2. ALL STREET SIGNS ARE TWO-SIDED

NOT TO SCALE

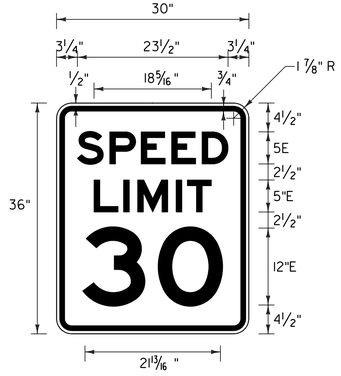
TRAFFIC SIGN DETAIL SHEET #3

Stantec

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tsd03.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 63 OF 75

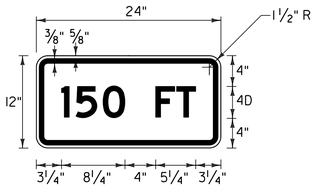


R2-1

LOCATION: VT ROUTE 58:
STA. 8+27, RT

COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER TRAFFIC SIGN TABLE

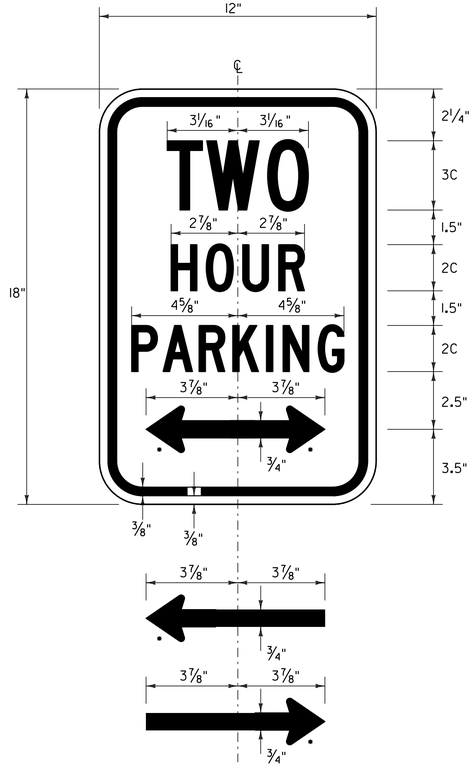


W16-2aP

LOCATION: VT ROUTE 58:
STA. 22+35, RT

COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
YELLOW BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE

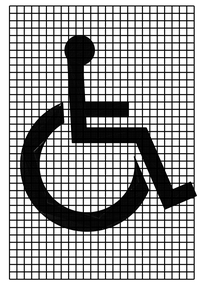


•SEE ARROW DETAIL FOR PARKING SIGNS ON THIS SHEET

LOCATION: VT ROUTE 58:
STA. 11+18, RT (LEFT ARROW)
STA. 12+87, RT (DOUBLE ARROW)
STA. 14+06, RT (DOUBLE ARROW)

COLOR: GREEN BORDER AND TEXT ON
WHITE BACKGROUND (RETROREFLECTIVE)

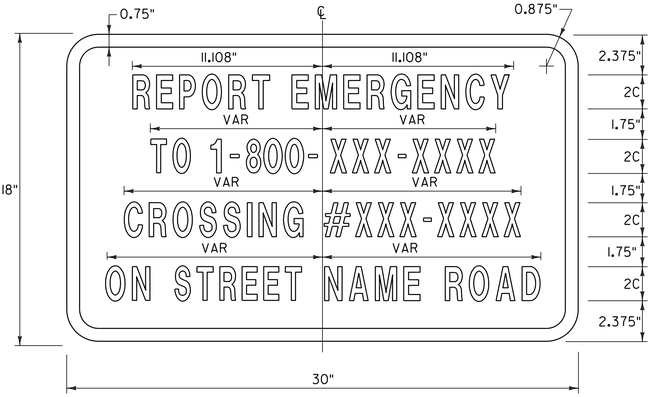
MATERIAL: PER THE TRAFFIC SIGN TABLE



LOCATION: VT ROUTE 16:
STA. 123+03, LT

COLOR: GREEN BORDER AND TEXT
WHITE SYMBOL ON BLUE BACKGROUND
WHITE BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE



1-13a

LOCATION: VT ROUTE 58:
STA. 16+04, RT
STA. 17+53, LT
STA. 18+11, LT (2)

COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
BLUE BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE

TRAFFIC SIGN NOTES

1. ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS REFERENCED IN THESE PLANS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) UNLESS OTHERWISE DETAILED WITHIN THESE PLANS.

2. ALL COLORS SHALL CONFORM WITH THE STANDARD COLORS ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) AND APPROVED BY FHWA UNLESS OTHERWISE NOTED.

3. UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIALS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIZES			36" X 12"	
		24" X 10"	36" X 15"	
		24" X 12"	42" X 12"	
		30" X 12"	48" X 12"	
		24" X 18"	36" X 18"	
		24" X 24"	54" X 12"	48" X 18"
		24" X 30"	36" X 24"	48" X 24"
	9" X 12"	30" X 15"	30" X 42"	48" X 30"
	12" X 12"	30" X 18"	36" X 36"	48" X 42"
	18" X 18"	30" X 30"	36" X 48"	48" X 48"
	21" X 15"	30" X 42"	36" X 54"	48" X 60"
THICKNESS	0.060"	0.080"	0.100"	0.125"

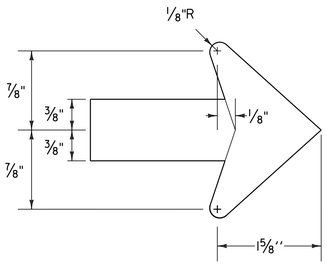
RAILROAD CROSSING NUMBER SIGN NOTES:

1. THE COLORS, LETTERING, DESIGN, AND SPECIFICATION SHALL CONFORM TO THE NOTES SHOWN ON VERMONT STANDARD E-132.

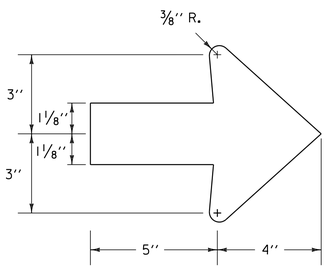
2. THE EMERGENCY CONTACT TELEPHONE NUMBER IS 1-877-565-8133

3. THE I-13a SIGNS SHALL BE PLACED ON THE ROADWAY SIDE OF THE SIGNAL CABINET AS WELL AS ON THE EXISTING SIGNAL POLES AS SHOWN ON SHEETS 34 AND 35. THESE SIGNS ARE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (RAIL - HIGHWAY CROSSING ACTIVE WARNING SYSTEM).

4. THE CROSSING NUMBERS ARE *850-879H ON MAIN STREET, AND 850-878B ON NORTH AVE.



ARROW DETAIL FOR PARKING SIGNS



ARROW DETAIL FOR DESTINATION BOARDS

LOCATION: U.S. ROUTE 5
STA. 275+68, LT

COLOR: RED BORDER AND TEXT (RETROREFLECTIVE)
WHITE BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER THE TRAFFIC SIGN TABLE

