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TRAFFIC DATA
U.S. ROUTE 5

LOCATION	AADT		DHV		ESALS	
	2012	2022	2012	2022	2012-2022	2012-2032
BEGIN PROJECT MM 0.000 TO MM 0.310	3100	3200	320	330	1,883,000	4,027,000
MM 0.310 TO MM 0.867	1200	1200	130	130	119,000	280,000
MM 0.867 TO MM 1.301	6100	6200	630	640	541,000	1,308,000
MM 1.301 TO MM 1.513	12,000	12,200	1200	1300	1,296,000	3,143,000
MM 1.513 TO MM 1.627	15,800	16,300	1700	1800	2,532,000	6,030,000
MM 1.627 TO MM 1.977	11,100	11,300	1200	1200	3,550,000	7,598,000
MM 1.977 TO MM 2.056	10,600	10,800	1100	1100	1,027,000	2,425,000
MM 2.056 TO MM 2.553	7400	7500	830	840	904,000	2,117,000
MM 2.553 TO END PROJECT MM 3.889	10,100	10,500	1100	1200	2,345,000	5,334,000

QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE	— — — — —
TOWN LINE	— — — — —
LIMITS OF ACCESS	— — — — —
POINT OF ACCESS	X
FENCE LINE	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

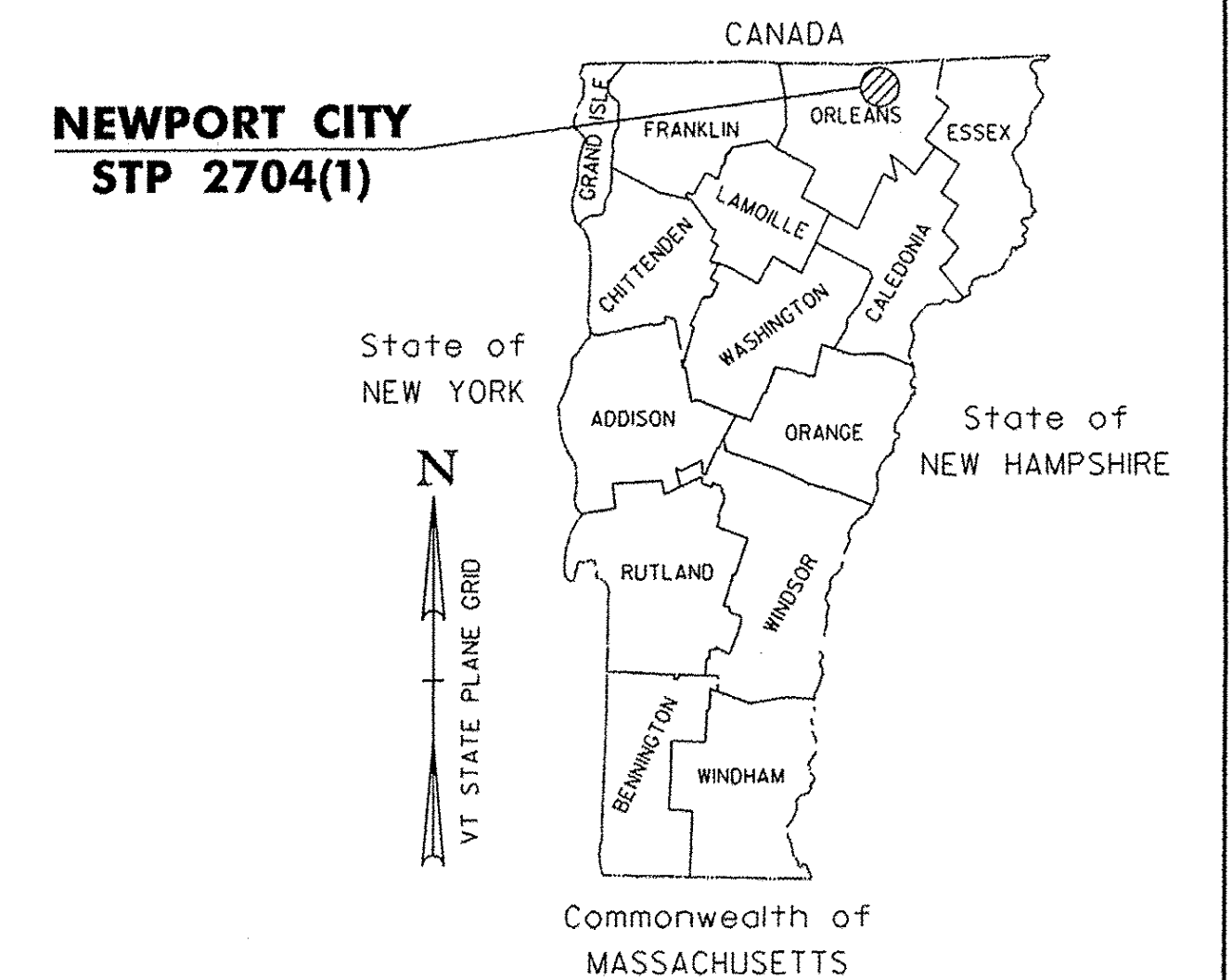
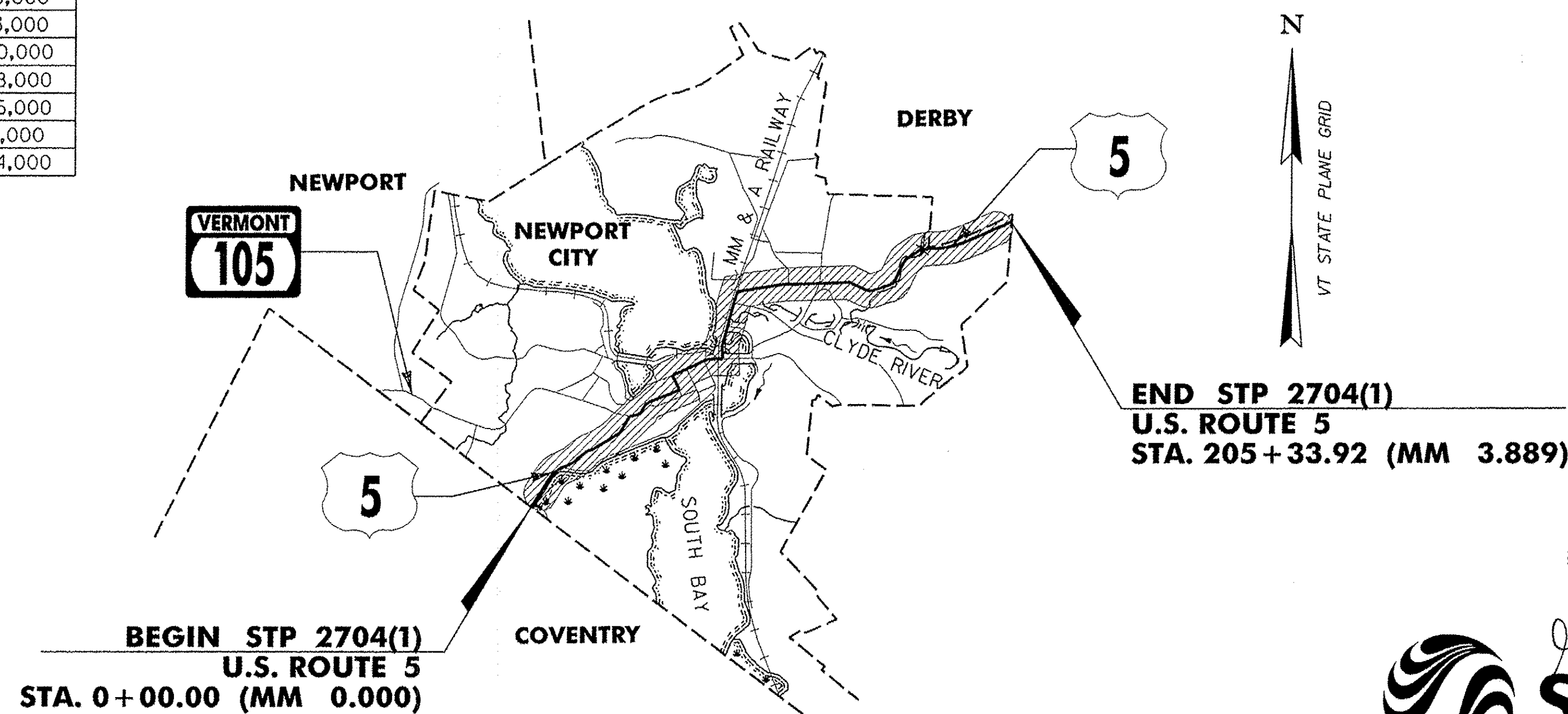


PROPOSED IMPROVEMENT
CLASS 1 TOWN HIGHWAY
CITY OF NEWPORT
COUNTY OF ORLEANS
U.S. ROUTE 5

BEGINNING IN THE CITY OF NEWPORT ON U.S. ROUTE 5 AT STA. 0+00.00 (MM 0.000) AND EXTENDING NORTHERLY ALONG U.S. ROUTE 5 FOR A DISTANCE OF 20,533.92 FEET (3.889 MILES) TO THE NEWPORT/DERBY TOWN LINE AT NEWPORT STA. 205+33.92 (MM 3.889).

PROJECT DATA:	LENGTH	LENGTH
CITY OF NEWPORT	(FEET)	(MILES)
U.S. ROUTE 5		
STA. 0+00.00 TO 205+33.92 =	20,533.92	3.889
MM 0.000 TO 3.889		
TOTAL LENGTH OF PROJECT:	20,533.92	3.889
TOTAL LENGTH OF ROADWAY:	20,533.92	3.889

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



SUPERPAVE BITUMINOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESALS	3,799,000
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADE ASPHALT BINDER	SEE SECTION 490 OF THE GENERAL SPECIAL PROVISIONS AND SPECIAL PROVISIONS

RECORD PLANS

CONTRACTOR: F.W. WHITCOMB CONSTRUCTION CORP. - WALPOLE, NH

RESIDENT ENGINEER: SETH HISMAN

CONSTRUCTION BEGAN: JULY 16, 2012

CONSTRUCTION COMPLETE: NOVEMBER 7, 2013

RECORD PLANS BY: SETH HISMAN & CRAIG PIERCE

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

BY Seth Hisman RESIDENT ENGINEER

DATE 5/28/14

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.

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

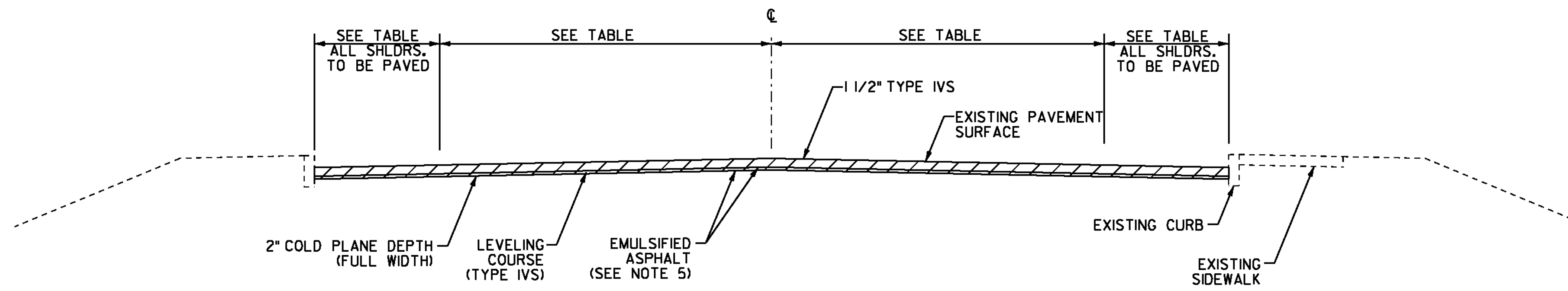
THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

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

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

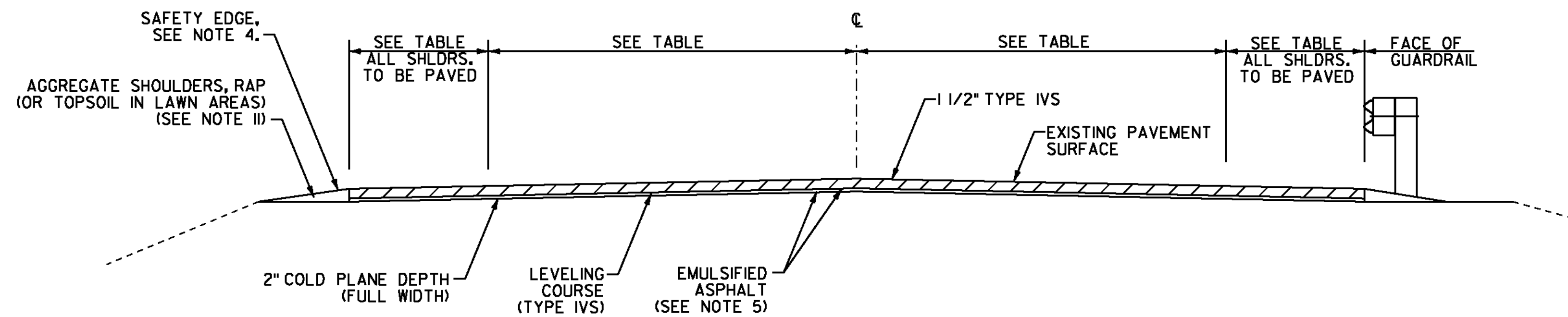
Stantec Consulting Services Inc.
55 Green Mountain Drive
South Burlington VT U.S.A. 05403
Tel. 802.864.0223
Fax. 802.864.0165
www.stantec.com

DIRECTOR OF PROGRAM DEVELOPMENT	APPROVED <u>Richard Stewart</u> DATE <u>4-5-12</u>
PROJECT MANAGER: MICHAEL FOWLER	
PROJECT NAME: NEWPORT CITY	
PROJECT NUMBER: STP 2704 (1)	
SHEET 1 OF 91 SHEETS	



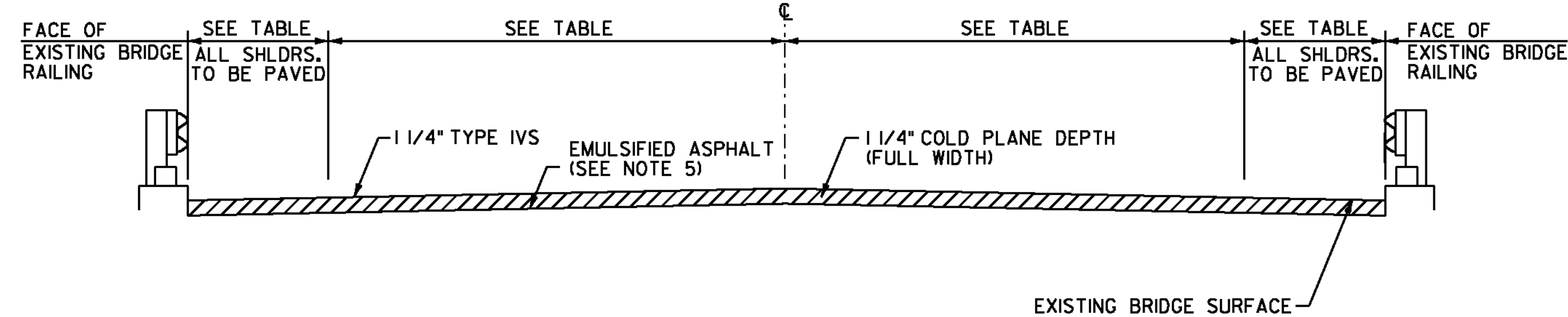
COLD PLANE TYPICAL SECTION - CURBED

U.S. ROUTE 5 STA. 40+50 TO 86+80.24
 U.S. ROUTE 5 STA. 96+70 TO 142+53



COLD PLANE TYPICAL SECTION - NON-CURBED

U.S. ROUTE 5 STA. 0+00.00 TO 40+50
 U.S. ROUTE 5 STA. 90+00.29 TO 96+70
 U.S. ROUTE 5 STA. 142+53 TO 205+33.92



COLD PLANE TYPICAL SECTION - BRIDGE

BR#175 U.S. ROUTE 5 STA. 86+80.24 TO 90+00.29

ASPHALTIC PLUG JOINT LOCATIONS

(SEE STRUCTURES DETAIL SD-516.10)

RR STA. 83+92.31 (56 LF)
 RR STA. 84+75.81 (56 LF)
 BR 175 STA. 86+80.24 (30 LF)
 BR 175 STA. 90+00.29 (30 LF)
 GARDNER PARK ROAD (TH-4) STA 96+55, RT (30 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. GRASS GROWING ADJACENT TO PAVEMENT OR THROUGH CRACKS IN THE PAVEMENT WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE SHALL BE REMOVED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = ±1/4". (TOTAL THICKNESS EXCLUDING LEVELING)
4. EDGES OF NEW PAVEMENT WITHIN UNCURBED SECTIONS SHALL INCLUDE A SAFETY EDGE AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL ON NEXT SHEET.
5. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES. ALL COLD PLANE SURFACES SHALL HAVE AN APPLICATION RATE OF 0.025 TO 0.040 GAL/SY OF CRS-IH OR RS-IH. PAID UNDER ITEM 900.683 SPECIAL PROVISION (EMUSIFIED ASPHALT) (RS-IH OR CRS-IH).
6. 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 NEXT SHEET.
7. ALL PUBLIC OR PRIVATE DRIVES SHALL RECEIVE A MINIMUM 4' PAVED APRON, 2' FOR FIELD DRIVES, PAYABLE UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS, WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
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. DI'S IN DITCHES SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS EVEN WITH THE SURROUNDING TERRAIN. DI'S IN PAVED AREAS SHALL BE REHABILITATED AS SHOWN ON THE CULVERT & STRUCTURE INVENTORY SHEET. DRAINAGE STRUCTURES HAVE BEEN DISTRIBUTED BETWEEN ITEMS 604.40, 604.412, AND 604.415 FOR ESTIMATING PURPOSES.
10. STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
11. ITEM 402.13 AGGREGATE SHOULDERS, RAP SHALL BE USED TO BACK UP EDGES OF PAVEMENT.
12. ESTIMATED QUANTITIES OF ITEMS 608.15, POWER GRADER RENTAL, 608.25, ALL PURPOSE EXCAVATOR RENTAL, TYPE I, AND 608.37, TRUCK RENTAL HAVE BEEN INCLUDED FOR THE EXCAVATION OF UNPAVED SHOULDERS AND REMOVING BUILT UP, SAND, ETC. ADJACENT TO THE SHOULDERS IN NON GUARDRAIL AREAS, TO ALLOW FREE DRAINAGE OFF THE SHOULDER.
13. THE CONTRACTOR MUST USE CARE WHEN COLD PLANING BRIDGE #175 SO AS NOT TO DAMAGE THE BRIDGE MEMBRANE. IF DAMAGE TO THE MEMBRANE SHOULD OCCUR DURING THE COLD PLANING OF BRIDGE #175, THE CONTRACTOR SHALL REPLACE THE BRIDGE MEMBRANE AT NO COST TO THE STATE.
14. COLD PLANE SURFACES WITHIN THE COLD PLANE TYPICAL SECTIONS SHALL HAVE SURFACE PREPARATION BEFORE THE LEVELING COURSE IS LAID. SURFACE PREPARATION SHALL CONSIST OF POT HOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST 1" IN WIDTH. PAYMENT WILL BE UNDER ITEM 900.680, SPECIAL PROVISION "BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I" (SEE DETAIL ON SHEET 16).

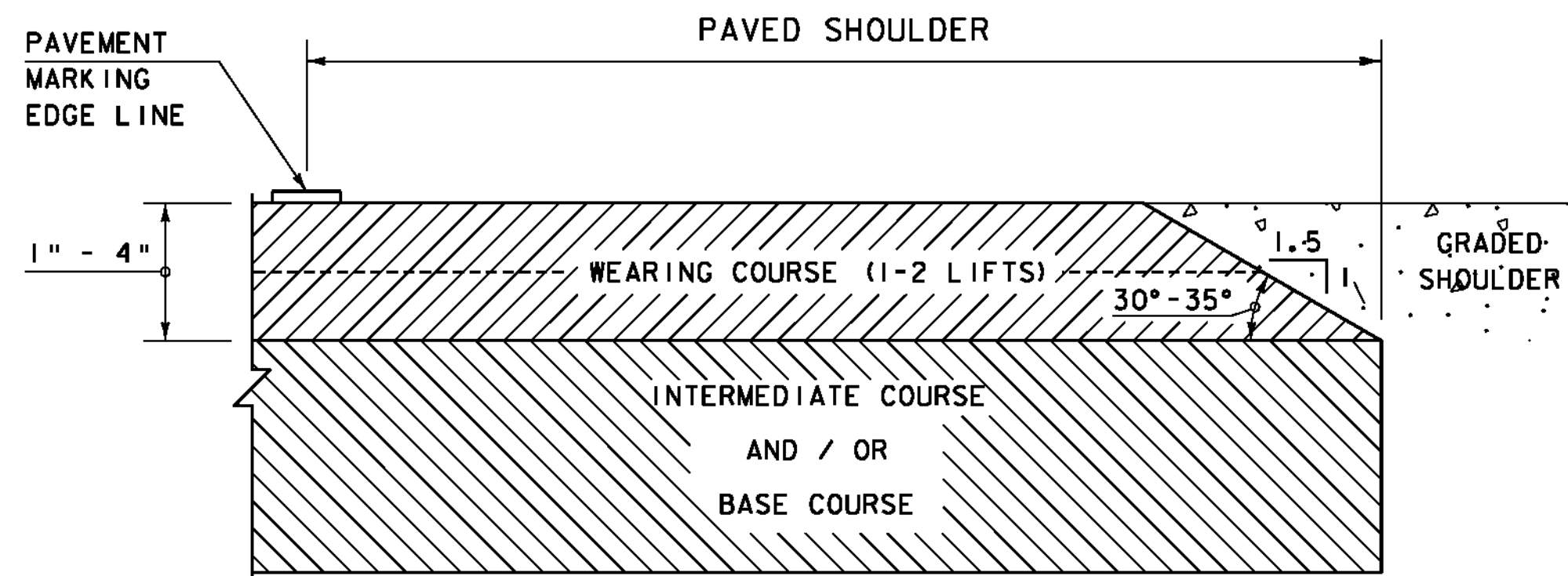
NOT TO SCALE

PROJECT TYPICAL SHEET #1

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(1)

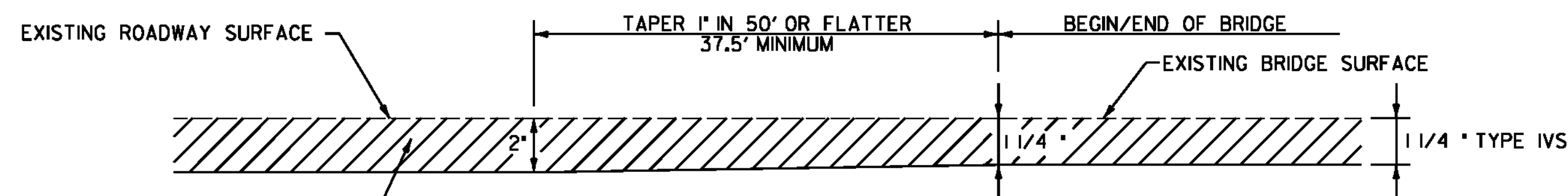
FILE NAME: p07d196.dgn PLOT DATE: 03-APR-2012
 PROJECT LEADER: JLL DRAWN BY: STANTEC
 DESIGNED BY: STANTEC CHECKED BY: STANTEC
 IPARM FILE: p07d196pts01.i SHEET 2 OF 91





SAFETY EDGE DETAIL
NOT TO SCALE

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



BRIDGE TRANSITION DETAIL

BR#175 NEWPORT STA. 86+42.74 TO 86+80.24
BR#175 NEWPORT STA. 90+00.29 TO 90+37.79

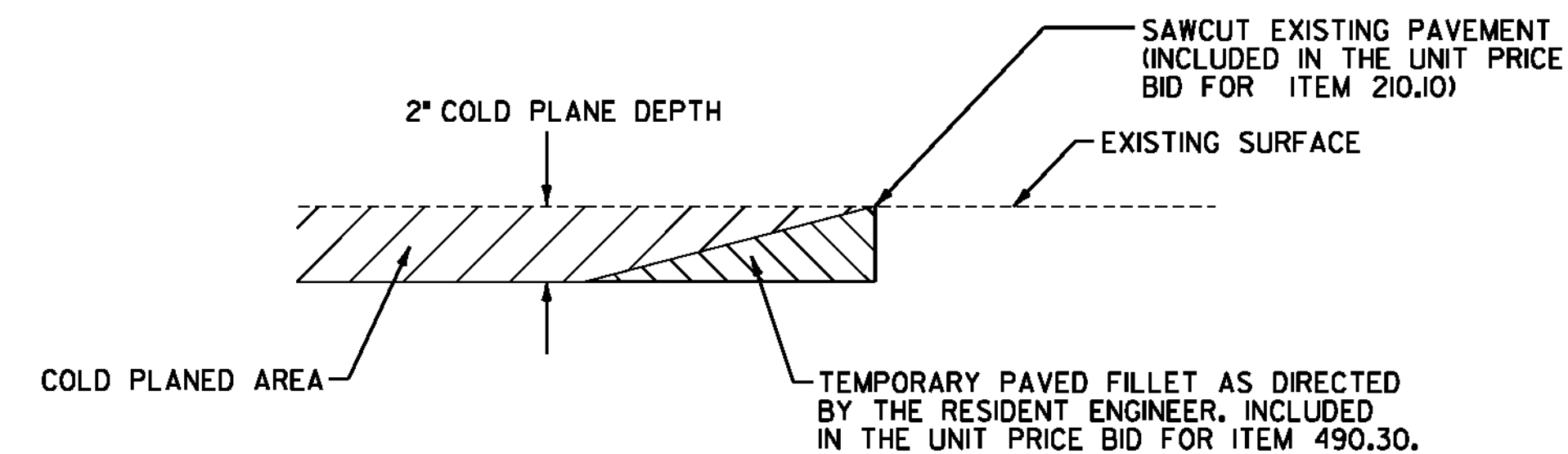
SEEDING FORMULA

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.

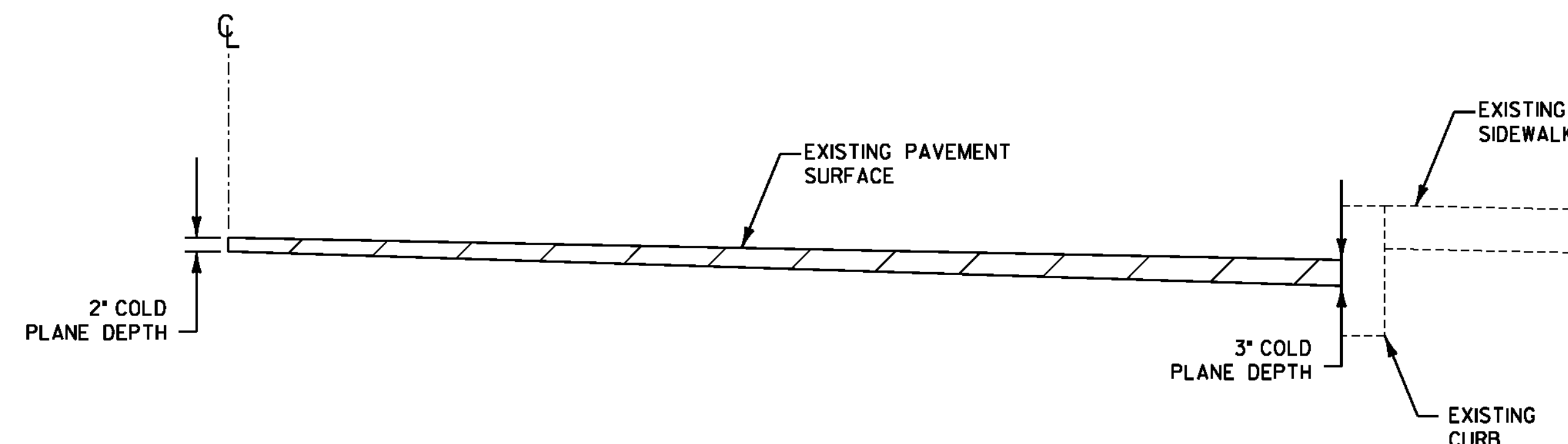


DETAIL AT VERTICAL COLD PLANE JOINTS

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

FULL ROADWAY WIDTH

- STA. 0+00.00 (BEGIN PROJECT)
- STA. 1+00.00 (COVENTRY STATE HIGHWAY/AIRPORT ROAD)
- STA. 16+39.00 (U.S. ROUTE 5 TRUCK ROUTE / COVENTRY STREET)
- STA. 22+37.00 (PATENAUE STREET)
- STA. 40+36.00 (BOBBIN MILL ROAD)
- STA. 45+77.00 (HIGHLAND AVENUE)
- STA. 49+53.00 (PROSPECT STREET)
- STA. 63+33.00 (THIRD STREET)
- STA. 64+87.00 (SUMMER STREET)
- STA. 68+72.00 (MAIN STREET TH-3)
- STA. 68+75.00 (SCHOOL STREET)
- STA. 71+34.00 (BAYVIEW STREET)
- STA. 73+72.00 (SECOND STREET)
- STA. 73+74.00 (FIELD AVENUE)
- STA. 77+02.00 (CENTRAL STREET)
- STA. 77+86.00 (SEYMOUR LANE)
- STA. 79+90.00 (U.S. ROUTE 5 TRUCK ROUTE / COVENTRY STREET)
- STA. 85+93.00 (RAILROAD SQUARE)
- STA. 96+55.00 (GARDNER PARK ROAD TH-4)
- STA. 100+84.00 (DRIVE)
- STA. 104+39.00 (I91 APPROACH)
- STA. 108+57.00 (UNION STREET TH-10)
- STA. 114+45.00 (SUNSET TERRACE)
- STA. 116+06.00 (TAYLOR STREET)
- STA. 118+97.00 (YOUNG STREET)
- STA. 122+62.00 (OAK STREET)
- STA. 125+01.00 (INDIAN POINT STREET)
- STA. 126+15.00 (SPRING STREET)
- STA. 127+53.00 (CONCORD AVENUE)
- STA. 129+43.00 (AUTUMN STREET)
- STA. 134+77.00 (SIAS AVENUE TH-6)
- STA. 134+80.00 (WESTERN AVENUE TH-8)
- STA. 141+32.00 (BLANCHARD AVENUE)
- STA. 205+33.92 (END PROJECT)



MODIFIED COLD PLANE DETAIL FOR DRAINAGE CORRECTION

STA. 54+00 TO 63+14, RT

NOT TO SCALE

**PROJECT
TYPICAL
SHEET #2**

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn PLOT DATE: 3/6/2012
PROJECT LEADER: JLL DRAWN BY: STANTEC
DESIGNED BY: STANTEC CHECKED BY: STANTEC
IPARM FILE: p07d196pts02.i SHEET 3 OF 91



QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES							TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
	ROADWAY	NO FEDERAL /STATE	BRIDGE	FULL C.E.	GRAND TOTAL	UNIT		ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS			
	1				1	EACH		THINNING AND TRIMMING FOR SIGNS	201.31	-			COLD PLANING BITUMINOUS PAVEMENT			
	205	530			735	CY		COMMON EXCAVATION	203.15	11.1	76387	SY	MAINLINE - U.S. ROUTE 5			
	375				375	CY		EARTH BORROW	203.30	-	1081	SY	BRIDGE			
	1				1	CY		TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-	6817	SY	SIDEROADS			
	86700				86700	SY		COLD PLANING, BITUMINOUS PAVEMENT	210.10	819	1596	SY	DRIVES WITH APRONS GREATER THAN 40'			
	120	280			400	CY		SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.26	9.3	819	SY	ROUNDING			
	420				420	TON		AGGREGATE SHOULDERS, RAP	402.13	7			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IVS)			
	1				1	LU		PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-	6658	TON	MAINLINE - U.S. ROUTE 5 WEARING COURSE			
	10100				10100	TON		SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	162	79	TON	BRIDGE			
	1				1	LU		AIR Voids PAY ADJUSTMENT (N.A.B.I.)	490.31	-	597	TON	SIDEROADS			
			205		205	LF		BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	3	186	TON	DRIVES WITH APRONS GREATER THAN 40'			
			100		100	CF		RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	EST.	2418	TON	LEVELING			
	5				5	EACH		CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES	604.40	EST.	162	TON	ROUNDING			
	67				67	EACH		REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS I	604.412	-			TOTAL			
	17				17	EACH		REHAB. DROP INLETS, CATCH BASINS, OR MANHOLES, CLASS II	604.415	-			STONE FILL, TYPE I			
	58				58	EACH		CHANGING ELEVATION OF SEWER MANHOLES	604.42	-	133	CY	DITCH CLEANING			
	10				10	HR		POWER GRADER RENTAL	608.15	EST.	1.9	CY	SLOPE EROSION REPAIR			
	100				100	HR		ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.	5.1	CY	ROUNDING			
	30				30	HR		POWER BROOM RENTAL, TYPE I	608.30	EST.			TOTAL			
	55				55	HR		POWER BROOM RENTAL, TYPE II	608.31	EST.						
	200				200	HR		TRUCK RENTAL	608.37	EST.						
	10				10	HR		LOADER RENTAL, TYPE I	608.40	EST.						
	140				140	CY		STONE FILL, TYPE I	613.10	5.1						
	50				50	CY		STONE FILL, TYPE II	613.11	EST.						
	20				20	LF		GRANITE SLOPE EDGING	616.20	-						
	270	3030			3300	LF		VERTICAL GRANITE CURB	616.21	31.1						
	225				225	LF		CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28	2.2						
	175				175	LF		TREATED TIMBER CURB	616.35	5						
	22				22	LF		REMOVING AND RESETTING CURB	616.40	0.5						
	690	2980			3670	LF		REMOVAL OF EXISTING CURB	616.41	37.2						
	80				80	TON		BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS	616.47	1						
	1				1	EACH		RELOCATE MAILBOX, SINGLE SUPPORT	617.10	-						
	505	1335			1840	SY		PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10	20						
	20	310			330	SY		PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	618.11	6						
	790				790	SF		DETECTABLE WARNING SURFACE	618.30	10						
	18				18	EACH		YIELDING MARKER POSTS	619.17	EST.						
	2050				2050	LF		STEEL BEAM GUARDRAIL, GALVANIZED	621.20	37.5						

PROJECT NAME: NEWPORT
PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196qs01.i

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 4 OF 91

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES						TOTALS	DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
TRAINING	ROADWAY	NO FEDERAL /STATE	BRIDGE	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS	
	600				600	LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	-				
	15				15	EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-				
	2587.5				2587.5	LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	7				
	46				46	EACH	ADJUST ELEVATION OF VALVE BOX	629.20	-				
	782				782	HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.				
	2600				2600	HR	FLAGGERS	630.15	EST.				
				1	1	LS	FIELD OFFICE, ENGINEERS	631.10	-				
				1	1	LS	TESTING EQUIPMENT, CONCRETE	631.16	-				
				1	1	LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-				
				3000	3000	DL	FIELD OFFICE TELEPHONE (N. A. B. I.)	631.26	-				
	520				520	HR	EMPLOYEE TRAINEESHIP	634.10	-				
	1				1	LS	MOBILIZATION/DEMOBILIZATION	635.11	-				
	1				1	LS	TRAFFIC CONTROL	641.10	-				
	1				1	LS	PUBLIC RELATIONS OFFICER	641.12	-				
	3				3	EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-				
	32100				32100	LF	DURABLE 4 INCH WHITE LINE, TYPE I TAPE	646.401	335				
							BEGIN OPTION AA						
	13020				13020	LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.403	116				
	13020				13020	LF	DURABLE 4 INCH WHITE LINE, POLYUREA END OPTION AA	646.404	116				
	30800				30800	LF	DURABLE 4 INCH YELLOW LINE, TYPE I TAPE	646.411	321				
							BEGIN OPTION BB						
	12900				12900	LF	DURABLE 4 INCH YELLOW LINE, EPOXY PAINT	646.413	168				
	12900				12900	LF	DURABLE 4 INCH YELLOW LINE, POLYUREA END OPTION BB	646.414	168				
	885				885	LF	DURABLE 8 INCH WHITE LINE, TYPE I TAPE	646.441	11				
	440				440	LF	DURABLE 8 INCH YELLOW LINE, TYPE I TAPE	646.451	6				
	550				550	LF	DURABLE 24 INCH STOP BAR, TYPE I TAPE	646.481	5				
							BEGIN OPTION CC						
	80				80	LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.483	4				
	80				80	LF	DURABLE 24 INCH STOP BAR, POLYUREA END OPTION CC	646.484	4				
	174				174	EACH	DURABLE LETTER OR SYMBOL, TYPE I TAPE	646.491	-				
							BEGIN OPTION DD						
	34				34	EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.493	-				
	34				34	EACH	DURABLE LETTER OR SYMBOL, POLYUREA END OPTION DD	646.494	-				
	1290				1290	LF	DURABLE CROSSWALK MARKING, TYPE I TAPE	646.501	17				
	145				145	LF	DURABLE CROSSWALK MARKING, EPOXY PAINT	646.503	3				
	3				3	EACH	DURABLE RAILROAD CROSSING SYMBOL, TYPE I TAPE	646.511	-				
	90240				90240	LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	901				

PROJECT NAME: NEWPORT
PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196qs02.i

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 5 OF 91

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES						TOTALS						DETAILED SUMMARY OF QUANTITIES					
ROADWAY	NO FEDERAL /STATE	BRIDGE	FULL C. E.	GRAND TOTAL	UNIT	ITEMS	ITEM NO.	ROUND	QUANTITIES	UNIT	ITEMS	QUANTITIES	UNIT	ITEMS			
87300				87300	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	878			GEOTEXTILE UNDER STONE FILL						
1900				1900	LF	TEMPORARY 8 INCH WHITE LINE, PAINT	646.642	26	597	SY	DITCH CLEANING						
880				880	LF	TEMPORARY 8 INCH YELLOW LINE, PAINT	646.652	12	9	SY	SLOPE EROSION REPAIR						
1255				1255	LF	TEMPORARY 24 INCH STOP BAR, PAINT	646.682	13	4	SY	ROUNDING						
416				416	EACH	TEMPORARY LETTER OR SYMBOL, PAINT	646.692	-	610	SY	TOTAL						
2850				2850	LF	TEMPORARY CROSSWALK MARKING, PAINT	646.702	20			SEED						
6				6	EACH	TEMPORARY RAILROAD CROSSING SYMBOL, PAINT	646.712	-	25	LB	DITCH CLEANING						
2470				2470	EACH	LINE STRIPING TARGETS	646.76	29	89	LB	SEEDING						
1360				1360	LF	PAINTED CURB	646.81	14	6	LB	ROUNDING						
610				610	SY	GEOTEXTILE UNDER STONE FILL	649.31	4	120	LB	TOTAL						
120				120	LB	SEED	651.15	6			TEMPORARY EROSION MATTING						
500				500	LB	FERTILIZER	651.18	EST.	1482	SY	DITCH CLEANING						
2				2	TON	AGRICULTURAL LIMESTONE	651.20	EST.	375	SY	GUARDRAIL END SECTIONS						
3				3	TON	HAY MULCH	651.25	EST.	23	SY	ROUNDING						
150				150	CY	TOPSOIL	651.35	EST.	1880	SY	TOTAL						
1880				1880	SY	TEMPORARY EROSION MATTING	653.20	23									
1905				1905	SF	TRAFFIC SIGNS, TYPE A	675.20	5.99									
3280				3280	LB	TUBULAR STEEL SIGN POST	675.33	8									
3080				3080	LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	14									
28				28	EACH	FOUNDATION FOR TUBULAR STEEL POST	675.43	-									
393				393	EACH	REMOVING SIGNS	675.50	-									
15				15	EACH	DELINEATOR WITH STEEL POST	676.10	-									
2				2	EACH	REMOVAL OF EXISTING DELINEATOR	676.12	-									
1				1	LU	PRICE ADJUSTMENT, FUEL (N. A. B. I.)	690.50	-									
2				2	EACH	SPECIAL PROVISION (REMOVE EXISTING OVERHEAD SIGN ASSEMBLY - MULTI-SUPPORT)	900.620	-									
1				1	EACH	SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ COVENTRY ST.)	900.620	-									
1				1	EACH	SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ UNION STREET)	900.620	-									
1				1	EACH	SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (U.S. ROUTE 5 @ COVENTRY ST.)	900.620	-									
1				1	LU	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N. A. B. I.)	900.650	-									
1020				1020	SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675	14									
200				200	TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680	EST.									
740				740	CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	6									

PROJECT NAME: NEWPORT
PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196qs03.i

