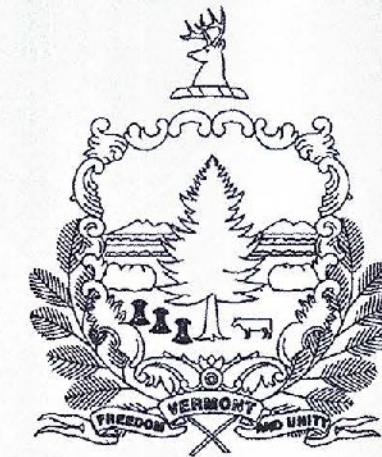


STATE OF VERMONT AGENCY OF TRANSPORTATION

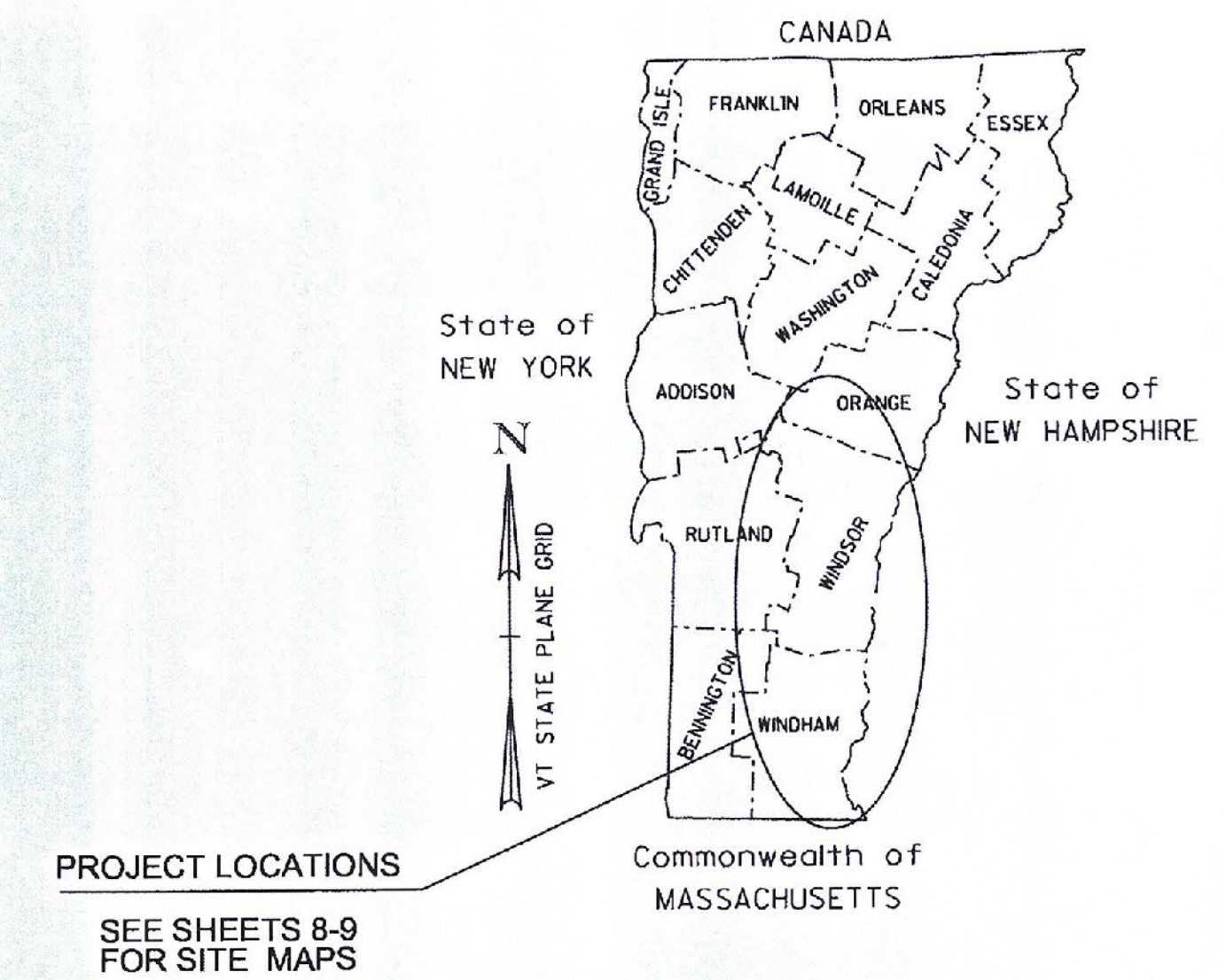


PROPOSED IMPROVEMENT

**STATEWIDE SOUTHEAST REGION STP HRRR(18)
TOWNS OF DOVER, ROYALTON AND WILMINGTON
COUNTIES OF WINDHAM AND WINDSOR**

PROJECT DESCRIPTION: WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REMOVAL OF EXISTING SIGNS, SIGN POSTS, AND GUARDRAIL; THE INSTALLATION OF NEW SIGNS, SIGN POSTS, AND GUARDRAIL; PAVEMENT MARKINGS (CENTERLINE, EDGELINE, SYMBOLS AND LETTERS); AND OTHER HIGHWAY RELATED ITEMS FOR THE DESCRIBED WORK.

PROJECT LOCATIONS:	TH-2,	MM	0.000 - 2.717	DOVER (HANDLE ROAD)
	TH-3,	MM	0.000 - 0.093	DOVER (SOUTH ACCESS ROAD)
	TH-6,	MM	0.000 - 3.010	ROYALTON (ROYALTON HILL ROAD)
	TH-36,	MM	0.000 - 0.097	ROYALTON (BACK RIVER ROAD)
	TH-22,	MM	0.000 - 0.737, 1.739 - 2.730	WILMINGTON (COLDBROOK ROAD)
	TH-21,	MM	0.000 - 1.923	WILMINGTON (HIGLEY HILL ROAD)



RECORD PLANS	
CONTRACTOR:	F. R. LAFAYETTE, INC.- ESSEX JUNCTION, VT
RESIDENT ENGINEER:	CHRIS BARKER
CONSTRUCTION BEGAN:	APRIL 21, 2014
CONSTRUCTION COMPLETE:	JULY 1, 2014
RECORD PLANS BY:	CHRIS BARKER & CRAIG PIERCE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY:	<i>Chris Barker</i> RESIDENT ENGINEER
DATE:	11/02/15
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.	

PROJECT LENGTHS:	2.717 MILES	(14346.00 FT)
	0.093 MILES	(491.00 FT)
	3.010 MILES	(15893.00 FT)
	0.097 MILES	(512.00 FT)
	1.728 MILES	(9124.00 FT)
TOTAL LENGTH:	9.568 MILES	(50519.00 FT)

QUALITY ASSURANCE PROGRAM: LEVEL 3

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	

SURVEYED BY :	N/A
SURVEYED DATE :	N/A
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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

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

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED <i>Patricia Coburn</i>	DATE 12-17-12
PROJECT MANAGER : PATRICIA COBURN, P.E.	
PROJECT NAME : STATEWIDE - SOUTHEAST REGION	
PROJECT NUMBER : STP HRRR(18)	
SHEET 1 OF 34 SHEETS	

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STANDARDS

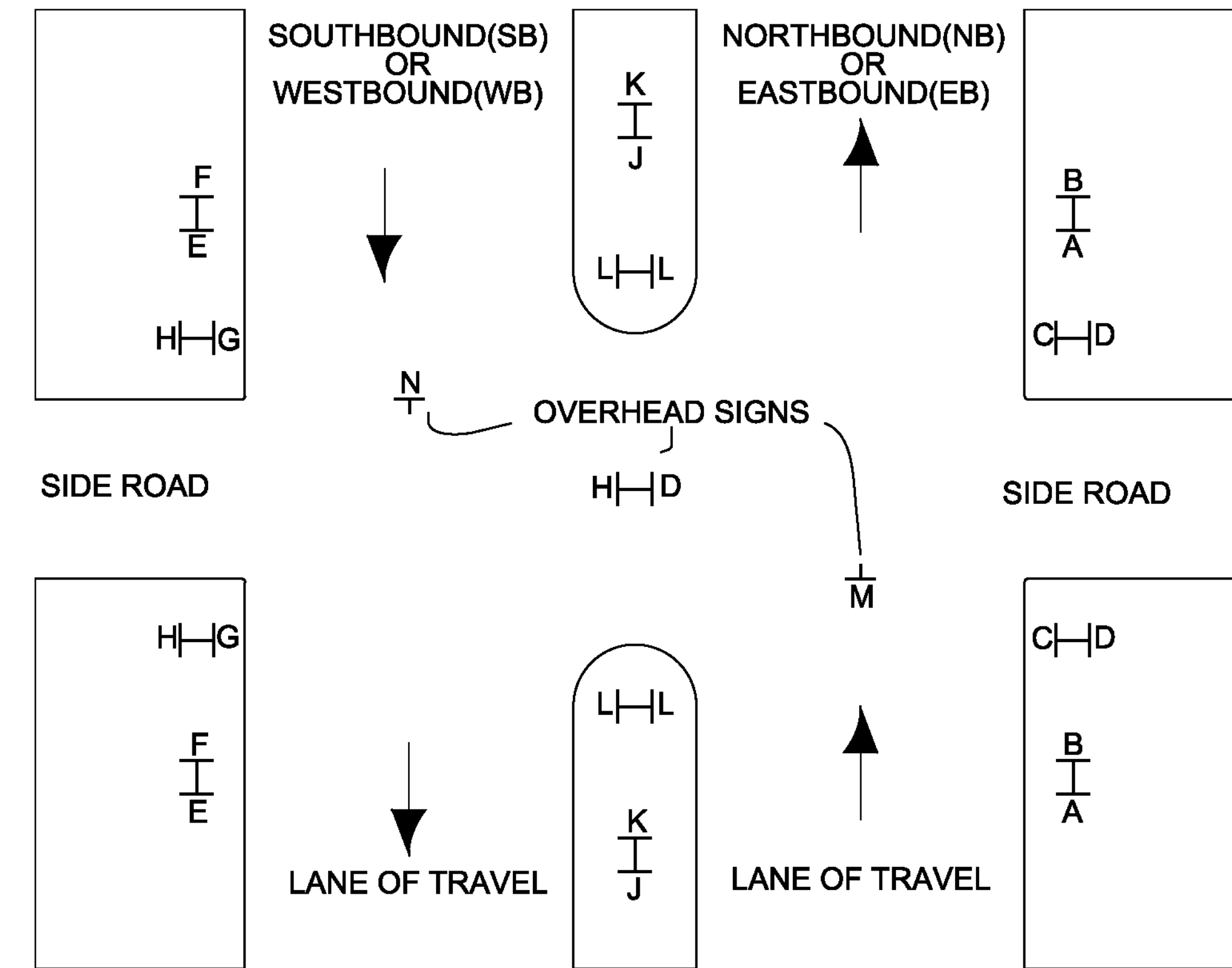
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08/08/1995
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	03/16/2004
E-127	ROUTE MARKINGS AT RURAL INTERSECTIONS	08/08/1995
E-136B	STATE ROUTE MARKER SIGN DETAILS	08/08/1995
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E-138	MILEMARKER DETAILS - STATE AND TOWN HIGHWAYS	05/30/2003
E-145A	REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS	12/23/1994
E-154	WARNING SIGN DETAILS	05/01/2004
E-191	PAVEMENT MARKING DETAILS	02/01/1999
E-193	PAVEMENT MARKING DETAILS	08/18/1995
G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATORS, TYPICALS)	01/03/2000
G-1d	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)	01/03/2000
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11/15/2002
S-367A	BRIDGE RAILING, GALVANIZED HDSB/ FASCIA MOUNTED/ STEEL TUBING	05/24/2012
S-367B	GUARDRAIL APPROACH SECTION, GALVANIZED HD STEEL BEAM	05/24/2012
T-45	SQUARE TUBE SIGN POST AND ANCHOR	01-02-2013

GENERAL NOTES

- THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES PROVIDED IN THESE PLANS SHALL REFER TO THE 2009 MUTCD. DESIGN DETAILS FOR SIGNS INDICATED ON THE PLANS, AS FOUND IN THE STANDARD HIGHWAY SIGNS AND MARKING BOOK (SHSM), SHALL BE PER THE 2004 SHSM AND THE 2012 SUPPLEMENT TO THE 2004 EDITION AND APPLICABLE VTRANS E-SERIES AND T-SERIES STANDARDS OR AS DIRECTED BY THE ENGINEER.
- ALL SIGN LETTERING, DIGITS, ARROWS, AND DESIGN OF SYMBOLS FOR SIGNS DETAILED IN THESE PLANS SHALL CONFORM WITH THE "STANDARD ALPHABET FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS ADOPTED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION (FHWA), UNLESS OTHERWISE DETAILED WITHIN THESE PLANS.
- WITHIN THE TRAFFIC SIGN SUMMARY SHEETS (FY) - FLUORESCENT YELLOW SHEETING (ASTM D 4956 TYPE VII, VIII, OR IX) AND (FYG) - FLUORESCENT YELLOW-GREEN SHEETING (ASTM D4956 TYPE VII, VIII, OR IX). REFER TO SUBSECTION 750.08 RETROREFLECTIVE SHEETING.
- SHEETING TYPES AND SHEETING FABRICATED BY DIFFERENT MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHOULD BE BY THE SAME MANUFACTURER AND SHOULD BE CONSISTENT THROUGHOUT THE PROJECT.
- SIGN BASE MATERIAL FOR ALL STREET NAME SIGNS SHALL BE EITHER 0.125 INCH THICK FLAT SHEET ALUMINUM OR EXTRUDED ALUMINUM WITH A 0.250 THICK FLANGE AND 0.090 INCH MINIMUM WEB THICKNESS. STREET NAME SIGNS SHALL BE DOUBLE-SIDED.
- UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIAL SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIGN SIZES			
9" X 12"			
12" X 12"			
18" X 18"			
21" X 15"			
24" X 8"			
24" X 10"			ALL STREET NAME SIGNS
24" X 12"		48" X 8"	
24" X 18"	36" X 12"	48" X 18"	
24" X 24"	36" X 15"	48" X 24"	
24" X 30"	36" X 18"	48" X 30"	
30" X 8"	36" X 24"	48" X 42"	
30" X 15"	30" X 42"	48" X 48"	
30" X 18"	36" X 36"	48" X 60"	
30" X 30"	36" X 48"	72" X 10"	
30" X 42"	36" X 54"	72" X 12"	
36" X 8"	42" X 8"	72" X 20"	
THICKNESS	0.080"	0.100"	0.125"

- ALL SQUARE STEEL SIGN POSTS SHALL BE INSTALLED IN A NEW ANCHOR. ALL SIGNS INSTALLED IN PAVED OR CONCRETE ISLANDS OR SIDEWALKS SHALL ALSO BE INSTALLED WITH AN 18" SLEEVE. PAYMENT FOR THE SLEEVE SHALL BE INCIDENTAL TO CONTRACT ITEM 675.341 SQUARE TUBE SIGN POST AND ANCHOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
- SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH STATE STANDARD DRAWING E-121 SIGN PLACEMENT CONVENTIONAL ROAD, UNLESS OTHERWISE NOTED.
- SUPPLEMENTAL WARNING PLAQUES SHALL BE USED ONLY IN COMBINATION WITH WARNING OR REGULATORY SIGNS. THEY SHALL NOT BE MOUNTED ALONE OR DISPLAYED ALONE. IF USED, A SUPPLEMENTAL WARNING PLAQUE SHALL BE INSTALLED ON THE SAME POST(S) AS THE WARNING OR REGULATORY SIGN THAT IT SUPPLEMENTS. UNLESS OTHERWISE PROVIDED IN THESE PLANS FOR A PARTICULAR PLAQUE, SUPPLEMENTAL WARNING PLAQUES SHALL BE MOUNTED BELOW THE SIGN THEY SUPPLEMENT.
- ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS, AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY WILL NOT BE ALLOWED.
- ALL NEW SIGN INSTALLATIONS, IF NEAR A UTILITY POLE, SHALL BE NO CLOSER THAN 10 FEET FROM THE UTILITY POLE.
- EXISTING STREET NAME SIGNS ATTACHED TO SIGN POSTS THAT ARE TO BE REPLACED, SHALL BE REMOVED AND INSTALLED ONTO THE NEW POSTS. ALL WORK AND MATERIALS NECESSARY TO REMOVE AND INSTALL THE STREET NAME SIGNS SHALL BE PAID UNDER ITEM 675.50 REMOVING SIGNS. NEW POSTS INSTALLED SHALL BE PAID UNDER THEIR RESPECTIVE PAY ITEM. ALL EXISTING STREET NAME SIGNS INSTALLED ON STAND ALONE SIGN POSTS SHALL BE RETAINED WITHIN THE PROJECT LIMITS, UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
- SIGN IDENTIFICATION INFORMATION AS OUTLINED IN SECTION 675.02 SHALL INDICATE THE TOWN AND TOWN HIGHWAY INFORMATION. VAO OR THE STATE SHALL NOT BE INDICATED ON ANY OF THE SIGNS.



THE TRAFFIC SIGN LOCATION CODES ARE TO BE USED IN CONJUNCTION WITH THE SIGN SUMMARY SHEETS TO ESTABLISH PROPER SIGN INSTALLATION IN THE FIELD.

TRAFFIC SIGN LOCATION CODES
NOT TO SCALE

GUARDRAIL GENERAL NOTES

- STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
- ESTIMATED QUANTITIES OF ITEMS 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I; 608.37 TRUCK RENTAL; AND 608.40 LOADER RENTAL, TYPE I; ARE INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTION FLARES WITH EXCAVATED MATERIAL. ALL EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO ITEMS 608.25, 608.37, AND 608.40. AN ESTIMATED QUANTITY OF ITEM 203.30 EARTH BORROW HAS BEEN INCLUDED IN THE CASE THAT THE DITCHING MATERIAL IS NOT SUITABLE TO USE IN THE GUARDRAIL END SECTION FLARE AREA. 25 CUBIC YARDS OF EARTH MATERIAL HAS BEEN ESTIMATED FOR EACH NEW GUARDRAIL END SECTION FLARE. ITEM 653.20 TEMPORARY EROSION MATTING SHALL BE PLACED ON ALL SLOPES CREATED BY THE GUARDRAIL END SECTION FLARE. THE QUANTITIES INCLUDED REFLECT 25 SY OF ITEM 653.20 TEMPORARY EROSION MATTING FOR EACH NEW GUARDRAIL END SECTION FLARE.

VAOT RURAL AREA MIX

% WEIGHT	LBS/AC		NAME	GERM %	PURITY %
	BROADCAST	HYDROSEED			
37.5%	22.5	45	CREEPING RED FESCUE	85%	98%
37.5%	22.5	45	TALL FESCUE	90%	95%
5.0%	3	6	RED TOP	90%	95%
15.0%	9	18	BIRDSFOOT TREFOIL	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	85%	95%
100%	60	120			

GENERAL GUIDANCE

FERTILIZER		LIME	
BROADCAST	HYDROSEED	BROADCAST	HYDROSEED
10-20-10	19-19-19	PELLETIZED	LIQUID
500 LBS/AC		2 TONS/AC	4.4 GAL/AC

CONSTRUCTION GUIDANCE

- RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
- ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
- TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES

TURF ESTABLISHMENT

REVISIONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF

PROJECT NAME: STATEWIDE SOUTHEAST REGION

PROJECT NUMBER: STP HRRR(18)

FILE NAME: I3k034wrk.dgn

PROJECT LEADER: P. COBURN

DESIGNED BY: N. PATTIS

INDEX OF SHEETS & GENERAL NOTES

PLOT DATE: 1/3/2014

DRAWN BY: N. PATTIS

CHECKED BY: B. GROSE

SHEET 2 OF 34

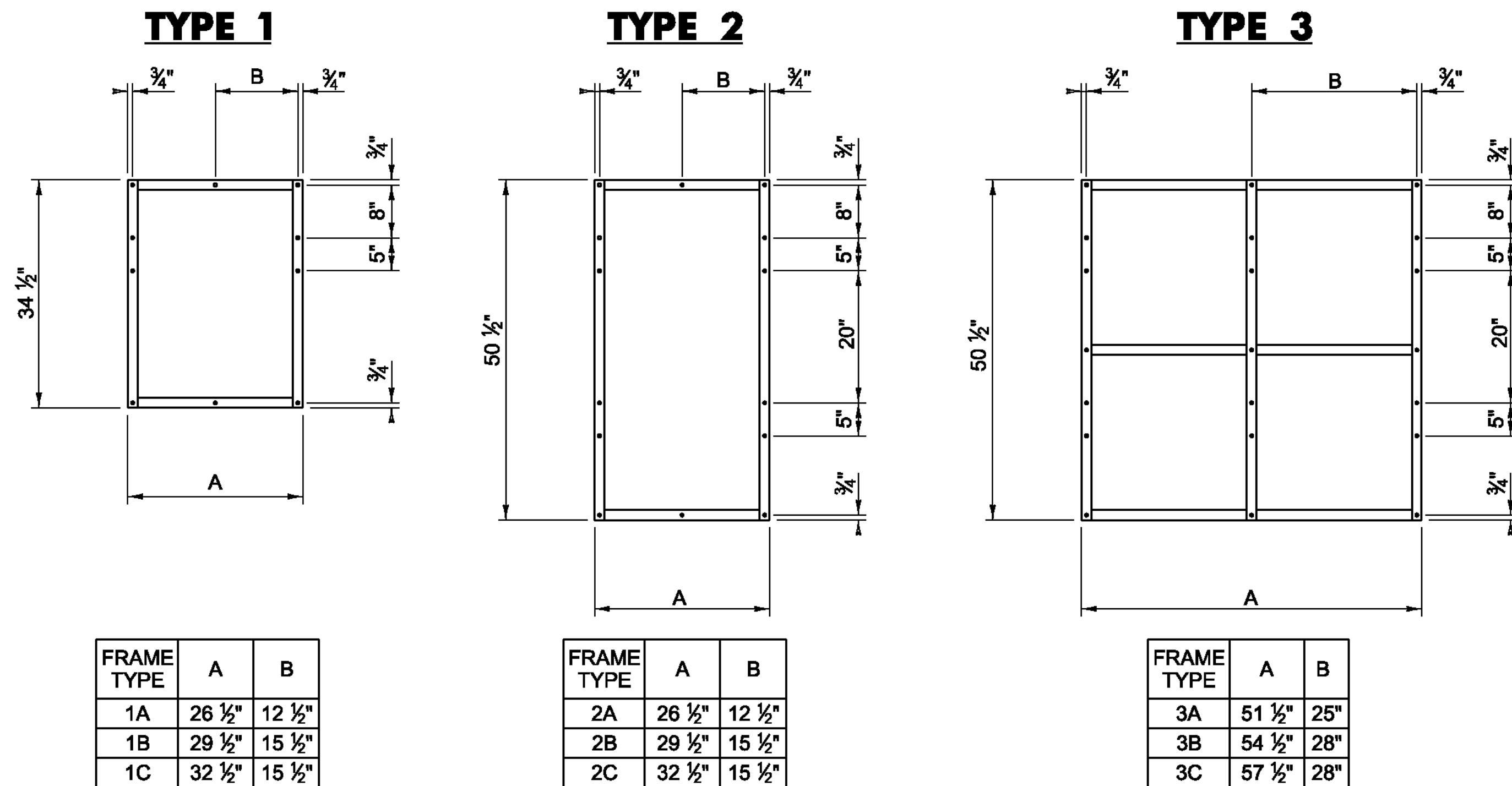
QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
									ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
									75		75		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	3.8			
									600		600		CY	EARTH BORROW	203.30	EST.			
									1		1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-			
									8		8		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.			
									8		8		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			
									8		8		HR	TRUCK RENTAL	608.37	EST.			
									8		8		HR	LOADER RENTAL, TYPE I	608.40	EST.			
									2450		2450		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	27			
									16		16		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
									1660		1660		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	13			
									24		24		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
									275		275		HR	FLAGGERS	630.15	EST.			
									1		1		LS	MOBILIZATION/DEMobilIZATION	635.11	-			
									1		1		LS	TRAFFIC CONTROL	641.10				
									1202		1202		LF	4 INCH WHITE LINE	646.20				
									1928		1928		LF	4 INCH YELLOWLINE	646.21	14.2			
									100		100		LF	24 INCH STOP BAR	646.26	4			
									50		50		EACH	LETTER OR SYMBOL	646.30	4			
										12	12		LB	SEED	651.15	EST.			
										49	49		LB	FERTILIZER	651.18	EST.			
										0.024	0.024		TON	AGRICULTURAL LIMESTONE	651.20	EST.			
										0.195	0.195		TON	HAY MULCH	651.25	EST.			
									52		52		CY	TOPSOIL	651.35	EST.			
										400	400		SY	TEMPORARY EROSION MATTING	653.20	EST.			
									630		630		SF	TRAFFIC SIGNS, TYPE A	675.20	8.43			
									1695		1695		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	20			
									81		81		EACH	REMOVING SIGNS	675.50	-			
									2		2		EACH	ERECTING SALVAGED SIGNS	675.60	-			
									45		45		EACH	DELINEATOR WITH STEEL POST	676.10	1			