NOT TO SCALE

NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM PER 750.08

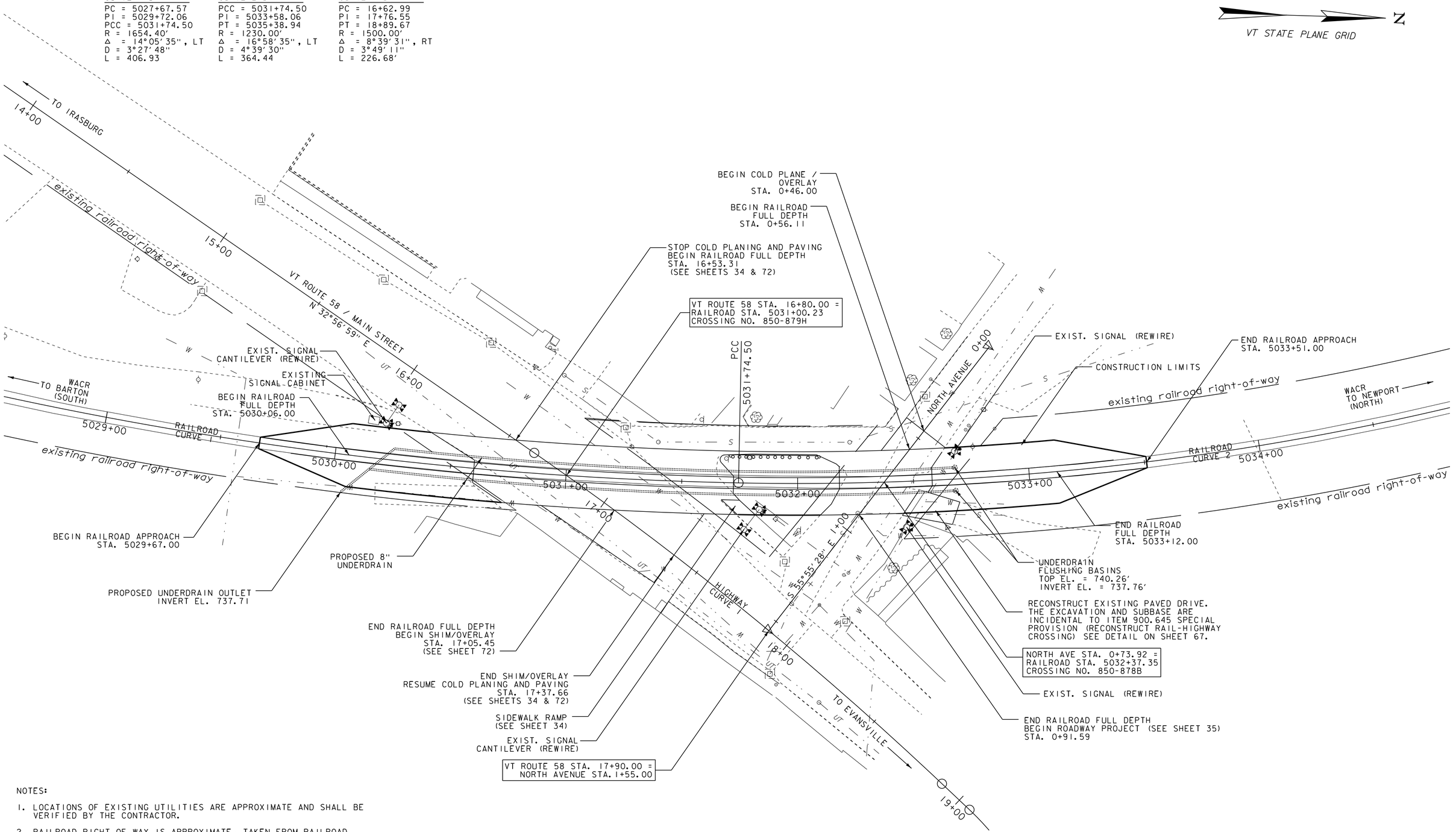
TRAFFIC SIGN DETAIL SHEET #4

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tsd04.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 64 OF 75

RAILROAD CURVE 1 DATA	RAILROAD CURVE 2 DATA	HIGHWAY CURVE 1 DATA
PC = 5027+67.57	PCC = 5031+74.50	PC = 16+62.99
PI = 5029+72.06	PI = 5033+58.06	PI = 17+76.55
PCC = 5031+74.50	PT = 5035+38.94	PT = 18+89.67
R = 1654.40'	R = 1230.00'	R = 1500.00'
Δ = 14°05'35", LT	Δ = 16°58'35", LT	Δ = 8°39'31", RT
D = 3°27'48"	D = 4°39'30"	D = 3°49'11"
L = 406.93	L = 364.44	L = 226.68'



NOTES:

1. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR.
2. RAILROAD RIGHT OF WAY IS APPROXIMATE, TAKEN FROM RAILROAD VALUATION PLAN.
3. ADJUST ELEVATION OF VALVE BOXES IN PROPOSED PAVEMENT AREAS. PAID AS ITEM 629.20.
4. SEE SHEETS 34 AND 35 FOR PROPOSED SIGNING AND PAVEMENT MARKINGS.
5. SEE SHEET 71 FOR PROPOSED RAIL ELEVATIONS.

0 20 40
SCALE

Stantec

RAILROAD CROSSING PLAN SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rcp.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 65 OF 75

GPS CONTROL POINTS

HVCTRL #1

BARTON AZ MK

NORTH = 840479.720
EAST = 1714921.810
ELEV. = 842.110

BARTON, VERMONT. IN THE 191 MEDIAN, 10.5 M SOUTHEAST OF AND ABOUT 0.7 M LOWER THAN THE EDGE OF PAVEMENT OF THE SB LANE, 18.1 M NORTHWEST OF THE EDGE OF PAVEMENT OF THE NB LANE, 91.9 M SOUTH SOUTHWEST OF THE SOUTHEAST CORNER OF THE SB BRIDGE ABUTMENT OVER ROUTES 5 AND 58, 96.3 M SOUTHWEST OF THE SOUTHWEST CORNER OF THE NB BRIDGE ABUTMENT OVER ROUTES 5 AND 58, 9.9 M SOUTH OF THE CENTER OF A 60 CM METAL DRAIN, 8.3 M WEST OF THE CENTER OF A 60 CM METAL DRAIN, AND 4.5 M NORTHEAST OF A WITNESS POST

HVCTRL #2

BARTON

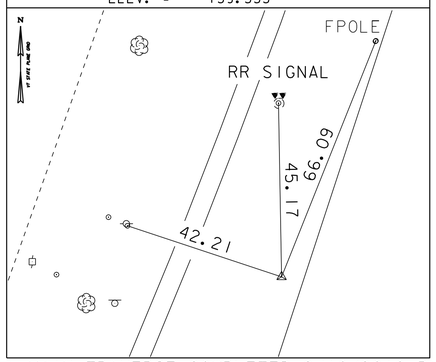
NORTH = 841378.957
EAST = 1716253.530
ELEV. = 779.800

BARTON, VT. SOUTHWEST OF THE VILLAGE OF ORLEANS. ABOUT 30 M NORTHEAST OF THE ROUTE 5 AND ROUTE 58 INTERSECTION. 12.1 M (39.7 FT) NORTH OF AND ABOUT 4.0 M (13.1 FT) HIGHER THAN THE NORTH EDGE OF PAVEMENT OF VT ROUTE 58, 16.2 M (53.1 FT) NORTHEAST OF A WOODEN STRAIN POLE, 5.6 M (18.4 FT) SOUTH SOUTHEAST OF A 25 CM (10 INCH) PINE, AND 4.9 M (16.1 FT) SOUTH SOUTHWEST OF A FIBERGLASS WITNESS POST IN THE RIGHT-OF-WAY FENCE.

