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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
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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	2011-2021
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	X
FENCE LINE	X — X — X — X —
STONE WALL	— — — — —
TRAVELED WAY	— — — — —
GUARDRAIL	— — — — —
RAILROAD	— — — — —
SURVEY LINE	— — — — —
CULVERT	— — — — —
UTILITY POLE	— — — — —
TREES	— — — — —
CONTROL OF ACCESS	— — — — —
PROPERTY LINE	— — — — —
R.O.W. TAKING LINE	— — — — —
SLOPE RIGHTS	— — — — —
TOP OF CUT	— — — — —
TOE OF SLOPE	— — — — —

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

DATUM
VERTICAL N/A
HORIZONTAL N/A

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).

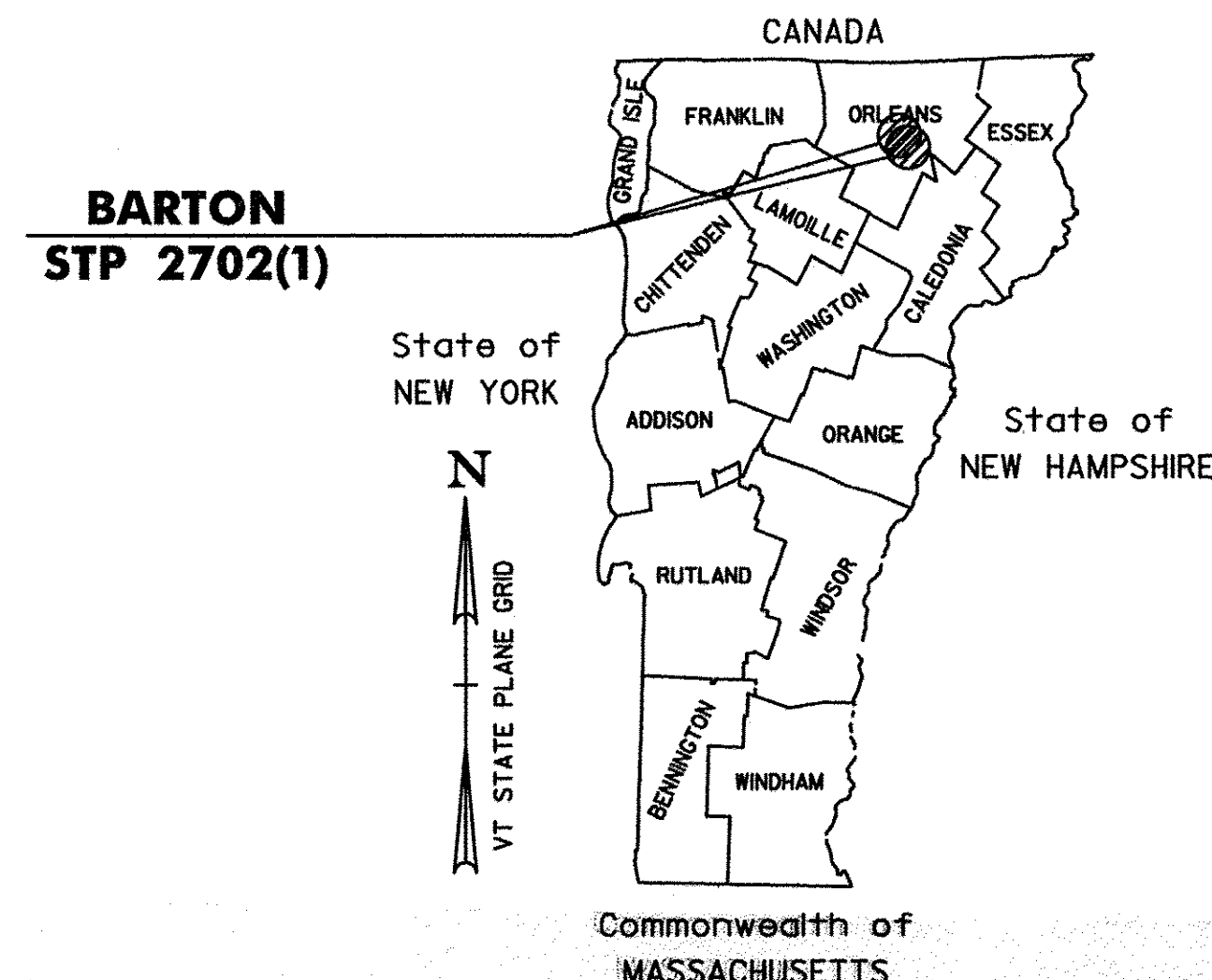
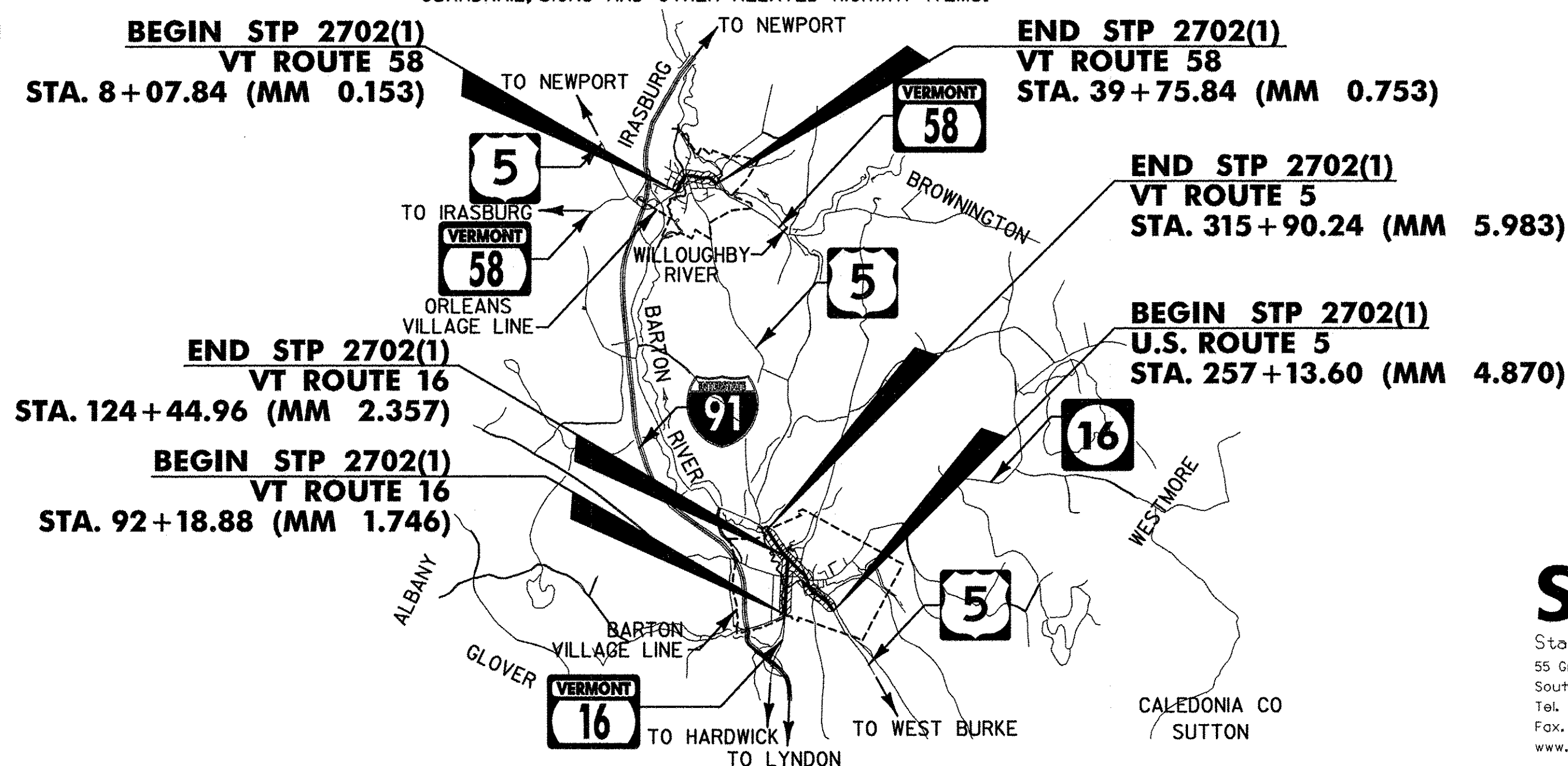
PROJECT DATA:	LENGTH (FEET)	LENGTH (MILES)
VILLAGE OF BARTON		
U.S. ROUTE 5		
STA. 257+13.60 TO 315+90.24	5,876.64	
MM 4.870 TO 5.983		1.113

VILLAGE OF BARTON	LENGTH (FEET)	LENGTH (MILES)
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	LENGTH (FEET)	LENGTH (MILES)
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
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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 CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY: [Signature] RESIDENT ENGINEER

DATE: 10/21/2012

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

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".

Stantec

Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0665
www.stantec.com

p07c192.dgn
p07c192.t1

DIRECTOR OF PROGRAM DEVELOPMENT

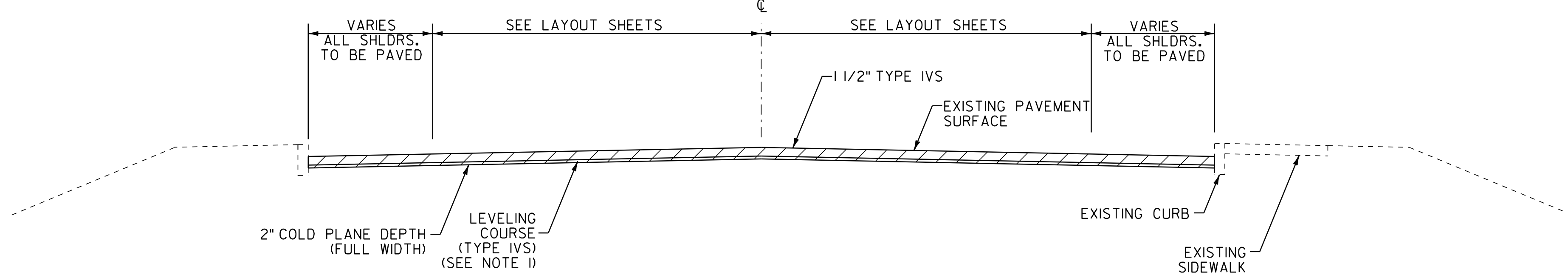
APPROVED: [Signature] DATE: 1/13/12

PROJECT MANAGER: MICHAEL FOWLER, PE

PROJECT NAME: BARTON

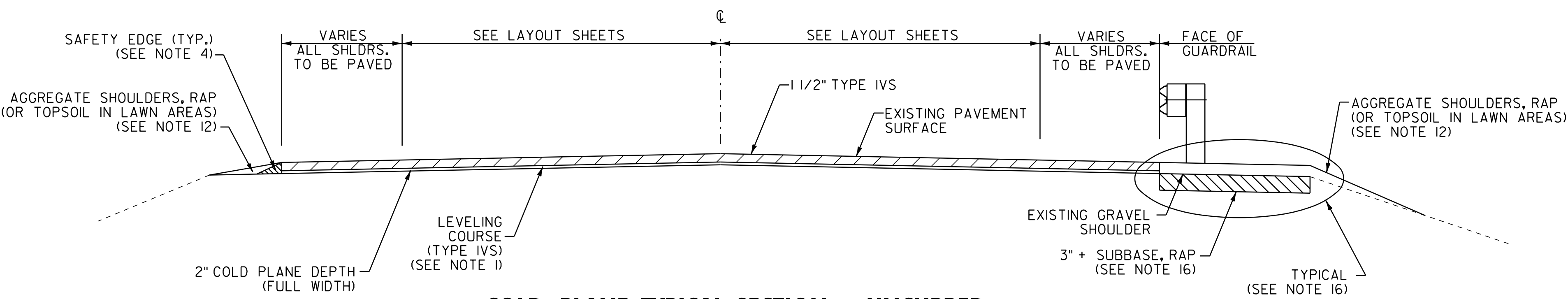
PROJECT NUMBER: STP 2702 (1)

SHEET 1 OF 75 SHEETS



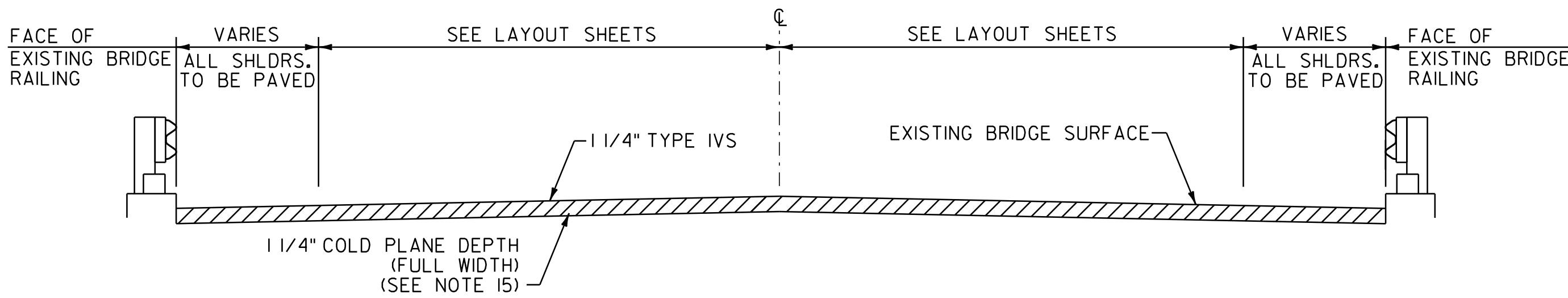
COLD PLANE TYPICAL SECTION - CURBED

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 = $\pm 1/4"$. (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-IH OR CRS-IH).
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.

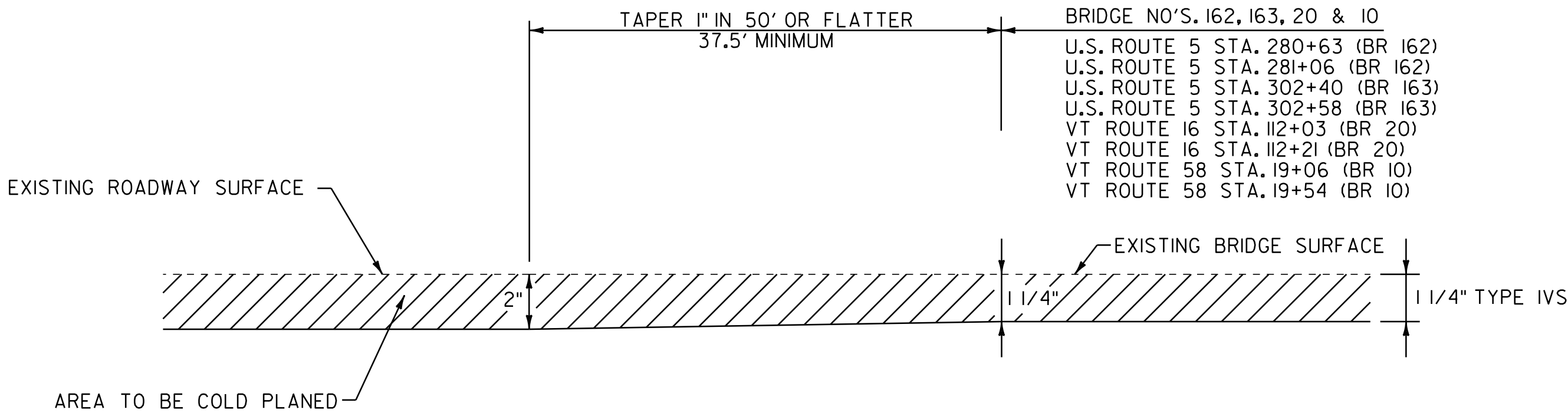
EXCAVATION WILL BE PAID FOR AS ITEM 608.25 ALL PURPOSE EXCAVATOR, TYPE I.
MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.40 SUBBASE, RAP AS DIRECTED BY THE ENGINEER.
EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM PROJECT, AS DIRECTED BY THE ENGINEER.



NOT TO SCALE

PROJECT
TYPICAL
SHEET #1

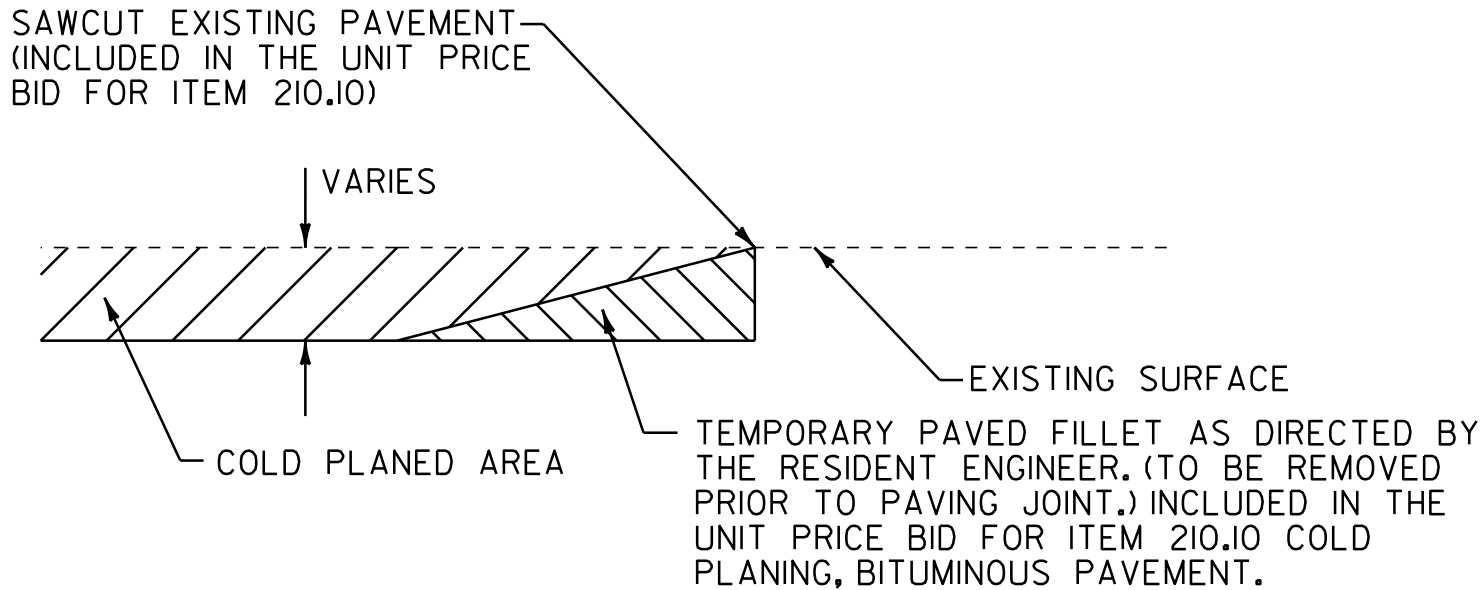
PROJECT NAME: BARTON	
PROJECT NUMBER: STP 2702(1)	
FILE NAME: p07c192.dgn	PLOT DATE: 30-OCT-2013 17:0
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p07c192pts01.i	SHEET 2 OF 75



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

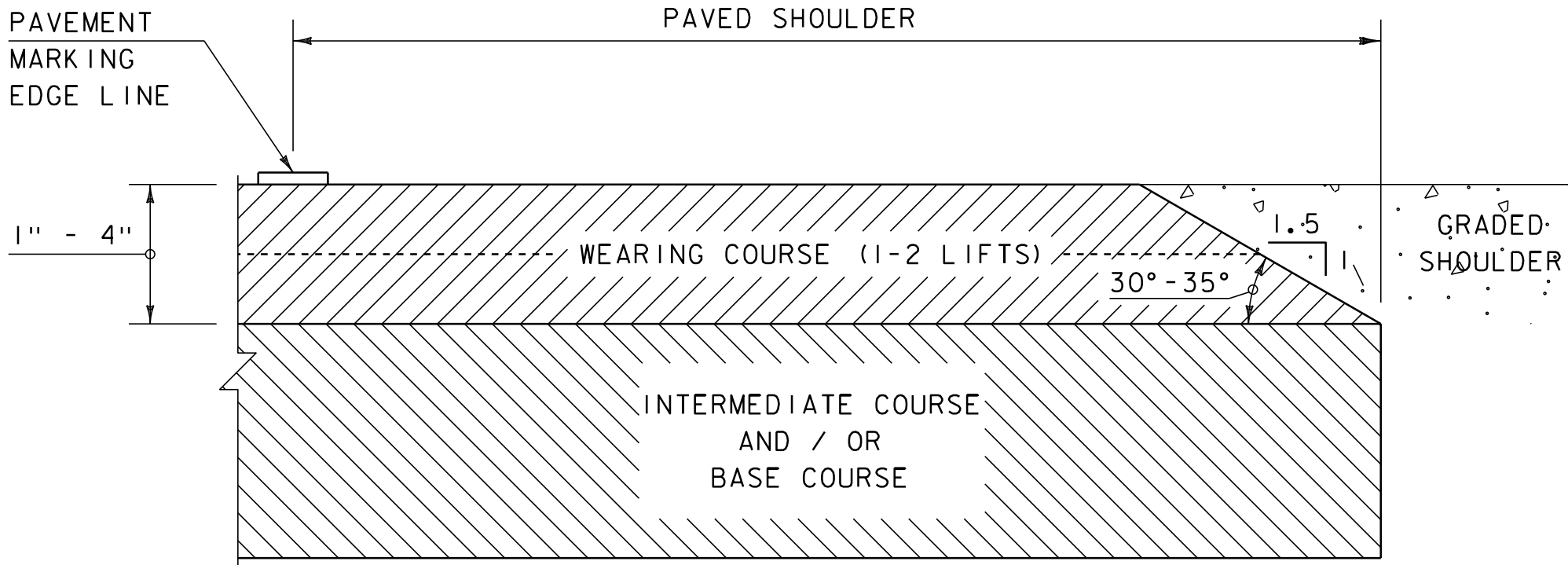


DETAIL AT VERTICAL COLD PLANE JOINTS

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)



SAFETY EDGE DETAIL

NOT TO SCALE

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

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

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



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 RESETTNG 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
	</	

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	621.60	621.80	203.15	203.16	203.30	301.26	402.13	604.40	604.412	604.415	604.42	613.10	616.21	616.28	616.40		616.41
			S.B. G.R. GALV. LF	ANCHOR FOR S.B. RAIL EACH	REMOVAL & DISPOSAL OF GUARDRAIL LF	COMMON EXCAVATION CY	SOLID ROCK EXCAVATION CY	EARTH BORROW CY	SUBBASE OF CRUSHED GRAV., FINE GRADED CY	AGGREGATE SHOULDERS, RAP TON	CHAN ELEV. OF DI, CB OR MH EACH	REHAB DI, CB, OR MH, CLASS I EACH	REHAB DI, CB, OR MH, CLASS II EACH	CHAN ELEV. OF SEWER MH EACH	STONE FILL, TYPE I CY	VERTICAL GRANITE CURB LF	C-I-P CONC. CURB, TYPE B LF	REMOVING & RESETTING CURB LF		REMOVAL OF EXISTING CURB LF
US ROUTE 5																				
VILLAGE OF BARTON																				
257+13.60	315+90.24	LT&RT								107		33	8	17						
262+20	262+28	RT													2.1					
270+20	270+29	RT													2.3					
284+73		RT				4.5			2.5								27.0		27.0	
284+87		LT				1.7			0.9								14.0		14.0	
291+97		LT				2.2			1.2								19.0		19.0	
292+33		LT				0.6			0.4								9.0		9.0	
297+82		LT				3.4			1.9								20.0		20.0	
297+82		RT				1.1			0.6											
298+51		RT				2.0			1.1								11.0		11.0	
298+88		RT				1.6			0.9								9.0			
301+58		RT				0.4			0.2											
303+92		LT				2.6			1.4								14.0		14.0	
304+24		LT				3.2			1.8								26.0		26.0	
305+45		RT				2.0			1.1								14.0		14.0	
306+20		RT				2.4			1.3								14.0		14.0	
306+45		RT				1.8			1.0								10.5		10.5	
306+96		RT				2.8			1.5								16.5		16.5	
309+75	310+89	LT																		
311+58.0	320+08.0	LT	814.5	2	842			50												
VT ROUTE 16																				
VILLAGE OF BARTON																				
92+18.88	124+44.96	LT&RT								62		12	3	9						
92+48.0	93+39.0	LT	102	1	91			25												
115+06	115+12	RT																		
115+14		LT				0.7			0.4								5.0		5.0	
115+14		RT				0.8			0.5											
116+54		LT				0.7			0.4								5.0		5.0	
116+54		RT				0.9			0.5								5.0		5.0	
117+93		RT				0.6			0.3								5.0		5.0	
118+19		RT				0.6			0.4								7.8		7.8	
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 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																					
I19+70		LT				0.7			0.4									5.0		5.0	CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
I20+04		RT				1.2			0.6									12.0		12.0	CONSTRUCT SIDEWALK RAMP, TYPE I
I22+67		LT				1.7			0.9												CONSTRUCT SIDEWALK RAMP, TYPE 6
I22+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
I2+87		LT				2.5			1.4									14.0			CONSTRUCT SIDEWALK RAMP, TYPE I
I3+91		LT				2.9			1.6									20.0			CONSTRUCT SIDEWALK RAMP, TYPE 6
I4+77		LT				1.4			0.8									12.5			CONSTRUCT SIDEWALK RAMP, TYPE I
I5+07		LT				1.7			0.9									12.0			CONSTRUCT SIDEWALK RAMP, TYPE I
I6+56.12	I7+02.41	LT&RT					118														SEE SHEETS 65 & 67
I6+84		LT				2.0			1.1									7.0			CONSTRUCT SIDEWALK RAMP, TYPE I
I7+30.0	I7+60.0	LT	50		28																REFER TO REDUCED POST SPACING DETAIL #1 ON SHEET 14 FOR REDUCED POST SPACING LOCATIONS.
I7+42		LT				2.2			1.2								16.0		16.0		CONSTRUCT SIDEWALK RAMP, TYPE I
I7+74		LT				3.4			1.8								20.0		20.0		CONSTRUCT SIDEWALK RAMP, TYPE I
I8+09		RT				5.6			3.0								23.0		15.0		CONSTRUCT SIDEWALK RAMP, TYPE 6
I8+12		LT				2.3			1.3								4.0				CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
I9+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.

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

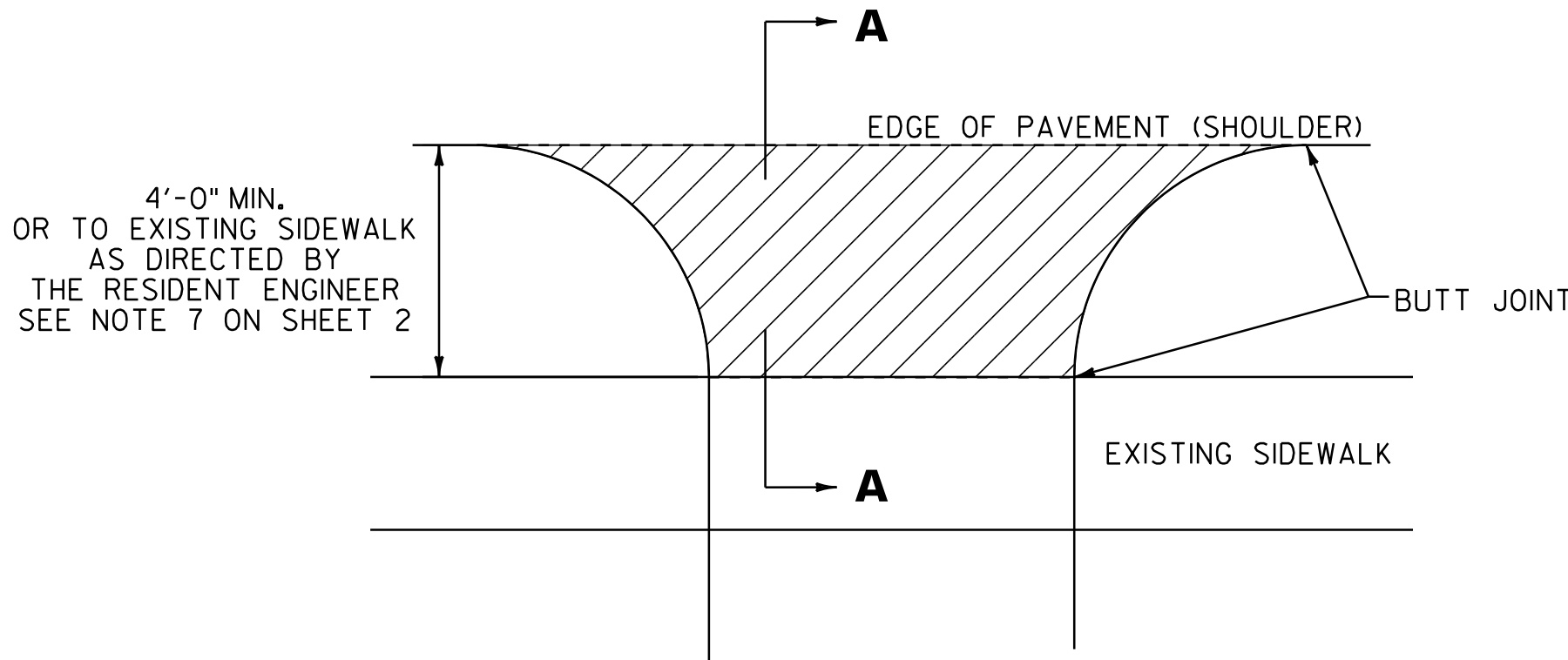
STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5 (CONT.)		
282+43	RT	16
282+87	RT	9
283+55	RT	36
284+32	RT	17
291+22	RT	23
294+01	RT	8
296+33	RT	10
300+74	RT	57
301+09	LT	6
302+28	RT	9
302+30	LT	84
303+85	RT	106
305+59	LT	11
310+98	LT	8
312+90	RT	22
315+51	RT	19
SUBTOTAL		441

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

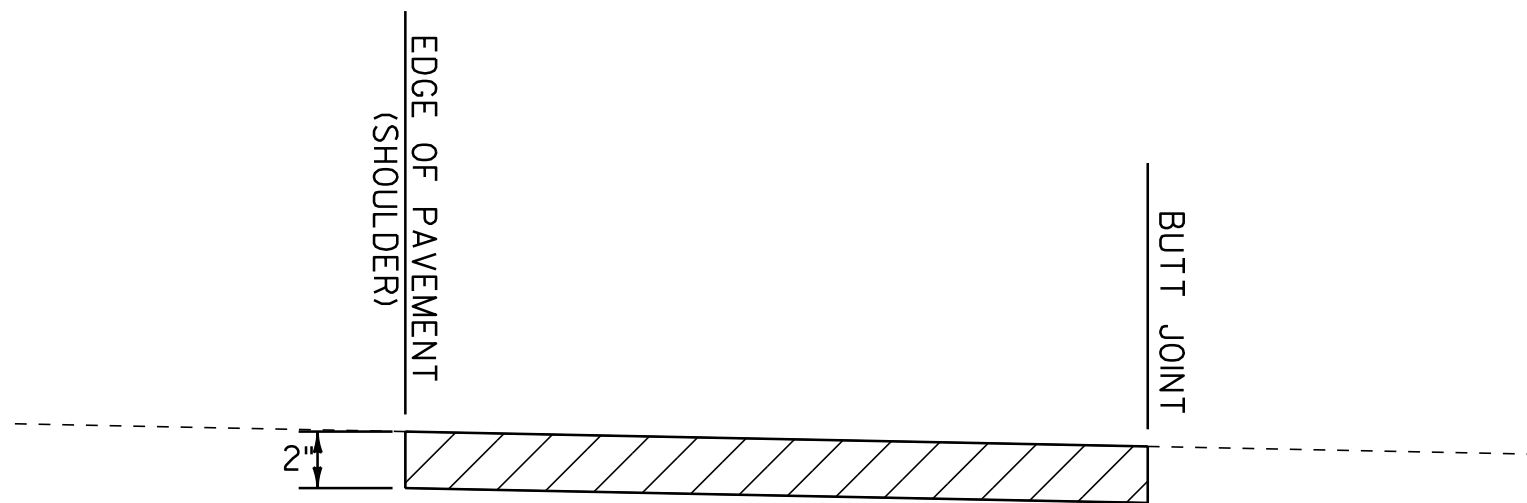
STATION	POSITION	QUANTITY (SY)
VT ROUTE 16 (CONT.)		
110+40	LT	4
110+83	LT	9
111+03	LT	5
111+66	RT	28
112+89	RT	29
113+54	LT	20
119+36	RT	59
121+06	RT	53
121+89	RT	14
SUBTOTAL		221

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

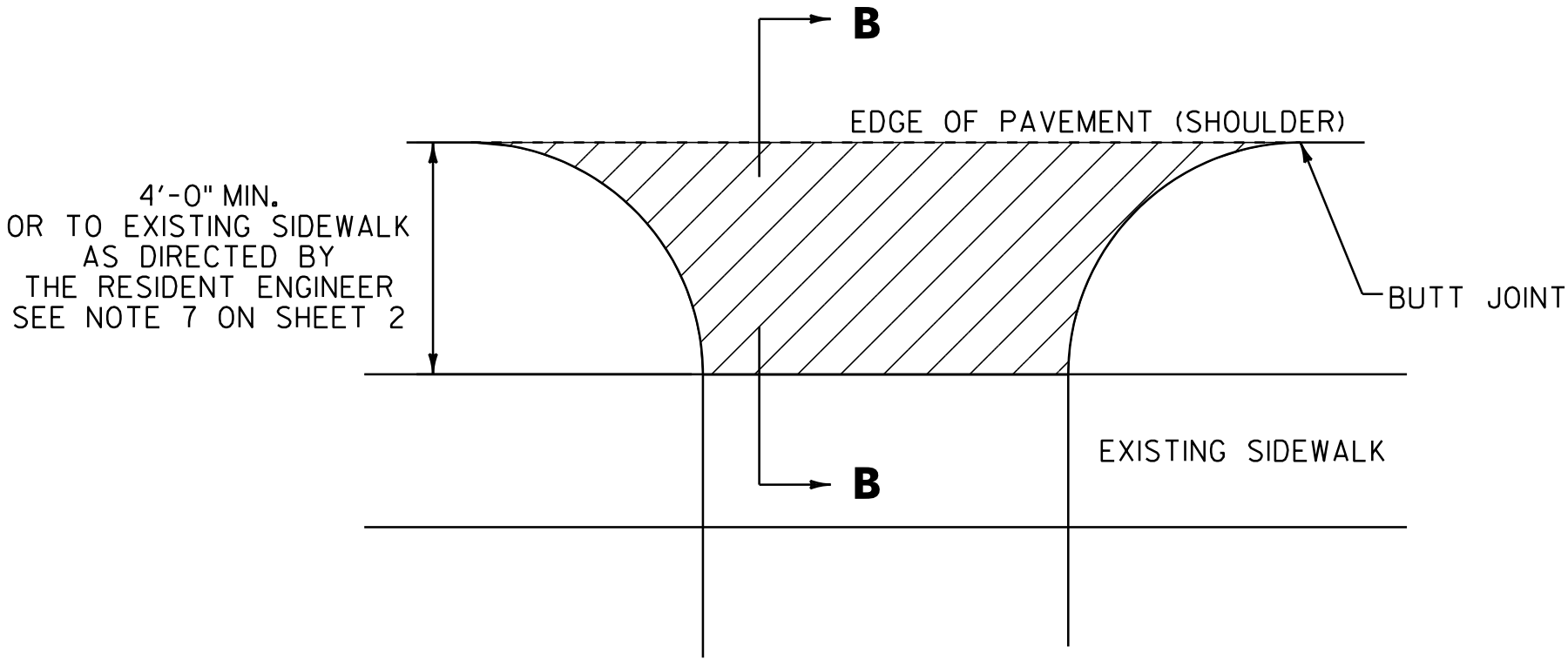


PLAN

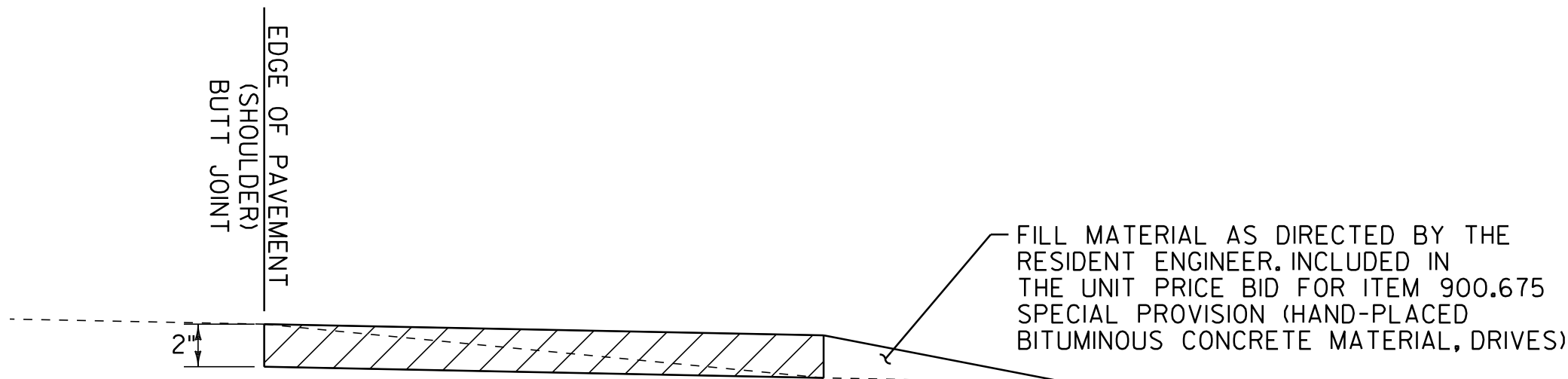


SECTION A-A

HANDWORK DETAILS FOR PAVED DRIVES



PLAN



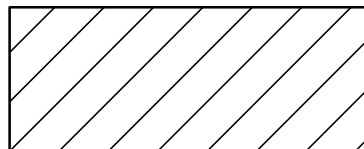
SECTION B-B

HANDWORK DETAILS FOR GRAVEL DRIVES

NOTES:

- PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 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).
- 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).
- 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

DRIVE
DETAIL
SHEET



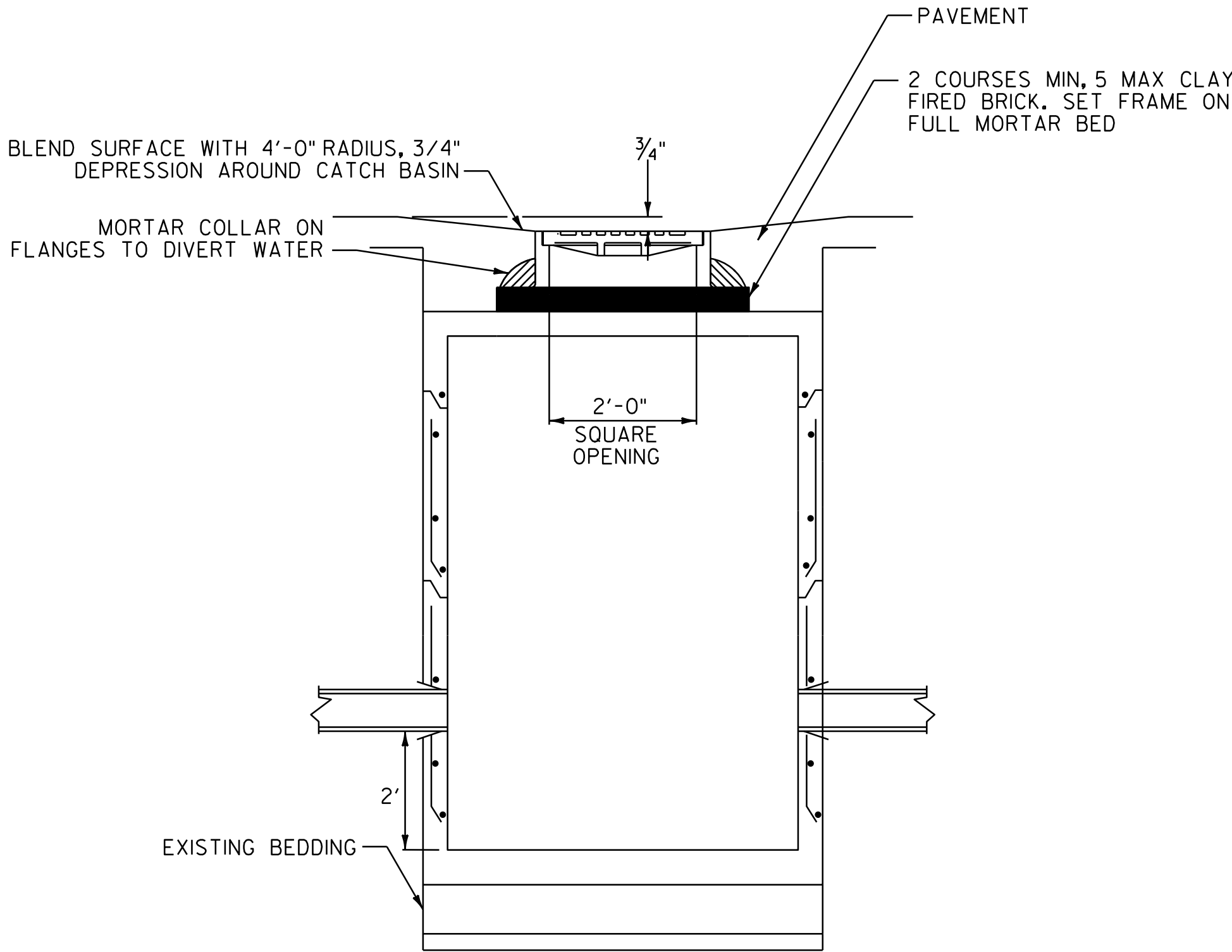
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

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



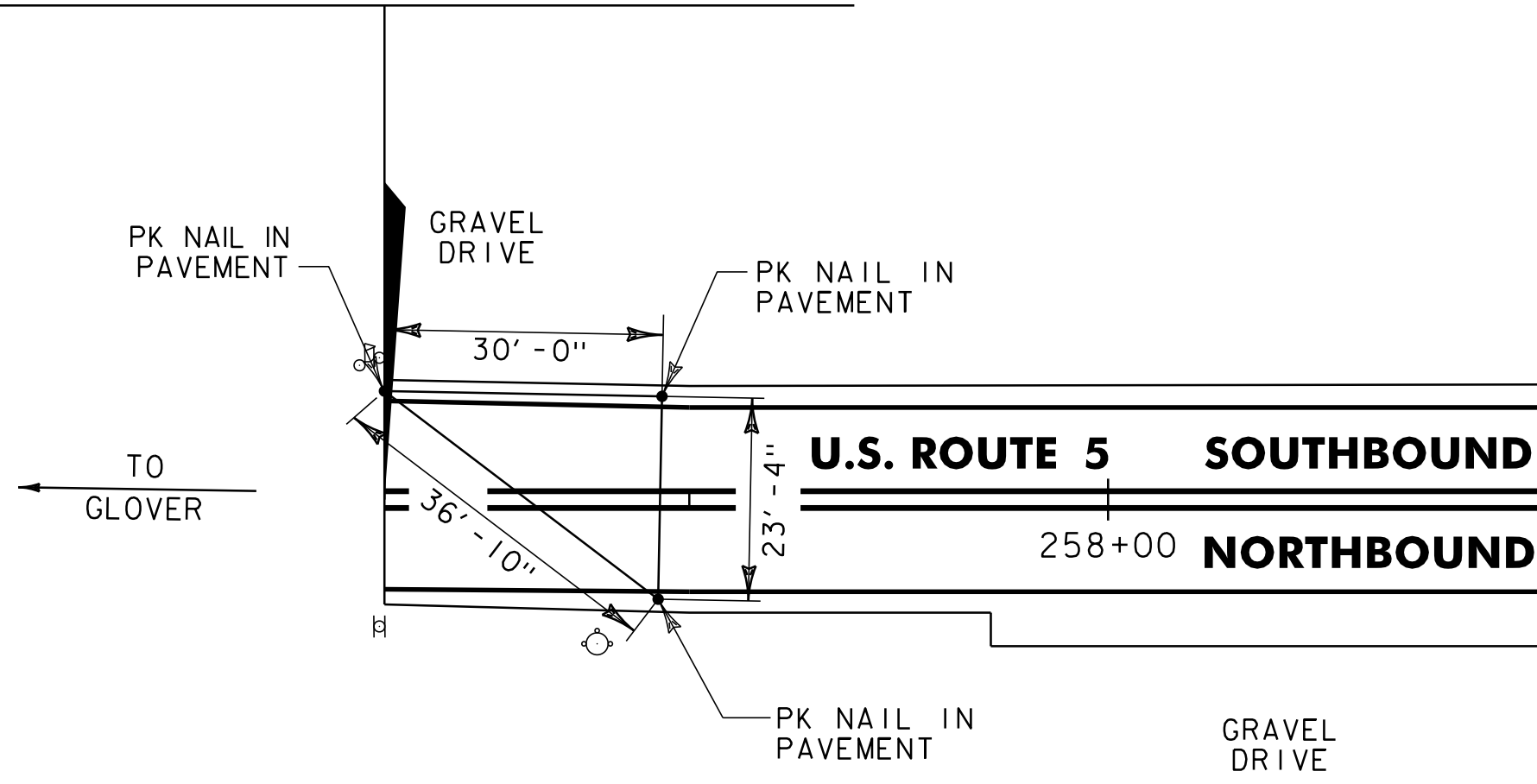
CULVERT & STRUCTURE INVENTORY SHEET

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192csd.i

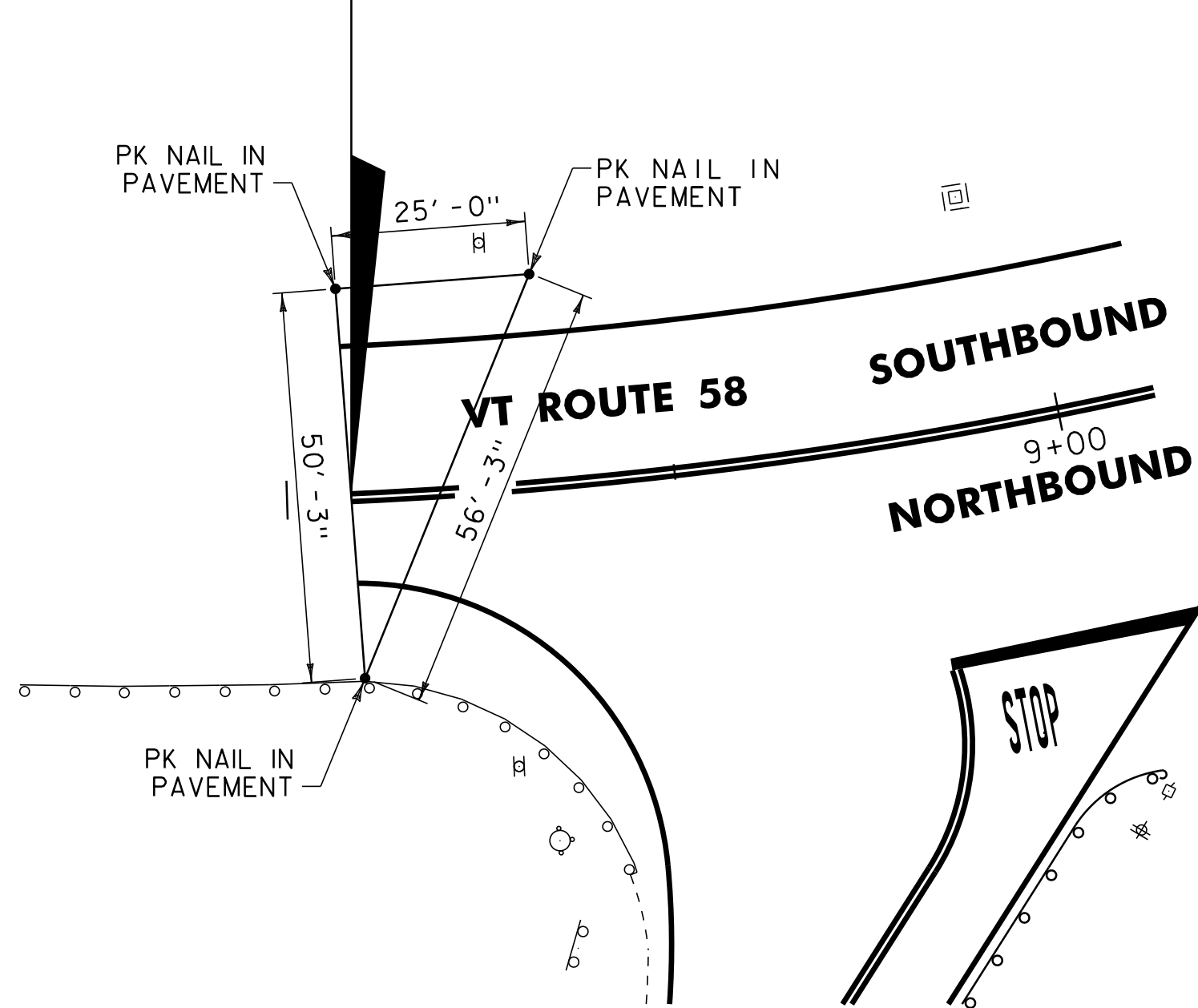
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 12 OF 75