PLOT DATE: 16-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 6 OF 91

ITEM DETAIL SUMMARY SHEET 3

LOCATION			GUARDRAIL				MISCELLANEOUS														REMARKS	
BEGIN MILE STA.	END MILE STA.	POS.	62L20	62L205	62L60	62L80	203.15	203.30	30L26	402.13	604.40	604.412	604.415	613.10	613.11	616.20	616.21	616.28	616.35	616.40		
			S.B. G.R. GALV. LF	S.B. G.R. GALV. 8' POST LF	ANCHOR FOR S.B. RAIL EACH	REMOVAL & DISPOSAL OF GUARDRAIL LF	COMMON 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	STONE FILL, TYPE I CY	STONE FILL, TYPE II CY	GRANITE SLOPE EDGING LF	VERTICAL GRANITE CURB LF	C-1-P CONC. CURB, TYPE B LF	TREATED TIMBER CURB LF	REMOVING & RESETTING CURB LF		
74+01		LT					0.5		0.3													REMOVE BRICKS AND SET DETECTABLE WARNING SURFACE IN BED OF PORTLAND CEMENT CONCRETE
74+01		RT					0.5		0.3													REMOVE BRICKS AND SET DETECTABLE WARNING SURFACE IN BED OF PORTLAND CEMENT CONCRETE
76+20	76+35	LT					0.5										15.0					REMOVE EXISTING CURB RADI AND REPLACE WITH NEW CURB ALONG MAIN ST. REMOVE EXISTING PAVEMENT BETWEEN SIDEWALK AND CURB THEN TOPSOIL, SEED AND MULCH.
76+91		LT					8.4		4.6								24.0					CONSTRUCT SIDEWALK RAMP, TYPE 5
76+91		RT					5.6		3.0								6.0					CONSTRUCT SIDEWALK RAMP, TYPE 3
77+09		RT					1.5		0.8													CONSTRUCT SIDEWALK RAMP, TYPE 3
77+74		LT					3.6		2.0													CONSTRUCT SIDEWALK RAMP, TYPE I
77+97		LT					4.7		2.6									16.8				CONSTRUCT SIDEWALK RAMP, TYPE I
79+63		LT					0.5		0.3													REMOVE BRICKS AND SET DETECTABLE WARNING SURFACE IN BED OF PORTLAND CEMENT CONCRETE
79+63		RT					0.6		0.3													REMOVE BRICKS AND SET DETECTABLE WARNING SURFACE IN BED OF PORTLAND CEMENT CONCRETE
79+67		RT					1.7		0.9								9.2					CONSTRUCT SIDEWALK RAMP, TYPE 3
80+26		RT					3.2		1.7											13.5		CONSTRUCT SIDEWALK RAMP, TYPE 6
82+50		RT					0.7		0.4													CONSTRUCT SIDEWALK RAMP, TYPE 5
82+55		LT					0.6		0.3													CONSTRUCT SIDEWALK RAMP, TYPE 5
82+60		RT					0.7		0.4													CONSTRUCT SIDEWALK RAMP, TYPE I
82+92		LT					3.1		1.7								2.7	11.4				CONSTRUCT SIDEWALK RAMP, TYPE I
83+01		RT					0.7		0.4													CONSTRUCT SIDEWALK RAMP, TYPE I
83+28		LT					5.1		2.8											8.0		CONSTRUCT SIDEWALK RAMP, TYPE I
86+36		LT					1.5		0.8													CONSTRUCT SIDEWALK RAMP, TYPE 6
90+26.5	95+64	RT	537.5		1	537.5		25														CONNECT GUARDRAIL TO EXISTING BRIDGE RAIL @ STA. 90+26.5 INSTALL ANCHOR @ STA. 95+64.
96+88		LT					6.3		1.3								24.0					CONSTRUCT SIDEWALK RAMP, TYPE I. CONSTRUCT WALK TO BITUMINOUS PATH
96+88		RT					0.6		0.3													CONSTRUCT SIDEWALK RAMP, TYPE 6
105+00		RT					2.8		1.5													CONSTRUCT SIDEWALK RAMP APPROACH, TYPE 6
108+35		LT					3.4		1.9													CONSTRUCT SIDEWALK RAMP, TYPE 6
108+73		LT					1.6		0.9													CONSTRUCT SIDEWALK RAMP, TYPE 6
114+28		RT					0.5		0.3													CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
114+33		LT					2.0		1.1									11.8				CONSTRUCT SIDEWALK RAMP, TYPE 6
114+59		LT					2.2		1.2									12.8				CONSTRUCT SIDEWALK RAMP, TYPE I
115+93		LT					2.6		1.4									11.0				CONSTRUCT SIDEWALK RAMP, TYPE I
116+18		LT					1.8		1.0													CONSTRUCT SIDEWALK RAMP, TYPE I
118+81		LT					2.3		1.3									22.5				CONSTRUCT SIDEWALK RAMP, TYPE I
119+11		LT					4.9		2.7									10.0				CONSTRUCT SIDEWALK RAMP, TYPE 6
119+17		RT					0.5		0.3													CONSTRUCT SIDEWALK LANDING AND DETECTABLE WARNING SURFACE
122+48		LT					3.6		2.0									8.7				CONSTRUCT SIDEWALK RAMP, TYPE I
SHEET SUBTOTALS:			537.5		1	537.5	78.8	25	40.8								80.9	105.0		21.5		
																					ITEM DETAIL SUMMARY SHEET #3	PROJECT NAME: NEWPORT CITY
																						PROJECT NUMBER: STP 2704(1)
																						FILE NAME: p07d196.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p07d196idss03.i

ITEM DETAIL SUMMARY SHEET 5

LOCATION			GUARDRAIL				MISCELLANEOUS														REMARKS	
BEGIN MILE STA.	END MILE STA.	POS.	621.20	621.205	621.60	621.80	203.15	203.30	301.26	402.13	604.40	604.412	604.415	613.10	613.11	616.20	616.21	616.28	616.35	616.40		
			S.B. GALV.	S.B. GALV. 8' POST	ANCHOR FOR S.B. RAIL	REMOVAL & DISPOSAL OF GUARDRAIL	COMMON EXCAVATION	EARTH BORROW	SUBBASE OF CRUSHED GRAV. FINE GRADED	AGGREGATE SHOULDERS, RAP	CHAN ELEV OF DI, CB OR MH	REHAB DI, CB, OR MH, CLASS I	REHAB DI, CB, OR MH, CLASS II	STONE FILL, TYPE I	STONE FILL, TYPE II	GRANITE SLOPE EDGING	VERTICAL GRANITE CURB	C-I-P CONC. CURB, TYPE B	TREATED TIMBER CURB	REMOVING & RESETTING CURB		
			LF	LF	EACH	LF	CY	CY	CY	TON	EACH	EACH	EACH	CY	CY	LF	LF	LF	LF	LF		
122+77		LT					2.4		1.3									14.3			CONSTRUCT SIDEWALK RAMP, TYPE I	
124+79		RT					7.8		4.2									20.0			CONSTRUCT SIDEWALK RAMP, TYPE 6. RECONSTRUCT WALKWAY AS SHOWN ON PLANS.	
124+84		LT					3.5		1.9									18.2			CONSTRUCT SIDEWALK RAMP, TYPE 6	
125+21		LT					2.7		1.5									11.0			CONSTRUCT SIDEWALK RAMP, TYPE I	
126+02		RT					2.4		1.3									9.4			CONSTRUCT SIDEWALK RAMP, TYPE I	
126+30		RT					1.1		0.6									6.4			CONSTRUCT SIDEWALK RAMP, TYPE I	
127+42		LT					1.6		0.9									4.8			CONSTRUCT SIDEWALK RAMP, TYPE I	
127+64		LT					2.2		1.2									8.3			CONSTRUCT SIDEWALK RAMP, TYPE I	
129+32		RT					1.1		0.6												CONSTRUCT SIDEWALK RAMP, TYPE I	
129+55		LT					2.6		1.4									11.4			CONSTRUCT SIDEWALK RAMP, TYPE 6	
129+56		RT					3.1		1.7									14.0			CONSTRUCT SIDEWALK RAMP, TYPE 6	
133+90		RT					6.4		3.5								40.0				CONSTRUCT SIDEWALK RAMP, TYPE 6	
133+95		LT					3.5		1.5												CONSTRUCT SIDEWALK RAMP, TYPE 6	
133+95		CL					12.0		9.5							20.0					REMOVE ISLAND FOR CROSSWALK OPENING. CONSTRUCT SIDEWALK AND DETECTABLE WARNING SURFACES. INSTALL GRANITE SLOPE EDGING. SEE DETAIL ON SHEET 16.	
134+21		RT					28.8		25.3												REMOVE TRIANGULAR ISLAND, SEE DETAIL ON SHEET 16.	
134+34		LT					2.8		1.5								18.0				REMOVE EXISTING SIDEWALK RAMP AND REPLACE WITH LEVEL SIDEWALK	
135+02		RT					7.1		3.9								42.0				CONSTRUCT SIDEWALK RAMP, TYPE 6	
136+34	142+56	RT					110.2		57.6								619.0				CONSTRUCT SIDEWALK (5" DEPTH) WITH 8" DEPTH AT ALL DRIVES. REMOVE EXISTING CURB AND INSTALL NEW CURB IN EXISTING LOCATIONS.	
142+80	145+80	RT	300		2	275		50													INSTALL ANCHOR @ 142+80. INSTALL ANCHOR @ 145+80.	
152+07	158+82	RT	675		2	675		50													INSTALL ANCHOR @ 152+07. INSTALL ANCHOR @ 158+82.	
163+92	164+02	RT												1.9							REPAIR SLOPE EROSION, SEE DETAIL ON SHEET 15.	
173+10	174+10	RT	100		2	96		50													INSTALL ANCHOR @ 173+10. INSTALL ANCHOR @ 174+10.	
192+65	194+77.5	RT		212.5	2	212.5		50													INSTALL ANCHOR @ 192+65. REMOVE AND RESET MAILBOX @ STA. 193+01, RT. INSTALL ANCHOR @ 194+77.5.	
SHEET 7 SUBTOTALS:			400.0	387.5	6	784.5	443.8	150	230.5	413	5	67	17	133	50		2469.0		170			
SHEET 9 SUBTOTALS:			537.5		1	537.5	78.8	25	40.8								80.9	105.0		21.5		
SHEET 11 SUBTOTALS:			1075.0	212.5	8	1258.5	201.3	200	119.4						1.9		20.0	719.0	117.8			
SUBTOTALS			2012.5	600.0	15	2580.5	723.9	375	390.7	413	5	67	17	134.9	50	20.0	3268.9	222.8	170	21.5		
ROUNDING			37.5	-	-	7	11.1	-	9.3	7	-	-	-	5.1	-	-	31.1	2.2	5	0.5		
TOTALS			2050	600	15	2587.5	735	375	400	420	5	67	17	140	50	20	3300	225	175	22		

**ITEM
DETAIL
SUMMARY
SHEET #5**

PROJECT NAME: NEWPORT CITY	PLOT DATE: 03-APR-2012
PROJECT NUMBER: STP 2704(1)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	DESIGNED BY: STANTEC
IPARM FILE: p07d196ids05.i	CHECKED BY: STANTEC
	SHEET 11 OF 91

ITEM DETAIL SUMMARY SHEET 6

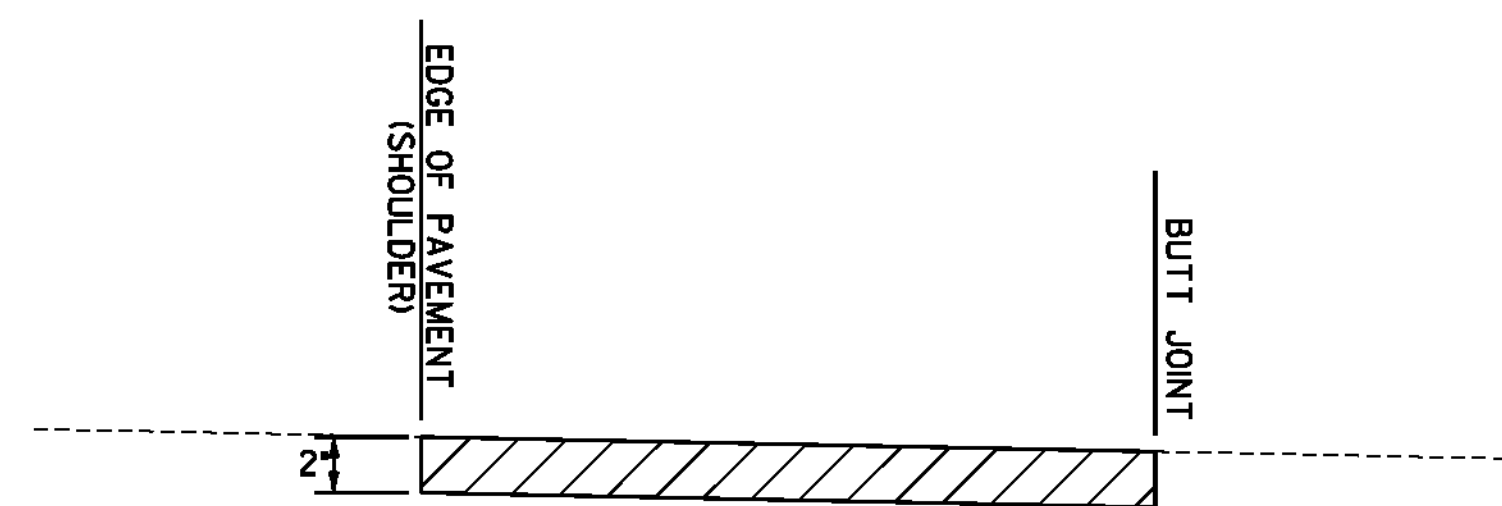
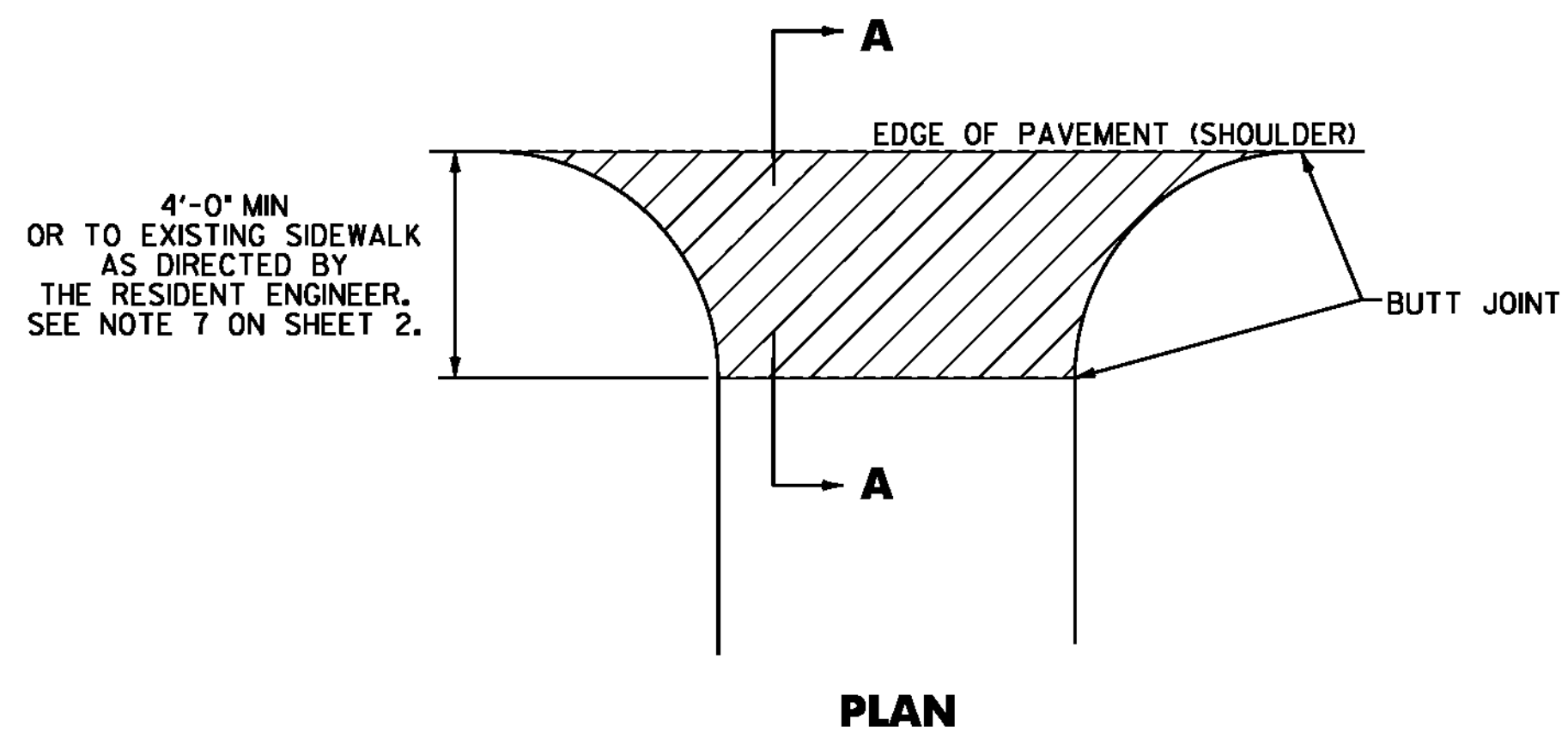
LOCATION			MISCELLANEOUS													REMARKS
BEGIN MILE STA.	END MILE STA.	POS.	616.41	616.47	617.10	618.10	618.11	618.30	619.17	649.31	651.15	651.40	653.20	676.10	676.12	
			REMOVAL OF EXISTING CURB LF	BIT, CONC. GUTTERS & ISLANDS TON	RELOC. MAILBOX, SINGLE SUPP. EACH	PORTLAND CEMENT CONC. S.W., 5 INCH SY	PORTLAND CEMENT CONC. S.W., 8 INCH SY	DETECTABLE WARNING SURFACE SF	YIELDING MARKER POSTS EACH	GEOTEXTILE UNDER STONE FILL SY	SEED LB	GRUBBING MATERIAL SY	TEMPORARY EROSION MATTING SY	DELINEATOR WITH STEEL POST EACH	REMOVAL OF EXIST. DELINEATOR EACH	
122+77		LT	18.3			8.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
124+79		RT	20.0			25.0		14.0								CONSTRUCT SIDEWALK RAMP, TYPE 6. RECONSTRUCT WALKWAY AS SHOWN ON PLANS.
124+84		LT	18.2			12.0		20.0								CONSTRUCT SIDEWALK RAMP, TYPE 6
125+21		LT	15.0			9.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
126+02		RT	13.4			8.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
126+30		RT	4.8			4.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
127+42		LT	8.8			5.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
127+64		LT	12.3			7.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
129+32		RT	6.0			4.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 1
129+55		LT	11.4			8.0		8.0								CONSTRUCT SIDEWALK RAMP, TYPE 6
129+56		RT	17.0			10.0		12.0								CONSTRUCT SIDEWALK RAMP, TYPE 6
133+90		RT	40.0			21.0		20.0								CONSTRUCT SIDEWALK RAMP, TYPE 6
133+95		LT	5.0				9.0	8.0								CONSTRUCT SIDEWALK RAMP, TYPE 6
133+95		CL	36.0	1.8		7.0		28.0								REMOVE ISLAND FOR CROSSWALK OPENING. CONSTRUCT SIDEWALK AND DETECTABLE WARNING SURFACES. INSTALL GRANITE SLOPE EDGING. SEE DETAIL ON SHEET 16.
134+21		RT	96.0													REMOVE TRIANGULAR ISLAND, SEE DETAIL ON SHEET 16.
134+34		LT	18.0			9.0										REMOVE EXISTING SIDEWALK RAMP AND REPLACE WITH LEVEL SIDEWALK
135+02		RT	42.0			23.0		20.0								CONSTRUCT SIDEWALK RAMP, TYPE 6
136+34	142+56	RT	619.0			291.0	54.0									CONSTRUCT SIDEWALK (5" DEPTH) WITH 8" DEPTH AT ALL DRIVES. REMOVE EXISTING CURB AND INSTALL NEW CURB IN EXISTING LOCATIONS.
142+80	145+80	RT											50	2		INSTALL ANCHOR @ 142+80. INSTALL ANCHOR @ 145+80.
152+07	158+82	RT											50	2		INSTALL ANCHOR @ 152+07. INSTALL ANCHOR @ 158+82.
163+92	164+02	RT							9		8					REPAIR SLOPE EROSION, SEE DETAIL ON SHEET 15.
173+10	174+10	RT											50	2		INSTALL ANCHOR @ 173+10. INSTALL ANCHOR @ 174+10.
192+65	194+77.5	RT			1								50	2		INSTALL ANCHOR @ 192+65. REMOVE AND RESET MAILBOX @ STA. 193+01, RT. INSTALL ANCHOR @ 194+77.5.
SHEET 8 SUBTOTALS:			2404.0	77.2		1124.0	261.0	262.0	18	597	114		1632	6	2	
SHEET 10 SUBTOTALS:			227.6			245.0		332.0					25	1		
SHEET 12 SUBTOTALS:			1001.2	1.8	1	451.0	63.0	186.0		9		8	200	8		
SUBTOTALS			3632.8	79.0	1	1820.0	324.0	780.0	18	606	114	8	1857	15	2	
ROUNDING			37.2	1.0	-	20.0	6.0	10.0	-	4	6	2	23	-	-	
TOTALS			3670	80	1	1840	330	790	18	610	120	10	1880	15	2	

**ITEM
DETAIL
SUMMARY
SHEET #6**

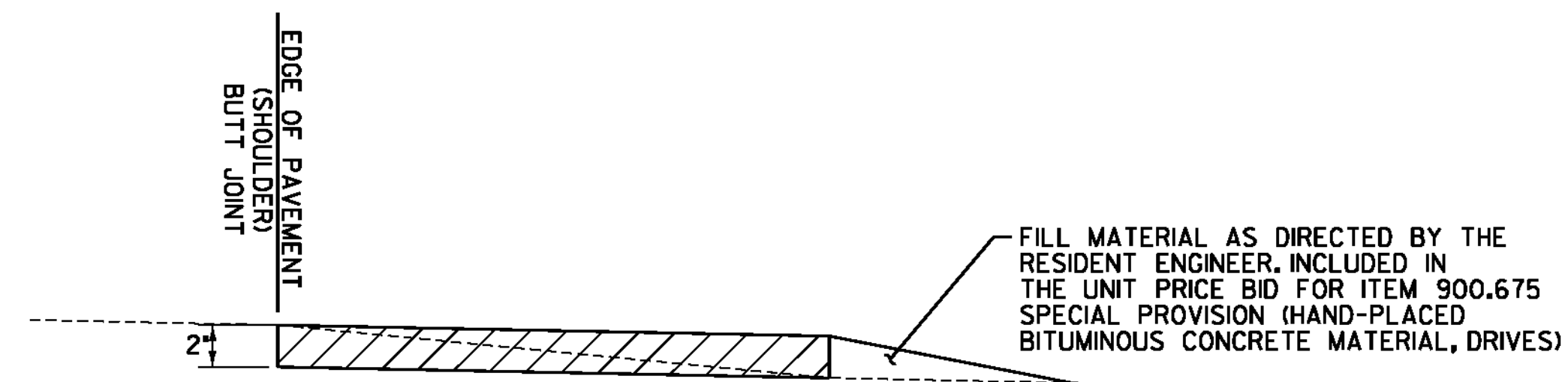
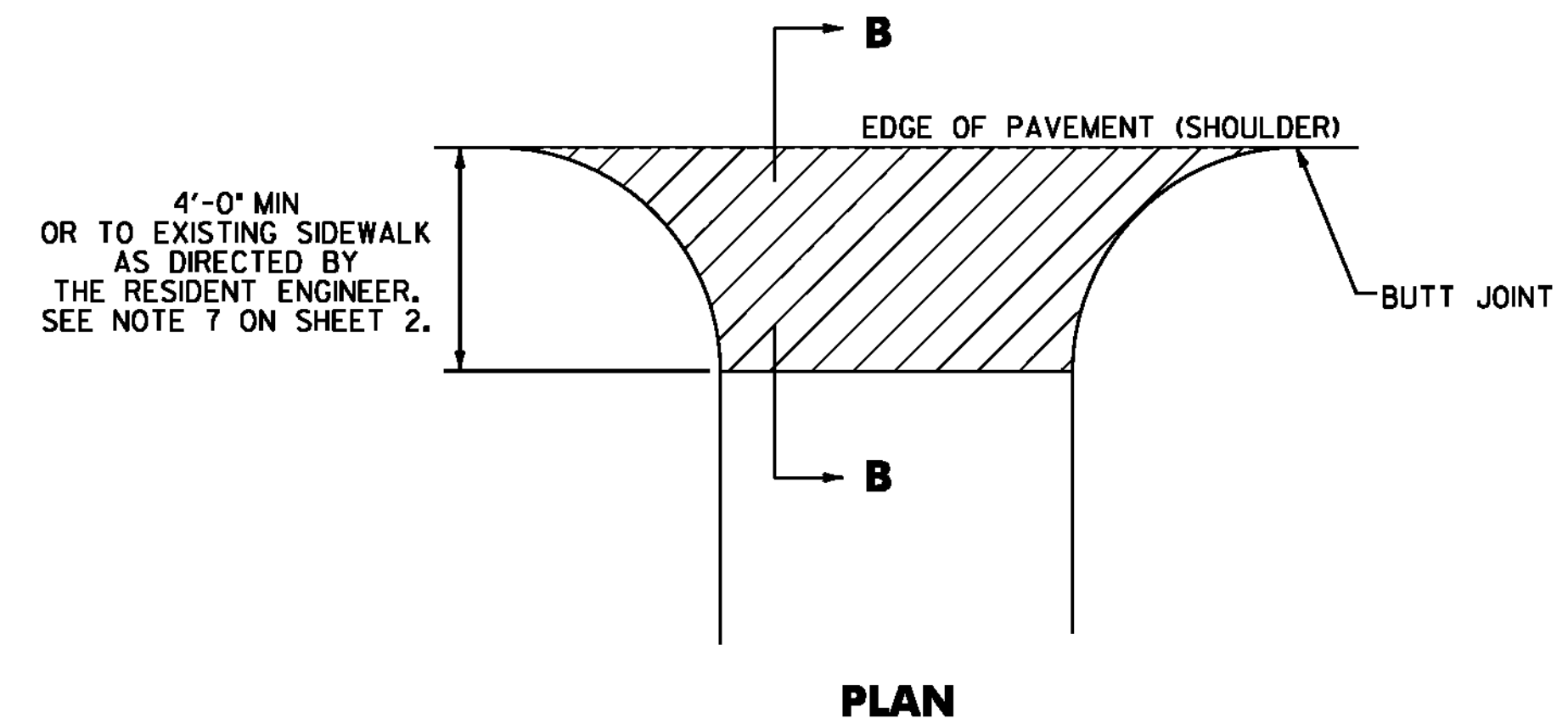
PROJECT NAME: NEWPORT CITY	PLOT DATE: 03-APR-2012
PROJECT NUMBER: STP 2704(1)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	DESIGNED BY: STANTEC
IPARM FILE: p07d196ids06.i	CHECKED BY: STANTEC
	SHEET 12 OF 91

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5		
3+10	RT	18
5+24	LT	4
13+94	LT	6
16+75	LT	5
22+62	RT	5
24+14	RT	8
24+85	LT	8
25+17	LT	13
28+19	LT	10
28+85	LT	8
30+15	RT	13
31+57	LT	9
32+96	LT	8
33+88	LT	8
34+23	LT	11
36+89	LT	15
37+27	LT	8
39+97	RT	15
40+94	RT	9
41+71	RT	8
42+27	RT	7
43+59	RT	10
44+02	RT	20
46+15	LT	8
54+39	LT	5
55+51	LT	18
56+05	LT	10
56+14	RT	8
57+35	LT	7
57+48	RT	9
57+96	LT	6
58+09	RT	10
58+27	RT	9
58+63	LT	8
59+08	RT	8
59+32	LT	10
60+01	LT	7
60+01	RT	7
60+68	RT	6
60+69	LT	11
61+56	LT	9
62+09	LT	11
62+15	RT	50
62+58	LT	6
63+29	RT	12
64+16	LT	8
64+60	LT	7
65+42	LT	10
65+91	LT	7
66+79	LT	7
69+29	LT	14
69+60	RT	24
69+63	LT	13
70+58	RT	13
71+22	RT	12
72+28	RT	24
73+16	LT	18
76+28	LT	8
80+89	RT	38
82+79	RT	78
83+10	LT	22
113+09	RT	20
115+36	RT	15
135+69	LT	12
SUBTOTAL		811

STATION	POSITION	QUANTITY (SY)
U.S. ROUTE 5 (CONT)		
138+34	LT	5
142+63	RT	8
142+77	LT	10
143+36	LT	18
143+77	LT	9
151+04	RT	13
176+55	RT	16
183+73	RT	20
195+52	LT	13
195+95	LT	20
196+67	LT	18
199+68	LT	11
200+04	RT	13
200+45	RT	10
204+13	RT	11
SUBTOTAL		195
COLUMN 1		811
COLUMN 2		195
SUBTOTAL		1006
ROUNDING		14
TOTAL		1020



SECTION A-A
HANDWORK DETAILS FOR PAVED DRIVES

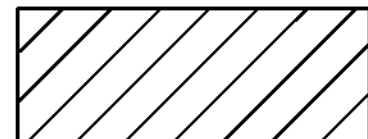


SECTION B-B
HANDWORK DETAILS FOR GRAVEL DRIVES

NOTES:

1. PAVING LIFT SHALL BE A MINIMUM OF 1 1/2" AND A MAXIMUM OF 2".
2. ALL DRIVES SHALL RECEIVE A PAVED APRON TO THE SIDEWALK AS DIRECTED BY THE RESIDENT ENGINEER.
3. THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR APPLYING EMULSION, FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
4. EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND

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

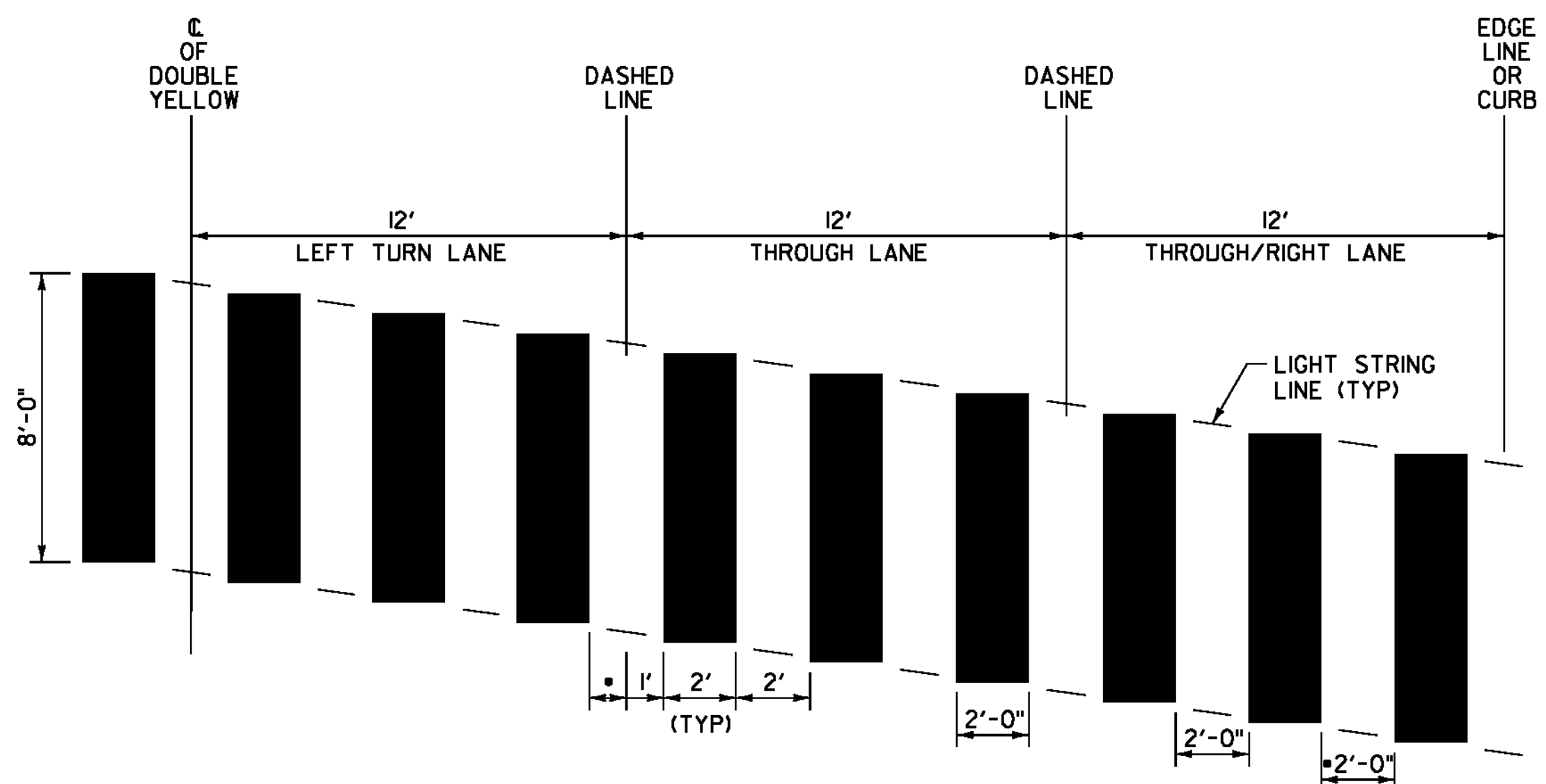
NOT TO SCALE

**DRIVE
DETAIL
SHEET**

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(1)

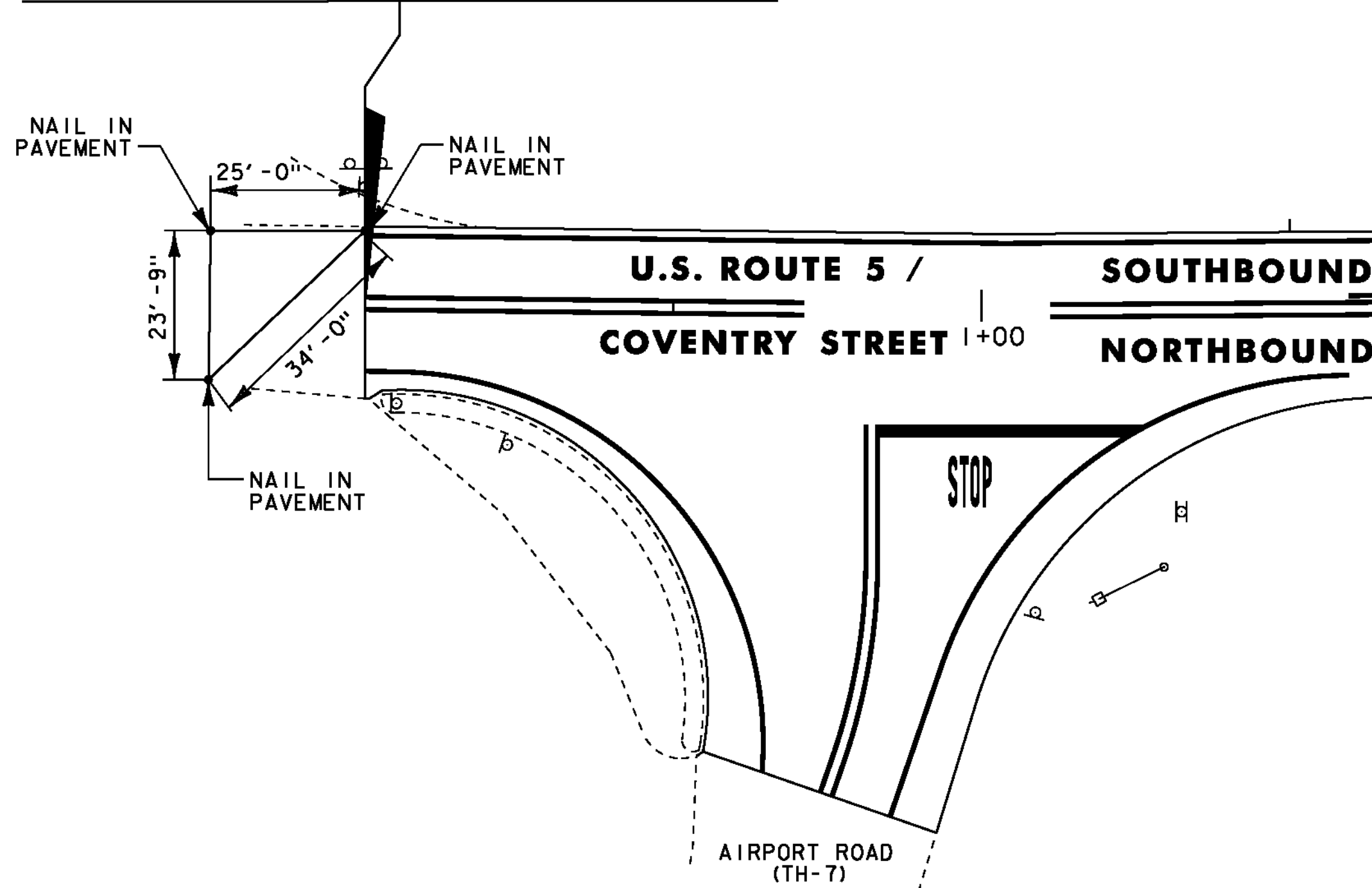
FILE NAME: p07d196.dgn PLOT DATE: 3/6/2012
PROJECT LEADER: JLL DRAWN BY: STANTEC
DESIGNED BY: STANTEC CHECKED BY: STANTEC
IPARM FILE: p07d196ds.i SHEET 13 OF 91





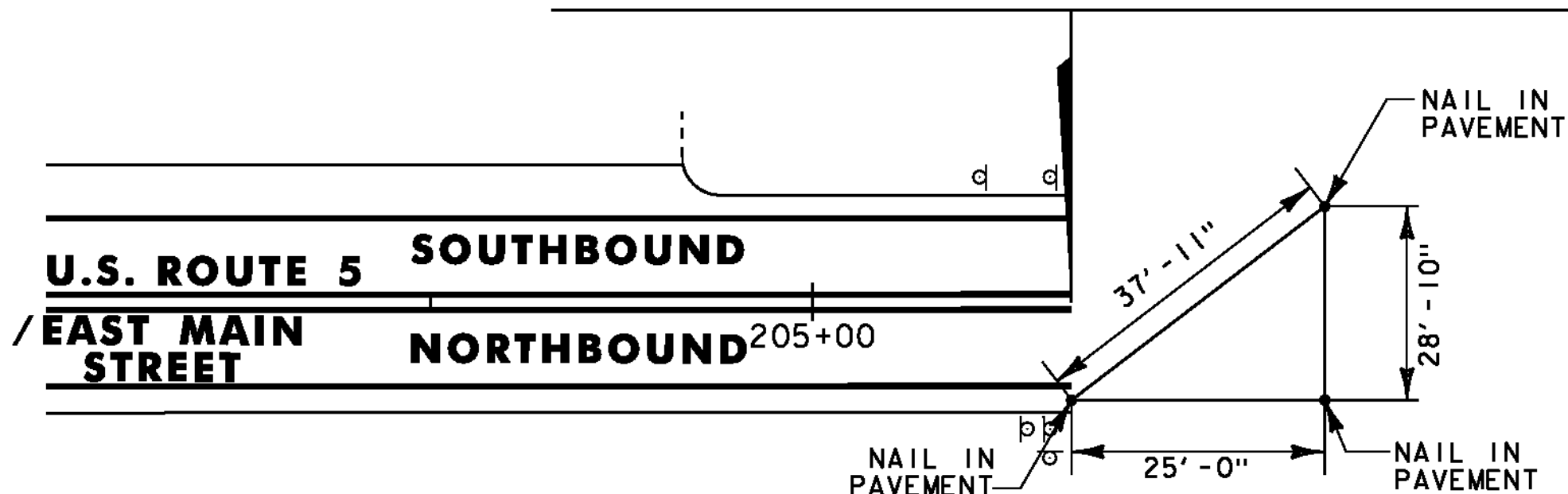
SEE LAYOUT SHEETS FOR LOCATIONS.
ALL BLOCK PATTERN CROSS WALKS SHALL BE
INSTALLED PARALLEL WITH WHEEL PATHS.
SKewed CROSSWALK PATTERN DETAIL
• MAY VARY WITH 11' OR 12' LANE

BEGIN STP 2704(1) U.S. ROUTE 5
NEWPORT CITY STA. 0+00.00 = MM 0.000

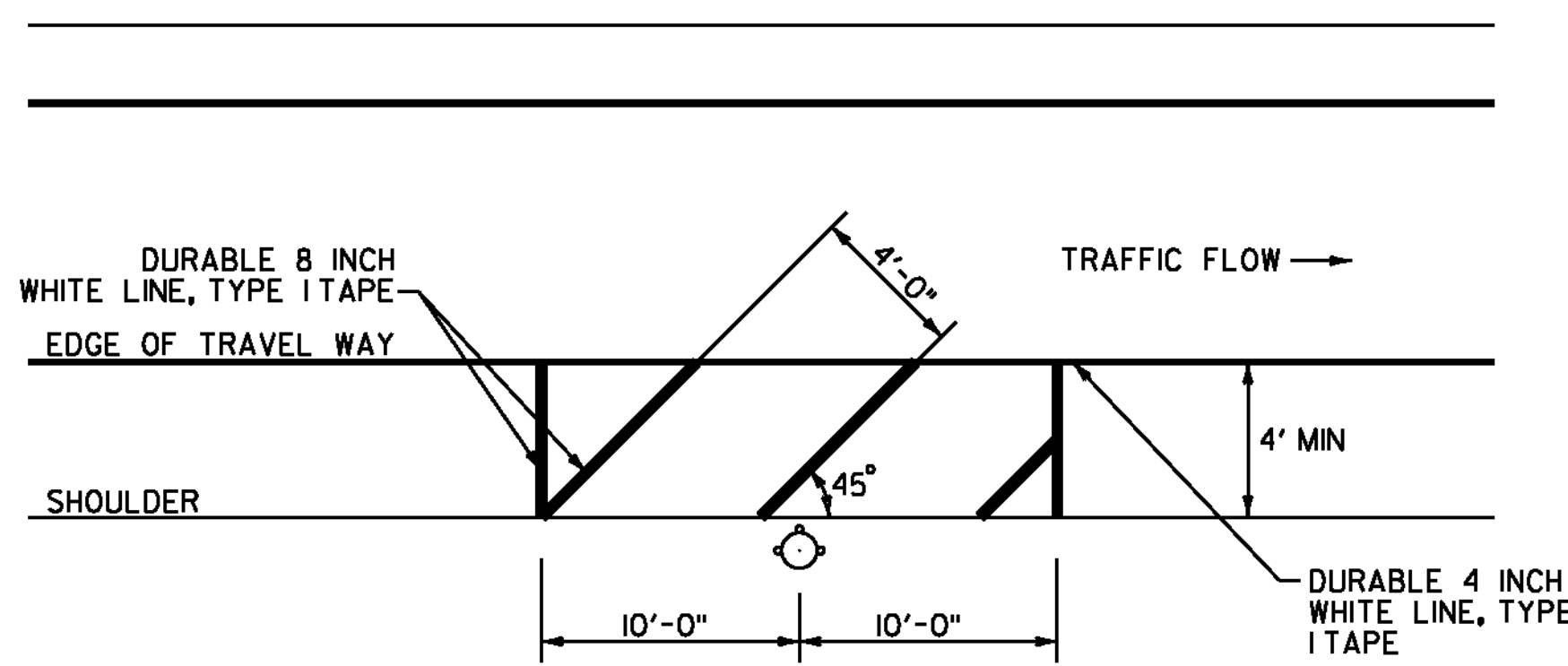


U.S. ROUTE 5 BEGIN PROJECT LOCATION TIES

END STP 2704(1) U.S. ROUTE 5
NEWPORT CITY STA. 205+33.92 = MM 3.889



U.S. ROUTE 5 END PROJECT LOCATION TIES

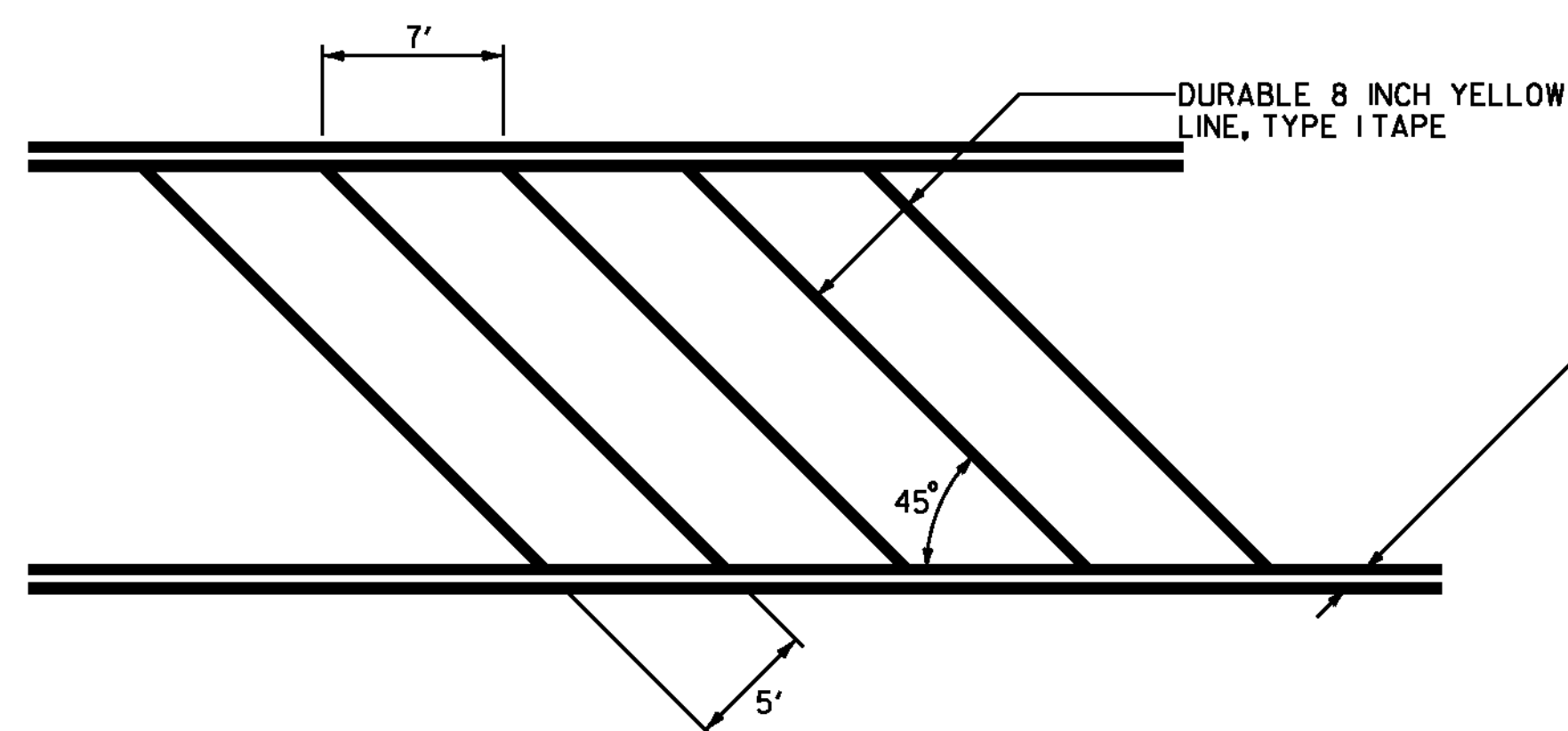


FIRE HYDRANT PAVEMENT MARKING DETAIL

- U.S. ROUTE 5 STA. 68+71, LT
- U.S. ROUTE 5 STA. 74+49, LT
- U.S. ROUTE 5 STA. 85+13, LT
- U.S. ROUTE 5 STA. 113+54, LT
- U.S. ROUTE 5 STA. 119+18, LT
- U.S. ROUTE 5 STA. 127+68, LT
- U.S. ROUTE 5 STA. 176+32, LT
- U.S. ROUTE 5 STA. 180+58, LT
- U.S. ROUTE 5 STA. 183+78, LT
- U.S. ROUTE 5 STA. 187+38, LT

