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RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT

RESIDENT ENGINEER: CARL FIELDER

CONSTRUCTION BEGAN: SEPTEMBER 22, 2008

CONSTRUCTION COMPLETE: JUNE 3, 2008

RECORD PLANS BY: CARL FIELDER & C. PIERCE

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

BY Carl H. Fielder RESIDENT ENGINEER

DATE 2/19/10

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.

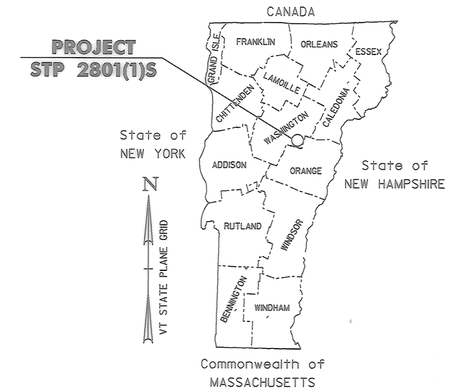
STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
CITY OF BARRE
COUNTY OF WASHINGTON
U.S. ROUTE 302

BEGINNING AT THE BERLIN/BARRE TOWN LINE AND EXTENDING EASTERLY ALONG U.S. ROUTE 302 FOR A DISTANCE OF 8,943.5 FEET TO STA. 89+43.50

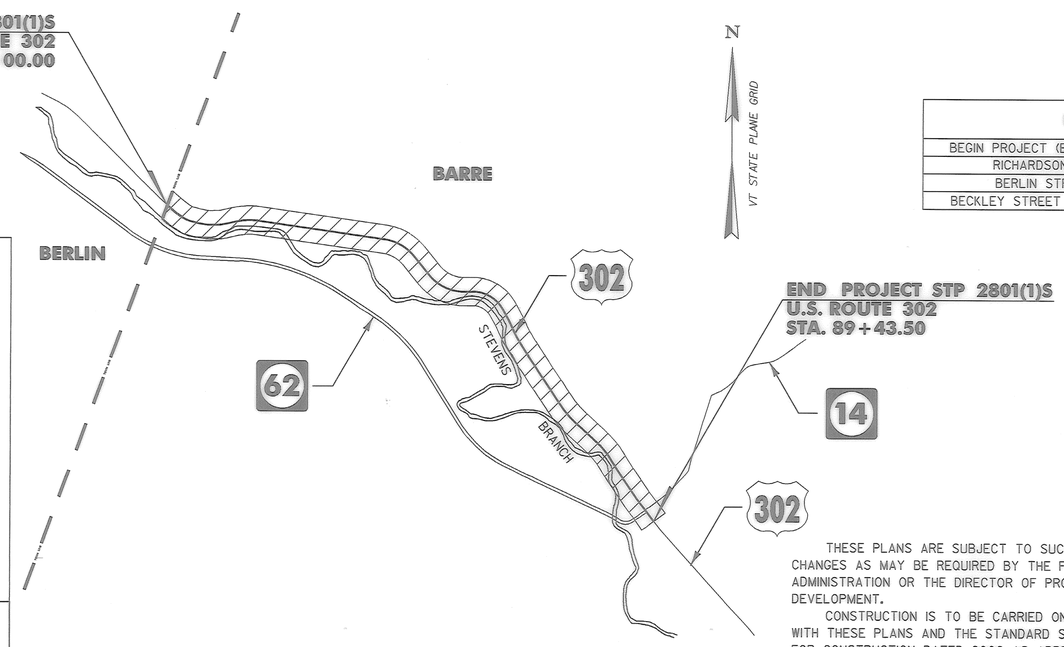
TOTAL LENGTH OF PROJECT: 8,943.5 FEET = 1.694 MILES
TOTAL LENGTH OF ROADWAY: 8,943.5 FEET = 1.694 MILES

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RESURFACING OF THE EXISTING HIGHWAY, NEW PAVEMENT MARKINGS AND INCIDENTAL ITEMS



BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	3,464,500
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	64-28



TRAFFIC DATA

U.S. ROUTE 302

LOCATION	AADT		DHV		ESALS	
	2008	2018	2008	2018	2008-2018	2008-2028
BEGIN PROJECT (BERLIN T/L) TO RICHARDSON ROAD	12,100	12,700	1,300	1,300	926,000	2,184,000
RICHARDSON ROAD TO BERLIN STREET	14,900	15,600	1,600	1,600	2,384,000	5,284,000
BERLIN STREET TO BECKLEY STREET	15,500	16,300	1,600	1,700	2,463,000	6,263,000
BECKLEY STREET TO END PROJECT (VT 14/VT 62)	15,700	16,300	1,600	1,700	2,737,000	6,929,000

CONVENTIONAL SYMBOLS

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

UTILITY LEGEND

	= EXISTING HYDRANT
	= EXISTING DI
	= EXISTING MANHOLE
TEL	= EXISTING TELEPHONE MANHOLE
ELEC	= EXISTING ELECTRIC MANHOLE
SMH	= EXISTING SEWER MANHOLE
WSO	= EXISTING WATER SHUTOFF
GSO	= EXISTING GAS SHUTOFF
	= EXISTING MAILBOX

SIGN LEGEND

N	= NEW
R	= REMOVE
R&S	= REMOVE & SALVAGE
S	= SALVAGE SIGN
RET	= RETAIN
B-B	= BACK TO BACK
1	= RETURN TO CITY OF BARRE

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

DATUM
VERTICAL N/A
HORIZONTAL N/A

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

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

STATE OF VERMONT JOHN A. EDWARDS No. 6542 REGISTERED PROFESSIONAL ENGINEER

08-06-08

Stantec

NOTE:

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.

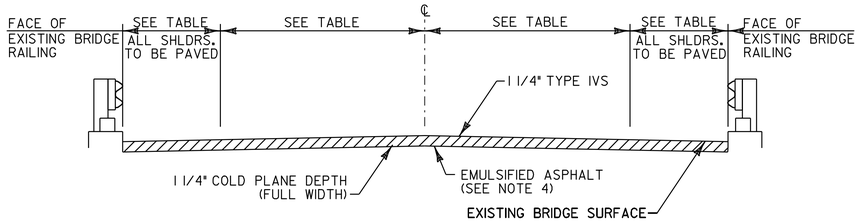
UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS ON THESE PLANS ARE DRAWN 'NOT TO SCALE'.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED Richard Fahnestock DATE 7-9-08

PROJECT MANAGER : TED DOMEY

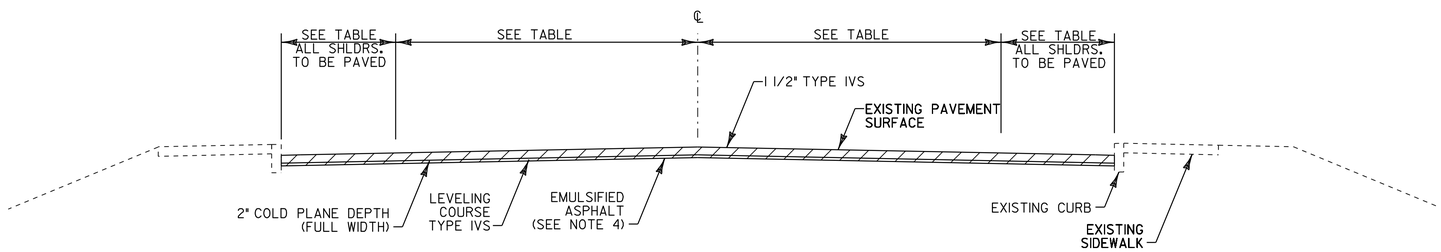
PROJECT NAME : BARRE CITY
PROJECT NUMBER : STP 2801(1)S

SHEET 1 OF 19 SHEETS



COLD PLANE TYPICAL SECTION - BRIDGE NO. 5

STA. 81+16 TO 81+40



COLD PLANE TYPICAL SECTION - CURBED

STA. 0+00 TO 81+16
STA. 81+40 TO 89+43.5

PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TONS	NOTES
BARRE CITY, U.S. ROUTE 302	0+00.0	17+00.0	6.5' - 12' - 12' - 6.5'	1 1/2"	194	COLD PLANE 2", LEVEL WITH TYPE IVS, THEN OVERLAY
						WITH 1 1/2" TYPE IVS
BARRE CITY, U.S. ROUTE 302	17+00.0	20+00.0	VARIES - SEE LAYOUT SHEETS	1 1/2"	35	COLD PLANE 2", LEVEL WITH TYPE IVS, THEN OVERLAY
						WITH 1 1/2" TYPE IVS
BARRE CITY, U.S. ROUTE 302	20+00.0	35+05.0	8.0' - 12' - 12' - 8.0'	1 1/2"	180	COLD PLANE 2", LEVEL WITH TYPE IVS, THEN OVERLAY
						WITH 1 1/2" TYPE IVS
BARRE CITY, U.S. ROUTE 302	35+05.0	89+43.5	VARIES - SEE LAYOUT SHEETS	1 1/2"	681	COLD PLANE 2", LEVEL WITH TYPE IVS, THEN OVERLAY
						WITH 1 1/2" TYPE IVS

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE 65 GYRATION 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 ENGINEER. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 64-28.
2. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
4. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES, AT THE RATE OF 0.025 GAL/SY OR AS DIRECTED BY THE ENGINEER.
5. COLD PLANING TO BE COMPLETED ACCORDING TO TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. THE COLD PLANING AND PAVING SHALL MATCH THE EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AREAS BY THE USE OF A VERTICAL BUTT JOINT. SEE DETAIL ON SHEET 3. IF COLD PLANING 2" SHOULD EXPOSE CONCRETE, ANY JOINTS LARGER THAN 1" SHALL BE CLEANED OUT AND FILLED WITH TYPE VS. ANY AREAS THAT EXPOSE SUBBASE SHALL BE CLEANED TO A DEPTH OF 2" AND PATCHED WITH TYPE IIIS AS DIRECTED BY THE ENGINEER. ESTIMATED QUANTITIES OF CONTRACT ITEM 490.30 HAVE BEEN INCLUDED FOR THESE SITUATIONS.
6. ALTHOUGH THERE ARE 71 STRUCTURE ADJUSTMENTS QUANTIFIED FOR THIS PROJECT, IT SHOULD BE NOTED THAT SOME OF THESE MAY BE ELIMINATED AS DIRECTED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL COORDINATE WITH THE BARRE CITY DEPARTMENT OF PUBLIC WORKS.
7. BITUMINOUS CONCRETE PAVEMENT WORK WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS AROUND SEWER MANHOLES AND DROP INLETS, ETC.) SHALL BE PAID AS ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28).
8. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL PURPOSE EXCAVATOR RENTAL, TYPE 1. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
9. SIDEWALK RAMP DETECTABLE WARNING SURFACES SHALL BE ARMOR-TILE SURFACE APPLIED TRUNCATED DOME SURFACES BY ENGINEERED PLASTICS, INC., COLOR YELLOW, FROM THE AGENCY'S APPROVED PRODUCT LIST.

URBAN AREAS - SEED MIXTURE

% WT	LBS/A	NAME	PUR %	GERM %
42.5	34	CREEPING RED FESCUE	98	85
10.0	8	PERENNIAL RYE GRASS	95	90
42.5	34	KENTUCKY BLUE GRASS	85	85
0	4	ANNUAL RYE GRASS	95	85
100	80			

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

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

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

TEMPORARY EROSION MATTING (ITEM 653.20):
TO BE PLACED ON EARTH SLOPES AS DIRECTED BY THE ENGINEER.