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



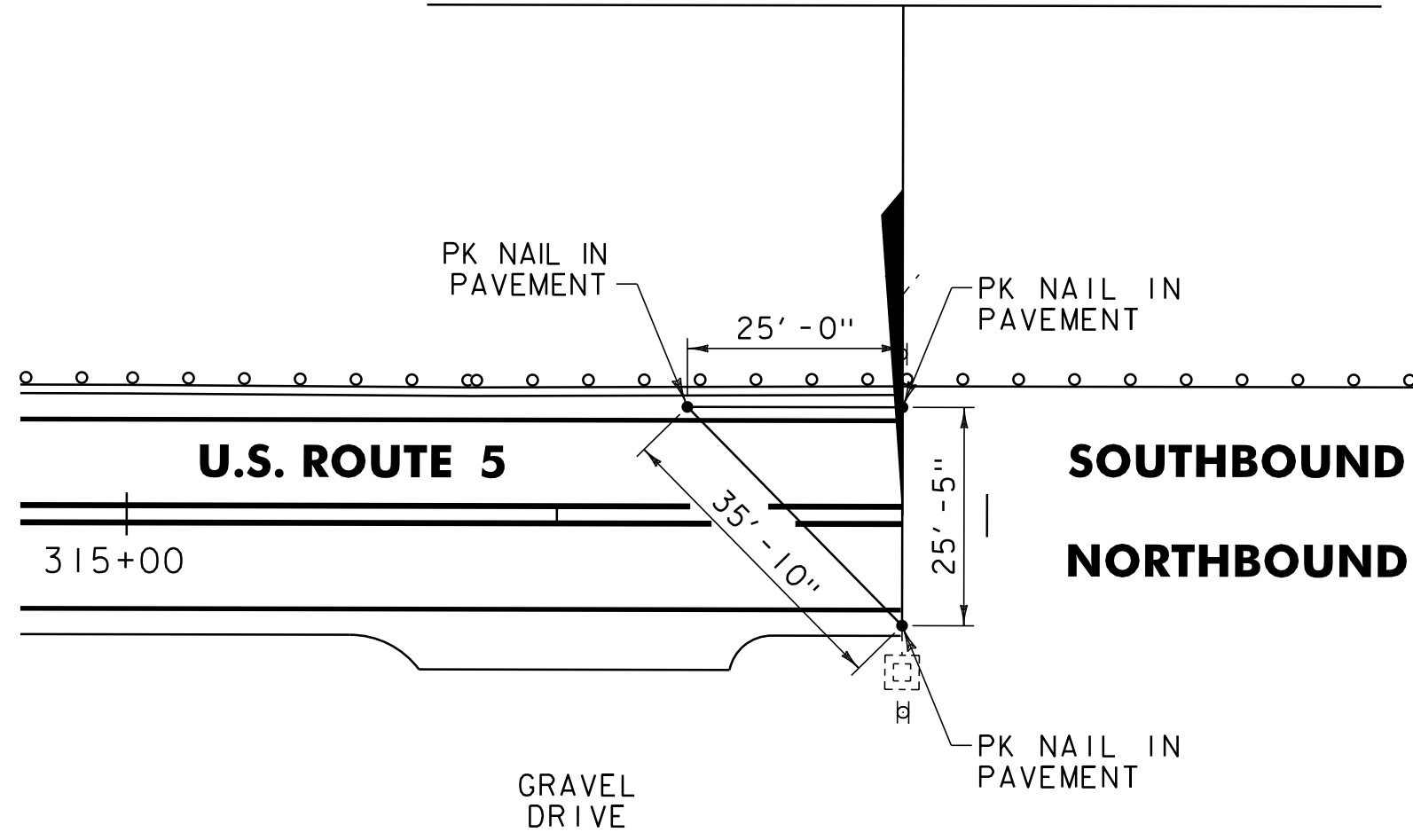
U.S. ROUTE 5 BEGIN PROJECT LOCATION TIES

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



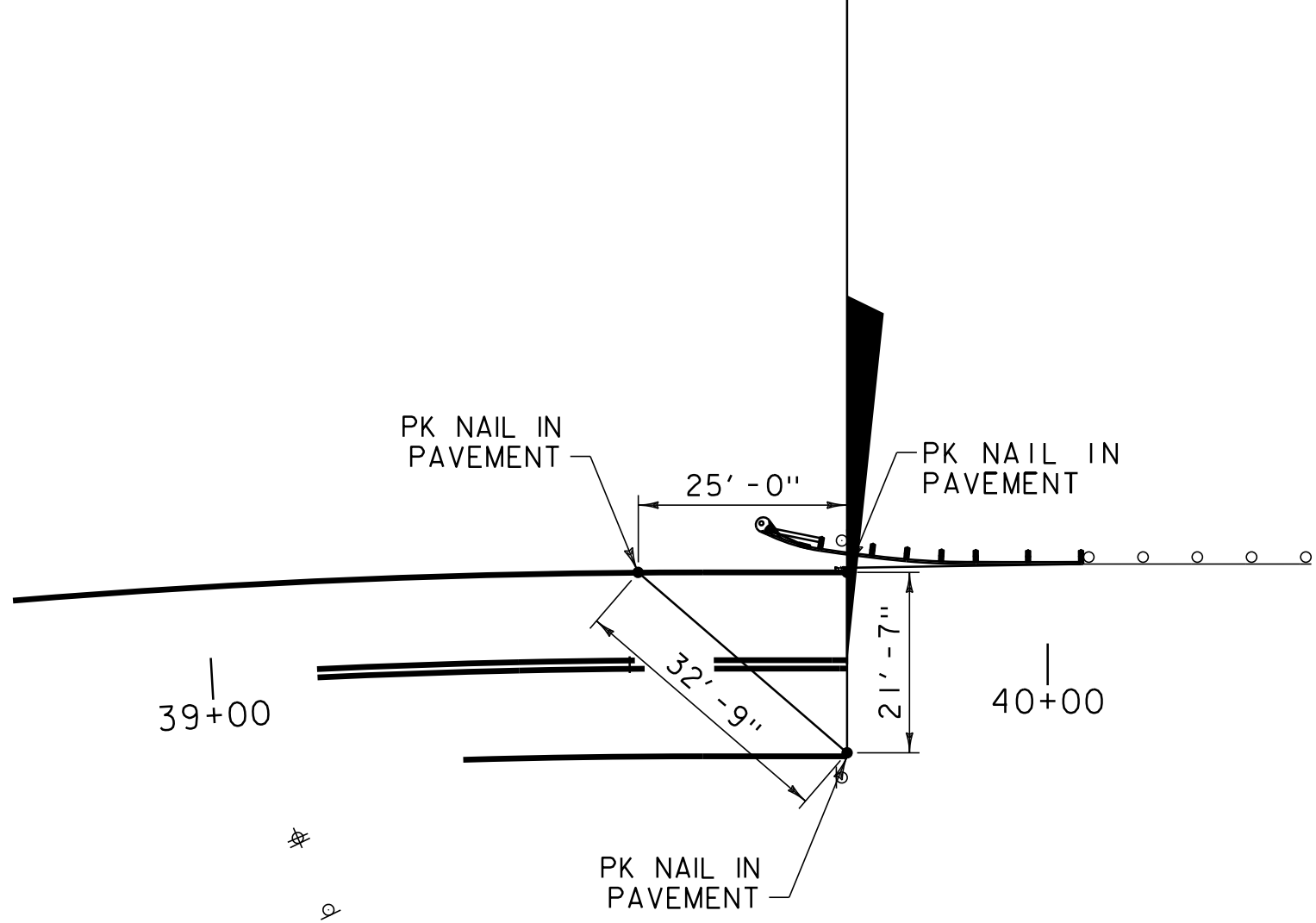
VT ROUTE 58 BEGIN PROJECT LOCATION TIES

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



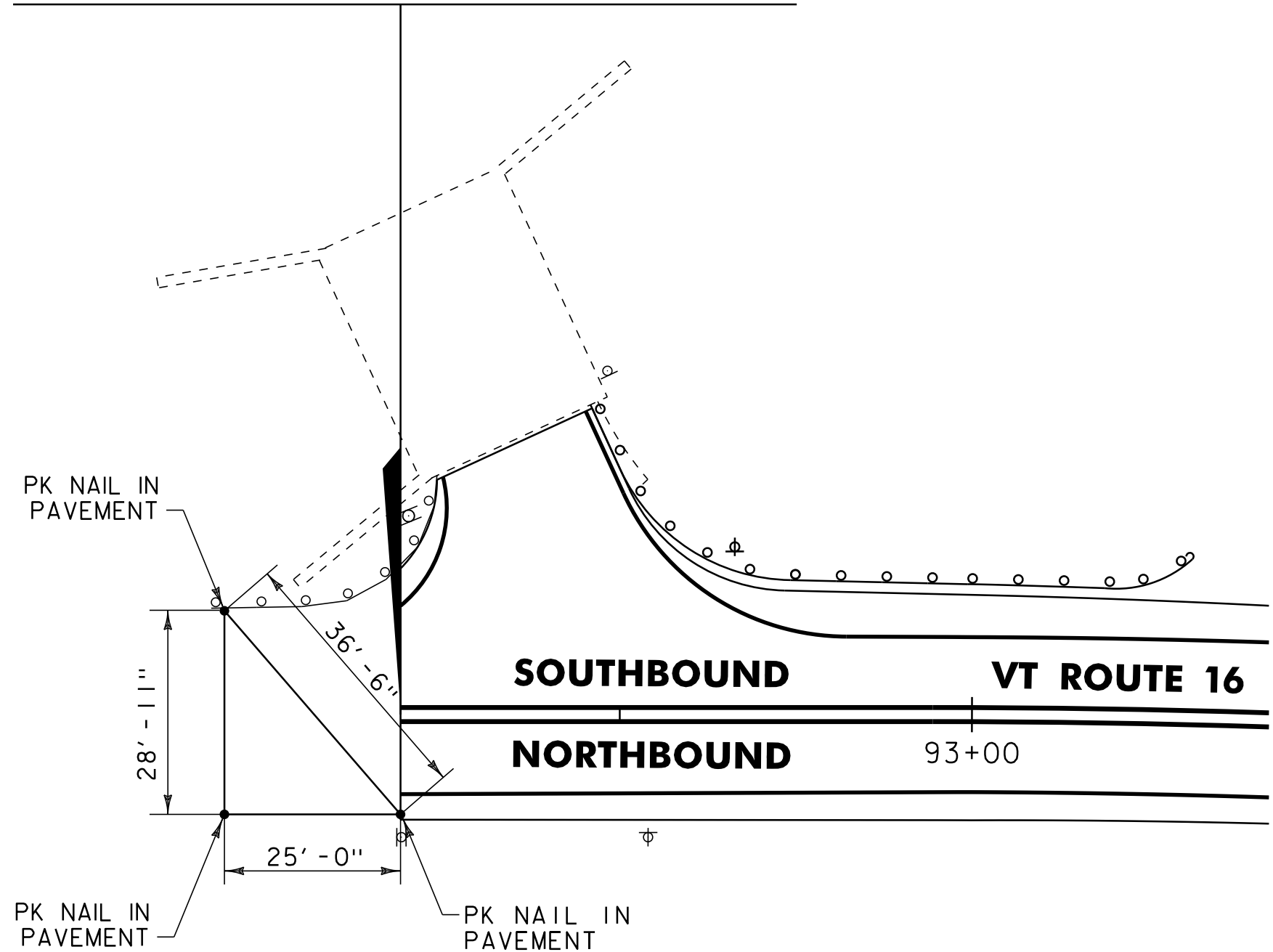
U.S. ROUTE 5 END PROJECT LOCATION TIES

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

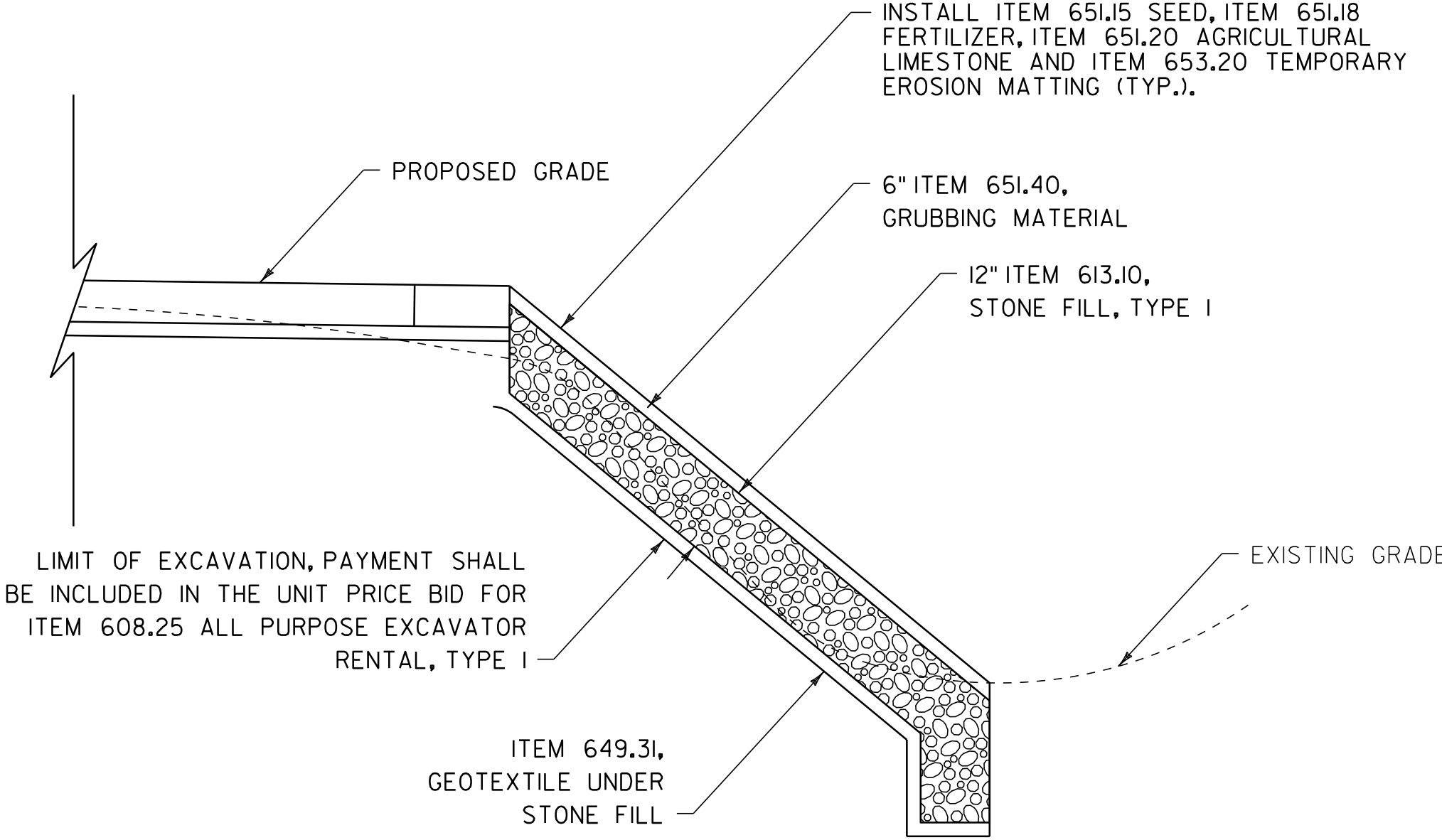


VT ROUTE 58 END PROJECT LOCATION TIES

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



VT ROUTE 16 BEGIN PROJECT LOCATION TIES



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')

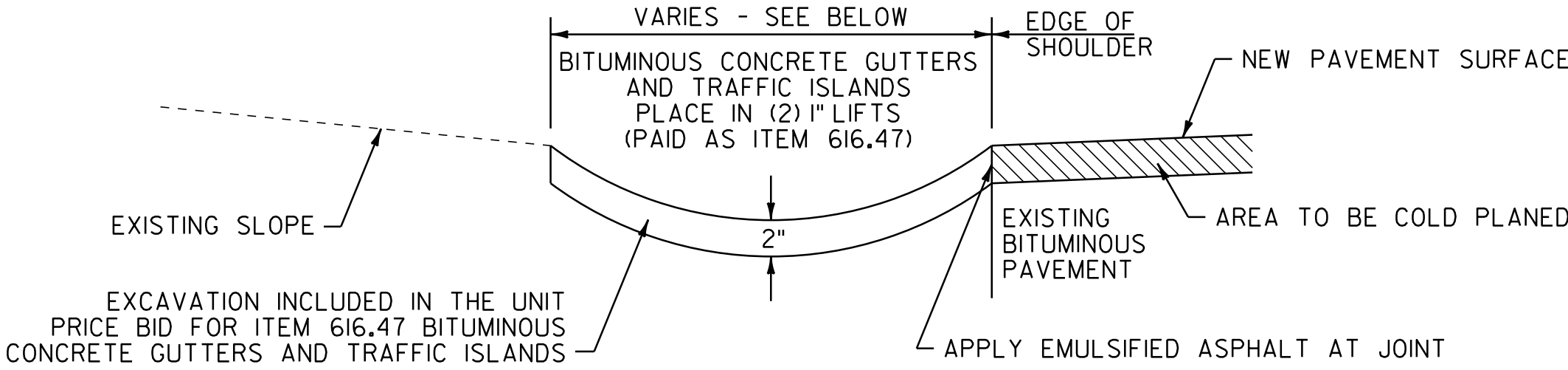
NOT TO SCALE

MISCELLANEOUS
DETAIL
SHEET #1

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

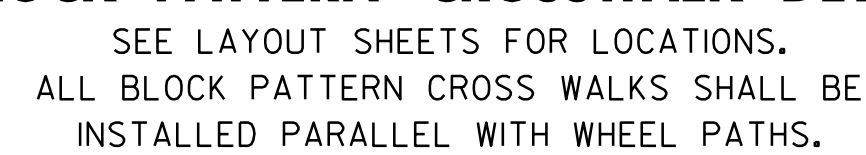
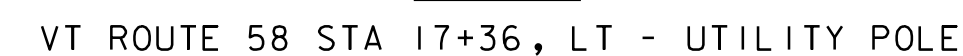
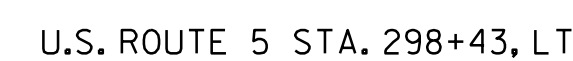
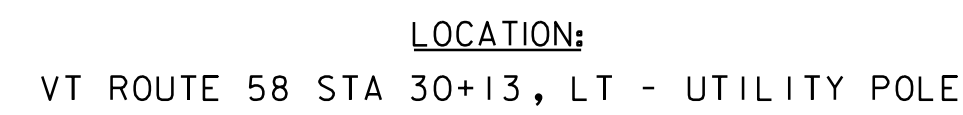
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192md01.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 13 OF 75



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



PLOT DATE: 30-OCT-2013 17:0
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SHEET 14 OF 75

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

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

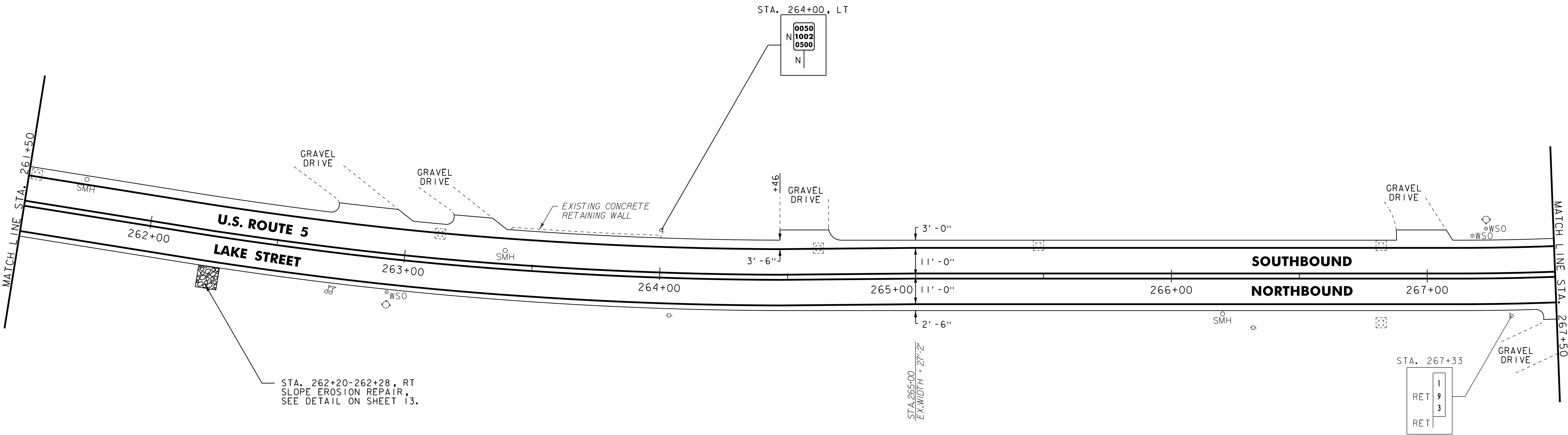
CHANGING ELEVATION OF SEWER MANHOLES
STA. 261+73, LT
STA. 263+39, LT

DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 261+50 TO 267+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C 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
RADI FOR SIDE ROADS)
STA. 261+50 TO 267+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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



**PROJECT
LAYOUT
SHEET #2**

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192102.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

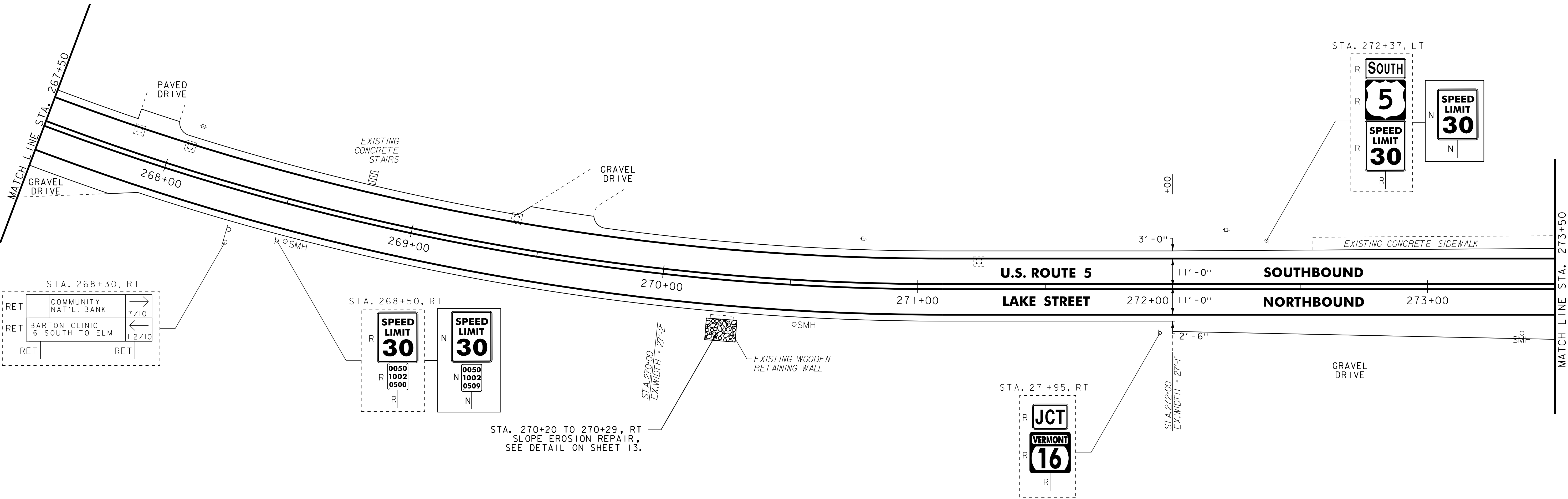
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 267+50 TO 273+50, SOLID LT & RT

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

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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

PROJECT
LAYOUT
SHEET #3

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192103.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 75



REHAB, Dis, CBs OR MHS, CLASS 1 OR 11
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
RADI 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 C 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
RADI 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)

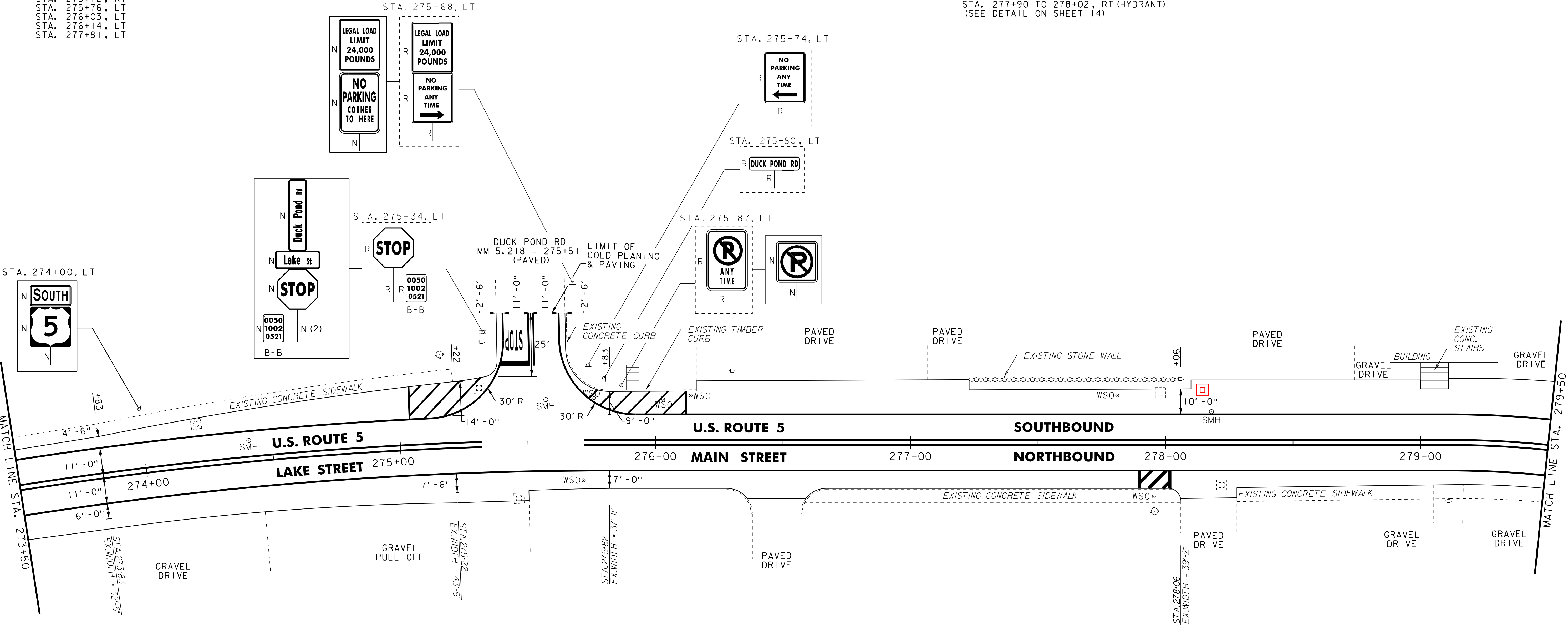
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 273+50 TO 279+50, SOLID LT & RT
STA. 275+51, DOUBLE SOLID LT (DUCK POND RD)

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

PROJECT
LAYOUT
SHEET #4



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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192104.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 C BREAKS FOR SIDE ROADS)
STA. 279+50 TO 283+50, SOLID LT & RT

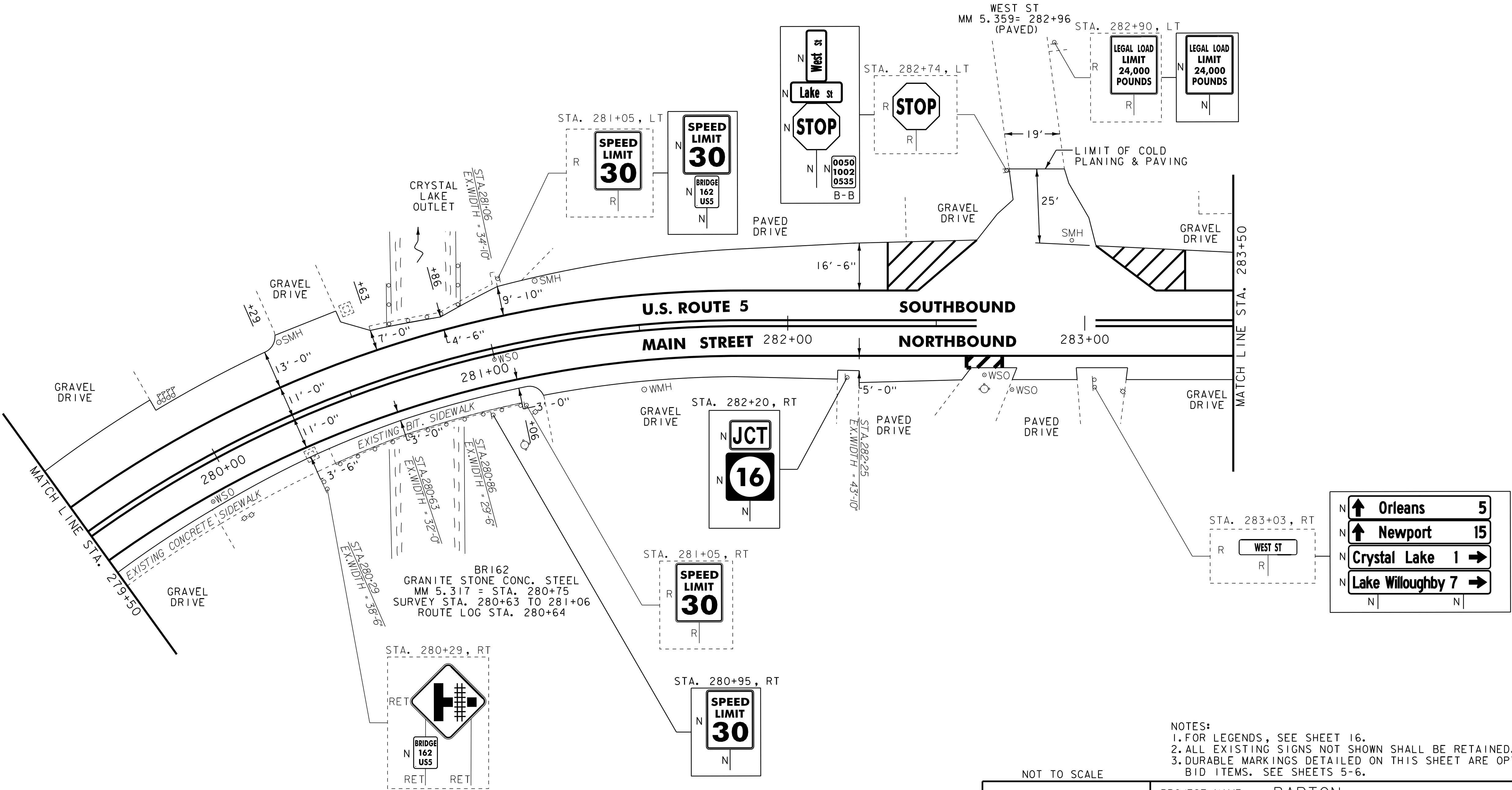
DURABLE 8 INCH WHITE LINE
STA. 282+60 TO 282+72, RT (HYDRANT)
(SEE DETAIL ON SHEET 14)

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 C 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.



PROJECT
LAYOUT
SHEET #5

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192105.i

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

REHAB, Dis, CBs OR MHS, CLASS 1 OR 11
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
RADI 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 C 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
RADI 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 C BREAKS FOR SIDE ROADS)
STA. 283+50 TO 289+50, SOLID LT & RT
STA. 285+12, DOUBLE SOLID RT (EASTERN AVE)

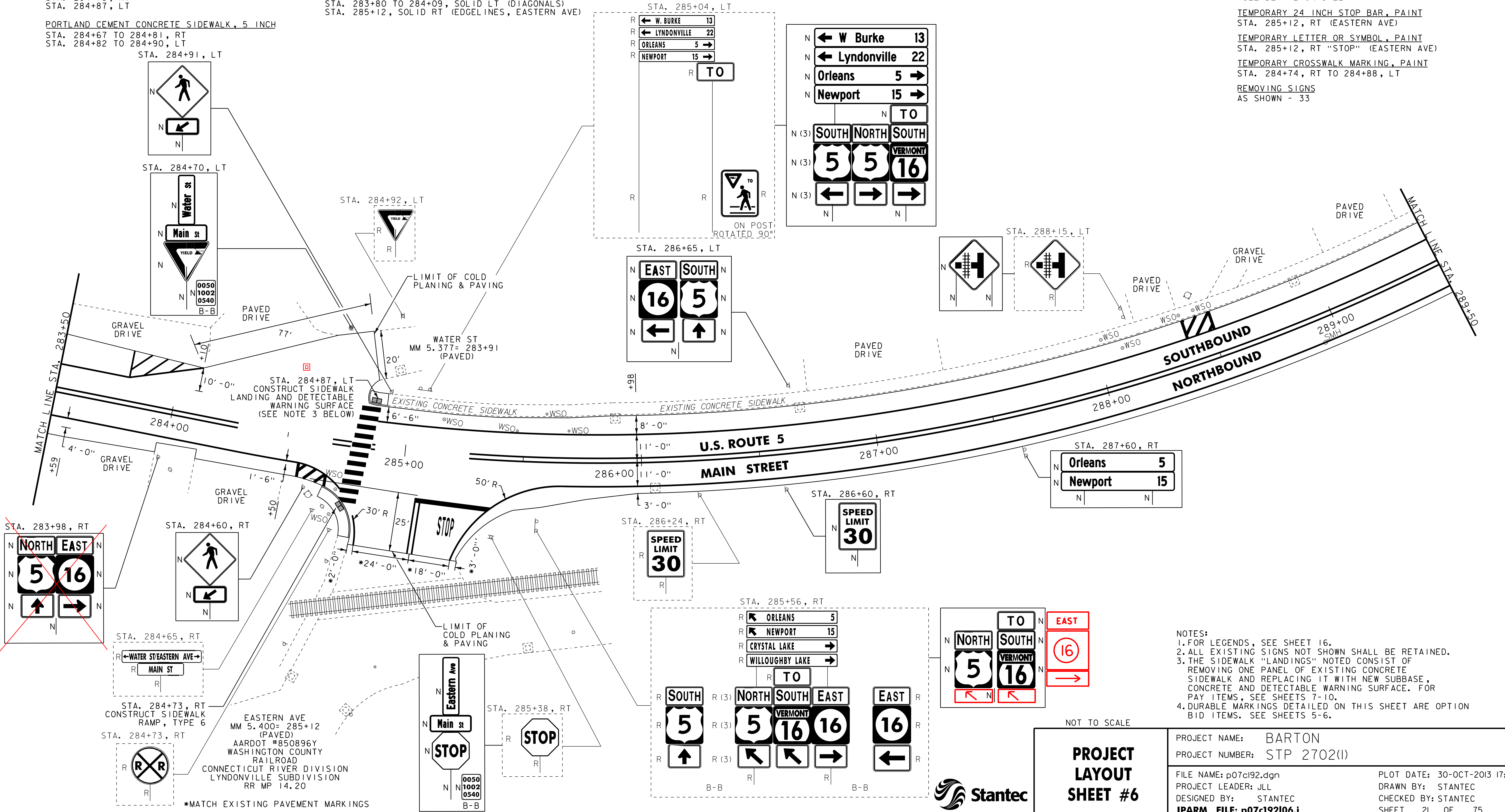
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 284+56 TO 284+68, RT (HYDRANT)
STA. 288+39 TO 288+51, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

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



REHAB, Dis, CBs OR MHS, CLASS 1 OR 11
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 C 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

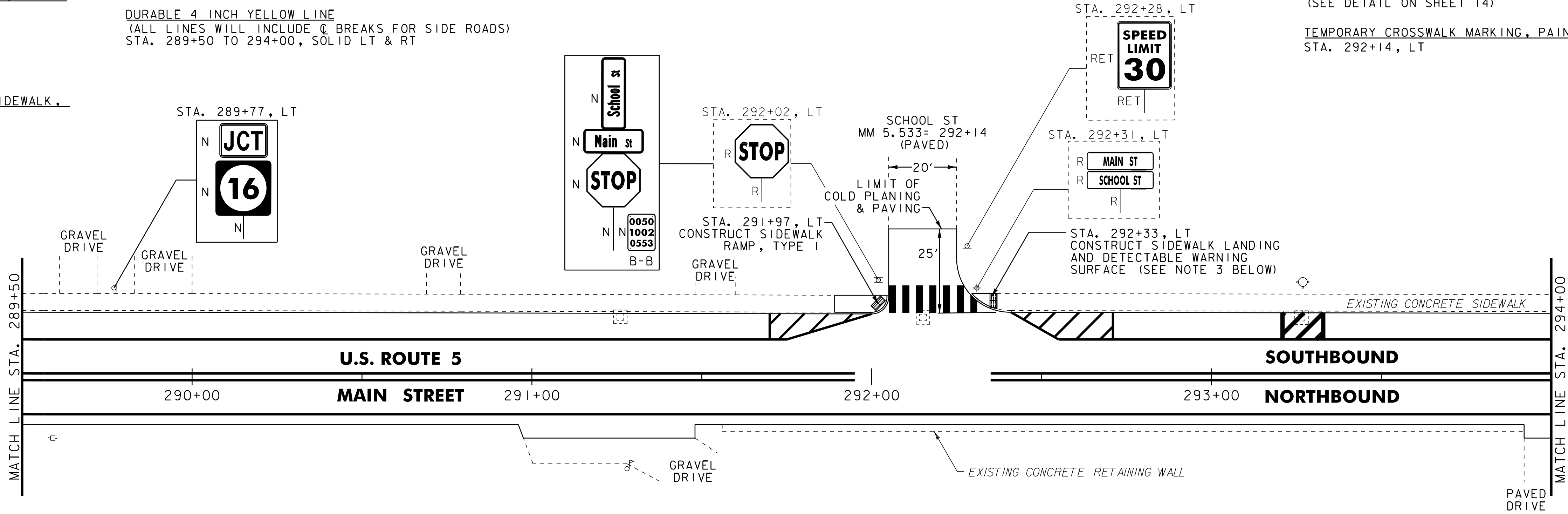
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 289+50 TO 294+00, SOLID LT & RT
STA. 291+70 TO 292+00, SOLID LT (DIAGONALS)
STA. 292+41 TO 292+71, SOLID LT (DIAGONALS)

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

REMOVING SIGNS
AS SHOWN - 3

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



REHAB, Dis, CBs OR MHS, CLASS 1 OR 11
STA. 294+05, LT
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 C 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

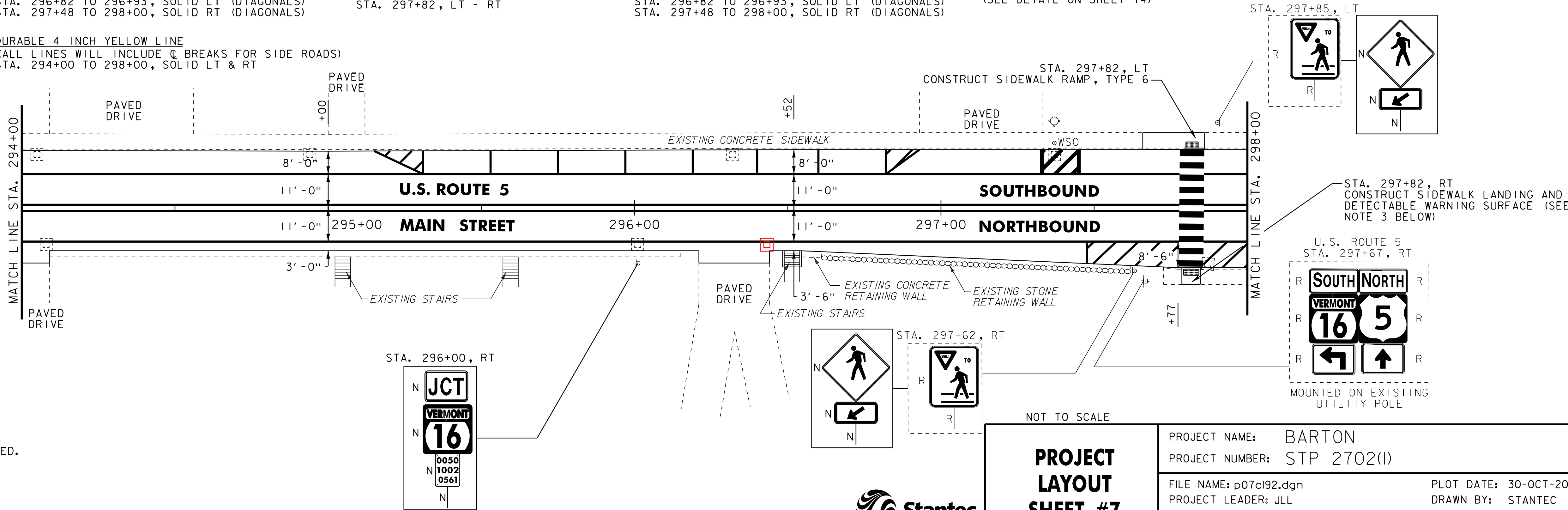
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)
STA. 294+00 TO 298+00, SOLID LT & RT
STA. 295+15 TO 295+31, SOLID LT (DIAGONALS)
STA. 295+31 TO 296+82, SOLID LT (PARKING)
STA. 296+82 TO 296+93, SOLID LT (DIAGONALS)
STA. 297+48 TO 298+00, SOLID RT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

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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.