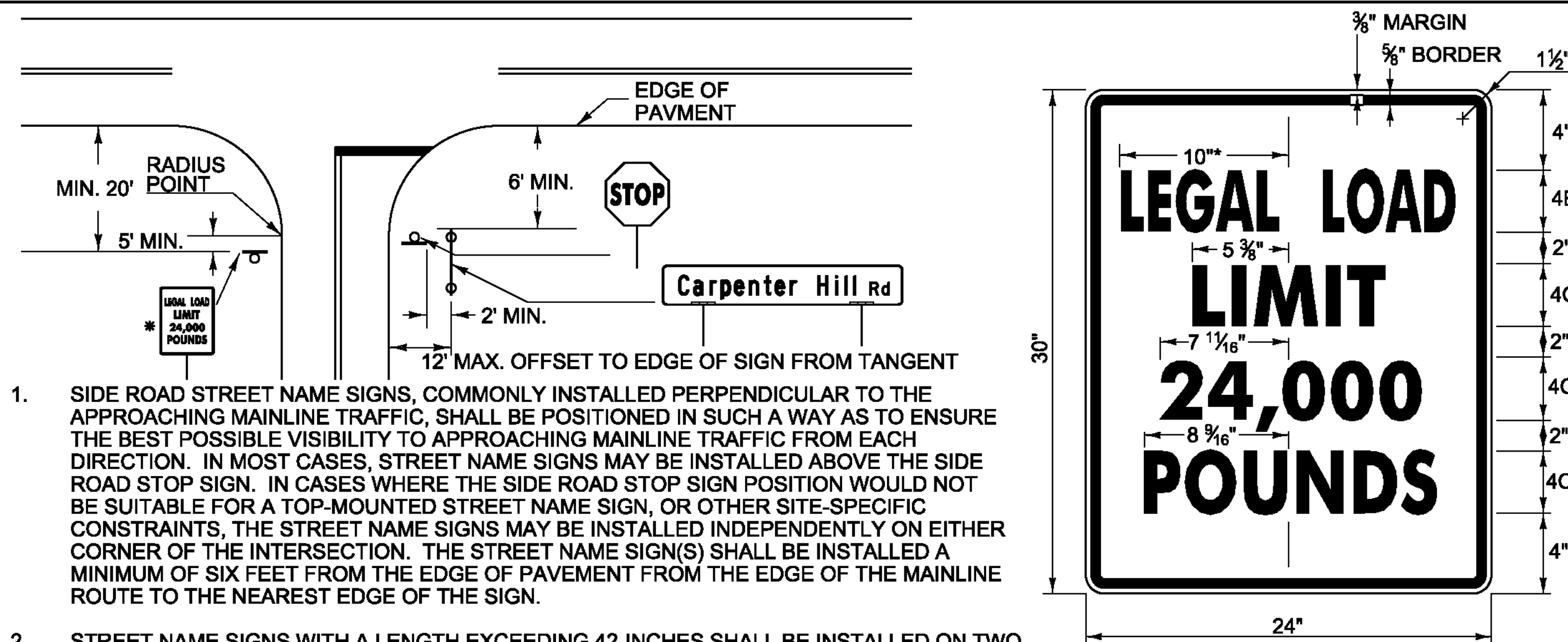
PROJECT NAME: STATEWIDE SOUTHEAST REGION
PROJECT NUMBER: STP HRRR(18)
FILE NAME: I3k034wrk.dgn
PROJECT LEADER: P. COBURN
DESIGNED BY: N. PATTIS
QUANTITY SHEET

PLOT DATE: 1/7/2014
DRAWN BY: N. PATTIS
CHECKED BY: B. GROSE
SHEET 3 OF 34

GENERAL SIGNING DETAILS



ROUTE MARKER ASSEMBLY FRAMES



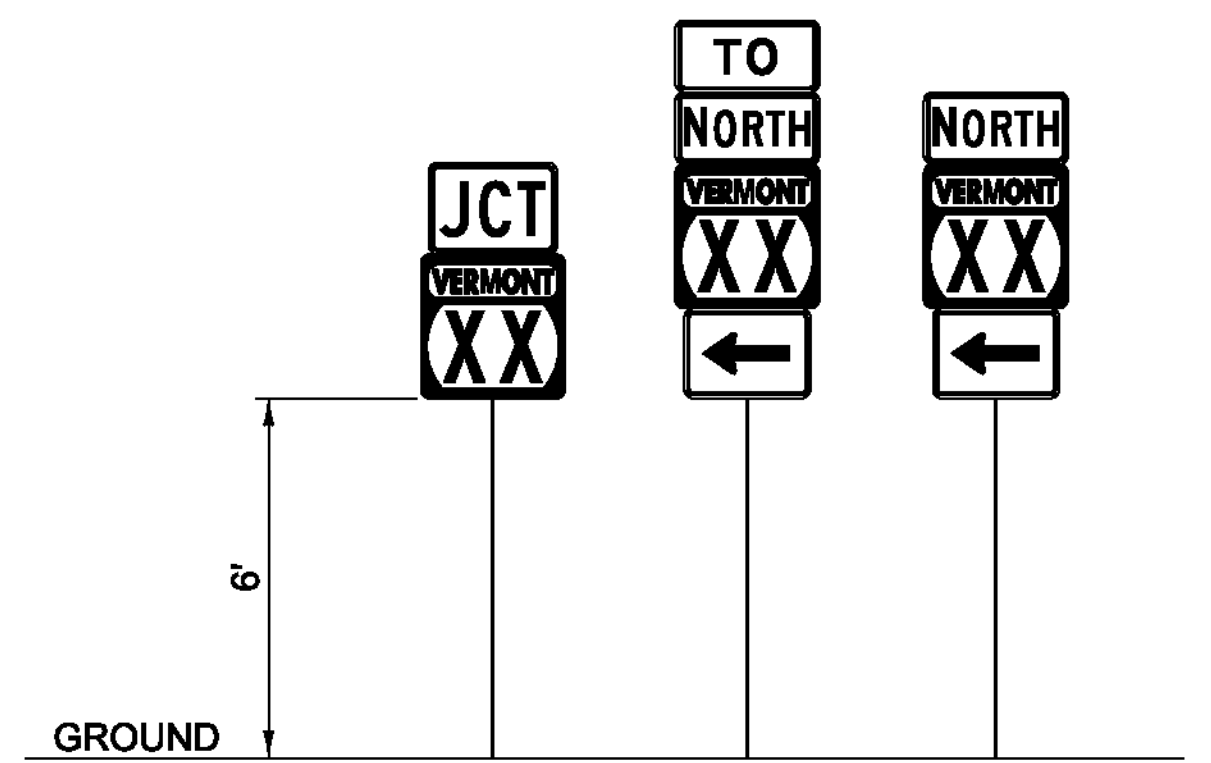
- SIDE ROAD STREET NAME SIGNS, COMMONLY INSTALLED PERPENDICULAR TO THE APPROACHING MAINLINE TRAFFIC, SHALL BE POSITIONED IN SUCH A WAY AS TO ENSURE THE BEST POSSIBLE VISIBILITY TO APPROACHING MAINLINE TRAFFIC FROM EACH DIRECTION. IN MOST CASES, STREET NAME SIGNS MAY BE INSTALLED ABOVE THE SIDE ROAD STOP SIGN. IN CASES WHERE THE SIDE ROAD STOP SIGN POSITION WOULD NOT BE SUITABLE FOR A TOP-MOUNTED STREET NAME SIGN, OR OTHER SITE-SPECIFIC CONSTRAINTS, THE STREET NAME SIGNS MAY BE INSTALLED INDEPENDENTLY ON EITHER CORNER OF THE INTERSECTION. THE STREET NAME SIGN(S) SHALL BE INSTALLED A MINIMUM OF SIX FEET FROM THE EDGE OF PAVEMENT FROM THE EDGE OF THE MAINLINE ROUTE TO THE NEAREST EDGE OF THE SIGN.
- STREET NAME SIGNS WITH A LENGTH EXCEEDING 42-INCHES SHALL BE INSTALLED ON TWO POSTS, UNLESS PROTECTED BY BARRIER. THIS TWO POST ASSEMBLY SHALL BE LATERALLY OFFSET A MINIMUM OF TWO FEET (IN THE DIRECTION OF THE MAINLINE TRAFFIC) FROM ANY OTHER SIGN POST; NO MORE THAN TWO POSTS SHALL OCCUPY AN EIGHT FOOT PATH.
- TOP-MOUNTED STREET NAME SIGNS SHALL REQUIRE 12-INCH MOUNTING BRACKETS. ALL MOUNTING HARDWARE IS INCIDENTAL TO PAY ITEM 675.20.
- IF EXISTING STREET NAME SIGNS ARE SALVAGED THEY SHALL BE RE-INSTALLED PER THE ABOVE NOTES OR AS DIRECTED BY THE ENGINEER.
- STREET NAME SIGNS FOR PRIVATE ROADS SHALL BE RETAINED, UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
- THE STOP SIGN SHALL BE INSTALLED ON THE DRIVER'S RIGHT. MAINTAIN MAXIMUM VISIBILITY. THE STOP SIGN DOES NOT HAVE TO BE ADJACENT TO THE STOP BAR.
- THE LEGAL LOAD LIMIT MAY VARY IN WEIGHT ACCORDING TO TOWN ORDINANCES. THE SIDE ROAD SPEED LIMIT MAY BE INSTALLED BELOW THE LEGAL LOAD LIMIT SIGN AS REQUIRED.

LEGAL LOAD LIMIT AND STOP SIGNS AT INTERSECTIONS WITH TOWN HIGHWAYS

* REDUCE SPACING 50 %
LINE THREE ALTERNATE - 16,000

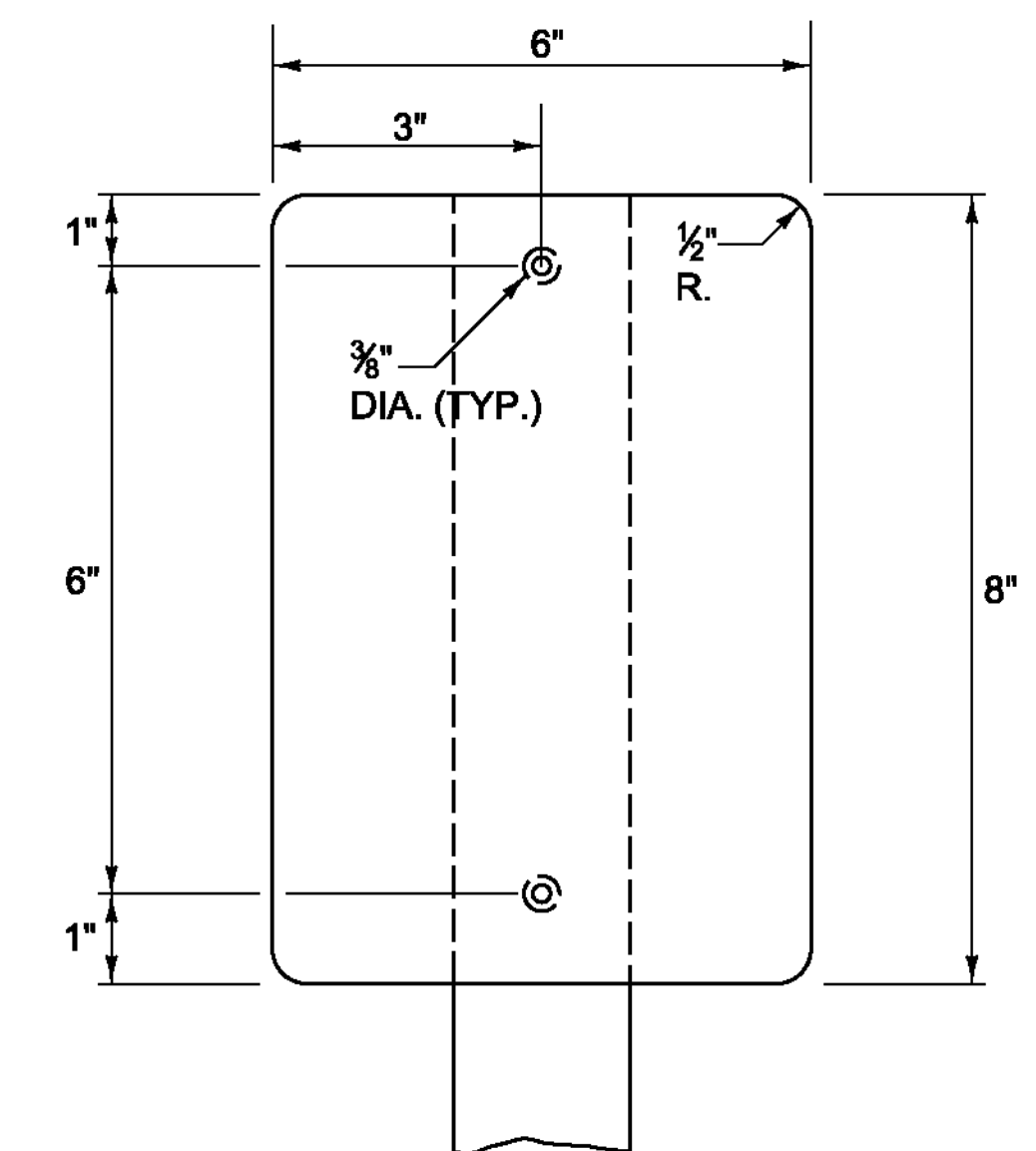
1.500" RADIUS, 0.625" BORDER, 0.375" INDENT
COLORS: BLACK ON WHITE
TEXT STYLE: "LEGAL LOAD" B; "LIMIT" C;
"24,000" C; "POUNDS" C

VR-017



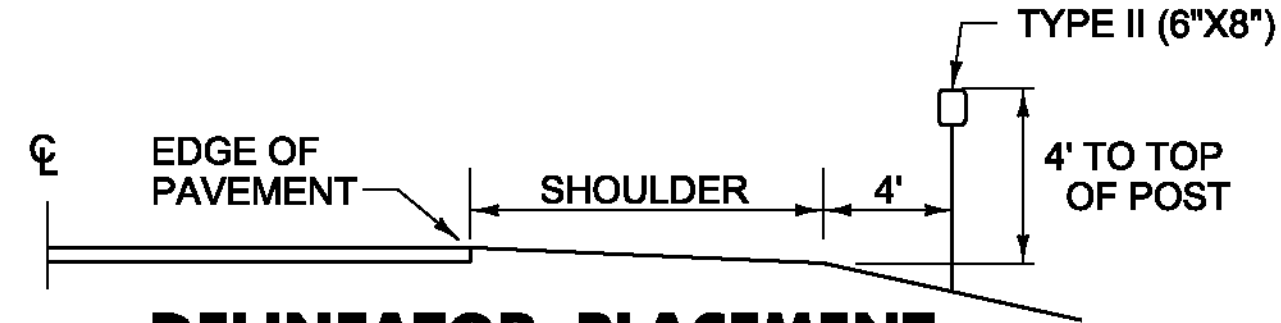
GUIDE SIGN PLACEMENT DETAIL

- NOTES:**
- IN ALL URBAN AREAS AND IN RURAL AREAS WHERE PARKING OR PEDESTRIAN TRAFFIC WILL OCCUR IN THE IMMEDIATE VICINITY OF THESE SIGNS, MINIMUM VERTICAL CLEARANCE SHALL BE INCREASED TO SEVEN FEET.

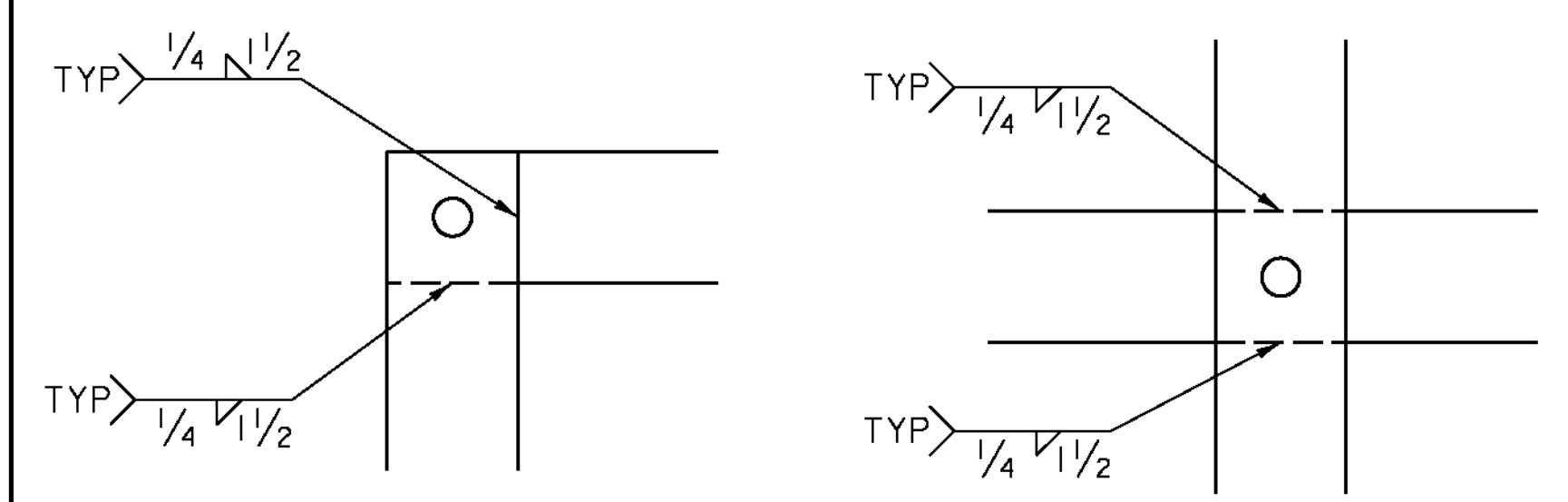


TYPE II (6"x8") DELINEATOR
BACK-TO-BACK WHITE DELINEATORS WITH RETROREFLECTIVE SHEETING

- NOTES:**
- MATERIAL FOR DELINEATORS SHALL BE A 0.063" ALUMINUM BACKING WITH A WHITE ASTM D 4956 TYPE III OR TYPE IV RETROREFLECTIVE SHEETING.
 - ALL TYPE II (6"x8") DELINEATOR POSTS SHALL BE 1.75" SQUARE STEEL WITH A 12 GAGE ANCHOR, WITH AN ANCHOR REVEAL OF TWO INCHES.
 - DELINEATOR POSTS SHALL HAVE A MINIMUM EMBEDMENT OF 2'-6" IN THE GROUND.
 - ALL WORK ASSOCIATED WITH TYPE II (6"x8") DELINEATORS SHALL BE PAID FOR UNDER CONTRACT ITEM 676.10 DELINEATOR WITH STEEL POST.