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

NOT TO SCALE

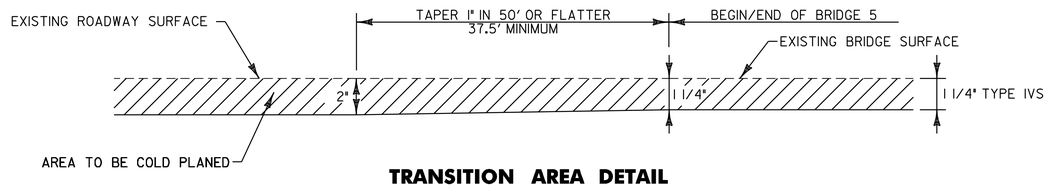
Stantec

PROJECT TYPICAL SHEET

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022pt.i

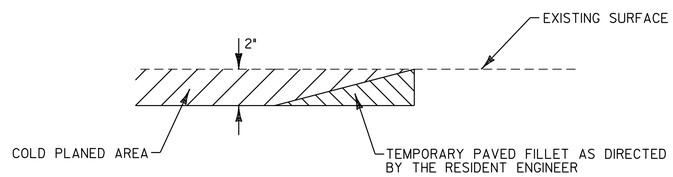
PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 2 OF 19



TRANSITION AREA DETAIL

FULL ROADWAY WIDTH

STA. 80+78.5 TO 81+16.0
STA. 81+40.0 TO 81+77.5



DETAIL AT VERTICAL COLD PLANE JOINTS

NOTE: THIS DETAIL SHALL BE USED FOR THE SIDE ROADS LISTED BELOW AND AT ALL DRIVES AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT SHALL BE INCIDENTAL TO ITEM 490.30.

FULL ROADWAY WIDTH

STA. 0+00.00 (BEGIN PROJECT)
STA. 29+81.8, LT (PACKARD ST.)
STA. 31+77.0, LT (FORD ST.)
STA. 41+11.2, LT (RICHARDSON RD.)
STA. 54+35.6, RT (WILLEY ST.)
STA. 55+67.6, LT (SIXTH ST.)
STA. 58+11.5, LT (FIFTH ST.)
STA. 60+52.4, LT (FOURTH ST.)
STA. 62+95.2, LT (THIRD ST.)
STA. 65+33.0, LT (SECOND ST.)
STA. 65+33.0, RT (WEST SECOND ST.)
STA. 67+76.4, LT (FIRST ST.)
STA. 68+95.6, RT (BERLIN ST.)
STA. 71+68.5, LT (BECKLEY ST.)
STA. 76+35.0, LT (N. SEMINARY ST.)
STA. 82+24.4, RT (BLACKWELL ST.)
STA. 84+74.1, LT (BROOK ST.)
STA. 86+17.7, RT (HORACE LANE)
STA. 87+51.0, RT (VT ROUTE 62)
STA. 87+57.4, LT (VT ROUTE 14)
STA. 89+43.5 (END PROJECT)

NOT TO SCALE

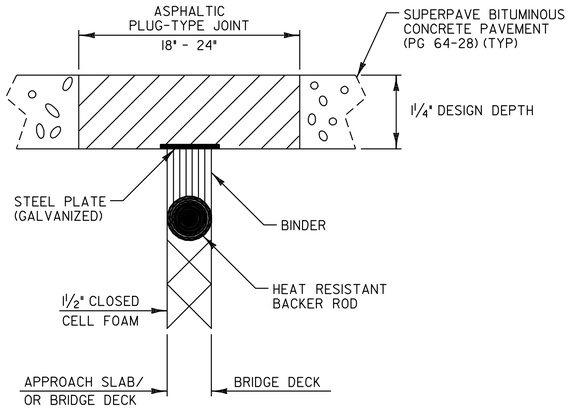
Stantec

PAVING DETAIL SHEET

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022pds.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 3 OF 19



ASPHALTIC PLUG-TYPE JOINT DETAIL

BR 5	U.S. ROUTE 302	BARRE CITY	STA.	81+16	(39 LF)
BR 5	U.S. ROUTE 302	BARRE CITY	STA.	81+40	(39 LF)

NOTES:

1. THE JOINT SHALL BE LOCATED CENTRALLY OVER THE DECK EXPANSION GAP OR FIXED JOINT MARKED OUT TO THE MANUFACTURER'S RECOMMENDED WIDTH.
2. THE JOINT SHALL BE EXCAVATED AS SHOWN ON THE PLANS BY USE OF SAWS AND PNEUMATIC HAMMER OR A HAMMER AND CHISEL.
3. THE JOINT AREA SHALL BE BLAST CLEANED OF DEBRIS AND ASPHALT. THE JOINT AREA SHALL BE THOROUGHLY DRIED USING HOT COMPRESSED AIR PRIOR TO APPLYING BINDER MATERIAL.
4. SPALLED AND DEFECTIVE CONCRETE SHALL BE REPAIRED WITH AN APPROVED MATERIAL AS AGREED UPON BY THE RESIDENT ENGINEER.
5. PROPERLY SIZED HEAT RESISTANT BACKER ROD SHALL BE PLACED IN THE MOVEMENT GAP ALLOWING FOR 1 INCH +/- OF BINDER ABOVE THE ROD.
6. THE BINDER MATERIAL SHALL BE HEATED AND PLACED AS RECOMMENDED BY THE MANUFACTURER.
7. PLACE ¼ INCH THICK BY 8 INCH WIDE SECTIONS OF STEEL PLATE OVER THE CENTER OF THE MOVEMENT GAP. SECURE PLATES FROM MOVING BY INSERTING LOCATING PINS THROUGH THE PRESTAMPED HOLES INTO BACKER ROD AND COVER WITH HOT BINDER.
   A. THE STEEL PLATES MAY BE OMITTED WHERE THE APPROACH SLAB IS COVERED WITH A STONE BASE OR BITUMINOUS PAVEMENT AND VERTICAL MOVEMENT OF THE PLATES MIGHT OCCUR.
8. THE BINDER MATERIAL AND AGGREGATE SHALL BE HEATED AND MIXED AS RECOMMENDED BY THE MANUFACTURER.
9. THE INSTALLATION OF MATERIAL, COMPACTION, AND TOPCOATING SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
10. IMMEDIATELY AFTER TOPCOATING, AN ANTI-SKID MATERIAL SHALL BE CAST OVER THE JOINT TO REDUCE THE RISK OF TRACKING.
11. JOINT SHALL BE PROTECTED FROM TRAFFIC UNTIL THE MATERIAL HAS COOLED TO 125°F±.

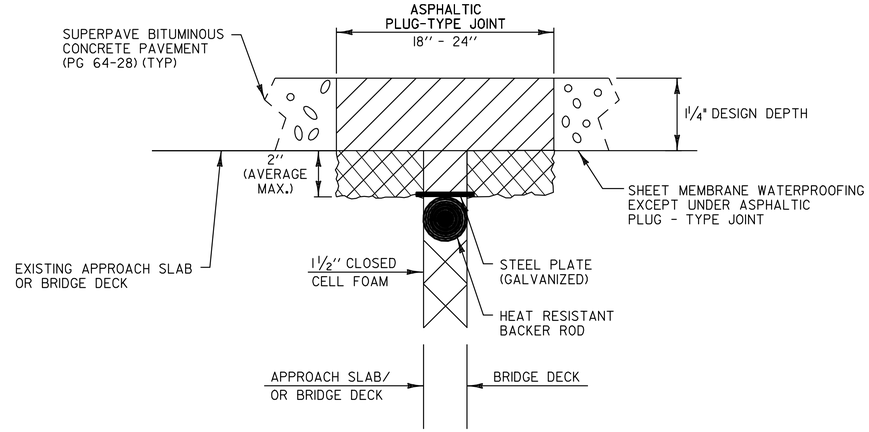
WEATHER LIMITATIONS

BINDER MATERIAL SHALL BE APPLIED ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL:

A. THE AMBIENT AIR TEMPERATURE IS AT LEAST 50 F AND RISING.

B. THE ROAD SURFACE IS SUFFICIENTLY DRY.

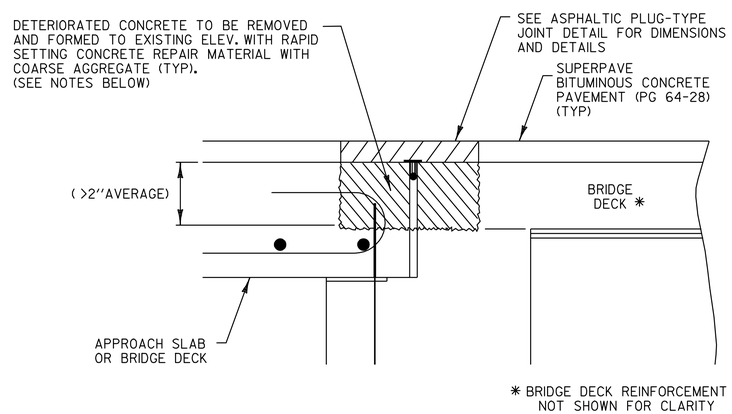
C. WEATHER CONDITIONS OR OTHER CONDITIONS ARE FAVORABLE AND ARE EXPECTED TO REMAIN SO FOR THE PERFORMANCE OF SATISFACTORY WORK.



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

NOTES:

1. UPON ENCOUNTERING UP TO 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH THE ASPHALTIC PLUG JOINT MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL NOT BE PAID SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR ITEM 516.10. THE ADDITIONAL PLUG JOINT MATERIAL BELOW THE DESIGN DEPTH REQUIRED TO REPLACE THE DETERIORATED CONCRETE WILL BE CONSIDERED INCIDENTAL TO THE UNIT BID PRICE FOR THE ITEM 516.10.
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.



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

NOTES:

1. UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
2. REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
3. THE STEEL PLATE IN THE ASPHALTIC PLUG JOINT MAY BE OMITTED ONLY IF THE REPAIRED SURFACE IS SO IRREGULAR IT WILL CAUSE VERTICAL MOVEMENT AND IT IS DIRECTED BY THE RESIDENT ENGINEER.

NOT TO SCALE

Stantec

ASPHALTIC PLUG JOINT DETAILS SHEET

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022apjs.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 4 OF 19

QUANTITY SHEET 1

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

			FULL C.E.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
			-	-	25	25	CY	COMMON EXCAVATION	203.15	3.1
			-	-	20	20	CY	SOLID ROCK EXCAVATION	203.16	1.8
			-	-	300	300	LF	SHOULDER BERM REMOVAL	203.40	EST.
			-	-	1	1	CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY	204.22	-
			-	100	39,400	39,500	SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	194
			-	-	25	25	TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED NOT USED	301.28	3.1
			-	-	100	100	TON	AGGREGATE SHOULDERS, RAP	402.13	EST.
			-	0.2	163.8	164	CWT	EMULSIFIED ASPHALT	404.65	1.1
			-	-	1	1	LU	PRICE ADJUSTMENT ASPHALT CEMENT (N.A.B.I.)	406.50	-
			-	7	4,593	4,600	TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)	490.30	180
			-	-	1	1	LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-
			-	80	-	80	LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	2
			-	100	-	100	CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE NOT USED	580.20	EST.
			-	-	77	77	EA	CHANGING ELEVATION OF DROP INLETS, CATCH BASINS OR MANHOLES	604.40	-
			-	-	1	1	EA	REHAB. DROP INLETS, CATCH BASINS OR MANHOLES, CLASS I NOT USED	604.412	EST.
			-	-	19	19	EA	CHANGING ELEVATION OF SEWER MANHOLES	604.42	-
			-	-	9	9	EA	CAST IRON GRATE WITH FRAME, TYPE D	604.47	EST.
			-	-	45	45	HR	POWER GRADER RENTAL	608.15	EST.
			-	-	45	45	HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I NOT USED	608.25	EST.
			-	-	30	30	HR	POWER BROOM RENTAL, TYPE I NOT USED	608.30	EST.
			-	-	45	45	HR	POWER BROOM RENTAL, TYPE II	608.31	EST.
			-	-	45	45	HR	TRUCK RENTAL NOT USED	608.37	EST.
			-	-	2	2	MGAL	DUST CONTROL WITH WATER	609.10	EST.
			-	-	100	100	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B NOT USED	616.28	6
			-	-	120	120	LF	REMOVAL OF EXISTING CURB NOT USED	616.41	8
			-	-	135	135	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	4
			-	-	130	130	SF	DETECTABLE WARNING SURFACE	618.30	2
			-	-	6	6	EA	ADJUST ELEVATION OF VALVE BOX NOT USED	629.20	-
			-	-	1200	1200	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.
			-	-	3600	3600	HR	FLAGGERS	630.15	EST.
			1	-	-	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-
			-	-	1	1	LS	MOBILIZATION / DEMOBILIZATION	635.11	-
			-	-	1	1	LS	TRAFFIC CONTROL	641.10	-
			-	-	1	1	LS	PUBLIC RELATIONS OFFICER	641.12	-
			-	-	4	4	EA	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-
			-	-	17,500	17,500	LF	4 INCH WHITE LINE	646.20	43
			-	-	19,300	19,300	LF	4 INCH YELLOW LINE	646.21	113
					1180	1180	LF	8 INCH YELLOW LINE	646.23	14

