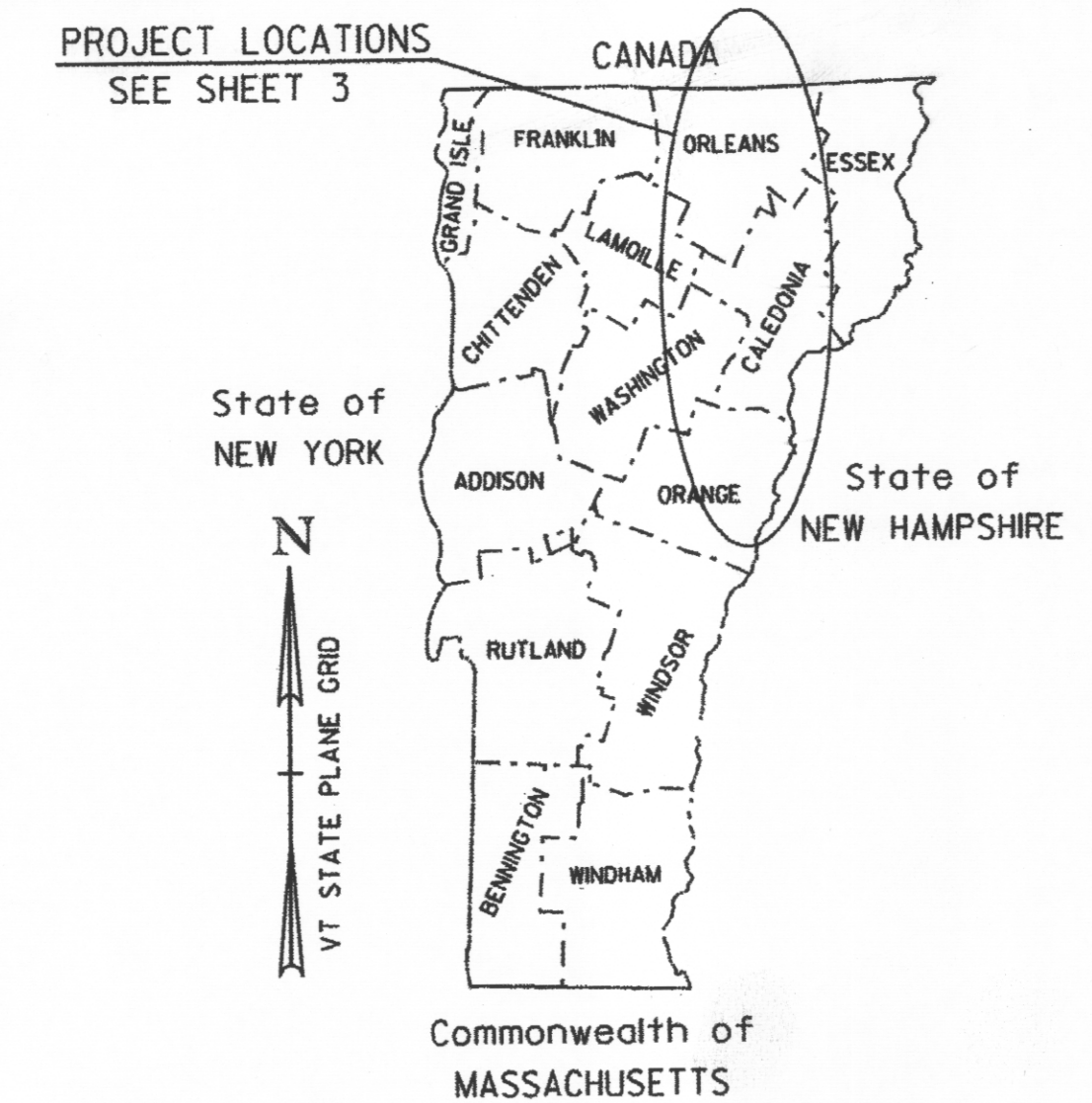


INDEX OF SHEETS  
SEE SHEET 2

# STATE OF VERMONT AGENCY OF TRANSPORTATION



RECORD PLANS	
CONTRACTOR:	L&D SAFETY MARKING CORP.-BERLIN, VT
RESIDENT ENGINEER:	BRIGITTE CODLING
CONSTRUCTION BEGAN:	APRIL 23, 2012
CONSTRUCTION COMPLETE:	JULY 06, 2012
RECORD PLANS BY:	BRIGITTE CODLING & JENNA HYDE
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.	
BY <i>Brigitte Codling</i>	RESIDENT ENGINEER
DATE <i>3/28/13</i>	
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.	

## PROPOSED IMPROVEMENT TOWNS OF BARTON, PLAINFIELD, WALDEN COUNTIES OF ORLEANS, WASHINGTON AND CALEDONIA VARIOUS TOWN HIGHWAYS

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, EDGE LINE, SYMBOLS AND LETTERS); AND OTHER RELATED ITEMS FOR THE DESCRIBED WORK.

PROJECT LOCATIONS:			
TH-1,	MM	0.730 - 6.310,	BARTON (EASTERN AVENUE/WILLOUGHBY LAKE ROAD)
TH-1,	MM	0.000 - 3.330,	PLAINFIELD (MIDDLE ROAD)
TH-1,	MM	0.000 - 0.486,	PLAINFIELD (BARRE HILL ROAD)
TH-1,	MM	0.000 - 0.150,	PLAINFIELD (MILL STREET ROAD)
TH-2,	MM	0.000 - 1.033,	WALDEN (NOYESTAR ROAD)
TH-34,	MM	0.000 - 0.258	WALDEN (CAHOON FARM ROAD)

PROJECT LENGTHS:	5.580	MILES	(29462.40 FT)
	3.330	MILES	(17582.40 FT)
	0.486	MILES	(2566.08 FT)
	0.150	MILES	(792.00 FT)
	1.033	MILES	(5454.24 FT)
	0.258	MILES	(1362.24 FT)
TOTAL LENGTH OF PROJECT:	10.837	MILES	(57219.36 FT)

QUALITY ASSURANCE PROGRAM: LEVEL 3

### CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
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 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED <i>[Signature]</i>	DATE <i>8/14/11</i>
PROJECT MANAGER : JOSH SCHULTZ	
PROJECT NAME : STATEWIDE NORTHEAST REGION	
PROJECT NUMBER : STP HRRR(8)	
SHEET 1 OF 28 SHEETS	

**INDEX OF SHEETS**

1	TITLE SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3	LOCATION MAPS
4	QUANTITY SHEET
5-6	GENERAL SIGN DETAIL SHEETS 1-2
7-8	SPECIFIC TOWN SIGN DETAIL SHEETS 1-2
9-15	BARTON TRAFFIC SIGN SUMMARY SHEETS 1-7
16-20	PLAINFIELD TRAFFIC SIGN SUMMARY SHEETS 1-5
21-23	WALDEN TRAFFIC SIGN SUMMARY SHEETS 1-3
24	TOWN TOTAL TRAFFIC SIGN SUMMARY SHEET
25	TOWN HIGHWAY PAVEMENT MARKINGS SHEET
26	ITEM DETAIL SUMMARY SHEET
27-28	TRAFFIC CONTROL SHEETS 1-2

**STANDARDS**

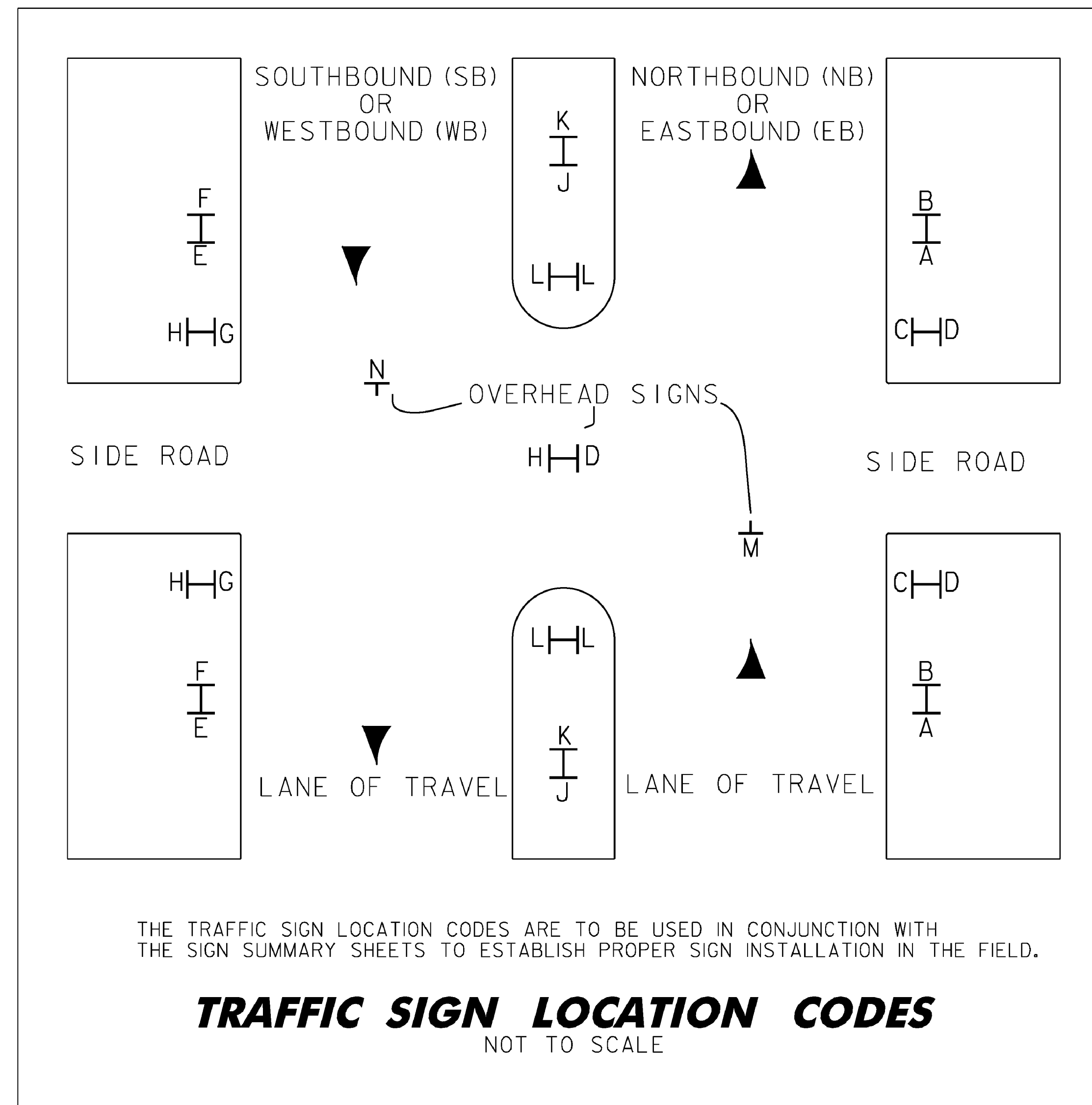
E-121	STANDARD SIGN PLACEMENT- CONVENTIONAL ROAD	08/08/1995
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	03/16/2004
E-127	ROUTE MARKINGS AT RURAL INTERSECTIONS	08/08/1995
E-136B	STATE ROUTE MARKER SIGN DETAILS	08/08/1995
E-136C	STATE NUMBERED TOWN HIGHWAY SIGN DETAILS	08/08/1995
E-138	MILEMARKER 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-164	SQUARE STEEL SIGN POST	06/08/2009
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, MEDIUM)	01/03/2000
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11/15/2002
SB-R6-82	BRIDGE RAILING HEAVY DUTY STEEL BEAM	01/06/1995

**GENERAL NOTES**

- ALL NEW SIGNS SHALL BE IN ACCORDANCE WITH THESE PLANS, THE LATEST EDITION OF THE 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE STANDARD HIGHWAY SIGNS BOOK (SHS) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA), AND APPLICABLE VTRANS E-SERIES STANDARDS 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 DRAWINGS E-121.  
  
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 WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- 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, AND ITEM 675.60, ERECTING SALVAGED SIGNS. NEW POSTS INSTALLED SHALL BE PAID UNDER THEIR RESPECTIVE PAY ITEM. ESTIMATED QUANTITIES OF ITEM 675.50 AND ITEM 675.60 ARE INCLUDED ON THE QUANTITY SHEET TO PAY FOR THE WORK. 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 RESIDENT 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 TYPE VII, VIII, OR IX) AND FYG = FLUORESCENT YELLOW-GREEN SHEETING (ASTM TYPE VII, VIII, OR IX). REFER TO SUBSECTION 750.08 RETROREFLECTIVE SHEETING. THESE ABBREVIATIONS CAN BE FOUND UNDER SHEETING REMARKS ON THE TRAFFIC SIGN SUMMARY SHEETS INCLUDED WITHIN THESE PROJECT PLANS.
- UNLESS OTHERWISE DETAILED ON THE PLANS, ALL SIGN BASE MATERIAL SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIZES	THICKNESS			
	0.060"	0.080"	0.100"	0.125"
24" X 8"				
24" X 10"				
24" X 12"				
24" X 18"				
24" X 24"				
24" X 30"				
30" X 8"				
30" X 15"				
30" X 18"				
30" X 30"				
30" X 42"				
9" X 12"				
12" X 12"				
18" X 18"				
21" X 15"				
THICKNESS	0.060"	0.080"	0.100"	0.125"

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- IF SUITABLE EXCAVATION MATERIAL IS NOT AVAILABLE AND ITEM 203.30 EARTH BORROW IS USED THEN RENTAL ITEMS 608.25, 608.37 AND 608.40 DO NOT APPLY. THE COST OF INSTALLATION SHALL BE INCLUDED IN THE BASIS OF PAYMENT FOR ITEM 203.30.



**VAOT RURAL AREA MIX**

VAOT RURAL AREA MIX					
LBS/AC					
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
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	BIRD'SFOOT TREFOIL	85%	98%
5.0%	3	6	ANNUAL RYE GRASS	85%	95%
100%	60	120			

**GENERAL GUIDANCE**

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**

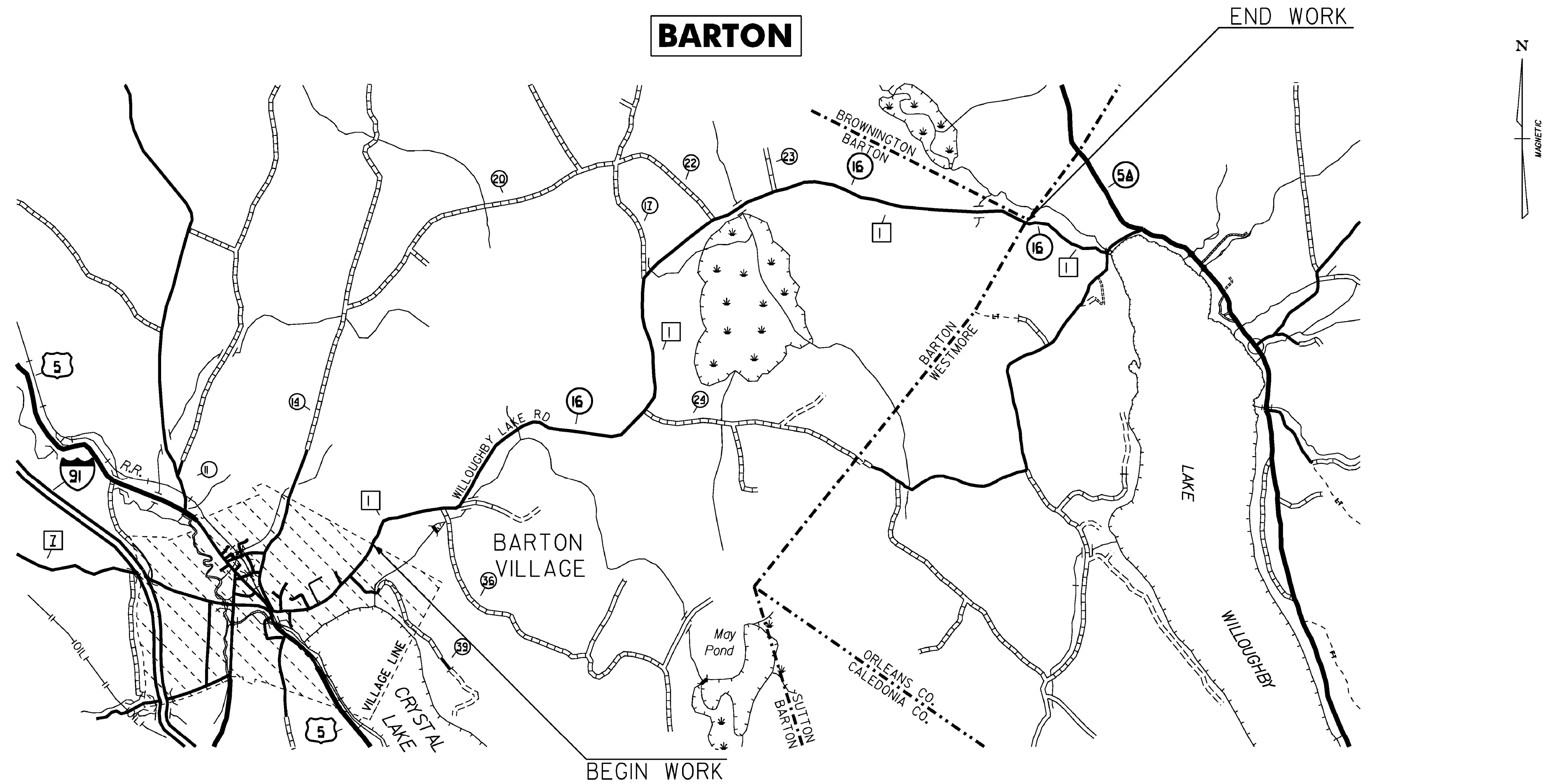
REVISIONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF

**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. 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.

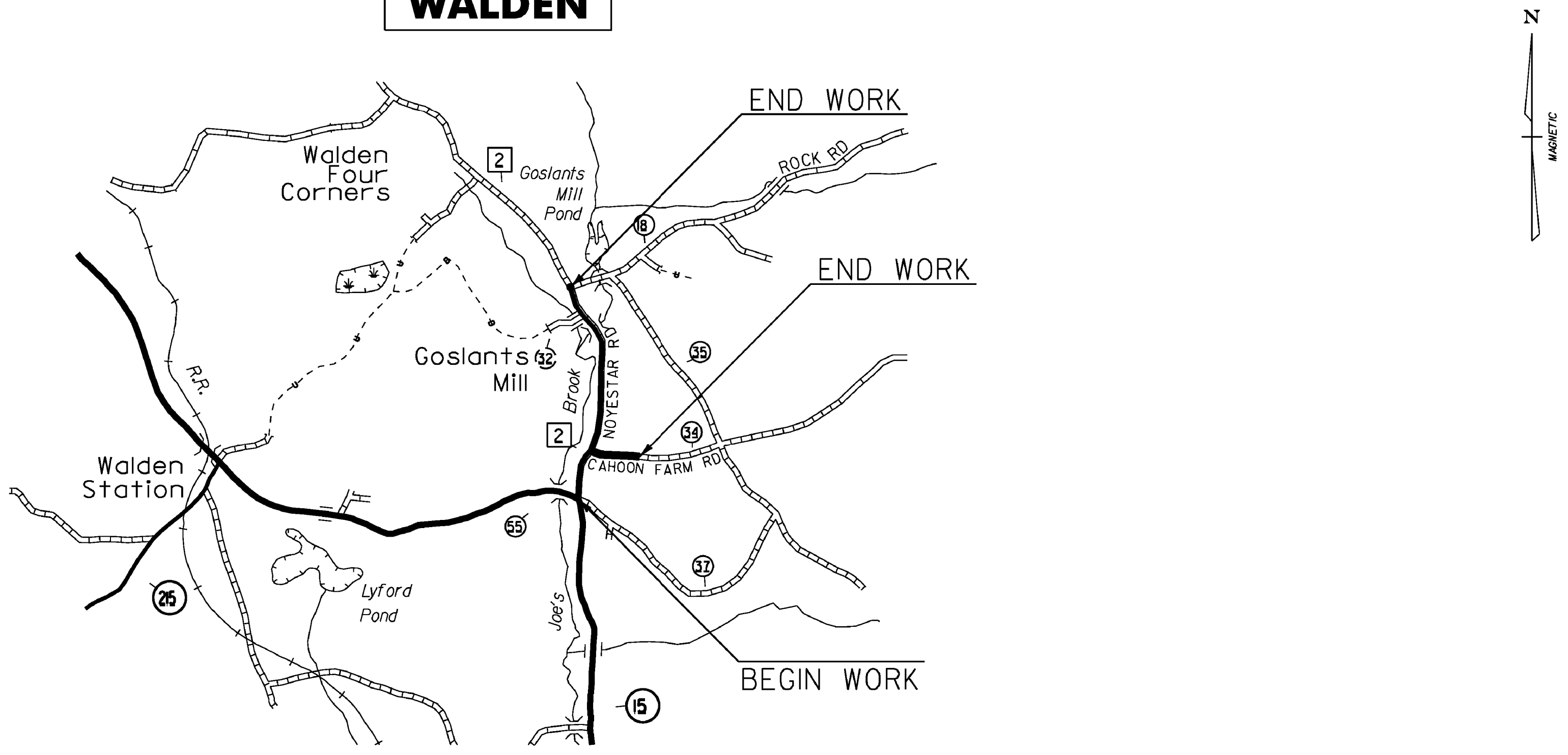
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PROJECT NUMBER:	STP HRRR(8)
FILE NAME:	d10k316_wrk.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	NLA
INDEX OF SHEETS & GENERAL NOTES	
PLOT DATE:	09-AUG-2011
DRAWN BY:	ITS
CHECKED BY:	JLS
SHEET	2 OF 28

### BARTON



BEGINNING AT THE INTERSECTION OF US ROUTE 5 AND EASTERN AVENUE / WILLOUGHBY LAKE ROAD (TH-1) IN THE TOWN OF BARTON, DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS EACH OTHER AS MILE MARKER 0.000 AND EXTENDING NORTHERLY 0.730 MILES TO THE VILLAGE TOWN LINE TO THE LOCATION WHERE THE WORK WILL BEGIN FOR THIS PORTION OF THE PROJECT AND FROM THE VILLAGE-TOWN LINE EXTENDING NORTHERLY 5.580 MILES TO THE BARTON-WESTMORE TOWNLINE (MM 6.31) TO CONCLUDE THIS PORTION OF THE PROJECT.

