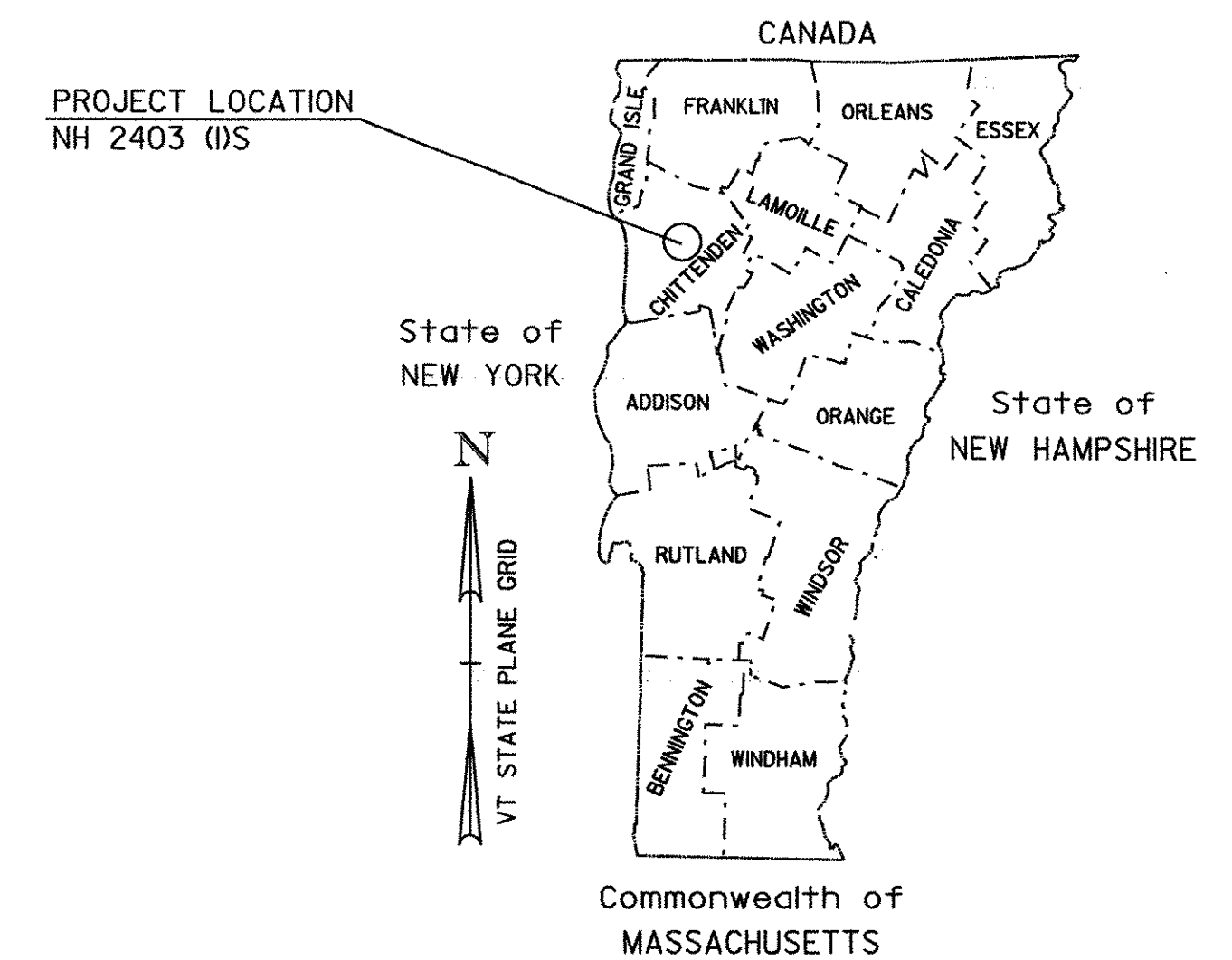


# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT TOWN OF ESSEX COUNTY OF CHITTENDEN VT ROUTE 289

INDEX OF SHEETS  
SEE SHEET 2



BEGINNING IN THE TOWN OF ESSEX AT MILE MARKER 7.818 = STA. 412+78.59 AND EXTENDING  
EASTERLY ALONG VT ROUTE 289 FOR A DISTANCE OF 21175.91FT (4.01MILES) TO AN  
ENDING POINT AT MILE MARKER 11.829 = STA. 624+54.50

LENGTH OF ROADWAY 21175.91FT (4.01MILES)  
LENGTH OF PROJECT 21175.91FT (4.01MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING, RESURFACING  
WITH A LEVEL COURSE, AND WEARING COURSE; NEW PAVEMENT MARKINGS; NEW SIGNS;  
GUARDRAIL IMPROVEMENTS; DITCHING AND INCIDENTAL ITEMS. WORK INCLUDES MAINLINE  
IMPROVEMENTS AS WELL AS RAMPS AT EXIT 7, 9, 10 AND 12.

TRAFFIC DATA

| SECTION            | ADT   |       | DHW  |      | ESAL'S<br>(2006-2016) | ESAL'S<br>(2006-2026) |
|--------------------|-------|-------|------|------|-----------------------|-----------------------|
|                    | 2006  | 2016  | 2006 | 2016 |                       |                       |
| EXIT 7 TO EXIT 9   | 15700 | 16600 | 1700 | 1800 | 1,413,000             | 3,090,000             |
| EXIT 9 TO EXIT 10  | 6700  | 7100  | 750  | 790  | 675,000               | 1,478,000             |
| EXIT 10 TO EXIT 12 | 5500  | 5800  | 620  | 650  | 553,000               | 1,207,000             |

| BITUMINOUS CONCRETE PAVEMENT<br>SUPERPAVE MIXTURE DESIGN CRITERIA |           |
|---|-----------|
| DESIGN LANE / DESIGN LIFE ESAL                                    | 1,545,000 |
| DESIGN NUMBER OF GYRATIONS  | 75        |
| PERFORMANCE GRADE ASPHALT BINDER                                  | PG 58-28  |

**RECORD PLANS**

CONTRACTOR: FW WHITCOMB CONSTRUCTION CORP. - WALPOLE, NH

RESIDENT ENGINEER: BOB SUCKERT

CONSTRUCTION BEGAN: AUGUST 7, 2006

CONSTRUCTION COMPLETE: AUGUST 15, 2007

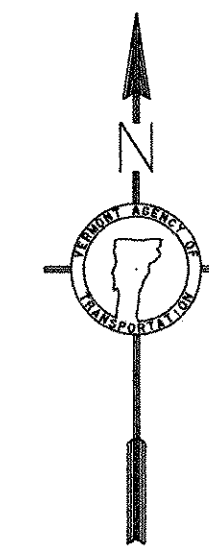
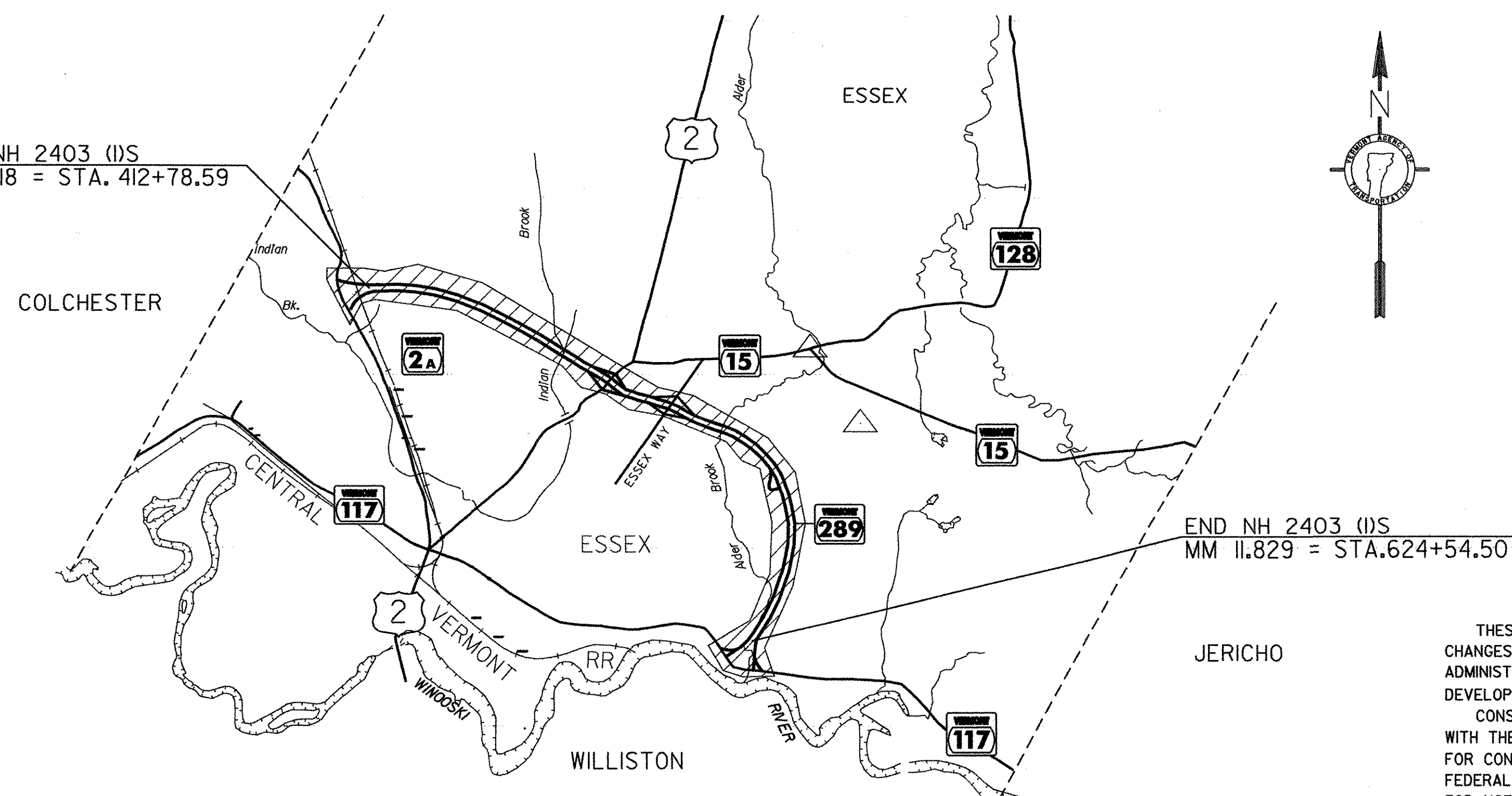
RECORD PLANS BY: J. DEPAOLIS & M. BOOTH

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

BY [Signature] RESIDENT ENGINEER

DATE 4-20-09

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.



**CONVENTIONAL SYMBOLS**

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

**DuBois & King INC.**

engineering    planning    management    development

DATUM

VERTICAL N/A

HORIZONTAL N/A

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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE  
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS  
FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE  
FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001  
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT  
REVISIONS AND SUCH REVISED SPECIFICATIONS AND  
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE  
PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED [Signature] DATE 3/15/06

PROJECT MANAGER : MARK WOOLAVER

PROJECT NAME : ESSEX

PROJECT NUMBER : NH 2403 (1)S

SHEET 1 OF 48 SHEETS

INDEX OF SHEETS

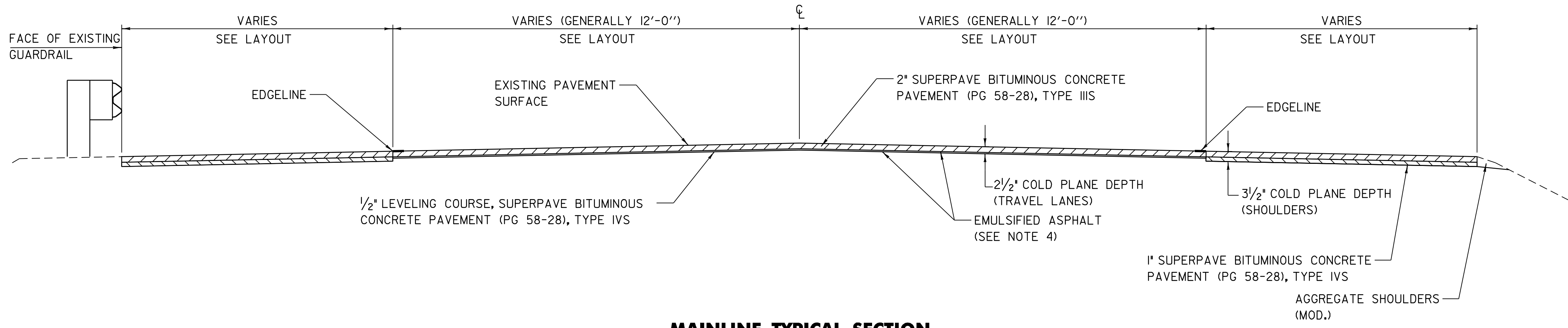
|       |                                     |
|-------|-------------------------------------|
| 1     | TITLE SHEET                         |
| 2     | INDEX OF SHEETS                     |
| 3-4   | TYPICAL SECTION SHEETS              |
| 5-6   | QUANTITY SHEETS                     |
| 7     | ITEM DETAIL SUMMARY SHEET           |
| 8     | DITCH CLEANING DETAIL SHEET         |
| 9-20  | LAYOUT SHEETS                       |
| 21-23 | LOOP LAYOUT SHEETS                  |
| 24-38 | TRAFFIC SIGN SUMMARY SHEETS         |
| 39    | SIGN CROSS SECTIONS                 |
| 40-43 | TYPE B SIGN DETAILS                 |
| 44-45 | DETAIL SHEETS                       |
| 46-47 | MILLED RUMBLE STRIP DETAILS         |
| 48    | CONSTRUCTION APPROACH SIGNING SHEET |

VAOT STANDARDS

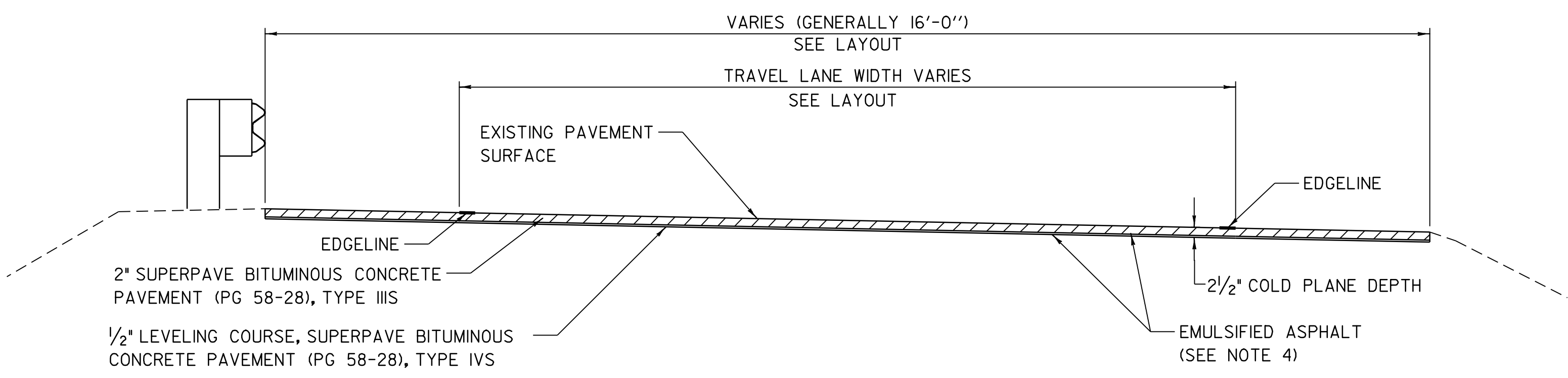
|        |  |             |
|--------|--|-------------|
| B-17   | GUARD RAIL, BRIDGES, REST AREA, TURNOUTS   | 02/23/95    |
| C-1    | CURBS, BITUMINOUS CONCRETE SIDEWALKS   | 01/03/00    |
| C-3A   | SIDEWALK RAMPS TYPES 1-5 AND DETECTABLE WARNING DETAILS                          | 09/01/04    |
| C-3B   | SIDEWALK RAMPS TYPE 6, MEDIAN RAMPS AND RAILROAD CROSSINGS                       | 09/01/04    |
| D-3    | TREATED GUTTERS  | 06/01/94    |
| D-8    | REINF. CONCRETE DROP INLET W/GRATE (BOTTOM)                                      | 01/03/00    |
| D-9    | REINF. CONCRETE DROP INLET W/VERTICAL CURB                                       | 06/01/94    |
| D-10   | TOP FOR DROP INLET W/GRANITE SLOPE EDGING  | 06/01/94    |
| D-15   | CAST IRON GRATE W/ FRAME, TYPE D & TYPE E  | 06/01/94    |
| E-100  | CONSTRUCTION APPROACH SIGNS  | 01/02/04    |
| E-100A | SIDE ROAD CONSTRUCTION SIGNS   | 01/02/04    |
| E-101  | CONSTRUCTION SIGN DETAILS  | 05/30/03    |
| E-102  | CONSTRUCTION SIGN DETAILS  | 06/30/03    |
| E-102A | CONSTRUCTION SIGN DETAILS  | 05/01/04    |
| E-103  | MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED                         | 03/01/04    |
| E-106  | TRAFFIC CONTROL - MISCELLANEOUS DETAILS  | 03/01/04    |
| E-107  | DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS                       | 06/30/03    |
| E-107A | BREAKAWAY BARRICADE DETAILS  | 08/08/95    |
| E-108  | CONSTRUCTION ZONE LONGITUDINAL DROP OFFS   | 08/18/95    |
| E-110  | MAJOR MAINTENANCE OPERATION LANE CLOSURE   | 08/08/95    |
| E-111  | MINOR MAINTENANCE OPERATION  | 03/11/97    |
| E-120  | STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY                                   | 08/08/95    |
| E-121  | STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD                                      | 08/08/95    |
| E-123  | GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS                                     | 03/16/04    |
| E-128A | DETAILING VILLAGE SIGNS (A-M)  | 08/08/95    |
| E-128B | DETAILING VILLAGE SIGNS (N-W)  | 08/08/95    |
| E-130  | TYPE 'B' GUIDE SIGN, ATTACHMENT DETAILS  | 08/08/95    |
| E-131  | GUIDE SIGN DETAILS   | 08/08/95    |
| E-134  | BRIDGE NUMBER PLAQUE   | 08/08/95    |
| E-135  | INTERSTATE ROUTE MARKER SIGN DETAIL  | 08/18/95    |
| E-136A | U.S. ROUTE MARKER SIGN DETAILS   | 08/08/95    |
| E-136B | STATE ROUTE MARKER SIGN DETAILS  | 08/08/95    |
| E-138  | MILEMARKER DETAILS - STATE & TOWN HIGHWAYS                                       | 05/30/03    |
| E-139  | MILEMARKER DETAILS - INTERSTATE  | 05/01/04    |
| E-140  | REGULATORY SIGN DETAILS  | 08/30/96    |
| E-141  | REGULATORY SIGN DETAILS  | 09/20/95    |
| E-142  | REGULATORY SIGN DETAILS  | 09/20/95    |
| E-143  | REGULATORY SIGN DETAILS  | 06/15/04    |
| E-143B | REGULATORY SIGN DETAILS  | 03/15/05    |
| E-144  | REGULATORY SIGN DETAILS  | 03/29/99    |
| E-145A | REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS                                 | 12/23/94    |
| E-146  | REGULATORY SIGN DETAILS  | 09/20/95    |
| E-150  | WARNING SIGN DETAILS   | 05/01/04    |
| E-151  | WARNING SIGN DETAILS   | 05/01/04    |
| E-152  | WARNING SIGN DETAILS   | 05/01/04    |
| E-153  | WARNING SIGN DETAILS   | 05/01/04    |
| E-153B | WARNING SIGN DETAILS   | 05/30/03    |
| E-154  | WARNING SIGN DETAILS   | 05/01/04    |
| E-155  | WARNING SIGN DETAILS   | 05/01/04    |
| E-160  | FLANGED CHANNEL STEEL SIGN POST  | 05/20/99    |
| E-161  | W-SHAPED STEEL SIGN POST   | 08/18/95    |
| E-163  | TUBULAR STEEL SIGN POST  | 05/20/99    |
| E-164  | SQUARE STEEL SIGN POST   | 05/20/99    |
| E-172  | VEHICLE DETECTOR LOOP DETAIL   | 08/09/95    |
| E-191  | PAVEMENT MARKING DETAILS   | 02/01/99    |
| E-192  | PAVEMENT MARKING DETAILS   | 10/12/00    |
| E-193  | PAVEMENT MARKING DETAILS   | 08/18/95    |
| E-197  | DELINEATOR PLACEMENT TYPICAL   | 04/01/05    |
| E-198  | DELINEATORS AND MILEPOSTS  | 04/01/05    |
| G-1    | STEEL BEAM GUARDRAIL WITH STEEL POSTS  | 01/03/00    |
| G-1D   | HEAVY DUTY STEEL BEAM GUARDRAIL ANCHOR FOR STEEL BEAM RAIL                       | 01/03/00    |
| G-4    | YIELDING MARKER POSTS  | 06/01/94    |
| G-19   | GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS                                | 11/15/02    |
| PSF-1M | INSTALLATION OF PERMANENT SNOW FENCE ON BRIDGES WITH 2-RAIL ALUMINUM BRIDGE RAIL | 07/10/97 ** |
| PSF-3M | INSTALLATION OF PERMANENT SNOW FENCE ON BRIDGES WITH 3-RAIL ALUMINUM BRIDGE RAIL | 07/10/97 ** |

\*\* METRIC STANDARD - NO ENGLISH VERSION AVAILABLE

|                         |                                    |
|-------------------------|------------------------------------|
| <b>INDEX OF SHEETS</b>  | PROJECT NAME: ESSEX                |
|                         | PROJECT NUMBER: NH 2403 (1)S       |
|                         | FILE NAME: pave/04b032/p04b032.dgn |
|                         | PLOT DATE: 23-APR-2009 15:4        |
| PROJECT LEADER: EPD     | DRAWN BY: SJB, RHB                 |
| DESIGNED BY: JDA        | CHECKED BY: EPD                    |
| PLOT FILE: p04b032ind.1 | SHEET 2 OF 48                      |



**MAINLINE TYPICAL SECTION**



**RAMP TYPICAL SECTION**

**SEEDING FORMULA  
RURAL AREAS**

| % WT. | LBS./A. | NAME                | PUR % | GERM % |
|-------|---------|---------------------|-------|--------|
| 37.5  | 22.5    | CREEPING RED FESCUE | 98    | 85     |
| 37.5  | 22.5    | TALL FESCUE         | 95    | 90     |
| 5.0   | 3.0     | RED TOP             | 95    | 90     |
| 15.0  | 9.0     | BIRDSFOOT TREFLOIL  | 98    | 85     |
| 5.0   | 3.0     | ANNUAL RYEGRASS     | 95    | 85     |
| 100.0 | 60.0    |                     |       |        |

**GENERAL NOTES**

- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
- FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
- AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

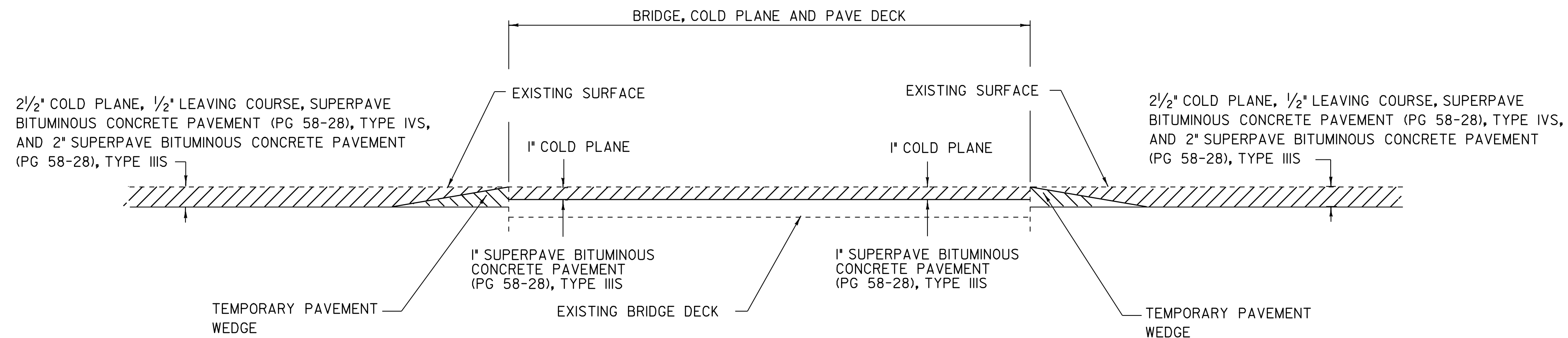
**TYPICAL SECTION NOTE:**

- I. SEE TYPICAL SECTION AT GUARDRAIL ON SHEET 4 FOR TREATMENT IN AREAS OF BITUMINOUS CONCRETE OR TIMBER TREATED CURB.

**NOTES:**

- COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGINNING/END AND AT ALL RAMP APPROACHES AS DENOTED ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- EXISTING SHOULDER MATERIAL WILL BE COLD PLANED TO A DEPTH OF 3 1/2 INCH +/- OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE REUSED AS AGGREGATE SHOULDERS (MOD.) OR BE REMOVED FROM THE PROJECT AREA, AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ADJACENT TO EXISTING DROP INLETS OR CATCH BASINS. ANY DAMAGE WHICH OCCURS TO THESE DRAINAGE STRUCTURES AS A RESULT OF THESE OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE STATE OF VERMONT.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON ALL COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT A RATE OF 0.025 GAL / SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE WEARING COURSE SHALL BE TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE AND THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12, "AGGREGATE SHOULDERS (MOD.)".
- ITEM 604.412 IS AN ESTIMATED QUANTITY AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL DI'S AND CB'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- ESTIMATED QUANTITIES OF ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", AND 608.37, "TRUCK RENTAL", HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARD RAIL END SECTIONS WITH EARTH BORROW. THE GUARD RAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED 3-INCH DEPTH OF AGGREGATE SHOULDERS (MOD.) UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDERS (MOD.) FOR EACH GUARD RAIL TERMINAL AND 25 CY OF EARTH BORROW.
- COMPACTION, GRADING AND CLEANUP OF ITEM 402.12 "AGGREGATE SHOULDERS (MOD.)" AND ITEM 651.35 "TOPSOIL" ARE TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
- EXISTING WEIGH-IN-MOTION (WIM) SYSTEMS ARE PRESENT AT MILEMARKER 8.75 (APPROXIMATE STA. 462+00) AND MILEMARKER 11.5 (APPROXIMATE STA. 607+20). DETAILS ON WORK AT LOCATIONS OF WIM SYSTEMS ARE GIVEN IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
- ITEM 203.99, "SHOULDER BERM REMOVAL", IS AN ESTIMATED QUANTITY TO BE USED IN NECESSARY LOCATIONS, OR AS DIRECTED BY THE RESIDENT ENGINEER. THE PLAN QUANTITY REPRESENTS BERM REMOVAL FOR 80% OF THE RETAINED GUARDRAIL LENGTH.

|                                 |                                    |                             |
|---------------------------------|------------------------------------|-----------------------------|
| <b>TYPICAL SECTIONS SHEET 1</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:4 |
|                                 | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                                 | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                                 | PROJECT LEADER: EPD                | SHEET 3 OF 48               |
| DESIGNED BY: JDA                |                                    |                             |
| PLOT FILE: p04b032+typ1.l       |                                    |                             |

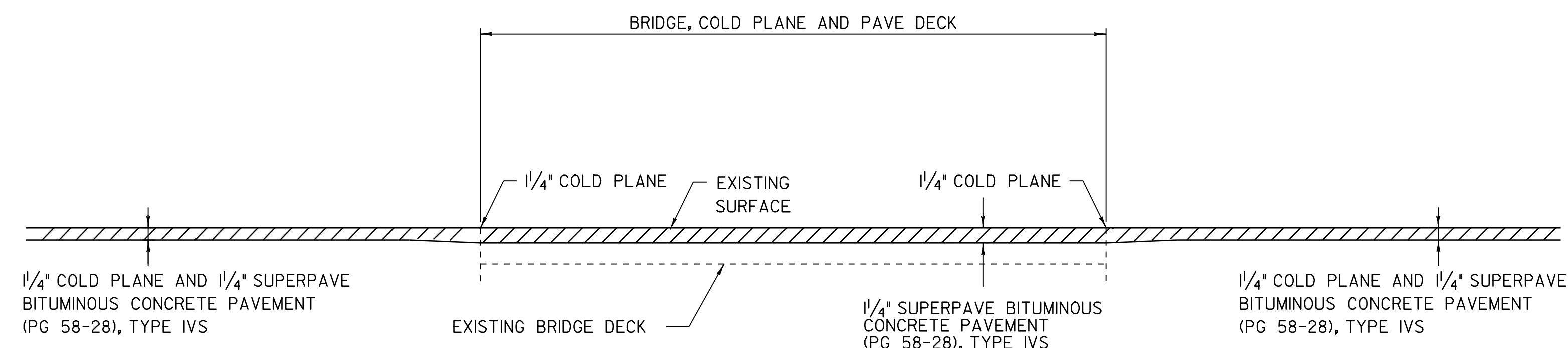


**COLD PLANE DETAIL AT BRIDGES**

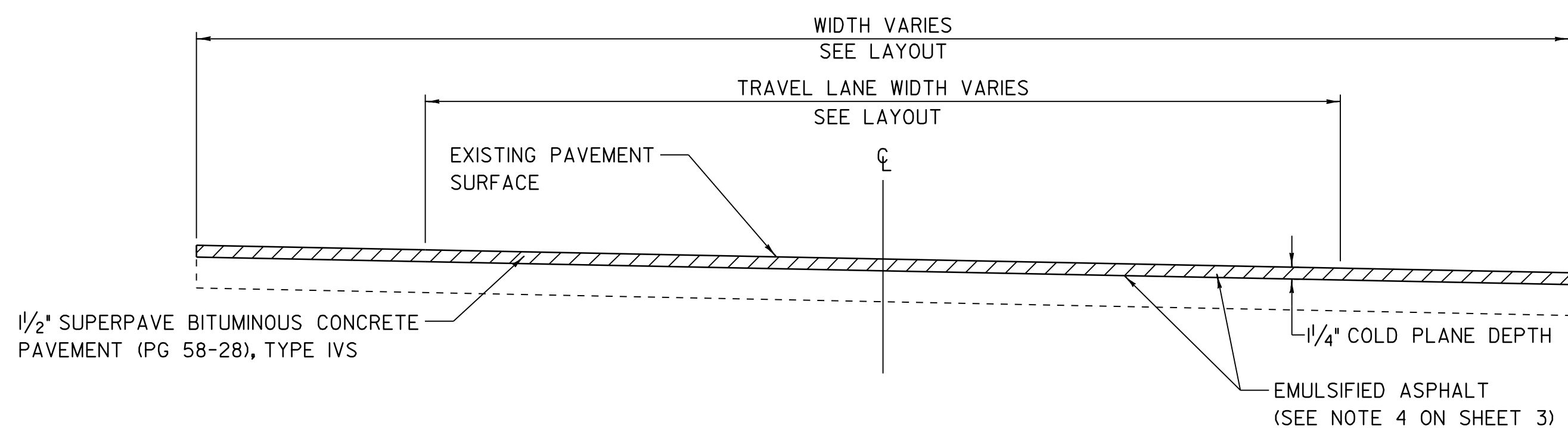
LOCATION  
 STA. 5+57.32 - STA. 8+80.93 RAMP A  
 STA. 14+67.56 - STA. 16+33.72 RAMP D

**NOTE:**

- REFER TO SHEET 45 FOR ASPHALTIC PLUG JOINT LOCATIONS AND DETAILS. ALL NEW JOINTS TO BE PAID FOR UNDER ITEM 516.10, "BRIDGE EXPANSION JOINT (ASPHALTIC PLUG)".

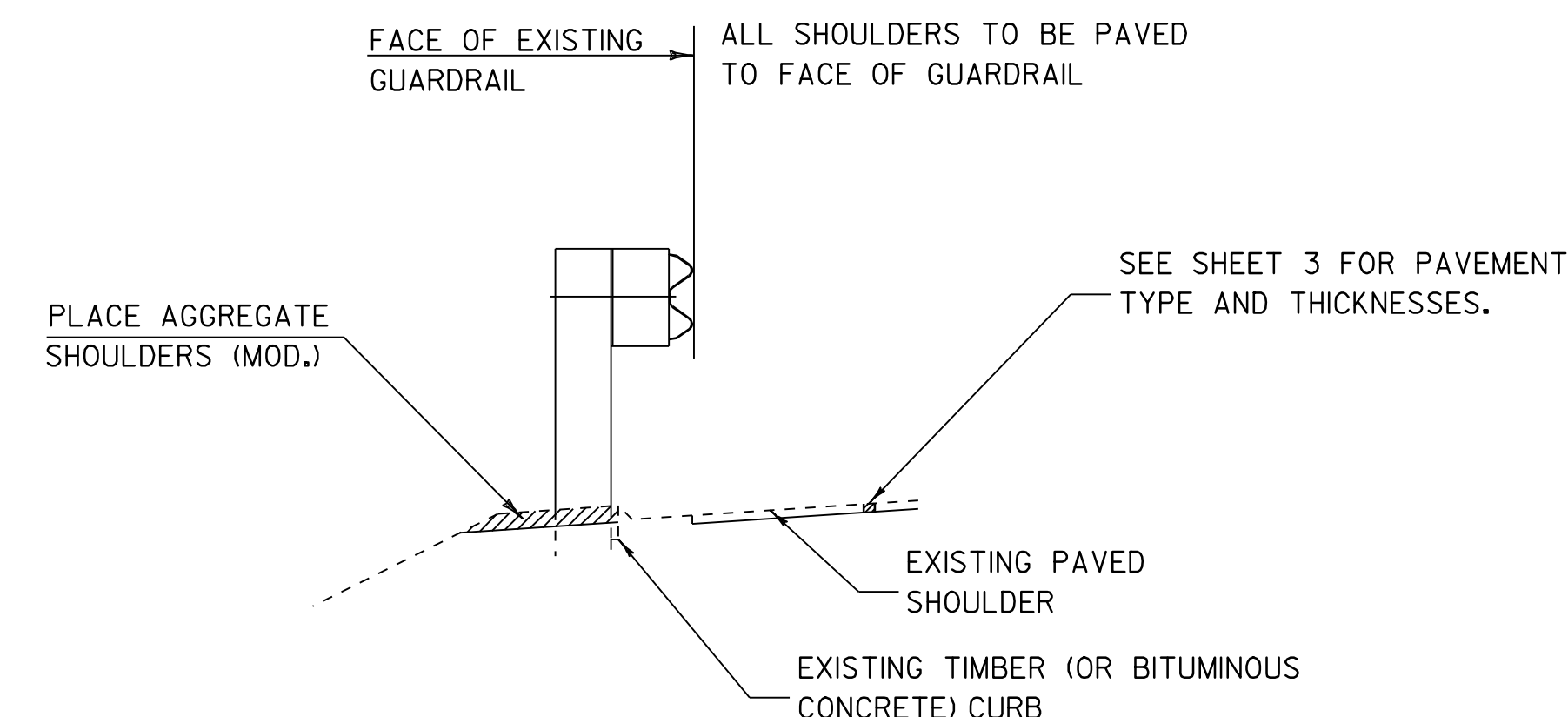


**COLD PLANE DETAIL AT ESSEX WAY BRIDGE**



**TYPICAL BRIDGE SECTION ON EXIT 7 RAMP**

LOCATION  
 STA. 5+57.32 - STA. 8+80.93 RAMP A  
 STA. 14+67.56 - STA. 16+33.72 RAMP D

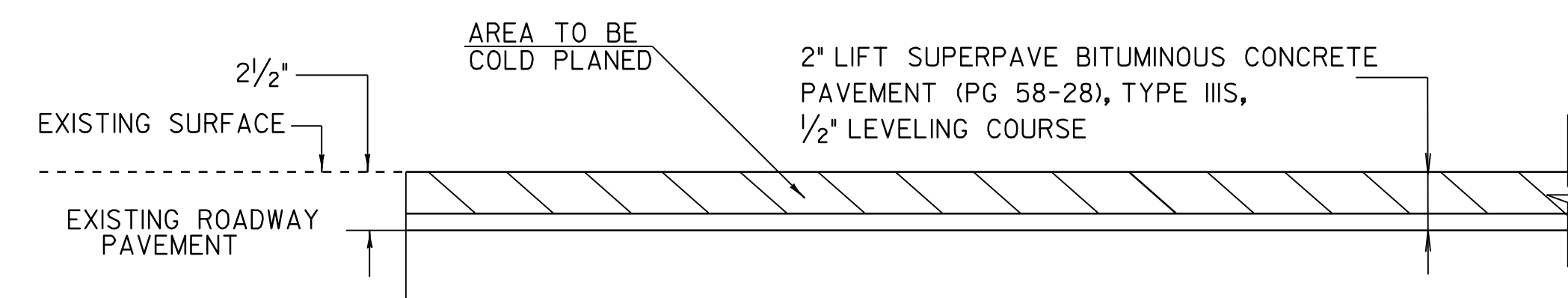


**TYPICAL SECTION AT GUARDRAIL**

(EXISTING STEEL BEAM WITH CURBING)

**NOTE:**

- ESTIMATED QUANTITIES OF BITUMINOUS CONCRETE CURB AND TREATED TIMBER CURB HAVE BEEN ADDED TO REPLACE DAMAGED OR MISSING CURB, AS DIRECTED BY THE RESIDENT ENGINEER. AN ESTIMATED QUANTITY OF EXISTING CURB REMOVAL HAS ALSO BEEN INCLUDED FOR THE PROVISION OF REMOVING DAMAGED TREATED TIMBER OR BITUMINOUS CURB, AS DIRECTED BY THE RESIDENT ENGINEER. SEE DETAIL FOR BITUMINOUS CURB ON SHEET 45.



**BUTT JOINT DETAIL**

LOCATION  
 STA. 412+78.59  
 STA. 581+90 - STA. 583+00 LT  
 STA. 586+50 - STA. 589+00 LT  
 STA. 624+54.50

SEE LAYOUT SHEETS FOR STATIONING OF BUTT JOINTS AT THE ENDS OF RAMP.

**NOTE:**

- PAVEMENT THICKNESSES SHOWN ARE FOR THE MAINLINE TRAVEL LANES AND RAMP. FOR PAVEMENT THICKNESSES ON THE MAINLINE SHOULDERS, SEE THE MAINLINE TYPICAL SECTION DETAIL ON SHEET 3. FOR PAVEMENT THICKNESSES ON ESSEX WAY, REFER TO THE COLD PLANE DETAIL AT ESSEX WAY BRIDGE DETAIL, THIS SHEET.
- BUTT JOINTS ARE TO BE LOCATED AT THE END OF EACH RAMP WITHIN THE PROJECT AREA, AS SHOWN ON THE LAYOUT SHEETS.

**DETAILS NOT TO SCALE**

|                                 |                                    |                             |
|---------------------------------|------------------------------------|-----------------------------|
| <b>TYPICAL SECTIONS SHEET 2</b> | PROJECT NAME: ESSEX                |                             |
|                                 | PROJECT NUMBER: NH 2403 (1)S       |                             |
|                                 | FILE NAME: pave/04b032/p04b032.dgn | PLOT DATE: 23-APR-2009 15:4 |
|                                 | PROJECT LEADER: EPD                | DRAWN BY: SJB, RHB          |
| DESIGNED BY: JDA                | CHECKED BY: EPD                    |                             |
| PLOT FILE: p04b032+yp2.l        | SHEET 4 OF 48                      |                             |





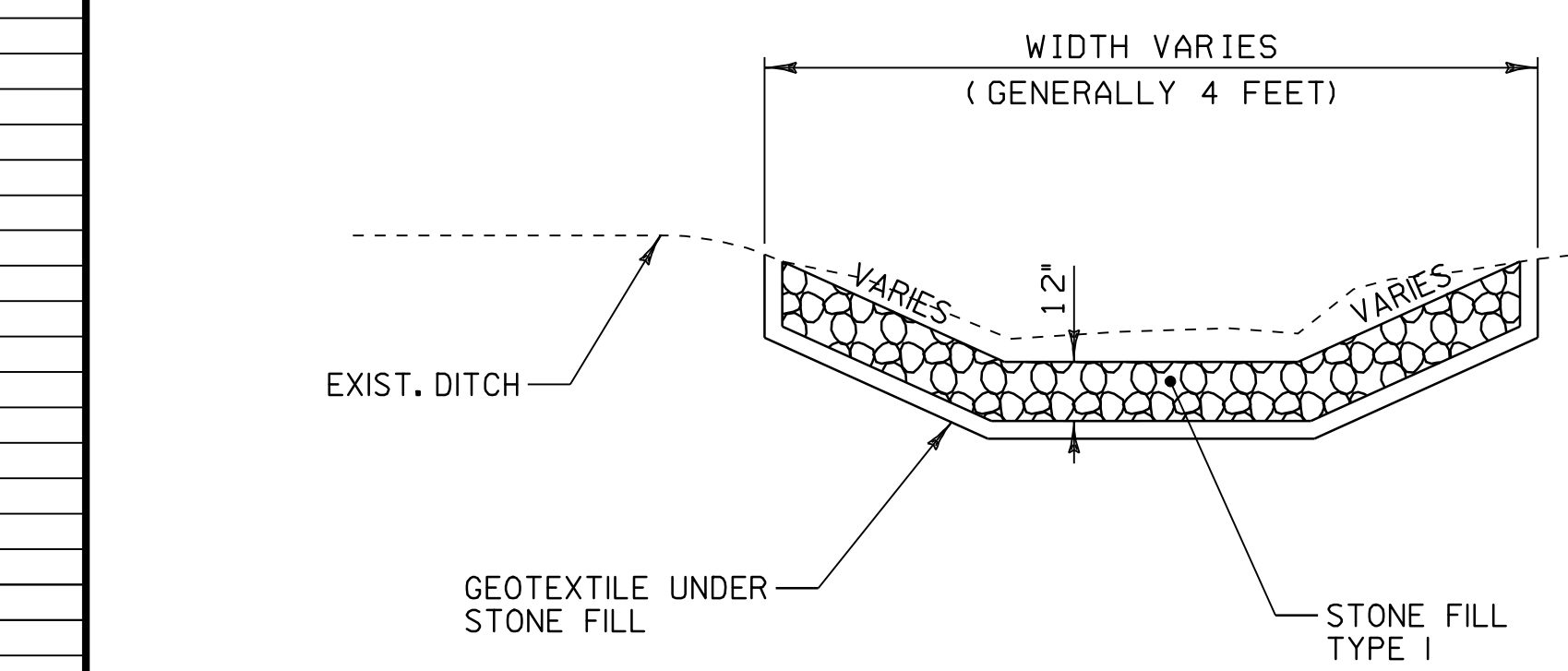
**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

**ITEM DETAIL SHEET**

| BEGIN STATION     | END STATION        | POS.  | 201.31<br>THIN TRIM FOR SIGNS | 203.15<br>COMMON EXCAV. | 203.30<br>EARTH BORROW | 203.99<br>SHOULDER BERM REMOVAL | 204.20<br>TRENCH EXCAV. OF EARTH (N.A.B.I.) | 402.12<br>AGG. SHOULD. (MOD.) | 604.412<br>REHAB. D. I. CLASS I | 616.30<br>BIT. CONC. CURB TYP. A | 616.35<br>TREATED TIMBER CURB | 616.40<br>REMOVE & RESET CURB | 616.41<br>REMOVE EXIST. CURB | 616.47<br>BIT. CONC. GUTTERS & TRAFFIC ISLAND | 621.20<br>STEEL BEAM G. R. | 621.20<br>STEEL BEAM G. R. W/ 8' POSTS (MOD.) | 621.505<br>MANUF. TERMINAL SECTION (FLARED) | 621.60<br>ANCHOR FOR G. R. | 621.75<br>REMOVE AND RESET G. R. | 621.76<br>REPLACE G. R. POST | 621.77<br>REPLACE G. R. BEAM | 621.80<br>REMOVE & DISP. OF G. R. | 621.81<br>REMOVE & DISP. OF GUIDE POSTS | 676.10<br>DELINE. WITH STEEL POSTS | REMARKS   |  |  |
|-------------------|--------------------|-------|-------------------------------|-------------------------|------------------------|---------------------------------|---|-------------------------------|---------------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------|---|----------------------------|---|---|----------------------------|----------------------------------|------------------------------|------------------------------|-----------------------------------|---|------------------------------------|---|--|--|
|                   |                    |       | EACH                          | CY                      | CY                     | LF                              | CY  | TON                           | EACH                            | TON                              | FT                            | FT                            | FT                           | TON   | FT                         | FT  | EACH  | EACH                       | FT                               | EA                           | EA                           | FT                                | FT                                      | EACH                               |   |  |  |
| 412+78.59         | 624+54.50          | LT-RT | 10                            | 500                     |                        |                                 | 1   | 600                           | 2                               |                                  |                               |                               |                              |   |                            |   |   |                            |                                  | 25                           | 65                           |                                   |   | 10                                 | ESTIMATE ITEMS TO BE USED AS NEEDED, OR AS DIRECTED BY THE RESIDENT ENGINEER. |  |  |
| EXIT 7 RAMP A     |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 1+11.93           | 24+40.00           | LT-RT |                               |                         |                        |                                 |   |                               | 6                               |                                  |                               |                               |                              | 2.54  |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 4+02.85           | 9+49.58            | LT    |                               |                         | 50                     | 377                             |   | 10                            |                                 |                                  | 145                           |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 3+76.95           | 9+57.72            | RT    |                               |                         | 50                     | 405                             |   | 10                            |                                 |                                  | 47                            |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 7 RAMP D     |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 1+00              | 19+25.99           | LT-RT |                               |                         |                        |                                 |   |                               | 2                               |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 12+41.57          | 17+54.77           | LT    |                               |                         | 50                     | 351                             |   | 10                            |                                 |                                  |                               |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 12+55.27          | 17+52.97           | RT    |                               |                         | 50                     | 338                             |   | 10                            |                                 |                                  |                               |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 9 RAMP A     |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 6+97.98           | 13+75.00           | LT    |                               |                         | 25                     | 512                             |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 9 RAMP B     |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 1+78.80           | 2+21.89            | LT    |                               |                         | 25                     |                                 |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 9 RAMP C     |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 9+47.07           | 10+90.00           | LT    |                               |                         | 25                     | 84                              |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 9 RAMP D     |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 2+24.00           | 2+90.30            | LT    |                               |                         | 25                     | 23                              |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 518+23.54         | 519+11.04          | RT    |                               |                         | 50                     |                                 |   | 10                            |                                 |                                  |                               |                               |                              |   | 12.5                       |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING AND EXTEND GUARDRAIL, INSTALL NEW MTS (FLARED) |  |
| 511+32.54         | 512+20.04          | LT    |                               |                         | 50                     |                                 |   | 10                            |                                 |                                  |                               |                               |                              |   | 12.5                       |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING AND EXTEND GUARDRAIL, INSTALL NEW MTS (FLARED) |  |
| EXIT 10 RAMP A    |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 5+17.47           | 9+45.00            | LT    |                               |                         | 25                     | 312                             |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 10 RAMP B    |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 1+00              | 13+71.00           | LT-RT |                               |                         |                        |                                 |   |                               | 1.1                             |                                  |                               | 78                            |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   | REFER TO DETAILS SHEET 45 FOR CURB DETAILS                     |  |
| 2+19.50           | 2+57.00            | LT    |                               |                         | 25                     |                                 |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 10 RAMP C    |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 1+00              | 12+76.00           | LT-RT |                               |                         |                        |                                 |   |                               | 1.3                             |                                  |                               | 91                            |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   | REFER TO DETAILS SHEET 45 FOR CURB DETAILS                     |  |
| EXIT 10 RAMP D    |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 2+49.50           | 2+87.00            | LT    |                               |                         | 25                     |                                 |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 549+77.75         | 558+93.94          | RT    |                               |                         | 50                     | 673                             |   | 10                            |                                 |                                  |                               |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 568+43.77         | 578+50.39          | RT    |                               |                         | 50                     | 745                             |   | 10                            |                                 |                                  |                               |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 583+43.15         | 588+05.44          | RT    |                               |                         | 50                     | 310                             |   | 10                            |                                 |                                  |                               |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| EXIT 12 RAMP B    |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 1+55.19           | 1+92.69            | RT    |                               |                         | 25                     |                                 |   | 5                             |                                 |                                  |                               |                               |                              |   |                            |   | 1   |                            |                                  |                              |                              |                                   | 37.5                                    |                                    | 1   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 7+35.04           | 10+22.42           | RT    |                               |                         | 50                     | 170                             |   | 10                            |                                 |                                  |                               |                               |                              |   |                            |   | 2   |                            |                                  |                              |                              |                                   | 75.0                                    |                                    | 2   | REMOVE EXISTING END TREATMENT, AND INSTALL NEW MTS (FLARED)    |  |
| 1+85.45           |                    | RT    |                               |                         |                        |                                 |   |                               | 1                               |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| EXIT 12 RAMP D    |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 13+33.89          |                    | RT    |                               |                         |                        |                                 |   |                               | 1                               |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| EXIT 10 ESSEX WAY |                    |       |                               |                         |                        |                                 |   |                               |                                 |                                  |                               |                               |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
| 0+00.00           | 9+40.00            | LT-RT |                               |                         |                        |                                 |   |                               | 5                               |                                  |                               | 20                            |                              |   |                            |   |   |                            |                                  |                              |                              |                                   |   |                                    |   |  |  |
|                   | <b>SUB-TOTAL</b>   |       | 10                            | 500                     | 700                    | 4300                            | 1   | 740                           | 17                              | 2.4                              | 192                           | 20                            | 169                          | 2.54  | 25.0                       |   | 28  |                            |                                  | EST.                         | EST.                         | 1050.0                            |   | 38                                 |   |  |  |
|                   | <b>ROUNDING</b>    |       | -                             | -                       | -                      | 100                             | -   | 60                            | -                               | 0.6                              | 58                            | 5                             | 21                           | 0.46  | -                          |   | -   |                            |                                  |                              |                              |                                   | -                                       |                                    | 12  |  |  |
|                   | <b>GRAND TOTAL</b> |       | 10                            | 500                     | 700                    | 4400                            | 1   | 800                           | 17                              | 3.0                              | 250                           | 25                            | 190                          | 3.0   | 25.0                       |   | 28  |                            |                                  | 25                           | 65                           | 1050.0                            |   | 50                                 |   |  |  |

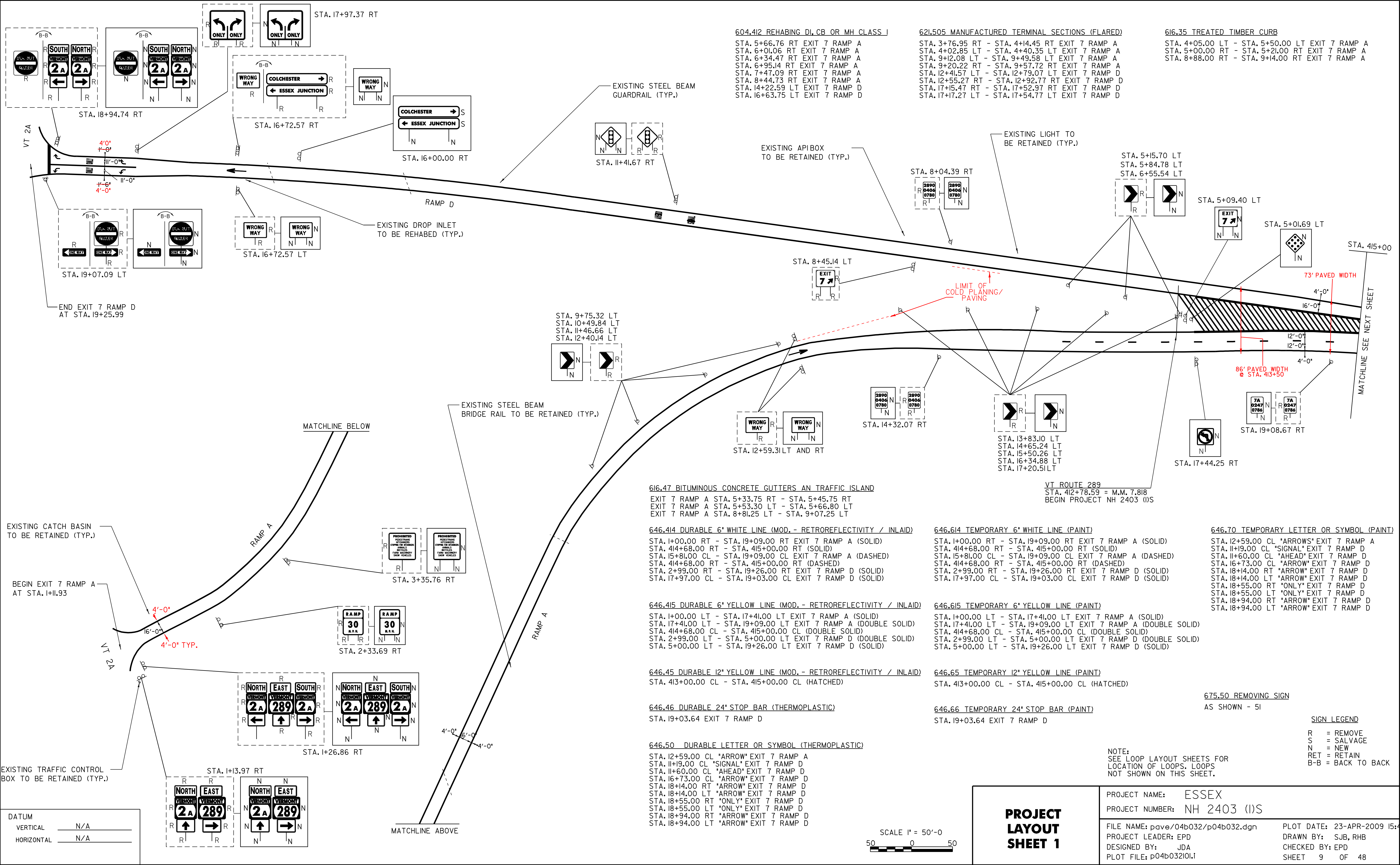
|  |                                    |                             |
|--|------------------------------------|-----------------------------|
| <b>ITEM<br/>DETAIL<br/>SUMMARY<br/>SHEET</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:4 |
|  | PROJECT NUMBER: NH 2403 (I)S       |                             |
|  | FILE NAME: pave/04b032/p04b032.dgn | DRAWN BY: SJB, RHB          |
|  | DESIGNED BY: JDA                   | CHECKED BY: EPD             |
|  | PLOT FILE: p04b032ids.l            | SHEET 7 OF 48               |

| LOCATION     |         |         |      | FEET OF DITCHING |       |        | MISC. ITEMS |                   |                        | REMARKS  |
|--------------|---------|---------|------|------------------|-------|--------|-------------|-------------------|------------------------|--|
| SITE         | STATION | STATION | POS. | PERCENT GRADE    |       |        | EROS. MATT. | STONE FILL TYP. I | GEOT. UNDER STONE FILL |  |
|              |         |         |      | 0-1              | 1-2.5 | 2.5-10 |             |                   |                        |  |
| VT 289 ESSEX |         |         |      |                  |       |        | SY          | CY                | SY                     |  |
| 1            | 1+00    | 5+94    | RT   |                  |       | 494    |             | 73                | 220                    | EXIT 12 OFF RAMP D   |
| 2            | 4+00    | 11+00   | LT   |                  |       | 700    |             | 104               | 311                    | EXIT 12 OFF RAMP D   |
| 3            | 6+75    | 10+55   | LT   |                  |       | 380    |             | 56                | 169                    | EXIT 12 ON RAMP B  |
| 4            | 12+50   | 14+90   | RT   |                  |       | 240    |             | 36                | 107                    | EXIT 12 ON RAMP B  |
| TOTAL        |         |         |      |                  |       | 1814   |             | 269               | 807                    |  |
|              |         |         |      |                  |       |        | 500         |                   |                        | ESTIMATED FOR USE IN LOCATIONS AS DIRECTED BY THE RESIDENT ENGINEER. |



**DITCH DETAIL**  
NOT TO SCALE

- NOTES:**
1. PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH PROJECT, SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
  2. ESTIMATED QUANTITIES OF EROSION MATTING, SEED, AND STONE FILL TYPE I HAVE BEEN INCLUDED. DITCHES WITH A GRADE LESS THAN 1 PERCENT SHALL BE SEEDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 1 AND 2.5 PERCENT. STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2.5 AND 10 PERCENT.