CITY OF BARRE PREFERRED MONOLITHIC POUR OF SIDEWALK AND CURB

CITY OF BARRE ASKED FOR WSO'S TO BE PAVED OVER

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS
		COLD PLANING-BITUMINOUS PAVEMENT
39,008	SY	MAINLINE
198	SY	SIDE ROADS
100	SY	BRIDGE # 5
194	SY	ROUNDING
39,500	SY	TOTAL
		EMULSIFIED ASPHALT
161.9	CWT	MAINLINE
0.8	CWT	SIDE ROADS
0.2	CWT	BRIDGE # 5
1.1	CWT	ROUNDING
164	CWT	TOTAL
		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (PG 64-28)
3,253	TON	WEARING COURSE (TYPE IVS)
1084	TON	LEVELING COURSE (TYPE IVS)
4	TON	ROAD REPAIR @ CURB LOCATIONS (TYPE IIIS)
7	TON	BRIDGE # 5 WEARING COURSE (TYPE IVS)
22	TON	SIDE ROADS (TYPE IVS)
50	TON	CONCRETE JOINT REPAIR (TYPE VS - EST.)
180	TON	ROUNDING
4,600	TON	TOTAL

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL.
DESIGNED BY: STANTEC
IPARM FILE: p08d022asl.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 5 OF 19

QUANTITY SHEET 2

STATE OF VERMONT
AGENCY OF TRANSPORTATION

SUMMARY OF ESTIMATED QUANTITIES

			FULL C.E.	BRIDGE	ROADWAY	QUANTITIES GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUNDING
			-	-	120	120	LF	24 INCH STOP BAR	646.26	3
			-	-	22	22	EA	LETTER OR SYMBOL	646.30	-
			-	-	650	650	LF	CROSSWALK MARKING	646.31	10
			-	-	35,000	35,000	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	86
			-	-	38,500	38,500	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	125
			-	-	2,350	2,350	LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	19
			-	-	235	235	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	2
			-	-	20	20	EA	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-
			-	-	1300	1300	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	19
			-	-	950	950	EA	LINE STRIPING TARGETS	646.76	8
			-	-	70	70	LF	PAINTED CURB	646.81	4
			-	-	30	30	LB	SEED	651.15	EST.
			-	-	250	250	LB	FERTILIZER NOT USED	651.18	EST.
			-	-	1	1	TON	AGRICULTURAL LIMESTONE NOT USED	651.20	EST.
			-	-	25	25	CY	TOPSOIL	651.35	EST.
			-	-	80	80	SY	TEMPORARY EROSION MATTING	653.20	EST.
			-	-	120	120	SF	TRAFFIC SIGNS, TYPE A	675.20	2.5
			-	-	245	245	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	4
			-	-	23	23	EA	REMOVING SIGNS	675.50	-
			-	-	5	5	EA	ERECTING SALVAGED SIGNS	675.60	-
			-	-	1	1	LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

DETAILED SUMMARY OF QUANTITIES

QUANTITIES	UNIT	ITEMS

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL.
DESIGNED BY: STANTEC
IPARM FILE: p08d022qs2.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 6 OF 19

ITEM DETAIL SUMMARY SHEET

STATION BEGIN	STATION END	POS.	203.15 COMMON EXCAV. CY	203.16 SOLID ROCK EXCAV. CY	203.40 SHLDR. BERM. REM. LF	301.28 SUB. OF CR. GRAVEL T	604.40 CHAN. ELEV. OF DI, CB OR MH EA	604.412 REHAB. DI CLASS I EA	604.42 CHAN. ELEV. SEWER MH EA	604.47 C.I. GRATE W/ FRAME, TYPE D EA	616.28 C-I-P CONC. CURB TYPE B LF	616.41 REMOVAL OF EXIST. CURB LF	618.10 PORT. CEM. CONC. SIDEWALK, 5 INCH SY	618.30 DET. WARNING SURFACE SF	619.17 YIELDING MARKER POSTS EA	621.20 STEEL BEAM G.R. W/2.4 POSTS (MOD.) LF	621.50 MAN. TERMINAL SECTION (FLARED) EA	621.60 ANCHOR FOR STEEL BEAM RAIL EA	621.75 REMOVE AND RESET G.R. LF	621.76 REPLACE G.R. POST ASSEMBLY EA	621.77 REPLACE G.R. BEAM UNIT EA	621.80 REMOVAL AND DISPOSAL OF G.R. LF	629.20 ADJUST ELEVATION OF VALVE BOX EA	649.31 GEOTEXTILE UNDER STONE FILL SY	676.10 DELINEATOR WITH STEEL POST EA	REMARKS
U.S. ROUTE 302																										
BARRE CITY:																										
0+00.0	89+00.0	LT/RT			300		77	1	19	9													6			QUANTITIES FOR USE AS DIRECTED BY THE RESIDENT ENGINEER
54+61		LT	1.9	1.5		1.9							11.1	8												CONSTRUCT SIDEWALK RAMP, TYPE 2
65+04		LT	3.9	3.2		3.9						18	23.3	8												CONSTRUCT SIDEWALK RAMP, TYPE 6 TO CREATE A CONSISTENT GRADE AND CROSS SLOPE THROUGH THE RADIUS.
67+94		LT	2.4	2.0		2.4					26	26	14.4	12												CONSTRUCT SIDEWALK RAMP, TYPE 6
67+94		RT	1.2	1.0		1.2					13	13	7.2	8												CONSTRUCT SIDEWALK RAMP, TYPE 2
71+12		LT	1.3	1.1		1.3							7.8	12												CONSTRUCT SIDEWALK RAMP, TYPE 6
84+10		LT	3.3	2.8		3.3							20.0	12												CONSTRUCT SIDEWALK RAMP, TYPE 1
84+90		LT	0.7	0.6		0.7							4.4	12												CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
84+96		RT	1.9	1.5		1.9					20	20	11.1	8												CONSTRUCT SIDEWALK RAMP, TYPE 2
87+00		RT	2.2	1.9		2.2					20	20	13.3	12												CONSTRUCT SIDEWALK RAMP, TYPE 6
87+11		LT	0.7	0.6		0.7							4.3	12												CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
88+07		LT	0.7	0.6		0.7							4.0	12												CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
88+07		RT	1.7	1.4		1.7					15	15	10.0	12												CONSTRUCT SIDEWALK RAMP, TYPE 6
SUBTOTALS			21.9	18.2	300	21.9	77	1	19	9	94	112	130.9	128									6			
ROUNDING			3.1	1.8	-	3.1	-	-	-	-	6	8	4.1	2									-			
TOTALS			25	20	300	25	77	1	19	9	100	120	135	130									6			

ITEM DETAIL SUMMARY SHEET

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022idss.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 7 OF 19

BEGIN STP 2801(1)S U.S. ROUTE 302
BARRE CITY STA 0+00=MM 0.000
BERLIN/BARRE TOWN LINE

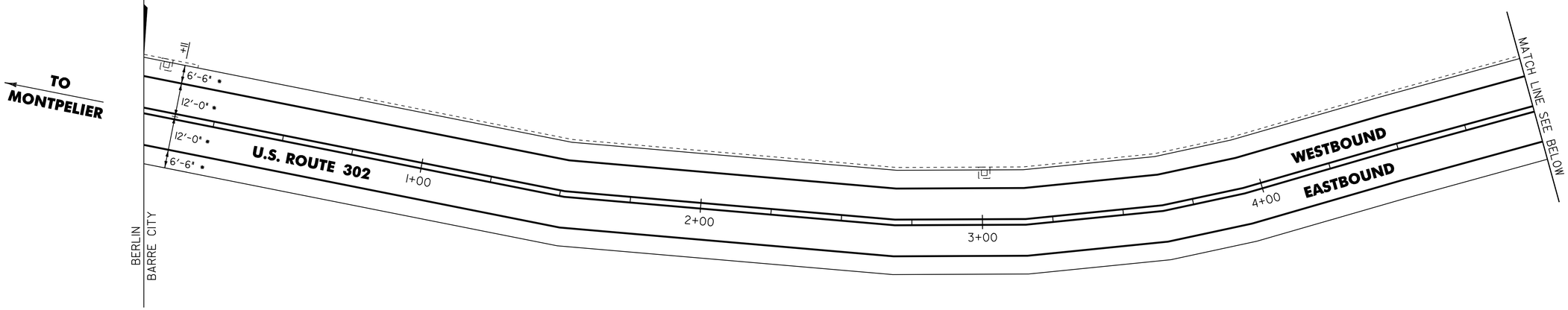
646.20 4 INCH WHITE LINE
STA. 0+00.0 TO 5+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 0+00.0 TO 5+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 0+00.0 TO 5+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 0+00.0 TO 5+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB OR MH
STA. 0+04.5, LT
STA. 3+00.7, LT



* MATCH EXISTING PAVEMENT MARKINGS

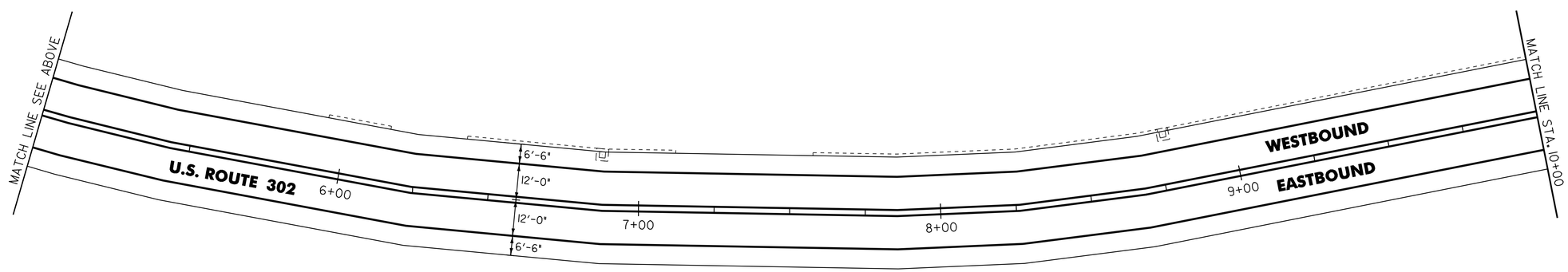
646.20 4 INCH WHITE LINE
STA. 5+00.0 TO 10+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 5+00.0 TO 10+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 5+00.0 TO 10+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 5+00.0 TO 10+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB OR MH
STA. 6+86.4, LT
~~STA. 8+77.3, LT~~



NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #1

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022101.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 8 OF 19

