

# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT

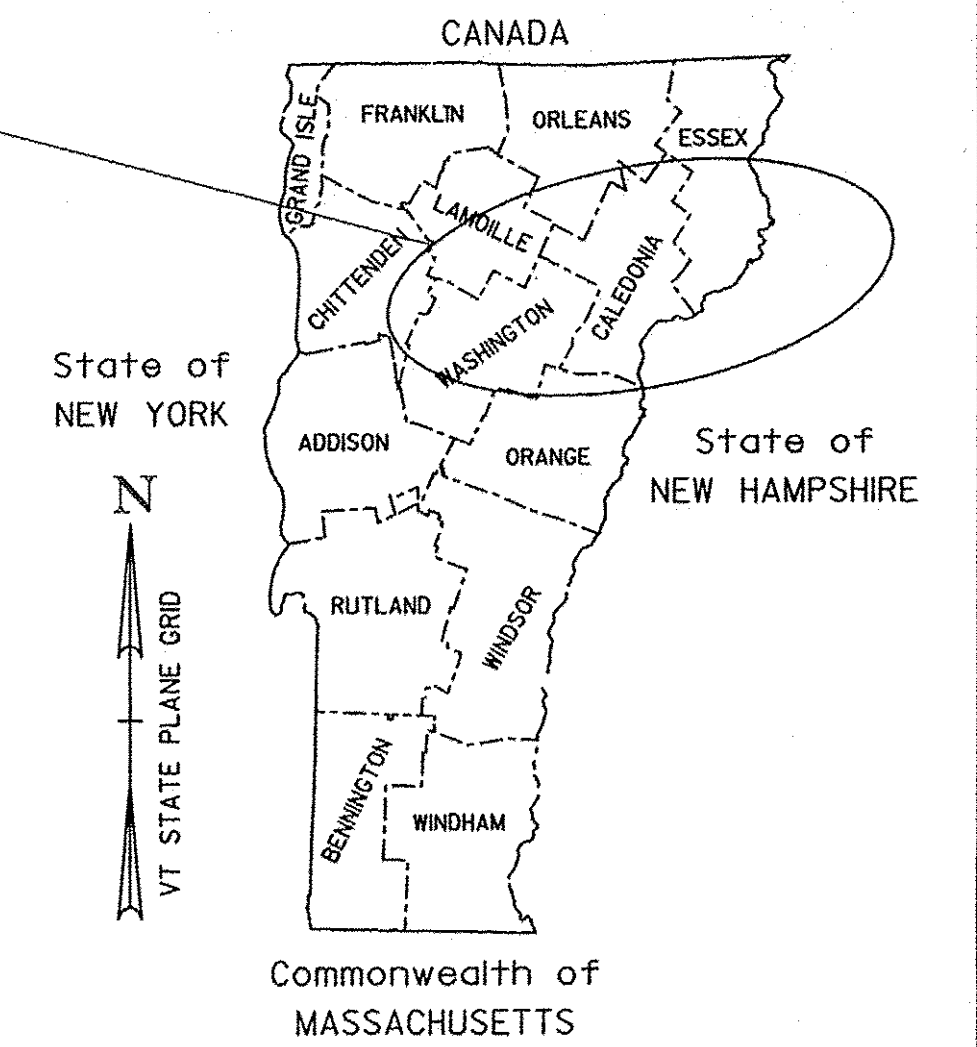
STATEWIDE NORTHEAST REGION STP HRRR(16)  
TOWNS OF BERLIN, LUNENBURG, NEWARK, NEWBURY AND WOLCOTT  
COUNTIES OF WASHINGTON, ESSEX, CALEDONIA, ORANGE AND LAMOILLE COUNTIES

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-8,	MM	0.000 - 0.680	BERLIN (DOG RIVER ROAD)
	TH-1,	MM	0.000 - 7.100	LUNENBURG (RIVER ROAD)
	TH-4,	MM	0.000 - 0.026	LUNENBURG (MT ORNE BRIDGE ROAD)
	TH-1,	MM	1.260 - 1.834	NEWARK (NEWARK STREET)
	TH-25,	MM	0.000 - 0.024	NEWARK (HOLLOW ROAD)
	TH-7,	MM	0.000 - 4.626	NEWBURY (LEIGHTON HILL ROAD)
	TH-4,	MM	0.000 - 3.402	WOLCOTT (ELMORE POND ROAD)
	TH-15,	MM	3.410 - 4.891	WOLCOTT (GULF ROAD)

**PROJECT LOCATIONS**

SEE SHEETS 8-10 FOR SITE MAPS



PROJECT LENGTHS:	0.680 MILES	(3590.40 FT)
	7.100 MILES	(37488.00 FT)
	0.026 MILES	(137.28 FT)
	0.574 MILES	(3030.72 FT)
	0.024 MILES	(126.72 FT)
	4.626 MILES	(24425.28 FT)
	3.402 MILES	(17962.56 FT)
	1.481 MILES	(7819.68 FT)

TOTAL LENGTH: 17.913 MILES (94580.64 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

RECORD PLANS	
CONTRACTOR:	F. R. LAFAYETTE, INC. - ESSEX JUNCTION, VT
RESIDENT ENGINEER:	BRIGHTTE CODLING
CONSTRUCTION BEGAN:	MAY 6, 2014
CONSTRUCTION COMPLETE:	DECEMBER 15, 2014
RECORD PLANS BY:	BRIGHTTE CODLING & CRAIG PIERCE
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>July 13, 2015</i>	
NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found by contacting Vtrans Records Management.	