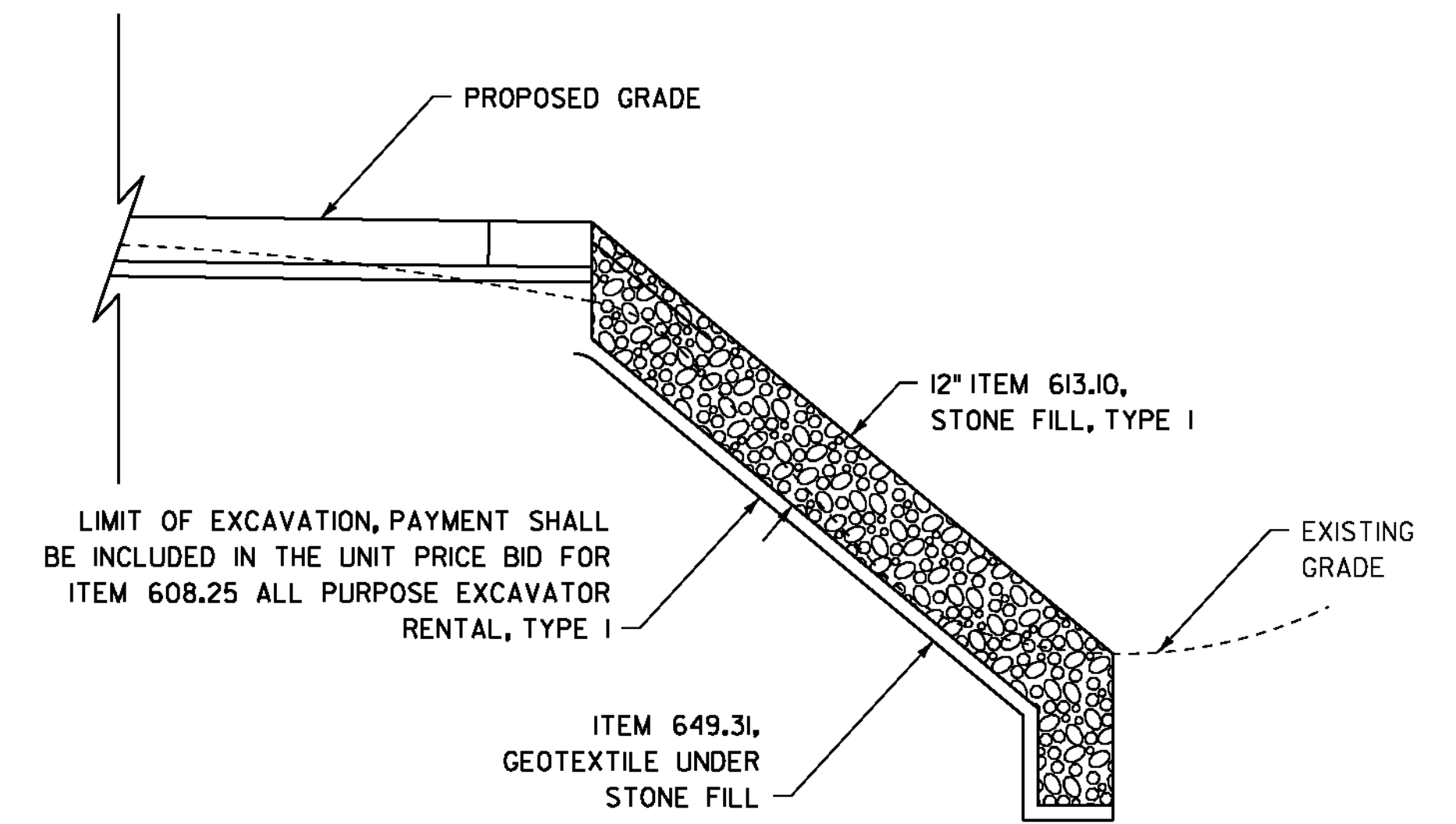
NOTE:

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



PAINTED ISLAND DETAIL

- SEE LAYOUT SHEETS FOR LOCATIONS
- U.S. ROUTE 5 STA. 76+20-77+07, LT & RT
- U.S. ROUTE 5 STA. 84+29-85+53, LT
- U.S. ROUTE 5 STA. 85+92-86+00, RT
- U.S. ROUTE 5 STA. 93+23-93+89, LT & RT
- U.S. ROUTE 5 STA. 96+98-98+63, LT & RT
- U.S. ROUTE 5 STA. 105+27-106+67, LT & RT
- U.S. ROUTE 5 STA. 132+75-133+58, LT & RT
- U.S. ROUTE 5 STA. 136+08-136+60, RT

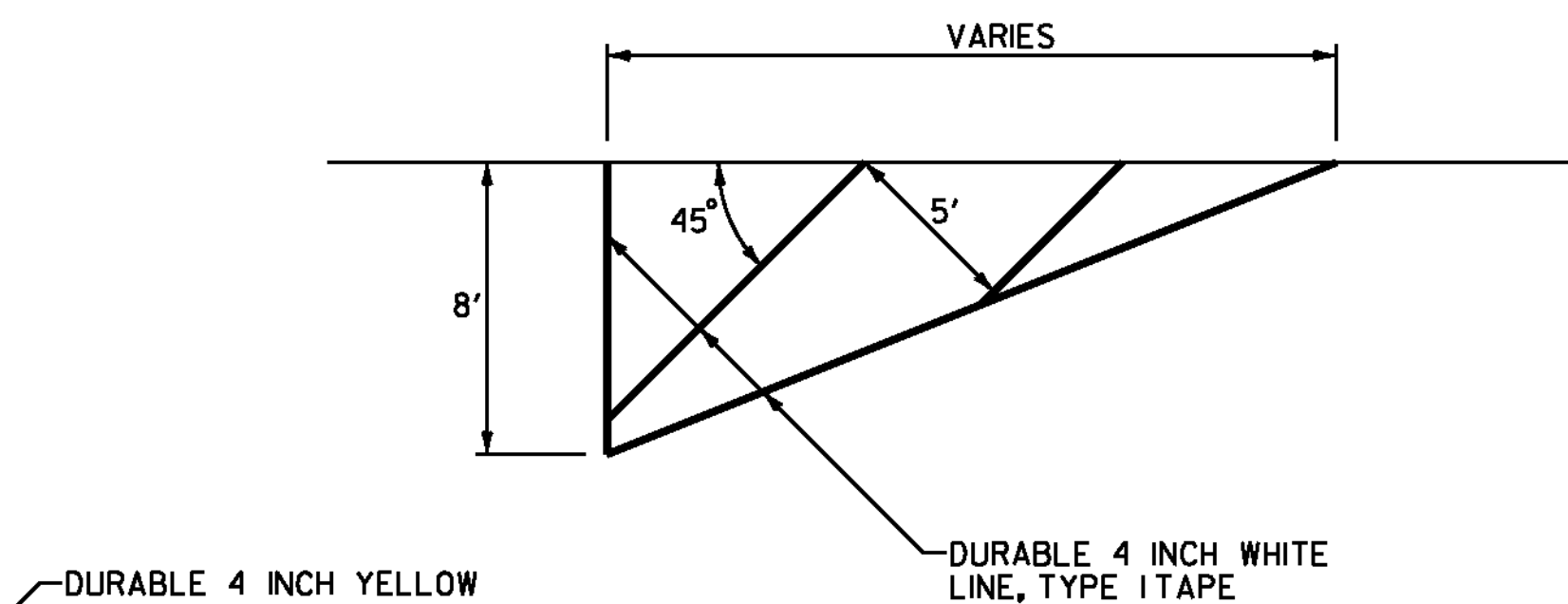


SLOPE EROSION PREVENTION DETAIL

U.S. ROUTE 5 STA. 163+92 TO 164+02, RT (10 FT)

NOTE:

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



NO PARKING PAVEMENT MARKING DETAIL

- U.S. ROUTE 5 STA. 71+57, RT
- U.S. ROUTE 5 STA. 71+65, LT
- U.S. ROUTE 5 STA. 73+28, RT
- U.S. ROUTE 5 STA. 74+13, RT
- U.S. ROUTE 5 STA. 74+15, LT
- U.S. ROUTE 5 STA. 76+78, LT
- U.S. ROUTE 5 STA. 76+78, RT
- U.S. ROUTE 5 STA. 77+06, LT
- U.S. ROUTE 5 STA. 79+40, RT
- U.S. ROUTE 5 STA. 79+52, LT
- U.S. ROUTE 5 STA. 80+96, LT
- U.S. ROUTE 5 STA. 82+35, RT
- U.S. ROUTE 5 STA. 83+77, RT
- U.S. ROUTE 5 STA. 86+34, RT

NOT TO SCALE

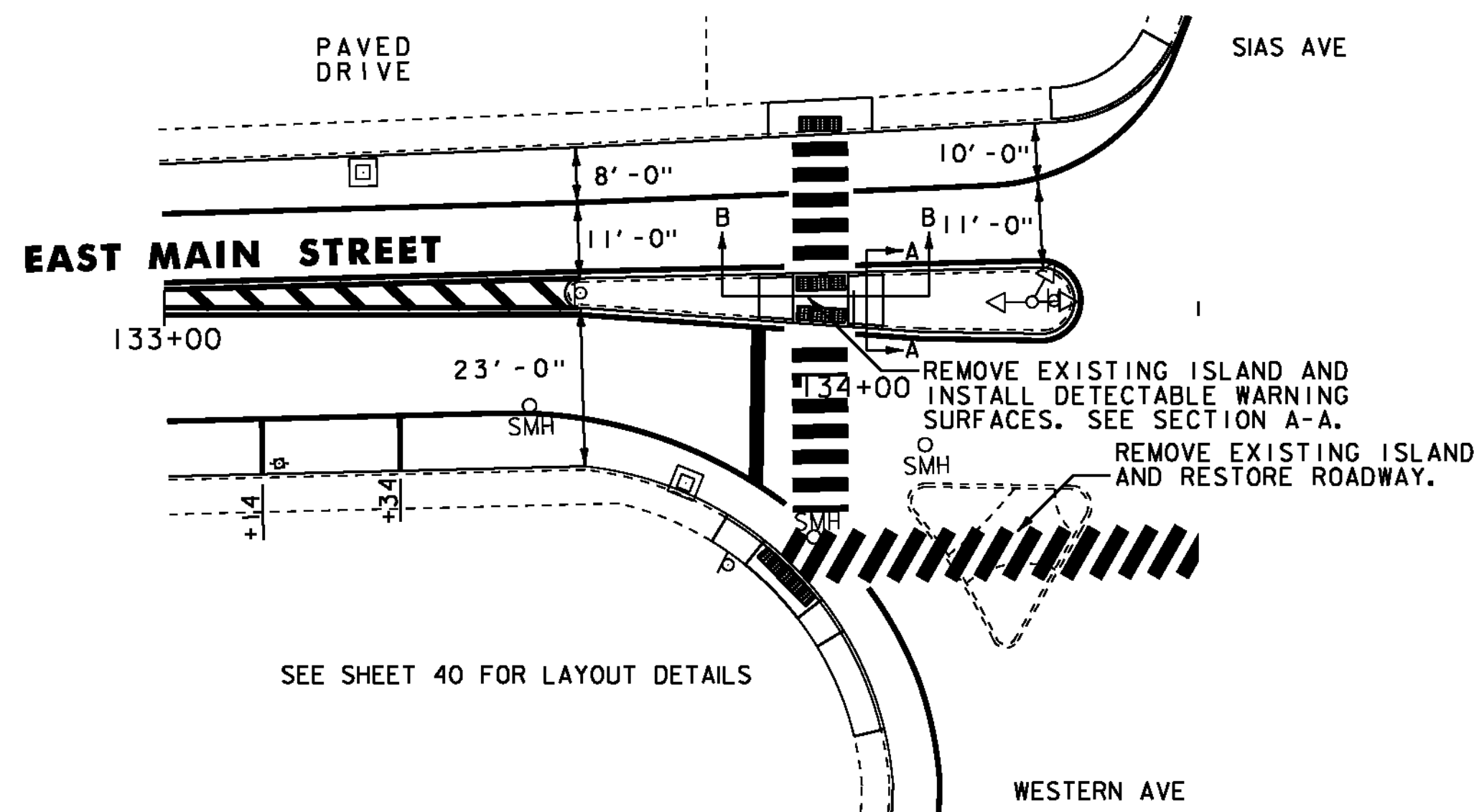
**MISCELLANEOUS
DETAIL
SHEET #1**

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(1)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196md01.i

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 15 OF 91

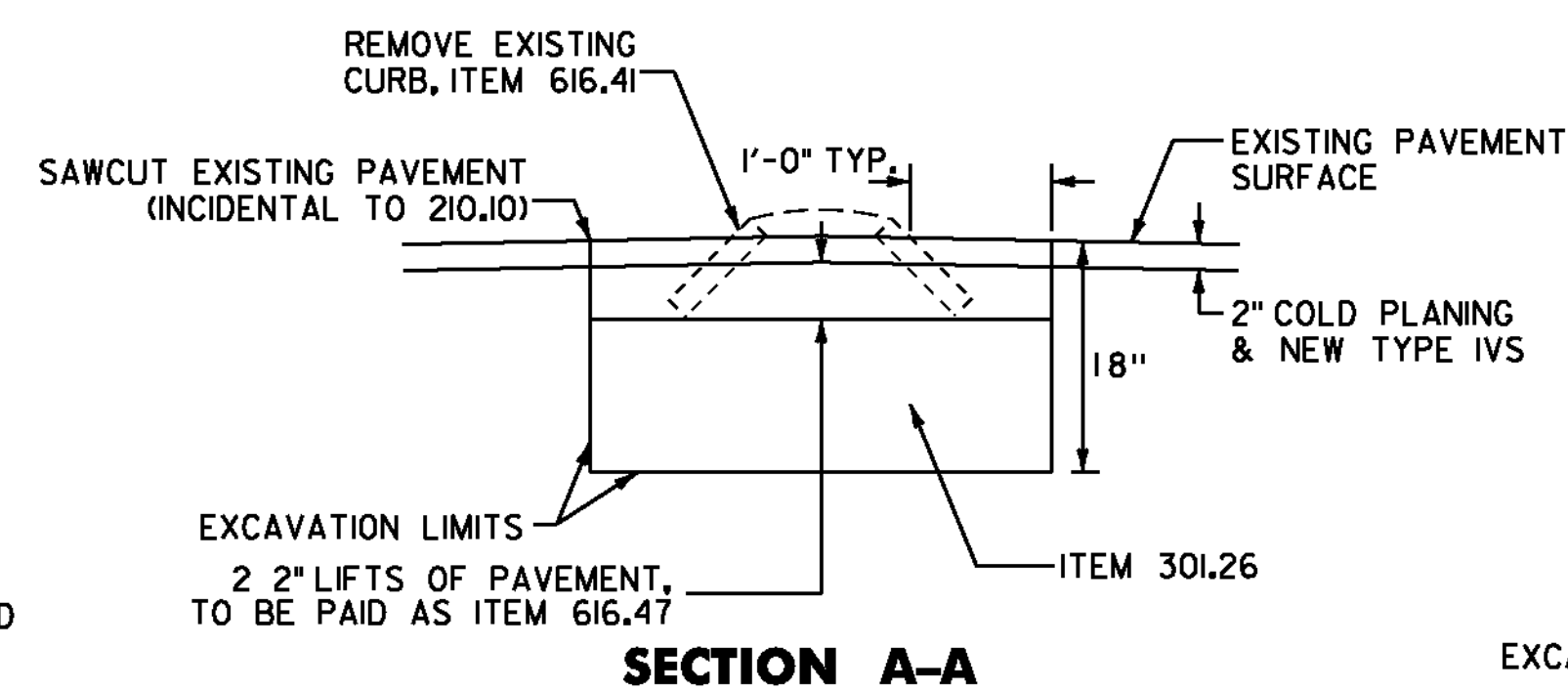




ISLAND REMOVAL DETAIL

STA. 133+95, C
STA. 134+21, RT

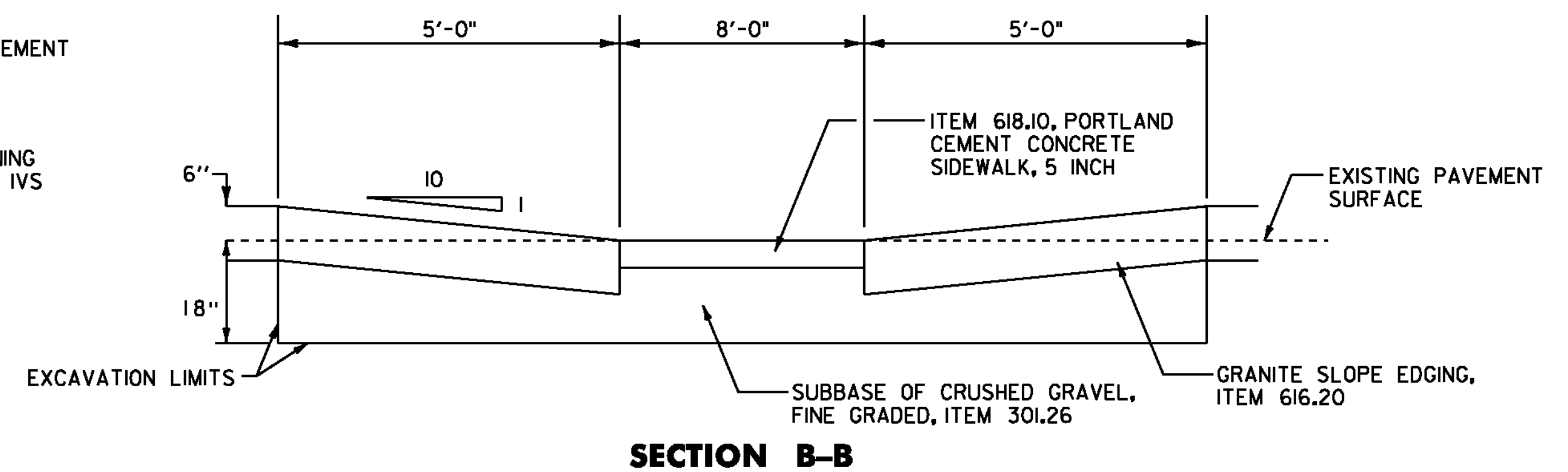
SEE SHEET 40 FOR LAYOUT DETAILS



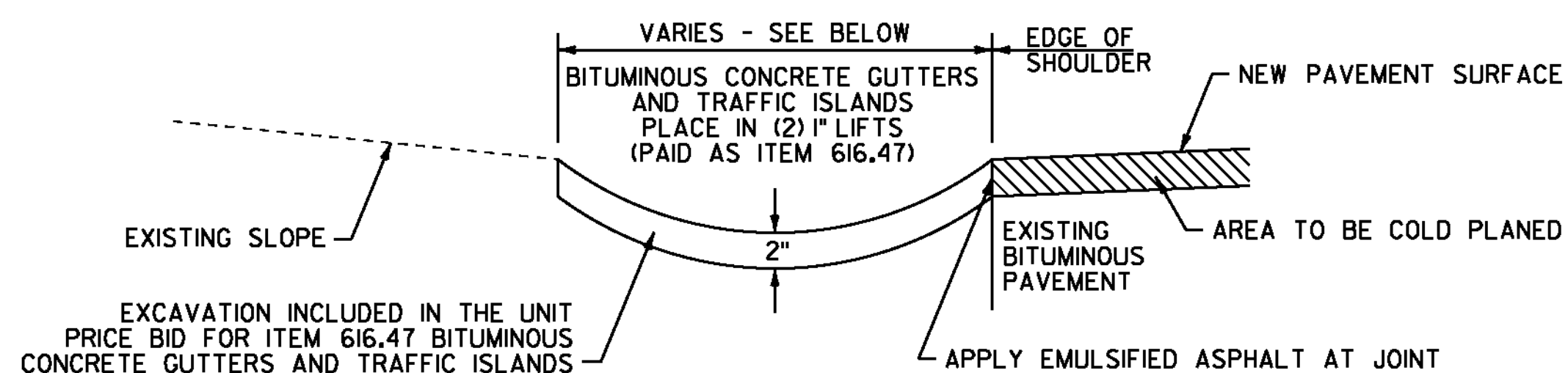
SECTION A-A

ISLAND REMOVAL NOTES

1. REMOVE EXISTING ISLAND AND CURB AS SHOWN, PAID AS ITEM 616.41.
2. RESTORE ROADWAY WHERE THE ISLAND WAS REMOVED, PAID AS ITEMS 301.26 AND 616.47.
3. SEE STANDARD C-10 FOR CURB SLOPING DETAILS

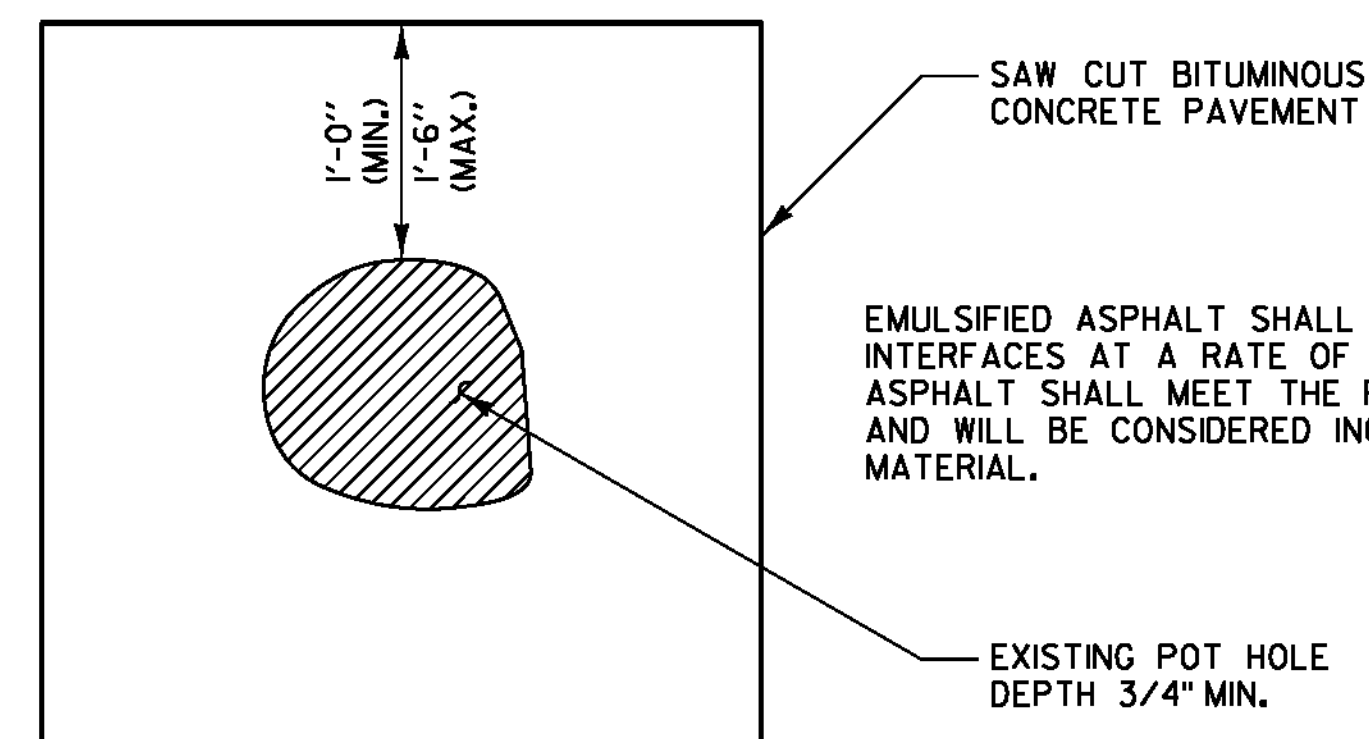


SECTION B-B



BITUMINOUS CONCRETE GUTTER DETAIL

- STA. 16+82 TO 19+64, LT (3 FT WIDE)
- STA. 20+11 TO 21+98, LT (3 FT WIDE)
- STA. 22+33 TO 24+78, LT (3 FT WIDE)
- STA. 24+91 TO 25+02, LT (3 FT WIDE)
- STA. 25+25 TO 28+09, LT (3 FT WIDE)
- STA. 28+28 TO 28+77, LT (3 FT WIDE)
- STA. 28+92 TO 31+48, LT (3 FT WIDE)
- STA. 31+65 TO 32+88, LT (3 FT WIDE)
- STA. 33+03 TO 33+80, LT (3 FT WIDE)
- STA. 33+94 TO 34+13, LT (3 FT WIDE)
- STA. 34+33 TO 36+73, LT (3 FT WIDE)
- STA. 37+01 TO 37+20, LT (3 FT WIDE)
- STA. 37+35 TO 38+03, LT (3 FT WIDE)
- STA. 38+83 TO 40+07, LT (3 FT WIDE)



TYPICAL - POT HOLE REPAIR
NOT TO SCALE

NOT TO SCALE

**MISCELLANEOUS
DETAIL
SHEET #2**

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(1)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196md02.i

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 16 OF 91



DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 COVENTRY STATE HIGHWAY
 STA. 0+00 TO 2+50, SOLID LT & RT
 STA. 1+00, SOLID RT (EDGE LINES, AIRPORT ROAD)

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 0+00 TO 2+50, SOLID LT & RT
 STA. 1+00, DOUBLE SOLID RT (AIRPORT ROAD)

DURABLE 24 INCH STOP BAR
 STA. 1+00, RT (AIRPORT ROAD)
DURABLE LETTER OR SYMBOL
 STA. 1+00, RT - "STOP" (AIRPORT ROAD)

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 COVENTRY STATE HIGHWAY
 STA. 0+00 TO 2+50, SOLID LT & RT
 STA. 1+00, SOLID RT (EDGE LINES, AIRPORT ROAD)

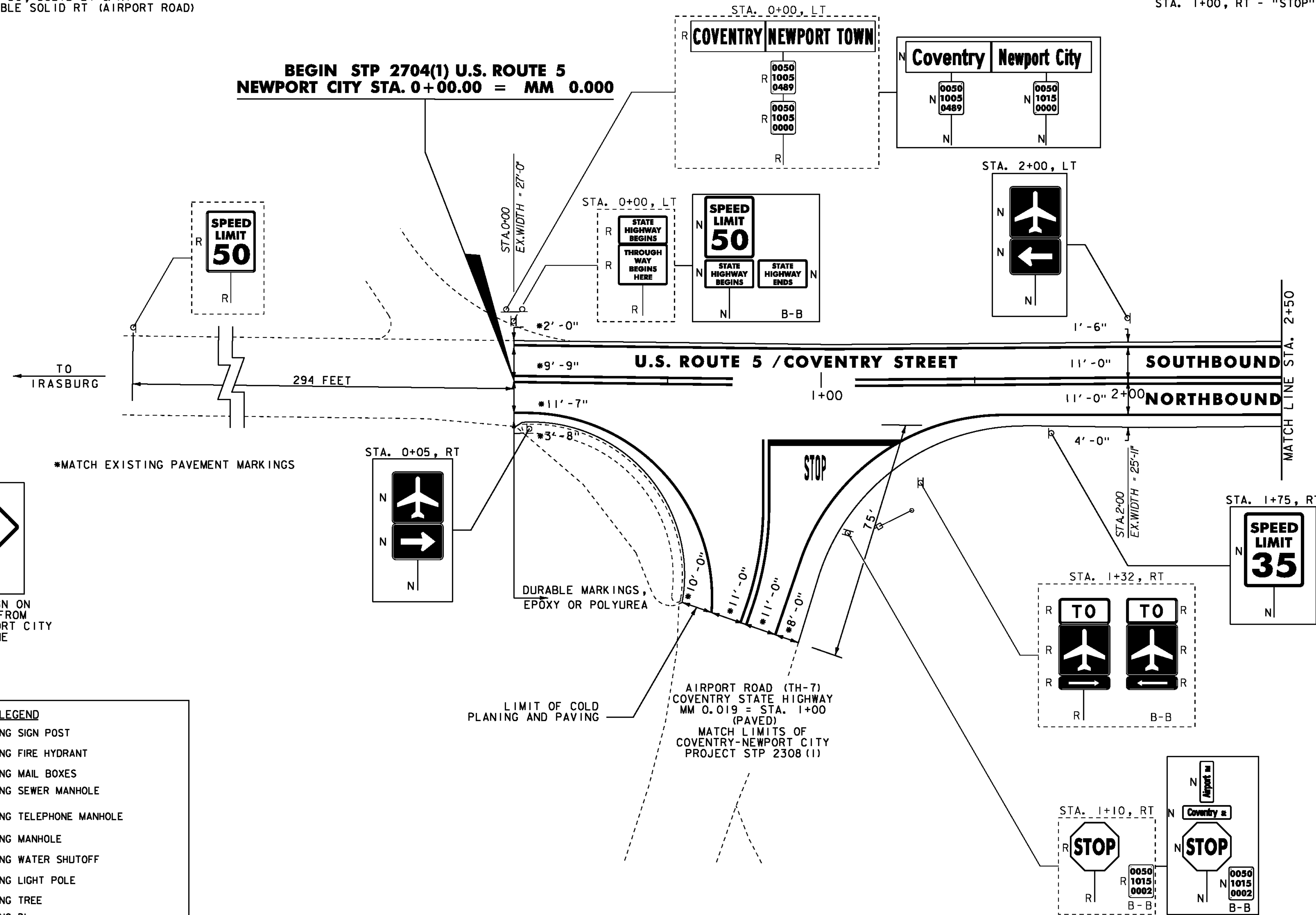
TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 0+00 TO 2+50, SOLID LT & RT
 STA. 1+00, DOUBLE SOLID RT (AIRPORT ROAD)

REMOVING SIGNS
 AS SHOWN - 14

TEMPORARY 24 INCH STOP BAR, PAINT
 STA. 1+00, RT (AIRPORT ROAD)

TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 1+00, RT - "STOP" (AIRPORT ROAD)

**BEGIN STP 2704(1) U.S. ROUTE 5
 NEWPORT CITY STA. 0+00.00 = MM 0.000**



GENERAL LEGEND	
⊖	= EXISTING SIGN POST
⊕	= EXISTING FIRE HYDRANT
♂	= EXISTING MAIL BOXES
SMH ⊖	= EXISTING SEWER MANHOLE
TMH ⊖	= EXISTING TELEPHONE MANHOLE
MH ⊖	= EXISTING MANHOLE
WSO ⊖	= EXISTING WATER SHUTOFF
☀	= EXISTING LIGHT POLE
🌳	= EXISTING TREE
⊕	= EXISTING DI
⊕	= EXISTING COMBINATION POLE
⊕	= EXISTING CONTROLLER
—	= EXISTING GUARDRAIL
- - -	= PROPOSED GUARDRAIL
- - -	= EXISTING PIPE
⊖	= EXISTING HEADWALL
⊖	= EXISTING RAILROAD
▶	= EXISTING PEDESTRIAN SIGNAL
⬅	= EXISTING TRAFFIC SIGNAL
▨	= EXISTING DETECTABLE WARNING SURFACE
▨	= PROPOSED DETECTABLE WARNING SURFACE

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

NOTES:
 1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
 2. THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVAL OF EXISTING CONCRETE AND SIDEWALK AS SHOWN AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE.



NOT TO SCALE

PROJECT LAYOUT SHEET #1

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(1)

FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d196101.i

PLOT DATE: 03-APR-2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 18 OF 91

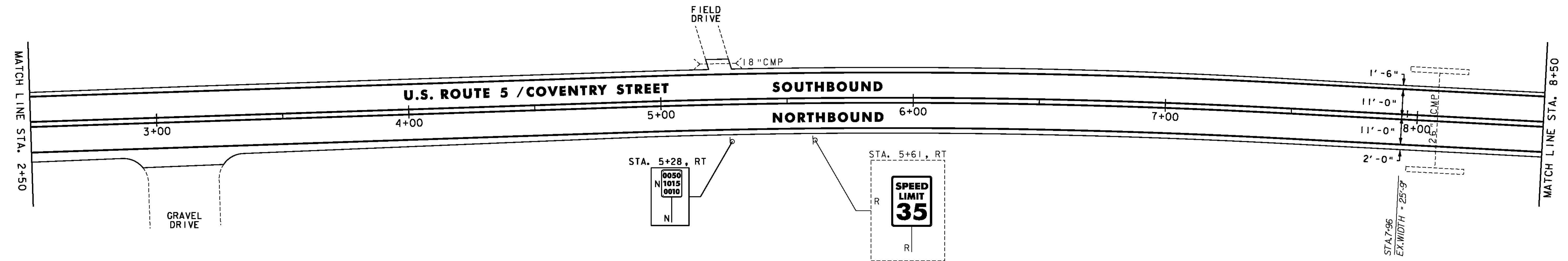
DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 2+50 TO 8+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 2+50 TO 8+50, SOLID LT & RT

REMOVING SIGNS
 AS SHOWN - 1

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE ϕ BREAKS FOR SIDE ROADS)
 STA. 2+50 TO 8+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE ϕ BREAKS FOR SIDE ROADS)
 STA. 2+50 TO 8+50, SOLID LT & RT



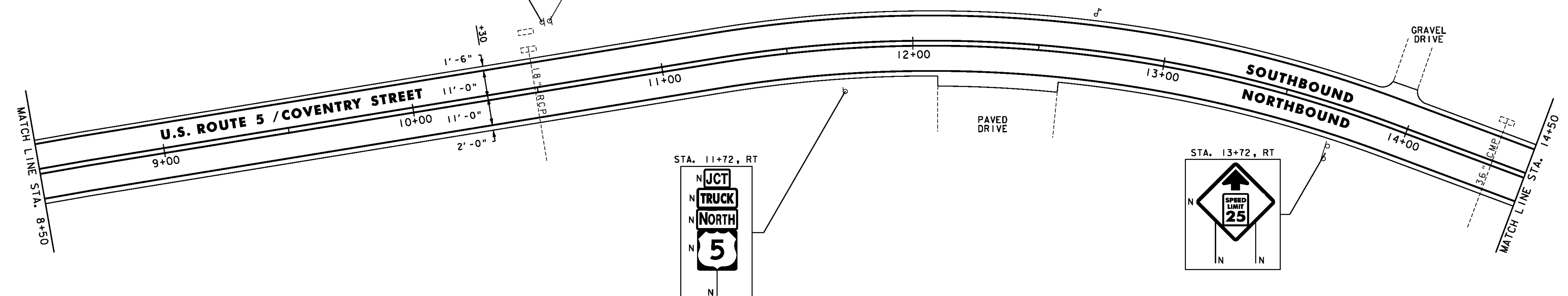
DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 8+50 TO 14+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 8+50 TO 14+50, SOLID LT & RT

REMOVING SIGNS
 AS SHOWN - 1

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE ϕ BREAKS FOR SIDE ROADS)
 STA. 8+50 TO 14+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE ϕ BREAKS FOR SIDE ROADS)
 STA. 8+50 TO 14+50, SOLID LT & RT



NOTES:

- FOR LEGEND, SEE SHEET #18.
- ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #2

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d196102.i

PLOT DATE: 3/6/2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 19 OF 91

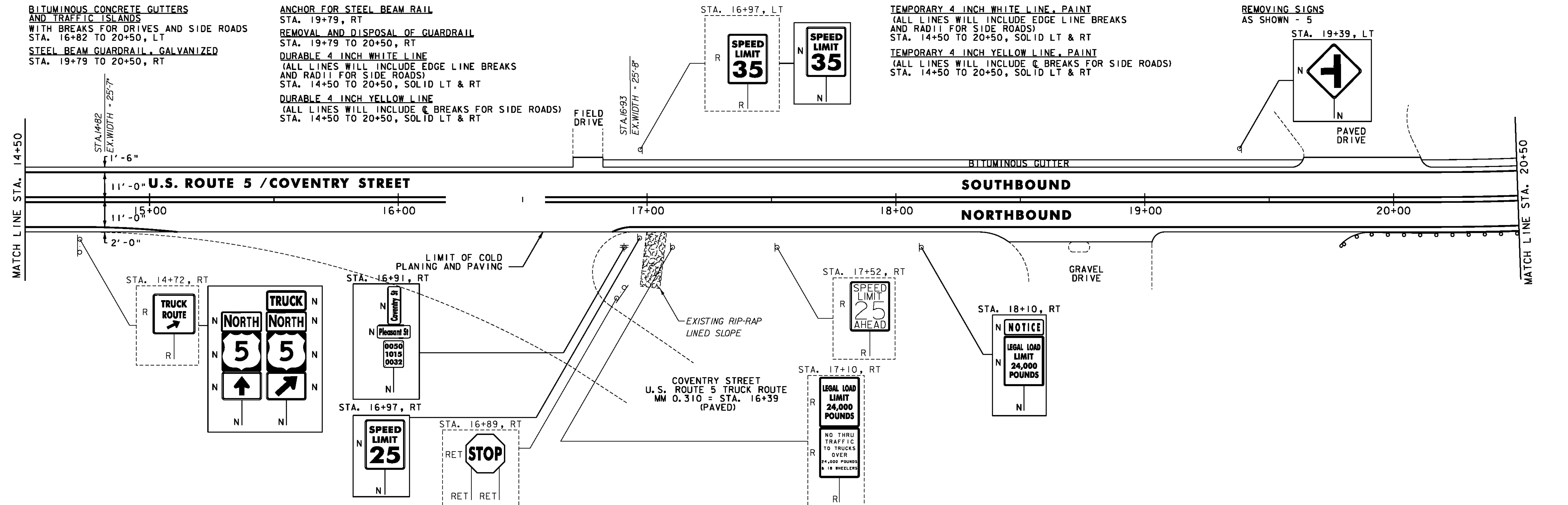


BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WITH BREAKS FOR DRIVES AND SIDE ROADS STA. 16+82 TO 20+50, LT
STEEL BEAM GUARDRAIL, GALVANIZED STA. 19+79 TO 20+50, RT

ANCHOR FOR STEEL BEAM RAIL STA. 19+79, RT
REMOVAL AND DISPOSAL OF GUARDRAIL STA. 19+79 TO 20+50, RT
DURABLE 4 INCH WHITE LINE (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS) STA. 14+50 TO 20+50, SOLID LT & RT
DURABLE 4 INCH YELLOW LINE (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS) STA. 14+50 TO 20+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS) STA. 14+50 TO 20+50, SOLID LT & RT
TEMPORARY 4 INCH YELLOW LINE, PAINT (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS) STA. 14+50 TO 20+50, SOLID LT & RT

REMOVING SIGNS AS SHOWN - 5



CHANGING ELEVATION OF SEWER MANHOLE STA. 22+30, C
STA. 26+40, LT

ANCHOR FOR STEEL BEAM RAIL STA. 22+16.5, RT
STA. 24+66, RT

DURABLE 4 INCH WHITE LINE (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS) STA. 20+50 TO 26+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR SIDE ROADS) STA. 20+50 TO 26+50, SOLID LT & RT