DELINEATOR PLACEMENT

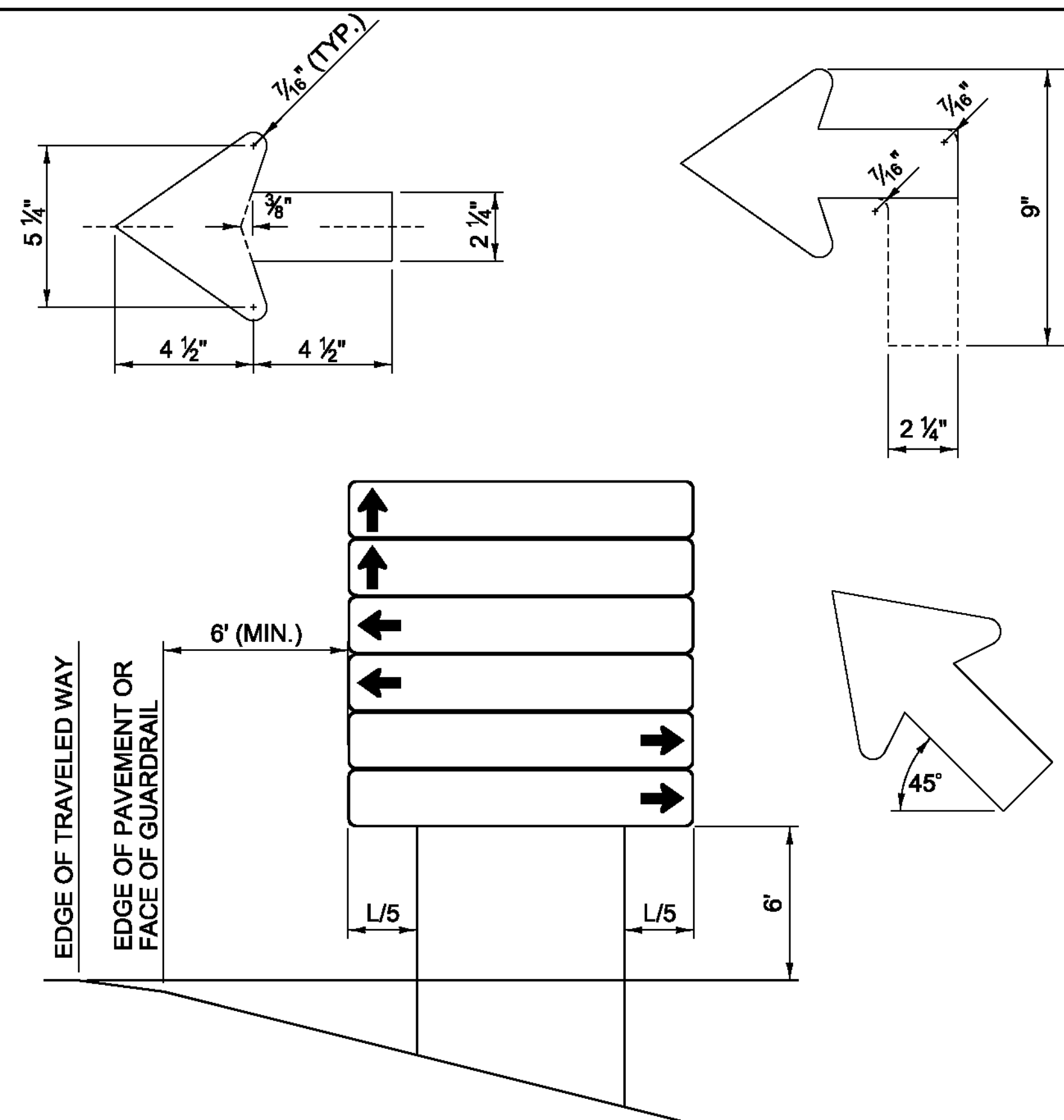


WELDING DETAILS

- NOTES:**
- TYPE 1A FRAME ASSEMBLY TO BE USED WITH TWO 24 INCH WIDE SIGN COLUMNS.
 - TYPE 1B FRAME ASSEMBLY TO BE USED WITH ONE 24 INCH WIDE SIGN COLUMN AND ONE 30 INCH WIDE SIGN COLUMN.
 - TYPE 1C FRAME ASSEMBLY TO BE USED WITH TWO 30 INCH WIDE SIGN COLUMNS.
 - TYPE 2A FRAME ASSEMBLY TO BE USED WITH TWO 24 INCH WIDE SIGN COLUMNS.
 - TYPE 2B FRAME ASSEMBLY TO BE USED WITH ONE 24 INCH WIDE SIGN COLUMN AND ONE 30 INCH WIDE SIGN COLUMN.
 - TYPE 2C FRAME ASSEMBLY TO BE USED WITH TWO 30 INCH WIDE SIGN COLUMNS.
 - TYPE 3A FRAME ASSEMBLY TO BE USED WITH THREE 24 INCH WIDE SIGN COLUMNS.
 - TYPE 3B FRAME ASSEMBLY TO BE USED WITH TWO 24 INCH WIDE SIGN COLUMNS AND ONE 30 INCH WIDE SIGN COLUMN, WITH THE 30 INCH SIGN COLUMN IN AN OUTSIDE POSITION.
 - TYPE 3C FRAME ASSEMBLY TO BE USED WITH ONE 24 INCH WIDE SIGN COLUMN IN THE CENTER AND TWO 30 INCH SIGN COLUMNS ON THE OUTSIDE OR ONE 30 INCH SIGN COLUMN IN THE CENTER AND TWO 24 INCH SIGN COLUMNS ON THE OUTSIDE.
 - TYPE 3D FRAME ASSEMBLY TO BE USED WITH THREE 30 INCH WIDE SIGN COLUMNS.
 - ALL HOLES SHALL BE 7/16 INCH DIAMETER.
 - FOR SIGN COMBINATIONS OTHER THAN ABOVE, THE FRAME DIMENSIONS AND HOLE SPACING SHALL BE MODIFIED AS NECESSARY.
 - STANDARD FRAMES SHALL BE CONSTRUCTED OF 5/16 INCH BY 1 1/2 INCH STEEL MEETING THE REQUIREMENTS OF AASHTO M 270/M 270, GRADE 250 (GRADE 36).
 - SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SECTION 2D.29 FOR INSTALLATION SEQUENCE.
 - ALL DIMENSIONS SHOWN IN INCHES, UNLESS OTHERWISE NOTED.

PROJECT NAME:	STATEWIDE SOUTHEAST REGION	PLOT DATE:	1/3/2014
PROJECT NUMBER:	STP HRRR(18)	DRAWN BY:	N. PATTIS
FILE NAME:	I3k034wrk.dgn	CHECKED BY:	B. GROSE
PROJECT LEADER:	P. COBURN	SHEET	4 OF 34
DESIGNED BY:	N. PATTIS	GENERAL SIGN DETAIL SHEET I	

DESTINATION BOARD DETAILS



D-BOARD INSTALLATION DETAIL

D-BOARD NOTES:

1. SIGN SUBSTRATE MATERIAL SHALL BE ALUMINUM SHEETING 0.125 INCHES MINIMUM THICKNESS.
2. ALL SIGNS SHALL BE 72 INCH BY 12 INCH WITH CORNERS ROUNDED TO A 1 1/2 INCH RADIUS, UNLESS OTHERWISE NOTED.
3. SIGNS SHALL HAVE A 3/8 INCH WIDE BORDER ROUNDED TO A 1 1/2 INCH RADIUS.
4. SIGNS SHALL BE WHITE RETROREFLECTIVE LEGEND ON A GREEN RETROREFLECTIVE BACKGROUND, BOTH SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 268 ["AMERICAN SOCIETY FOR TESTING AND MATERIALS" (ASTM) D 4956] TYPE III.
5. LEGEND SHALL BE CENTERED VERTICALLY.
6. LEGEND SHALL BE LOWER CASE WITH THE FIRST LETTERS CAPITALIZED.
7. TEXT SIZE AND SERIES SHALL BE SIZED IN THIS ORDER UNTIL THE LEGEND FITS (EACH CAN BE REDUCED TO 80% SPACING):
6C; 6B; 5C; 5B; 4C; 4B.
8. SEQUENCE OF ARROWS TO BE AS SHOWN, TOP TO BOTTOM.
9. SIGNS SHALL BE LIMITED TO TWO PER DIRECTION PER INSTALLATION WITH A MAXIMUM OF SIX SIGNS.
10. ALL DIMENSIONS IN INCHES, UNLESS OTHERWISE NOTED.

PROJECT NAME:	STATEWIDE SOUTHEAST REGION
PROJECT NUMBER:	STP HRRR(18)
FILE NAME:	I3k034wrk.dgn
PROJECT LEADER:	P. COBURN
DESIGNED BY:	N. PATTIS
GENERAL SIGN DETAIL SHEET 2	
PLOT DATE:	1/3/2014
DRAWN BY:	N. PATTIS
CHECKED BY:	B. GROSE
SHEET	5 OF 34

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

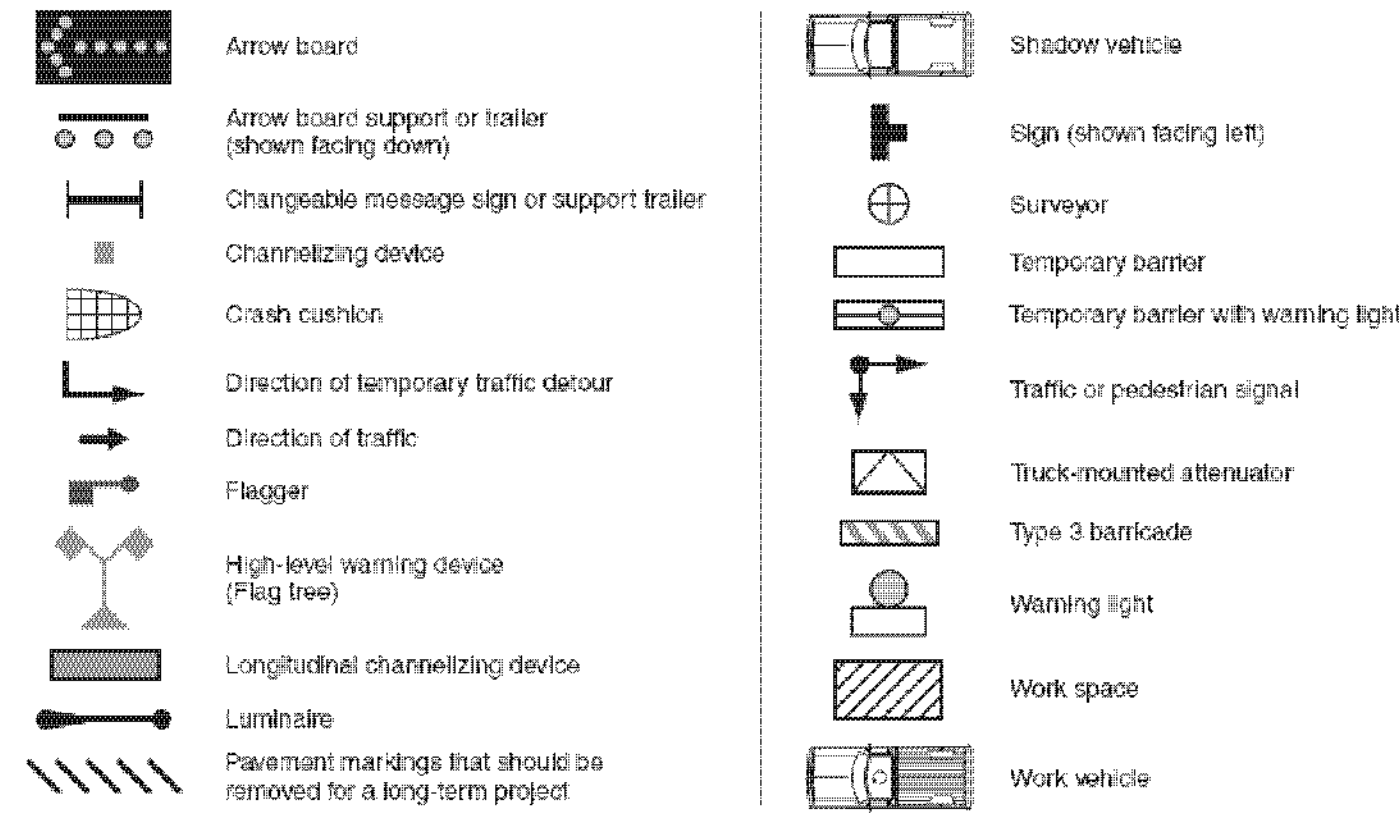


Figure 6F-7. Channelizing Devices

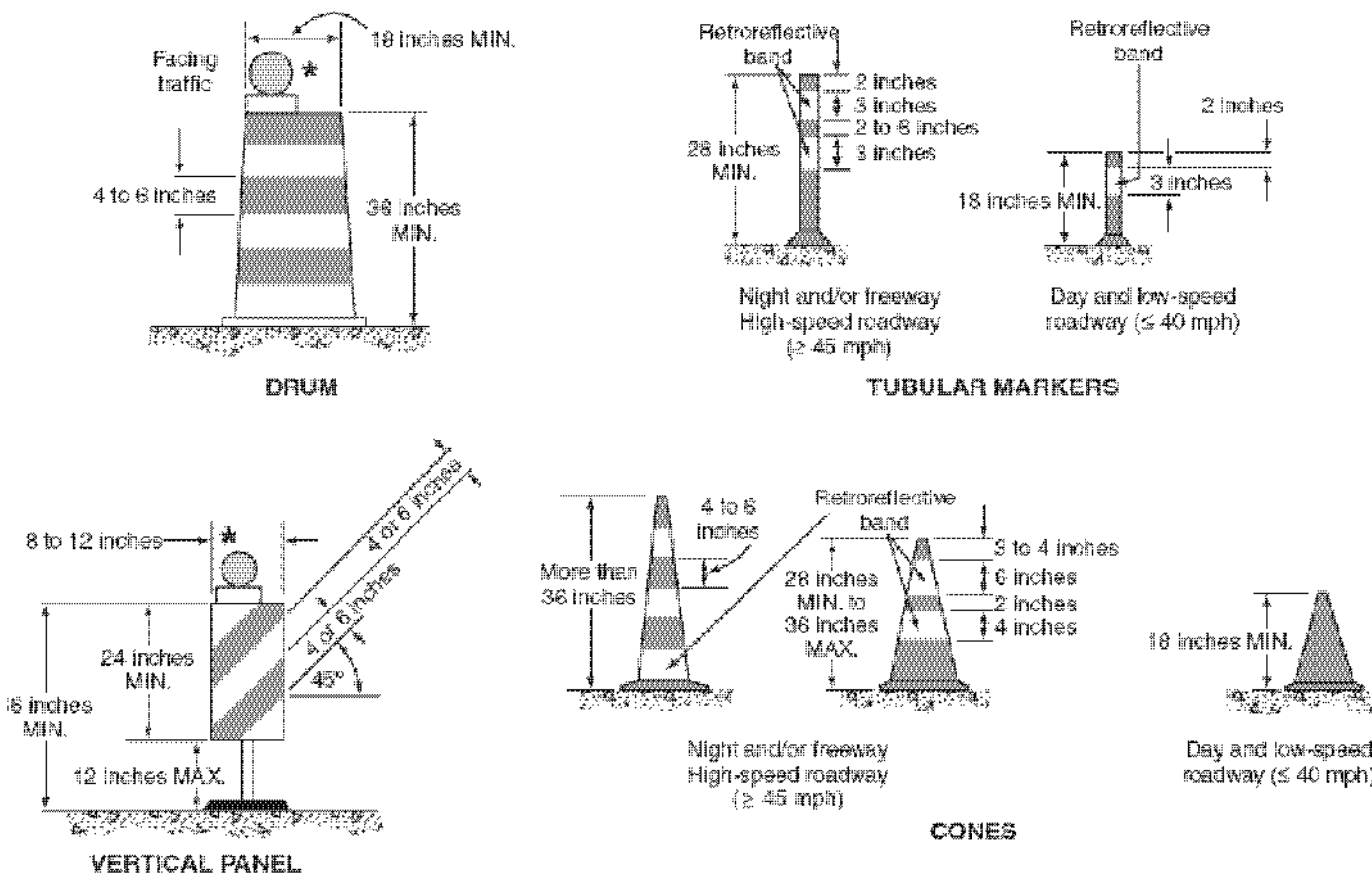


Figure 6C-2. Types of Tapers and Buffer Spaces

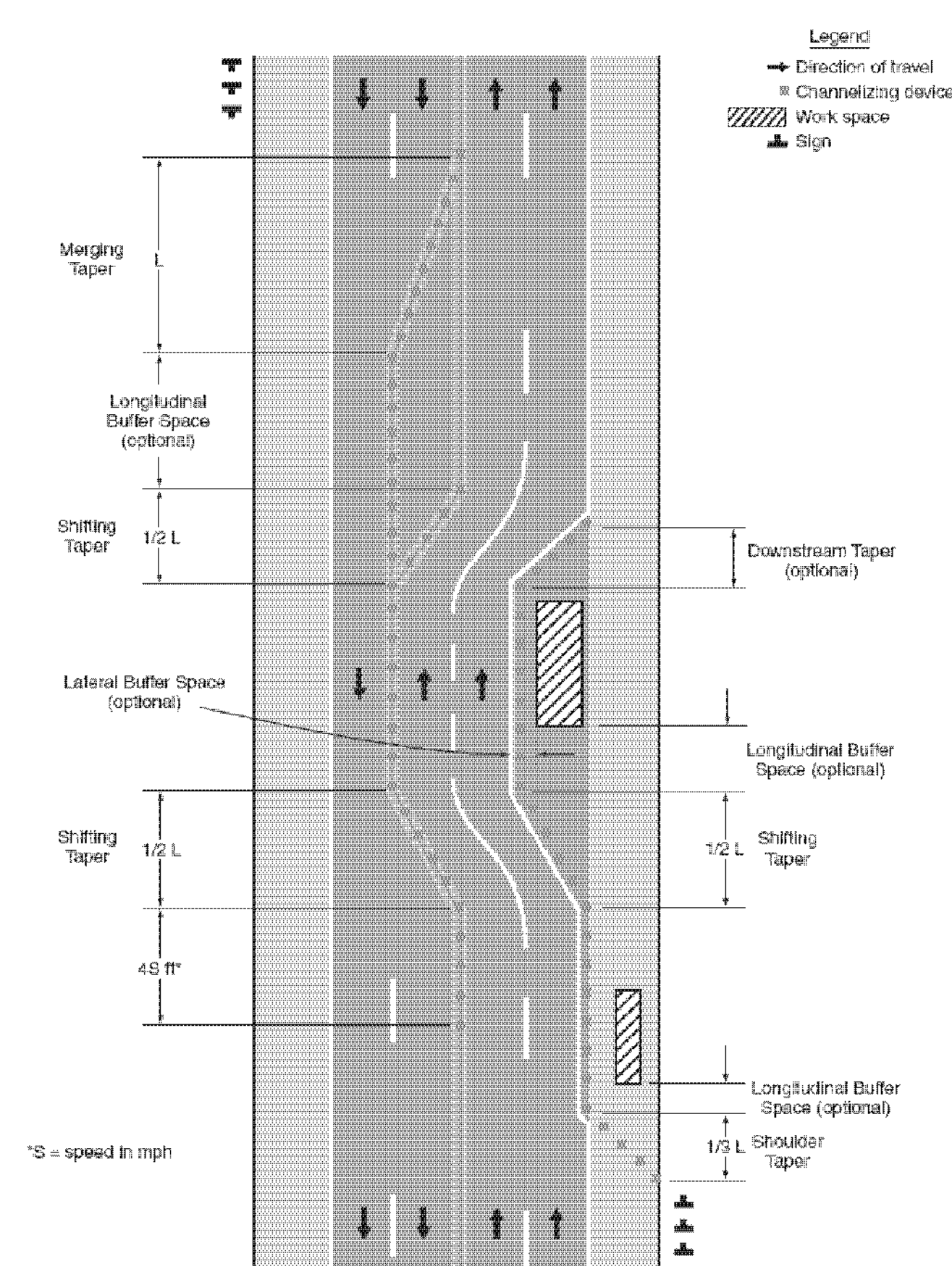


Figure 6H-1. Work Beyond the Shoulder (TA-1)