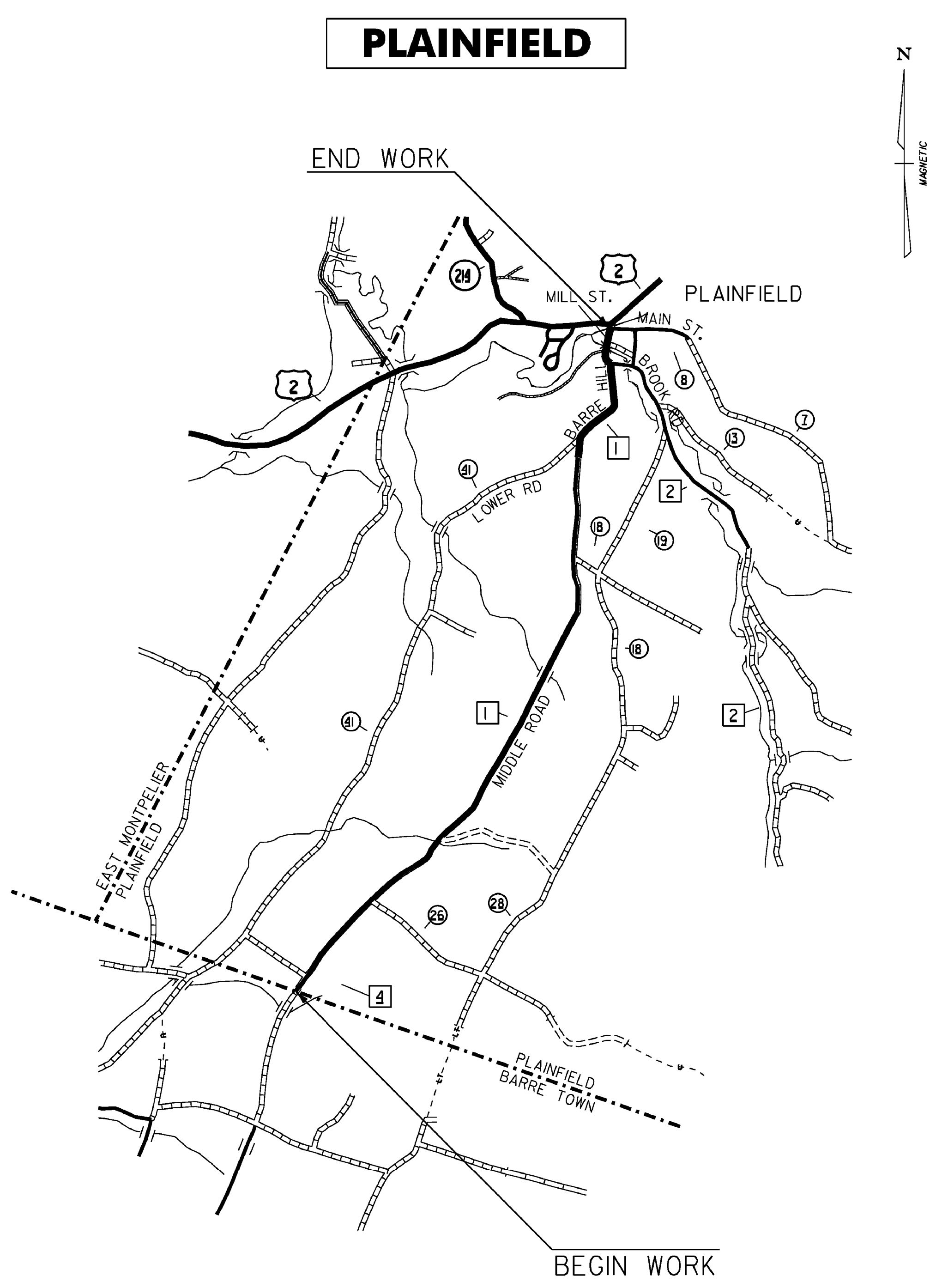
### WALDEN



BEGINNING AT THE INTERSECTION OF VT ROUTE 15 AND NOYESTAR ROAD (TH-2) IN THE TOWN OF WALDEN, DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS EACH OTHER AS MILE MARKER 0.000 AND EXTENDING NORTHERLY 1.033 MILES TO THE INTERSECTION OF NOYESTAR ROAD AND ROCK ROAD TO CONCLUDE THIS PORTION OF THE PROJECT.

ALSO ON ANOTHER ROADWAY, BEGINNING AT THE INTERSECTION OF NOYESTAR ROAD (TH-2) AND CAHOON FARM ROAD IN THE TOWN OF WALDEN DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS WITH EACH OTHER AS MILE MARKER 0.000 EXTENDING EASTERLY ALONG CAHOON FARM ROAD FOR A DISTANCE OF 0.258 MILES TO A FIELD DRIVE NEXT TO POLE \*WE/L37/R5 TO CONCLUDE THIS SEGMENT OF THIS PROJECT.

### PLAINFIELD



BEGINNING AT THE BARRE TOWN-PLAINFIELD TOWN LINE ON MIDDLE ROAD (TH-1) IN THE TOWN OF PLAINFIELD, DESIGNATING THE TOWN LINE AS MILE MARKER 0.000 AND EXTENDING NORTHERLY ALONG MIDDLE ROAD FOR A DISTANCE OF 3.33 MILES TO THE INTERSECTION OF MIDDLE ROAD, BARRE HILL ROAD, AND LOWER ROAD TO CONCLUDE THIS SEGMENT OF THIS PROJECT.

ON ANOTHER ROADWAY, BEGINNING AT THE INTERSECTION OF MIDDLE ROAD (TH-1), BARRE HILL ROAD AND LOWER ROAD IN THE TOWN OF PLAINFIELD, DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS WITH EACH OTHER AS MILE MARKER 0.000 EXTENDING NORTHERLY ALONG BARRE HILL ROAD FOR A DISTANCE OF 0.486 MILES TO THE INTERSECTION OF BARRE HILL ROAD, MILL STREET AND BROOK ROAD TO CONCLUDE THIS SEGMENT OF THIS PROJECT

ALSO ON ANOTHER ROADWAY, BEGINNING AT THE INTERSECTION OF BARRE HILL ROAD, MILL STREET AND BROOK ROAD IN THE TOWN OF PLAINFIELD, DESIGNATING WHERE THE CENTERLINE OF EACH ROAD INTERSECTS WITH EACH OTHER AS MILE MARKER 0.000 EXTENDING NORTHERLY ALONG MILL STREET ROAD FOR A DISTANCE OF 0.150 MILES TO THE INTERSECTION OF MILL STREET AND MAIN STREET TO CONCLUDE THIS SEGMENT OF THIS PROJECT

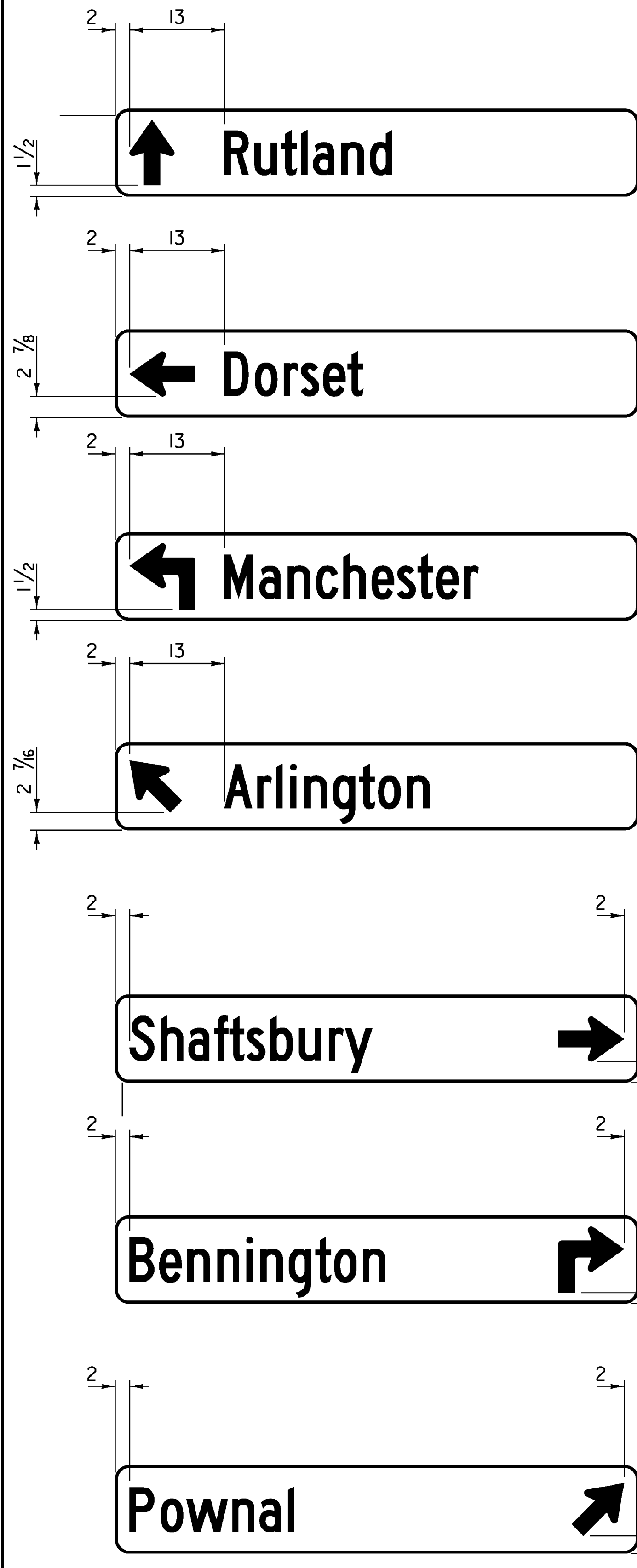
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	PROJECT NUMBER: STP HRRR(8)	DRAWN BY: ITS
	FILE NAME: d10k316_wrk.dgn	CHECKED BY: JLS
	PROJECT LEADER: JLS	SHEET 3 OF 28
	DESIGNED BY: NLA	
	LOCATION MAPS	

# QUANTITY SHEET 1

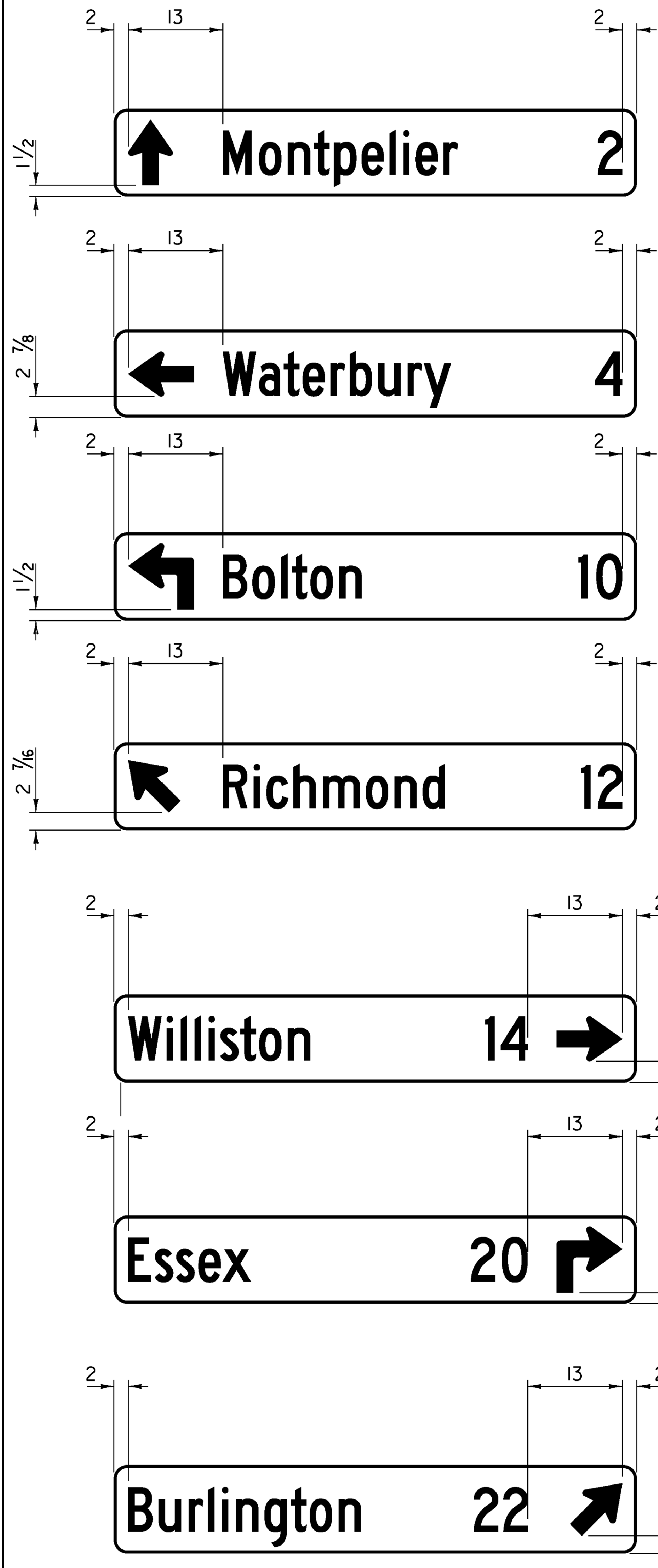
SUMMARY OF ESTIMATED QUANTITIES											TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
										ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
										500	500		CY	EARTH BORROW	203.30	EST.			
										1	1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	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.			
										2000	2000		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-			
										20	20		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
										1850	1850		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	-			
										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	-			
										66650	66650		LF	4 INCH WHITE LINE	646.20	16.4			
										175	175		LF	4 INCH YELLOW LINE	646.21	-			
										55	55		LF	24 INCH STOP BAR	646.26	-			
										20	20		EACH	LETTER OR SYMBOL	646.30	-			
										50	50		LB	SEED	651.15	EST.			
										50	50		LB	FERTILIZER	651.18	EST.			
										1	1		TON	AGRICULTURAL LIMESTONE	651.20	EST.			
										2.5	2.5		TON	HAY MULCH	651.25	EST.			
										25	25		CY	TOPSOIL	651.35	EST.			
										500	500		SY	TEMPORARY EROSION MATTING	653.20	EST.			
										679	679		SF	TRAFFIC SIGNS, TYPE A	675.20	0.93			
										1785	1785		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	-			
										68	68		EACH	REMOVING SIGNS	675.50	-			
										1	1		EACH	ERECTING SALVAGED SIGNS	675.60	EST.			
										59	59		EACH	SPECIAL PROVISION (DELINEATOR WITH STEEL POST)	900.620	-			
										850.25	850.25		LF	STEEL BEAM GUARDRAIL GALVANIZED, W/8 FT POST	621.205				
										2	2		EA	SUPPLEMENT AGREEMENT (STEEL BEAM GUARDRAIL GALVANIZED) (W/ W8x24x4'6" BRIDGE POST)	900.520				

PROJECT NAME: STATEWIDE NORTHEAST REGION  
 PROJECT NUMBER: STP HRRR(8)  
 FILE NAME: d:\0k316\_wrk.dgn  
 PROJECT LEADER: JLS  
 DESIGNED BY: NLA  
 QUANTITY SHEET  
 PLOT DATE: 09-AUG-2011  
 DRAWN BY: ITS  
 CHECKED BY: JLS  
 SHEET 4 OF 28