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>Richard Johnson</i> DATE <i>1-8-14</i>
PROJECT MANAGER :	JESSE DEVLIN, P.E.
PROJECT NAME :	STATEWIDE - NORTHEAST REGION
PROJECT NUMBER :	STP HRRR(16)
SHEET	1 OF 50 SHEETS

**INDEX OF SHEETS**

- 1 TITLE SHEET
- 2 INDEX OF SHEETS & GENERAL NOTES
- 3 QUANTITY SHEET
- 4 GENERAL SIGN DETAIL SHEETS 1-2
- 5 TRAFFIC CONTROL SHEETS 1-2
- 6-7 SITE MAPS SHEETS 1-3
- 8-10 PROJECT SIGN DETAIL SHEETS 1-4
- 11-14 PERLIN TRAFFIC SIGN SUMMARY SHEETS 1-3
- 15-17 ALUMINUM TRAFFIC SIGN SUMMARY SHEETS 1-11
- 18-23 NEWBURY TRAFFIC SIGN SUMMARY SHEETS 1-3
- 24-27 NEWBURY TRAFFIC SIGN SUMMARY SHEETS 1-6
- 28-37 WOLCOTT TRAFFIC SIGN SUMMARY SHEETS 1-9
- 38-46 TRAFFIC SIGN SUMMARY SHEET TOTALS
- 47 PAVEMENT MARKINGS SHEET
- 48 ITEM DETAIL SUMMARY SHEET
- 49 NEWARK PAVEMENT SHEET
- 50

**STANDARDS**

- E-121 STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
- E-123 GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS
- E-127 ROUTE MARKINGS AT RURAL INTERSECTIONS
- E-136B STATE ROUTE MARKER SIGN DETAILS
- E-136C STATE NUMBERED TOWN HIGHWAY SIGN DETAILS
- E-138 MILEMARKER DETAILS - STATE AND TOWN HIGHWAYS
- E-145A REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS
- E-154 WARNING SIGN DETAILS
- E-191 PAVEMENT MARKING DETAILS
- E-193 PAVEMENT MARKING DETAILS (POST, DELINEATORS, TYPICALS)
- G-1 STEEL BEAM GUARDRAIL DETAILS (END, TERMINAL, ANCHOR, MEDIAN)
- G-19 GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS
- S-367A BRIDGE RAILING, GALVANIZED HOBS/ FASCIA MOUNTED/ STEEL TUBING
- S-367B GUARDRAIL APPROACH SECTION, GALVANIZED HD STEEL BEAM
- T-45 SQUARE TUBE SIGN POST AND ANCHOR

- 08/08/1995
- 03/16/2004
- 08/08/1995
- 08/08/1995
- 08/08/1995
- 08/08/1995
- 05/30/2003
- 12/23/1994
- 05/01/2004
- 02/01/1999
- 08/18/1995
- 01/03/2000
- 01/03/2000
- 11/15/2002
- 05/24/2012
- 01/02/2013

**GENERAL NOTES**

1. 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.
2. 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.
3. WITHIN THE TRAFFIC SIGN SUMMARY SHEETS (FY) FLUORESCENT YELLOW SHEETING (ASTM TYPE VII, VIII, OR IX) AND (FYG) FLUORESCENT YELLOW-GREEN SHEETING (ASTM D4986 TYPE VII, VIII, OR IX), REFER TO SUBSECTION 750.08 RETROREFLECTIVE SHEETING.
4. SHEETING TYPES AND SHEETING FABRICATED BY DIFFERENT MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPAGE SHOULD BE BY THE SAME MANUFACTURER AND SHOULD BE CONSISTENT THROUGHOUT THE PROJECT.
5. 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 0.080 INCH MINIMUM WEB THICKNESS.
6. 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"	
24" X 12"	ALL STREET NAME SIGNS
24" X 18"	48" X 8"
24" X 18"	36" X 12"
24" X 24"	48" X 18"
24" X 24"	36" X 15"
24" X 30"	48" X 24"
30" X 8"	36" X 18"
30" X 15"	36" X 24"
30" X 18"	36" X 42"
30" X 30"	48" X 48"
30" X 42"	36" X 36"
36" X 8"	36" X 48"
36" X 8"	42" X 8"
36" X 8"	72" X 12"
THICKNESS	0.080" - 0.100" - 0.125"

7. 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 STEEL SIGN POST AND ANCHOR.

8. 1.75" SQUARE STEEL POSTS SHALL BE 14 GAGE STEEL. 2.0" AND 2.5" SQUARE STEEL POSTS SHALL BE 12 GAGE STEEL.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

10. ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

11. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

12. SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH STATE STANDARD DRAWING E-121 SIGN PLACEMENT CONVENTIONAL ROAD, UNLESS OTHERWISE NOTED.

13. 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.

14. 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.

15. ALL NEW SIGN INSTALLATIONS, IF NEAR A UTILITY POLE, SHALL BE NO CLOSER THAN 10 FEET FROM THE UTILITY POLE.

16. 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.

17. SIGN IDENTIFICATION INFORMATION AS OUTLINED IN SECTION 675.02 SHALL INDICATE THE TOWN AND TOWN HIGHWAY INFORMATION. VAOT OR THE STATE SHALL NOT BE INDICATED ON ANY OF THE SIGNS.