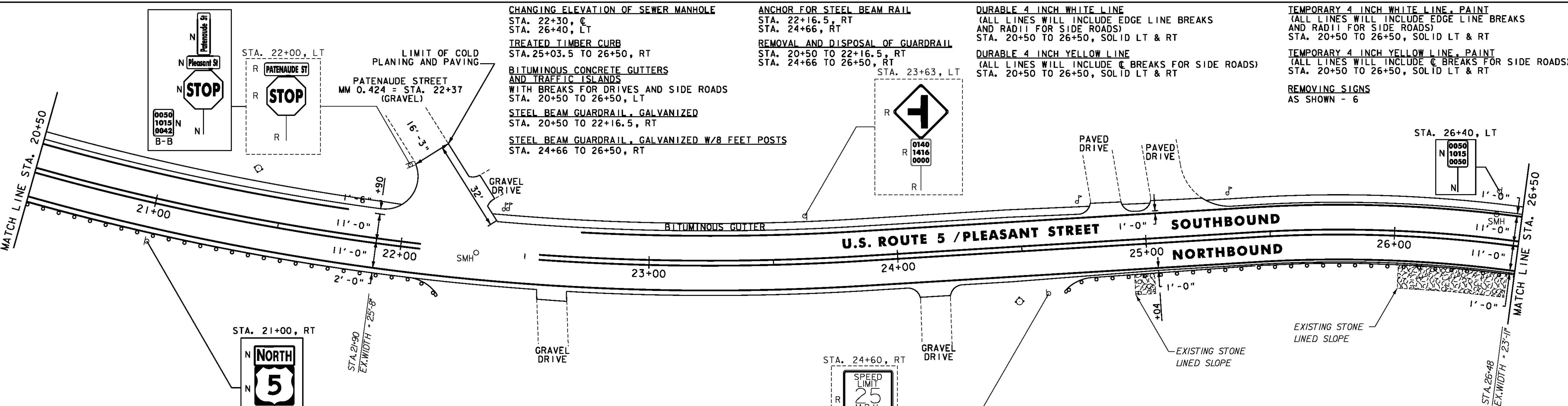
TREATED TIMBER CURB STA. 25+03.5 TO 26+50, RT

REMOVAL AND DISPOSAL OF GUARDRAIL STA. 20+50 TO 22+16.5, RT
STA. 24+66 TO 26+50, RT

DURABLE 4 INCH YELLOW LINE (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS) STA. 20+50 TO 26+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS) STA. 20+50 TO 26+50, SOLID LT & RT

REMOVING SIGNS AS SHOWN - 6



NOTES:
1. FOR LEGEND, SEE SHEET #18.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #3



PROJECT NAME: NEWPORT CITY	PLOT DATE: 3/6/2012
PROJECT NUMBER: STP 2704(I)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 20 OF 91
DESIGNED BY: STANTEC	
IPARM FILE: p07d196103.i	

CHANGING ELEVATION OF SEWER MANHOLES
STA. 29+97, RT

TREATED TIMBER CURB
STA. 26+50 TO 26+73.5, RT

BITUMINOUS CONCRETE GUTTERS
AND TRAFFIC ISLANDS
WITH BREAKS FOR DRIVES AND SIDE ROADS
STA. 26+50 TO 32+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 32+15 TO 32+50, RT

STEEL BEAM GUARDRAIL, GALVANIZED
W/8 FEET POSTS
STA. 26+50 TO 28+53.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 28+53.5, RT
STA. 32+15, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 26+50 TO 28+53.5, RT
STA. 32+13 TO 32+50, RT

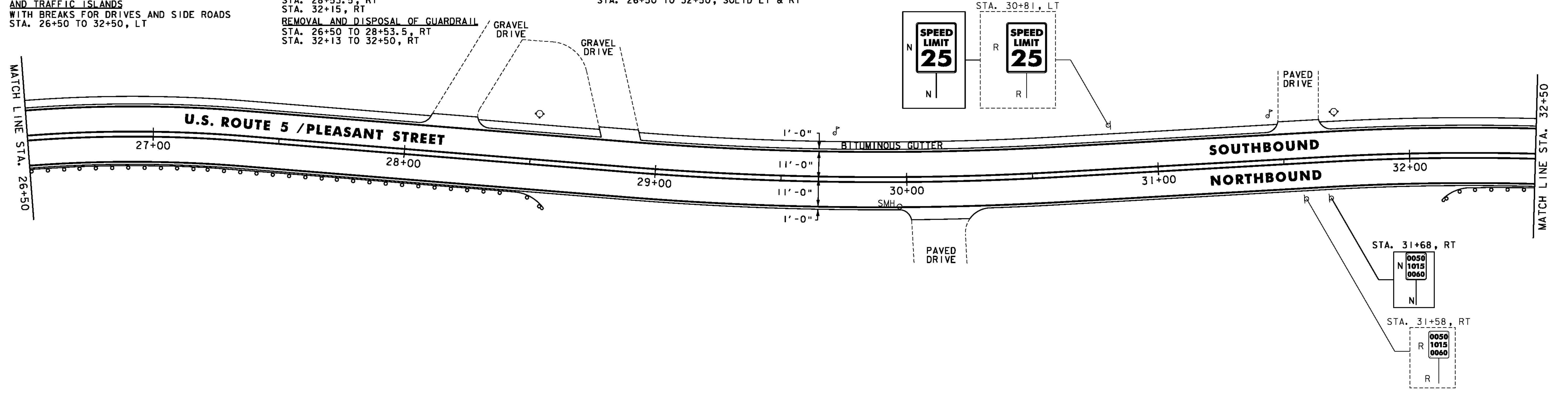
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 26+50 TO 32+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 26+50 TO 32+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 26+50 TO 32+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 26+50 TO 32+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



CHANGING ELEVATION OF SEWER MANHOLES
STA. 32+97, C

BITUMINOUS CONCRETE GUTTERS
AND TRAFFIC ISLANDS
WITH BREAKS FOR DRIVES AND SIDE ROADS
STA. 32+50 TO 38+50, LT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 32+50 TO 33+77.5, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 33+77.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 32+50 TO 33+72.5, RT

ADJUST ELEVATION OF VALVE BOX
STA. 36+00, RT
STA. 36+38, RT

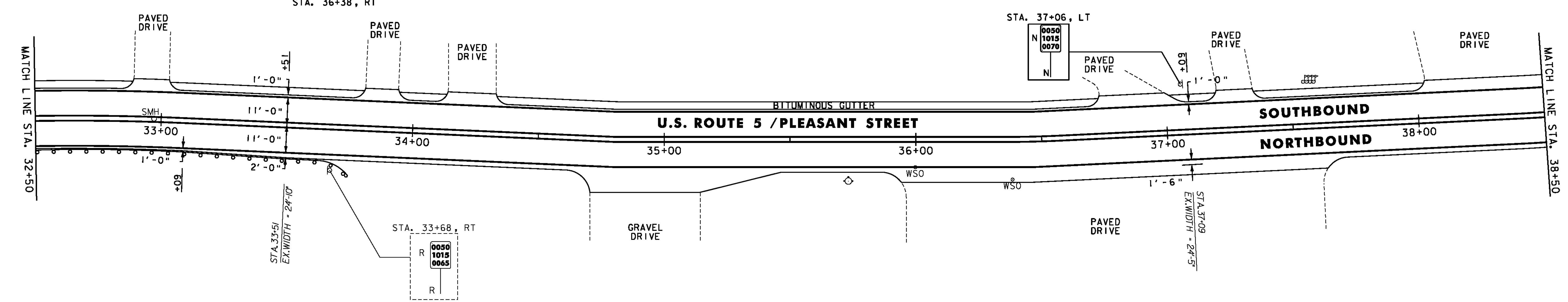
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 32+50 TO 38+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 32+50 TO 38+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 32+50 TO 38+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 32+50 TO 38+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 1



NOTES:

- FOR LEGEND, SEE SHEET #18.
- ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.



NOT TO SCALE

PROJECT LAYOUT SHEET #4

PROJECT NAME:	NEWPORT CITY
PROJECT NUMBER:	STP 2704(I)
FILE NAME:	p07d196.dgn
PROJECT LEADER:	JLL
DESIGNED BY:	STANTEC
IPARM FILE:	p07d196104.i
PLOT DATE:	3/6/2012
DRAWN BY:	STANTEC
CHECKED BY:	STANTEC
SHEET	21 OF 91

REHAB Dis, CBs OR Mhs, CLASS I OR II
 STA. 59+03, RT
 STA. 59+08, LT

VERTICAL GRANITE CURB
 STA. 56+50 TO 57+26, LT
 STA. 57+44 TO 57+88, LT
 STA. 58+04 TO 58+55, LT
 STA. 58+70 TO 59+22, LT
 STA. 59+41 TO 59+92, LT
 STA. 60+09 TO 60+56, LT
 STA. 60+82 TO 61+44, LT
 STA. 61+67 TO 61+96, LT
 STA. 62+22 TO 62+50, LT

REMOVAL OF EXISTING CURB
 STA. 56+50 TO 57+26, LT
 STA. 57+44 TO 57+88, LT
 STA. 58+04 TO 58+55, LT
 STA. 58+70 TO 59+22, LT
 STA. 59+41 TO 59+92, LT
 STA. 60+09 TO 60+56, LT
 STA. 60+82 TO 61+44, LT
 STA. 61+67 TO 61+96, LT
 STA. 62+22 TO 62+50, LT

**PORTLAND CEMENT CONCRETE
 SIDEWALK, 5 INCH**
 STA. 56+50 TO 57+26, LT
 STA. 57+44 TO 57+88, LT
 STA. 58+04 TO 58+55, LT
 STA. 58+70 TO 59+22, LT
 STA. 59+41 TO 59+92, LT
 STA. 60+09 TO 60+56, LT
 STA. 60+82 TO 61+44, LT
 STA. 61+67 TO 61+96, LT
 STA. 62+22 TO 62+50, LT

**PORTLAND CEMENT CONCRETE
 SIDEWALK, 8 INCH**
 STA. 57+26 TO 57+44, LT
 STA. 57+88 TO 58+04, LT
 STA. 58+55 TO 58+70, LT
 STA. 59+22 TO 59+41, LT
 STA. 59+92 TO 60+09, LT
 STA. 60+56 TO 60+82, LT
 STA. 61+44 TO 61+67, LT
 STA. 61+96 TO 62+22, LT

DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 56+50 TO 62+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 56+50 TO 62+50, SOLID LT & RT

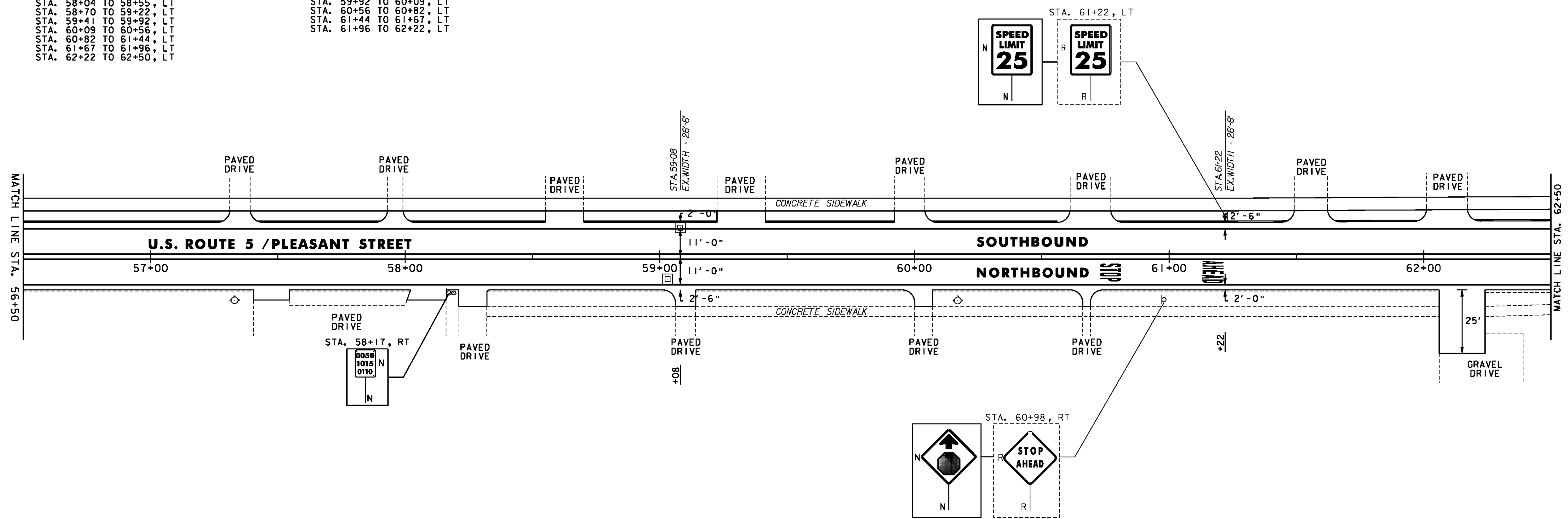
DURABLE LETTER OR SYMBOL
 STA. 60+78, RT "STOP"
 STA. 61+18, RT "AHEAD"

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 56+50 TO 62+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 56+50 TO 62+50, SOLID LT & RT

TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 60+78, RT "STOP"
 STA. 61+18, RT "AHEAD"

**REMOVING SIGNS
 AS SHOWN - 2**



NOTES:
 1. FOR LEGEND, SEE SHEET #18.
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE
 RETAINED

NOT TO SCALE

**PROJECT
 LAYOUT
 SHEET #8**



PROJECT NAME: NEWPORT CITY	PLOT DATE: 3/6/2012
PROJECT NUMBER: STP 2704(I)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 25 OF 91
DESIGNED BY: STANTEC	
IPARM FILE: p07d196108.i	

REHAB DIS, CBS OR MHS, CLASS 1 OR II

STA. 103+95, RT
 STA. 103+98, LT
 STA. 104+05, RT
 STA. 104+77, RT
 STA. 104+89, RT
 STA. 107+03, LT
 STA. 107+03, RT

CHANGING ELEVATION OF SEWER MANHOLES

STA. 103+93, LT
 STA. 104+50, LT
 STA. 106+59, LT

PORTLAND CEMENT CONCRETE

SIDEWALK, 5 INCH

STA. 104+86 TO 105+06, RT

ADJUST ELEVATION OF VALVE BOX

STA. 106+24, LT
 STA. 106+29, LT

REMOVAL OF OVERHEAD SIGN ASSEMBLY TO BE PAID AS ITEM 900.620 SPECIAL PROVISION (REMOVE EXISTING OVERHEAD SIGN ASSEMBLY, MULTI-SUPPORT)

DURABLE 4 INCH WHITE LINE

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)

STA. 102+50 TO 102+71, DOTTED LT (LANE LINE)
 STA. 102+50 TO 107+50, SOLID LT & RT
 STA. 102+50 TO 104+15, SOLID RT (LANE LINE)
 STA. 103+39 TO 103+77, SOLID RT (RAMP)
 STA. 103+45 TO 104+15, RT (DIAGONALS)
 STA. 104+39, SOLID RT (VT 191)
 STA. 104+88 TO 105+75, SOLID LT (LANE LINE)
 STA. 105+19 TO 106+70, DOTTED RT
 STA. 105+75 TO 106+90, DOTTED LT
 STA. 106+70 TO 107+50, SOLID RT (LANE LINE)

DURABLE 4 INCH YELLOW LINE

(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)

STA. 102+50 TO 104+21, SOLID LT & RT
 STA. 104+39, DOUBLE SOLID RT (VT 191)
 STA. 104+83 TO 105+26, SOLID LT & RT (ISLAND)
 STA. 105+26 TO 106+70, DOUBLE SOLID RT TO LT
 STA. 105+26 TO 106+70, DOUBLE SOLID RT
 STA. 106+70 TO 107+50, SOLID LT & RT

DURABLE 8 INCH YELLOW LINE

STA. 105+27 TO 106+67, LT & RT (DIAGONALS)

DURABLE 24 INCH STOP BAR

STA. 104+10, RT
 STA. 104+39, RT (VT 191)
 STA. 104+87, LT TO RT

DURABLE LETTER OR SYMBOL

STA. 102+56, RT "ONLY"
 STA. 103+06, RT ARROW
 STA. 104+39, RT ARROW (4)
 STA. 104+39, RT "ONLY" (2)
 STA. 104+93, LT ARROW
 STA. 105+32, LT "ONLY"
 STA. 105+71, LT ARROW
 STA. 106+74, RT ARROW
 STA. 107+29, RT "ONLY"

DURABLE CROSSWALK MARKING

STA. 104+72 TO 104+86, LT TO RT

TEMPORARY 4 INCH WHITE LINE, PAINT

(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADII FOR SIDE ROADS)

STA. 102+50 TO 102+71, DOTTED LT (LANE LINE)
 STA. 102+50 TO 107+50, SOLID LT & RT
 STA. 102+50 TO 104+15, SOLID RT (LANE LINE)
 STA. 103+39 TO 103+77, SOLID RT (RAMP)
 STA. 103+45 TO 104+15, RT (DIAGONALS)
 STA. 104+39, SOLID RT (VT 191)
 STA. 104+88 TO 105+75, SOLID LT (LANE LINE)
 STA. 105+19 TO 106+70, DOTTED RT
 STA. 105+75 TO 106+90, DOTTED LT
 STA. 106+70 TO 107+50, SOLID RT (LANE LINE)

TEMPORARY 4 INCH YELLOW LINE, PAINT

(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)

STA. 102+50 TO 104+21, SOLID LT & RT
 STA. 104+39, DOUBLE SOLID RT (VT 191)
 STA. 104+83 TO 105+26, SOLID LT & RT (ISLAND)
 STA. 105+26 TO 106+70, DOUBLE SOLID RT TO LT
 STA. 105+26 TO 106+70, DOUBLE SOLID RT
 STA. 106+70 TO 107+50, SOLID LT & RT

TEMPORARY 8 INCH YELLOW LINE, PAINT

STA. 105+27 TO 106+67, LT & RT (DIAGONALS)

TEMPORARY 24 INCH STOP BAR, PAINT

STA. 104+10, RT
 STA. 104+39, RT (VT 191)
 STA. 104+87, LT TO RT

TEMPORARY LETTER OR SYMBOL, PAINT

STA. 102+56, RT "ONLY"
 STA. 103+06, RT ARROW
 STA. 104+39, RT ARROW (4)
 STA. 104+39, RT "ONLY" (2)
 STA. 104+93, LT ARROW
 STA. 105+32, LT "ONLY"
 STA. 105+71, LT ARROW
 STA. 106+74, RT ARROW
 STA. 107+29, RT "ONLY"

TEMPORARY CROSSWALK MARKING, PAINT

STA. 104+72 TO 104+86, LT TO RT

PAINTED CURB

STA. 103+63 TO 103+90, LT
 STA. 103+77 TO 104+17, RT
 STA. 103+90 TO 104+20, LT & RT
 STA. 104+84 TO 105+28, RT
 STA. 106+68 TO 106+98, LT & RT
 STA. 106+98 TO 107+20, LT

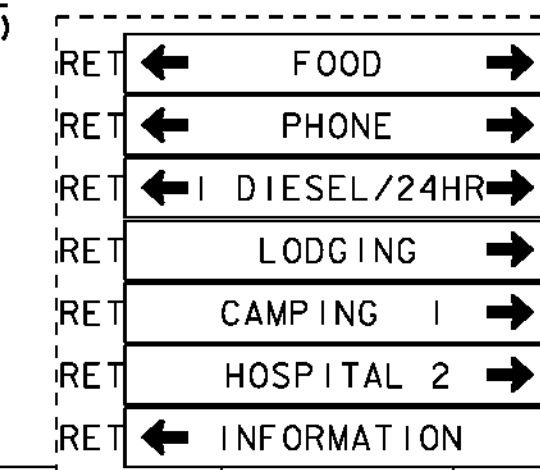
REMOVING SIGNS

AS SHOWN - 32

NOTES:

- FOR LEGEND, SEE SHEET #18.
- ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.
- THE SIDEWALK "LANDINGS" NOTED CONSIST OF REMOVAL OF EXISTING CONCRETE AND SIDEWALK AS SHOWN AND REPLACING IT WITH NEW SUBBASE, CONCRETE AND DETECTABLE WARNING SURFACE.

FOR PROPOSED SIGNS SEE SHEET 35



RETAIN EXISTING INFORMATION SIGN ASSEMBLY 5' FROM PAVEMENT JOINT (VT 191)

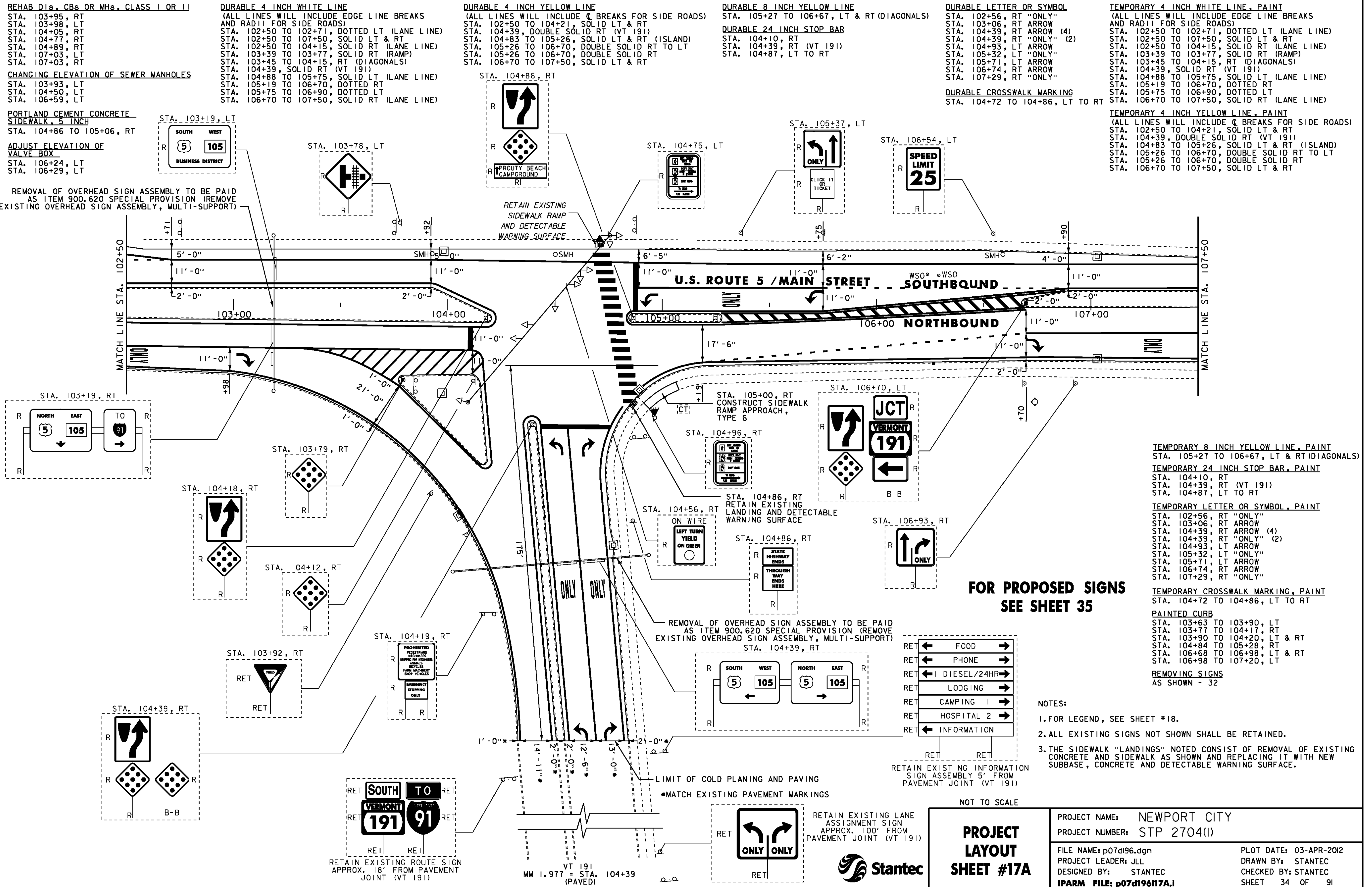
NOT TO SCALE

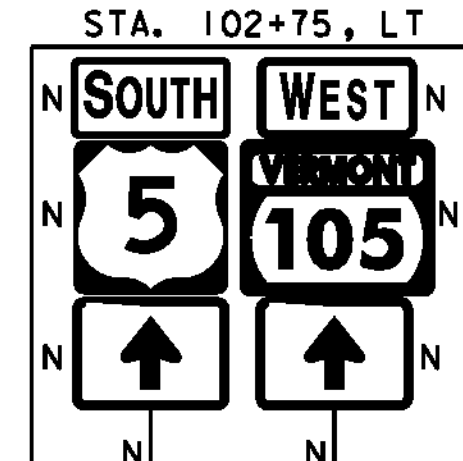
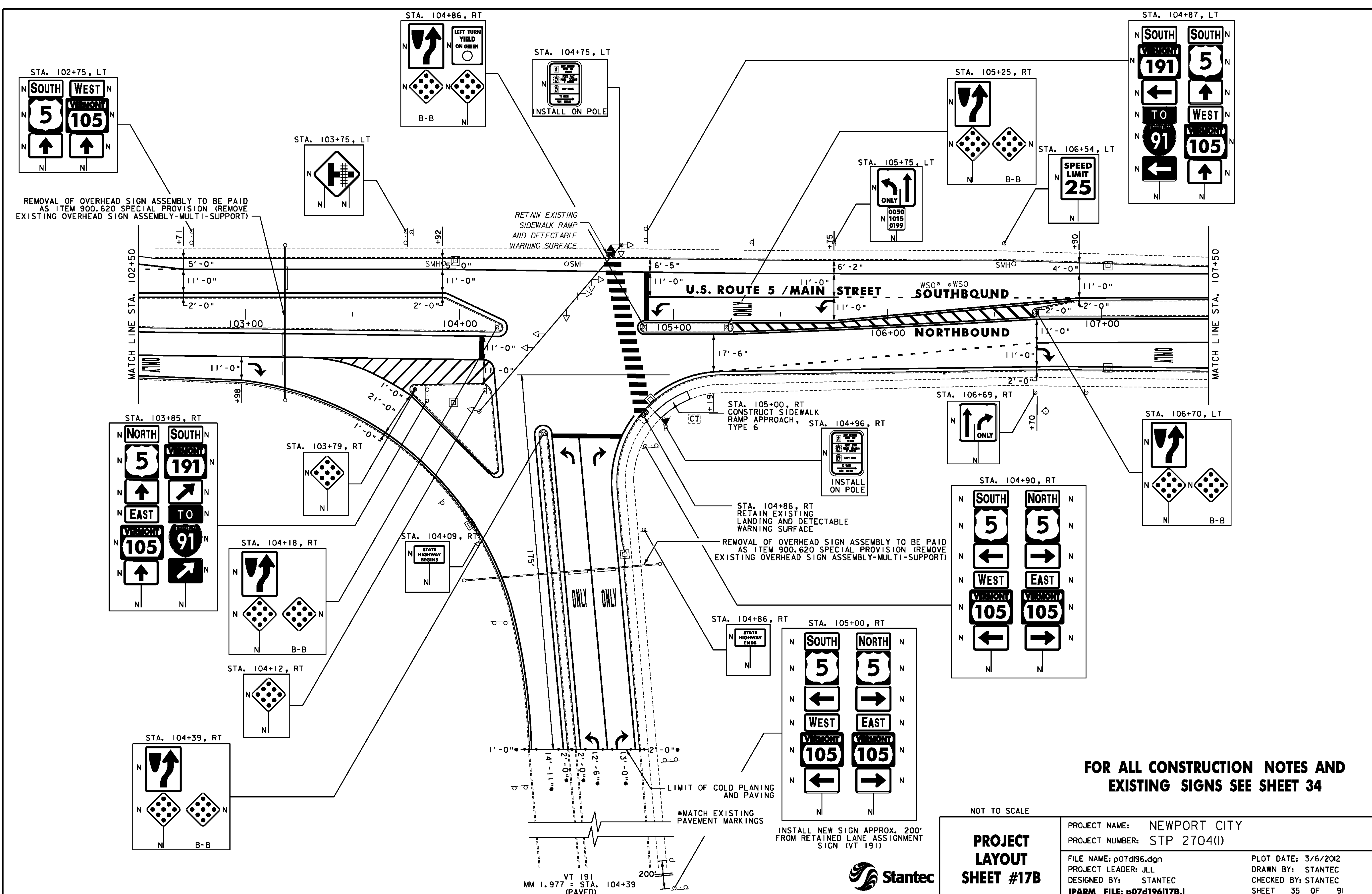
PROJECT LAYOUT SHEET #17A

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)

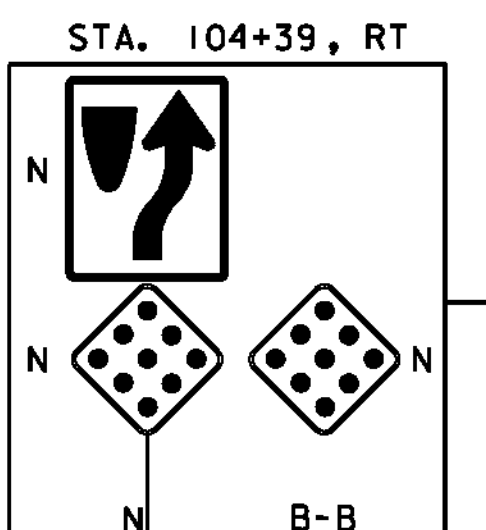
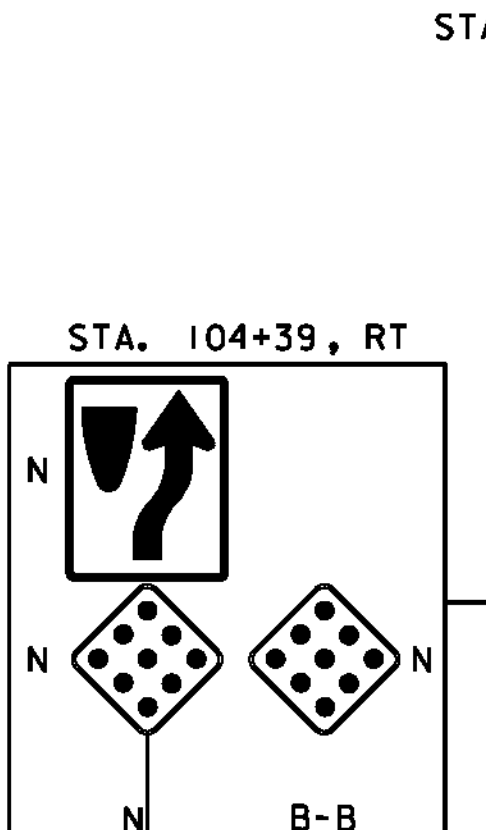
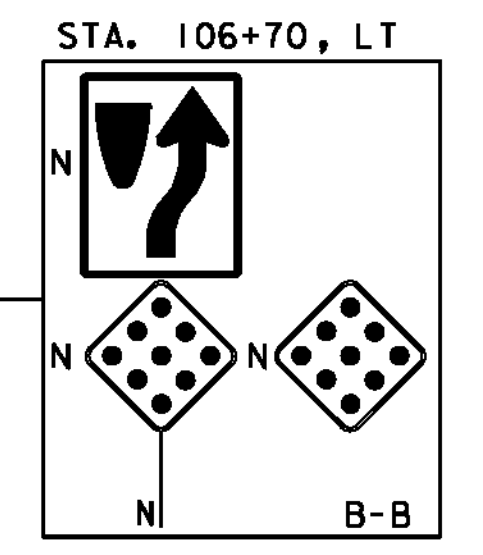
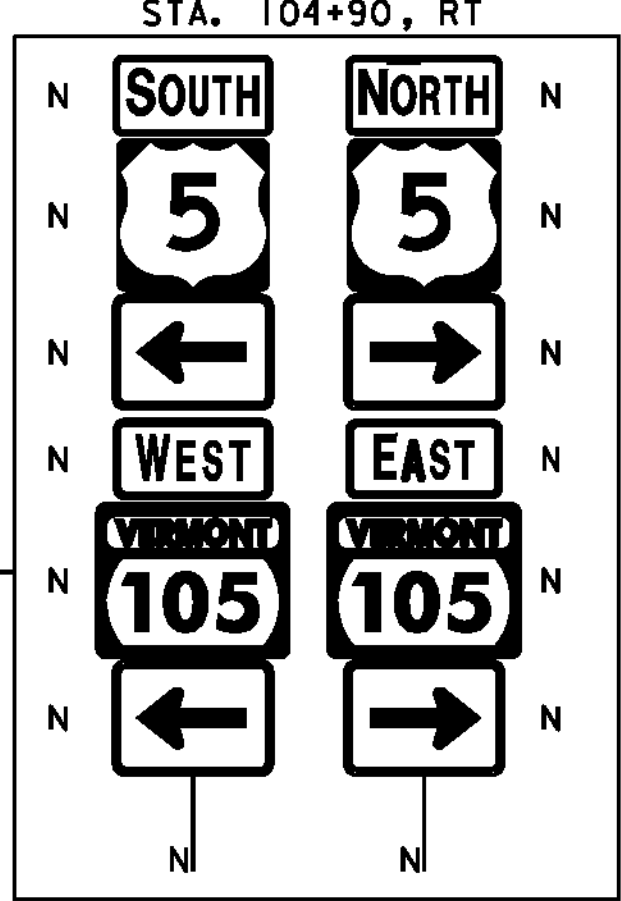
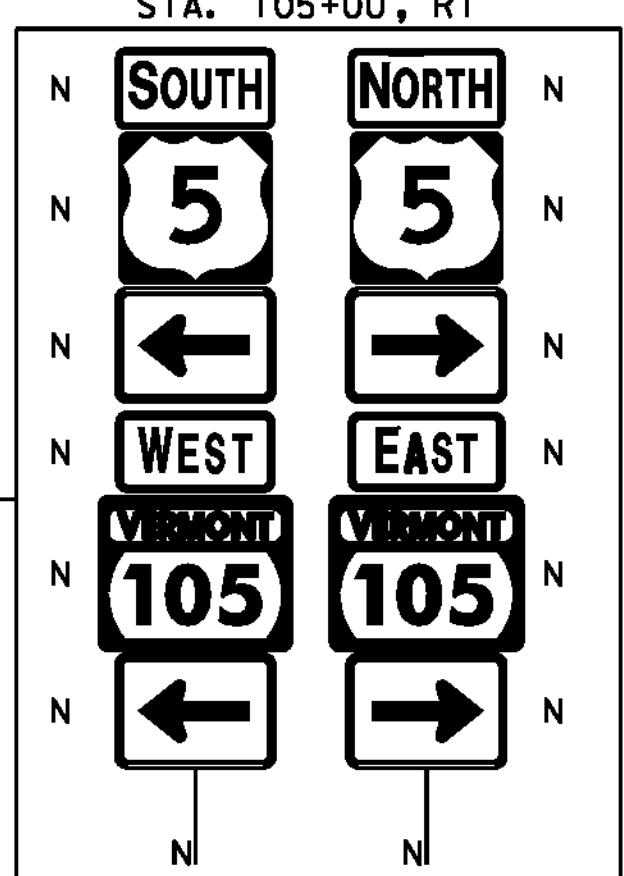
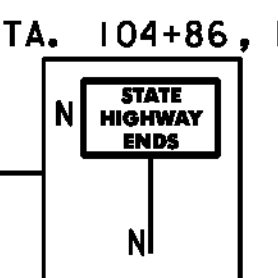
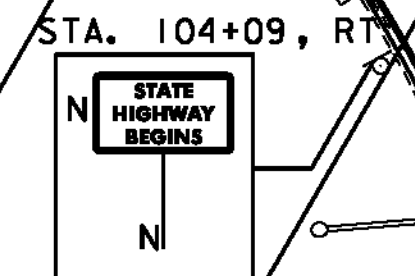
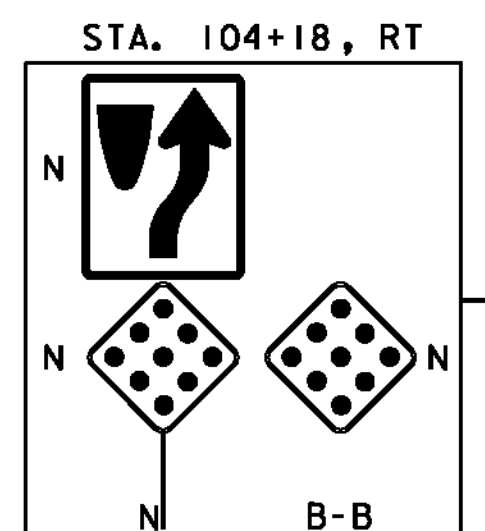
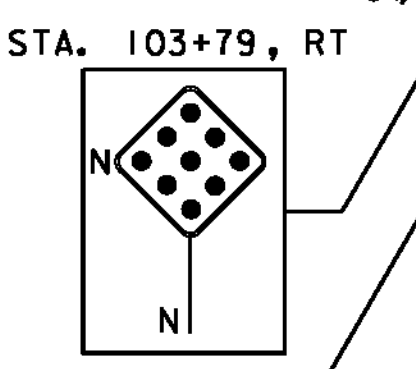
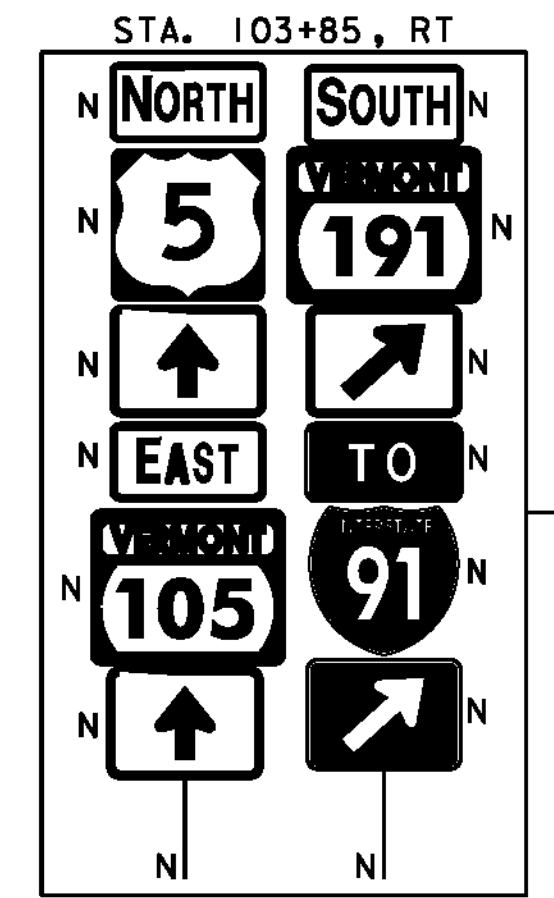
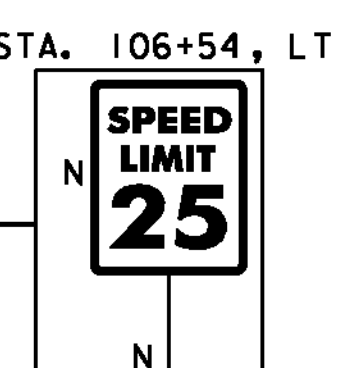
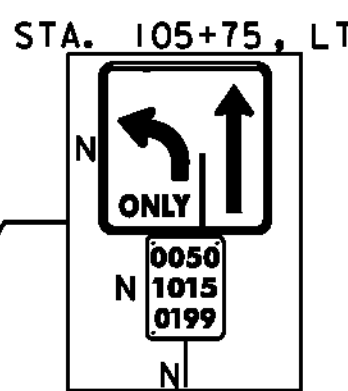
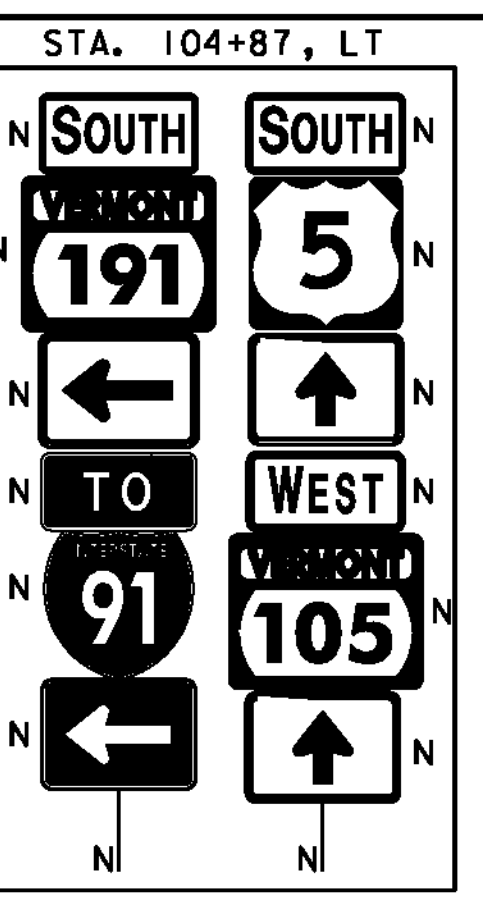
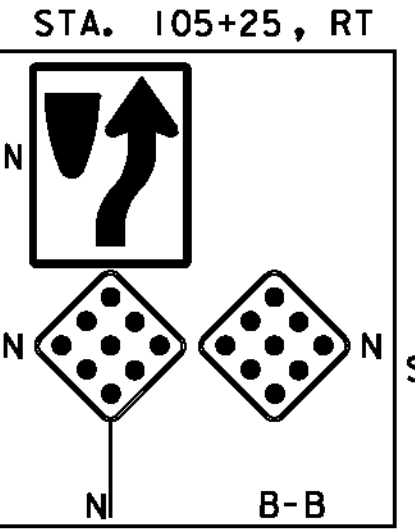
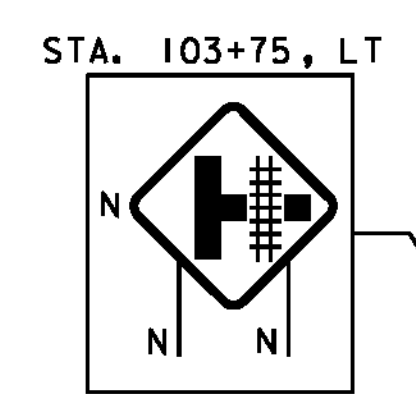
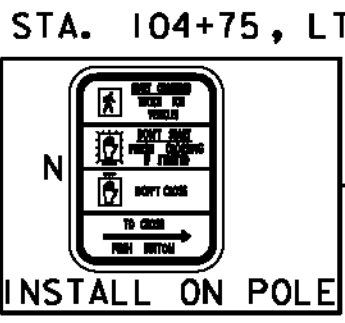
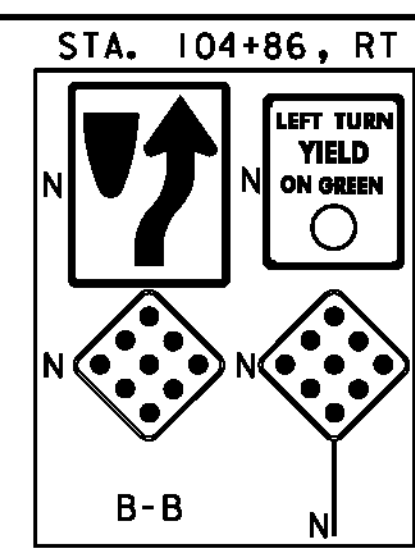
FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d196(I)7A.i