**604.412 REHABING DI, CB OR MH CLASS I**  
 STA. 5+66.76 RT EXIT 7 RAMP A  
 STA. 6+01.06 RT EXIT 7 RAMP A  
 STA. 6+34.47 RT EXIT 7 RAMP A  
 STA. 6+95.14 RT EXIT 7 RAMP A  
 STA. 7+47.09 RT EXIT 7 RAMP A  
 STA. 8+44.73 RT EXIT 7 RAMP A  
 STA. 14+22.59 LT EXIT 7 RAMP D  
 STA. 16+63.75 LT EXIT 7 RAMP D

**621.505 MANUFACTURED TERMINAL SECTIONS (FLARED)**  
 STA. 3+76.95 RT - STA. 4+14.45 RT EXIT 7 RAMP A  
 STA. 4+02.85 LT - STA. 4+40.35 LT EXIT 7 RAMP A  
 STA. 9+12.08 LT - STA. 9+49.58 LT EXIT 7 RAMP A  
 STA. 9+20.22 RT - STA. 9+57.72 RT EXIT 7 RAMP A  
 STA. 12+41.57 LT - STA. 12+79.07 LT EXIT 7 RAMP D  
 STA. 12+55.27 RT - STA. 12+92.77 RT EXIT 7 RAMP D  
 STA. 17+15.47 RT - STA. 17+52.97 RT EXIT 7 RAMP D  
 STA. 17+17.27 LT - STA. 17+54.77 LT EXIT 7 RAMP D

**616.35 TREATED TIMBER CURB**  
 STA. 4+05.00 LT - STA. 5+50.00 LT EXIT 7 RAMP A  
 STA. 5+00.00 RT - STA. 5+21.00 RT EXIT 7 RAMP A  
 STA. 8+88.00 RT - STA. 9+14.00 RT EXIT 7 RAMP A

**616.47 BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLAND**  
 EXIT 7 RAMP A STA. 5+33.75 RT - STA. 5+45.75 RT  
 EXIT 7 RAMP A STA. 5+53.30 LT - STA. 5+66.80 LT  
 EXIT 7 RAMP A STA. 8+81.25 LT - STA. 9+07.25 LT

**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 1+00.00 RT - STA. 19+09.00 RT EXIT 7 RAMP A (SOLID)  
 STA. 414+68.00 RT - STA. 415+00.00 RT (SOLID)  
 STA. 15+81.00 CL - STA. 19+09.00 CL EXIT 7 RAMP A (DASHED)  
 STA. 414+68.00 RT - STA. 415+00.00 RT (DASHED)  
 STA. 2+99.00 RT - STA. 19+26.00 RT EXIT 7 RAMP D (SOLID)  
 STA. 17+97.00 CL - STA. 19+03.00 CL EXIT 7 RAMP D (SOLID)

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 1+00.00 LT - STA. 17+41.00 LT EXIT 7 RAMP A (SOLID)  
 STA. 17+41.00 LT - STA. 19+09.00 LT EXIT 7 RAMP A (DOUBLE SOLID)  
 STA. 414+68.00 CL - STA. 415+00.00 CL (DOUBLE SOLID)  
 STA. 2+99.00 LT - STA. 5+00.00 LT EXIT 7 RAMP D (DOUBLE SOLID)  
 STA. 5+00.00 LT - STA. 19+26.00 LT EXIT 7 RAMP D (SOLID)

**646.45 DURABLE 12" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 413+00.00 CL - STA. 415+00.00 CL (HATCHED)

**646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)**  
 STA. 19+03.64 EXIT 7 RAMP D

**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**  
 STA. 12+59.00 CL "ARROW" EXIT 7 RAMP A  
 STA. 11+19.00 CL "SIGNAL" EXIT 7 RAMP D  
 STA. 11+60.00 CL "AHEAD" EXIT 7 RAMP D  
 STA. 16+73.00 CL "ARROW" EXIT 7 RAMP D  
 STA. 18+14.00 RT "ARROW" EXIT 7 RAMP D  
 STA. 18+14.00 LT "ARROW" EXIT 7 RAMP D  
 STA. 18+55.00 RT "ONLY" EXIT 7 RAMP D  
 STA. 18+55.00 LT "ONLY" EXIT 7 RAMP D  
 STA. 18+94.00 RT "ARROW" EXIT 7 RAMP D  
 STA. 18+94.00 LT "ARROW" EXIT 7 RAMP D

**646.614 TEMPORARY 6" WHITE LINE (PAINT)**  
 STA. 1+00.00 RT - STA. 19+09.00 RT EXIT 7 RAMP A (SOLID)  
 STA. 414+68.00 RT - STA. 415+00.00 RT (SOLID)  
 STA. 15+81.00 CL - STA. 19+09.00 CL EXIT 7 RAMP A (DASHED)  
 STA. 414+68.00 RT - STA. 415+00.00 RT (DASHED)  
 STA. 2+99.00 RT - STA. 19+26.00 RT EXIT 7 RAMP D (SOLID)  
 STA. 17+97.00 CL - STA. 19+03.00 CL EXIT 7 RAMP D (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**  
 STA. 1+00.00 LT - STA. 17+41.00 LT EXIT 7 RAMP A (SOLID)  
 STA. 17+41.00 LT - STA. 19+09.00 LT EXIT 7 RAMP A (DOUBLE SOLID)  
 STA. 414+68.00 CL - STA. 415+00.00 CL (DOUBLE SOLID)  
 STA. 2+99.00 LT - STA. 5+00.00 LT EXIT 7 RAMP D (DOUBLE SOLID)  
 STA. 5+00.00 LT - STA. 19+26.00 LT EXIT 7 RAMP D (SOLID)

**646.65 TEMPORARY 12" YELLOW LINE (PAINT)**  
 STA. 413+00.00 CL - STA. 415+00.00 CL (HATCHED)

**646.66 TEMPORARY 24" STOP BAR (PAINT)**  
 STA. 19+03.64 EXIT 7 RAMP D

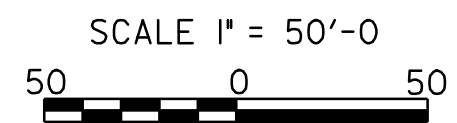
**646.70 TEMPORARY LETTER OR SYMBOL (PAINT)**  
 STA. 12+59.00 CL "ARROWS" EXIT 7 RAMP A  
 STA. 11+19.00 CL "SIGNAL" EXIT 7 RAMP D  
 STA. 11+60.00 CL "AHEAD" EXIT 7 RAMP D  
 STA. 16+73.00 CL "ARROW" EXIT 7 RAMP D  
 STA. 18+14.00 RT "ARROW" EXIT 7 RAMP D  
 STA. 18+14.00 LT "ARROW" EXIT 7 RAMP D  
 STA. 18+55.00 RT "ONLY" EXIT 7 RAMP D  
 STA. 18+55.00 LT "ONLY" EXIT 7 RAMP D  
 STA. 18+94.00 RT "ARROW" EXIT 7 RAMP D  
 STA. 18+94.00 LT "ARROW" EXIT 7 RAMP D

**675.50 REMOVING SIGN**  
 AS SHOWN - 51

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

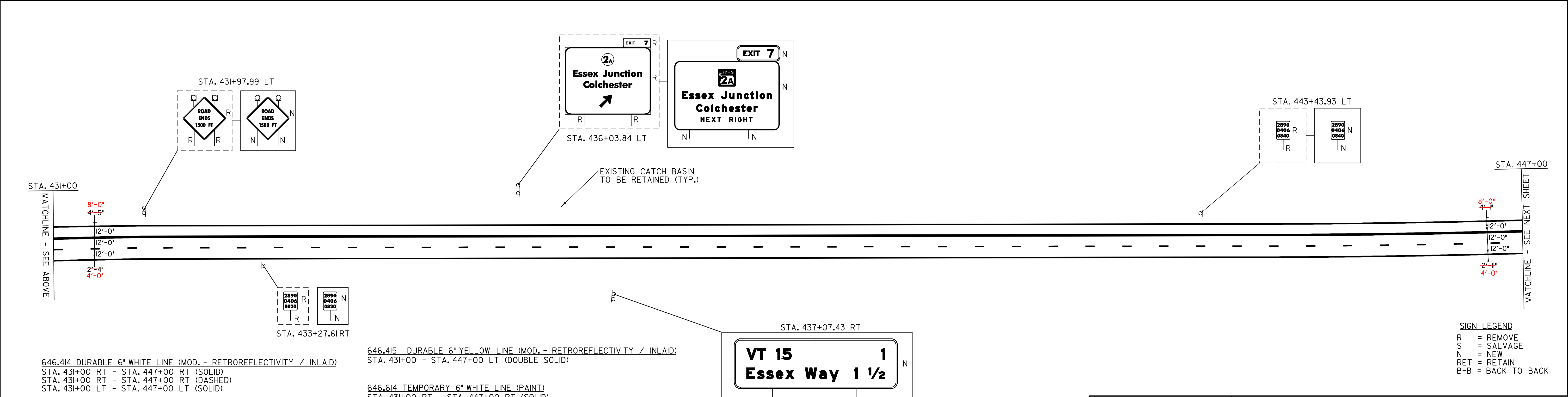
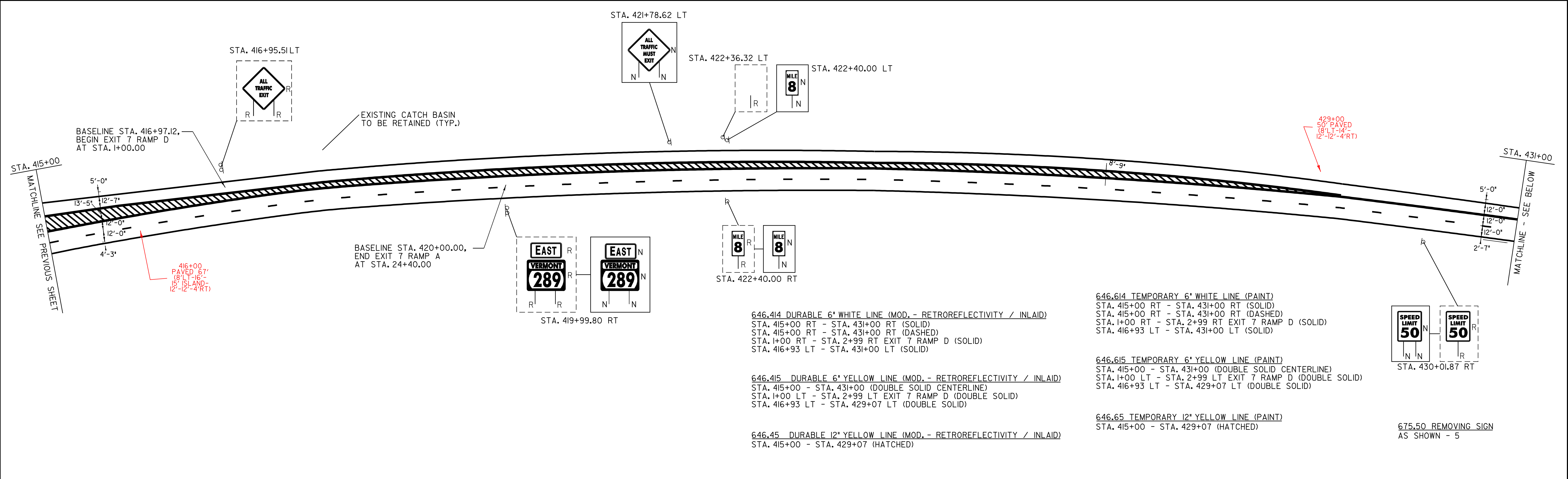
NOTE:  
 SEE LOOP LAYOUT SHEETS FOR  
 LOCATION OF LOOPS. LOOPS  
 NOT SHOWN ON THIS SHEET.

**PROJECT LAYOUT SHEET 1**



|                                    |                             |
|------------------------------------|-----------------------------|
| PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:4 |
| PROJECT NUMBER: NH 2403 (1S)       | DRAWN BY: SJB, RHB          |
| FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
| PROJECT LEADER: EPD                | SHEET 9 OF 48               |
| DESIGNED BY: JDA                   |                             |
| PLOT FILE: p04b032101              |                             |

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |



|   |                               |  |   |
|---|-------------------------------|--|---|
| DATUM<br>VERTICAL N/A<br>HORIZONTAL N/A | <b>PROJECT LAYOUT SHEET 2</b> | PROJECT NAME: ESSEX<br>PROJECT NUMBER: NH 2403 (1)S  | PLOT DATE: 23-APR-2009 15:4<br>DRAWN BY: SJB, RHB |
|   |                               | FILE NAME: pave/04b032/p04b032.dgn<br>PROJECT LEADER: EPD<br>DESIGNED BY: JDA<br>PLOT FILE: p04b032102.i | CHECKED BY: EPD<br>SHEET 10 OF 48                 |

SCALE 1" = 50'-0"  
 50 0 50

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

646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)

STA. 447+00 RT - STA. 463+00 RT (SOLID)  
STA. 447+00 LT - STA. 463+00 LT (SOLID)  
STA. 447+00 RT - STA. 453+62.58 RT (DASHED)

646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)

STA. 447+00 - STA. 463+00  
(DOUBLE SOLID CENTERLINE)

646.614 TEMPORARY 6" WHITE LINE (PAINT)

STA. 447+00 RT - STA. 463+00 RT (SOLID)  
STA. 447+00 LT - STA. 463+00 LT (SOLID)

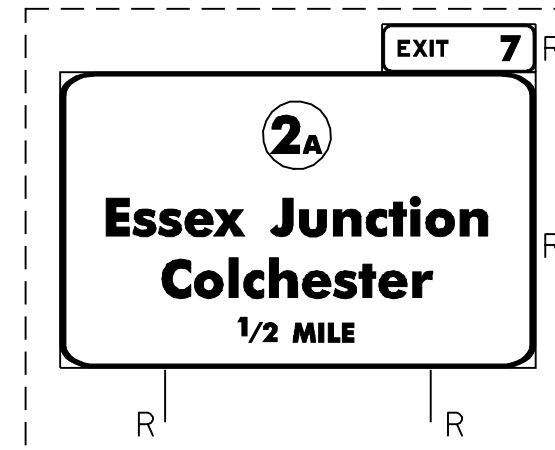
646.615 TEMPORARY 6" YELLOW LINE (PAINT)

STA. 447+00 - STA. 463+00  
(DOUBLE SOLID CENTERLINE)

675.50 REMOVING SIGN

AS SHOWN - 7

STA. 456+65.00 LT

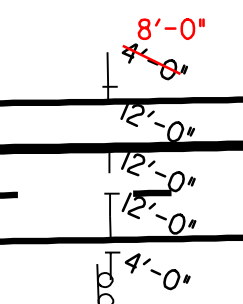


STA. 463+00

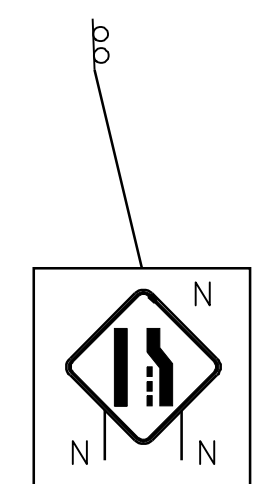
MATCHLINE - SEE BELOW

STA. 447+00

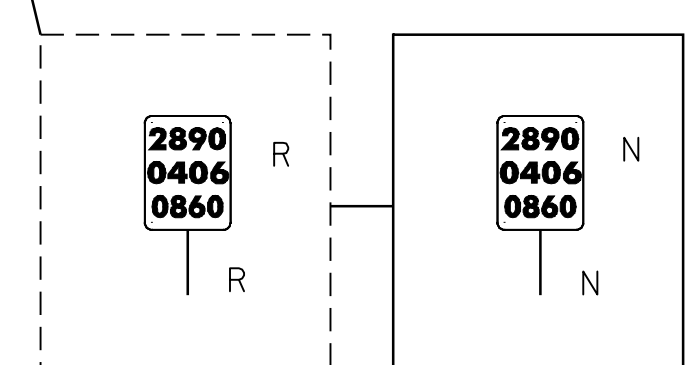
MATCHLINE - SEE PREVIOUS SHEET



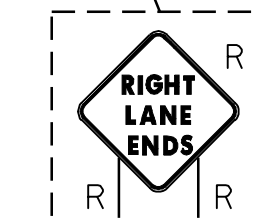
STA. 448+50.00 RT



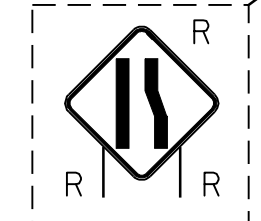
STA. 451+50.00 RT



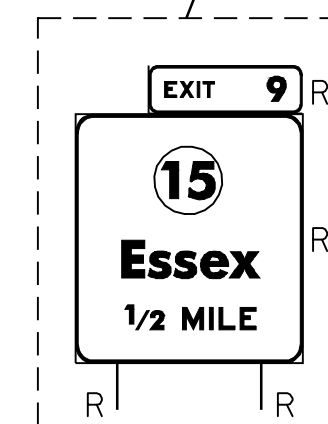
STA. 454+06.08 RT



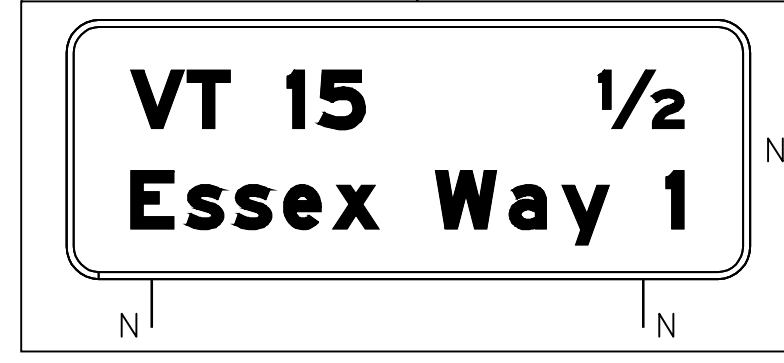
STA. 456+48.10 RT



STA. 459+98.64 RT



STA. 460+64.87 RT



STA. 462+00.00

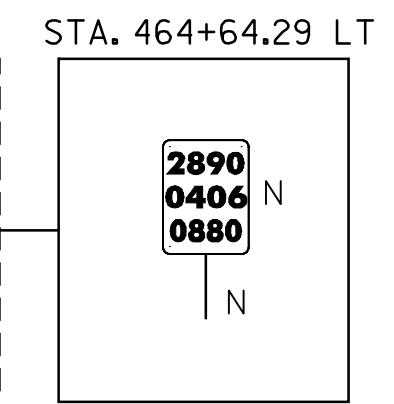
STA. 463+00

MATCHLINE - SEE ABOVE

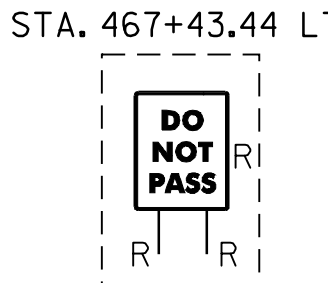
8'-0" SHOULDER

8'-0" SHOULDER

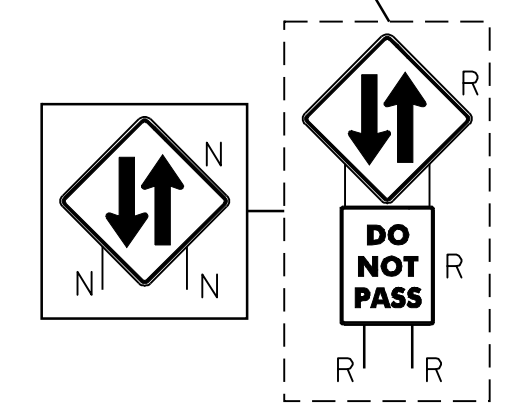
EXISTING AUTOMATIC TRAFFIC RECORDER TO REMAIN



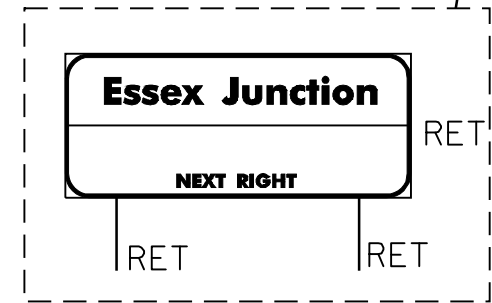
STA. 464+64.29 LT



STA. 467+43.44 LT



STA. 467+45.06 RT



STA. 470+12.12 RT

646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)  
STA. 463+00 RT - STA. 479+00 RT (SOLID)  
STA. 463+00 LT - STA. 479+00 LT (SOLID)

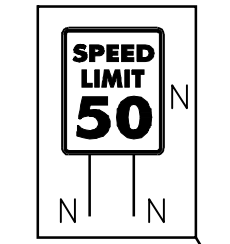
646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)  
STA. 463+00 - STA. 479+00  
(DOUBLE SOLID CENTERLINE)

646.614 TEMPORARY 6" WHITE LINE (PAINT)  
STA. 463+00 RT - STA. 479+00 RT (SOLID)  
STA. 463+00 LT - STA. 479+00 LT (SOLID)

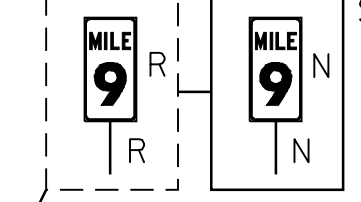
646.615 TEMPORARY 6" YELLOW LINE (PAINT)  
STA. 463+00 - STA. 479+00  
(DOUBLE SOLID CENTERLINE)

675.50 REMOVING SIGN  
AS SHOWN - 6

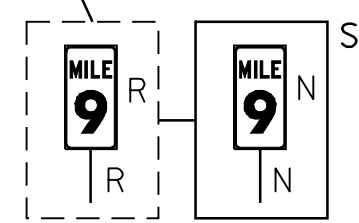
STA. 475+19.70 LT



STA. 475+19.70 LT



STA. 475+20.00 LT



STA. 475+23.53 RT

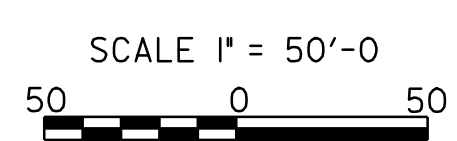
STA. 475+20.00 RT

STA. 479+00

MATCHLINE - SEE NEXT SHEET

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

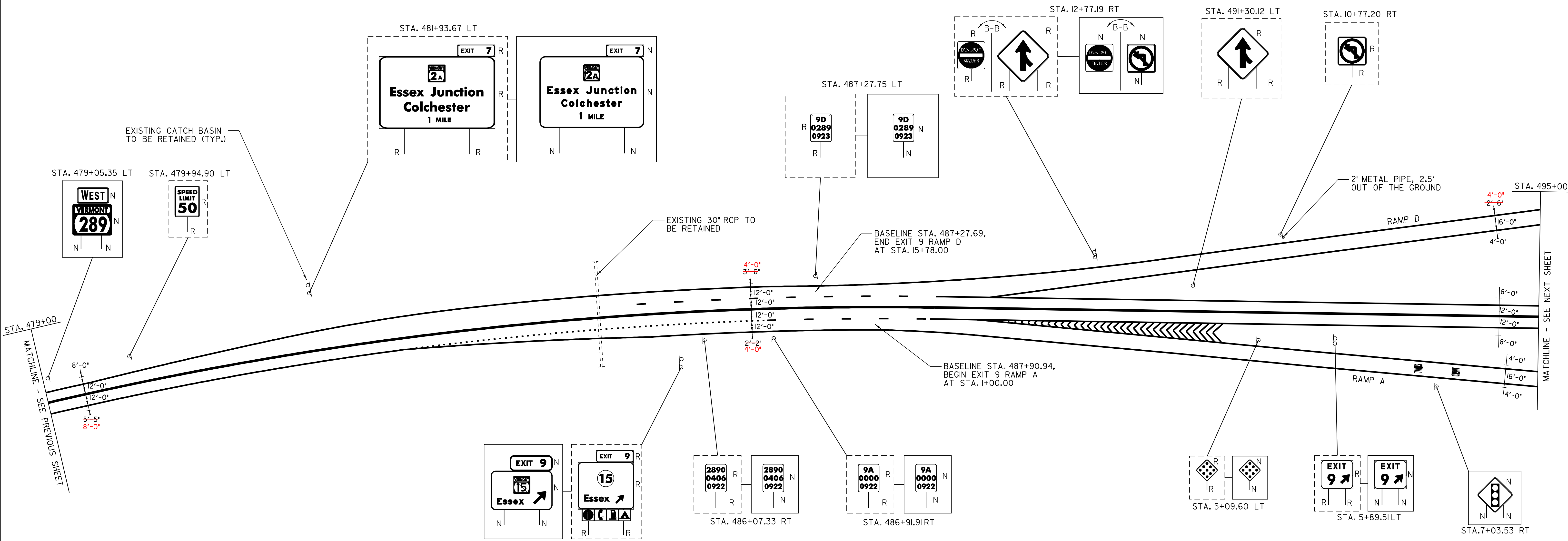
DATUM  
VERTICAL N/A  
HORIZONTAL N/A



PROJECT LAYOUT SHEET 3

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S

FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032103.1  
PLOT DATE: 23-APR-2009 15:4  
DRAWN BY: SJB, RHB  
CHECKED BY: EPD  
SHEET 11 OF 48



**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 479+00 RT - STA. 482+86 RT (SOLID)  
 STA. 482+86 RT - STA. 486+75 RT (DOTTED)  
 STA. 486+75 RT - STA. 488+49 RT (DASHED)  
 STA. 488+49 RT - STA. 489+00 RT (SOLID)  
 STA. 491+63 RT - STA. 495+00 RT (SOLID)  
 STA. 479+00 LT - STA. 487+28 LT (SOLID)  
 STA. 8+00 RT - STA. 15+78 RT EXIT 9 RAMP D (SOLID)  
 STA. 485+38 LT - STA. 488+56 LT (DASHED)  
 STA. 488+56 LT - STA. 489+13 LT (SOLID)  
 STA. 490+28 LT - STA. 495+00 LT (SOLID)  
 STA. 482+86 RT - STA. 487+89 RT (SOLID)  
 STA. 1+00 RT - STA. 8+11RT EXIT 9 RAMP A (SOLID)

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 479+00 - STA. 495+00 (DOUBLE SOLID CENTERLINE)  
 STA. 4+71LT - STA. 8+11LT EXIT 9 RAMP A (SOLID)  
 STA. 8+00 LT - STA. 12+79 LT EXIT 9 RAMP D (SOLID)

**646.44 DURABLE 12" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 489+00 RT - STA. 491+63 RT (SOLID)  
 STA. 2+09 LT - STA. 4+71LT EXIT 9 RAMP A (SOLID)  
 STA. 489+00 RT - STA. 491+63 RT (HATCHED)  
 STA. 489+13 LT - STA. 490+28 LT (SOLID)  
 STA. 12+79 LT - STA. 13+93 LT (SOLID)

**646.614 TEMPORARY 6" WHITE LINE (PAINT)**  
 STA. 479+00 RT - STA. 482+86 RT (SOLID)  
 STA. 482+86 RT - STA. 486+75 RT (DOTTED)  
 STA. 486+75 RT - STA. 488+49 RT (DASHED)  
 STA. 488+49 RT - STA. 489+00 RT (SOLID)  
 STA. 491+63 RT - STA. 495+00 RT (SOLID)  
 STA. 479+00 LT - STA. 487+28 LT (SOLID)  
 STA. 8+00 RT - STA. 15+78 RT EXIT 9 RAMP D (SOLID)  
 STA. 485+38 LT - STA. 488+56 LT (DASHED)  
 STA. 488+56 LT - STA. 489+13 LT (SOLID)  
 STA. 490+28 LT - STA. 495+00 LT (SOLID)  
 STA. 482+86 RT - STA. 487+89 RT (SOLID)  
 STA. 1+00 RT - STA. 8+11RT EXIT 9 RAMP A (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**  
 STA. 479+00 - STA. 495+00 (DOUBLE SOLID CENTERLINE)  
 STA. 4+71LT - STA. 8+11LT EXIT 9 RAMP A (SOLID)  
 STA. 8+00 LT - STA. 12+79 LT EXIT 9 RAMP D (SOLID)

**646.64 TEMPORARY 12" WHITE LINE (PAINT)**  
 STA. 489+00 RT - STA. 491+63 RT (SOLID)  
 STA. 2+09 LT - STA. 4+71LT EXIT 9 RAMP A (SOLID)  
 STA. 489+00 RT - STA. 491+63 RT (HATCHED)  
 STA. 489+13 LT - STA. 490+28 LT (SOLID)  
 STA. 12+79 LT - STA. 13+93 LT (SOLID)

**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**  
 STA. 6+82.00 EXIT 9 RAMP A "SIGNAL"  
 STA. 7+22.00 EXIT 9 RAMP A "AHEAD"

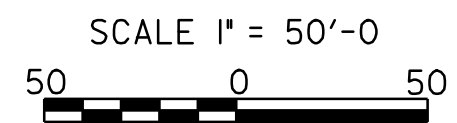
**621.505 MANUFACTURED TERMINAL SECTIONS (FLARED)**  
 STA. 6+97.98 LT - STA. 7+35.48 LT EXIT 9 RAMP A

**646.70 TEMPORARY LETTER OR SYMBOL (PAINT)**  
 STA. 6+82.00 EXIT 9 RAMP A "SIGNAL"  
 STA. 7+22.00 EXIT 9 RAMP A "AHEAD"

**675.50 REMOVING SIGN**  
 AS SHOWN - 18

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

**DATUM**  
 VERTICAL N/A  
 HORIZONTAL N/A



|                               |                                    |                             |
|-------------------------------|------------------------------------|-----------------------------|
| <b>PROJECT LAYOUT SHEET 4</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:4 |
|                               | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                               | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                               | PROJECT LEADER: EPD                | SHEET 12 OF 48              |

**618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (MOD.)**  
 STA. 1+53 LT RAMP B (5 FEET)  
 STA. 1+25 LT RAMP C (5 FEET)

**618.30 DETECTABLE WARNING SURFACE**  
 STA. 1+53 LT RAMP B  
 STA. 1+25 LT RAMP C

**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 495+00 RT - STA. 506+94 RT (SOLID)  
 STA. 508+38 RT - STA. 511+00 RT (DASHED)  
 STA. 495+00 LT - STA. 509+37 LT (SOLID)  
 STA. 8+11 RT - STA. 14+38 RT EXIT 9 RAMP A (SOLID)  
 STA. 13+70 LT - STA. 13+91 LT EXIT 9 RAMP A (SOLID)  
 STA. 1+00 RT - STA. 9+92 RT EXIT 9 RAMP B (SOLID)  
 STA. 509+28 RT - STA. 511+00 RT (SOLID)  
 STA. 1+60 LT - STA. 1+83 LT EXIT 9 RAMP B (SOLID)  
 STA. 2+61 RT - STA. 11+61 RT EXIT 9 RAMP C (SOLID)  
 STA. 10+82 LT - STA. 11+12 LT EXIT 9 RAMP C (SOLID)  
 STA. 1+00 RT - STA. 8+00 RT EXIT 9 RAMP D (SOLID)  
 STA. 2+07 LT - STA. 2+61 LT EXIT 9 RAMP D (SOLID)

**646.44 DURABLE 12" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 509+37 LT - STA. 511+00 LT (SOLID)  
 STA. 2+62 LT - STA. 4+20 LT EXIT 9 RAMP C (SOLID)  
 STA. 509+37 LT - STA. 511+00 LT (HATCHED)  
 STA. 506+94 RT - STA. 508+38 RT (SOLID)  
 STA. 7+56 LT - STA. 9+00 LT EXIT 9 RAMP B (SOLID)

**646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)**  
 STA. 13+85.00 EXIT 9 RAMP A  
 STA. 14+9.00 EXIT 9 RAMP A  
 STA. 11+06.00 EXIT 9 RAMP C  
 STA. 11+33.00 EXIT 9 RAMP C

**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**  
 STA. 11+60.43 EXIT 9 RAMP A "ARROW"  
 STA. 13+91.00 EXIT 9 RAMP A "STOP"  
 STA. 1+71.36 EXIT 9 RAMP B "YIELD TRIANGLES" (5)  
 STA. 5+40.00 EXIT 9 RAMP C "SIGNAL"  
 STA. 5+81.00 EXIT 9 RAMP C "AHEAD"  
 STA. 8+83.11 EXIT 9 RAMP C "ARROW"  
 STA. 11+25.00 EXIT 9 RAMP C "STOP"  
 STA. 2+30.61 EXIT 9 RAMP D "YIELD TRIANGLES" (5)

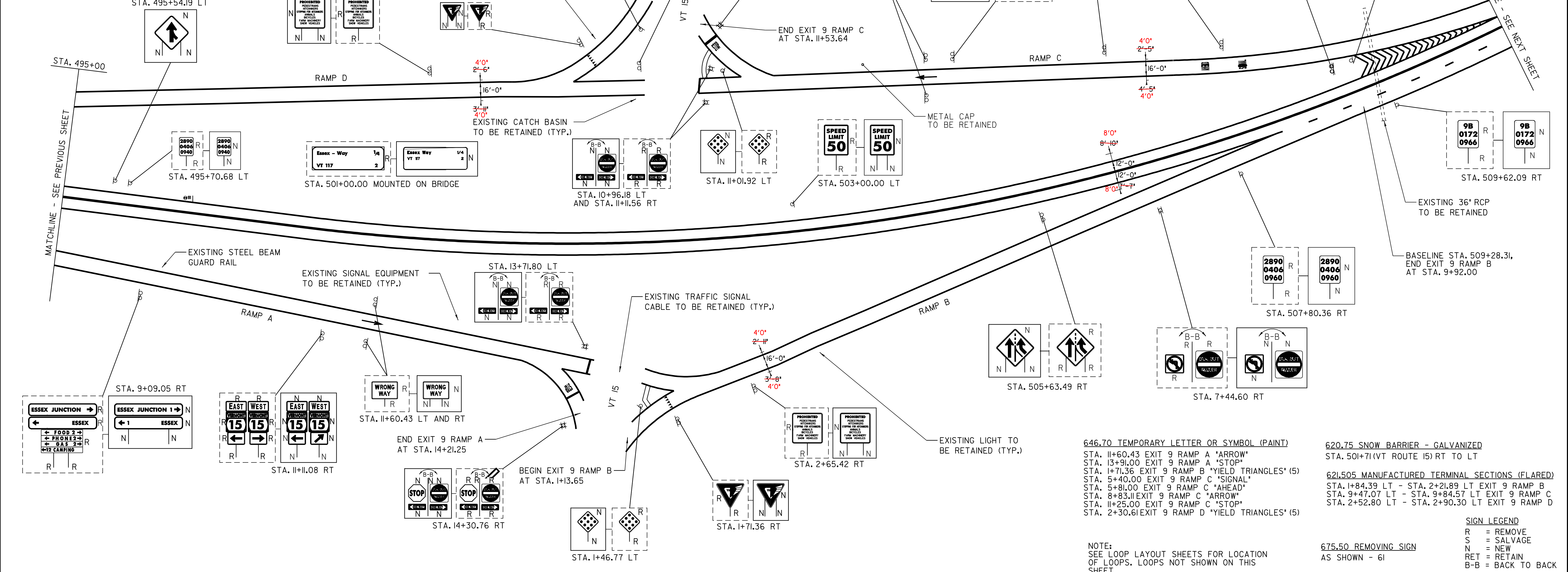
**646.614 TEMPORARY 6" WHITE LINE (PAINT)**  
 STA. 495+00 RT - STA. 506+94 RT (SOLID)  
 STA. 508+38 RT - STA. 511+00 RT (DASHED)  
 STA. 495+00 LT - STA. 509+37 LT (SOLID)  
 STA. 8+11 RT - STA. 14+38 RT EXIT 9 RAMP A (SOLID)  
 STA. 13+70 LT - STA. 13+91 LT EXIT 9 RAMP A (SOLID)  
 STA. 1+00 RT - STA. 9+92 RT EXIT 9 RAMP B (SOLID)  
 STA. 509+28 RT - STA. 511+00 RT (SOLID)  
 STA. 1+60 LT - STA. 1+83 LT EXIT 9 RAMP B (SOLID)  
 STA. 2+61 RT - STA. 11+61 RT EXIT 9 RAMP C (SOLID)  
 STA. 10+82 LT - STA. 11+12 LT EXIT 9 RAMP C (SOLID)  
 STA. 1+00 RT - STA. 8+00 RT EXIT 9 RAMP D (SOLID)  
 STA. 2+07 LT - STA. 2+61 LT EXIT 9 RAMP D (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**  
 STA. 495+00 - STA. 511+00 (DOUBLE SOLID CENTERLINE)  
 STA. 8+11 RT - STA. 13+84 LT EXIT 9 RAMP A (SOLID)  
 STA. 13+70 LT - STA. 14+13 LT EXIT 9 RAMP A (SOLID)  
 STA. 1+30 LT - STA. 1+83 LT EXIT 9 RAMP B (SOLID)  
 STA. 1+68 LT - STA. 7+56 LT EXIT 9 RAMP B (SOLID)  
 STA. 4+20 LT - STA. 11+06 LT EXIT 9 RAMP C (SOLID)  
 STA. 10+82 LT - STA. 11+45 LT EXIT 9 RAMP C (SOLID)  
 STA. 2+17 LT - STA. 8+00 LT EXIT 9 RAMP D (SOLID)  
 STA. 1+50 LT - STA. 2+61 LT EXIT 9 RAMP D (SOLID)

**646.64 TEMPORARY 12" WHITE LINE (PAINT)**  
 STA. 509+37 LT - STA. 511+00 LT (SOLID)  
 STA. 2+62 LT - STA. 4+20 LT EXIT 9 RAMP C (SOLID)  
 STA. 509+37 LT - STA. 511+00 LT (HATCHED)  
 STA. 506+94 RT - STA. 508+38 RT (SOLID)  
 STA. 7+56 LT - STA. 9+00 LT EXIT 9 RAMP B (SOLID)

**646.66 TEMPORARY 24" STOP BAR (PAINT)**  
 STA. 13+85.00 EXIT 9 RAMP A  
 STA. 14+9.00 EXIT 9 RAMP A  
 STA. 11+06.00 EXIT 9 RAMP C  
 STA. 11+33.00 EXIT 9 RAMP C

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 495+00 - STA. 511+00 (DOUBLE SOLID CENTERLINE)  
 STA. 8+11 RT - STA. 13+84 LT EXIT 9 RAMP A (SOLID)  
 STA. 13+70 LT - STA. 14+13 LT EXIT 9 RAMP A (SOLID)  
 STA. 1+30 LT - STA. 1+83 LT EXIT 9 RAMP B (SOLID)  
 STA. 1+68 LT - STA. 7+56 LT EXIT 9 RAMP B (SOLID)  
 STA. 4+20 LT - STA. 11+06 LT EXIT 9 RAMP C (SOLID)  
 STA. 10+82 LT - STA. 11+45 LT EXIT 9 RAMP C (SOLID)  
 STA. 2+17 LT - STA. 8+00 LT EXIT 9 RAMP D (SOLID)  
 STA. 1+50 LT - STA. 2+61 LT EXIT 9 RAMP D (SOLID)



| <p><b>PAVEMENT CORES -</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>TOTAL DEPTH (In.)</th> <th>PCC</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.5</td> <td>W</td> </tr> </tbody> </table> <p><b>DATUM</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">VERTICAL</td> <td>N/A</td> </tr> <tr> <td>HORIZONTAL</td> <td>N/A</td> </tr> </table> | NO.               | TOTAL DEPTH (In.) | PCC | 1 | 1.5 | W | VERTICAL | N/A | HORIZONTAL | N/A | <p>SCALE 1" = 50'-0"</p> | <p><b>PROJECT LAYOUT SHEET 5</b></p> | <p>PROJECT NAME: ESSEX<br/>       PROJECT NUMBER: NH 2403 (1S)</p> <p>FILE NAME: pave/04b032/p04b032.dgn<br/>       PROJECT LEADER: EPD<br/>       DESIGNED BY: JDA<br/>       PLOT FILE: p04b032105.1</p> <p>PLOT DATE: 23-APR-2009 15:4<br/>       DRAWN BY: SJB, RHB<br/>       CHECKED BY: EPD<br/>       SHEET 13 OF 48</p> |
|--|-------------------|-------------------|-----|---|-----|---|----------|-----|------------|-----|--------------------------|--------------------------------------|--|
| NO.  | TOTAL DEPTH (In.) | PCC               |     |   |     |   |          |     |            |     |                          |                                      |  |
| 1  | 1.5               | W                 |     |   |     |   |          |     |            |     |                          |                                      |  |
| VERTICAL   | N/A               |                   |     |   |     |   |          |     |            |     |                          |                                      |  |
| HORIZONTAL   | N/A               |                   |     |   |     |   |          |     |            |     |                          |                                      |  |

**621.20 STEEL BEAM GUARD RAIL (GALVANIZED)**

STA. 511+70.04 LT - STA. 511+82.54 LT  
 STA. 518+61.04 LT - STA. 518+73.54 LT

**621.505 MANUFACTURED TERMINAL SECTIONS (FLARED)**

STA. 511+32.54 LT - STA. 511+70.04 LT  
 STA. 511+82.54 LT - STA. 512+20.04 LT  
 STA. 518+23.54 RT - STA. 518+61.04 RT  
 STA. 518+73.54 RT - STA. 519+11.04 RT  
 STA. 5+17.47 LT - STA. 5+54.97 LT EXIT IO RAMP A

**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**

STA. 511+00 RT - STA. 518+20 RT (SOLID)  
 STA. 1+00 RT - STA. 9+00 RT EXIT IO RAMP A (SOLID)  
 STA. 511+00 RT - STA. 518+62 RT (DASHED)  
 STA. 518+62 RT - STA. 519+13 RT (SOLID)  
 STA. 521+01 RT - STA. 526+00 RT (SOLID)  
 STA. 511+00 LT - STA. 511+64 LT (SOLID)  
 STA. 511+64 LT - STA. 518+25 LT (DASHED)  
 STA. 518+25 LT - STA. 518+75 LT (SOLID)  
 STA. 519+38 LT - STA. 526+00 LT (SOLID)  
 STA. 1+00 RT - STA. 2+61 RT EXIT 9 RAMP C (SOLID)  
 STA. 512+63 LT - STA. 517+61.34 LT (SOLID)  
 STA. 2+75 RT - STA. 11+07 RT EXIT IO RAMP D (SOLID)  
 STA. 3+09 LT - STA. 3+50 LT EXIT IO RAMP D (SOLID)

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**

STA. 511+00 - STA. 526+00 (DOUBLE SOLID CENTERLINE)  
 STA. 3+80 LT - STA. 8+81 LT EXIT IO RAMP A (SOLID)  
 STA. 3+18 LT - STA. 9+33 LT EXIT IO RAMP D (SOLID)  
 STA. 2+90 LT - STA. 3+50 LT EXIT IO RAMP D (SOLID)

**646.44 DURABLE 12" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**

STA. 519+13 RT - STA. 521+01 RT (SOLID)  
 STA. 1+92 LT - STA. 3+84 LT EXIT IO RAMP A (SOLID)  
 STA. 519+13 RT - STA. 521+01 RT (HATCHED)  
 STA. 518+75 LT - STA. 519+38 LT (SOLID)  
 STA. 9+33 LT - STA. 9+95 LT EXIT IO RAMP D (SOLID)

**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**

STA. 3+94.00 EXIT IO RAMP A "SIGNAL"  
 STA. 4+46.00 EXIT IO RAMP A "AHEAD"  
 STA. 7+21.00 EXIT IO RAMP A "ARROW"  
 STA. 3+48.24 EXIT IO RAMP D "YIELD TRIANGLES" (5)

**646.614 TEMPORARY 6" WHITE LINE (PAINT)**

STA. 511+00 RT - STA. 518+20 RT (SOLID)  
 STA. 1+00 RT - STA. 9+00 RT EXIT IO RAMP A (SOLID)  
 STA. 511+00 RT - STA. 518+62 RT (DASHED)  
 STA. 518+62 RT - STA. 519+13 RT (SOLID)  
 STA. 521+01 RT - STA. 526+00 RT (SOLID)  
 STA. 511+00 LT - STA. 511+64 LT (SOLID)  
 STA. 511+64 LT - STA. 518+25 LT (DASHED)  
 STA. 518+25 LT - STA. 518+75 LT (SOLID)  
 STA. 519+38 LT - STA. 526+00 LT (SOLID)  
 STA. 1+00 RT - STA. 2+61 RT EXIT 9 RAMP C (SOLID)  
 STA. 512+63 LT - STA. 517+61.34 LT (SOLID)  
 STA. 2+75 RT - STA. 11+07 RT EXIT IO RAMP D (SOLID)  
 STA. 3+09 LT - STA. 3+50 LT EXIT IO RAMP D (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**

STA. 511+00 - STA. 526+00 (DOUBLE SOLID CENTERLINE)  
 STA. 3+80 LT - STA. 8+81 LT EXIT IO RAMP A (SOLID)  
 STA. 3+18 LT - STA. 9+33 LT EXIT IO RAMP D (SOLID)  
 STA. 2+90 LT - STA. 3+50 LT EXIT IO RAMP D (SOLID)

**646.64 TEMPORARY 12" WHITE LINE (PAINT)**

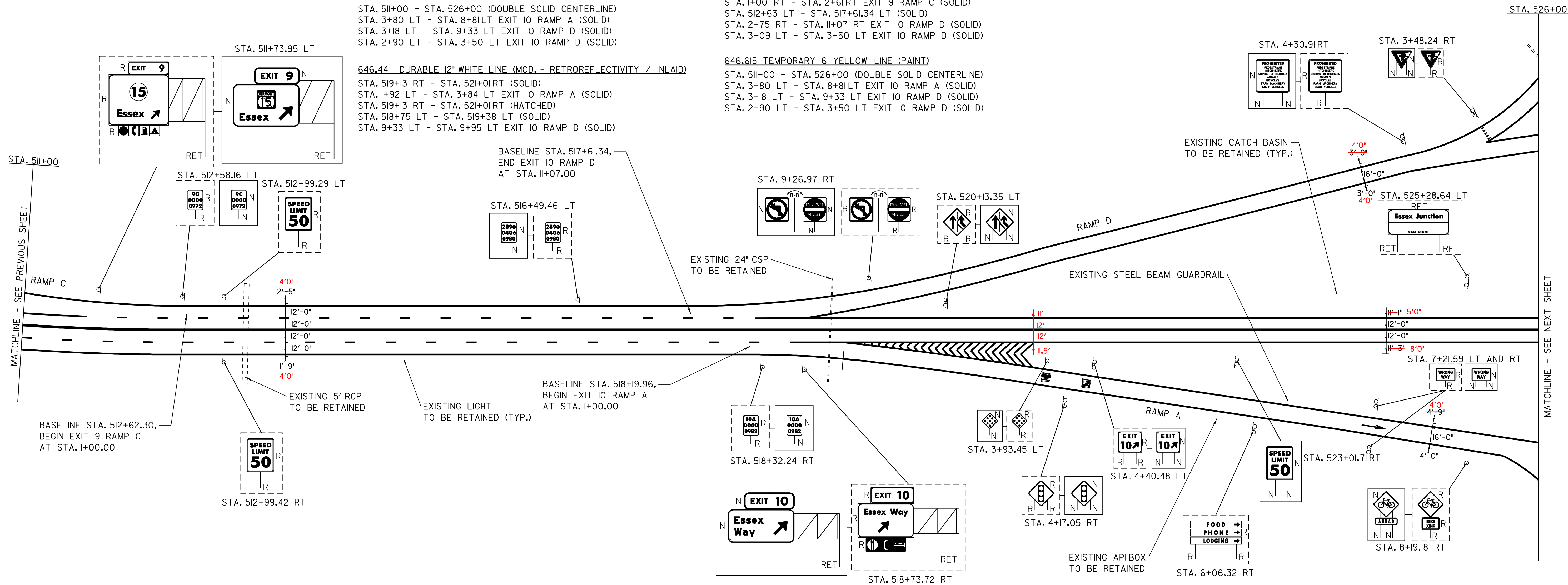
STA. 519+13 RT - STA. 521+01 RT (SOLID)  
 STA. 1+92 LT - STA. 3+84 LT EXIT IO RAMP A (SOLID)  
 STA. 519+13 RT - STA. 521+01 RT (HATCHED)  
 STA. 518+75 LT - STA. 519+38 LT (SOLID)  
 STA. 9+33 LT - STA. 9+95 LT EXIT IO RAMP D (SOLID)