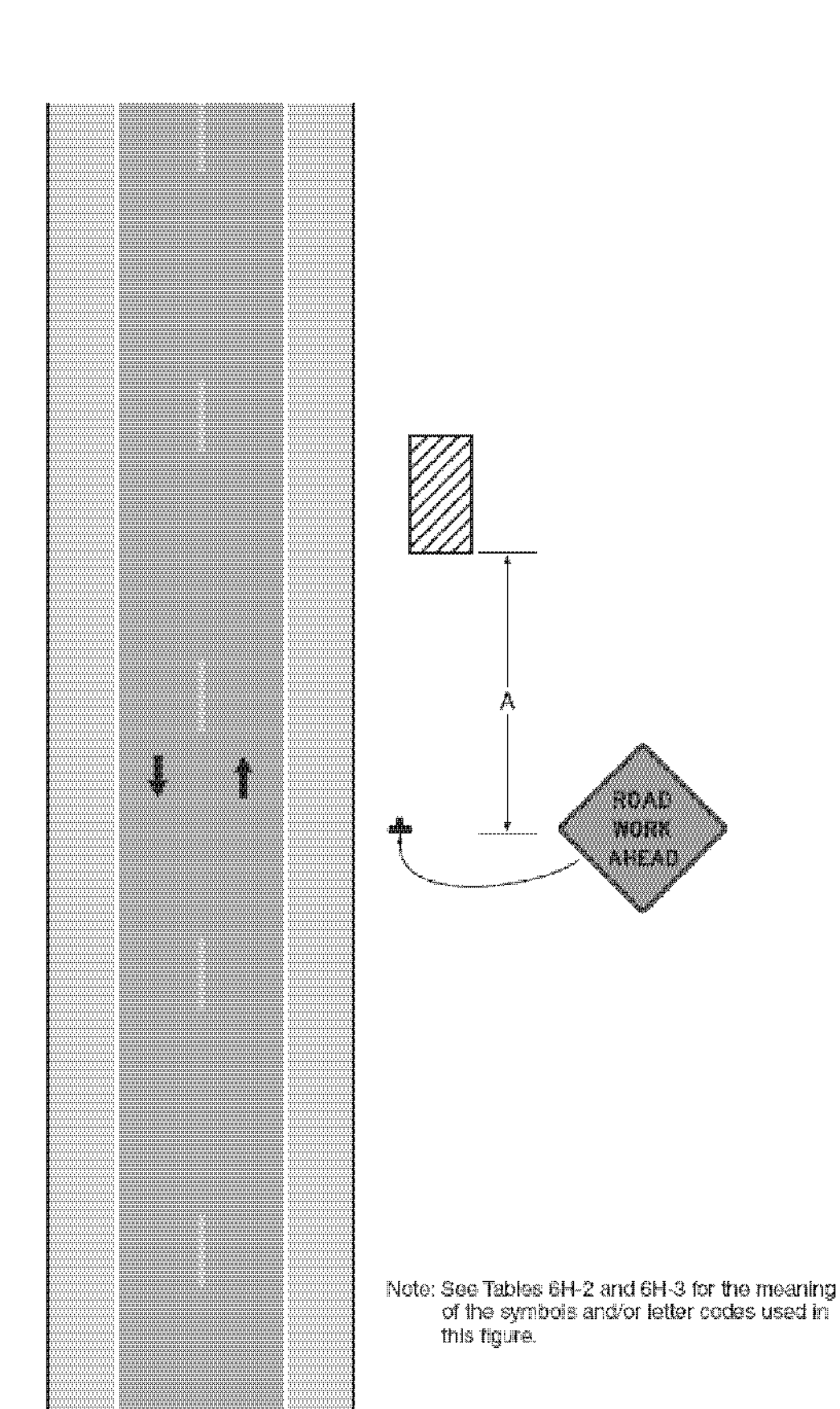
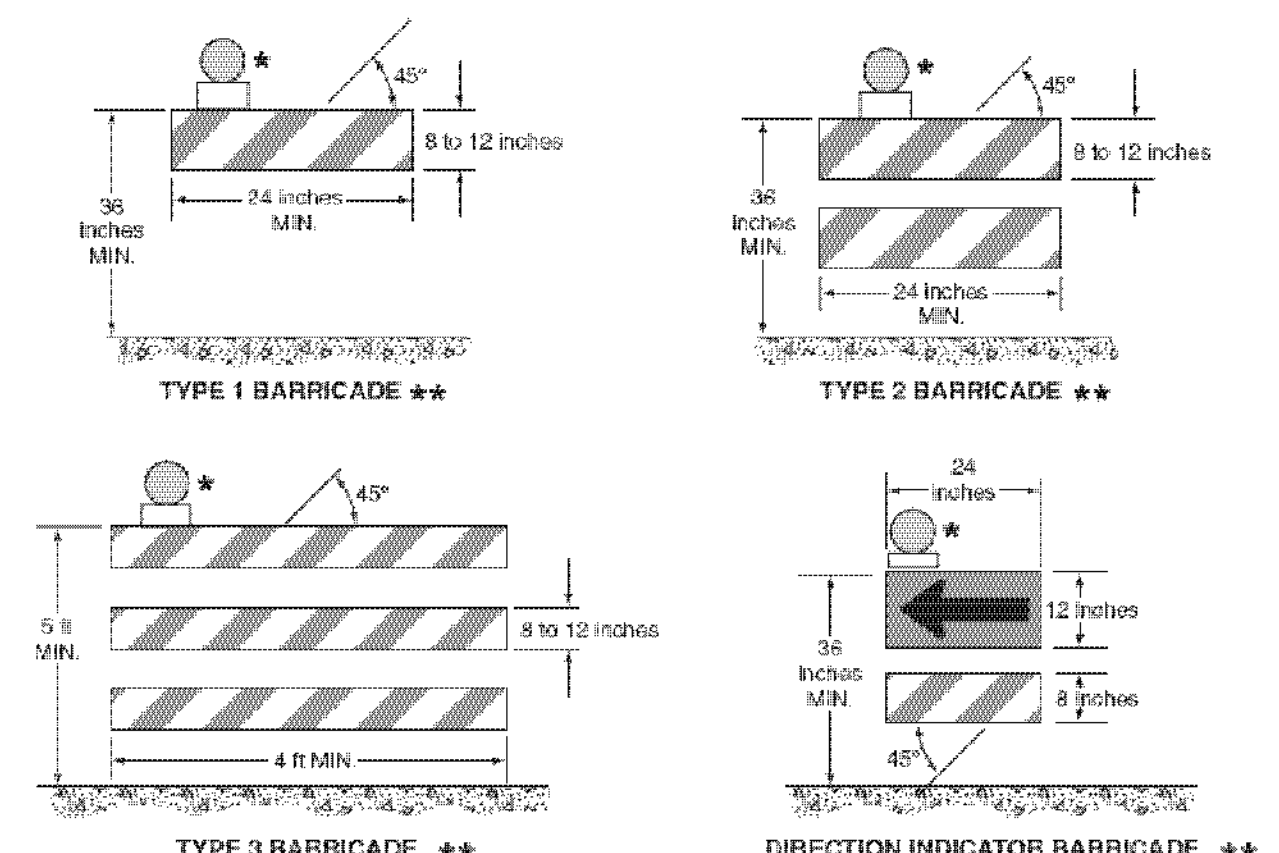
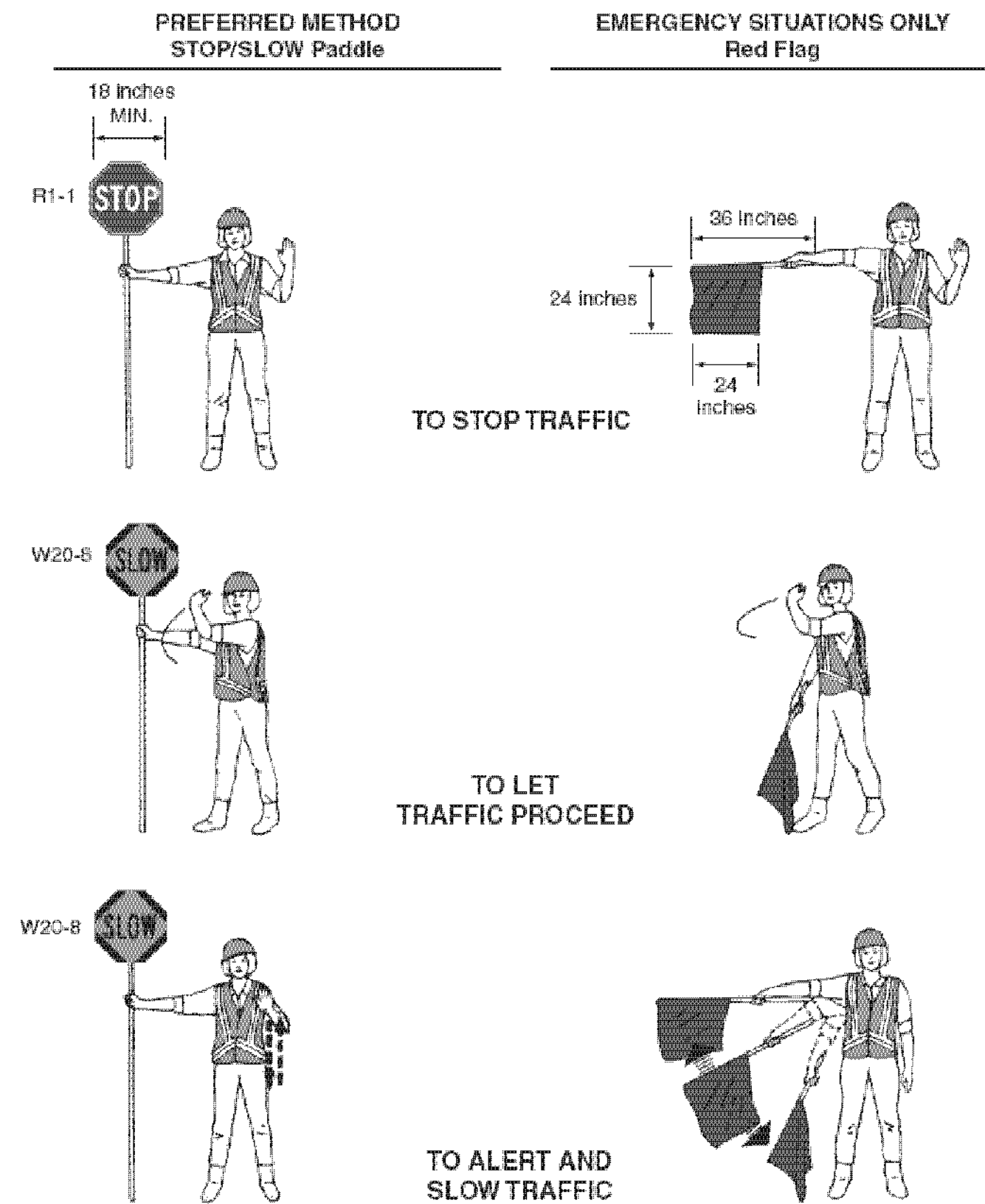


Figure 6E-3. Use of Hand-Signaling Devices by Flaggers



* Warning lights (optional)
 ** Rail stripe widths shall be 6 inches, except that 4-inch wide stripes may be used if rail lengths are less than 36 inches. The sides of barricades facing traffic shall have retroreflective rail faces.

Table 6C-3. Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Merging Taper	at least L
Shifting Taper	at least 0.5 L
Shoulder Taper	at least 0.33 L
One-Lane, Two-Way Traffic Taper	50 feet minimum, 100 feet maximum
Downstream Taper	50 feet minimum, 100 feet maximum

Notes: Use Table 6C-4 to calculate L

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

* Speed category to be determined by highway agency
 ** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6C-2. Stopping Sight Distance as a Function of Speed

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

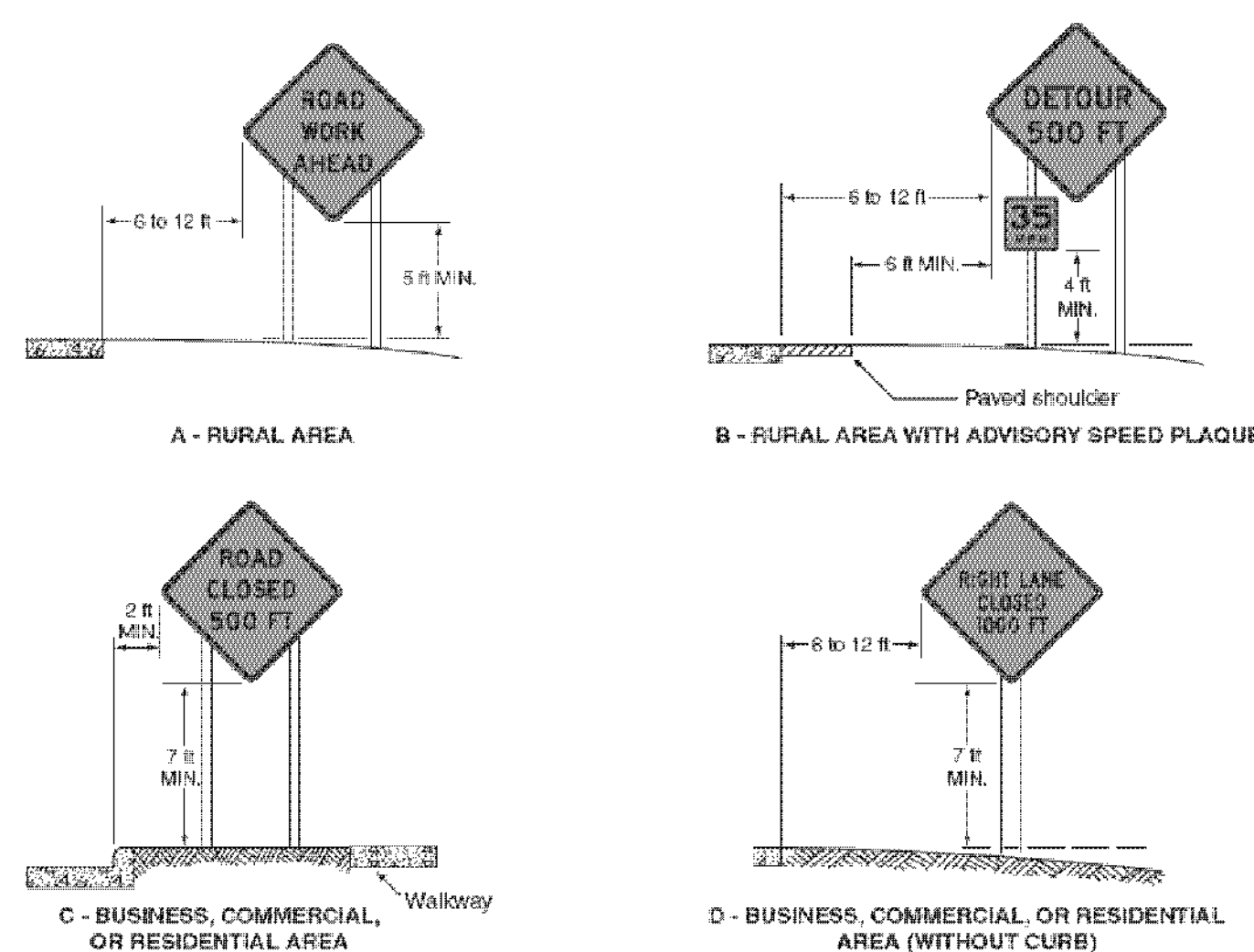
* Posted speed, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed

Table 6C-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
 W = width of offset in feet
 S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Figure 6F-1. Height and Lateral Location of Signs—Typical Installations



TEMPORARY TRAFFIC CONTROL NOTES

- TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THESE PROJECT PLANS, APPLICABLE VTRANS E-SERIES AND T-SERIES STANDARD DRAWINGS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2008, AND ITS LATEST REVISIONS, OR AS DIRECTED BY THE ENGINEER. WHERE CONFLICTS EXIST, THE MUTCD SHALL GOVERN. IF THE CONTRACTOR DOES NOT WISH TO FOLLOW THE TEMPORARY TRAFFIC CONTROL PROVIDED, CONTRACTOR MAY SUBMIT AN ALTERNATE PROPOSAL IN ACCORDANCE WITH SUBSECTION 641.02.
- WHEN WORKING IN THE VICINITY OF EXISTING PEDESTRIAN FACILITIES, ADA PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED AT ALL TIMES. PAYMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONTRACT ITEM 641.10 TRAFFIC CONTROL.
- THE CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL CONDUCT THE WORK AT ALL TIMES IN SUCH A MANNER AND IN SUCH SEQUENCE SO AS TO ENSURE THE LEAST INTERFERENCE WITH TRAFFIC OCCURS.
- SIGNS SHALL ONLY BE VISIBLE TO THE MOTORIST WHEN THE MESSAGE IS PERTINENT, I.E. A "FLAGGER AHEAD" SIGN SHALL ONLY BE VISIBLE TO THE MOTORIST WHEN THE FLAGGER IS ACTUALLY PRESENT PERFORMING THEIR DUTIES.
- PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER CONTRACT ITEM 641.10.
- SIGNS SHALL BE MOVED AS WORK AREA MOVES. AT NO TIME SHALL THE FLAGGER SIGN BE GREATER THAN 750 FEET IN ADVANCE OF THE FLAGGER STATION.

PROJECT NAME: STATEWIDE SOUTHEAST REGION
 PROJECT NUMBER: STP HRRR(18)
 FILE NAME: I3k034wrk.dgn
 PROJECT LEADER: P. COBURN
 DESIGNED BY: N. PATTIS
 TRAFFIC CONTROL SHEET 1
 PLOT DATE: 1/3/2014
 DRAWN BY: N. PATTIS
 CHECKED BY: B. GROSE
 SHEET 6 OF 34

Figure 6H-3. Work on the Shoulders (TA-3)

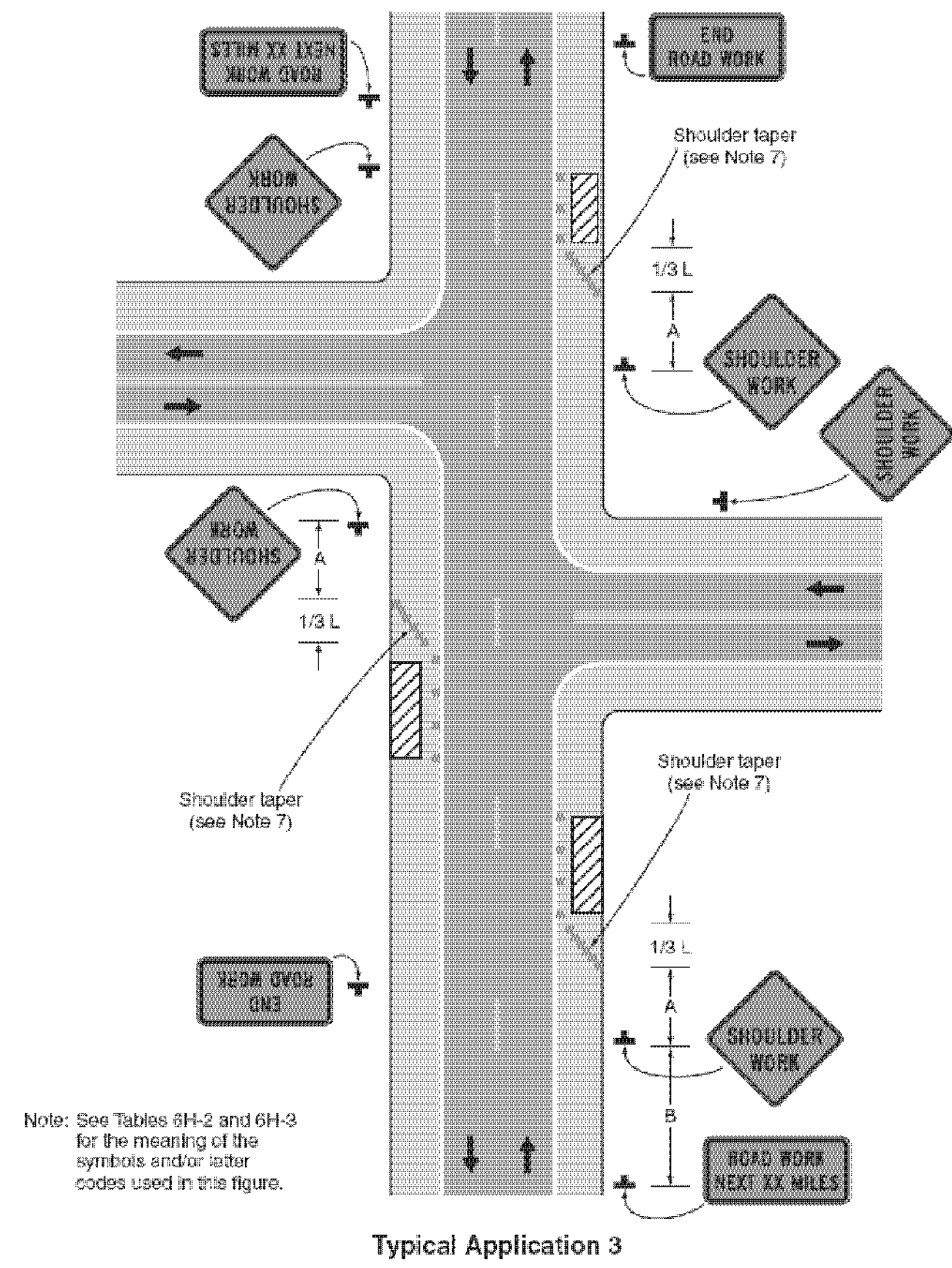


Figure 6H-4. Short-Duration or Mobile Operation on a Shoulder (TA-4)

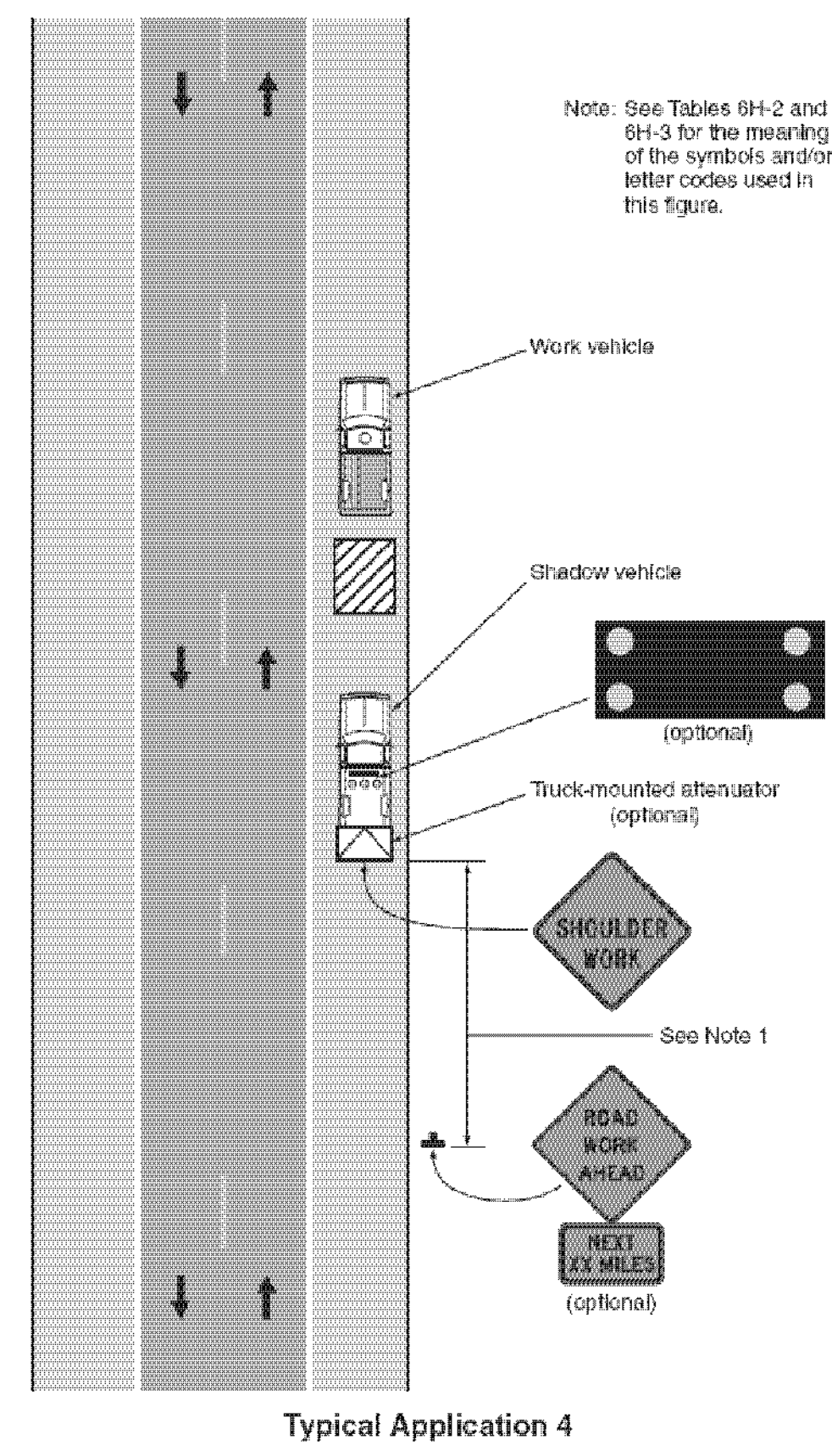


Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)