PLOT DATE: 03-APR-2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 34 OF 91





REMOVAL OF OVERHEAD SIGN ASSEMBLY TO BE PAID AS ITEM 900.620 SPECIAL PROVISION (REMOVE EXISTING OVERHEAD SIGN ASSEMBLY-MULTI-SUPPORT)



FOR ALL CONSTRUCTION NOTES AND EXISTING SIGNS SEE SHEET 34

NOT TO SCALE

PROJECT LAYOUT SHEET #17B

PROJECT NAME:	NEWPORT CITY	PLOT DATE:	3/6/2012
PROJECT NUMBER:	STP 2704(I)	DRAWN BY:	STANTEC
FILE NAME:	p07d196.dgn	CHECKED BY:	STANTEC
PROJECT LEADER:	JLL	SHEET	35 OF 91
DESIGNED BY:	STANTEC		
IPARM FILE:	p07d196i17B.I		



VT 191
MM 1.977 = STA. 104+39
(PAVED)

INSTALL NEW SIGN APPROX. 200' FROM RETAINED LANE ASSIGNMENT SIGN (VT 191)

*MATCH EXISTING PAVEMENT MARKINGS

LIMIT OF COLD PLANING AND PAVING

REMOVAL OF OVERHEAD SIGN ASSEMBLY TO BE PAID AS ITEM 900.620 SPECIAL PROVISION (REMOVE EXISTING OVERHEAD SIGN ASSEMBLY-MULTI-SUPPORT)

STA. 104+86, RT
RETAIN EXISTING LANDING AND DETECTABLE WARNING SURFACE

STA. 105+00, RT
CONSTRUCT SIDEWALK RAMP APPROACH, TYPE 6

RETAIN EXISTING SIDEWALK RAMP AND DETECTABLE WARNING SURFACE

REHAB DIS, CBS OR MHS, CLASS I OR II
STA. 143+20, RT

VERTICAL GRANITE CURB
STA. 142+50 TO 142+53, RT

REMOVAL OF EXISTING CURB
STA. 142+50 TO 142+53, RT

PORTLAND CEMENT CONCRETE
SIDEWALK, 5 INCH
STA. 142+50 TO 142+56, RT

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 142+80 TO 145+80, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 142+80, RT
STA. 145+80, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 143+08 TO 145+75, RT

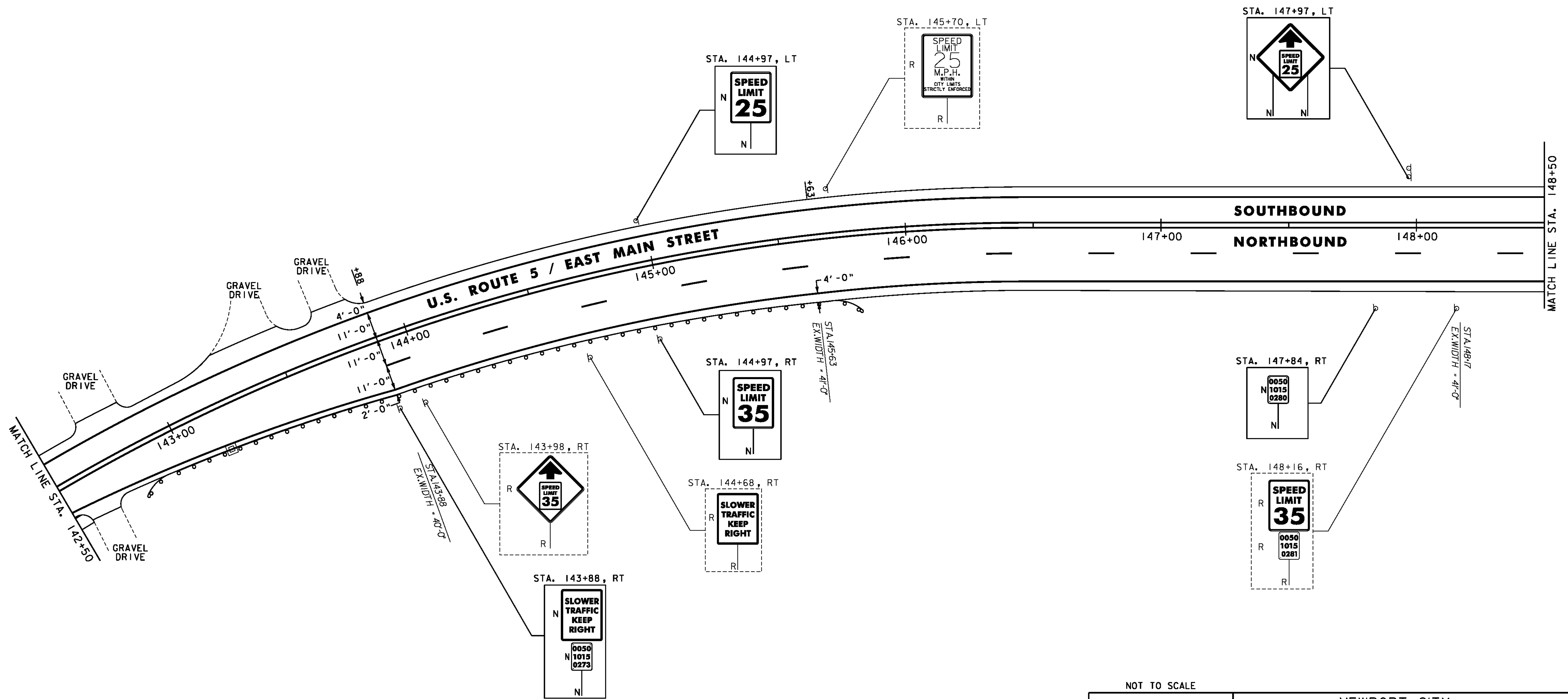
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADIi FOR SIDE ROADS)
STA. 142+50 TO 148+50, SOLID LT & RT
STA. 143+88 TO 148+50, DASHED RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 142+50 TO 148+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADIi FOR SIDE ROADS)
STA. 142+50 TO 148+50, SOLID LT & RT
STA. 143+88 TO 148+50, DASHED RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 142+50 TO 148+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 5



NOTES:
1. FOR LEGEND, SEE SHEET #18.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE
RETAINED.

NOT TO SCALE



**PROJECT
LAYOUT
SHEET #24**

PROJECT NAME: NEWPORT CITY	PLOT DATE: 3/6/2012
PROJECT NUMBER: STP 2704(I)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 42 OF 91
DESIGNED BY: STANTEC	
IPARM FILE: p07d196124.i	

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 152+07 TO 154+50, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 152+07, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 152+07 TO 154+50, RT

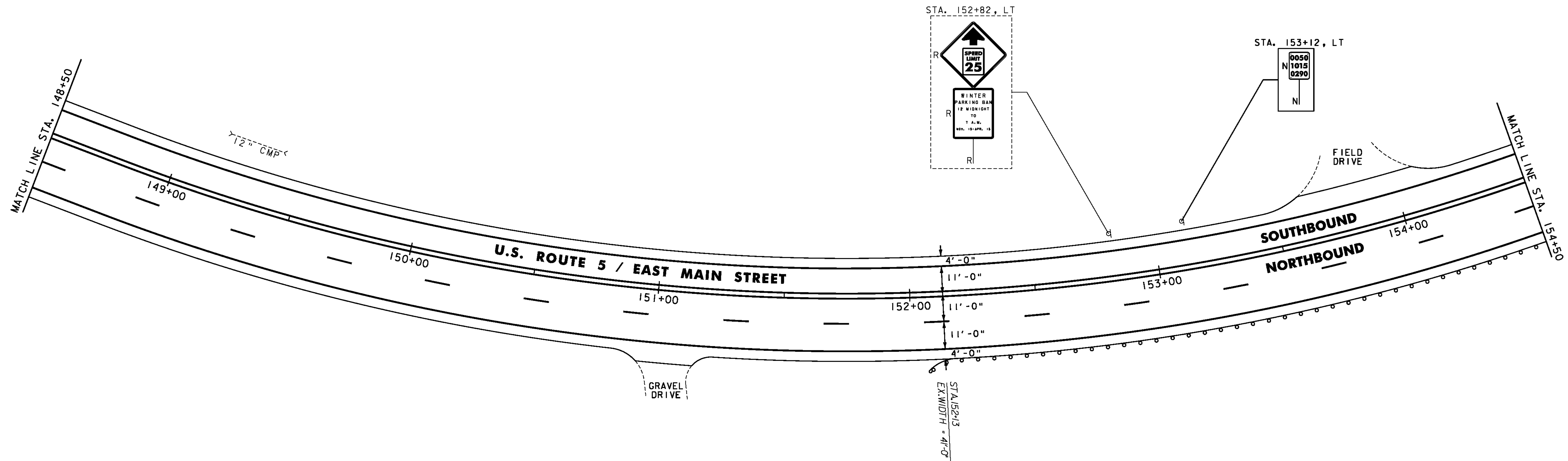
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 148+50 TO 154+50, SOLID LT & RT
STA. 148+50 TO 154+50, DASHED RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 148+50 TO 154+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 148+50 TO 154+50, SOLID LT & RT
STA. 148+50 TO 154+50, DASHED RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 148+50 TO 154+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 2



- NOTES:
1. FOR LEGEND, SEE SHEET #18.
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE



PROJECT LAYOUT SHEET #25

PROJECT NAME: NEWPORT CITY	PLOT DATE: 3/6/2012
PROJECT NUMBER: STP 2704(I)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 43 OF 91
DESIGNED BY: STANTEC	
IPARM FILE: p07d196125.i	

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 154+50 TO 158+82, RT

ANCHOR FOR STEEL BEAM RAIL
STA. 158+82, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 154+50 TO 158+82, RT

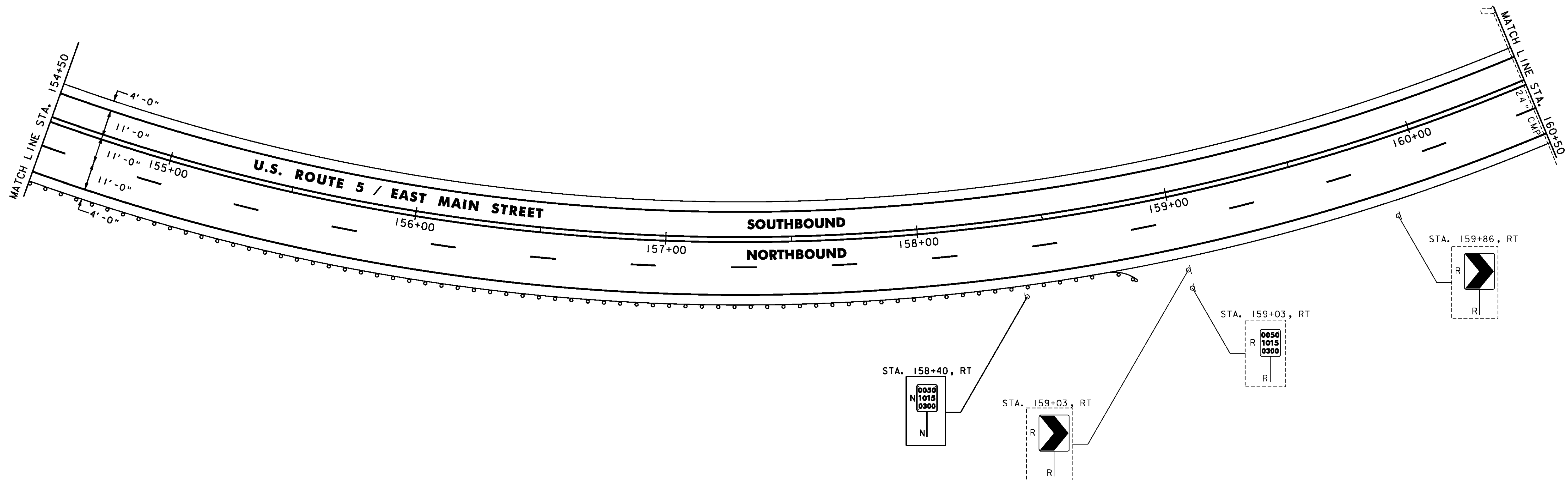
DURABLE 4 INCH WHITE LINE
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 154+50 TO 160+50, SOLID LT & RT
STA. 154+50 TO 160+50, DASHED RT

DURABLE 4 INCH YELLOW LINE
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 154+50 TO 160+50, SOLID LT & RT

TEMPORARY 4 INCH WHITE LINE, PAINT
(ALL LINES WILL INCLUDE EDGE LINE BREAKS
AND RADII FOR SIDE ROADS)
STA. 154+50 TO 160+50, SOLID LT & RT
STA. 154+50 TO 160+50, DASHED RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
(ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
STA. 154+50 TO 160+50, SOLID LT & RT

REMOVING SIGNS
AS SHOWN - 3



- NOTES:
- FOR LEGEND, SEE SHEET #18.
 - ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE



PROJECT LAYOUT SHEET #26

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196126.i

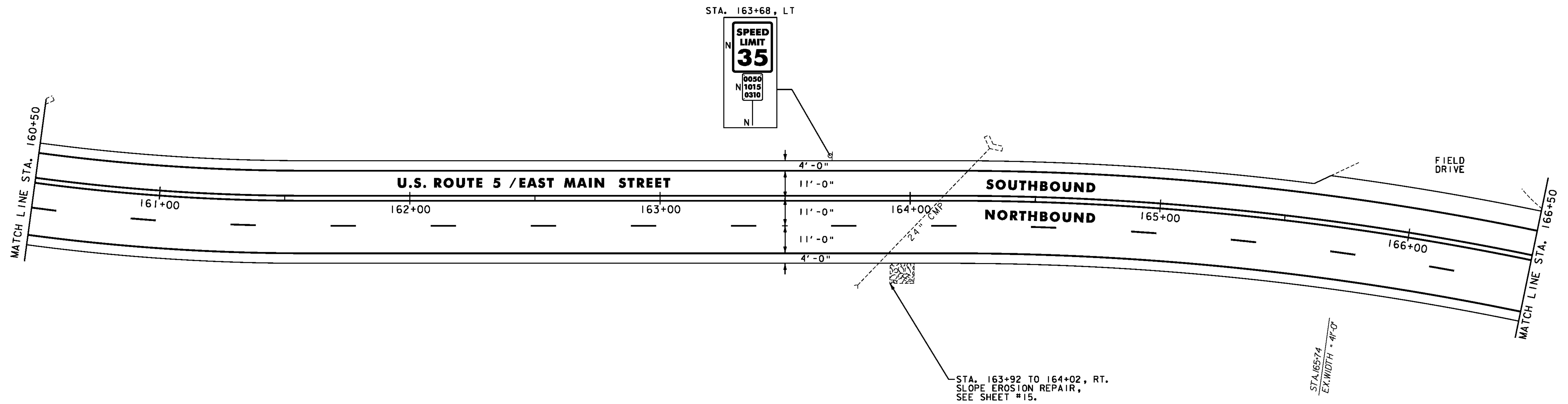
PLOT DATE: 3/6/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 44 OF 91

DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 160+50 TO 166+50, SOLID LT & RT
 STA. 160+50 TO 166+50, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 160+50 TO 166+50, SOLID LT & RT
 STA. 160+50 TO 166+50, DASHED RT

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE G BREAKS FOR SIDE ROADS)
 STA. 160+50 TO 166+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE G BREAKS FOR SIDE ROADS)
 STA. 160+50 TO 166+50, SOLID LT & RT



NOTES:

1. FOR LEGEND, SEE SHEET #18.
2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE



PROJECT LAYOUT SHEET #27

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)
 FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d196127.i

PLOT DATE: 3/6/2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 45 OF 91

CHANGING ELEVATION OF SEWER MANHOLES
 STA. 167+21, LT
 STA. 172+06, LT

DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 166+50 TO 172+50, SOLID LT & RT
 STA. 166+50 TO 169+87, DASHED RT

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADII FOR SIDE ROADS)
 STA. 166+50 TO 172+50, SOLID LT & RT
 STA. 166+50 TO 169+87, DASHED RT

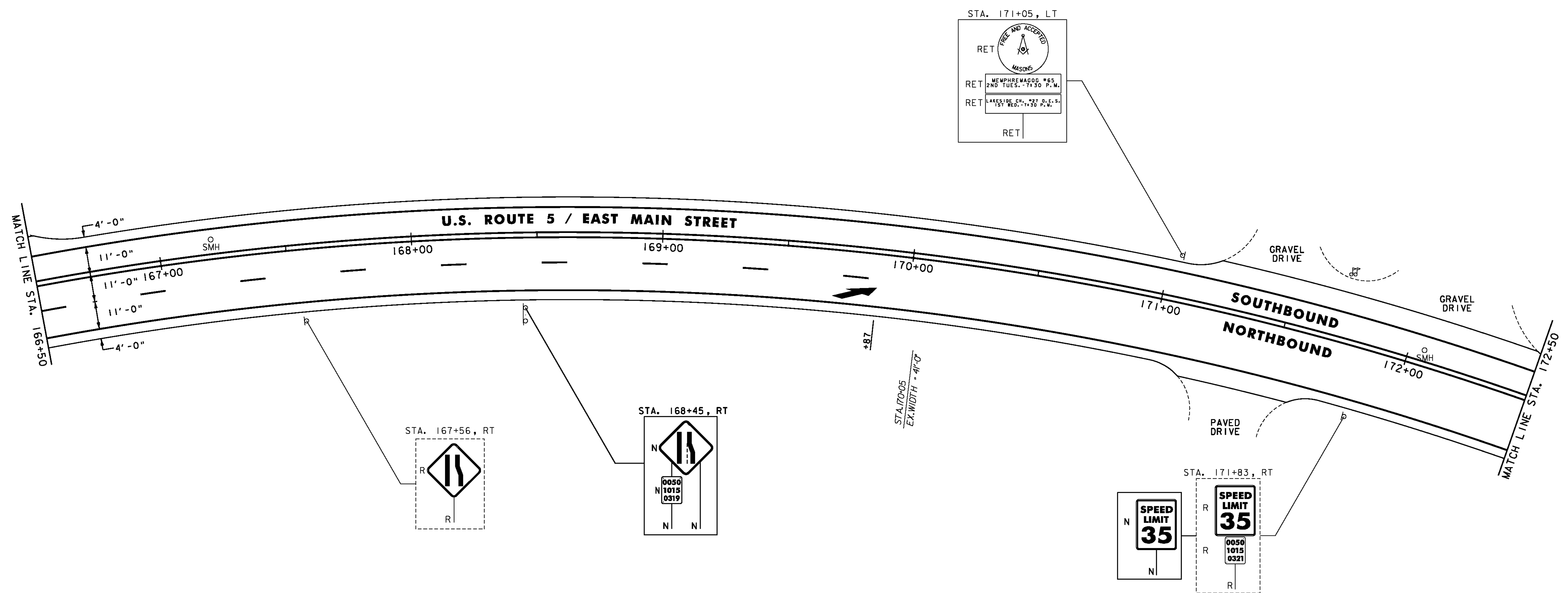
REMOVING SIGNS
 AS SHOWN - 3

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 166+50 TO 172+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 166+50 TO 172+50, SOLID LT & RT

DURABLE LETTER OR SYMBOL
 STA. 169+87, RT (ARROW) (IN ACCORDANCE WITH THE 2009 MUTCD)

TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 169+87, RT (ARROW) (IN ACCORDANCE WITH THE 2009 MUTCD)



NOTES:
 1. FOR LEGEND, SEE SHEET #18.
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE
 RETAINED.



NOT TO SCALE
**PROJECT
 LAYOUT
 SHEET #28**

PROJECT NAME: NEWPORT CITY	PLOT DATE: 3/6/2012
PROJECT NUMBER: STP 2704(I)	DRAWN BY: STANTEC
FILE NAME: p07d196.dgn	CHECKED BY: STANTEC
PROJECT LEADER: JLL	SHEET 46 OF 91
DESIGNED BY: STANTEC	
IPARM FILE: p07d196128.i	

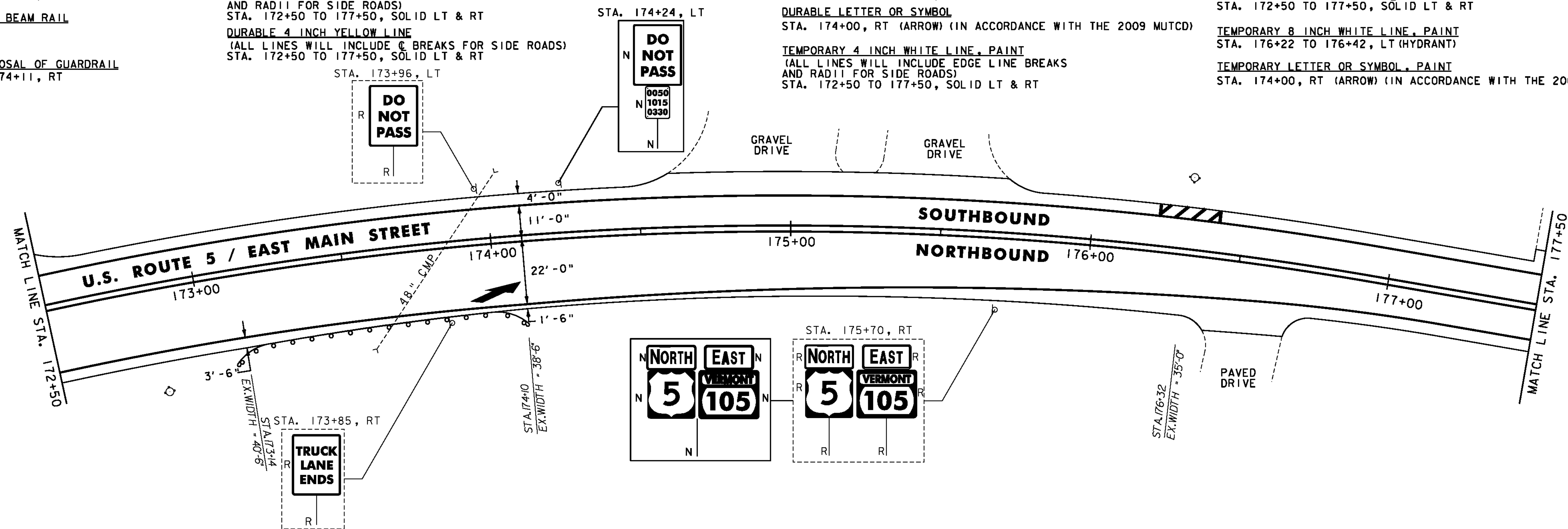
STEEL BEAM GUARDRAIL, GALVANIZED
 STA. 173+10 TO 174+10, RT
ANCHOR FOR STEEL BEAM RAIL
 STA. 173+10, RT
 STA. 174+10, RT
REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 173+15 TO 174+11, RT

DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 STA. 172+50 TO 177+50, SOLID LT & RT
DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 172+50 TO 177+50, SOLID LT & RT

DURABLE 8 INCH WHITE LINE
 STA. 176+22 TO 176+42, LT (HYDRANT)
DURABLE LETTER OR SYMBOL
 STA. 174+00, RT (ARROW) (IN ACCORDANCE WITH THE 2009 MUTCD)
TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 STA. 172+50 TO 177+50, SOLID LT & RT

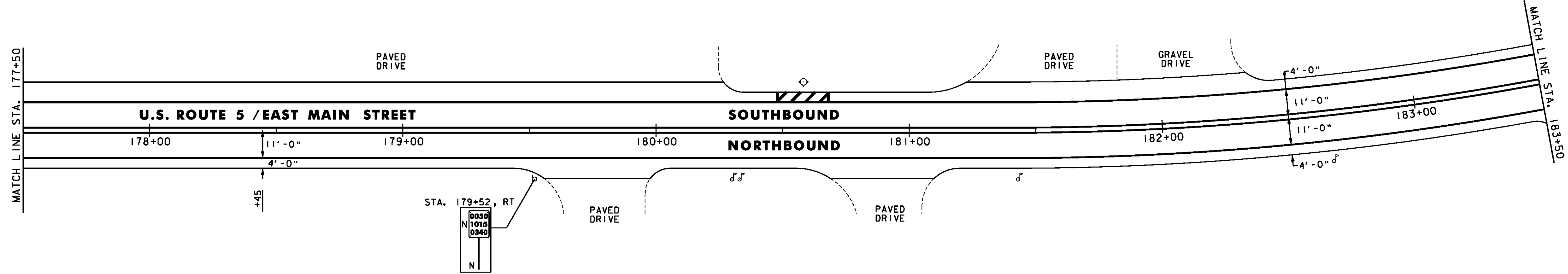
TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 172+50 TO 177+50, SOLID LT & RT
TEMPORARY 8 INCH WHITE LINE, PAINT
 STA. 176+22 TO 176+42, LT (HYDRANT)
TEMPORARY LETTER OR SYMBOL, PAINT
 STA. 174+00, RT (ARROW) (IN ACCORDANCE WITH THE 2009 MUTCD)

REMOVING SIGNS
 AS SHOWN - 6



DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 STA. 177+50 TO 183+50, SOLID LT & RT
DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 177+50 TO 183+50, SOLID LT & RT
DURABLE 8 INCH WHITE LINE
 STA. 180+48 TO 180+68, LT (HYDRANT)

TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADI1 FOR SIDE ROADS)
 STA. 177+50 TO 183+50, SOLID LT & RT
TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 177+50 TO 183+50, SOLID LT & RT
TEMPORARY 8 INCH WHITE LINE, PAINT
 STA. 180+48 TO 180+68, LT (HYDRANT)



NOTES:
 1. FOR LEGEND, SEE SHEET #18.
 2. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

NOT TO SCALE

PROJECT LAYOUT SHEET #29	PROJECT NAME: NEWPORT CITY	PLOT DATE: 3/6/2012
	PROJECT NUMBER: STP 2704(I)	DRAWN BY: STANTEC
	FILE NAME: p07d196.dgn PROJECT LEADER: JLL DESIGNED BY: STANTEC IPARM FILE: p07d196129.i	CHECKED BY: STANTEC SHEET 47 OF 91



DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADIUS FOR SIDE ROADS)
 STA. 183+50 TO 189+50, SOLID LT & RT

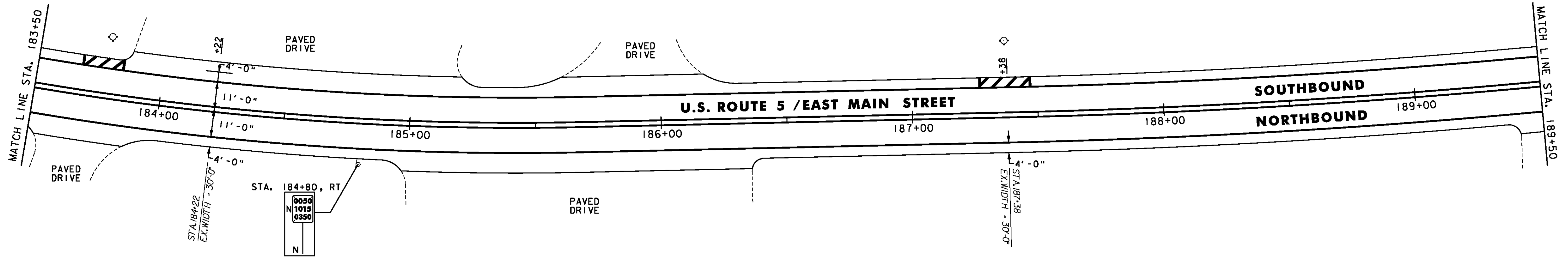
TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADIUS FOR SIDE ROADS)
 STA. 183+50 TO 189+50, SOLID LT & RT

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 183+50 TO 189+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 183+50 TO 189+50, SOLID LT & RT

DURABLE 8 INCH WHITE LINE
 STA. 183+68 TO 183+84, LT (HYDRANT)
 STA. 187+27 TO 187+47, LT (HYDRANT)

TEMPORARY 8 INCH WHITE LINE, PAINT
 STA. 183+68 TO 183+84, LT (HYDRANT)
 STA. 187+27 TO 187+47, LT (HYDRANT)



RELOCATE MAILBOX, SINGLE SUPPORT
 STA. 193+01, RT

ANCHOR FOR STEEL BEAM RAIL
 STA. 192+65, RT
 STA. 194+77.5, RT

DURABLE 4 INCH WHITE LINE
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADIUS FOR SIDE ROADS)
 STA. 189+50 TO 195+50, SOLID LT & RT

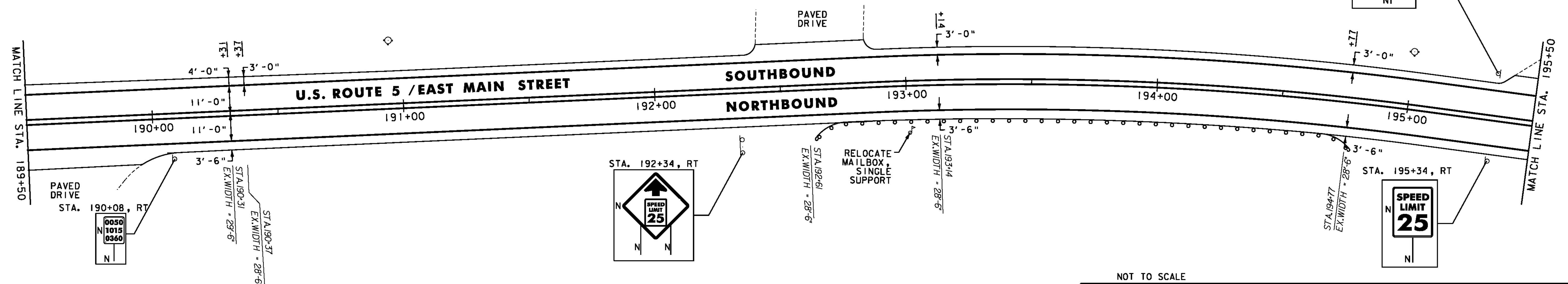
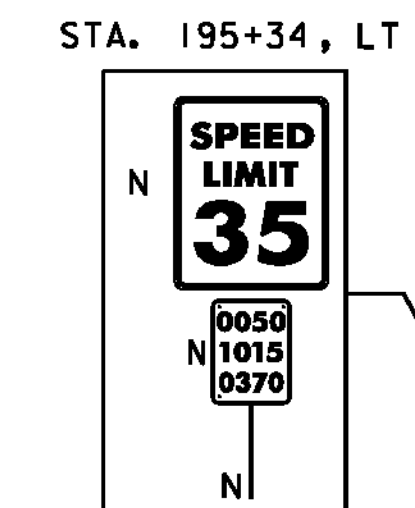
TEMPORARY 4 INCH WHITE LINE, PAINT
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS
 AND RADIUS FOR SIDE ROADS)
 STA. 189+50 TO 195+50, SOLID LT & RT

**STEEL BEAM GUARDRAIL, GALVANIZED
 W/8 FEET POSTS**
 STA. 192+65 TO 194+77.5, RT

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA. 192+65 TO 194+77.5, RT

DURABLE 4 INCH YELLOW LINE
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 189+50 TO 195+50, SOLID LT & RT

TEMPORARY 4 INCH YELLOW LINE, PAINT
 (ALL LINES WILL INCLUDE C BREAKS FOR SIDE ROADS)
 STA. 189+50 TO 195+50, SOLID LT & RT



- NOTES:
- FOR LEGEND, SEE SHEET #18.
 - ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED.

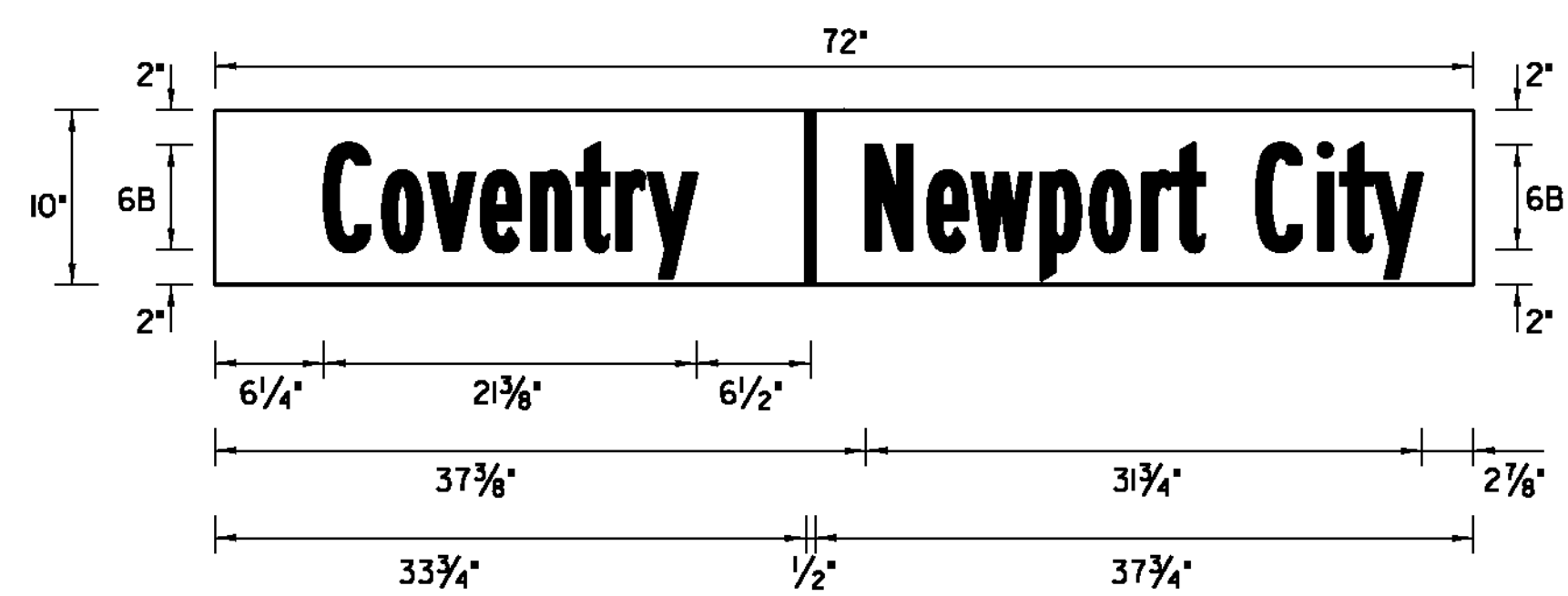
NOT TO SCALE

PROJECT LAYOUT SHEET #30



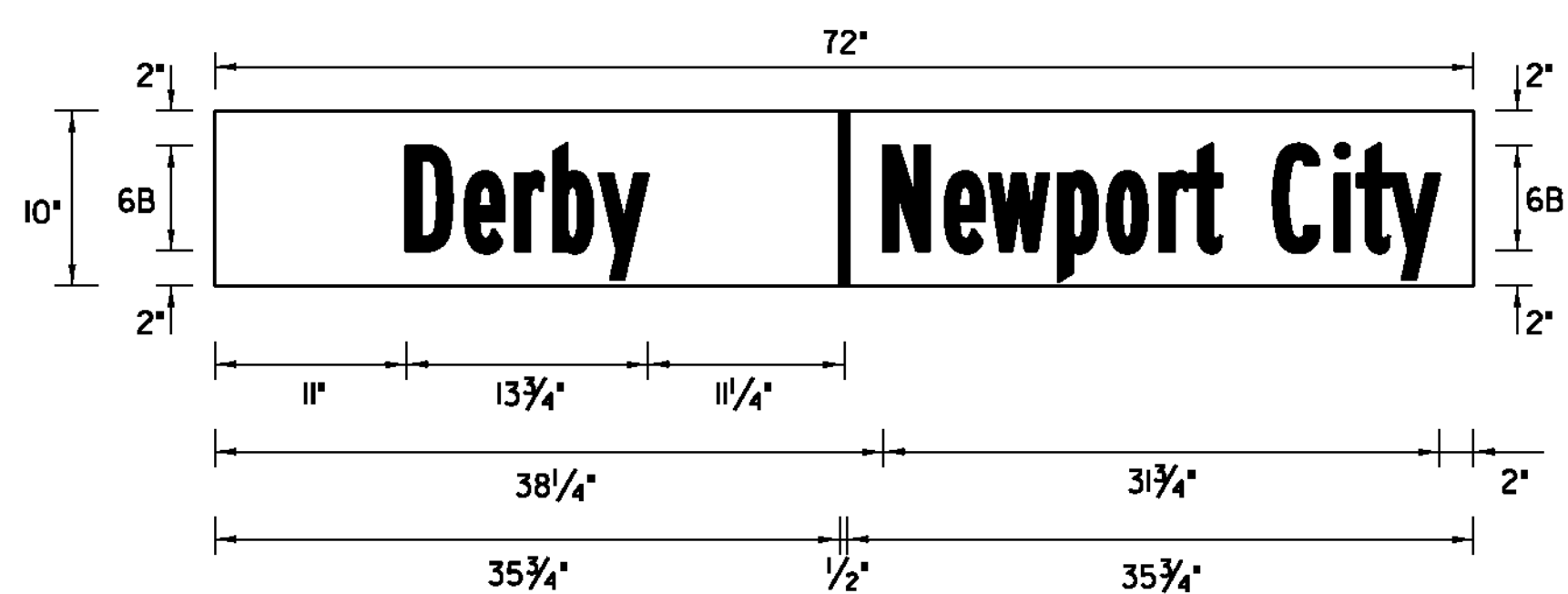
PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)
 FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d196130.i

PLOT DATE: 3/6/2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 48 OF 91



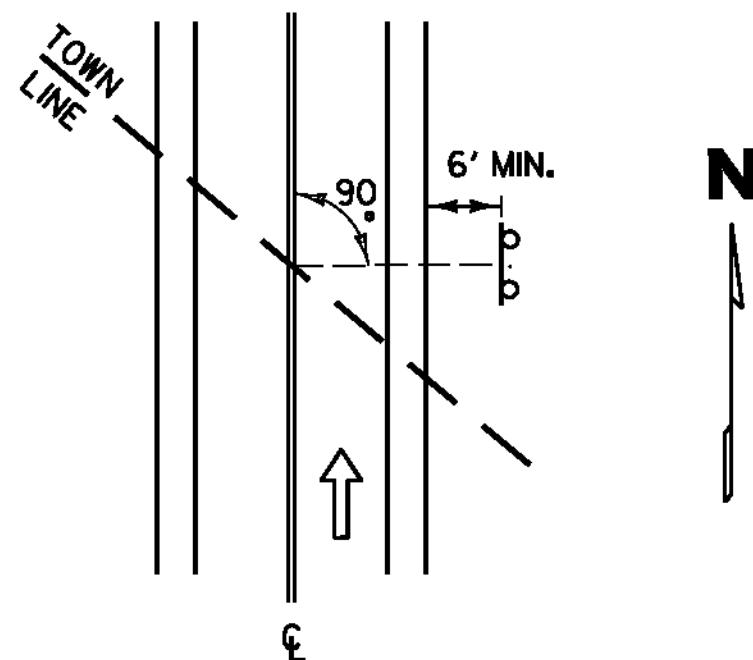
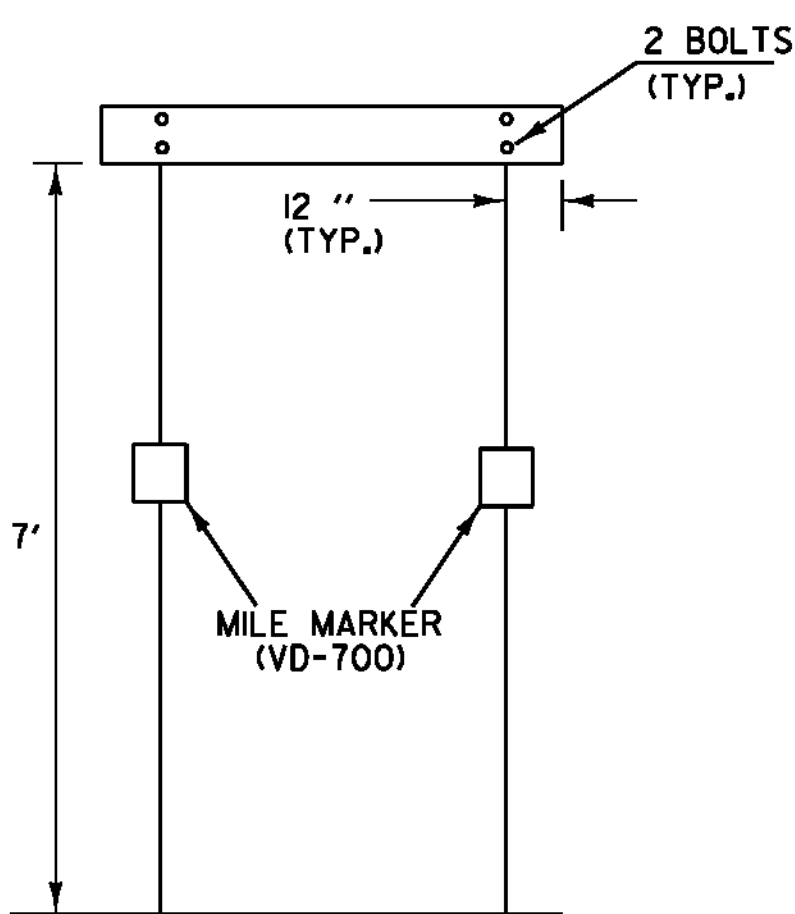
LOCATION: NEWPORT CITY STA. 0+00, LT.

COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)



LOCATION: STA. 205+33.92, RT

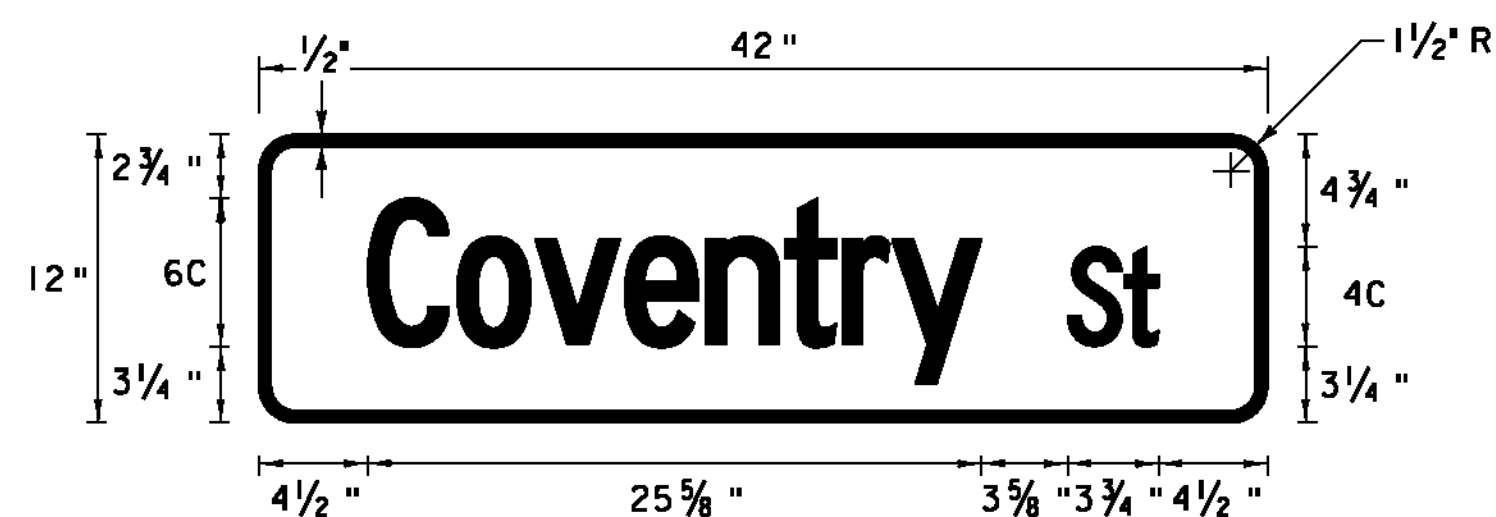
COLOR: WHITE DIVIDER & TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)



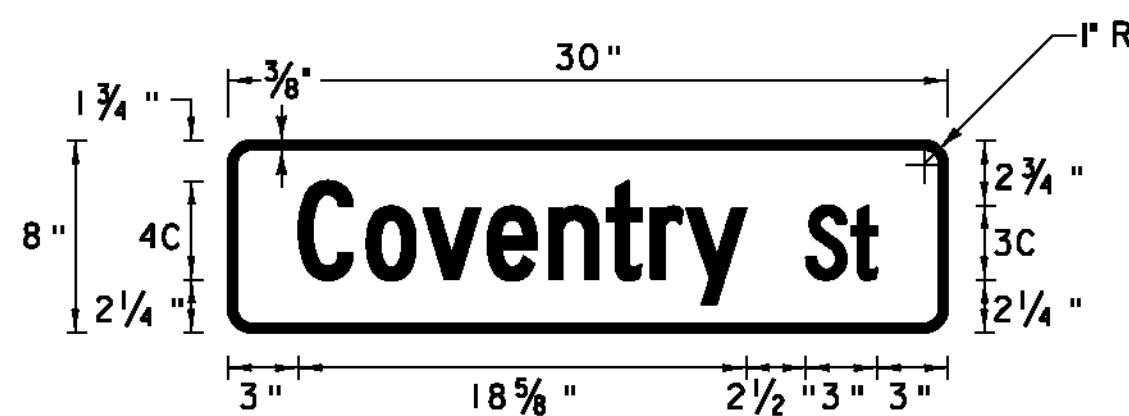
THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.

TOWN LINE SIGN NOTES:

- WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENTS.
- DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.
- ALL DIMENSIONS ARE IN INCHES EXCEPT WHERE NOTED.
- THE SIGN BASE MATERIAL SHALL BE HIGH DENSITY OVERLAID PLYWOOD 5/8 INCH THICK OR ALUMINUM SHEETING 0.125" MINIMUM THICKNESS. THE RETROREFLECTIVE MATERIAL SHALL BE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE LEGEND SHALL BE CUT-OUT RETROREFLECTIVE LEGEND. ALL RETROREFLECTIVE MATERIAL SHALL BE EQUAL TO OR EXCEEDING THE "THE AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM) TYPE III.
- SIGNS SHALL HAVE A RETROREFLECTIVE WHITE LEGEND ON A RETROREFLECTIVE GREEN BACKGROUND.
- LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL JOINT COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.



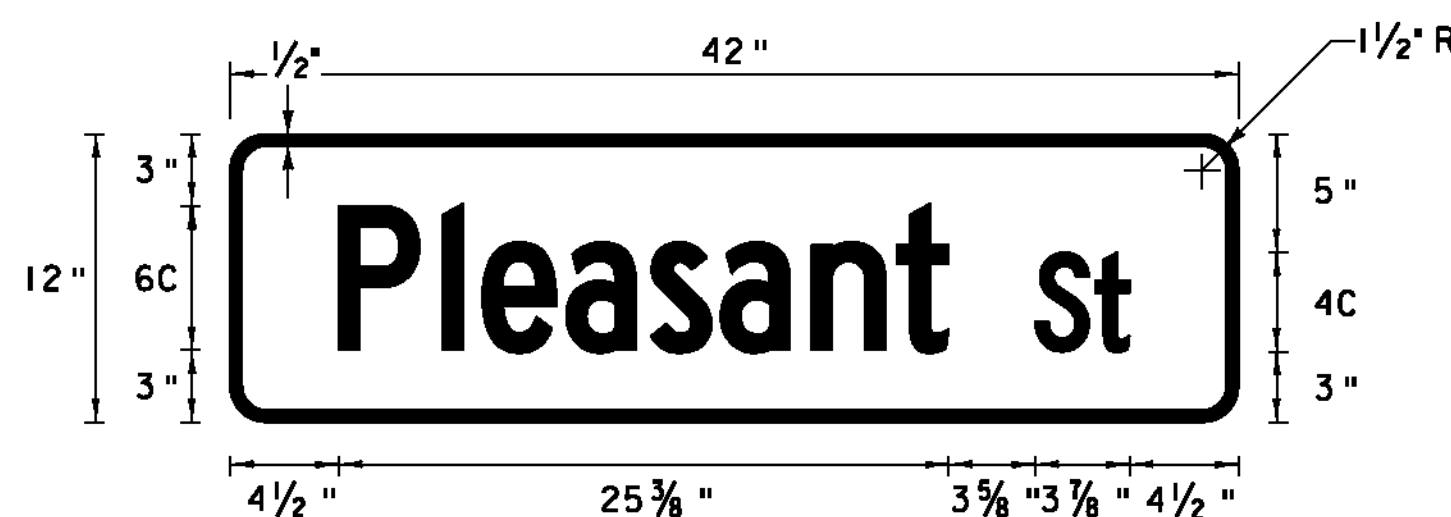
LOCATION: STA. 1+10, RT
STA. 16+91, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



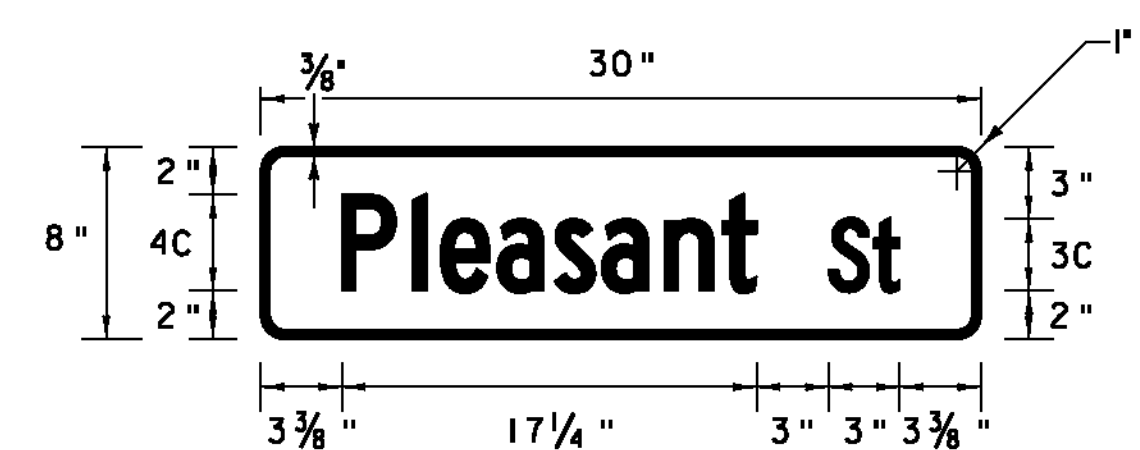
LOCATION: STA. 80+24, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



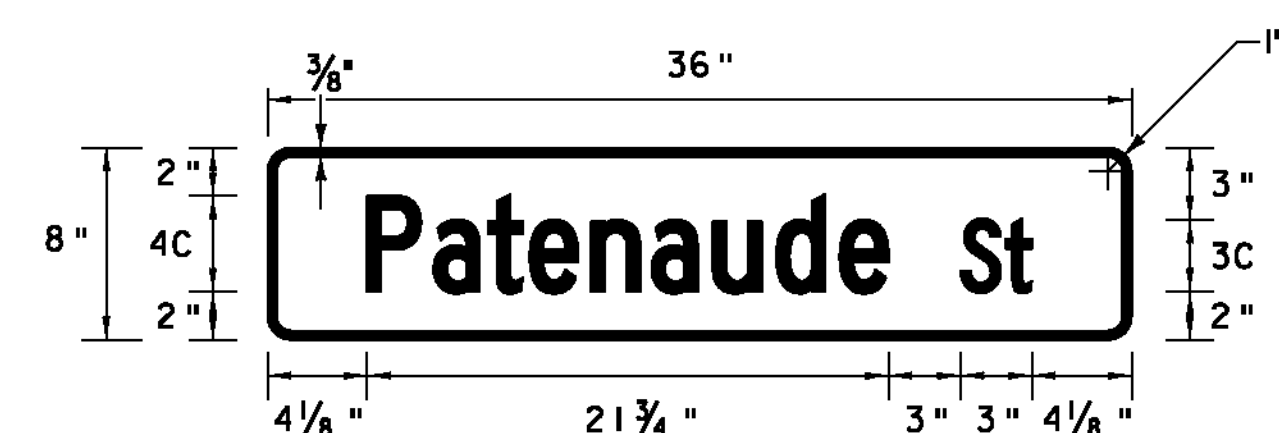
LOCATION: STA. 1+10, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



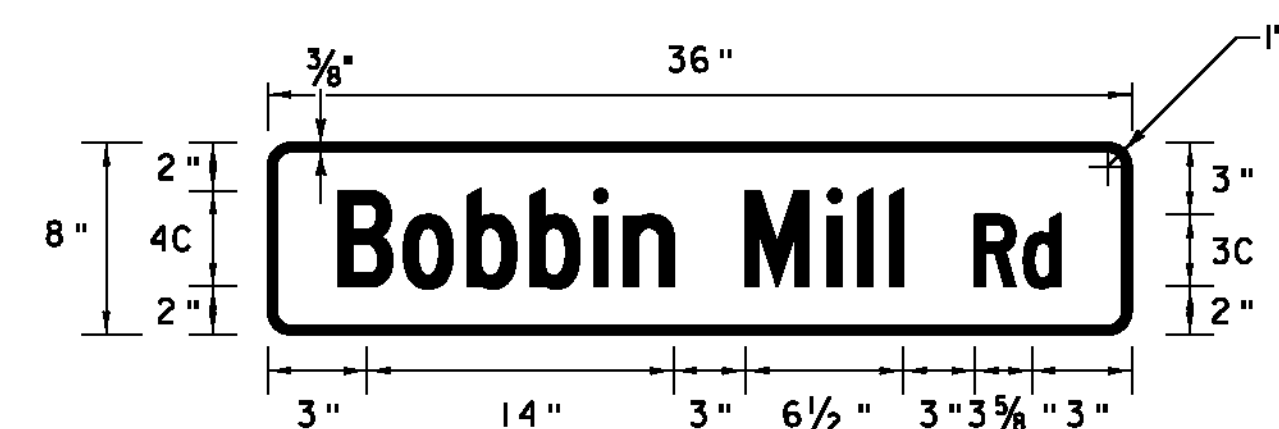
LOCATION: STA. 16+91, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



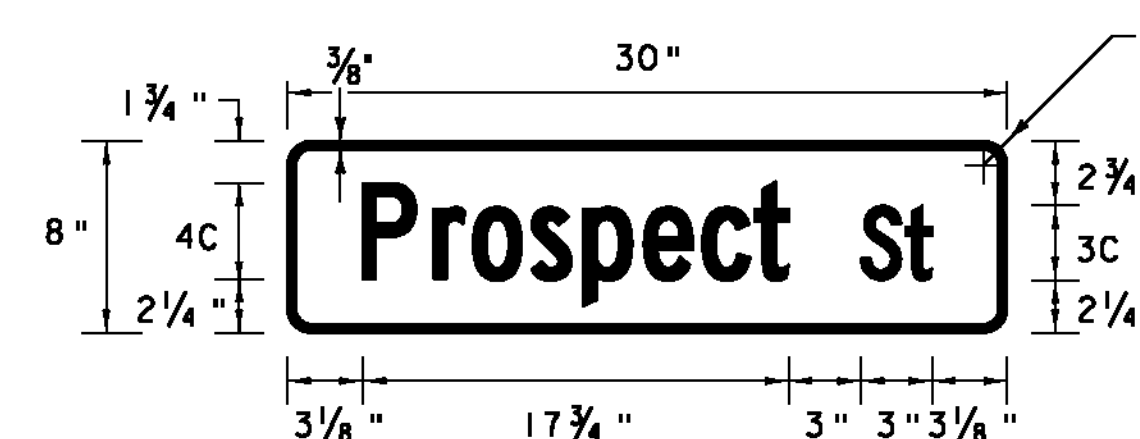
LOCATION: STA. 22+00, LT
STA. 40+13, LT
STA. 45+69, RT
STA. 50+13, RT
STA. 62+95, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 22+00, LT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 40+13, LT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 50+13, RT
COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
GREEN BACKGROUND (RETROREFLECTIVE)
MATERIAL: 0.08" FLAT SHEET ALUMINUM

NOT TO SCALE

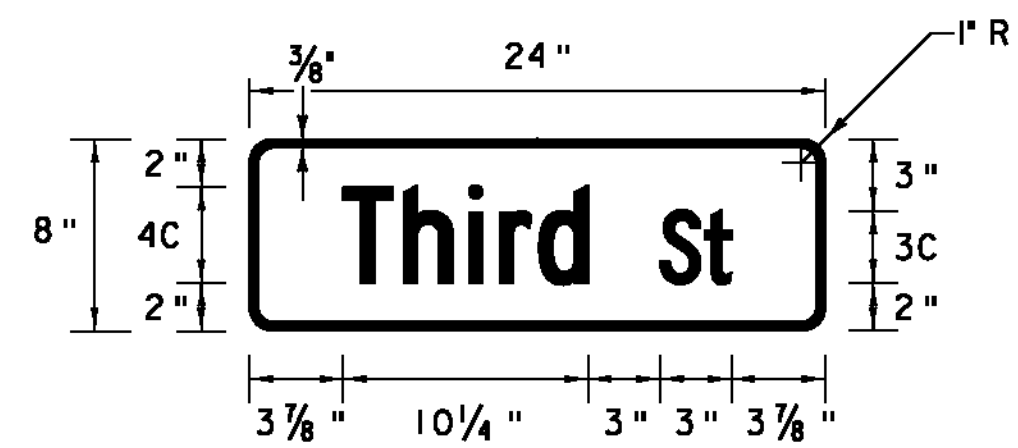
TRAFFIC SIGN DETAIL SHEET #2

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(I)

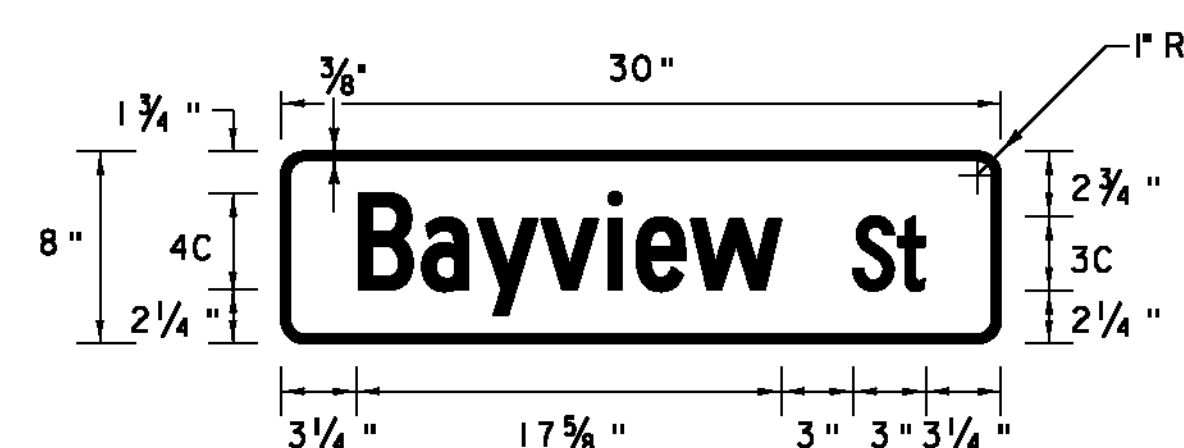
FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196tsds02.i

PLOT DATE: 3/6/2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 83 OF 91

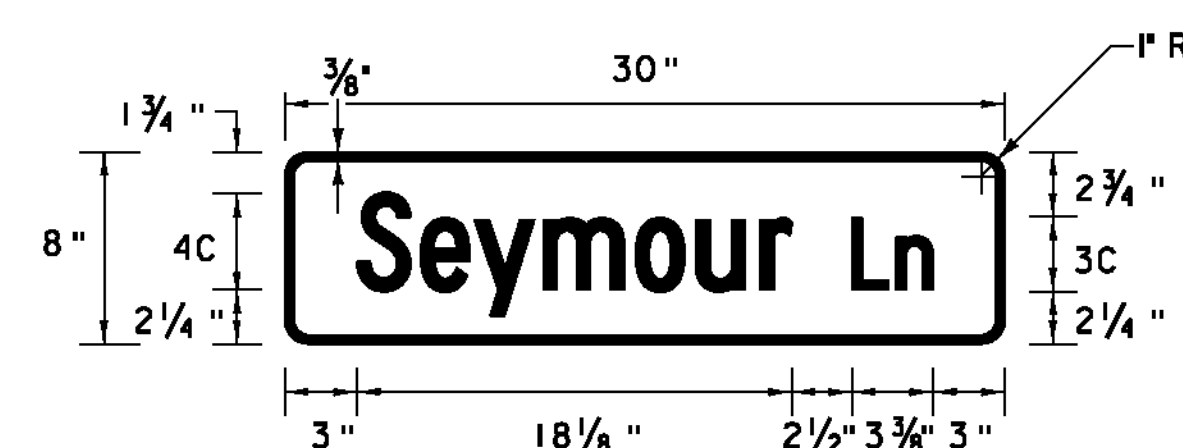




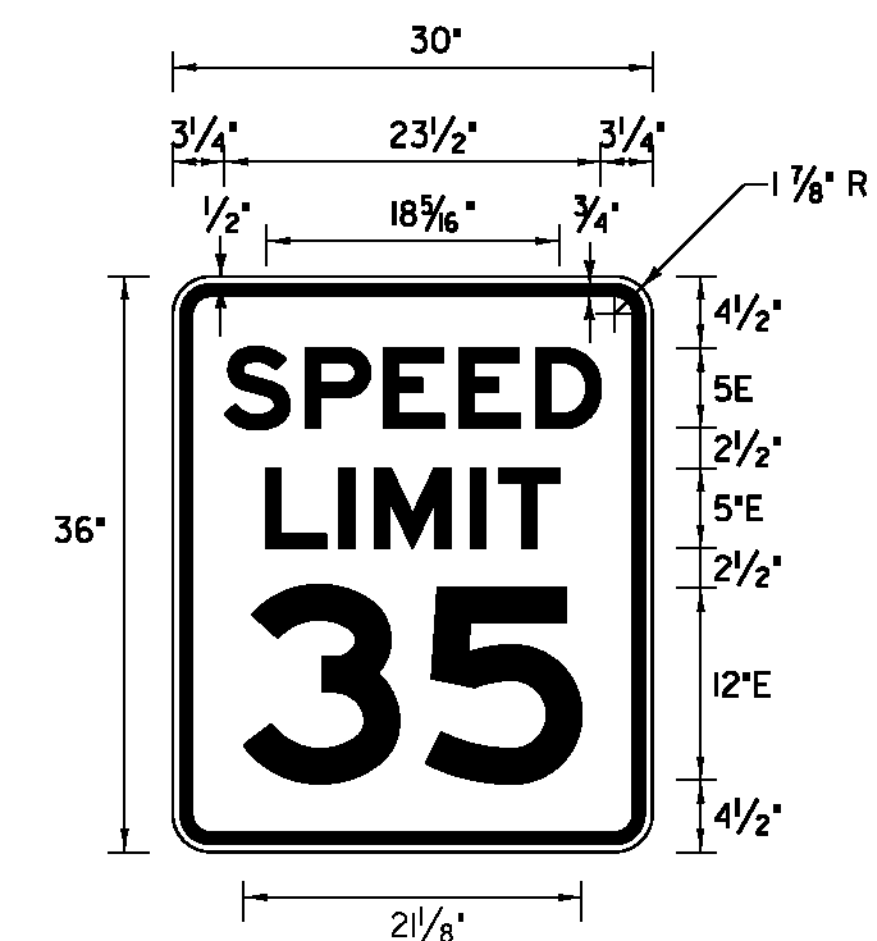
LOCATION: STA. 63+39, RT
 STA. 65+01, RT
 STA. 68+36, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



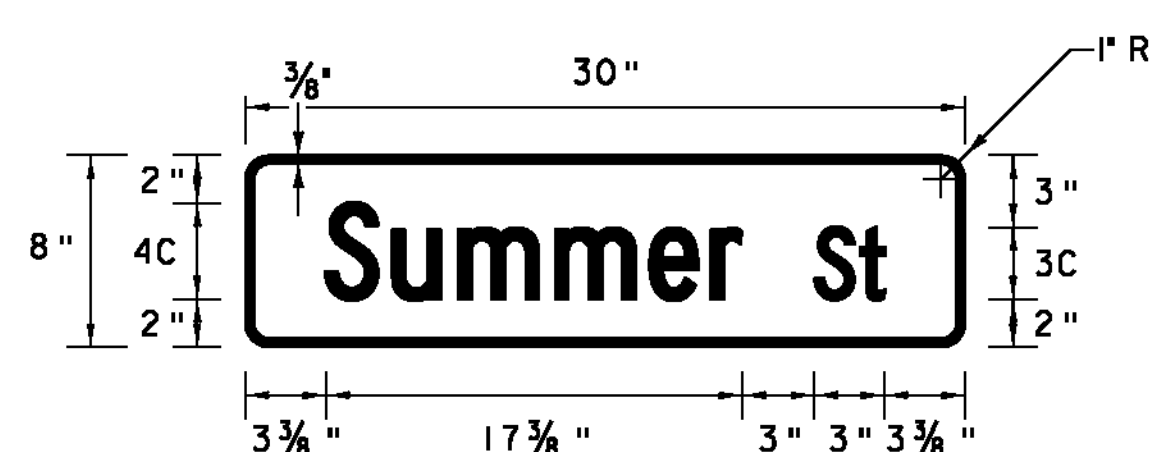
LOCATION: STA. 71+23, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



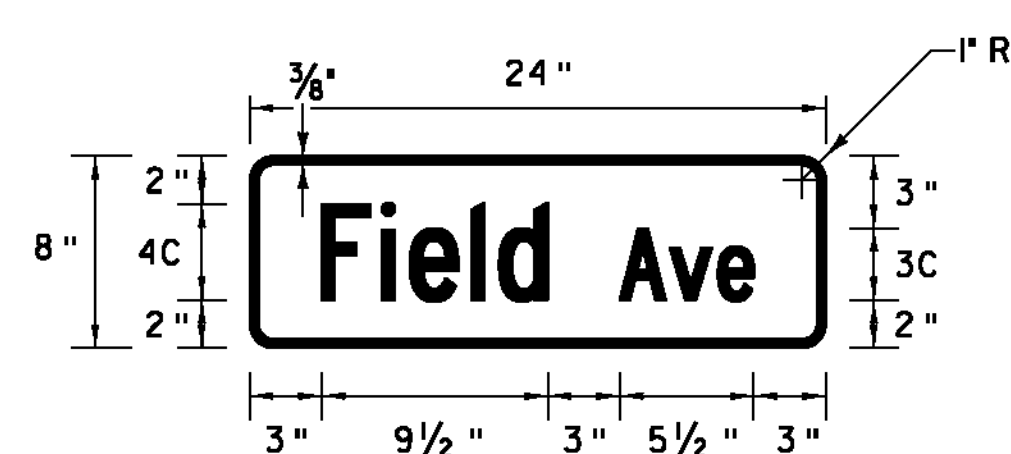
LOCATION: STA. 77+69, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



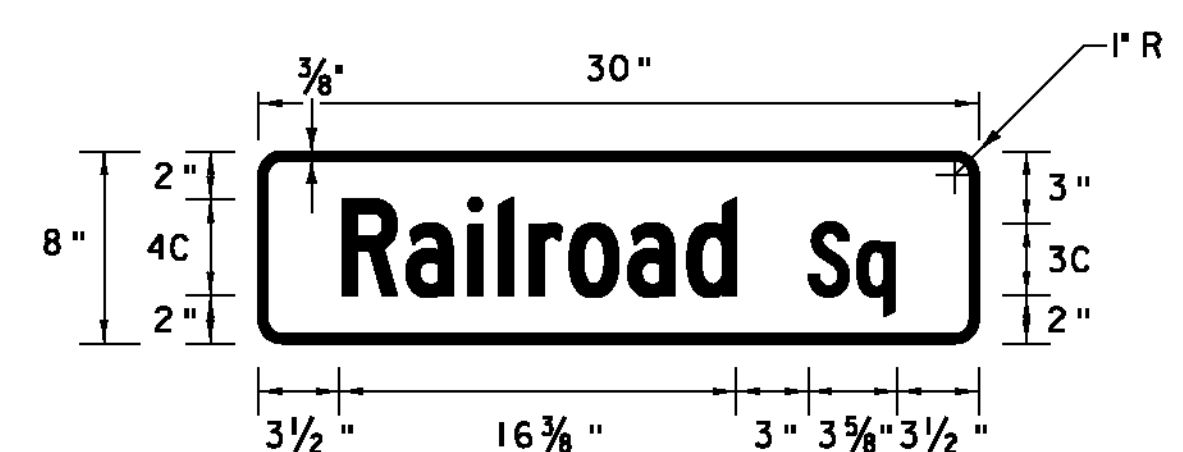
LOCATION: STA. 1+75, RT.
 COLOR: BLACK BORDER & TEXT
 WHITE BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



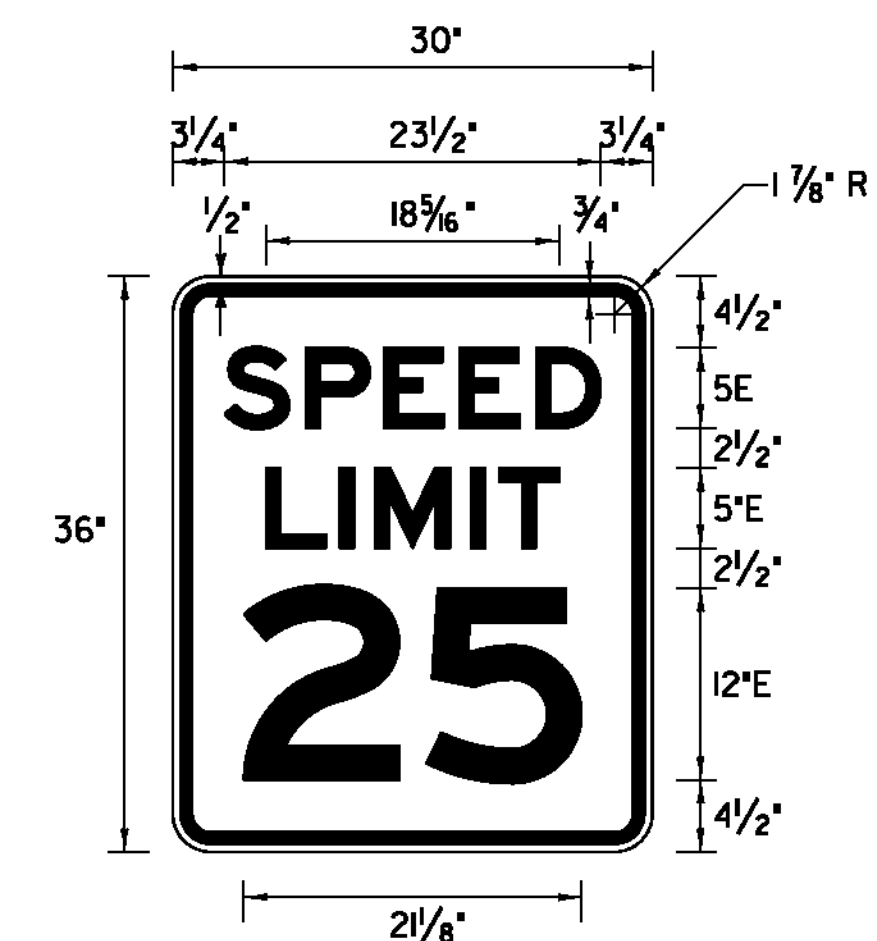
LOCATION: STA. 65+01, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



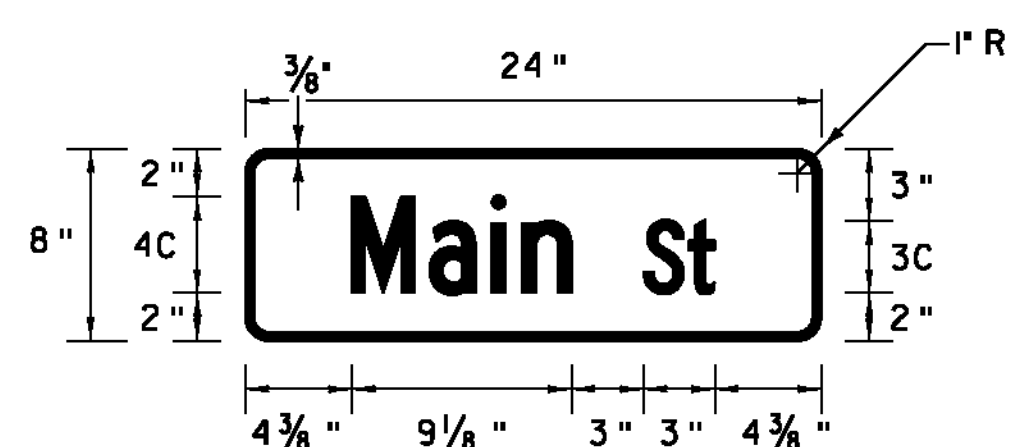
LOCATION: STA. 73+45, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



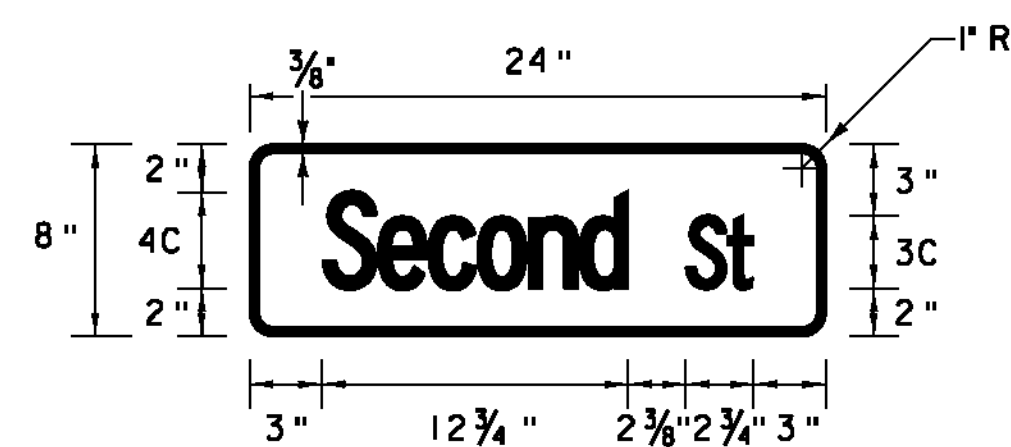
LOCATION: STA. 85+87, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



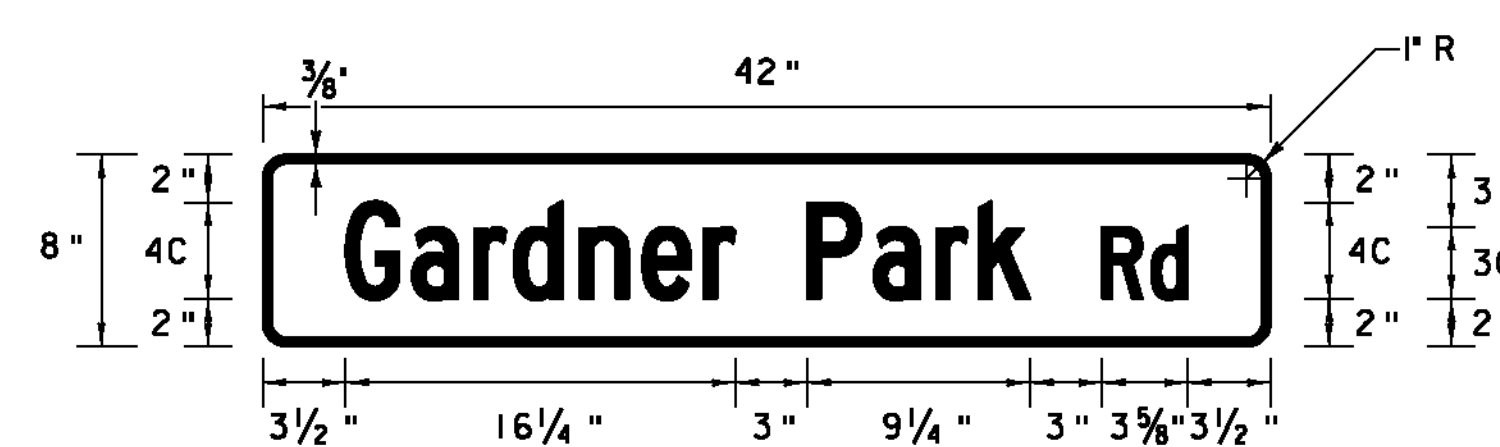
LOCATION: STA. 16+97, RT.
 COLOR: BLACK BORDER & TEXT
 WHITE BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



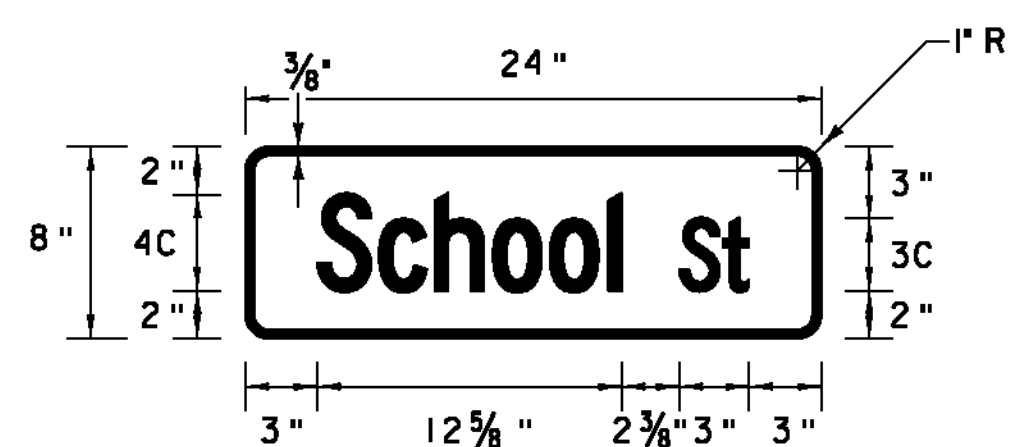
LOCATION: STA. 68+50, LT
 STA. 71+23, LT
 STA. 73+45, LT
 STA. 73+91, RT
 STA. 76+85, RT
 STA. 77+69, LT
 STA. 80+24, RT
 STA. 85+87, RT
 STA. 96+36, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



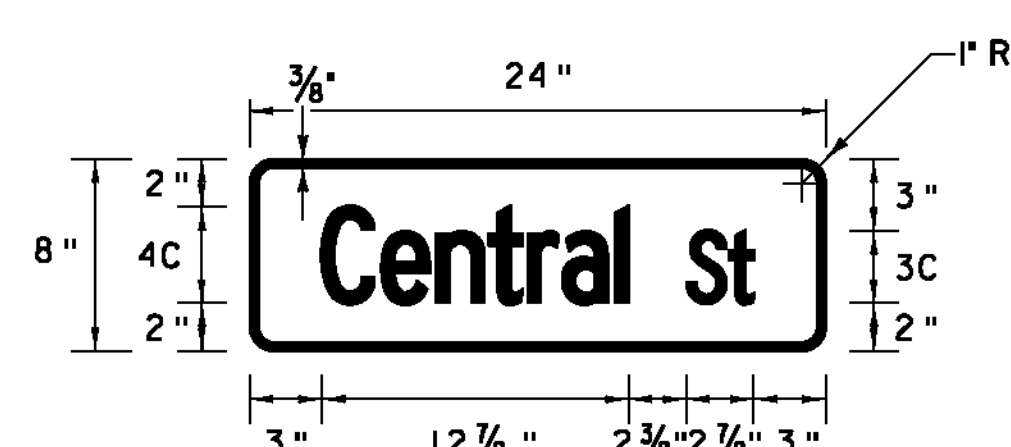
LOCATION: STA. 73+91, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



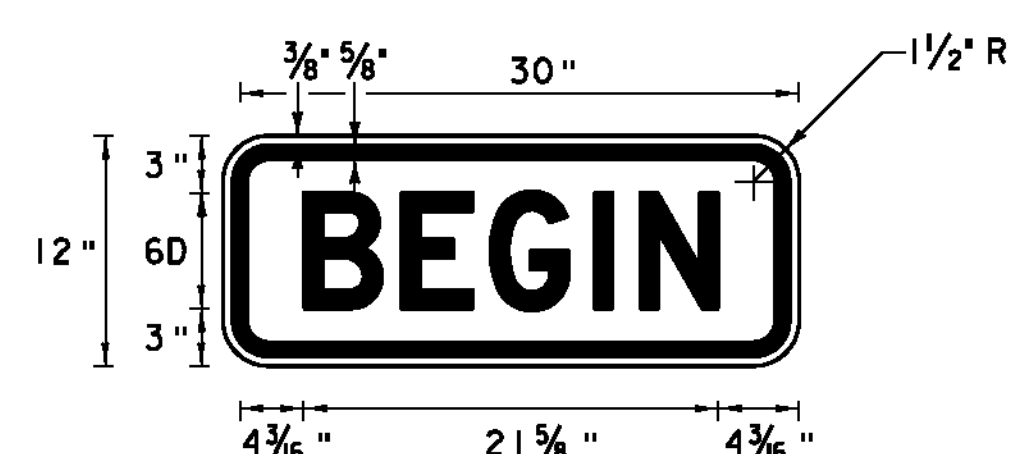
LOCATION: STA. 96+36, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



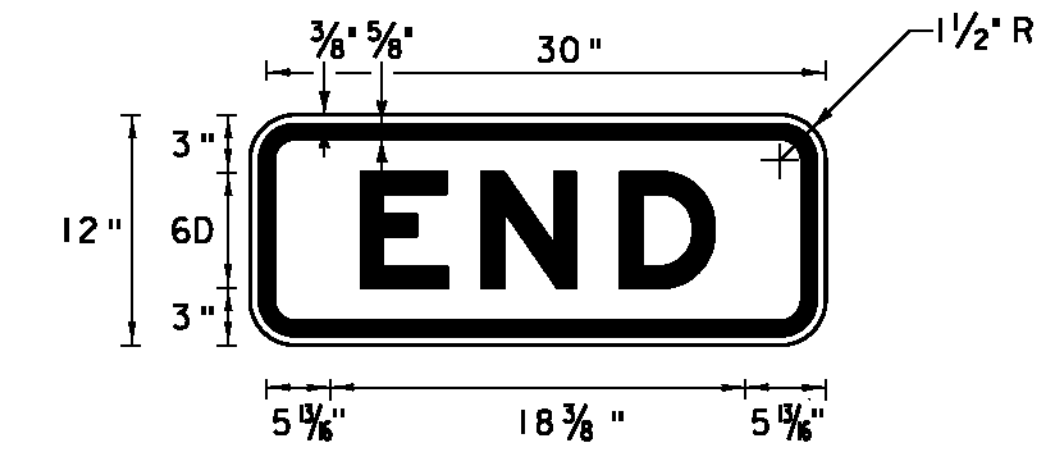
LOCATION: STA. 68+95, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 76+85, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 64+25, RT
 STA. 118+78, LT
 COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
 WHITE BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 66+87, RT
 COLOR: BLACK BORDER AND TEXT (RETROREFLECTIVE)
 WHITE BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM

NOT TO SCALE

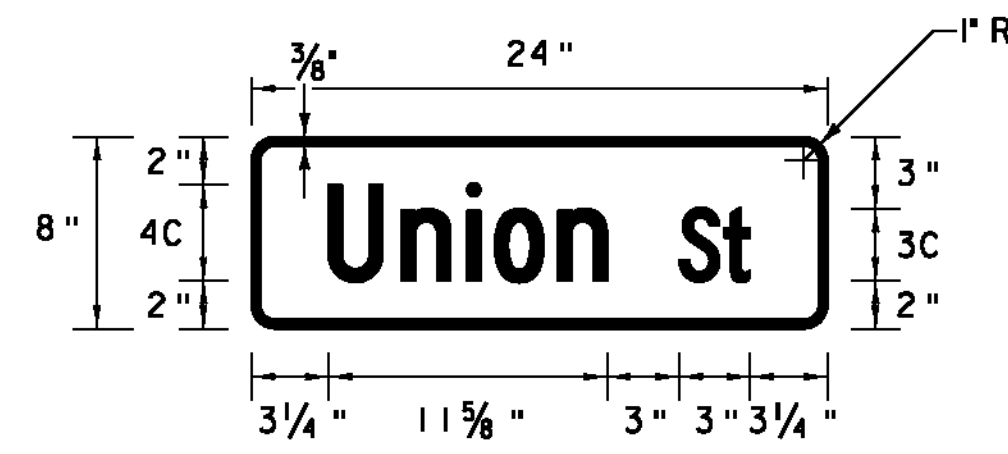
**TRAFFIC
 SIGN
 DETAIL
 SHEET #3**

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)