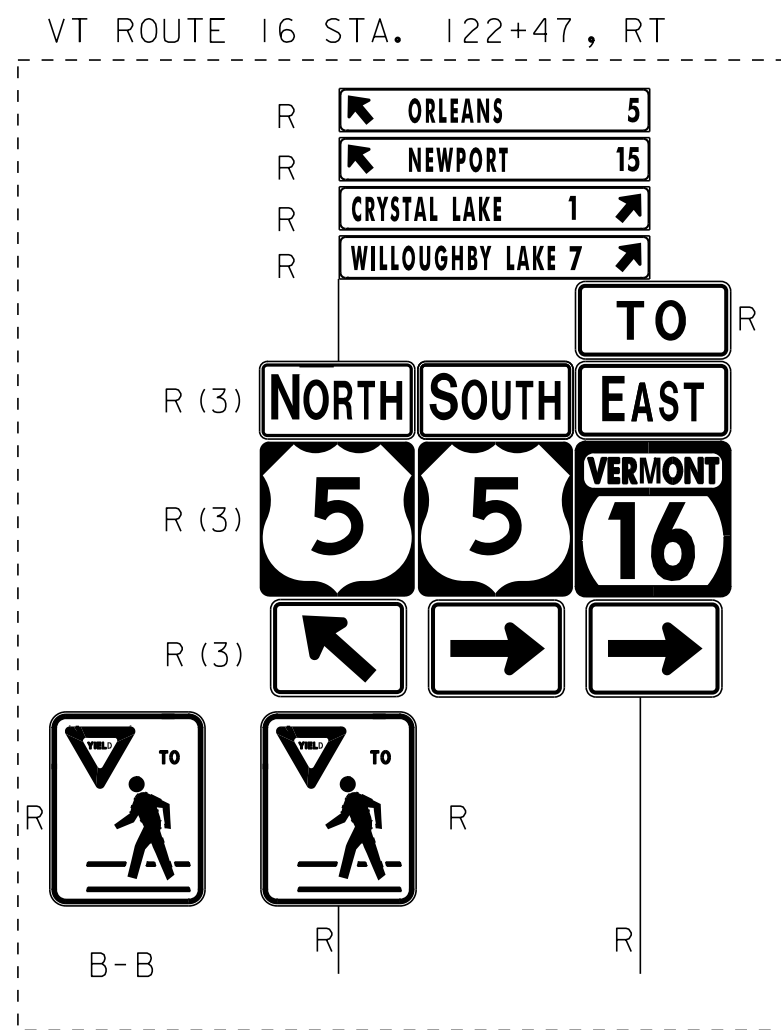
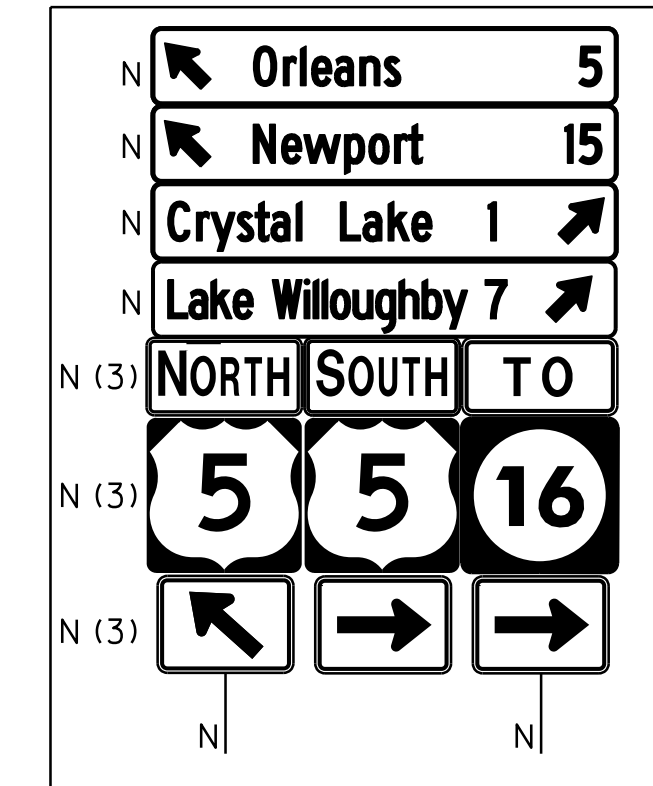
PROJECT
LAYOUT
SHEET #7

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

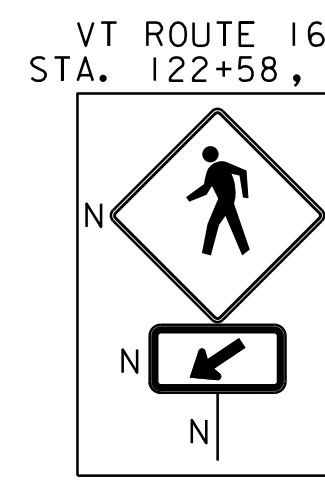
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192107.i

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

VT ROUTE 16 STA. 122+41, RT

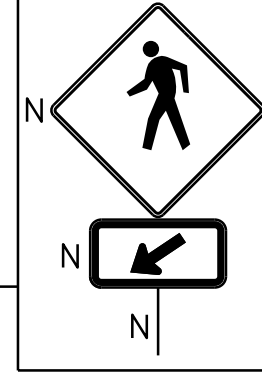


SENIOR CENTER CONC. ENTRANCE



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

VT ROUTE 16 STA. 122+71, LT

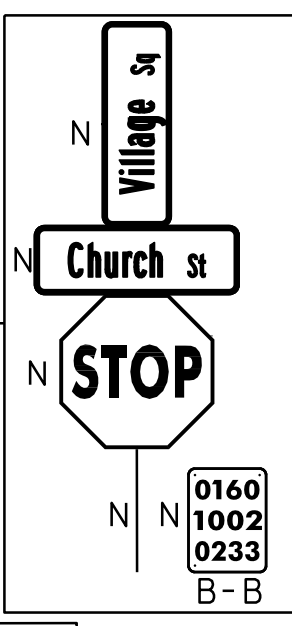
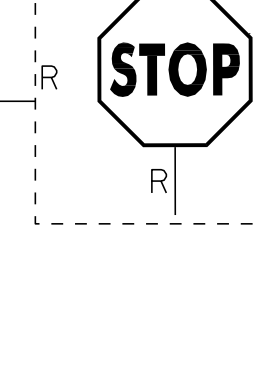


END STP 2702(1) VT ROUTE 16 STA. 124+44.96 = MM 2.357

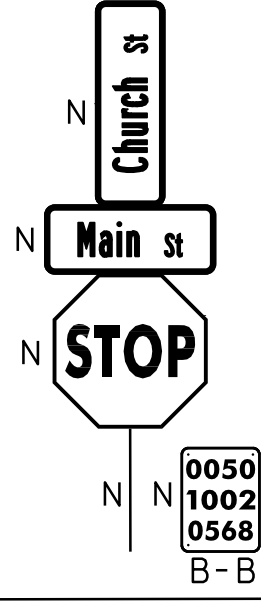
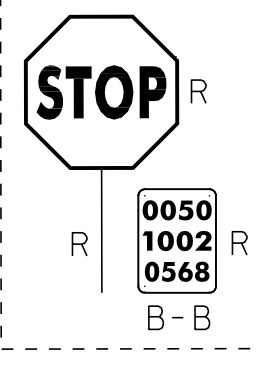
VT ROUTE 16 STA. 123+03, LT



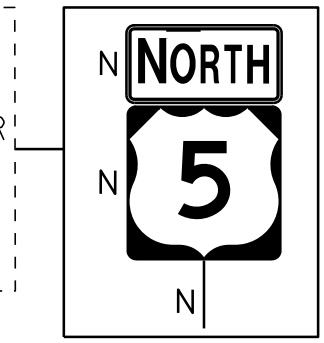
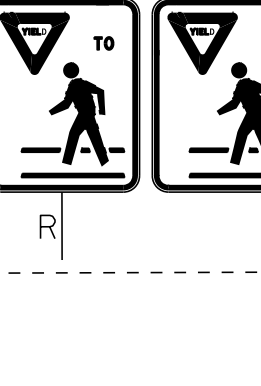
VT ROUTE 16 STA. 123+26, RT



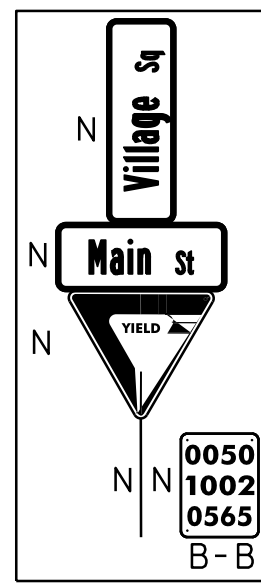
VT ROUTE 16 STA. 124+05, RT



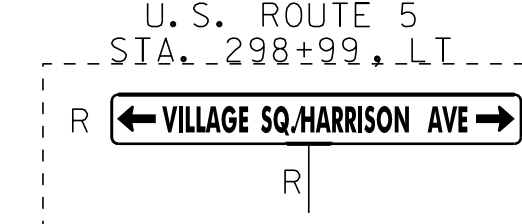
U.S. ROUTE 5 STA. 301+90, RT



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



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



MATCH LINE STA. 298+00

U.S. ROUTE 5 MAIN STREET SOUTHBOUND NORTHBOUND

VILLAGE SQ MM 5.652 = 298+43 (PAVED)

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+51, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+84, RT

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

STA. 298+88, RT CONSTRUCT SIDEWALK RAMP, TYPE 1

- 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.



PROJECT LAYOUT SHEET #8A

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192108A.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
RADI I 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 C 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
RADI I 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 C 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

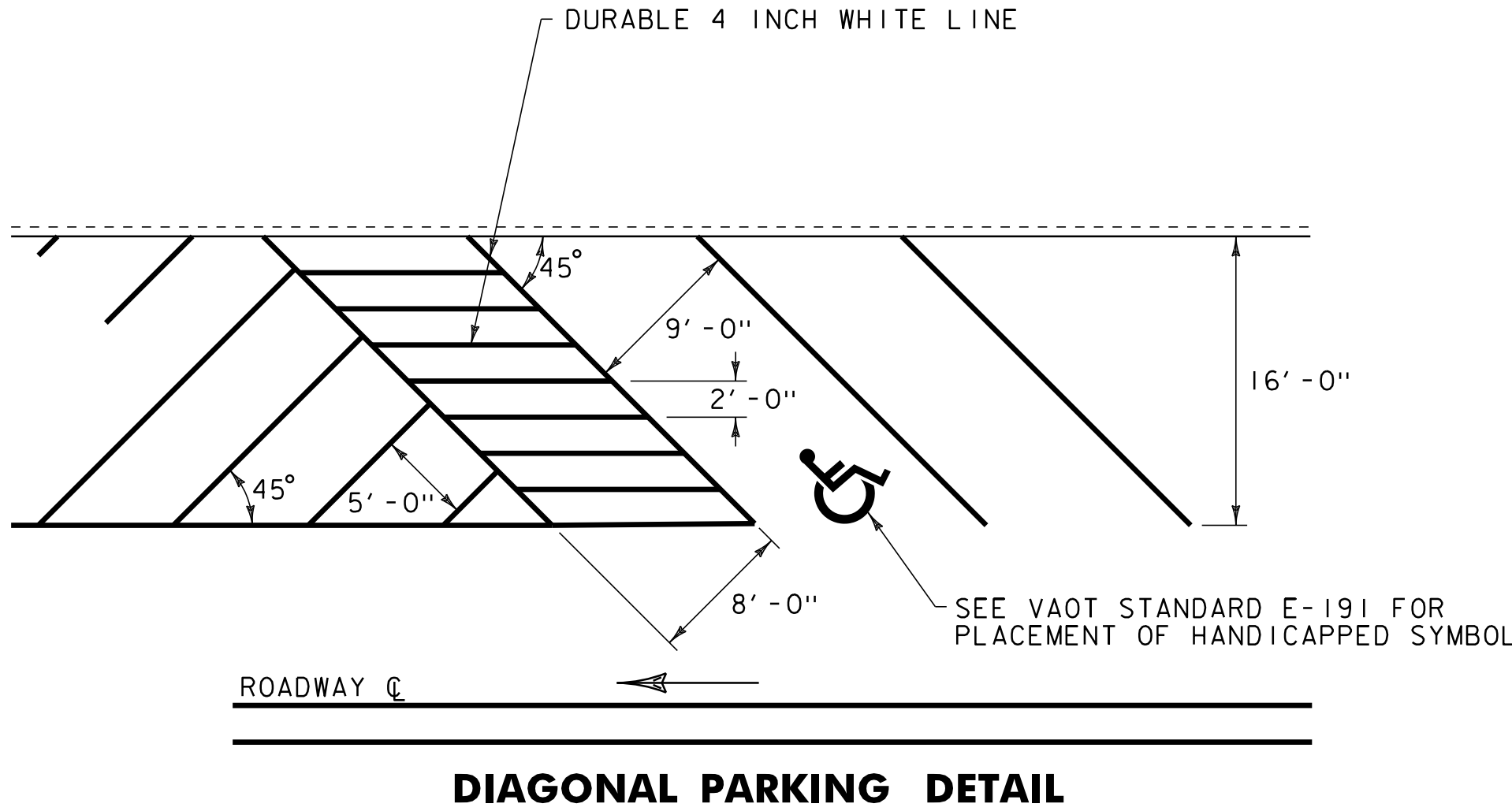
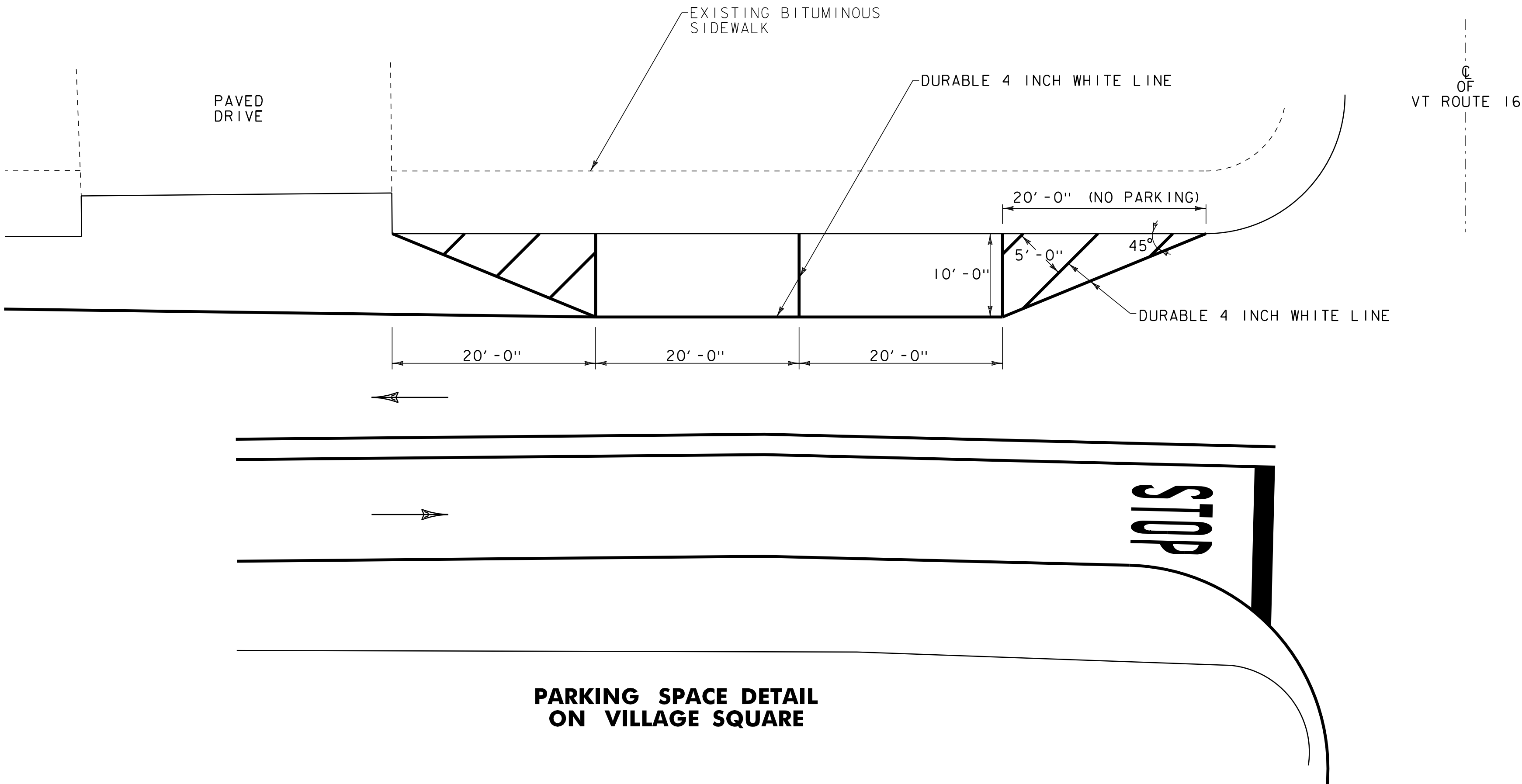
TEMPORARY 8 INCH WHITE LINE, PAINT
U.S. ROUTE 5
STA. 299+77 TO 299+89, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

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



NOT TO SCALE

PROJECT
LAYOUT
SHEET #8B

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192108B.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 304+25 LT
STA. 303+62, RT
STA. 305+02, RT
STA. 305+51, LT
STA. 306+15, RT

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
RADI FOR SIDE ROADS)
STA. 302+50 TO 306+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C 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
RADI FOR SIDE ROADS)
STA. 302+50 TO 306+50, SOLID LT & RT

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

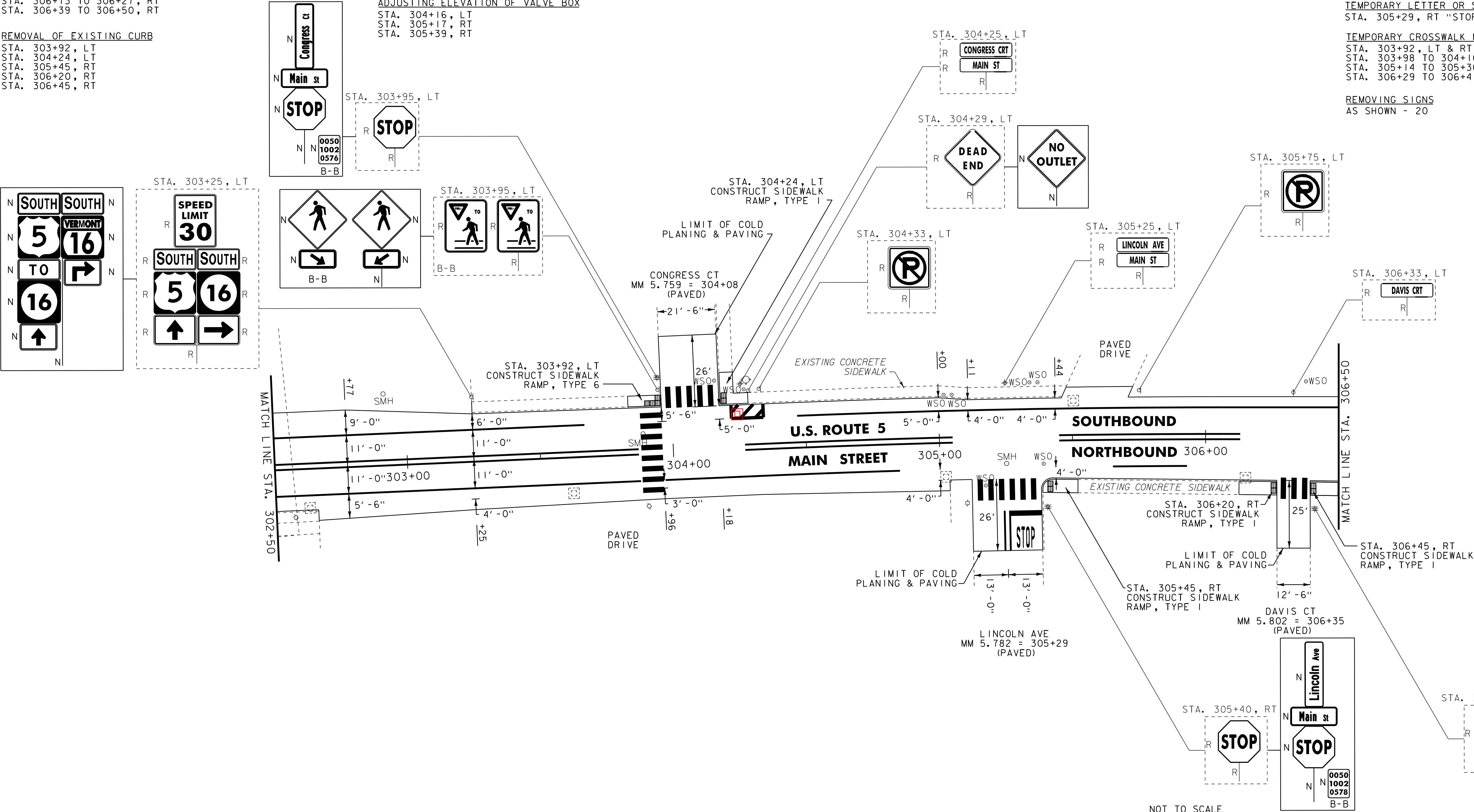
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 304+22 TO 304+34, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

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



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.



PROJECT
LAYOUT
SHEET #9

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192I09.i

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

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

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

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE 6 BREAKS FOR SIDE ROADS)
STA. 92+18.88 TO 95+50, SOLID LT & RT
STA. 92+56, DOUBLE SOLID LT (ROARING BROOK ROAD)

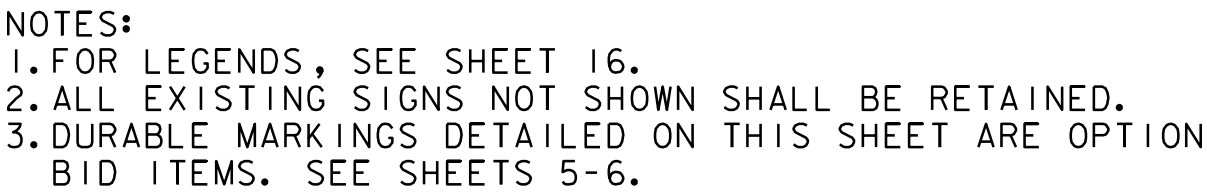
DURABLE LETTER OR SYMBOL
STA. 92+56, LT "STOP" (ROARING BROOK ROAD)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE 6' BREAKS FOR SIDE ROADS)
STA. 92+18.88 TO 95+50, SOLID LT & RT
STA. 92+56, DOUBLE SOLID 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



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: p07c19211.i

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



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

REHAB D/C CLASS I
STA 98+25 LT
STA 99+95 LT

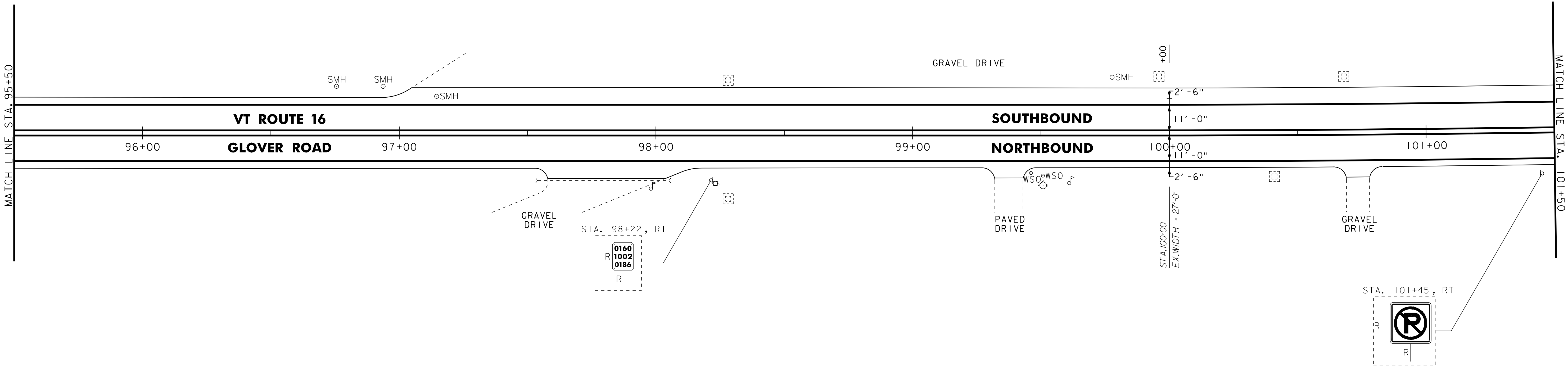
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 95+50 TO 101+50, SOLID LT & RT

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

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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



PROJECT
LAYOUT
SHEET #12

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192112.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

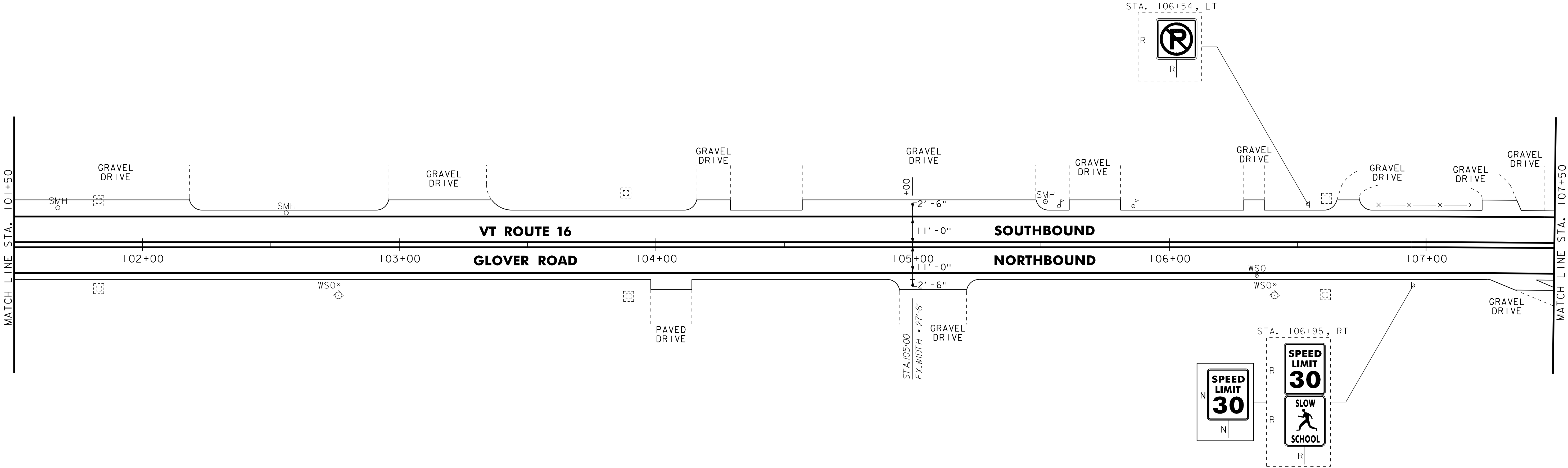
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 101+50 TO 107+50, SOLID LT & RT

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



PROJECT
LAYOUT
SHEET #13

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192113.i

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

STA. 108+63, LT
STA. 109+57, LT

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

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE 6' BREAKS FOR SIDE ROADS)
STA. 107+50 TO 113+50, SOLID LT & RT

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

REHAB. DIS. CBS OR MHS, CLASS 1 OR 11
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
RADI FOR SIDE ROADS)
STA. 113+50 TO 117+50, SOLID LT & RT
STA. 114+79, SOLID LT (EDGE LINES, ELM ST)
STA. 114+95, SOLID RT (EDGE LINES, WATER ST)

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

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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)

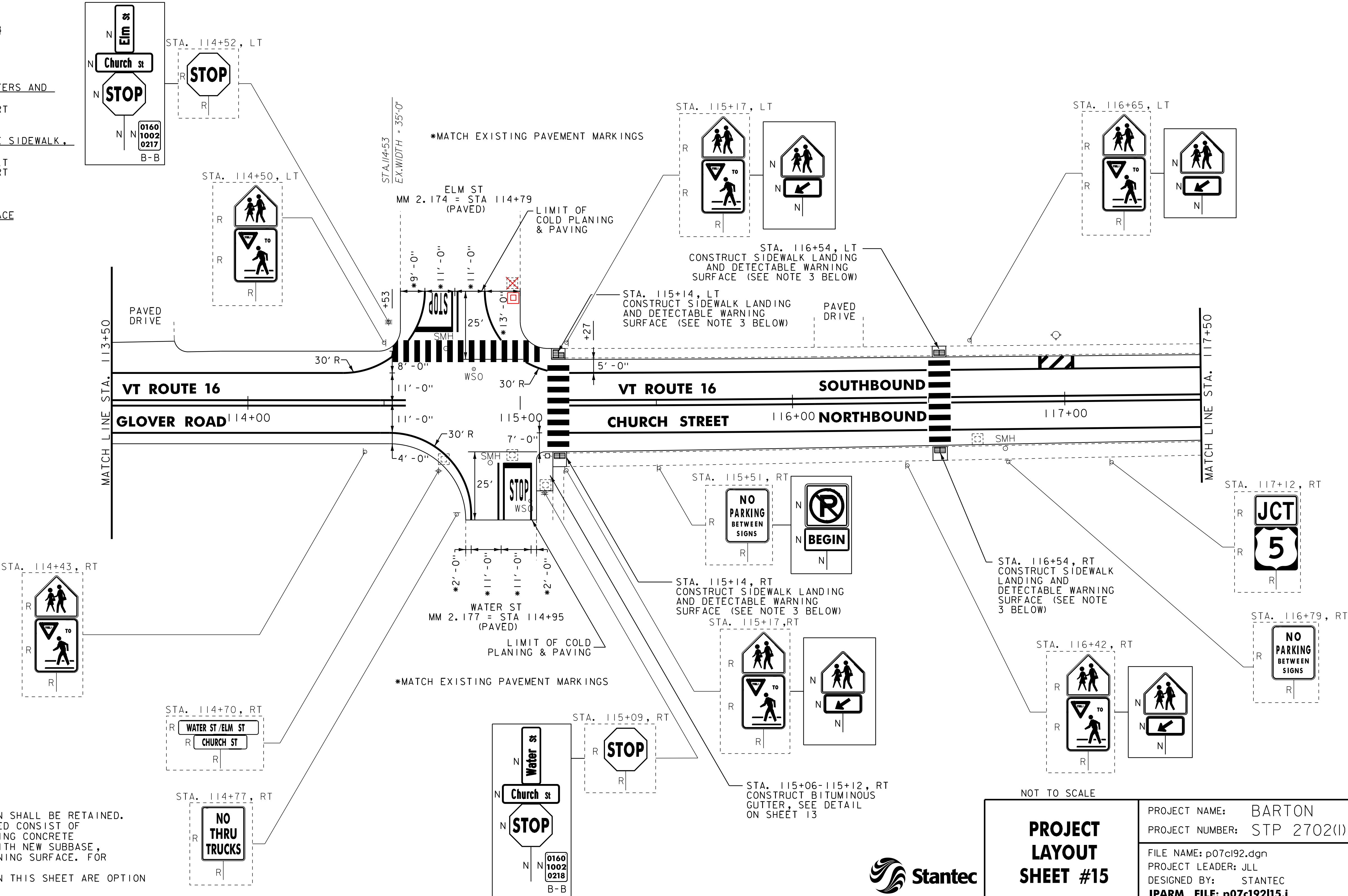
TEMPORARY 8 INCH WHITE LINE, PAINT
STA. 116+91 TO 117+03, LT (HYDRANT)
(SEE DETAIL ON SHEET 14)

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.



PROJECT
LAYOUT
SHEET #15

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192115.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 31 OF 75

REHAB. Dis. CBs OR MHS, CLASS 1 OR 11
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 C BREAKS FOR SIDE ROADS)
STA. 117+50 TO 122+00, SOLID LT & RT

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

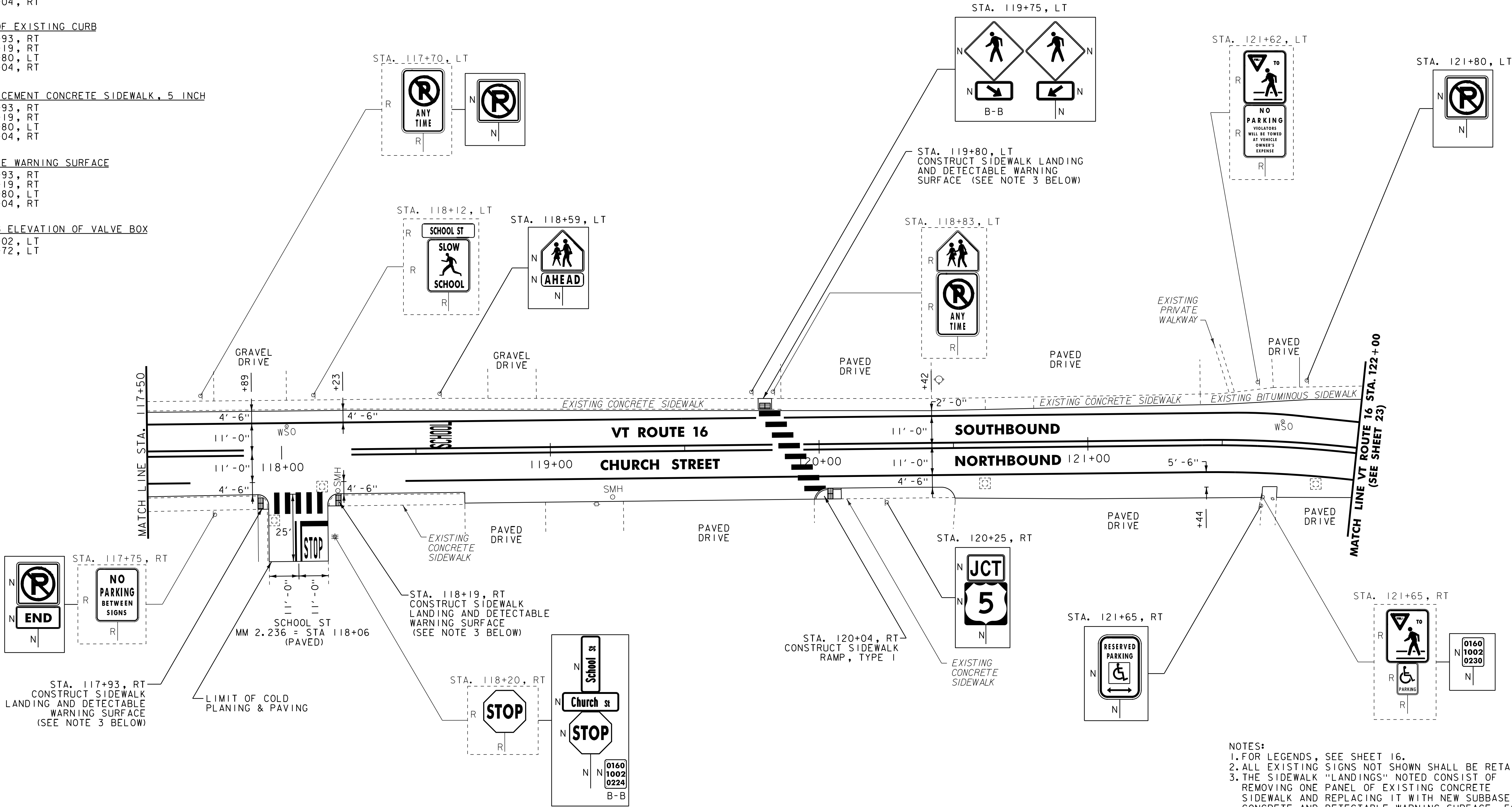
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 117+50 TO 122+00, SOLID LT & RT
STA. 118+06, DOUBLE SOLID RT (SCHOOL ST)

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

**PROJECT
LAYOUT
SHEET #16**



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

FILE NAME: p07c192.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, LT
STA. 10+83, LT

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

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C 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)

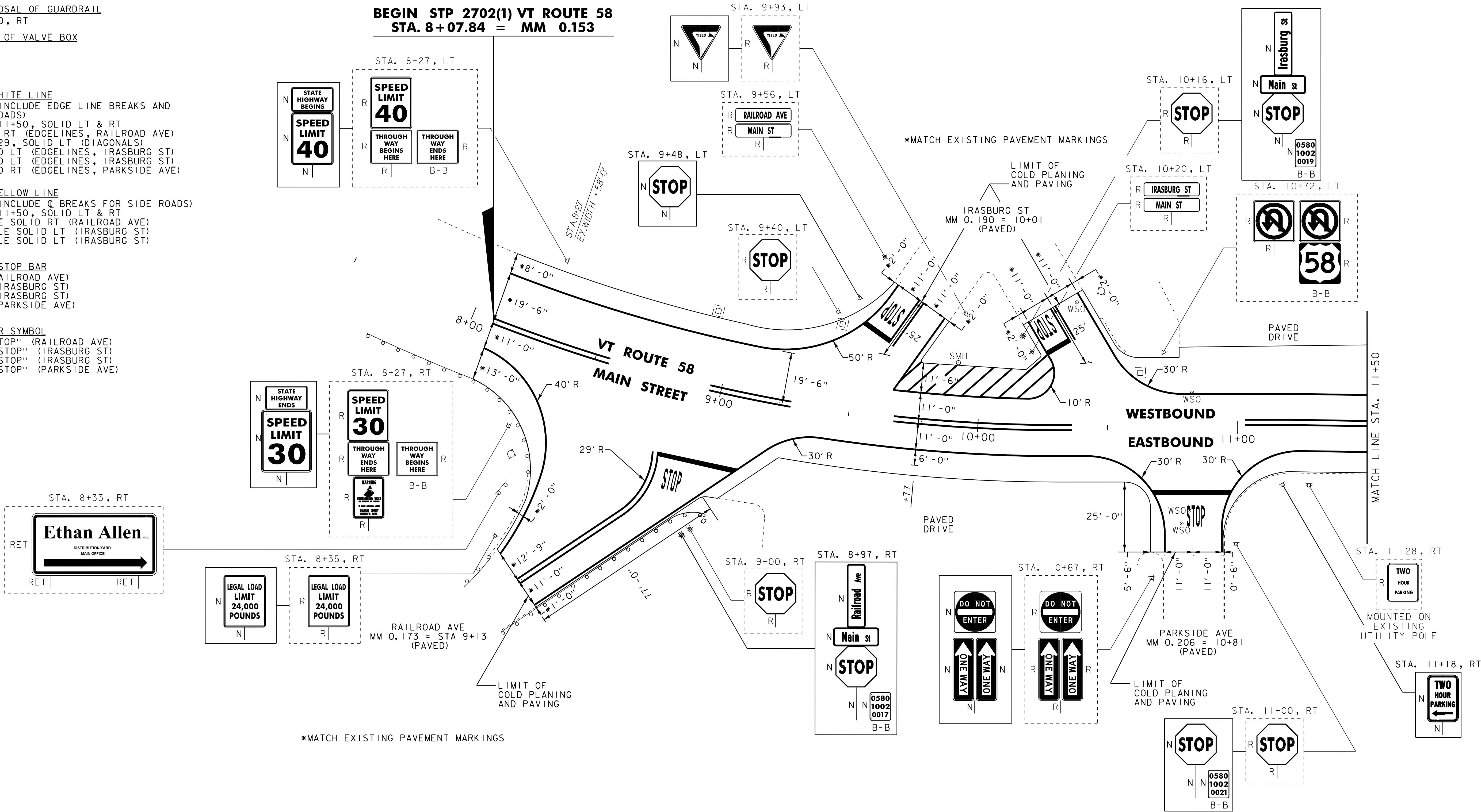
TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADI FOR SIDE ROADS)
STA. 8+07.84 TO 11+50, SOLID LT & RT
STA. 9+13, SOLID RT (EDGE LINES, RAILROAD AVE)
STA. 9+66 TO 10+29, SOLID LT (DIAGONALS)
STA. 10+01, SOLID LT (EDGE LINES, IRASBURG ST)
STA. 10+01, SOLID LT (EDGE LINES,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

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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



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 #17

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192i17.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. DI'S, CB'S OR MH'S, CLASS 1 OR 11

STA. 11+57, LT
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 RESETTNG 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
RADI FOR SIDE ROADS)

STA. 11+50 TO 17+50, SOLID LT
STA. 11+50 TO 13+34, SOLID RT
STA. 12+73, SOLID LT (EDGE LINES, 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 (EDGE LINES, SOUTH AVE)
STA. 15+72 TO 16+00, SOLID RT (PARKING SPACES)
STA. 17+10 TO 17+50, SOLID LT (DIAGONALS)

DURABLE 4 INCH WHITE LINE

(ALL LINES WILL INCLUDE C 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
RADI FOR SIDE ROADS)
STA. 11+50 TO 17+50, SOLID LT
STA. 11+50 TO 13+34, SOLID RT
STA. 12+73, SOLID LT (EDGE LINES, 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 (EDGE LINES, 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 C 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

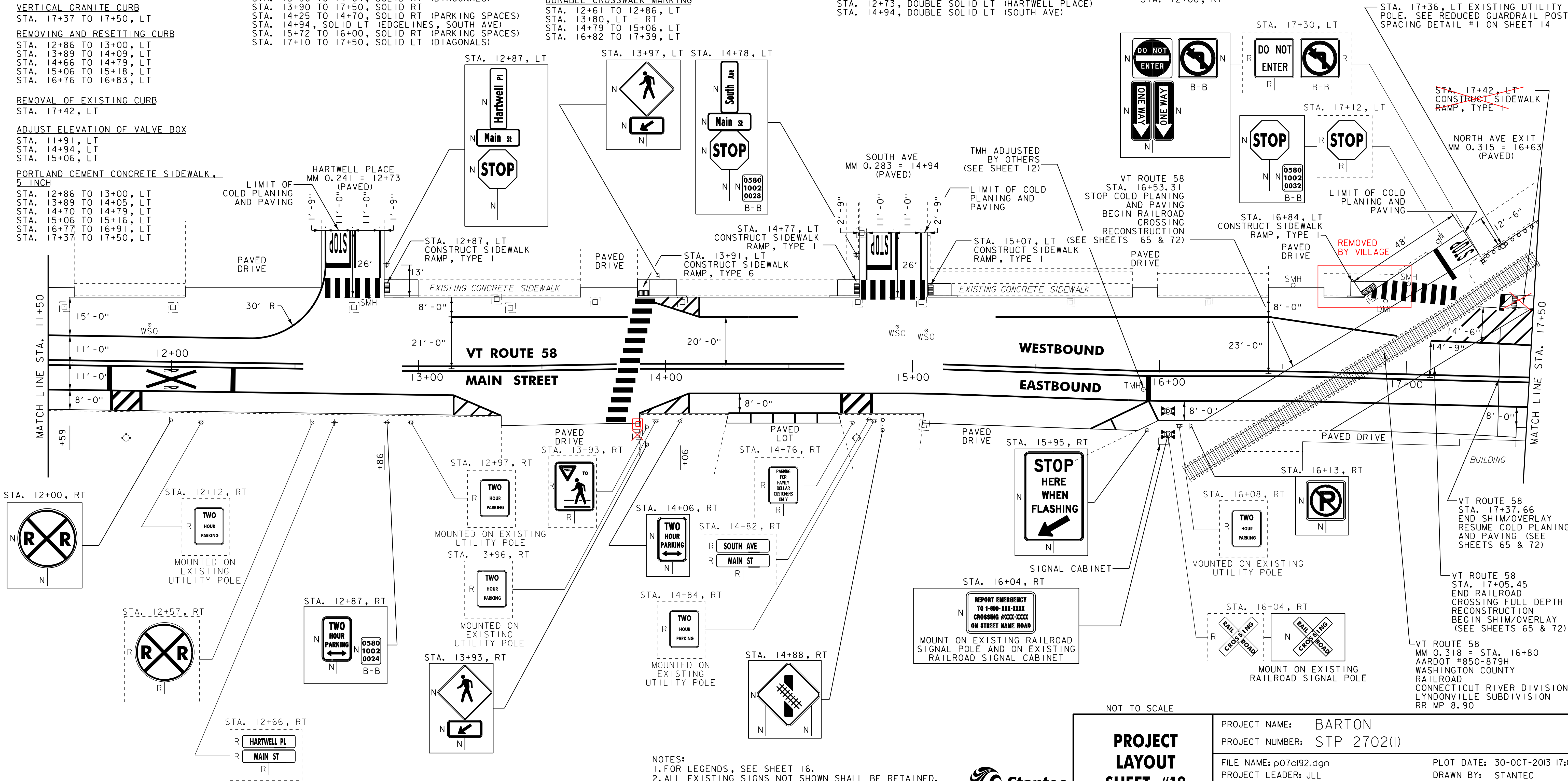
STA. 12+61 TO 12+86, LT
STA. 13+80, LT & RT
STA. 14+79 TO 15+06, LT
STA. 16+82 TO 17+39, LT

TEMPORARY RAILROAD CROSSING SYMBOL, PAINT

STA. 12+00, RT

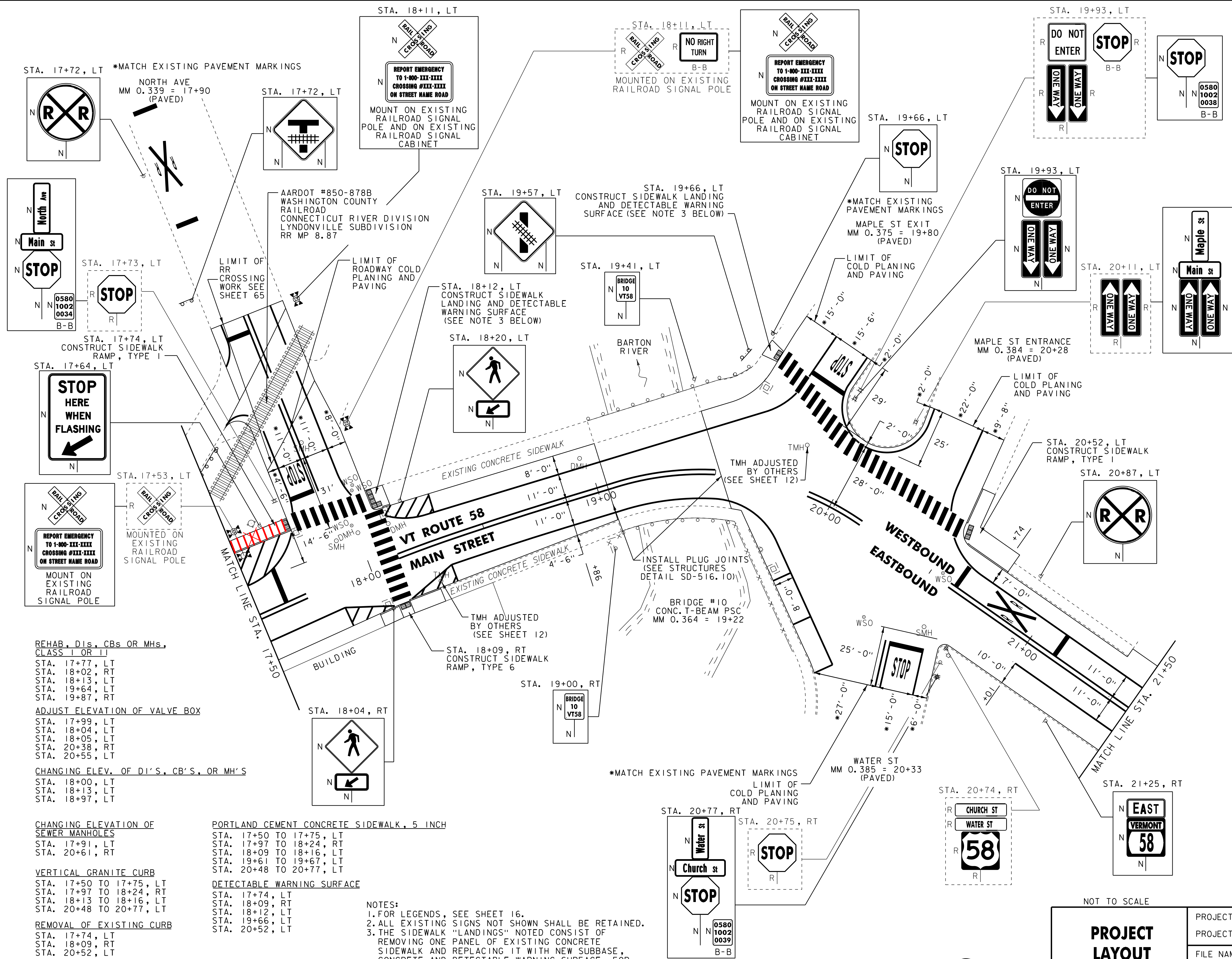
REMOVING SIGNS

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.





DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI 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 (EDGE LINES, NORTH AVE)
STA. 18+12 TO 18+32, SOLID RT (DIAGONALS)
STA. 18+13 TO 18+33, LT (DIAGONALS)
STA. 19+80, SOLID LT (EDGE LINES, MAPLE ST EXIT)
STA. 19+91 TO 20+39, SOLID RT (PARKING SPACES)
STA. 20+28, SOLID LT (EDGE LINES, MAPLE ST ENTRANCE)
STA. 20+33, SOLID RT (EDGE LINES, WATER ST)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C 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 C BREAKS 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 (EDGE LINES, NORTH AVE)
STA. 18+12 TO 18+32, SOLID RT (DIAGONALS)
STA. 18+13 TO 18+33, LT (DIAGONALS)
STA. 19+80, SOLID LT (EDGE LINES, MAPLE ST EXIT)
STA. 19+91 TO 20+39, SOLID RT (PARKING SPACES)
STA. 20+28, SOLID LT (EDGE LINES, MAPLE ST ENTRANCE)
STA. 20+33, SOLID RT (EDGE LINES, WATER ST)

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C 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

REHAB. DIS. C.B.S. OR M.H.s.
CLASS 1 OR 1

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.