**VAOT RURAL AREA MIX**

% WEIGHT	LBS/AC		GERM %	PURITY %
	BROADCAST HYDROSEED	NAME		
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	19-19-19	BROADCAST HYDROSEED	
500 LBS/AC	2 TONS/AC	PELLETIZED LIQUID	4.4 GAL/AC

**CONSTRUCTION GUIDANCE**

1. RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
2. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
3. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
4. 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.
5. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
6. 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
7. 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**

REVISONS	
JUNE 23, 2009	WHF
JANUARY 15, 2010	WHF

# QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES

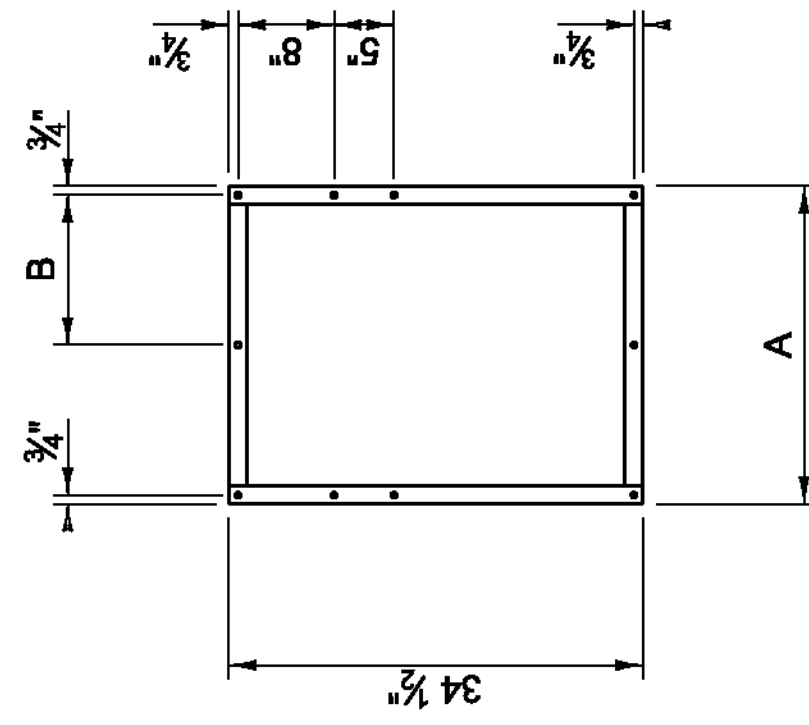
TOTALS

DESCRIPTIONS

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS			
										ROADWAY	BRIDGE	GRAND TOTAL	FINAL	UNIT	ITEMS
										78		78		CY	COMMON EXCAVATION
										15.93		15.93		CY	EXCAVATION OF SURFACES AND PAVEMENTS
										800		800		CY	EARTH BORROW
										1		1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)
										501		501		SY	COLD PLANING, BITUMINOUS PAVEMENT
										13		13		CY	AGGREGATE SURFACE COURSE
										1		1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)
										8		8		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I
										8		8		HR	POWER BROOM RENTAL, TYPE I
										8		8		HR	TRUCK RENTAL
										8		8		HR	LOADER RENTAL, TYPE I
										3058		3058		LF	STEEL BEAM GUARDRAIL, GALVANIZED
										27		27		EACH	ANCHOR FOR STEEL BEAM RAIL
										3094		3094		LF	REMOVAL AND DISPOSAL OF GUARDRAIL
										24		24		HR	UNIFORMED TRAFFIC OFFICERS
										275		275		HR	FLAGGERS
										1		1		LS	MOBILIZATION/DEMobilIZATION
										1		1		LS	TRAFFIC CONTROL
										1800		1800		LF	4 INCH YELLOWLINE
										48		48		LF	24 INCH STOP BAR
										36		36		EACH	LETTER OR SYMBOL
										19		19		LB	SEED
										78		78		LB	FERTILIZER
										0.038		0.038		TON	AGRICULTURAL LIMESTONE
										0.31		0.31		TON	HAY MULCH
										83		83		CY	TOPSOIL
										675		675		SY	TEMPORARY EROSION MATTING
										1336		1336		SF	TRAFFIC SIGNS, TYPE A
										3825		3825		LF	SQUARE TUBE SIGN POST AND ANCHOR
										131		131		EACH	REMOVING SIGNS
										1		1		EACH	ERECTING SALVAGED SIGNS
										1		1		EACH	SETTING SALVAGED POSTS
										62		62		EACH	DELINEATOR WITH STEEL POST
										1		1		LU	SPECIAL PROVISION (MAT DENSITY PAY ADJUSTMENT, SMALL QUANTITY) (N.A.B.I.)
										1		1		LU	SPECIAL PROVISION (MIXTURE PAY ADJUSTMENT) (N.A.B.I.)
										239		239		TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)