**646.70 TEMPORARY LETTER OR SYMBOL (PAINT)**

STA. 3+94.00 EXIT IO RAMP A "SIGNAL"  
 STA. 4+46.00 EXIT IO RAMP A "AHEAD"  
 STA. 7+21.00 EXIT IO RAMP A "ARROW"  
 STA. 3+48.24 EXIT IO RAMP D "YIELD TRIANGLES" (5)

**675.50 REMOVING SIGN**

AS SHOWN - 31



MATCHLINE - SEE NEXT SHEET

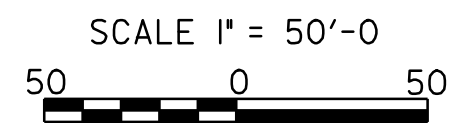
STA. 526+00

**SIGN LEGEND**

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

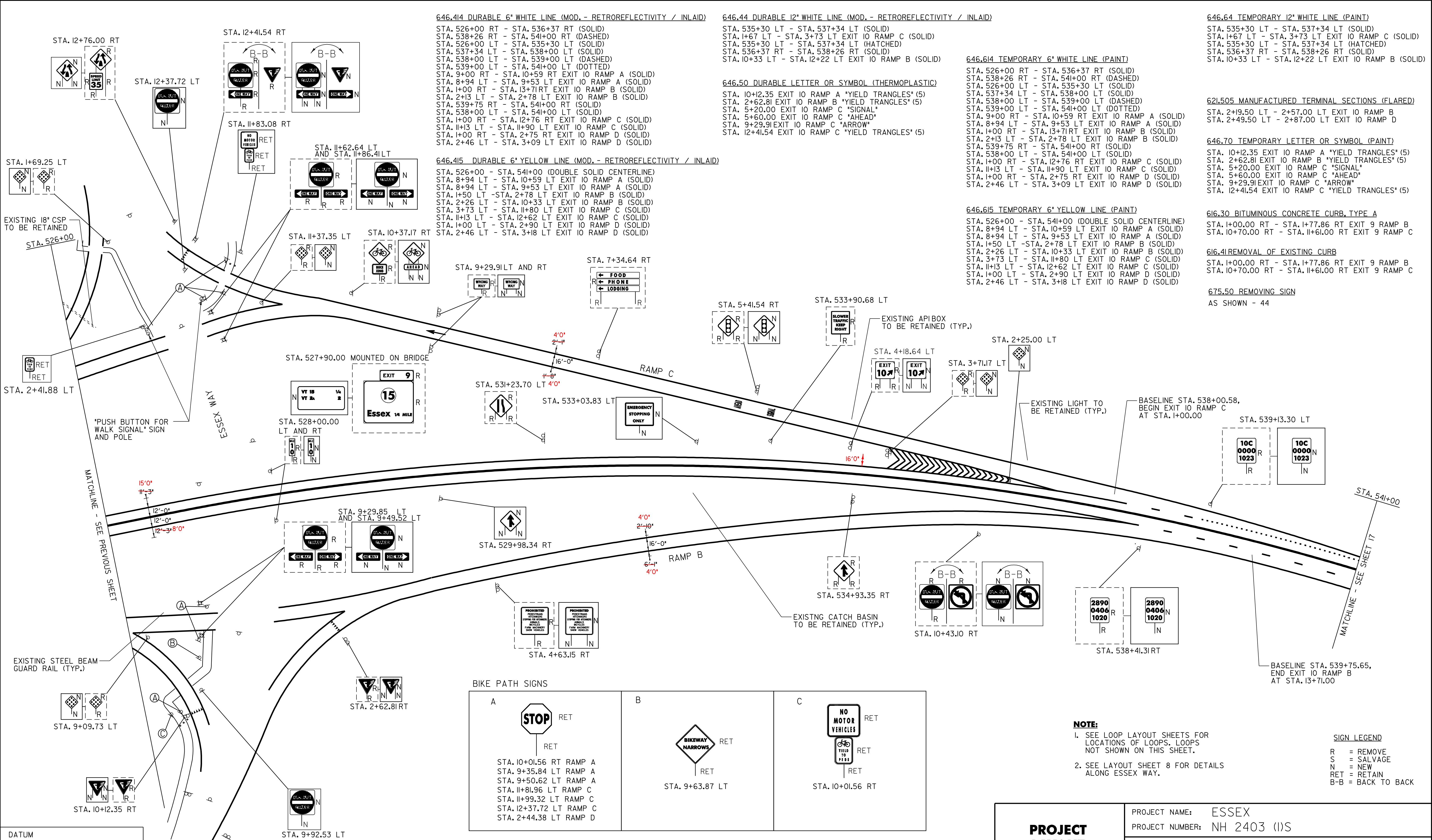
**DATUM**

|            |     |
|------------|-----|
| VERTICAL   | N/A |
| HORIZONTAL | N/A |



**PROJECT LAYOUT SHEET 6**

|                 |                         |             |                  |
|-----------------|-------------------------|-------------|------------------|
| PROJECT NAME:   | ESSEX                   | PLOT DATE:  | 23-APR-2009 15:4 |
| PROJECT NUMBER: | NH 2403 (1)S            | DRAWN BY:   | SJB, RHB         |
| FILE NAME:      | pave/04b032/p04b032.dgn | CHECKED BY: | EPD              |
| DESIGNED BY:    | JDA                     | PLOT FILE:  | p04b032106.l     |
|                 |                         | SHEET       | 14 OF 48         |



**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**

STA. 526+00 RT - STA. 536+37 RT (SOLID)  
 STA. 538+26 RT - STA. 541+00 RT (DASHED)  
 STA. 526+00 LT - STA. 535+30 LT (SOLID)  
 STA. 537+34 LT - STA. 538+00 LT (SOLID)  
 STA. 538+00 LT - STA. 539+00 LT (DASHED)  
 STA. 539+00 LT - STA. 541+00 LT (DOTTED)  
 STA. 9+00 RT - STA. 10+59 RT EXIT IO RAMP A (SOLID)  
 STA. 8+94 LT - STA. 9+53 LT EXIT IO RAMP A (SOLID)  
 STA. 1+00 RT - STA. 13+71 RT EXIT IO RAMP B (SOLID)  
 STA. 2+13 LT - STA. 2+78 LT EXIT IO RAMP B (SOLID)  
 STA. 539+75 RT - STA. 541+00 RT (SOLID)  
 STA. 538+00 LT - STA. 541+00 LT (SOLID)  
 STA. 1+00 RT - STA. 12+76 RT EXIT IO RAMP C (SOLID)  
 STA. 11+13 LT - STA. 11+90 LT EXIT IO RAMP C (SOLID)  
 STA. 1+00 RT - STA. 2+75 RT EXIT IO RAMP D (SOLID)  
 STA. 2+46 LT - STA. 3+09 LT EXIT IO RAMP D (SOLID)

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**

STA. 526+00 - STA. 541+00 (DOUBLE SOLID CENTERLINE)  
 STA. 8+94 LT - STA. 10+59 LT EXIT IO RAMP A (SOLID)  
 STA. 8+94 LT - STA. 9+53 LT EXIT IO RAMP A (SOLID)  
 STA. 1+50 LT - STA. 2+78 LT EXIT IO RAMP B (SOLID)  
 STA. 2+26 LT - STA. 10+33 LT EXIT IO RAMP B (SOLID)  
 STA. 3+73 LT - STA. 11+80 LT EXIT IO RAMP C (SOLID)  
 STA. 11+13 LT - STA. 12+62 LT EXIT IO RAMP C (SOLID)  
 STA. 1+00 LT - STA. 2+90 LT EXIT IO RAMP D (SOLID)  
 STA. 2+46 LT - STA. 3+18 LT EXIT IO RAMP D (SOLID)

**646.44 DURABLE 12" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**

STA. 535+30 LT - STA. 537+34 LT (SOLID)  
 STA. 1+67 LT - STA. 3+73 LT EXIT IO RAMP C (SOLID)  
 STA. 535+30 LT - STA. 537+34 LT (HATCHED)  
 STA. 536+37 RT - STA. 538+26 RT (SOLID)  
 STA. 10+33 LT - STA. 12+22 LT EXIT IO RAMP B (SOLID)

**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**

STA. 10+12.35 EXIT IO RAMP A \*YIELD TRIANGLES\* (5)  
 STA. 2+62.81 EXIT IO RAMP B \*YIELD TRIANGLES\* (5)  
 STA. 5+20.00 EXIT IO RAMP C \*SIGNAL\*  
 STA. 5+60.00 EXIT IO RAMP C \*AHEAD\*  
 STA. 9+29.91 EXIT IO RAMP C \*ARROW\*  
 STA. 12+41.54 EXIT IO RAMP C \*YIELD TRIANGLES\* (5)

**646.614 TEMPORARY 6" WHITE LINE (PAINT)**

STA. 526+00 RT - STA. 536+37 RT (SOLID)  
 STA. 538+26 RT - STA. 541+00 RT (DASHED)  
 STA. 526+00 LT - STA. 535+30 LT (SOLID)  
 STA. 537+34 LT - STA. 538+00 LT (SOLID)  
 STA. 538+00 LT - STA. 539+00 LT (DASHED)  
 STA. 9+00 RT - STA. 10+59 RT EXIT IO RAMP A (SOLID)  
 STA. 8+94 LT - STA. 9+53 LT EXIT IO RAMP A (SOLID)  
 STA. 1+00 RT - STA. 13+71 RT EXIT IO RAMP B (SOLID)  
 STA. 2+13 LT - STA. 2+78 LT EXIT IO RAMP B (SOLID)  
 STA. 539+75 RT - STA. 541+00 RT (SOLID)  
 STA. 538+00 LT - STA. 541+00 LT (SOLID)  
 STA. 1+00 RT - STA. 12+76 RT EXIT IO RAMP C (SOLID)  
 STA. 11+13 LT - STA. 11+90 LT EXIT IO RAMP C (SOLID)  
 STA. 1+00 RT - STA. 2+75 RT EXIT IO RAMP D (SOLID)  
 STA. 2+46 LT - STA. 3+09 LT EXIT IO RAMP D (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**

STA. 526+00 - STA. 541+00 (DOUBLE SOLID CENTERLINE)  
 STA. 8+94 LT - STA. 10+59 LT EXIT IO RAMP A (SOLID)  
 STA. 8+94 LT - STA. 9+53 LT EXIT IO RAMP A (SOLID)  
 STA. 1+50 LT - STA. 2+78 LT EXIT IO RAMP B (SOLID)  
 STA. 2+26 LT - STA. 10+33 LT EXIT IO RAMP B (SOLID)  
 STA. 3+73 LT - STA. 11+80 LT EXIT IO RAMP C (SOLID)  
 STA. 11+13 LT - STA. 12+62 LT EXIT IO RAMP C (SOLID)  
 STA. 1+00 LT - STA. 2+90 LT EXIT IO RAMP D (SOLID)  
 STA. 2+46 LT - STA. 3+18 LT EXIT IO RAMP D (SOLID)

**646.64 TEMPORARY 12" WHITE LINE (PAINT)**

STA. 535+30 LT - STA. 537+34 LT (SOLID)  
 STA. 1+67 LT - STA. 3+73 LT EXIT IO RAMP C (SOLID)  
 STA. 535+30 LT - STA. 537+34 LT (HATCHED)  
 STA. 536+37 RT - STA. 538+26 RT (SOLID)  
 STA. 10+33 LT - STA. 12+22 LT EXIT IO RAMP B (SOLID)

**621.505 MANUFACTURED TERMINAL SECTIONS (FLARED)**

STA. 2+19.50 LT - 2+57.00 LT EXIT IO RAMP B  
 STA. 2+49.50 LT - 2+87.00 LT EXIT IO RAMP D

**646.70 TEMPORARY LETTER OR SYMBOL (PAINT)**

STA. 10+12.35 EXIT IO RAMP A \*YIELD TRIANGLES\* (5)  
 STA. 2+62.81 EXIT IO RAMP B \*YIELD TRIANGLES\* (5)  
 STA. 5+20.00 EXIT IO RAMP C \*SIGNAL\*  
 STA. 5+60.00 EXIT IO RAMP C \*AHEAD\*  
 STA. 9+29.91 EXIT IO RAMP C \*ARROW\*  
 STA. 12+41.54 EXIT IO RAMP C \*YIELD TRIANGLES\* (5)

**616.30 BITUMINOUS CONCRETE CURB, TYPE A**

STA. 1+00.00 RT - STA. 1+77.86 RT EXIT 9 RAMP B  
 STA. 10+70.00 RT - STA. 11+61.00 RT EXIT 9 RAMP C




**616.41 REMOVAL OF EXISTING CURB**

STA. 1+00.00 RT - STA. 1+77.86 RT EXIT 9 RAMP B  
 STA. 10+70.00 RT - STA. 11+61.00 RT EXIT 9 RAMP C

**675.50 REMOVING SIGN**

AS SHOWN - 44

**BIKE PATH SIGNS**

|  |   |  |
|--|---|--|
| <p><b>A</b></p>  <p>RET</p> <p>STA. 10+01.56 RT RAMP A<br/>       STA. 9+35.84 LT RAMP A<br/>       STA. 9+50.62 LT RAMP A<br/>       STA. 11+81.96 LT RAMP C<br/>       STA. 11+99.32 LT RAMP C<br/>       STA. 12+37.72 LT RAMP C<br/>       STA. 2+44.38 LT RAMP D</p> | <p><b>B</b></p>  <p>RET</p> <p>STA. 9+63.87 LT</p> | <p><b>C</b></p>  <p>RET</p> <p>STA. 10+01.56 RT</p> |
|--|---|--|

**NOTE:**

- SEE LOOP LAYOUT SHEETS FOR LOCATIONS OF LOOPS. LOOPS NOT SHOWN ON THIS SHEET.
- SEE LAYOUT SHEET 8 FOR DETAILS ALONG ESSEX WAY.

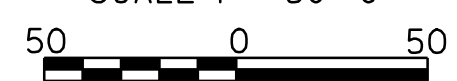
**SIGN LEGEND**

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

**DATUM**

VERTICAL N/A  
 HORIZONTAL N/A

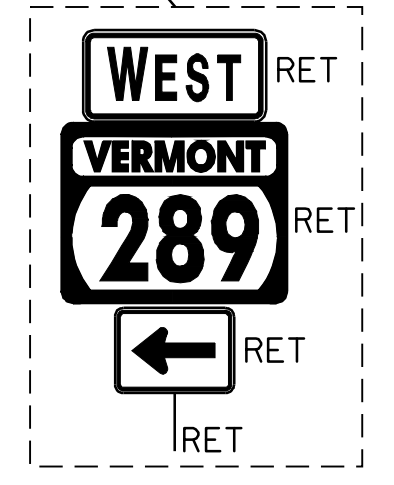
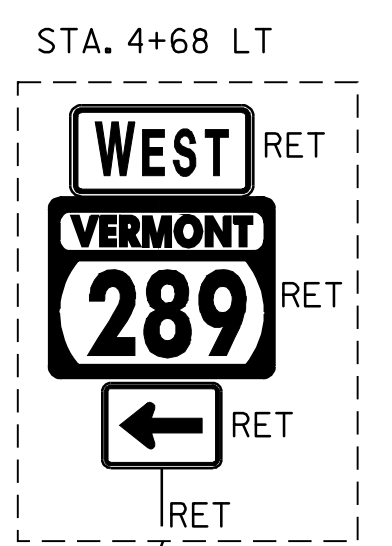
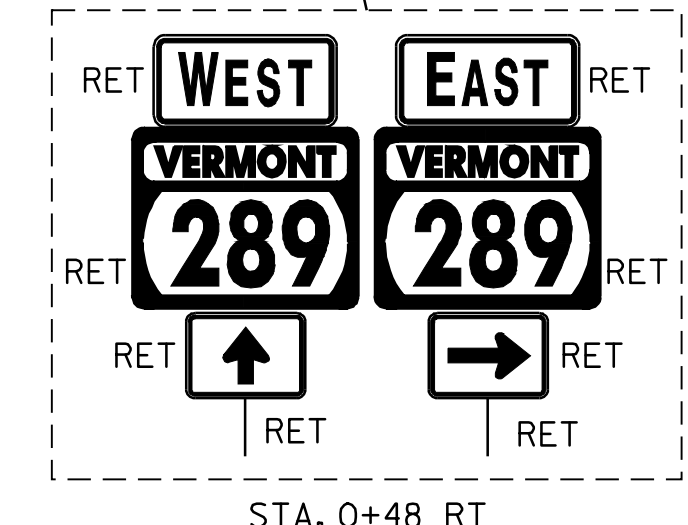
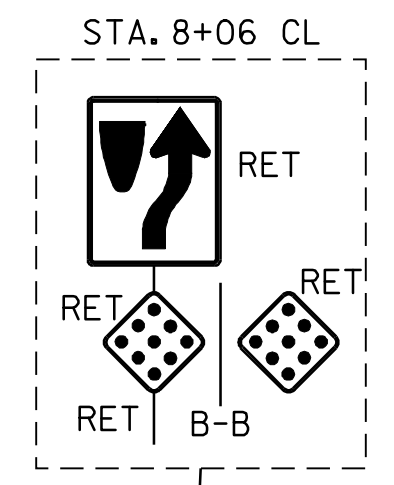
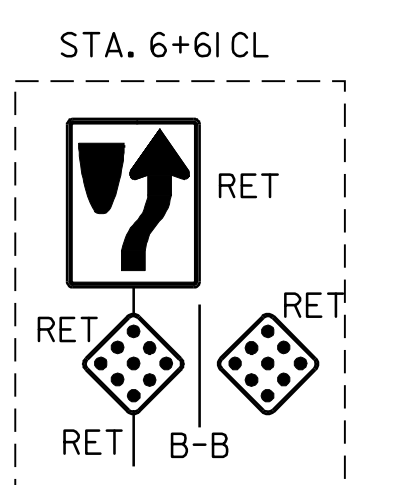
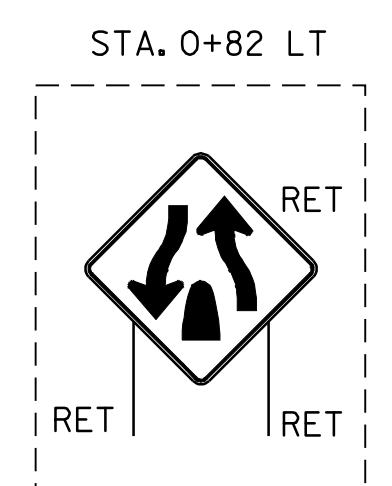
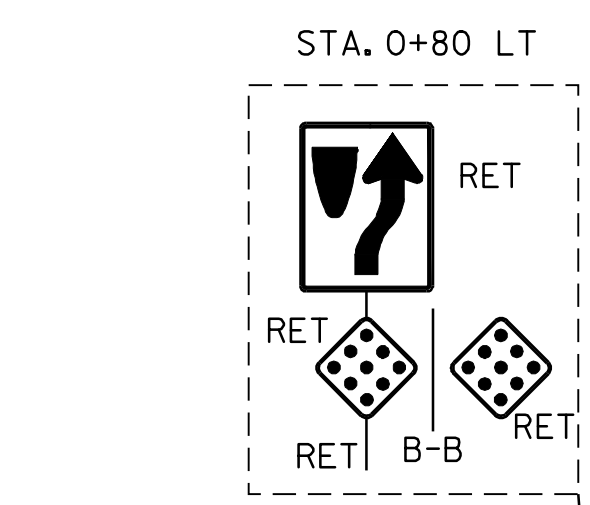
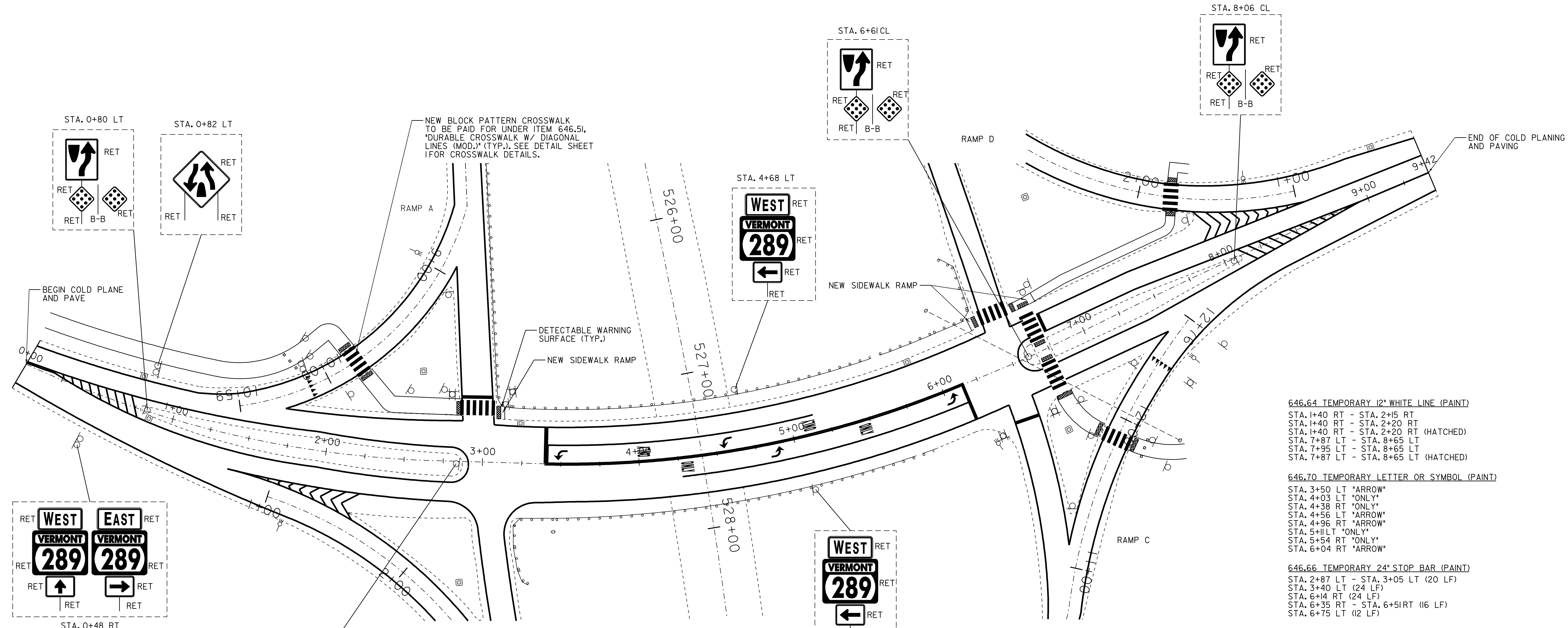
SCALE 1" = 50'-0"



**PROJECT LAYOUT SHEET 7**

PROJECT NAME: ESSEX  
 PROJECT NUMBER: NH 2403 (1)S  
 FILE NAME: pave/04b032/p04b032.dgn  
 PROJECT LEADER: EPD  
 DESIGNED BY: JDA  
 PLOT FILE: p04b032107.i

PLOT DATE: 23-APR-2009 15:4  
 DRAWN BY: SJB, RHB  
 CHECKED BY: EPD  
 SHEET 15 OF 48



**604.412 REHABING DI, CB OR MH CLASS I**  
 STA. 0+74 LT  
 STA. 0+85 RT  
 STA. 3+24 LT  
 STA. 5+85 LT  
 STA. 9+14 LT

**618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (MOD.)**  
 STA. 3+10 LT - STA. 3+15 LT  
 STA. 6+30 LT - STA. 6+35 LT  
 STA. 6+65 LT - STA. 6+80 LT

**618.30 DETECTABLE WARNING SURFACE**  
 STA. 9+80 LT (RAMP A)  
 STA. 9+80 RT (RAMP A)  
 STA. 11+85 LT (RAMP C)  
 STA. 11+85 RT (RAMP C)  
 STA. 1+80 LT (RAMP D)  
 STA. 1+80 RT (RAMP D)  
 STA. 2+85 LT  
 STA. 3+10 LT  
 STA. 6+35 LT  
 STA. 6+65 LT  
 STA. 6+70 LT (2)  
 STA. 6+70 RT (2)

**620.75 SNOW BARRIER - GALVANIZED**  
 STA. 4+00 LT - STA. 4+75 LT

**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 0+00 RT - STA. 1+67 RT (SOLID)  
 STA. 0+00 LT - STA. 1+37 LT (SOLID)  
 STA. 1+41 RT - STA. 2+98 RT (SOLID)  
 STA. 1+70 LT - STA. 2+87 LT (SOLID)  
 STA. 3+15 RT - STA. 6+38 RT (SOLID)  
 STA. 3+07 LT - STA. 6+41 LT (SOLID)  
 STA. 3+40 LT - STA. 5+15 LT (SOLID)  
 STA. 4+27 RT - STA. 6+16 RT (SOLID)  
 STA. 6+54 RT - STA. 7+50 RT (SOLID)  
 STA. 6+57 LT - STA. 8+63 LT (SOLID)  
 STA. 7+70 RT - STA. 9+40 RT (SOLID)  
 STA. 8+63 LT - STA. 9+40 LT (DASHED)  
 STA. 8+60 LT - STA. 9+40 LT (SOLID)

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 0+00 - STA. 0+20 (DOUBLE CENTERLINE)  
 STA. 0+20 RT - STA. 2+90 RT (SOLID)  
 STA. 0+20 LT - STA. 2+90 LT (SOLID)  
 STA. 3+40 - STA. 6+20 (DOUBLE CENTERLINE)  
 STA. 6+55 RT - STA. 6+65 RT (SOLID)  
 STA. 6+55 LT - STA. 6+65 LT (SOLID)  
 STA. 6+75 RT - STA. 8+95 RT (SOLID)  
 STA. 6+75 LT - STA. 8+95 LT (SOLID)  
 STA. 8+95 - STA. 9+40 (DOUBLE CENTERLINE)

**646.44 DURABLE 12" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 1+40 RT - STA. 2+15 RT  
 STA. 1+40 RT - STA. 2+20 RT  
 STA. 1+40 LT - STA. 2+20 LT (HATCHED)  
 STA. 1+70 LT - STA. 2+87 LT (SOLID)  
 STA. 7+87 LT - STA. 8+65 LT  
 STA. 7+95 LT - STA. 8+65 LT  
 STA. 7+87 LT - STA. 8+65 LT (HATCHED)

**646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)**  
 STA. 2+87 LT - STA. 3+05 LT (20 LF)  
 STA. 3+40 LT (24 LF)  
 STA. 6+14 RT (24 LF)  
 STA. 6+35 RT - STA. 6+51 RT (16 LF)  
 STA. 6+75 LT (12 LF)

**646.51 DURABLE CROSSWALK W/ DIAGONAL LINES (THERMOPLASTIC) (MOD.)**  
 STA. 2+87 LT - STA. 3+08 LT  
 STA. 6+35 LT - STA. 6+61 LT  
 STA. 6+70 LT  
 STA. 6+70 RT  
 STA. 9+80 RAMP A  
 STA. 11+85 RAMP C  
 STA. 1+80 RAMP D

**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**  
 STA. 3+50 LT "ARROW"  
 STA. 4+03 LT "ONLY"  
 STA. 4+38 RT "ONLY"  
 STA. 4+56 LT "ARROW"  
 STA. 4+96 RT "ARROW"  
 STA. 5+11 LT "ONLY"  
 STA. 5+54 RT "ONLY"  
 STA. 6+04 RT "ARROW"

**646.614 TEMPORARY 6" WHITE LINE (PAINT)**  
 STA. 0+00 RT - STA. 1+67 RT (SOLID)  
 STA. 0+00 LT - STA. 1+37 LT (SOLID)  
 STA. 1+41 RT - STA. 2+98 RT (SOLID)  
 STA. 1+70 LT - STA. 2+87 LT (SOLID)  
 STA. 3+15 RT - STA. 6+38 RT (SOLID)  
 STA. 3+07 LT - STA. 6+41 LT (SOLID)  
 STA. 3+40 LT - STA. 5+15 LT (SOLID)  
 STA. 4+27 RT - STA. 6+16 RT (SOLID)  
 STA. 6+54 RT - STA. 7+50 RT (SOLID)  
 STA. 6+57 LT - STA. 8+63 LT (SOLID)  
 STA. 7+70 RT - STA. 9+40 RT (SOLID)  
 STA. 8+63 LT - STA. 9+40 LT (DASHED)  
 STA. 8+60 LT - STA. 9+40 LT (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**  
 STA. 0+00 - STA. 0+20 (DOUBLE CENTERLINE)  
 STA. 0+20 RT - STA. 2+90 RT (SOLID)  
 STA. 0+20 LT - STA. 2+90 LT (SOLID)  
 STA. 3+40 - STA. 6+20 (DOUBLE CENTERLINE)  
 STA. 6+55 RT - STA. 6+65 RT (SOLID)  
 STA. 6+55 LT - STA. 6+65 LT (SOLID)  
 STA. 6+75 RT - STA. 8+95 RT (SOLID)  
 STA. 6+75 LT - STA. 8+95 LT (SOLID)  
 STA. 8+95 - STA. 9+40 (DOUBLE CENTERLINE)

**646.64 TEMPORARY 12" WHITE LINE (PAINT)**  
 STA. 1+40 RT - STA. 2+15 RT  
 STA. 1+40 RT - STA. 2+20 RT  
 STA. 1+40 LT - STA. 2+20 LT (HATCHED)  
 STA. 7+87 LT - STA. 8+65 LT  
 STA. 7+95 LT - STA. 8+65 LT  
 STA. 7+87 LT - STA. 8+65 LT (HATCHED)

**646.70 TEMPORARY LETTER OR SYMBOL (PAINT)**  
 STA. 3+50 LT "ARROW"  
 STA. 4+03 LT "ONLY"  
 STA. 4+38 RT "ONLY"  
 STA. 4+56 LT "ARROW"  
 STA. 4+96 RT "ARROW"  
 STA. 5+11 LT "ONLY"  
 STA. 5+54 RT "ONLY"  
 STA. 6+04 RT "ARROW"

**646.66 TEMPORARY 24" STOP BAR (PAINT)**  
 STA. 2+87 LT - STA. 3+05 LT (20 LF)  
 STA. 3+40 LT (24 LF)  
 STA. 6+14 RT (24 LF)  
 STA. 6+35 RT - STA. 6+51 RT (16 LF)  
 STA. 6+75 LT (12 LF)

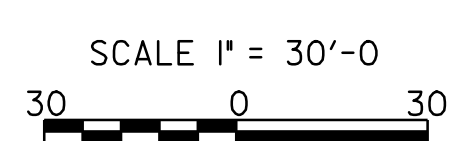
**646.71 TEMPORARY CROSSWALK W/DIAGONAL LINES (PAINT) (MOD.)**  
 STA. 2+87 LT - STA. 3+08 LT  
 STA. 6+35 LT - STA. 6+61 LT  
 STA. 6+70 LT  
 STA. 6+70 RT  
 STA. 9+80 RAMP A  
 STA. 11+85 RAMP C  
 STA. 1+80 RAMP D

**616.40 REMOVING AND RESETTING CURB**  
 STA. 0+72 LT - STA. 0+76 LT  
 STA. 0+83 RT - STA. 0+87 RT  
 STA. 3+22 LT - STA. 3+26 LT  
 STA. 5+83 LT - STA. 5+87 LT  
 STA. 9+12 LT - STA. 9+16 LT

**646.81 PAVED CURB**  
 STA. 0+78 - STA. 2+85 LT & RT  
 STA. 6+60 - STA. 8+10 LT & RT

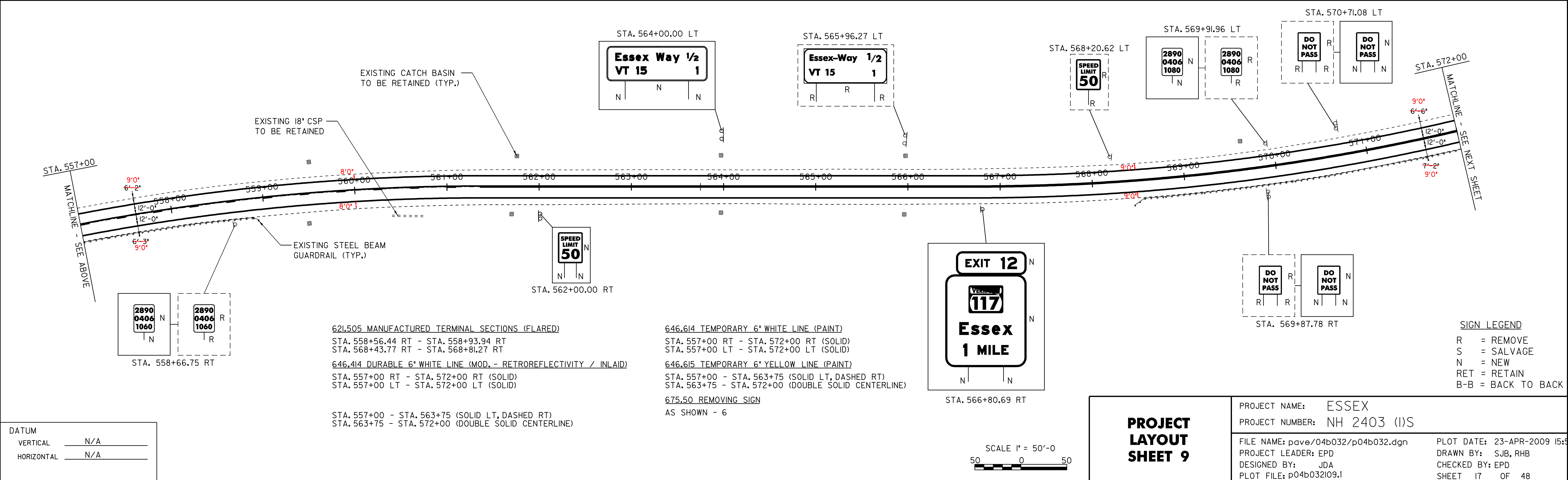
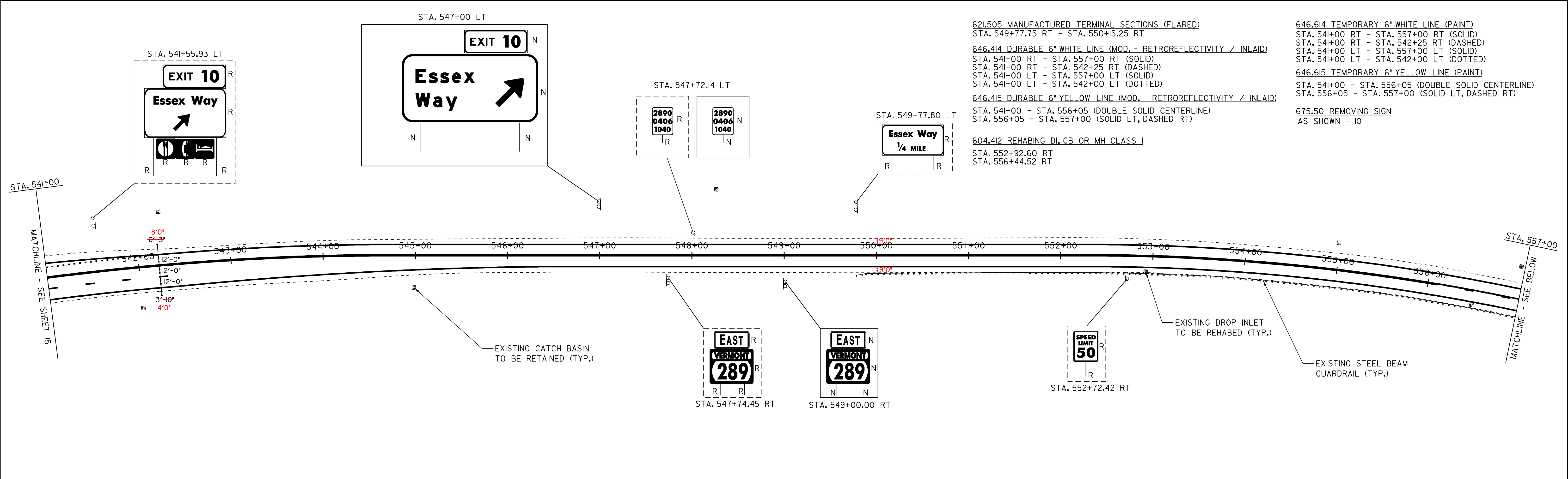
**SIGN LEGEND**  
 R = REMOVE  
 S = SALVAGE  
 N = NEW  
 RET = RETAIN  
 B-B = BACK TO BACK

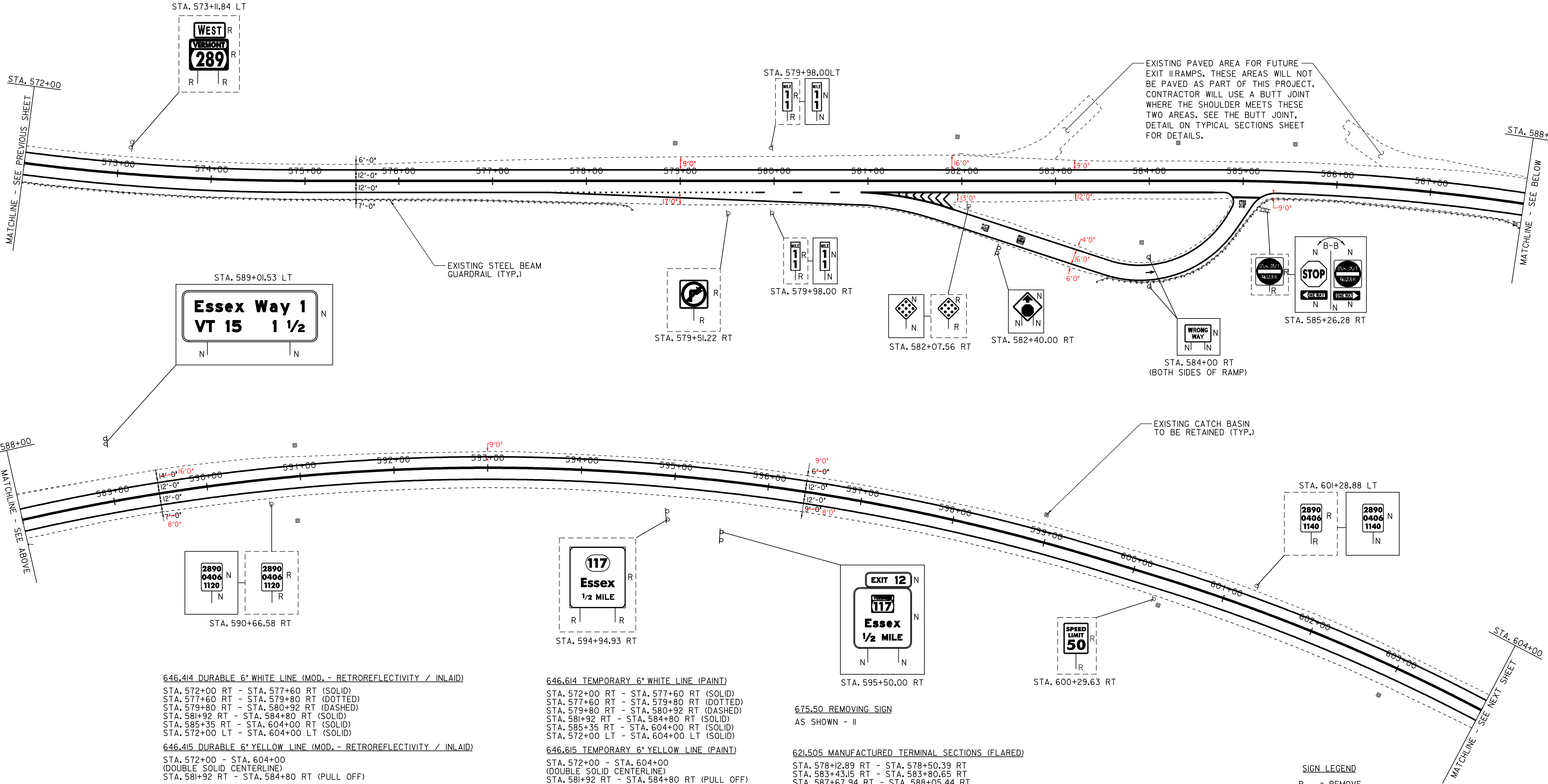
**DATUM**  
 VERTICAL N/A  
 HORIZONTAL N/A



**PROJECT LAYOUT SHEET 8**

PROJECT NAME: ESSEX  
 PROJECT NUMBER: NH 2403 (1)S  
 FILE NAME: pave/04b032/p04b032.dgn  
 PROJECT LEADER: EPD  
 DESIGNED BY: JDA  
 PLOT FILE: p04b032108.i  
 PLOT DATE: 23-APR-2009 15:59  
 DRAWN BY: SJB, RHB  
 CHECKED BY: EPD  
 SHEET 16 OF 48





EXISTING PAVED AREA FOR FUTURE EXIT RAMP. THESE AREAS WILL NOT BE PAVED AS PART OF THIS PROJECT. CONTRACTOR WILL USE A BUTT JOINT WHERE THE SHOULDER MEETS THESE TWO AREAS. SEE THE BUTT JOINT, DETAIL ON TYPICAL SECTIONS SHEET FOR DETAILS.

EXISTING STEEL BEAM GUARDRAIL (TYP.)

EXISTING CATCH BASIN TO BE RETAINED (TYP.)

- 646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)  
 STA. 572+00 RT - STA. 577+60 RT (SOLID)  
 STA. 577+60 RT - STA. 579+80 RT (DOTTED)  
 STA. 579+80 RT - STA. 580+92 RT (DASHED)  
 STA. 581+92 RT - STA. 584+80 RT (SOLID)  
 STA. 585+35 RT - STA. 604+00 RT (SOLID)  
 STA. 572+00 LT - STA. 604+00 LT (SOLID)
- 646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)  
 STA. 572+00 - STA. 604+00  
 (DOUBLE SOLID CENTERLINE)  
 STA. 581+92 RT - STA. 584+80 RT (PULL OFF)
- 646.44 DURABLE 12" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)  
 STA. 580+92 RT - STA. 581+92 RT (SOLID)  
 STA. 581+00 RT - STA. 581+92 RT PULL OFF (SOLID)  
 STA. 581+00 RT - STA. 581+92 RT (HATCHED)
- 646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)  
 STA. 584+80 RT - STA. 585+20 RT
- 646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)  
 STA. 582+24 RT PULL OFF "STOP"  
 STA. 582+56 RT PULL OFF "AHEAD"  
 STA. 584+00 RT PULL OFF "ARROW"  
 STA. 585+00 RT PULL OFF "STOP"

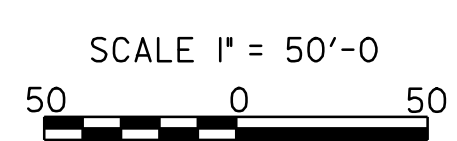
- 646.614 TEMPORARY 6" WHITE LINE (PAINT)  
 STA. 572+00 RT - STA. 577+60 RT (SOLID)  
 STA. 577+60 RT - STA. 579+80 RT (DOTTED)  
 STA. 579+80 RT - STA. 580+92 RT (DASHED)  
 STA. 581+92 RT - STA. 584+80 RT (SOLID)  
 STA. 585+35 RT - STA. 604+00 RT (SOLID)  
 STA. 572+00 LT - STA. 604+00 LT (SOLID)
- 646.615 TEMPORARY 6" YELLOW LINE (PAINT)  
 STA. 572+00 - STA. 604+00  
 (DOUBLE SOLID CENTERLINE)  
 STA. 581+92 RT - STA. 584+80 RT (PULL OFF)
- 646.64 TEMPORARY 12" WHITE LINE (PAINT)  
 STA. 580+92 RT - STA. 581+92 RT (SOLID)  
 STA. 581+00 RT - STA. 581+92 RT PULL OFF (SOLID)  
 STA. 581+00 RT - STA. 581+92 RT (HATCHED)
- 646.66 TEMPORARY 24" STOP BAR (PAINT)  
 STA. 584+80 RT - STA. 585+20 RT
- 646.70 TEMPORARY LETTER OR SYMBOL (PAINT)  
 STA. 582+24 RT PULL OFF "STOP"  
 STA. 582+56 RT PULL OFF "AHEAD"  
 STA. 584+00 RT PULL OFF "ARROW"  
 STA. 585+00 RT PULL OFF "STOP"

675.50 REMOVING SIGN  
 AS SHOWN - II

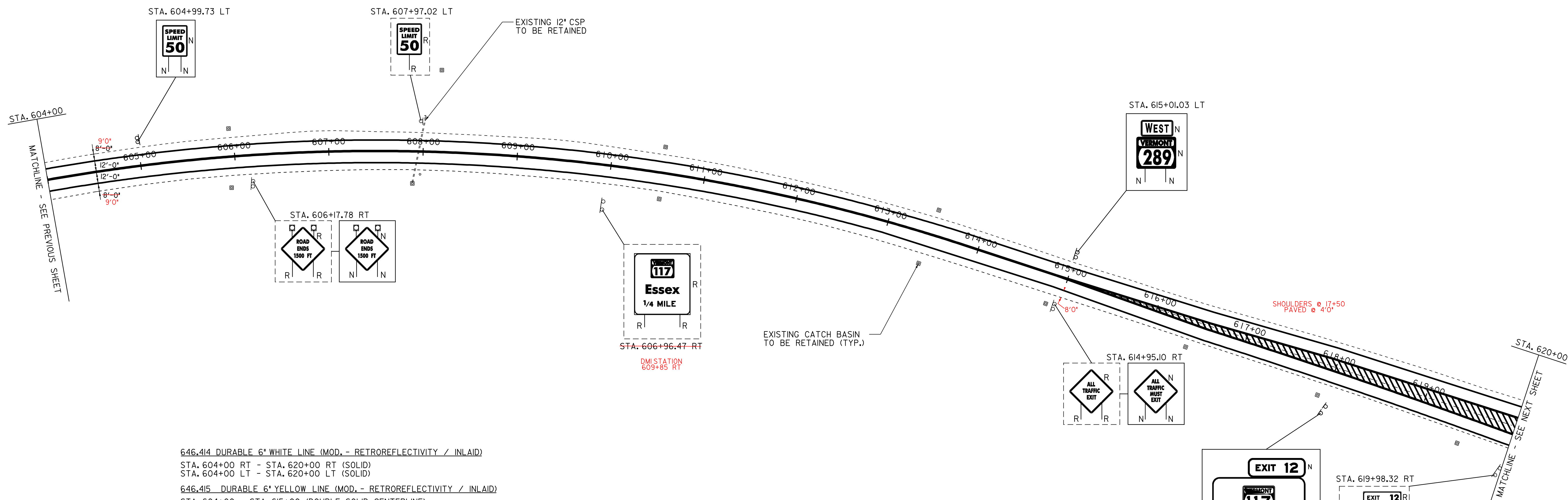
621.505 MANUFACTURED TERMINAL SECTIONS (FLARED)  
 STA. 578+12.89 RT - STA. 578+50.39 RT  
 STA. 583+43.15 RT - STA. 583+80.65 RT  
 STA. 587+67.94 RT - STA. 588+05.44 RT

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

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |



|                                |                                    |                              |
|--------------------------------|------------------------------------|------------------------------|
| <b>PROJECT LAYOUT SHEET 10</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:59 |
|                                | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB           |
|                                | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD              |
|                                | DESIGNED BY: JDA                   | SHEET 18 OF 48               |



646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)

STA. 604+00 RT - STA. 620+00 RT (SOLID)  
 STA. 604+00 LT - STA. 620+00 LT (SOLID)

646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)

STA. 604+00 - STA. 615+00 (DOUBLE SOLID CENTERLINE)  
 STA. 615+00 RT - STA. 620+00 RT (DOUBLE SOLID CENTERLINE)  
 STA. 615+00 LT - STA. 620+00 LT (DOUBLE SOLID CENTERLINE)

646.45 DURABLE 12" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)

STA. 615+00 CL - STA. 620+00 CL (HATCHED)

646.614 TEMPORARY 6" WHITE LINE (PAINT)

STA. 604+00 RT - STA. 620+00 RT (SOLID)  
 STA. 604+00 LT - STA. 620+00 LT (SOLID)

646.615 TEMPORARY 6" YELLOW LINE (PAINT)

STA. 604+00 - STA. 615+00 (DOUBLE SOLID CENTERLINE)  
 STA. 615+00 RT - STA. 620+00 RT (DOUBLE SOLID CENTERLINE)  
 STA. 615+00 LT - STA. 620+00 LT (DOUBLE SOLID CENTERLINE)

646.65 TEMPORARY 12" YELLOW LINE (PAINT)

STA. 615+00 CL - STA. 620+00 CL (HATCHED)

675.50 REMOVING SIGN

AS SHOWN - 6

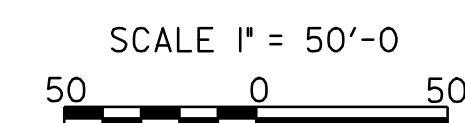
678.16 FLASHING BEACON - GROUND MOUNTED (MOD.)

STA. 606+17.78 RT (2)

**SIGN LEGEND**

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

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |

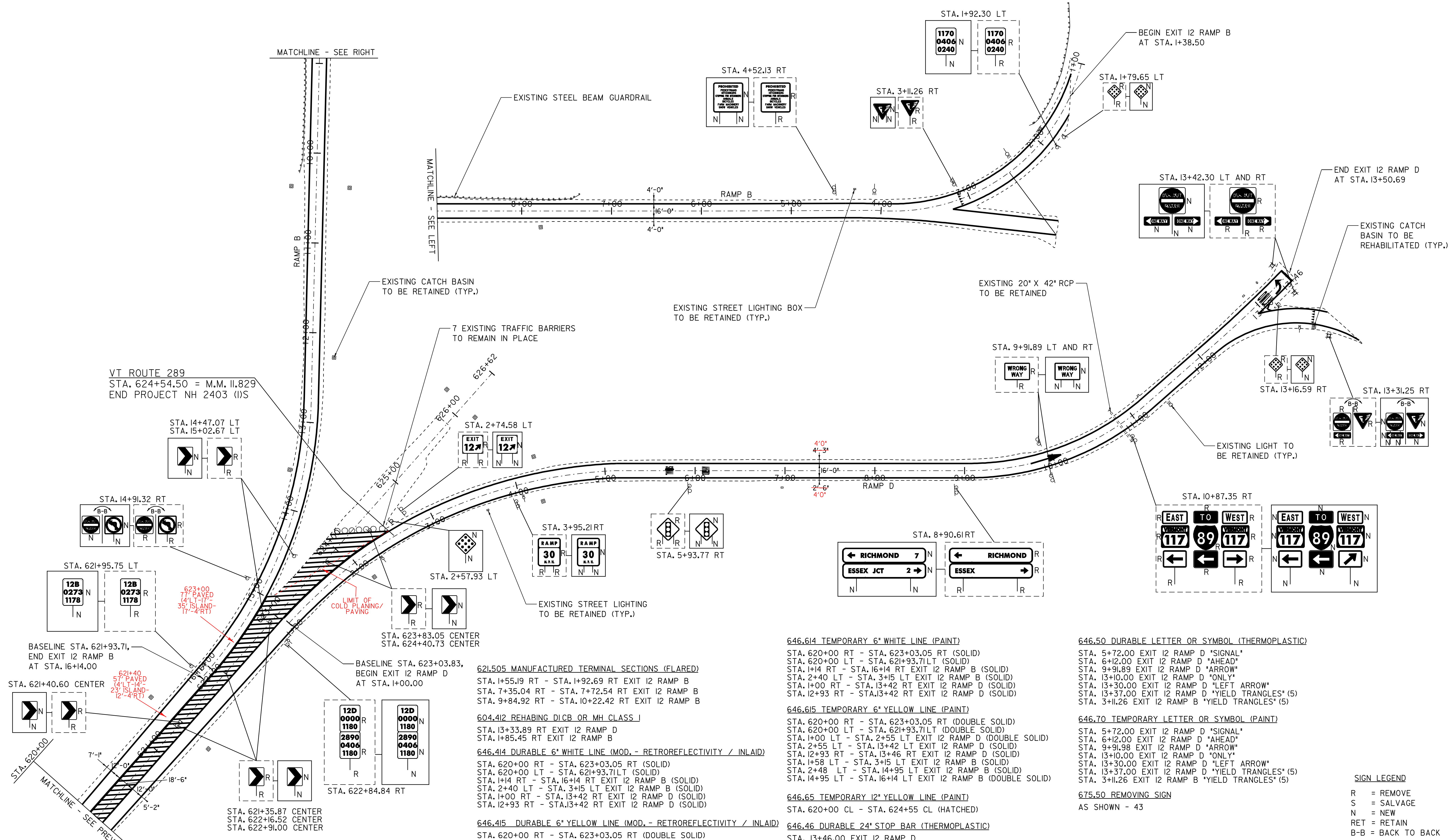


**PROJECT LAYOUT SHEET 11**

PROJECT NAME: ESSEX  
 PROJECT NUMBER: NH 2403 (1)S

FILE NAME: pave/04b032/p04b032.dgn  
 PROJECT LEADER: EPD  
 DESIGNED BY: JDA  
 PLOT FILE: p04b032III.I

PLOT DATE: 23-APR-2009 15:54  
 DRAWN BY: SJB, RHB  
 CHECKED BY: EPD  
 SHEET 19 OF 48



VT ROUTE 289  
 STA. 624+54.50 = M.M. 11.829  
 END PROJECT NH 2403 (I)S

**NOTE:**

- SEE LOOP LAYOUT SHEETS FOR LOCATIONS OF LOOPS. LOOPS NOT SHOWN ON THIS SHEET.
- THE CONTRACTOR SHALL COLD PLANE AND PAVE THE RAMPS SO AS TO PREVENT THE PONDING OF WATER AT THE END OF RAMP AGAINST THE VT. 117 SHOULDER.