TRAVERSE TIES

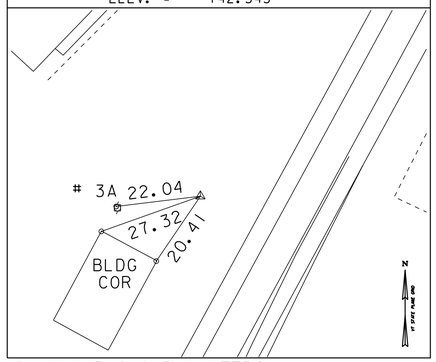
HVCTRL #3

NORTH = 841786.263
EAST = 1717292.788
ELEV. = 739.553



HVCTRL #4

NORTH = 841246.804
EAST = 1716948.059
ELEV. = 742.343



NORTH =
EAST =
ELEV. =

NORTH =
EAST =
ELEV. =

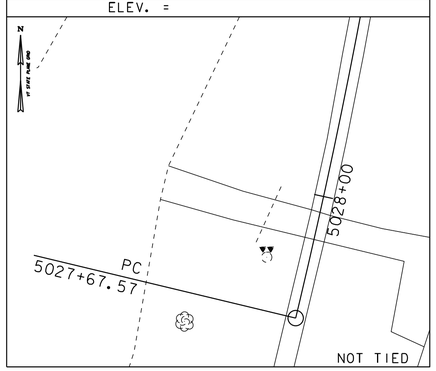
NORTH =
EAST =
ELEV. =

* MAIN TRAVERSE COMPLETED 9/10/2010 BY R.GILMAN P.C & P.WINTERS

ALIGNMENT TIES

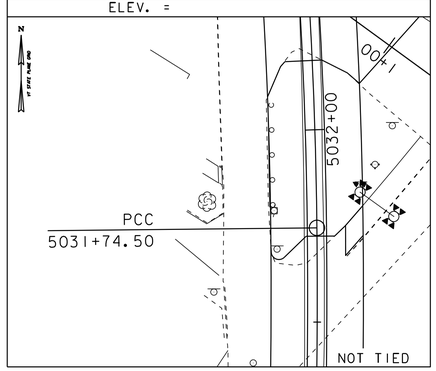
RAIRLOAD CURVE #1 PC

NORTH = 842066.366
EAST = 1717354.955
ELEV. =



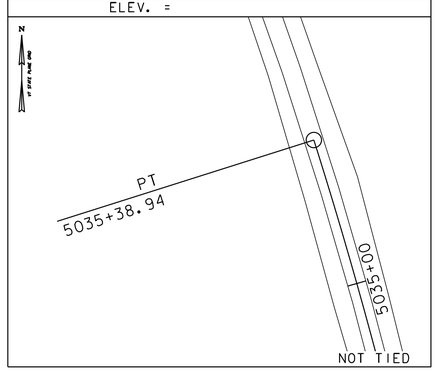
RAILROAD CURVE #1/#2 PCC

NORTH = 842469.704
EAST = 1717400.529
ELEV. =



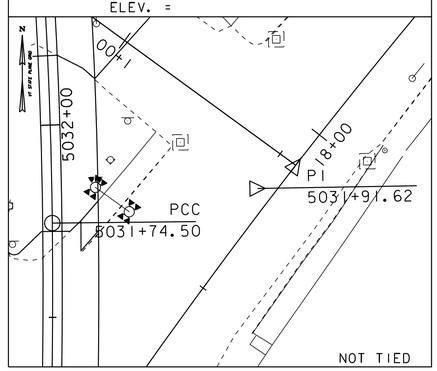
RAILROAD CURVE #2 PT

NORTH = 842828.254
EAST = 1717343.176
ELEV. =



RAILROAD COMPOUND CURVE PI

NORTH = 842478.710
EAST = 1717453.898
ELEV. =



NORTH =
EAST =
ELEV. =

NOT TO SCALE

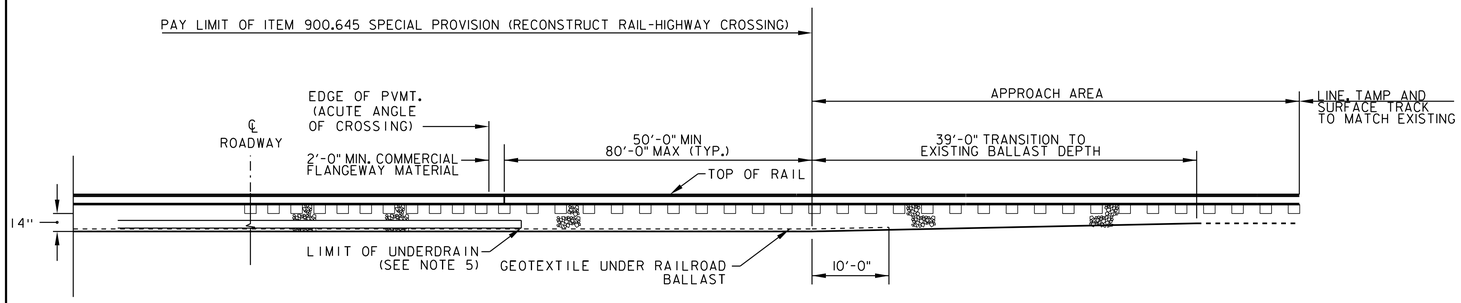
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	COMPASS

RAILROAD CROSSING TIE SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

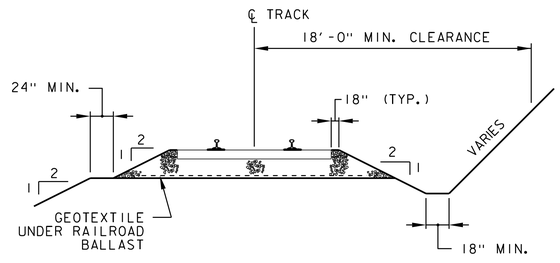
FILE NAME: p07cl92.dgn
PROJECT LEADER:
DESIGNED BY:
IPARM FILE: p07c192rrct.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: R. BULLOCK
CHECKED BY:
SHEET 66 OF 75



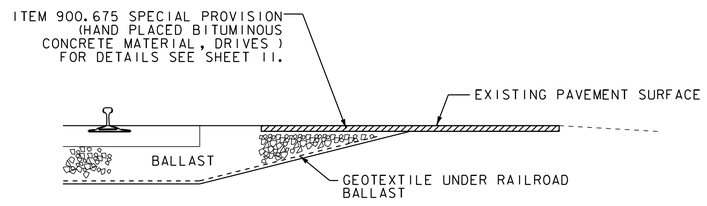
TYPICAL LONGITUDINAL SECTION AT ROAD CROSSING

NOT TO SCALE



TYPICAL SECTION RAILROAD

NOT TO SCALE

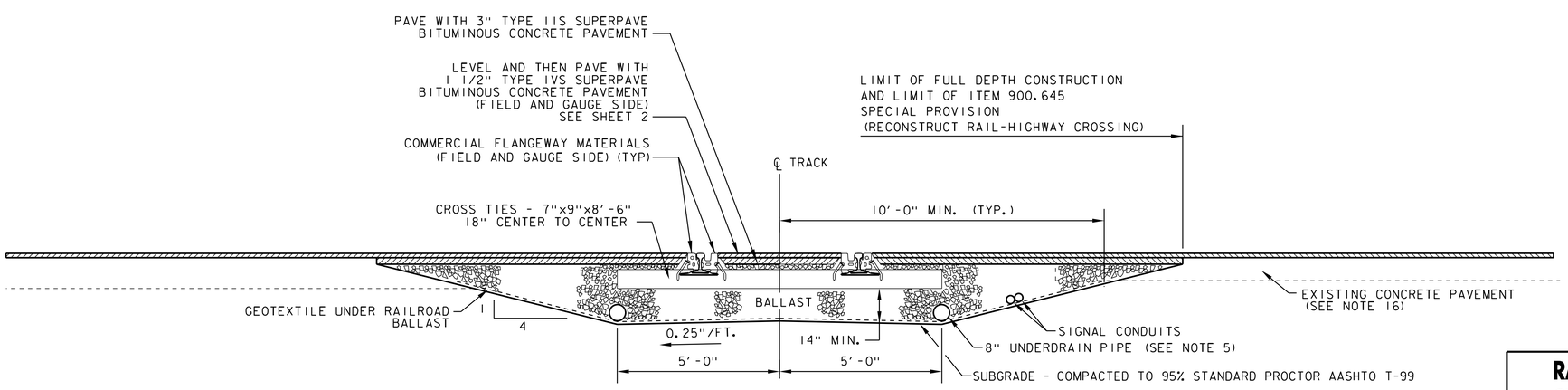


DRIVE RECONSTRUCTION SECTION NORTH AVENUE 0+75, LT

NOT TO SCALE

GENERAL NOTES

1. CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE 2011 STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST VERSIONS OF AREMA AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL WORK IS TO BE PERFORMED WITHIN THE RAILROAD AND HIGHWAY RIGHT-OF-WAY.
3. SIGNAL CONDUIT 4" GALVANIZED STEEL TO BE INSTALLED WITH SECURED END CAPS IN LOCATIONS DIRECTED BY THE ENGINEER. PAYMENT TO BE INCLUDED UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).
4. ANY RAIL WELDING DONE IN FIELD SHALL UTILIZE THERMITE WELDING WITH ADVANCE APPROVAL FROM THE VERMONT AGENCY OF TRANSPORTATION. THE PREFERRED RAIL LAYING TEMPERATURE (PRLT) RANGE IS 100°F TO 110°F. THE PRLT IS 105°F. ANY WELDED JOINTS SHALL BE GROUND TO CONFORM TO THE SHAPE OF THE RAIL ON GAUGE AND FIELD SIDES. THIS WORK IS INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING.
5. NEW UNDERDRAIN PIPE SHALL OUTLET AS SHOWN ON SHEET 65. IF NECESSARY THE OUTLET OF THE UNDERDRAIN SHALL BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER. PERFORATIONS TO BE PLACED NEAR FLOW LINE OF PIPE. GEOTEXTILE SHALL BE GEOTEXTILE UNDER RAILROAD BALLAST. UNDERDRAIN PIPE SHALL BE BITUMINOUS COATED CORRUGATED METAL OR SCHEDULE 40 PVC PERFORATED PIPE. PAYMENT FOR UNDERDRAIN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING).
6. NEW 7"x9"x10'-0" AND 7"x9"x8'-6" CROSS TIES SHALL BE USED IN CROSSING AREA AS SHOWN IN TYPICAL PLAN VIEW ON SHEET 68. CROSS TIES IN APPROACH AREAS SHALL BE REPLACED AS RECOMMENDED BY THE RAILROAD AND APPROVED BY THE ENGINEER. TIES REPLACED IN APPROACH AREAS SHALL BE PAID SEPARATELY UNDER PAY ITEM 900.620 SPECIAL PROVISION (REMOVAL AND REPLACEMENT OF CROSS TIES)
7. TIE PLATES SHALL BE NEW 14 INCH PLATES MANUFACTURED FOR THE RAIL USED. PLATES SHALL BE INSPECTED AND APPROVED BY THE RAILROAD AND THE ENGINEER. RAIL FASTENERS SHALL BE CUT TRACK SPIKES, SPECIFIC RAIL FASTENING SYSTEM SHALL BE RECOMMENDED BY THE RAILROAD AND APPROVED BY THE STATE OF VERMONT AGENCY OF TRANSPORTATION.
8. BALLAST SHALL EXTEND 18" BEYOND END OF TIES AND SLOPED 1:2 TO ROADBED. (SEE DETAIL THIS SHEET)
9. TYPE AND DESIGN OF COMMERCIAL FLANGEWAY MATERIALS SHALL RECEIVE APPROVAL FROM THE ENGINEER. MANUFACTURER'S SPECIFICATIONS SHALL BE FOLLOWED FOR THE INSTALLATION OF COMMERCIAL FLANGEWAY MATERIALS.
10. INSTALLATION OF INSULATED JOINTS: THE MAXIMUM STAGGER BETWEEN RAIL JOINTS SHALL BE 4'-6", MINIMUM SHALL BE 3'-6".
11. APPROACH ASPHALT ROADWAY PAVING SHALL FOLLOW THE 2011 STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SHALL BE INSTALLED WITH PAVING MACHINE WITH LIFTS AS SHOWN ON SHEET 2.
12. IN THE APPROACH AREA, THE CONTRACTOR SHALL REMOVE THE TRACK INCLUDING RAIL, TIES, AND OTM, NECESSARY TO EXCAVATE AND CONSTRUCT THE TRANSITION TO EXISTING BALLAST DEPTH, AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL PREPARE THE SUBGRADE, INSTALL THE GEOTEXTILE UNDER RAILROAD BALLAST, INSTALL THE BALLAST, CONSTRUCT NEW RAIL, ADD BALLAST, AND LINE, TAMP, AND SURFACE THE TRACK IN THE APPROACH AREA TO OBTAIN A SMOOTH TRANSITION BETWEEN THE EXISTING AND PROPOSED TRACK TO THE SATISFACTION OF THE ENGINEER AND THE RAILROAD. THE WORK OF TRACK REMOVAL, NEW BOLTED RAIL, LINE, TAMP, AND SURFACE TRACK IN THE APPROACH AREAS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.645 SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING).
13. THE APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN ON SHEET 65. THE CONTRACTOR IS TO NOTIFY "DIG SAFE" PRIOR TO START OF WORK.
14. THE CONTRACTOR SHALL AVOID DAMAGING ANY EXISTING UTILITY LINE. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
15. THE EXISTING SIGNAL MASTS AND CANTILEVER ARE TO REMAIN IN PLACE. INSTALL NEW WIRING TO THE NEW LED LIGHTS, INSTALLED ON THE EXISTING SIGNAL STRUCTURES. PAID AS ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).
16. ANY REMOVAL OF EXISTING CONCRETE PAVEMENT SHALL BE PAID AS ITEM 203.16 SOLID ROCK EXCAVATION.
17. ALL RAILS AND OTHER MATERIAL REMOVED FROM THE RAILROAD CROSSING AREA BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF AND/OR RECYCLE ALL MATERIALS AS AUTHORIZED BY THE RESIDENT ENGINEER.