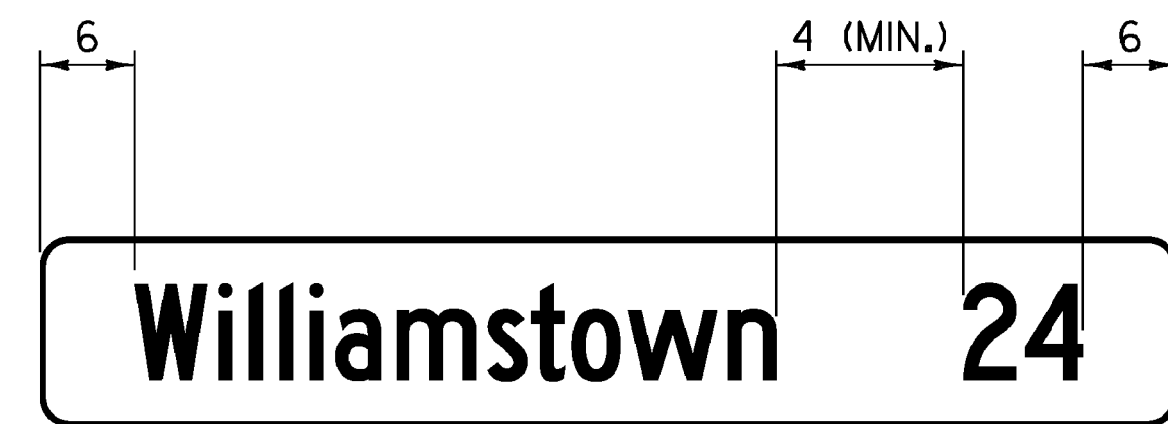
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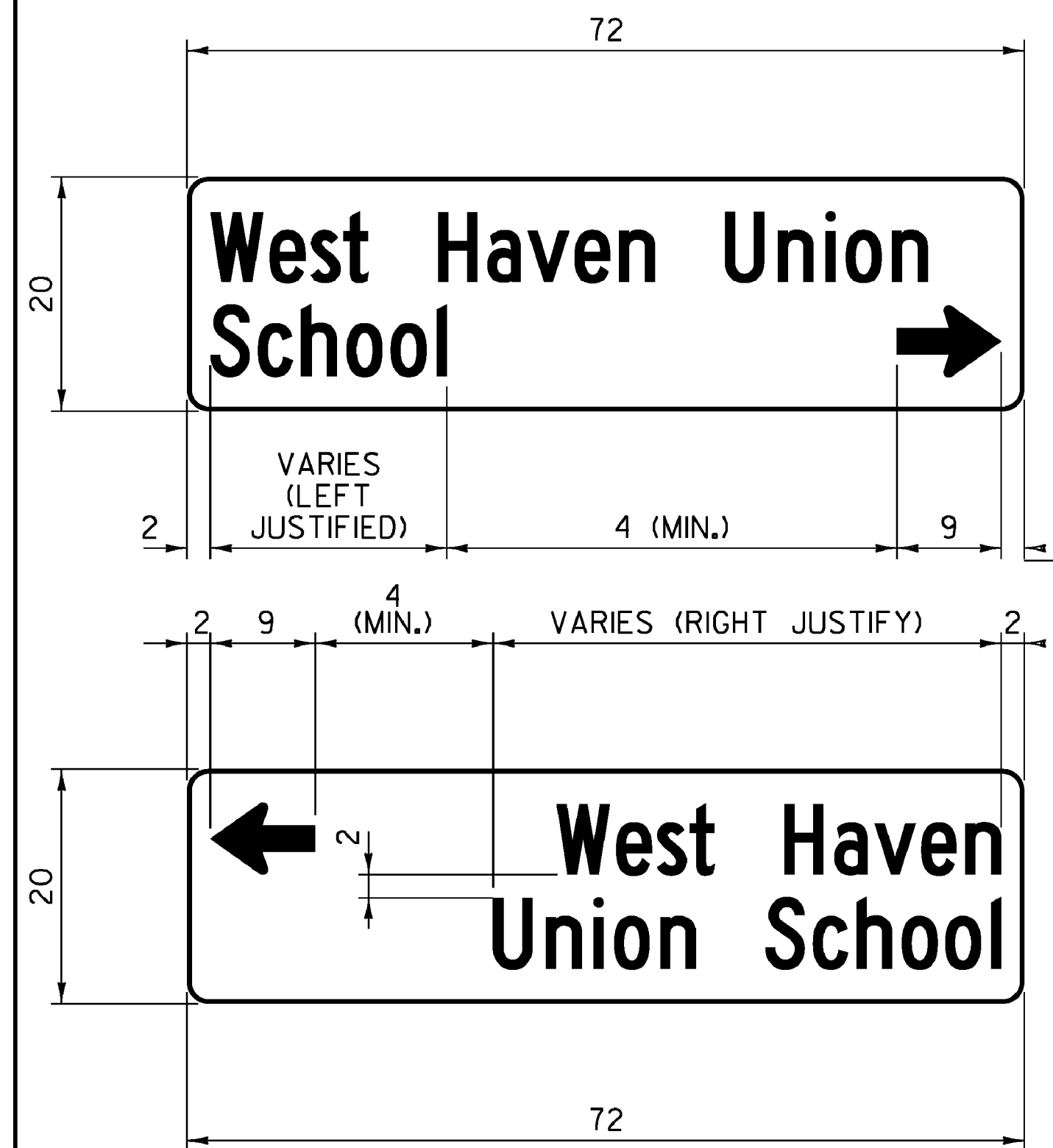
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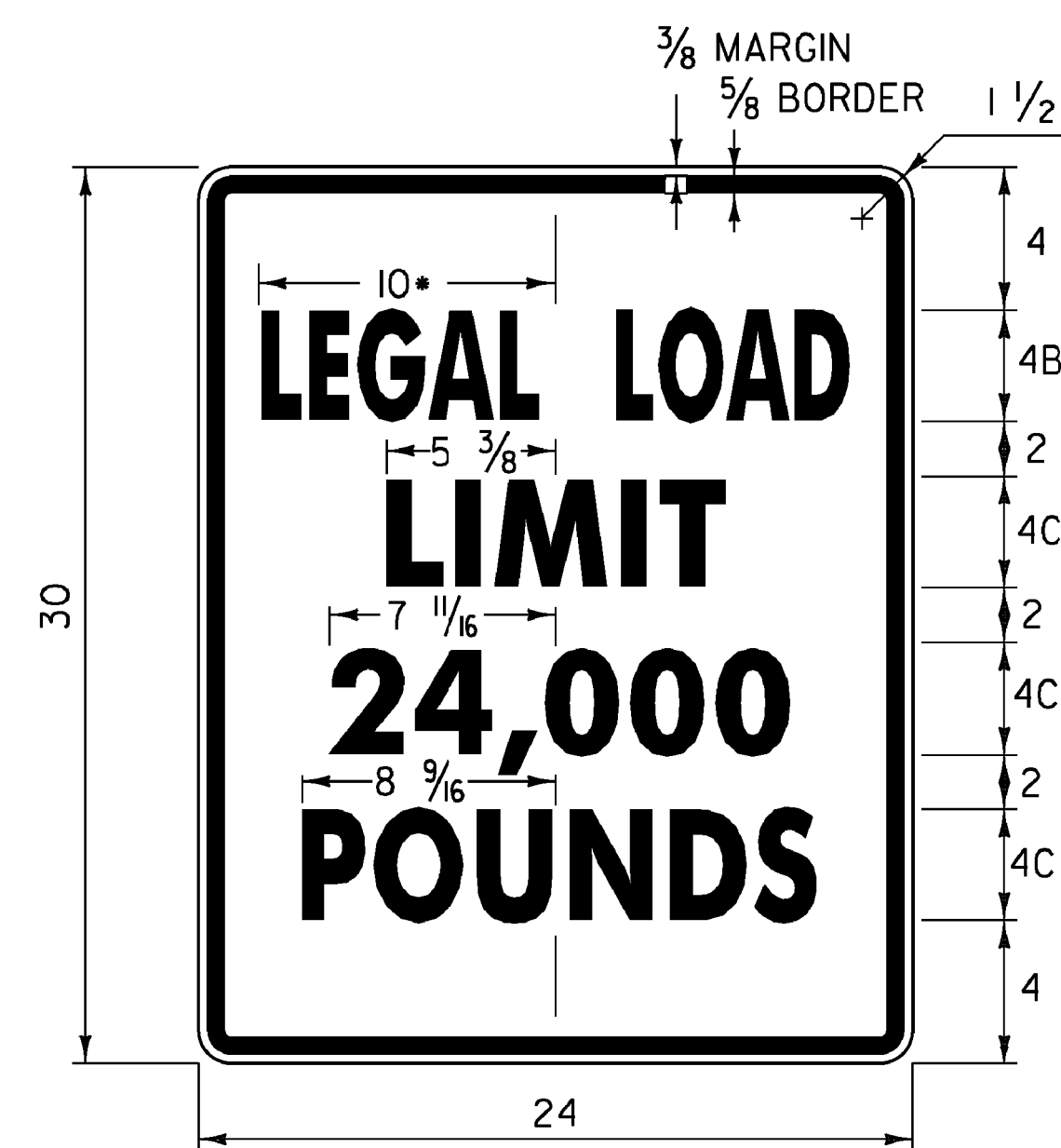
**VD2-1**



**VD2-1S**

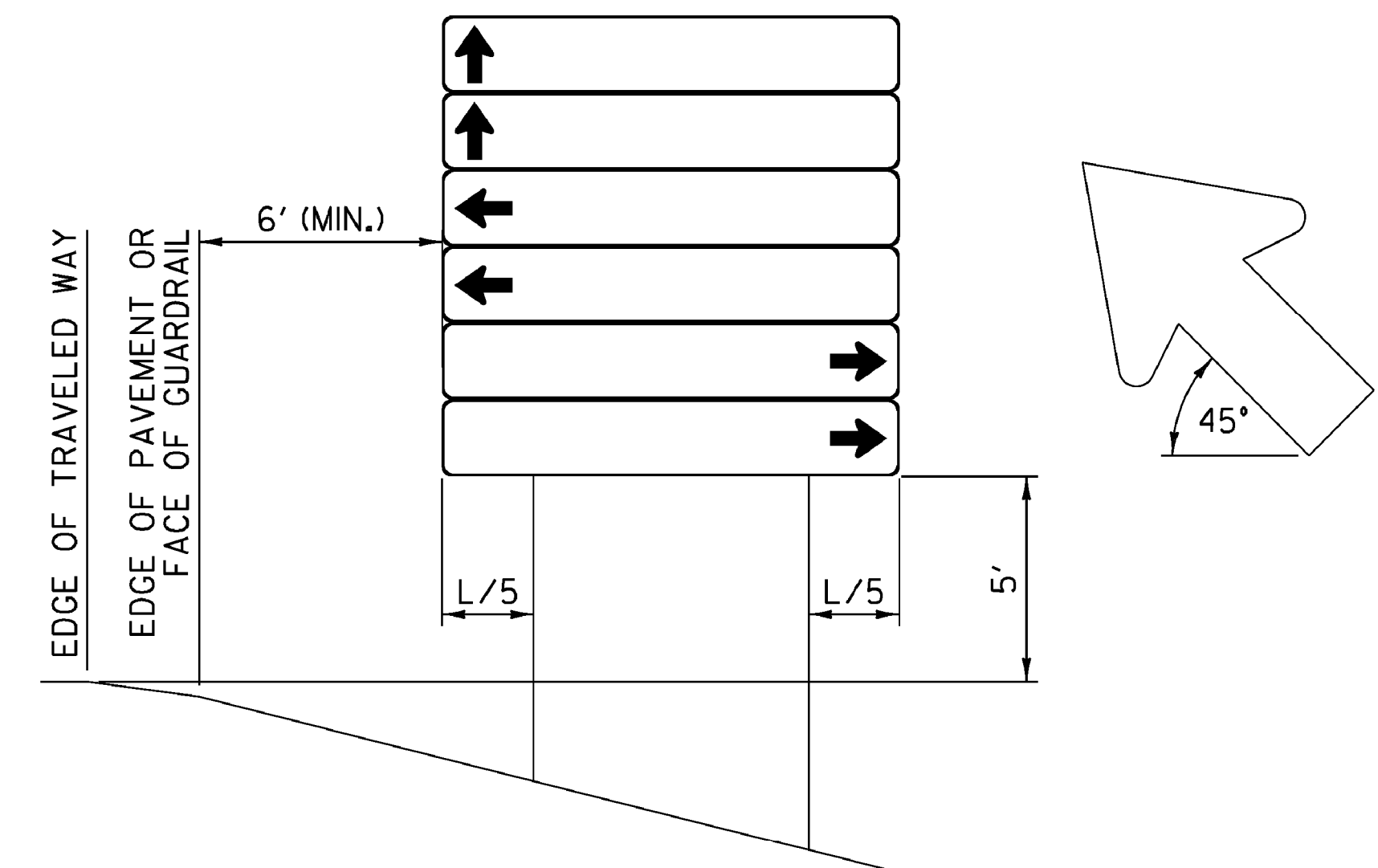
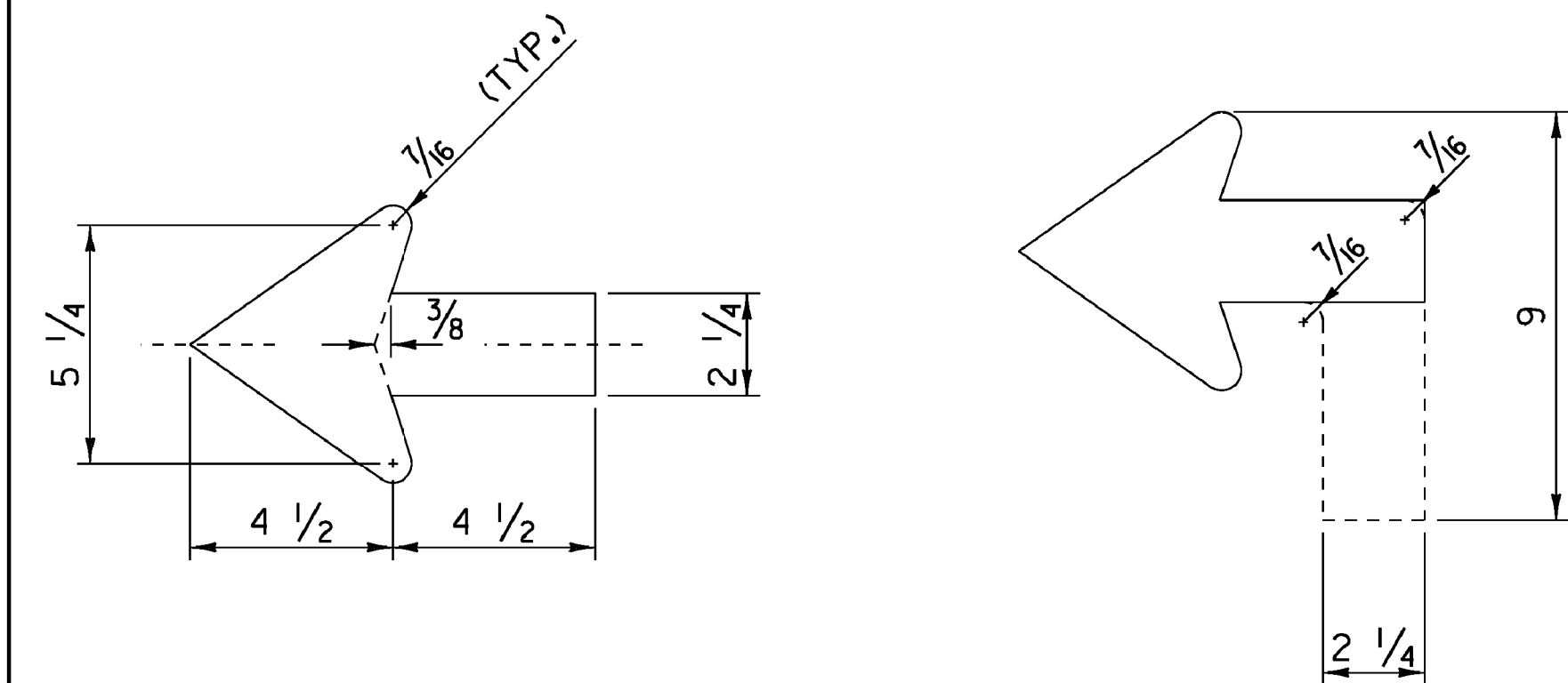


**VR-017**



\* REDUCE SPACING 50 %  
LINE 3 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



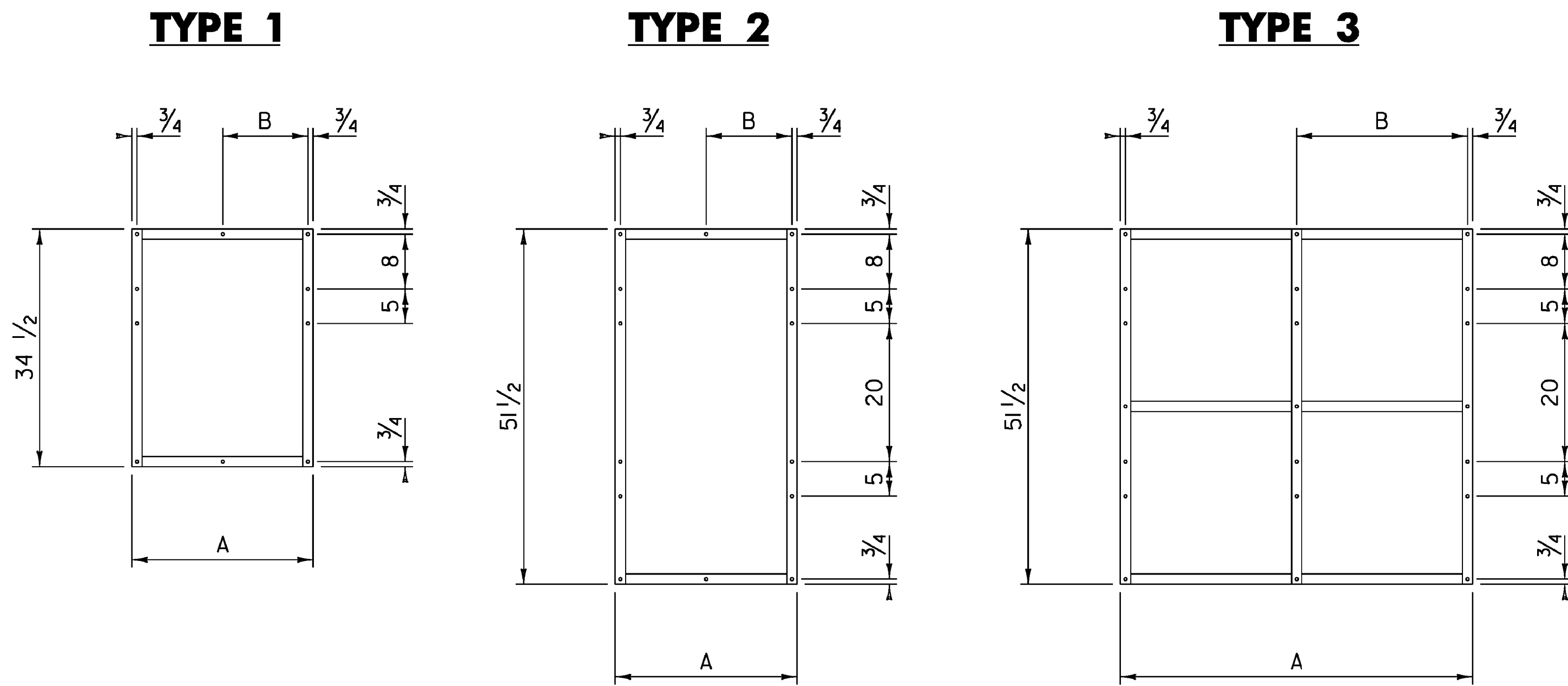
**INSTALLATION DETAIL**

**D-BOARD NOTES:**

- SIGN SUBSTRATE MATERIAL SHALL BE ALUMINUM SHEETING 0.125 INCHES MINIMUM THICKNESS.
- ALL SIGNS SHALL BE 72 INCH BY 12 INCH WITH CORNERS ROUNDED TO A 1/2 INCH RADIUS, UNLESS OTHERWISE NOTED.
- SIGNS SHALL HAVE A 3/8 INCH WIDE BORDER ROUNDED TO A 1/2 INCH RADIUS.
- 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.
- LEGEND SHALL BE CENTERED VERTICALLY
- LEGEND SHALL BE LOWER CASE WITH THE FIRST LETTERS CAPITALIZED.
- 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.
- SEQUENCE OF ARROWS TO BE AS SHOWN, TOP TO BOTTOM.
- SIGNS SHALL BE LIMITED TO TWO PER DIRECTION PER INSTALLATION WITH A MAXIMUM OF 6 SIGNS.
- ALL DIMENSIONS IN INCHES, UNLESS OTHERWISE NOTED.

PROJECT NAME: STATEWIDE NORTHEAST REGION  
PROJECT NUMBER: STP HRRR(8)

FILE NAME: d10k316\_wrk.dgn PLOT DATE: 09-AUG-2011  
PROJECT LEADER: JLS DRAWN BY: ITS  
DESIGNED BY: NLA CHECKED BY: JLS  
GENERAL SIGN DETAIL SHEET I SHEET 5 OF 28

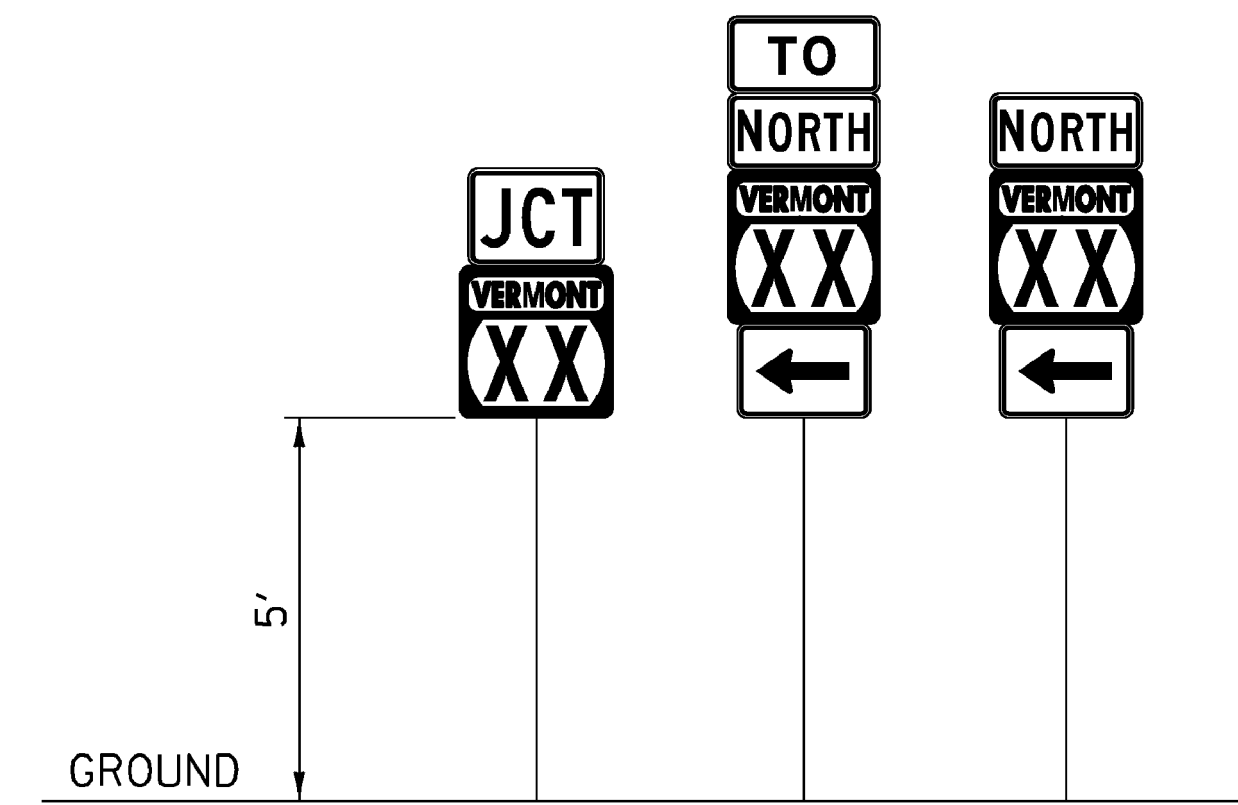


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1A	26 1/2	12 1/2
1B	29 1/2	15 1/2
1C	32 1/2	15 1/2

FRAME TYPE	A	B
2A	26 1/2	12 1/2
2B	29 1/2	15 1/2
2C	32 1/2	15 1/2

FRAME TYPE	A	B
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3B	54 1/2	28
3C	57 1/2	28
3D	63 1/2	31