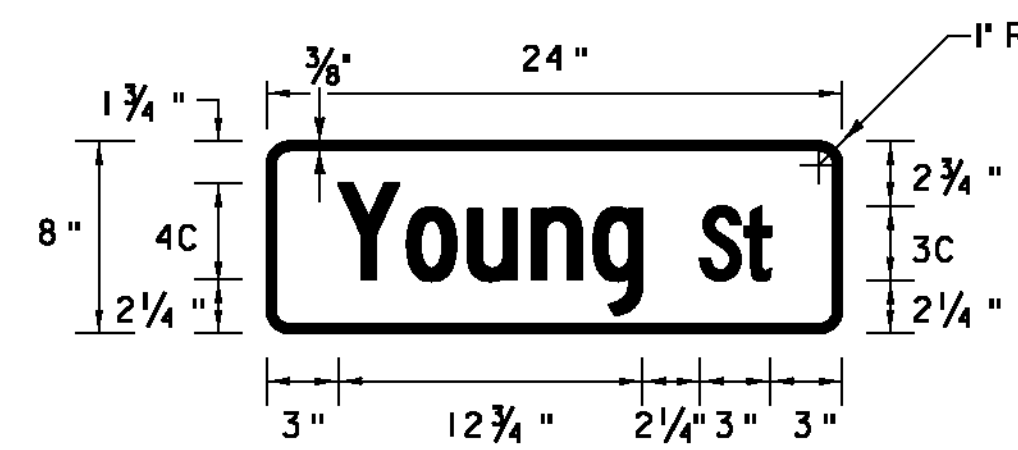
FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d1961sds03.i

PLOT DATE: 3/6/2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 84 OF 91

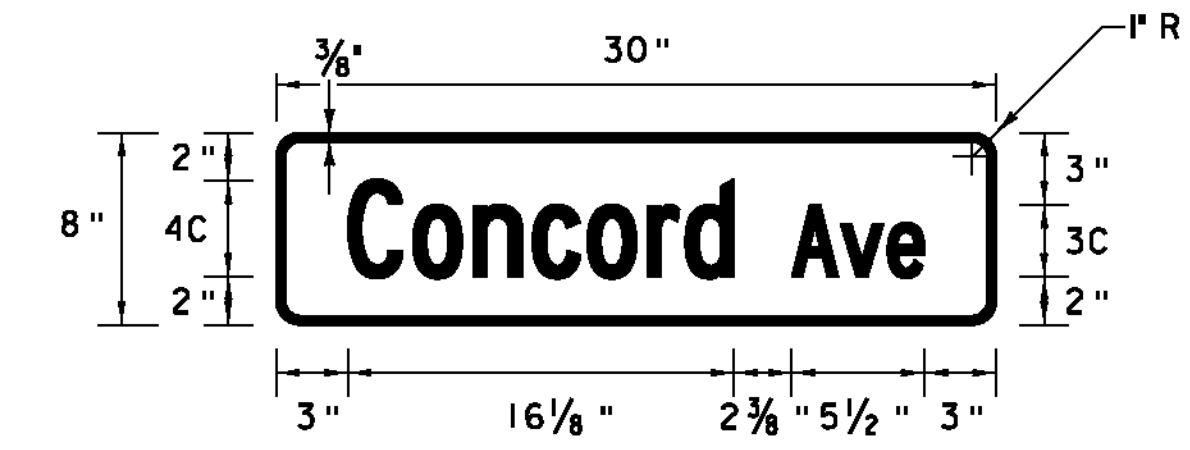




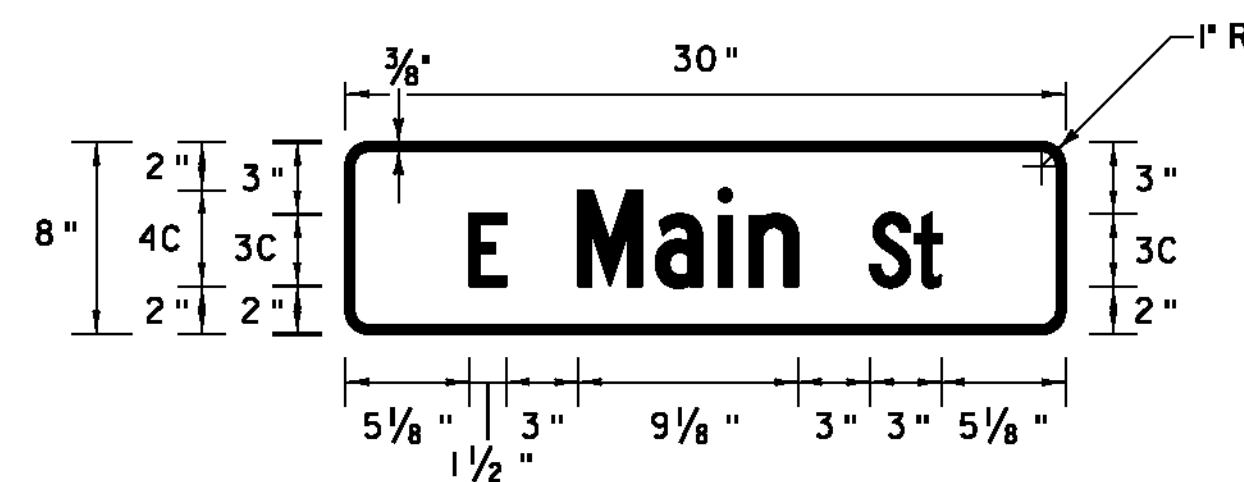
LOCATION: STA. 108+33, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



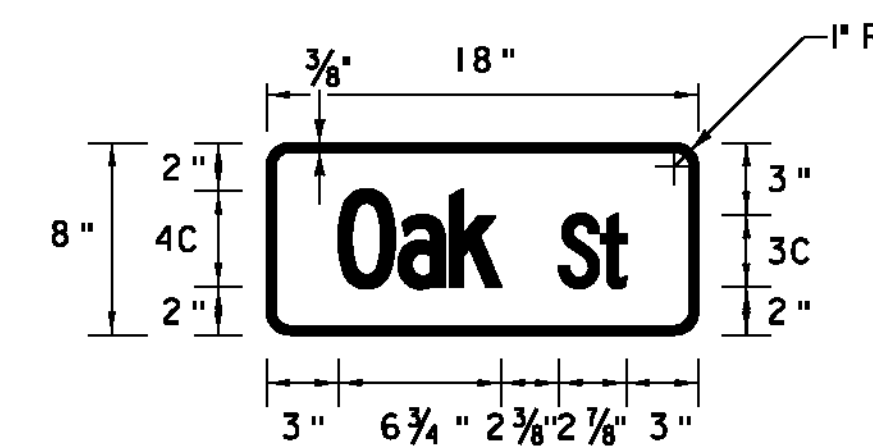
LOCATION: STA. 118+81, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



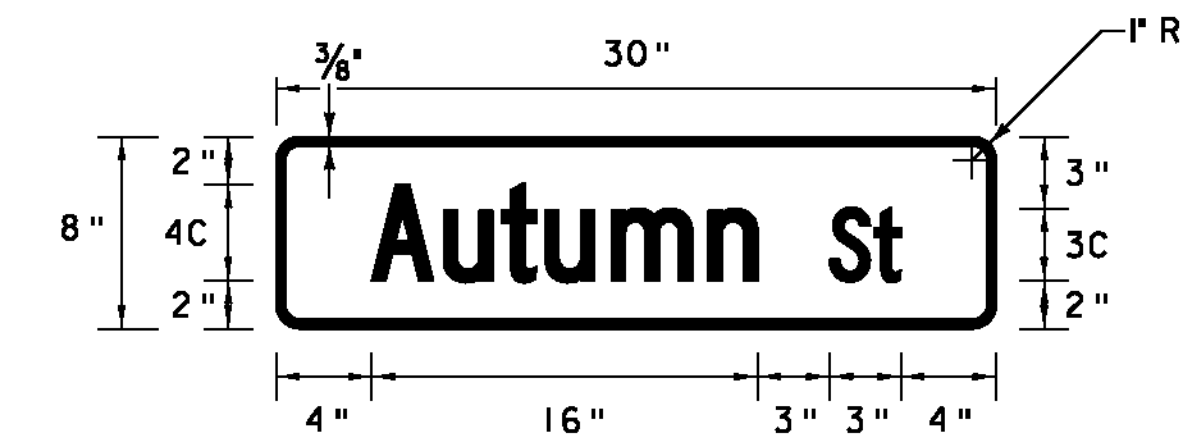
LOCATION: STA. 127+40, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



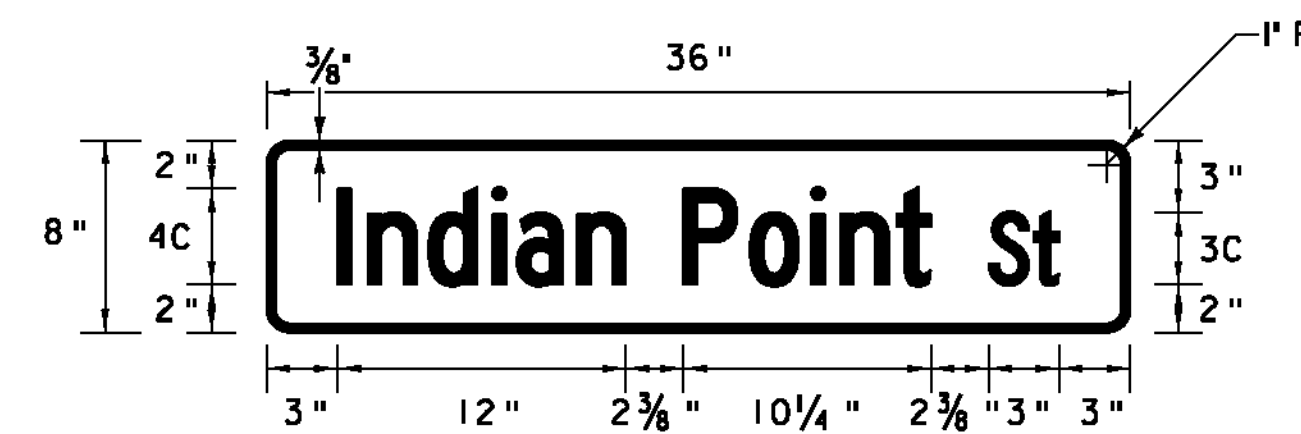
LOCATION: STA. 108+90, LT
 STA. 114+33, LT
 STA. 115+92, LT
 STA. 118+81, LT
 STA. 122+43, LT
 STA. 124+79, LT
 STA. 126+33, RT
 STA. 127+40, LT
 STA. 129+61, RT
 STA. 135+16, RT
 STA. 135+25, LT
 STA. 141+17, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



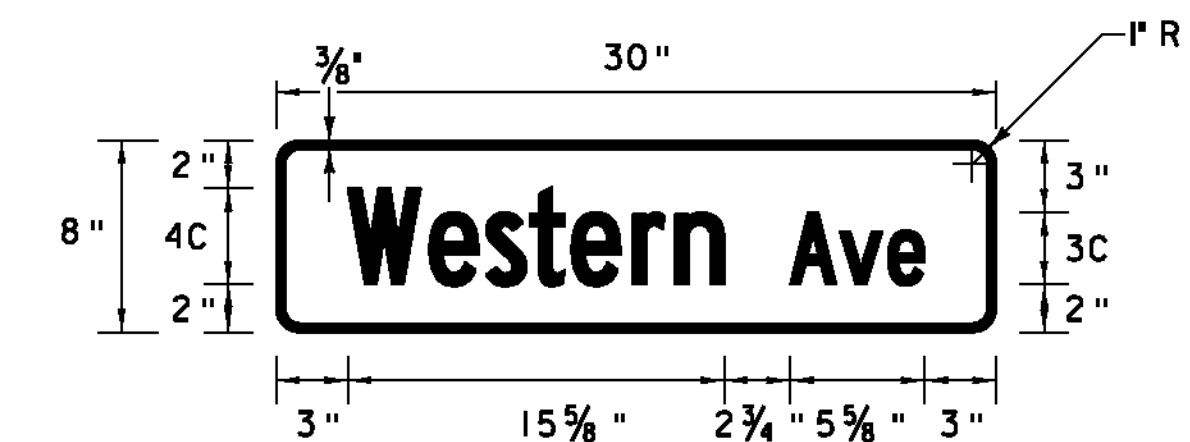
LOCATION: STA. 122+43, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



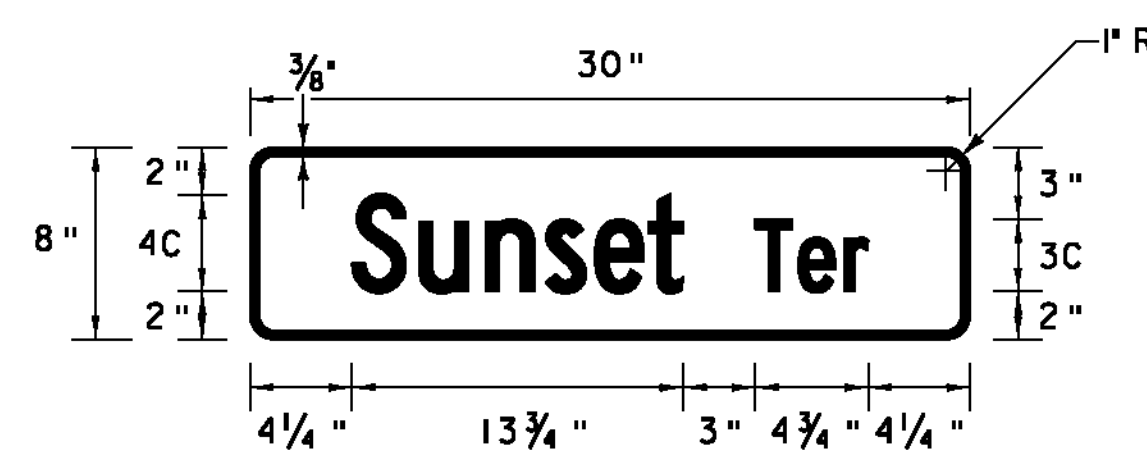
LOCATION: STA. 129+61, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



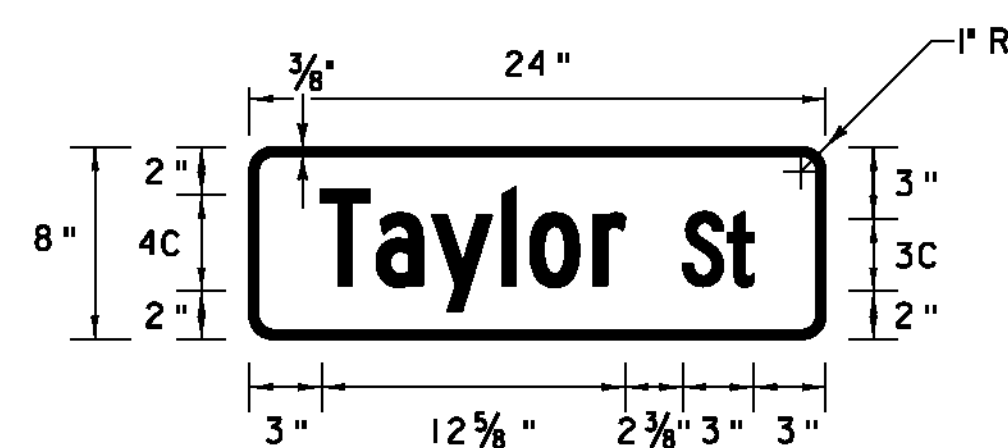
LOCATION: STA. 124+79, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



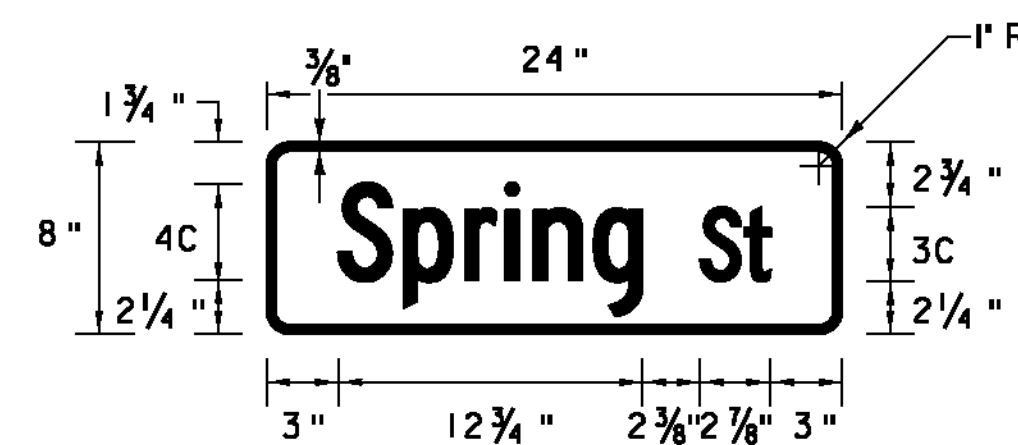
LOCATION: STA. 135+16, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 114+33, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 115+92, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 126+33, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM

NOT TO SCALE

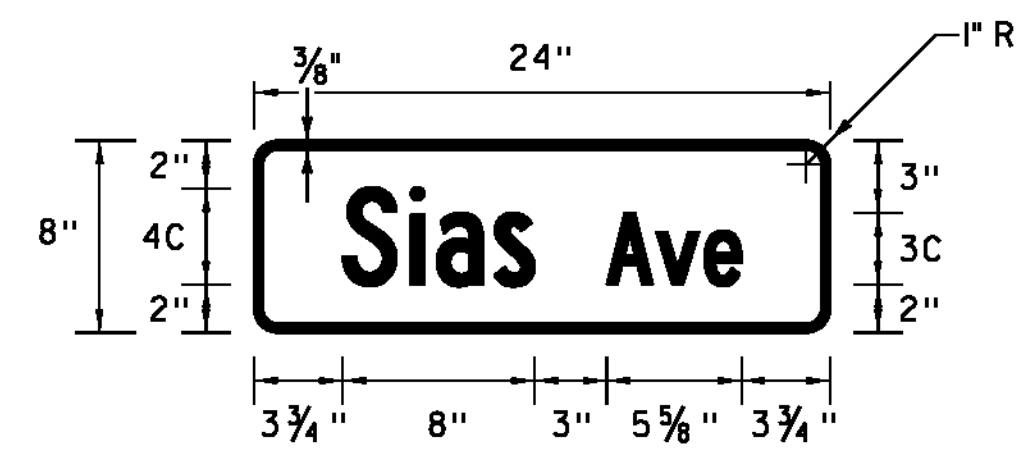
**TRAFFIC
 SIGN
 DETAIL
 SHEET #4**

PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)

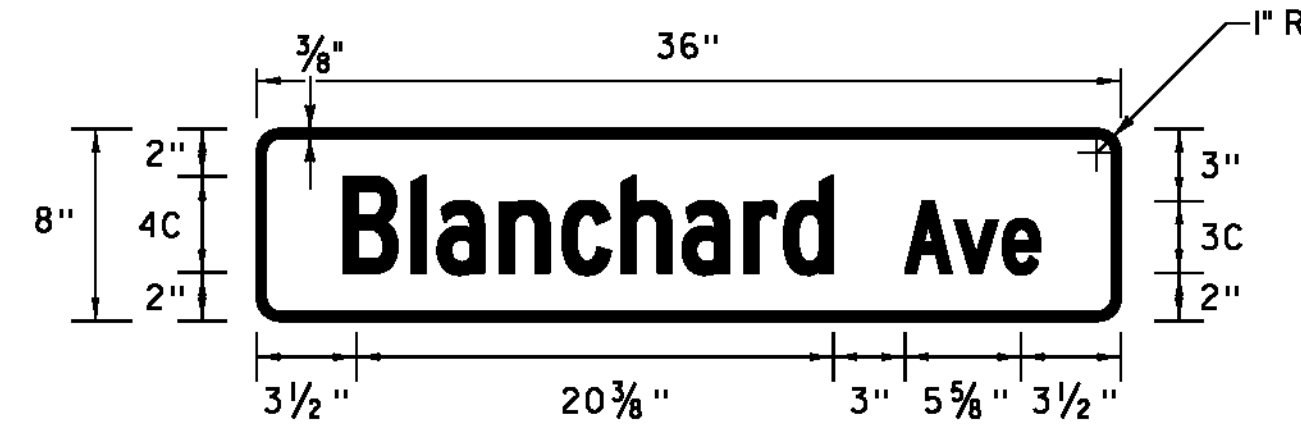
FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d1961sds04.i

PLOT DATE: 3/6/2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 85 OF 91

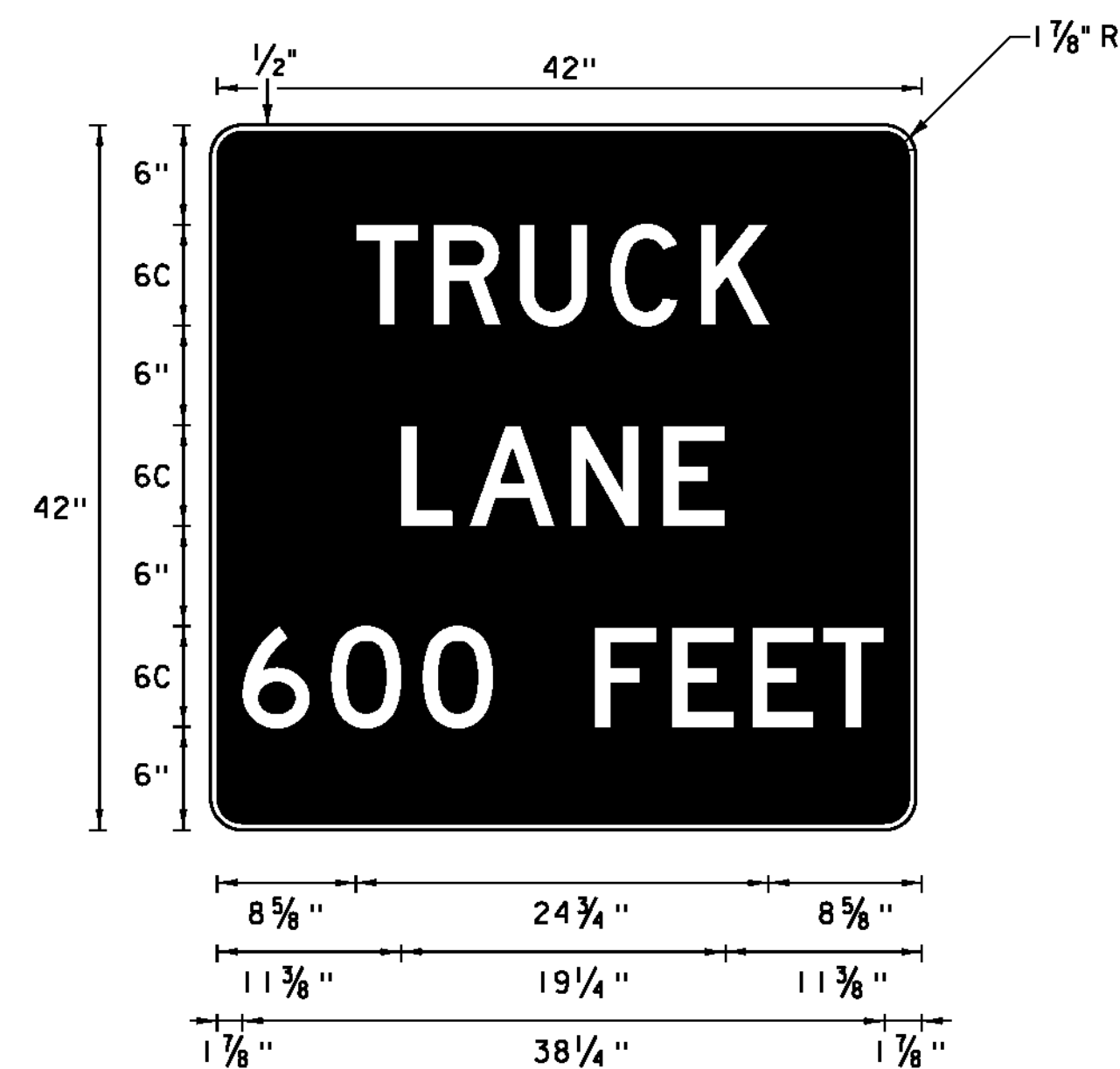




LOCATION: STA. 135+25, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM

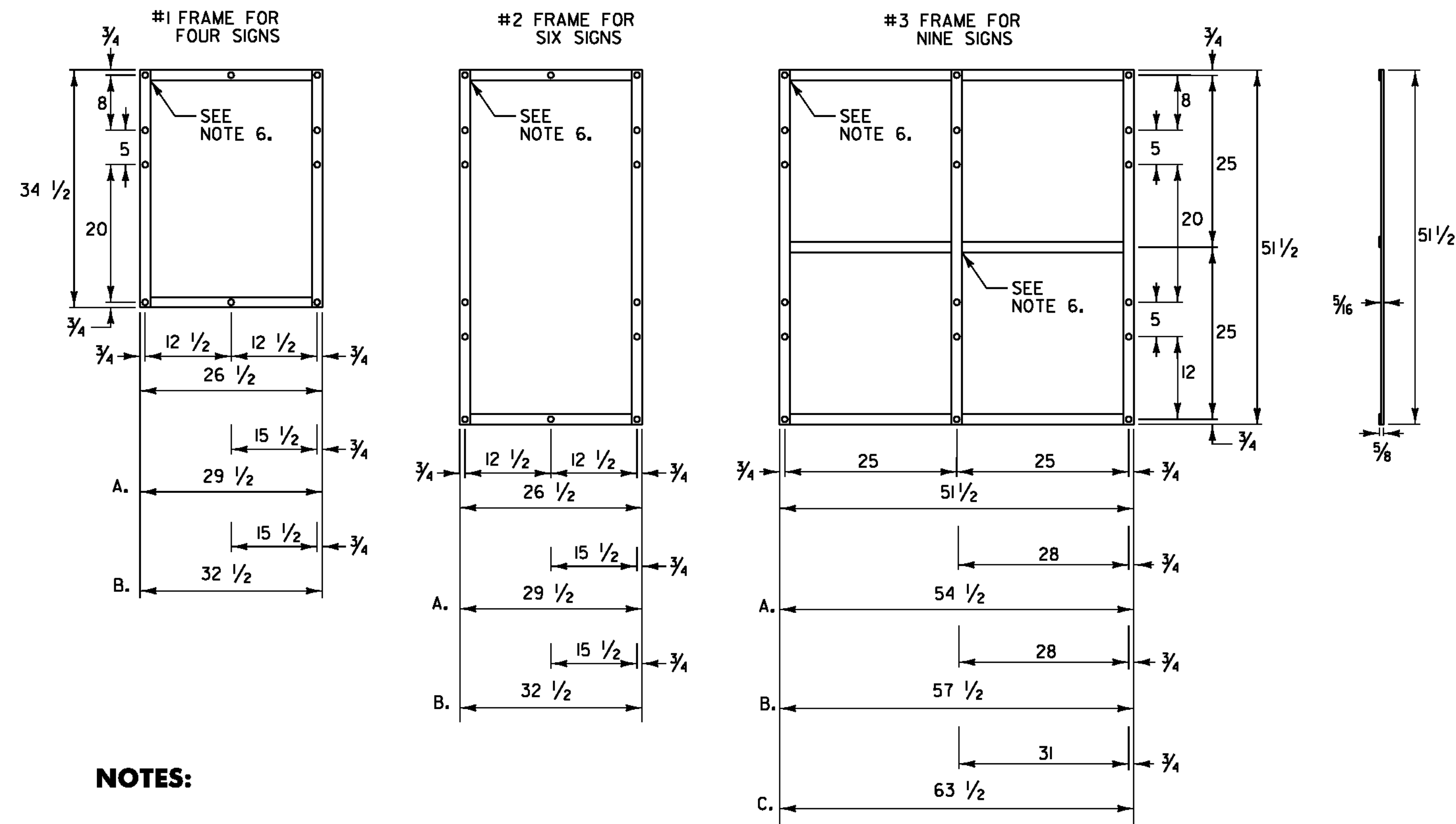


LOCATION: STA. 141+17, LT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.08" FLAT SHEET ALUMINUM



LOCATION: STA. 137+88, RT
 COLOR: WHITE BORDER AND TEXT (RETROREFLECTIVE)
 GREEN BACKGROUND (RETROREFLECTIVE)
 MATERIAL: 0.100" FLAT SHEET ALUMINUM

ROUTE MARKER ASSEMBLY FRAMES



NOTES:

- NOTES FOR #1 AND #2 FRAME:
 - WITH ONE 30 INCH THREE DIGIT SIGN
 - WITH TWO 30 INCH THREE DIGIT SIGNS
- NOTES FOR #3 FRAME:
 - WITH ONE 30 INCH THREE DIGIT SIGN IN AN OUTSIDE POSITION.
 - WITH ONE 30 INCH THREE DIGIT SIGN IN THE CENTER POSITION OR TWO SUCH SIGNS IN THE OUTSIDE POSITIONS.
 - 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.

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 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.
- ALL SHEETING SHALL BE ASTM TYPE III MINIMUM.
- ALL STREET SIGNS ARE TWO-SIDED UNLESS NOTED OTHERWISE.
- 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"	48" X 18"	36" X 15"	42" X 12"	48" X 12"	48" X 18"	48" X 24"	48" X 30"	48" X 42"	48" X 48"	48" X 60"
THICKNESS	0.060"	0.080"	0.100"	0.125"								

NOT TO SCALE

**TRAFFIC SIGN
 DETAIL
 SHEET #5**

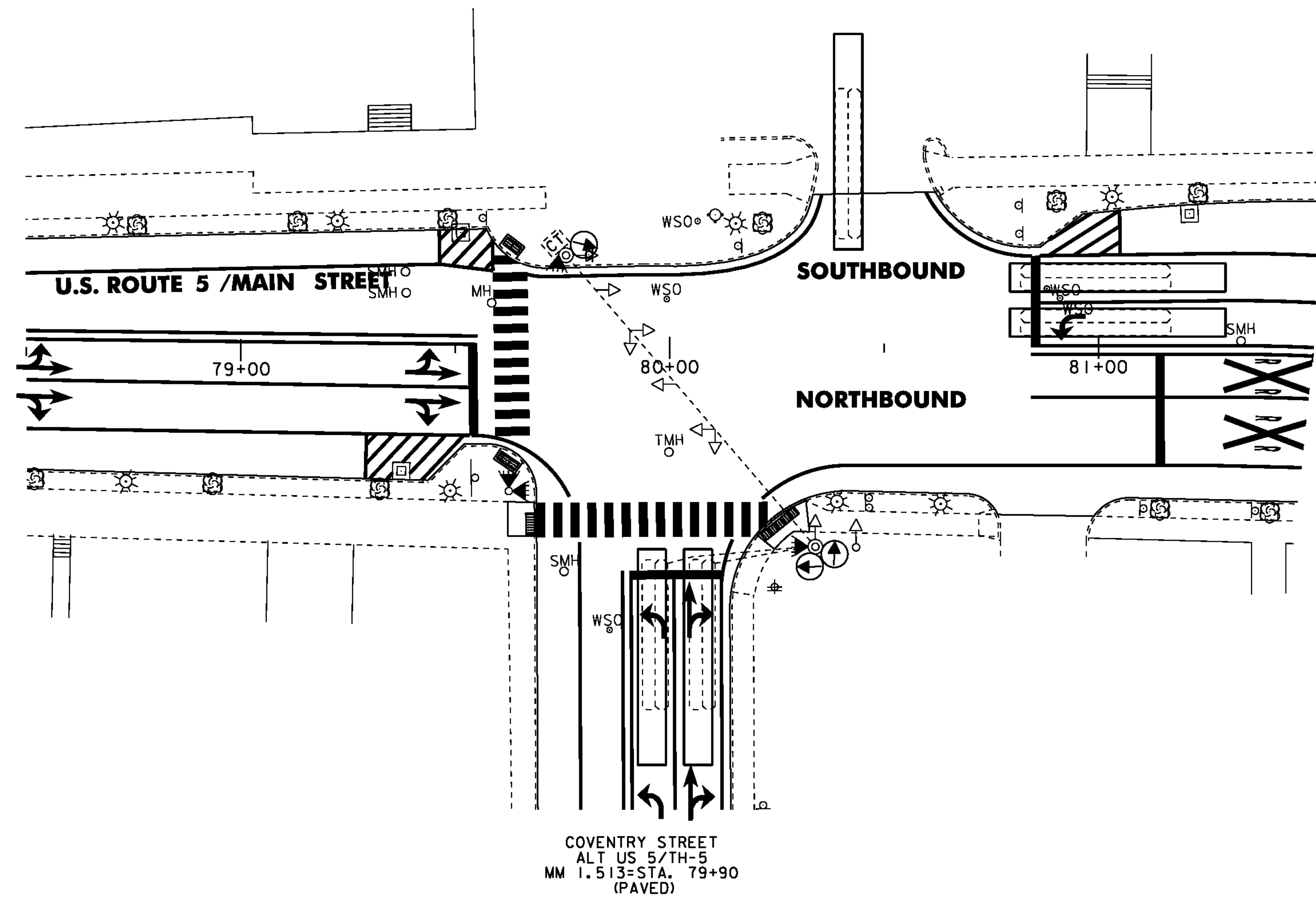
PROJECT NAME: NEWPORT CITY
 PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
 PROJECT LEADER: JLL
 DESIGNED BY: STANTEC
 IPARM FILE: p07d196tsds05.i

PLOT DATE: 03-APR-2012
 DRAWN BY: STANTEC
 CHECKED BY: STANTEC
 SHEET 86 OF 91



U.S. ROUTE 5 /MAIN STREET & COVENTRY STREET INTERSECTION



COVENTRY STREET
ALT US 5/TH-5
MM 1.513=STA. 79+90
(PAVED)

LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
□	EXISTING JUNCTION BOX
CT	EXISTING CONTROLLER CABINET
⊕	EXISTING POLE
▭	VIDEO DETECTION AREA
⊙	PROPOSED VIDEO DETECTOR CAMERA
◁	EXISTING VEHICLE SIGNAL
◄	PROPOSED VEHICLE SIGNAL
PB	EXISTING PULL BOX
▷	EXISTING PEDESTRIAN SIGNAL
▶	PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL

ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ COVENTRY STREET) STA. 79+82, RT		
QUANTITY	UNIT	DESCRIPTION
3	EA	VIDEO DETECTOR CAMERA ASSEMBLY
200	LF	VIDEO DETECTOR CABLE
3	EA	VIDEO DETECTOR CAMERA MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)

ITEM 900.620 SPECIAL PROVISION (PEDESTRIAN SIGNAL HEADS, COUNTDOWN) (U.S. ROUTE 5 @ COVENTRY STREET) STA. 79+82, RT		
QUANTITY	UNIT	DESCRIPTION
4	EA	COUNT-DOWN PEDESTRIAN SIGNAL WITH MOUNTING HARDWARE
4	EA	ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY

NOTES:

- THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
- VIDEO VEHICLE DETECTOR CAMERAS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
- VIDEO DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
- THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR VIDEO DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED TO BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ COVENTRY STREET). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678 OF THE 2006 EDITION OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. PAYMENT SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ COVENTRY STREET).

NOT TO SCALE

**TRAFFIC
SIGNAL
SYSTEM
SHEET #1**

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(I)

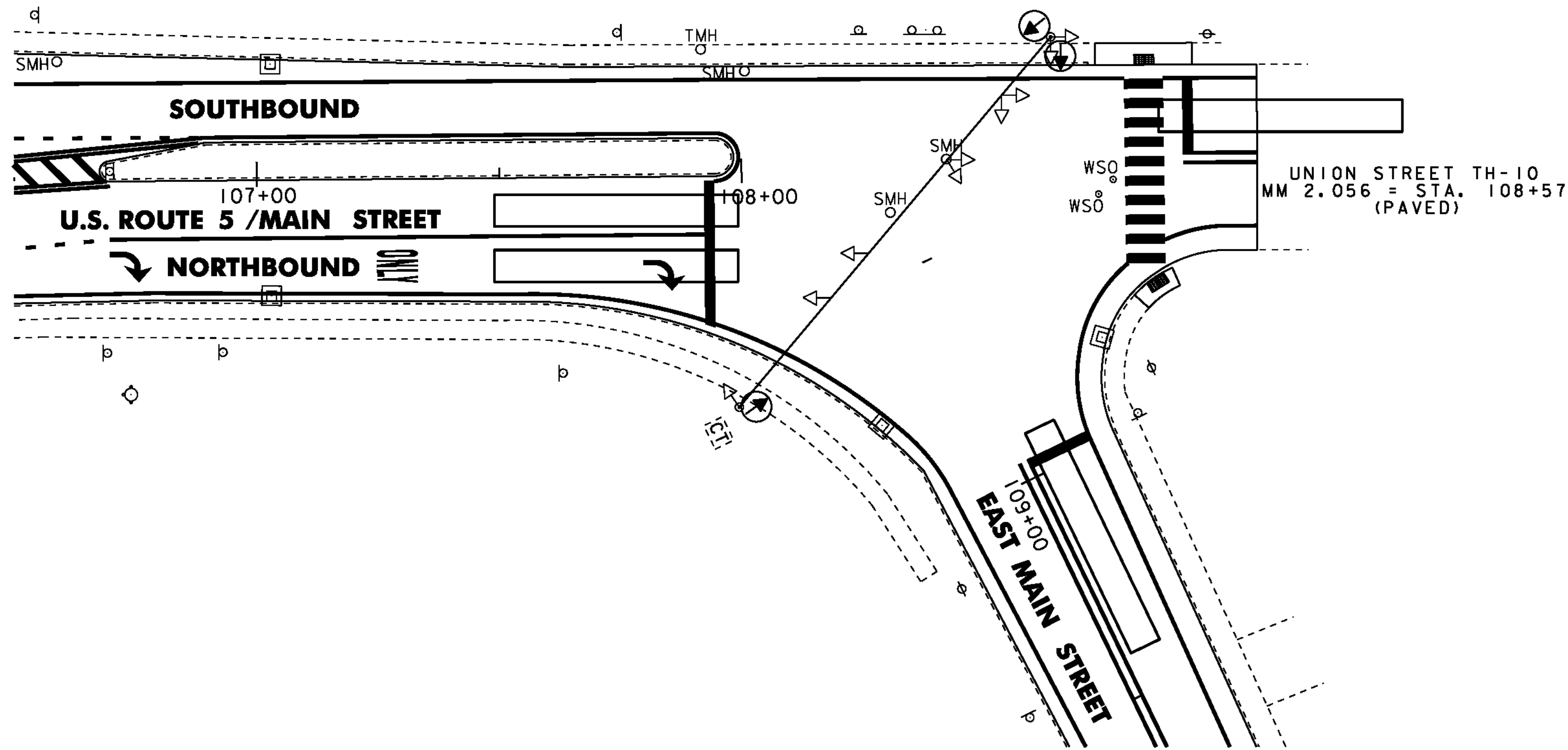
FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196vds01.1

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 87 OF 91



U.S. ROUTE 5 /MAIN STREET & UNION STREET INTERSECTION

ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ UNION STREET) STA. 108+70, RT		
QUANTITY	UNIT	DESCRIPTION
3	EA	VIDEO DETECTOR CAMERA ASSEMBLY
450	LF	VIDEO DETECTOR CABLE
3	EA	VIDEO DETECTOR CAMERA MOUNTING BRACKET
1	EA	CABINET RACK
1	EA	ADJUST HEIGHT OF CABINET RACK (AS NECESSARY)



LEGEND	
DESCRIPTION	
---	EXISTING CONDUIT
□	EXISTING JUNCTION BOX
CT	EXISTING CONTROLLER CABINET
⊕	EXISTING POLE
▭	VIDEO DETECTION AREA
⊙	PROPOSED VIDEO DETECTOR CAMERA
◁	EXISTING VEHICLE SIGNAL
◄	PROPOSED VEHICLE SIGNAL
⊞	EXISTING PULL BOX
▷	EXISTING PEDESTRIAN SIGNAL
▶	PROPOSED COUNT-DOWN PEDESTRIAN SIGNAL

NOTES:

- THIS PLAN SHEET IS NOT TO SCALE AND SHALL ONLY BE USED AS A GUIDE FOR THE PLACEMENT OF THE HARDWARE LISTED. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION. LOCATIONS MAY BE REVISED AS A RESULT OF THE SITE SURVEY.
- VIDEO VEHICLE DETECTOR CAMERAS SHALL BE PLACED SO THAT OCCLUSION IS MINIMIZED AND PHASING IS NOT AFFECTED.
- VIDEO DETECTION AREAS SHALL EXTEND 5 FEET PAST THE STOP BAR.
- THE CONTRACTOR SHALL VERIFY IN THE FIELD THAT THERE IS ADEQUATE SPACE IN THE CONDUIT FOR VIDEO DETECTION CABLE AND EQUIPMENT. IF ADDITIONAL CONDUIT INSTALLATION IS REQUIRED, ALL WORK ASSOCIATED TO BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ UNION STREET). MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH SECTION 678 OF THE 2006 EDITION OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- EXISTING VEHICLE DETECTOR LOOPS TO BE CUT AT THE CURB LINE PRIOR TO COLD PLANING. PAYMENT SHALL BE INCIDENTAL TO 900.620 SPECIAL PROVISION (VIDEO VEHICLE DETECTION SYSTEM) (U.S. ROUTE 5 @ UNION STREET).