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |

**621.505 MANUFACTURED TERMINAL SECTIONS (FLARED)**  
 STA. 1+55.19 RT - STA. 1+92.69 RT EXIT I2 RAMP B  
 STA. 7+35.04 RT - STA. 7+72.54 RT EXIT I2 RAMP B  
 STA. 9+84.92 RT - STA. 10+22.42 RT EXIT I2 RAMP B

**604.412 REHABING DICB OR MH CLASS I**  
 STA. 13+33.89 RT EXIT I2 RAMP D  
 STA. 1+85.45 RT EXIT I2 RAMP B

**646.414 DURABLE 6" WHITE LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 620+00 RT - STA. 623+03.05 RT (SOLID)  
 STA. 620+00 LT - STA. 621+93.71 LT (SOLID)  
 STA. 1+14 RT - STA. 16+14 RT EXIT I2 RAMP B (SOLID)  
 STA. 2+40 LT - STA. 3+15 LT EXIT I2 RAMP B (SOLID)  
 STA. 1+00 RT - STA. 13+42 RT EXIT I2 RAMP D (SOLID)  
 STA. 12+93 RT - STA. 13+42 RT EXIT I2 RAMP D (SOLID)

**646.415 DURABLE 6" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 620+00 RT - STA. 623+03.05 RT (DOUBLE SOLID)  
 STA. 620+00 LT - STA. 621+93.71 LT (DOUBLE SOLID)  
 STA. 1+00 LT - STA. 2+55 LT EXIT I2 RAMP D (DOUBLE SOLID)  
 STA. 2+55 LT - STA. 13+42 LT EXIT I2 RAMP D (SOLID)  
 STA. 12+93 RT - STA. 13+46 RT EXIT I2 RAMP D (SOLID)  
 STA. 1+58 LT - STA. 3+15 LT EXIT I2 RAMP B (SOLID)  
 STA. 2+48 LT - STA. 14+95 LT EXIT I2 RAMP B (SOLID)  
 STA. 14+95 LT - STA. 16+14 LT EXIT I2 RAMP B (DOUBLE SOLID)

**646.45 DURABLE 12" YELLOW LINE (MOD. - RETROREFLECTIVITY / INLAID)**  
 STA. 620+00 CL - STA. 624+54.5 CL (HATCHED)

**646.614 TEMPORARY 6" WHITE LINE (PAINT)**  
 STA. 620+00 RT - STA. 623+03.05 RT (SOLID)  
 STA. 620+00 LT - STA. 621+93.71 LT (SOLID)  
 STA. 1+14 RT - STA. 16+14 RT EXIT I2 RAMP B (SOLID)  
 STA. 2+40 LT - STA. 3+15 LT EXIT I2 RAMP B (SOLID)  
 STA. 1+00 RT - STA. 13+42 RT EXIT I2 RAMP D (SOLID)  
 STA. 12+93 RT - STA. 13+42 RT EXIT I2 RAMP D (SOLID)

**646.615 TEMPORARY 6" YELLOW LINE (PAINT)**  
 STA. 620+00 RT - STA. 623+03.05 RT (DOUBLE SOLID)  
 STA. 620+00 LT - STA. 621+93.71 LT (DOUBLE SOLID)  
 STA. 1+00 LT - STA. 2+55 LT EXIT I2 RAMP D (DOUBLE SOLID)  
 STA. 2+55 LT - STA. 13+42 LT EXIT I2 RAMP D (SOLID)  
 STA. 12+93 RT - STA. 13+46 RT EXIT I2 RAMP D (SOLID)  
 STA. 1+58 LT - STA. 3+15 LT EXIT I2 RAMP B (SOLID)  
 STA. 2+48 LT - STA. 14+95 LT EXIT I2 RAMP B (SOLID)  
 STA. 14+95 LT - STA. 16+14 LT EXIT I2 RAMP B (DOUBLE SOLID)

**646.65 TEMPORARY 12" YELLOW LINE (PAINT)**  
 STA. 620+00 CL - STA. 624+55 CL (HATCHED)

**646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)**  
 STA. 13+46.00 EXIT I2 RAMP D

**646.66 TEMPORARY 24" STOP BAR (PAINT)**  
 STA. 13+46.00 EXIT I2 RAMP D

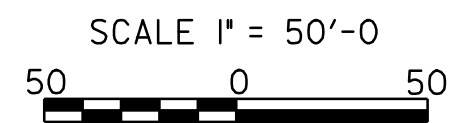
**646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)**  
 STA. 5+72.00 EXIT I2 RAMP D "SIGNAL"  
 STA. 6+12.00 EXIT I2 RAMP D "AHEAD"  
 STA. 9+91.89 EXIT I2 RAMP D "ARROW"  
 STA. 13+10.00 EXIT I2 RAMP D "ONLY"  
 STA. 13+30.00 EXIT I2 RAMP D "LEFT ARROW"  
 STA. 13+37.00 EXIT I2 RAMP D "YIELD TRIANGLES" (5)  
 STA. 3+11.26 EXIT I2 RAMP B "YIELD TRIANGLES" (5)

**646.70 TEMPORARY LETTER OR SYMBOL (PAINT)**  
 STA. 5+72.00 EXIT I2 RAMP D "SIGNAL"  
 STA. 6+12.00 EXIT I2 RAMP D "AHEAD"  
 STA. 9+91.98 EXIT I2 RAMP D "ARROW"  
 STA. 13+10.00 EXIT I2 RAMP D "ONLY"  
 STA. 13+30.00 EXIT I2 RAMP D "LEFT ARROW"  
 STA. 13+37.00 EXIT I2 RAMP D "YIELD TRIANGLES" (5)  
 STA. 3+11.26 EXIT I2 RAMP B "YIELD TRIANGLES" (5)

**675.50 REMOVING SIGN**  
 AS SHOWN - 43

**SIGN LEGEND**

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

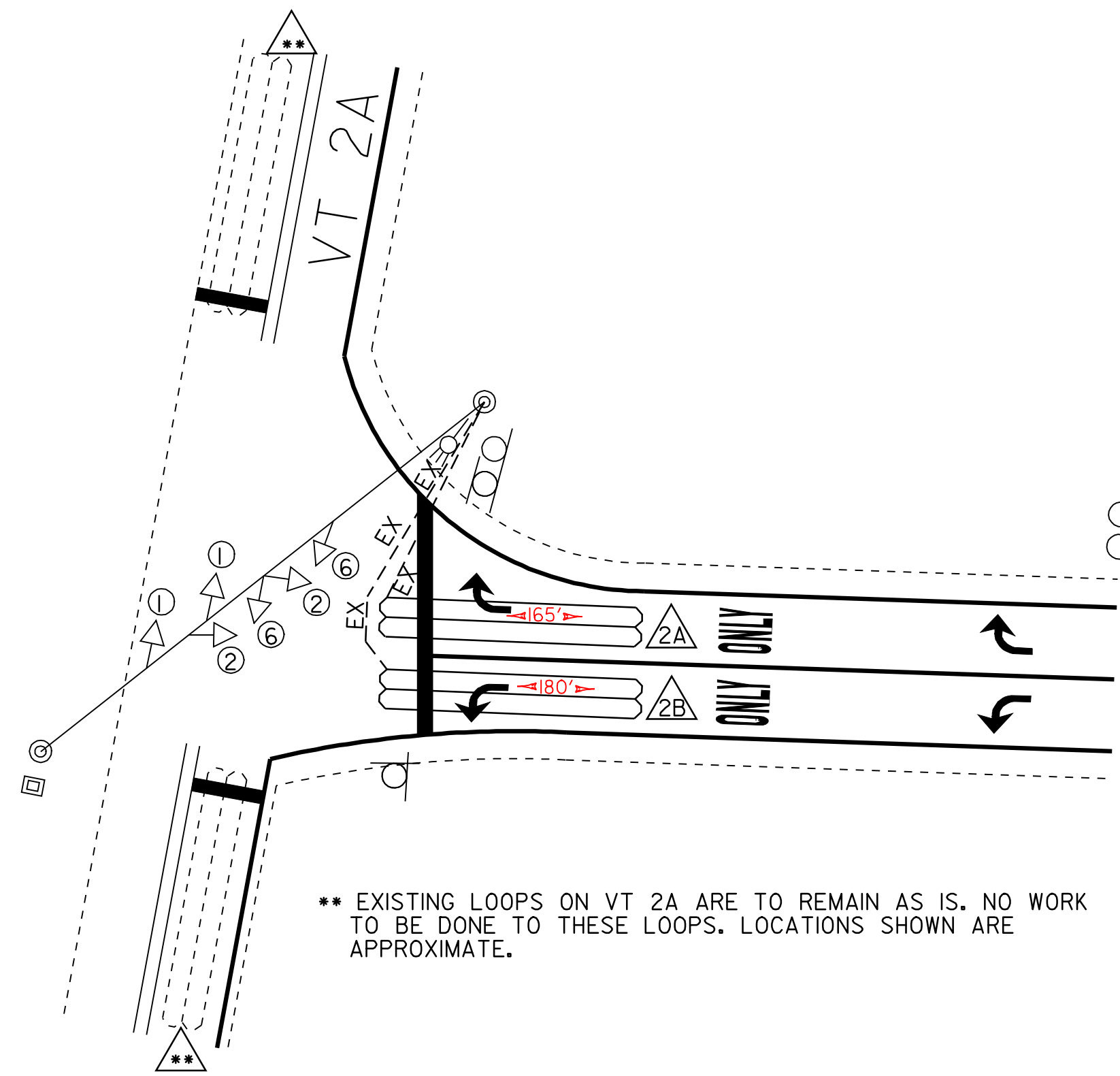


**PROJECT LAYOUT SHEET 12**

|                 |                         |              |                   |
|-----------------|-------------------------|--------------|-------------------|
| PROJECT NAME:   | ESSEX                   | PLOT DATE:   | 23-APR-2009 15:59 |
| PROJECT NUMBER: | NH 2403 (I)S            | DRAWN BY:    | SJB, RHB          |
| FILE NAME:      | pave/04b032/p04b032.dgn | DESIGNED BY: | JDA               |
| PROJECT LEADER: | EPD                     | CHECKED BY:  | EPD               |
| PLOT FILE:      | p04b032i12.i            | SHEET        | 20 OF 48          |

**GENERAL NOTES**

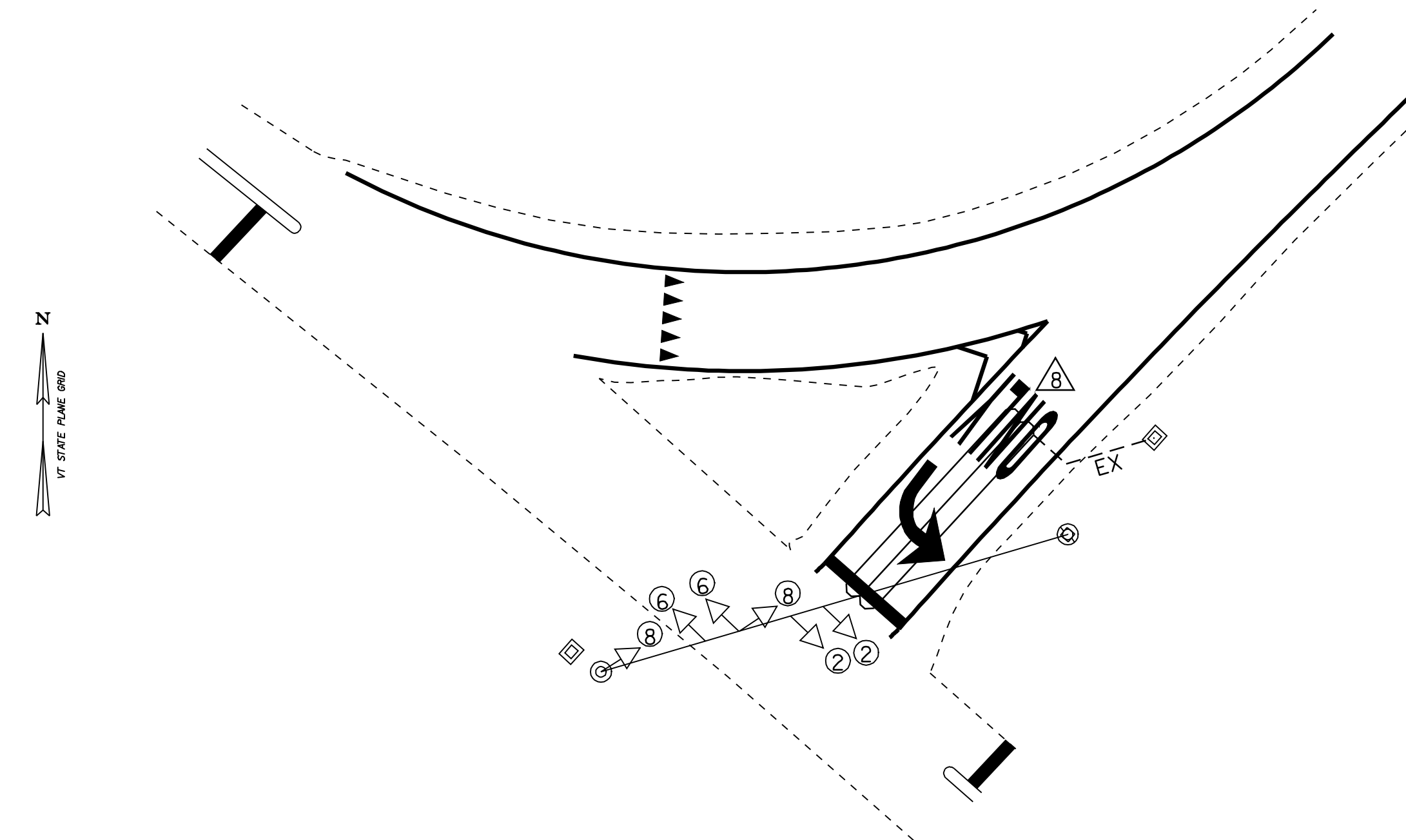
1. THIS PLAN IS NOT TO SCALE AND SHALL BE USED AS A GUIDE. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS, INCLUDING, BUT NOT LIMITED TO, UTILITIES, POLES, PULL BOXES, STRIPING, AND LOOP DETECTORS. THE CONTRACTOR SHALL CONFIRM ALL LOCATIONS IN THE FIELD WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.
2. PRIOR TO COLD PLANING, THE CONTRACTOR SHALL DISCONNECT THE VEHICLE DETECTOR LOOP IN THE CONTROLLER CABINET AND CUT IT AT THE CURB OR SHOULDER. ONCE THE VEHICLE DETECTOR LOOP IS DISCONNECTED, THE SIGNAL PHASE THAT IT WAS CALLING SHALL BE SET ON MAXIMUM RECALL OR THE SIGNAL SHALL BE SET TO FLASH WHILE TRAFFIC IS BEING CONTROLLED BY A UNIFORMED TRAFFIC OFFICER. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM 678.22, "VEHICLE LOOP DETECTOR".
3. ALL PROPOSED VEHICLE DETECTOR LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE, WHICH IS IMMEDIATELY BELOW THE WEARING SURFACE. ONCE THE PROPOSED VEHICLE DETECTOR LOOP IS INSTALLED, THE INDUCTANCE, RESISTANCE AND LEAKAGE TO GROUND MUST BE TESTED USING PROPERLY CALIBRATED EQUIPMENT. THESE TEST RESULTS SHALL BE COMPARED WITH THE CALCULATED VALUES SHOWN ON THE LAYOUT PLANS AND THE FIELD MEASURED VALUES SHALL BE RECORDED ON THE LAYOUT PLANS. UPON COMPLETION OF THE INSTALLATION OF A PROPOSED VEHICLE LOOP DETECTOR, THE SIGNAL SHALL BE RETURNED TO NORMAL OPERATION.
4. THE CONTRACTOR SHALL USE THE EXISTING CONDUIT WHICH RUNS FROM THE CURB TO THE CONTROLLER PANEL FOR THE NEW LOOP DETECTORS.
5. EXISTING TIMINGS WILL BE USED.
6. WORK IMPROVEMENTS CONSISTING OF THOSE SHOWN ON PLANS SHALL BE PERFORMED ACCORDING TO SPECIFICATIONS AND STANDARD DRAWINGS OF VERMONT AGENCY OF TRANSPORTATION. VEHICLE DETECTOR LOOPS SHALL COMPLY WITH VTRANS STANDARD E-172.



**EXIT 7 RAMP D SIGNAL LAYOUT PLAN**

| VEHICLE DETECTOR LOOPS |       |        |      |                  |                   |                       |                       |                   |  |
|------------------------|-------|--------|------|------------------|-------------------|-----------------------|-----------------------|-------------------|--|
| LOOP NO.               | LANE  | CALL Ø | SIZE | TYPE & NO. TURNS | DELAY OR PRESENCE | INDUCTANCE CALC. ACT. | RESISTANCE CALC. ACT. | LEAKAGE TO GROUND |  |
| 2A                     | WB RT | Ø 1    | 6x40 | QUAD-2           | PRESENCE          | 348                   | 0.68                  |                   |  |
| 2B                     | WB LT | Ø 1    | 6x40 | QUAD-2           | PRESENCE          | 351                   | 0.73                  |                   |  |

\* ALL CALCULATED VALUES ARE AT THE CONTROLLER. MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.



**EXIT 12 RAMP D SIGNAL LAYOUT PLAN**

| VEHICLE DETECTOR LOOPS |       |        |      |                  |                   |                       |                       |                   |  |
|------------------------|-------|--------|------|------------------|-------------------|-----------------------|-----------------------|-------------------|--|
| LOOP NO.               | LANE  | CALL Ø | SIZE | TYPE & NO. TURNS | DELAY OR PRESENCE | INDUCTANCE CALC. ACT. | RESISTANCE CALC. ACT. | LEAKAGE TO GROUND |  |
| 8                      | SB LT | Ø 1    | 6x40 | QUAD-2           | PRESENCE          | 345                   | 0.64                  |                   |  |

\* ALL CALCULATED VALUES ARE AT THE CONTROLLER. MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

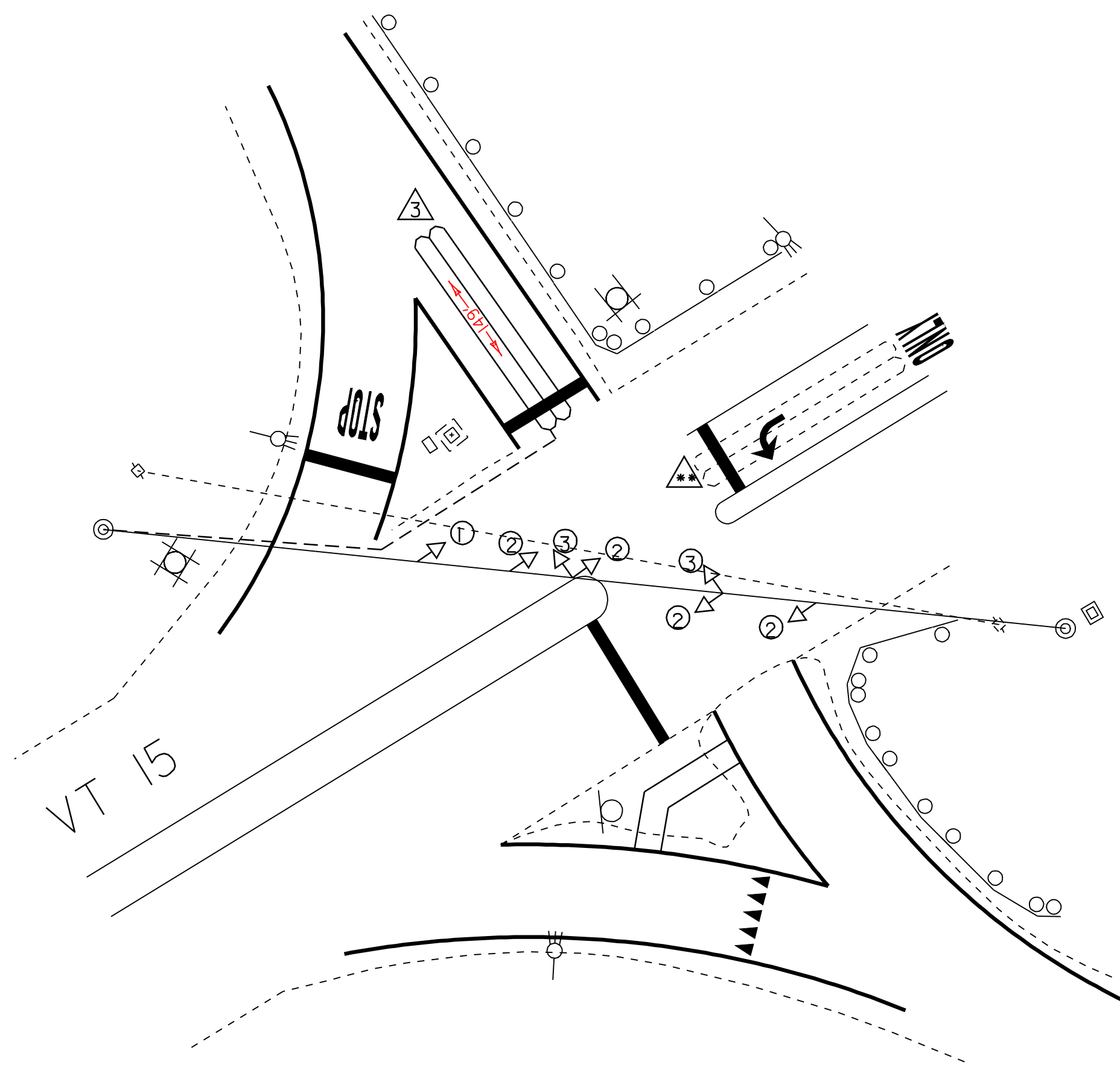
**678.22 VEHICLE LOOP DETECTOR**

EXIT 7 RAMP D STA. 18+70 LT - STA. 19+10 LT (LOOP 2A - 40 FT)  
 EXIT 7 RAMP D STA. 18+70 RT - STA. 19+10 RT (LOOP 2B - 40 FT)  
 EXIT 12 RAMP D STA. 13+08 CL - STA. 13+48 CL (LOOP 8 - 40 FT)

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |

| EXISTING | NEW | LEGEND               |
|----------|-----|----------------------|
| ☐        |     | UTILITY POLE         |
| —○—      |     | LUMINAIRE            |
| ○        |     | LIGHT OR WOOD POLE   |
| ⊙        |     | STRAIN POLE          |
| ☐        |     | CONTROLLER CABINET   |
| ☐        |     | PULLBOX/JUNCTION BOX |
| —○—      |     | SIGNAL HEAD          |
| —EX—     |     | CONDUIT              |
| ⊖        |     | VEHICLE LOOPS        |
| ⊕        |     | PEDESTAL POST        |
| ⊕        |     | STANCHION            |
| —S       |     | SWEEP                |

|                            |                                    |                             |
|----------------------------|------------------------------------|-----------------------------|
| <b>LOOP LAYOUT SHEET 1</b> | PROJECT NAME: ESSEX                |                             |
|                            | PROJECT NUMBER: NH 2403 (1)S       |                             |
|                            | FILE NAME: pave/04b032/p04b032.dgn | PLOT DATE: 23-APR-2009 15:5 |
|                            | PROJECT LEADER: EPD                | DRAWN BY: SJB, RHB          |
| DESIGNED BY: JDA           | CHECKED BY: EPD                    |                             |
| PLOT FILE: p04b032vdll.1   | SHEET 21 OF 48                     |                             |



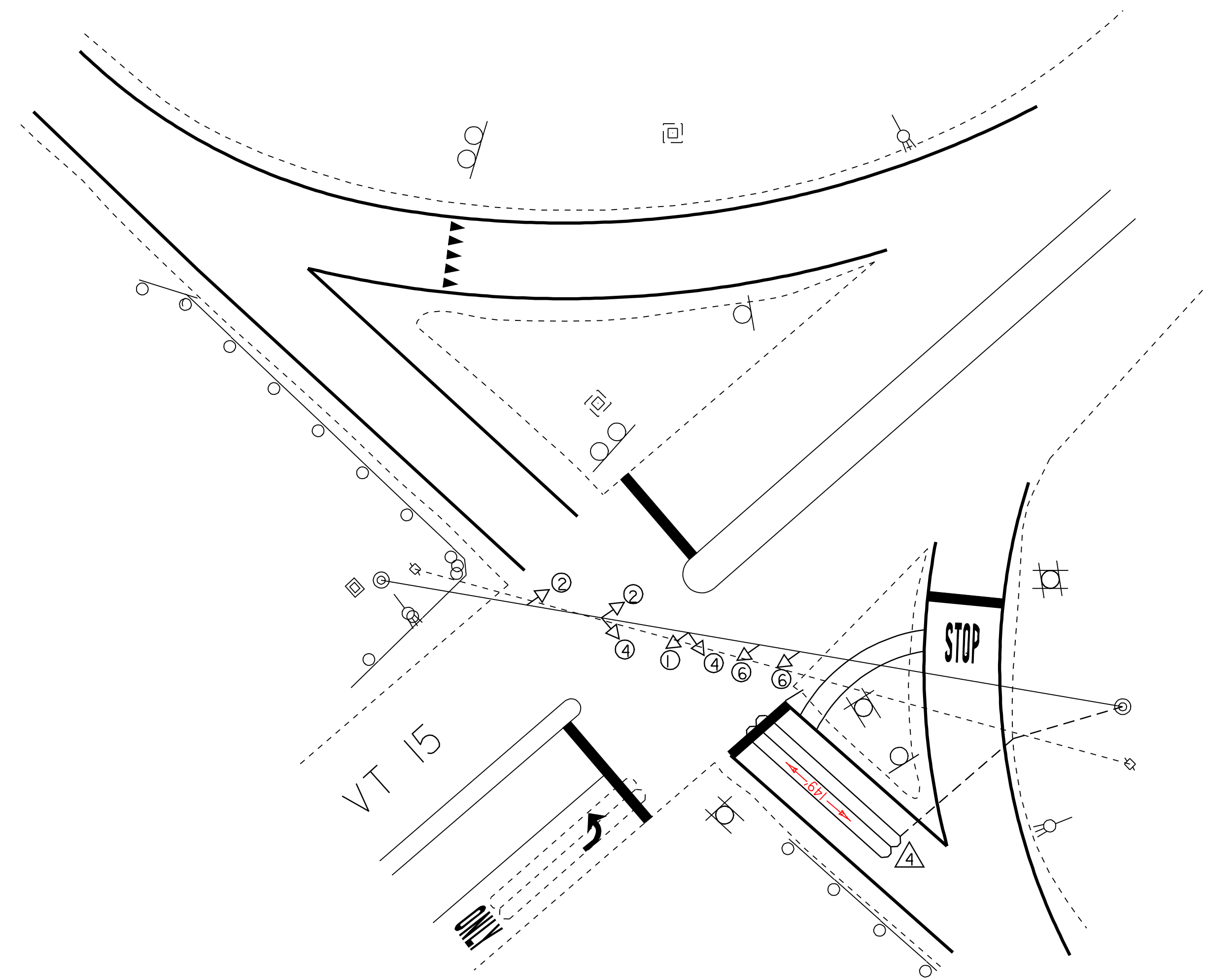
**EXIT 9 RAMP A SIGNAL LAYOUT PLAN**

| VEHICLE DETECTOR LOOPS |       |        |      |                  |                   |                       |                       |                   |
|------------------------|-------|--------|------|------------------|-------------------|-----------------------|-----------------------|-------------------|
| LOOP NO.               | LANE  | CALL Ø | SIZE | TYPE & NO. TURNS | DELAY OR PRESENCE | INDUCTANCE CALC. ACT. | RESISTANCE CALC. ACT. | LEAKAGE TO GROUND |
| 3                      | SB LT | Ø 1    | 6x40 | QUAD-2           | PRESENCE          | 361                   | 0.85                  |                   |

\* ALL CALCULATED VALUES ARE AT THE CONTROLLER.  
MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

678.22 VEHICLE LOOP DETECTOR

EXIT 9 RAMP A STA. 13+60 LT - STA. 13+88 LT (LOOP 3 - 40.0 FT)  
EXIT 9 RAMP C STA. 10+85 LT - STA. 11+11 LT (LOOP 4 - 40.0 FT)



**EXIT 9 RAMP C SIGNAL LAYOUT PLAN**

| VEHICLE DETECTOR LOOPS |       |        |      |                  |                   |                       |                       |                   |
|------------------------|-------|--------|------|------------------|-------------------|-----------------------|-----------------------|-------------------|
| LOOP NO.               | LANE  | CALL Ø | SIZE | TYPE & NO. TURNS | DELAY OR PRESENCE | INDUCTANCE CALC. ACT. | RESISTANCE CALC. ACT. | LEAKAGE TO GROUND |
| 4                      | SB LT | Ø 1    | 6x40 | QUAD-2           | PRESENCE          | 353                   | 0.75                  |                   |

\* ALL CALCULATED VALUES ARE AT THE CONTROLLER.  
MEASURED VALUES MUST BE FILLED IN PRIOR TO TEST PERIOD.

| EXISTING | NEW | LEGEND               |
|----------|-----|----------------------|
| □        |     | UTILITY POLE         |
| —○       |     | LUMINAIRE            |
| ○        |     | LIGHT OR WOOD POLE   |
| ⊙        |     | STRAIN POLE          |
| □        |     | CONTROLLER CABINET   |
| □        |     | PULLBOX/JUNCTION BOX |
| —○       |     | SIGNAL HEAD          |
| —EX—     | --- | CONDUIT              |
| ⊖        | ⊖   | VEHICLE LOOPS        |
| ⊕        |     | PEDESTAL POST        |
| ⊕        |     | STANCHION            |
| —S       |     | SWEEP                |

**NOTES**

- ALL NOTES ON LOOP LAYOUT SHEET I APPLY TO ALL INTERSECTIONS AND LOOPS ON THIS SHEET.
- EXISTING LOOPS ON VT 15 ARE TO REMAIN AS IS. NO WORK TO BE DONE TO THESE LOOPS. LOCATIONS SHOWN ARE APPROXIMATE.

DATUM

VERTICAL       N/A        
HORIZONTAL       N/A      

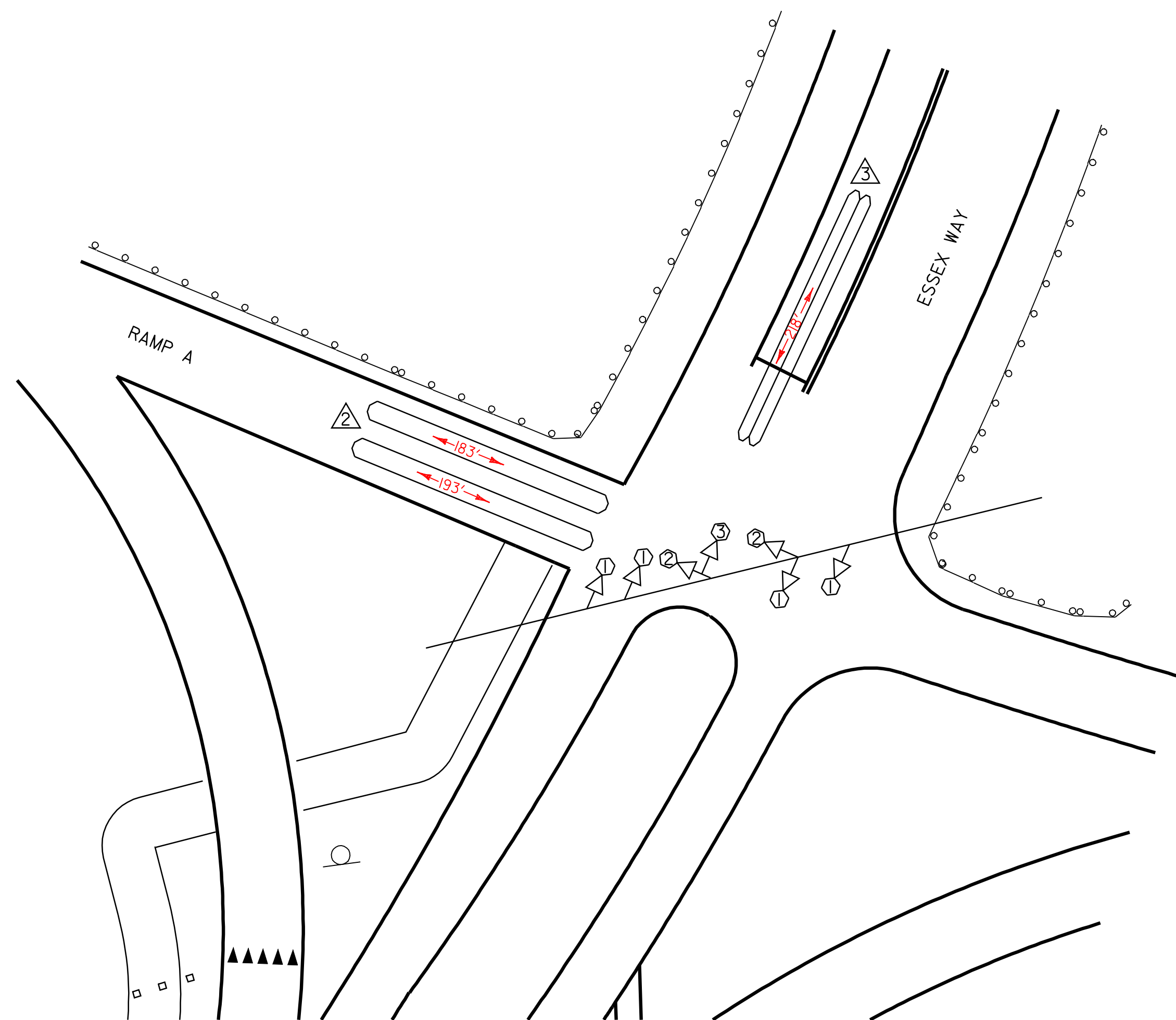
**LOOP LAYOUT SHEET 2**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S

FILE NAME: pave/04b032/p04b032.dgn PLOT DATE: 23-APR-2009 15:5  
PROJECT LEADER: EPD DRAWN BY: SJB, RHB  
DESIGNED BY: JDA CHECKED BY: EPD  
PLOT FILE: p04b032vd12.i SHEET 22 OF 48

| VEHICLE DETECTOR LOOPS |       |        |       |                  |                   |                       |                       |                   |
|------------------------|-------|--------|-------|------------------|-------------------|-----------------------|-----------------------|-------------------|
| LOOP NO.               | LANE  | CALL Ø | SIZE  | TYPE & NO. TURNS | DELAY OR PRESENCE | INDUCTANCE CALC. ACT. | RESISTANCE CALC. ACT. | LEAKAGE TO GROUND |
| 2                      | EB LT | Ø 1    | 12x52 | QUAD-2           | PRESENCE          | 468                   | 1.08                  |                   |
| 3                      | SB LT | Ø 1    | 6x55  | QUAD-2           | PRESENCE          | 491                   | 1.18                  |                   |

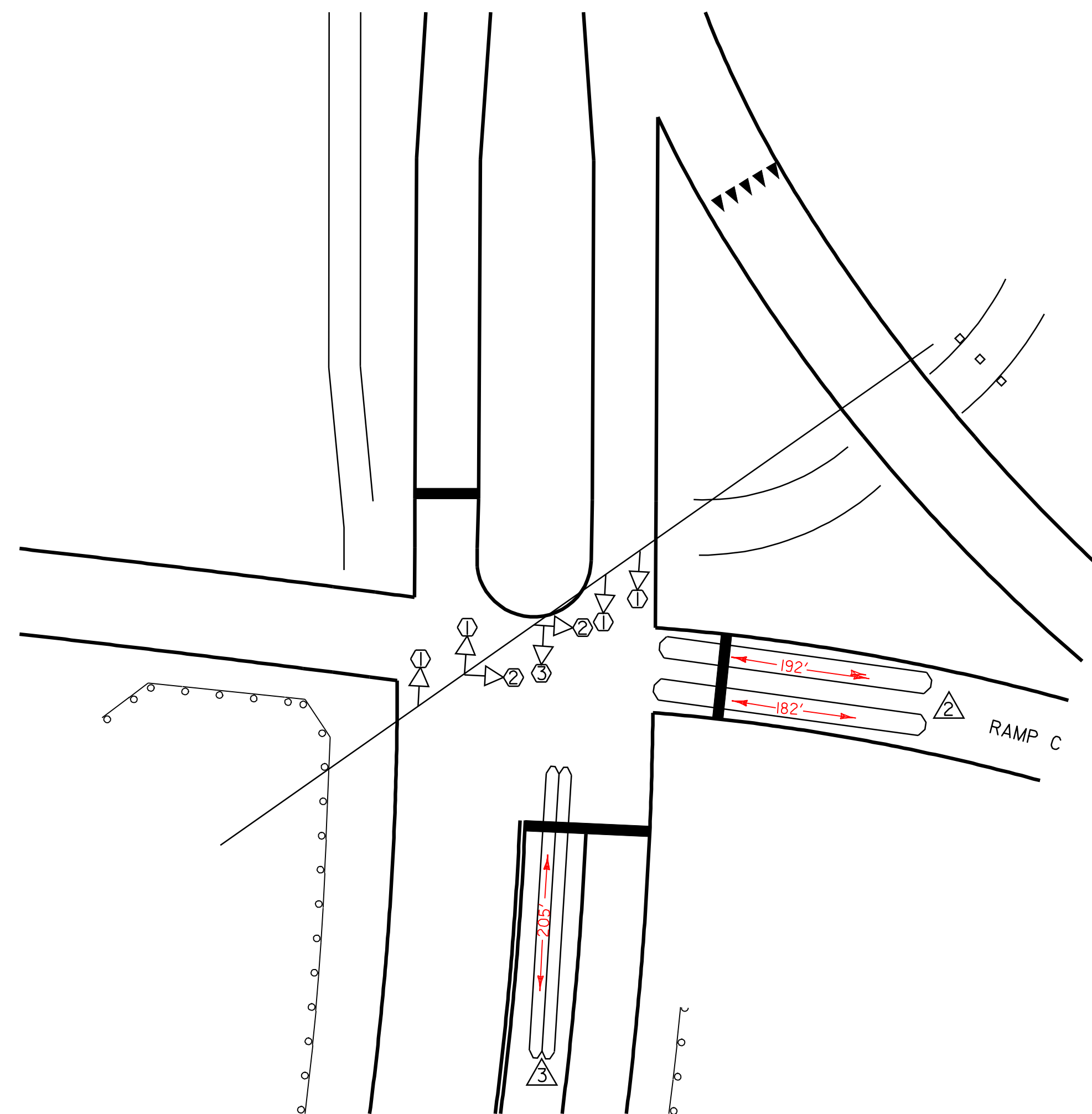
\* ALL CALCULATED VALUES ARE AT THE CONTROLLER.



**EXIT 10 RAMP A AND ESSEX WAY SIGNAL LAYOUT PLAN**

| VEHICLE DETECTOR LOOPS |       |        |       |                  |                   |                       |                       |                   |
|------------------------|-------|--------|-------|------------------|-------------------|-----------------------|-----------------------|-------------------|
| LOOP NO.               | LANE  | CALL Ø | SIZE  | TYPE & NO. TURNS | DELAY OR PRESENCE | INDUCTANCE CALC. ACT. | RESISTANCE CALC. ACT. | LEAKAGE TO GROUND |
| 2                      | WB LT | Ø 1    | 12x52 | QUAD-2           | PRESENCE          | 468                   | 1.11                  |                   |
| 3                      | NB LT | Ø 1    | 6x55  | QUAD-2           | PRESENCE          | 491                   | 1.17                  |                   |

\* ALL CALCULATED VALUES ARE AT THE CONTROLLER.



**EXIT 10 RAMP C AND ESSEX WAY SIGNAL LAYOUT PLAN**

678.22 VEHICLE LOOP DETECTOR  
 EXIT 10 RAMP A STA. 9+25 LT - STA. 9+75 LT (LOOP 2 53 FEET)  
 EXIT 10 ESSEX WAY STA. 3+25 LT - STA. 3+80 LT (LOOP 3 55 FEET)  
 EXIT 10 RAMP C STA. 11+50 LT - STA. 12+03 LT (LOOP 2 53 FEET)  
 EXIT 10 ESSEX WAY STA. 5+45 LT - STA. 6+25 LT (LOOP 3 55 FEET)

**NOTES**

- ALL NOTES ON LOOP LAYOUT SHEET I APPLY TO ALL INTERSECTIONS AND LOOPS ON THIS SHEET.

| EXISTING | NEW | LEGEND               |
|----------|-----|----------------------|
|          |     | UTILITY POLE         |
|          |     | LUMINAIRE            |
|          |     | LIGHT OR WOOD POLE   |
|          |     | STRAIN POLE          |
|          |     | CONTROLLER CABINET   |
|          |     | PULLBOX/JUNCTION BOX |
|          |     | SIGNAL HEAD          |
|          |     | CONDUIT              |
|          |     | VEHICLE LOOPS        |
|          |     | PEDESTAL POST        |
|          |     | STANCHION            |
|          |     | SWEEP                |

|            |     |
|------------|-----|
| DATUM      |     |
| VERTICAL   | N/A |
| HORIZONTAL | N/A |

|                            |                                    |                             |
|----------------------------|------------------------------------|-----------------------------|
| <b>LOOP LAYOUT SHEET 3</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                            | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                            | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                            | DESIGNED BY: JDA                   | SHEET 23 OF 48              |
|                            | PLOT FILE: p04b032vd13.1           |                             |

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER               | SIGN LEGEND    | SIGN DIMENSIONS |            |             | NEW & SALVAGED SIGNS |       |           |          |                      |         |              | NEW SIGN POSTS  |     |     |                   |     |     |     |                       |         |     |                    |     |     | REMARKS | SIGN DETAIL   |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
|---|----------------|-----------------|------------|-------------|----------------------|-------|-----------|----------|----------------------|---------|--------------|-----------------|-----|-----|-------------------|-----|-----|-----|-----------------------|---------|-----|--------------------|-----|-----|---------|---------------|-----|--------|---------|------------------------|-------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
|   |                |                 |            |             | "A"                  | "B"   | SALV SIGN | SALV TIS | EXIST POST<br>RETAIN | SALVAGE | NO. OF POSTS | FLANGED CHANNEL |     |     | SQUARE STEEL (in) |     |     |     | TUBULAR ALUMINUM (in) |         |     | TUBULAR STEEL (in) |     |     |         | W-SHAPE STEEL |     |        | REQUIRE | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |           |       |       |       |       |       |       |       |       |       |  |  |
|   |                | EA              | WIDTH (in) | HEIGHT (in) |                      |       |           |          |                      |         |              | 1.2             | 2.0 | 3.0 | 1.75              | 2.0 | 2.5 | 3.0 | 4.0                   | 4.0 MOD | 3.0 | 3.5                | 4.0 | 5.0 |         | 24"           | 30" | WEIGHT |         |                        |                   | POST SIZE |       |       |       |       |       |       |       |       |       |  |  |
|   |                |                 |            |             | lb/ft                | lb/ft | lb/ft     | lb/ft    |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           | lb/ft | lb/ft | lb/ft | lb/ft | lb/ft | lb/ft | lb/ft | lb/ft | lb/ft |  |  |
| OPTION ITEMS                                      |                |                 |            |             |                      |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 1+26.86 RT                     | NORTH<br><br>← | 1               | 24         | 12          | 2.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
|   | EAST<br><br>↑  | 1               | 24         | 12          | 2.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
|   | SOUTH<br><br>→ | 1               | 24         | 12          | 2.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 1+33.97 RT                     | NORTH<br><br>↑ | 1               | 24         | 12          | 2.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
|   | EAST<br><br>→  | 1               | 24         | 12          | 2.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 2+33.69 RT                     |                | 1               | 36         | 48          | 12.00                |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 3+35.76 RT                     |                | 1               | 36         | 36          | 9.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 9+75.32 LT - STA. 12+40.14 LT  |                | 4               | 30         | 36          | 30.00                |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 12+59.31 LT AND RT             |                | 2               | 36         | 24          | 12.00                |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 13+83.10 LT - STA. 17+20.51 LT |                | 5               | 30         | 36          | 37.50                |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 14+32.07 RT                    |                | 1               | 6          | 10          | 0.42                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 17+44.25 RT                    |                | 1               | 30         | 30          | 6.25                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP A STA. 19+08.67 RT                    |                | 1               | 6          | 10          | 0.42                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
| EXIT 7 RAMP D STA. 19+07.09 LT                    |                | 1               | 30         | 30          | 6.25                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
|   |                | 1               | 36         | 12          | 3.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |
|   |                | 1               | 36         | 12          | 3.00                 |       |           |          |                      |         |              |                 |     |     |                   |     |     |     |                       |         |     |                    |     |     |         |               |     |        |         |                        |                   |           |       |       |       |       |       |       |       |       |       |  |  |

|   |               |    |    |     |    |  |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---|---------------|----|----|-----|----|--|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE." |               |    |    |     |    |  |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|   | <b>TOTALS</b> | SF | SF | EA. | SF |  |  | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. |
|   | 162.79        |    |    |     |    |  |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

**TRAFFIC SIGN SUMMARY SHEET 1**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S

FILE NAME: pave/04b032/p04b032.dgn PLOT DATE: 23-APR-2009 15:58  
PROJECT LEADER: EPD DRAWN BY: SJB, RHB  
DESIGNED BY: JDA CHECKED BY: EPD  
PLOT FILE: p04b032ssl1 SHEET 24 OF 48

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            | NEW & SALVAGED SIGNS |     |     |           | EXIST POST | NO. OF POSTS | NEW SIGN POSTS |        |         |                 |     |     |                   |     |     |                         |     |         |                      |     |     |     | REMARKS | SIGN DETAIL   |           |           |                        |                   |
|-------------------------------------|-------------|-----------------|------------|----------------------|-----|-----|-----------|------------|--------------|----------------|--------|---------|-----------------|-----|-----|-------------------|-----|-----|-------------------------|-----|---------|----------------------|-----|-----|-----|---------|---------------|-----------|-----------|------------------------|-------------------|
|                                     |             | E A             | WIDTH (In) | HEIGHT (In)          | "A" | "B" | SALV SIGN |            |              | SALV TIS       | RETAIN | SALVAGE | FLANGED CHANNEL |     |     | SQUARE STEEL (In) |     |     | TUBULAR ALUMINUM Ø (In) |     |         | TUBULAR STEEL Ø (In) |     |     |     |         | W-SHAPE STEEL |           | REQ. SIGN | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|                                     |             |                 |            |                      |     |     |           |            |              |                |        |         | 1.12            | 2.0 | 3.0 | 1.75              | 2.0 | 2.5 | 3.0                     | 4.0 | 4.0 MOD | FOUND-ATION          | 3.0 | 3.5 | 4.0 |         | 5.0           | FTG. SIZE |           |                        |                   |

| OPTION ITEMS  |           |   |    |    |       |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   |        |        |        |        |
|---|-----------|---|----|----|-------|-------|--|--|--|--|---|---|---|--|---|--|--|--|--|--|--|--|--|--|--|---|-------------------|--------|--------|--------|--------|
| EXIT 7 RAMP D<br>STA. 18+94.74 RT                     |           | 1 | 30 | 30 | 6.25  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  | X | R5-1 BACK TO BACK | E-143  |        |        |        |
|   | SOUTH<br> | 1 | 24 | 12 | 2.00  |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   | M3-3              | E-136B |        |        |        |
|   |           | 1 | 24 | 24 | 4.00  |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   |        | E-136B |        |        |
|   |           | 1 | 21 | 15 | 2.19  |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | E-136B |        |
|   | NORTH<br> | 1 | 24 | 12 | 2.00  |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   | M3-1   | E-136B |        |        |
|   |           | 1 | 24 | 24 | 4.00  |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | E-136B |        |
|   |           | 1 | 21 | 15 | 2.19  |       |  |  |  |  |   |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   |        |        |        | E-136B |
| EXIT 7 RAMP D<br>STA. 17+97.37 RT                     |           | 1 | 36 | 30 | 7.50  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   | VR-925 | E-145A |        |        |
| EXIT 7 RAMP D<br>STA. 16+72.57 LT                     |           | 1 | 36 | 24 | 6.00  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   | R5-1A  | E-143  |        |        |
| EXIT 7 RAMP D<br>STA. 16+72.57 RT                     |           | 1 | 36 | 24 | 6.00  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   | R5-1A  | E-143  |        |        |
| EXIT 7 RAMP D<br>STA. 16+00.00 RT                     |           |   |    |    |       |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   |        |        |        |        |
| EXIT 7 RAMP D<br>STA. 11+41.67 RT                     |           | 1 | 36 | 36 | 9.00  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   | W3-3   | E-152  |        |        |
| EXIT 7 RAMP D<br>STA. 8+04.39 RT                      |           | 1 | 6  | 10 | 0.42  |       |  |  |  |  | 1 | X |   |  | X |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | E-138  |        |
| EXIT 7 RAMP D<br>STA. 5+15.70 LT<br>- STA. 6+55.54 LT |           | 3 | 30 | 36 | 22.50 |       |  |  |  |  | 3 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   |        | W1-8   | E-150  |        |
| EXIT 7 RAMP D<br>STA. 5+09.40 LT                      |           | 1 | 72 | 60 |       | 30.00 |  |  |  |  | 2 |   |   |  |   |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | E-131  |        |
| EXIT 7 RAMP D<br>STA. 5+01.69 LT                      |           | 1 | 18 | 18 | 2.25  |       |  |  |  |  | 1 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | OMI-1  | E-150  |
| STA. 419+99.80 RT                                     |           | 1 | 30 | 15 | 3.13  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | M3-2   | E-136B |
| STA. 421+78.62 LT                                     |           | 1 | 36 | 36 | 9.00  |       |  |  |  |  | 2 |   | X |  | X |  |  |  |  |  |  |  |  |  |  |   |                   |        |        | 43     |        |

|  |  |  |  |  |  |  |  |  |  |        |        |      |        |     |    |    |     |     |    |    |    |    |    |  |  |
|--|--|--|--|--|--|--|--|--|--|--------|--------|------|--------|-----|----|----|-----|-----|----|----|----|----|----|--|--|
| <p>FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC &amp; SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."</p> |  |  |  |  |  |  |  |  |  | FT     | FT     | FT   | FT     | FT  | FT | EA | LB  | LB  | LB | LB | EA | EA | LB |  |  |
|  |  |  |  |  |  |  |  |  |  | 8.00   | 300.00 | 8.00 | 300.00 |     |    |    |     | 228 |    |    |    |    |    |  |  |
|  |  |  |  |  |  |  |  |  |  | 300.00 | 280.00 |      |        |     |    |    |     |     |    |    |    |    |    |  |  |
|  |  |  |  |  |  |  |  |  |  | FT     | FT     | EA   | EA     | LB  | EA | EA | LB  |     |    |    |    |    |    |  |  |
|  |  |  |  |  |  |  |  |  |  | 308.00 | 288.00 | 2    |        | 228 | 2  |    | 190 |     |    |    |    |    |    |  |  |