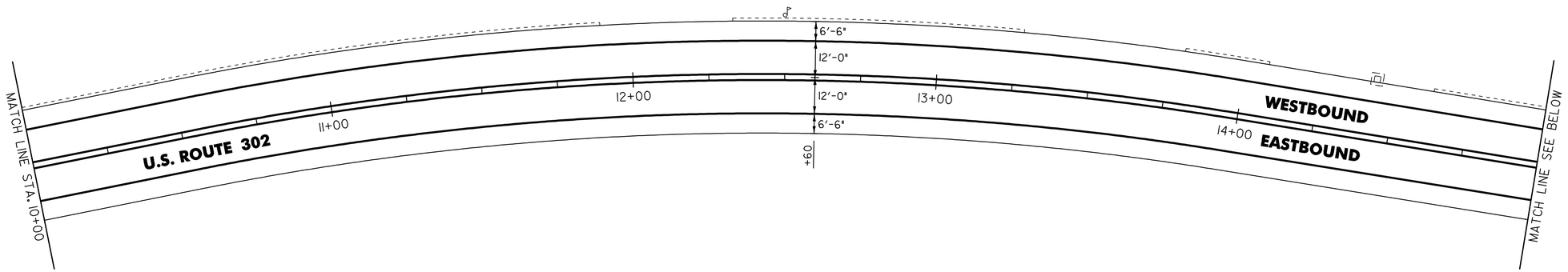
646.20 4 INCH WHITE LINE
STA. 10+00.0 TO 15+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 10+00.0 TO 15+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 10+00.0 TO 15+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 10+00.0 TO 15+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB OR MH
STA. 14+43.6, LT



646.20 4 INCH WHITE LINE
STA. 15+00.0 TO 20+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

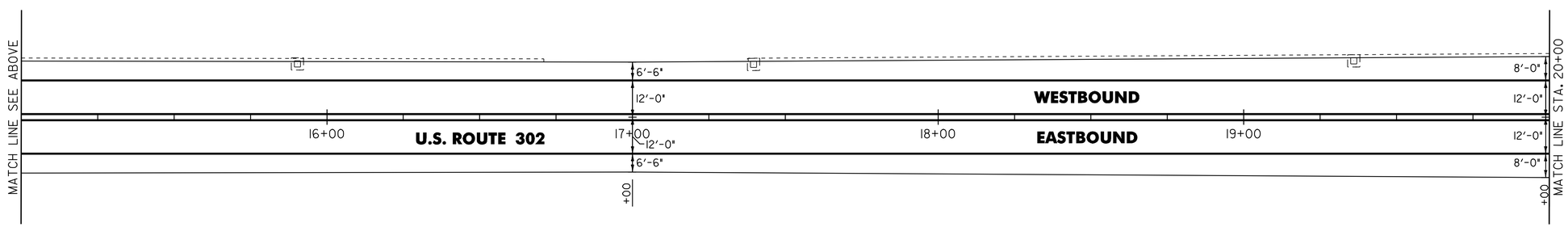
646.21 4 INCH YELLOW LINE
STA. 15+00.0 TO 20+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 15+00.0 TO 20+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 15+00.0 TO 20+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB OR MH
~~STA. 15+90.3, LT~~
STA. 17+39.6, LT
~~STA. 19+36.0, LT~~

604.47 C.I. GRATE W/ FRAME, TYPE D
17+39.6 LT



NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #2

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022102.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 9 OF 19

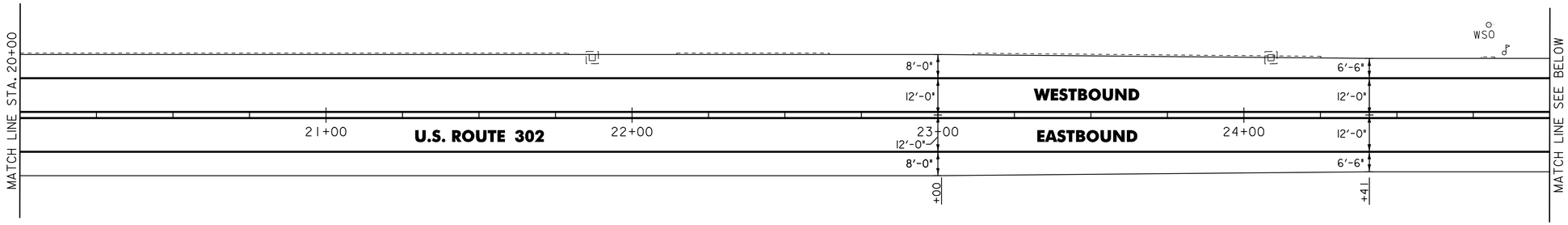
646.20 4 INCH WHITE LINE
STA. 20+00.0 TO 25+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 20+00.0 TO 25+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 20+00.0 TO 25+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 20+00.0 TO 25+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB OR MH
~~STA. 21+87.0, LT~~
~~STA. 24+08.9, LT~~



646.20 4 INCH WHITE LINE
STA. 25+00.0 TO 30+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

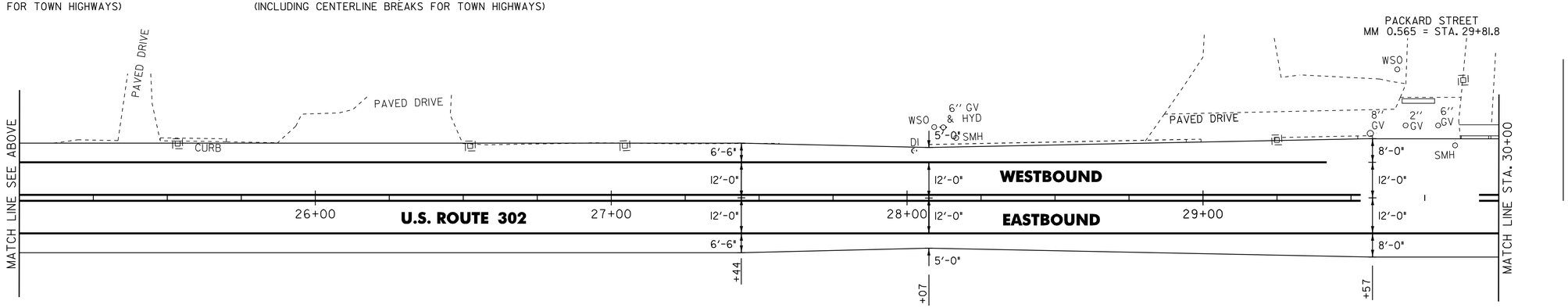
646.21 4 INCH YELLOW LINE
STA. 25+00.0 TO 30+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 25+00.0 TO 30+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 25+00.0 TO 30+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB OR MH
STA. 25+58.3, LT
~~STA. 26+57.2, LT~~
~~STA. 27+09.2, LT~~
~~STA. 28+08.5, LT~~
~~STA. 29+30.8, LT~~

604.47 C.I. GRATE W/ FRAME, TYPE D
25+58.3 LT



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 29+91.5, LT

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #3

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022103.i

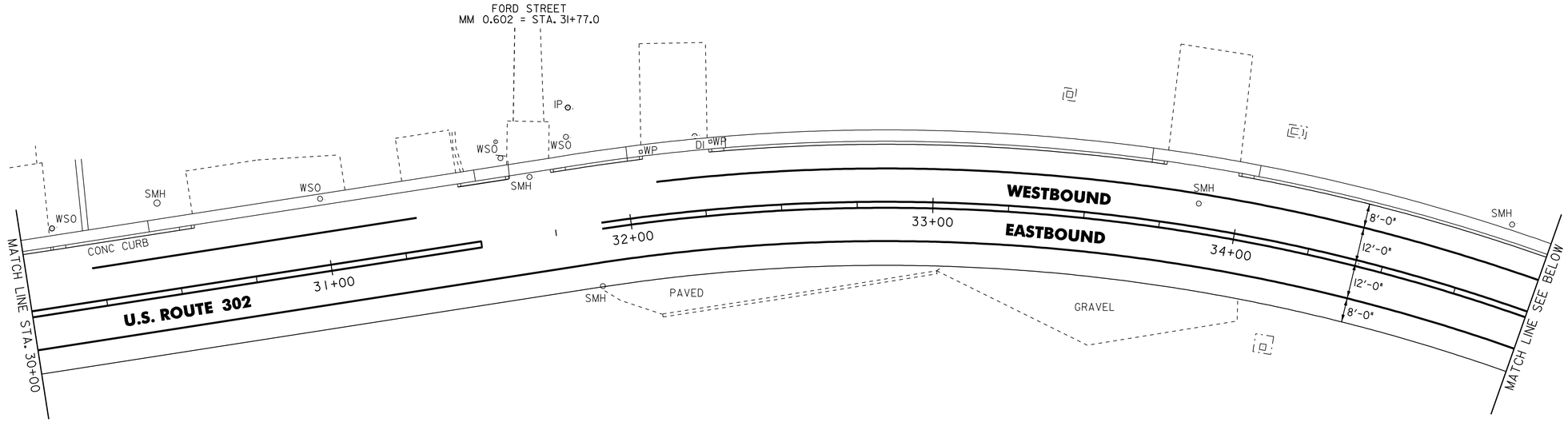
PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 10 OF 19

646.20 4 INCH WHITE LINE
STA. 30+00.0 TO 35+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 30+00.0 TO 35+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 30+00.0 TO 35+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 30+00.0 TO 35+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)



604.42 CHANGING ELEVATION OF SEWER MANHOLES
~~STA. 31+74.6, LT~~
~~STA. 31+95.5, RT~~
~~STA. 33+97.0, LT~~

646.20 4 INCH WHITE LINE
STA. 35+00.0 TO 40+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 37+50.0 TO 38+50.0, DASHED RT
STA. 38+50.0 TO 40+00.0, SOLID RT (LANE LINE)

646.21 4 INCH YELLOW LINE
STA. 35+00.0 TO 40+00.0, SOLID LT & RT
STA. 35+05.0 TO 38+50.0, DOUBLE SOLID RT

646.23 8 INCH YELLOW LINE
STA. 35+05.0 TO 38+50.0, SOLID DIAGONALS RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 35+00.0 TO 40+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 37+50.0 TO 38+50.0, DASHED RT
STA. 38+50.0 TO 40+00.0, SOLID RT (LANE LINE)

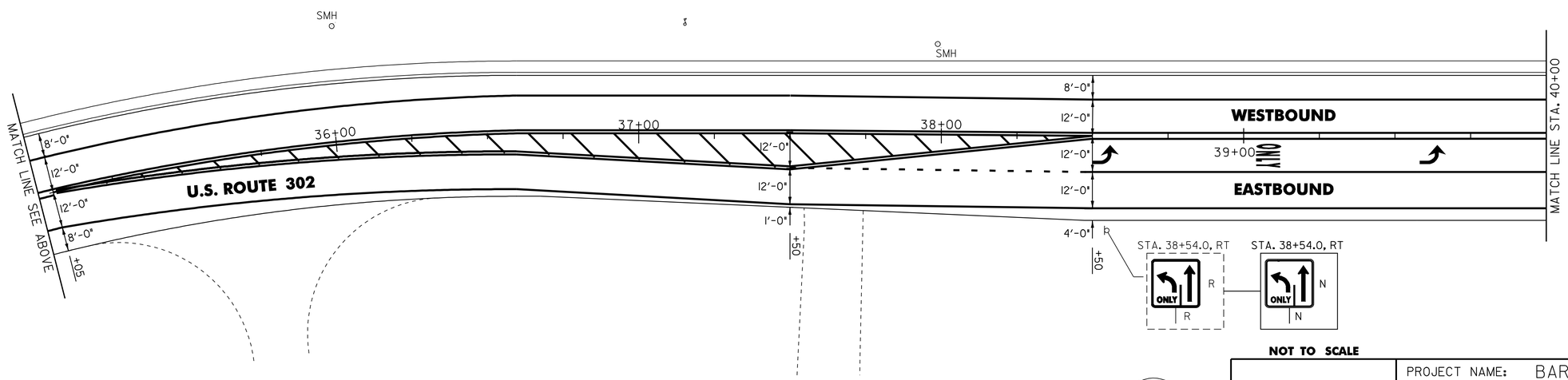
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 35+00.0 TO 40+00.0, SOLID LT & RT
STA. 35+05.0 TO 38+50.0, DOUBLE SOLID RT

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 35+05.0 TO 38+50.0, SOLID DIAGONALS RT

646.30 LETTER OR SYMBOL
STA. 38+54.0, RT - ARROW
STA. 39+08.3, RT - "ONLY"
STA. 39+62.5, RT - ARROW

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 38+54.0, RT - ARROW
STA. 39+62.5, RT - ARROW