TYPICAL TRANSVERSE SECTION AT ROAD CROSSING

NOT TO SCALE

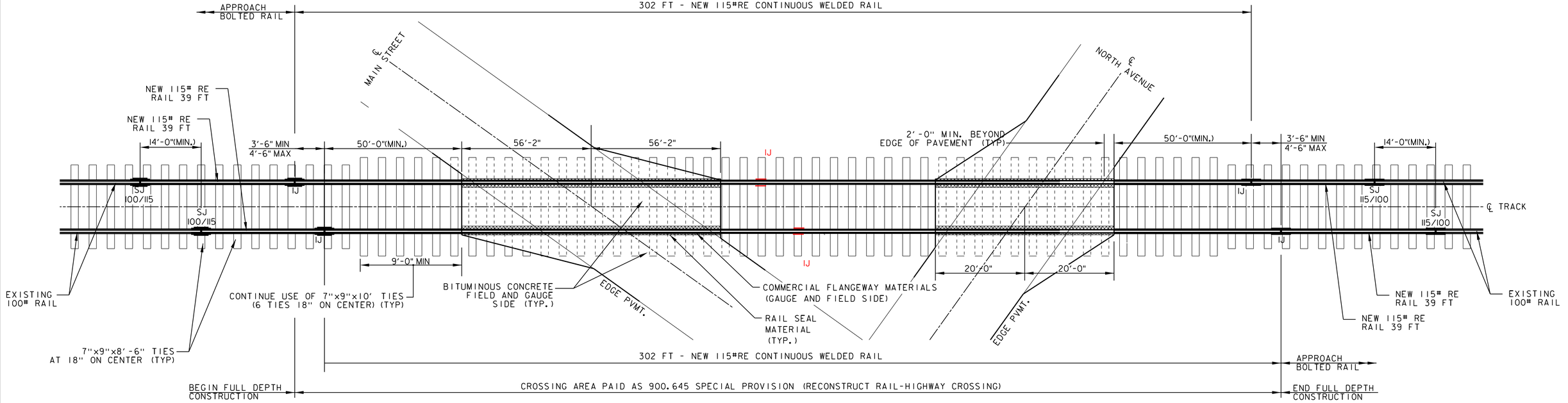
Stantec

RAILROAD CROSSING TYPICAL SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

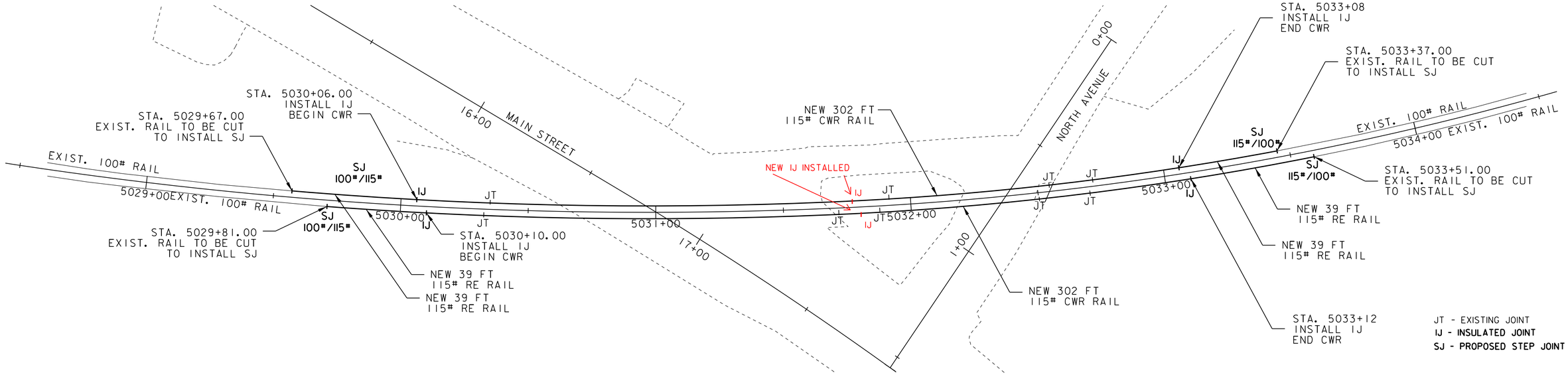
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rts01.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 67 OF 75



TYPICAL PLAN VIEW

NOT TO SCALE



EXISTING AND PROPOSED RAIL JOINT LAYOUT

NOT TO SCALE

NOTE:
THE CONTRACTOR SHALL FIELD VERIFY THE LENGTH OF RAIL SEAL REQUIRED PRIOR TO ORDERING.

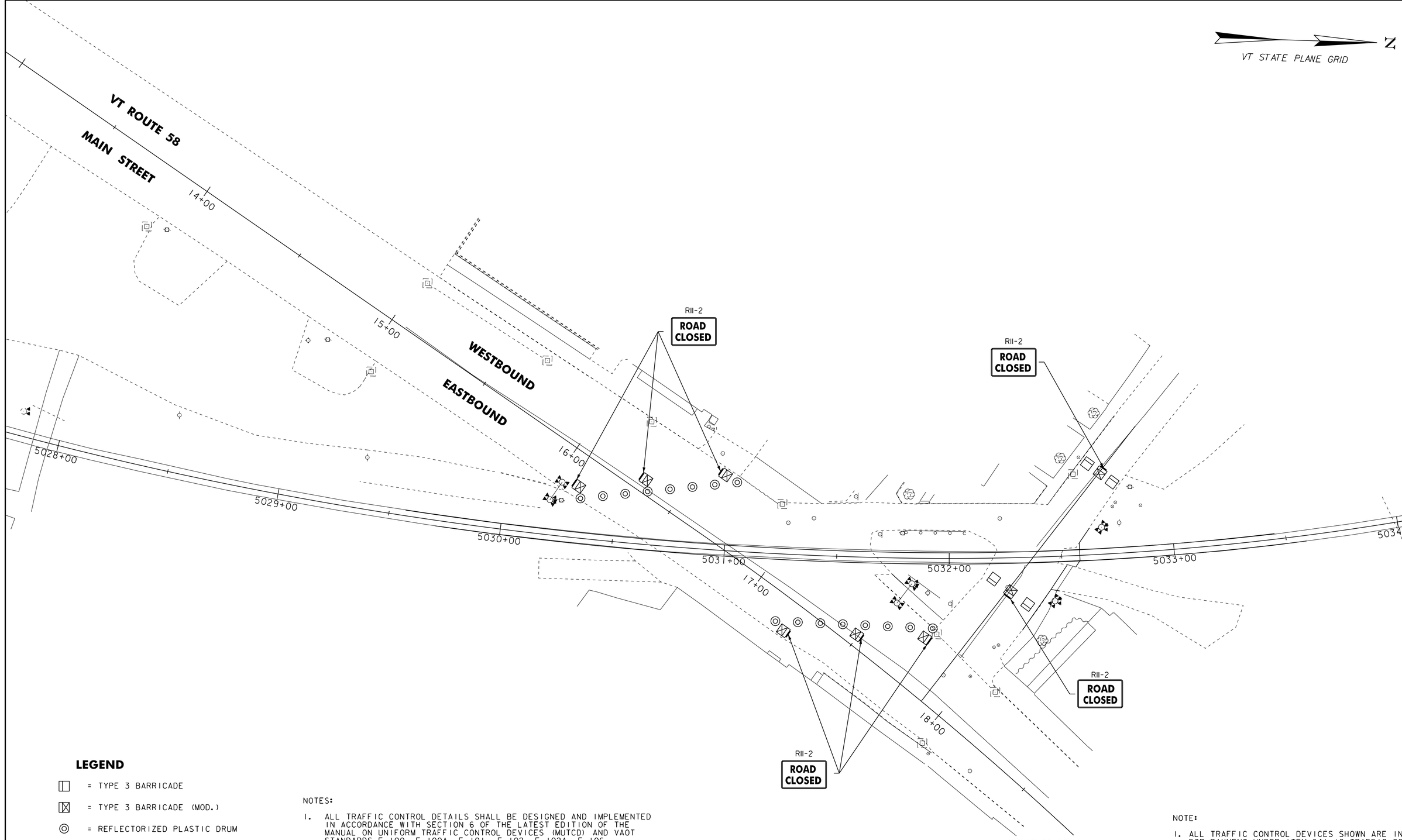
Stantec

RAILROAD CROSSING TYPICAL SHEET #2

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rts02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 68 OF 75