NOT TO SCALE

**PROJECT
LAYOUT
SHEET #19**

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

FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192119.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 35 OF 75

REHAB, DIS, CBS OR MHS, CLASS I OR II
STA. 25+16, RT
CHANGE ELEVATION 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

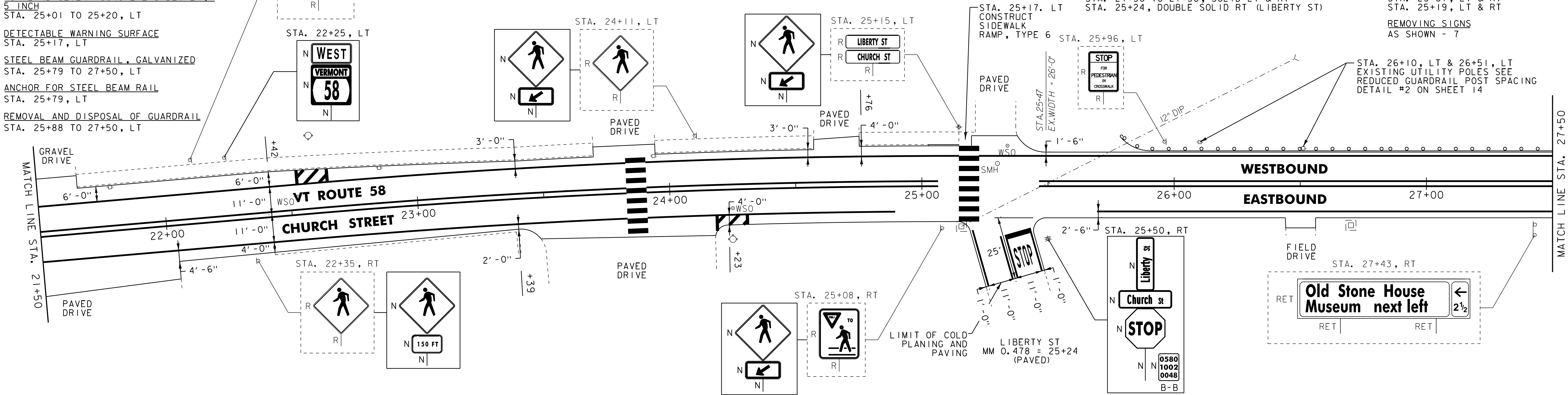
ADJUST ELEVATION OF VALVE BOX
STA. 22+53, LT
STA. 24+25, RT
STA. 25+34, LT

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 C 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 C 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

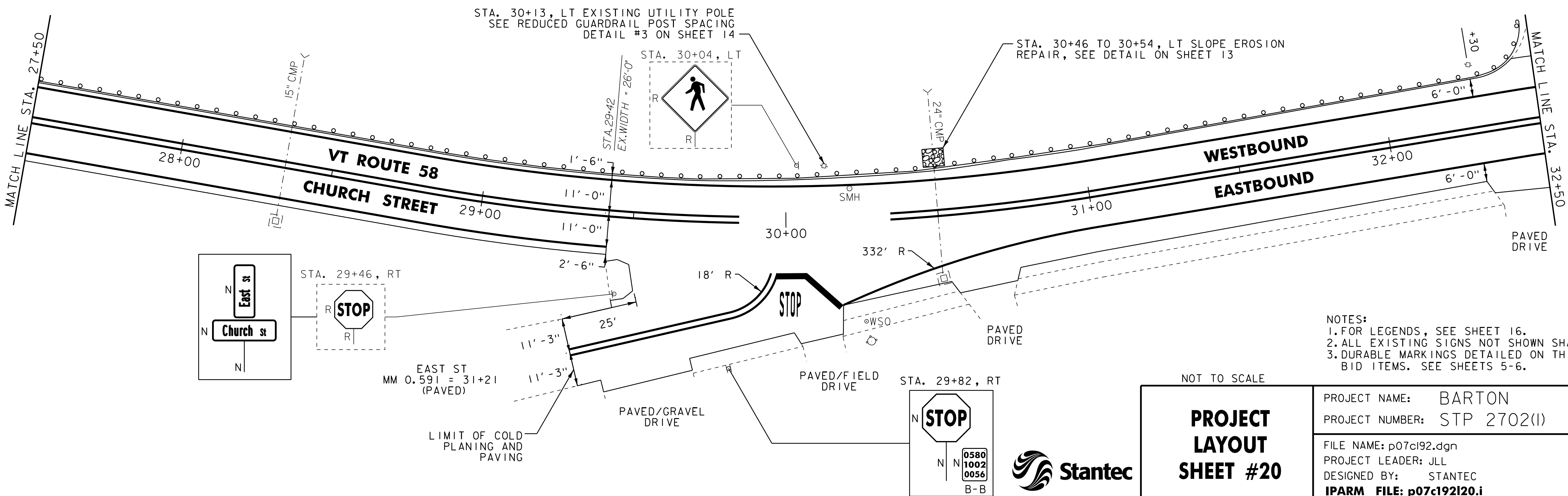
ANCHOR FOR STEEL BEAM RAIL
STA. 32+47.0, LT
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 27+50.0 TO 32+47.0, LT
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
RADII FOR SIDE ROADS)
STA. 27+50 TO 32+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C 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 C 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: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192120.i

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

REHAB, DIS, C&S 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 (EDGE LINES, EAST ST)

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C 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 (EDGE LINES, EAST ST)

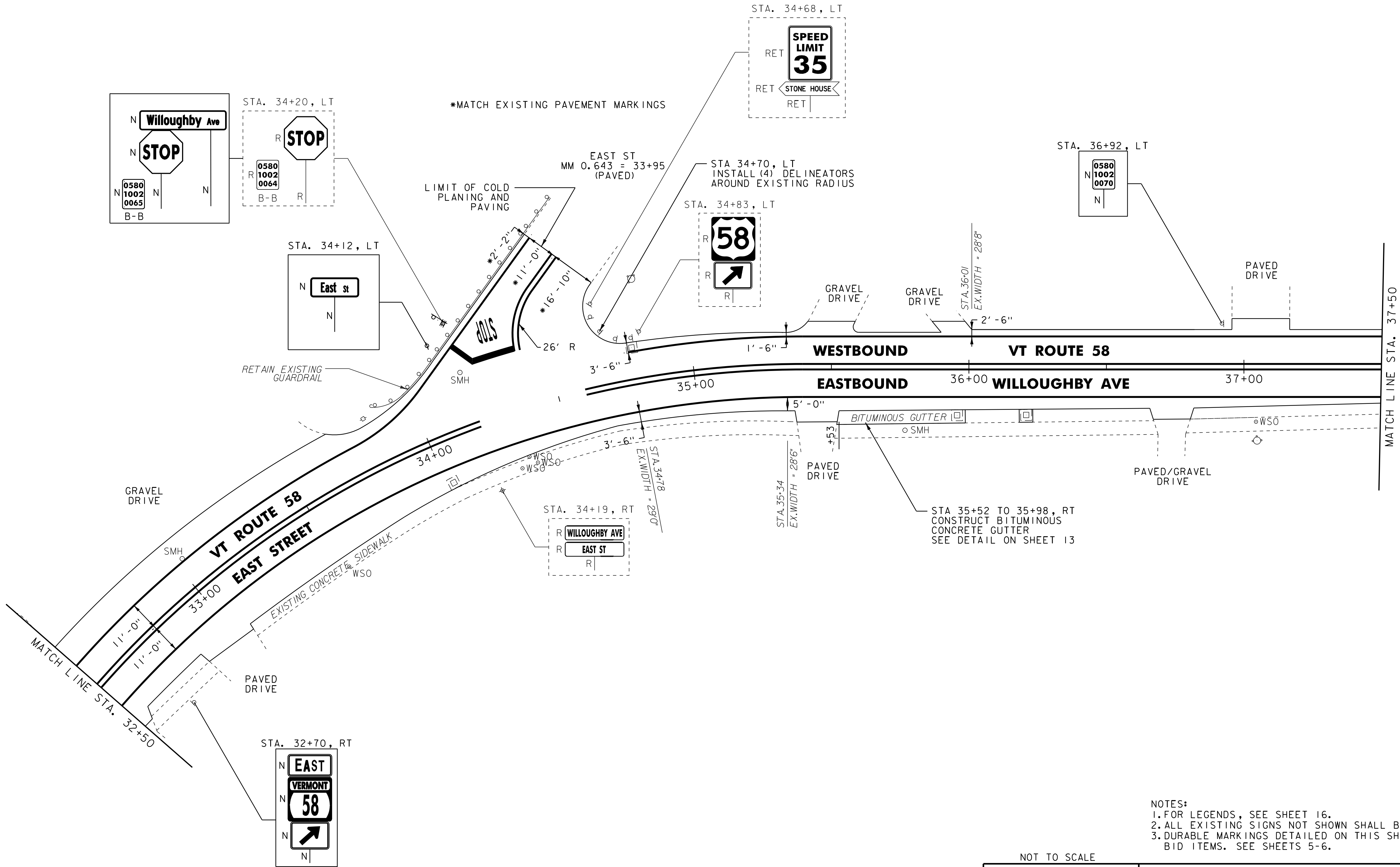
TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 32+50 TO 37+50, SOLID LT & RT
STA. 33+95, DOUBLE SOLID LT (EAST ST)

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

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

(ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
STA. 37+50 TO 39+75.84, SOLID LT & RT

(ALL LINES WILL INCLUDE @ BREAKS FOR SIDE ROADS)
STA. 37+50 TO 39+75.84, SOLID LT & RT

AS SHOWN - 4



1. FOR ELEVATIONS, SEE SHEET 10.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
3. DURABLE MARKINGS DETAILED ON THIS SHEET ARE OPTION BID ITEMS. SEE SHEETS 5-6.

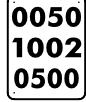
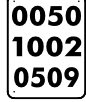
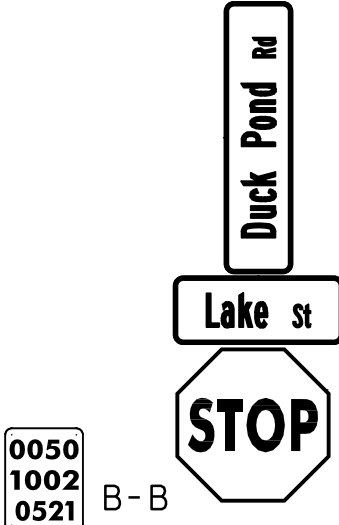
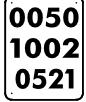
NOT TO SCALE

PROJECT LAYOUT SHEET #22

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

FILE NAME: p07c192.dgn	PLOT DATE: 30-OCT-2013 17:0
PROJECT LEADER: JLL	DRAWN BY: STANTEC
DESIGNED BY: STANTEC	CHECKED BY: STANTEC
IPARM FILE: p07c192I22.i	SHEET 38 OF 75



STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 01																														
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																REMARKS	SIGN DETAIL						
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	SAL VAGE	NO. OF POSTS	FLANGED CHANNEL	SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL					S I G N P O S T D I S T A N C E	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
		1.75	2.0	2.5									ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE								
																							lb/ft	lb/ft								24"	30"	
																								1.2										2.0
U.S. ROUTE 5 BARTON																																		
257+13, RT		I	6	10	0.42					I																					VD-700 MOUNT ON EXISTING POST, BELOW EXISTING SPEED LIMIT SIGN			E-138
264+00, LT		I	6	10	0.42						I			X			X													VD-700			E-138	
268+50, RT	 	I	24	30	5.00						I				X		X													R2-I	X			
		I	6	10	0.42																									VD-700			E-138	
272+37, LT		I	24	30	5.00						I				X		X													R2-I	X			
274+00, LT		I	24	12	2.00											X		X												M3-3	X			
		I	24	24	4.00																									MI-4	X			
275+34, LT	 	I	48	12	4.00																									D3-I		61		
		I	30	12	2.50							2				X		X												D3-I		61		
		I	30	30	6.25																									RI-I				
		I	6	10	0.42																									VD-700			E-138	
275+68, LT	 	I	24	30	5.00											X		X												VR-017			E-141	
		I	12	18	1.50																											64		
"SHSM"--STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB				PROJECT NAME: BARTON PROJECT NUMBER: STP 2702(I)				
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			LB			EA.	LB			EA.	EA.	LB	 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			

TRAFFIC SIGN SUMMARY SHEET 02

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	NEW SIGN POSTS					TUBULAR ALUMINUM Ø (in)				TUBULAR STEEL Ø (in)				W-SHAPE STEEL				RE QU IR ED S I G N E	REMARKS	SIGN DETAIL					
					“A”	“B”	SALV SIGN	SALV TIS	RE TAIN	S AL V A G E		FLANGED CHANNEL	SQUARE STEEL (in)			ANCHOR	S L E E V E	FOUND- ATION			FTG. SIZE				WEIGHT	POST SIZE	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER			STD. SHEET NUMBER					
		1.75	2.0	2.5									3.0	4.0	4.0 MOD			3.0	3.5	4.0	5.0															
		1b/f+	1b/f+										1.3	1.7	1.7			7.6	9.0	10.8	14.6	24"	30"													
U.S. ROUTE 5 BARTON (CONT.)																																				
275+87, LT		I	24	24	4.00						I					X		X														R8-3	X			
280+29, RT		I	6	8	0.33																											VD-70I MOUNT ON EXISTING POST UNDER EXISTING WIO-3 WARNING SIGN USING NEW MOUNTING HARDWARE (INCIDENTAL TO SIGN)			E-I34	
280+95, RT		I	24	30	5.00						I					X		X														R2-I	X			
281+05, LT	 	I	24	30	5.00						I					X		X													R2-I	X				
		I	6	8	0.33																										VD-70I			E-I34		
282+20, RT		I	21	15	2.19						I					X		X														M2-I	X			
		I	24	24	4.00																										MI-5			E-I36C		
282+74, LT		I	30	12	2.50						I						X	X														D3-I		61		
		I	30	12	2.50																										D3-I		61			
		I	30	30	6.25																										RI-I	X				
		I	6	10	0.42																										VD-700			E-I38		
282+90, LT		I	24	30	5.00						I					X		X														VR-017			E-I41	
283+03, RT		I	72	12	6.00						2						X	X														DI-Ia		63		
		I	72	12	6.00																										DI-Ia		63			
		I	72	12	6.00																										DI-Ia		63			
		I	72	12	6.00																										DI-Ia		63			
"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB					PROJECT NAME: BARTON PROJECT NUMBER: STP 2702(I)					
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 61.52	SF	EA	SF			FT	FT 121				LB			EA	LB				EA	EA	LB		FILE NAME: p07c192.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p07c192tss02.i				PLOT DATE: 30-OCT-2013 17:00 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 40 OF 75			

TRAFFIC SIGN SUMMARY SHEET 03

[illegible]

TRAFFIC SIGN SUMMARY SHEET 04

[illegible]

TRAFFIC SIGN SUMMARY SHEET 05

[illegible]

TRAFFIC SIGN SUMMARY SHEET 06

[illegible]

TRAFFIC SIGN SUMMARY SHEET 07

[illegible]

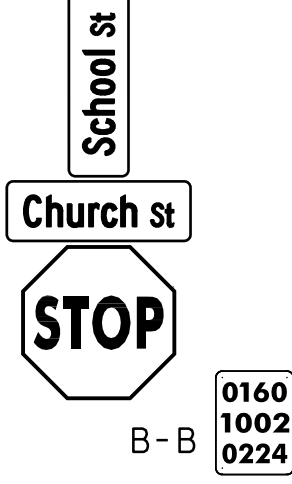
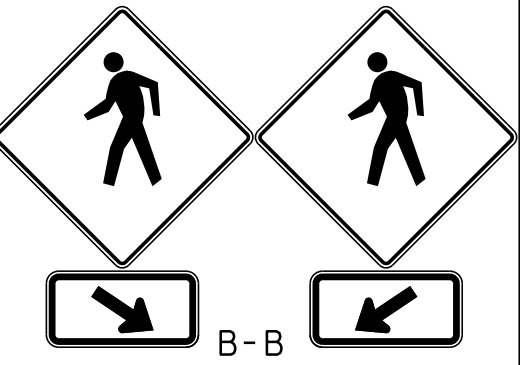
STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RE TAIN		S ALV AGE	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
													FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS					1.2	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0		FTG. SIZE		WEIGHT	POST SIZE	S IG N F R A M E R E Q U I R E D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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TRAFFIC SIGN SUMMARY SHEET 09

[illegible]

TRAFFIC SIGN SUMMARY SHEET 10

[illegible]

STATE OF VERMONT AGENCY OF TRANSPORTATION				TRAFFIC SIGN SUMMARY SHEET 11																														
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RE TAIN	NO. OF POST S	NEW SIGN POSTS																REMARKS	SIGN DETAIL						
					"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
		EA	WIDTH (in)	HEIGHT (in)							1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT					POST SIZE			
																								1.2	2.0							3.0	1.88	2.42
VT ROUTE 16 BARTON (CONT.)																																		
116+65, LT		I	36	36	9.00						I							X	X											SI-1 (FLUORESCENT YELLOW-GREEN)	X			
		I	24	12	2.00																										WI6-7P (FLUORESCENT YELLOW-GREEN)	X		
117+70, LT		I	24	24	4.00						I						X		X											R8-3	X			
117+75, RT		I	24	24	4.00															X										R8-3	X			
		I	24	12	2.00						I						X		X											M4-6 (RED ON WHITE)	X			
118+20, RT		I	36	12	3.00																									D3-1		6I		
		I	36	12	3.00																									D3-1		6I		
		I	30	30	6.25						I								X	X										X				
		I	6	10	0.42																										VD-700			E-138
118+59, LT		I	36	36	9.00						I							X	X											SI-1 (FLUORESCENT YELLOW-GREEN)	X			
		I	30	18	3.75																										WI6-7P (FLUORESCENT YELLOW-GREEN)	X		
119+75, LT		I	30	30	6.25													X		X										W11-2	X			
		I	24	12	2.00						I																				WI6-7P	X		
		I	30	30	6.25																										W11-2	X		
		I	24	12	2.00																										WI6-7P	X		
120+25, RT		I	21	15	2.19													X		X										M2-1	X			
		I	24	24	4.00						I																				MI-4	X		
"SHSM"--STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB				PROJECT NAME: BARTON PROJECT NUMBER: STP 2702(I)				
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	69.11	SF	EA.	SF		FT			FT			60	46		EA.	LB			EA.	EA.	LB	PLOT DATE: 30-OCT-2013 17:00 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 49 OF 75					
																										FILE NAME: p07c192.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p07c192tss11.i			PLOT DATE: 30-OCT-2013 17:00 DRAWN BY: STANTEC CHECKED BY: STANTEC SHEET 49 OF 75					

TRAFFIC SIGN SUMMARY SHEET 12

[illegible]

TRAFFIC SIGN SUMMARY SHEET 13

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	SQUARE STEEL (in)					TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				RE- FRAMED SIGNS	REMARKS	SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					“A”	“B”	SALV SIGN	SALV TIS	RETAIN	SALVAGE		FLANGED CHANNEL	lb/ft			lb/ft	lb/ft	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	lb/ft						FTG. SIZE		WEIGHT	POST SIZE	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		1.75	2.0	2.5									3.0	1.75	2.0									2.5	3.0	1.75	2.0			2.5	3.0						1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5	3.0	1.75	2.0	2.5

TRAFFIC SIGN SUMMARY SHEET 14

[illegible]

TRAFFIC SIGN SUMMARY SHEET 15

[illegible]

TRAFFIC SIGN SUMMARY SHEET 16

[illegible]

TRAFFIC SIGN SUMMARY SHEET 17

[illegible]

TRAFFIC SIGN SUMMARY SHEET 18

[illegible]

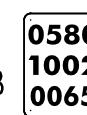
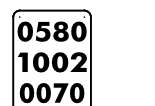
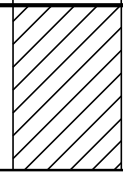
TRAFFIC SIGN SUMMARY SHEET 19

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TRAFFIC SIGN SUMMARY SHEET 20

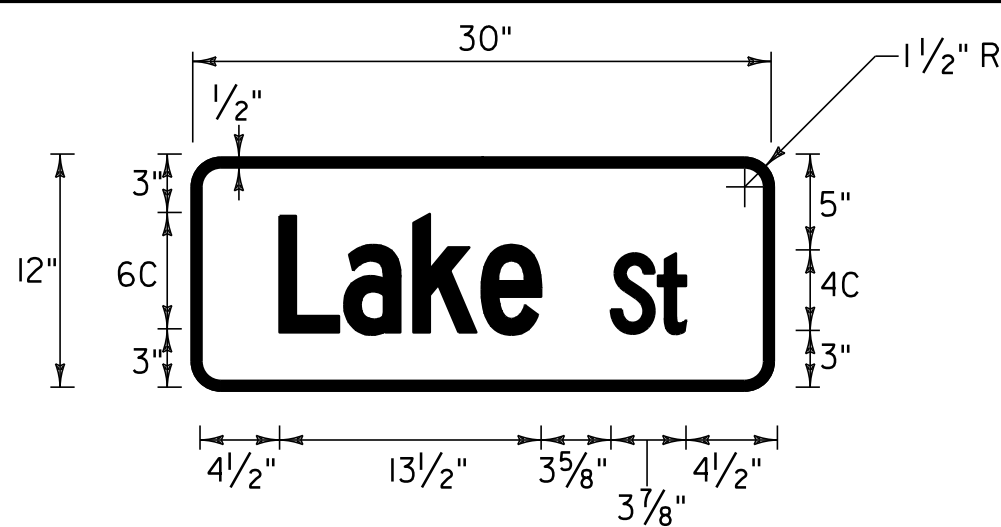
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NEW SIGN POSTS																	REMARKS	SIGN DETAIL						
					“A”	“B”	SALV SIGN	SALV TIS	RETAIN	NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				REQUIR- ED SIGN- AGE	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER			
		1.12	2.0	3.0							1.75	2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE								
																								lb/ft	lb/ft								lb/ft	24"	30"
VT ROUTE 58 ORLEANS (CONT.)																																			
24+11, LT		I	30	30	6.25						I					X		X												W11-2	X				
		I	24	12	2.00																										W16-7P	X			
25+08, RT		I	30	30	6.25						I					X		X												W11-2	X				
		I	24	12	2.00																										W16-7P	X			
25+15, LT		I	30	30	6.25						I					X		X												W11-2	X				
		I	24	12	2.00																										W16-7P	X			
25+50, RT		I	36	12	3.00							I						X	X												D3-I		62		
		I	36	12	3.00																										D3-I		61		
		I	30	30	6.25																									X					
		I	6	10	0.42																										VD-700		E-138		
29+46, RT		I	30	12	2.50							I				X		X													D3-I		62		
		I	36	12	3.00																										D3-I		61		
29+82, RT		I	30	30	6.25							I				X		X													R1-I	X			
		I	6	10	0.42																										VD-700		E-138		
32+70, RT		I	24	12	2.00											X		X													M3-2 (GREEN ON WHITE)		E-136B		
		I	24	24	4.00																										MI-5		E-136B		
		I	21	15	2.19																										M6-2 (GREEN ON WHITE)		E-136B		
"SHSM"--STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	FT	FT	EA	LB	LB	LB		LB	LB	LB	LB				PROJECT NAME: BARTON					
																															PROJECT NUMBER: STP 2702(1)				
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."																90	16														FILE NAME: p07c192.dgn				
																															PLOT DATE: 30-OCT-2013				
																															DRAWN BY: STANTEC				
																															DESIGNED BY: STANTEC				
																															SHEET 58 OF 75				
																															IPARM FILE: p07c192tss20.i				
																															STANTEC				

TRAFFIC SIGN SUMMARY SHEET 21

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	NEW SIGN POSTS					TUBULAR ALUMINUM Ø (in)				TUBULAR STEEL Ø (in)				W-SHAPE STEEL			RE QUI RED SI G N E	REMARKS	SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					“A”	“B”	SALV SIGN	SALV TIS	RE TAIN	SAL VAGE		FLANGED CHANNEL	SQUARE STEEL (in)			ANCHOR	SLEEVE	3.0	4.0 MOD	FOUND- ATION	TUBULAR STEEL Ø (in)				FTG. SIZE		WEIGHT			POST SIZE	DETAIL IN SHSM BOOK	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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VT ROUTE 58 ORLEANS (CONT.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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36+92, LT		I	6	10	0.42						I				X		X																	VD-700		E-I38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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"SHSM"-STANDARD HIGHWAY SIGNS AND MARKINGS												FT	FT	FT	FT	8	92	16		EA	LB	LB	LB		LB	LB	LB	LB																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						</

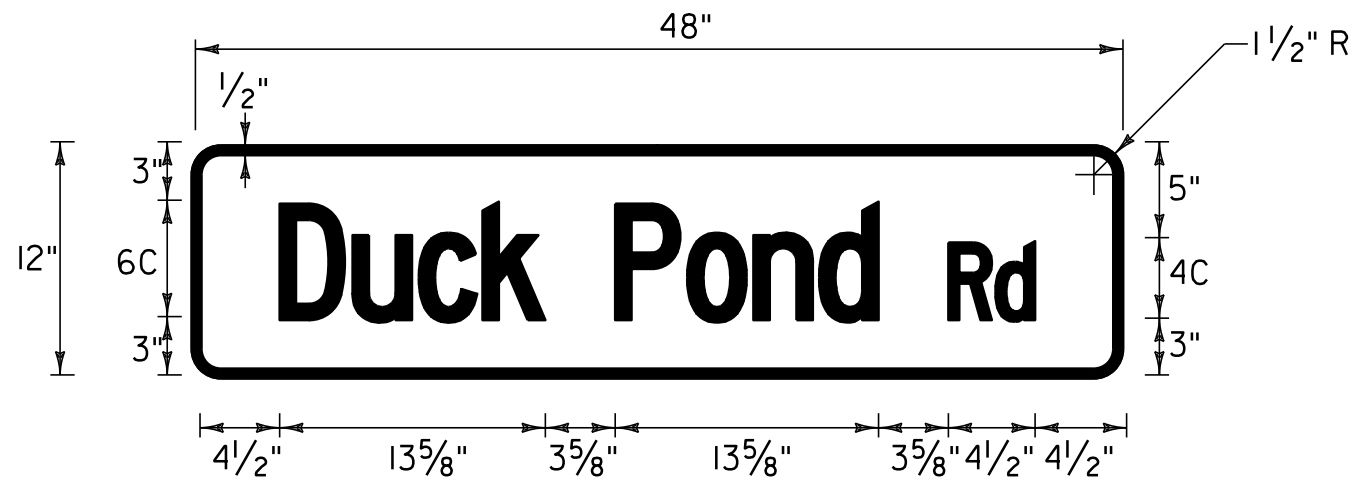
TRAFFIC SIGN SUMMARY SHEET 22

[illegible]



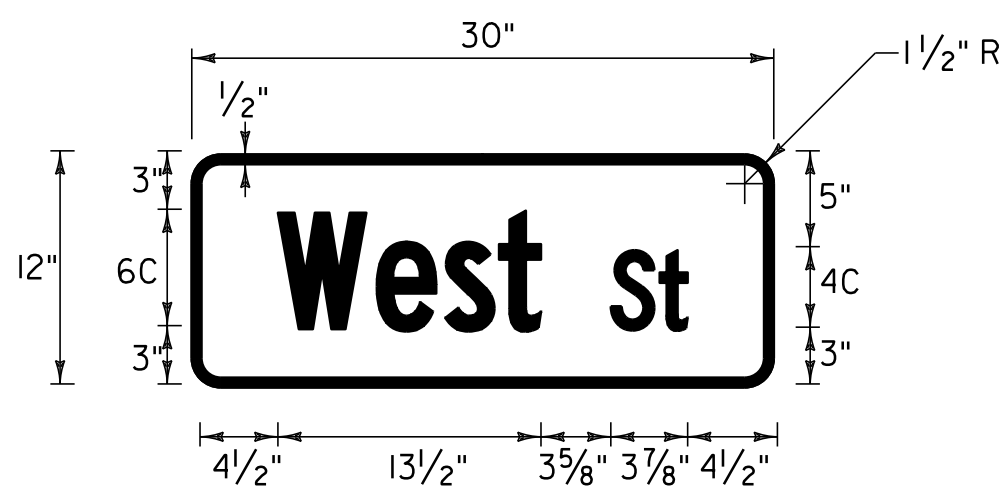
D3-1

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



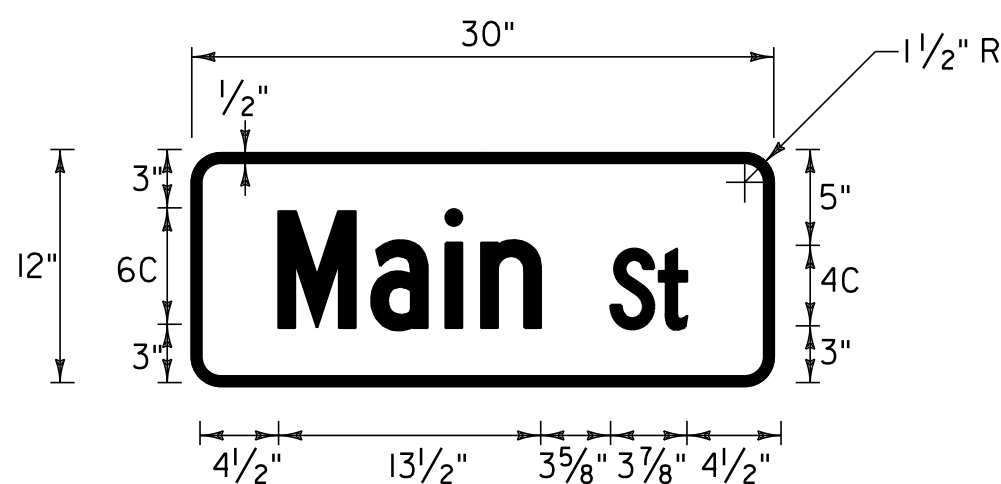
D3-1

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

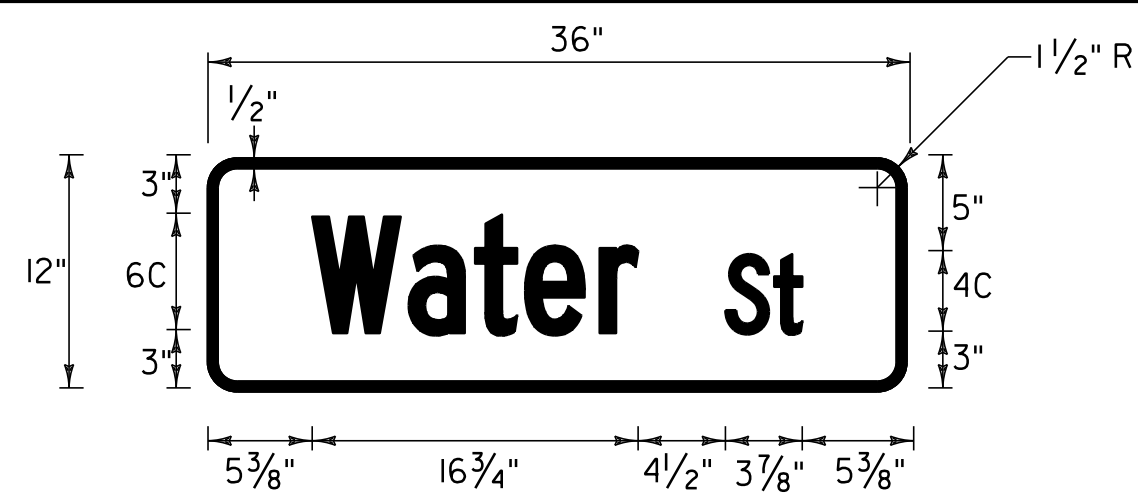
LOCATION: U.S. ROUTE 5:
STA. 282+74, LT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



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

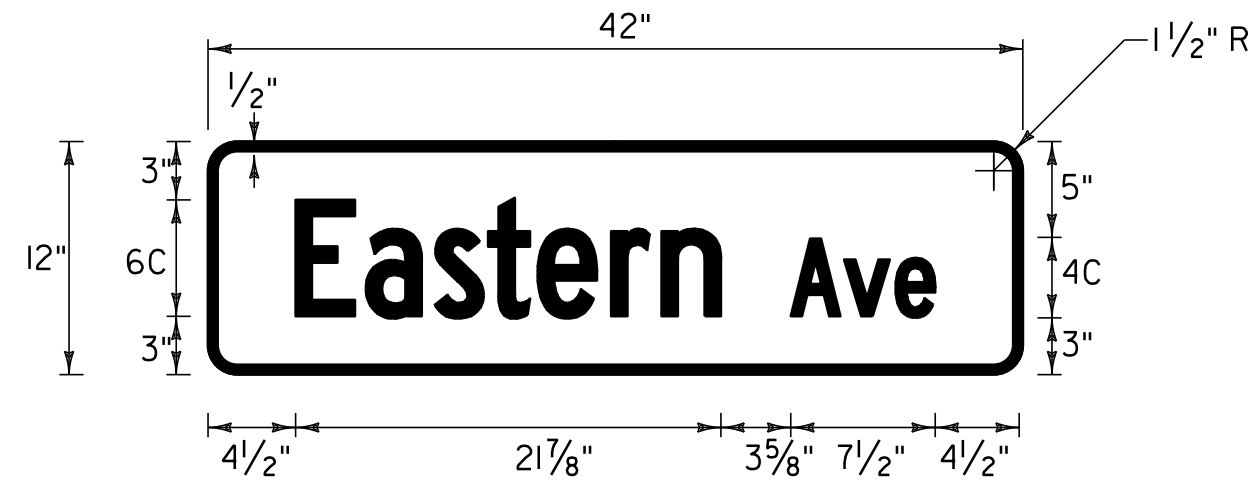
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

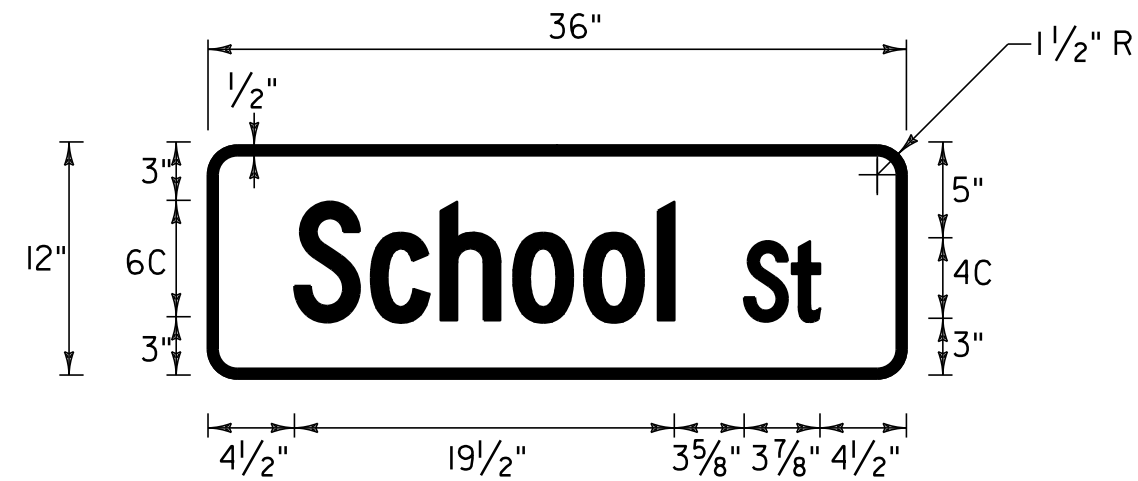
LOCATION: U.S. ROUTE 5:
STA. 284+70, LT
VT ROUTE 16:
STA. 115+09, RT
VT ROUTE 58:
STA. 20+77, RT

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



D3-1

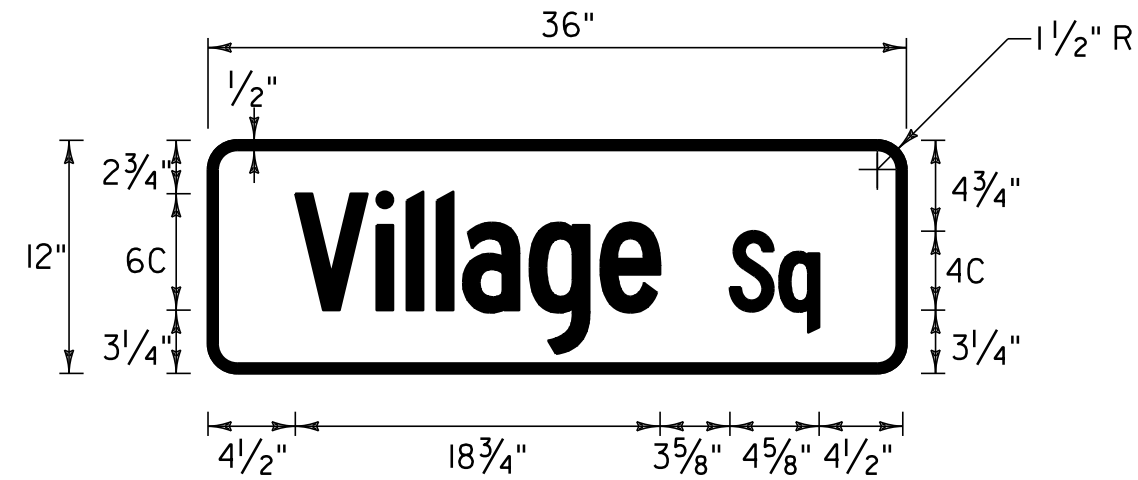
LOCATION: U.S. ROUTE 5:
STA. 285+38, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



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

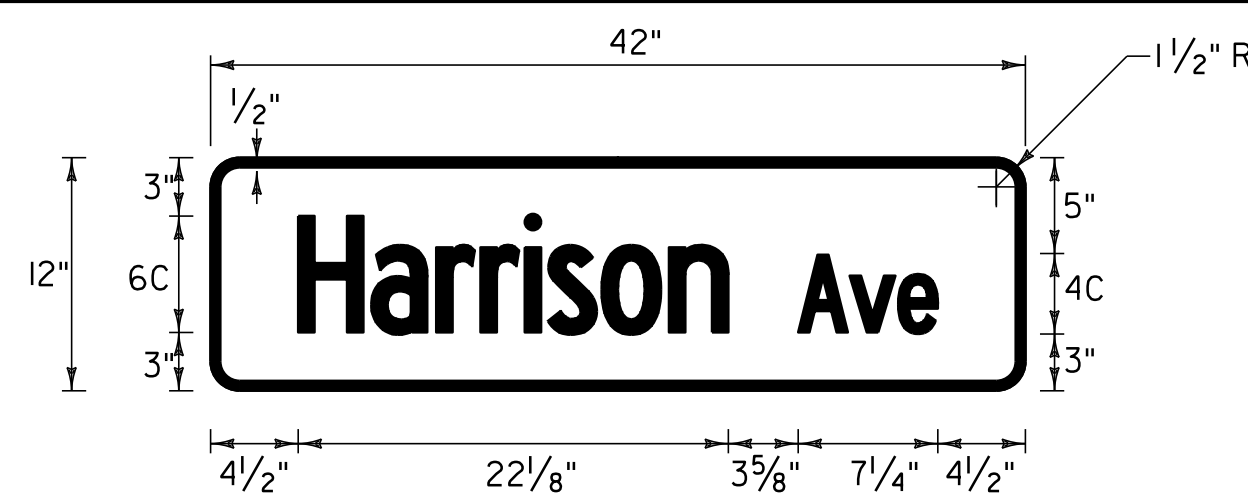
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

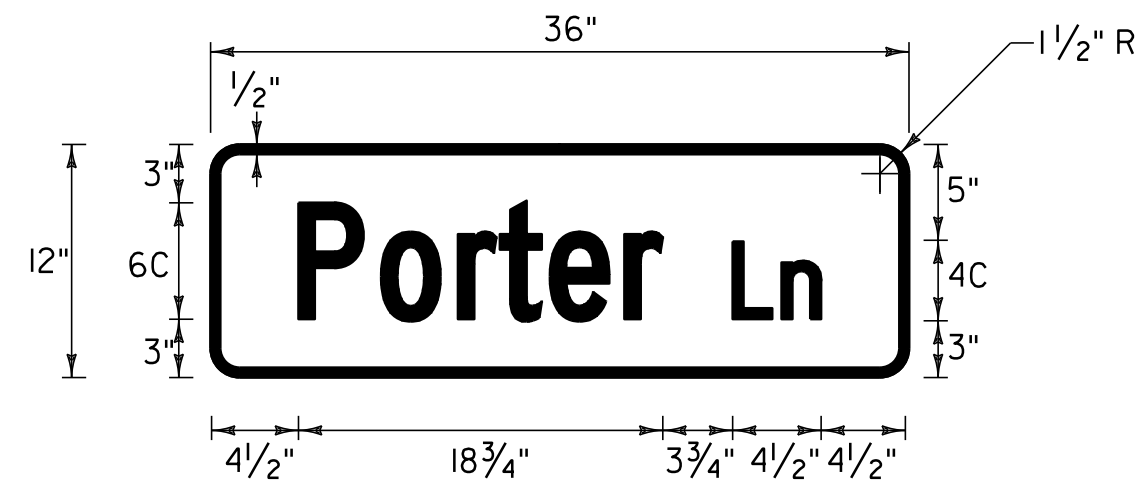
LOCATION: U.S. ROUTE 5:
STA. 298+33, LT
VT ROUTE 16:
STA. 123+26, RT

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



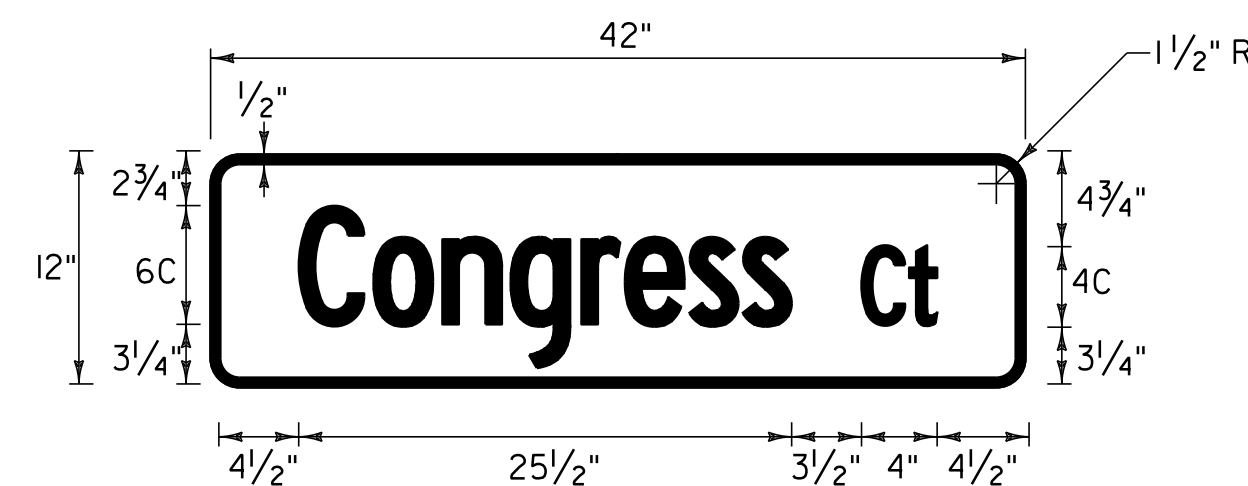
D3-1

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



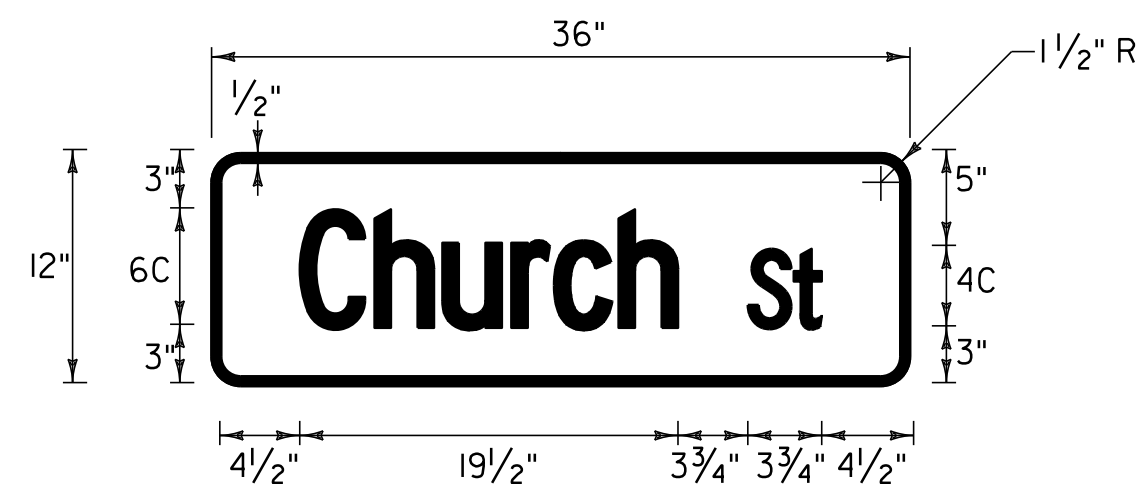
D3-1

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

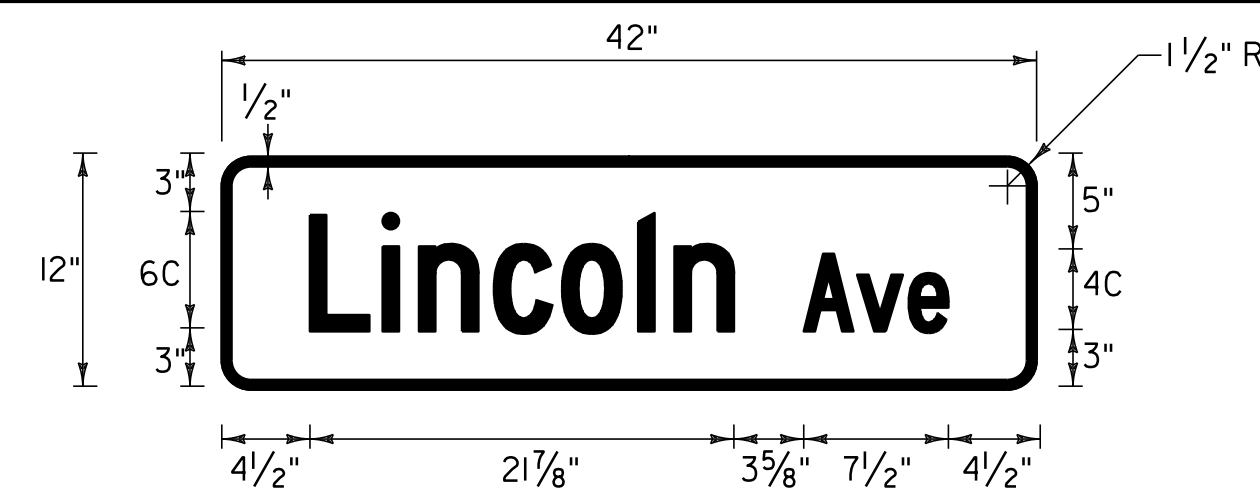
LOCATION: U.S. ROUTE 5:
STA. 303+95, LT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

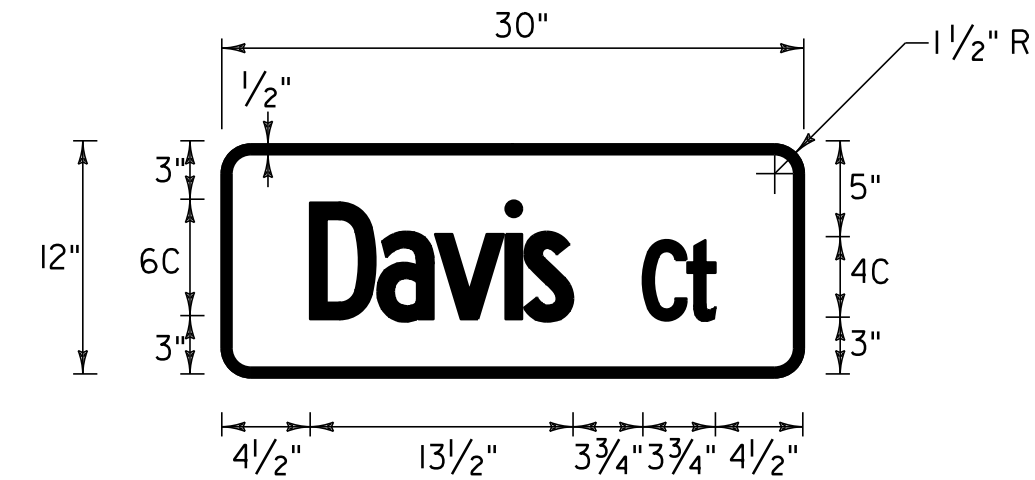
LOCATION: VT ROUTE 16:
STA. 114+52, LT
STA. 115+09, RT
STA. 118+20, RT
STA. 123+26, RT
STA. 124+05, RT
VT ROUTE 58:
STA. 20+77, RT
STA. 25+50, RT
STA. 29+46, RT