675.50 REMOVING SIGNS
AS SHOWN - 1



NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #4

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022104.1

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 11 OF 19

646.20 4 INCH WHITE LINE
STA. 40+00.0 TO 45+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 40+00.0 TO 40+96.6, SOLID RT (LANE LINE)

646.21 4 INCH YELLOW LINE
STA. 40+00.0 TO 45+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 41+37.5 TO 43+55.0, DOUBLE SOLID RT

646.23 8 INCH YELLOW LINE
STA. 41+37.5 TO 43+55.0, SOLID DIAGONALS RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 40+00.0 TO 45+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 40+00.0 TO 40+96.6, SOLID RT (LANE LINE)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 40+00.0 TO 45+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 41+37.5 TO 43+55.0, DOUBLE SOLID RT

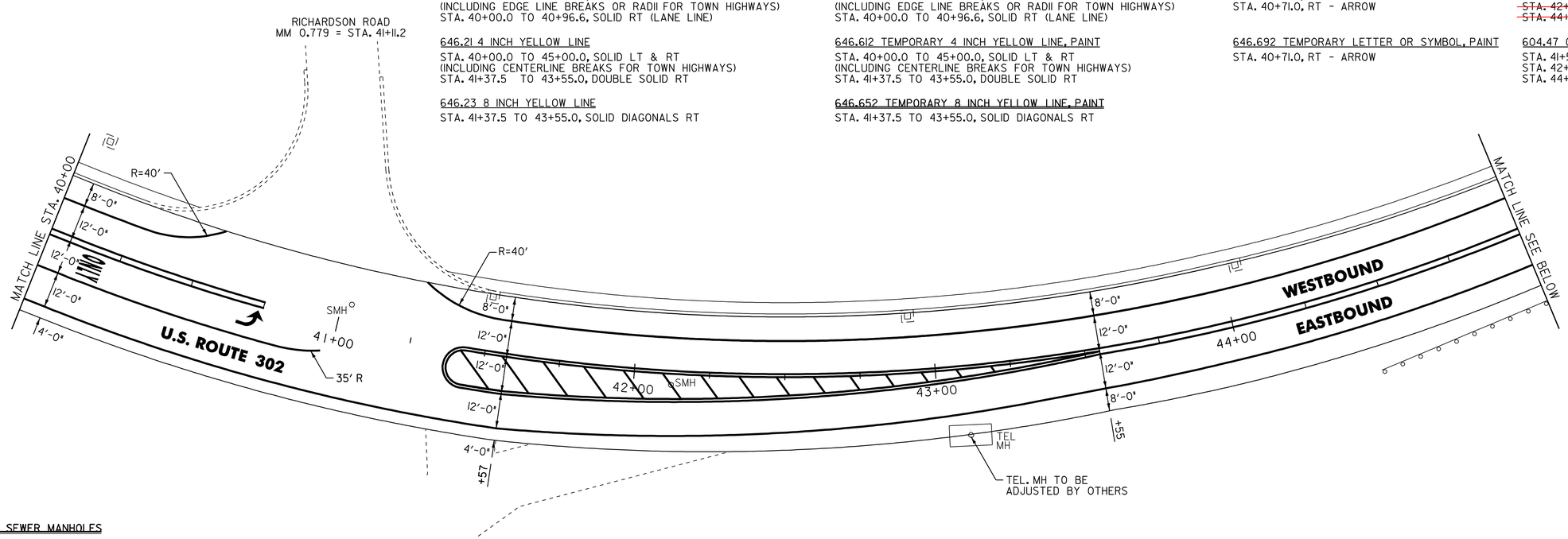
646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 41+37.5 TO 43+55.0, SOLID DIAGONALS RT

646.30 LETTER OR SYMBOL
STA. 40+16.8, RT - "ONLY"
STA. 40+71.0, RT - ARROW

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 40+71.0, RT - ARROW

604.40 CHANGING ELEVATION OF DI, CB, OR MH
STA. 41+50.5, LT
~~STA. 42+92.0, LT~~
~~STA. 44+05.5, LT~~

604.47 CAST IRON GRATE WITH FRAME, TYPE D
STA. 41+50.5, LT
STA. 42+92.0, LT
STA. 44+05.5, LT



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 41+17.6, LT
STA. 42+22.6, RT

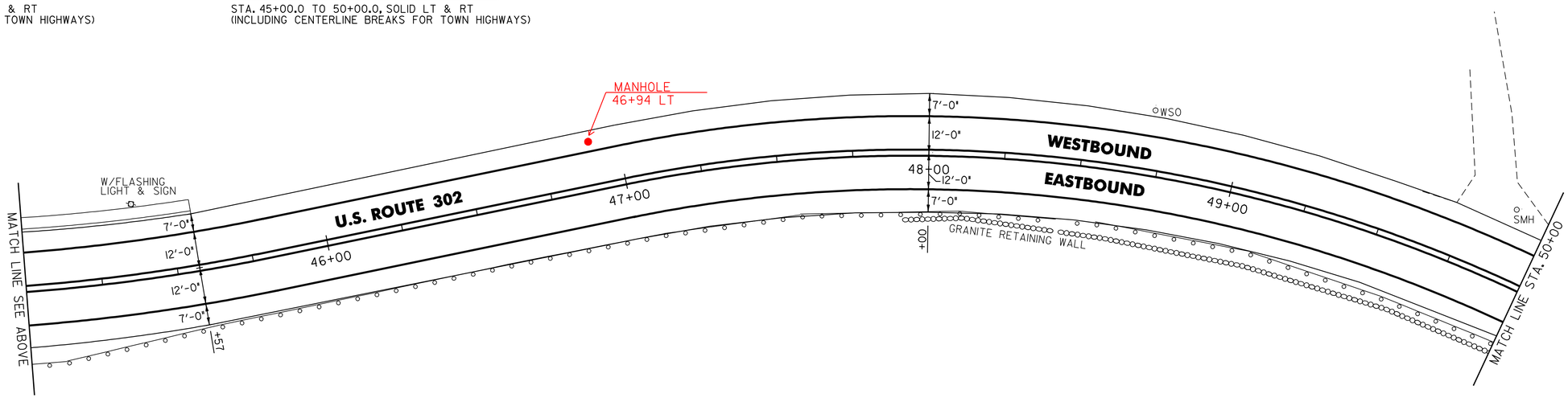
646.20 4 INCH WHITE LINE
STA. 45+00.0 TO 50+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 45+00.0 TO 50+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 45+00.0 TO 50+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 45+00.0 TO 50+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.42 CE SMH
47+03 LT



NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #5

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022105.dgn

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 12 OF 19

646.20 4 INCH WHITE LINE
STA. 50+00.0 TO 55+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 54+64.8 TO 55+00.0, SOLID LT (LANE LINE)

646.21 4 INCH YELLOW LINE
STA. 50+00.0 TO 51+66.2, SOLID LT & RT
STA. 51+66.2 TO 54+02.3, DOUBLE SOLID LT
STA. 51+66.2 TO 55+00.0, DOUBLE SOLID RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.23 8 INCH YELLOW LINE
STA. 51+66.2 TO 54+02.3, SOLID DIAGONALS LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 50+00.0 TO 55+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 54+64.8 TO 55+00.0, SOLID LT (LANE LINE)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 50+00.0 TO 51+66.2, SOLID LT & RT
STA. 51+66.2 TO 54+02.3, DOUBLE SOLID LT
STA. 51+66.2 TO 55+00.0, DOUBLE SOLID RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 51+66.2 TO 54+02.3, SOLID DIAGONALS LT & RT

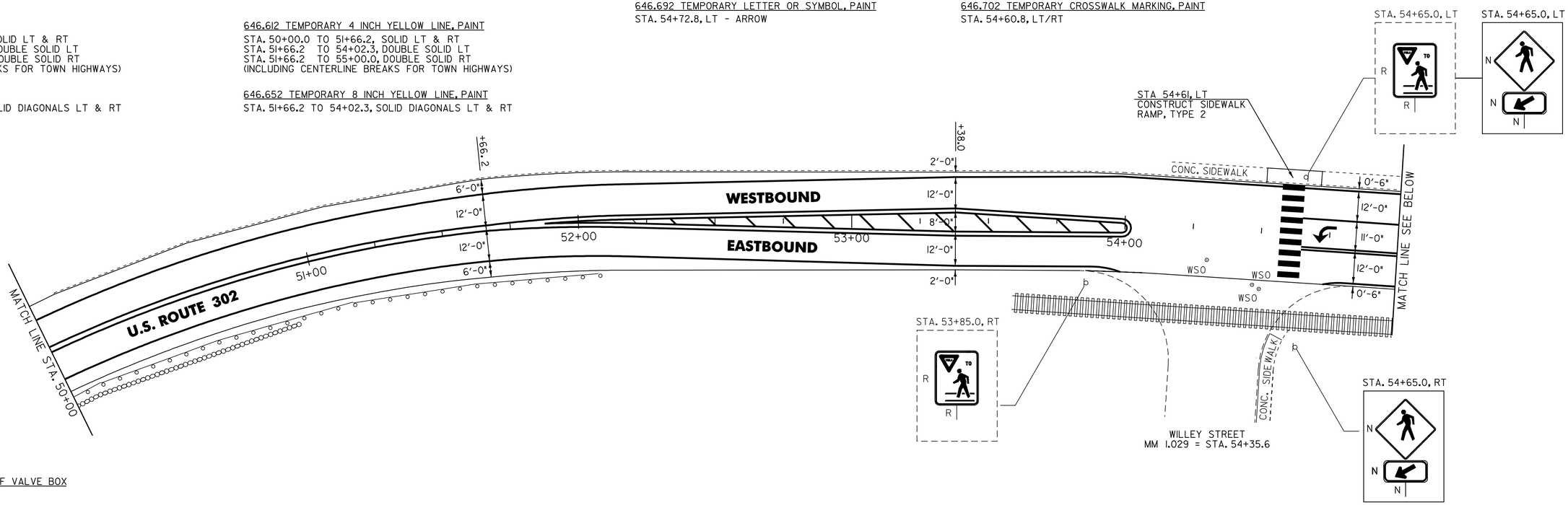
646.30 LETTER OR SYMBOL
STA. 54+72.8, LT - ARROW

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 54+72.8, LT - ARROW

646.31 CROSSWALK MARKING
STA. 54+60.8, LT/RT

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 54+60.8, LT/RT

675.50 REMOVING SIGNS
AS SHOWN - 2



629.20 ADJUST ELEVATION OF VALVE BOX
STA. 54+30.7, RT

646.20 4 INCH WHITE LINE
STA. 55+00.0 TO 60+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 55+00.0 TO 55+30.0, SOLID LT (LANE LINE)
STA. 55+30.0 TO 56+46.0, DASHED LT (LANE LINE)

646.21 4 INCH YELLOW LINE
STA. 55+00.0 TO 57+50.0, DOUBLE SOLID RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 55+86.0 TO 57+50.0, DOUBLE SOLID LT
STA. 57+50.0 TO 60+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.23 8 INCH YELLOW LINE
STA. 55+86.0 TO 57+50.0, SOLID DIAGONALS LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 55+00.0 TO 60+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 55+00.0 TO 55+30.0, SOLID LT (LANE LINE)
STA. 55+30.0 TO 56+46.0, DASHED LT (LANE LINE)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 55+00.0 TO 57+50.0, DOUBLE SOLID RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 55+86.0 TO 57+50.0, DOUBLE SOLID LT
STA. 57+50.0 TO 60+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