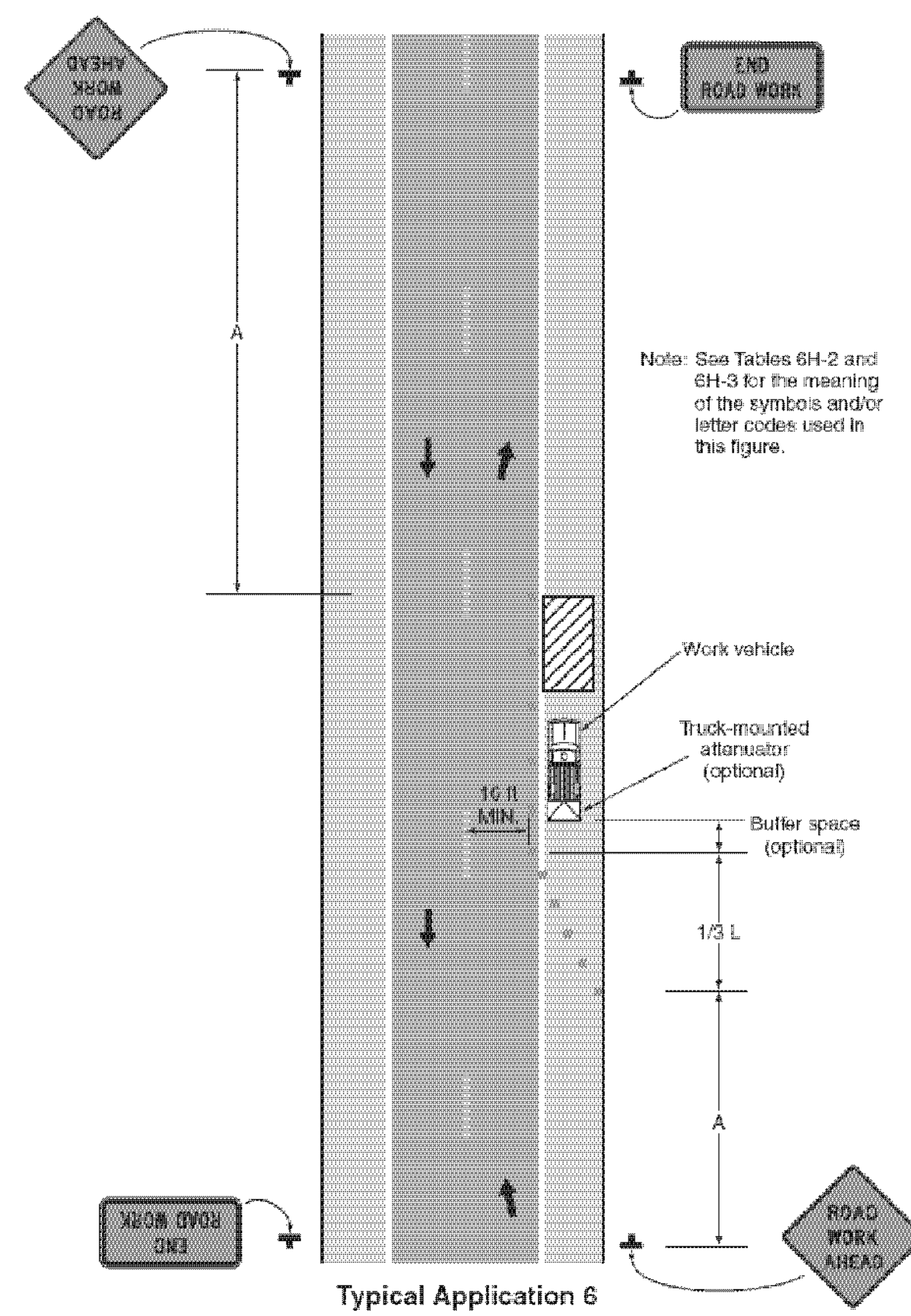
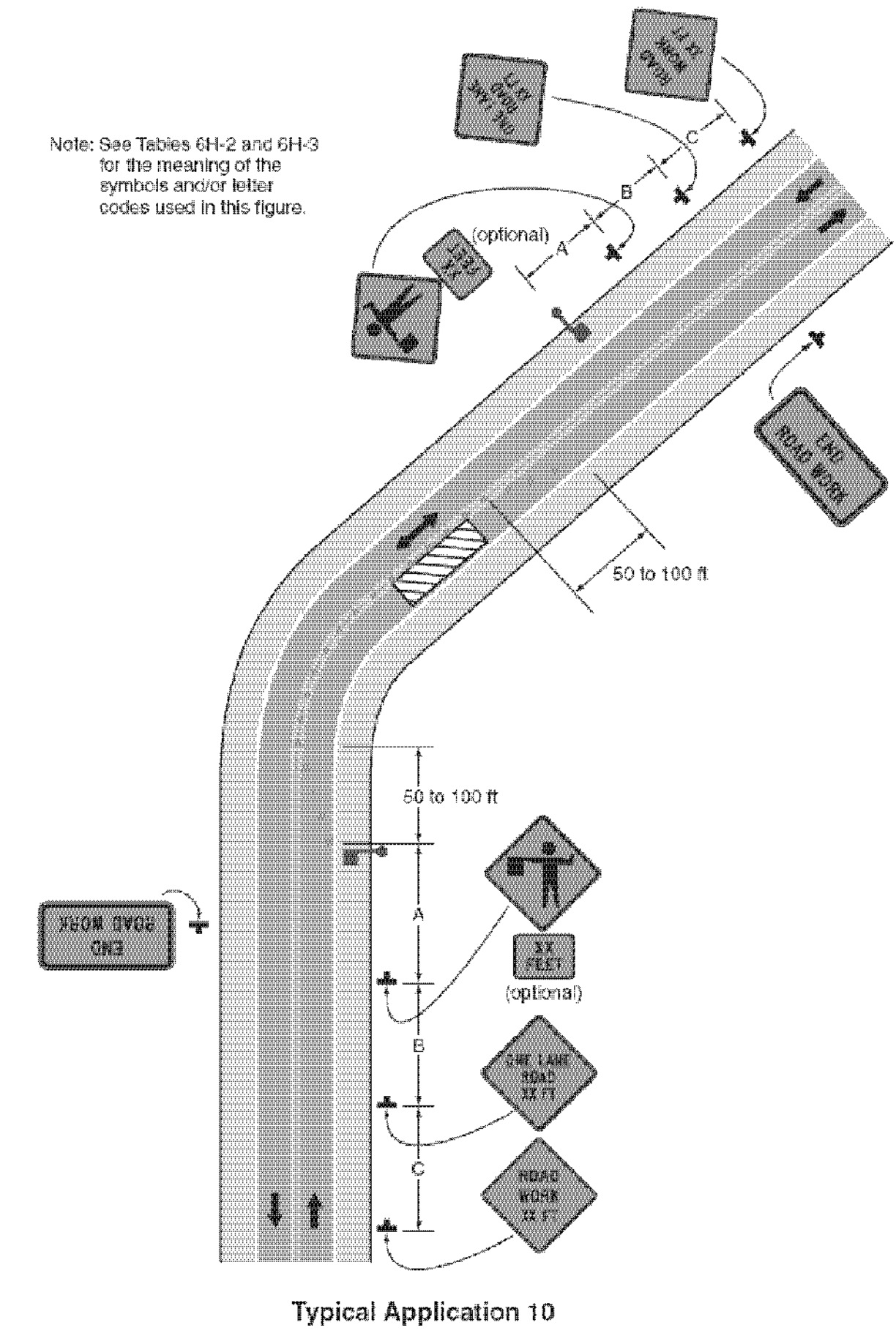
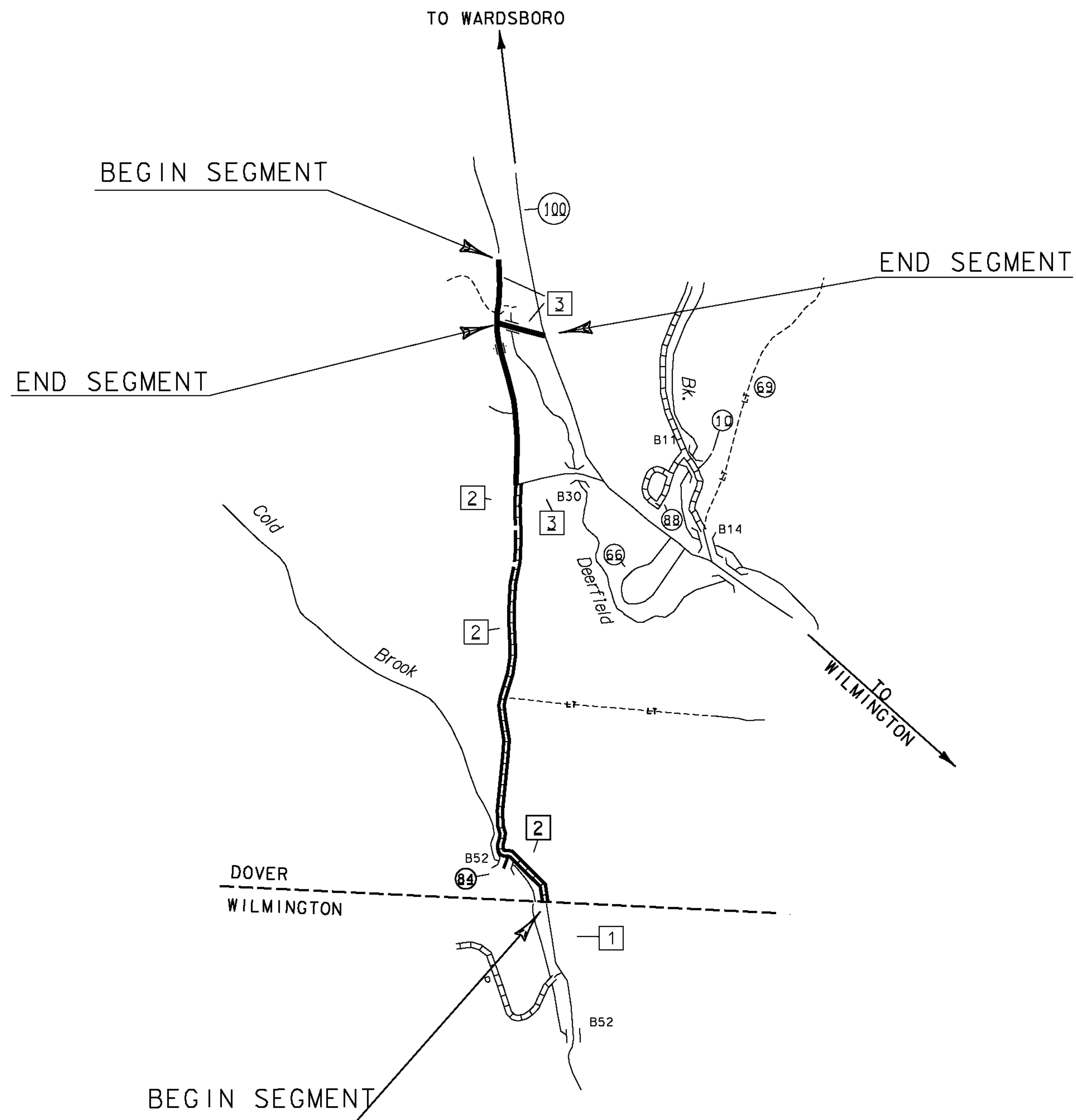


Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)



PROJECT NAME:	STATEWIDE SOUTHEAST REGION
PROJECT NUMBER:	STP HRRR(18)
FILE NAME:	I3K034wrk.dgn
PROJECT LEADER:	P. COBURN
DESIGNED BY:	N. PATTIS
TRAFFIC CONTROL SHEET 2	
PLOT DATE:	1/3/2014
DRAWN BY:	N. PATTIS
CHECKED BY:	B. GROSE
	SHEET 7 OF 34

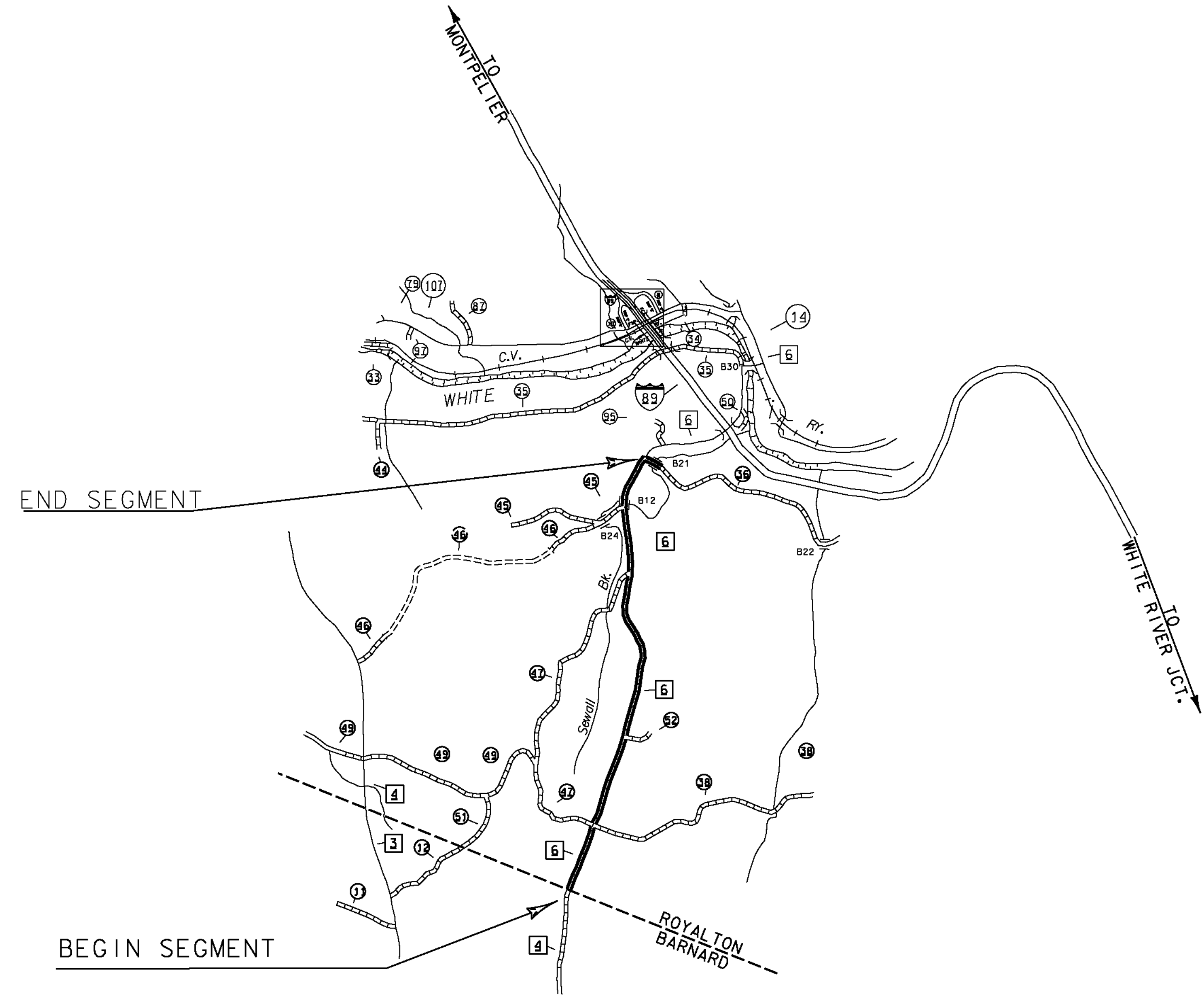
DOVER HANDLE ROAD



BEGINNING AT THE WILMINGTON/DOVER TOWN LINE ON HANDLE ROAD (TH-2) IN THE TOWN OF DOVER, DESIGNATING THIS AS MILE POINT 0.000 AND EXTENDING NORTHERLY ALONG HANDLE ROAD (TH-2) IN THE TOWN OF DOVER FOR 2.717 MILES TO A POINT 0.032 MILES NORTH OF POLE # NET/ 7 / GMP/ 40 (MM 2.685) TO END THIS SEGMENT OF THE PROJECT.

ON ANOTHER ROAD, BEGINNING AT TELEPHONE POLE # 36 1/2 ON SOUTH ACCESS ROAD (TH-3) IN THE TOWN OF DOVER AND DESIGNATING THIS AS MILE POINT 0.000 EXTENDING EASTERLY 0.093 MILES ALONG SOUTH ACCESS ROAD (TH-3) TO A POINT AT POLE # GMP/42/19957/CC (MM 0.093) TO END THIS SEGMENT OF THE PROJECT.

ROYALTON ROYLATON HILL ROAD

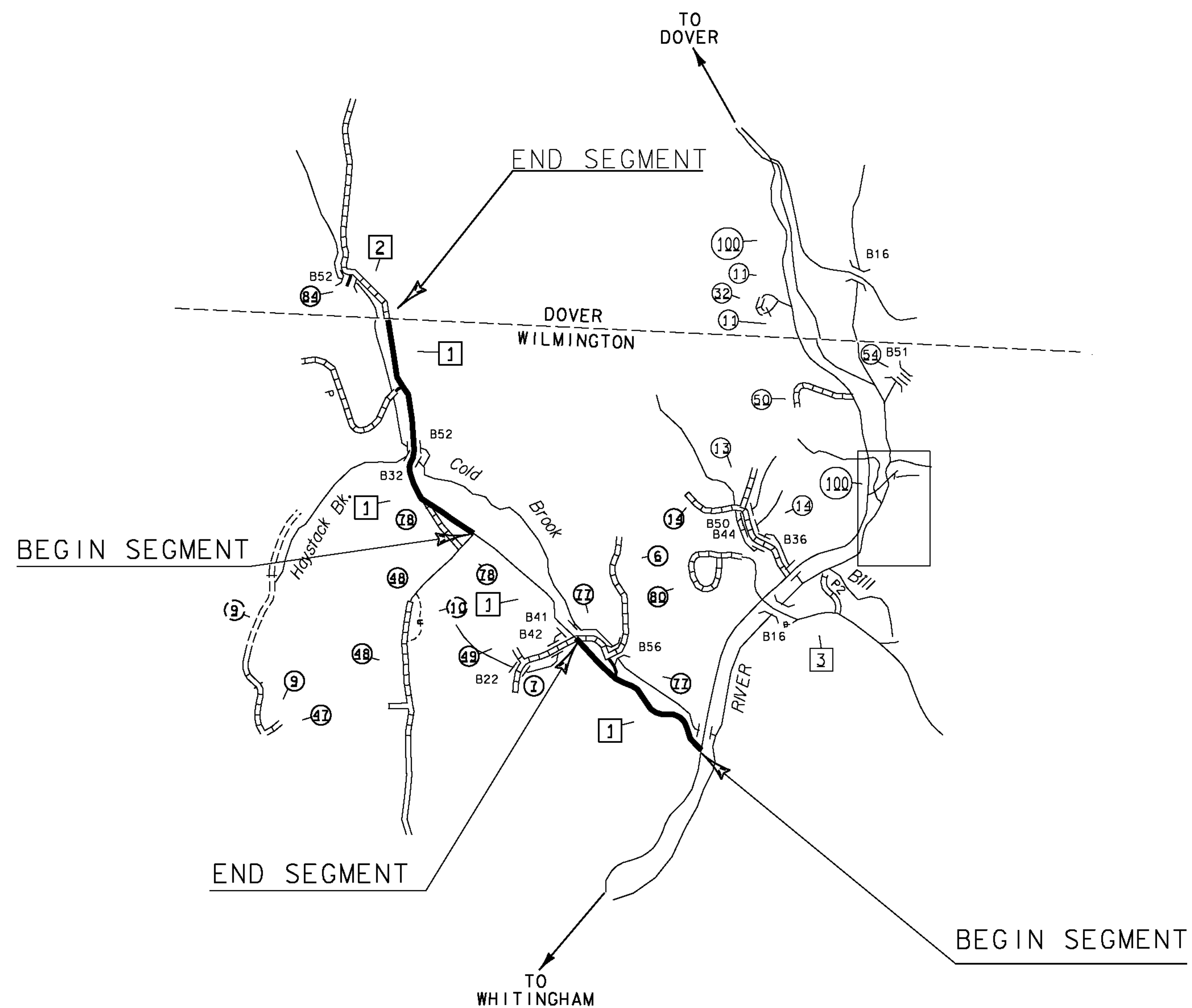


BEGINNING AT THE BARNARD/ROYALTON TOWN LINE DESIGNATING THIS POINT AS MILE POINT 0.000 AND EXTENDING NORTHERLY ALONG ROYALTON HILL ROAD (TH-6) IN THE TOWN OF ROYALTON FOR 3.010 MILES TO A POINT AT POLE # NET/15S AND POLE # 15 / 18 (MM 3.010) TO END THIS SEGMENT OF THE PROJECT.

ON ANOTHER ROAD, BEGINNING AT THE INTERSECTION OF ROYALTON HILL ROAD (TH-6) AND BACK RIVER ROAD (TH-36) IN THE TOWN OF ROYALTON DESIGNATING THIS AS MILE POINT 0.000 AND EXTENDING EASTERLY 0.097 MILES ALONG BACK RIVER ROAD (TH-36) TO A POINT AT MAIL BOX # 2952 (MM 0.097) TO END THIS SEGMENT OF THE PROJECT.