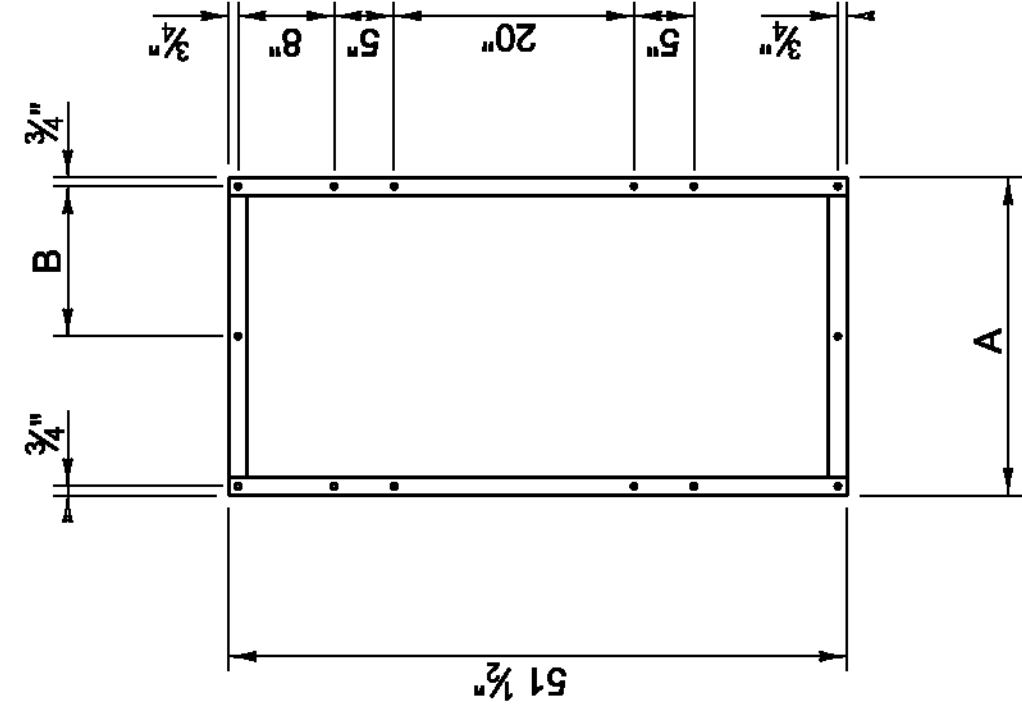
# GENERAL SIGNING DETAILS

**TYPE 1**



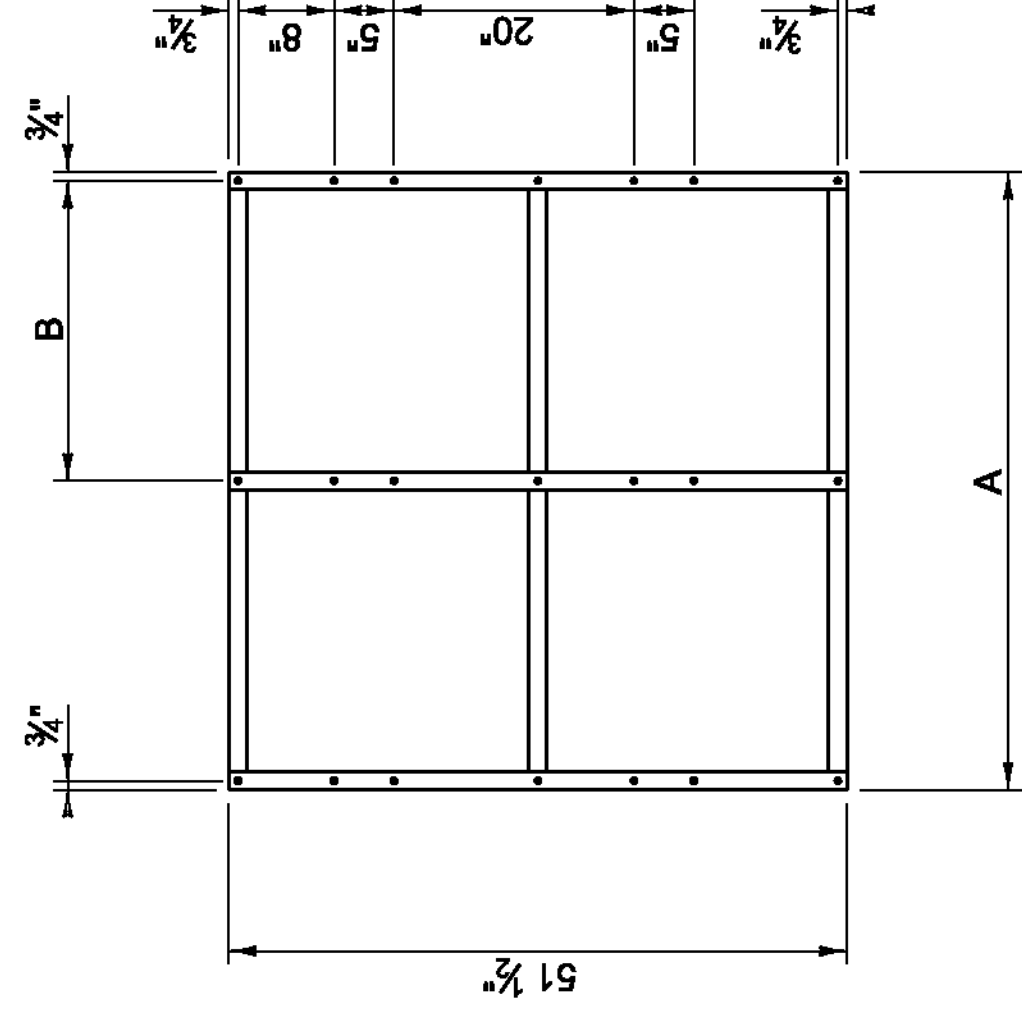
FRAME TYPE	A	B
1A	26 1/2"	12 1/2"
1B	29 1/2"	15 1/2"
1C	32 1/2"	15 1/2"