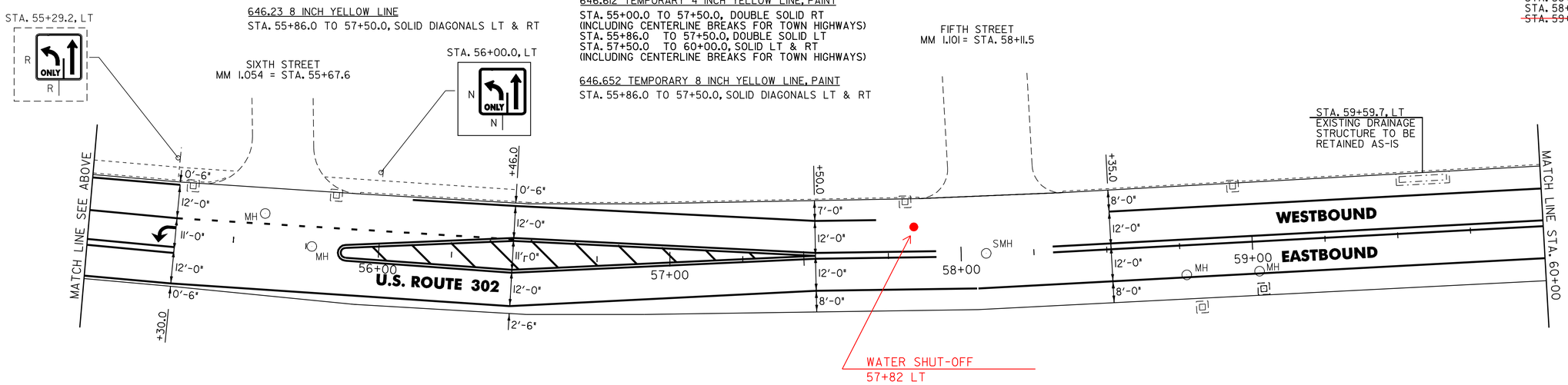
646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 55+86.0 TO 57+50.0, SOLID DIAGONALS LT & RT

646.30 LETTER OR SYMBOL
STA. 55+26.0, LT - ARROW

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 55+26.0, LT - ARROW

675.50 REMOVING SIGNS
AS SHOWN - 1

604.40 CHANGING ELEVATION OF DI, CB, OR MH
~~STA. 55+34.5, RT~~
~~STA. 55+60.0, LT~~
~~STA. 55+77.0, ℄~~
STA. 55+84.4, LT
~~STA. 57+81.3, LT~~
~~STA. 58+77.0, RT~~
STA. 58+94.2, LT
~~STA. 59+02.0, RT (2)~~



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 58+08.6, ℄

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #6

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022106.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 13 OF 19

646.20 4 INCH WHITE LINE
STA. 60+00.0 TO 65+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

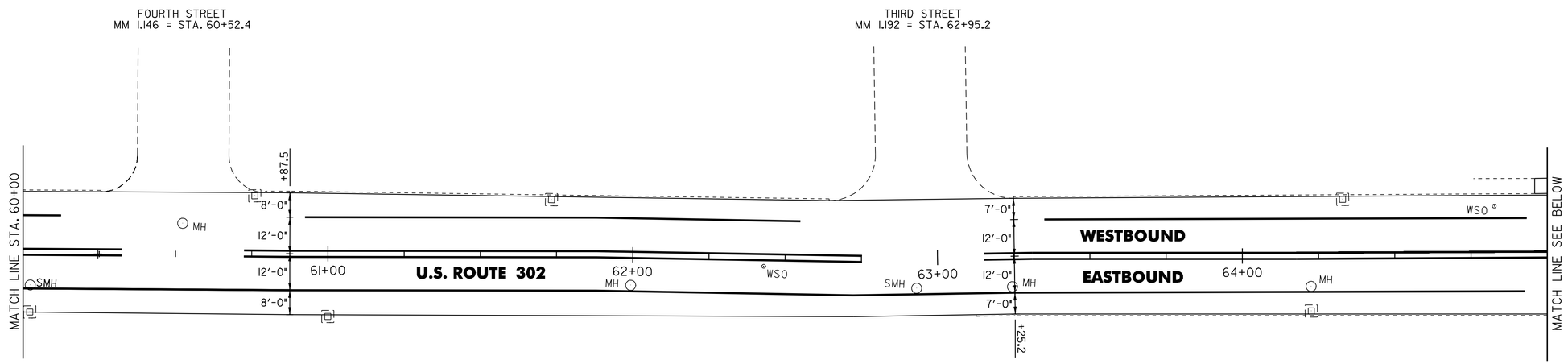
646.21 4 INCH YELLOW LINE
STA. 60+00.0 TO 65+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 60+00.0 TO 65+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

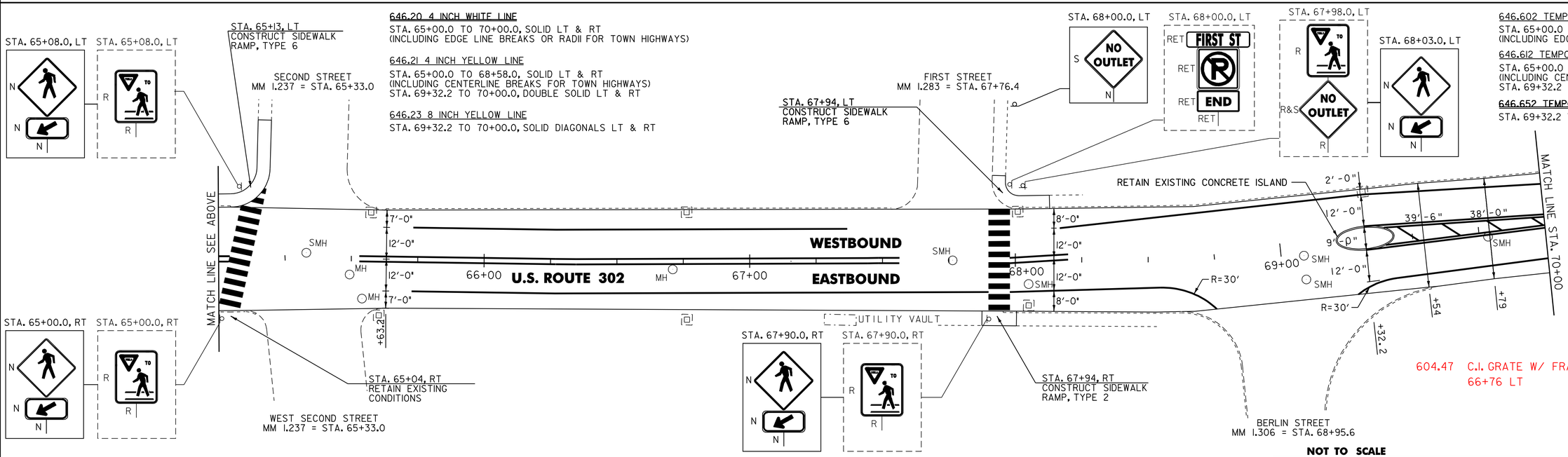
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 60+00.0 TO 65+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

604.40 CHANGING ELEVATION OF DI, CB, OR MH
~~STA. 60+02.3, RT~~
~~STA. 60+52.4, LT~~
~~STA. 60+76.0, LT~~
STA. 61+00.0, RT
~~STA. 61+73.1, LT~~
~~STA. 61+99.5, RT~~
~~STA. 63+24.4, RT~~
~~STA. 64+22.5, RT (2)~~
~~STA. 64+33.0, LT~~
60+72 LT

604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 60+02.3, RT
STA. 62+93.0, RT
61+73 LT
61+99.5 RT
60+64 RT
62+83 RT
63+24 RT
64+24 RT



629.20 ADJUST ELEVATION OF VALVE BOX
STA. 62+43.0, RT
STA. 64+82.7, LT



NOT TO SCALE

646.31 CROSSWALK MARKING
STA. 65+04.0, RT TO 65+13.0, LT
STA. 67+93.8, LT/RT

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 65+04.0, RT TO 65+13.0, LT
STA. 67+93.8, LT/RT

675.50 REMOVING SIGNS
AS SHOWN - 5

604.40 CHANGING ELEVATION OF DI, CB, OR MH
~~STA. 65+49.4, RT~~
~~STA. 65+54.2, RT~~
STA. 65+57.2, LT
~~STA. 66+71.0, RT~~
STA. 66+76.3, LT
~~STA. 68+01.0, LT~~
~~STA. 68+05.0, RT~~
~~STA. 69+33.0, LT~~

604.42 CHANGING ELEVATION OF SEWER MANHOLES
~~STA. 65+33.0, LT~~
STA. 67+76.4, ℄
STA. 68+05.0, RT
~~STA. 69+08.6, RT (2)~~
STA. 69+78.3, RT
65+93 LT
65+54 RT
65+49 RT
66+71CL

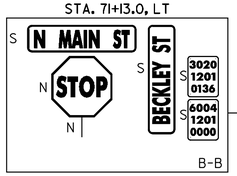
Stantec

PROJECT LAYOUT SHEET #7

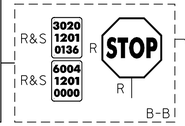
PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022107.i
PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 14 OF 19

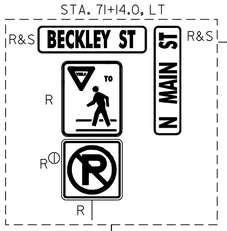
STA. 71+13.0, LT



STA. 71+13.0, LT



STA. 71+14.0, LT



STA. 71+14.0, LT

646.20 4 INCH WHITE LINE
STA. 70+00.0 TO 75+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 74+40.0 TO 75+00.0, DOTTED RT (LANE LINE)

646.21 4 INCH YELLOW LINE
STA. 70+00.0 TO 70+90.0, DOUBLE SOLID LT & RT
STA. 70+90.0 TO 72+26.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 72+26.0 TO 75+00.0, DOUBLE SOLID LT & RT

646.23 8 INCH YELLOW LINE
STA. 70+00.0 TO 70+90.0, SOLID DIAGONALS LT & RT
STA. 72+26.0 TO 75+00.0, SOLID DIAGONALS LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 70+00.0 TO 75+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)
STA. 74+40.0 TO 75+00.0, DOTTED RT (LANE LINE)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 70+00.0 TO 70+90.0, DOUBLE SOLID LT & RT
STA. 70+90.0 TO 72+26.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 72+26.0 TO 75+00.0, DOUBLE SOLID LT & RT

646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 70+00.0 TO 70+90.0, SOLID DIAGONALS LT & RT
STA. 72+26.0 TO 75+00.0, SOLID DIAGONALS LT & RT

646.31 CROSSWALK MARKING
STA. 71+12.0, LT/RT

646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 71+12.0, LT/RT

604.40 CHANGING ELEVATION OF DI, CB, OR MH
~~STA. 70+35.5, LT~~
~~STA. 71+42.0, LT~~
STA. 71+48.0, RT
~~STA. 72+46.6, LT~~
STA. 73+63.2, LT
STA. 73+67.6, ℄
STA. 74+79.0, LT
~~STA. 74+79.0, RT~~

71+08 CL
74+49 RT

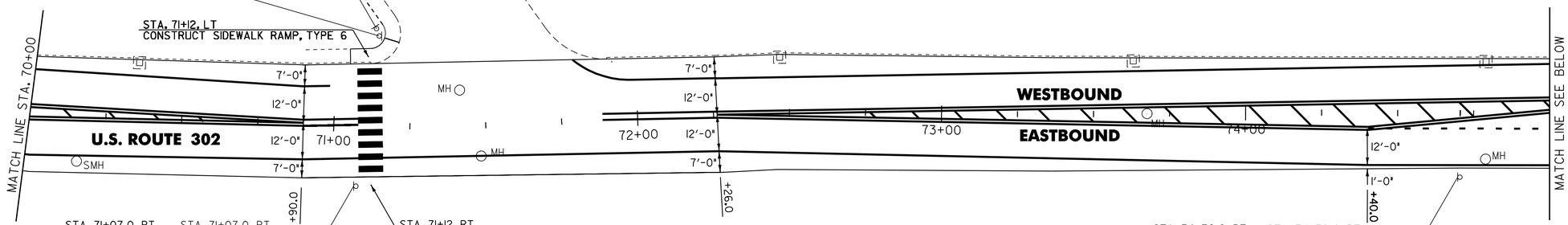
604.42 CHANGING ELEVATION OF SEWER MANHOLES
~~STA. 70+15.8, RT~~