PROJECT NAME: STATEWIDE SOUTHEAST REGION	
PROJECT NUMBER: STP HRRR(18)	
FILE NAME: I3K034wrk.dgn	PLOT DATE: 1/3/2014
PROJECT LEADER: P. COBURN	DRAWN BY: N. PATTIS
DESIGNED BY: N. PATTIS	CHECKED BY: B. GROSE
SITE MAPS SHEET 1	SHEET 8 OF 34

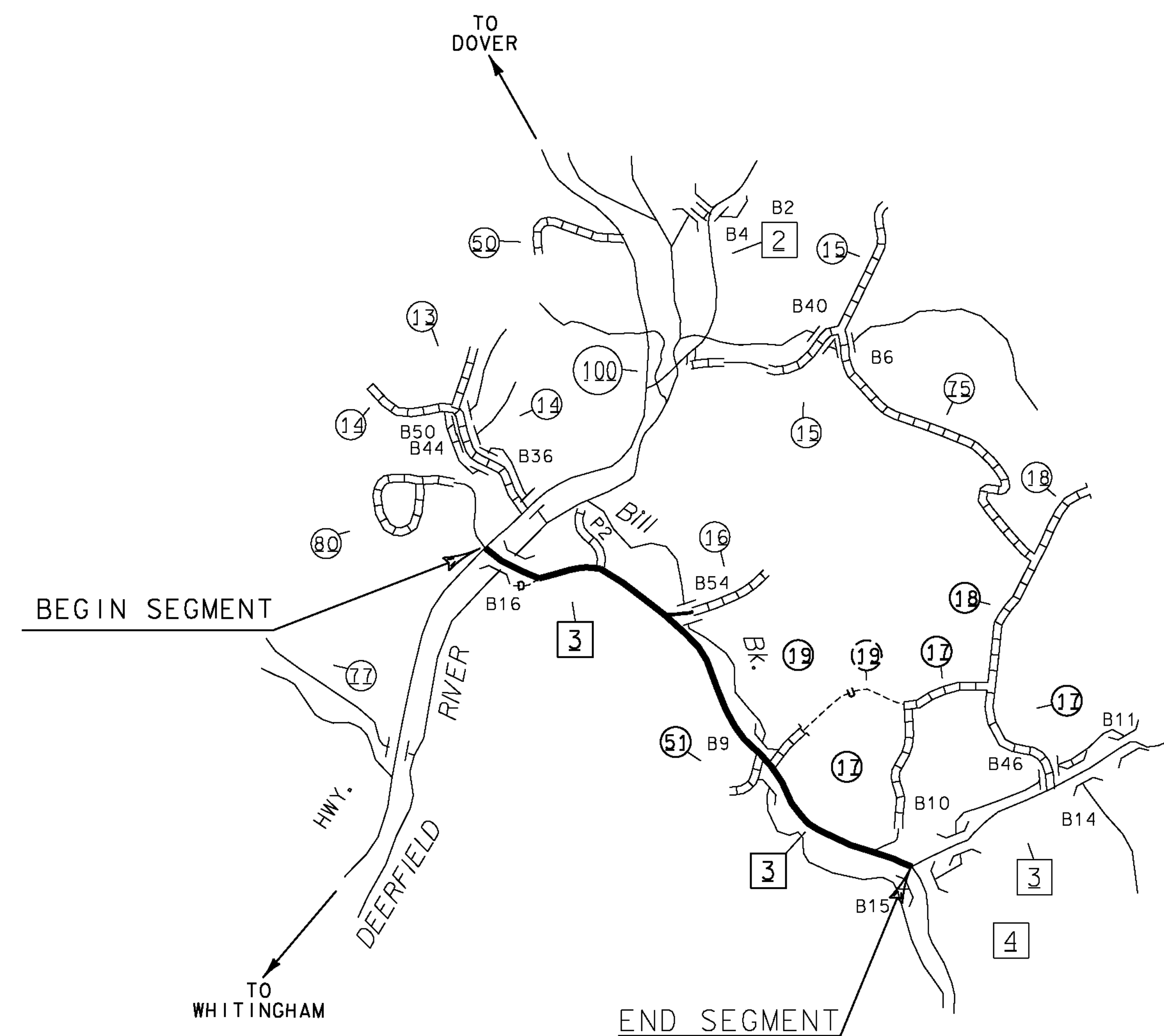
WILMINGTON
COLDBROOK ROAD



BEGINNING AT THE INTERSECTION OF COLDBROOK ROAD (TH-1) AND VT ROUTE 100 IN THE TOWN OF WILMINGTON DESIGNATING WHERE THE CENTERLINE OF EACH OF THESE ROADS INTERSECTS AS MILE POINT 0.000 AND EXTENDING NORTHERLY ALONG COLDBROOK ROAD (TH-1) FOR A DISTANCE OF 0.737 MILES TO A POINT 0.163 MILES NORTH OF POLE # NET/15/GMP/1 (MM 0.574) TO END THIS SEGMENT OF THE PROJECT.

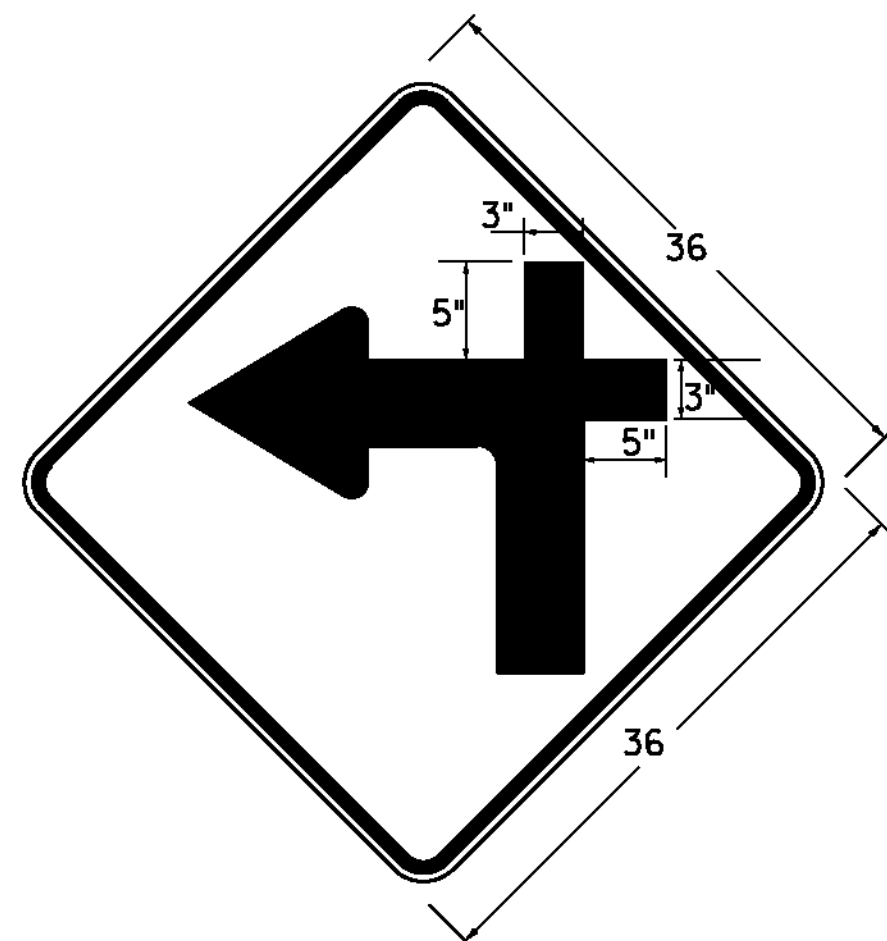
ALSO, BEGINNING AT POLE # NET/36/GMP/47 MM (1.739) ON COLDBROOK ROAD (TH-1) IN THE TOWN OF WILMINGTON AND EXTENDING NORTHERLY 0.991 MILES TO MM (2.730) AT A POINT 0.425 MILES NORTH OF POLE # 47/GMP/60 (MM 2.305) TO END THIS SEGMENT OF THE PROJECT.

WILMINGTON
HIGLEY HILL ROAD



BEGINNING AT THE INTERSECTION OF HIGLEY HILL ROAD (TH-3) AND VT ROUTE 100 IN WILMINGTON DESIGNATING WHERE THE CENTERLINE OF EACH OF THESE ROADS INTERSECTS AS MILE POINT 0.000 AND EXTENDING EASTERLY ALONG HIGLEY HILL ROAD (TH-3) FOR A DISTANCE OF 1.923 MILES TO A POINT ADJACENT TO POLE # 53 (MM 1.923) TO END THIS SEGMENT OF THE PROJECT.

PROJECT NAME:	STATEWIDE SOUTHEAST REGION
PROJECT NUMBER:	STP HRRR(18)
FILE NAME:	I3K034wrk.dgn
PROJECT LEADER:	P. COBURN
DESIGNED BY:	N. PATTIS
SITE MAPS SHEET 2	
PLOT DATE:	1/3/2014
DRAWN BY:	N. PATTIS
CHECKED BY:	B. GROSE
SHEET	9 OF 34



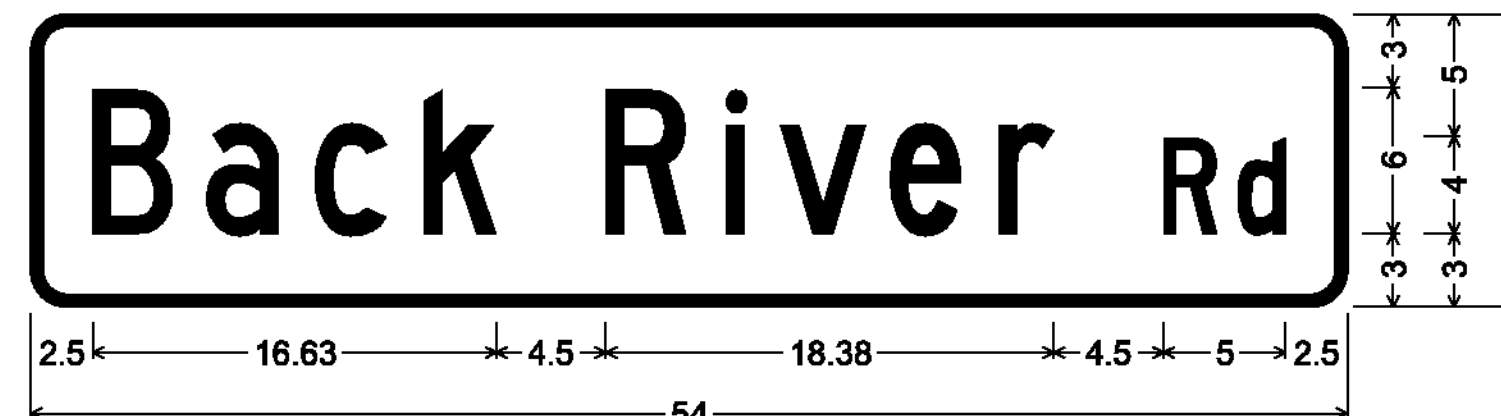
W1-1Mc L(R)

DIMENSIONS NOT SHOWN FOR THIS DETAIL SHALL CONFORM TO THE LATEST EDITION OF THE 2009 MUTCD FOR SIGN DETAIL W1-1, UNLESS OTHERWISE NOTED FOR THIS DETAIL



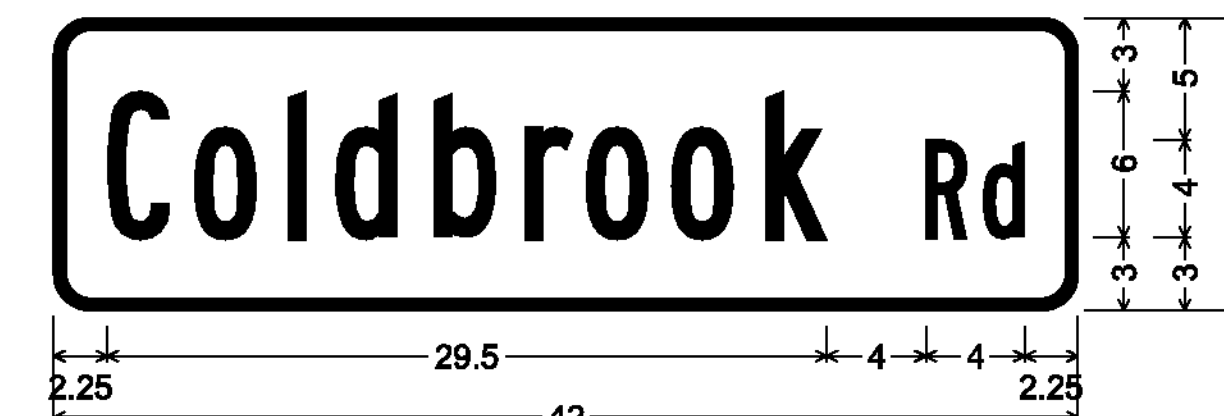
1.50" Radius, 0.50" Border, White on Green;
[Alpine Loop] C 80% spacing;

D3-1



1.50" Radius, 0.50" Border, White on Green;
[Back River Rd] C;

D3-1



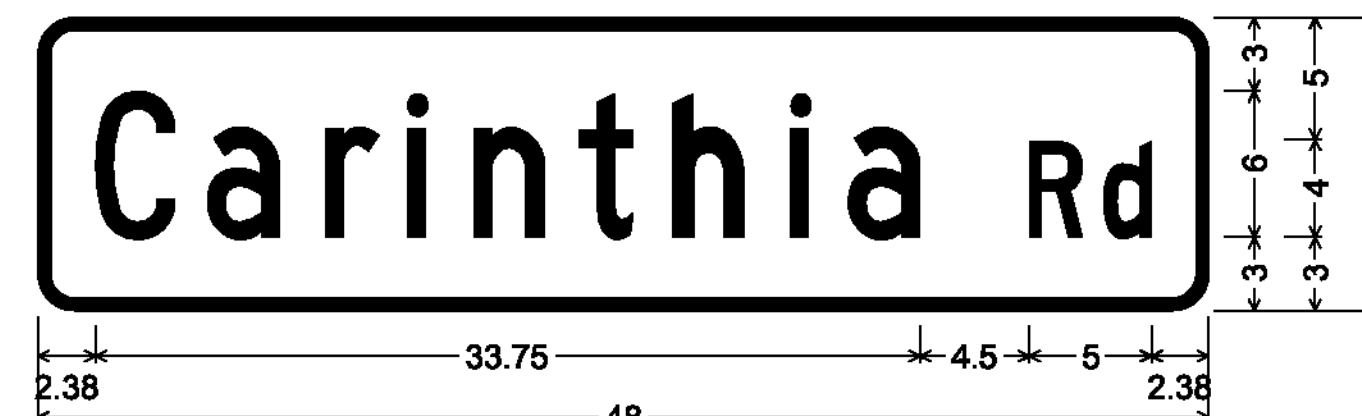
1.500" Radius, 0.500" Border, White on Green;
[Coldbrook Rd] B 90% spacing;

D3-1



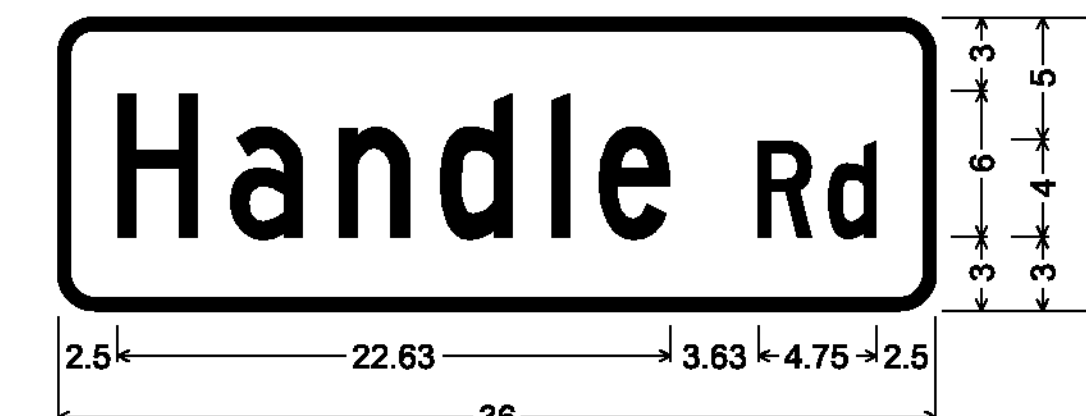
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[Atherton Rd] B;

D3-1



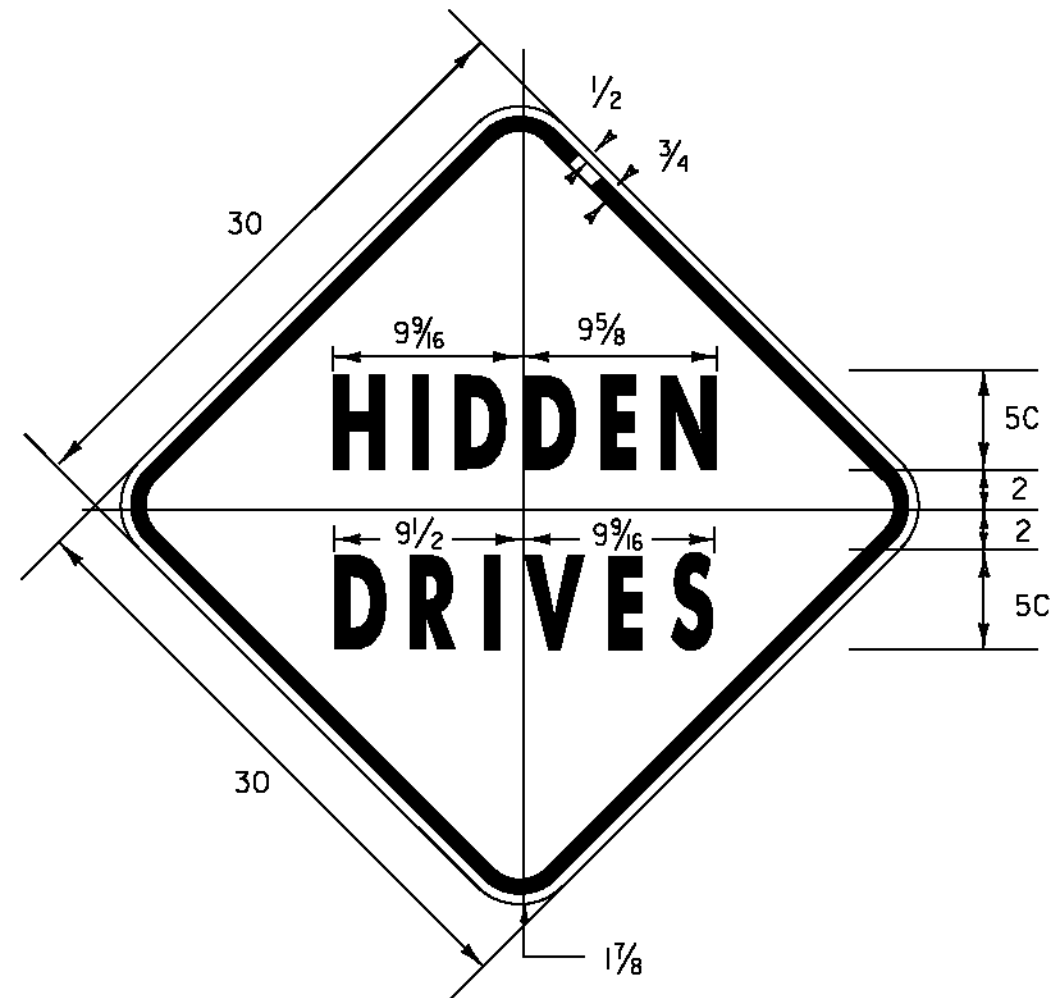
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[Carinthia Rd] C;

D3-1



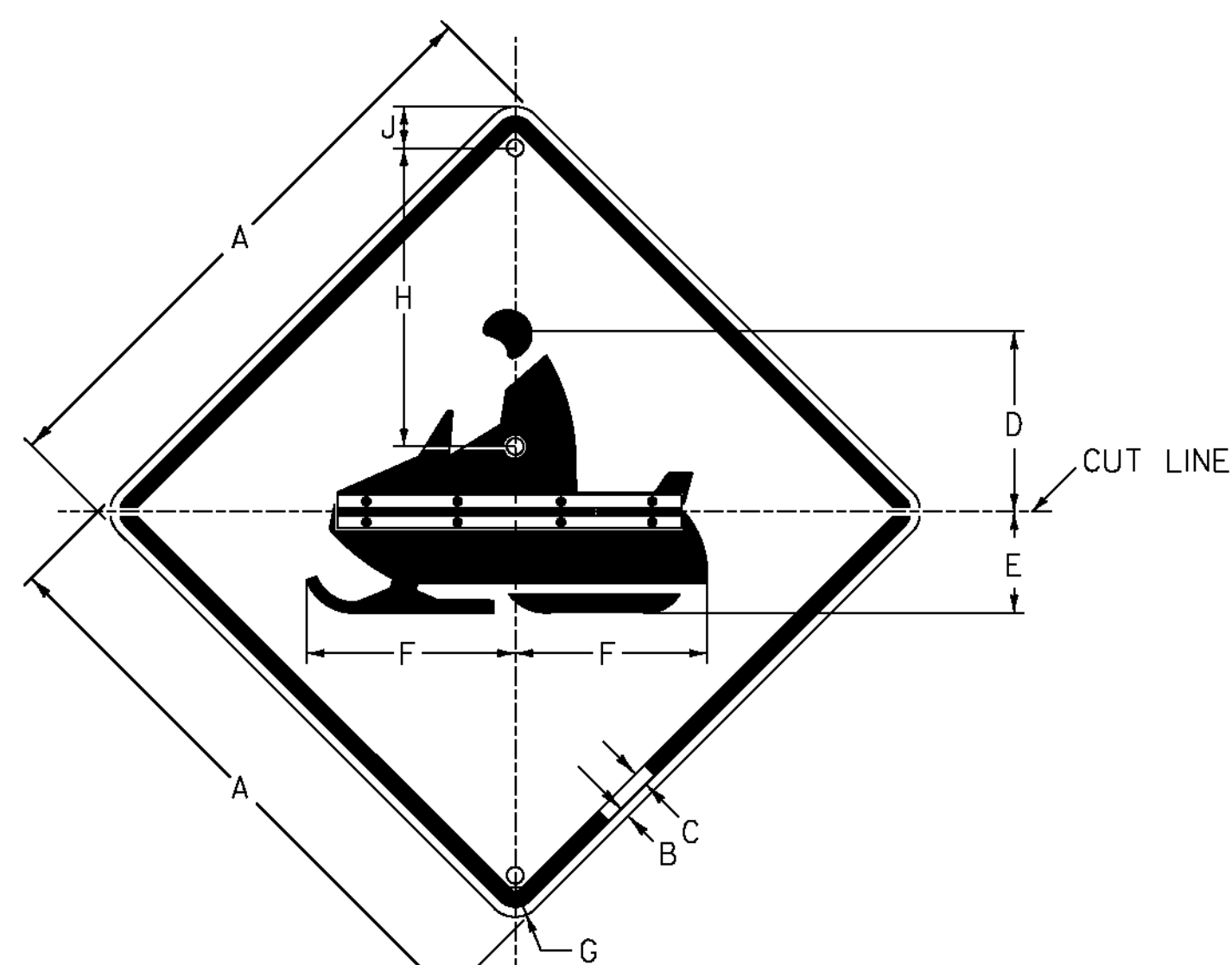
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[Handle Rd] C 80% spacing;