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



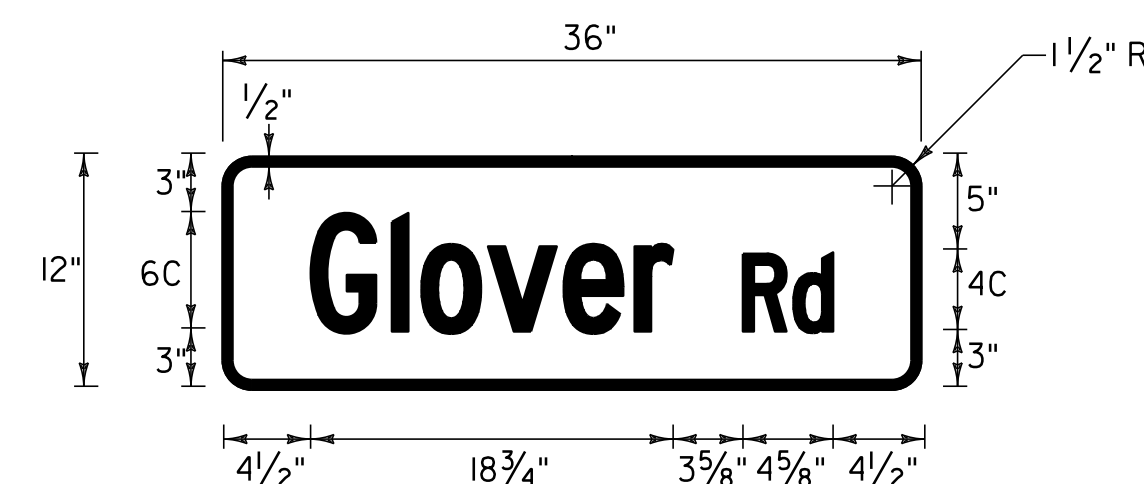
D3-1

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

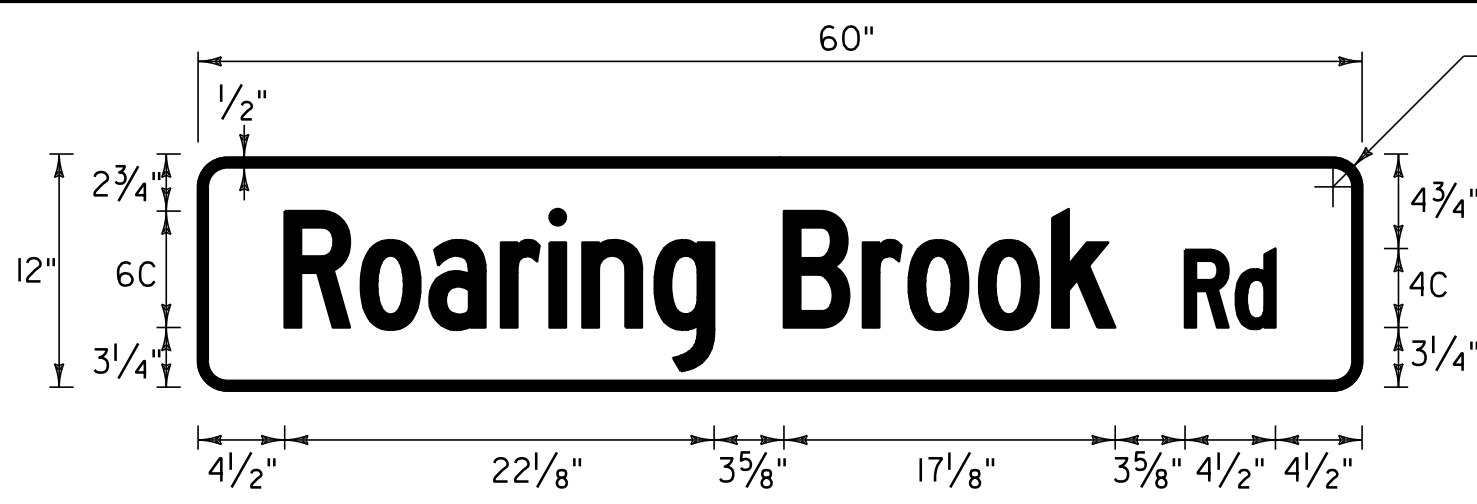
NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM PER 750.08
2. ALL STREET SIGNS ARE TWO-SIDED



TRAFFIC
SIGN
DETAIL
SHEET #1

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

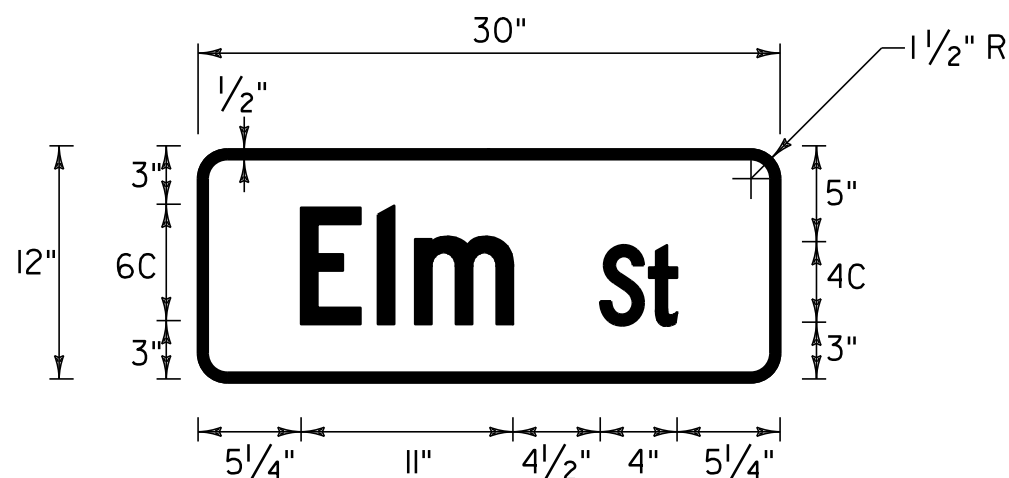
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192tsd01.i
PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 61 OF 75



D3-1

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

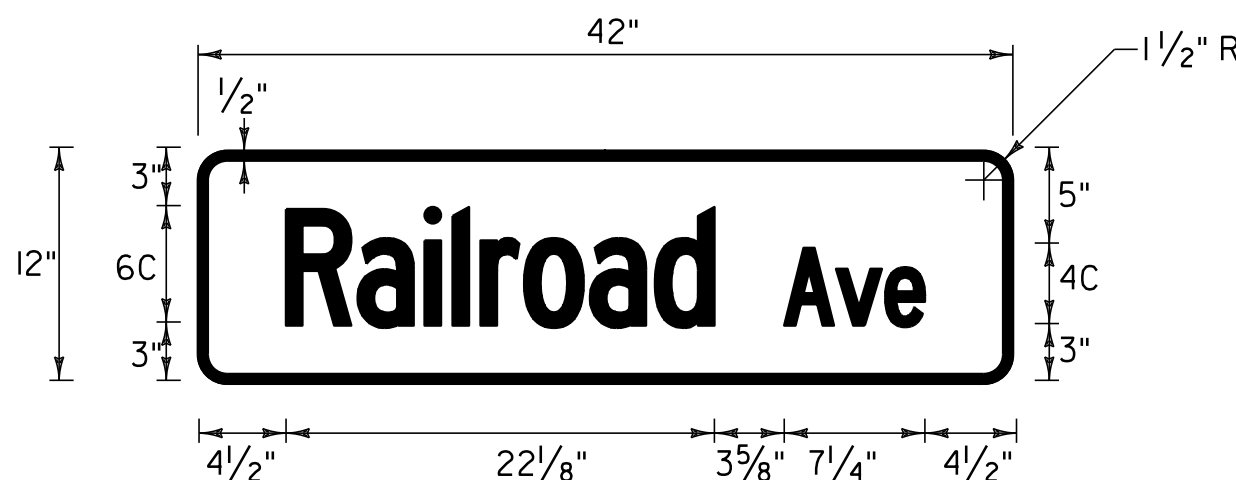
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

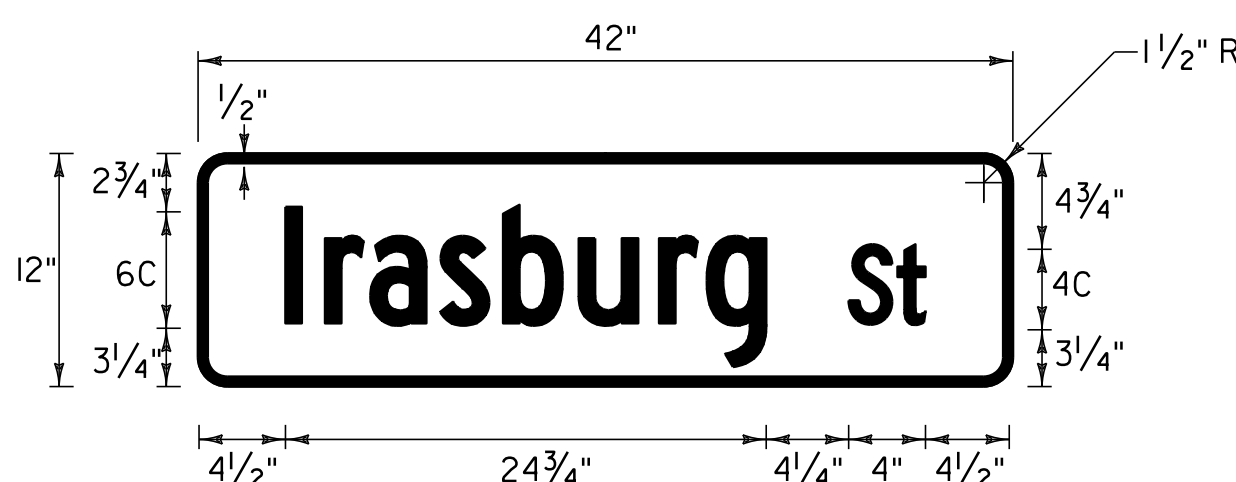
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

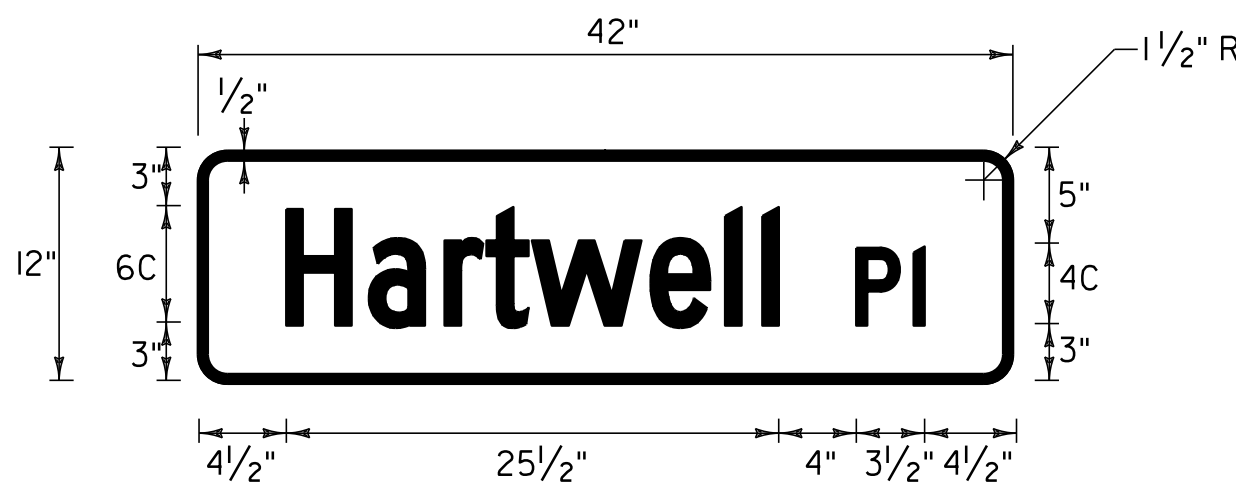
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

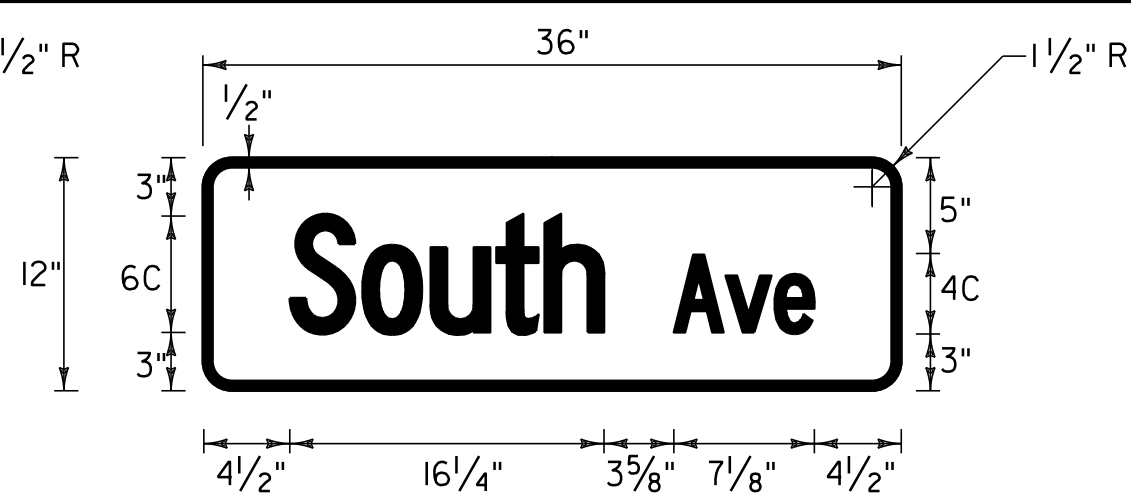
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

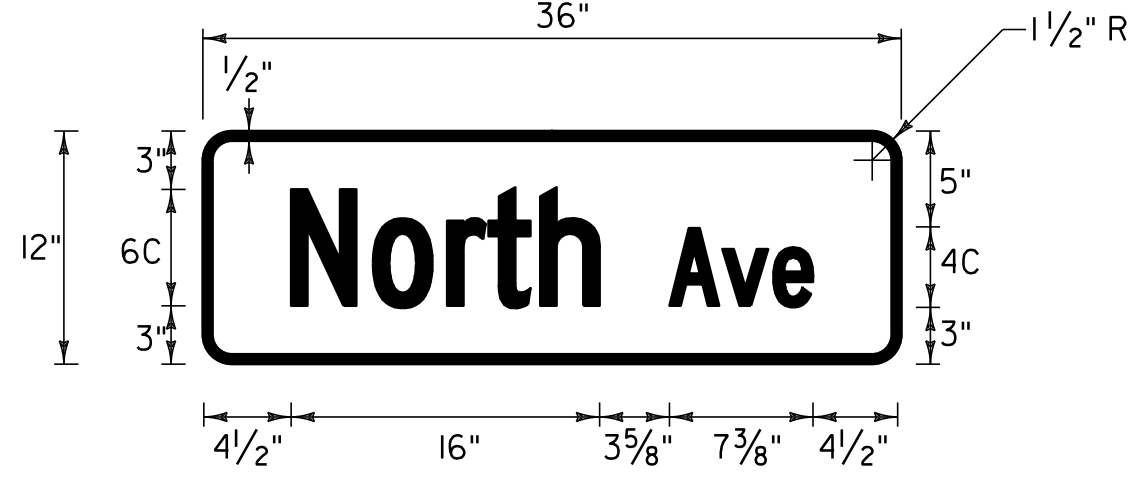
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

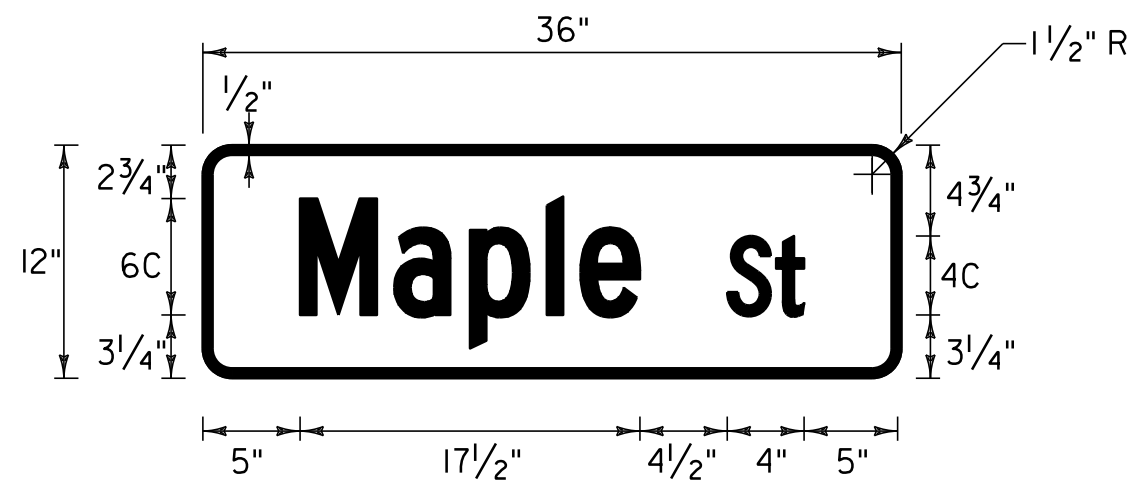
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

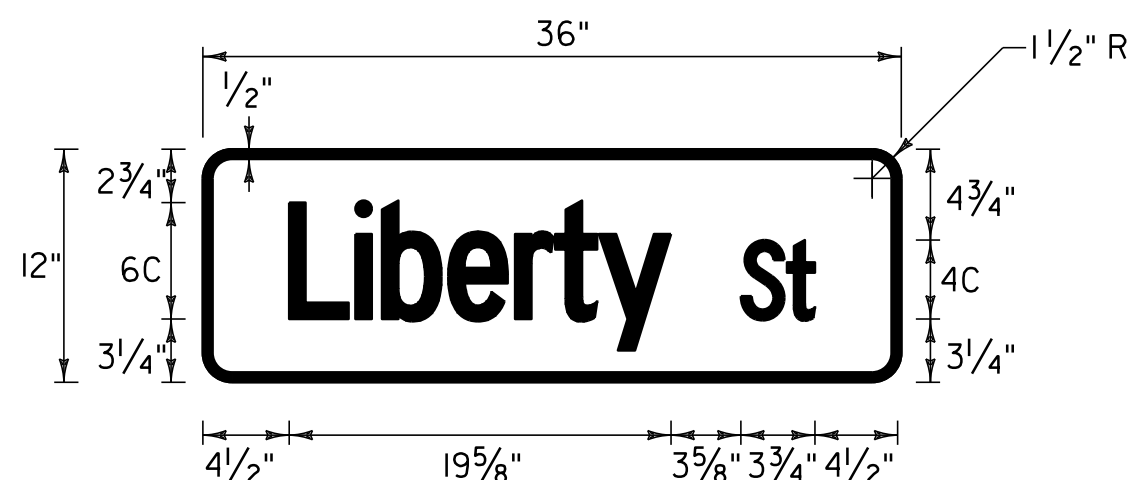
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

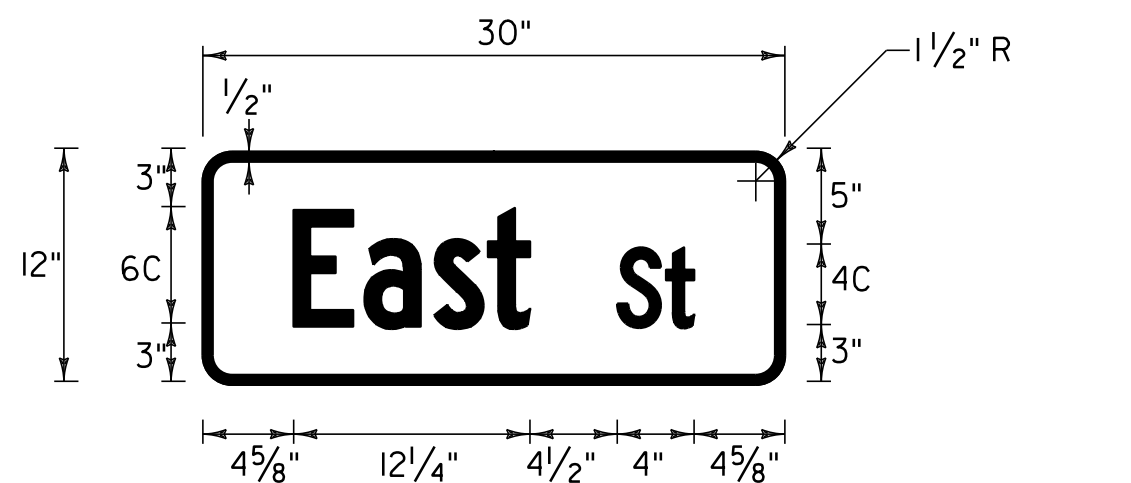
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



D3-1

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

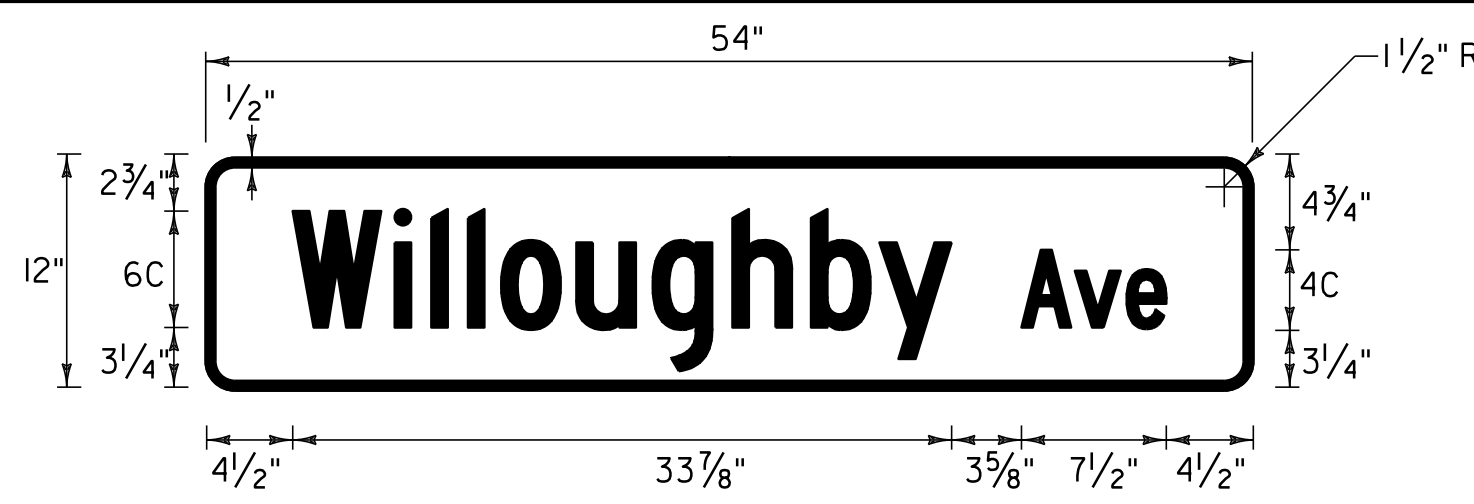
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: PER THE TRAFFIC SIGN TABLE ON SHEET 64



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

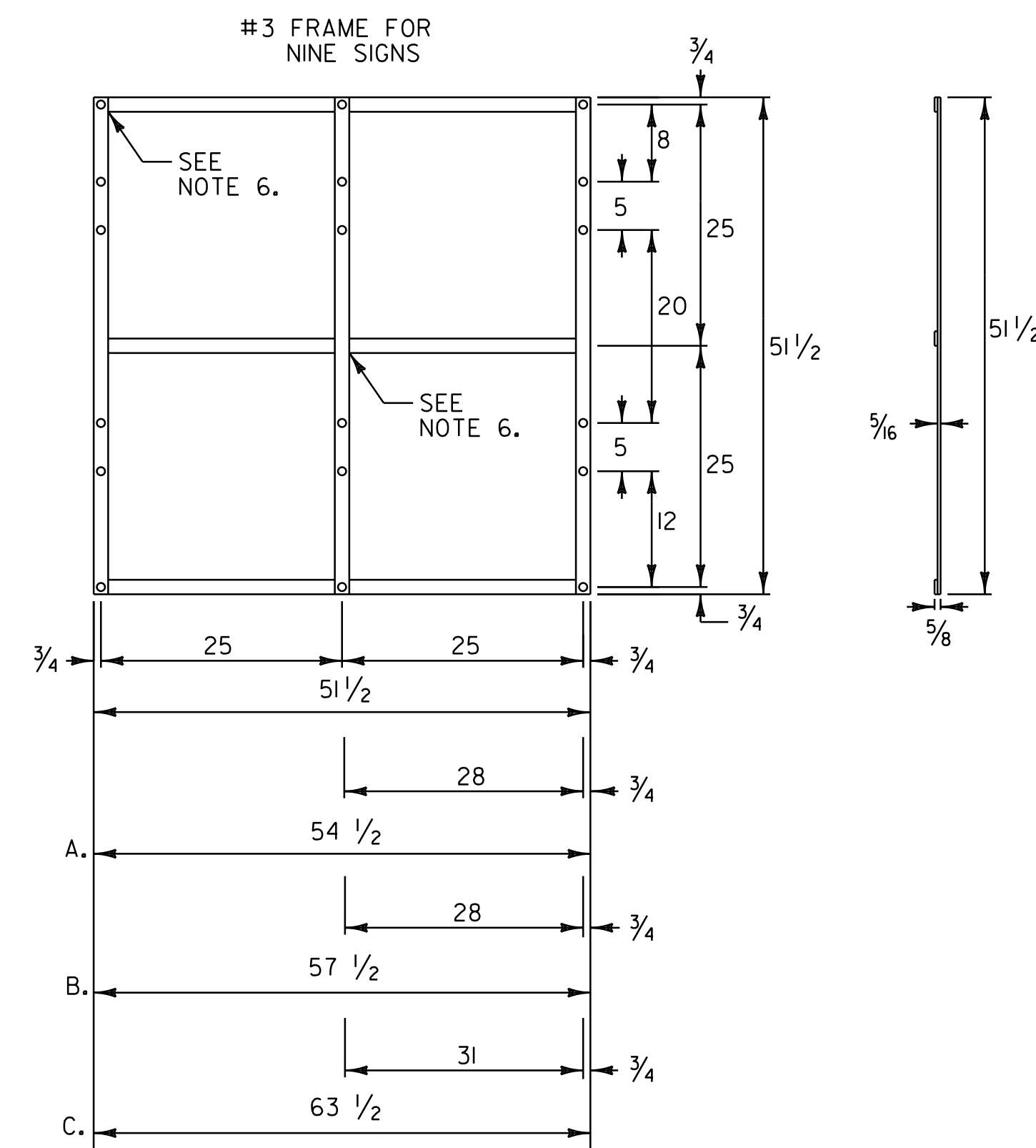
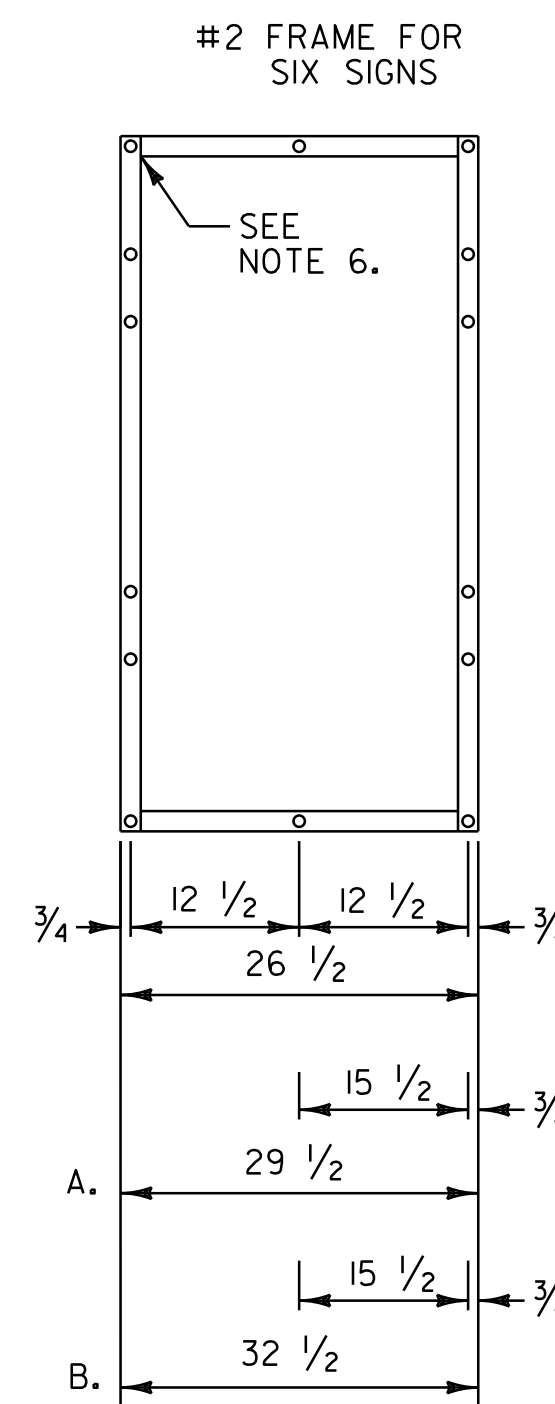
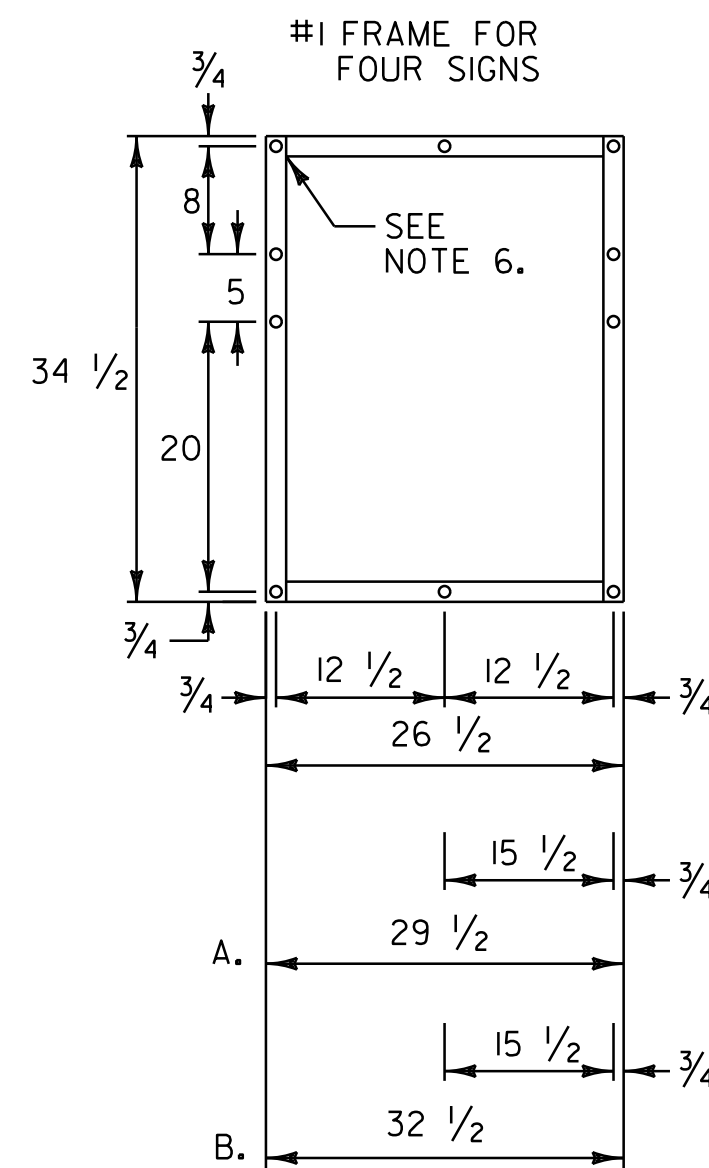


D3-1

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:

- NOTES FOR #1 AND #2 FRAME:
A. WITH ONE 30 INCH THREE DIGIT SIGN
B. WITH TWO 30 INCH THREE DIGIT SIGNS
- 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.
- 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.
- ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.
- FRAMES SHALL BE CONSTRUCTED OF 5/16 INCH x 1 1/2 INCH A-36 STEEL.
- ALL OVERLAPPED CONNECTIONS SHALL BE WELDED WITH TWO 1/4 INCH WIDE FILLET WELDS, 1 1/2 INCHES LONG.

NOT TO SCALE

TRAFFIC SIGN DETAIL SHEET #2

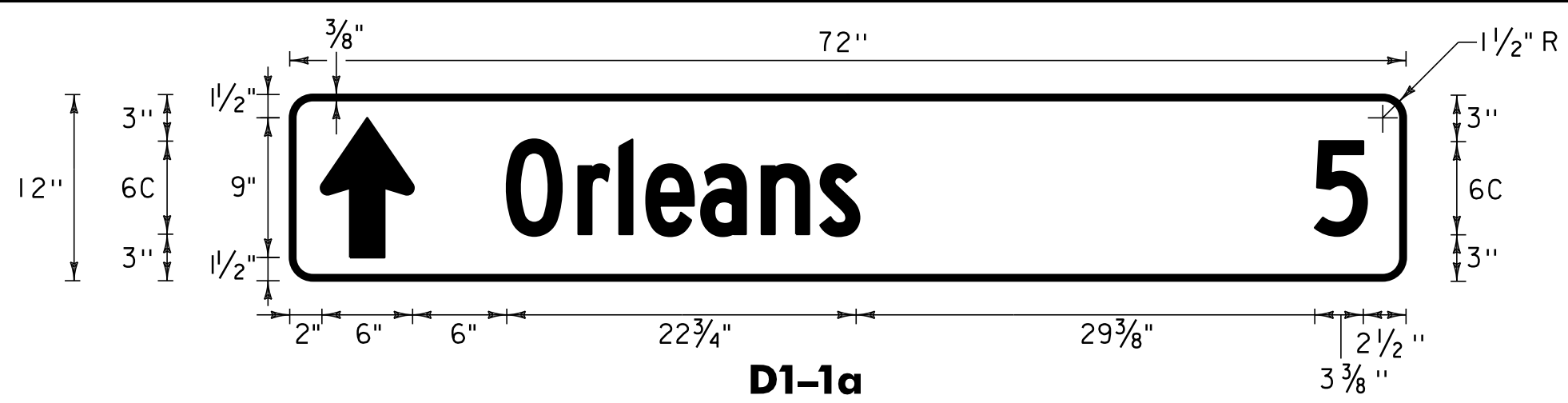
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(1)

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



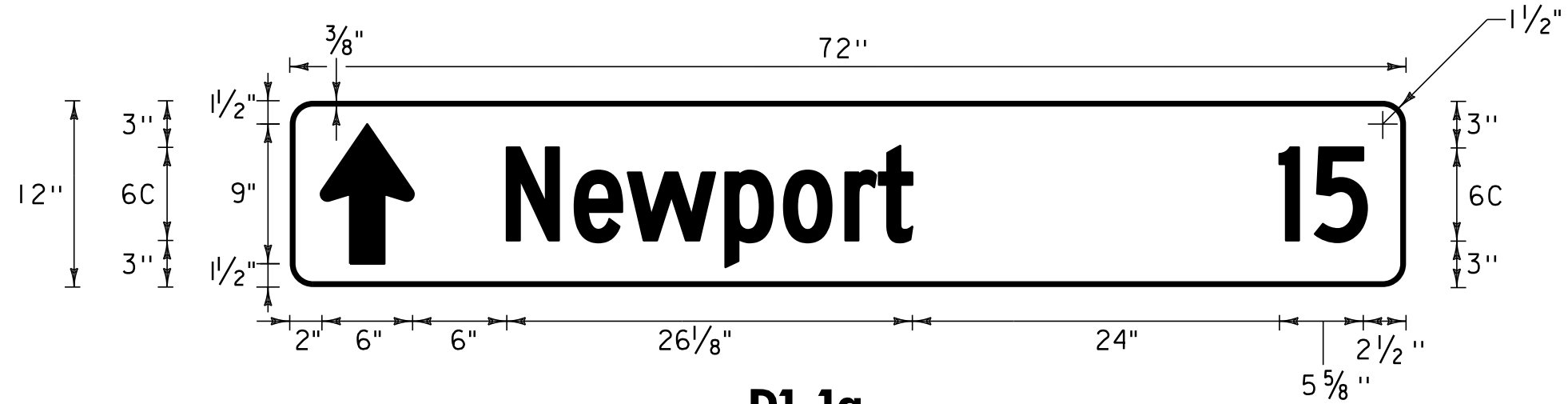
NOTES: 1. ALL SHEETING SHALL BE TYPE III MINIMUM PER 750.08
2. ALL STREET SIGNS ARE TWO-SIDED



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

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

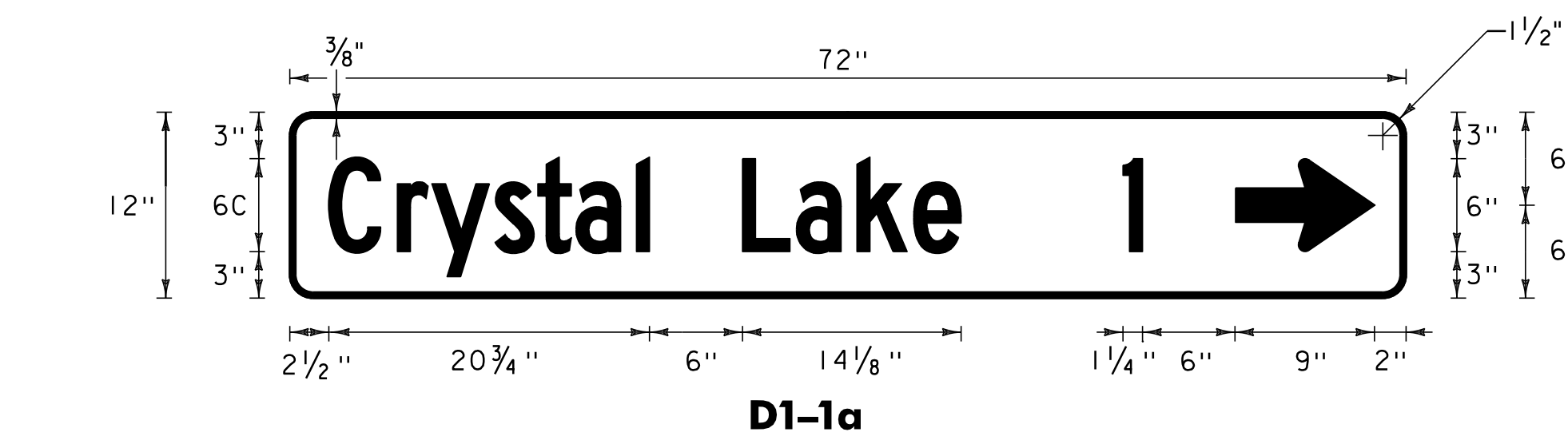
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

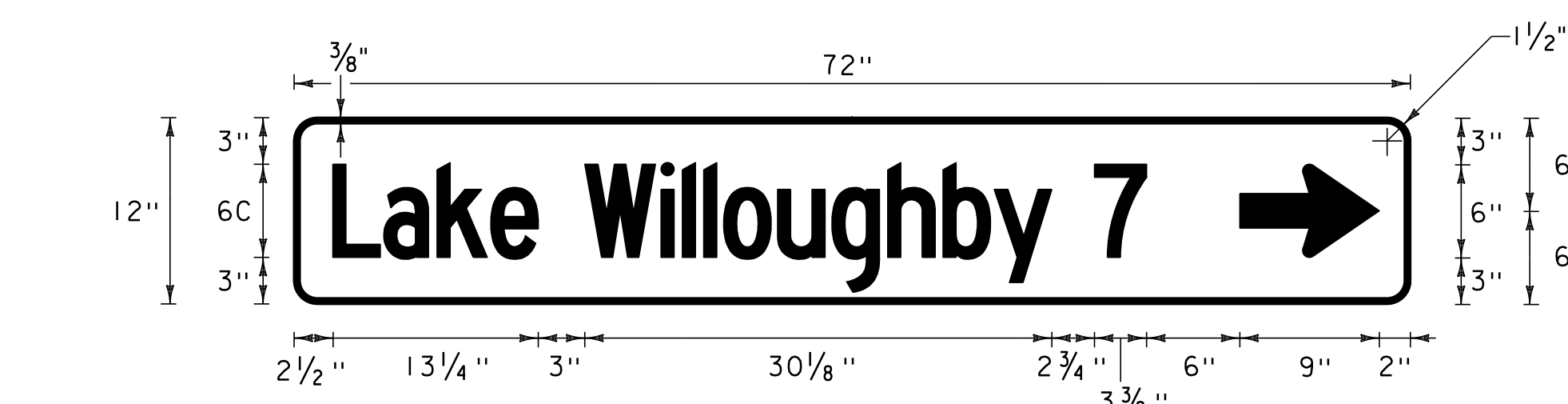
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

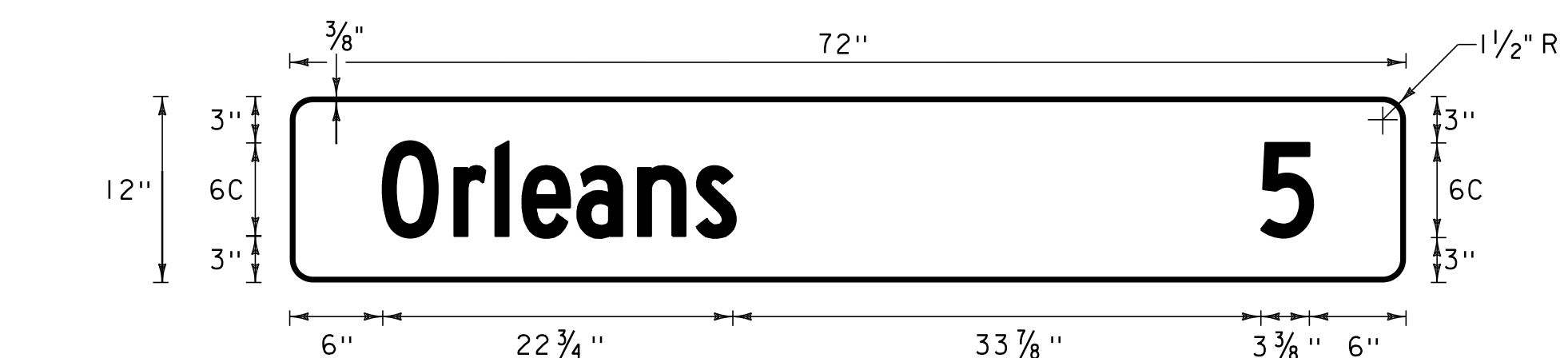
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

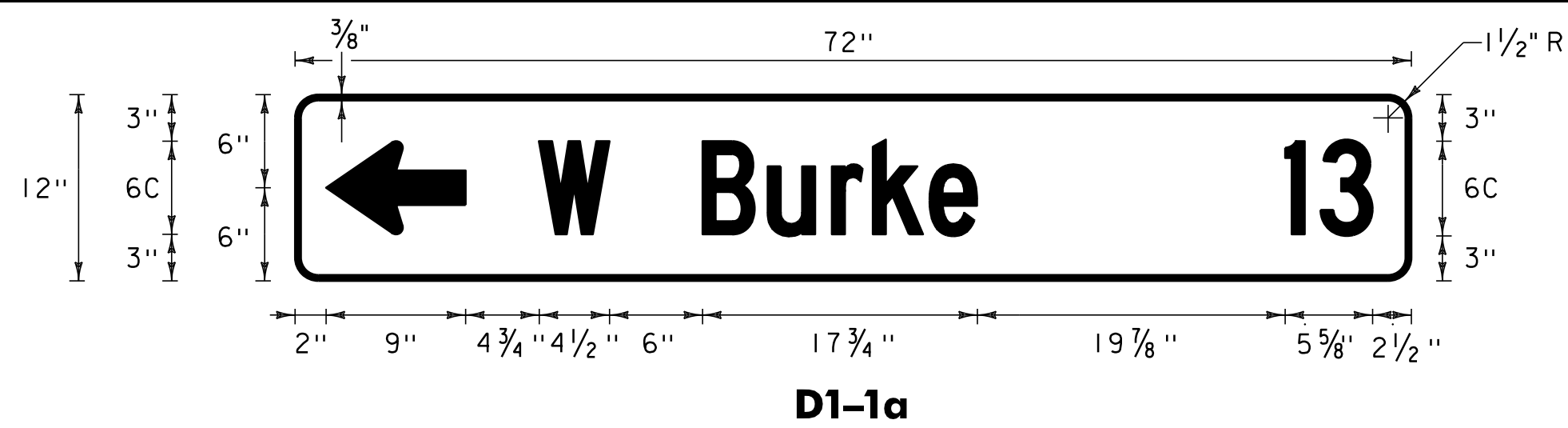
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

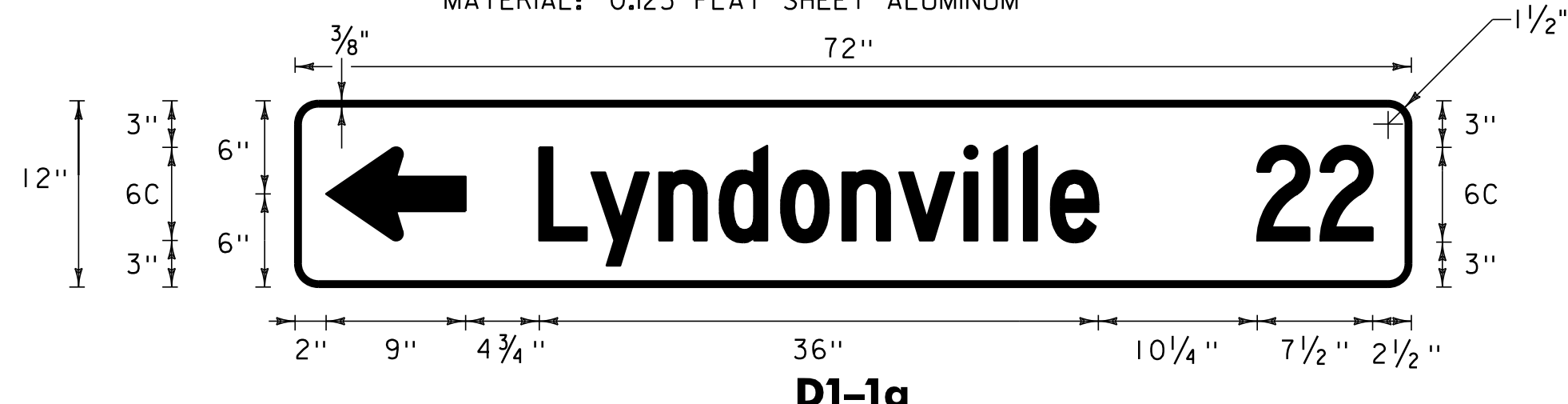
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

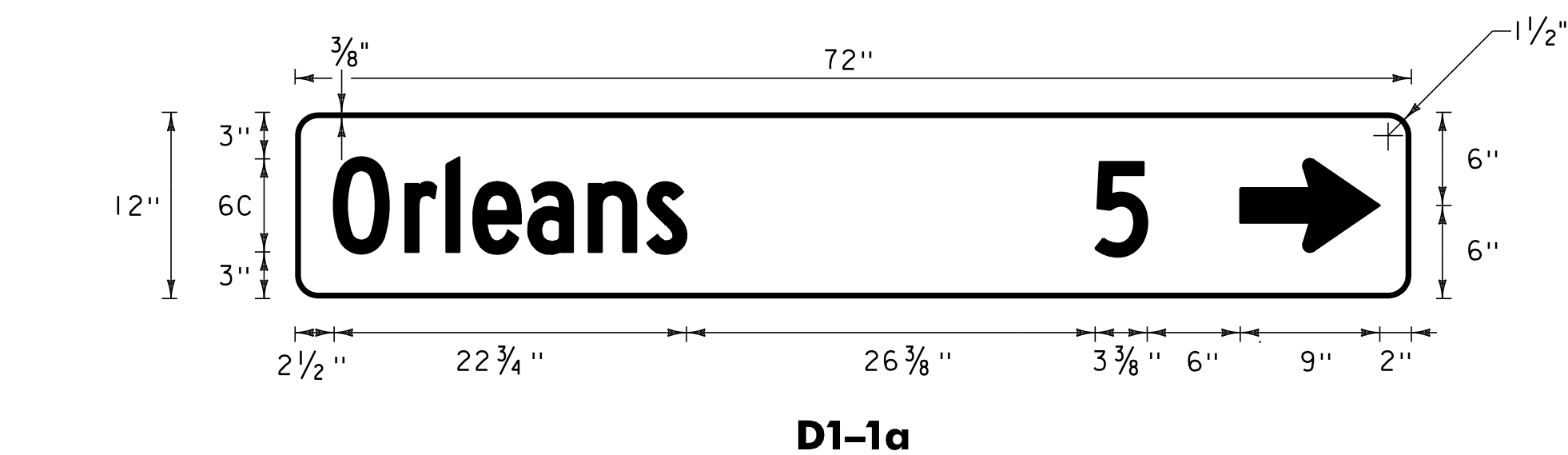
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