675.50 REMOVING SIGNS
AS SHOWN - 11

675.60 ERECTING SALVAGED SIGNS
AS SHOWN - 4

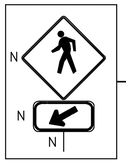
BECKLEY STREET
MM 1.358 = STA. 71+68.5

STA. 71+12, LT
CONSTRUCT SIDEWALK RAMP, TYPE 6

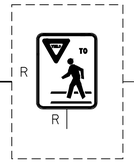


STA. 71+12, RT
RETAIN EXISTING CONDITIONS

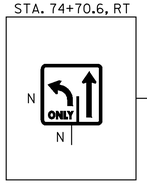
STA. 71+07.0, RT



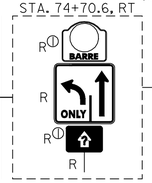
STA. 71+07.0, RT



STA. 74+70.6, RT



STA. 74+70.6, RT



646.20 4 INCH WHITE LINE
STA. 70+00.0 TO 75+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 75+00.0 TO 75+40.0, DOUBLE SOLID LT & RT
STA. 75+40.0 TO 76+00.0, DOUBLE SOLID LT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 76+71.0 TO 78+22.0, DOUBLE SOLID LT & RT
STA. 78+22.0 TO 80+00.0, SOLID LT & RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 75+00.0 TO 80+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 75+00.0 TO 75+40.0, DOUBLE SOLID LT & RT
STA. 75+40.0 TO 76+00.0, DOUBLE SOLID LT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)
STA. 76+71.0 TO 78+22.0, DOUBLE SOLID LT & RT
STA. 78+22.0 TO 80+00.0, SOLID LT & RT

N. SEMINARY STREET
MM 1.446 = STA. 76+35.0

646.23 8 INCH YELLOW LINE
STA. 75+00.0 TO 75+40.0, SOLID DIAGONALS LT & RT
STA. 76+71.0 TO 78+22.0, SOLID DIAGONALS LT & RT

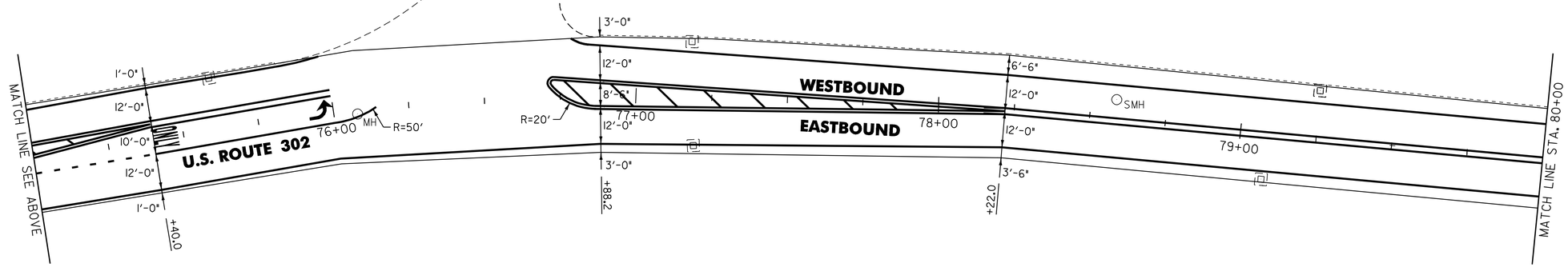
646.652 TEMPORARY 8 INCH YELLOW LINE, PAINT
STA. 75+00.0 TO 75+40.0, SOLID DIAGONALS LT & RT
STA. 76+71.0 TO 78+22.0, SOLID DIAGONALS LT & RT

646.30 LETTER OR SYMBOL
STA. 75+44.0, ℄ - "ONLY"
STA. 75+96.0, ℄ - ARROW

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 75+96.0, ℄ - ARROW

604.40 CHANGING ELEVATION OF DI, CB, OR MH
STA. 75+61.2, LT
STA. 76+08.0, RT
~~STA. 77+18.7, LT~~
~~STA. 77+18.7, RT~~
STA. 79+08.4, RT
~~STA. 79+25.0, LT~~

77+48 LT



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 78+58.3, LT

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #8

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022108.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 15 OF 19

646.20 4 INCH WHITE LINE
STA. 80+00.0 TO 85+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.21 4 INCH YELLOW LINE
STA. 80+00.0 TO 85+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

646.81 PAINTED CURB
STA. 84+86.0 TO 85+00.0, RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 80+00.0 TO 85+00.0, SOLID LT & RT
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 80+00.0 TO 85+00.0, SOLID LT & RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS)

675.50 REMOVING SIGNS
AS SHOWN - 1

646.31 CROSSWALK MARKING
STA. 84+74.1, LT (BROOK ST.)
STA. 84+90.0, LT TO 84+96.0, RT

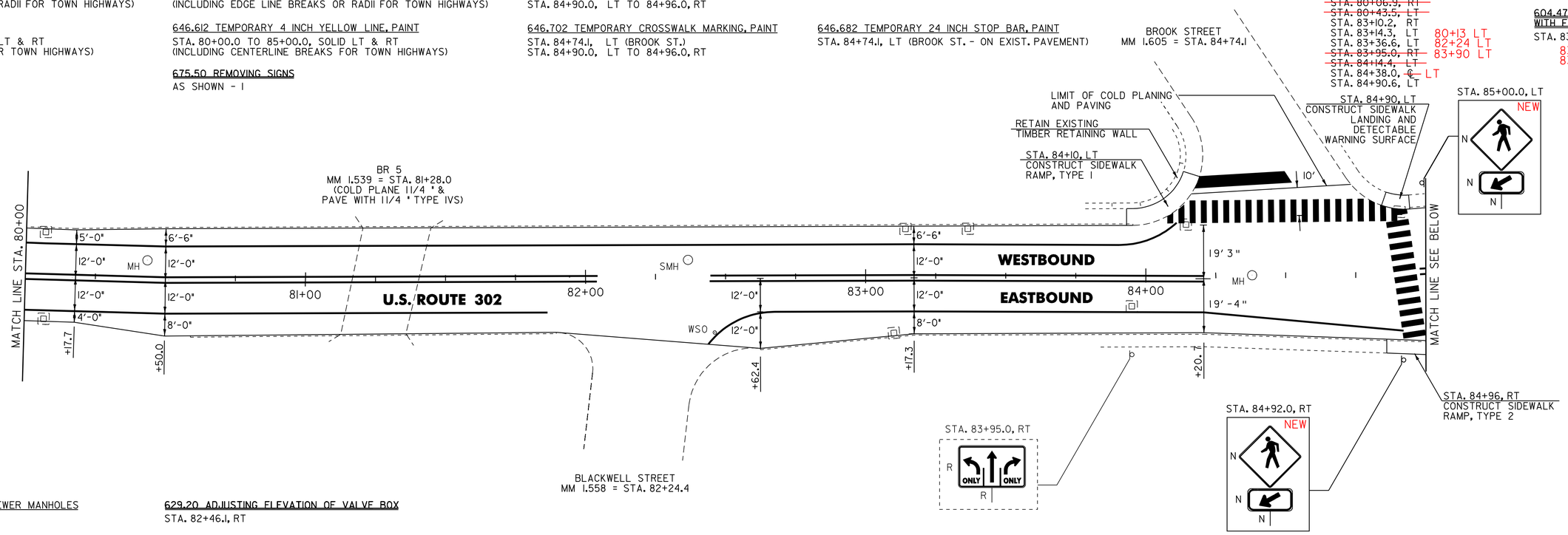
646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 84+74.1, LT (BROOK ST.)
STA. 84+90.0, LT TO 84+96.0, RT

646.26 24 INCH STOP BAR
STA. 84+74.1, LT (BROOK ST. - ON EXIST. PAVEMENT)

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 84+74.1, LT (BROOK ST. - ON EXIST. PAVEMENT)

604.40 CHANGING ELEVATION OF DI, CB, OR MH
~~STA. 80+06.9, LT~~
~~STA. 80+06.9, RT~~
~~STA. 80+43.5, LT~~
STA. 83+10.2, RT
STA. 83+14.3, LT 80+13 LT
STA. 83+36.6, LT 82+24 LT
~~STA. 83+95.0, RT~~ 83+90 LT
~~STA. 84+14.4, LT~~
STA. 84+38.0, ~~℄~~ LT
STA. 84+90.6, LT

604.47 CAST IRON GRATE WITH FRAME, TYPE D
STA. 83+95.0, RT
83+36 LT
83+45 LT



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 82+36.6, LT

629.20 ADJUSTING ELEVATION OF VALVE BOX
STA. 82+46.1, RT

646.20 4 INCH WHITE LINE
STA. 85+00.0 TO 86+91.0, SOLID LT & RT
STA. 85+00.0 TO 86+20.0, DOTTED RT (LANE LINE)
STA. 85+00.0 TO 86+91.0, SOLID RT (LANE LINE)
STA. 86+20.0 TO 86+91.0, SOLID RT (LANE LINE)
STA. 88+17.5 TO 89+43.5, SOLID LT & RT
STA. 88+17.5 TO 89+43.5, SOLID LT (LANE LINE)
STA. 88+17.5 TO 89+43.5, SOLID LT (LANE LINE)
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS AND CROSSWALKS)

646.21 4 INCH YELLOW LINE
STA. 85+00.0 TO 86+91.0, DOUBLE SOLID LT
STA. 88+17.5 TO 89+43.5, DOUBLE SOLID RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS AND CROSSWALKS)

646.81 PAINTED CURB
STA. 85+00.0, TO 85+06.0, RT
STA. 86+90.0, TO 87+10.0, RT

604.47 CAST IRON GRATE WITH FRAME, TYPE D
STA. 85+82.2, LT
~~STA. 88+39.5, LT~~
STA. 88+39.5, RT
~~STA. 89+25.0, RT~~
STA. 89+41.0, LT
89+30 RT
85+26 RT

STA. 85+26.0, RT

604.40 CHANGING ELEVATION OF DI, CB, OR MH
STA. 85+26.0, RT
~~STA. 85+82.2, LT~~
~~STA. 87+95.0, LT~~
~~STA. 88+39.5, LT~~
STA. 88+39.5, RT
~~STA. 89+25.0, RT~~
STA. 89+30.0, RT
~~STA. 89+41.0, LT~~

STA. 85+35.0, LT

675.50 REMOVING SIGNS
AS SHOWN - 2

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA. 85+00.0 TO 86+91.0, SOLID LT & RT
STA. 85+00.0 TO 86+20.0, DOTTED RT (LANE LINE)
STA. 85+00.0 TO 86+91.0, SOLID RT (LANE LINE)
STA. 86+20.0 TO 86+91.0, SOLID RT (LANE LINE)
STA. 88+17.5 TO 89+43.5, SOLID LT & RT
STA. 88+17.5 TO 89+43.5, SOLID LT (LANE LINE)
STA. 88+17.5 TO 89+43.5, SOLID LT (LANE LINE)
(INCLUDING EDGE LINE BREAKS OR RADII FOR TOWN HIGHWAYS AND CROSSWALKS)

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA. 85+00.0 TO 86+91.0, DOUBLE SOLID LT
STA. 88+17.5 TO 89+43.5, DOUBLE SOLID RT
(INCLUDING CENTERLINE BREAKS FOR TOWN HIGHWAYS AND CROSSWALKS)

646.30 LETTER OR SYMBOL
STA. 86+82.0, ℄ - ARROW
STA. 86+82.0, RT - ARROW
STA. 88+26.5, LT - ARROW
STA. 88+26.5, ℄ - ARROW

646.692 TEMPORARY LETTER OR SYMBOL, PAINT
STA. 86+82.0, ℄ - ARROW
STA. 86+82.0, RT - ARROW
STA. 88+26.5, LT - ARROW
STA. 88+26.5, ℄ - ARROW

646.31 CROSSWALK MARKING
STA. 87+00.0, RT TO 87+11.0, LT
STA. 87+51.0, RT (VT 62)
STA. 87+57.4, LT (VT 14-ON EXISTING PAVEMENT)
STA. 88+07.0, LT/RT