**TYPE 2**



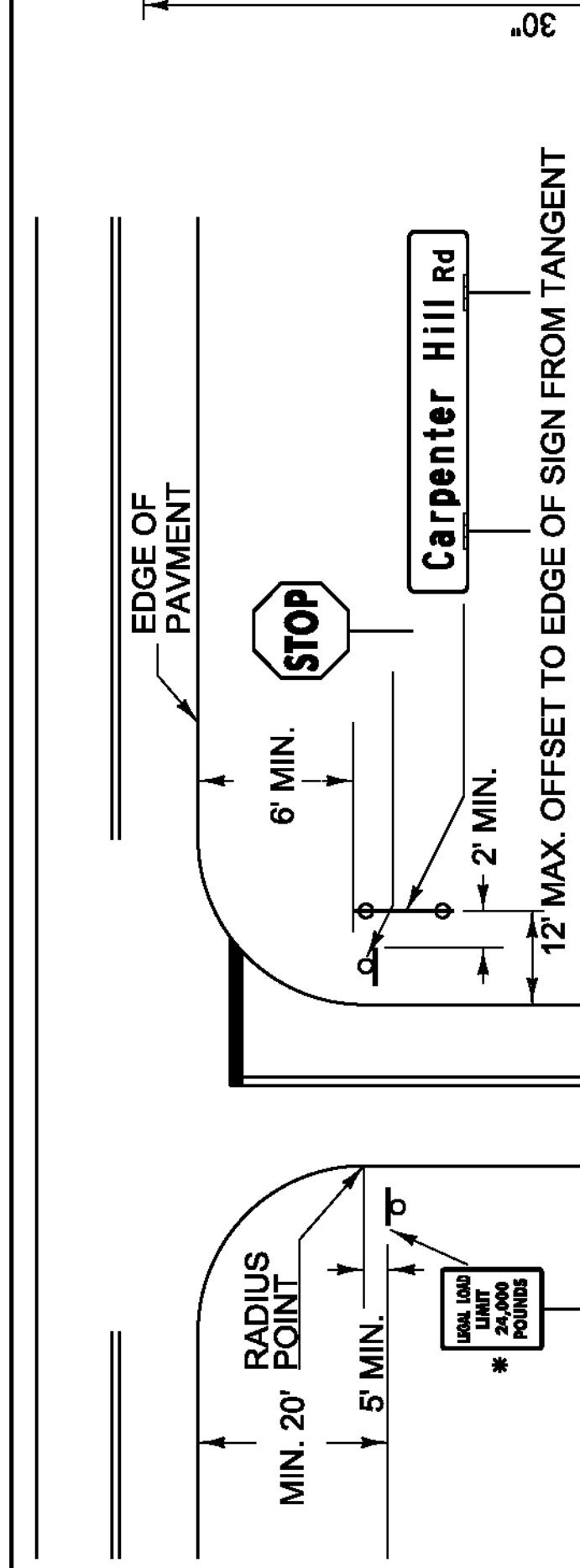
FRAME TYPE	A	B
2A	26 1/2"	12 1/2"
2B	29 1/2"	15 1/2"
2C	32 1/2"	15 1/2"

**TYPE 3**



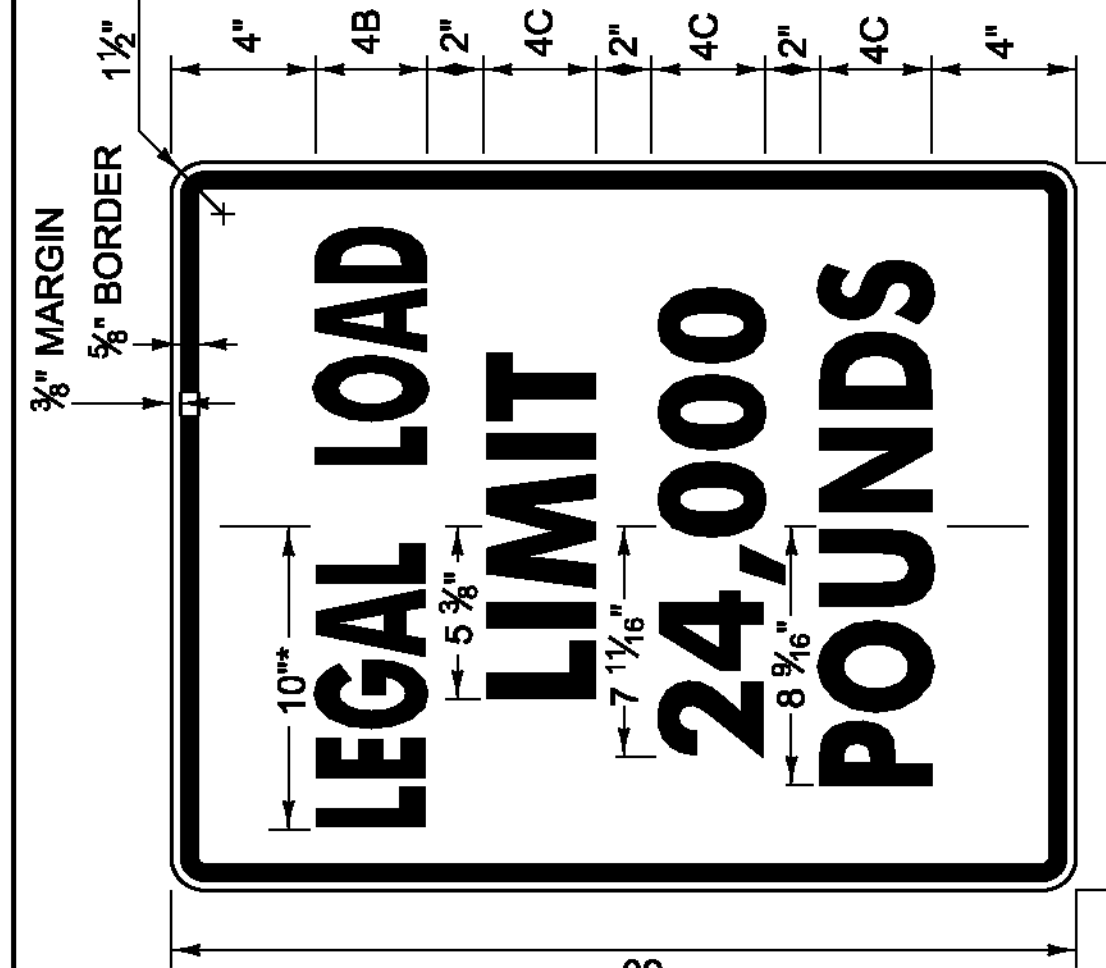
FRAME TYPE	A	B
3A	51 1/2"	25"
3B	54 1/2"	28"
3C	57 1/2"	28"
3D	63 1/2"	31"