NOT TO SCALE

LEGEND

- = TYPE 3 BARRICADE
- = TYPE 3 BARRICADE (MOD.)
- = REFLECTORIZED PLASTIC DRUM

NOTES:

1. ALL TRAFFIC CONTROL DETAILS SHALL BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND VAOT STANDARDS E-100, E-100A, E-101, E-102, E-102A, E-106, E-107 AND E-107A.
2. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES IN CONFORMANCE WITH MUTCD SECTION 6D AND THE PEDESTRIAN TRAFFIC CONTROL NOTES ON SHEET 75.
3. THE CONTRACTOR SHALL MAINTAIN DRIVE ACCESS AT ALL TIMES.

NOTE:

1. ALL TRAFFIC CONTROL DEVICES SHOWN ARE INCLUDED FOR PAYMENT UNDER ITEM 641.10 TRAFFIC CONTROL.

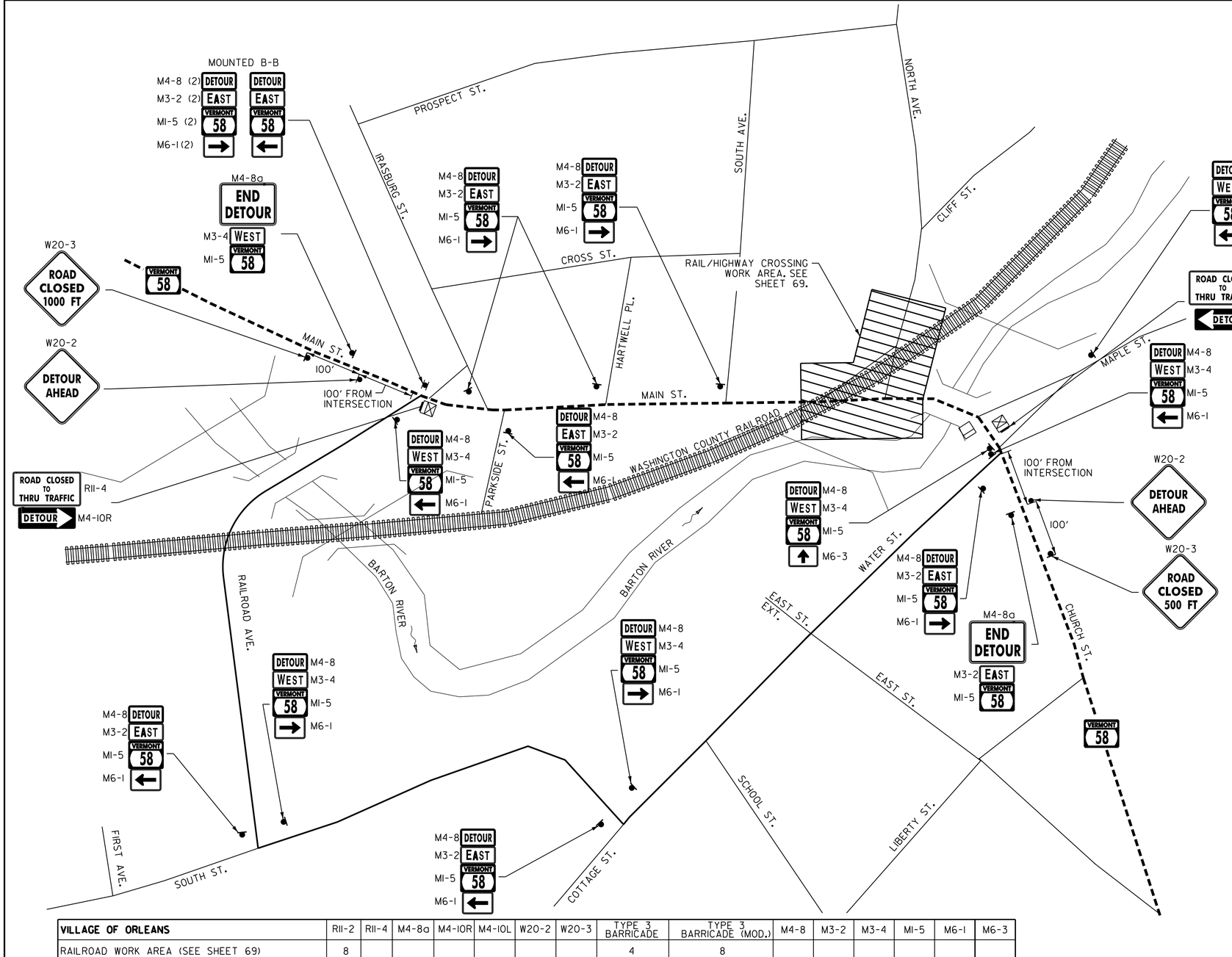
Stantec

RAILROAD CROSSING ROAD CLOSURE PLAN SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rcrc.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 69 OF 75



NOTES

1. MAIN STREET WILL BE CLOSED TO THROUGH TRAFFIC BETWEEN RAILROAD AVENUE AND WATER STREET DURING THE RAILROAD CROSSING CONSTRUCTION PROCESS. SEE SHEET 69 FOR ADDITIONAL DETAILS.
2. THE TRAFFIC DETOUR SHALL BE USED THROUGHOUT THE ENTIRE RAILROAD CROSSING CONSTRUCTION PROCESS. THE INTENT OF THE DETOUR IS TO ELIMINATE VEHICLE TRAFFIC FROM THE RAILROAD CONSTRUCTION AREAS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK IN SUCH A MANNER AS TO GIVE THE TOWN AT LEAST TWO WEEKS NOTICE PRIOR TO COMMENCING THE RAILROAD CROSSING CONSTRUCTION PROCESS. ALL COMMUNICATION SHALL INCLUDE EMERGENCY DISPATCH PERSONNEL AS DESCRIBED IN THE SPECIAL PROVISIONS.
4. NO DETOUR SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. EXISTING SIGNS WHICH CONFLICT WITH THE DETOUR SHALL BE COMPLETELY COVERED OR REMOVED.
5. ALL TRAFFIC CONTROL DETAILS SHALL BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND VAOT STANDARDS E-100, E-100A, E-101, E-102, E-102A, E-106, E-107 AND E-107A.
6. DETOUR ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MUTCD.
7. DETOUR SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
8. DIAMOND SHAPED DETOUR SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
9. RETROREFLECTIVE SHEETING SHALL BE TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN SUBSECTION 750.08.
10. WHERE DETOUR SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
11. THE ALLOWABLE DURATION AND TIMING OF ROAD CLOSURE SHALL BE COORDINATED WITH THE RAILROAD, THE VILLAGE, AND OTHER AFFECTED PARTIES THROUGH THE RESIDENT ENGINEER.
12. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES IN CONFORMANCE WITH MUTCD SECTION 6D AND THE PEDESTRIAN TRAFFIC CONTROL NOTES ON SHEET 75.
13. ALL WORK DEPICTED ON THIS SHEET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10 TRAFFIC CONTROL.

VILLAGE OF ORLEANS	RII-2	RII-4	M4-8a	M4-10R	M4-10L	W20-2	W20-3	TYPE 3 BARRICADE	TYPE 3 BARRICADE (MOD.)	M4-8	M3-2	M3-4	MI-5	M6-1	M6-3
RAILROAD WORK AREA (SEE SHEET 69)	8							4	8						
MAIN ST. & RAILROAD AVE. INTERSECTION		1	1	1		1	1		1	3	2	2	4	3	
RAILROAD AVE. & SOUTH ST. INTERSECTION										2	1	1	2	2	
SOUTH ST. & WATER ST. INTERSECTION										2	1	1	2	2	
WATER ST. & CHURCH ST. INTERSECTION		1	1		1	1	1	1	1	3	1	2	4	2	1
IRASBURG ST. & MAIN ST.										1	1		1	1	
PARKSIDE ST. & MAIN ST.										1	1		1	1	
HARTWELL PL. & MAIN ST.										1	1		1	1	
SOUTH AVE. & MAIN ST.										1	1		1	1	
MAPLE ST.										1		1	1	1	
TOTALS	8	2	2	1	1	2	2	5	10	15	9	7	17	14	1

LEGEND

= RAILROAD WORK AREA

= SIGN (SHOWN FACING LEFT)

= TYPE 3 BARRICADE

= TYPE 3 BARRICADE (MOD.)