**TRAFFIC SIGN SUMMARY SHEET 2**













PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S

FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032ss2.1

PLOT DATE: 23-APR-2009 15:55  
DRAWN BY: SJB, RHB  
CHECKED BY: EPD  
SHEET 25 OF 48

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            |             | NEW & SALVAGED SIGNS |     |           |          | EXIST POST<br>RETAIN<br>SALVAGE | NO. OF POSTS | NEW SIGN POSTS  |      |      |      |      |     |                   |              |     |                         |     |      |                      |     |        |           |               |  | REMARKS | SIGN DETAIL |                        |
|-------------------------------------|-------------|-----------------|------------|-------------|----------------------|-----|-----------|----------|---------------------------------|--------------|-----------------|------|------|------|------|-----|-------------------|--------------|-----|-------------------------|-----|------|----------------------|-----|--------|-----------|---------------|--|---------|-------------|------------------------|
|                                     |             | E A             | WIDTH (In) | HEIGHT (In) | "A"                  | "B" | SALV SIGN | SALV TIS |                                 |              | FLANGED CHANNEL |      |      |      |      |     | SQUARE STEEL (In) |              |     | TUBULAR ALUMINUM Ø (In) |     |      | TUBULAR STEEL Ø (In) |     |        |           | W-SHAPE STEEL |  |         | SFRG REQ'D  | DETAIL ON SHEET NUMBER |
|                                     |             |                 |            |             |                      |     |           |          | lb/ft                           |              |                 | 1.75 | 2.0  | 2.5  | 3.0  | 4.0 | 4.0 MOD           | FOUND-A-TION | 3.0 | 3.5                     | 4.0 | 5.0  | FTG. SIZE            |     | WEIGHT | POST SIZE |               |  |         |             |                        |
|                                     |             |                 |            |             |                      |     |           |          | 1.12                            |              | 2.0             | 3.0  | 1.88 | 2.16 | 3.35 | 1.3 | 1.7               |              | 1.7 | 7.6                     | 9.0 | 10.8 | 14.6                 | 24" |        |           | 30"           |  |         |             |                        |

| OPTION ITEMS                |   |   |     |     |        |  |  |  |  |  |  |   |         |            |   |   |  |  |  |  |  |  |  |  |  |   |   |                               |       |  |       |       |       |
|-----------------------------|---|---|-----|-----|--------|--|--|--|--|--|--|---|---------|------------|---|---|--|--|--|--|--|--|--|--|--|---|---|-------------------------------|-------|--|-------|-------|-------|
| STA. 422+40.00<br>LT AND RT |    | 2 | 12  | 24  | 4.00   |  |  |  |  |  |  | 2 |         | X<br>12'   |   | X |  |  |  |  |  |  |  |  |  |   |   |                               |       |  | DIO-1 |       | E-139 |
| STA. 430+01.87 RT           |    | 1 | 36  | 48  | 12.00  |  |  |  |  |  |  | 2 |         | X<br>16/16 |   | X |  |  |  |  |  |  |  |  |  |   |   |                               |       |  | R2-1  |       | E-142 |
| STA. 431+97.99 LT           |    | 1 | 36  | 36  | 9.00   |  |  |  |  |  |  | 2 |         | X<br>16/16 |   | X |  |  |  |  |  |  |  |  |  |   |   |                               |       | EXISTING FLASHING BEACONS TO BE REINSTALLED ON NEW SIGN POSTS. PAYMENT FOR REINSTALLING NEW BEACONS TO BE PAID FOR UNDER ITEM 678.16 *FLASHING BEACON - GROUND MOUNTED (MOD.)" | 43    |       |       |
| STA. 433+27.61 RT           |    | 1 | 6   | 10  | 0.42   |  |  |  |  |  |  | 1 | X<br>8' |            | X |   |  |  |  |  |  |  |  |  |  |   |   |                               |       |  |       | E-138 |       |
| STA. 436+03.84 LT           |    | 1 | 96  | 30  | 20.00  |  |  |  |  |  |  |   |         |            |   |   |  |  |  |  |  |  |  |  |  |   |   |                               |       |  |       | E-131 |       |
| STA. 436+03.84 LT           |    | 1 | 192 | 126 | 168.00 |  |  |  |  |  |  | 2 |         |            |   |   |  |  |  |  |  |  |  |  |  | 2 |   | 777<br>20.25/18.0<br>803.25LB | W8X21 | BOLT TENSION 33.13 KIPS  | 40    |       |       |
| STA. 437+07.43 RT           |  | 1 | 120 | 36  | 30.00  |  |  |  |  |  |  | 2 |         |            |   |   |  |  |  |  |  |  |  |  |  |   | 2 | X                             |       |  |       | 40    |       |
| STA. 443+43.93 LT           |  | 1 | 6   | 10  | 0.42   |  |  |  |  |  |  | 1 | X<br>8' |            | X |   |  |  |  |  |  |  |  |  |  |   |   |                               |       |  |       | E-138 |       |
| STA. 454+06.08 RT           |  | 1 | 6   | 10  | 0.42   |  |  |  |  |  |  | 1 | X<br>8' |            | X |   |  |  |  |  |  |  |  |  |  |   |   |                               |       |  |       | E-138 |       |
| STA. 448+50.00 RT           |  | 1 | 36  | 36  | 9.00   |  |  |  |  |  |  | 2 |         | X<br>14/14 |   | X |  |  |  |  |  |  |  |  |  |   |   |                               |       |  |       | 43    |       |
| STA. 451+50.00 RT           |  | 1 | 36  | 36  | 9.00   |  |  |  |  |  |  | 2 |         | X<br>14/14 |   | X |  |  |  |  |  |  |  |  |  |   |   |                               |       |  | W4-2  |       | E-151 |
| STA. 462+00.00 RT           |  | 1 | 120 | 36  | 30.00  |  |  |  |  |  |  | 2 |         |            |   |   |  |  |  |  |  |  |  |  |  |   |   | 2                             | X     |  |       |       | 40    |

| TOTALS | SF    | SF               | EA. | SF |  | FT               | FT     | FT | EA. | LB     | LB  | LB            | EA. | LB            | EA. | EA. | LB |
|--------|-------|------------------|-----|----|--|------------------|--------|----|-----|--------|-----|---------------|-----|---------------|-----|-----|----|
|        | 64.26 | 228.00<br>198.00 |     |    |  | 160.00<br>156.00 | 160.00 |    |     | 4<br>2 | 354 | -354<br>197.6 | 2   | 777<br>803.25 |     |     |    |












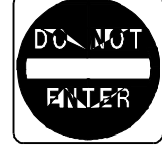


FT 24.00 FT 16.00 FT 120.00 FT 40.00 FT 120.00 FT 16.00 FT 120.00 EA LB LB LB LB 354 LB LB LB LB

|                                     |                                    |                             |
|-------------------------------------|------------------------------------|-----------------------------|
| <b>TRAFFIC SIGN SUMMARY SHEET 3</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                                     | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                                     | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                                     | DESIGNED BY: JDA                   | SHEET 26 OF 48              |
| PLOT FILE: p04b032ss3.1             |                                    |                             |

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



# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND   | SIGN DIMENSIONS<br>E A WIDTH (In) HEIGHT (In)                                       |     | NEW & SALVAGED SIGNS |              |           |          | EXIST POST<br>RETAIN<br>SALVAGE | NO. OF POSTS | NEW SIGN POSTS  |            |     |                   |      |      |                       |             |     |                    |         |              |     |               | REMARKS | SIGN DETAIL                |                        |                   |       |           |     |        |           |
|-------------------------------------|---|---|-----|----------------------|--------------|-----------|----------|---------------------------------|--------------|-----------------|------------|-----|-------------------|------|------|-----------------------|-------------|-----|--------------------|---------|--------------|-----|---------------|---------|----------------------------|------------------------|-------------------|-------|-----------|-----|--------|-----------|
|                                     |   |   |     | "A"                  | "B"          | SALV SIGN | SALV TIS |                                 |              | FLANGED CHANNEL |            |     | SQUARE STEEL (In) |      |      | TUBULAR ALUMINUM (In) |             |     | TUBULAR STEEL (In) |         |              |     | W-SHAPE STEEL |         |                            | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |       |           |     |        |           |
|                                     |   |   |     |                      |              |           |          |                                 |              | lb/ft           |            |     | 1.75              | 2.0  | 2.5  | ANCHOR                | S L E E V E | 3.0 | 4.0                | 4.0 MOD | FOUND-ACTION | 3.0 | 3.5           |         | 4.0                        |                        |                   | 5.0   | FTG. SIZE |     | WEIGHT | POST SIZE |
|                                     |   |   |     |                      |              |           |          |                                 |              | 1.12            | 2.0        | 3.0 | 1.88              | 2.16 | 3.35 |                       |             | 1.3 | 1.7                | 1.7     |              | 7.6 | 9.0           |         | 10.8                       |                        |                   | 14.6  | 24"       | 30" |        |           |
|                                     |   |   |     |                      |              |           |          |                                 | OPTION ITEMS |                 |            |     |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        |                   |       |           |     |        |           |
| STA. 495+54.19 LT                   |    |   | 36  | 36                   | 9.00         |           |          |                                 | 2            |                 | X<br>14/14 |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            | W4-1                   | E-150             |       |           |     |        |           |
| STA. 495+70.68 LT                   |    |   | 6   | 10                   | 0.42         |           |          |                                 | 1            | X<br>8'         |            | X   |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | E-138             |       |           |     |        |           |
| STA. 501+00.00                      |    |   | 240 | 84                   |              | 140.00    |          |                                 |              |                 |            |     |                   |      |      |                       |             |     |                    |         |              |     |               |         | MOUNTED ON OVERHEAD BRIDGE | 42                     |                   |       |           |     |        |           |
| STA. 503+00.00 LT                   |    |   | 36  | 48                   | 12.00        |           |          |                                 | 2            |                 | X<br>16/16 |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            | R2-1                   | E-142             |       |           |     |        |           |
| STA. 505+63.49 RT                   |    |   | 36  | 36                   | 9.00         |           |          |                                 | 2            |                 | X<br>14/14 |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            | W4-3                   | E-155             |       |           |     |        |           |
| STA. 507+80.36 RT                   |    |   | 6   | 10                   | 0.42         |           |          |                                 | 1            | X<br>8'         |            | X   |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | E-138             |       |           |     |        |           |
| STA. 509+62.09 RT                   |   |   | 6   | 10                   | 0.42         |           |          |                                 | 1            | X<br>8'         |            | X   |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | E-138             |       |           |     |        |           |
|                                     |   |   |     |                      |              |           |          |                                 |              |                 |            |     |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        |                   |       |           |     |        |           |
|                                     |   |   |     |                      |              |           |          |                                 |              |                 |            |     |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        |                   |       |           |     |        |           |
| EXIT 9 RAMP B<br>STA. 1+46.77 LT    |  |   | 18  | 18                   | 2.25         |           |          |                                 | 1            |                 | X<br>8'    |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | OMI-1             | E-150 |           |     |        |           |
| EXIT 9 RAMP B<br>STA. 1+71.36 RT    |  |   | 36  | 36                   | 3.75<br>4.50 |           |          |                                 | 2            |                 | X<br>14/14 |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | R1-2              | E-146 |           |     |        |           |
| EXIT 9 RAMP B<br>STA. 2+65.42 RT    |  |   | 36  | 36                   | 9.00         |           |          |                                 | 2            |                 | X<br>14/14 |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | VR-046            | E-142 |           |     |        |           |
| EXIT 9 RAMP B<br>STA. 7+44.60 RT    |  |  |     | 30                   | 30           | 6.25      |          |                                 | 1            |                 | X<br>14/14 |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            | R3-2<br>BACK TO BACK   | E-143             |       |           |     |        |           |
| EXIT 9 RAMP C<br>STA. 4+23.80 LT    |  |   | 18  | 18                   | 2.25         |           |          |                                 | 1            |                 | X<br>8'    |     | X                 |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        | OMI-1             | E-150 |           |     |        |           |
| EXIT 9 RAMP C<br>STA. 4+46.07 LT    |  |   | 72  | 60                   |              | 30.00     |          |                                 | 2            |                 |            |     |                   |      |      |                       |             |     |                    |         |              |     |               |         |                            |                        |                   | E-131 |           |     |        |           |

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

|               |                 |        |     |    |  |                   |       |        |       |        |    |    |    |    |     |     |     |     |    |
|---------------|-----------------|--------|-----|----|--|-------------------|-------|--------|-------|--------|----|----|----|----|-----|-----|-----|-----|----|
| <b>TOTALS</b> | SF              | SF     | EA. | SF |  | FT                | FT    | FT     | FT    | FT     | EA | LB | LB | LB | EA. | LB  | EA. | EA. | LB |
|               | -61.76<br>61.16 | 170.00 |     |    |  | -219.00<br>198.00 | 24.00 | 195.00 | 24.00 | 195.00 |    |    |    |    | 2   | 228 |     |     |    |

**TRAFFIC SIGN SUMMARY SHEET 5**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S  
FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032ss5.l  
PLOT DATE: 23-APR-2009 15:58  
DRAWN BY: SJB, RHB  
CHECKED BY: EPD  
SHEET 28 OF 48



# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            | NEW & SALVAGED SIGNS |     |     |           | EXIST POST |         | NEW SIGN POSTS |              |                 |     |     |                   |      |      |        |                         |     |     |                      |              | REMARKS | SIGN DETAIL |               |      |      |          |          |                        |                   |           |     |        |           |
|-------------------------------------|-------------|-----------------|------------|----------------------|-----|-----|-----------|------------|---------|----------------|--------------|-----------------|-----|-----|-------------------|------|------|--------|-------------------------|-----|-----|----------------------|--------------|---------|-------------|---------------|------|------|----------|----------|------------------------|-------------------|-----------|-----|--------|-----------|
|                                     |             | EA              | WIDTH (In) | HEIGHT (In)          | "A" | "B" | SALV SIGN | SALVTIS    | RETAI N | SALVA GE       | NO. OF POSTS | FLANGED CHANNEL |     |     | SQUARE STEEL (In) |      |      |        | TUBULAR ALUMINUM Ø (In) |     |     | TUBULAR STEEL Ø (In) |              |         |             | W-SHAPE STEEL |      |      | REQUI RE | SIGNEE D | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |           |     |        |           |
|                                     |             |                 |            |                      |     |     |           |            |         |                |              | lb/ft           |     |     | 1.75              | 2.0  | 2.5  | ANCHOR | SLIP E                  | 3.0 | 4.0 | 4.0 MOD              | FOUND- ATION |         | 3.0         | 3.5           | 4.0  | 5.0  |          |          |                        |                   | FTG. SIZE |     | WEIGHT | POST SIZE |
|                                     |             |                 |            |                      |     |     |           |            |         |                |              | 1.12            | 2.0 | 3.0 | 1.88              | 2.16 | 3.35 |        |                         | 1.3 | 1.7 | 1.7                  |              |         | 7.6         | 9.0           | 10.8 | 14.6 |          |          |                        |                   | 24"       | 30" |        |           |

| OPTION ITEMS                         |          |      |    |    |       |       |  |  |  |  |   |  |   |   |   |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|--------------------------------------|----------|------|----|----|-------|-------|--|--|--|--|---|--|---|---|---|---|--|---|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--------|-------|-------|-------|-------|------|--------|--------|--|-------|--------|--------|------|-------|--|--|------|-------|--|--|--|--|--|-------|-------|--|--|--|--|--|--|
| EXIT 9 RAMP D<br>STA. 2+30.61 RT     |          |      | 36 | 36 | 4.50  |       |  |  |  |  | 2 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  | RI-2   | E-146 |       |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP D<br>STA. 4+14.56 RT     |          |      | 36 | 36 | 9.00  |       |  |  |  |  | 2 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  | VR-046 | E-142 |       |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP D<br>STA. 12+77.19 RT    |          |      | 30 | 30 | 6.25  |       |  |  |  |  | 1 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  | R9-1   | E-143 |       |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 30 | 30 | 6.25  |       |  |  |  |  |   |  |   |   |   | X |  | X |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        | R3-2  | E-143 |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 5+09.60 LT     |          |      | 18 | 18 | 2.25  |       |  |  |  |  | 1 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        | OMI-1 | E-150 |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 5+89.51 LT     |          |      | 72 | 60 |       | 30.00 |  |  |  |  | 2 |  |   |   |   |   |  |   |  | 2 | X |  |  |  |  |  |  |  |  |  |  |  |        |       |       | E-131 |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 7+03.53 RT     |          |      | 36 | 36 | 9.00  |       |  |  |  |  | 2 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       | W3-3  | E-152 |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 72 | 12 | 6.00  |       |  |  |  |  |   |  |   |   |   | X |  | X |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      | DI-1   | E-123  |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 9+09.05 RT     |          |      | 72 | 12 | 6.00  |       |  |  |  |  | 2 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       | DI-1 | E-123  |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 72 | 12 | 6.00  |       |  |  |  |  |   |  |   |   |   | X |  | X |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  | DI-1  | E-123  |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 11+11.08 RT    | <br><br> |      | 24 | 12 | 2.00  |       |  |  |  |  | 2 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       | M3-2 | E-136B |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      | <br><br> |      | 24 | 24 | 4.00  |       |  |  |  |  |   |  |   | X |   | X |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      | M6-1   | E-136B |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 21 | 15 | 2.19  |       |  |  |  |  |   |  |   |   |   |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  | M3-4  | E-136B |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 24 | 24 | 4.00  |       |  |  |  |  |   |  |   |   |   |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  |       | M6-2R  | E-136B |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| 21                                   | 15       | 2.19 |    |    |       |       |  |  |  |  |   |  |   |   |   |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  | M6-2R | E-136B |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 11+60.43 LT&RT |          | 2    | 36 | 24 | 12.00 |       |  |  |  |  | 4 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  | R5-1A | E-143  |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
| EXIT 9 RAMP A<br>STA. 14+30.76 RT    | <br>     |      | 30 | 30 | 6.25  |       |  |  |  |  | 1 |  | X |   | X |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  |       |        |        | RI-1 | E-143 |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 30 | 30 | 6.25  |       |  |  |  |  |   |  |   |   |   | X |  | X |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  |       |        |        |      |       |  |  | R5-1 | E-143 |  |  |  |  |  |       |       |  |  |  |  |  |  |
|                                      |          |      | 36 | 12 | 3.00  |       |  |  |  |  |   |  |   |   |   |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  | R6-IL | E-142 |  |  |  |  |  |  |
|                                      |          |      | 36 | 12 | 3.00  |       |  |  |  |  |   |  |   |   |   |   |  |   |  |   |   |  |  |  |  |  |  |  |  |  |  |  |        |       |       |       |       |      |        |        |  |       |        |        |      |       |  |  |      |       |  |  |  |  |  |       |       |  |  |  |  |  |  |

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

|               |                      |             |     |    |
|---------------|----------------------|-------------|-----|----|
| <b>TOTALS</b> | SF<br>96.13<br>95.53 | SF<br>30.00 | EA. | SF |
|---------------|----------------------|-------------|-----|----|

|  |        |        |        |        |        |    |    |     |       |    |    |     |    |     |     |    |
|--|--------|--------|--------|--------|--------|----|----|-----|-------|----|----|-----|----|-----|-----|----|
|  | FT     | FT     | FT     | FT     | FT     | FT | EA | LB  | LB    | LB | LB | EA. | LB | EA. | EA. | LB |
|  | 255.00 | 255.00 | 240.00 | 255.00 | 255.00 | 2  |    | 228 | 184.3 |    |    |     |    |     |     |    |
|  | 255.00 | 255.00 |        |        |        |    |    | 228 | 184.3 |    |    |     |    |     |     |    |

|                                     |                                    |                             |
|-------------------------------------|------------------------------------|-----------------------------|
| <b>TRAFFIC SIGN SUMMARY SHEET 7</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                                     | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                                     | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                                     | DESIGNED BY: JDA                   | SHEET 30 OF 48              |
|                                     | PLOT FILE: p04b032ss7.1            |                             |

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS<br>E A WIDTH (In) HEIGHT (In) |     | NEW & SALVAGED SIGNS |       |           |          | EXIST POST<br>RE<br>SALVAGE | NO. OF POSTS | NEW SIGN POSTS  |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     | REMARKS | SIGN DETAIL            |                                  |                                     |                         |       |
|-------------------------------------|-------------|---|-----|----------------------|-------|-----------|----------|-----------------------------|--------------|-----------------|------|-----|-------------------|-----|-----|---------|-----------------------|-----|-----|--------------------|-----|-----------|--------|---------------|-----|---------|------------------------|----------------------------------|-------------------------------------|-------------------------|-------|
|                                     |             |   |     | "A"                  | "B"   | SALV SIGN | SALV TIS |                             |              | FLANGED CHANNEL |      |     | SQUARE STEEL (In) |     |     |         | TUBULAR ALUMINUM (In) |     |     | TUBULAR STEEL (In) |     |           |        | W-SHAPE STEEL |     |         | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER                |                                     |                         |       |
|                                     |             |   |     |                      |       |           |          |                             |              | lb/ft           | 1.75 | 2.0 | 2.5               | 3.0 | 4.0 | 4.0 MOD | FOUND-ATION           | 3.0 | 3.5 | 4.0                | 5.0 | FTG. SIZE | WEIGHT | POST SIZE     |     |         |                        |                                  |                                     |                         |       |
|                                     |             |   |     |                      |       |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               | 1.2 |         |                        |                                  | 2.0                                 | 3.0                     | 1.88  |
| EXIT 9 RAMP A<br>STA. 13+71.80 LT   |             | I   | 30  | 30                   | 6.25  |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  | R5-1<br>R6-IR BACK TO BACK<br>R6-IL | E-143<br>E-142<br>E-142 |       |
| STA. 511+73.95 LT                   |             | I   | 96  | 30                   | 20.00 |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     | E-131                   |       |
|                                     |             | I   | 132 | 84                   |       | 77.00     |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        | MOUNTED ON CANTILEVER SIGN FRAME | 41                                  |                         |       |
| STA. 512+58.16 LT                   |             | I   | 6   | 10                   | 0.42  |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     |                         | E-138 |
| STA. 516+49.46 LT                   |             | I   | 6   | 10                   | 0.42  |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     |                         | E-138 |
| STA. 518+32.24 RT                   |             | I   | 6   | 10                   | 0.42  |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     |                         | E-138 |
| STA. 518+73.72 RT                   |             | I   | 96  | 30                   | 20.00 |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     |                         | E-131 |
|                                     |             | I   | 132 | 66                   |       | 60.50     |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  | MOUNTED ON CANTILEVER SIGN FRAME    | 41                      |       |
| STA. 523+01.71 RT                   |             | I   | 36  | 48                   | 12.00 |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     | R2-1                    | E-142 |
| STA. 520+13.35 LT                   |             | I   | 36  | 36                   | 9.00  |           |          |                             |              |                 |      |     |                   |     |     |         |                       |     |     |                    |     |           |        |               |     |         |                        |                                  |                                     |                         | E-155 |

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

|               |          |           |     |    |  |          |          |     |    |     |    |     |     |    |
|---------------|----------|-----------|-----|----|--|----------|----------|-----|----|-----|----|-----|-----|----|
| <b>TOTALS</b> | SF 74.51 | SF 137.50 | EA. | SF |  | FT 99.00 | FT 94.00 | EA. | LB | EA. | LB | EA. | EA. | LB |
|---------------|----------|-----------|-----|----|--|----------|----------|-----|----|-----|----|-----|-----|----|

**TRAFFIC SIGN SUMMARY SHEET 8**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S  
FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032ss8.1  
PLOT DATE: 23-APR-2009 15:55  
DRAWN BY: SJB, RHB  
CHECKED BY: EPD  
SHEET 31 OF 48

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            | NEW & SALVAGED SIGNS |     |     |           | EXIST POST |        | NEW SIGN POSTS |              |                 |  |      |     |                   |        |        |     |                         |         |            |                      |     |     |     | REMARKS | SIGN DETAIL   |  |        |                 |                        |                   |
|-------------------------------------|-------------|-----------------|------------|----------------------|-----|-----|-----------|------------|--------|----------------|--------------|-----------------|--|------|-----|-------------------|--------|--------|-----|-------------------------|---------|------------|----------------------|-----|-----|-----|---------|---------------|--|--------|-----------------|------------------------|-------------------|
|                                     |             | E A             | WIDTH (In) | HEIGHT (In)          | "A" | "B" | SALV SIGN | SALV TIS   | RETAIN | SALVAGE        | NO. OF POSTS | FLANGED CHANNEL |  |      |     | SQUARE STEEL (In) |        |        |     | TUBULAR ALUMINUM Ø (In) |         |            | TUBULAR STEEL Ø (In) |     |     |     |         | W-SHAPE STEEL |  |        | SLEEVE REQUIRED | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |
|                                     |             |                 |            |                      |     |     |           |            |        |                |              | lb/ft           |  | 1.75 | 2.0 | 2.5               | ANCHOR | SLEEVE | 3.0 | 4.0                     | 4.0 MOD | FOUNDATION | 3.0                  | 3.5 | 4.0 | 5.0 |         | FTG. SIZE     |  | WEIGHT |                 |                        |                   |

| OPTION ITEMS                         |  |   |     |    |       |       |  |  |  |  |   |  |       |   |   |   |  |  |  |   |   |  |  |  |  |  |  |       |   |        |       |  |  |  |
|--------------------------------------|--|---|-----|----|-------|-------|--|--|--|--|---|--|-------|---|---|---|--|--|--|---|---|--|--|--|--|--|--|-------|---|--------|-------|--|--|--|
| STA. 528+00.00<br>LT AND RT          |  | 2 | 12  | 36 | 6.00  |       |  |  |  |  | 2 |  | X     |   |   |   |  |  |  |   |   |  |  |  |  |  |  |       | D10-2   | E-139  |       |  |  |  |
| STA. 527+90.00                       |  | 1 | 168 | 84 |       | 98.00 |  |  |  |  |   |  |       |   |   |   |  |  |  |   |   |  |  |  |  |  |  |       | MOUNTED ON OVERHEAD BRIDGE  | 43     |       |  |  |  |
| STA. 529+98.34 RT                    |  | 1 | 36  | 36 | 9.00  |       |  |  |  |  | 2 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | W4-1  | E-150  |       |  |  |  |
| STA. 533+03.83 LT                    |  | 1 | 30  | 24 | 5.00  |       |  |  |  |  | 1 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | R8-7  | E-142  |       |  |  |  |
| EXIT 10 RAMP B<br>STA. 2+62.81 RT    |  | 1 | 36  | 36 | 4.50  |       |  |  |  |  | 2 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | RI-2  | E-146  |       |  |  |  |
| EXIT 10 RAMP B<br>STA. 4+63.15 RT    |  | 1 | 36  | 36 | 9.00  |       |  |  |  |  | 2 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | VR-046  | E-142  |       |  |  |  |
| EXIT 10 RAMP B<br>STA. 10+43.10 RT   |  | 1 | 30  | 30 | 6.25  |       |  |  |  |  | 1 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | R5-1  | E-143  |       |  |  |  |
| EXIT 10 RAMP B<br>STA. 10+43.10 RT   |  | 1 | 30  | 30 | 6.25  |       |  |  |  |  | 1 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | R3-2  | E-143  |       |  |  |  |
| EXIT 10 RAMP C<br>STA. 2+25.00 LT    |  | 1 | 18  | 18 | 2.25  |       |  |  |  |  | 1 |  | X     |   |   |   |  |  |  | 1 |   |  |  |  |  |  |  | OMI-1 | SLEEVE REQUIRED - FLANGED CHANNEL SIGN POST FOR THIS ASSEMBLY IS MODIFIED TO INCLUDED THE COST OF THE SLEEVE. |        | E-150 |  |  |  |
| EXIT 10 RAMP C<br>STA. 3+71.17 LT    |  | 1 | 18  | 18 | 2.25  |       |  |  |  |  | 1 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | OMI-1   | E-150  |       |  |  |  |
| EXIT 10 RAMP C<br>STA. 4+18.64 LT    |  | 1 | 72  | 60 |       | 30.00 |  |  |  |  | 2 |  |       |   |   |   |  |  |  |   | 2 |  |  |  |  |  |  |       | 12.5/13=193.8lbs  | X      | E-131 |  |  |  |
| EXIT 10 RAMP C<br>STA. 5+41.54 RT    |  | 1 | 36  | 36 | 9.00  |       |  |  |  |  | 2 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | W3-3  | E-152  |       |  |  |  |
| EXIT 10 RAMP C<br>STA. 9+29.91 LT&RT |  | 2 | 36  | 24 | 12.00 |       |  |  |  |  | 4 |  | 14/14 | X |   | X |  |  |  |   |   |  |  |  |  |  |  |       | R5-1A   | E-143  |       |  |  |  |
| EXIT 10 RAMP C<br>STA. 10+37.17 RT   |  | 1 | 36  | 36 | 9.00  |       |  |  |  |  | 2 |  |       | X |   | X |  |  |  |   |   |  |  |  |  |  |  |       | W11-1   | E-153B |       |  |  |  |
| EXIT 10 RAMP C<br>STA. 10+37.17 RT   |  | 1 | 30  | 12 | 2.50  |       |  |  |  |  | 1 |  |       |   |   |   |  |  |  |   |   |  |  |  |  |  |  |       | R3-17A  | E-143B |       |  |  |  |
| EXIT 10 RAMP C<br>STA. 11+37.35 LT   |  | 1 | 18  | 18 | 2.25  |       |  |  |  |  | 1 |  | X     |   | X |   |  |  |  |   |   |  |  |  |  |  |  |       | OMI-1   | E-150  |       |  |  |  |

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

|               |          |           |     |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------|----------|-----------|-----|----|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>TOTALS</b> | SF 85.25 | SF 128.00 | EA. | SF |  | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. |
|               |          |           |     |    |  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

**TRAFFIC SIGN SUMMARY SHEET 9**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S

FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032ss9.1

PLOT DATE: 23-APR-2009 15:55  
DRAWN BY: SJB, RHB  
CHECKED BY: EPD  
SHEET 32 OF 48

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |    | NEW & SALVAGED SIGNS |       |     |       | EXIST POST | NEW SIGN POSTS |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | REMARKS                             | SIGN DETAIL             |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
|-------------------------------------|-------------|-----------------|----|----------------------|-------|-----|-------|------------|----------------|-----------------|-----|-----|-------------------|-----|---------|-------------------------|-----|-----|----------------------|-----|-----------|--------|-------------------------------------|-------------------------|------------------|--------|--------------------|------------------------|-------------------|-----|-----|-----|-----|-----|------|------|-----|-----|--|--|--|--|
|                                     |             |                 |    |                      |       |     |       |            | NO. OF POSTS   | FLANGED CHANNEL |     |     | SQUARE STEEL (in) |     |         | TUBULAR ALUMINUM Ø (in) |     |     | TUBULAR STEEL Ø (in) |     |           |        |                                     | W-SHAPE STEEL           |                  |        | REQUIRED SIGN LINE | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |     |     |     |     |     |      |      |     |     |  |  |  |  |
|                                     |             |                 |    |                      |       |     |       |            |                | 1.75            | 2.0 | 2.5 | 3.0               | 4.0 | 4.0 MOD | FOUNDA-TION             | 3.0 | 3.5 | 4.0                  | 5.0 | FTG. SIZE |        |                                     | WEIGHT                  | POST SIZE        |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
|                                     |             |                 |    | 1.2                  | 2.0   | 3.0 | 1.88  | 2.16       |                |                 |     |     |                   |     |         |                         |     |     |                      |     | 3.35      | ANCHOR |                                     |                         |                  | SLEEVE |                    |                        |                   | 1.3 | 1.7 | 1.7 | 7.6 | 9.0 | 10.8 | 14.6 | 24" | 30" |  |  |  |  |
| OPTION ITEMS                        |             |                 |    |                      |       |     |       |            |                |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        |                                     |                         |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP C STA. 11+62.64 LT     |             | 30              | 30 | 6.25                 |       |     |       |            | 1              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R5-1<br>R6-IR BACK TO BACK<br>R6-IR | E-143<br>E-142<br>E-142 |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP C STA. 11+86.41 LT     |             | 30              | 30 | 6.25                 |       |     |       |            | 1              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R5-1<br>R6-IR BACK TO BACK<br>R6-IR | E-143<br>E-142<br>E-142 |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP C STA. 12+37.72 LT     |             | 30              | 30 | 6.25                 |       |     |       |            | 1              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R5-1                                | E-143                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP C STA. 12+41.54 RT     |             | 30              | 30 | 6.25                 |       |     |       |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R5-1<br>BACK TO BACK<br>R1-2        | E-143<br>E-146          |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
|                                     |             | 36              | 12 | 3.00                 |       |     |       |            |                |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R6-IL<br>R6-IR                      | E-142<br>E-142          |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP C STA. 12+76.00 RT     |             | 36              | 36 | 9.00                 |       |     |       |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | W6-1                                | E-151                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP D STA. 1+69.25 LT      |             | 18              | 18 | 2.25                 |       |     |       |            | 1              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | OMI-1                               | E-150                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP D STA. 3+48.24 RT      |             | 36              | 36 | 3.90<br>4.50         |       |     |       |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R1-2                                | E-146                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP D STA. 4+30.91 RT      |             | 36              | 36 | 9.00                 |       |     |       |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | VR-046                              | E-142                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP D STA. 9+26.97 RT      |             | 30              | 30 | 6.25                 |       |     |       |            | 1              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | R3-2<br>BACK TO BACK<br>R5-1        | E-143<br>E-143          |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP A STA. 3+93.45 LT      |             | 18              | 18 | 2.25                 |       |     |       |            | 1              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | OMI-1                               | E-150                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP A STA. 4+17.05 RT      |             | 36              | 36 | 9.00                 |       |     |       |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        | W3-3                                | E-152                   |                  |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP A STA. 4+40.48 LT      |             | 72              | 60 |                      |       |     | 30.00 |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        |                                     |                         | E-131            |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP A STA. 7+21.59 LT&RT   |             | 2               | 36 | 24                   | 12.00 |     |       |            | 4              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        |                                     | R5-1A                   | E-143            |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |
| EXIT 10 RAMP A STA. 8+19.18 RT      |             | 36              | 36 | 9.00                 |       |     |       |            | 2              |                 |     |     |                   |     |         |                         |     |     |                      |     |           |        |                                     | W11-1<br>R3-17A         | E-153B<br>E-143B |        |                    |                        |                   |     |     |     |     |     |      |      |     |     |  |  |  |  |

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

|               |                                  |             |     |    |  |                                   |              |     |         |                     |     |     |    |
|---------------|----------------------------------|-------------|-----|----|--|-----------------------------------|--------------|-----|---------|---------------------|-----|-----|----|
| <b>TOTALS</b> | SF<br>119.50<br><del>118.3</del> | SF<br>30.00 | EA. | SF |  | FT<br>330.00<br><del>300.00</del> | FT<br>330.00 | EA. | LB<br>2 | LB<br>-228<br>197.6 | EA. | EA. | LB |
|---------------|----------------------------------|-------------|-----|----|--|-----------------------------------|--------------|-----|---------|---------------------|-----|-----|----|

**TRAFFIC SIGN SUMMARY SHEET 10**

|                                    |                              |
|------------------------------------|------------------------------|
| PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:55 |
| PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB           |
| FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD              |
| DESIGNED BY: JDA                   | PLOT FILE: p04b032ssl01      |
| SHEET 33 OF 48                     |                              |

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            |             | NEW & SALVAGED SIGNS |     |           |          |         |          | EXIST POST   |                 | NEW SIGN POSTS |       |      |                   |     |     |     |                         |     |     |                      |     |        |           |               |     | REMARKS | SIGN DETAIL |                        |                   |     |
|-------------------------------------|-------------|-----------------|------------|-------------|----------------------|-----|-----------|----------|---------|----------|--------------|-----------------|----------------|-------|------|-------------------|-----|-----|-----|-------------------------|-----|-----|----------------------|-----|--------|-----------|---------------|-----|---------|-------------|------------------------|-------------------|-----|
|                                     |             | EA              | WIDTH (In) | HEIGHT (In) | "A"                  | "B" | SALV SIGN | SALV TIS | RETA IN | SALV AGE | NO. OF POSTS | FLANGED CHANNEL |                |       |      | SQUARE STEEL (In) |     |     |     | TUBULAR ALUMINUM Ø (In) |     |     | TUBULAR STEEL Ø (In) |     |        |           | W-SHAPE STEEL |     |         | REQUIRE     | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |     |
|                                     |             |                 |            |             |                      |     |           |          |         |          |              | lb/ft           |                | lb/ft |      |                   |     |     |     | FOUNDA-TION             |     |     | FTG. SIZE            |     | WEIGHT | POST SIZE |               |     |         |             |                        |                   |     |
|                                     |             |                 |            |             |                      |     |           |          |         |          |              | 1.12            | 2.0            | 3.0   | 1.75 | 2.0               | 2.5 | 3.0 | 4.0 | 4.0 MOD                 | 3.0 | 4.0 | 5.0                  | 3.0 |        |           | 3.5           | 4.0 |         |             |                        |                   | 5.0 |

| OPTION ITEMS                    |  |   |          |          |             |       |  |  |  |  |   |   |   |       |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   |        |       |
|---------------------------------|--|---|----------|----------|-------------|-------|--|--|--|--|---|---|---|-------|---|--|--|--|--|--|--|--|--|--|--|---|--------------------------------|--------------------|---|--------|-------|
| EXIT 10 RAMP A STA. 9+09.73 LT  |  | 1 | 18       | 18       | 2.25        |       |  |  |  |  | 1 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                | OMI-1              |   | E-150  |       |
| EXIT 10 RAMP A STA. 9+29.85 LT  |  | 1 | 30       | 30       | 6.25        |       |  |  |  |  | 1 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                | R5-1               |   | E-143  |       |
|                                 |  | 1 | 36       | 12       | 3.00        |       |  |  |  |  |   |   | X |       |   |  |  |  |  |  |  |  |  |  |  |   |                                | R6-IR BACK TO BACK |   | E-142  |       |
|                                 |  | 1 | 36       | 12       | 3.00        |       |  |  |  |  |   |   |   | 14    |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    | R6-IL                                     |        | E-142 |
| EXIT 10 RAMP A STA. 9+49.52 LT  |  | 1 | 30       | 30       | 6.25        |       |  |  |  |  | 1 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    | R5-1                                      |        | E-143 |
|                                 |  | 1 | 36       | 12       | 3.00        |       |  |  |  |  |   |   | X |       |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    | R6-IR BACK TO BACK                        |        | E-142 |
|                                 |  | 1 | 36       | 12       | 3.00        |       |  |  |  |  |   |   |   | 14    |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    | R6-IL                                     |        | E-142 |
| EXIT 10 RAMP A STA. 10+12.35 RT |  | 1 | 36       | 36       | 4.50<br>3.9 |       |  |  |  |  | 2 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                | R1-2               |   | E-146  |       |
| EXIT 10 RAMP A STA. 9+92.53 LT  |  | 1 | 30       | 30       | 6.25        |       |  |  |  |  | 1 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                | R5-1               |   | E-143  |       |
| STA. 538+41.31 RT               |  | 1 | 6        | 10       | 0.42        |       |  |  |  |  | 1 | X |   |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-138  |       |
| STA. 539+13.30 LT               |  | 1 | 6        | 10       | 0.42        |       |  |  |  |  | 1 | X |   |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-138  |       |
| STA. 547+00.00 LT               |  | 1 | 96       | 30       | 20.00       |       |  |  |  |  |   |   |   |       |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-131  |       |
| STA. 547+72.14 LT               |  | 1 | 132      | 66       |             | 60.50 |  |  |  |  | 2 |   |   |       |   |  |  |  |  |  |  |  |  |  |  | 2 | -372<br>17/17=<br>510lbs       | W6X12<br>15#       | LETTER ON THIS<br>BOLT TENSION 12.58 KIPS | 41     |       |
| STA. 547+72.14 LT               |  | 1 | 6        | 10       | 0.42        |       |  |  |  |  | 1 | X |   |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-138  |       |
| STA. 549+00.00 RT               |  | 1 | 30<br>24 | 45<br>12 | 3.13        |       |  |  |  |  | 2 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-136B |       |
|                                 |  | 1 | 45       | 36       | 11.25       |       |  |  |  |  |   |   |   | 16/16 |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-136B |       |
| STA. 558+66.75 RT               |  | 1 | 6        | 10       | 0.42        |       |  |  |  |  | 1 | X |   |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-138  |       |
| STA. 562+00.00 RT               |  | 1 | 36       | 48       | 12.00       |       |  |  |  |  | 2 |   | X |       | X |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-142  |       |
| STA. 564+00.00 LT               |  | 1 | 120      | 36       |             | 30.00 |  |  |  |  | 2 |   |   |       |   |  |  |  |  |  |  |  |  |  |  | 2 | X<br>13/10=<br>178.6lbs        |                    |   | 41     |       |
| STA. 566+80.69 RT               |  | 1 | 96       | 30       | 20.00       |       |  |  |  |  |   |   |   |       |   |  |  |  |  |  |  |  |  |  |  |   |                                |                    |   | E-131  |       |
|                                 |  | 1 | 96       | 108      |             | 72.00 |  |  |  |  | 2 |   |   |       |   |  |  |  |  |  |  |  |  |  |  | 2 | -517.5<br>18.5/16.5=<br>525lbs | W6X15              | BOLT TENSION 20.93 KIPS                   | 42     |       |

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

|        |  |  |        |        |     |       |        |        |        |    |     |     |     |       |    |     |     |        |        |
|--------|--|--|--------|--------|-----|-------|--------|--------|--------|----|-----|-----|-----|-------|----|-----|-----|--------|--------|
|        |  |  |        |        |     | FT    | FT     | FT     | FT     | FT | FT  | EA  | LB  | LB    | LB | LB  | EA. | EA.    | LB     |
|        |  |  |        |        |     | 32.00 | 150.00 | 32.00  | 150.00 |    |     |     | 167 | 178.6 |    |     | 4   | 4      | 889.5  |
|        |  |  |        |        |     |       |        |        |        |    |     |     |     |       |    |     |     |        | 1035.0 |
| TOTALS |  |  | SF     | SF     | EA. | SF    | FT     | FT     | EA.    | LB | EA. | EA. | LB  |       |    | EA. | EA. | LB     |        |
|        |  |  | 105.56 | 162.50 |     |       | 182.00 | 182.00 | 2      |    | 4   |     |     |       |    |     |     | 889.5  |        |
|        |  |  |        |        |     |       |        |        |        |    |     |     |     |       |    |     |     | 1035.0 |        |

|                                      |                                    |
|--------------------------------------|------------------------------------|
| <b>TRAFFIC SIGN SUMMARY SHEET 11</b> | PROJECT NAME: ESSEX                |
|                                      | PROJECT NUMBER: NH 2403 (I)S       |
|                                      | FILE NAME: pave/04b032/p04b032.dgn |
|                                      | PLOT DATE: 23-APR-2009 15:59       |
| PROJECT LEADER: EPD                  | DRAWN BY: SJB, RHB                 |
| DESIGNED BY: JDA                     | CHECKED BY: EPD                    |
| PLOT FILE: p04b032ssl1.i             | SHEET 34 OF 48                     |

# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            |             | NEW & SALVAGED SIGNS |       |           |          | EXIST POST | NO. OF POSTS | NEW SIGN POSTS |         |                 |     |       |      |                   |     |         |             |                         |     |     |                      |           |      | REMARKS | SIGN DETAIL        |           |        |         |                        |                   |        |
|-------------------------------------|-------------|-----------------|------------|-------------|----------------------|-------|-----------|----------|------------|--------------|----------------|---------|-----------------|-----|-------|------|-------------------|-----|---------|-------------|-------------------------|-----|-----|----------------------|-----------|------|---------|--------------------|-----------|--------|---------|------------------------|-------------------|--------|
|                                     |             | EA              | WIDTH (In) | HEIGHT (In) | "A"                  | "B"   | SALV SIGN | SALV TIS |            |              | RETAIN         | SALVAGE | FLANGED CHANNEL |     |       |      | SQUARE STEEL (In) |     |         |             | TUBULAR ALUMINUM Ø (In) |     |     | TUBULAR STEEL Ø (In) |           |      |         | W-SHAPE STEEL      |           |        | REQUIRE | DETAIL ON SHEET NUMBER | STD. SHEET NUMBER |        |
|                                     |             |                 |            |             |                      |       |           |          |            |              |                |         | lb/ft           |     | lb/ft |      | 3.0               | 4.0 | 4.0 MOD | FOUND-ATION | 3.0                     | 3.5 | 4.0 | 5.0                  | FTG. SIZE |      |         | WEIGHT             | POST SIZE |        |         |                        |                   |        |
|                                     |             |                 |            |             |                      |       |           |          |            |              |                |         | 1.12            | 2.0 | 3.0   | 1.88 |                   |     |         |             |                         |     |     |                      | 2.16      | 3.35 |         |                    |           | ANCHOR |         |                        |                   | SLEEVE |
| STA. 569+87.78 RT                   |             | 1               | 36         | 48          | 12.00                |       |           |          |            | 2            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      |         | R4-I               | E-141     |        |         |                        |                   |        |
| STA. 569+91.96 LT                   |             | 1               | 6          | 10          | 0.42                 |       |           |          |            | 1            | X              |         |                 | X   |       |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | E-138     |        |         |                        |                   |        |
| STA. 570+71.08 LT                   |             | 1               | 36         | 48          | 12.00                |       |           |          |            | 2            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | R4-I    | E-141              |           |        |         |                        |                   |        |
| STA. 579+98.00 LT & RT              |             | 2               | 12         | 36          | 6.00                 |       |           |          |            | 2            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | D10-2   | E-139              |           |        |         |                        |                   |        |
| STA. 582+07.56 RT                   |             | 1               | 18         | 18          | 2.25                 |       |           |          |            | 1            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | OMI-I   | E-150              |           |        |         |                        |                   |        |
| STA. 582+40.00 RT                   |             | 1               | 36         | 36          | 9.00                 |       |           |          |            | 2            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | W3-IA   | E-150              |           |        |         |                        |                   |        |
| STA. 584+00.00 RT                   |             | 2               | 36         | 24          | 12.00                |       |           |          |            | 4            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | R5-IA   | BOTH SIDES OF RAMP | E-143     |        |         |                        |                   |        |
| STA. 585+26.28 RT                   |             | 1               | 30         | 30          | 6.25                 |       |           |          |            | 1            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | RI-I    | E-143              |           |        |         |                        |                   |        |
|                                     |             | 1               | 30         | 30          | 6.25                 |       |           |          |            | 1            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | R5-I    | E-143              |           |        |         |                        |                   |        |
|                                     |             | 1               | 36         | 12          | 3.00                 |       |           |          |            | 1            |                |         |                 |     |       |      |                   |     |         |             |                         |     |     |                      |           |      | R6-IL   | E-142              |           |        |         |                        |                   |        |
|                                     |             | 1               | 36         | 12          | 3.00                 |       |           |          |            | 1            |                |         |                 |     |       |      |                   |     |         |             |                         |     |     |                      |           |      | R6-IR   | E-142              |           |        |         |                        |                   |        |
| STA. 589+01.53 LT                   |             | 1               | 120        | 36          |                      | 30.00 |           |          |            | 2            |                |         |                 |     |       |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | 42        |        |         |                        |                   |        |
| STA. 590+66.58 RT                   |             | 1               | 6          | 10          | 0.42                 |       |           |          |            | 1            | X              |         |                 | X   |       |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | E-138     |        |         |                        |                   |        |
| STA. 595+50.00 RT                   |             | 1               | 96         | 30          | 20.00                |       |           |          |            |              |                |         |                 |     |       |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | E-131     |        |         |                        |                   |        |
|                                     |             | 1               | 96         | 108         |                      | 72.00 |           |          |            | 2            |                |         |                 |     |       |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | 42        |        |         |                        |                   |        |
| STA. 601+28.88 LT                   |             | 1               | 6          | 10          | 0.42                 |       |           |          |            | 1            | X              |         |                 | X   |       |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | E-138     |        |         |                        |                   |        |
| STA. 604+99.73 LT                   |             | 1               | 36         | 48          | 12.00                |       |           |          |            | 2            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      | R2-I    | E-142              |           |        |         |                        |                   |        |
| STA. 606+17.78 RT                   |             | 1               | 36         | 36          | 9.00                 |       |           |          |            | 2            |                |         | X               |     | X     |      |                   |     |         |             |                         |     |     |                      |           |      |         |                    | 43        |        |         |                        |                   |        |

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

|               |           |           |     |    |  |           |           |           |     |      |        |          |     |     |          |        |
|---------------|-----------|-----------|-----|----|--|-----------|-----------|-----------|-----|------|--------|----------|-----|-----|----------|--------|
| <b>TOTALS</b> | SF 114.01 | SF 102.00 | EA. | SF |  | FT 280.00 | FT 270.00 | FT 280.00 | EA. | LB 2 | LB 213 | LB 205.2 | EA. | EA. | LB 517.5 | LB 765 |
|---------------|-----------|-----------|-----|----|--|-----------|-----------|-----------|-----|------|--------|----------|-----|-----|----------|--------|

**TRAFFIC SIGN SUMMARY SHEET 12**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (1)S  
FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032ssi2.i  
PLOT DATE: 23-APR-2009 15:55  
DRAWN BY: SJB, RHB  
CHECKED BY: EPD  
SHEET 35 OF 48



# TRAFFIC SIGN SUMMARY SHEET

| MILEMARKER, STATION, OR SIGN NUMBER | SIGN LEGEND | SIGN DIMENSIONS |            | NEW & SALVAGED SIGNS |      |      |           | EXISTING POST<br>RETAIN<br>SALVAGE | NO. OF POSTS | NEW SIGN POSTS |                 |     |     |                   |     |     |                         |     |         |                      |     | REMARKS | SIGN DETAIL |               |     |                                     |                                     |                            |                   |     |        |           |
|-------------------------------------|-------------|-----------------|------------|----------------------|------|------|-----------|------------------------------------|--------------|----------------|-----------------|-----|-----|-------------------|-----|-----|-------------------------|-----|---------|----------------------|-----|---------|-------------|---------------|-----|-------------------------------------|-------------------------------------|----------------------------|-------------------|-----|--------|-----------|
|                                     |             | E A             | WIDTH (In) | HEIGHT (In)          | "A"  | "B"  | SALV SIGN |                                    |              | SALV TIS       | FLANGED CHANNEL |     |     | SQUARE STEEL (In) |     |     | TUBULAR ALUMINUM Ø (In) |     |         | TUBULAR STEEL Ø (In) |     |         |             | W-SHAPE STEEL |     |                                     | SLEEVE                              | DETAIL ON SHEET NUMBER     | STD. SHEET NUMBER |     |        |           |
|                                     |             |                 |            |                      |      |      |           |                                    |              |                | 1.2             | 2.0 | 3.0 | 1.75              | 2.0 | 2.5 | 3.0                     | 4.0 | 4.0 MOD | FOUND-A-TION         | 3.0 |         | 3.5         | 4.0           | 5.0 | 24"                                 |                                     |                            |                   | 30" | WEIGHT | POST SIZE |
|                                     |             |                 |            |                      |      |      |           |                                    | OPTION ITEMS |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
| EXIT 12 RAMP D STA. 10+87.35 RT     |             | I               | 24         | 12                   | 2.00 |      |           |                                    |              | 2              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | M3-2<br>M6-1                        | E-136B<br>E-136B<br>E-136B |                   |     |        |           |
|                                     |             |                 | 30         | 24                   | 5.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 | 21         | 15                   | 2.19 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             | I               | 24         | 12                   | 2.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | M4-5<br>M1-1<br>M6-1                | E-135<br>E-135<br>E-135    |                   |     |        |           |
|                                     |             |                 | 24         | 24                   | 4.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 | 21         | 15                   | 2.19 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             | I               | 24         | 12                   | 2.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | M3-4<br>M6-2R                       | E-136B<br>E-136B<br>E-136B |                   |     |        |           |
|                                     |             |                 | 30         | 24                   | 5.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 | 21         | 15                   | 2.19 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
| EXIT 12 RAMP D STA. 13+16.59 RT     |             | I               | 18         | 18                   | 2.25 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     | OMI-1                      | E-150             |     |        |           |
| EXIT 12 RAMP D STA. 13+42.30 LT     |             | I               | 30         | 30                   | 6.25 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | R5-1<br>R6-1R BACK TO BACK<br>R6-1L | E-143<br>E-142<br>E-142    |                   |     |        |           |
|                                     |             |                 | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
| EXIT 12 RAMP D STA. 13+42.30 RT     |             | I               | 30         | 30                   | 6.25 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     | R5-1<br>R6-1R BACK TO BACK<br>R6-1L | E-143<br>E-142<br>E-142             |                            |                   |     |        |           |
|                                     |             |                 | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
| EXIT 12 RAMP D STA. 13+31.25 RT     |             | I               | 30         | 30                   | 6.25 |      |           |                                    |              | 2              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     | R5-1<br>BACK TO BACK<br>RI-2        | E-143<br>E-146<br>E-142             |                            |                   |     |        |           |
|                                     |             |                 | 36         | 36                   | 4.50 | 3.75 |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             | I               | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | R6-1L<br>BACK TO BACK<br>R6-1R      | E-142<br>E-142<br>E-142    |                   |     |        |           |
|                                     |             |                 | 36         | 12                   | 3.00 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 |            |                      |      |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
| EXIT 12 RAMP B STA. 14+47.07 LT     |             | I               | 30         | 36                   | 7.50 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | WI-8                                | E-150                      |                   |     |        |           |
| EXIT 12 RAMP B STA. 15+02.67 LT     |             | I               | 30         | 36                   | 7.50 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | WI-8                                | E-150                      |                   |     |        |           |
| EXIT 12 RAMP B STA. 14+91.32 RT     |             | I               | 30         | 30                   | 6.25 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     | R5-1<br>BACK TO BACK<br>R3-2        | E-143<br>E-143                      |                            |                   |     |        |           |
|                                     |             |                 | 30         | 30                   | 6.25 |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
|                                     |             |                 |            |                      |      |      |           |                                    |              |                |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     |                            |                   |     |        |           |
| EXIT 12 RAMP B STA. 4+52.13 RT      |             | I               | 36         | 36                   | 9.00 |      |           |                                    |              | 2              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | VR-046                              | E-142                      |                   |     |        |           |
| EXIT 12 RAMP B STA. 3+11.26 RT      |             | I               | 36         | 36                   | 4.50 | 3.75 |           |                                    |              | 2              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | RI-2                                | E-146                      |                   |     |        |           |
| EXIT 12 RAMP B STA. 1+92.30 LT      |             | I               | 6          | 10                   | 0.42 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     |                                     | E-143                      |                   |     |        |           |
| EXIT 12 RAMP B STA. 1+79.65 LT      |             | I               | 18         | 18                   | 2.25 |      |           |                                    |              | 1              |                 |     |     |                   |     |     |                         |     |         |                      |     |         |             |               |     |                                     | OMI-1                               | E-150                      |                   |     |        |           |

|              |        |        |      |        |    |    |     |       |    |            |    |     |
|--------------|--------|--------|------|--------|----|----|-----|-------|----|------------|----|-----|
| FT           | FT     | FT     | FT   | FT     | FT | EA | LB  | LB    | LB | LB         | LB | LB  |
| 8.00         |        | 180.00 | 8.00 | 180.00 |    |    |     |       |    |            |    | 228 |
| 15.00 (MOD.) |        |        |      |        |    |    |     |       |    | EA. EA. LB |    |     |
| TOTALS       | SF     | SF     | EA.  | SF     |    |    | EA. | LB    |    |            |    |     |
|              | 113.74 |        |      |        |    |    | 2   | 228   |    |            |    |     |
|              |        |        |      |        |    |    |     | 207.1 |    |            |    |     |