D3-1



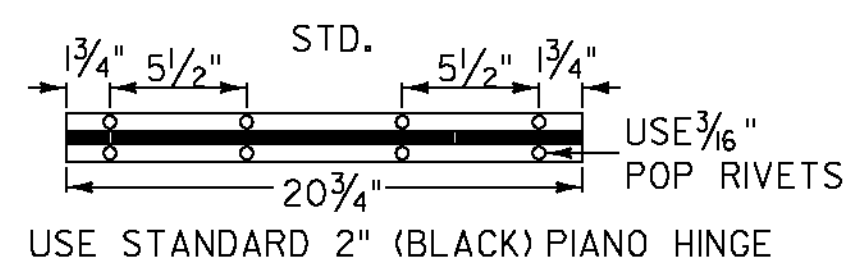
1.875" RADIUS, 0.75" BORDER, 0.50" INDENT
COLORS: LEGEND - BLACK
BACKGROUND - YELLOW
TEXT STYLE: "HIDDEN" C; "DRIVES" C

VW-060



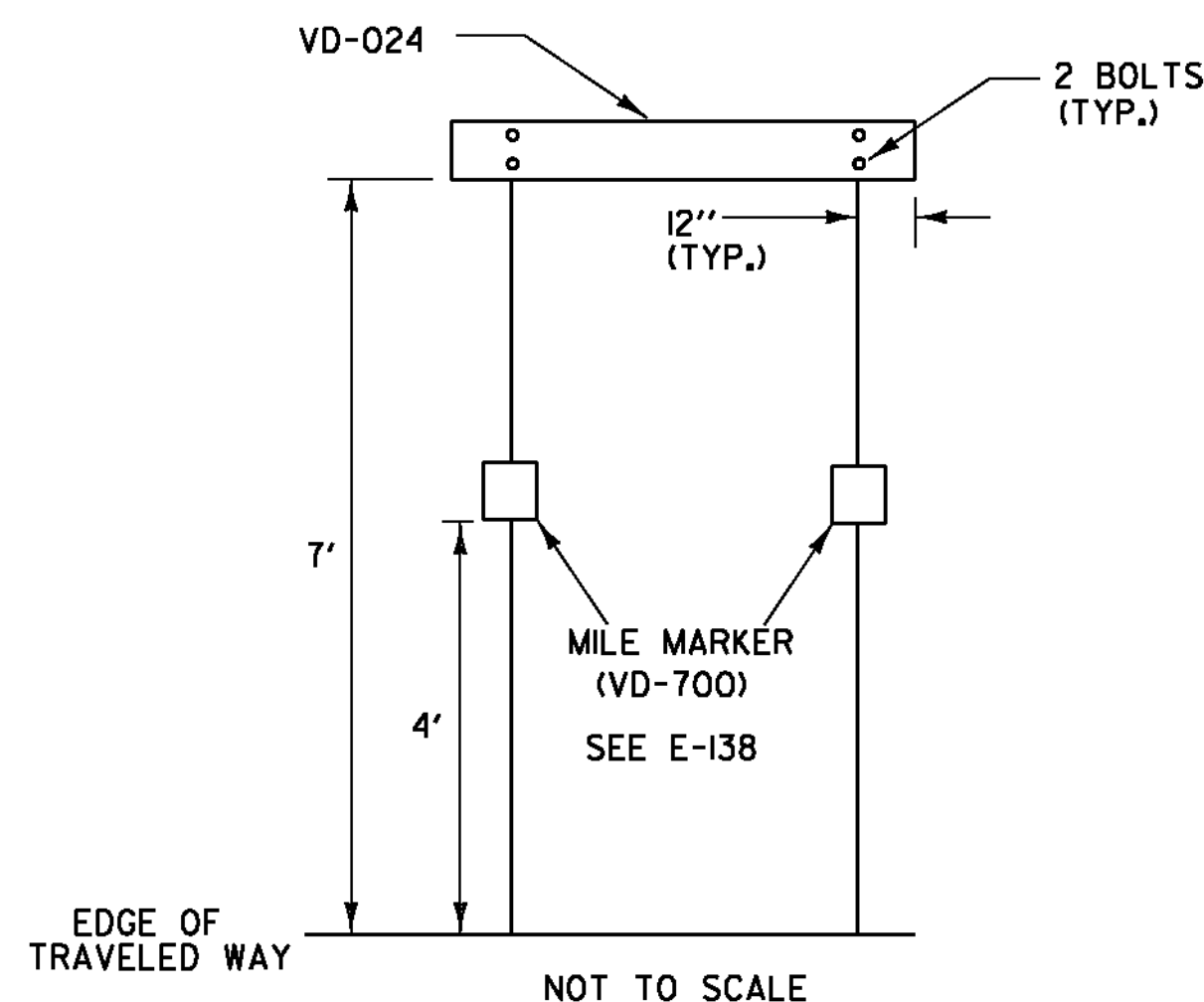
Colors: Legend & Symbol - Black
Background - Yellow;

SIGN	DIMENSIONS (INCHES)								
	A	B	C	D	E	F	G	H	J
STD.	30	1/2	3/4	11/16	5/16	12 1/16	1 7/8	14	2 1/2
SPECIAL	36	5/8	7/8	14 1/8	6 3/4	15 1/4	2 1/4	19	2 1/2



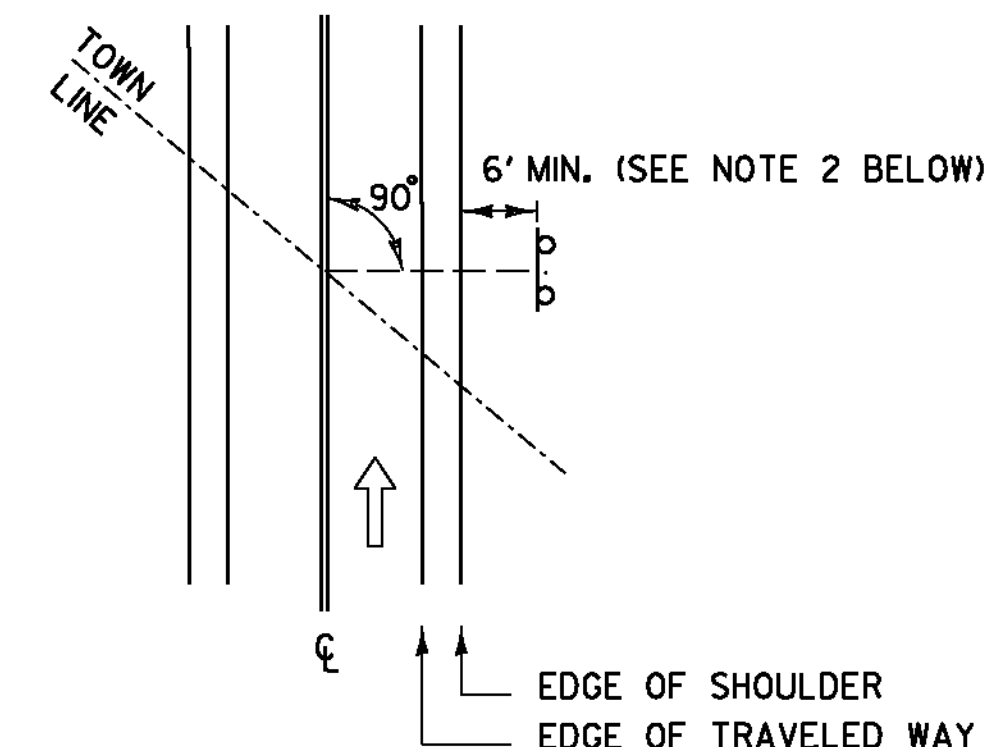
USE STANDARD 2" (BLACK) PIANO HINGE

W11-6H



WHEN CROSSING COUNTY BOUNDARIES, AN ADDITIONAL COUNTY LINE SIGN (VD-025) SHALL BE MOUNTED BELOW THE TOWN LINE SIGN (VD-024), MAINTAINING A SEVEN FOOT CLEARANCE.

1. THE SIGN BASE MATERIAL SHALL BE SHEET ALUMINUM WITH A 0.025" MINIMUM THICKNESS.
2. THE RETROREFLECTIVE MATERIAL SHALL BE SHEETING APPLIED TO THE ENTIRE BACKGROUND OF THE SIGN. THE LEGEND SHALL BE CUT-OUT RETROREFLECTIVE LEGEND. ALL RETROREFLECTIVE MATERIAL SHALL BE EQUAL TO OR EXCEEDING THE "THE AMERICAN SOCIETY OF TESTING AND MATERIALS" (ASTM D 4956) TYPE III.
3. SIGNS SHALL HAVE A WHITE LEGEND ON A GREEN BACKGROUND.
4. LEGEND SHALL CONFORM WITH THE STANDARD ALPHABETS FOR HIGHWAY SIGNS APPROVED BY THE NATIONAL COMMITTEE ON UNIFORM TRAFFIC CONTROL DEVICES.
5. SIGNS SHALL BE FABRICATED IN UPPER/LOWER CASE TEXT AS SHOWN IN SIGN DETAIL. ALL TEXT ON AN INDIVIDUAL SIGN SHALL BE OF THE SAME SIZE AND FONT.
6. ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED.
7. WORD TO WORD SPACING FOR MULTIPLE TEXT TOWN/COUNTY NAMES IS ADJUSTABLE TO ACCOMMODATE DIMENSION REQUIREMENT.
8. DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE VARIOUS MANUFACTURER'S LETTER WIDTHS.

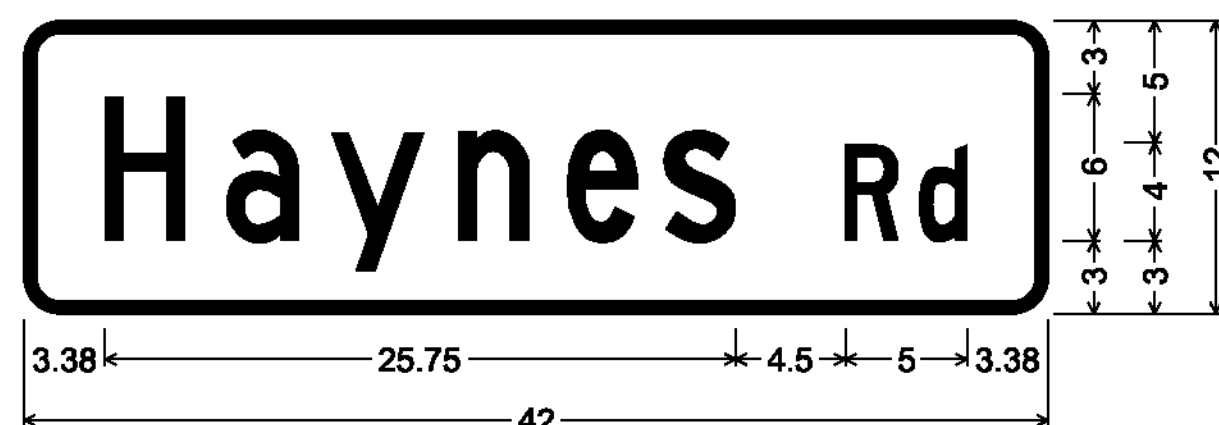


TOWN /COUNTY LINE (VD-024 /VD-025) INSTALLATION:

1. THE SIGN SHALL BE MOUNTED PARALLEL WITH THE ROADWAY, NORMALLY ON THE RIGHT SIDE TRAVELING WEST TO EAST OR SOUTH TO NORTH.
2. FOR POST-MOUNTED SIGNS, THE MINIMUM LATERAL OFFSET SHOULD BE 12 FEET FROM THE EDGE OF THE TRAVELED WAY. IF A SHOULDER WIDER THAN 6 FEET EXISTS, THE MINIMUM LATERAL OFFSET FOR POST-MOUNTED SIGNS SHOULD BE 6 FEET FROM THE EDGE OF SHOULDER.

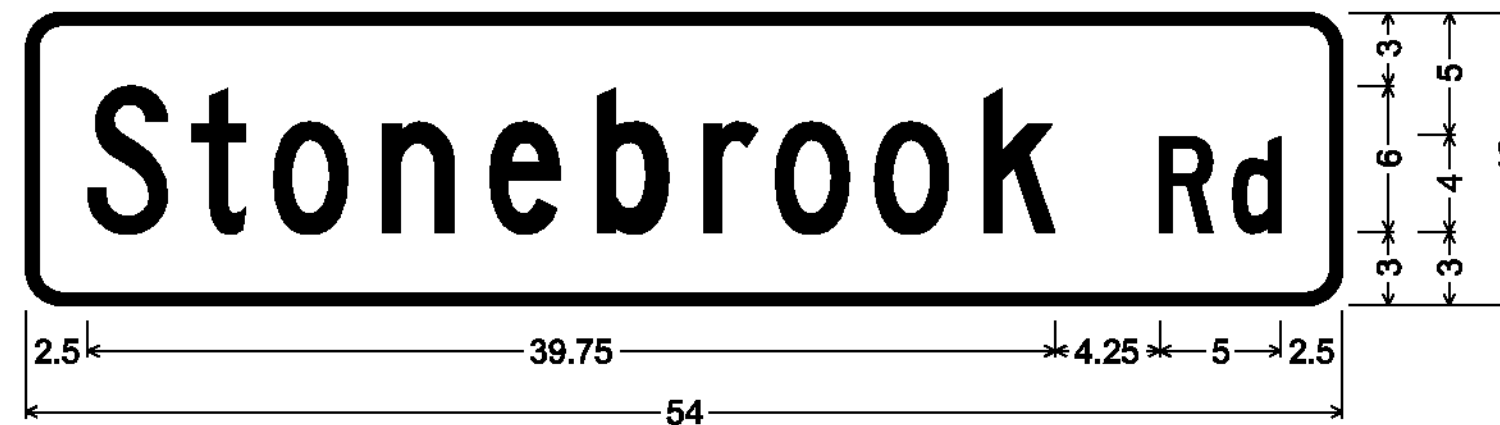
TOWN /COUNTY LINE SIGN NOTES:

PROJECT NAME:	STATEWIDE SOUTHEAST REGION	PLOT DATE:	1/3/2014
PROJECT NUMBER:	STP HRRR(18)	DRAWN BY:	N. PATTIS
FILE NAME:	I3k034wrk.dgn	CHECKED BY:	B. GROSE
PROJECT LEADER:	P. COBURN	SHEET	10 OF 34
DESIGNED BY:	N. PATTIS		
PROJECT SIGN DETAIL SHEET I			



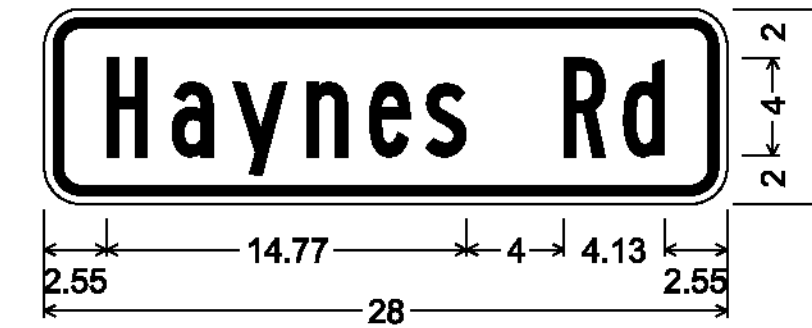
1.50" Radius, 0.50" Border, White on Green;
 [Haynes Rd] C;

D3-1



1.50" Radius, 0.50" Border, White on Green;
 [Stonebrook Rd] C 95% spacing;

D3-1



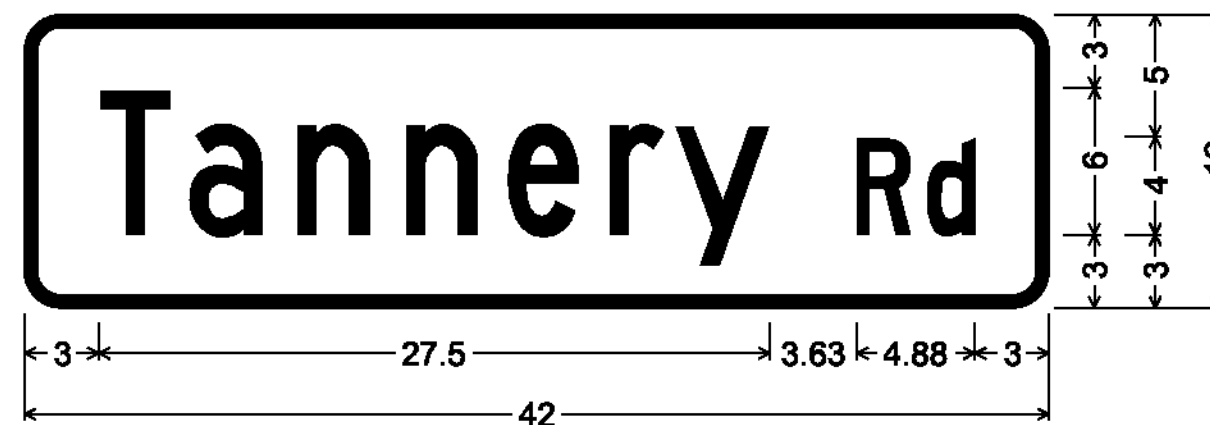
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 [Haynes Rd] B;

W16-8P



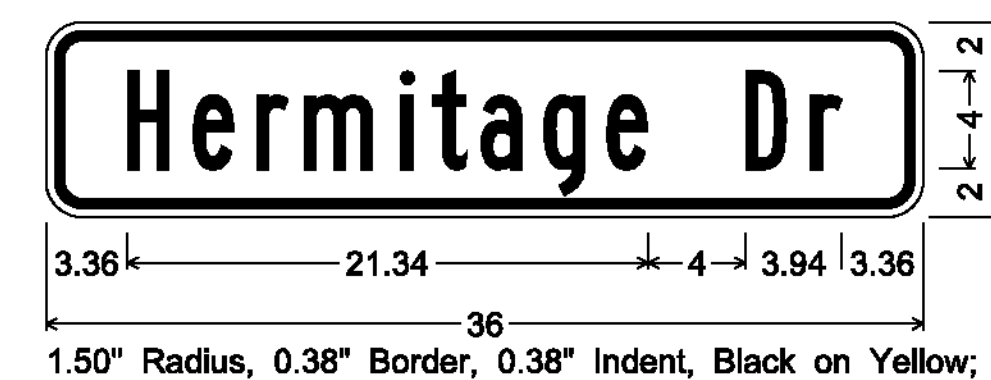
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 [Hermitage Dr] C;

D3-1



1.50" Radius, 0.50" Border, White on Green;
 [Tannery Rd] C 80% spacing;

D3-1



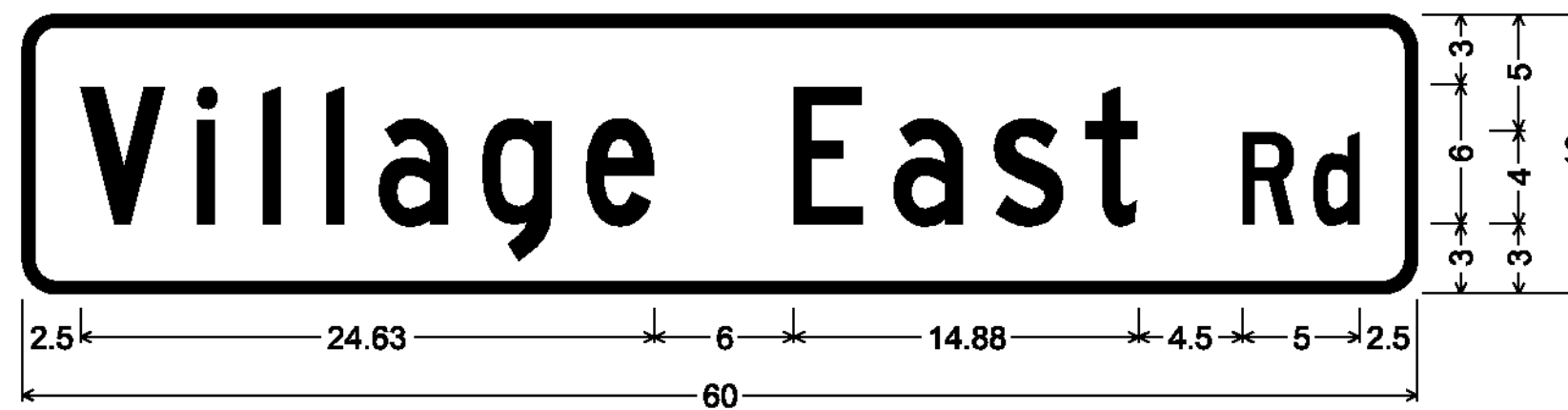
1.50" Radius, 0.38" Border, 0.38" Indent, Black on Yellow;
 [Hermitage Dr] B;

W16-8P



1.50" Radius, 0.50" Border, White on Green;
 [Lake Raponda Rd] C;

D3-1



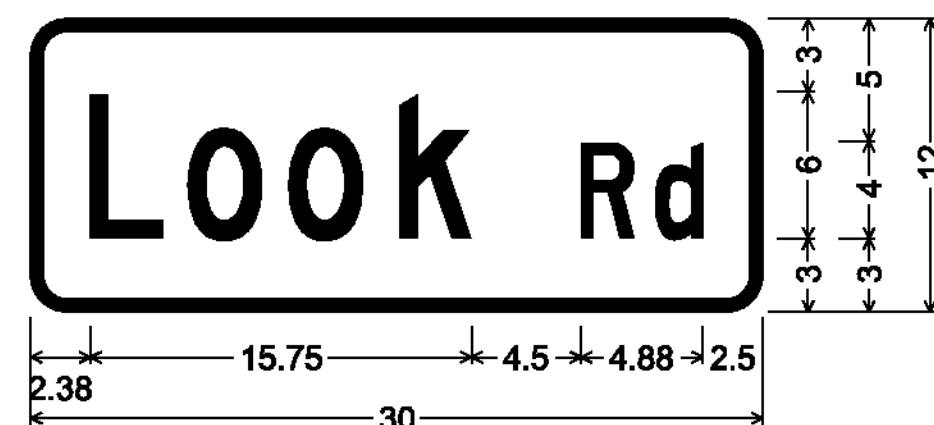
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 [Village East Rd] C;