Stantec

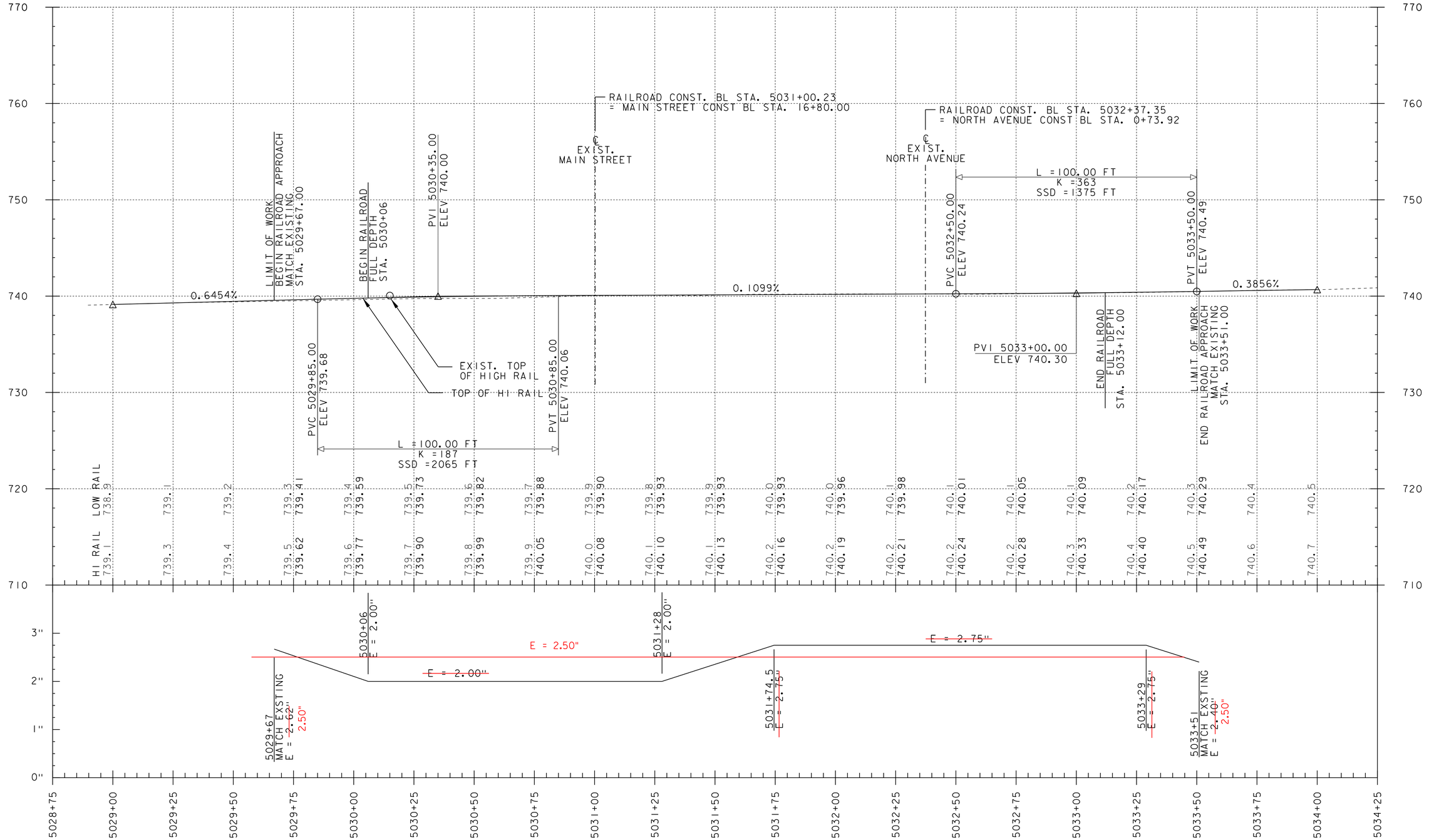
NOT TO SCALE

RAILROAD CROSSING DETOUR SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rrcd.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 70 OF 75



RAILROAD TOP OF RAIL PROFILE

NOTES:

1. GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING TOP OF RAIL
2. GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE AT TOP OF RAIL

SCALE 0 20 40 — 10 5 0

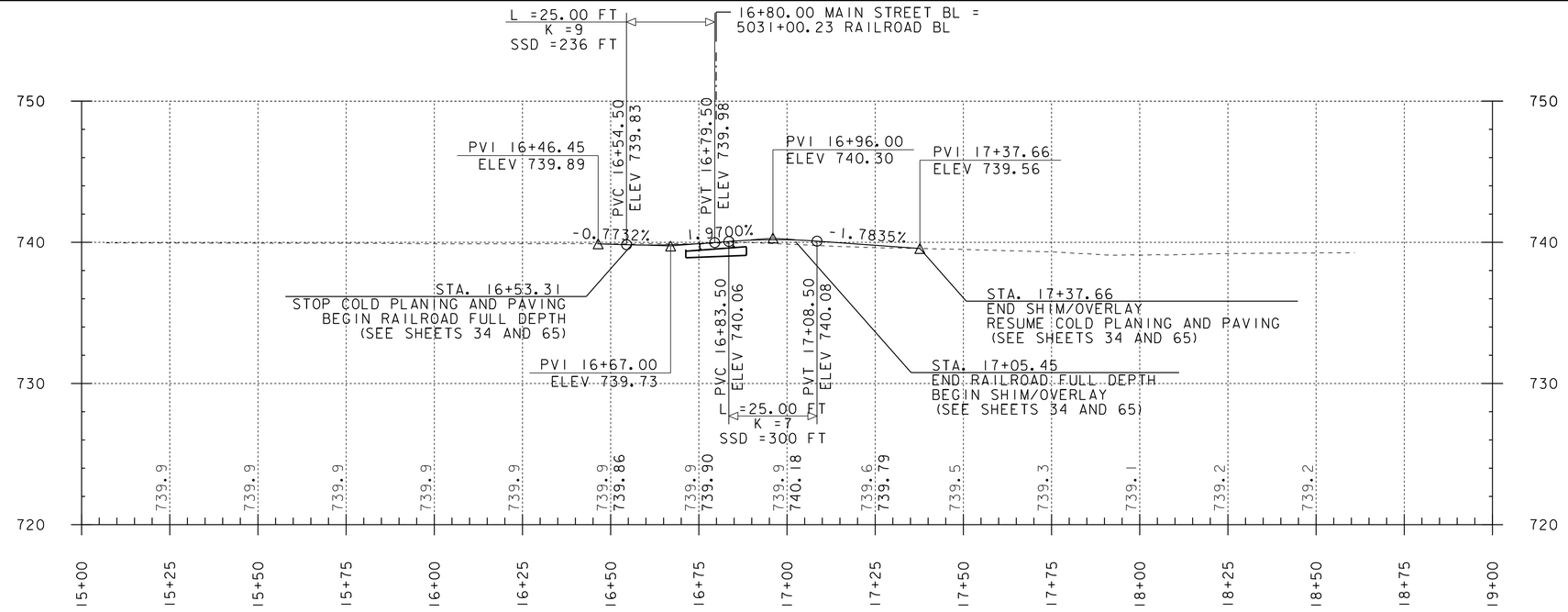
Stantec

RAILROAD PROFILE SHEET

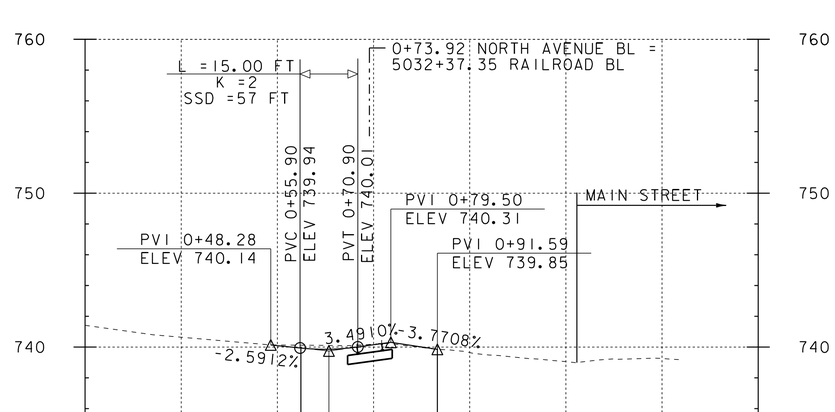
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rrps.i

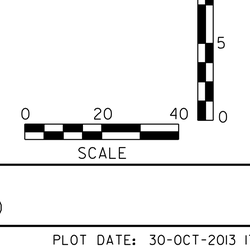
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 71 OF 75



MAIN STREET PROFILE



NORTH AVENUE PROFILE



NOTES:

1. GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG PROPOSED CENTERLINE.
2. GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE ALONG PROPOSED CENTERLINE