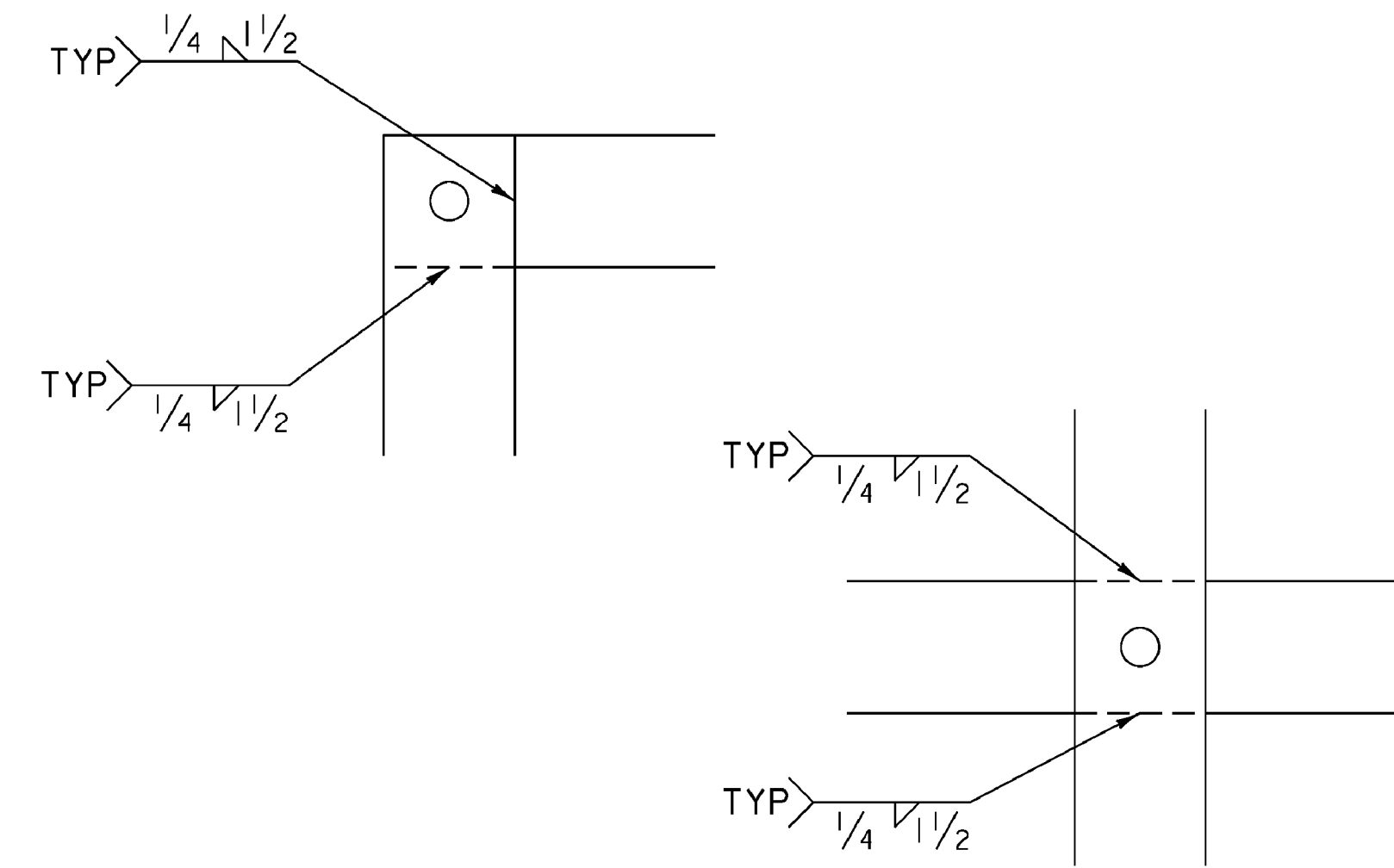
### ROUTE MARKER ASSEMBLY FRAMES



### GUIDE SIGN PLACEMENT DETAIL

#### NOTE:

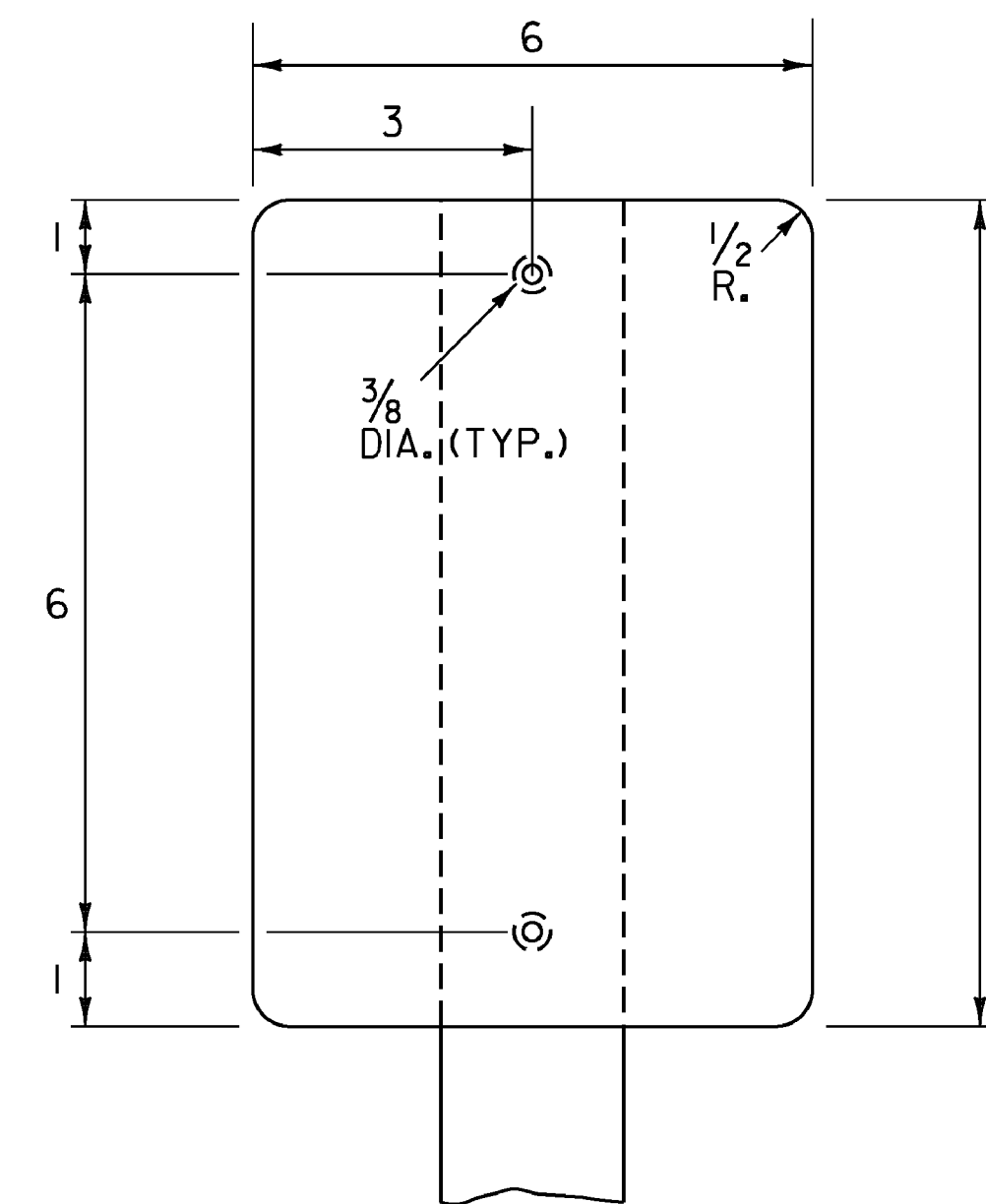
- IN ALL URBAN AREAS AND IN RURAL AREAS WHERE PARKING OR PEDESTRIAN TRAFFIC WILL OCCUR IN THE IMMEDIATE VICINITY OF THESE SIGNS, MINIMUM VERTICAL CLEARANCE SHALL BE INCREASED TO 7 FEET.



### WELDING DETAILS

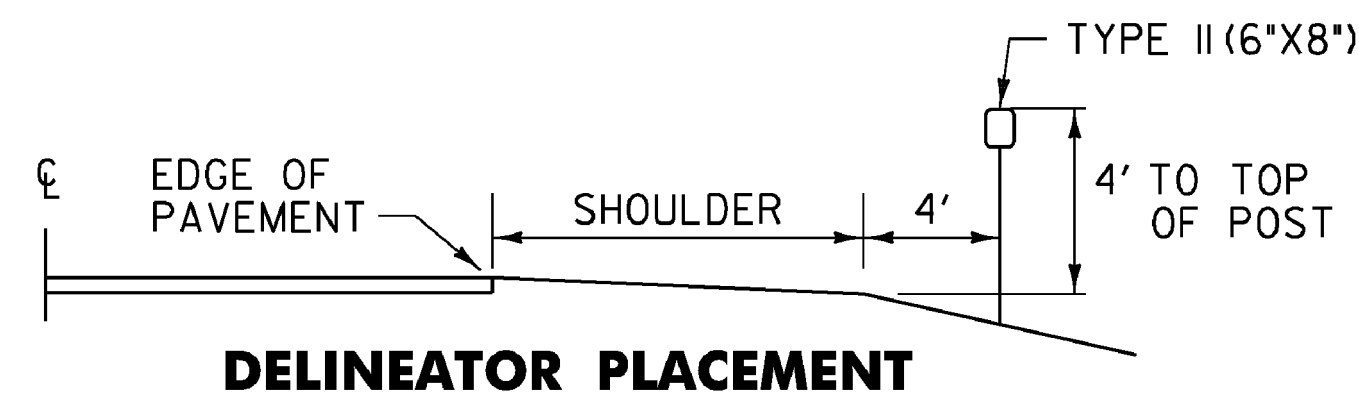
#### NOTES:

- 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 3/16 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 A-36 STEEL AASHTO M 270M/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.

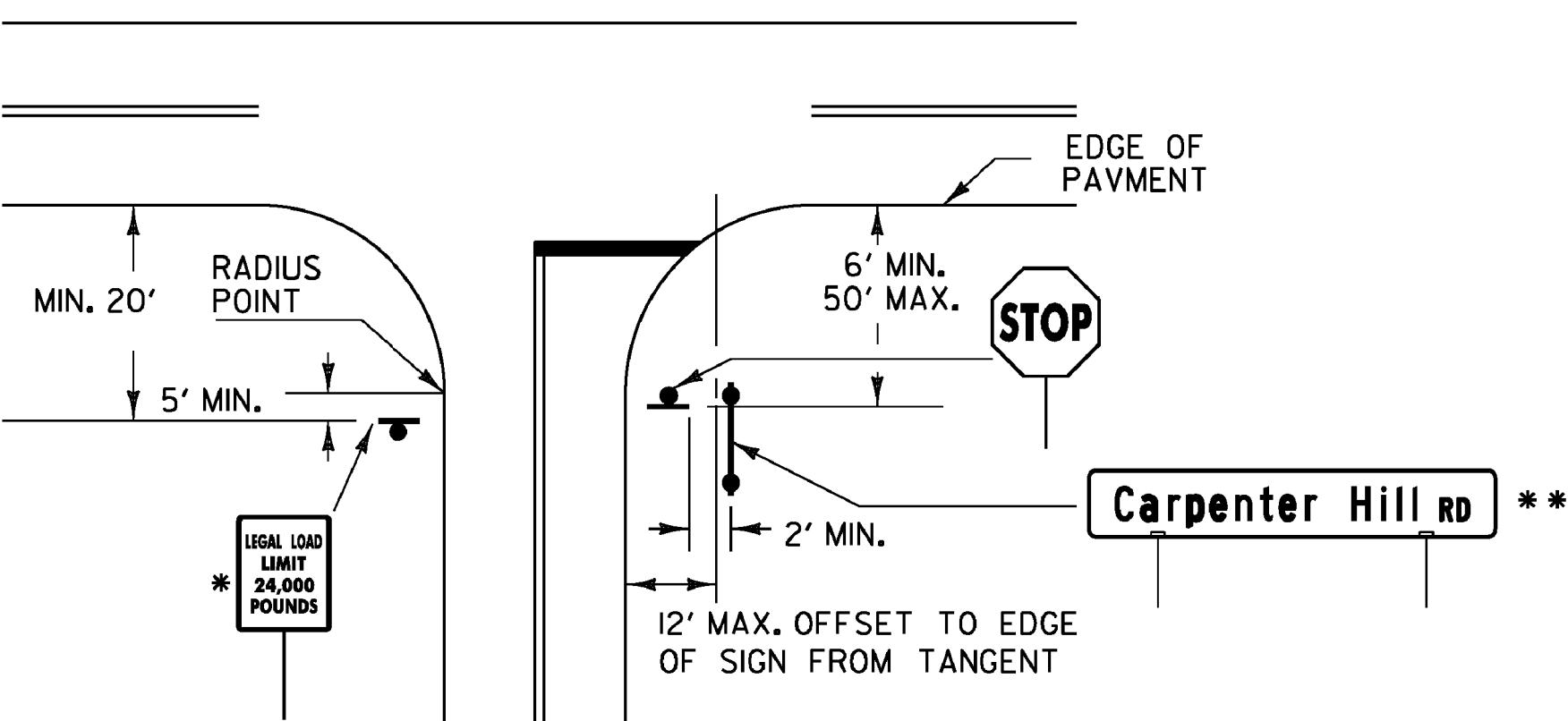


### TYPE II (6"x8") DELINEATOR DELINEATORS WITH RETROREFLECTIVE SHEETING

- MATERIAL FOR RETROREFLECTIVE SHEETING FOR DELINEATORS SHALL BE A 0.063" ALUMINUM BACKING WITH A WHITE ASTM TYPE III OR TYPE IV.
- ALL TYPE II (6"x8") DELINEATOR POSTS SHALL BE 1.88 LB/FT SQUARE STEEL WITH A 12 GAUGE ANCHOR, WITH AN ANCHOR REVEAL OF 2 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 ITEM 900.620 SPECIAL PROVISION (DELINEATOR WITH STEEL POST).



### DELINEATOR PLACEMENT



\* MAY VARY ACCORDING TO ROADWAY CONDITIONS. SIDE ROAD SPEED LIMIT SIGN MAY BE INSTALLED BENEATH THIS SIGN AS REQUIRED.

STOP SIGN SHALL BE PLACED ON DRIVER'S RIGHT. MAINTAIN MAXIMUM VISIBILITY. THE STOP SIGN DOES NOT HAVE TO BE ADJACENT TO THE STOP BAR.

\*\* STREET NAME SIGNS MAY BE INSTALLED AT 90 DEGREES ON TOP OF THE STOP SIGN IF STREET NAME SIGNS ARE 48 INCHES OR LESS IN LENGTH. IF THE STREET NAME SIGN IS 48 INCHES AND GREATER IN LENGTH THEN THE SIGN SHALL BE INSTALLED ON TWO SIGN POSTS TO THE RIGHT OF THE STOP SIGN AT A 2 FOOT MINIMUM LATERAL OFFSET MAINTAINING MAXIMUM VISIBILITY AT THE INTERSECTION FOR THE STOPPED VEHICLE.

### LEGAL LOAD LIMIT AND STOP SIGNS AT INTERSECTIONS WITH TOWN HIGHWAYS

#### STREET NAME SIGNS NOTES:

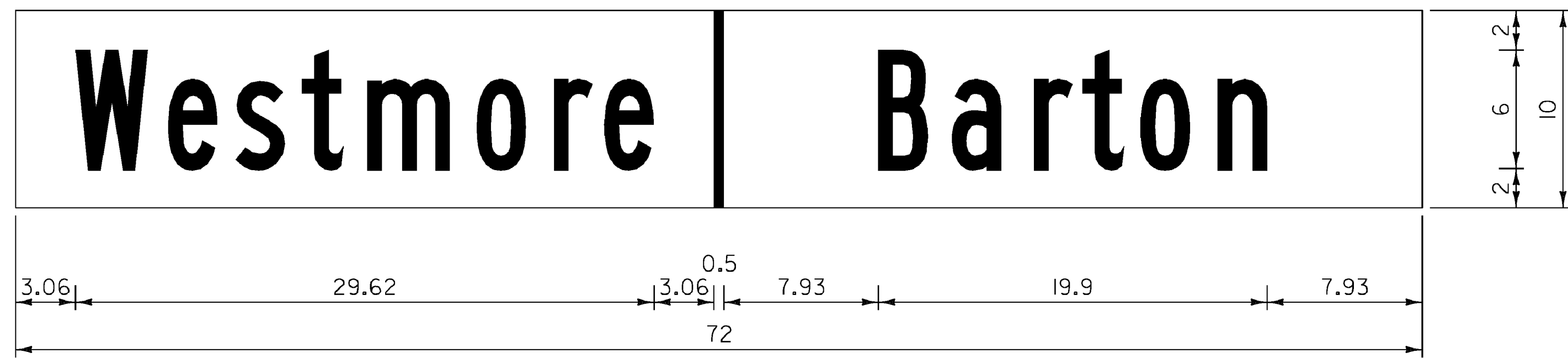
- THE SIGN BASE MATERIALS USED FOR THE STREET SIGNS MAY BE EITHER OF THE FOLLOWING:

A - EXTRUDED ALUMINUM BLADES  
B - FLAT ALUMINUM BLADES

THE MATERIAL FOR THE BLADES SHALL BE EITHER EXTRUDED ALUMINUM WITH A 0.25 INCH FLANGE THICKNESS AND A 0.090 INCH WEB (MIN) OR FLAT SHEET ALUMINUM WITH A MINIMUM THICKNESS OF 0.125 INCH. THE PREFERRED MOUNTING METHOD FOR STREET SIGNS IS POST TOP MOUNTING BRACKETS. HARDWARE FOR MOUNTING SIGNS TO POST SHALL BE INCIDENTAL TO OTHER ITEMS. MOUNTING METHOD WILL BE AS SHOWN ON THE PLANS. FOR POST TOP MOUNTINGS SIGNS SHALL HAVE TEXT ON BOTH SIDES.

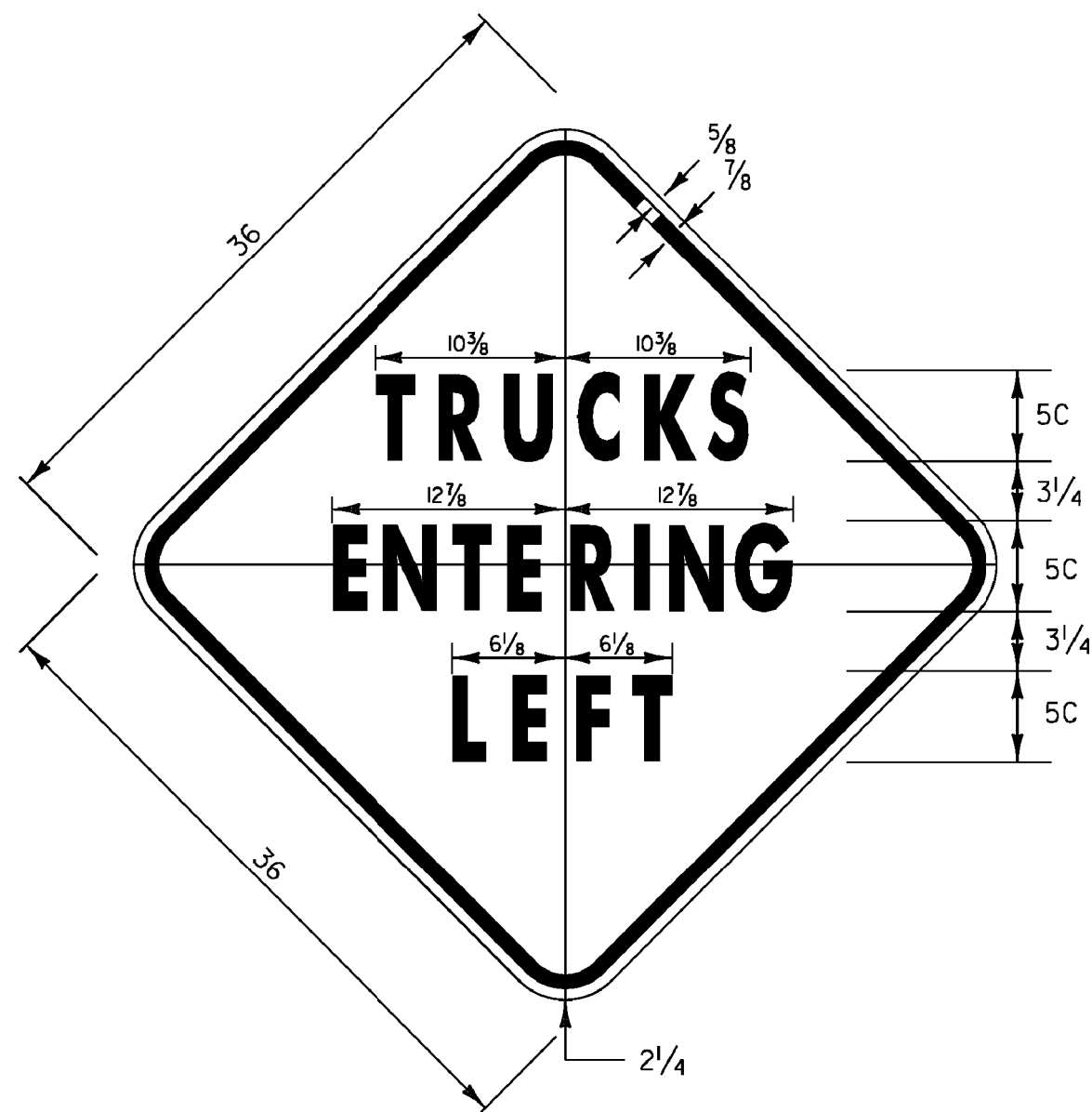
- ALL STREET NAME SIGN BASE MATERIAL ON THIS SHEET SHALL HAVE WHITE RETROREFLECTIVE ASTM TYPE III (MINIMUM) TEXT ON A GREEN RETROREFLECTIVE ASTM TYPE III (MINIMUM) BACKGROUND. THE COLORS SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