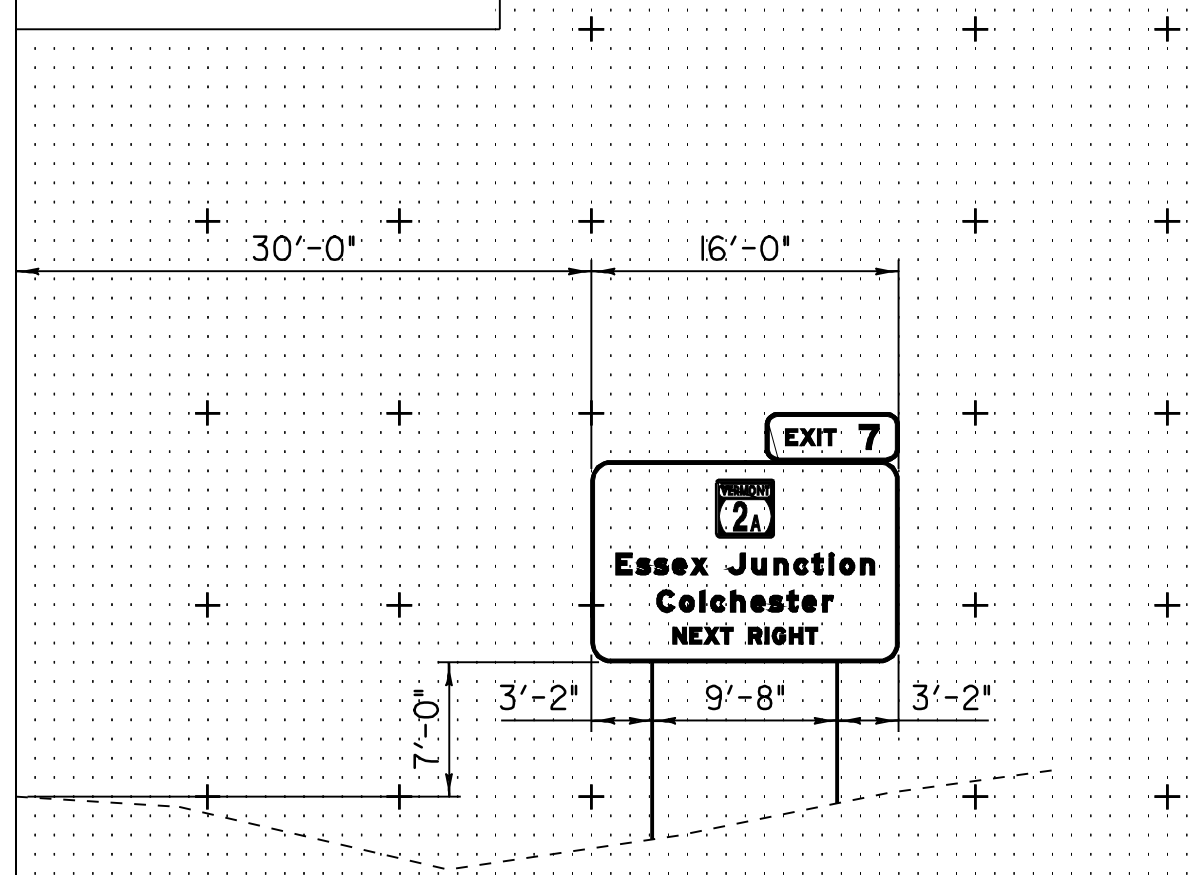
|                                      |                                    |                              |
|--------------------------------------|------------------------------------|------------------------------|
| <b>TRAFFIC SIGN SUMMARY SHEET 14</b> | PROJECT NAME: ESSEX                |                              |
|                                      | PROJECT NUMBER: NH 2403 (1)S       |                              |
|                                      | FILE NAME: pave/04b032/p04b032.dgn | PLOT DATE: 23-APR-2009 15:59 |
|                                      | PROJECT LEADER: EPD                | DRAWN BY: SJB, RHB           |
|                                      | DESIGNED BY: JDA                   | CHECKED BY: EPD              |
| PLOT FILE: p04b032ssl4.1             | SHEET 37 OF 48                     |                              |

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



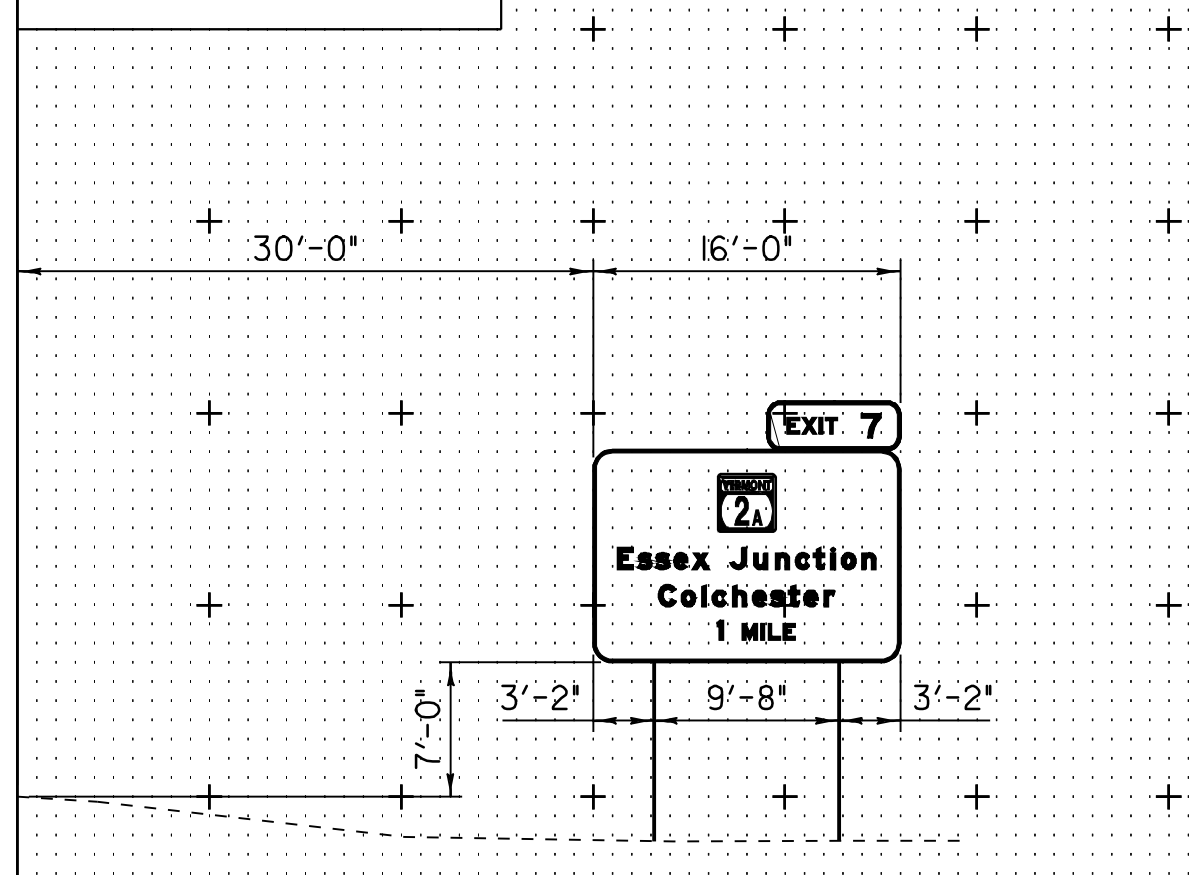
**STA. 436+03.84**  
LT POST LENGTH 19'-6"  
RT POST LENGTH 17'-6"

EDGELINE



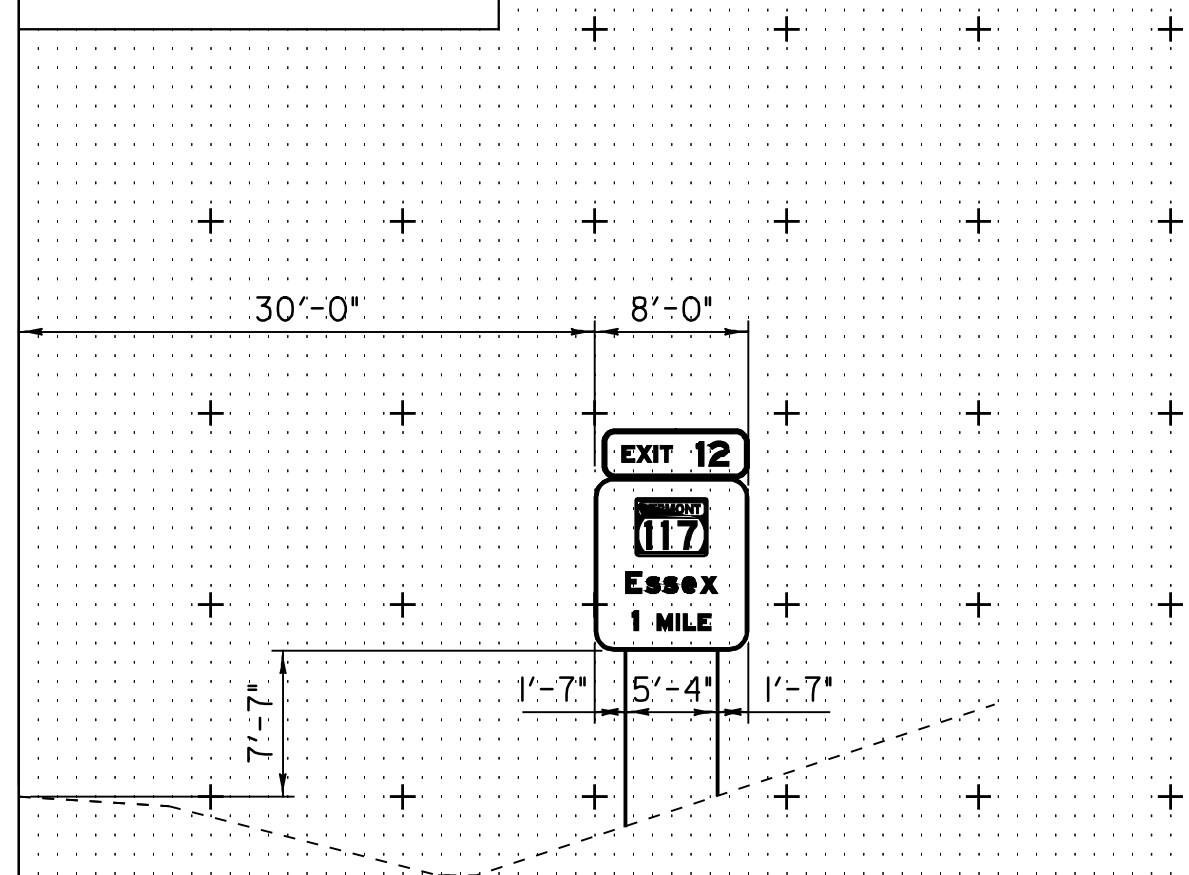
**STA. 481+93.67**  
LT POST LENGTH 20'-6"  
RT POST LENGTH 20'-6"

EDGELINE



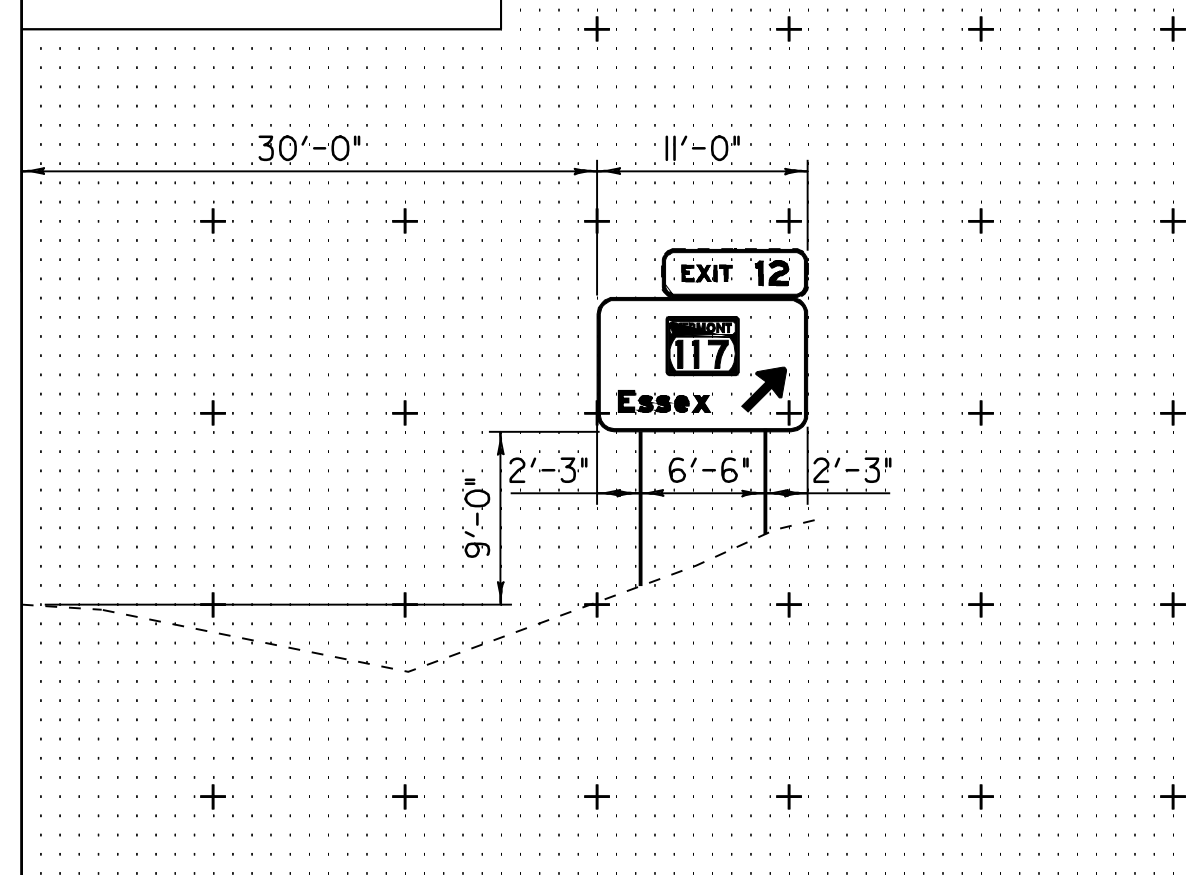
**STA. 566+80.69**  
LT POST LENGTH 18'-0"  
RT POST LENGTH 16'-6"

EDGELINE



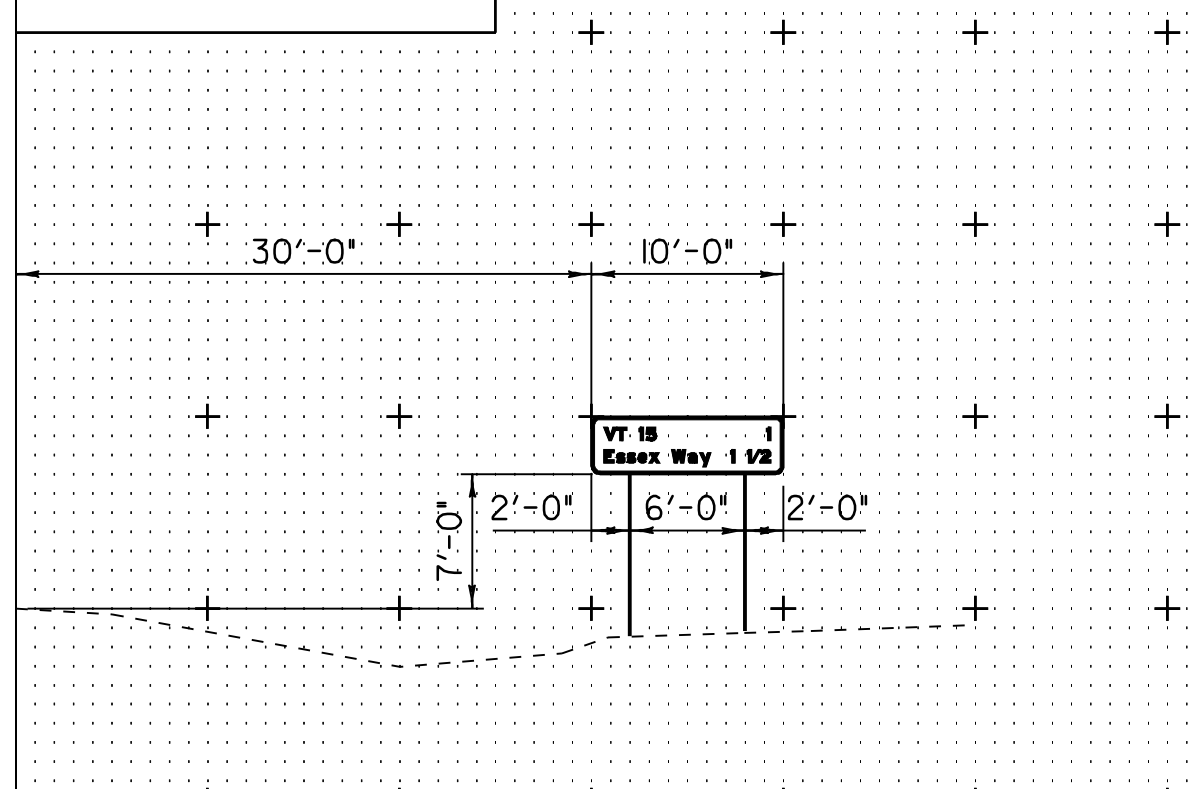
**STA. 618+02.23**  
LT POST LENGTH 15'-6"  
RT POST LENGTH 12'-6"

EDGELINE



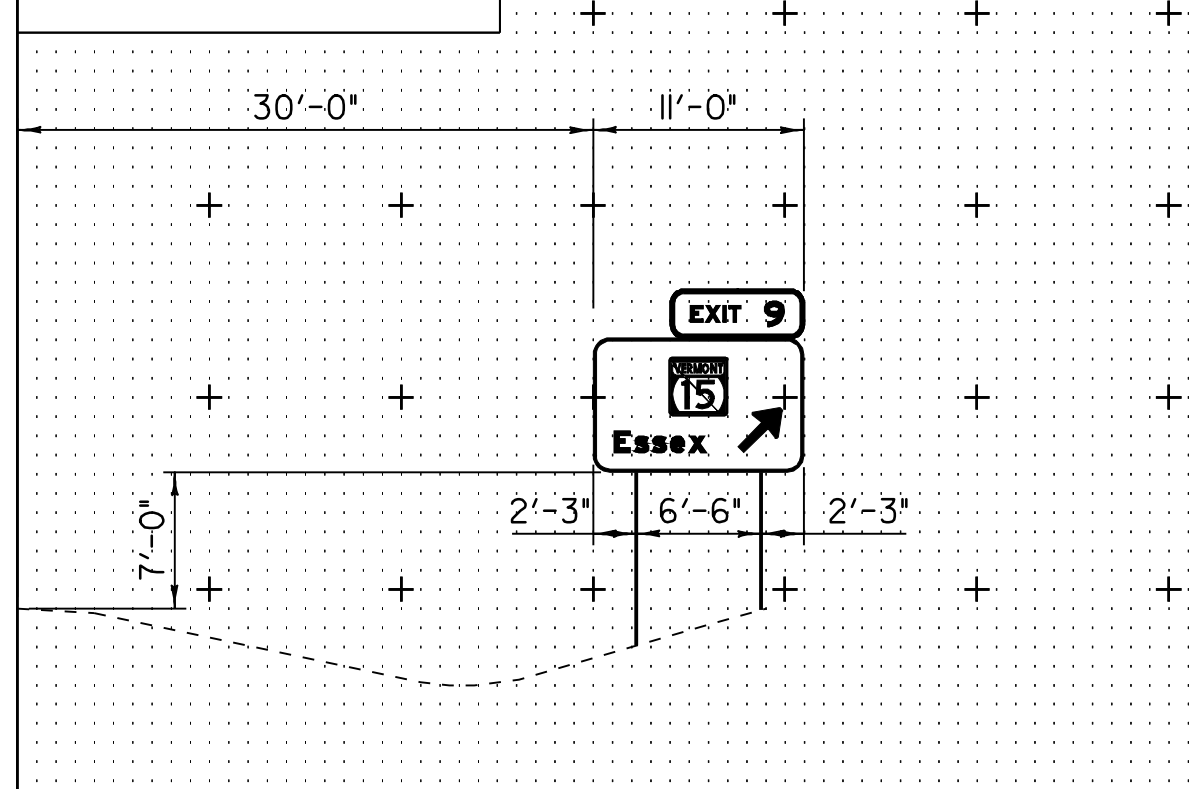
**STA. 437+07.43**  
LT POST LENGTH 11'-6"  
RT POST LENGTH 11'-0"

EDGELINE



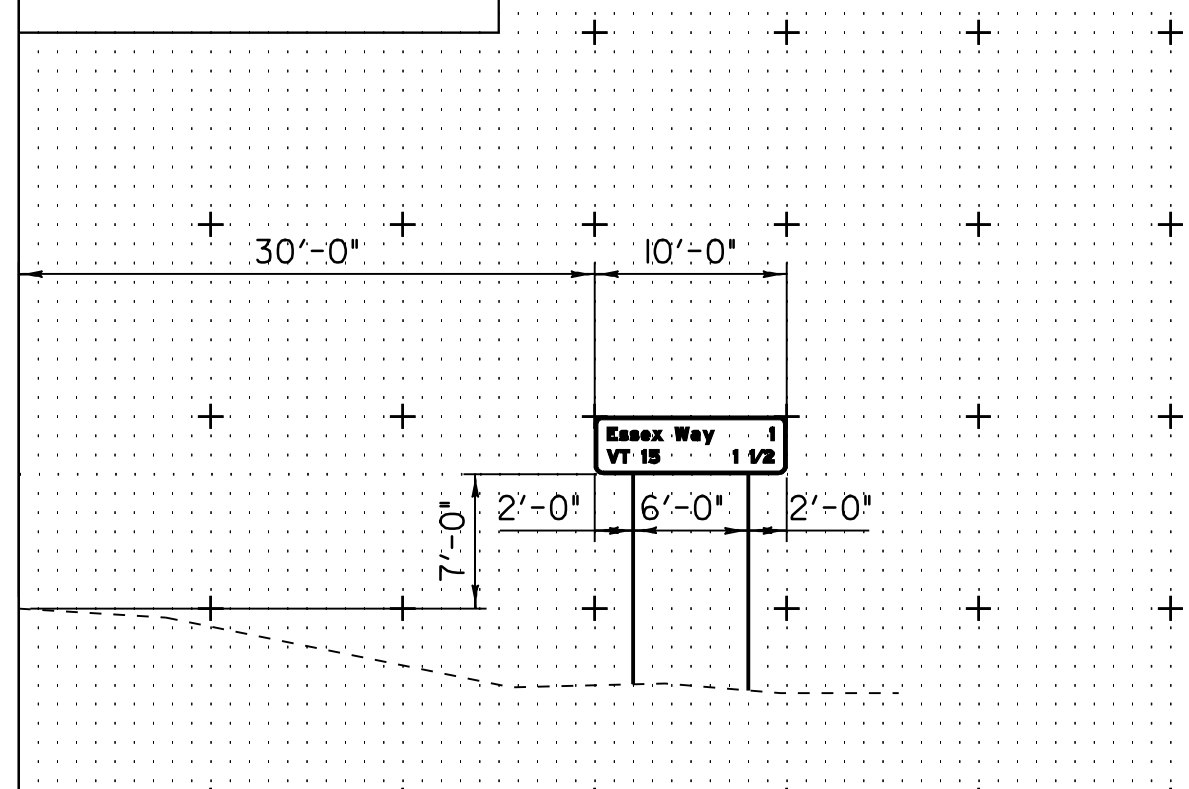
**STA. 485+81.39**  
LT POST LENGTH 16'-6"  
RT POST LENGTH 14'-6"

EDGELINE



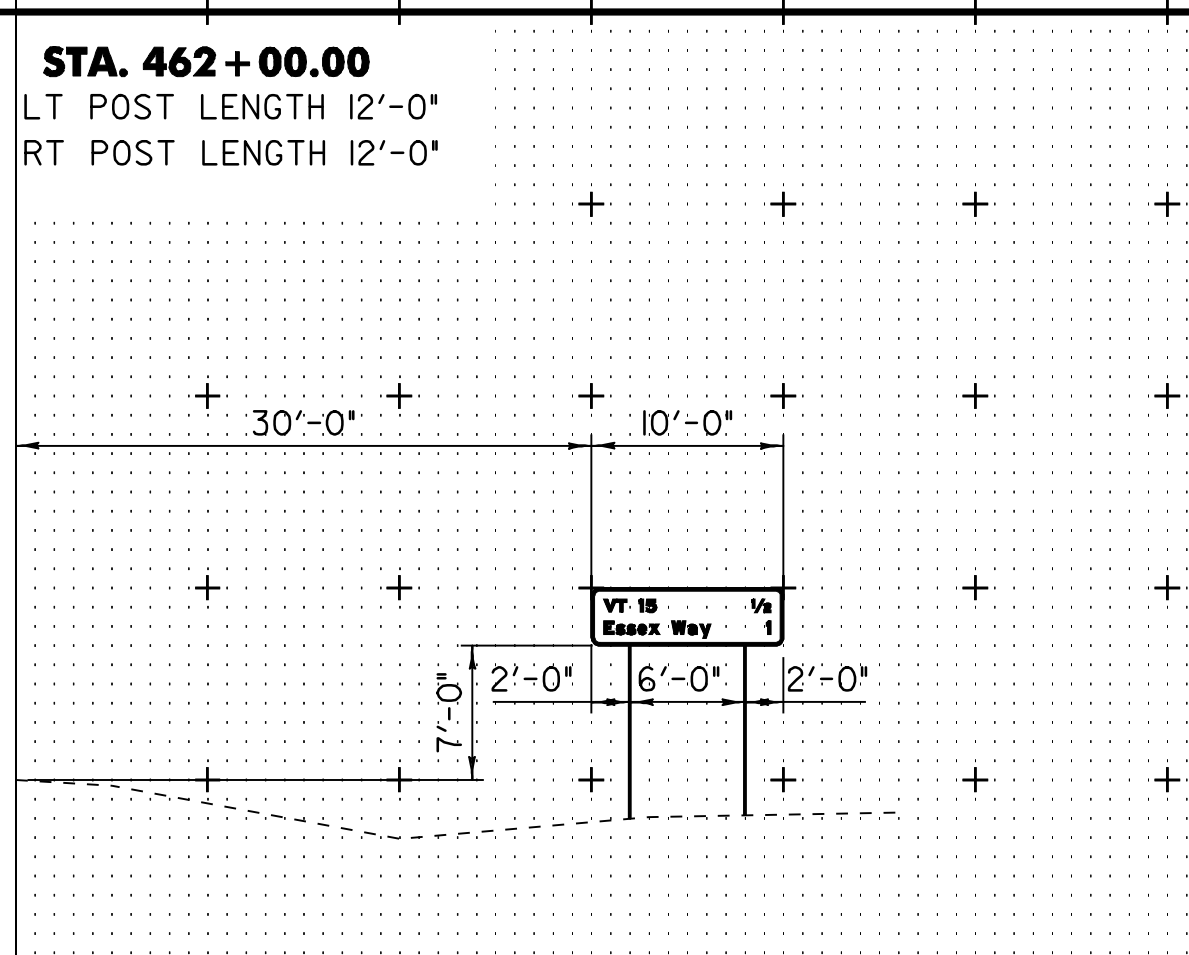
**STA. 589+01.53**  
LT POST LENGTH 14'-0"  
RT POST LENGTH 14'-0"

EDGELINE



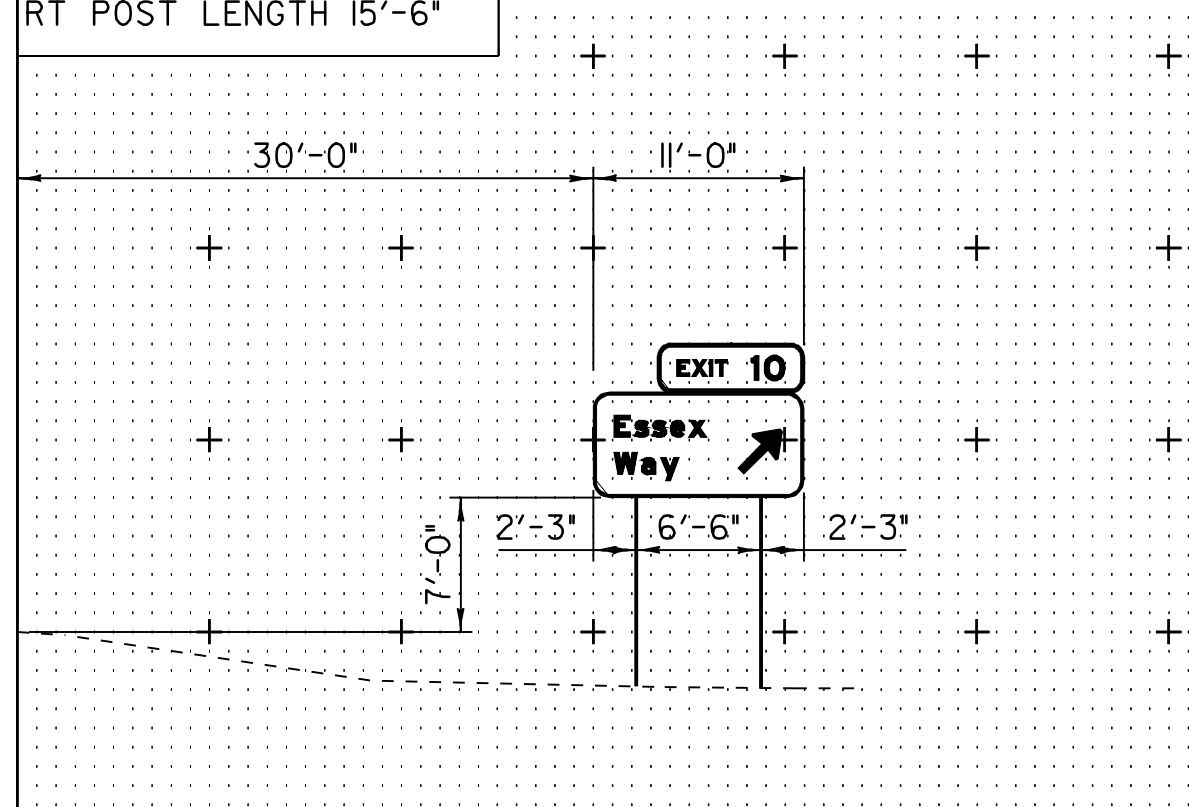
**STA. 462+00.00**  
LT POST LENGTH 12'-0"  
RT POST LENGTH 12'-0"

EDGELINE



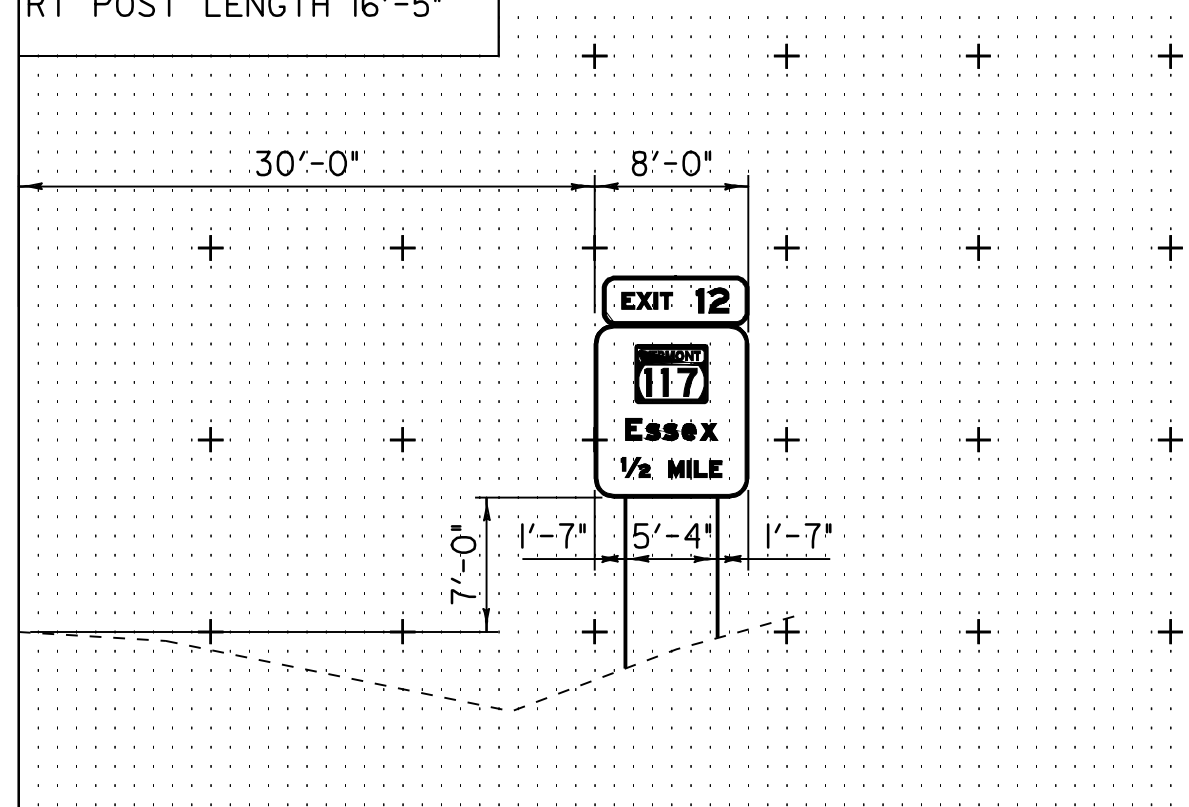
**STA. 547+00.00**  
LT POST LENGTH 15'-6"  
RT POST LENGTH 15'-6"

EDGELINE



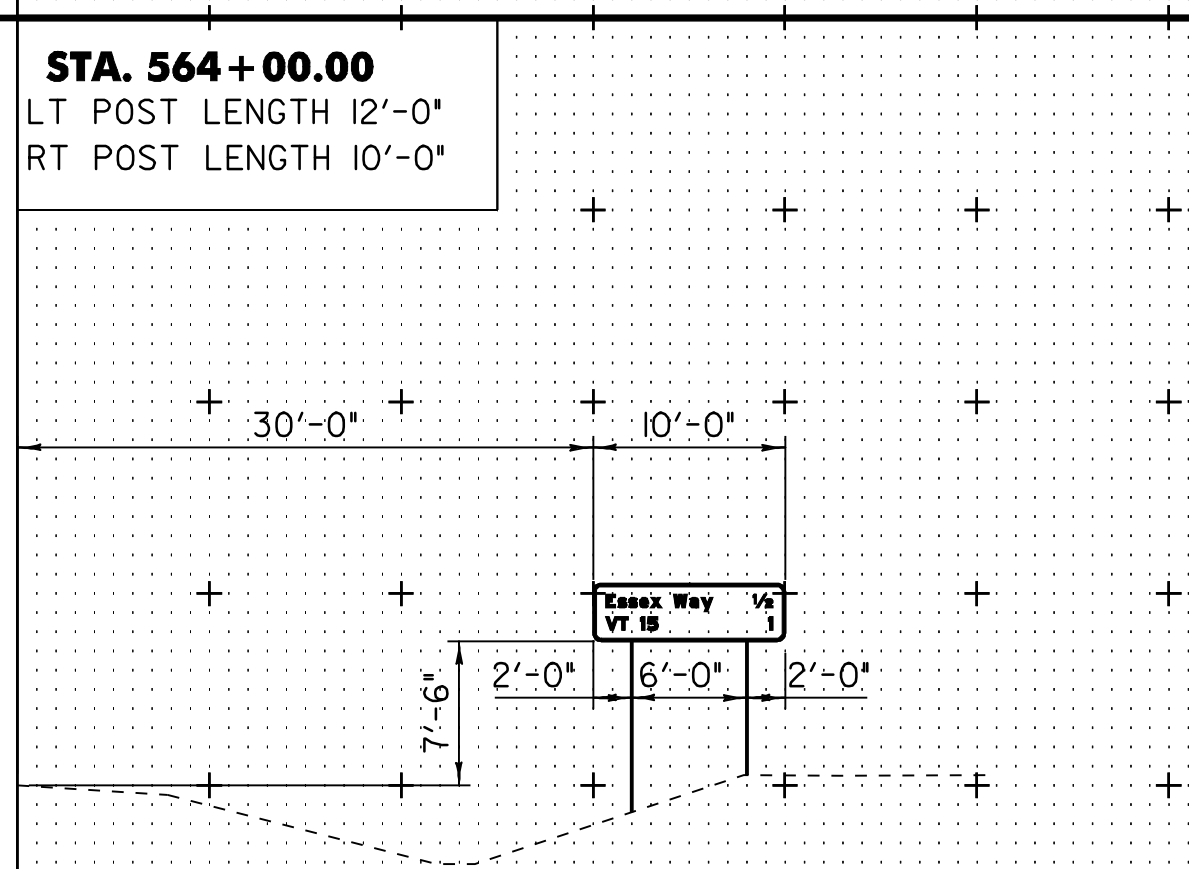
**STA. 595+50.00**  
LT POST LENGTH 18'-0"  
RT POST LENGTH 16'-5"

EDGELINE



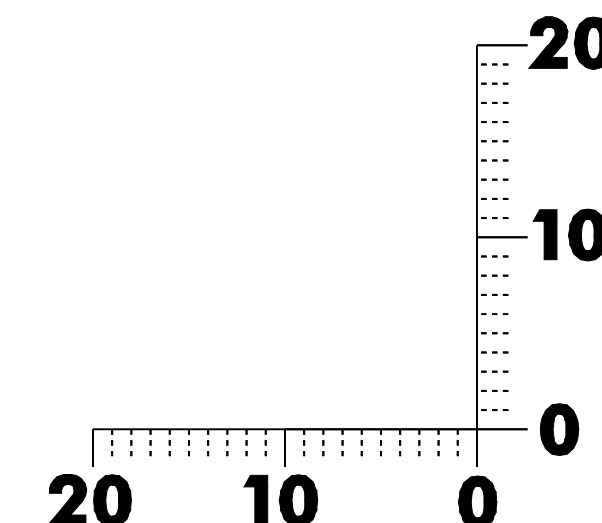
**STA. 564+00.00**  
LT POST LENGTH 12'-0"  
RT POST LENGTH 10'-0"

EDGELINE



NOTE:  
SIGNS MOUNTED ON BRIDGES AND  
CANTILEVER FRAMES NOT SHOWN.

SCALE 1" = 20'



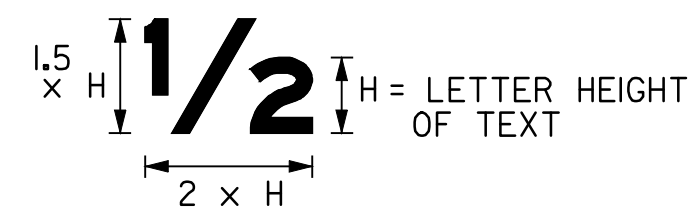
**SIGN  
CROSS SECTIONS**

PROJECT NAME: ESSEX  
PROJECT NUMBER: NH 2403 (I)S  
FILE NAME: pave/04b032/p04b032.dgn  
PROJECT LEADER: EPD  
DESIGNED BY: JDA  
PLOT FILE: p04b032sxs.1  
PLOT DATE: 23-APR-2009 15:5  
DRAWN BY: SJB  
CHECKED BY: EPD  
SHEET 39 OF 48

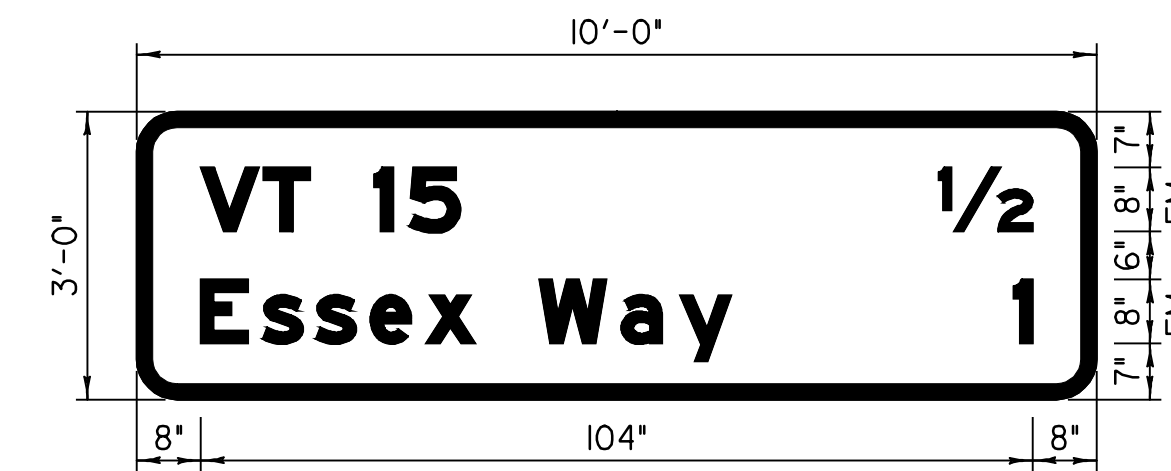


BORDER  
 R=12"  
 W=2"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 436+03.84 LT

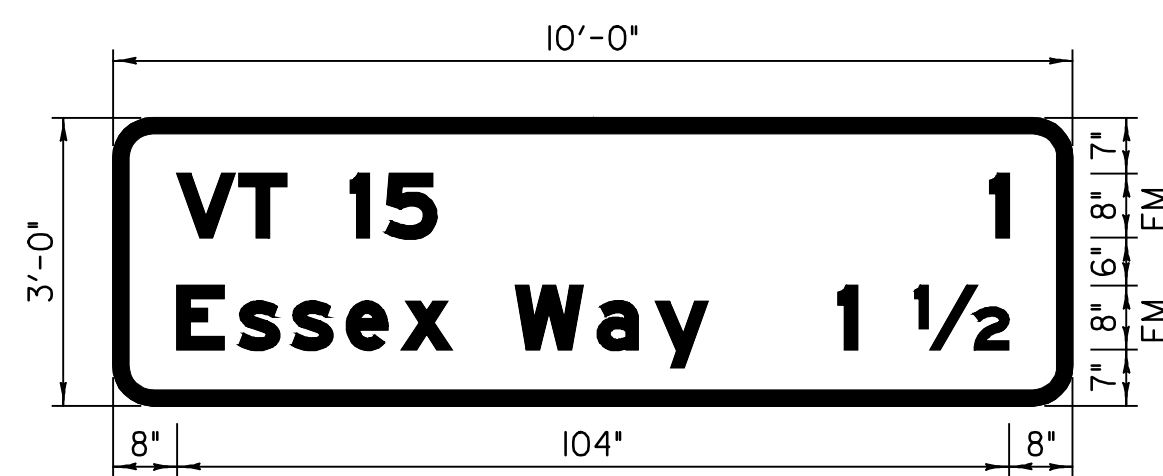


FRACTION DETAIL



BORDER  
 R=8"  
 W=1.75"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 462+00.00 RT



BORDER  
 R=8"  
 W=1.75"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 437+07.43 RT

**NOTES:**

1. ALL SIGNS SHALL MEET THE CURRENT MUTCD STANDARDS AND BE FABRICATED WITH A MINIMUM OF ASTM TYPE III SHEETING.
2. GROUND-MOUNTED TYPE B SIGNS SHALL BE CONSTRUCTED WITH A MINIMUM OF TYPE III GREEN BACKGROUND SHEETING WITH TYPE IX WHITE TEXT AND BORDER. ALL TYPE B OVERHEAD SIGNS SHALL BE FABRICATED WITH TYPE IX GREEN BACKGROUND SHEETING WITH TYPE IX WHITE TEXT BORDER.
3. ANY NEW SIGN INSTALLATIONS MUST NOT INTERFERE OR OBSTRUCT EXISTING TRAFFIC CONTROL DEVICES AND SHALL BE SPACED ACCORDING TO THE MUTCD 2003 AND/OR VERMONT STANDARDS.