**ROUTE MARKER ASSEMBLY FRAMES**



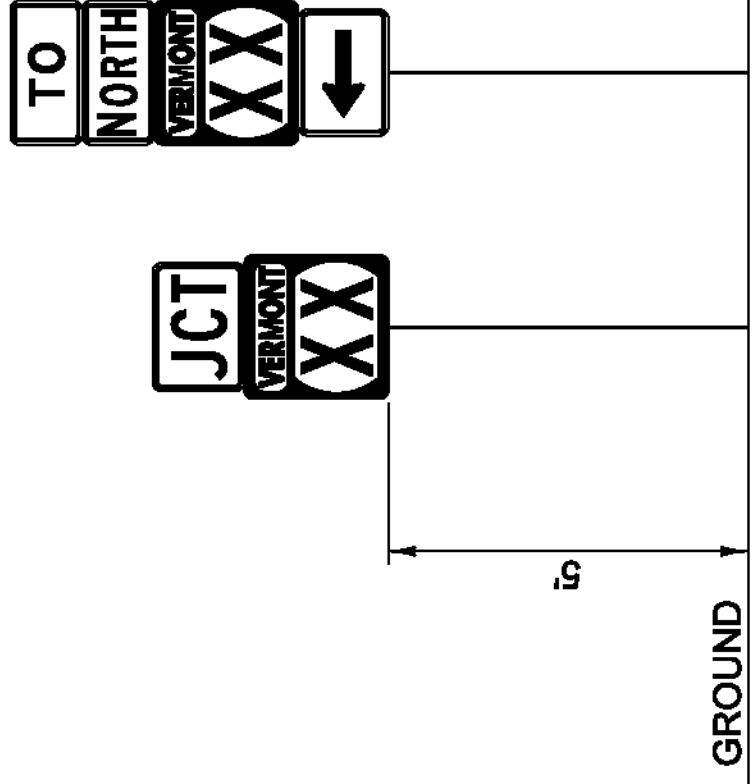
- SIDE ROAD STREET NAME SIGNS, COMMONLY INSTALLED PERPENDICULAR TO THE APPROACHING MAINLINE TRAFFIC, SHALL BE POSITIONED IN SUCH A WAY AS TO ENSURE THE BEST POSSIBLE VISIBILITY TO APPROACHING MAINLINE TRAFFIC FROM EACH DIRECTION. IN MOST CASES, STREET NAME SIGNS MAY BE INSTALLED ABOVE THE SIDE ROAD STOP 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**



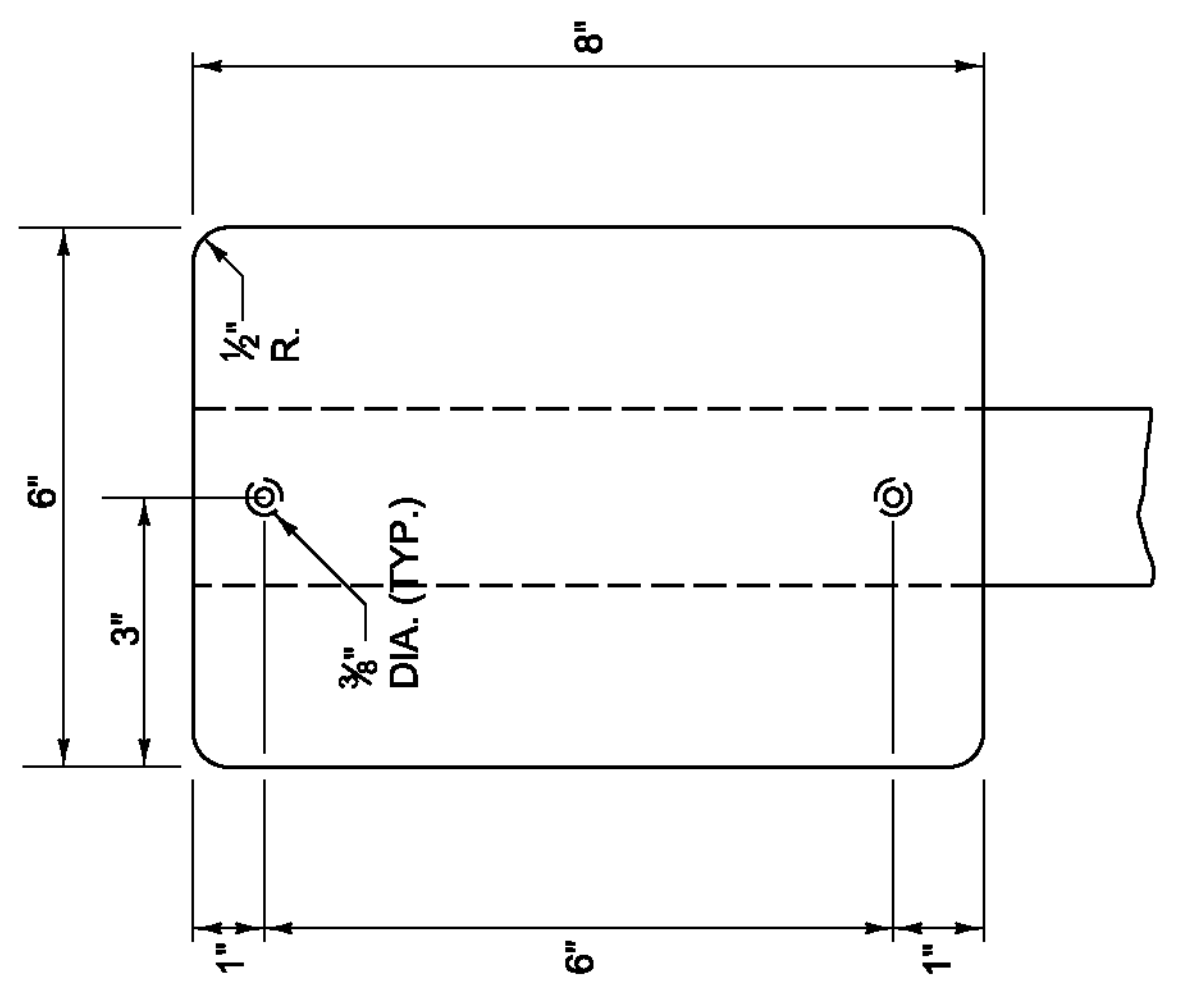
\* REDUCE SPACING 50 %  
LINE THREE ALTERNATE - 16,000  
1.500" RADIUS, 0.625" BORDER, 0.375" INDENT  
COLORS: BLACK ON WHITE  
TEXT STYLE: "LEGAL LOAD" B; "LIMIT" C;  
"24,000" C; "POUNDS" C