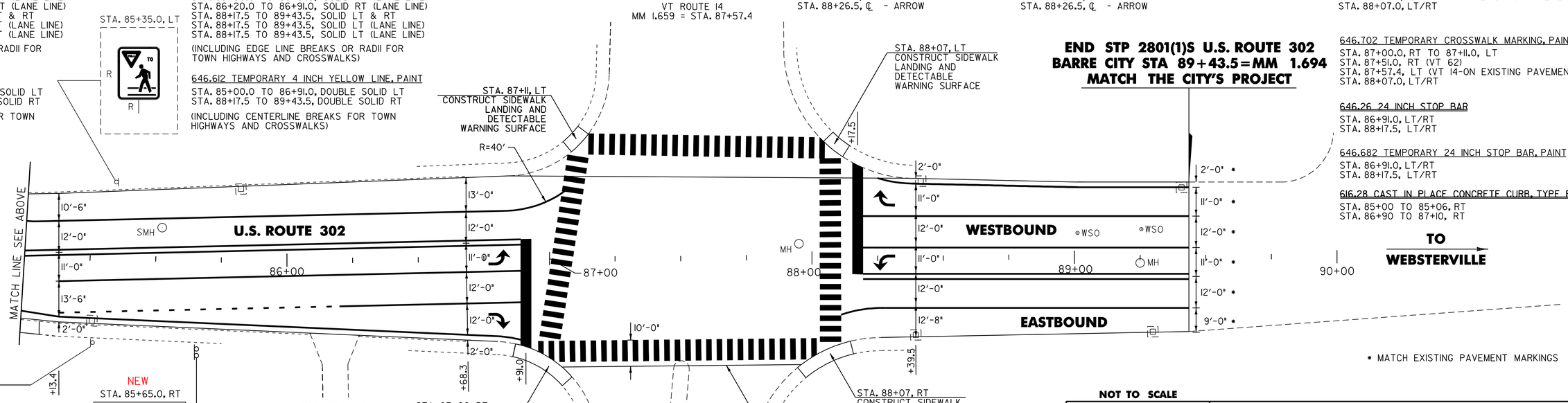
646.702 TEMPORARY CROSSWALK MARKING, PAINT
STA. 87+00.0, RT TO 87+11.0, LT
STA. 87+51.0, RT (VT 62)
STA. 87+57.4, LT (VT 14-ON EXISTING PAVEMENT)
STA. 88+07.0, LT/RT

646.26 24 INCH STOP BAR
STA. 86+91.0, LT/RT
STA. 88+17.5, LT/RT

646.682 TEMPORARY 24 INCH STOP BAR, PAINT
STA. 86+91.0, LT/RT
STA. 88+17.5, LT/RT

616.28 CAST IN PLACE CONCRETE CURB, TYPE B
STA. 85+00 TO 85+06, RT
STA. 86+90 TO 87+10, RT

END STP 2801(1)S U.S. ROUTE 302
BARRE CITY STA 89+43.5=MM 1.694
MATCH THE CITY'S PROJECT



604.42 CHANGING ELEVATION OF SEWER MANHOLES
STA. 85+52.3, LT

629.20 ADJUST ELEVATION OF VALVE BOX
STA. 89+04, LT
STA. 89+25, LT

* MATCH EXISTING PAVEMENT MARKINGS

NOT TO SCALE

Stantec

PROJECT LAYOUT SHEET #9

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022109.i
PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 16 OF 19

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 1.88	2.0 2.16	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 1.3	4.0 1.7	4.0 MOD 1.7	TUBULAR STEEL Ø (in) FOUND-ATION	lb/ft 3.0 7.6	3.5 9.0	4.0 10.8	5.0 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	STD. SHEET NUMBER
BARRE CITY 38+54.0, RT	ONLY	1	30	30	6.25						1					X		X															SIGN ID CODE VR-921		E-145A
54+65.0, LT		1	30	30	6.25						1					X		X															SIGN ID CODE W11-2		E-152
		1	24	12	2.0																												SIGN ID CODE W16-7p		E-152
54+65.0, RT		1	30	30	6.25						1					X		X															SIGN ID CODE W11-2		E-152
		1	24	12	2.0																												SIGN ID CODE W16-7p		E-152
56+00.0, LT	ONLY	1	30	30	6.25						1					X		X															SIGN ID CODE VR-921		E-145A
65+00.0, RT		1	30	30	6.25						1					X		X															SIGN ID CODE W11-2		E-152
		1	24	12	2.0																												SIGN ID CODE W16-7p		E-152
65+08.0, LT	NEW LOCATION	1	30	30	6.25						1					X		X															SIGN ID CODE W11-2		E-152
		1	24	12	2.0																												SIGN ID CODE W16-7p		E-152
67+90.0, RT		1	30	30	6.25						1					X		X															SIGN ID CODE W11-2		E-152
		1	24	12	2.0																												SIGN ID CODE W16-7p		E-152
68+00.0, LT	NO OUTLET						1				1					X		X															SALVAGED SIGN MOUNTED ON NEW POST	-	-
68+03.0, LT		1	30	30	6.25						1					X		X															SIGN ID CODE W11-2		E-152
		1	24	12	2.0																												SIGN ID CODE W16-7p		E-152
												LF	LF	LF	LF	LF 126	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
		TOTALS	SF 62.00	SF	EA. 1	SF						LF			LF 126					LB			EA.	LB				EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #1

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(I)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022ssl.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 17 OF 19

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	SIGN DIMENSIONS WIDTH (in)	SIGN DIMENSIONS HEIGHT (in)	NEW & SALVAGED SIGNS "A"	NEW & SALVAGED SIGNS "B"	NEW & SALVAGED SIGNS SALV SIGN	NEW & SALVAGED SIGNS SALV TIS	EXIST POST RETAIN	EXIST POST SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL lb/ft 1.12	FLANGED CHANNEL lb/ft 2.0	FLANGED CHANNEL lb/ft 3.0	SQUARE STEEL (in) lb/ft 1.75	SQUARE STEEL (in) lb/ft 2.0	SQUARE STEEL (in) lb/ft 2.5	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0	TUBULAR ALUMINUM Ø (in) lb/ft 4.0 MOD	TUBULAR STEEL Ø (in) FOUND-ATION	TUBULAR STEEL Ø (in) lb/ft 3.0	TUBULAR STEEL Ø (in) lb/ft 3.5	TUBULAR STEEL Ø (in) lb/ft 4.0	TUBULAR STEEL Ø (in) lb/ft 5.0	W-SHAPE STEEL FTG. SIZE 24"	W-SHAPE STEEL FTG. SIZE 30"	W-SHAPE STEEL WEIGHT	W-SHAPE STEEL POST SIZE	SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL DETAIL ON DWG. NUMBER	SIGN DETAIL STD. SHEET NUMBER
BARRE CITY 71+07.0, RT		1	30	30	6.25						1					X		X																SIGN ID CODE W11-2		E-152
		1	24	12	2.0																													SIGN ID CODE W16-7p		E-152
71+13.0, LT							2																											NEW STOP SIGN (R1-1) AND SALVAGED MILEMARKER SIGNS MOUNTED BACK TO BACK. SALVAGED STREET SIGNS INSTALLED 6" ABOVE THE "STOP" SIGN USING POST TOP MOUNTING BRACKET ON NEW POST.		E-143
		1	30	30	6.25		2				1					X		X																	
71+14.0, LT		1	30	30	6.25						1					X		X																SIGN ID CODE W11-2		E-152
		1	24	12	2.0																													SIGN ID CODE W16-7p		E-152
74+70.6, RT		1	30	30	6.25						1					X		X																SIGN ID CODE VR-921		E-145A
84+92.0, RT	NEW LOCATION	1	30	30	6.25						1					X		X																SIGN ID CODE W11-2		E-152
		1	24	12	2.0																													SIGN ID CODE W16-7p		E-152
85+00.0, LT	NEW LOCATION	1	30	30	6.25						1					X		X																SIGN ID CODE W11-2		E-152
		1	24	12	2.0																													SIGN ID CODE W16-7p		E-152
85+65.0, RT	NEW LOCATION	1	48	30	10.0						2					X		X																SIGN ID CODE VR-932		E-145B
	SHEET 17 TOTALS				62.00		1									127																			
	SHEET 18 TOTALS				55.5		4									114																			
	SUBTOTALS				117.5		5									241																			
	ROUNDING				2.5		-									4																			
												LF	LF	LF	LF	LF 245	LF		EA.	LB	LB	LB		LB	LB	LB	LB								
	TOTALS				SF 120	SF	EA. 5	SF				LF			LF 245					LB			EA.	LB				EA.	EA.	LB				

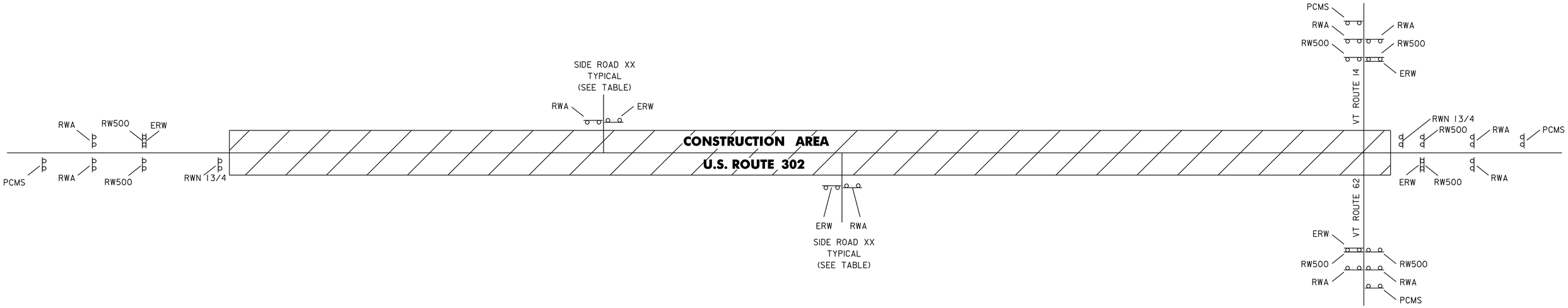
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC AND SAFETY SECTION'S "SIGN POST DESIGN GUIDELINE."

TRAFFIC SIGN SUMMARY SHEET #2

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022ss2.i

PLOT DATE: 14-APR-2010
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 18 OF 19



SEE VTrans STANDARD E-100 AND E-100A FOR SIGN PLACEMENT.

LOCATION	ERW	RW500	RWA	RWN 13/4	PCMS
BARRE CITY					
BEGIN PROJECT	1	2	2	1	1
PACKARD ST.	1		1		
FORD ST.	1		1		
RICHARDSON RD.	1		1		
WILLEY ST.	1		1		
SIXTH ST.	1		1		
FIFTH ST.	1		1		
FOURTH ST.	1		1		
THIRD ST.	1		1		
SECOND ST.	1		1		
W. SECOND ST.	1		1		
FIRST ST.	1		1		
BERLIN ST.	1		1		
BECKLEY ST.	1		1		
N. SEMINARY ST.	1		1		
BLACKWELL ST.	1		1		
BROOK ST.	1		1		
HORACE LN.	1		1		
MAPLE ST. (VT ROUTE 14)	1	2	2		1
VT ROUTE 62	1	2	2		1
END PROJECT	1	2	2	1	1
TOTAL	19	8	25	2	4

NOTE: PAYMENT FOR TEMPORARY CONSTRUCTION SIGNING WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10

LEGEND

ERW = END ROAD WORK
RW500 = ROAD WORK 500 FT
RWA = ROAD WORK AHEAD
RWN 13/4 = ROAD WORK NEXT 1 3/4 MILES
PCMS = PORTABLE CHANGEABLE MESSAGE SIGN

Stantec

TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NAME: BARRE CITY
PROJECT NUMBER: STP 2801(1)S

FILE NAME: p08d022.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p08d022cas.1

PLOT DATE: 14-APR-2010 15:51
DRAWN BY: STANTEC
CHECKED BY: JLL
SHEET 19 OF 19