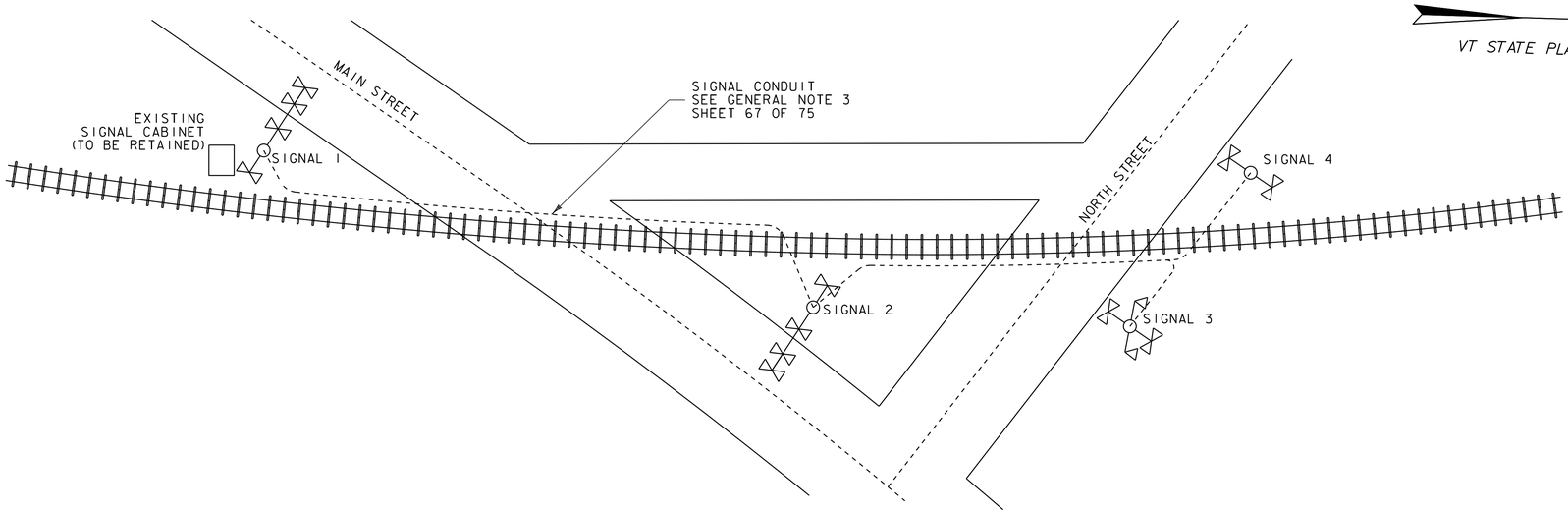
Stantec

ROADWAY PROFILES SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rps.i

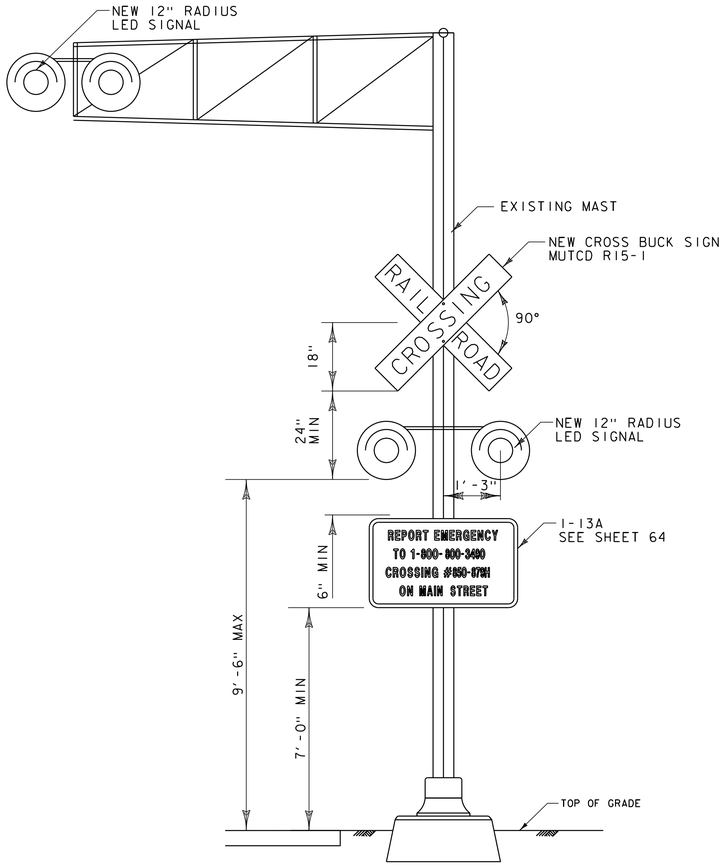
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 72 OF 75



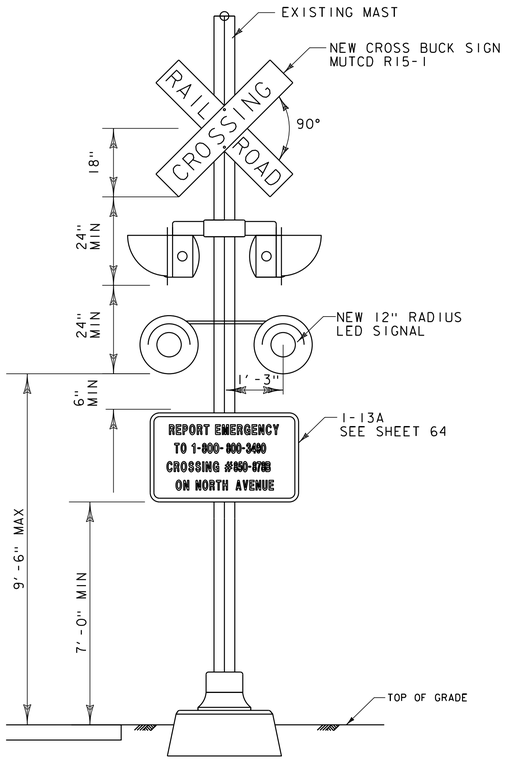
QTY	DESCRIPTION
4	R15-1 CROSS BUCK SIGN
26	12" LED SIGNAL
5	1-13A "REPORT EMERGENCY" SIGN

SIGNAL ASSEMBLY IMPROVEMENT PLAN

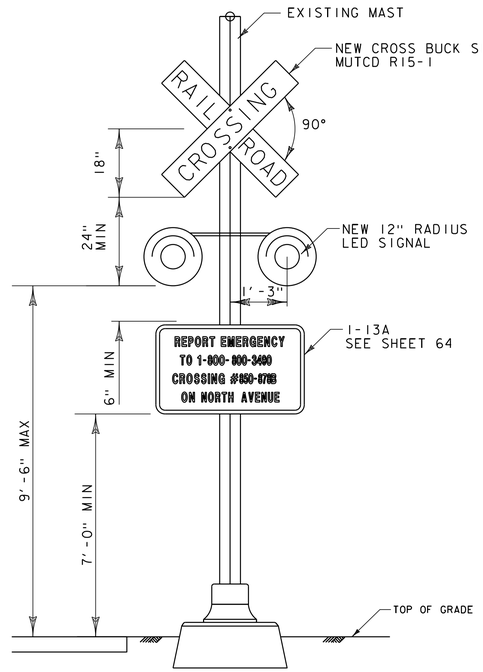
NOT TO SCALE



SIGNAL 1 AND SIGNAL 2 DETAIL



SIGNAL 3 DETAIL



SIGNAL 4 DETAIL

NOTES:

1. I-13A SIGNS SHALL BE PLACED ONE ON EACH SIGNAL MAST AND ONE ON THE SIGNAL CABINET.
2. NEW I-13A SIGNS, 12" LED SIGNALS, SIGNAL CONDUIT AND REWIRING OF EXISTING MASTS SHALL BE PAID AS ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).

NOT TO SCALE

Stantec

RR SIGNAL ASSEMBLY IMPROVEMENTS DETAIL SHEET

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

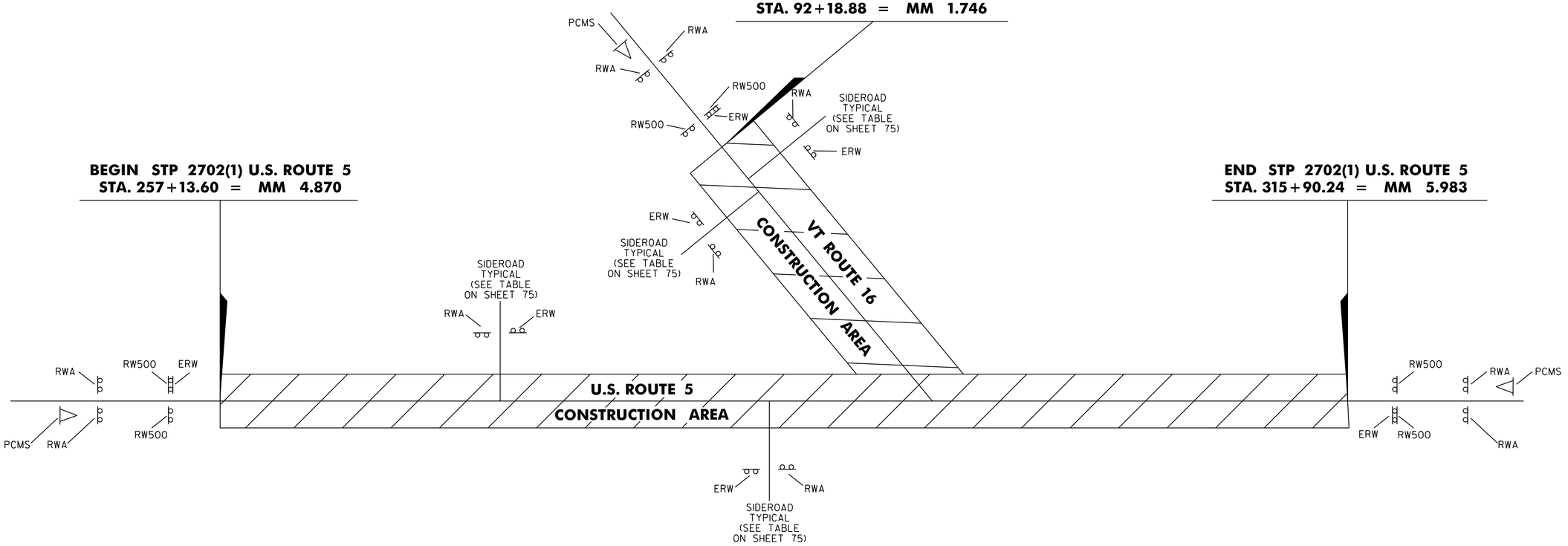
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rsid.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 73 OF 75