PROJECT NAME:	STATEWIDE NORTHEAST REGION
PROJECT NUMBER:	STP HRRR(8)
FILE NAME:	d10k316_wrk.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	NLA
GENERAL SIGN DETAIL SHEET 2	
PLOT DATE:	09-AUG-2011
DRAWN BY:	ITS
CHECKED BY:	JLS
SHEET 6	OF 28



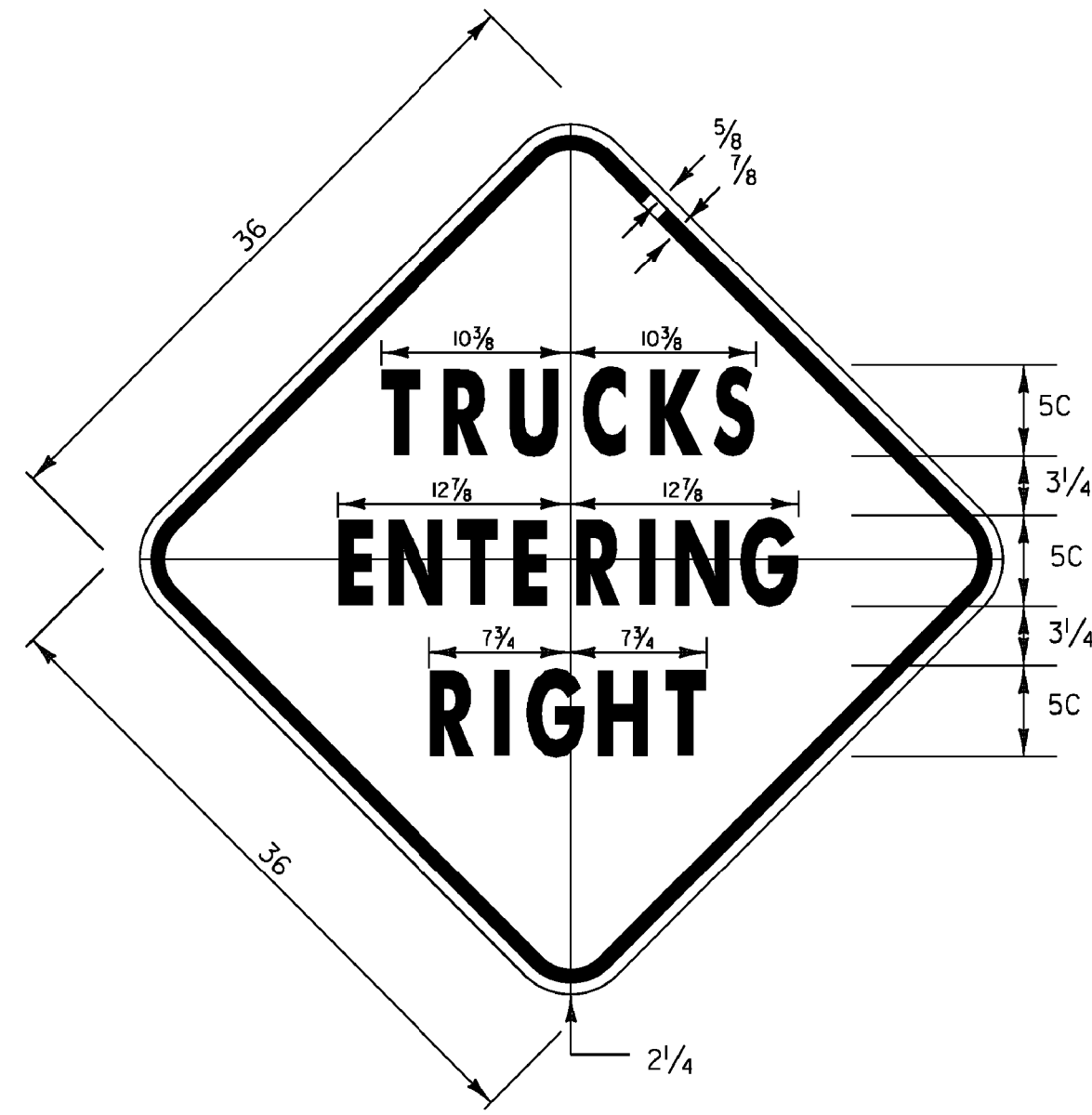
WHITE  
NO BORDER, BLACK ON GREEN;  
[WESTMORE] WHITE B; RECTANGLE WHITE; [BARTON] WHITE B;

**VD-024**



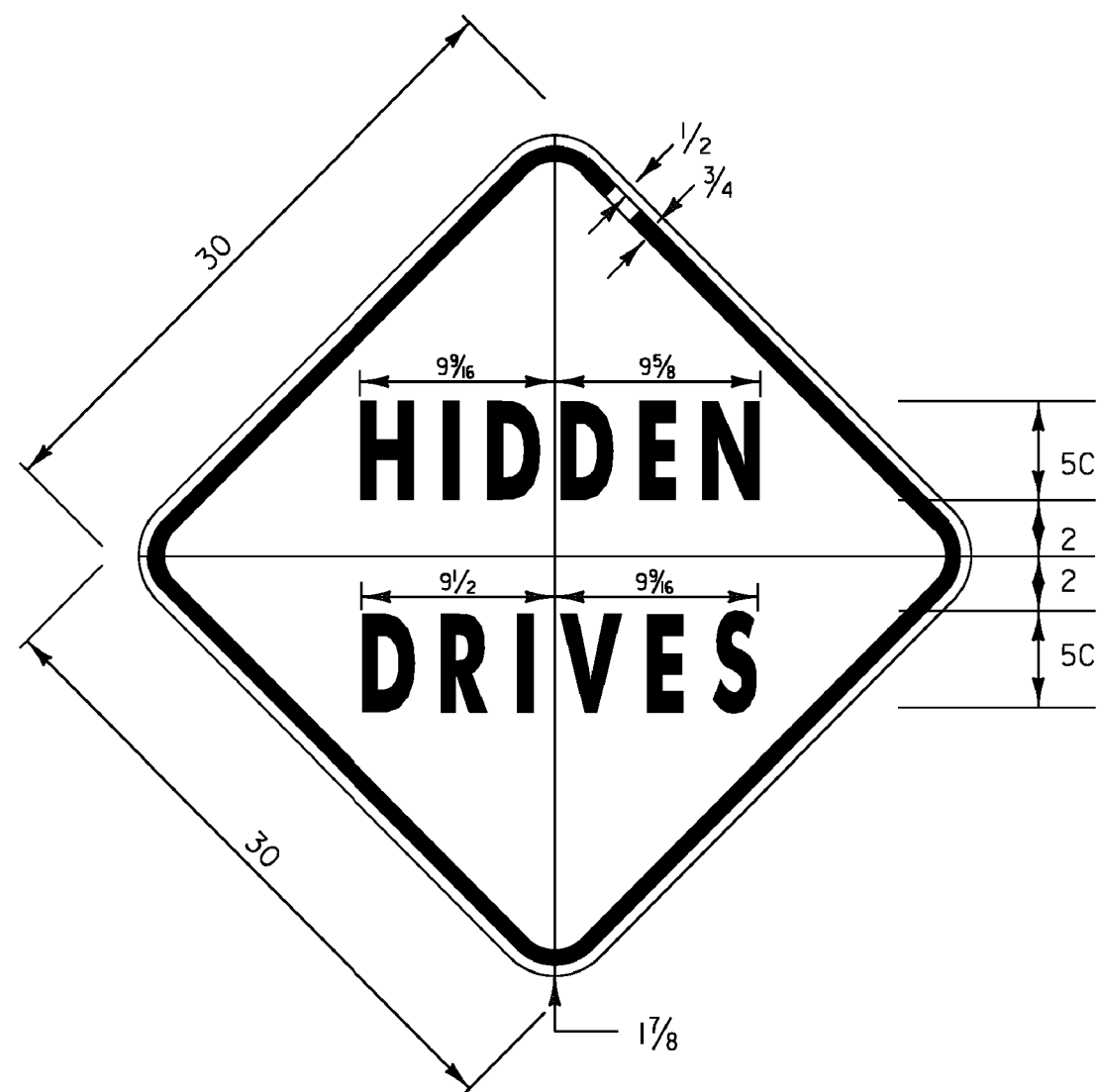
2.25" RADIUS, 0.875" BORDER, 0.625" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: C

**VW-084**



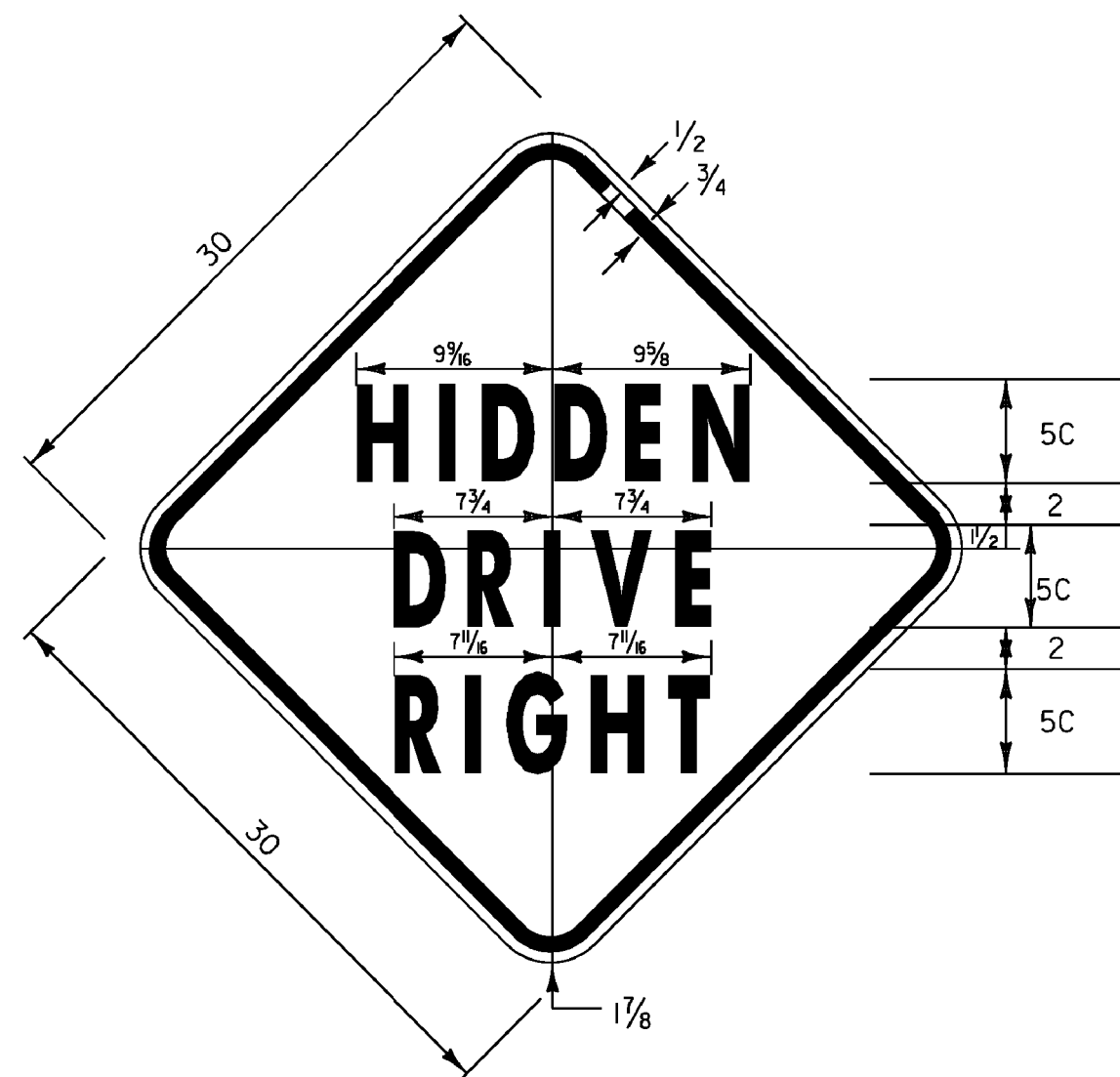
1.25" RADIUS, 0.875" BORDER, 0.625" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: C

**VW-081**



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

**VW-060**

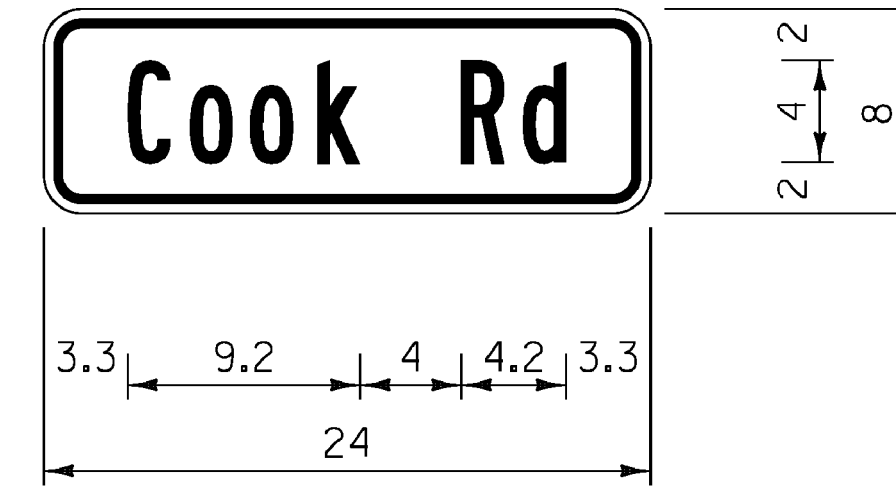


1.875" RADIUS, 0.75" BORDER, 0.50" INDENT  
COLORS: LEGEND - BLACK  
BACKGROUND - YELLOW  
TEXT STYLE: C

**VW-054**

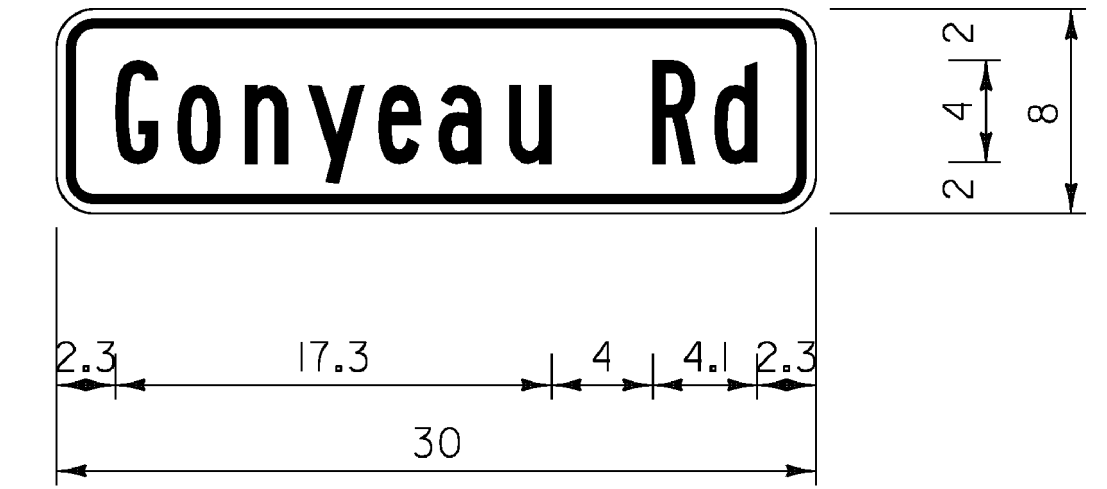
**BARTON**

**BARTON & PLAINFIELD**



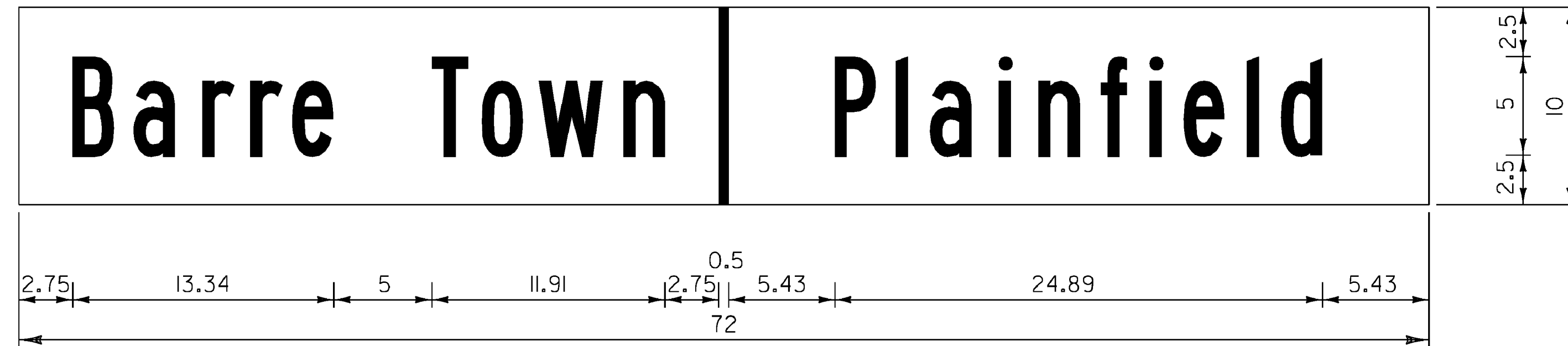
1.5" RADIUS, 0.4" BORDER, 0.4" INDENT, BLACK ON YELLOW;  
[COOK RD] B;

**W16-8P**



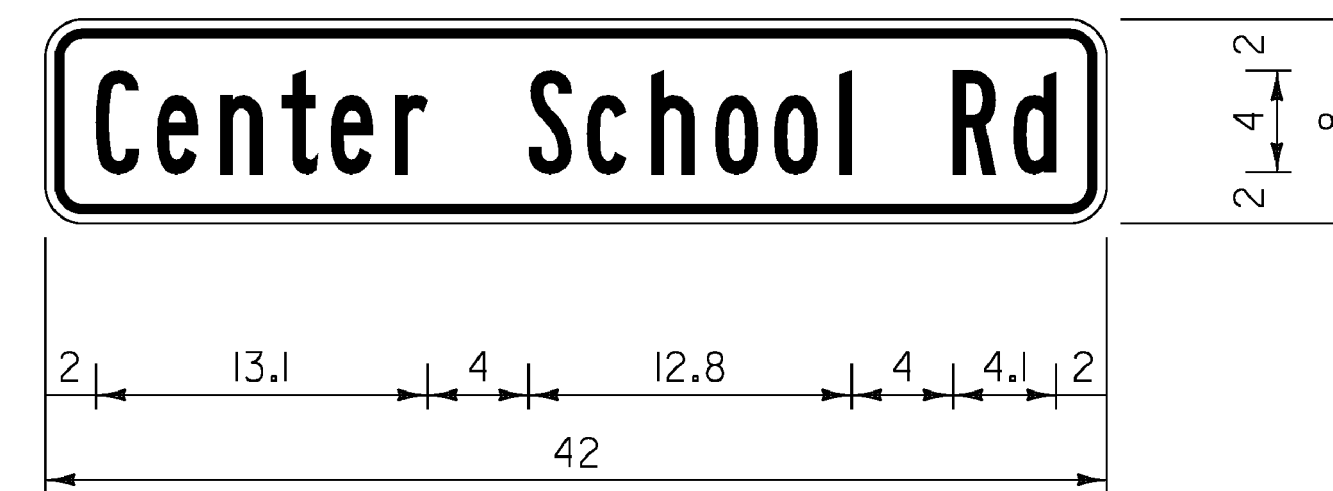
1.5" RADIUS, 0.375" BORDER, 0.375" INDENT, BLACK ON YELLOW;  
[GONYEAU RD] B;