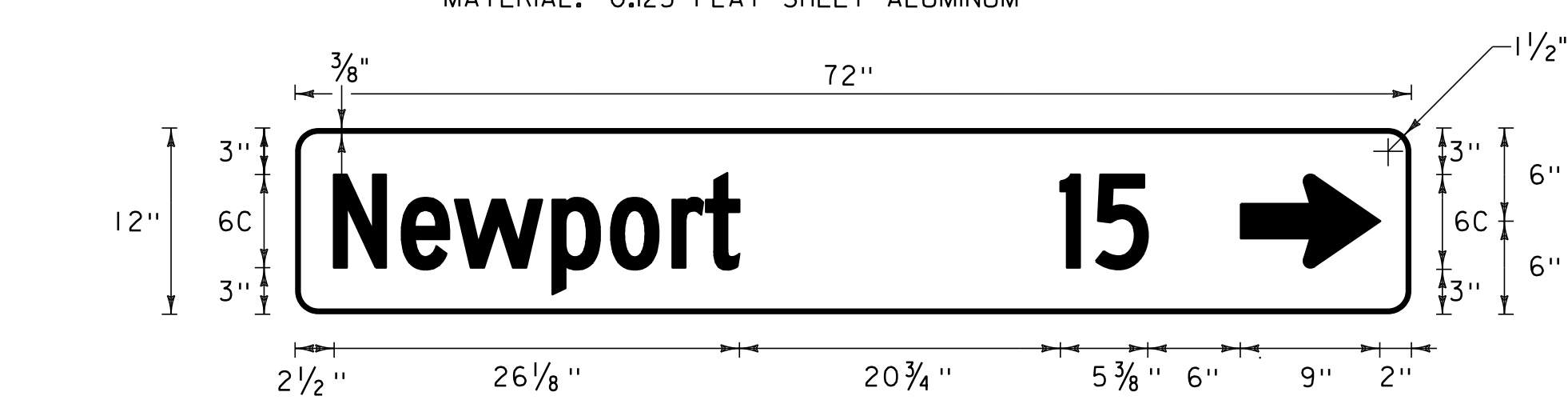
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

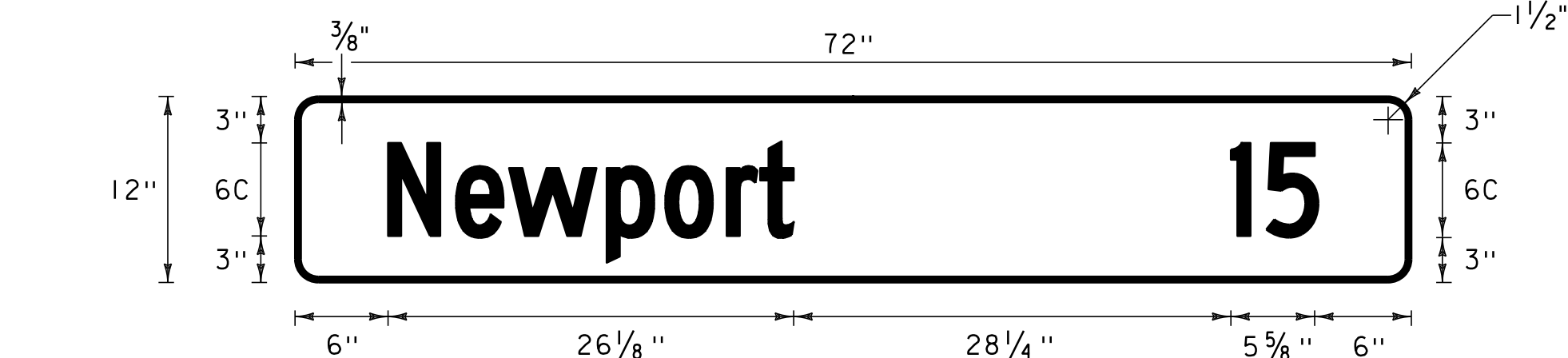
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

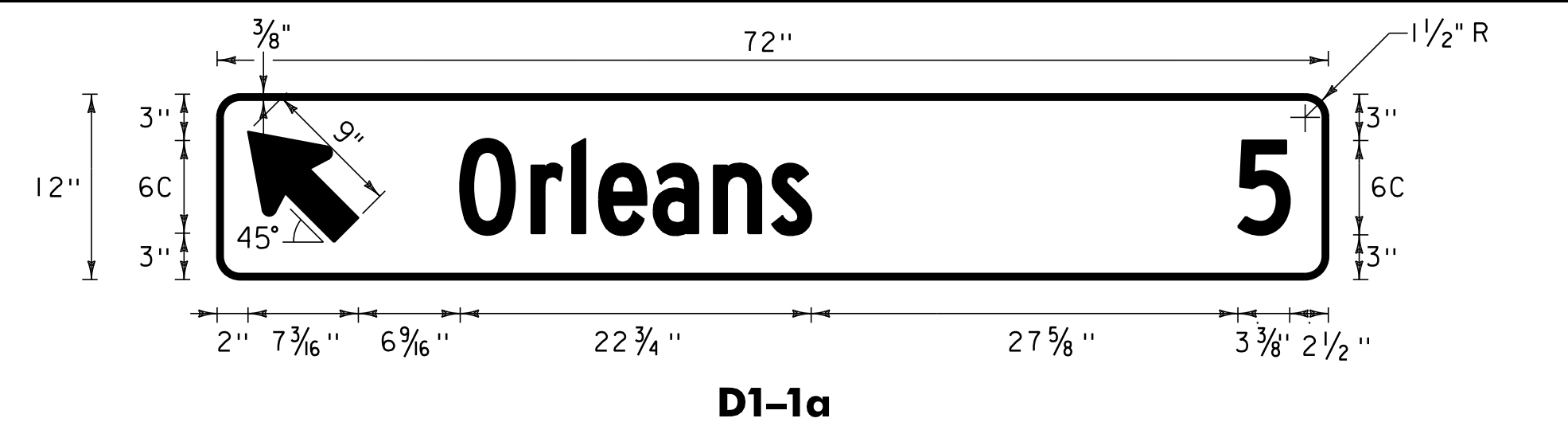
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

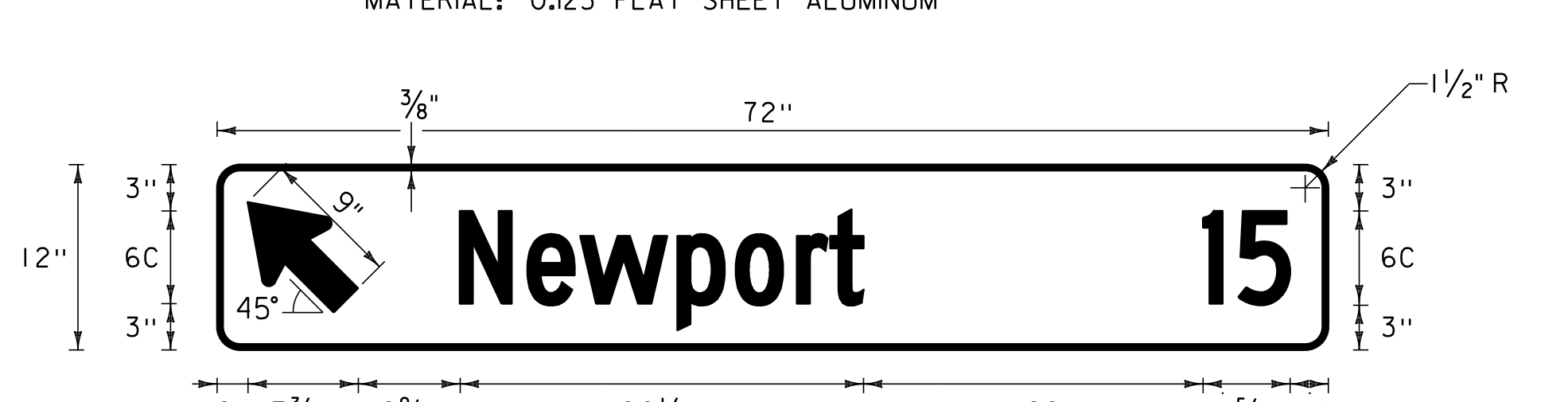
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

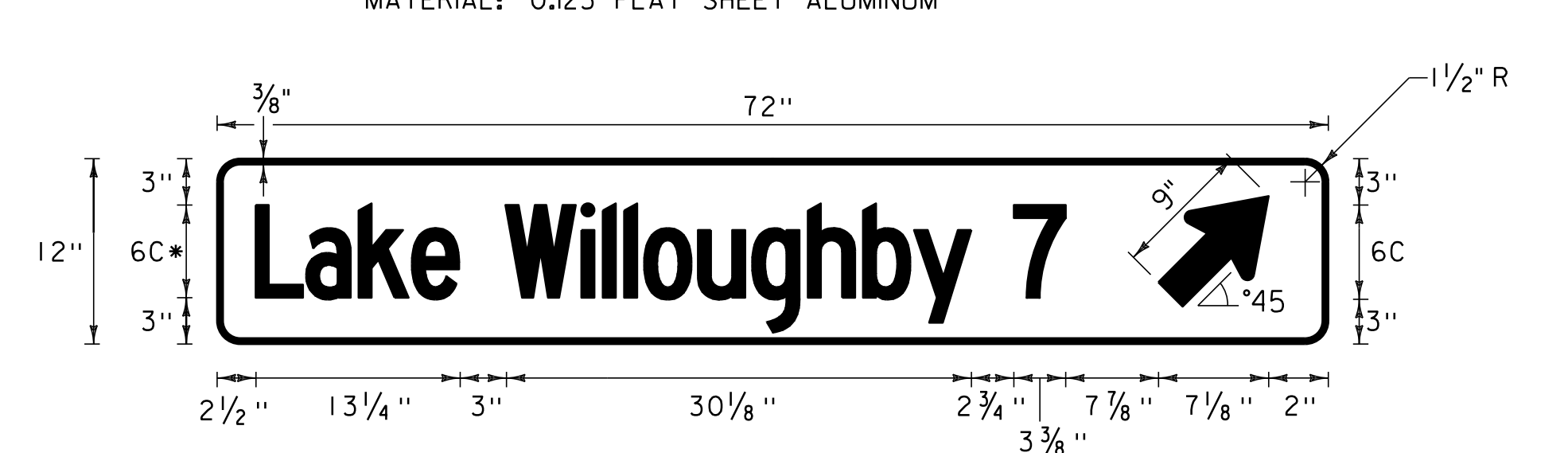
MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

MATERIAL: 0.125" FLAT SHEET ALUMINUM

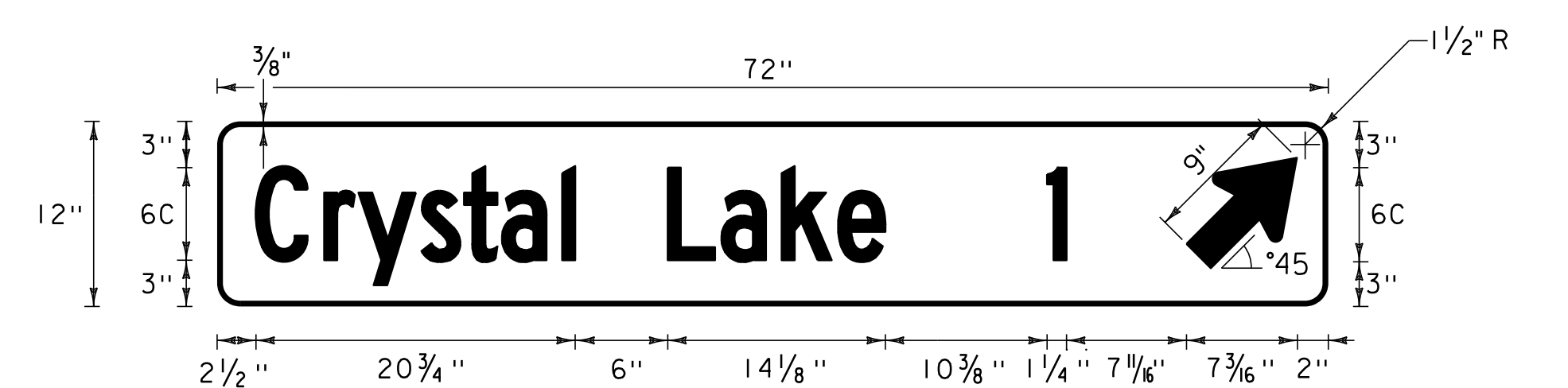


*REDUCE SPACING BY 50%

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

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

MATERIAL: 0.125" FLAT SHEET ALUMINUM



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

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

MATERIAL: 0.125" FLAT SHEET ALUMINUM

NOT TO SCALE

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

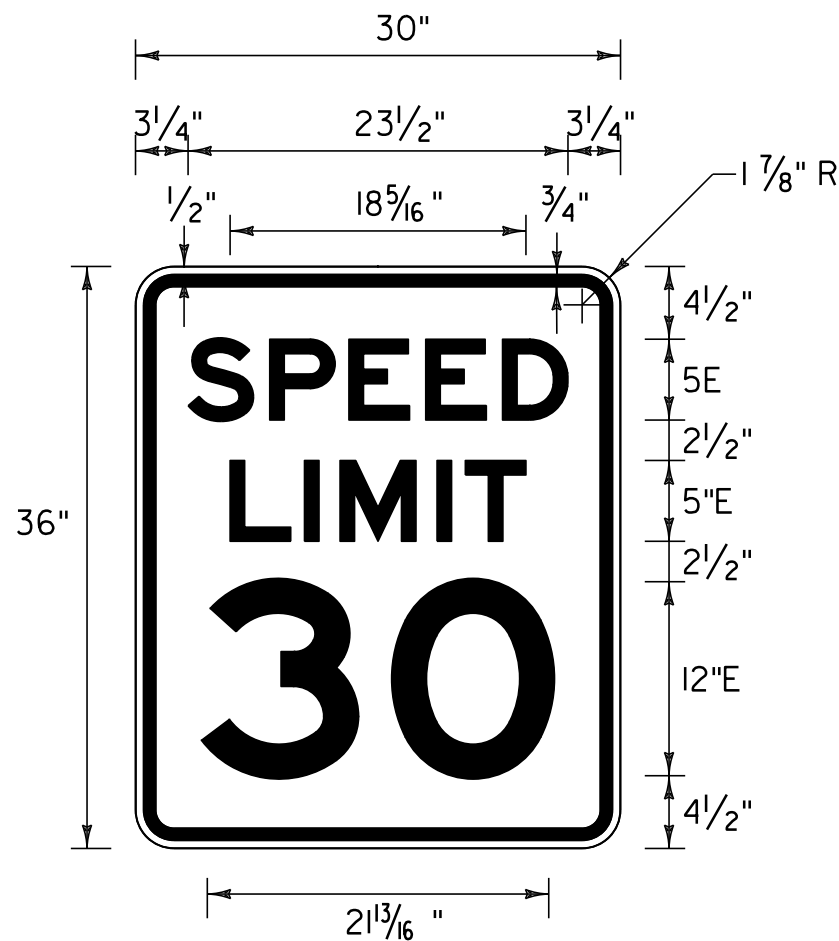
TRAFFIC
SIGN
DETAIL
SHEET #3

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



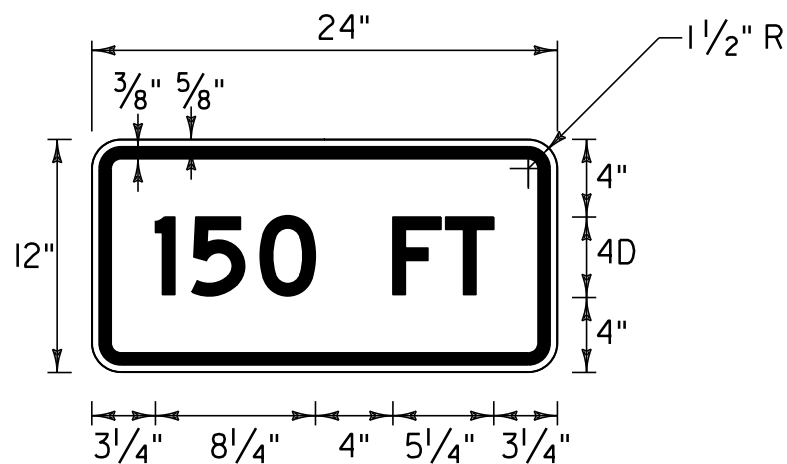


R2-1

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

COLOR: BLACK BORDER & TEXT
WHITE BACKGROUND (RETROREFLECTIVE)

MATERIAL: PER TRAFFIC SIGN TABLE

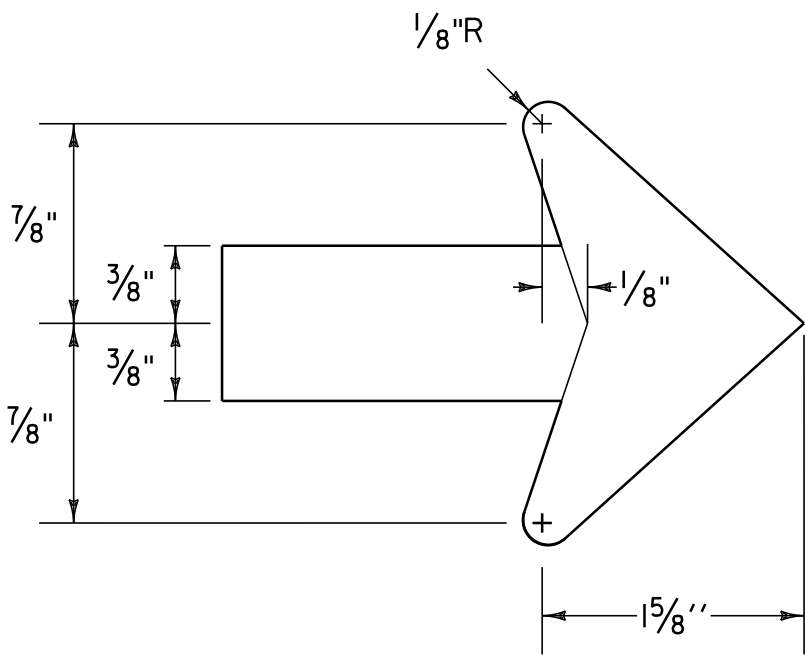


W16-2aP

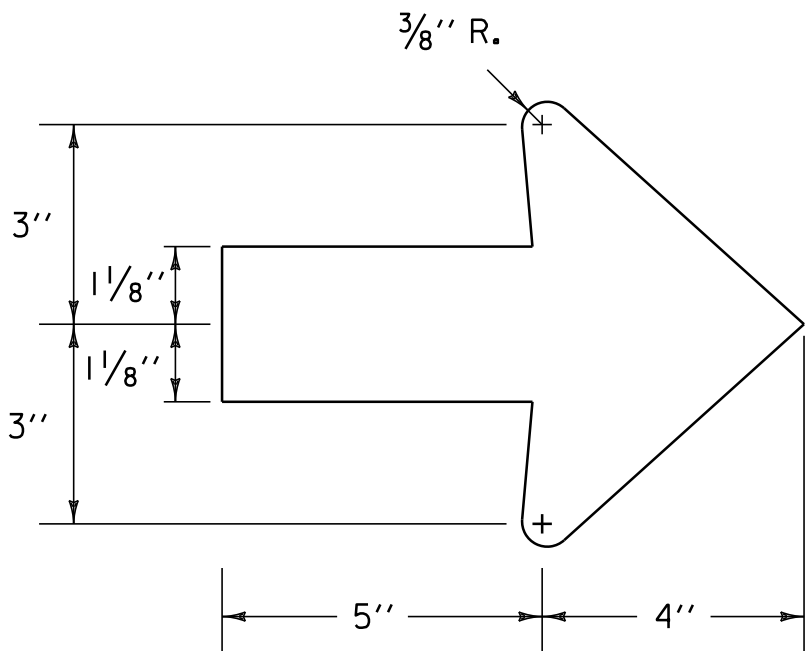
LOCATION: VT ROUTE 58:
STA. 22+35, RT

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

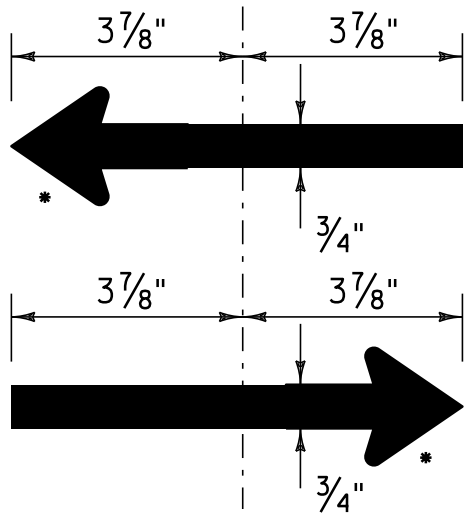
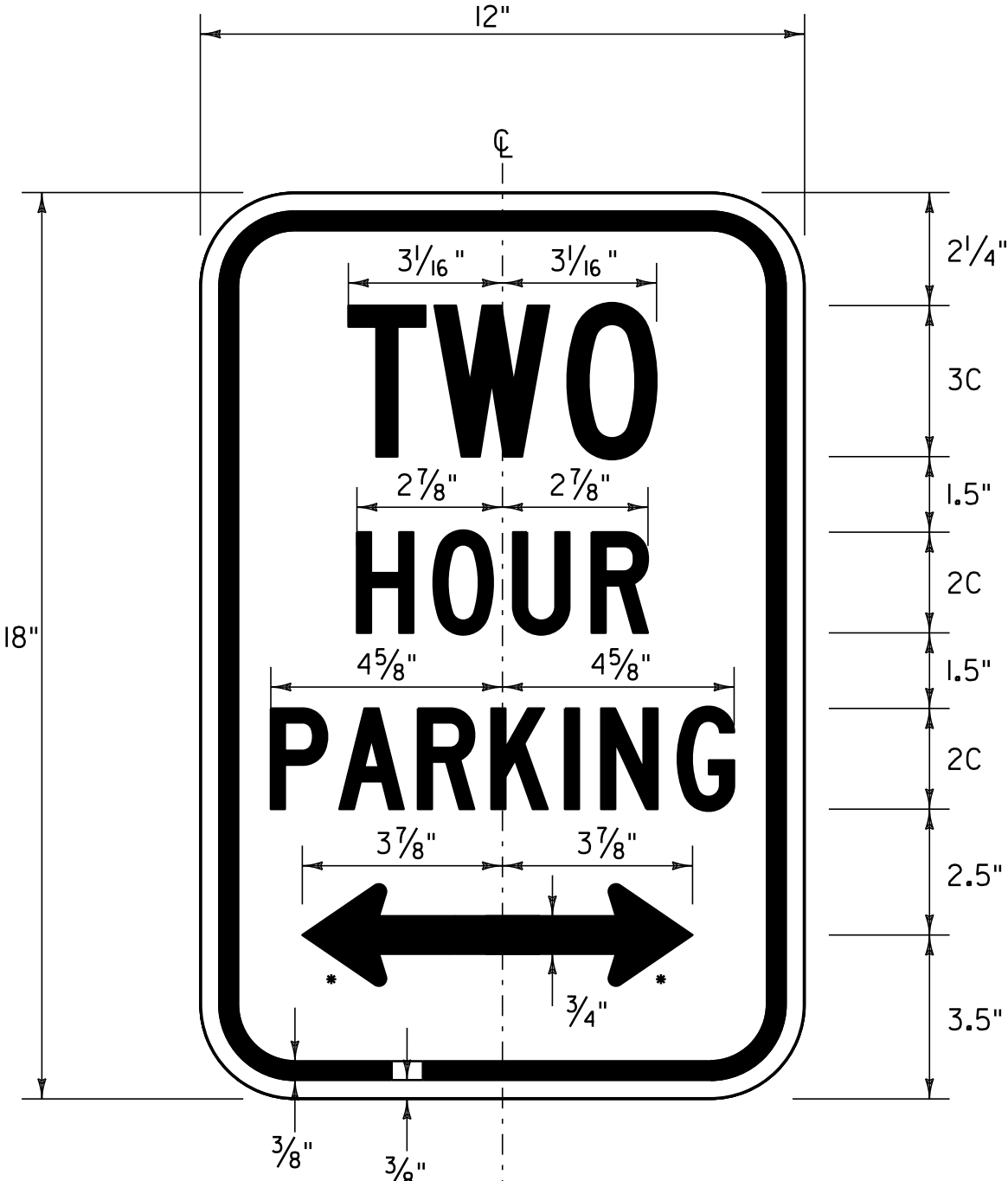
MATERIAL: PER THE TRAFFIC SIGN TABLE



ARROW DETAIL FOR PARKING SIGNS



ARROW DETAIL FOR DESTINATION BOARDS



*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)

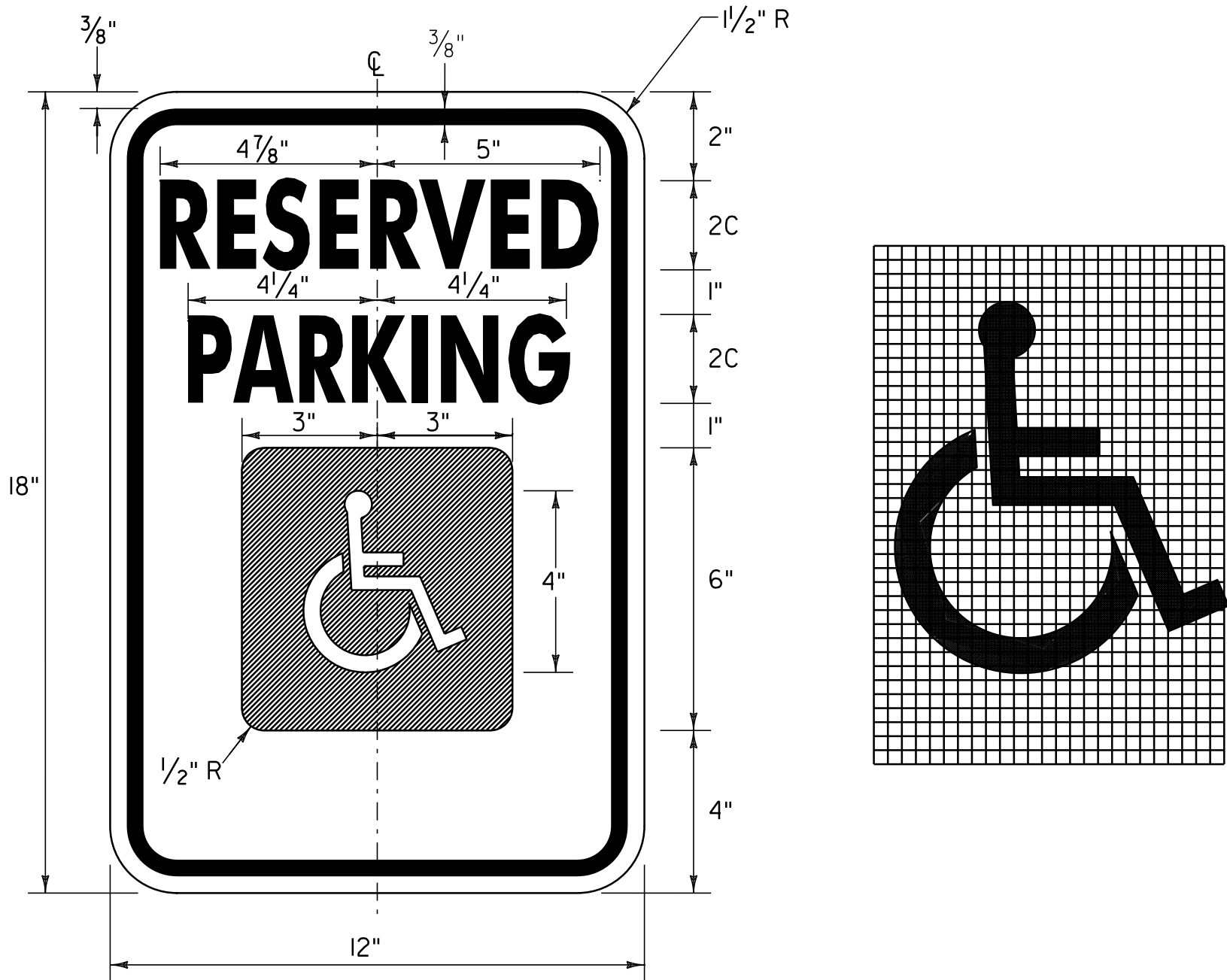
MATERIAL: PER THE TRAFFIC SIGN TABLE



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

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

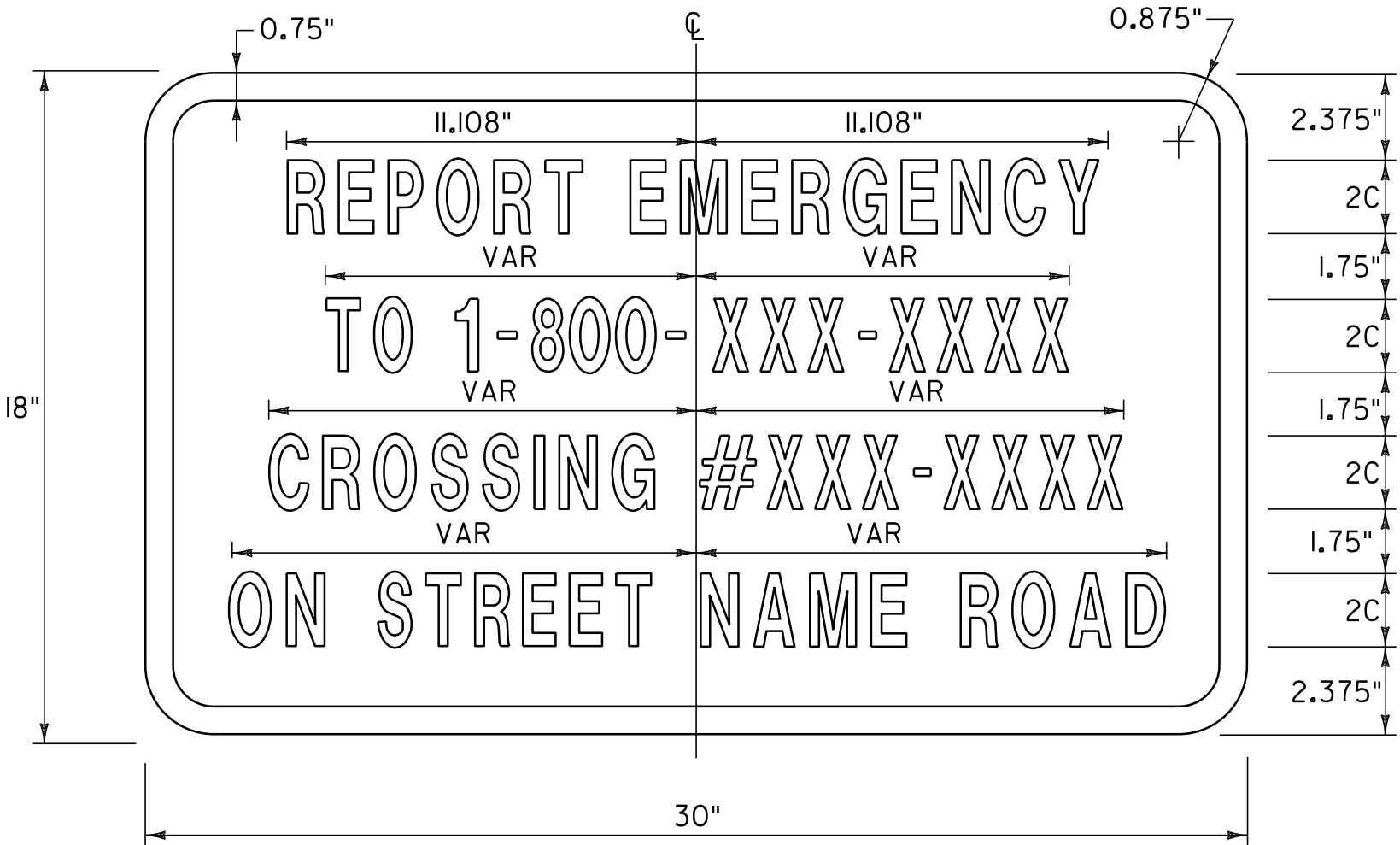
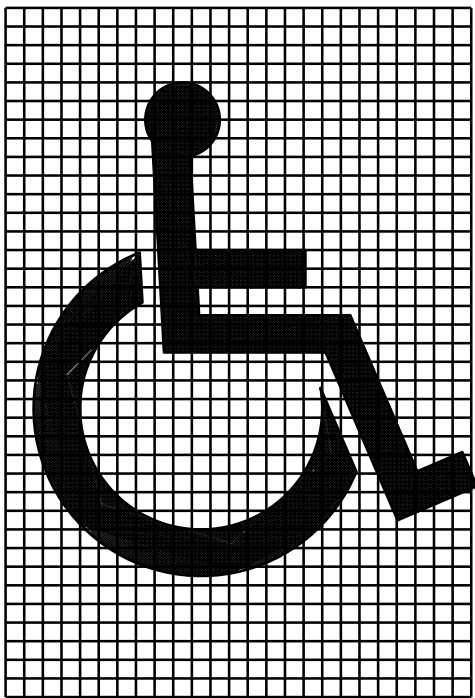
MATERIAL: PER THE TRAFFIC SIGN TABLE



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

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

SIZES				
		24" X 10"	36" X 12"	
			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:

- THE COLORS, LETTERING, DESIGN, AND SPECIFICATION SHALL CONFORM TO THE NOTES SHOWN ON VERMONT STANDARD E-132.
- THE EMERGENCY CONTACT TELEPHONE NUMBER IS 1-877-565-8133
- THE 1-13a 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).
- THE CROSSING NUMBERS ARE #850-879H ON MAIN STREET, AND 850-878B ON NORTH AVE.

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(1)

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



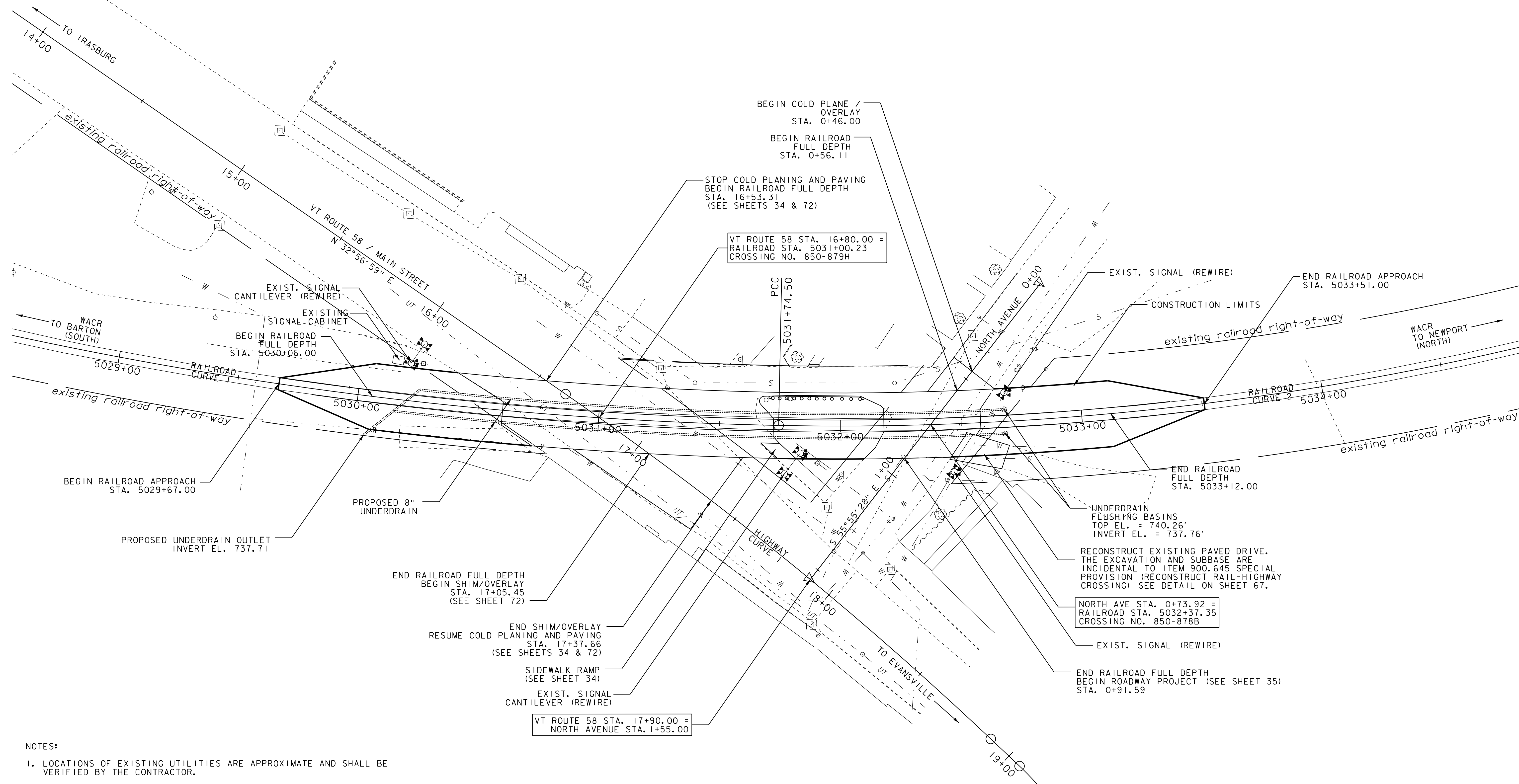
RAILROAD
CURVE 1 DATA

PC = 5027+67.57
PI = 5029+72.06
PCC = 5031+74.50
R = 1654.40'
 $\Delta = 14^{\circ}05'35''$, LT
D = 3°27'48"
L = 406.93

RAILROAD
CURVE 2 DATA

PCC = 5031+74.50
PI = 5033+58.06
PT = 5035+38.94
R = 1230.00'
 $\Delta = 16^{\circ}58'35''$, LT
D = 4°39'30"
L = 364.44

HIGHWAY	
CURVE 1 DATA	
PC =	16+62.99
PI =	17+76.55
PT =	18+89.67
R =	1500.00'
Δ =	8° 39' 31" , RT
D =	3° 49' 11"
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.