**VR-017**



**GUIDE SIGN PLACEMENT DETAIL**

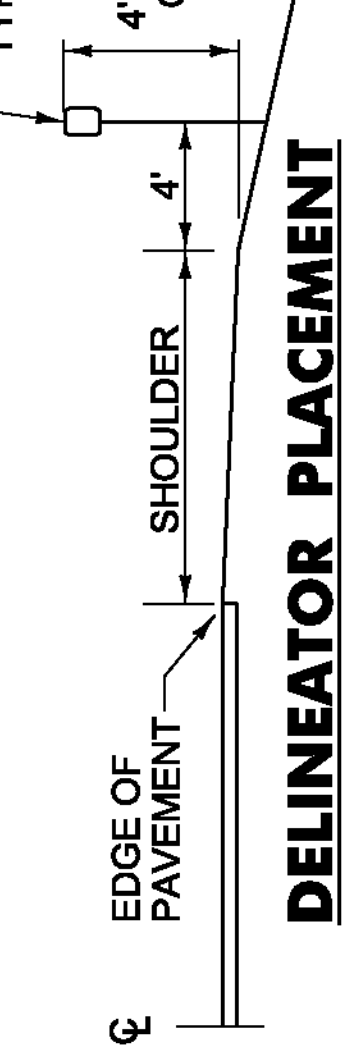
- NOTES:
- IN ALL URBAN AREAS AND IN RURAL AREAS WHERE PARKING OR PEDESTRIAN TRAFFIC WILL OCCUR IN THE IMMEDIATE VICINITY OF THESE SIGNS, MINIMUM VERTICAL CLEARANCE SHALL BE INCREASED TO SEVEN FEET.



**TYPE II (6"X8") DELINEATOR**

BACK-TO-BACK WHITE DELINEATORS WITH RETROREFLECTIVE SHEETING

- NOTES:
- MATERIAL FOR RETROREFLECTIVE SHEETING FOR DELINEATORS SHALL BE A 0.063" ALUMINUM BACKING WITH A WHITE ASTM D 4956 TYPE III OR TYPE IV.
  - ALL TYPE II (6"X8") DELINEATOR POSTS SHALL BE 1.88 LB/FT SQUARE STEEL WITH A 1/2 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**