**W16-8P**



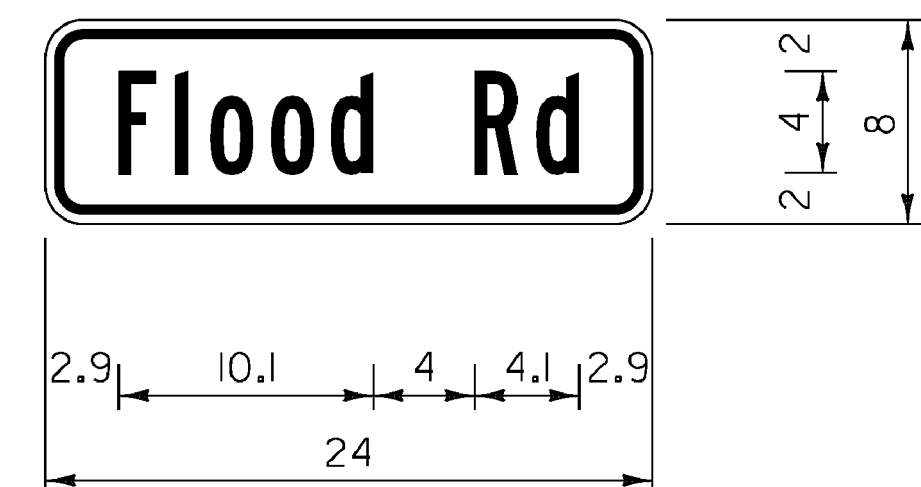
NO BORDER, WHITE ON GREEN;  
[BARRE TOWN] WHITE B; RECTANGLE WHITE; [PLAINFIELD] WHITE B;

**VD-024**



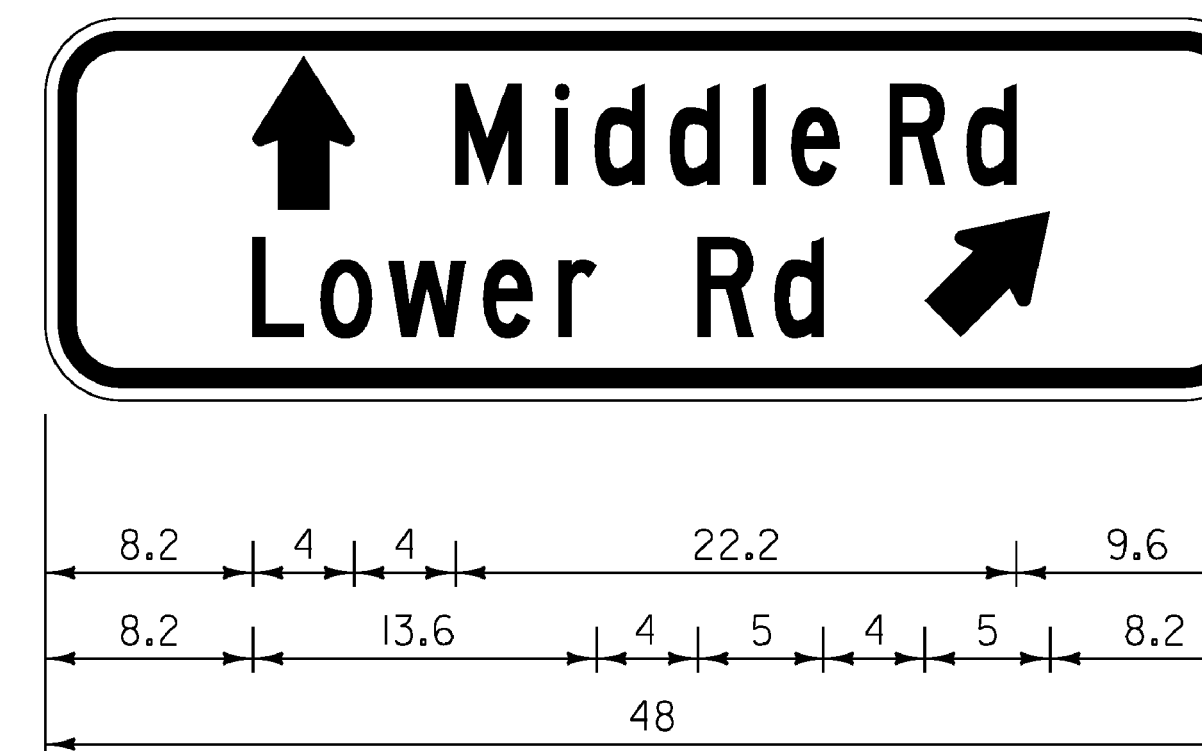
1.5" RADIUS, 0.375" BORDER, 0.375" INDENT, BLACK ON YELLOW;  
[CENTER SCHOOL RD] B SPECIFIED LENGTH;

**W16-8P**



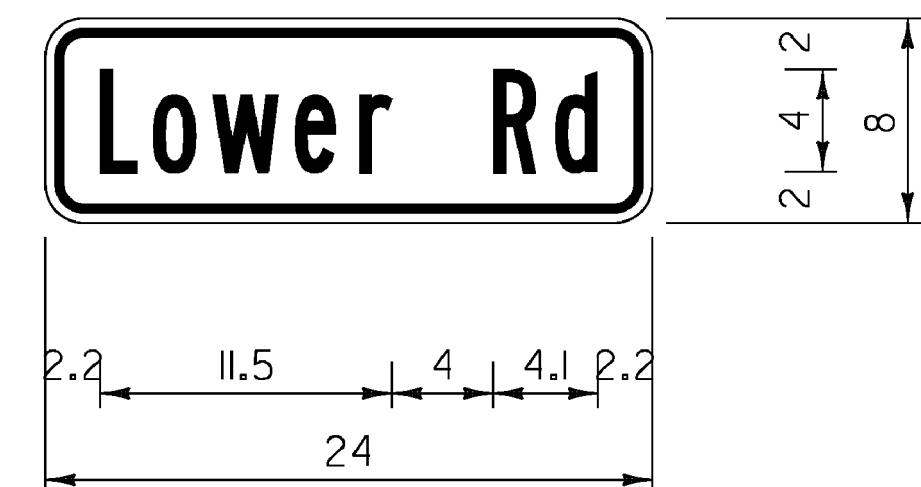
1.5" RADIUS, 0.375" BORDER, 0.375" INDENT, BLACK ON YELLOW;  
[FLOOD RD] B;

**W16-8P**



3.0" RADIUS, 0.75" BORDER, 0.5" INDENT, BLACK ON YELLOW;  
STANDARD ARROW CUSTOM 6.0" X 4.0" 90°; [MIDDLE RD] C;  
[LOWER RD] C; STANDARD ARROW CUSTOM 6.0" X 4.0" 45°;

**W16-8aP**



1.5" RADIUS, 0.375" BORDER, 0.375" INDENT, BLACK ON YELLOW;  
[LOWER RD] B;

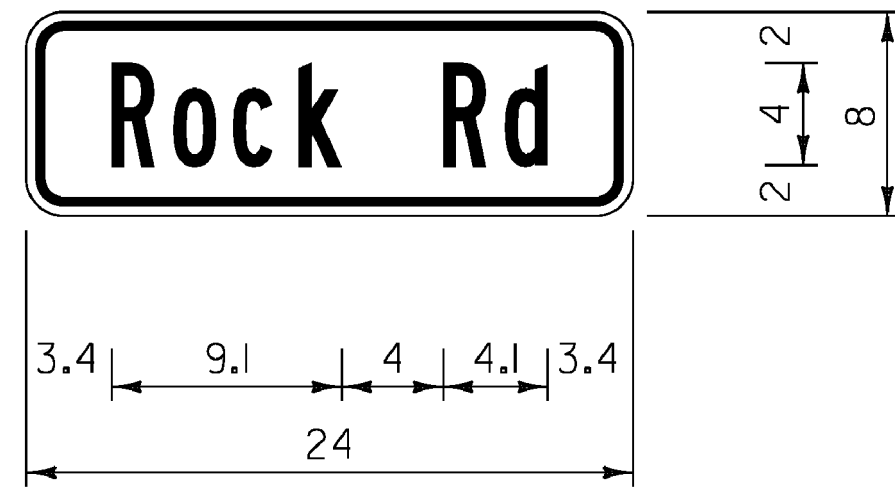
**W16-8P**

ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.

PROJECT NAME: STATEWIDE NORTHEAST REGION  
PROJECT NUMBER: STP HRRR(8)

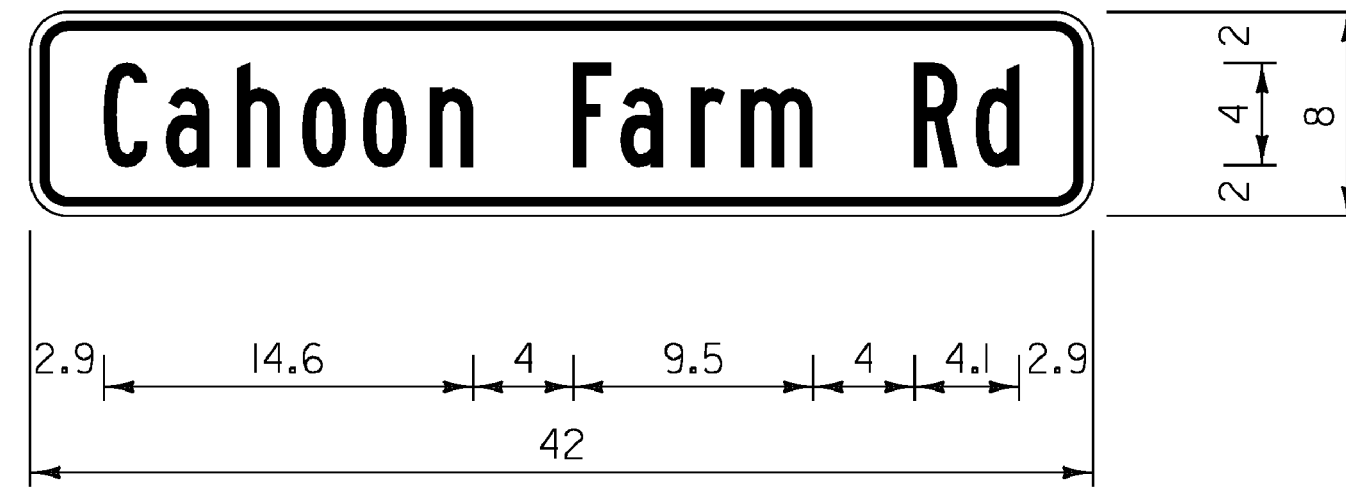
FILE NAME: 10k316\_wrk.dgn PLOT DATE: 09-AUG-2011  
PROJECT LEADER: JLS DRAWN BY: NLA  
DESIGNED BY: NLA CHECKED BY: JLS  
SPECIFIC TOWN SIGN DETAIL SHEET 1 SHEET 7 OF 28

**PLAINFIELD**



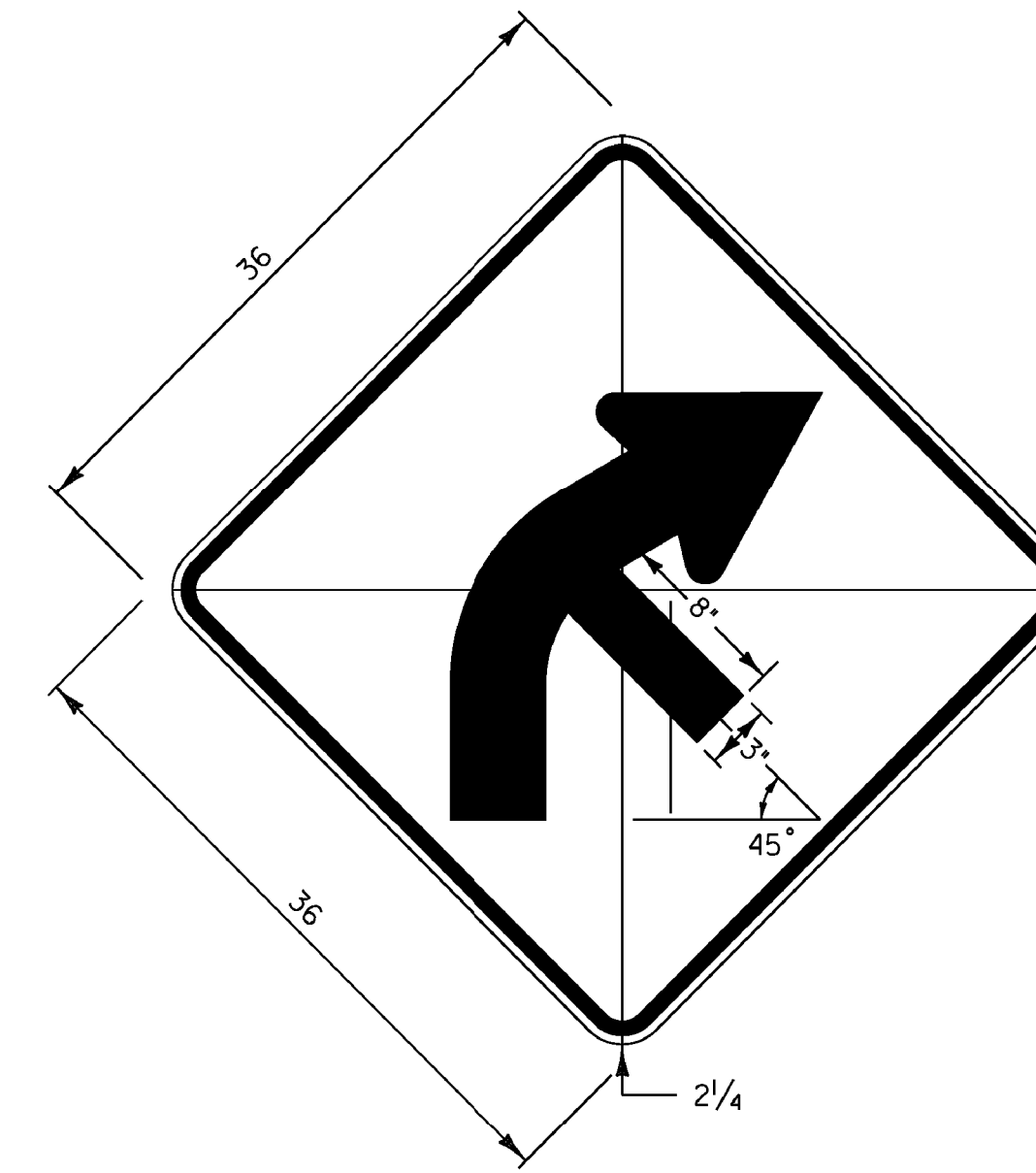
1.5" RADIUS, 0.375" BORDER, 0.375" INDENT, BLACK ON YELLOW;  
[ROCK RD] B;

**W16-8P**



1.5" RADIUS, 0.375" BORDER, 0.375" INDENT, BLACK ON YELLOW;  
[CAHOON FARM RD] B;

**W16-8P**



**W1-2Mb R(L)**

DIMENSIONS NOT SHOWN  
FOR THIS DETAIL SHALL CONFORM  
TO THE LATEST EDITION OF THE 2009  
MUTCD FOR SIGN DETAIL W1-2.  
UNLESS OTHERWISE NOTED FOR THIS DETAIL

PROJECT NAME: STATEWIDE NORTHEAST REGION  
PROJECT NUMBER: STP HRRR(8)

FILE NAME: 10k316\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
SPECIFIC TOWN SIGN DETAIL SHEET 2

PLOT DATE: 09-AUG-2011  
DRAWN BY: NLA  
CHECKED BY: JLS  
SHEET 8 OF 28








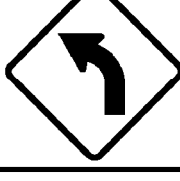




**WALDEN**







# TRAFFIC SIGN SUMMARY SHEET 4 - BARTON

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 <small>SHS = STANDARD HIGHWAY SIGN BOOK</small>	SIGN DETAIL				
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE		FOUNDATION			lb/ft						DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER		
																	1.75	2.00	2.50	3.00	3.50	4.00	5.00							
NB	MM 2.610, RT	A	WI-2L	30	30			6.25								I	X						INSTALL NEW SIGN AND POST 75 FT SOUTH OF THE PULL OFF	X						
		A	WI3-IP	18	18			2.25															INSTALL NEW PLAQUE BELOW WI-2L SIGN ON THE SAME POST	X						
NB	MM 2.630, RT TO MM 2.730, RT	A B		6	8		(14) TYPE II - 6" X 8" WHITE DELINEATORS																INSTALL NEW DELINEATORS (14) BACK-TO-BACK 70 FT APART ON 7 POSTS, INSTALL FIRST 32 FT NORTH OF THE PULL OFF		6					
SB	MM 2.720, LT	F	WI-2R	30	30			6.25								I	X						INSTALL NEW SIGN AND POST 265 FT SOUTH OF POLE B/76/1/84	X						
		F	WI3-IP	18	18			2.25															INSTALL NEW PLAQUE BELOW WI-2R SIGN ON THE SAME POST	X						
NB	MM 2.840, RT TO MM 2.900, RT	A B		6	8		(8) TYPE II - 6" X 8" WHITE DELINEATORS																INSTALL NEW DELINEATORS (8) BACK-TO-BACK 85 FT APART ON 4 POSTS, INSTALL FIRST 50 FT NORTH OF FLD DR.		6					
NB	MM 2.850, RT	A	WI-IOL	36	36			9.00								2	X						INSTALL NEW SIGN ON 2 POSTS 103 FT NORTH OF FLD DR.	X						
		A	WI6-8P	24	8			1.33															INSTALL NEW PLAQUE BELOW WI-IOL SIGN ON THE SAME POSTS		7					
NB	MM 2.940, RT	D	RI-I	30	30			6.25					X	X	I	X							REPLACE EXISTING SIGN AND POST 37 FT SOUTH OF POLE 84/NET/7/88/107	X						
NB	MM 2.960, RT	A	WI-2L	30	30			6.25					X	X	I	X							REPLACE EXISTING SIGN AND POST 158 FT SOUTH OF POLE B/7/85/NET/89	X						
		A	WI3-IP	18	18			2.25															INSTALL NEW PLAQUE BELOW WI-2L SIGN ON THE SAME POST	X						
NB	MM 2.980, RT TO MM 3.040, RT	A B		6	8		(8) TYPE II - 6" X 8" WHITE DELINEATORS																INSTALL NEW DELINEATORS (8) BACK-TO-BACK 70 FT APART ON 4 POSTS, INSTALL FIRST 53 FT SOUTH OF POLE B/7/85/NET/89		6					
SB	MM 3.110, LT	F	WI-2R	30	30			6.25								I	X						INSTALL NEW SIGN AND POST 50 FT SOUTH AND ACROSS FROM POLE # 88/NET/92	X						
		F	WI3-IP	18	18			2.25															INSTALL NEW PLAQUE BELOW WI-2R SIGN ON THE SAME POST	X						
SB	MM 3.380, LT	F	WI-2R	30	30			6.25					*	*	I	X							REPLACE EXISTING SIGN AND POST 25 FT SOUTH OF POLE #45-01	X						
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".																														
<b>SHEET SUBTOTALS</b>								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
								56.83																						

PROJECT NAME: STATEWIDE NORTHEAST REGION  
 PROJECT NUMBER: STP HRRR(8)  
 FILE NAME: d10k316\_wrk.dgn  
 PROJECT LEADER: JLS  
 DESIGNED BY: NLA  
 BARTON TRAFFIC SIGN SUMMARY 4