NOT TO SCALE

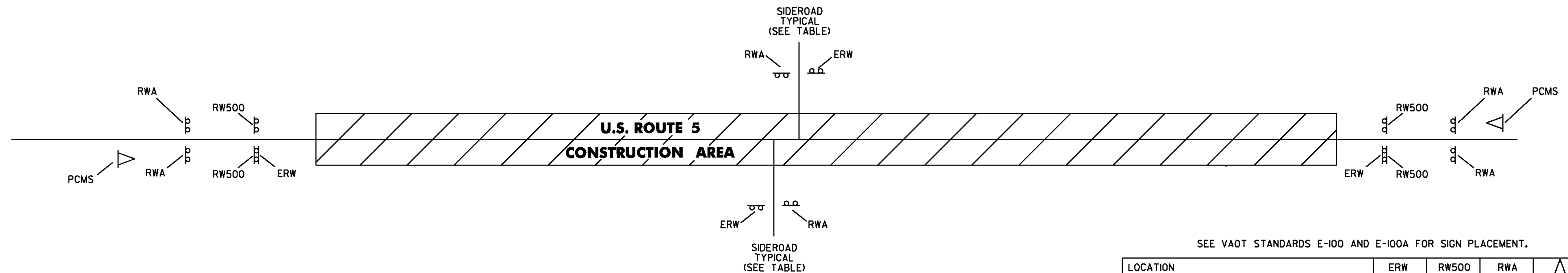
TRAFFIC SIGNAL SYSTEM SHEET #2

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(I)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196vds04.i

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 90 OF 91





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

LOCATION	ERW	RW500	RWA	△
NEWPORT				
U.S. ROUTE 5 (BEGIN PROJECT)	1	2	2	1
AIRPORT RD. (COVENTRY STATE HIGHWAY)	1		1	
COVENTRY ST (U.S. ROUTE 5 TRUCK ROUTE)	1		1	
PATENAUE ST	1		1	
BOBBIN MILL RD	1		1	
HIGHLAND AVE. (VT ROUTE 105)	1		1	
PROSPECT ST	1		1	
THIRD ST	1		1	
SUMMER ST (ONE WAY)	1			
MAIN ST	1		1	
SCHOOL ST	1		1	
BAYVIEW ST	1		1	
SECOND ST	1		1	
FIELD AVE	1		1	
CENTRAL ST (ONE WAY)	1			
SEYMOUR LN (ONE WAY)	1			
COVENTRY ST (U.S. ROUTE 5 TRUCK ROUTE)	1		1	
RAILROAD SQUARE	1		1	
GARDNER PARK RD	1		1	
VT 191	1		1	1
UNION ST	1		1	
SUNSET TERRACE	1		1	
TAYLOR ST	1		1	
YOUNG ST	1		1	
OAK ST	1		1	
INDIAN POINT ST	1		1	
SPRING ST	1		1	
CONCORD AVE	1		1	
AUTUMN ST (ONE WAY)	1			
WESTERN AVE	1		1	
SIAS AVE	1		1	
BLANCHARD AVE	1		1	
U.S. ROUTE 5 (END PROJECT)	1	2	2	1
TOTALS	33	4	31	3

NOTES:

- THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN PACKAGE FOR EXPECTED LANE CLOSURES, WORK ZONE SPEED REDUCTIONS AND PEDESTRIAN ACCESS IN COMPLIANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.0, TRAFFIC CONTROL.
- THE CONTRACTOR SHALL POSITION PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WARNING MOTORISTS OF THE EXPECTED ROADWAY CONDITIONS AHEAD. THE MESSAGE TO BE DISPLAYED, AND THEIR PROPOSED LOCATIONS SHALL BE SUBMITTED TO THE RESIDENT ENGINEER IN ADVANCE FOR APPROVAL. THE PCMS SHOULD BE RELOCATED AS DETERMINED BY THE RESIDENT ENGINEER TO PROVIDE WORK ZONE TRAVEL INFORMATION THAT IS OTHERWISE DIFFICULT TO CONVEY WITH STATIC SIGNS. THE COST OF PROVIDING THESE MESSAGE SIGNS AND THEIR RELOCATION IF NECESSARY SHALL BE PAID UNDER ITEM 641.5, PORTABLE CHANGEABLE MESSAGE SIGN.
- 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, PORTABLE FLASHING ARROW BOARDS, BARRIERS, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VTRANS STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE RESIDENT ENGINEER SHALL ALSO BE INCLUDED.
- 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.
- SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
- CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH PART 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND AS OUTLINED IN THE SPECIAL PROVISIONS.
- CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
- DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
- RETROREFLECTIVE SHEETING SHALL BE ASTM TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN THE SPECIAL PROVISIONS.
- WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
- AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 500 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.
- BARRELS AND CONES SHALL BE USED TO CLEARLY DEFINE THE TRAVEL SPACE AND PROVIDE SEPARATION FROM THE WORK SPACE ALONG ITS ENTIRE LENGTH.
- MAINTAINING RAILROAD TRAFFIC INCLUDING FLAGGERS AND PROTECTIVE SERVICES WILL BE INCLUDED UNDER ITEM 900.650 SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC).

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES:

- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
- THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND TPAR HAVE BEEN PROVIDED.
- 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, 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.

LEGEND

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

NOT TO SCALE

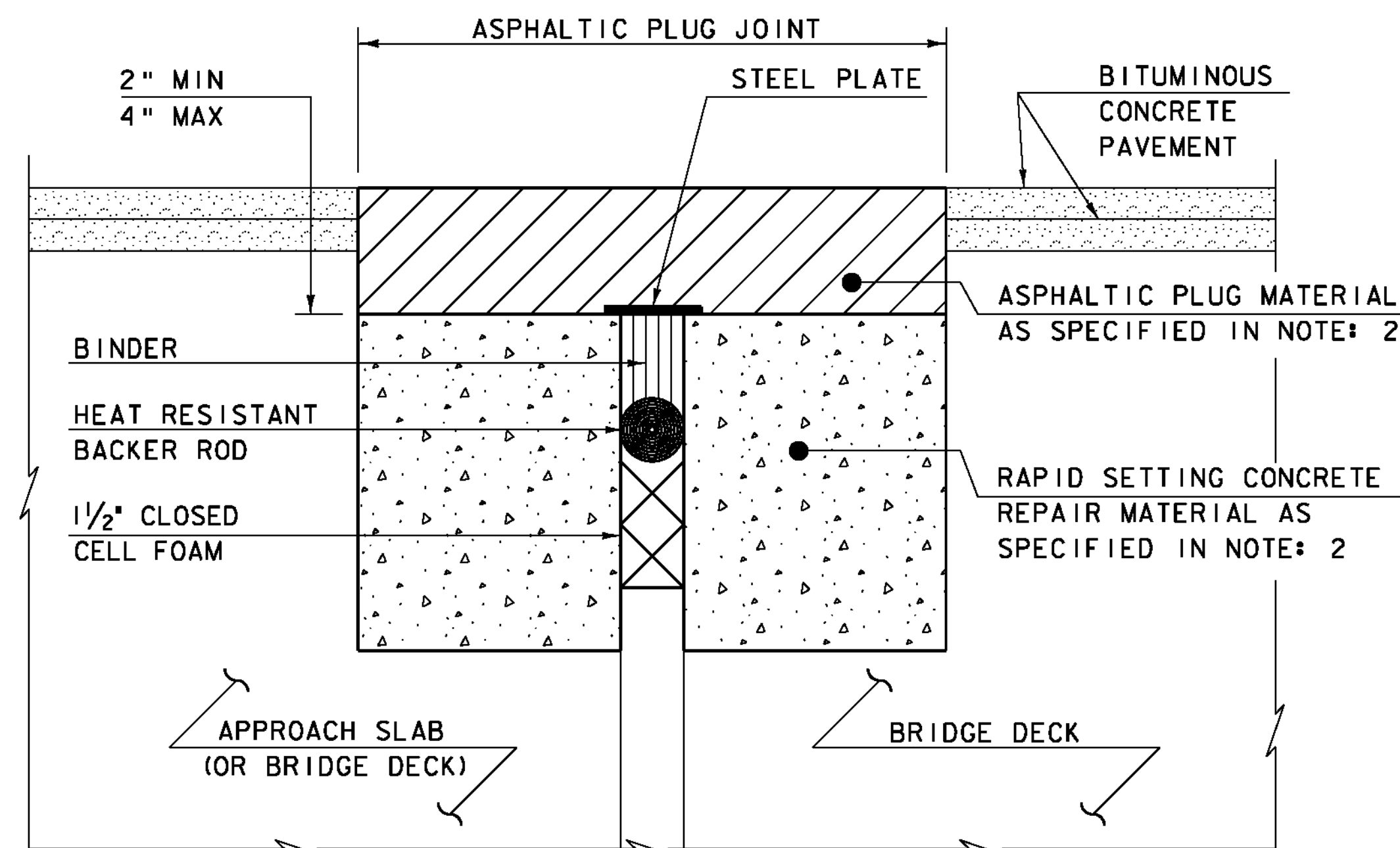
**CONSTRUCTION
APPROACH
SIGNING
SHEET**

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: STP 2704(1)

FILE NAME: p07d196.dgn
PROJECT LEADER: JLL
DESIGNED BY: STANTEC
IPARM FILE: p07d196cas.i

PLOT DATE: 03-APR-2012
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 91 OF 91

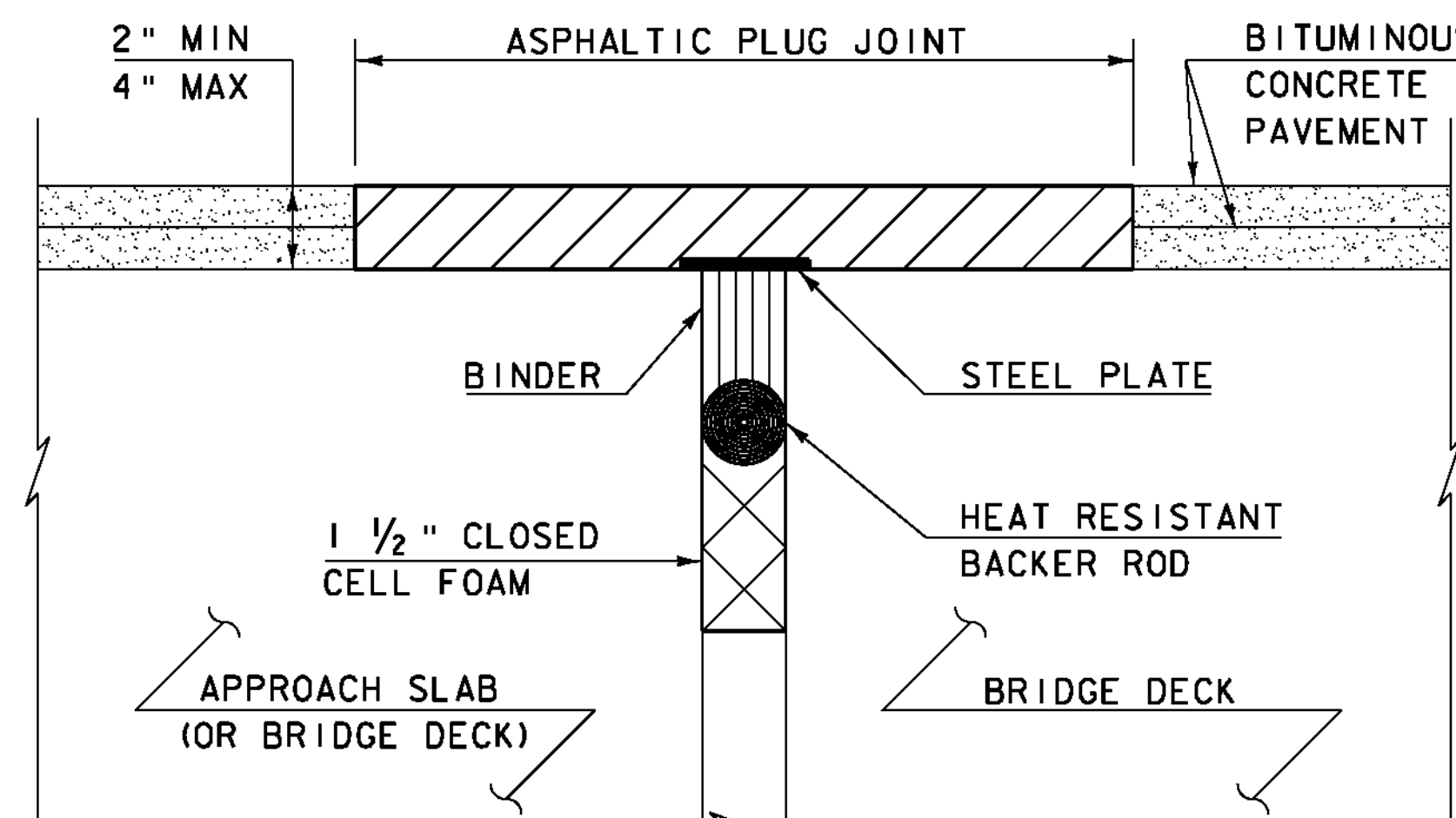




ASPHALTIC PLUG-TYPE JOINT DETAIL - REHAB

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 COURSE AGGREGATE MEETING THE REQUIREMENTS OF SUBSECTION 780.04.
3. REINFORCING STEEL NOT SHOWN FOR CLARITY.



ASPHALTIC PLUG-TYPE JOINT DETAIL - NEW

(NOT TO SCALE)

ASPHALTIC PLUG JOINT NOTES

INSTALLATION:

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

WEATHER LIMITATIONS

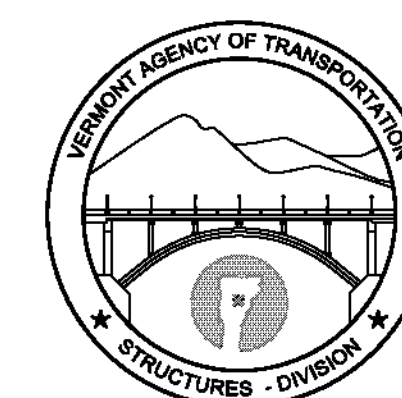
APPLY BINDER MATERIAL ONLY WHEN THE FOLLOWING CONDITIONS PREVAIL OR AS RECOMMENDED BY THE MANUFACTURER:

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

REVISIONS

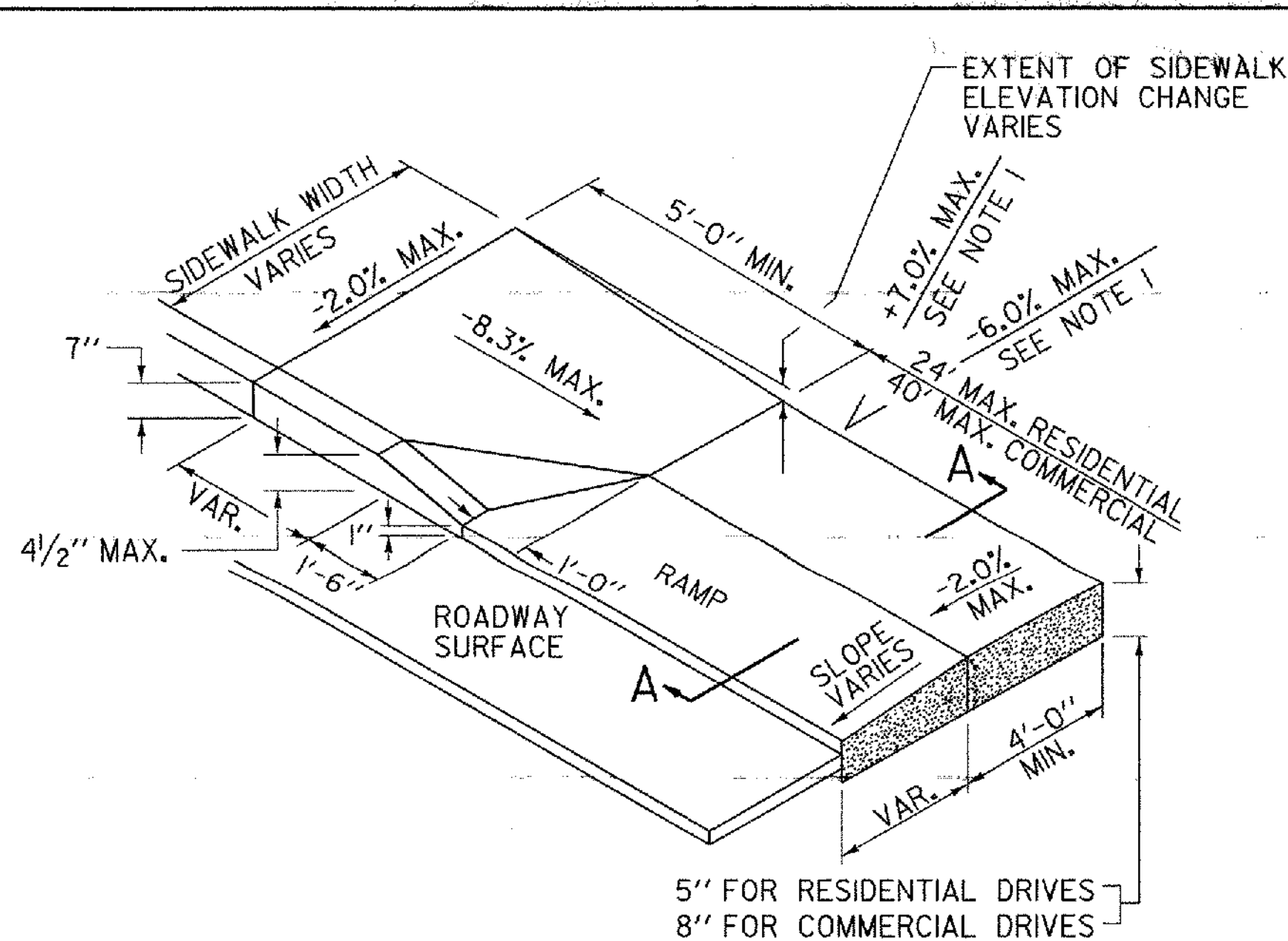
MAY 7, 2010 APPROVED FOR USE BY VAOT STRUCTURES SECTION

**BRIDGE JOINT
ASPHALTIC PLUG**

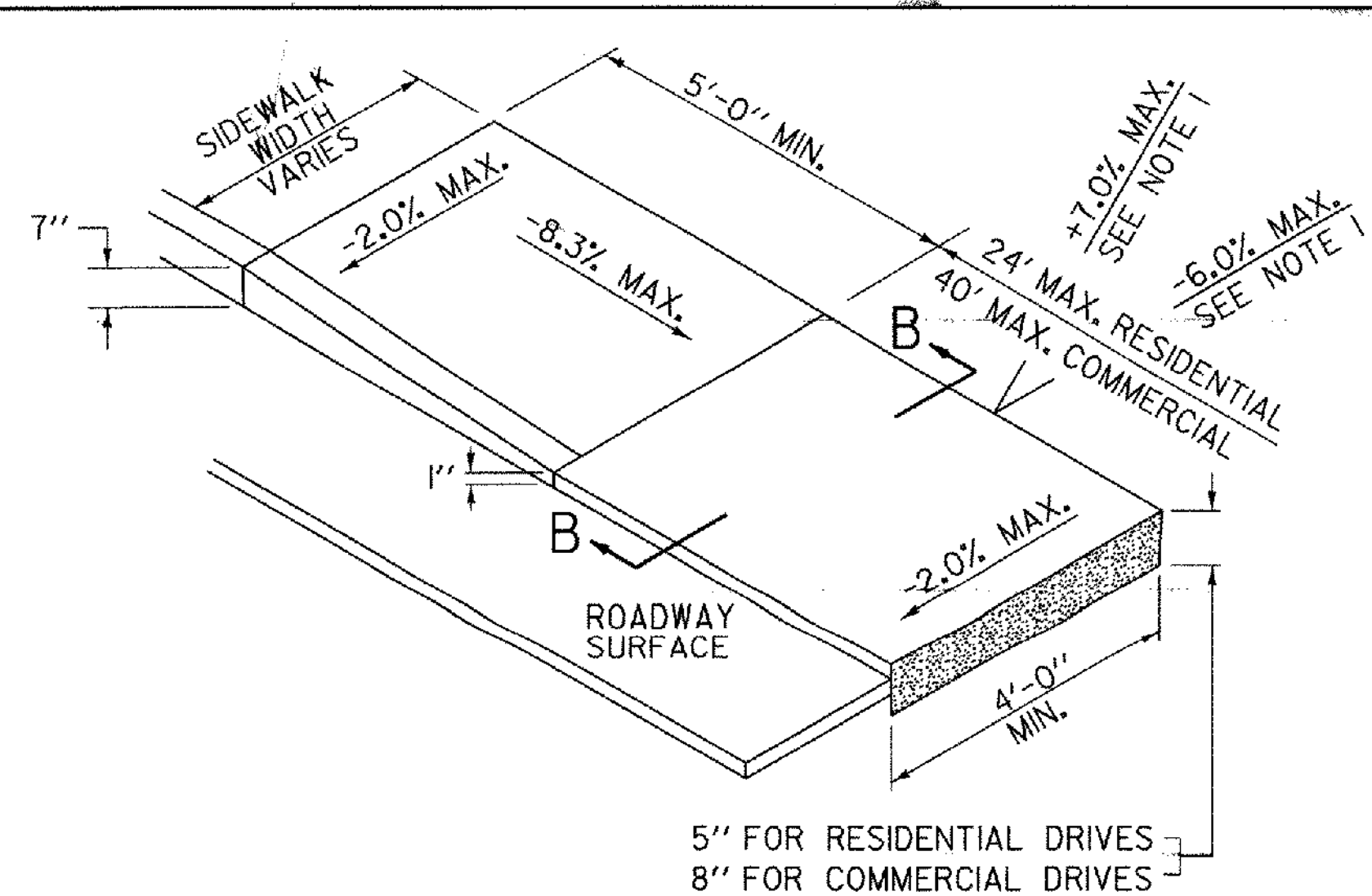


**STRUCTURES
DETAIL**

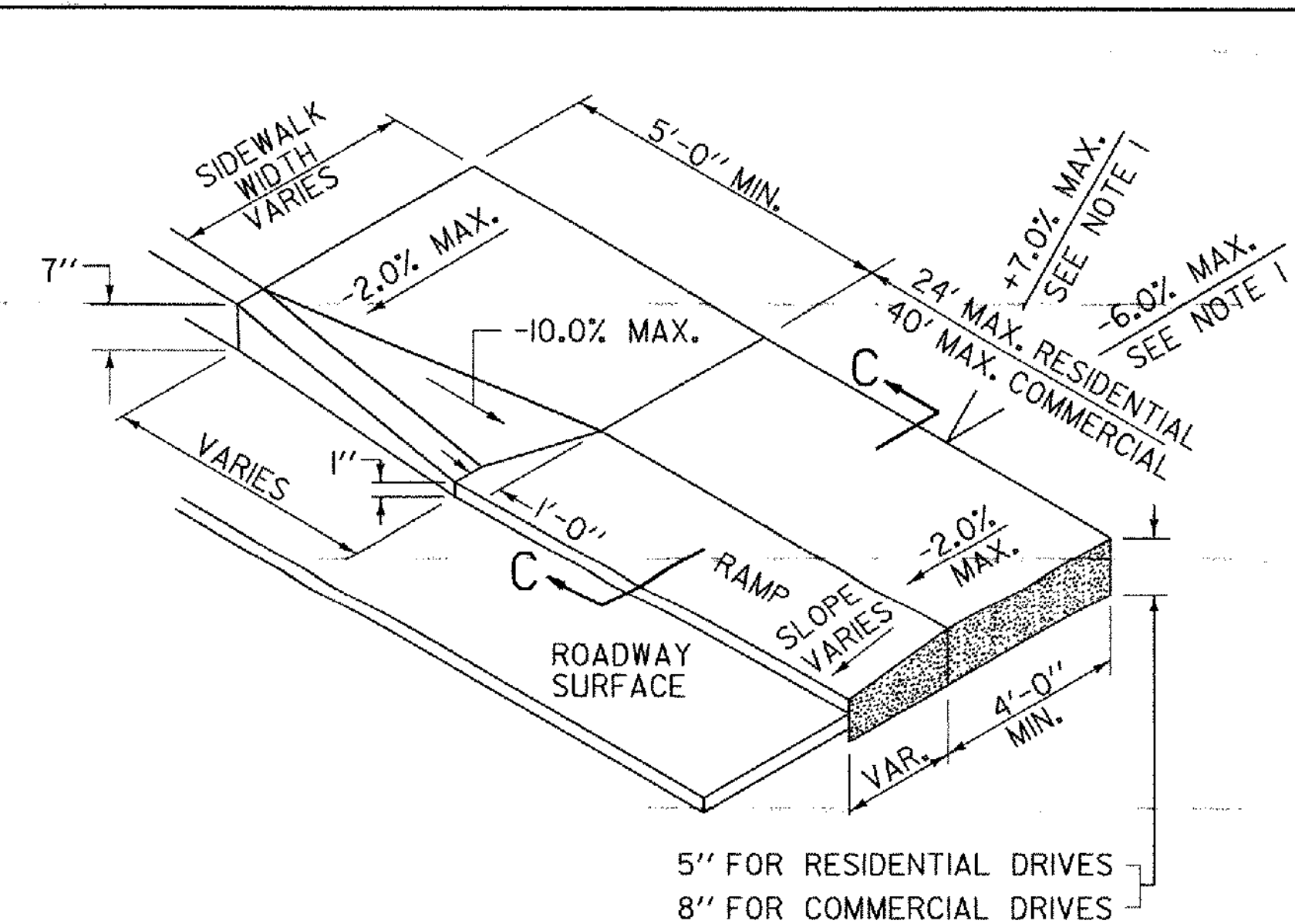
SD-516.10



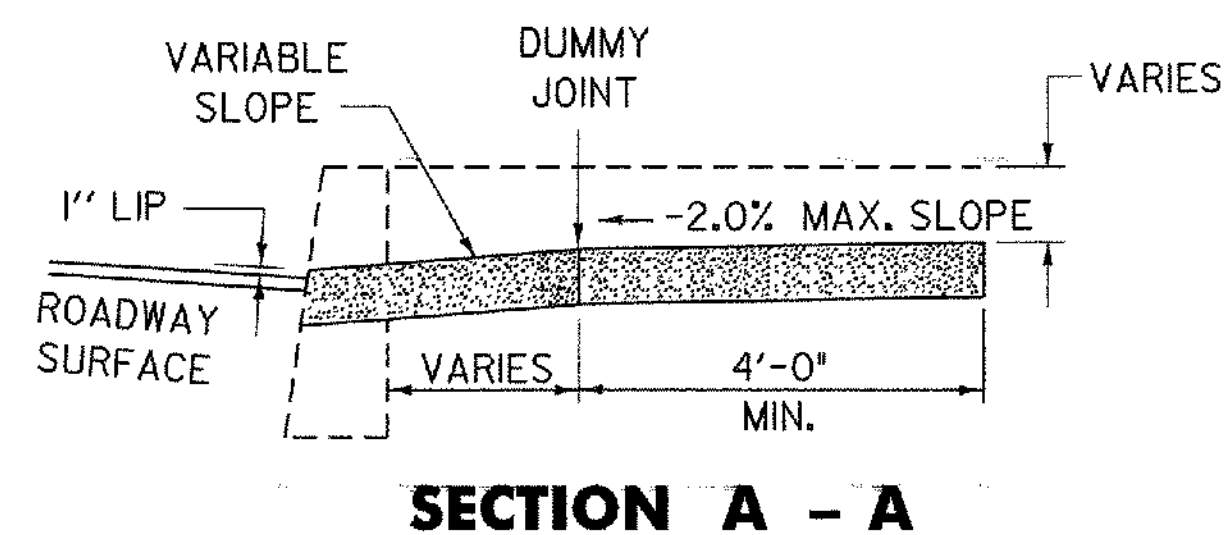
TYPE 1 - COMBINATION CROSSING WITH FLARE



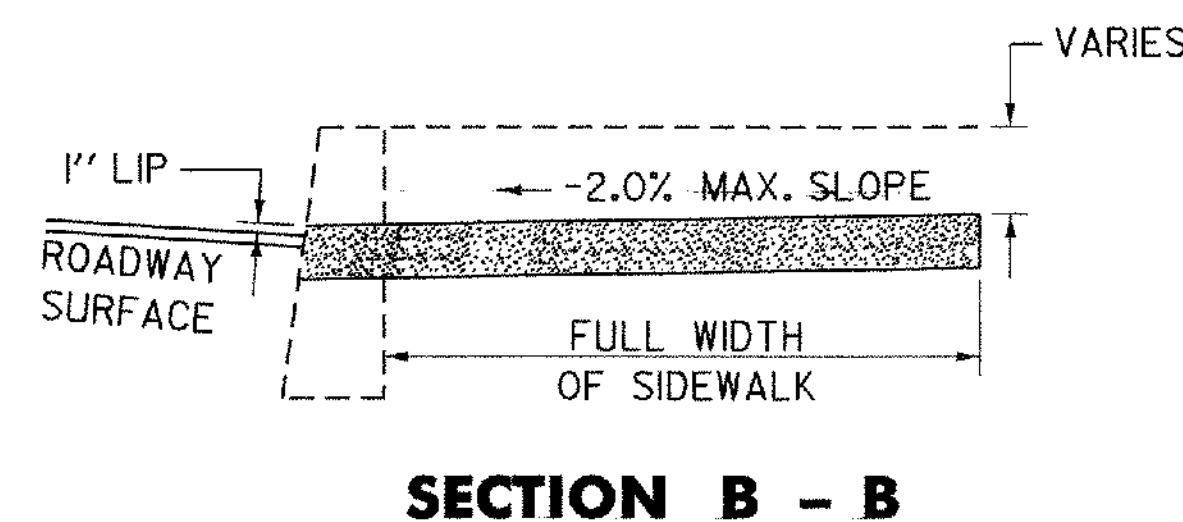
TYPE 2 - PARALLEL CROSSING WITH LANDING



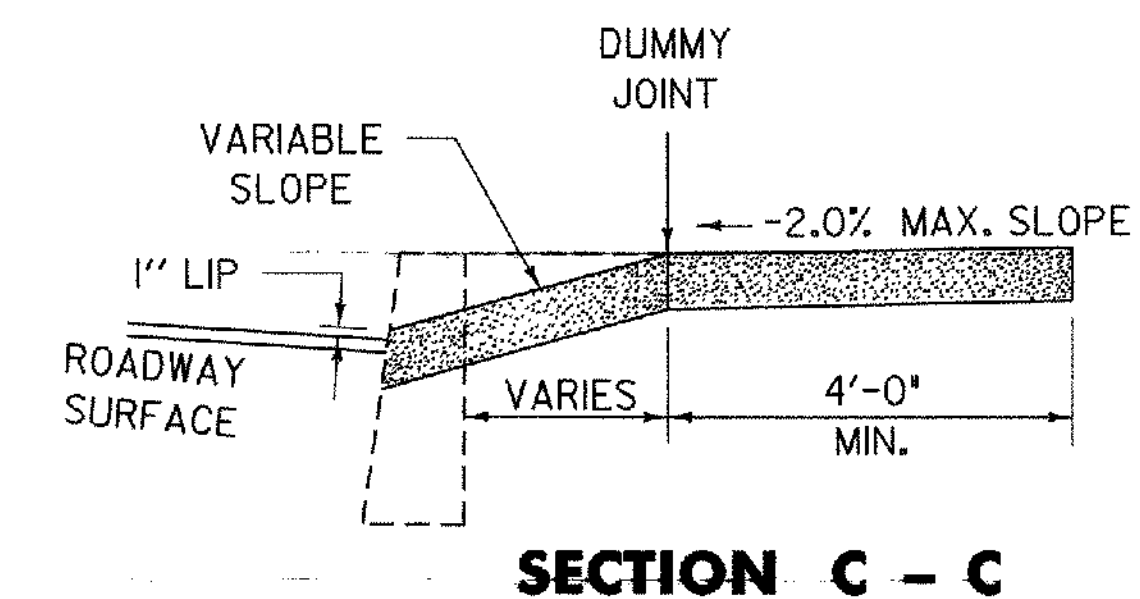
TYPE 3 - LEVEL LANDING WITH FLARE



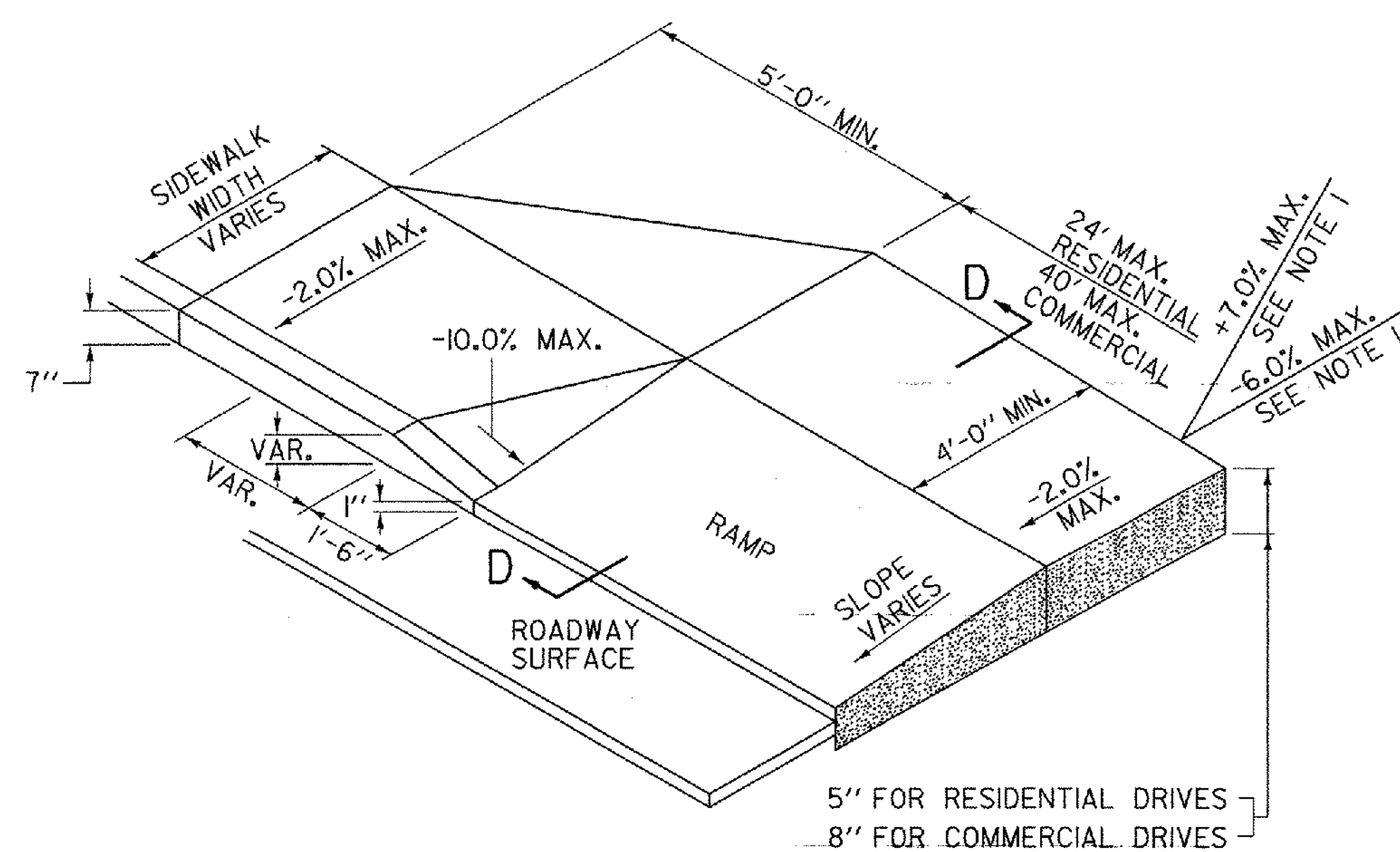
SECTION A - A



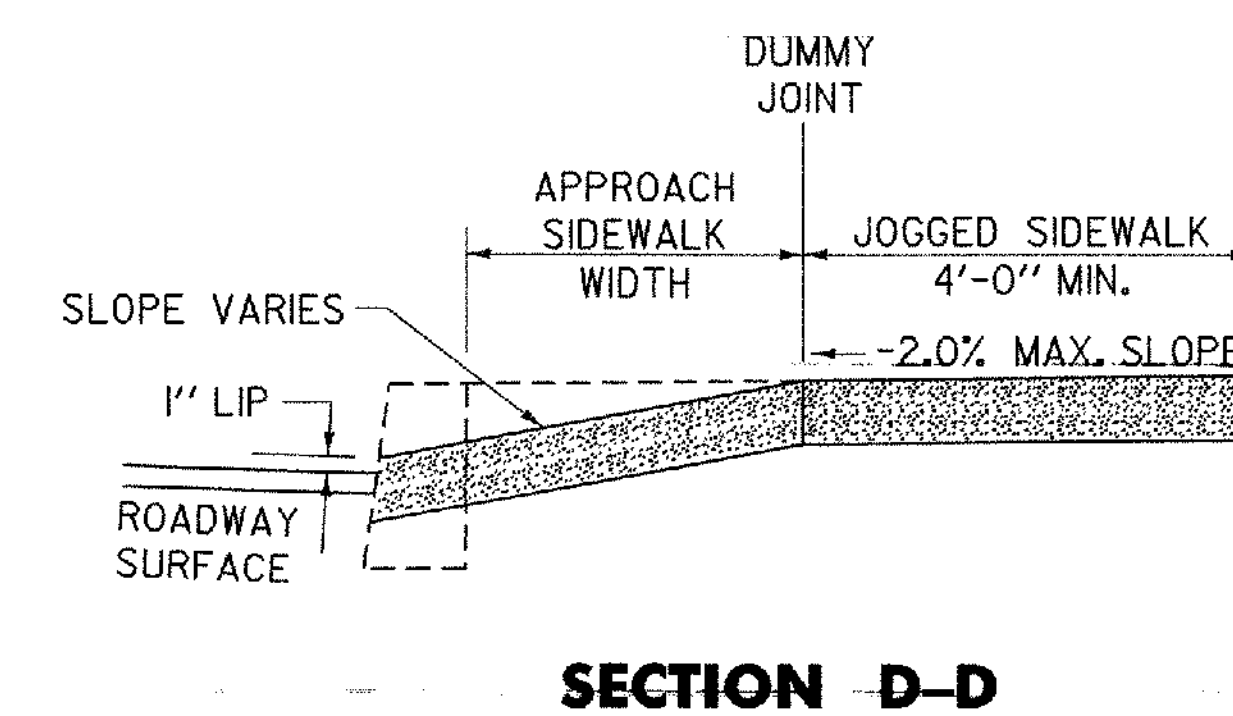
SECTION B - B



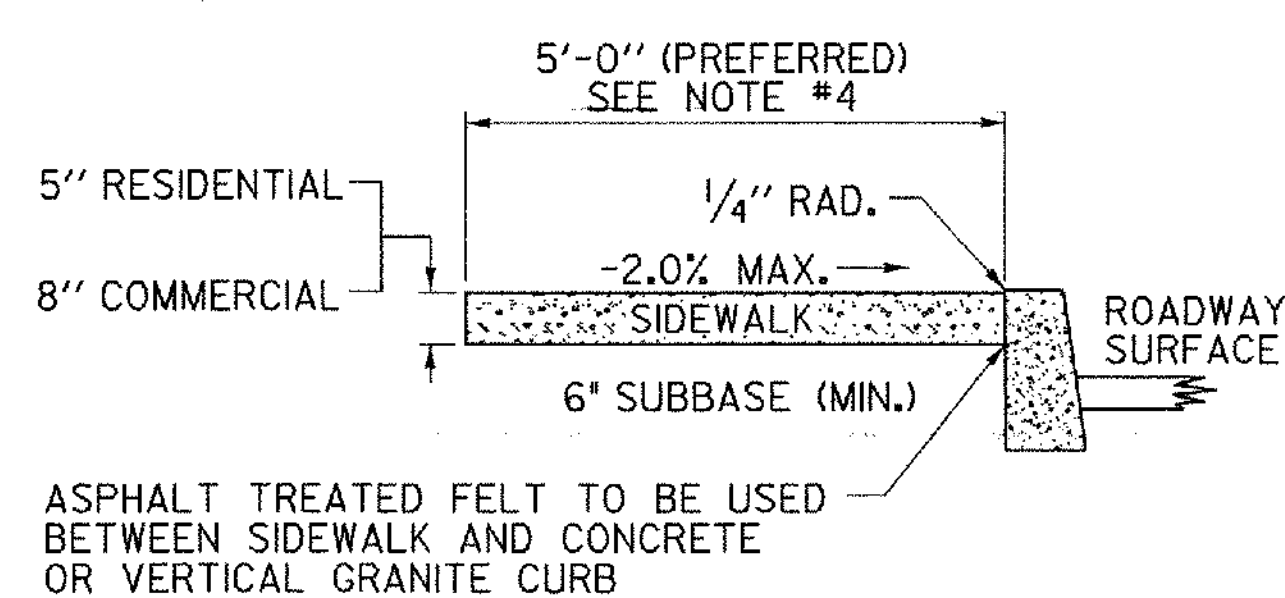
SECTION C - C



TYPE 4 - JOGGED CROSSING



SECTION D - D



PORTLAND CEMENT CONCRETE SIDEWALK

GENERAL NOTES :

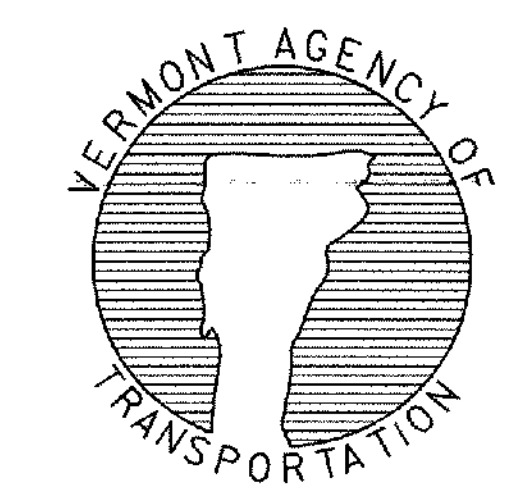
1. THESE TYPICALS APPLY WHERE GRADE OF DRIVE IS BETWEEN -6.0% AND +7.0%. FOR GRADES IN EXCESS OF THESE, ALTERNATIVE CROSS SECTION OF RAMP AND SIDEWALK MAY BE APPROVED BY THE ENGINEER.
2. DUMMY JOINTS SHALL BE PROVIDED AT TRANSITIONS (GRADE CHANGES) OF RAMPS AND FLARES.
3. DRIVEWAY RAMPS TO BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK.
4. SIDEWALKS THAT ARE LESS THAN 5' WIDE REQUIRE 5' WIDE BY 5' LONG PASSING AREAS (NO GREATER THAN 2.0% CROSS SLOPE) AT INTERVALS NOT TO EXCEED 200'. DRIVEWAYS MEETING THESE REQUIREMENTS MAY BE USED AS A WHEELCHAIR PASSING AREA.
5. IN NO CASE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 2.0%.

REVISIONS AND CORRECTIONS
 DEC. 14, 1971 - ORIGINAL APPROVAL DATE
 OCT. 25, 1985 - REVISED TO CONFORM TO 1986 SPECIFICATIONS
 JUNE 1, 1994 - REISSUED WITHOUT CHANGE, UNDER NEW SIGNATURES.
 JAN. 3, 2000 - UPDATED TO REFLECT METRIC STD. CHANGES.
 OCT. 14, 2005 - UPDATED TO REFLECT REVISED ADAAG STANDARDS

APPROVED
James D. Smith
 ASST. DIRECTOR OF PROGRAM DEVELOPMENT
Kevin A. Marshall
 ROADWAY PROGRAM MANAGER
Michael J. ...
 FEDERAL HIGHWAY ADMINISTRATION

PORTLAND CEMENT CONCRETE SIDEWALK DRIVE ENTRANCES WITH SIDEWALK ADJACENT TO CURB

OTHER STANDARDS REQUIRED: B-71



STANDARD C-2A