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

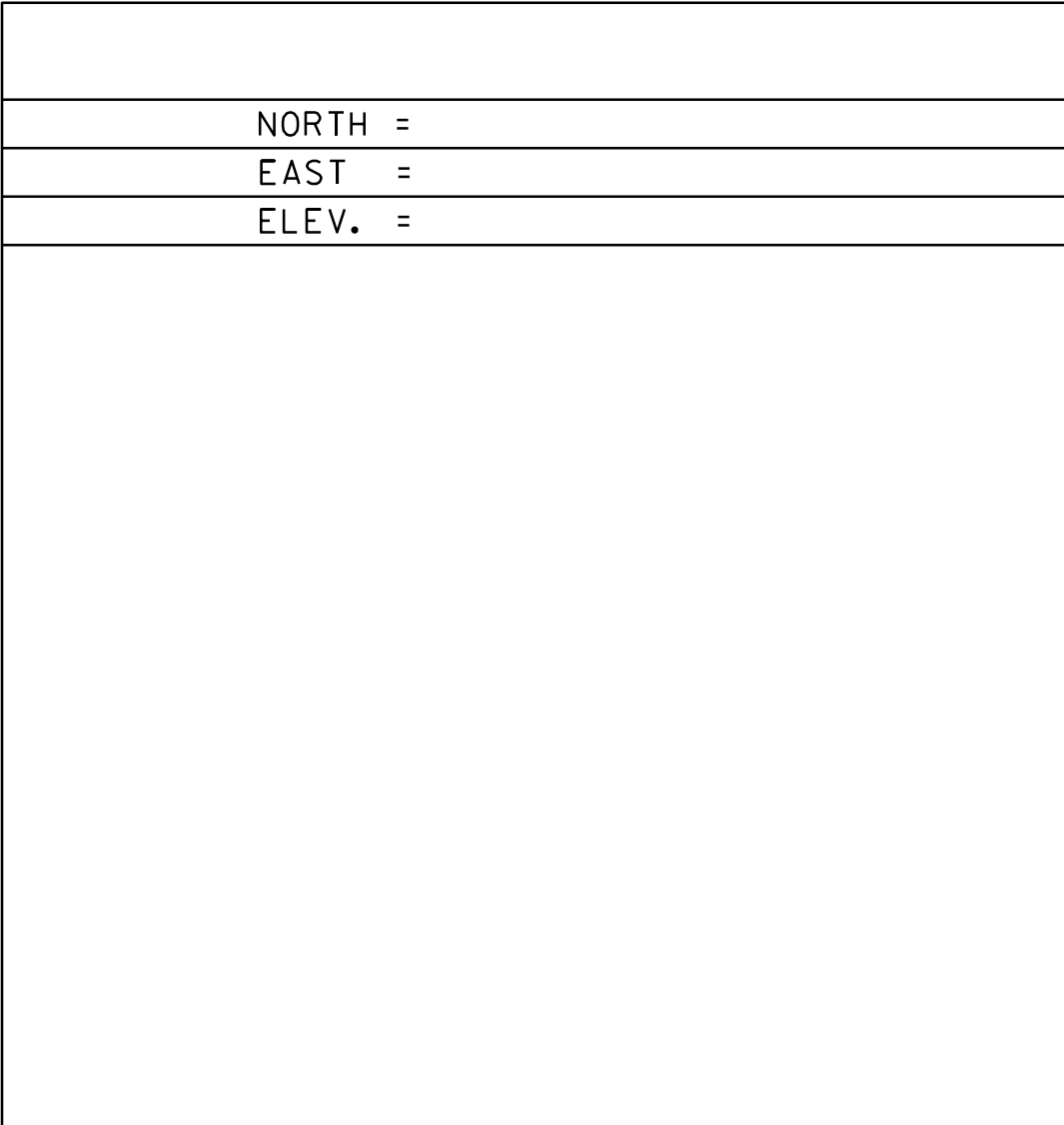
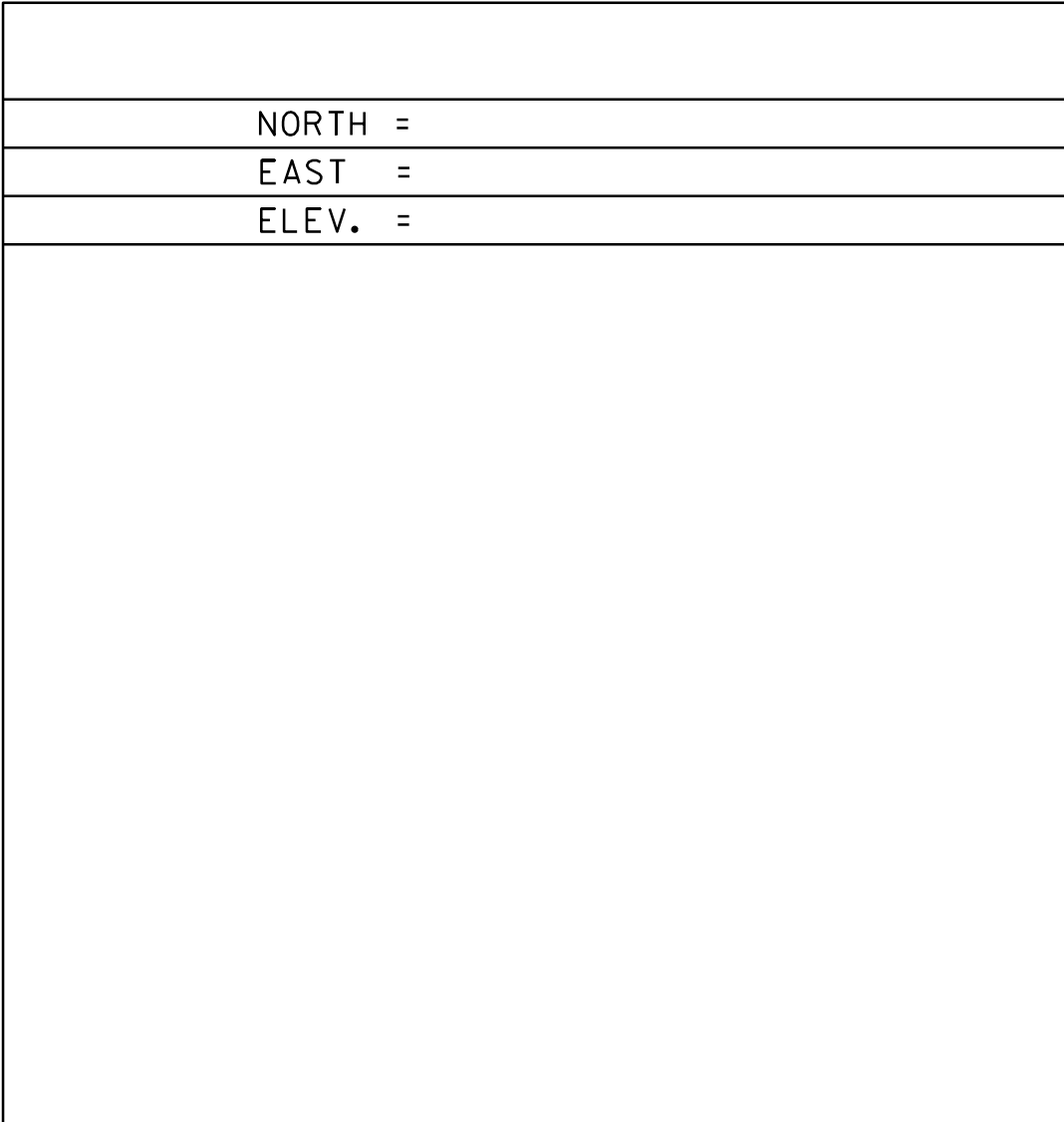
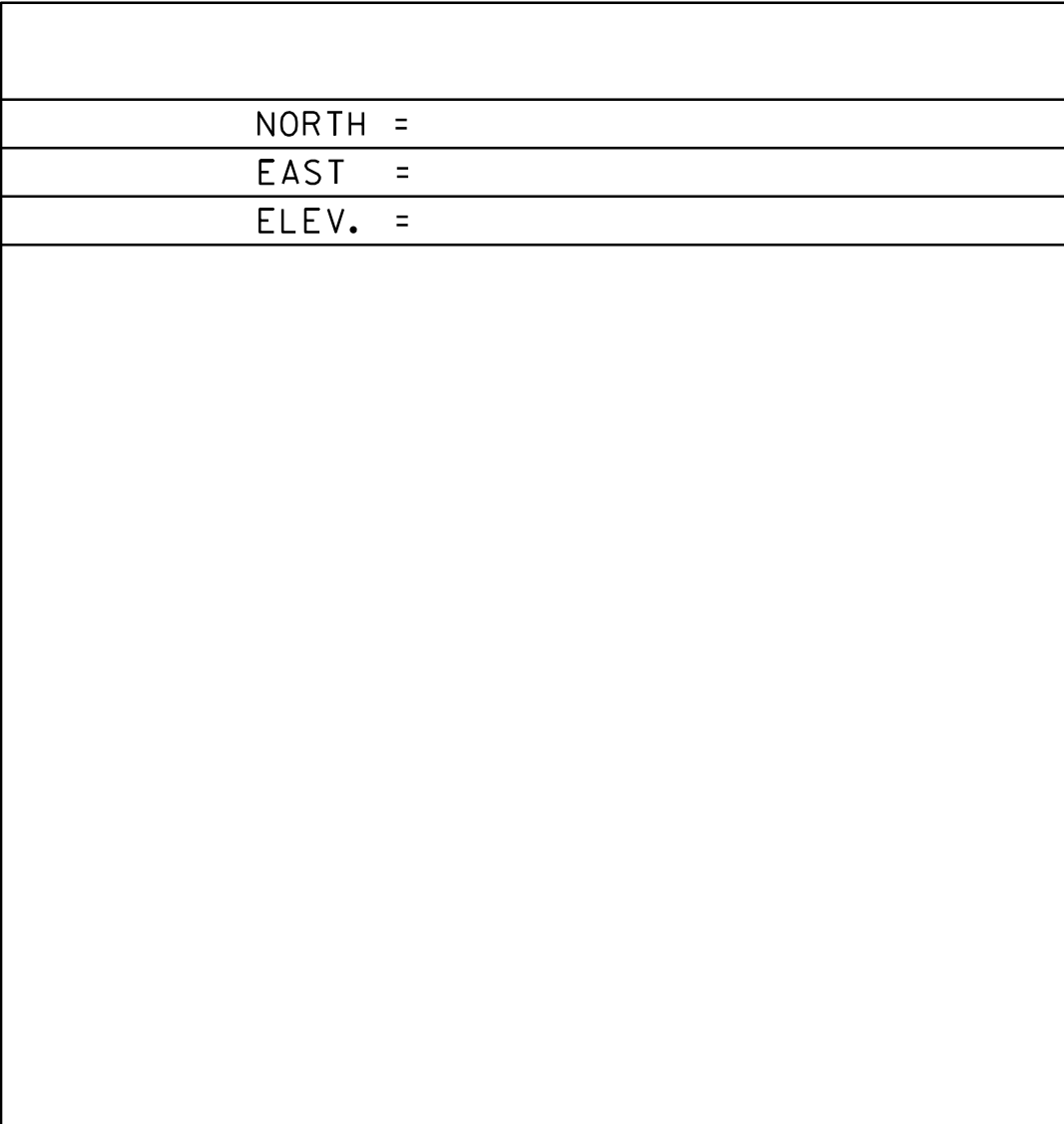
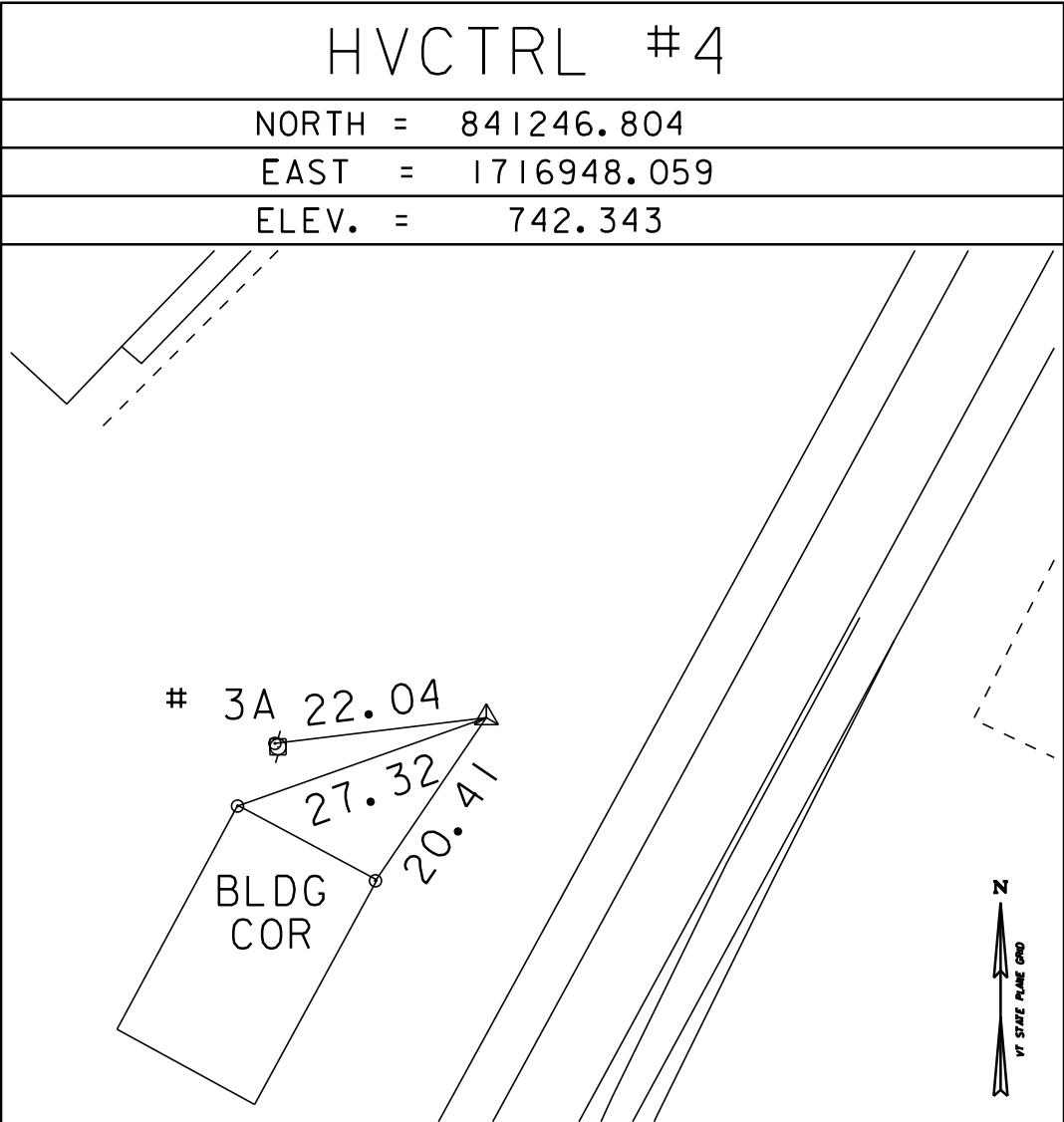
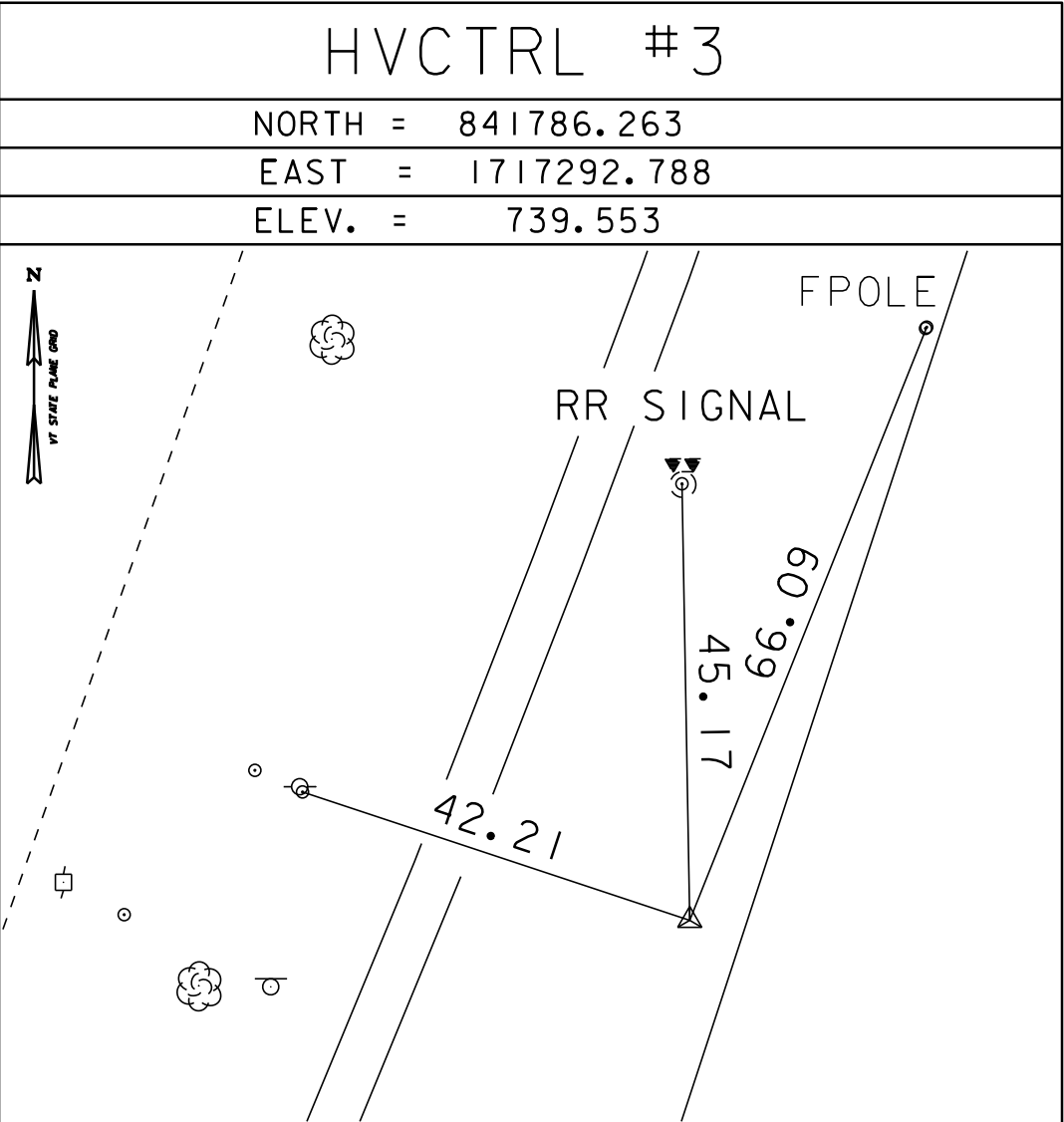
BARTON, VERMONT. IN THE 191 MEDIAN, 10.5 M SOUTHEAST OF AND ABOUT 0.7 M LOWER THAN THE EDGE OF PAVEMENT OF THE SB LANE, 18.1 M NORTHWEST OF THE EDGE OF PAVEMENT OF THE NB LANE, 91.9 M SOUTH
SOUTHWEST OF THE SOUTHWEST CORNER OF THE SB BRIDGE ABUTMENT OVER ROUTES 5 AND 58, 96.3 M
SOUTHWEST OF THE SOUTHWEST 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

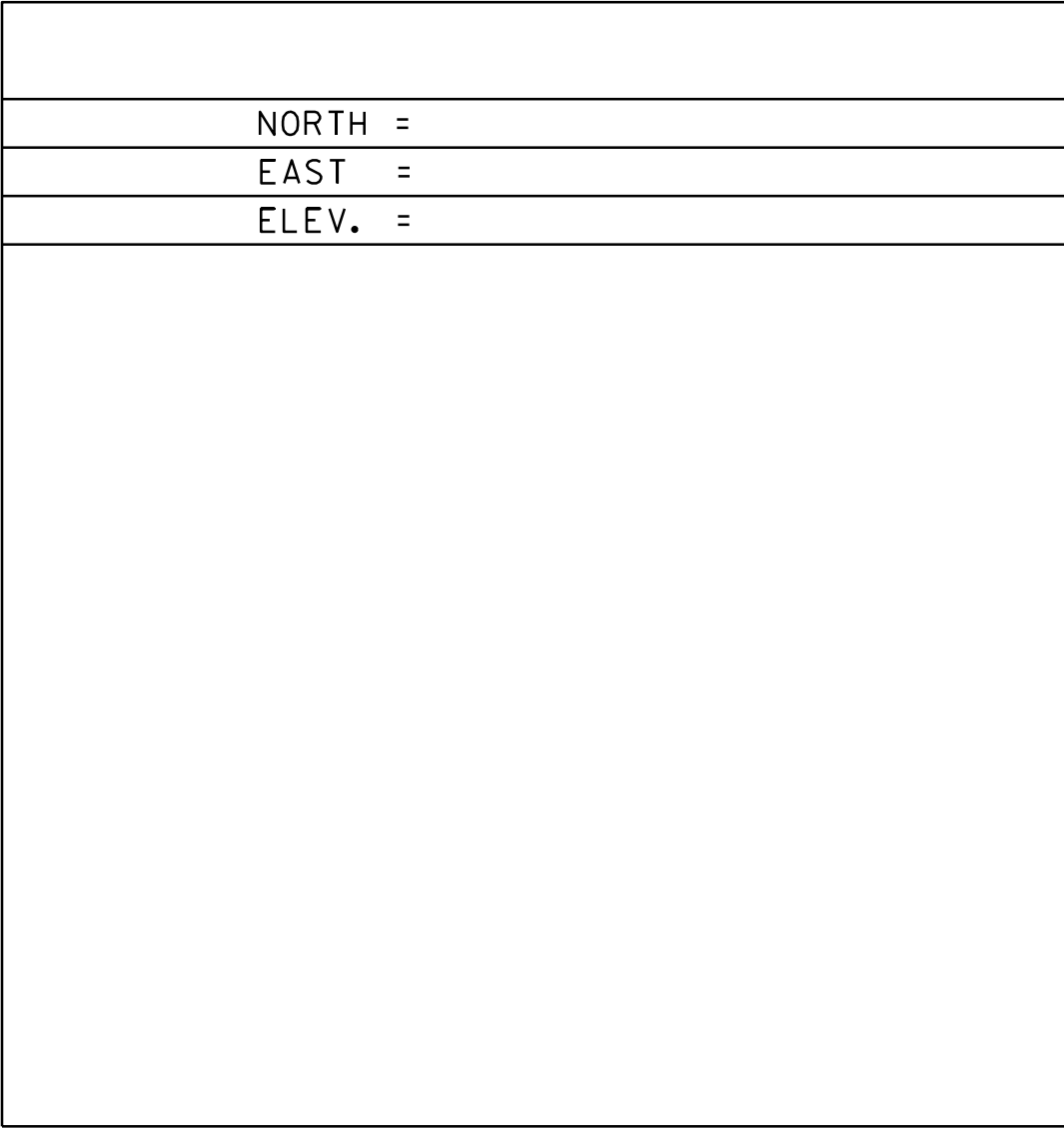
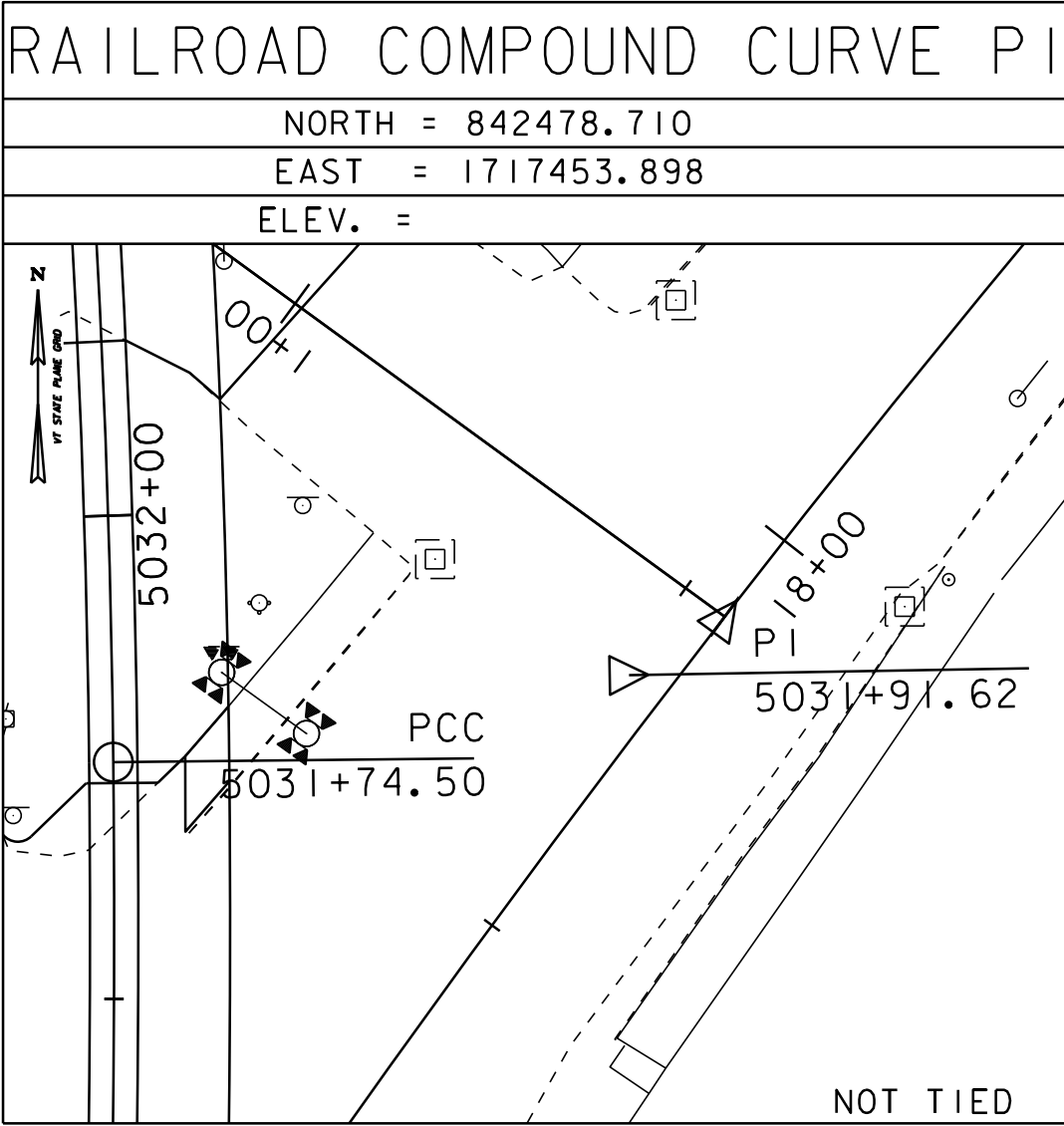
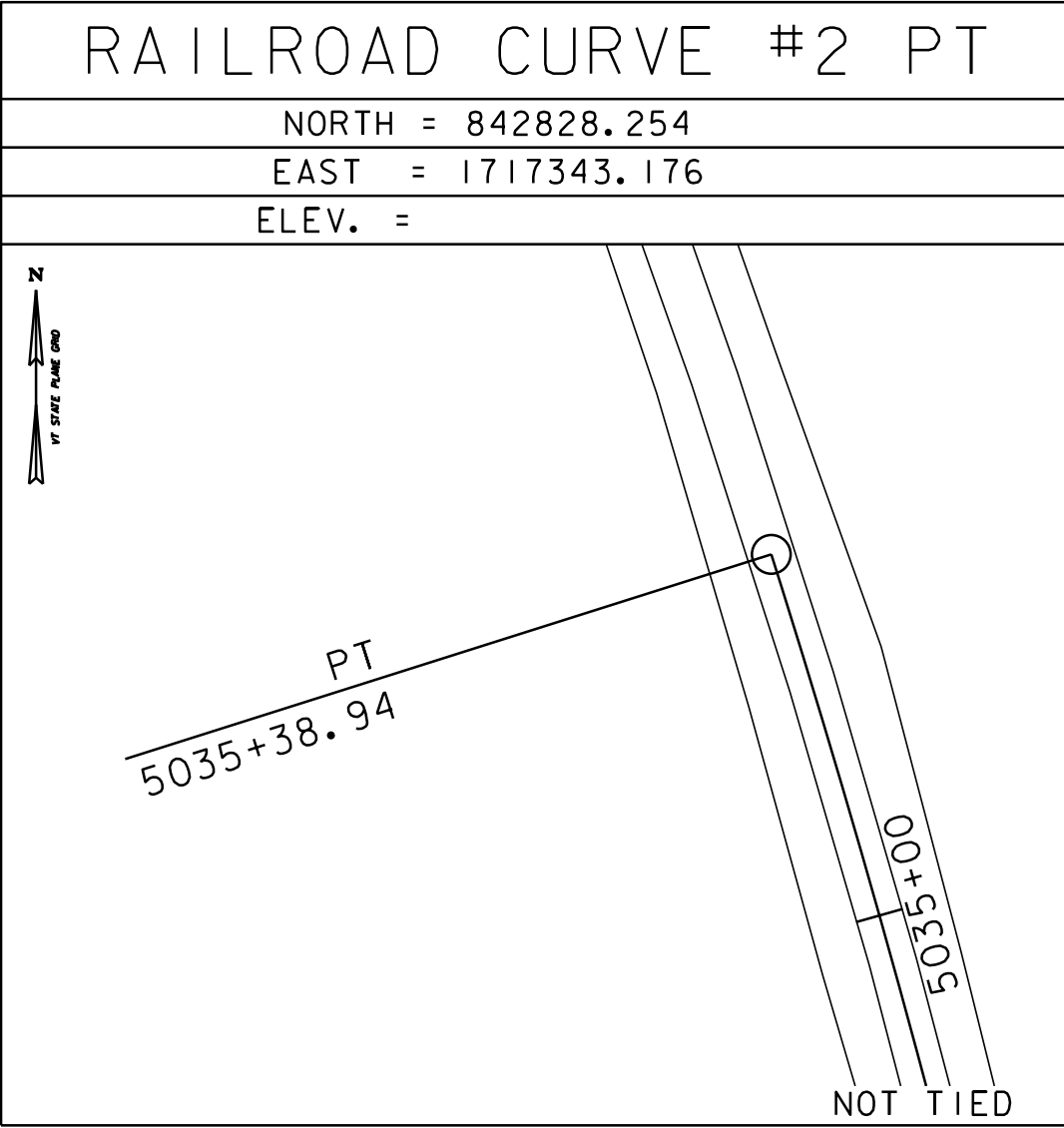
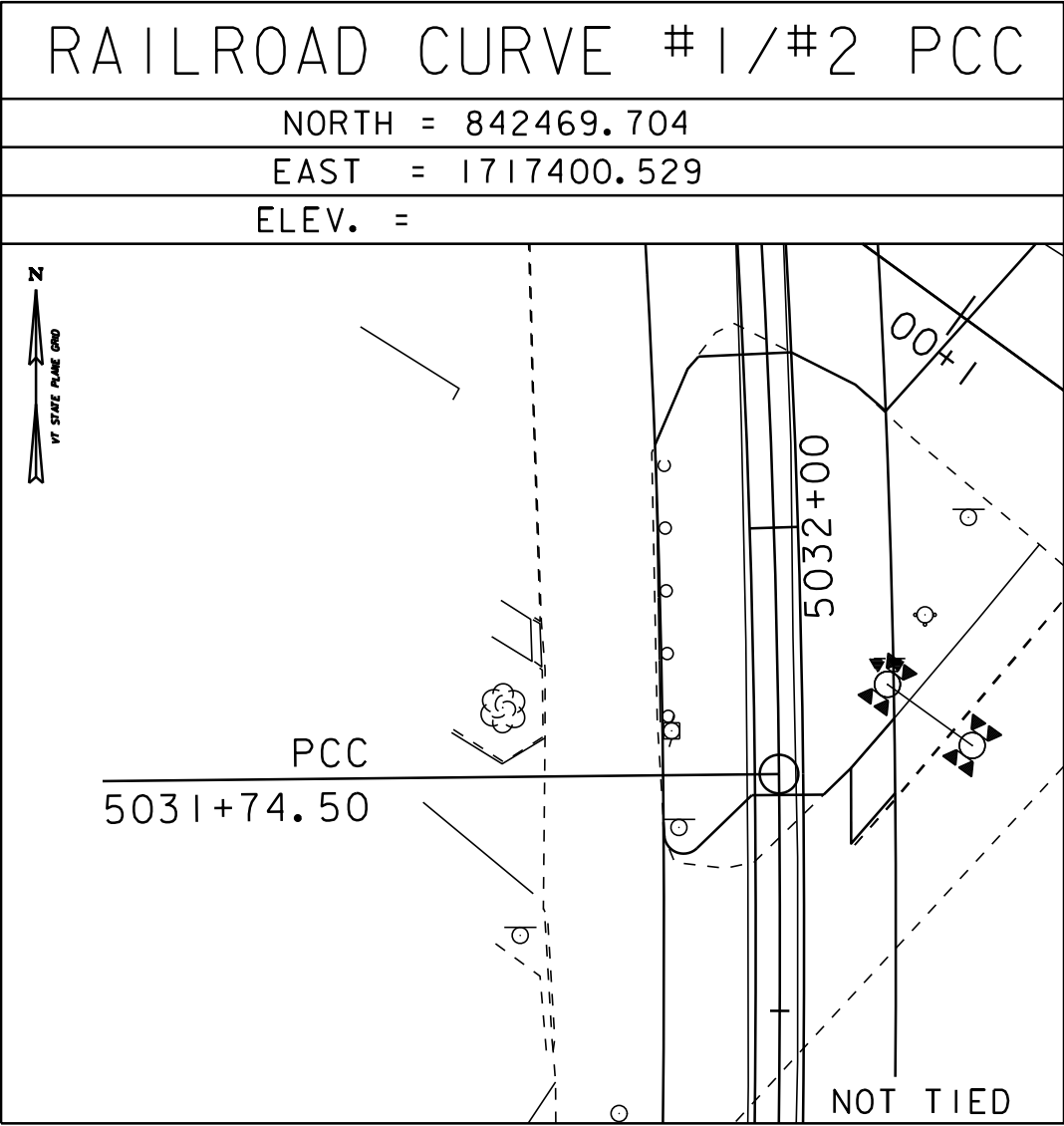
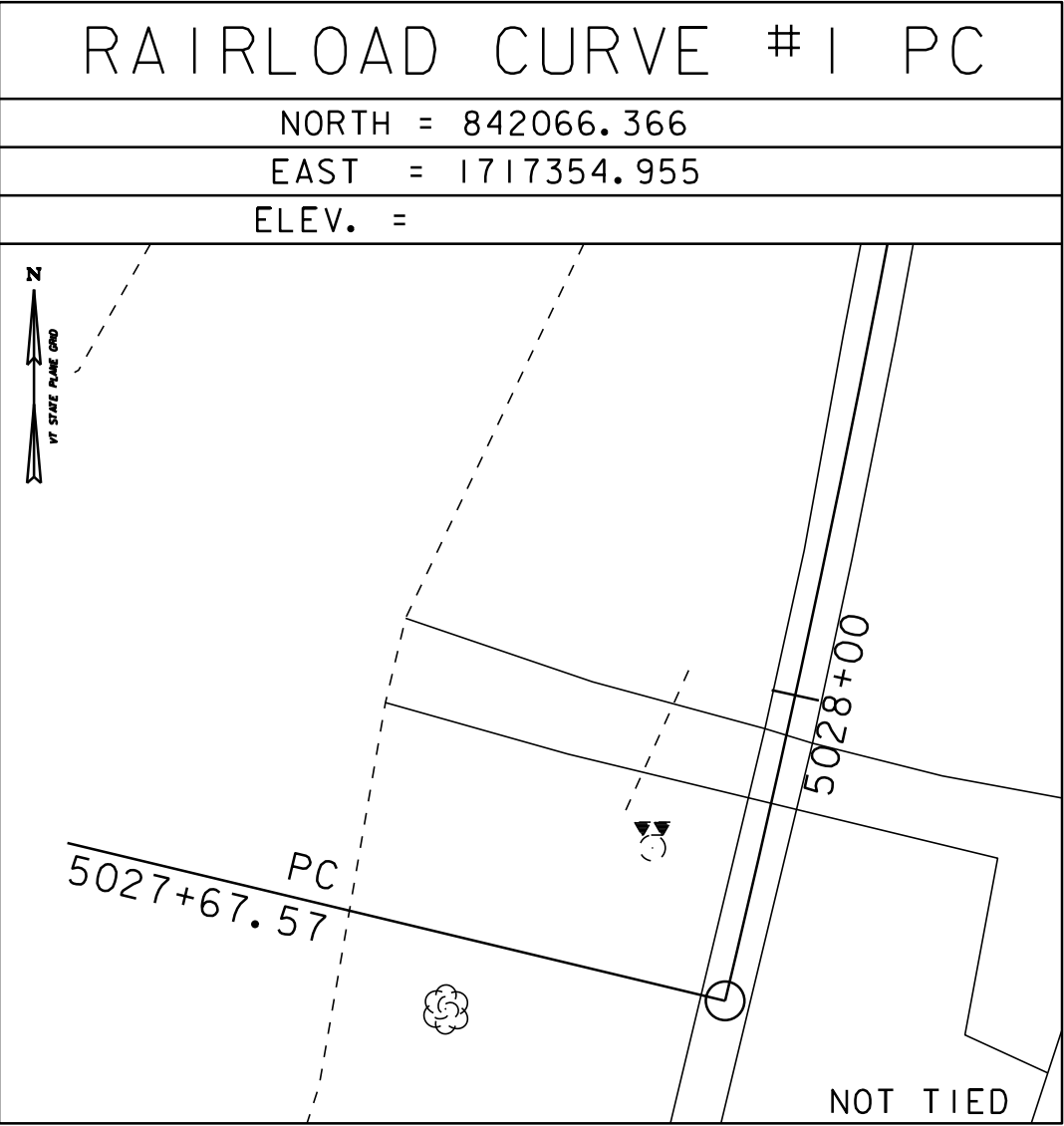
BARTON, VT. SOUTHWEST OF THE VILLAGE OF ORLEANS. ABOUT 30 M NORTHEAST OF THE ROUTE 5 AND ROUTE
58 INTERSECTION. 12.1 M (39.7 FT) NORTH OF AND ABOUT 4.0 M (13.1 FT) HIGHER THAN THE NORTH
EDGE OF PAVEMENT OF VT ROUTE 58, 16.2 M (53.1 FT) NORTHEAST OF A WOODEN STRAIN POLE, 5.6 M
(18.4 FT) SOUTH SOUTHEAST 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



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

ALIGNMENT TIES



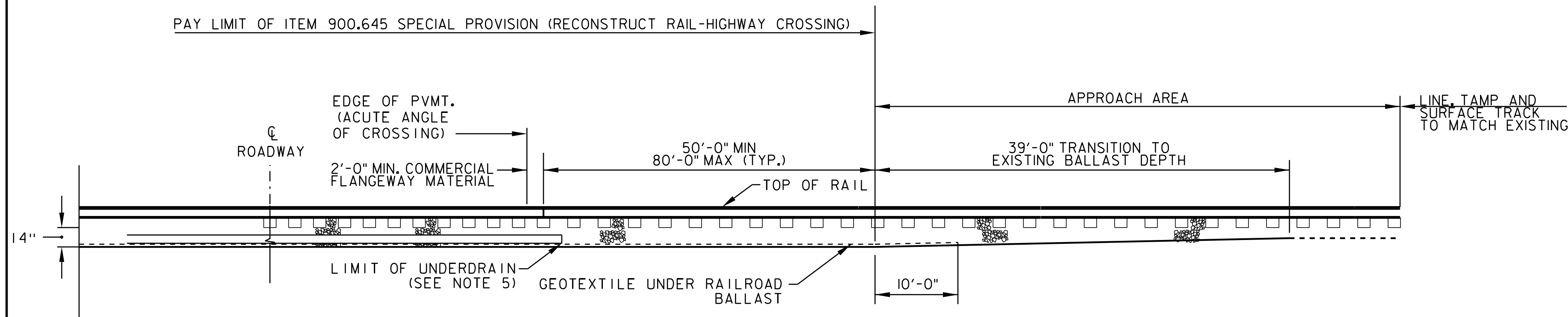
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	COMPASS

NOT TO SCALE

RAILROAD
CROSSING
TIE
SHEET

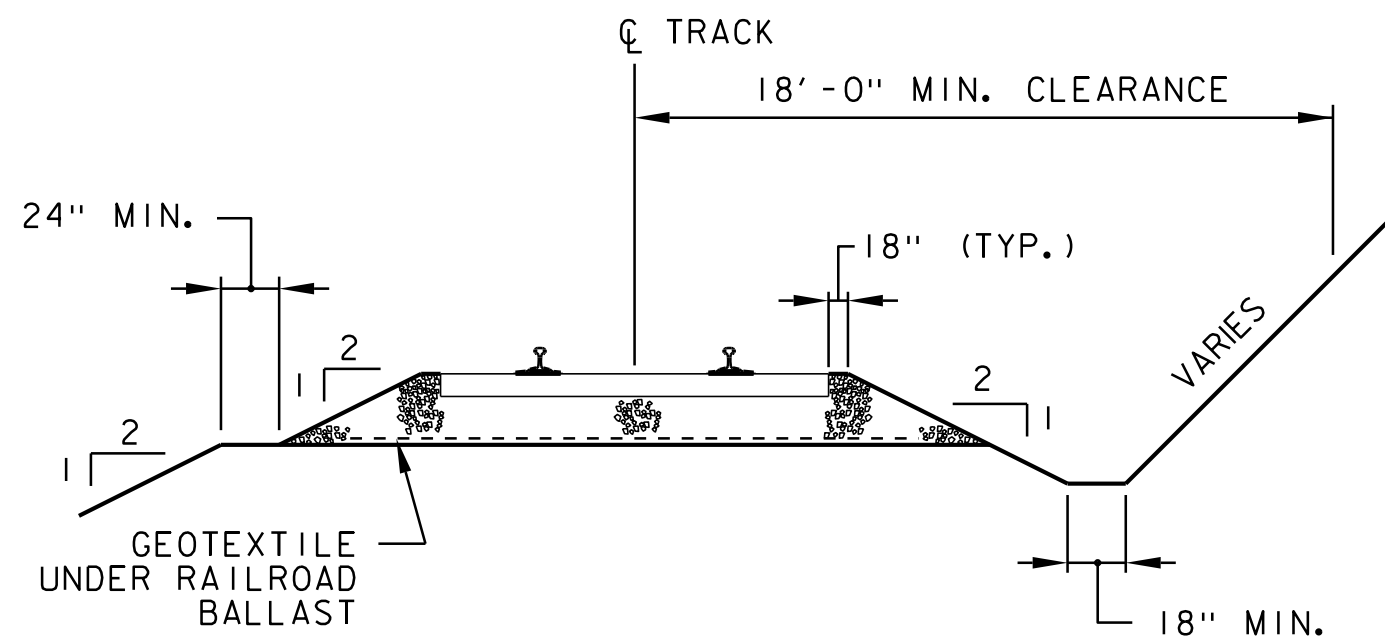
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

FILE NAME: p07c192.dgn	PLOT DATE: 30-OCT-2013 17:0
PROJECT LEADER:	DRAWN BY: R. BULLOCK
DESIGNED BY:	CHECKED BY:
IPARM FILE: p07c192rrct.i	SHEET 66 OF 75



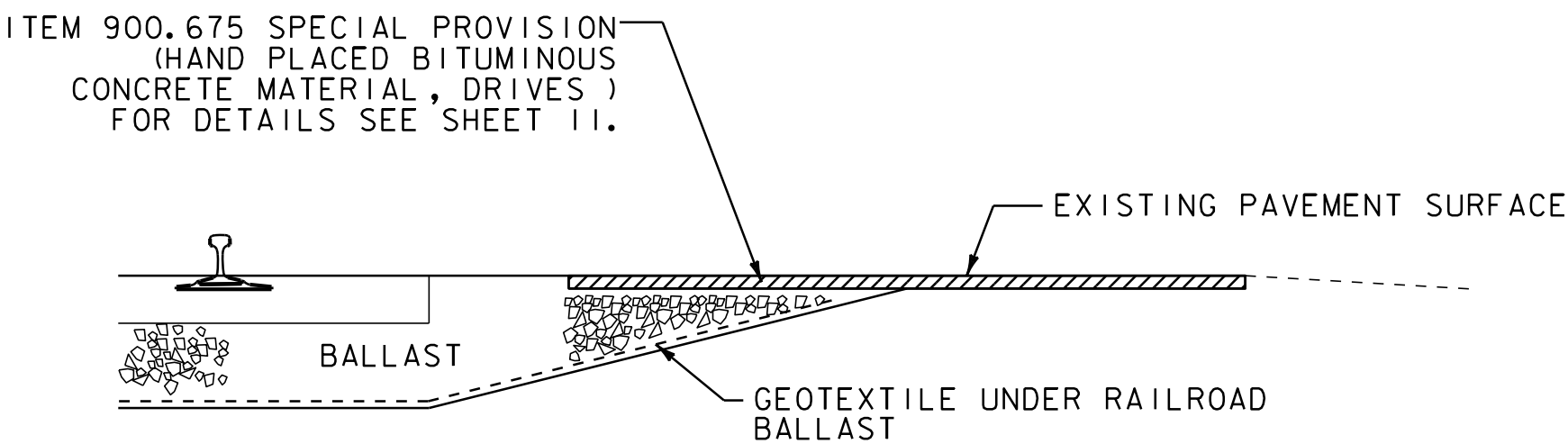
**TYPICAL LONGITUDINAL SECTION
AT ROAD CROSSING**

NOT TO SCALE



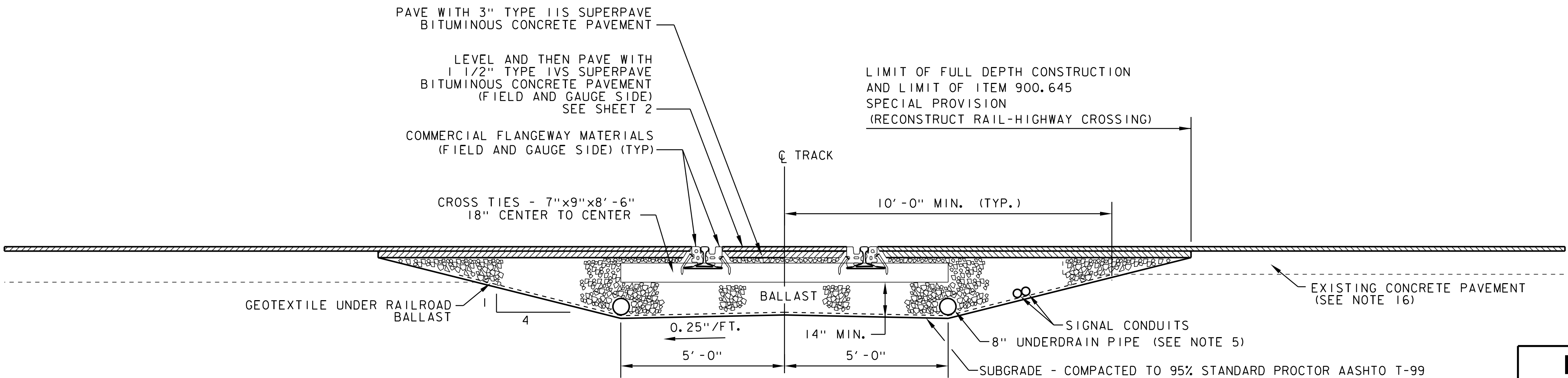
TYPICAL SECTION RAILROAD

NOT TO SCALE



**DRIVE RECONSTRUCTION SECTION
NORTH AVENUE 0+75, LT**

NOT TO SCALE



**TYPICAL TRANSVERSE SECTION
AT ROAD CROSSING**

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 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.

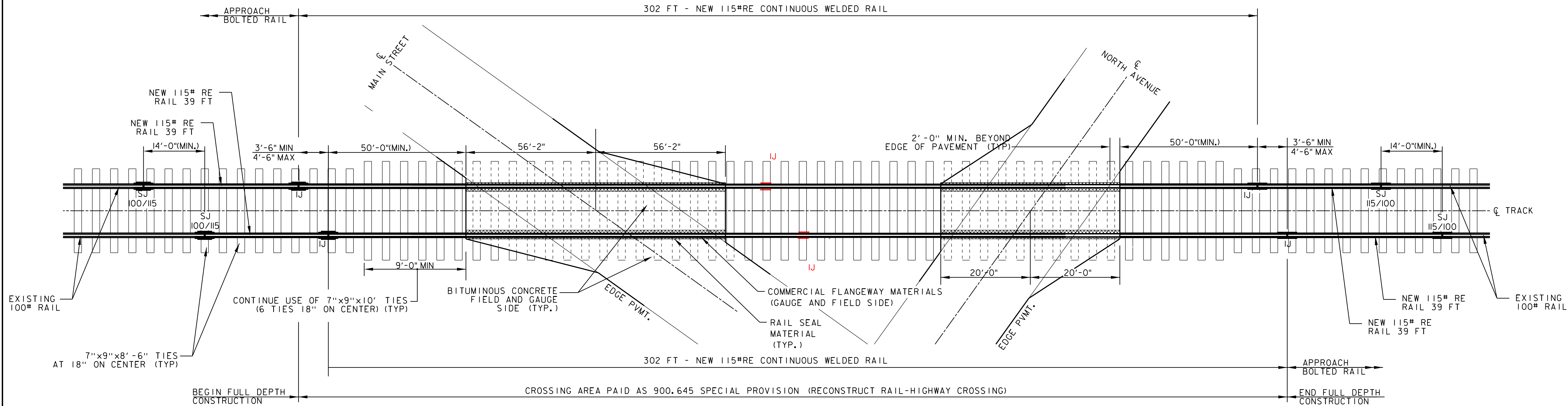


**RAILROAD
CROSSING
TYPICAL
SHEET #1**

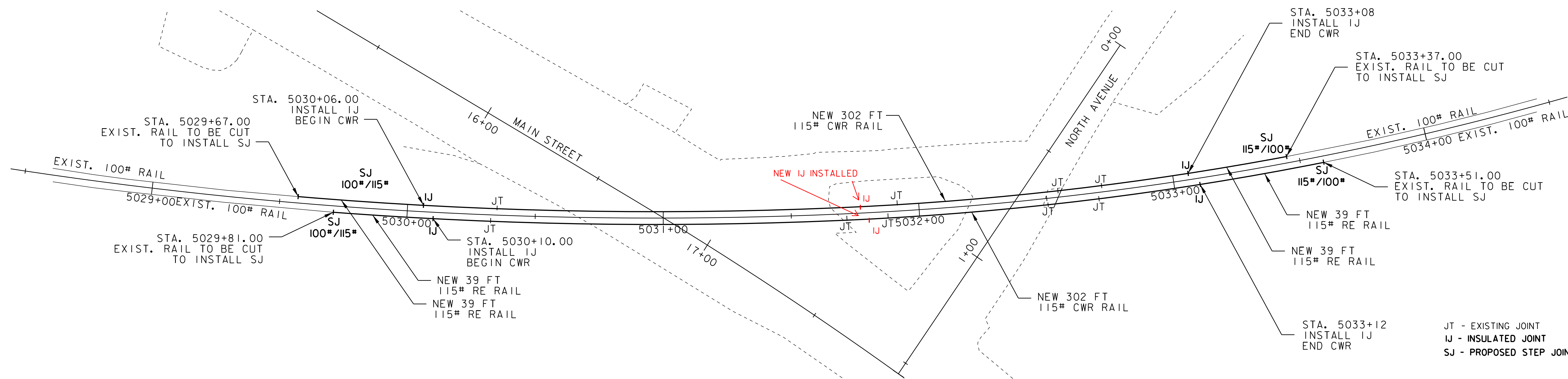
PROJECT NAME: BARTON
PROJECT NUMBER: STP 2702(I)

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



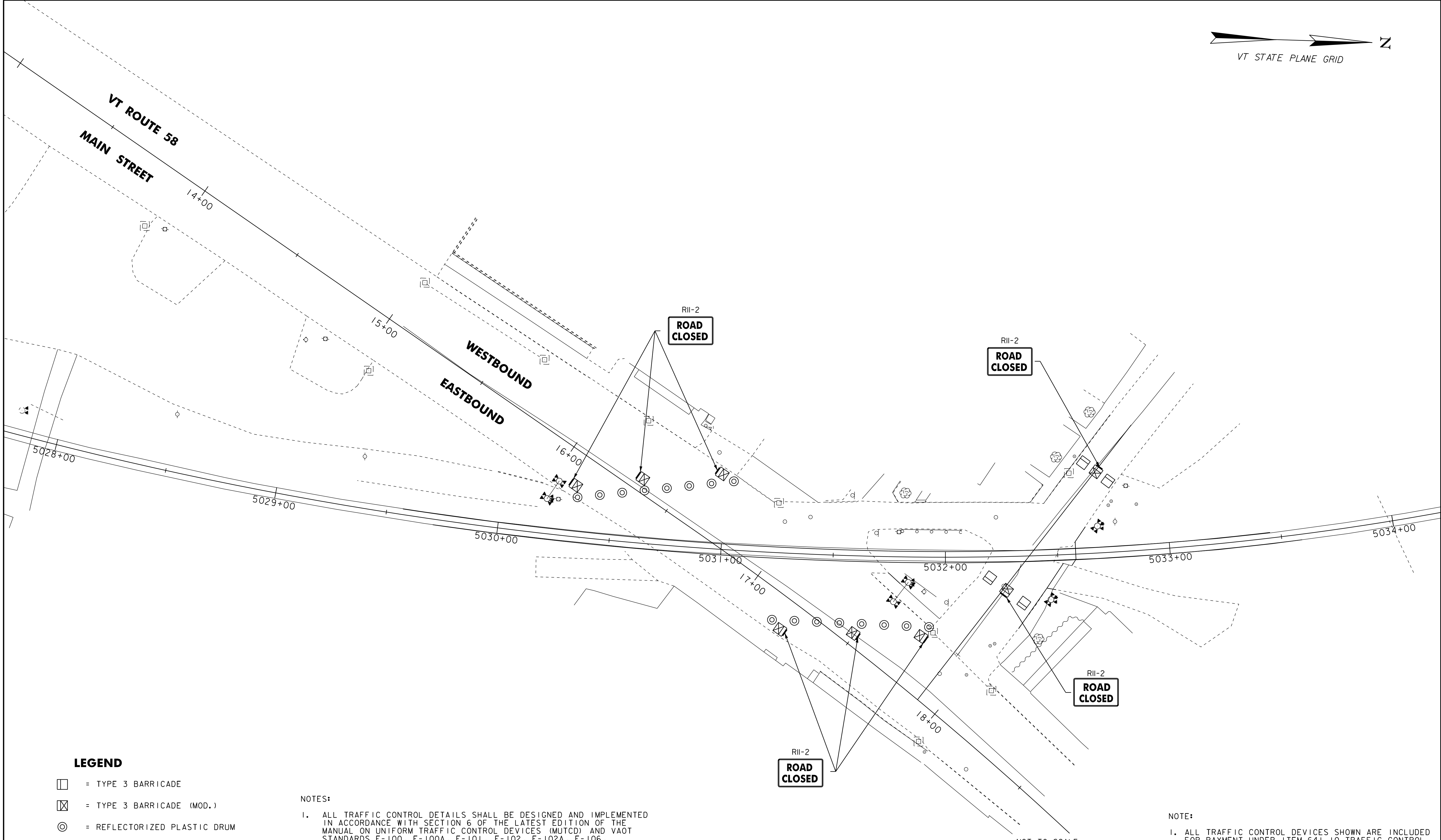
EXISTING AND PROPOSED RAIL JOINT LAYOUT
NOT TO SCALE

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



**RAILROAD
CROSSING
TYPICAL
SHEET #2**

PROJECT NAME:	BARTON
PROJECT NUMBER:	STP 2702(I)
FILE NAME:	p07c192.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



LEGEND

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

NOTES:

- 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.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES IN CONFORMANCE WITH MUTCD SECTION 6D AND THE PEDESTRIAN TRAFFIC CONTROL NOTES ON SHEET 75.
- THE CONTRACTOR SHALL MAINTAIN DRIVE ACCESS AT ALL TIMES.