PLOT DATE: 09-AUG-2011  
 DRAWN BY: ITS  
 CHECKED BY: JLS  
 SHEET 12 OF 28









# TRAFFIC SIGN SUMMARY SHEET 2 - PLAINFIELD










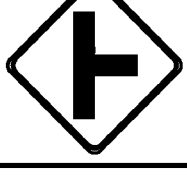



DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS			EXISTING POST		NO. OF NEW POSTS	SQUARE STEEL (in)			TUBULAR STEEL O/(in)				SIGN FRAME REQUIRED	REMARKS  SHS = STANDARD HIGHWAY SIGN BOOK	SIGN DETAIL							
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN		REMOVE	FOUNDATION			lb/ft					DETAIL IN SHS	DETAIL ON SHEET NUMBER	STANDARD SHEET NUMBER					
																	1.75	2.00	2.50	3.00	3.50	4.00						5.00				
SB	MM 0.570, LT	F	R2-1	24	30			5.00				X		X	1	X							REPLACE EXISTING SIGN AND POST 106 FT NORTH OF POLE #83	X								
SB	MM 0.600, LT	G	RI-1	30	30							X		X									REMOVE EXISTING SIGN AND POST									
SB	MM 0.600, LT	G	WI-7	48	24			8.00							2	X							INSTALL NEW SIGN ON 2 POSTS 265 FT NORTH OF POLE #83	X								
NB	MM 0.610, RT	D	RI-1	30	30			6.25							1	X							INSTALL NEW SIGN AND POST 320 FT NORTH AND ACROSS FROM POLE #83	X								
NB	MM 0.630, RT	A	R2-1	24	30			5.00				X		X	1	X							REPLACE EXISTING SIGN AND POST 150 FT NORTH OF GONYEAU ROAD INTERSECTION	X								
SB	MM 0.640, LT	F	W2-2L	30	30			6.25							1	X							INSTALL NEW SIGN AND POST 200 FT NORTH OF GONYEAU ROAD INTERSECTION	X								
		F	W16-8P	30	8			1.67															INSTALL NEW PLAQUE BELOW W2-2L SIGN ON THE SAME POST			7						
SB	MM 1.050, LT TO MM 1.120, LT	F E		6	8		(14) TYPE II - 6" X 8" WHITE DELINEATORS																INSTALL NEW DELINEATORS (14) BACK-TO-BACK 60 FT APART ON 7 POSTS			6						
SB	MM 1.460, LT TO MM 1.510, LT	F E		6	8		(10) TYPE II - 6" X 8" WHITE DELINEATORS																INSTALL NEW DELINEATORS (10) BACK-TO-BACK 60 FT APART ON 5 POSTS			6						
NB	MM 2.280, RT	A	R2-1	24	30			5.00							1	X							INSTALL NEW SIGN AND POST 210 FT SOUTH OF POLE #WE/56/L6/RI	X								
SB	MM 2.280, LT	F	R2-1	24	30			5.00							1	X							INSTALL NEW SIGN AND POST 210 FT SOUTH AND ACROSS FROM POLE #WE/56/L6/RI	X								
NB	MM 2.690, RT	A	W2-2R	30	30			6.25							2	X							INSTALL NEW SIGN ON 2 POSTS 250 FT SOUTH OF INTERSECTION OF CENTER SCHOOL ROAD	X								
		A	W16-8P	42	8			2.33															INSTALL NEW PLAQUE BELOW W2-2R SIGN ON THE SAME POSTS			7						
SB	MM 2.720, LT	F	R2-1	24	30			5.00				X		X	1	X							REPLACE EXISTING SIGN AND POST 100 FT SOUTH AND ACROSS FROM CENTER SCHOOL ROAD	X								
SB	MM 2.740, LT	G	WI-7	48	24			8.00							2	X							INSTALL NEW SIGN ON 2 POSTS ACROSS FROM CENTER SCHOOL ROAD	X								
<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 VTRANS "SIGN POST DESIGN GUIDE".</p>																																
<b>SHEET SUBTOTALS</b>								SF 63.75	SF	EA 4	EA 4	EA 13	FT 195	EA	LB											PROJECT NAME: STATEWIDE NORTHEAST REGION PROJECT NUMBER: STP HRRR(8)						
																								FILE NAME: d10k316_wrk.dgn PROJECT LEADER: JLS DESIGNED BY: NLA PLAINFIELD TRAFFIC SIGN SUMMARY 2				PLOT DATE: 09-AUG-2011 DRAWN BY: ITS CHECKED BY: JLS SHEET 17 OF 28				



















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

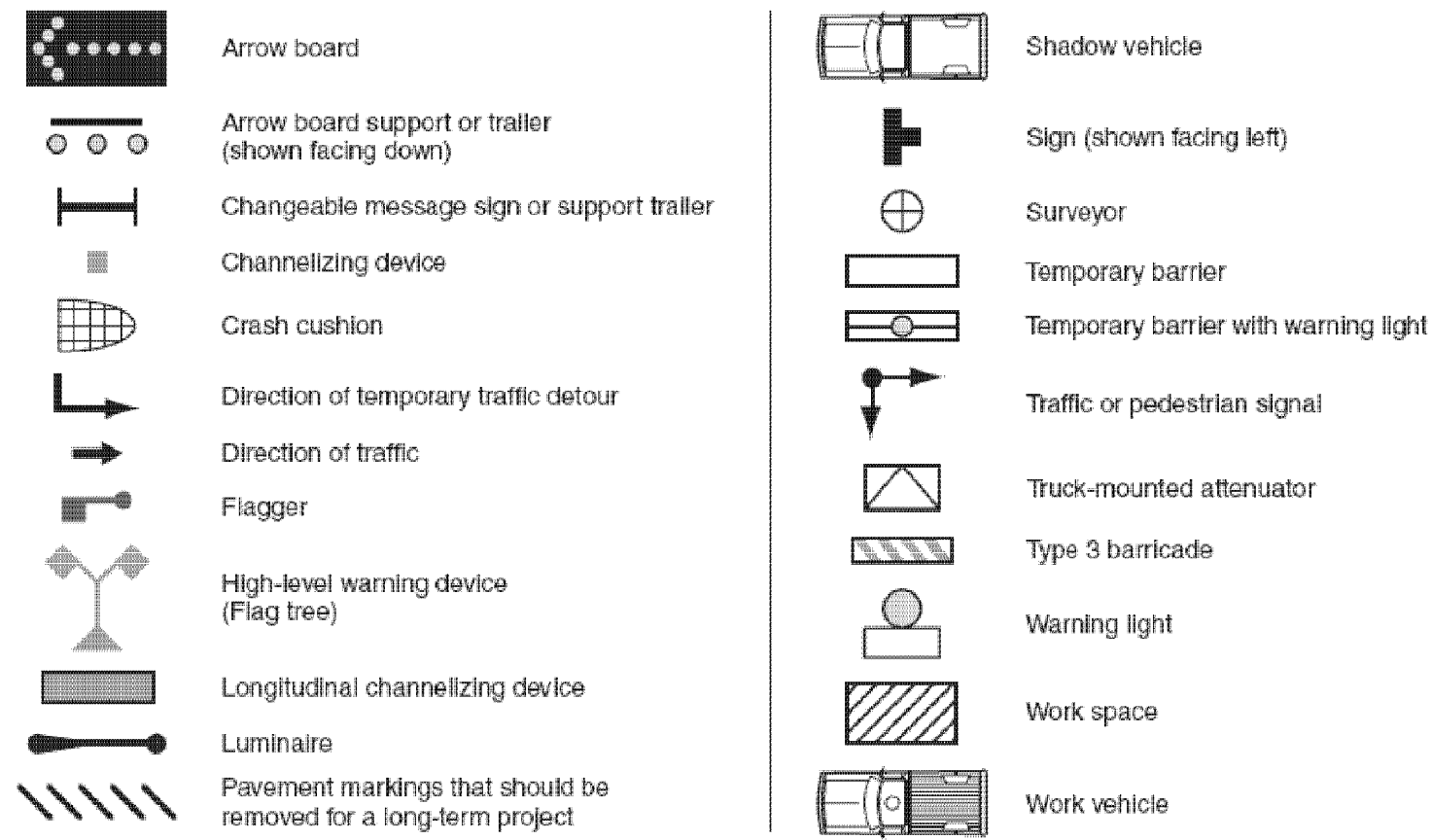


Figure 6E-3. Use of Hand-Signaling Devices by Flaggers

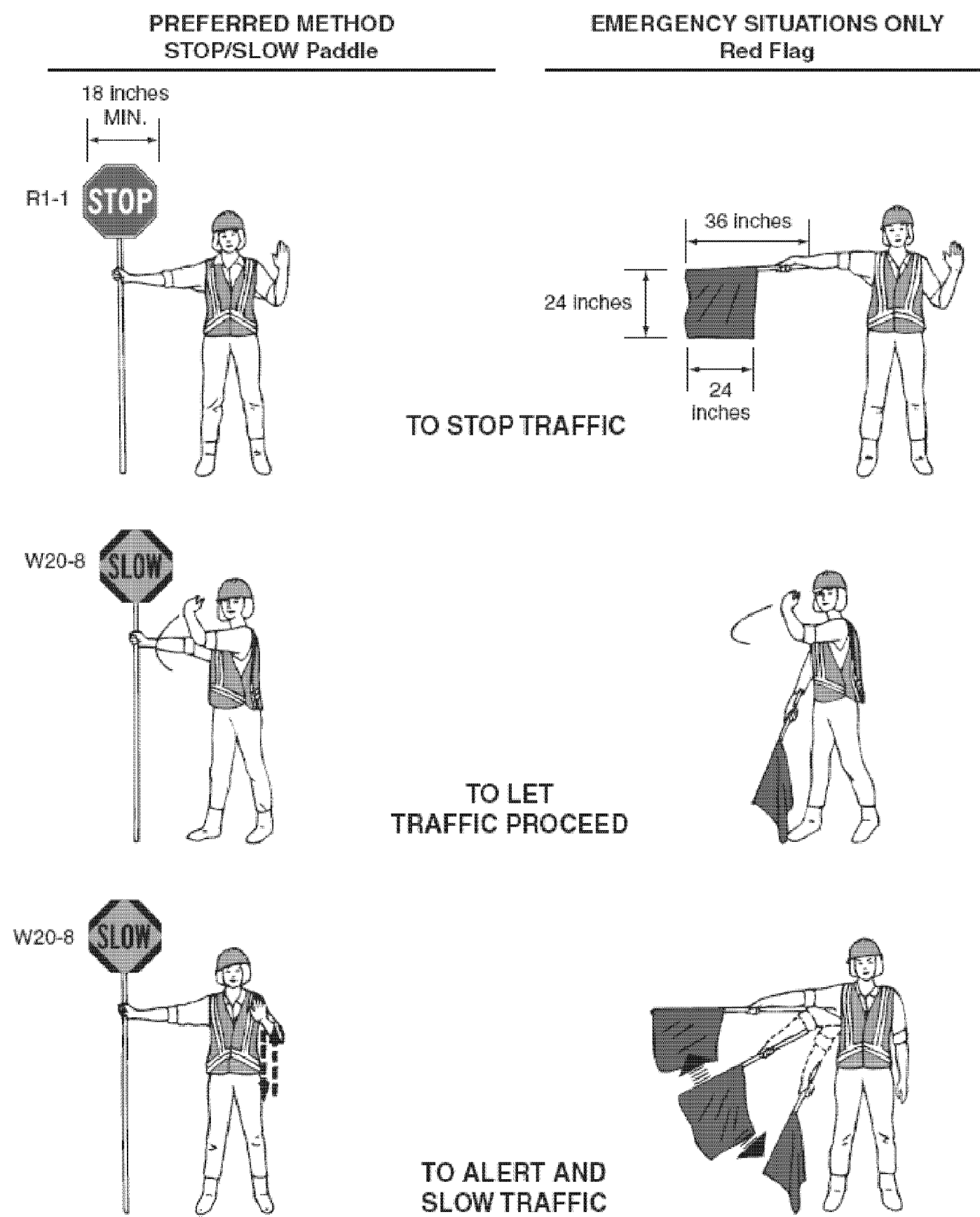
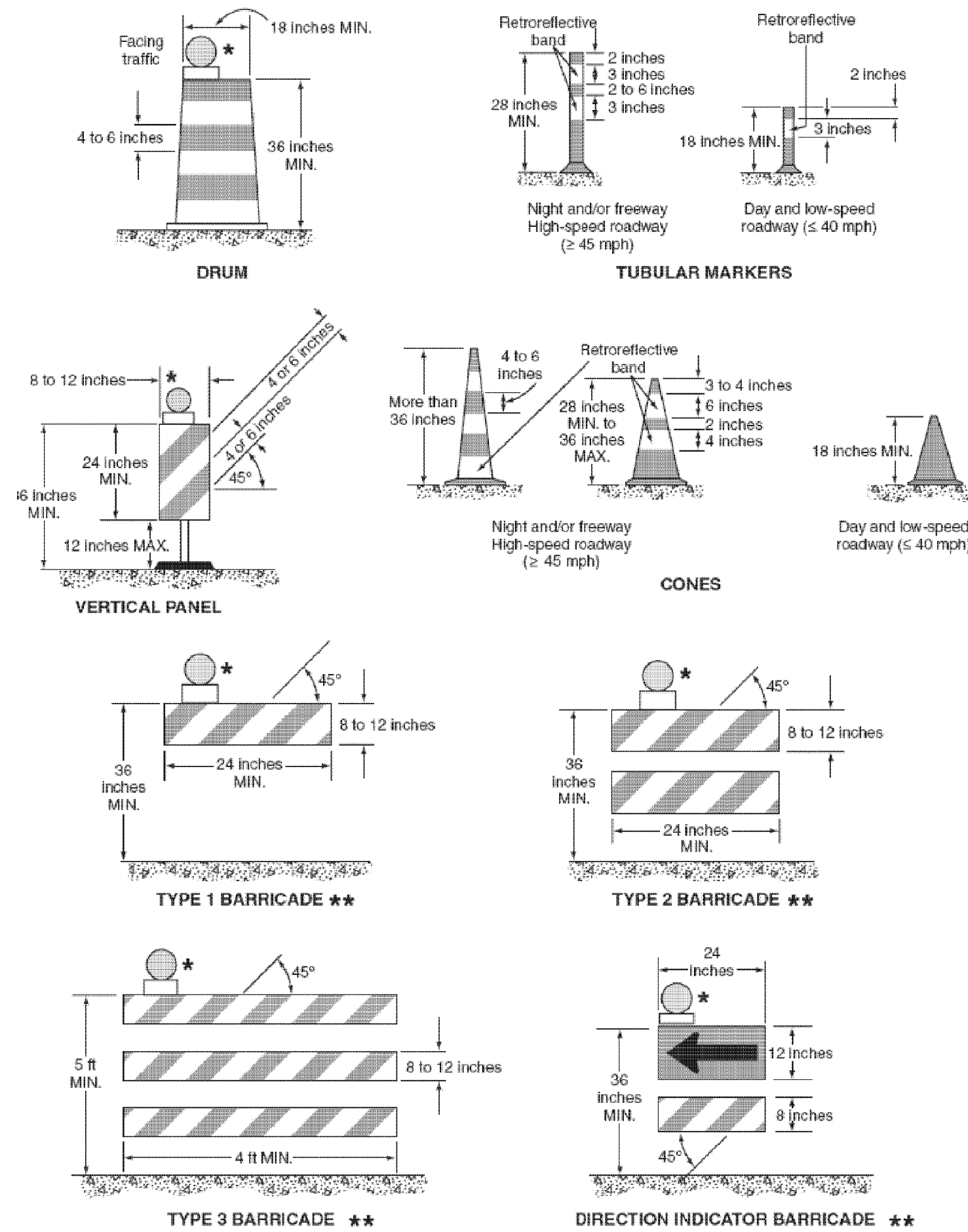


Figure 6F-7. Channelizing Devices



\* 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

Note: Use Table 6C-4 to calculate L

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 6C-2. Types of Tapers and Buffer Spaces

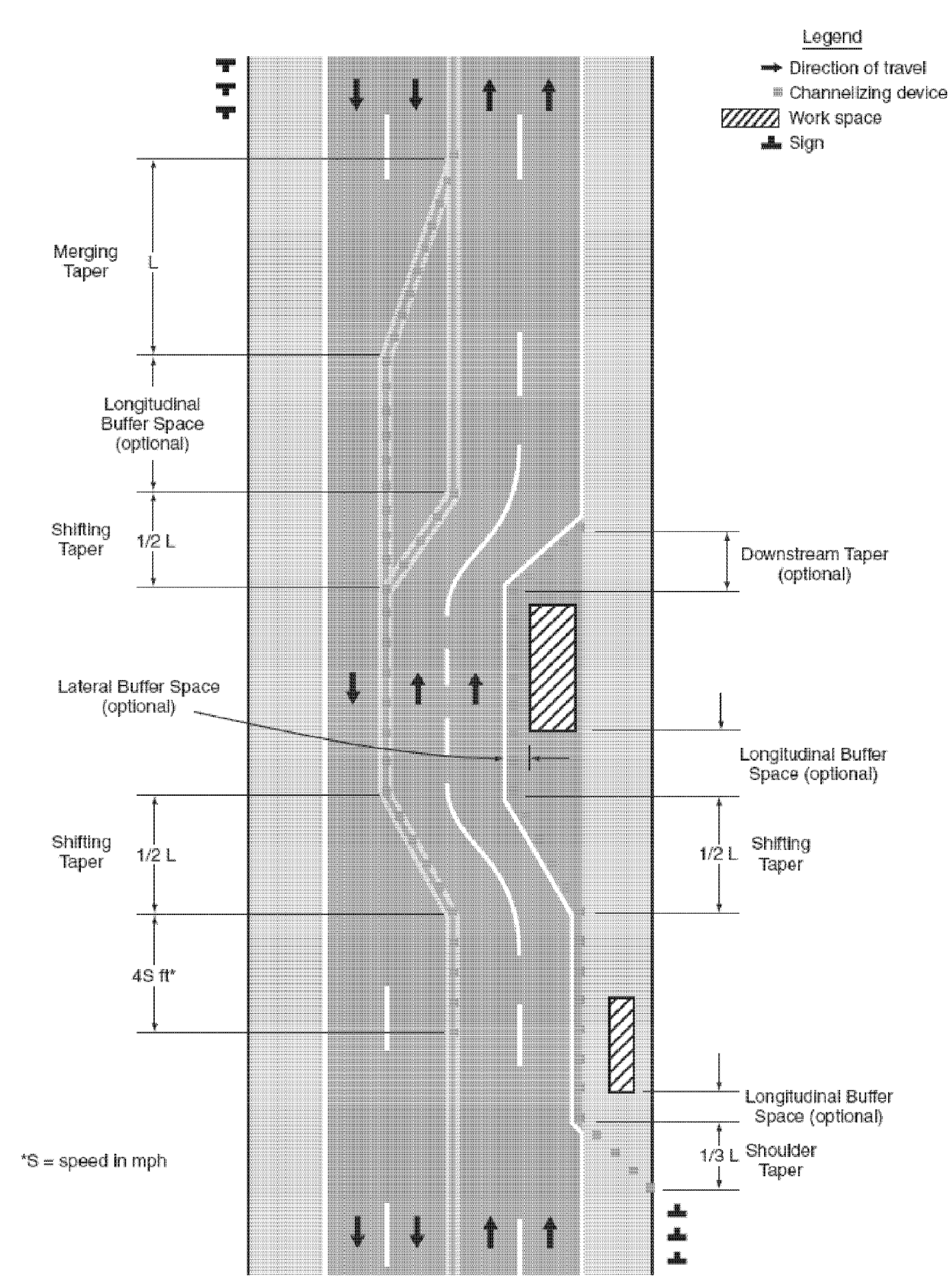


Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

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

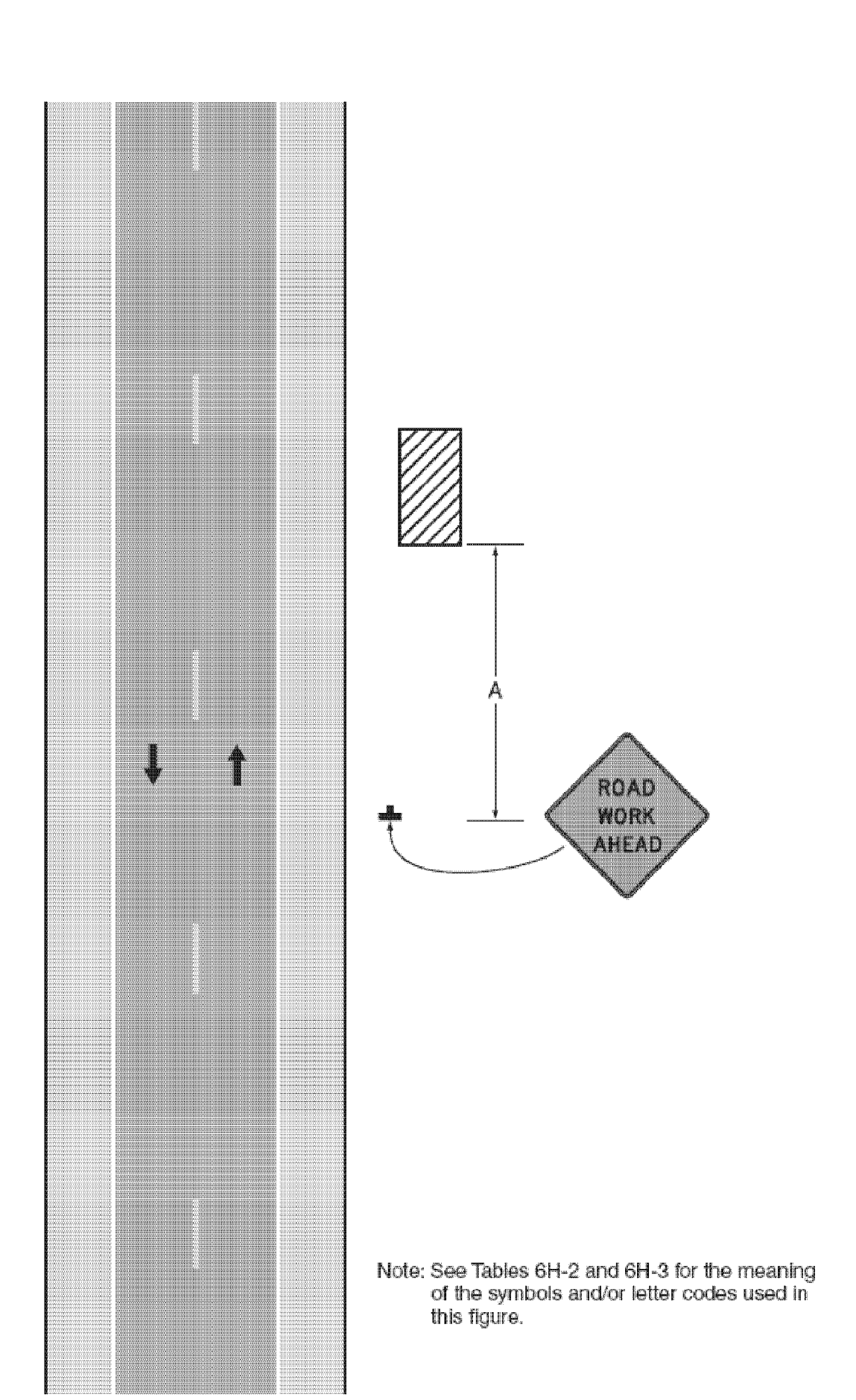
\*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second 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