D3-1



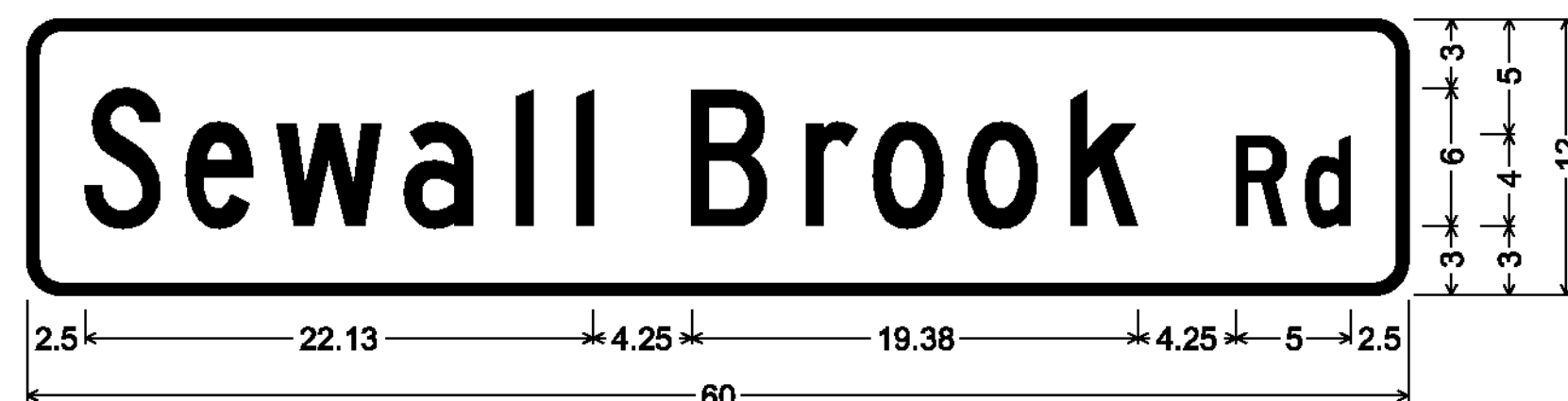
1.50" Radius, 0.38" Border, 0.38" Indent, Black on Yellow;
 [Lake Raponda Rd] B;

W16-8P



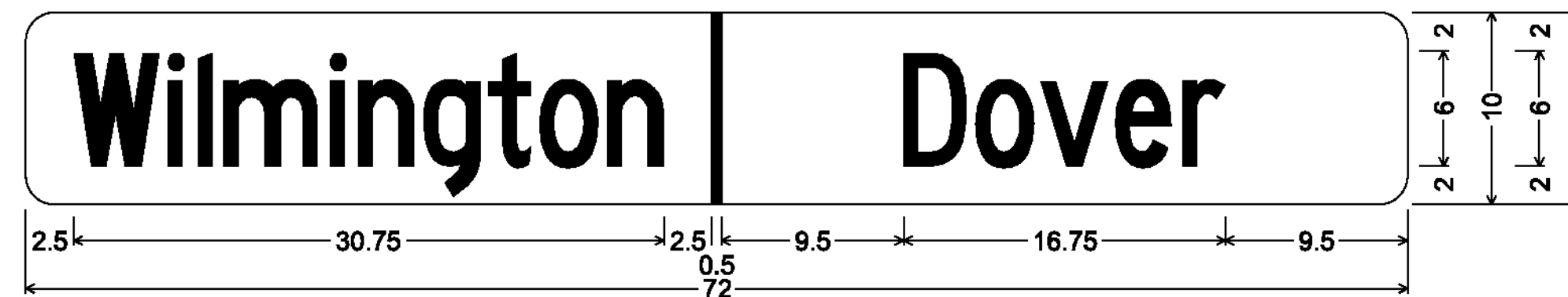
1.50" Radius, 0.50" Border, White on Green;
 [Look Rd] C;

D3-1



1.50" Radius, 0.50" Border, White on Green;
 [Sewall Brook Rd] C 95% spacing;

D3-1



1.50" Radius, No border, White on Green;
 [Wilmington] C specified length; [Dover] C specified length;

VD-024

NOTE: TOWN/COUNTY LINE (VD-024/VD-025) INSTALLATION
 INFORMATION MAY BE FOUND ON SHEET 10 OF 34.

PROJECT NAME:	STATEWIDE SOUTHEAST REGION
PROJECT NUMBER:	STP HRRR(18)
FILE NAME:	I3k034wrk.dgn
PROJECT LEADER:	P. COBURN
DESIGNED BY:	N. PATTIS
PROJECT SIGN DETAIL SHEET	2
PLOT DATE:	1/10/2014
DRAWN BY:	N. PATTIS
CHECKED BY:	B. GROSE
SHEET	II OF 34

TRAFFIC SIGN SUMMARY SHEET

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL (in)				SIGN FRAME REQUIRED	REMARKS SHSM = STANDARD HIGHWAY SIGN & MARKING BOOK	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHSM	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00					
NB	MM 2.360 RT	A	R2-1	24	30			5.00					X	X	I		+5- 12.75						REPLACE EXISTING SPEED LIMIT SIGN AND POST LOCATED 190' NORTH OF POLE # 123811/8-5/ 17	X				
SB	MM 2.360 LT	F	R2-1	24	30			5.00					X	X	I		+5- 13.25						REPLACE EXISTING SPEED LIMIT SIGN AND POST LOCATED 190' NORTH OF AND ACROSS FROM POLE # 123811/ 8-5/ 17	X				
NB	MM 2.641 RT	A	W3-1	30	30			6.25					X	X	I		15						REPLACE EXISTING STOP AHEAD SIGN AND POST LOCATED 95' SOUTH OF AND ACROSS FROM POLE # GMP/39-50/NET/8516/8	X				
SB	MM 2.667 LT	F	R2-1	24	30								X	X									REMOVE EXISTING SPEED LIMIT SIGN AND POST LOCATED 95' NORTH OF POLE # GMP/39-50/NET/8516/8					
SB	MM 2.667 LT	F	W11-15	30	30	FYG		6.25							I		15						INSTALL A NEW BICYCLE/PEDESTRIAN WARNING SIGN AND POST LOCATED 95' NORTH OF POLE # GMP/39-50/NET/8516/8	X				
SB	MM 2.667 LT	F	R2-1	18	24	FYG		2.25- 3.0															INSTALL A NEW SHARE THE ROAD PLAQUE BENEATH AND ON THE SAME POST AS THE W11-15 SIGN LOCATED 95' NORTH OF POLE # GMP/39-50/NET/8516/8	X				
SB	MM 2.717 LT	F	R1-5A	36	48								X	X									REMOVE EXISTING YIELD TO PEDESTRIANS SIGN AND POST LOCATED 169' NORTH OF AND ACROSS FROM POLE # NET/7/GMP/40					
SB	MM 2.717 LT	F	R2-1	24	30			5.00							I		+5- 14						INSTALL A NEW SPEED LIMIT SIGN AND POST LOCATED 169' NORTH OF AND ACROSS FROM POLE # NET/7/GMP/40	X				
NB	MM 2.717 RT	A	R1-1	30	30								X	X									REMOVE EXISTING STOP SIGN AND POST LOCATED 169' NORTH OF POLE # NET/7/GMP/40	X				
							SOUTH ACCESS ROAD																					
EB	MM 0.010 RT	A	W1-1Mc	30	30			6.25							I		+5- 15.25						INSTALL A NEW TURN LEFT, INTERSECTION SIGN LOCATED 53' EAST OF POLE # 36 1/2		10			
EB	MM 0.010 RT	A	W13-1P	18	18			2.25															INSTALL A NEW ADVISORY SPEED PLAQUE BENEATH AND ON THE SAME POST AS THE NEW W1-1Mc SIGN LOCATED 53' EAST OF POLE # 36 1/2	X				
EB	MM 0.049 RT	D	R1-1	30	30								X	X									REMOVE EXISTING STOP SIGN AND POST LOCATED 248' EAST OF POLE # 36 1/2					




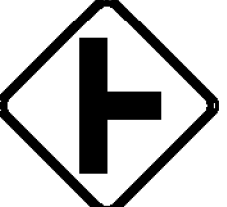



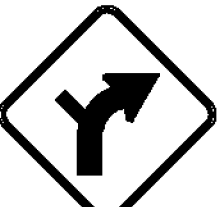

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDE".

EA	EA	EA	EA	EA	EA	FT	FT	FT	LB	LB	LB	LB
				7 6	7 6			90				
SF	SF	EA	EA	EA	EA	FT	FT	FT	EA	LB		
38.25 39.0		7	7	6	6	90 85.25						

PROJECT NAME: STATEWIDE SOUTHEAST REGION
PROJECT NUMBER: STP HRRR(18)
FILE NAME: I3K034wrk.dgn
PROJECT LEADER: P. COBURN
DESIGNED BY: N. PATTIS
DOVER TRAFFIC SIGN SUMMARY SHEET 5

PLOT DATE: 1/3/2014
DRAWN BY: N. PATTIS
CHECKED BY: B. GROSE
SHEET 16 OF 34

DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (In)			TUBULAR STEEL (In)				SIGN FRAME REQUIRED	REMARKS SHSM = STANDARD HIGHWAY SIGN & MARKING BOOK	SIGN DETAIL					
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDAION	lb/ft				DETAIL IN SHSM	DETAIL ON SHEET NUMBER			STANDARD SHEET NUMBER					
																		1.75	2.00	2.50	3.00						3.50	4.00	5.00		
EB	MM 1.051 RT	A	W11-6H	30	30			6.25						X	X	1		+5- 13'					REPLACE SNOWMOBILE SIGN WITH A NEW HINGED SNOWMOBILE SIGN AND POST LOCATED 158' WEST OF POLE # NET/30/GMP/12/3			10					
WB	MM 1.068 LT	F	W1-4R	30	30			6.25								1		15					INSTALL A NEW REVERSE CURVE RIGHT SIGN ON A NEW POST LOCATED 69' WEST OF AND ACROSS FROM POLE # NET/30/GMP/12/3	X							
EB	MM 1.145 RT	A	R2-1	24	30			5.00						X	X	1		+5- 13.25					REPLACE EXISTING SPEED LIMIT SIGN AND POST LOCATED 26' WEST OF POLE # GMP/32/32	X							
WB	MM 1.145 LT	F	R2-1	24	30			5.00								1		+5- 15.5					INSTALL A NEW SPEED LIMIT SIGN AND POST LOCATED 26' WEST OF AND ACROSS FROM POLE # GMP/32/32	X							
WB	MM 1.215 LT	F	R2-1	24	30									X	X								REMOVE EXISTING SPEED LIMIT SIGN AND POST LOCATED 343' EAST OF AND ACROSS FROM POLE # GMP/32/32								
EB WB	MM 1.215 LT/RT						POSTS							3	*								REMOVE EXISTING POSTS ON BOTH SIDES OF THE ROAD LOCATED 343' EAST OF POLE # GMP/32/32								
EB	MM 1.437 RT	A	W1-2L	30	30			6.25								1		15					INSTALL A NEW CURVE LEFT SIGN AND POST LOCATED 42' WEST OF POLE # NET/4/GMP/41/19286	X							
EB	MM 1.445 RT - MM 1.538 RT	A B		6	8		(14) TYPE 11 - 6"X 8" WHITE DELINEATORS																INSTALL NEW DELINEATORS (14) BACK-TO-BACK 70 FEET APART ON 7 POSTS. INSTALL FIRST ADJACENT TO POLE # NET/4/GMP/41/19286			4					
WB	MM 1.588 LT	F	VW-060	30	30			6.25						X	X	1		+5- 16.75					REPLACE EXISTING HIDDEN DRIVES SIGN AND POST LOCATED 32' WEST OF POLE # NET/12/45/45/19303			10					
WB	MM 1.588 LT	F	W1-2R	30	30			6.25															INSTALL A NEW CURVE RIGHT SIGN ABOVE AND ON THE SAME POST AS NEW VW-60 SIGN LOCATED 32' WEST OF POLE # NET/12/45/45/19303	X							
WB	MM 1.718 LT	F	R2-1	24	30			6.25- 5.00						X	X	1		+5- 12.5					REPLACE EXISTING SPEED LIMIT SIGN AND POST LOCATED 74' EAST OF POLE # NET/49/GMP/49	X							
WB	MM 1.760 LT	H	R1-1	30	30			6.25						X	X	1		+5- 12.5					REPLACE EXISTING STOP SIGN AND POST LOCATED 11' WEST OF AND ACROSS FROM POLE # 1931/127/NET/12/50/GMP/50	X							
EB	MM 1.771 RT	A	W1-10L	36	36			9.00						X	X	2		15.75 30 16.25					REPLACE EXISTING CURVE LEFT, SIDEROAD SIGN ON TWO NEW POSTS LOCATED 48' EAST OF POLE # 1937/127/NET/12/50/ GMP/50	X							
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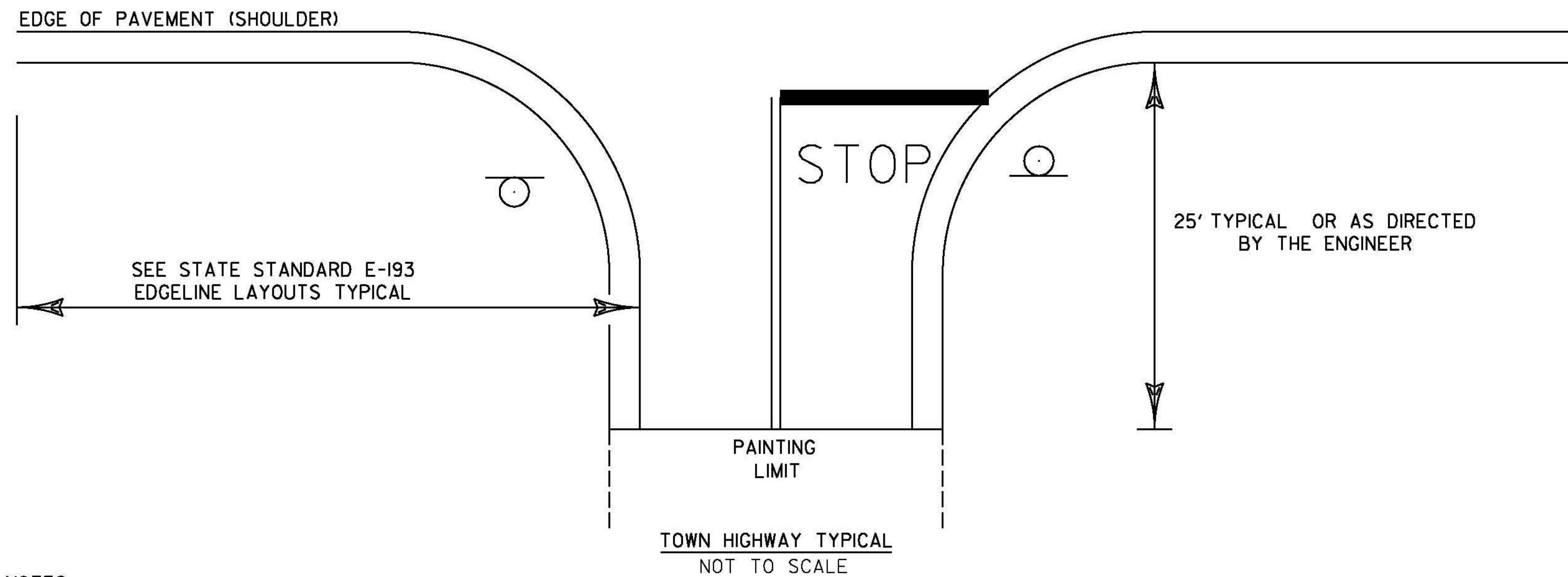
DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS				EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL O (in)				SIGN FRAME REQUIRED	REMARKS SHSM = STANDARD HIGHWAY SIGN & MARKING BOOK	SIGN DETAIL			
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDAION	3.00	3.50	4.00	5.00	DETAIL IN SHSM	DETAIL ON SHEET NUMBER			STANDARD SHEET NUMBER			
																											1.75	2.00	2.50
EB	MM 1.771 RT	A	W16-8P	43	8			2.38															INSTALL NEW ADVANCED STREET NAME SIGN LOCATED BENEATH AND ON THE SAME POST AS THE NEW W1-10L SIGN LOCATED 48' EAST OF POLE # 1931/127/NET/12/50/GMP/50			11			
WB	MM 1.773 LT	F	D3-1	42	12			3.50															REPLACE EXISTING STREET NAME SIGN AND POST LOCATED 58' EAST OF AND ACROSS FROM POLE # 1931/127/NET/12/50/GMP/50			11			
WB	MM 1.773 LT	G	R2-1	24	30			5.00				X		X									REPLACE EXISTING SPEED LIMIT SIGN AND POST LOCATED 58' EAST OF AND ACROSS FROM POLE # 1931/127/NET/12/50/GMP/50	X					
WB	MM 1.836 LT	F	W2-2	30	30			6.25															INSTALL A NEW INTERSECTION RIGHT SIGN AND POST LOCATED ACROSS FROM POLE # 515/19321	X					
WB	MM 1.836 LT	F	W16-8P	28	8			1.55															INSTALL A NEW ADVANCED STREET NAME PLAQUE BENEATH AND ON THE SAME POST AS THE NEW W2-2 SIGN LOCATED ACROSS FROM POLE # 515/19321			11			
EB	MM 1.840 RT	A B	D3-1	66	12			5.50				X		X									REPLACE EXISTING STREET NAME SIGN ON TWO NEW POSTS LOCATED 21' EAST OF POLE # 515/19321			11			
EB	MM 1.848 RT	D	R1-1	30	30			6.25						X									REPLACE EXISTING STOP SIGN AND POST LOCATED 63' EAST OF POLE # 515/19321	X					
WB	MM 1.910 LT	F	W1-10	36	36			9.00															INSTALL A NEW CURVE RIGHT, INTERSECTION SIGN ON TWO POSTS LOCATED 69' WEST OF POLE # 53	X					
WB	MM 1.910 LT	F	W16-8P	43	8			2.38															INSTALL NEW ADVANCED STREET NAME PLAQUE BENEATH AND ON THE SAME POST AS THE NEW W1-10R LOCATED 69' WEST OF POLE # 53			11			
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								SF	SF	EA	EA	EA	EA	EA	EA	EA	FT	FT	FT	EA	LB	LB	LB	LB					
								41.81		4	4	4	4	4	4	8	+20-	120	103.75										

PROJECT NAME: STATEWIDE SOUTHEAST REGION
 PROJECT NUMBER: STP HRRR(18)
 FILE NAME: 13K034wrk.dgn PLOT DATE: 1/3/2014
 PROJECT LEADER: P. COBURN DRAWN BY: N. PATTIS
 DESIGNED BY: N. PATTIS CHECKED BY: B. GROSE
 HIGLEY HILL RD, TRAFFIC SIGN SUMM. SHEET 3 SHEET 29 OF 34

TOWNSTATE HIGHWAY INVENTORY FOR PAVEMENT MARKINGS

* NOTE ALL LOCATIONS ARE MEASURED FROM THE CENTER OF THE INTERSECTING ROADWAYS FOR THAT INTERSECTION AND ARE APPROXIMATE. FIELD VERIFY BEFORE INSTALLING OR AS DIRECTED BY THE ENGINEER.

HRRR PROJECT - PAVEMENT MARKINGS - MILE POINTS												
PAY ITEM				646.26	646.30	646.30				646.21	646.20	
TOWN	CONSTRUCTION REGION	ROAD NAME	ML STATION (MM)	STOP BAR (MM)	YIELD BAR (MM)	WORD "STOP" (MM)	STOP AHEAD TEXT (MM)	RAILROAD XING (MM)	SCHOOL (MM)	CENTERLINE (FT at MM)	EDGE LINE (FT at MM)	COMMENTS
DOVER	SE	HANDLE ROAD		MM 1.975 RT		MM 1.975 RT						
	SE			MM 1.994 LT		MM 1.994 LT						
	SE	SOUTH ACCESS ROAD								490' AT MM 0.010 CT	438' AT MM 0.010 LT	CENTERLINE: FROM MM 0.047 CT EXTEND 20' OF DOTTED CENTERLINE EXTENSION IN BOTH DIRECTIONS. SAME AT MM 0.058 CT
	SE										195' AT MM 0.010 RT	EDGE LINE: END AT EDGE OF MT SNOW DRIVEWAY/PARKING LOT
	SE			MM 0.047 RT		MM 0.047 RT				100' AT MM 0.047 RT	200' AT MM 0.047 RT	CENTERLINE: EXTENDING UP MT SNOW DRIVEWAY/PARKING LOT EDGE LINE: EXTEND 100' UP MT SNOW DRIVEWAY ON BOTH SIDES OF THE ROAD
	SE			MM 0.058 RT		MM 0.058 RT				100' AT MM 0.058 RT	200' AT MM 0.058 RT	CENTERLINE: EXTENDING UP HANDLE ROAD EDGE LINE: EXTEND 100' UP HANDLE ROAD ON BOTH SIDES OF THE ROAD
	SE										169' AT MM 0.061 RT	EDGE LINE: EXTEND ON S ACCESS ROAD
ROYALTON	SE	BACK RIVER ROAD	-	-	-	-	-	-	-	-	-	-
	SE	ROYALTON HILL ROAD	-	-	-	-	-	-	-	-	-	-
WILMINGTON (COLDBROOK ROAD)	SE	COLDBROOK ROAD					MM 0.122 LT					
WILMINGTON (HIGLEY HILL ROAD)	SE	HIGLEY HILL ROAD		MM 0.006 RT		MM 0.006 RT				26' AT MM 0.006 RT		CENTERLINE: INSTALL ON RIGHT SIDE OF THE ISLAND
	SE			MM 0.006 LT		MM 0.006 LT				26' AT MM 0.006 LT		CENTERLINE: INSTALL ON LEFT SIDE OF THE ISLAND
	SE				MM 0.011 LT							
	SE									222' AT MM 0.023 CT		
	SE						MM 0.077 LT					
SUBTOTALS	SE				4 SYMBOLS	24 LETTERS	18 LETTERS					
TOTALS	SE			96 FT			LETTER/SYMBOL TOTAL = 46			964 FT X 2 = 1928 FT	1202 FT	



- NOTES:
- 1.) SEE STD E-121 FOR THE PLACEMENT OF STOP AND LEGAL LOAD LIMIT SIGNS.
 - 2.) SEE STD E-193 FOR THE PLACEMENT OF CENTERLINE, EDGE LINE, STOP BARS, AND STOP LETTERS.

PROJECT NAME: STATEWIDE SOUTHEAST REGION
PROJECT NUMBER: STP HRRR(18)
FILE NAME: I3k034wrk.dgn
PROJECT LEADER: P. COBURN
DESIGNED BY: N. PATTIS
TOWN HIGHWAY PAVEMENT MARKINGS SHEET
PLOT DATE: 1/3/2014
DRAWN BY: N. PATTIS
CHECKED BY: B. GROSE
SHEET 32 OF 34