NOTE:

- ALL TRAFFIC CONTROL DEVICES SHOWN ARE INCLUDED FOR PAYMENT UNDER ITEM 641.10 TRAFFIC CONTROL.

NOT TO SCALE

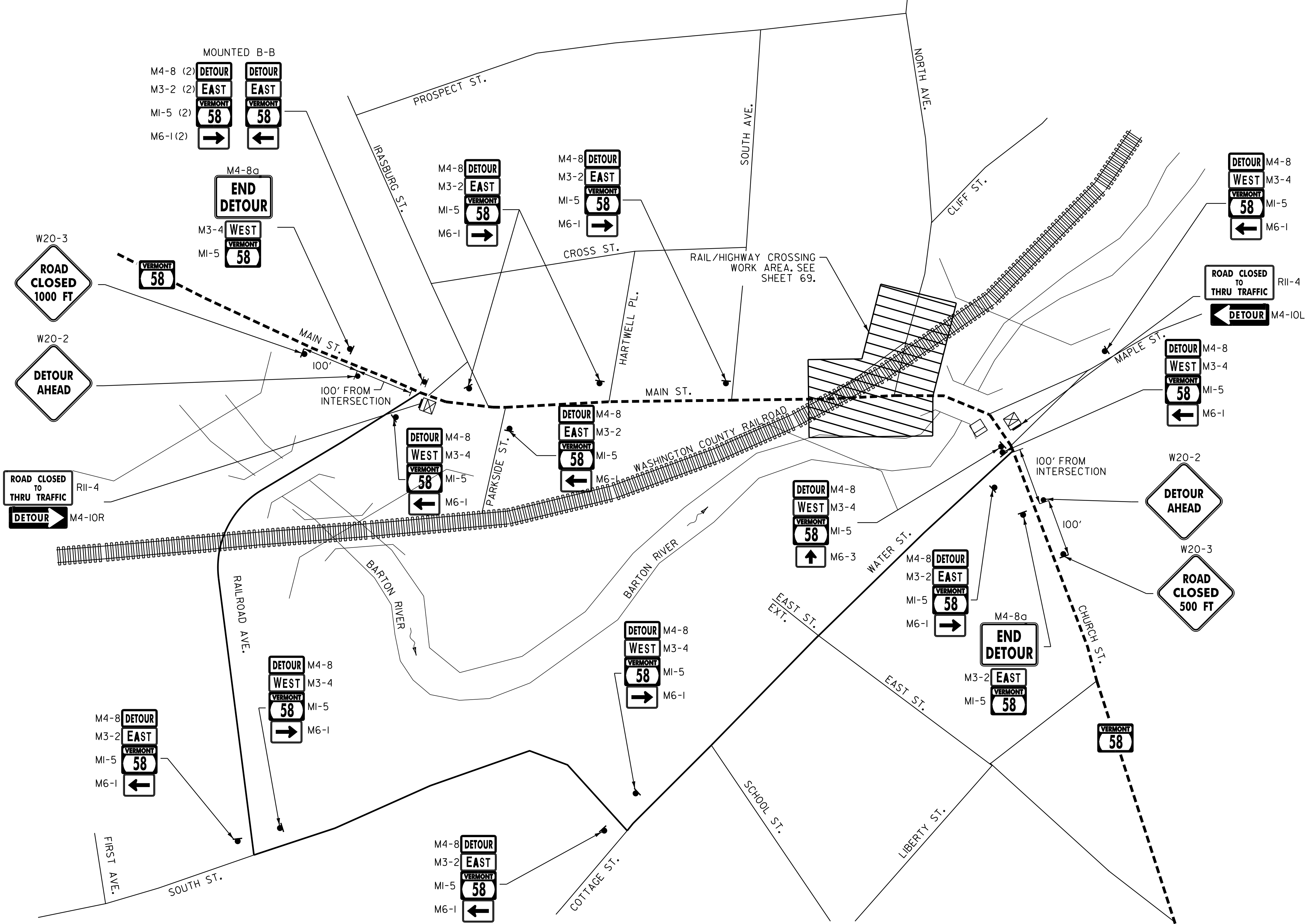


RAILROAD
CROSSING
ROAD CLOSURE
PLAN SHEET

PROJECT NAME:	BARTON	PLOT DATE:	30-OCT-2013 17:0
PROJECT NUMBER:	STP 2702(I)	DRAWN BY:	STANTEC
FILE NAME:	p07c192.dgn	CHECKED BY:	STANTEC
DESIGNED BY:	STANTEC	SHEET	69 OF 75
IPARM FILE:	p07c192rrcc.i		

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 VAO T 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 VAO T 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 VAO T 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.)



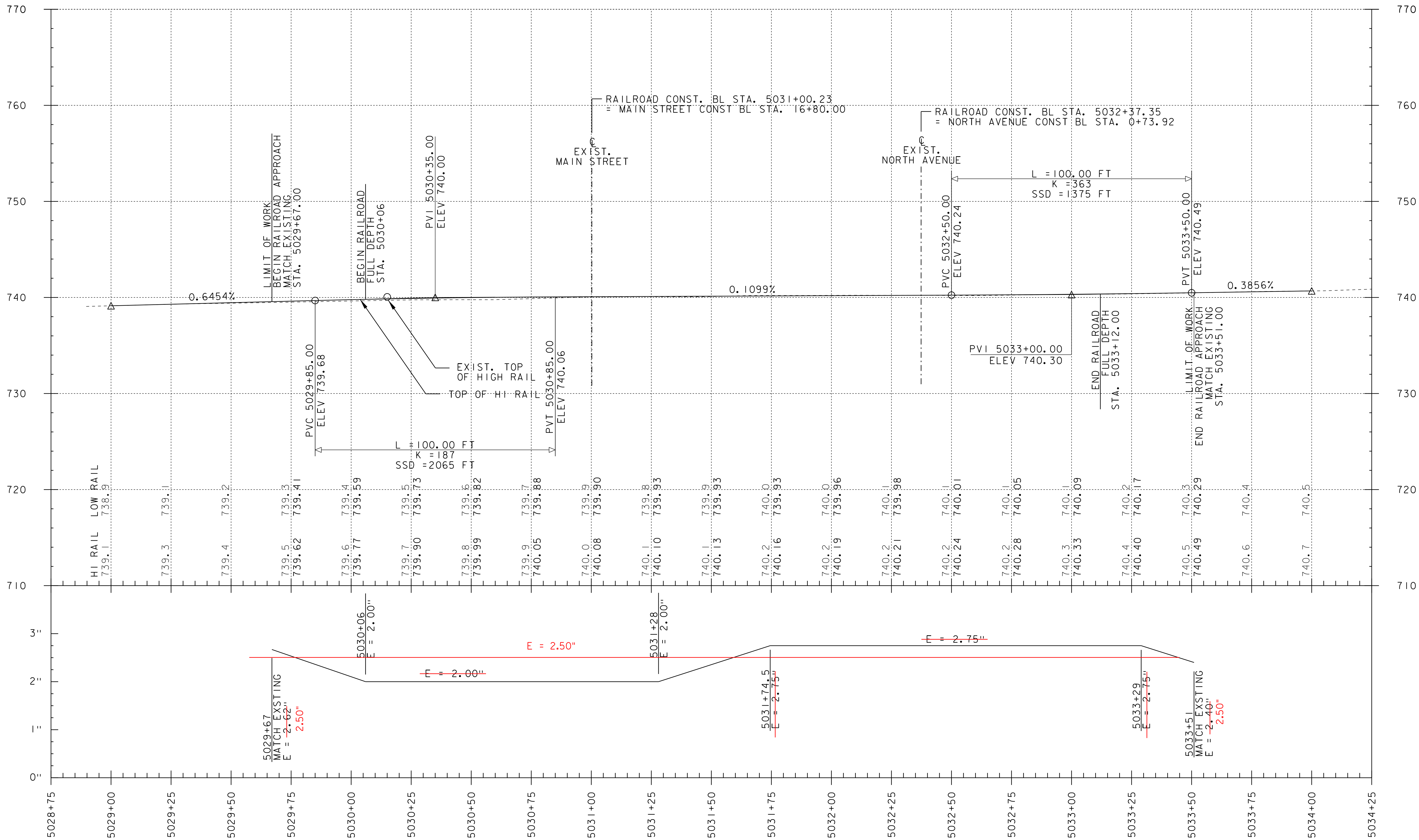
NOT TO SCALE

RAILROAD
CROSSING
DETOUR
SHEET

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

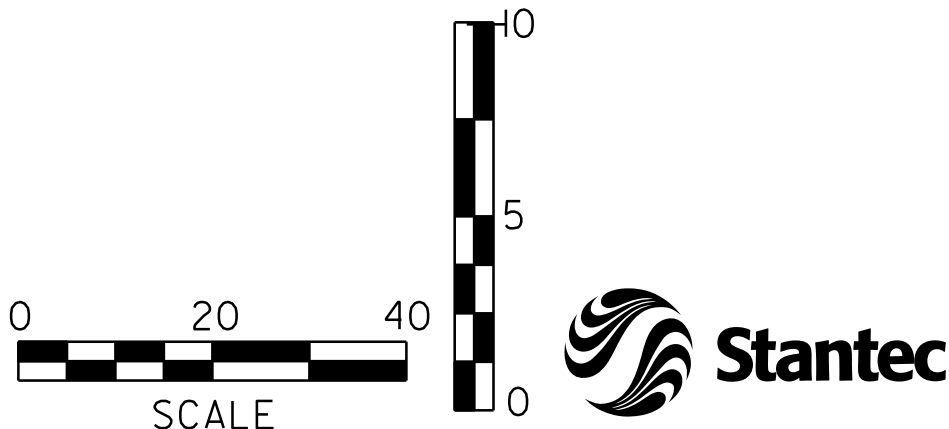
FILE NAME: p07c192.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07c192rrcd.i

PLOT DATE: 30-OCT-2013 17:0
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 70 OF 75



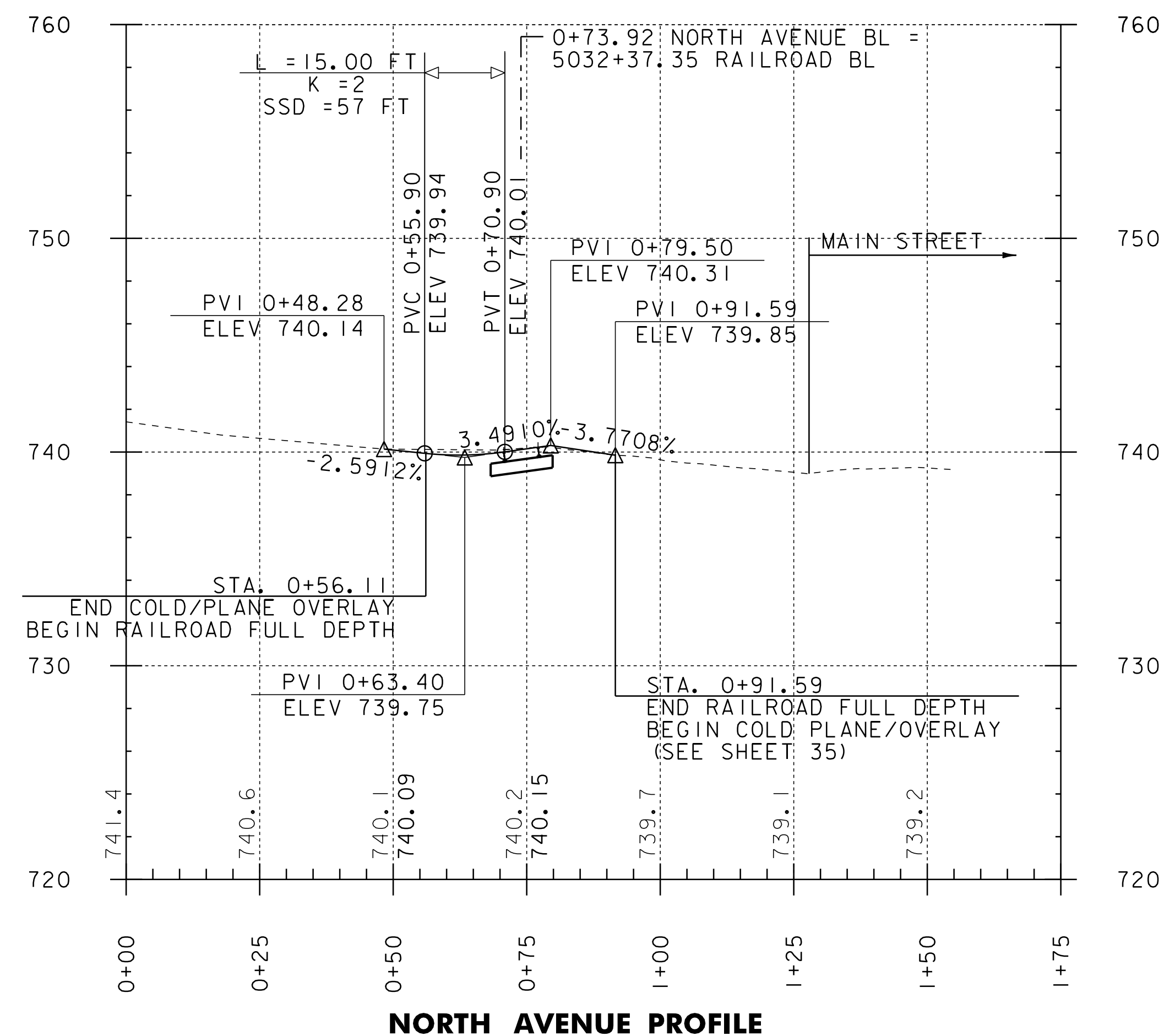
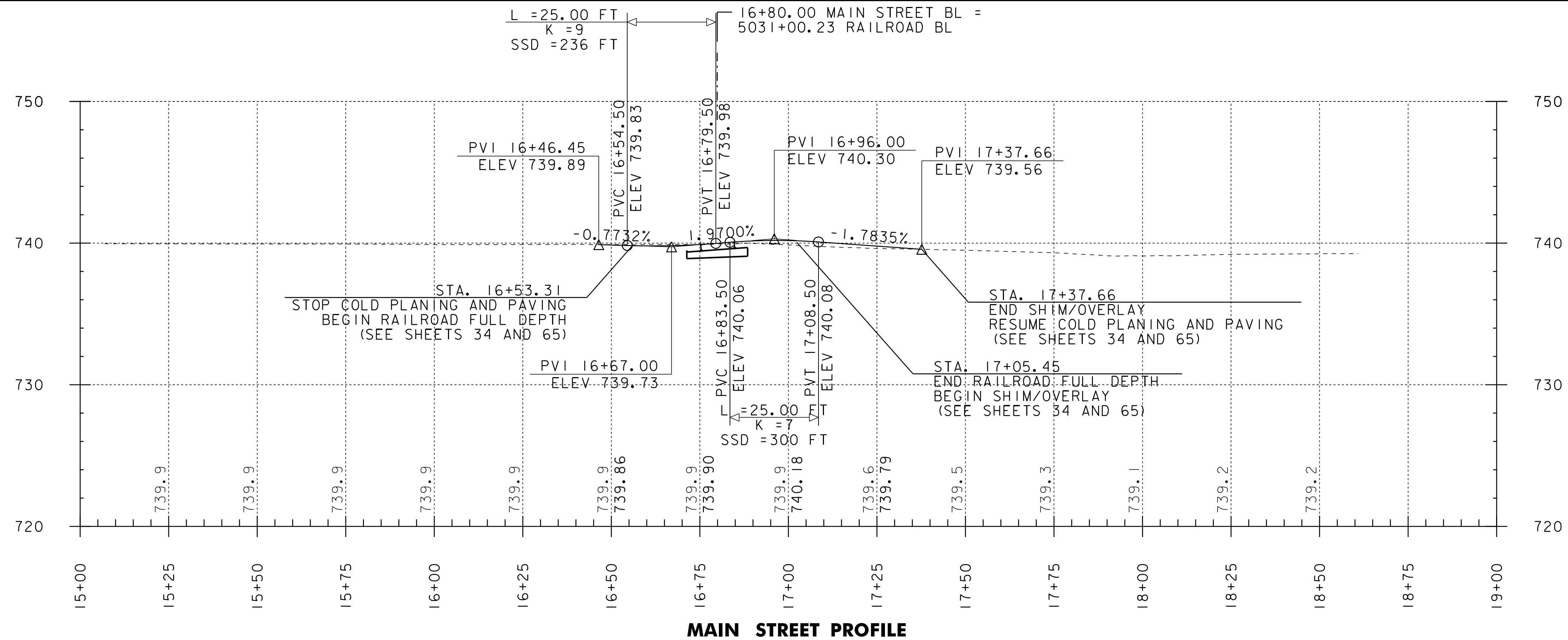
RAILROAD TOP OF RAIL
PROFILE

- NOTES:
- GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING TOP OF RAIL
 - GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE AT TOP OF RAIL



RAILROAD
PROFILE
SHEET

PROJECT NAME: BARTON		PLOT DATE: 30-OCT-2013 17:0	
PROJECT NUMBER: STP 2702(I)		DRAWN BY: STANTEC	
FILE NAME: p07c192.dgn		DESIGNED BY: STANTEC	
IPARM FILE: p07c192rrps.i		CHECKED BY: STANTEC	
		SHEET 71 OF 75	

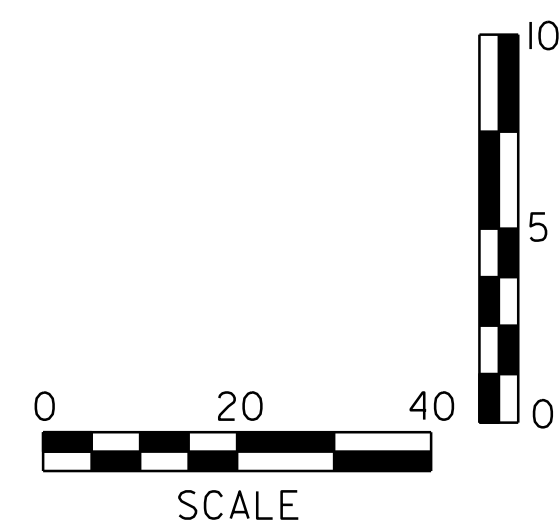


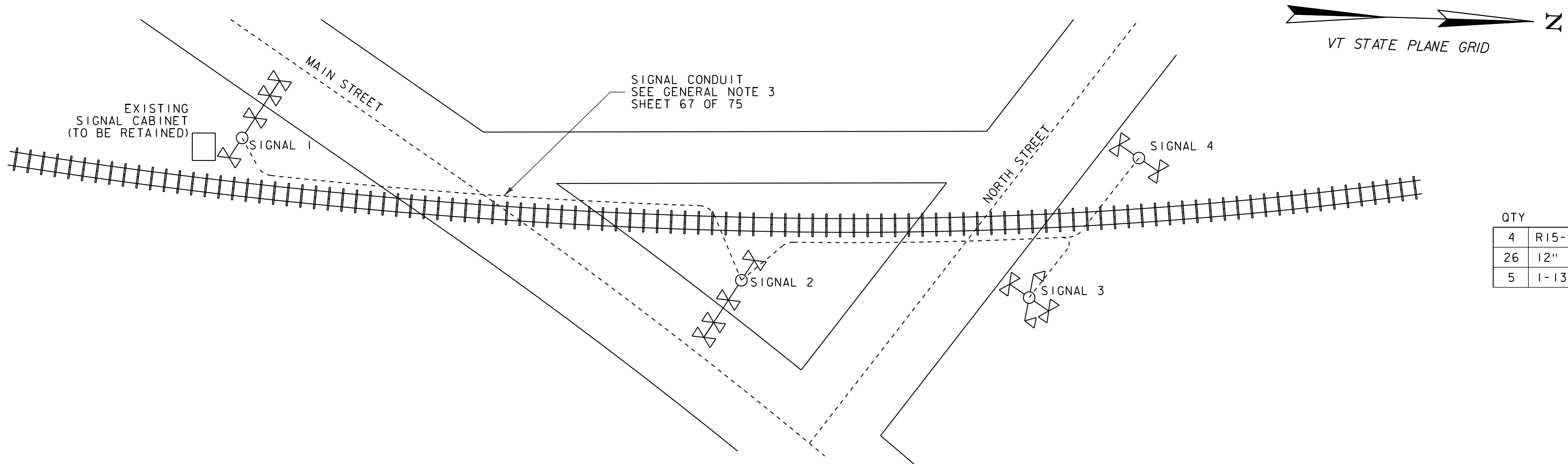
- NOTES:
- GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG PROPOSED CENTERLINE.
 - GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE ALONG PROPOSED CENTERLINE



**ROADWAY
PROFILES
SHEET**

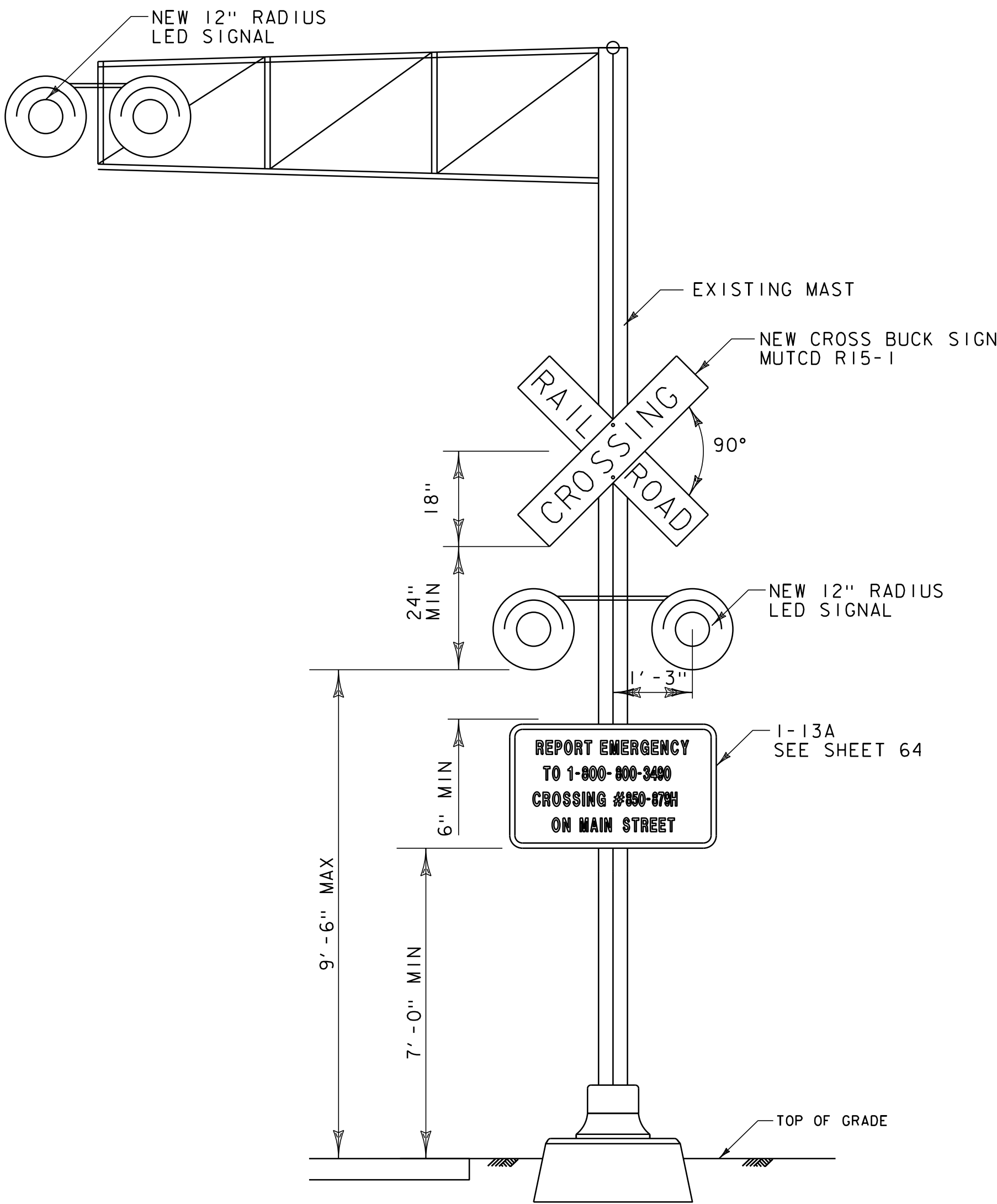
PROJECT NAME:	BARTON	PLOT DATE:	30-OCT-2013 17:0
PROJECT NUMBER:	STP 2702(I)	DRAWN BY:	STANTEC
FILE NAME:	p07c192.dgn	DESIGNED BY:	STANTEC
IPARM FILE:	p07c192rps.i	CHECKED BY:	STANTEC
		SHEET	72 OF 75



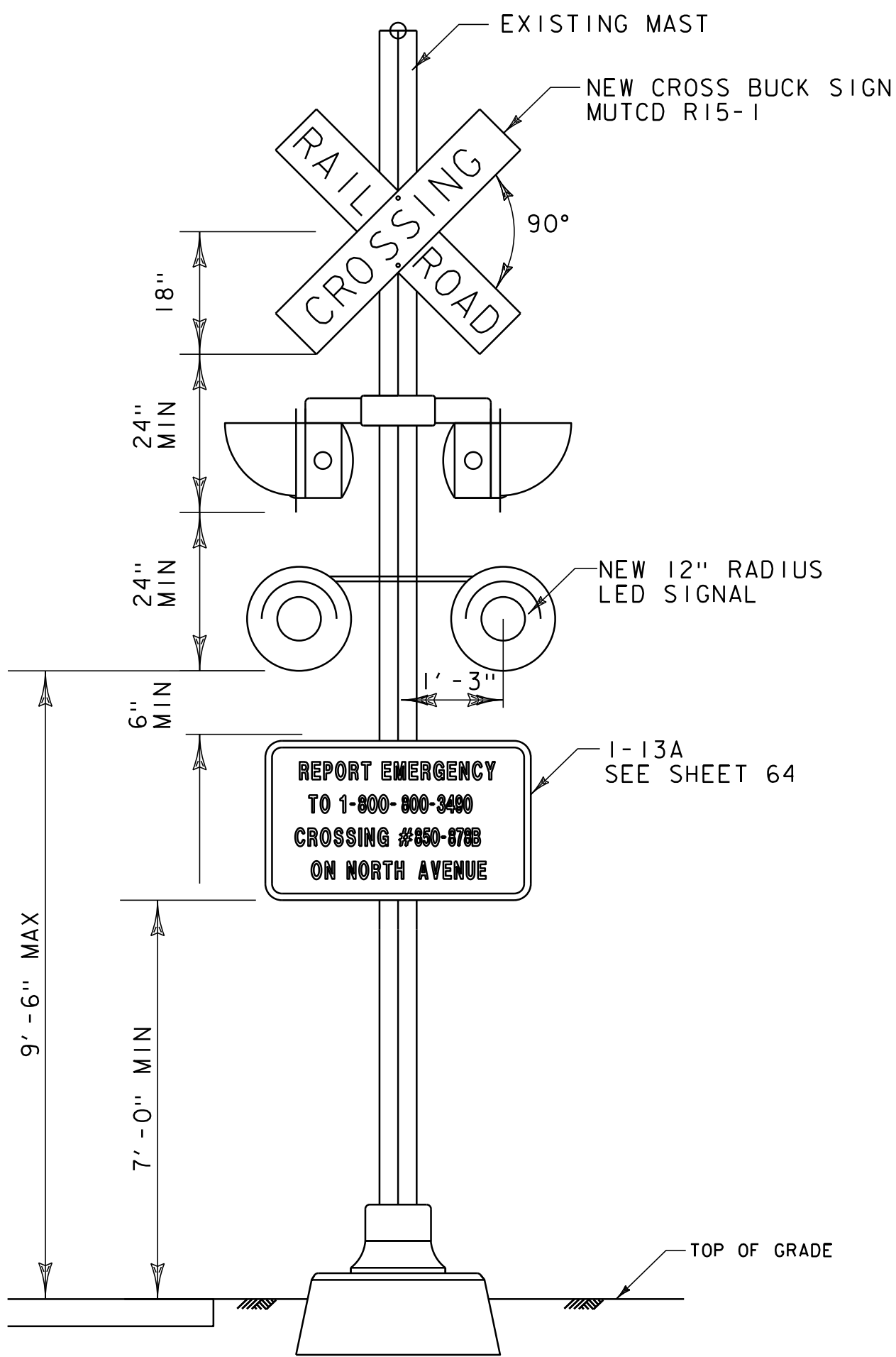


QTY	DESCRIPTION
4	R15-1 CROSS BUCK SIGN
26	12" LED SIGNAL
5	I-13A "REPORT EMERGENCY" SIGN

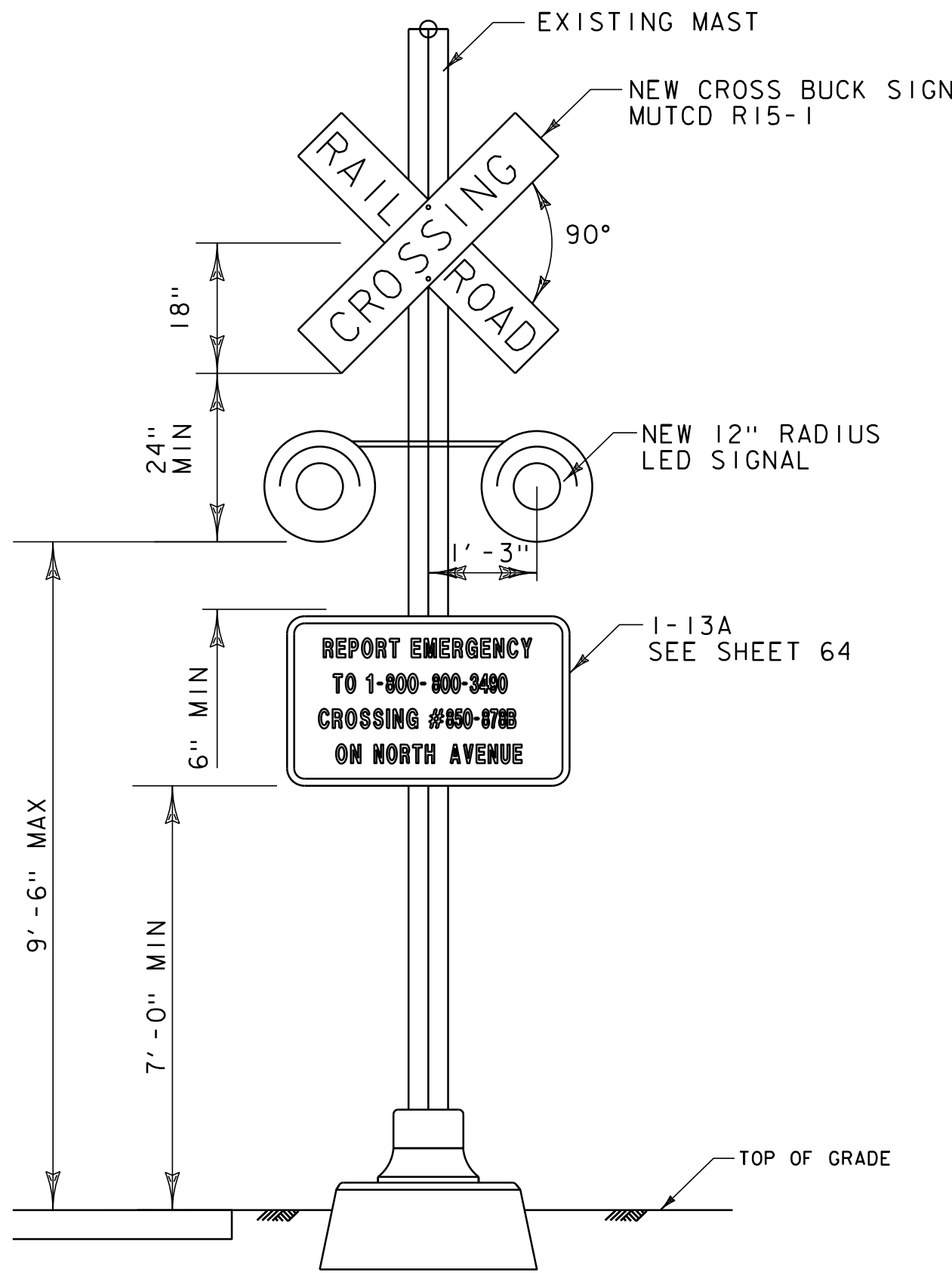
SIGNAL ASSEMBLY IMPROVEMENT PLAN
NOT TO SCALE



SIGNAL 1 AND SIGNAL 2 DETAIL



SIGNAL 3 DETAIL



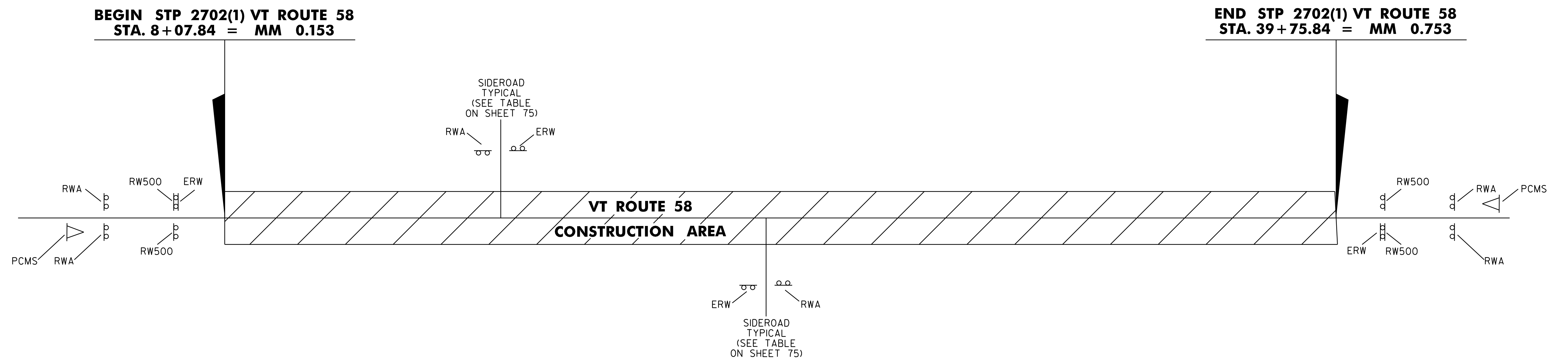
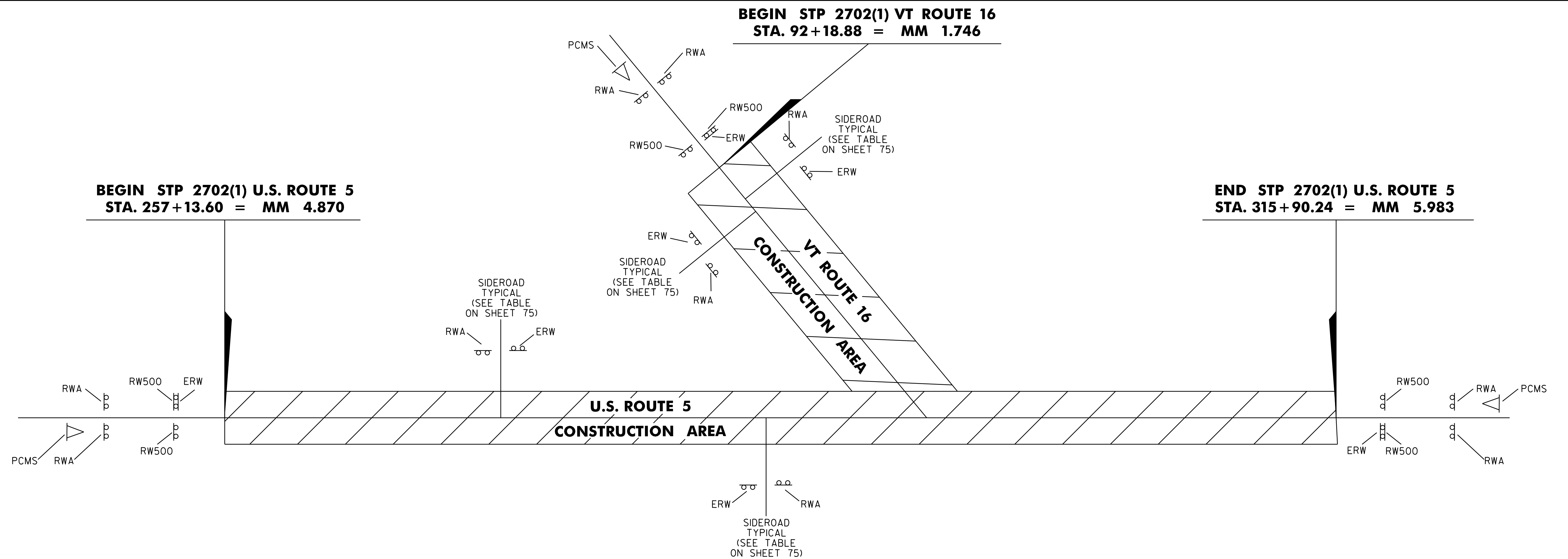
SIGNAL 4 DETAIL

- NOTES:
- I-13A SIGNS SHALL BE PLACED ONE ON EACH SIGNAL MAST AND ONE ON THE SIGNAL CABINET.
 - 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).



RR SIGNAL
ASSEMBLY
IMPROVEMENTS
DETAIL SHEET

PROJECT NAME:	BARTON	PLOT DATE:	30-OCT-2013 17:0
PROJECT NUMBER:	STP 2702(I)	DRAWN BY:	STANTEC
FILE NAME:	p07c192.dgn	DESIGNED BY:	STANTEC
IPARM FILE:	p07c192rsid.i	CHECKED BY:	STANTEC
		SHEET	73 OF 75



FOR NOTES AND SIGNING TABLE, SEE SHEET 75.

NOT TO SCALE

**CONSTRUCTION
APPROACH
SIGNING
SHEET #1**



PROJECT NAME:	BARTON
PROJECT NUMBER:	STP 2702(I)
FILE NAME:	p07c192.dgn
PROJECT LEADER:	JLL
DESIGNED BY:	STANTEC
IPARM FILE:	p07c192htcp01.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 641.0, 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 641.0, 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 641.0.

NOT TO SCALE

CONSTRUCTION
APPROACH
SIGNING
SHEET #2

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

FILE NAME: p07c192.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



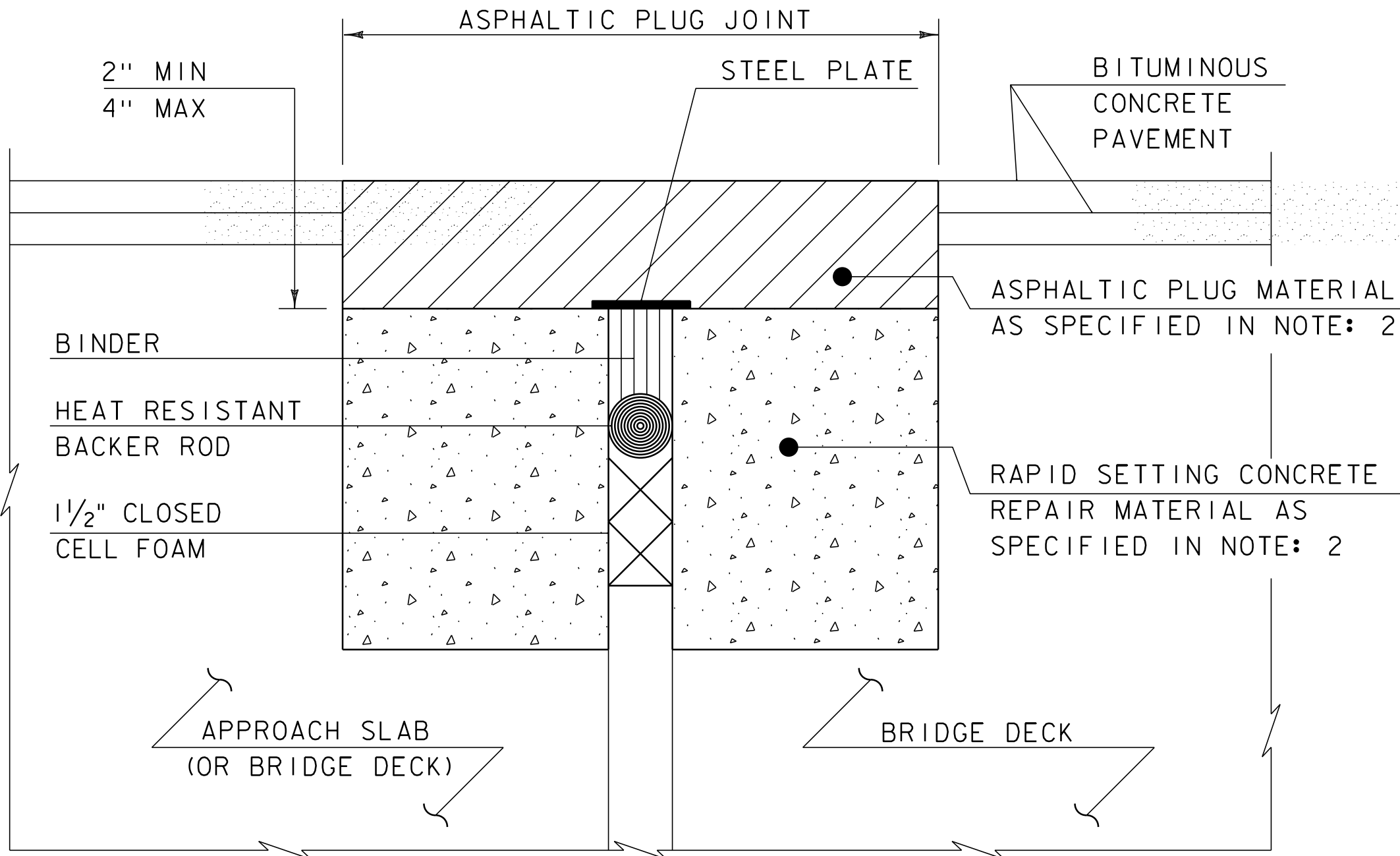
ASPHALTIC PLUG JOINT NOTES

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

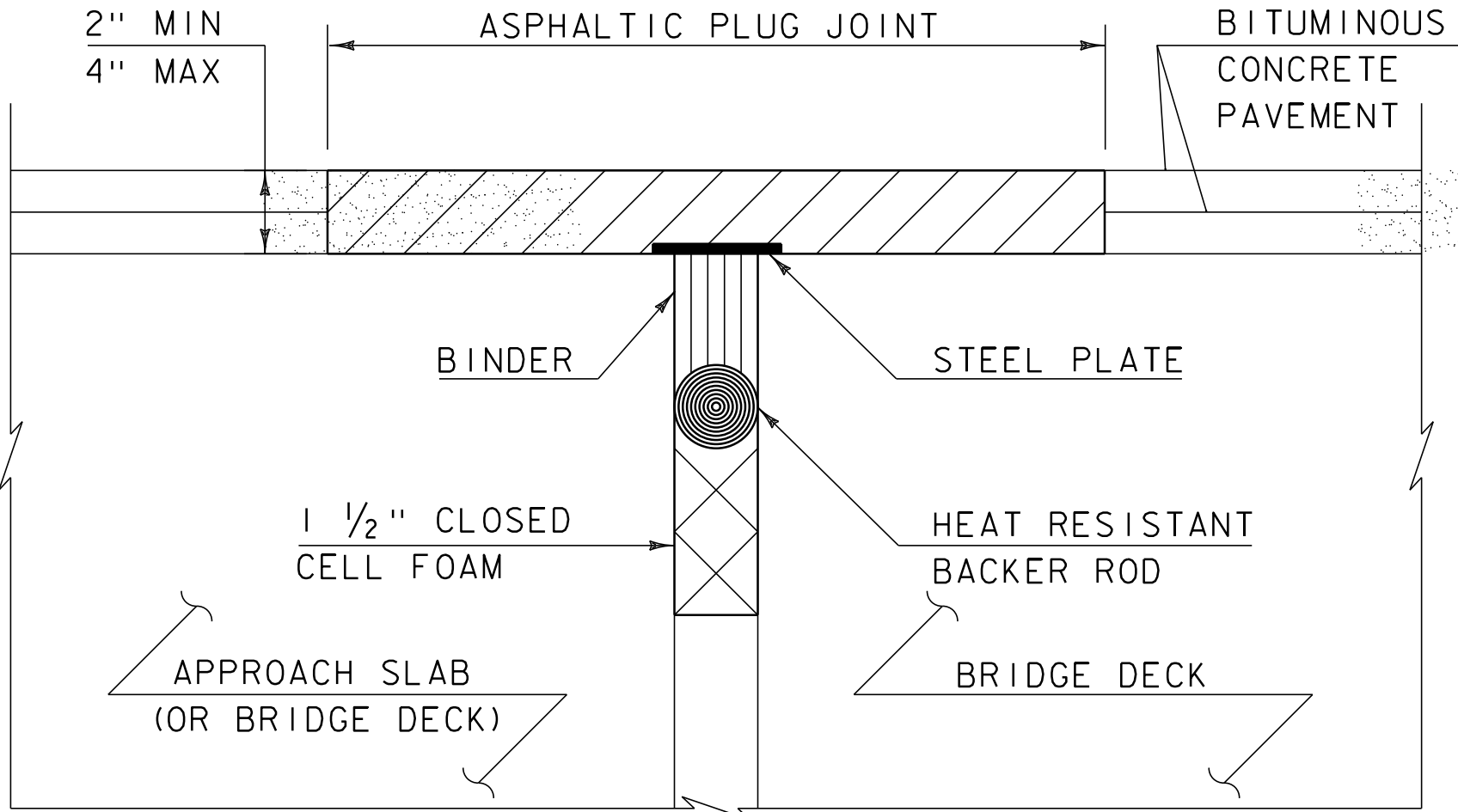
- APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER:
1. THE AMBIENT AIR TEMPERATURE IS AT LEAST 10 DEG C (50 DEG F) AND RISING.
 2. THE ROAD SURFACE IS DRY.
 3. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB

NOTES: (NOT TO SCALE)

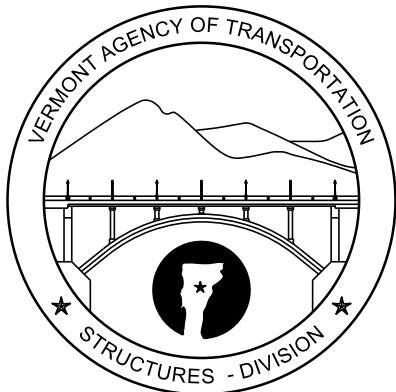
1. THE CONTRACTOR SHALL REMOVE ALL ASPHALTIC PLUG JOINT MATERIAL AND DETERIORATED CONCRETE AS DIRECTED BY THE ENGINEER. REMOVAL OF THE FIRST 4 INCHES OF MATERIAL SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG. ANY REMOVAL OF MATERIAL GREATER THAN 4 INCHES SHALL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



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

REVISIONS	
MAY 7, 2010	APPROVED FOR USE BY VAOT STRUCTURES SECTION

BRIDGE JOINT
ASPHALTIC PLUG



STRUCTURES
DETAIL
SD - 516.10