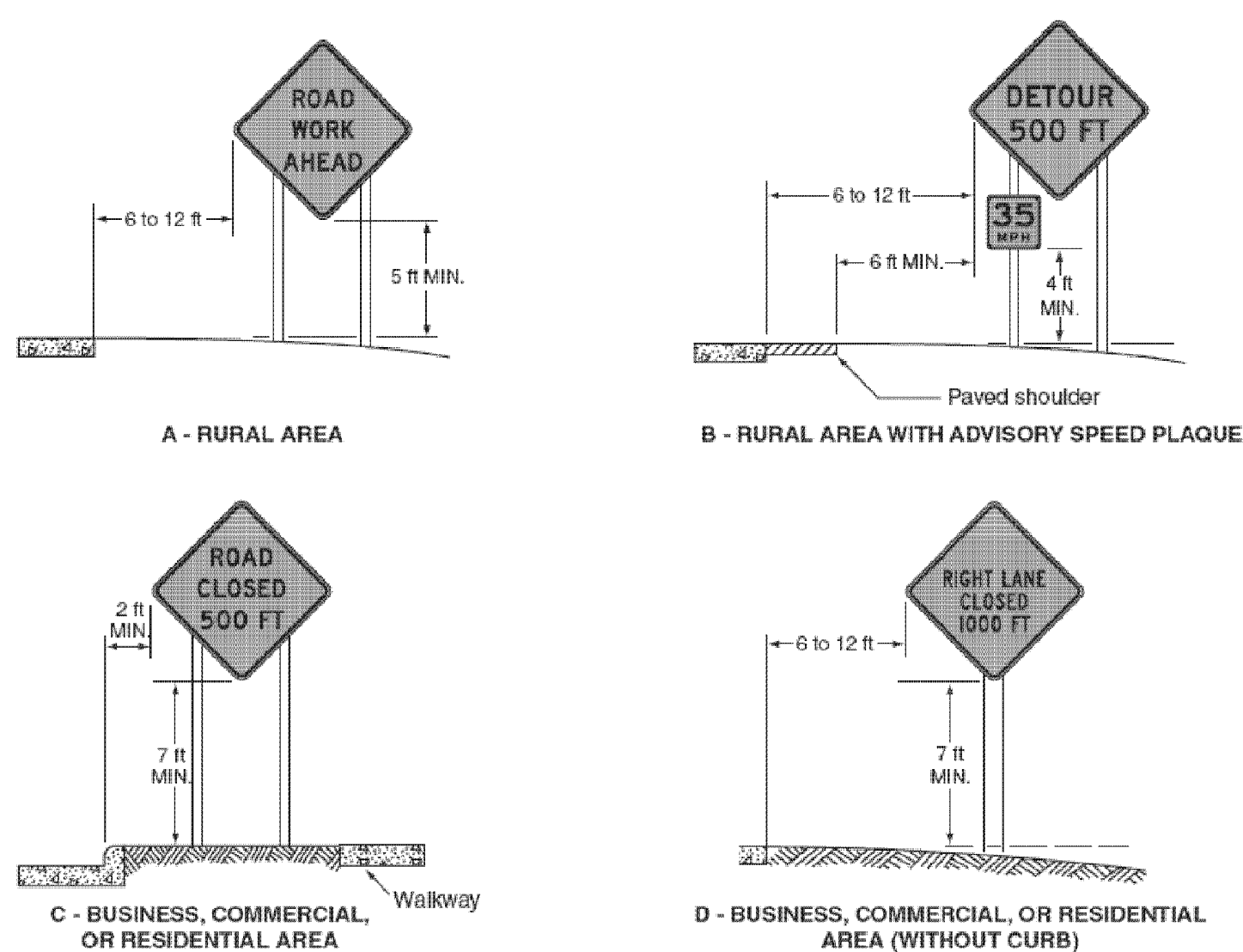
\* Posted speed, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed

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



Typical Application 1

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



TEMPORARY TRAFFIC CONTROL NOTES

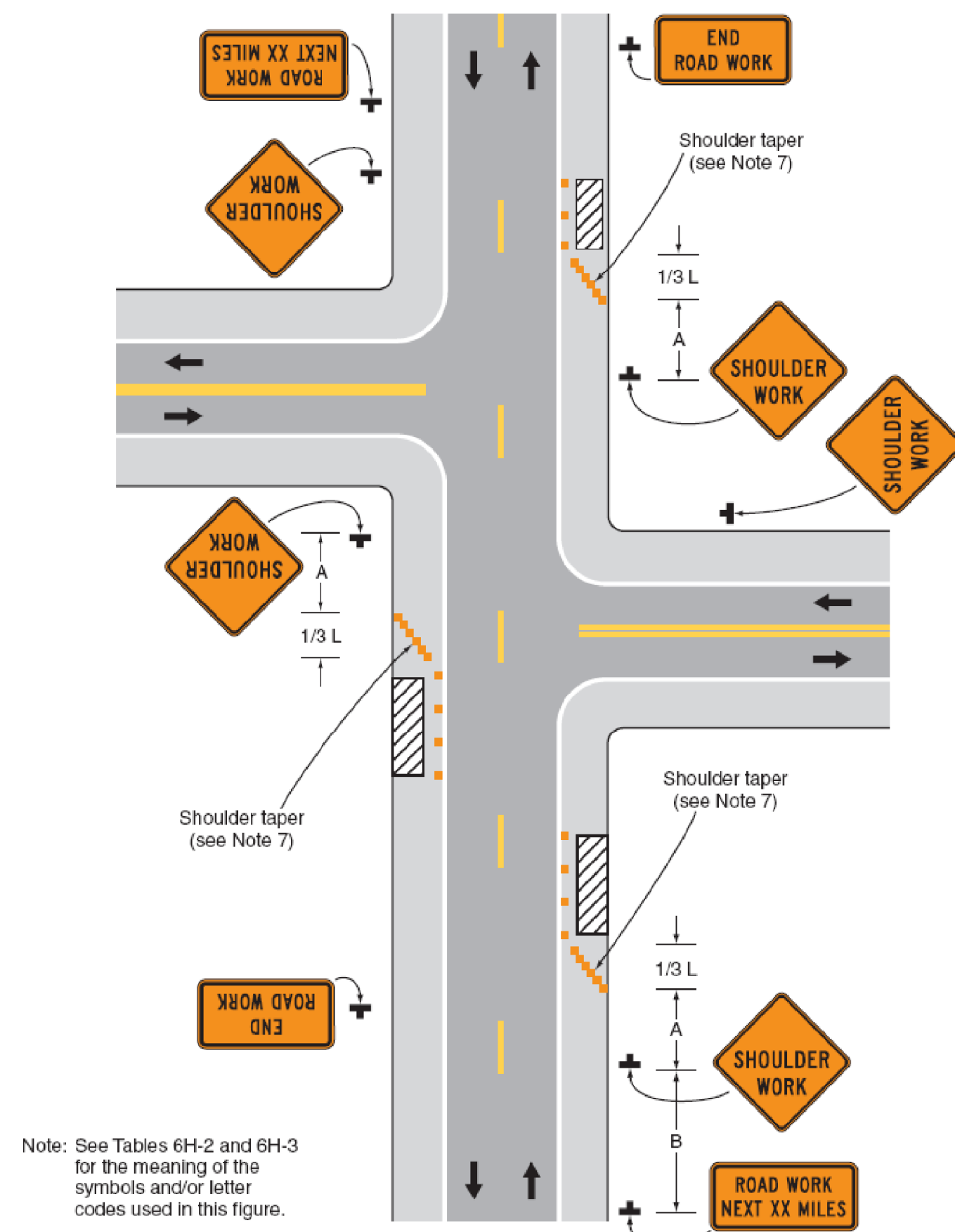
- TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THESE PROJECT PLANS, APPLICABLE VTRANS E-SERIES STANDARD DRAWINGS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009, AND ITS LATEST REVISIONS, OR AS DIRECTED BY THE RESIDENT ENGINEER. WHERE CONFLICTS EXIST, THE MUTCD SHALL GOVERN. IF THE CONTRACTOR DOES NOT WISH TO FOLLOW THE TEMPORARY TRAFFIC CONTROL PROVIDED, HE/SHE MAY SUBMIT AN ALTERNATE PROPOSAL AS STATED IN SUBSECTION 641.02 GENERAL CONSTRUCTION REQUIREMENTS OF THE 2006 STANDARD SPECIFICATIONS.
- 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 641.02.

PROJECT NAME: STATEWIDE NORTHEAST REGION  
PROJECT NUMBER: STP HRRR(8)

FILE NAME: d10k316\_wrk.dgn  
PROJECT LEADER: JLS  
DESIGNED BY: NLA  
TRAFFIC CONTROL SHEET 1

PLOT DATE: 09-AUG-2011  
DRAWN BY: ITS  
CHECKED BY: JLS  
SHEET 27 OF 28

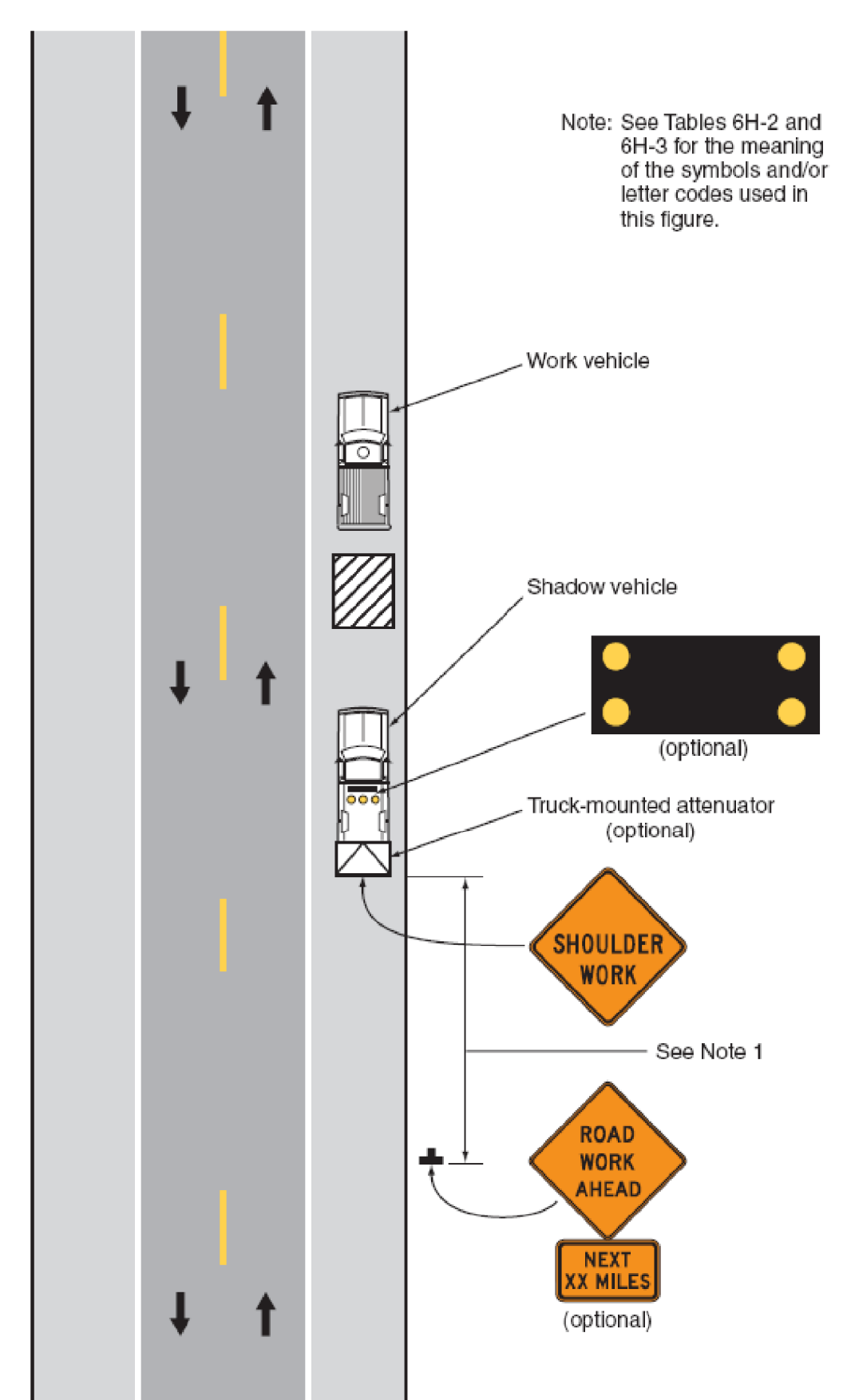
Figure 6H-3. Work on the Shoulders (TA-3)



Typical Application 3

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

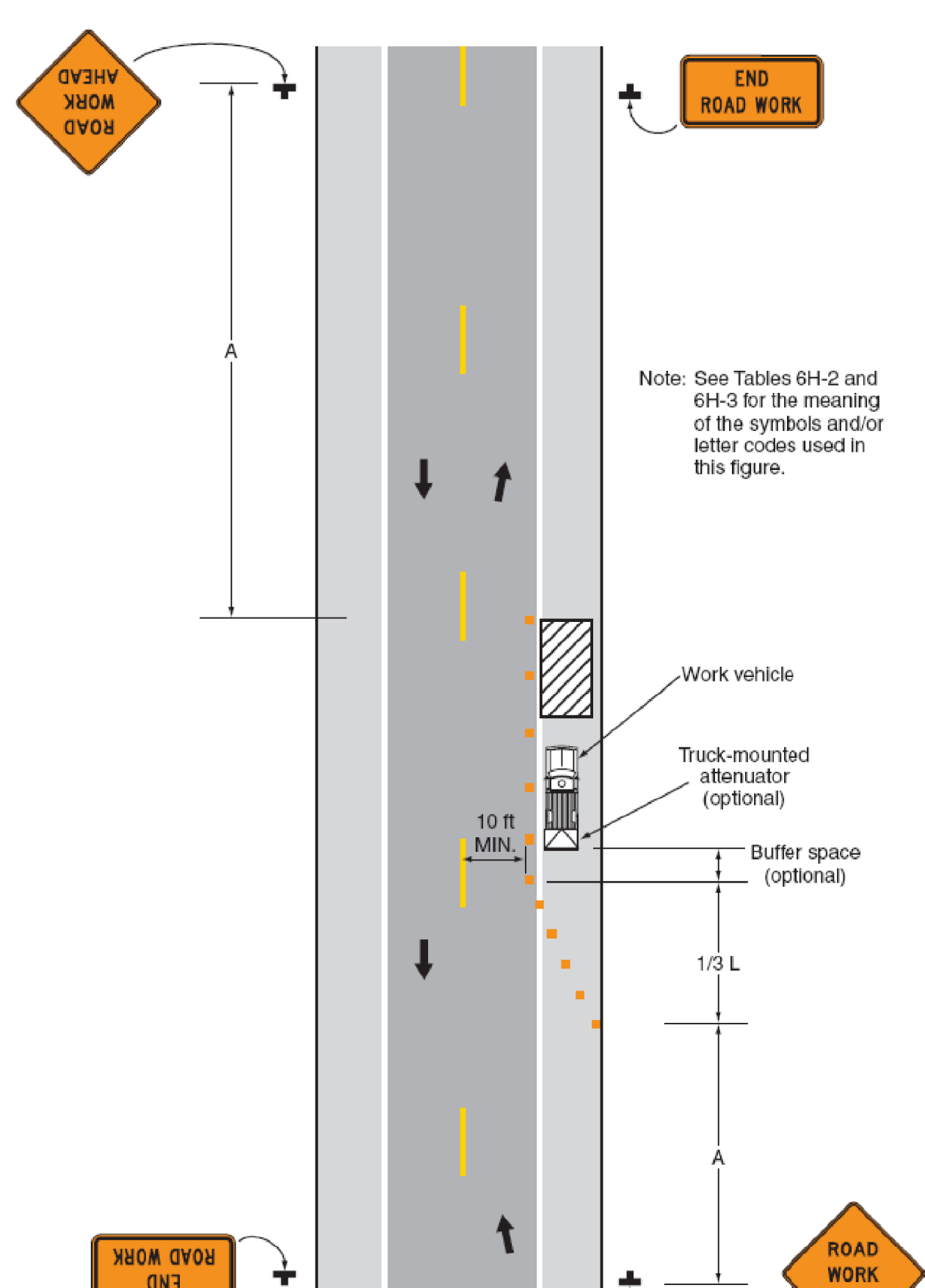
Figure 6H-4. Short-Duration or Mobile Operation on a Shoulder (TA-4)



Typical Application 4

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

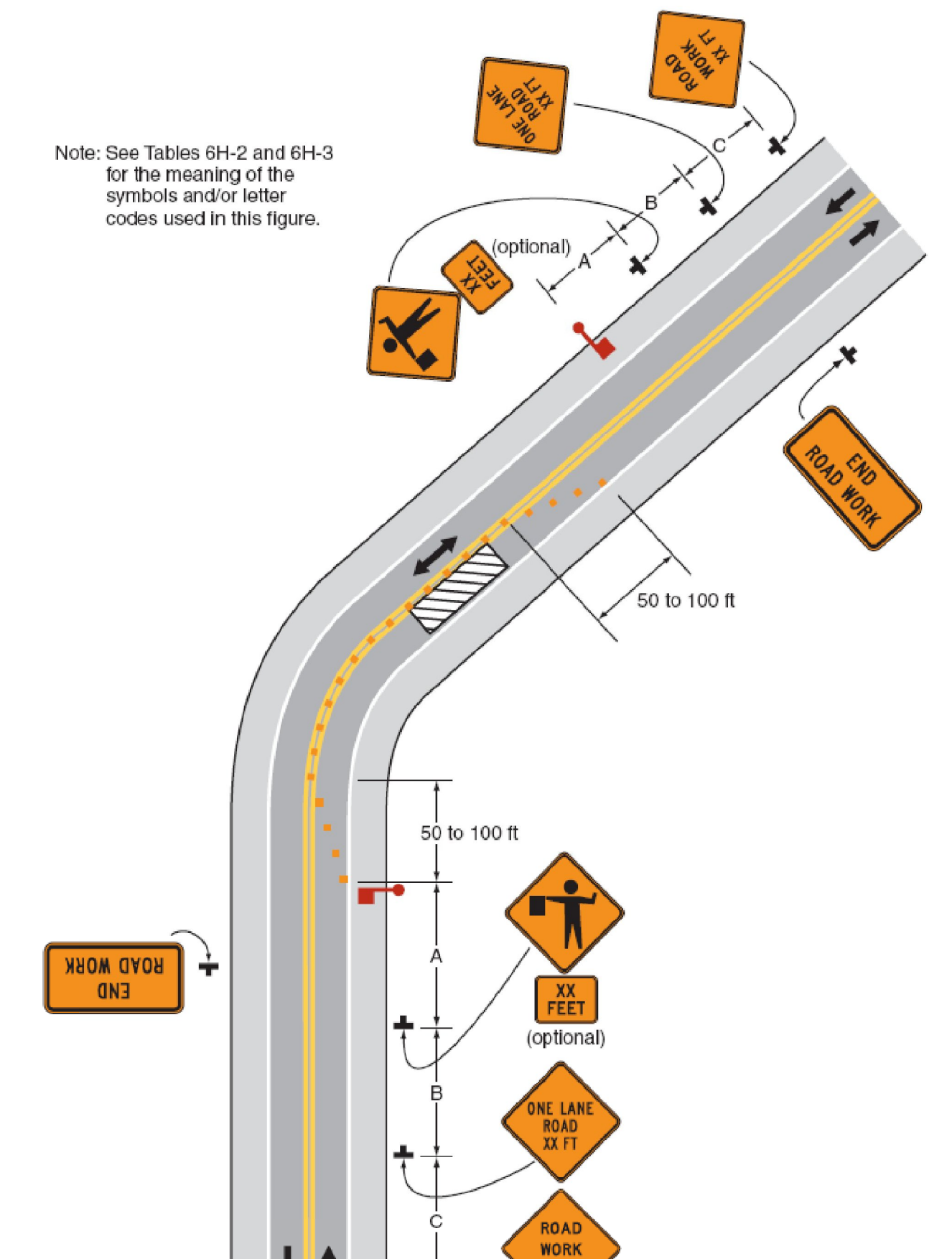
Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)



Typical Application 6

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

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



Typical Application 10

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

PROJECT NAME:	STATEWIDE NORTHWEST REGION
PROJECT NUMBER:	STP HRRR(9)
FILE NAME:	d10k316_wrk.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	NLA
TRAFFIC CONTROL SHEET 2	
PLOT DATE:	09-AUG-2011
DRAWN BY:	ITS
CHECKED BY:	JLS
SHEET 28	OF 28