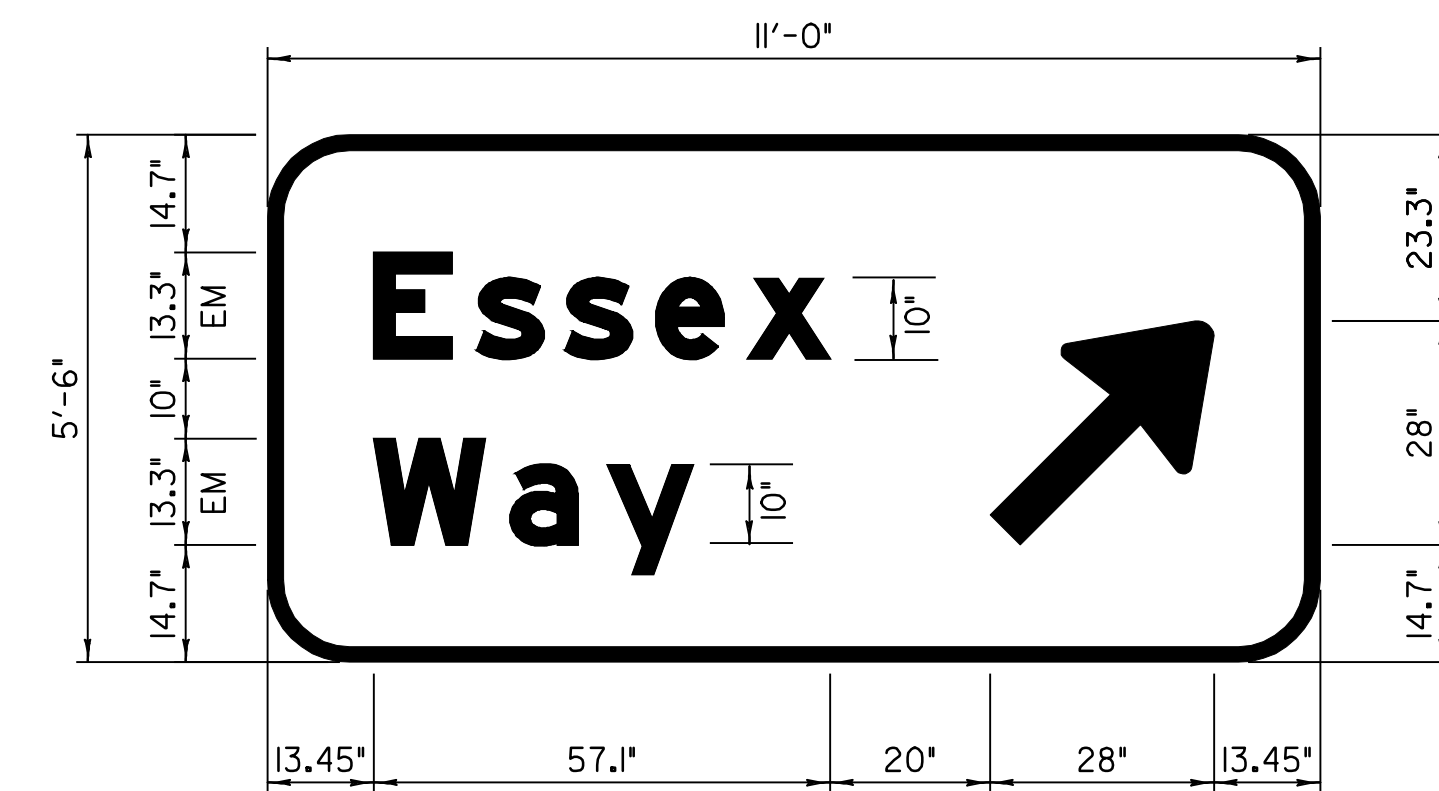
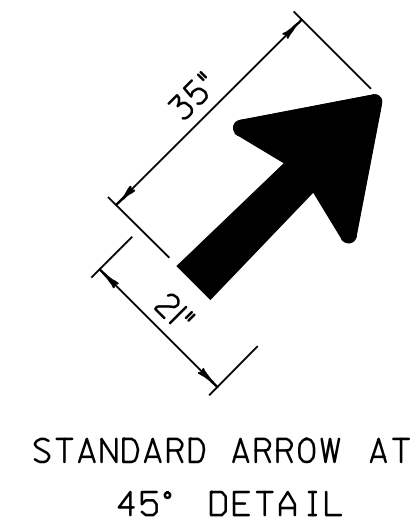
TEXT LAYOUT DIMENSIONS ARE BASED ON THE 'LETTER & NUMERAL WIDTHS AND SPACE' TABLES FOUND IN THE 'STANDARD HIGHWAY SIGNS' BOOKLET. MINOR VARIATIONS IN THE TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES WHICH AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF VTRANS PRIOR TO FABRICATION.

|                                       |                                    |                             |
|---------------------------------------|------------------------------------|-----------------------------|
| <b>TYPE B SIGN<br/>DETAIL SHEET 1</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                                       | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                                       | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                                       | DESIGNED BY: JDA                   | SHEET 40 OF 48              |
|                                       | PLOT FILE: p04b032sdl.t            |                             |



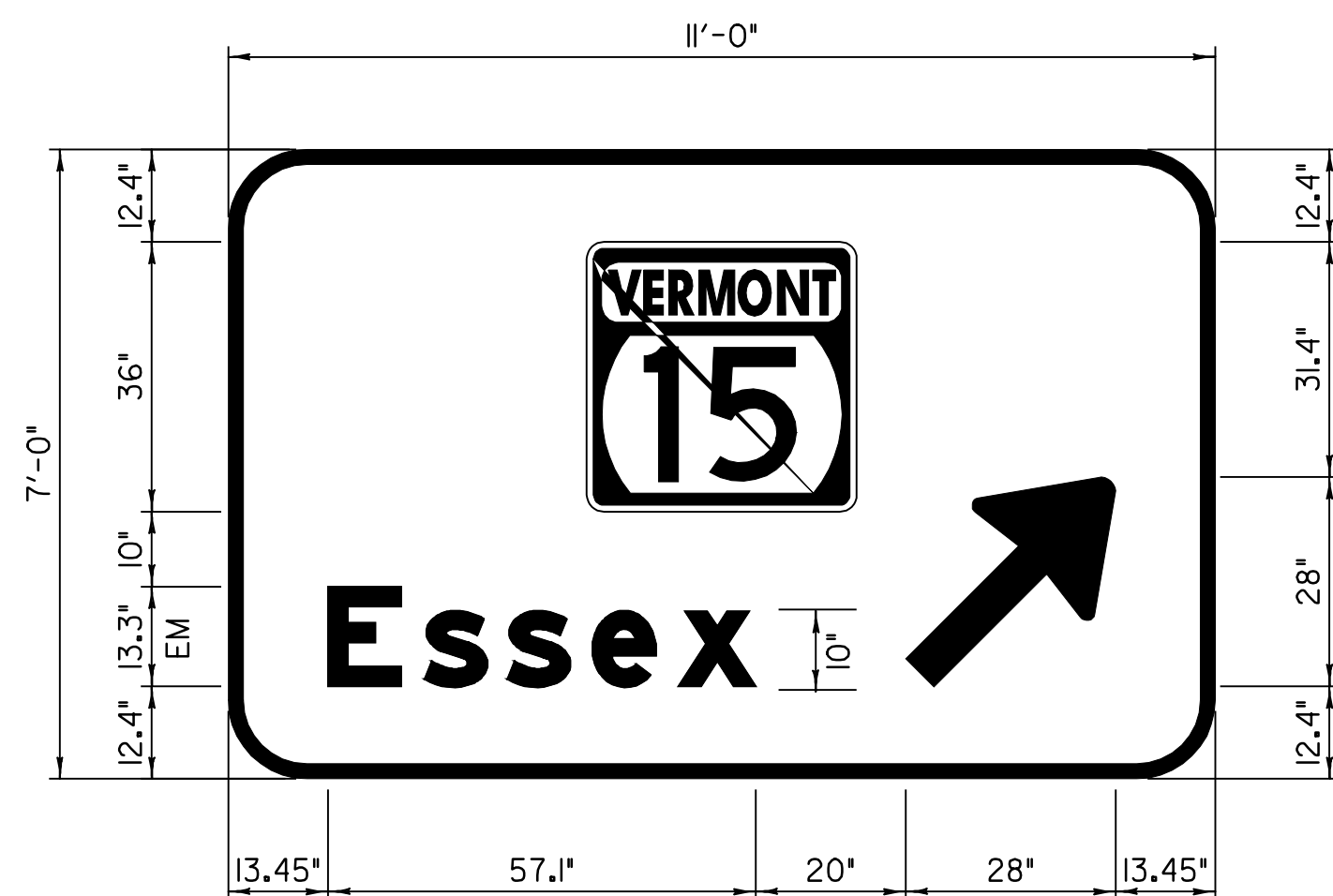
BORDER  
 R=12"  
 W=2"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 481+93.67 LT



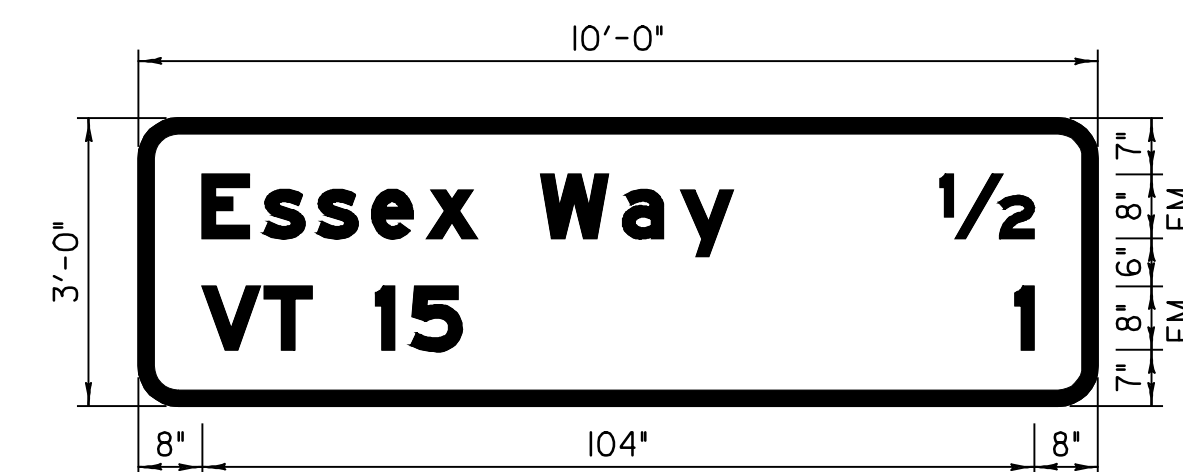
BORDER  
 R=8.25"  
 W=2"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 518+73.72 RT  
 STA. 547+00.00 LT



BORDER  
 R=10.5"  
 W=2"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 485+81.39 RT  
 STA. 511+73.95 LT

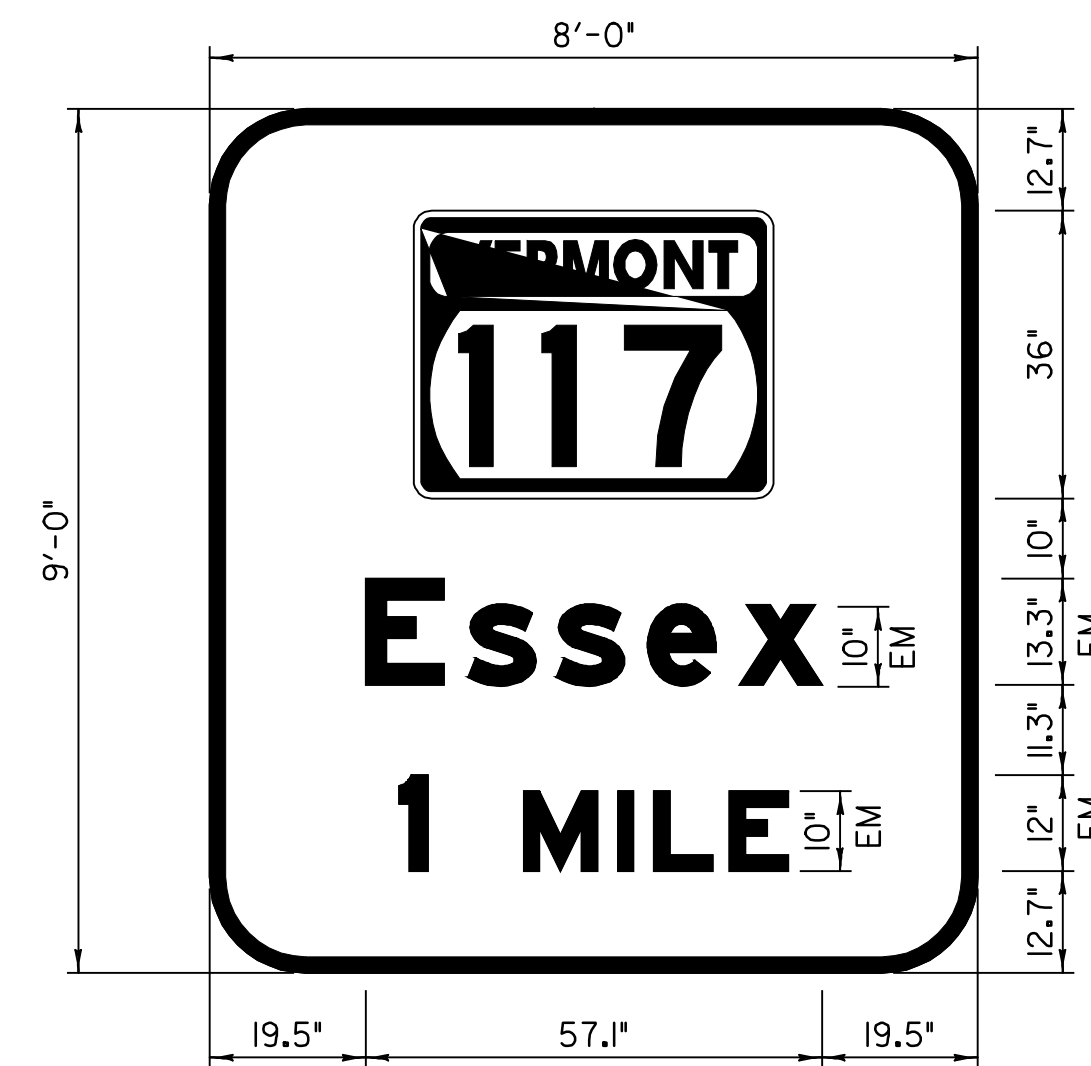


BORDER  
 R=8"  
 W=1.75"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT  
 AND BORDER ON A REFLECTORIZED GREEN BACKGROUND.

STA. 564+00.00 LT

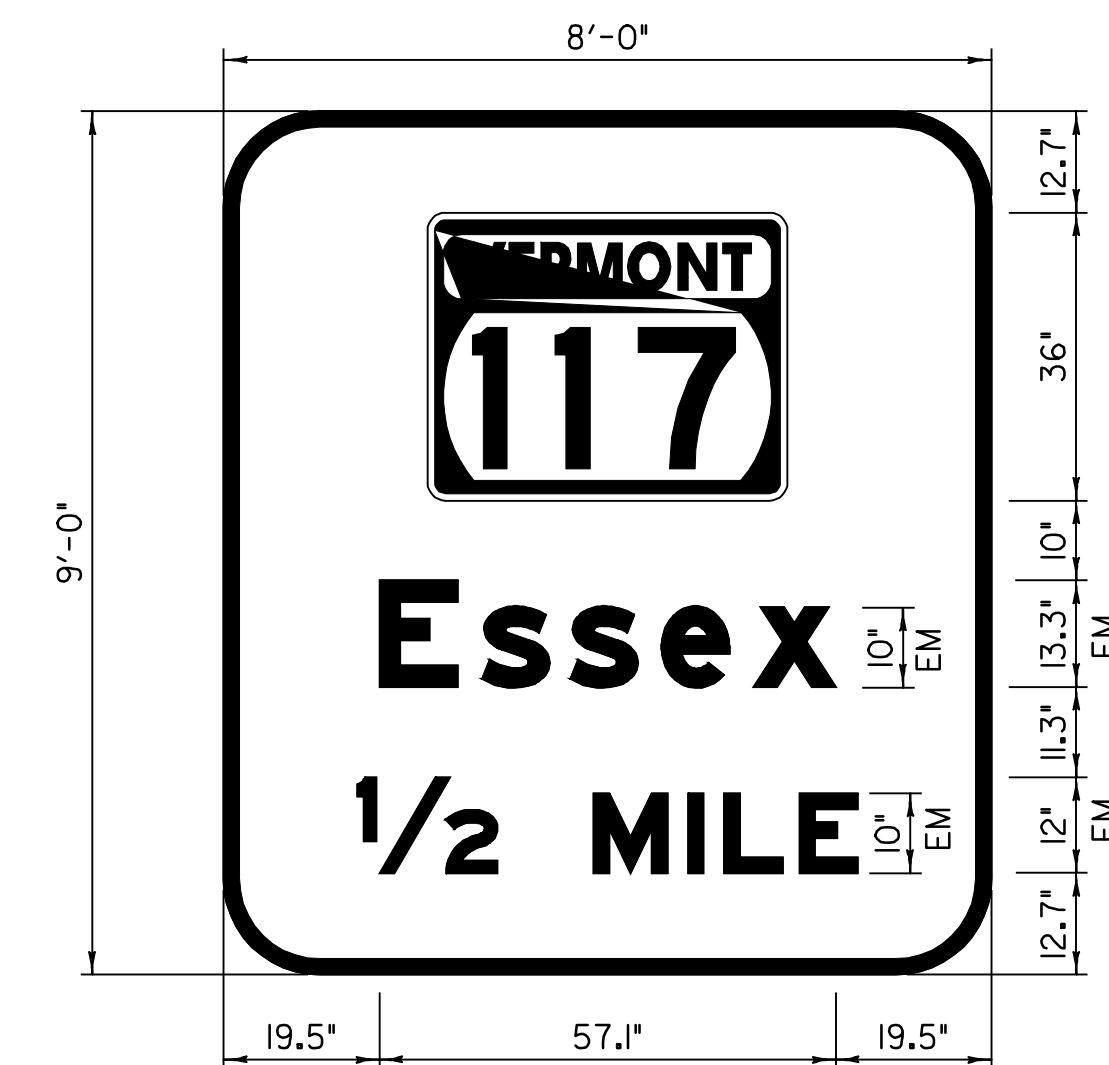
TEXT LAYOUT DIMENSIONS ARE BASED ON THE "LETTER & NUMERAL WIDTHS AND SPACE" TABLES FOUND IN THE "STANDARD HIGHWAY SIGNS" BOOKLET. MINOR VARIATIONS IN THE TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES WHICH AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF VTRANS PRIOR TO FABRICATION.

|                       |                                    |                             |
|-----------------------|------------------------------------|-----------------------------|
| <b>TYPE B SIGN</b>    | PROJECT NAME: ESSEX                |                             |
|                       | PROJECT NUMBER: NH 2403 (1)S       |                             |
| <b>DETAIL SHEET 2</b> | FILE NAME: pave/04b032/p04b032.dgn | PLOT DATE: 23-APR-2009 15:5 |
|                       | PROJECT LEADER: EPD                | DRAWN BY: SJB, RHB          |
|                       | DESIGNED BY: JDA                   | CHECKED BY: EPD             |
|                       | PLOT FILE: p04b032sd2.1            | SHEET 41 OF 48              |



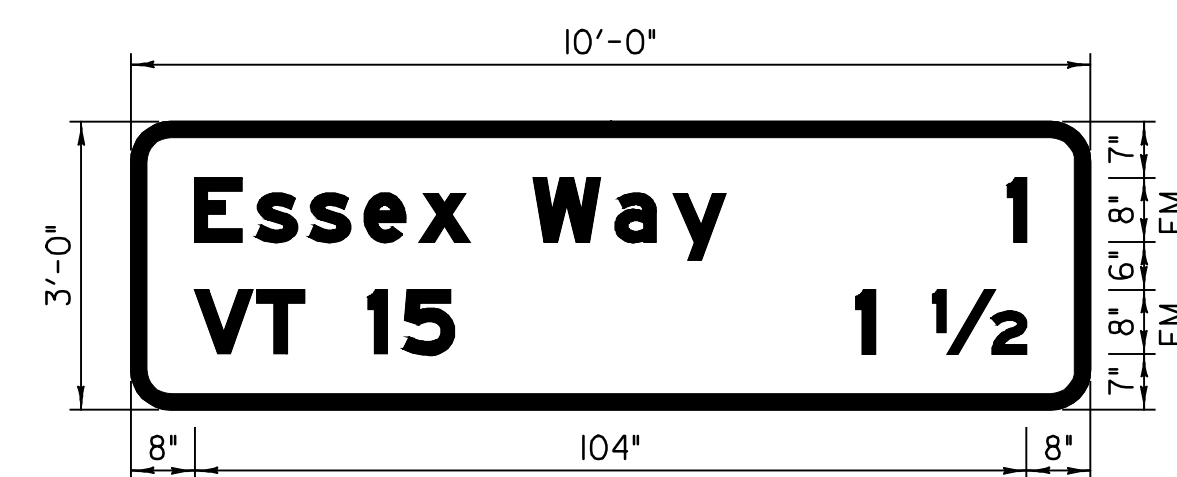
BORDER  
 R=12"  
 W=2"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT AND BORDER ON A REFLECTORIZED GREEN BACKGROUND. SIGN SHALL BE FABRICATED ON GREEN ASTM TYPE III SHEETING WITH ASTM TYPE IX LETTERS AND NUMERALS.

STA. 566+80.69 RT



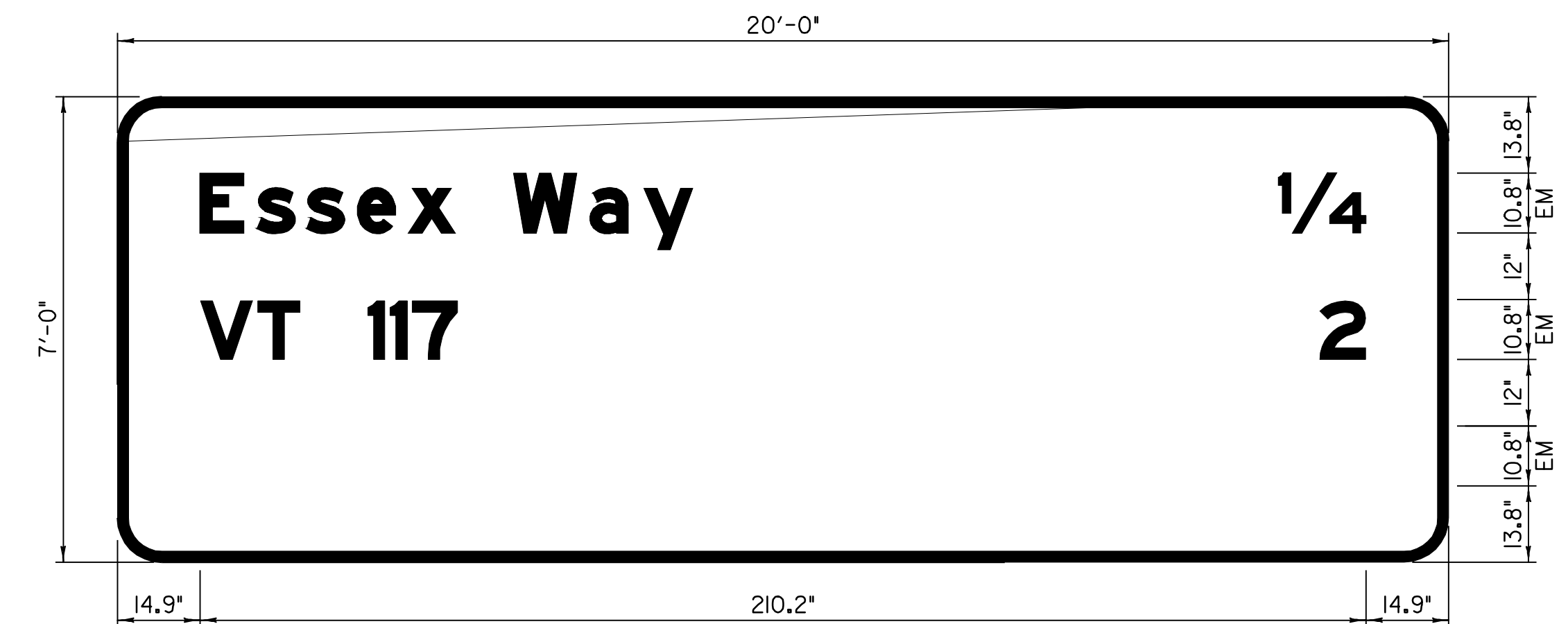
BORDER  
 R=12"  
 W=2"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT AND BORDER ON A REFLECTORIZED GREEN BACKGROUND. SIGN SHALL BE FABRICATED ON GREEN ASTM TYPE III SHEETING WITH ASTM TYPE IX LETTERS AND NUMERALS.

STA. 595+50.00 RT



BORDER  
 R=8"  
 W=1.75"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT AND BORDER ON A REFLECTORIZED GREEN BACKGROUND. SIGN SHALL BE FABRICATED ON GREEN ASTM TYPE III SHEETING WITH ASTM TYPE IX LETTERS AND NUMERALS.

STA. 589+01.53 LT

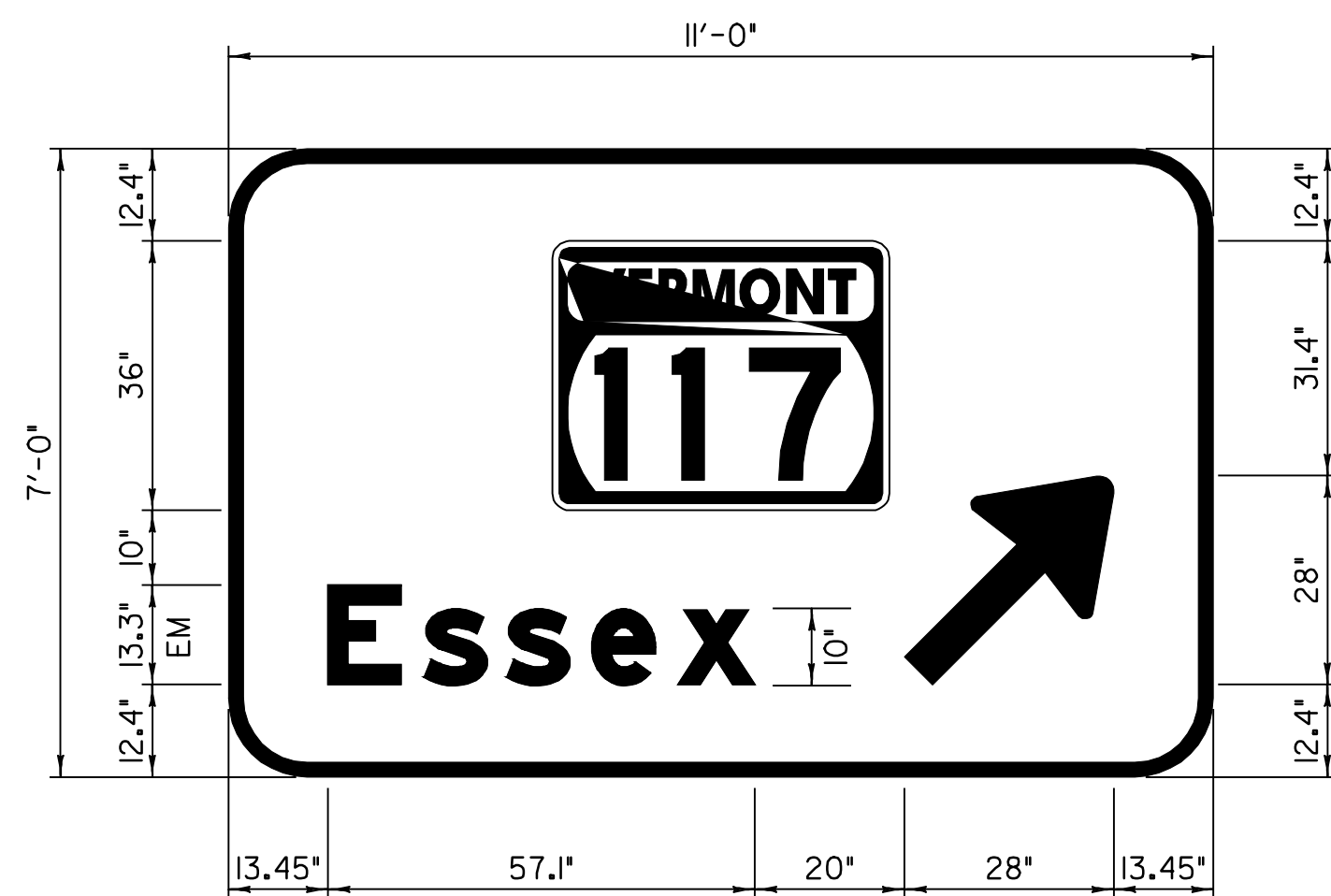


BORDER  
 R=8"  
 W=1.75"  
 COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT AND BORDER ON A REFLECTORIZED GREEN BACKGROUND. SIGN SHALL BE FABRICATED ON GREEN ASTM TYPE III SHEETING WITH ASTM TYPE IX LETTERS AND NUMERALS.

MOUNTED ON EXIT 9 BRIDGE STA. 501+00.00

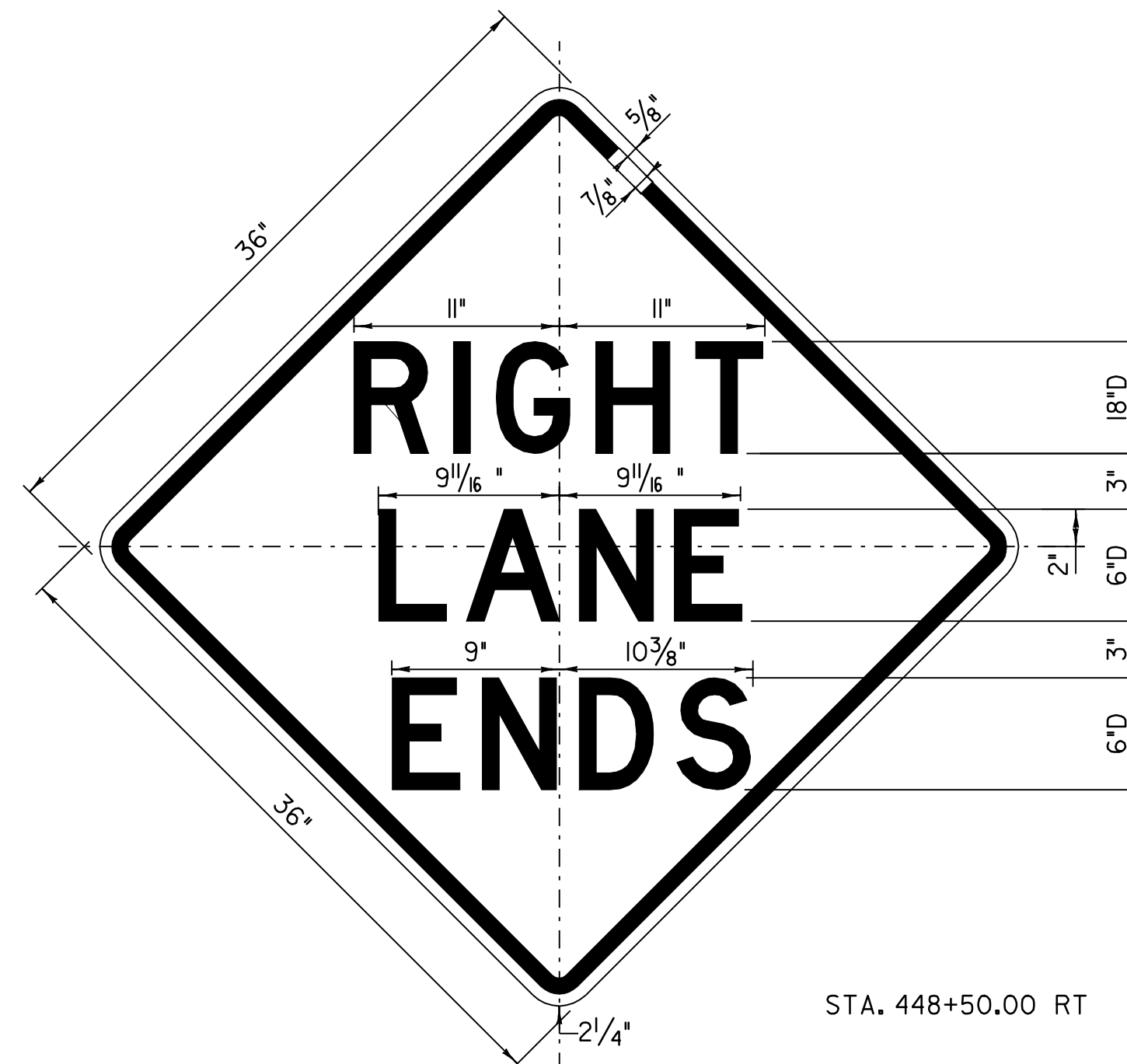
TEXT LAYOUT DIMENSIONS ARE BASED ON THE 'LETTER & NUMERAL WIDTHS AND SPACE' TABLES FOUND IN THE 'STANDARD HIGHWAY SIGNS' BOOKLET. MINOR VARIATIONS IN THE TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES WHICH AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF VTRANS PRIOR TO FABRICATION.

|                       |                                    |                             |
|-----------------------|------------------------------------|-----------------------------|
| <b>TYPE B SIGN</b>    | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                       | PROJECT NUMBER: NH 2403 (1)S       |                             |
| <b>DETAIL SHEET 3</b> | FILE NAME: pave/04b032/p04b032.dgn | DRAWN BY: SJB, RHB          |
|                       | PROJECT LEADER: EPD                | CHECKED BY: EPD             |
|                       | DESIGNED BY: JDA                   | SHEET 42 OF 48              |
|                       | PLOT FILE: p04b032sd3.l            |                             |

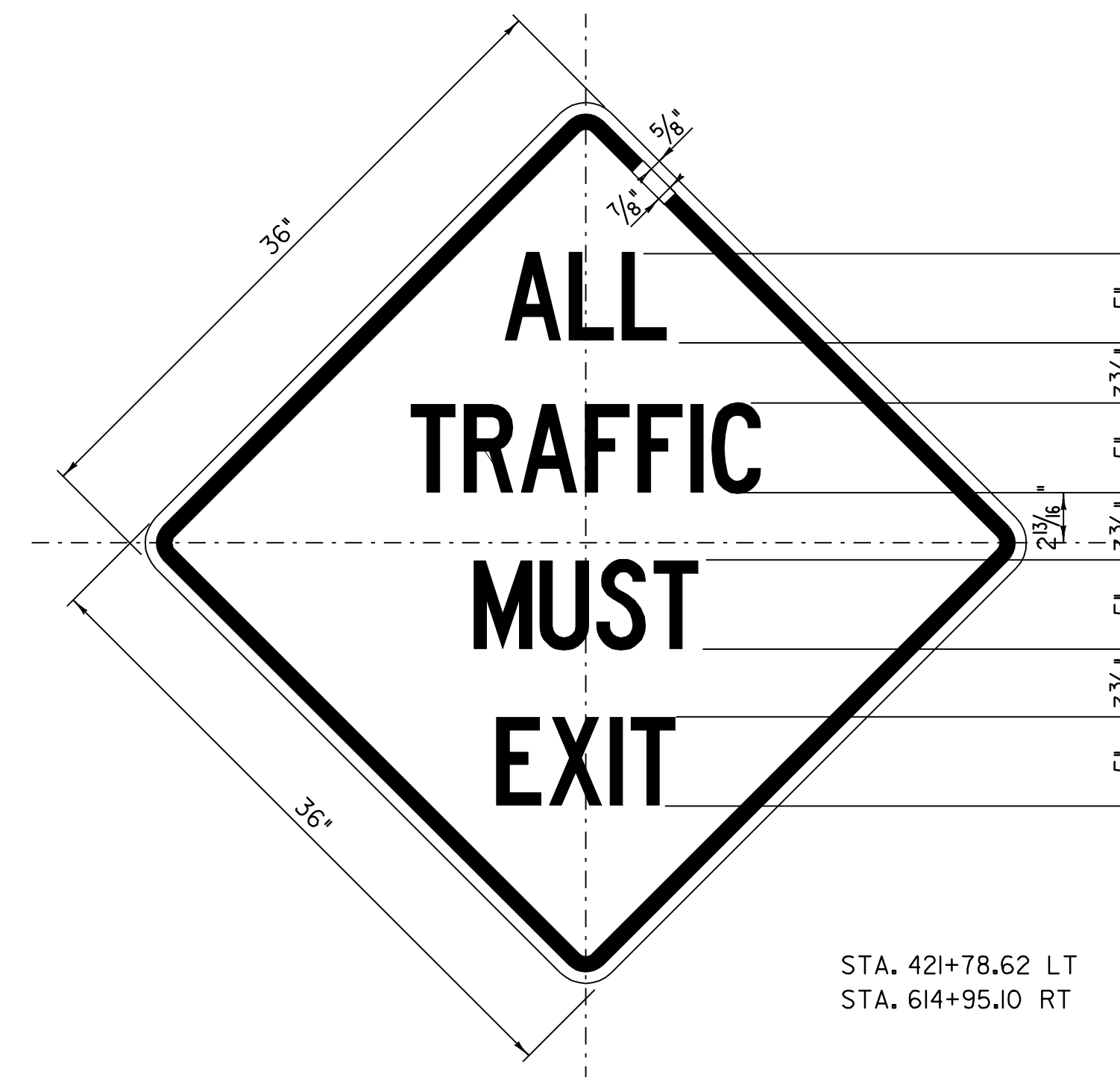


BORDER  
R=10.5"  
W=2"  
STA. 618+02.23 RT

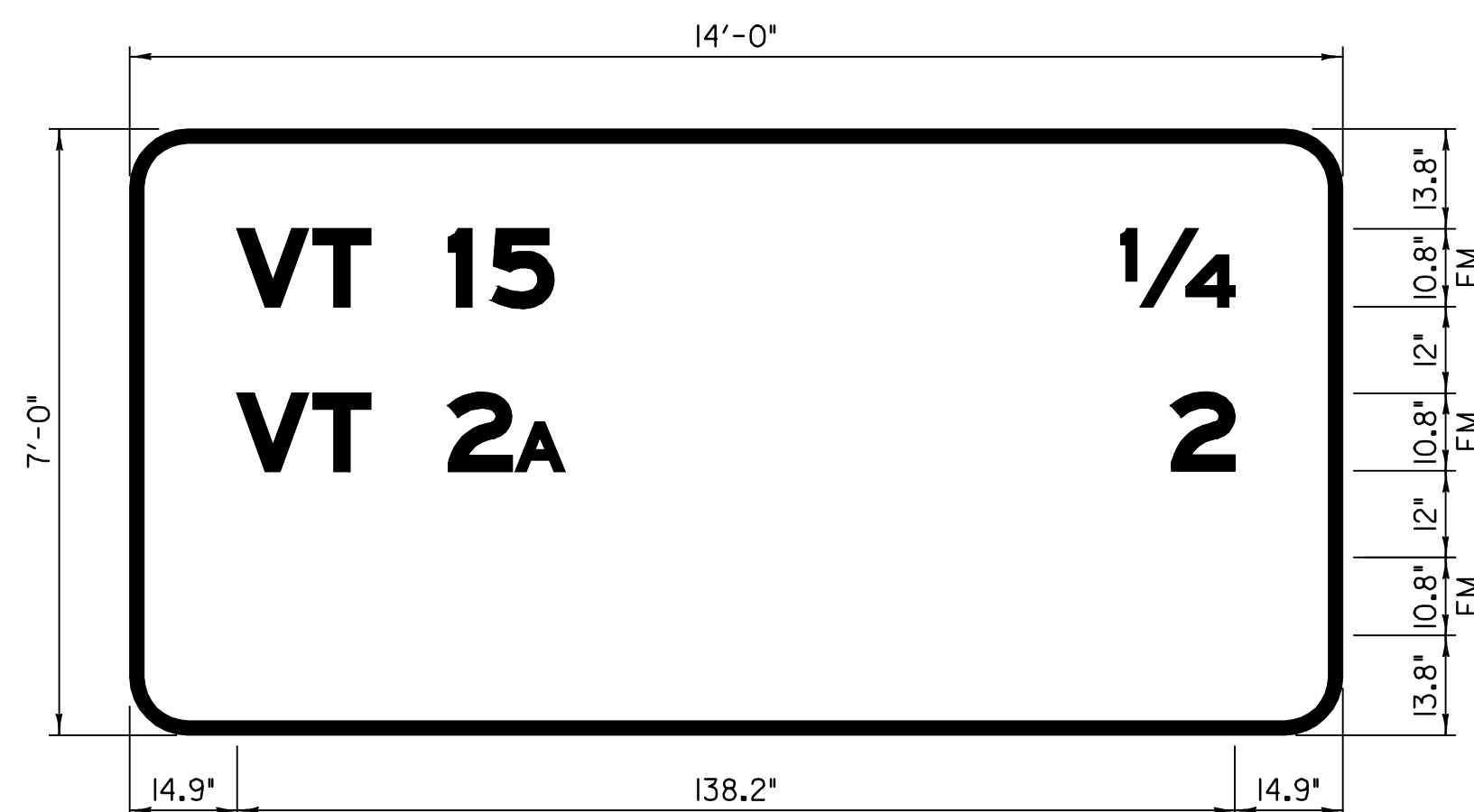
COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT AND BORDER ON A REFLECTORIZED GREEN BACKGROUND. SIGN SHALL BE FABRICATED ON GREEN ASTM TYPE III SHEETING WITH ASTM TYPE IX LETTERS AND NUMERALS.



COLORS: THE SIGN SHALL HAVE BLACK TEXT AND BORDER ON A REFLECTORIZED YELLOW BACKGROUND.

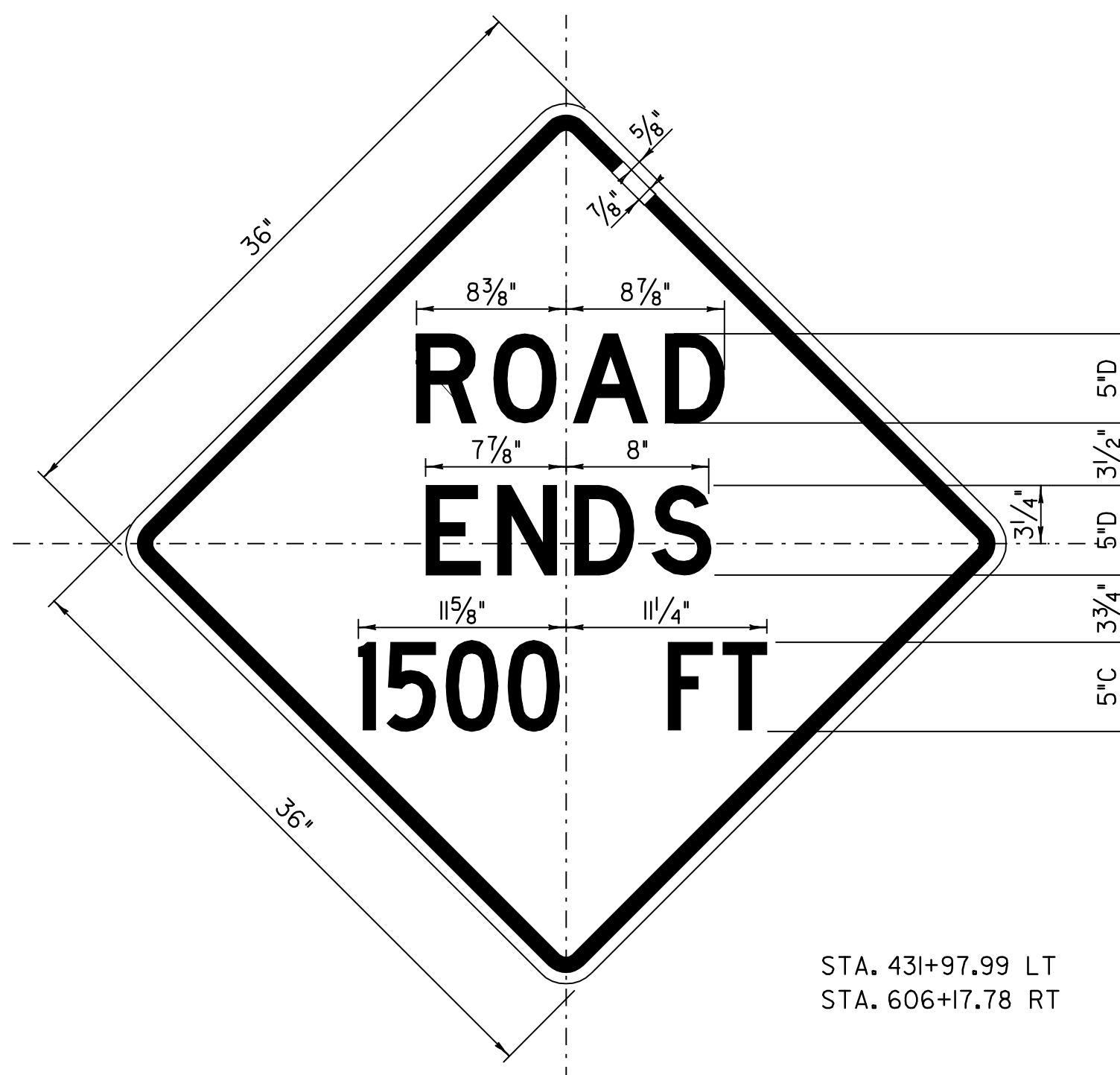


COLORS: THE SIGN SHALL HAVE BLACK TEXT AND BORDER ON A REFLECTORIZED YELLOW BACKGROUND.



BORDER  
R=8"  
W=1.75"  
MOUNTED ON EXIT 10 BRIDGE STA. 527+90.00

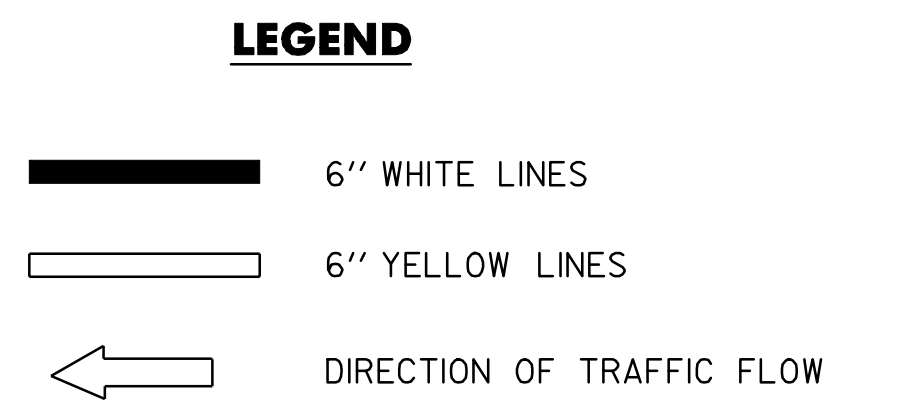
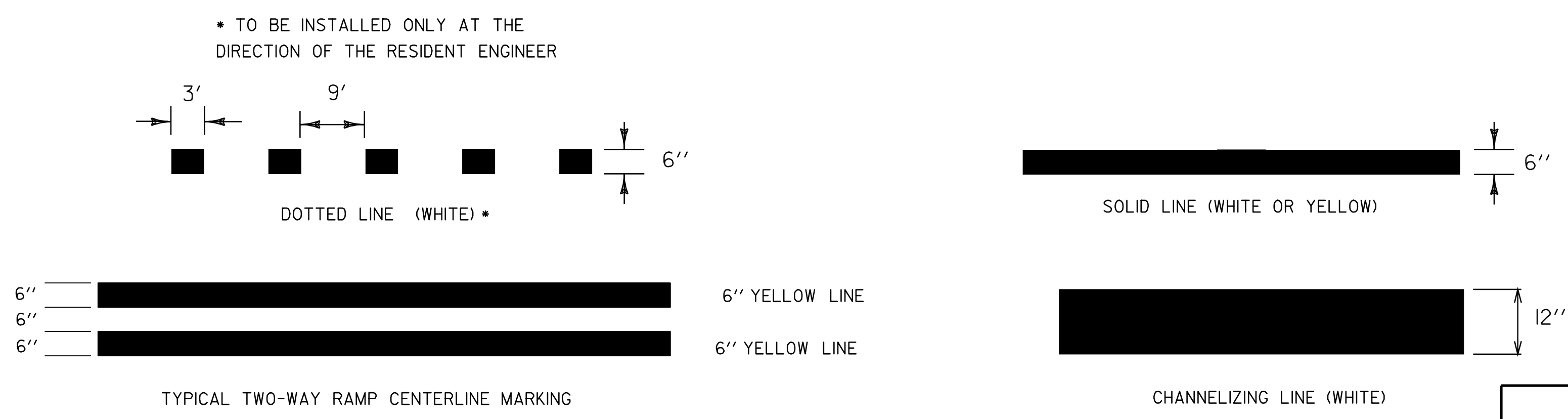
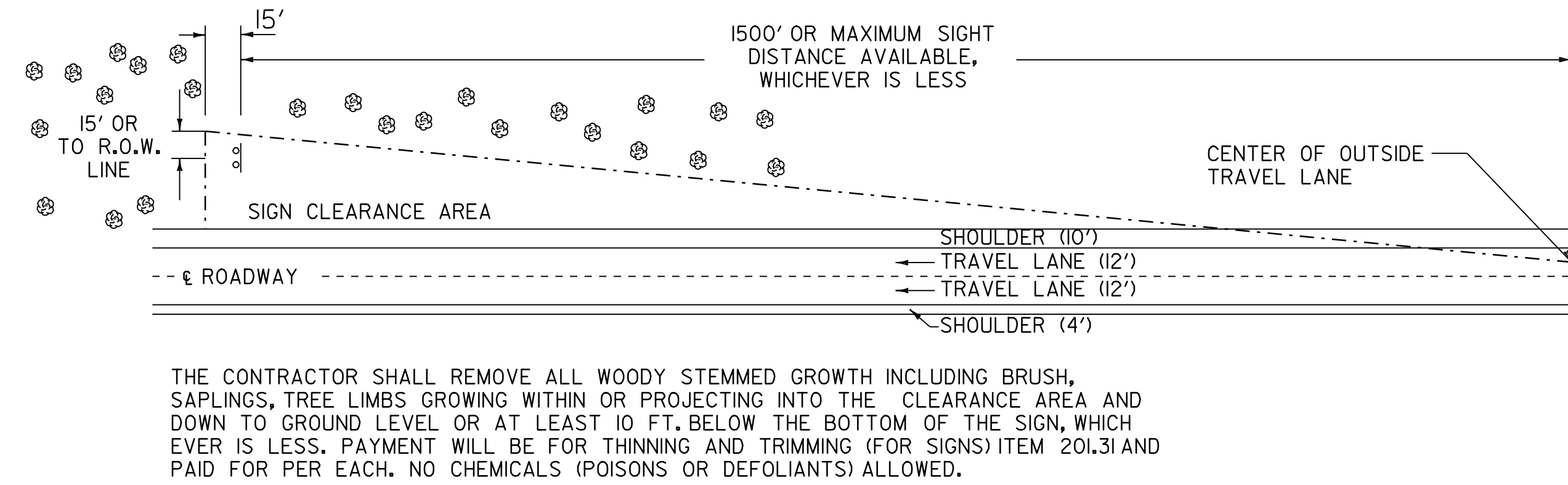
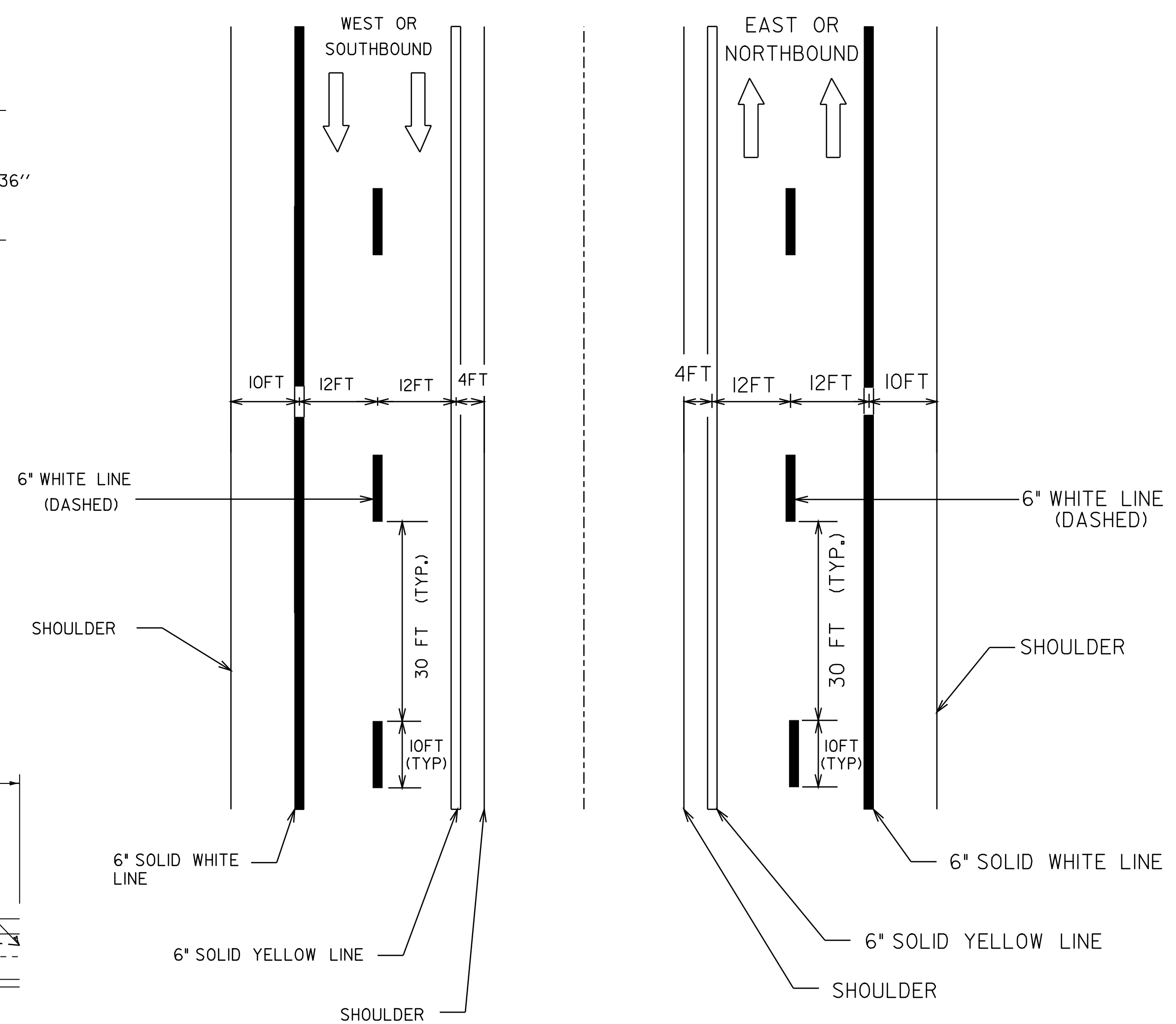
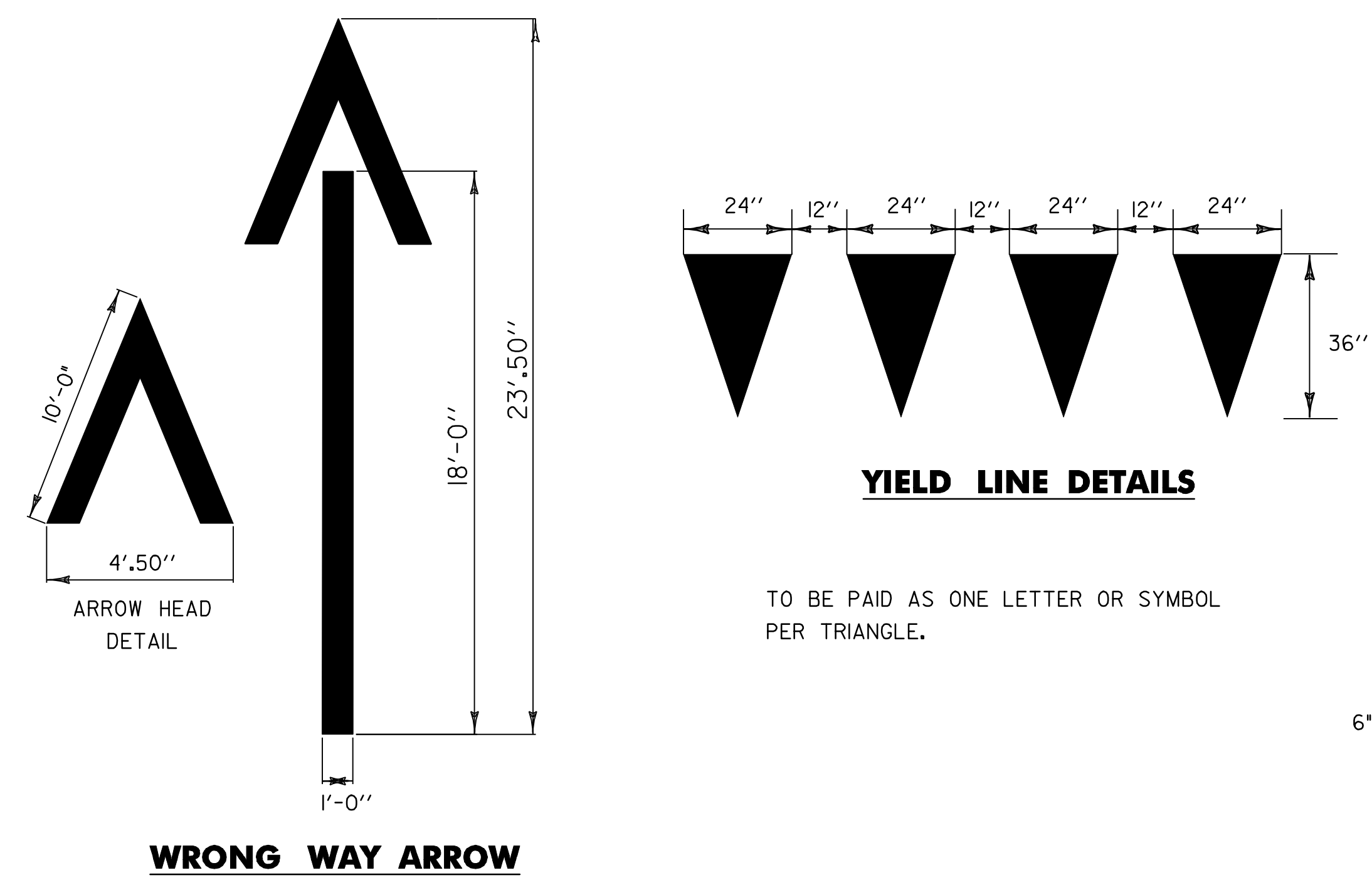
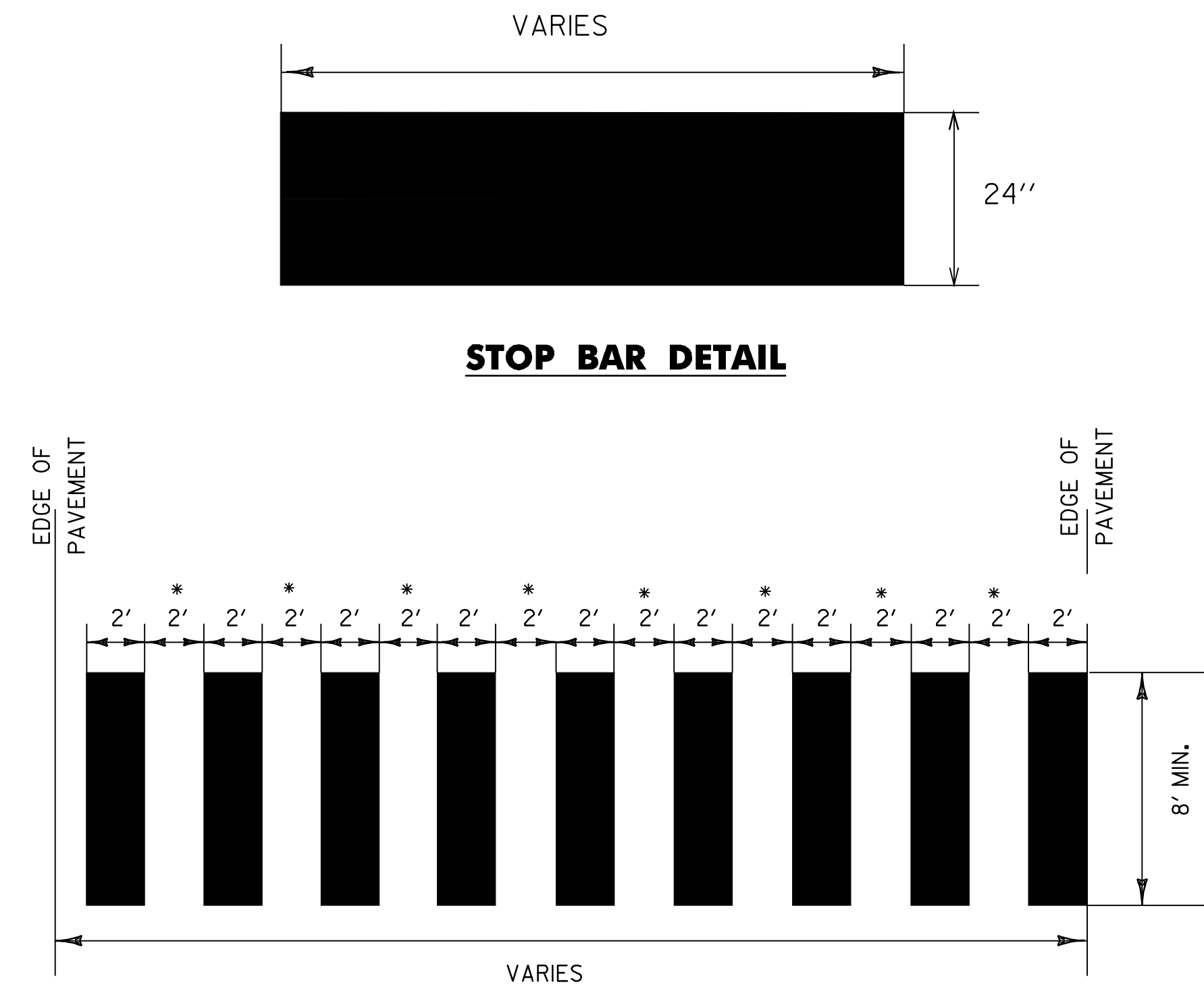
COLORS: THE SIGN SHALL HAVE A REFLECTORIZED WHITE TEXT AND BORDER ON A REFLECTORIZED GREEN BACKGROUND. SIGN SHALL BE FABRICATED ON GREEN ASTM TYPE III SHEETING WITH ASTM TYPE IX LETTERS AND NUMERALS.