BEGIN STP 2702(1) VT ROUTE 16
STA. 92+18.88 = MM 1.746

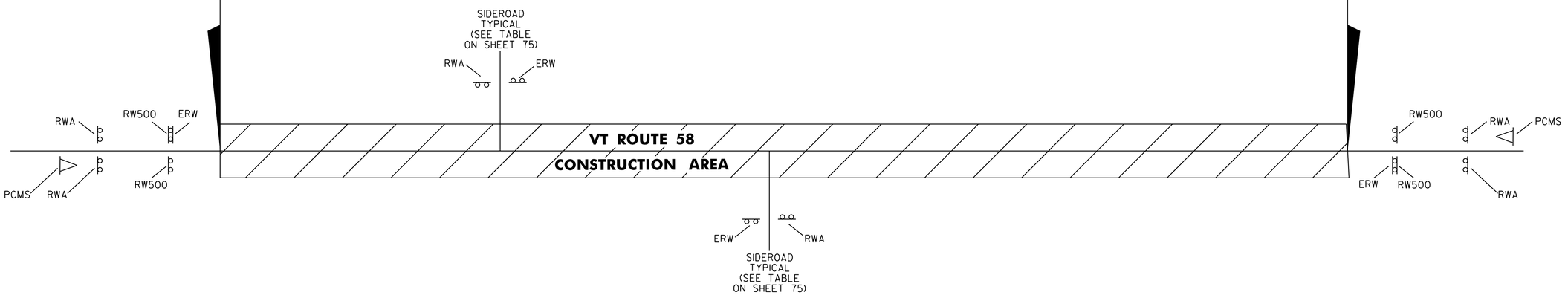
BEGIN STP 2702(1) U.S. ROUTE 5
STA. 257+13.60 = MM 4.870

END STP 2702(1) U.S. ROUTE 5
STA. 315+90.24 = MM 5.983



BEGIN STP 2702(1) VT ROUTE 58
STA. 8+07.84 = MM 0.153

END STP 2702(1) VT ROUTE 58
STA. 39+75.84 = MM 0.753



FOR NOTES AND SIGNING TABLE, SEE SHEET 75.

NOT TO SCALE

Stantec

CONSTRUCTION APPROACH SIGNING SHEET #1

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192ttcp01.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 74 OF 75

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

LOCATION	ERW	RW500	RWA	◁
VILLAGE OF BARTON				
U.S. ROUTE 5 - BEGIN PROJECT	1	2	2	1
DUCK POND ROAD	1		1	
WEST STREET	1		1	
WATER STREET	1		1	
EASTERN AVENUE	1		1	
SCHOOL STREET	1		1	
HARRISON AVENUE	1		1	
PORTER LANE	1		1	
CONGRESS COURT	1		1	
LINCOLN AVENUE	1		1	
DAVIS COURT	1		1	
WASHINGTON STREET	1		1	
U.S. ROUTE 5 - END PROJECT	1	2	2	1
U.S. ROUTE 5 SUBTOTALS:	**13**	**4**	**15**	**2**
VT ROUTE 16 - BEGIN PROJECT	1	2	2	1
ROARING BROOK ROAD	1		1	
ELM STREET	1		1	
WATER STREET	1		1	
SCHOOL STREET	1		1	
VT ROUTE 16 SUBTOTALS:	**5**	**2**	**6**	**1**
VILLAGE OF ORLEANS				
VT ROUTE 58 - BEGIN PROJECT	1	2	2	1
RAILROAD AVENUE	1		1	
IRASBURG STREET	1		1	
PARKSIDE AVENUE			1	
HARTWELL PLACE	1		1	
SOUTH AVENUE	1		1	
NORTH AVENUE EXIT			1	
NORTH AVENUE	1		1	
MAPLE STREET	1		1	
WATER STREET	1		1	
LIBERTY STREET	1		1	
EAST STREET (SOUTH)	1		1	
EAST STREET (NORTH)	1		1	
SCHOOL STREET	1		1	
VT ROUTE 58 - END PROJECT	1	2	2	1
VT ROUTE 58 SUBTOTALS:	**13**	**4**	**17**	**2**
TOTALS	**31**	**10**	**38**	**5**

LEGEND

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

GENERAL NOTES:

1. THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.10, SHALL INCLUDE BUT IS NOT LIMITED TO ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VAOT STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED. THIS ITEM WILL ALSO INCLUDE THE WORK DEPICTED ON SHEETS 69 AND 70 AS NOTED.

2. 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. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED. CONES SHALL BE USED ALONG THE ENTIRE LENGTH OF THE LANE CLOSURE TO DELINEATE THE TRAVEL SPACE. THE COSTS ASSOCIATED WITH ALL WORK DESCRIBED IN THIS NOTE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.

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

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

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

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

7. RETROREFLECTIVE SHEETING SHALL BE TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN SUBSECTION 750.08.

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

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

10. AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 350 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MUTCD, PART 6.

2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.

3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHOULD BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.

4. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF THE MUTCD SHALL BE USED.

5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.

6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND TPAR HAVE BEEN PROVIDED.

7. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPAR'S AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. PAYMENT FOR DEVELOPING, IMPLEMENTING, AND MAINTAINING THE TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10.

NOT TO SCALE

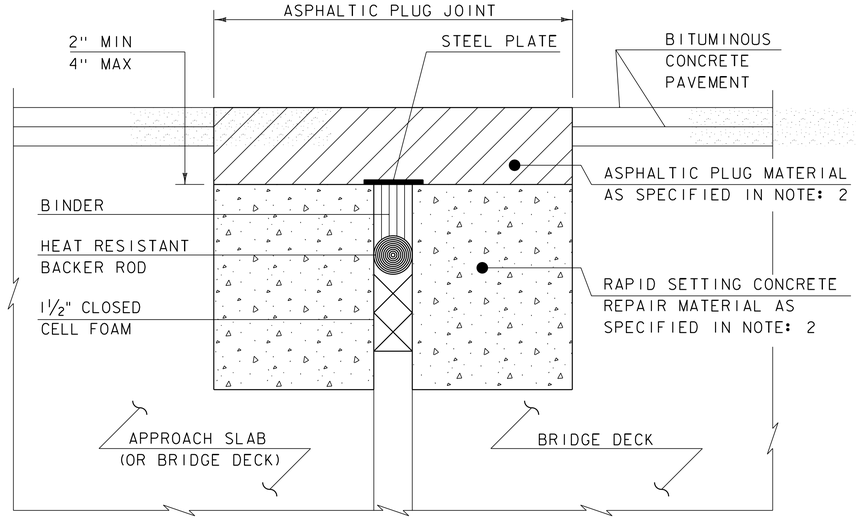
Stantec

CONSTRUCTION APPROACH SIGNING SHEET #2

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07cl92.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192ttcp02.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 75 OF 75



ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB

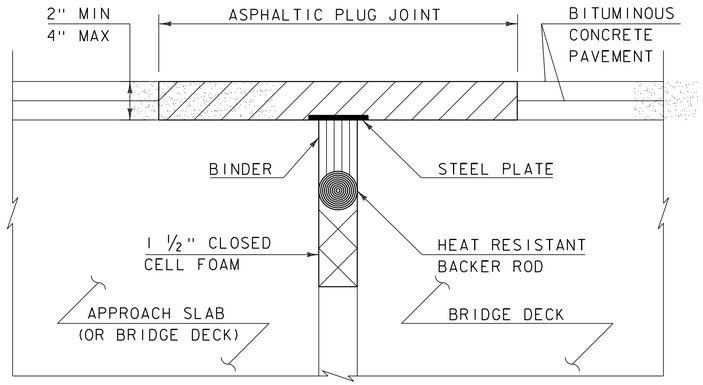
(NOT TO SCALE)

NOTES:

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)

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 COARSE 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.

REVISIONS	
MAY 7, 2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION

BRIDGE JOINT
ASPHALTIC PLUG

VERMONT AGENCY OF TRANSPORTATION
STRUCTURES - DIVISION

STRUCTURES DETAIL
SD-516.10