COLORS: THE SIGN SHALL HAVE BLACK TEXT AND BORDER ON A REFLECTORIZED YELLOW BACKGROUND.

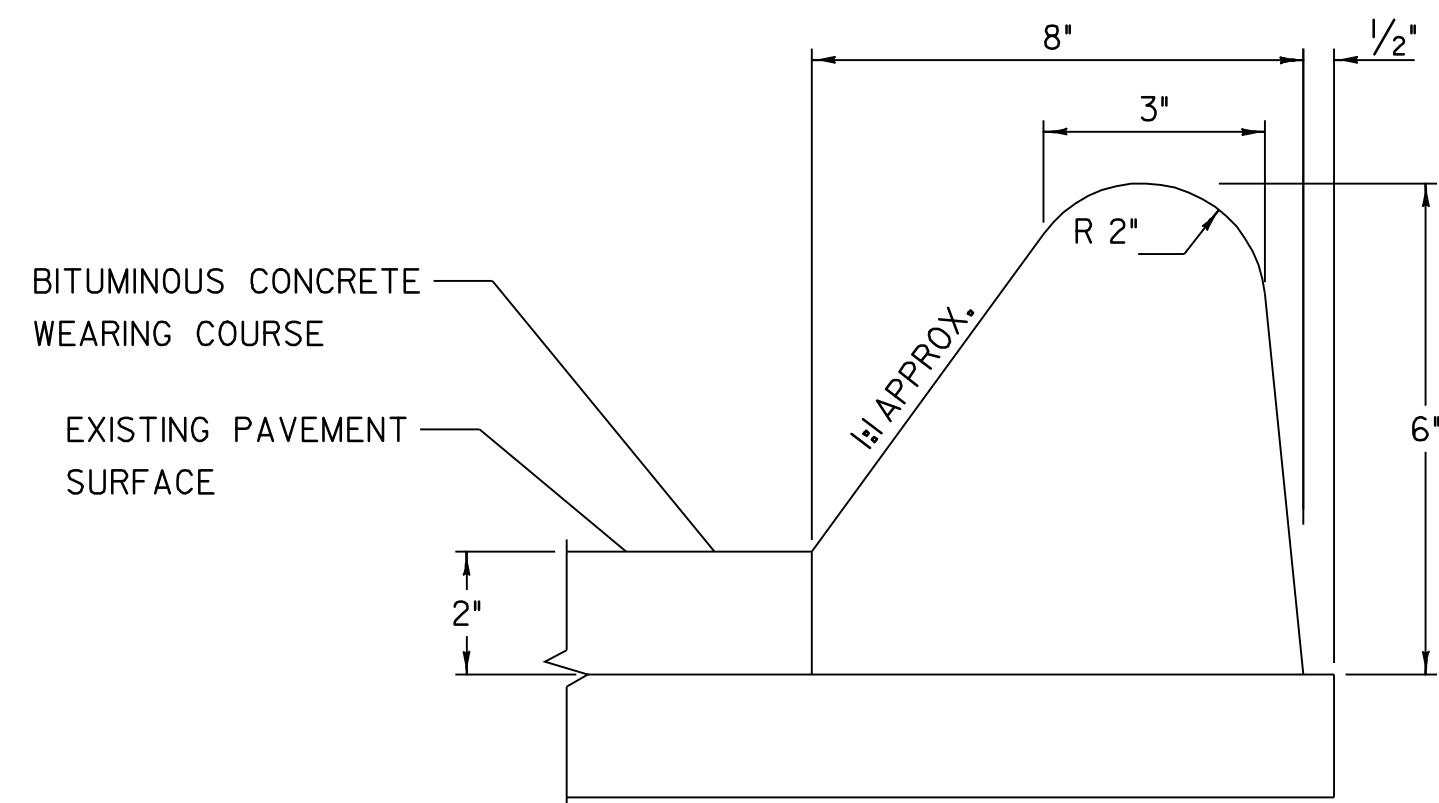
TEXT LAYOUT DIMENSIONS ARE BASED ON THE 'LETTER & NUMERAL WIDTHS AND SPACE' TABLES FOUND IN THE 'STANDARD HIGHWAY SIGNS' BOOKLET. MINOR VARIATIONS IN THE TEXT DIMENSIONS ARE ACCEPTABLE BASED ON INDIVIDUAL MANUFACTURER'S LETTER FABRICATION. SIGNIFICANT CHANGES WHICH AFFECT SIGN APPEARANCE SHALL BE BROUGHT TO THE ATTENTION OF VTRANS PRIOR TO FABRICATION.

|   |                                    |                             |
|---|------------------------------------|-----------------------------|
| <b>TYPE B SIGN</b><br><b>DETAIL SHEET 4</b> | PROJECT NAME: ESSEX                |                             |
|   | PROJECT NUMBER: NH 2403 (1)S       |                             |
|   | FILE NAME: pave/04b032/p04b032.dgn | PLOT DATE: 23-APR-2009 15:5 |
|   | PROJECT LEADER: EPD                | DRAWN BY: SJB, RHB          |
|   | DESIGNED BY: JDA                   | CHECKED BY: EPD             |
|   | PLOT FILE: p04b032sd4.t            | SHEET 43 OF 48              |

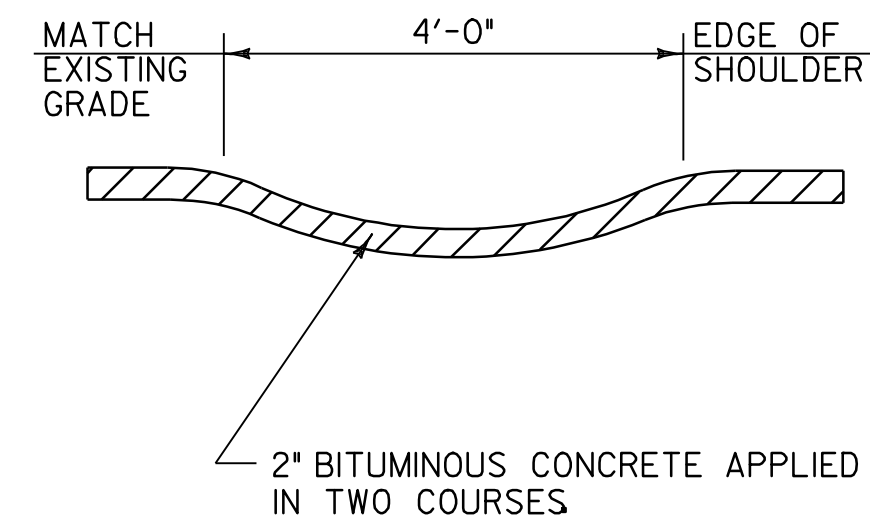


**ALL DETAILS NOT TO SCALE**

|                       |                                    |                             |
|-----------------------|------------------------------------|-----------------------------|
| <b>DETAIL SHEET 1</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                       | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                       | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                       | DESIGNED BY: JDA                   | SHEET 44 OF 48              |
|                       | PLOT FILE: p04b032misl.1           |                             |

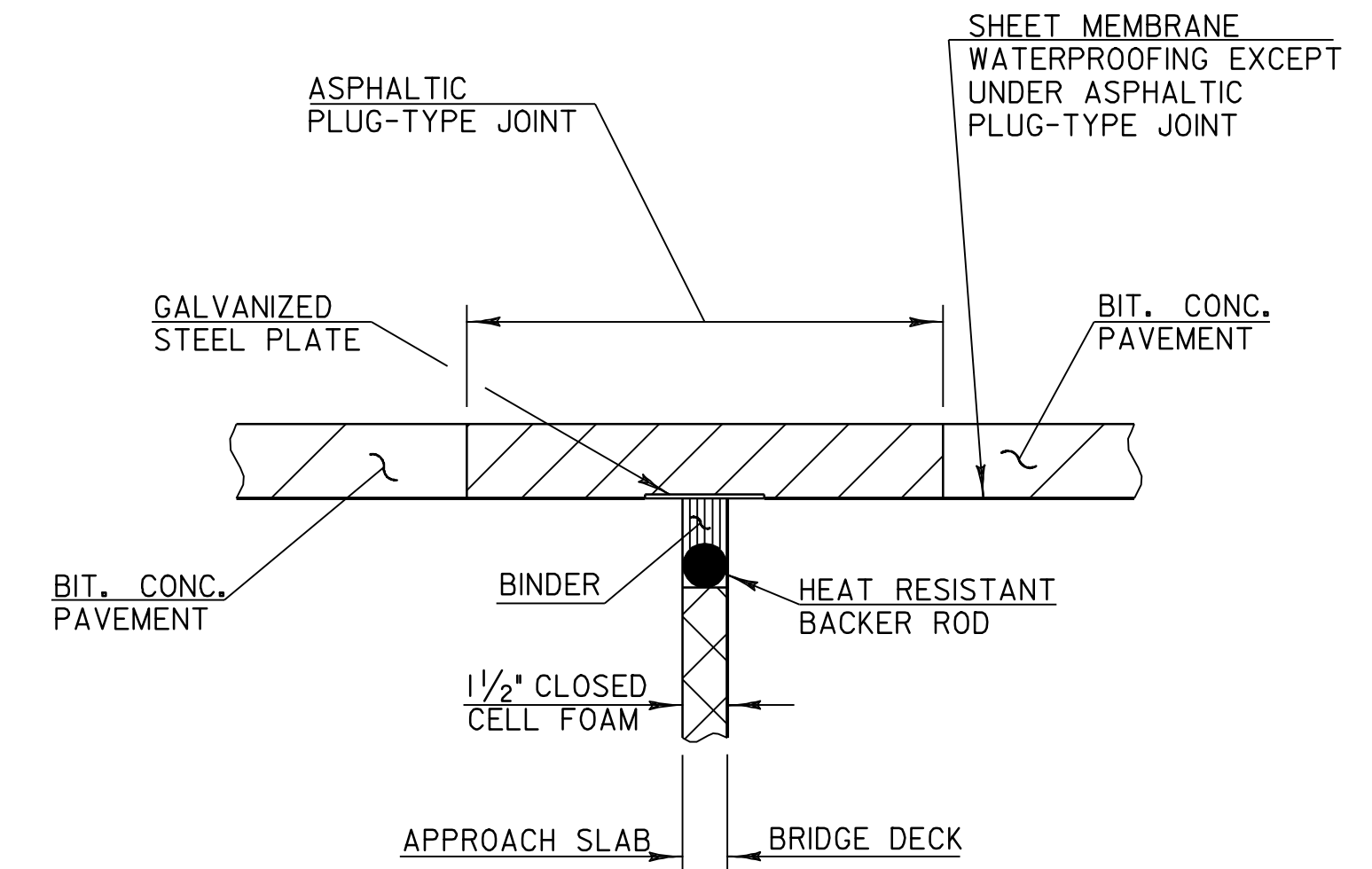


**DETAIL FOR BITUMINOUS CONCRETE CURB, TYPE A**

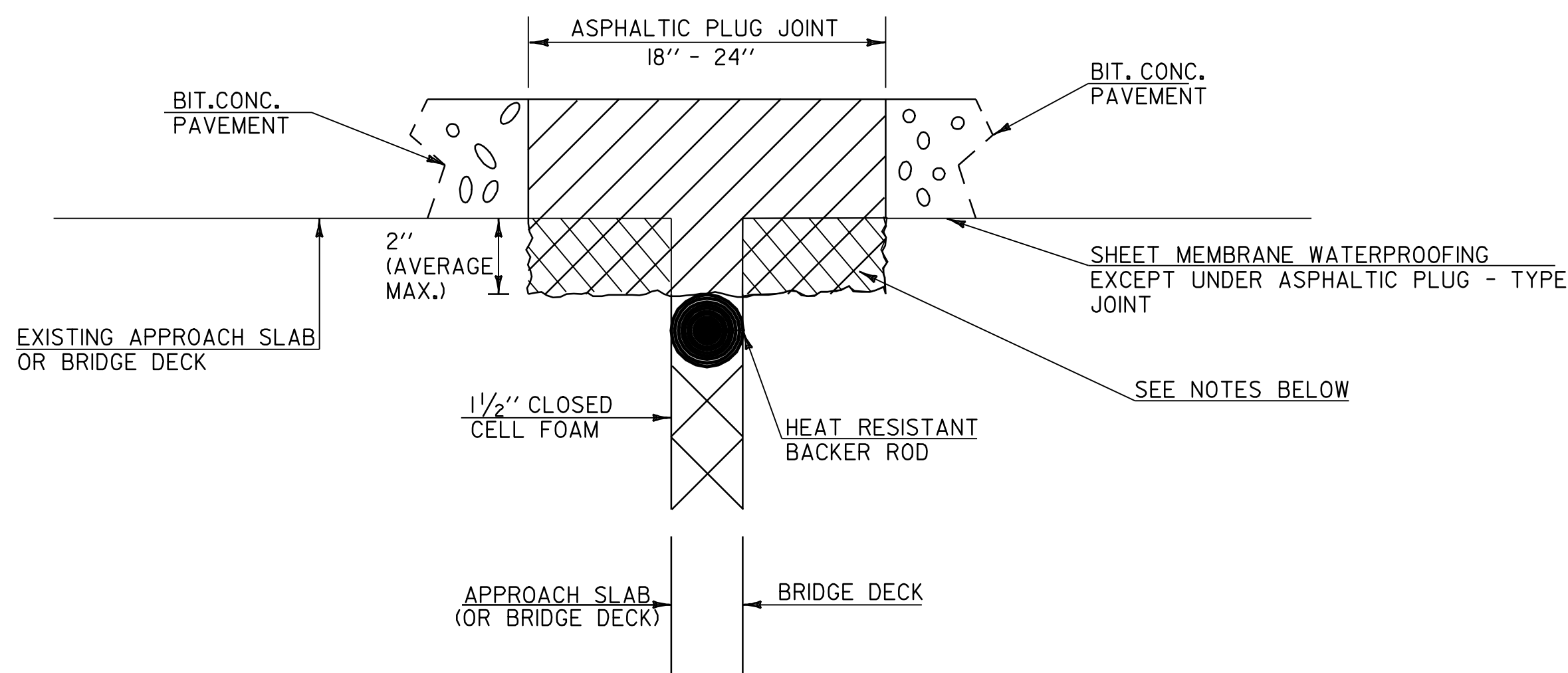


**BITUMINOUS CONCRETE GUTTER DETAIL**

EXIT 7 RAMP A STA. 5+33.75 RT - STA. 5+45.75 RT  
 EXIT 7 RAMP A STA. 5+53.30 LT - STA. 5+66.80 LT  
 EXIT 7 RAMP A STA. 8+81.25 LT - STA. 9+07.25 LT



**ASPHALTIC PLUG TYPE JOINT DETAIL**



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

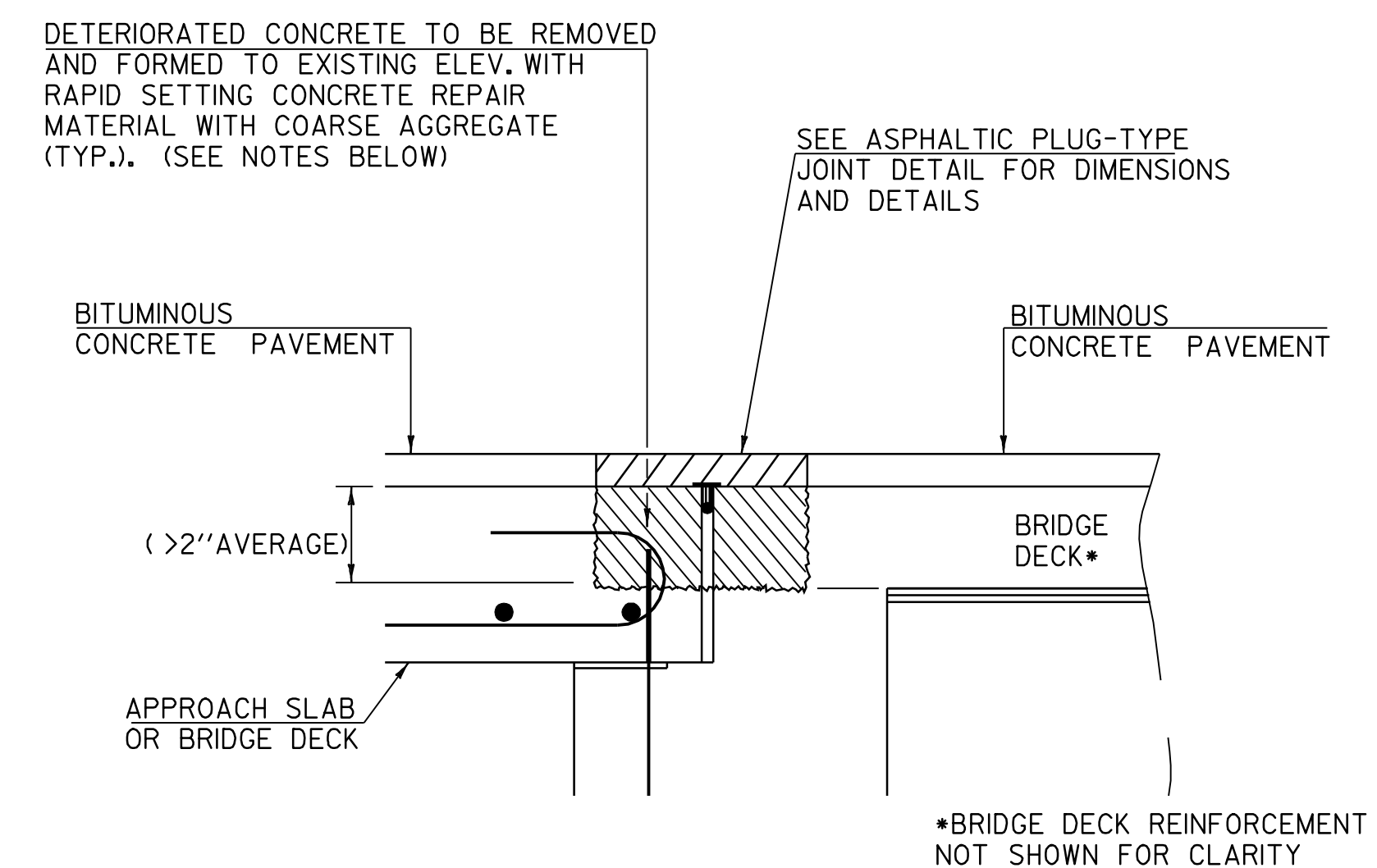
**NOTES:**

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

**ASPHALTIC PLUG LOCATIONS**

| LOCATION         | JOINT | LENGTH, FT |
|------------------|-------|------------|
| EXIT 7 RAMP A    | 1     | 24         |
|                  | 2     | 24         |
| EXIT 7 RAMP D    | 1     | 24         |
|                  | 2     | 24         |
| ESSEX WAY BRIDGE | 1     | 60         |
|                  | 2     | 60         |

FOR LOCATION OF PLUG JOINTS, REFER TO LAYOUT SHEETS. PLACEMENT OF JOINTS TO BE CONFIRMED IN THE FIELD PRIOR TO INSTALLATION.



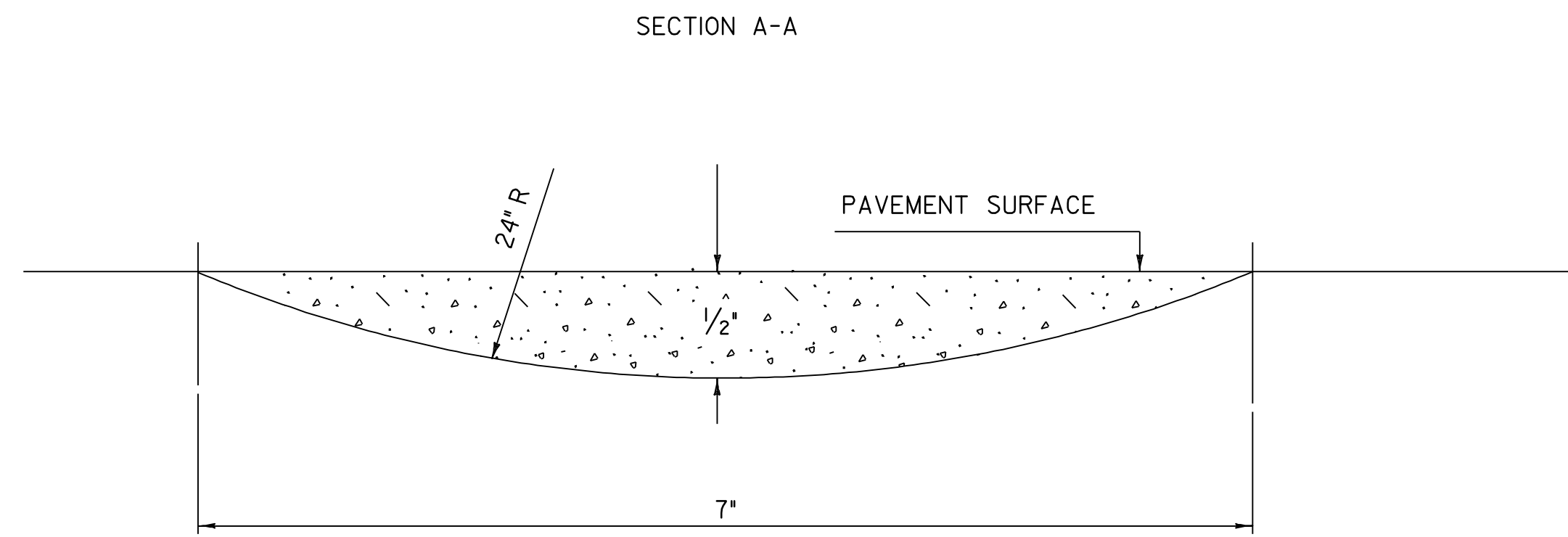
**ASPHALTIC PLUG-TYPE JOINT DETAIL  
 REMOVAL OF >2" DETERIORATED CONCRETE**

**NOTES:**

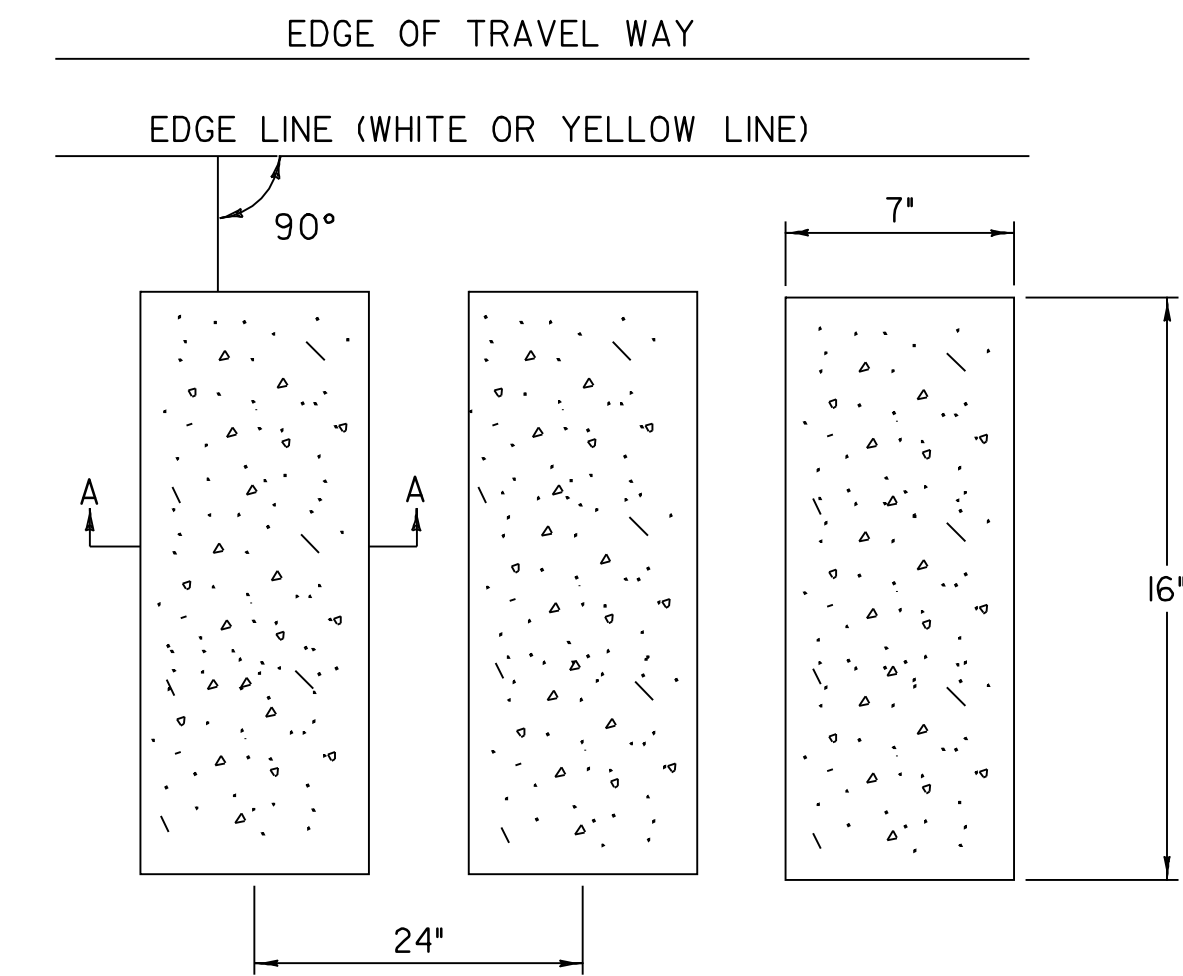
- UPON ENCOUNTERING GREATER THAN 2" AVERAGE OF DETERIORATED CONCRETE, THE CONTRACTOR SHALL REMOVE THE DETERIORATED MATERIAL AND REPLACE IT WITH RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE.
- REMOVAL OF THE DETERIORATED CONCRETE WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 580.20 "RAPID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

**ALL DETAILS NOT TO SCALE**

|                       |                                    |                             |
|-----------------------|------------------------------------|-----------------------------|
| <b>DETAIL SHEET 2</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                       | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|                       | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                       | DESIGNED BY: JDA                   | SHEET 45 OF 48              |



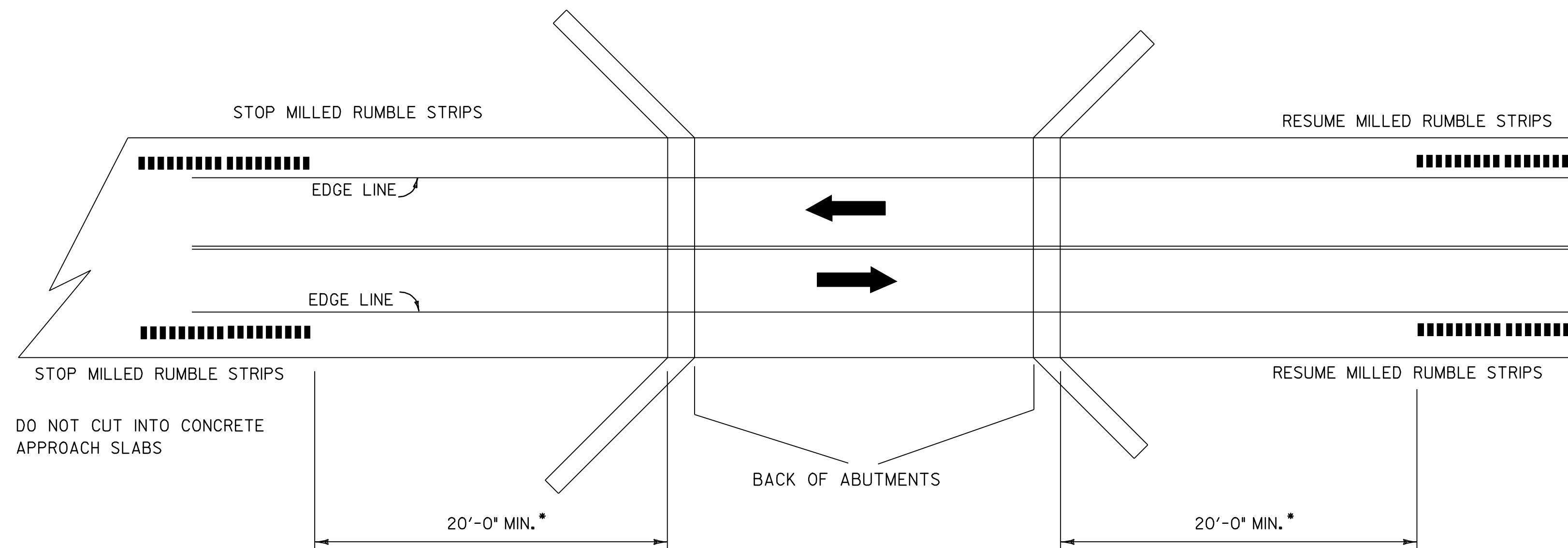
30" FROM EDGE LINE (WHITE OR YELLOW ) FOR ALL SHOULDERS 6'-0" OR WIDER  
 6" FROM EDGE LINES (WHITE OR YELLOW) FOR ALL SHOULDERS LESS THAN 6'-0" WIDE WITH NO GUARDRAIL.



NOTE: STOP MILLED RUMBLE STRIPS WITH GUARDRAIL WITHIN 4'-0" OF TRAVEL WAY.

**TYPICAL RUMBLE STRIP MILLING DETAIL**

30" FROM EDGE LINE (WHITE OR YELLOW ) FOR ALL SHOULDERS 6'-0" OR WIDER  
 6" FROM EDGE LINE (WHITE OR YELLOW ) FOR ALL SHOULDERS LESS THAN 6'-0" WIDE WITH NO GUARDRAIL





\* NOTE: APPROACH RAIL WILL DETERMINE MINIMUM DISTANCE IN SOME CASES.

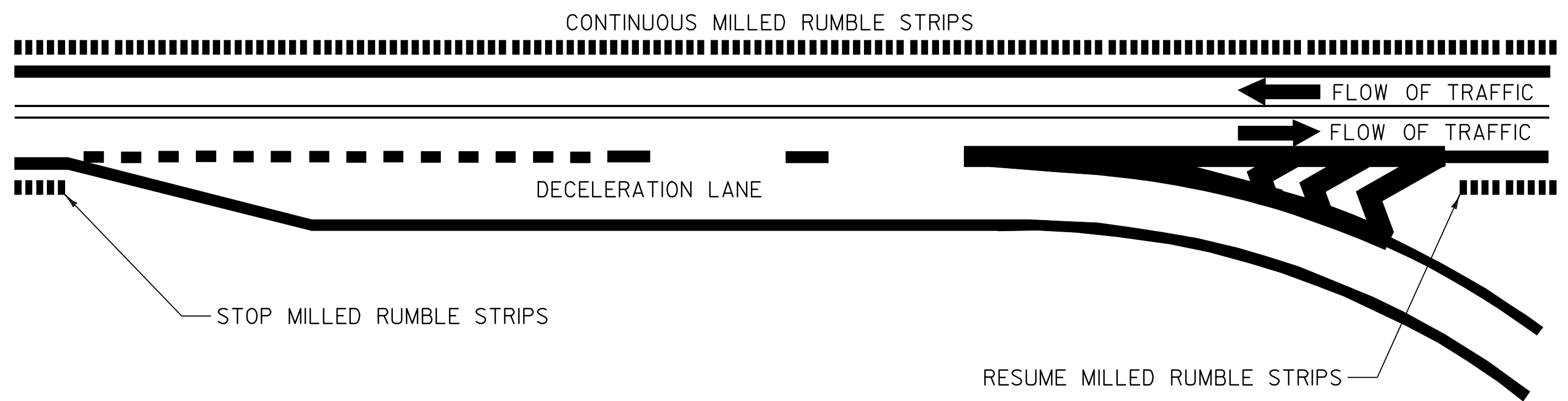
**RUMBLE STRIP BRIDGE DETAIL**

**DETAILS NOT TO SCALE**

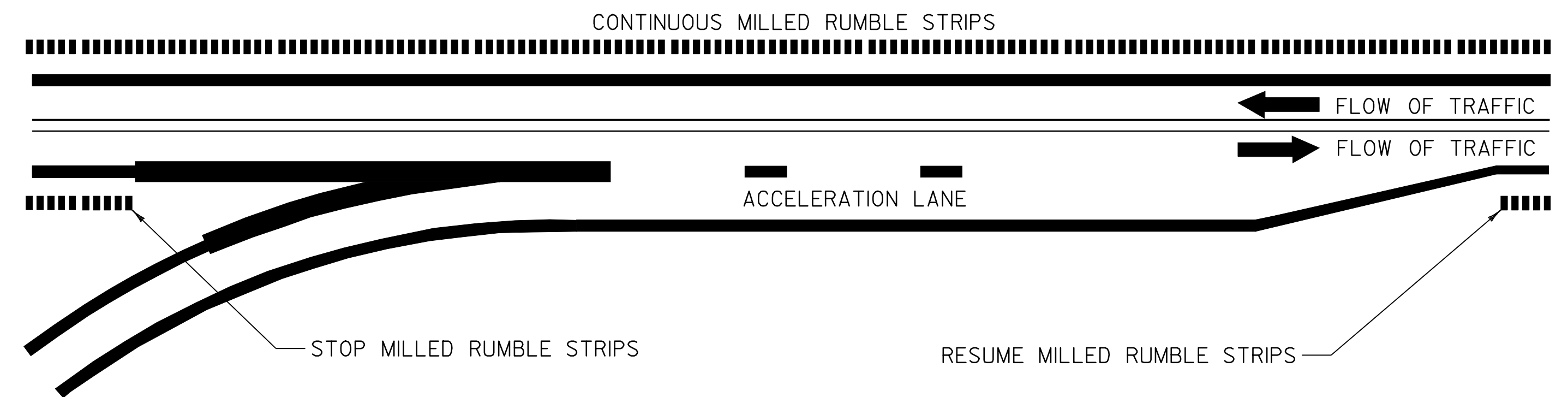
LEGEND

|  |                           |
|--|---------------------------|
|  | DIRECTION OF TRAFFIC FLOW |
|  | MILLED RUMBLE STRIPS      |

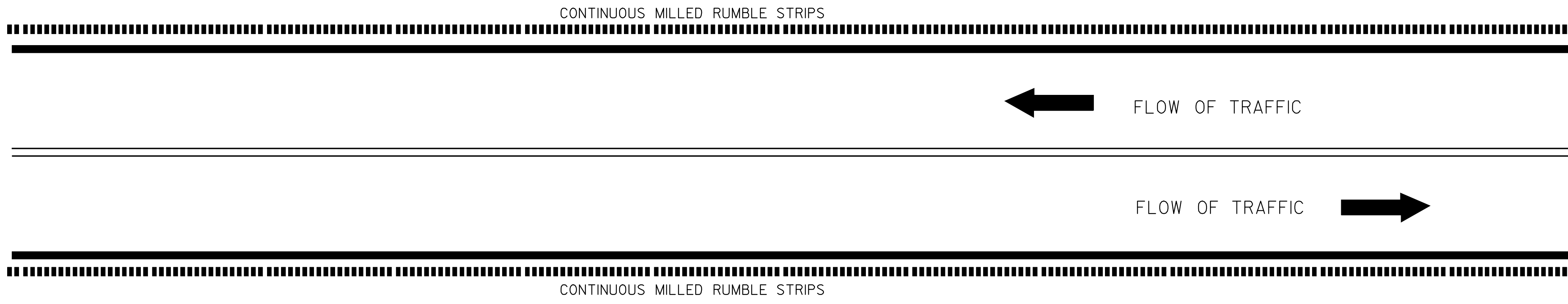
|                                     |                                    |                             |
|-------------------------------------|------------------------------------|-----------------------------|
| <b>MILLED RUMBLE STRIP DETAIL 1</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|                                     | PROJECT NUMBER: NH 2403 (I)S       | DRAWN BY: SJB, RHB          |
|                                     | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|                                     | DESIGNED BY: JDA                   | SHEET 46 OF 48              |
|                                     | PLOT FILE: p04b032rsl.t            |                             |



**INTERCHANGE 9 EXIT RAMPS A AND C**  
**INTERCHANGE 10 EXIT RAMPS A AND C**




**INTERCHANGE 9 RAMPS B AND D**  
**INTERCHANGE 10 RAMPS B AND D**  
**INTERCHANGE 12 RAMP B**




**VT 289**

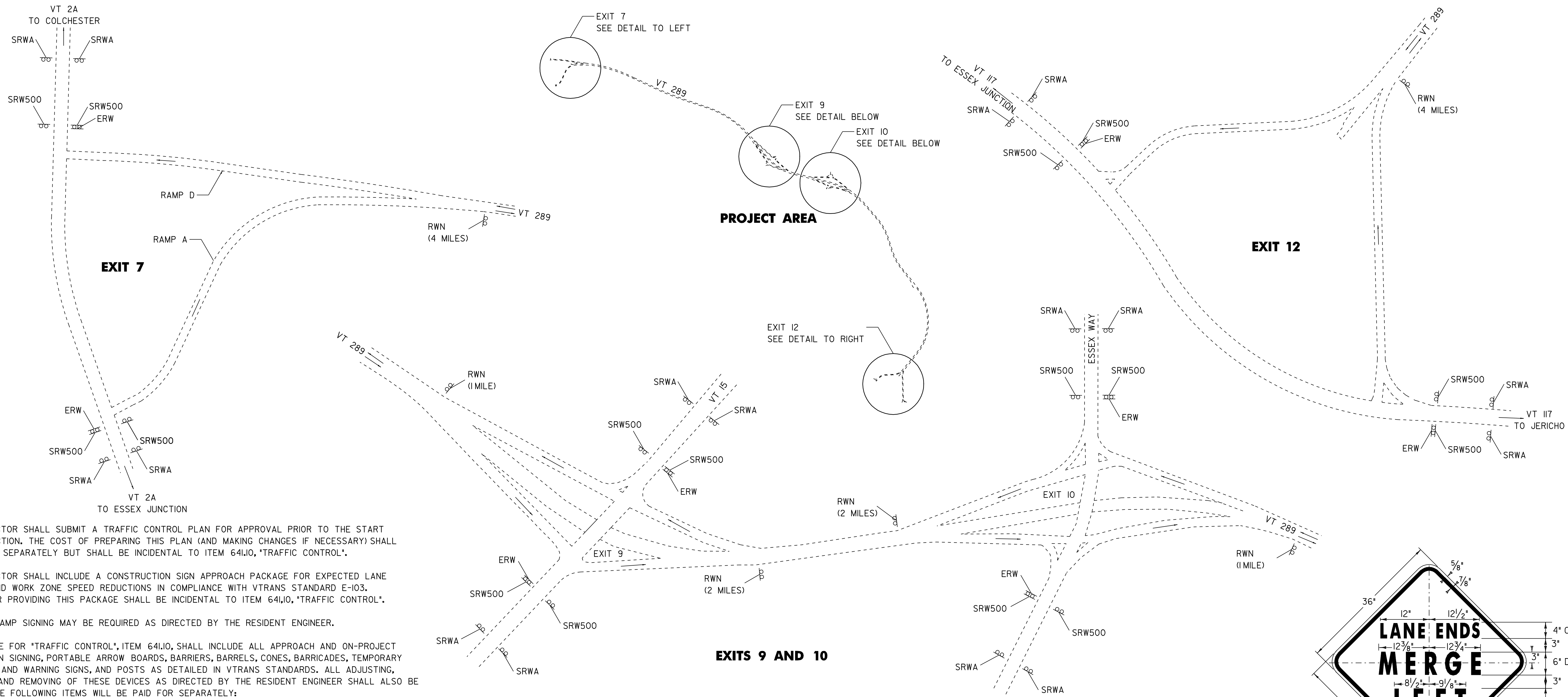
**DETAILS NOT TO SCALE**

**LEGEND**

 DIRECTION OF TRAFFIC FLOW

 MILLED RUMBLE STRIPS

|  |                                    |                             |
|--|------------------------------------|-----------------------------|
| <b>MILLED RUMBLE STRIPS<br/>DETAIL 2</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|  | PROJECT NUMBER: NH 2403 (I)S       | DRAWN BY: SJB, RHB          |
|  | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|  | DESIGNED BY: JDA                   | SHEET 47 OF 48              |
|  | PLOT FILE: p04b032rs2.1            |                             |



- NOTES:**
1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. THE COST OF PREPARING THIS PLAN (AND MAKING CHANGES IF NECESSARY) SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
  2. THE CONTRACTOR SHALL INCLUDE A CONSTRUCTION SIGN APPROACH PACKAGE FOR EXPECTED LANE CLOSURES AND WORK ZONE SPEED REDUCTIONS IN COMPLIANCE WITH VTRANS STANDARD E-103. PAYMENT FOR PROVIDING THIS PACKAGE SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".
  3. ADDITIONAL RAMP SIGNING MAY BE REQUIRED AS DIRECTED BY THE RESIDENT ENGINEER.
  4. THE BID PRICE FOR "TRAFFIC CONTROL", ITEM 641.10, SHALL INCLUDE ALL APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, PORTABLE 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 FOLLOWING ITEMS WILL BE PAID FOR SEPARATELY:  
646.614, 646.615, 646.64, 646.65, 646.66, 646.70 AND 646.71 - TEMPORARY PAVEMENT MARKINGS  
630.10 AND 630.15 - UNIFORMED TRAFFIC OFFICERS AND FLAGGERS
  5. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) WILL BE PROVIDED FOR USE ALONG THIS PROJECT. THE PLACEMENT OF THESE UNITS AS WELL AS THE MESSAGE WILL BE APPROVED BY THE RESIDENT ENGINEER. THESE SIGNS WILL BE PAID FOR UNDER ITEM 641.15, "PORTABLE CHANGEABLE MESSAGE SIGN".

PCMS SHOULD NOT REPLACE ANY OF THE SIGNING DETAILED IN THE MUTCD AND SHOULD NOT BE USED IF STANDARD TRAFFIC CONTROL DEVICES ADEQUATELY PROVIDE THE INFORMATION THE MOTORISTS NEED TO TRAVEL SAFELY.

THE PCMS SHALL CONSIST OF EITHER ONE OR TWO PHASES. TYPICALLY, A PHASE SHALL CONSIST OF UP TO THREE LINES OF EIGHT CHARACTERS PER LINE. THE PCMS SHOULD BE USED AS A SUPPLEMENT AND NOT AS A SUBSTITUTE FOR CONVENTIONAL SIGNS AND PAVEMENT MARKINGS.

THE PCMS SHOULD COMMUNICATE WHAT INFORMATION MOTORISTS NEED TO KNOW. UNNECESSARY INFORMATION SHOULD BE AVOIDED. MESSAGES SHOULD BE UPDATED PERIODICALLY TO DESCRIBE THE WORK ACTIVITY OCCURRING SO THAT THE PCMS CONTINUES TO COMMAND THE ATTENTION OF MOTORISTS.

6. THE MUTCD 2003 SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS, SIGNALS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC CONTROL DEVICES ARE ERECTED OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS.

7. 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. TRAFFIC CONTROL DEVICES SHALL BE SPACED ACCORDING TO THE 2003 MUTCD AND/OR VTRANS STANDARDS.
8. ON VTRANS STANDARD E-103, SIGN W4-2 MAY BE REPLACED WITH W9-2:

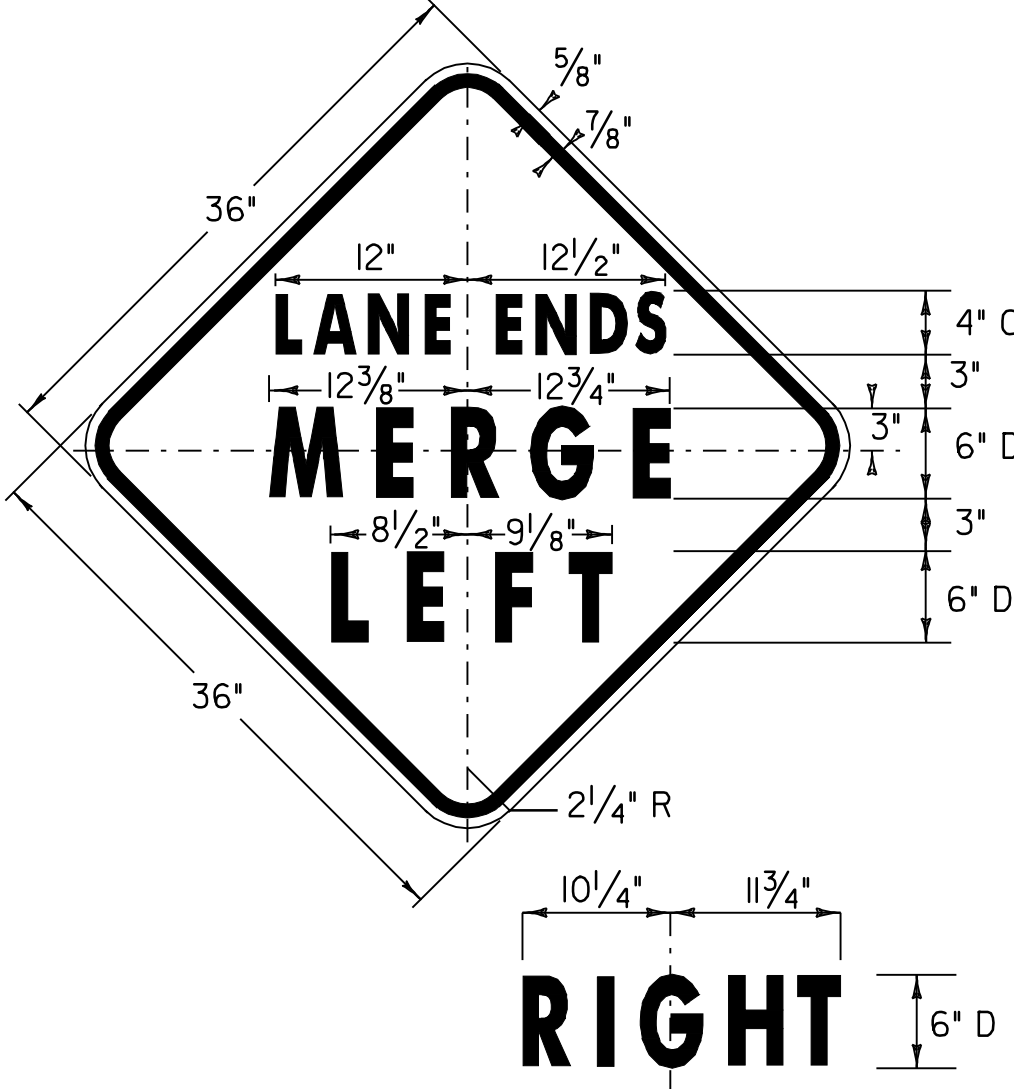


- LEGEND**
- SRWA = SIDE ROAD WORK AHEAD
  - SRW500 = SIDE ROAD WORK 500 FEET
  - RWN = ROAD WORK NEXT (4 MILES AT EXIT 7 & 12)  
= ROAD WORK NEXT (1 MILE AND/OR 2 MILES AT EXIT 9 & 10)
  - ERW = END ROAD WORK

NOTE: ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.

LIST OF CONSTRUCTION SIGNS  
SEE STD E-100 AND E-103 FOR SIGN PLACEMENT

| LOCATION           | SRWA | SRW500 | RWN (4 MILES) | RWN (2 MILES) | ERW |
|--------------------|------|--------|---------------|---------------|-----|
| VT289              |      |        | 2             | 4             |     |
| VT 2A, EXIT 7      | 4    | 4      |               |               | 2   |
| VT 15, EXIT 9      | 4    | 4      |               |               | 2   |
| ESSEX WAY, EXIT 10 | 4    | 4      |               |               | 2   |
| VT 117, EXIT 12    | 4    | 4      |               |               | 2   |



**NOTE:**  
1. "MERGE" - D (10% SPACING)

**NOT TO SCALE**

|  |                                    |                             |
|--|------------------------------------|-----------------------------|
| <b>CONSTRUCTION<br/>APPROACH<br/>SIGNING</b> | PROJECT NAME: ESSEX                | PLOT DATE: 23-APR-2009 15:5 |
|  | PROJECT NUMBER: NH 2403 (1)S       | DRAWN BY: SJB, RHB          |
|  | FILE NAME: pave/04b032/p04b032.dgn | CHECKED BY: EPD             |
|  | DESIGNED BY: JDA                   | SHEET 48 OF 48              |