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

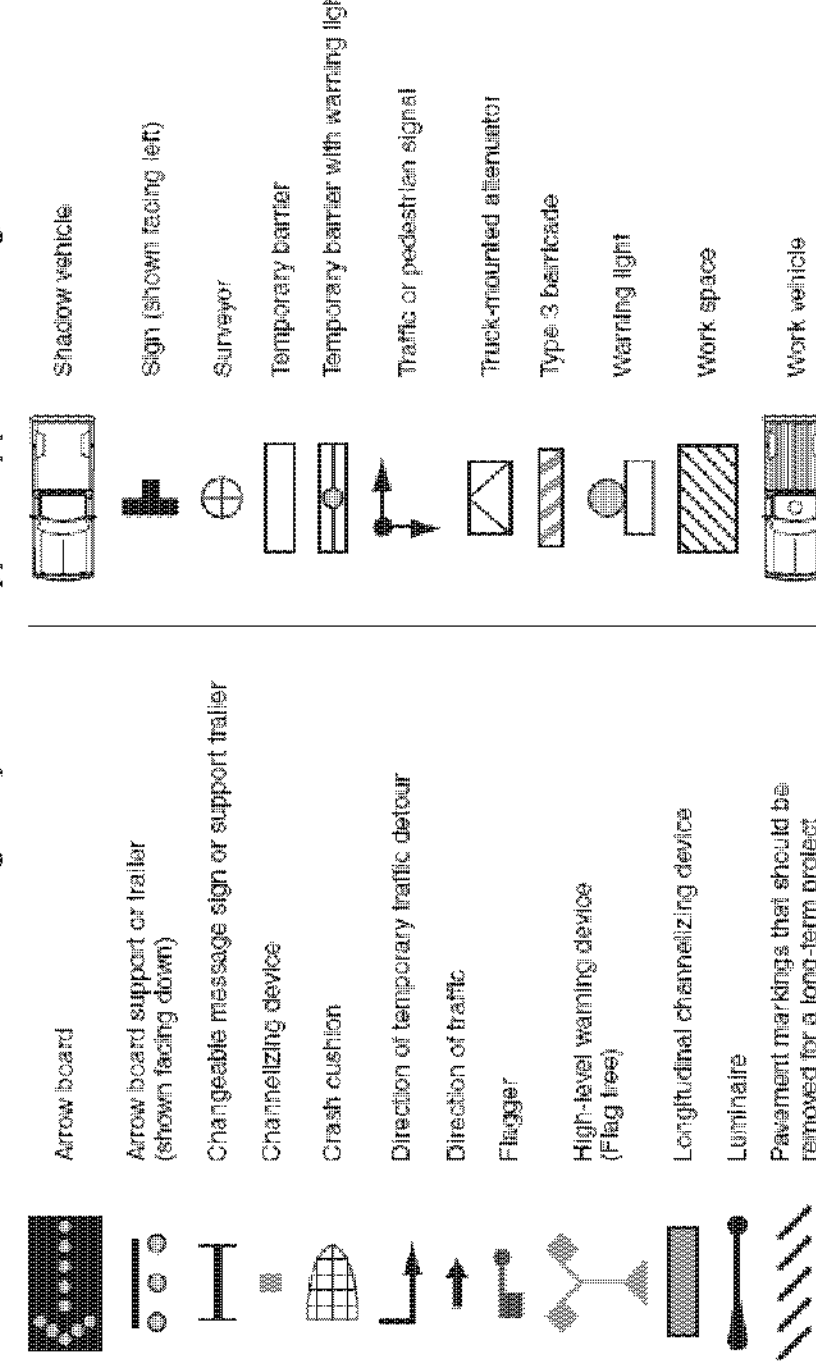


Figure 6E-3. Use of Hand-Signaling Devices by Flaggers  
EMERGENCY SITUATIONS ONLY  
Red Flag

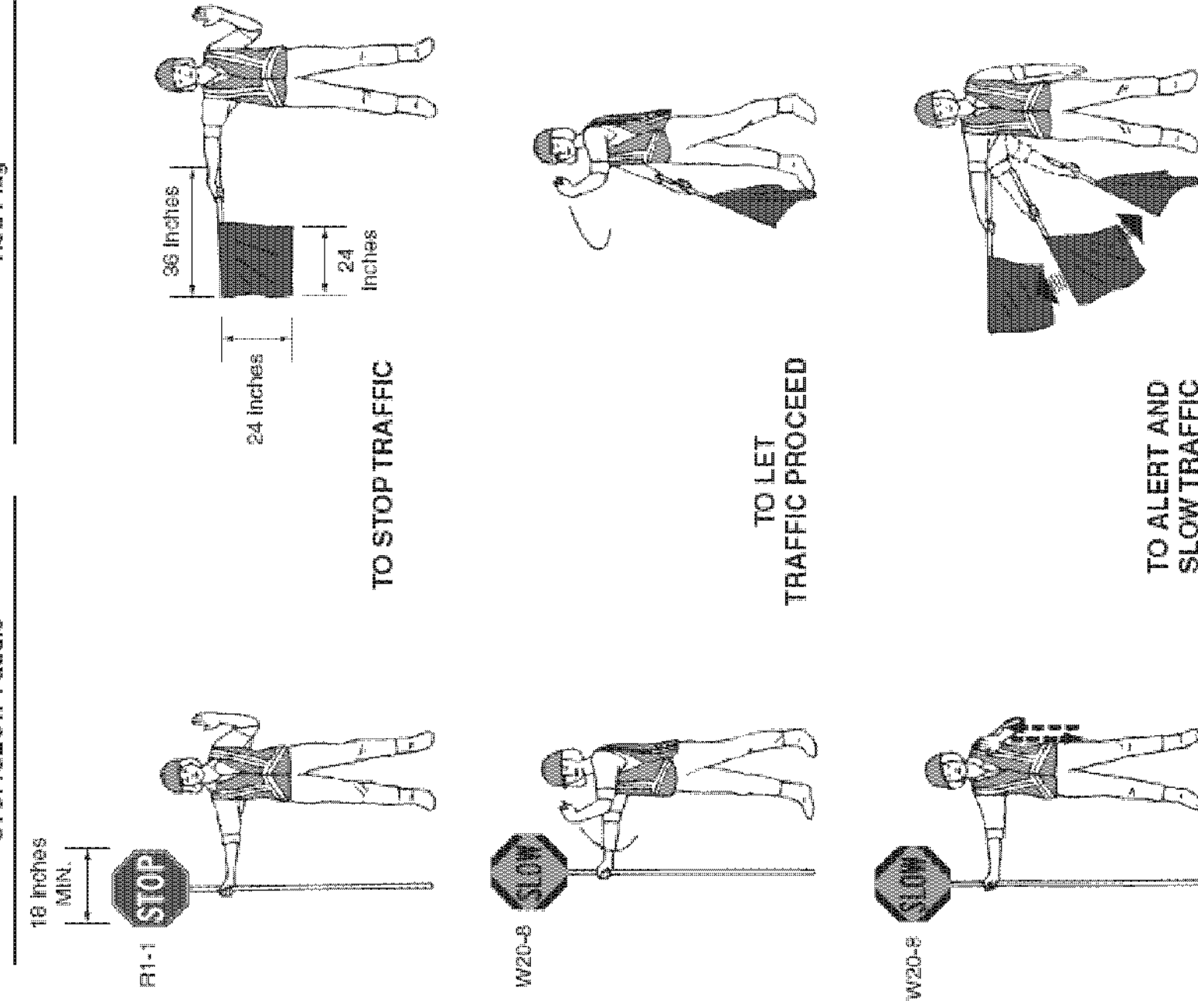
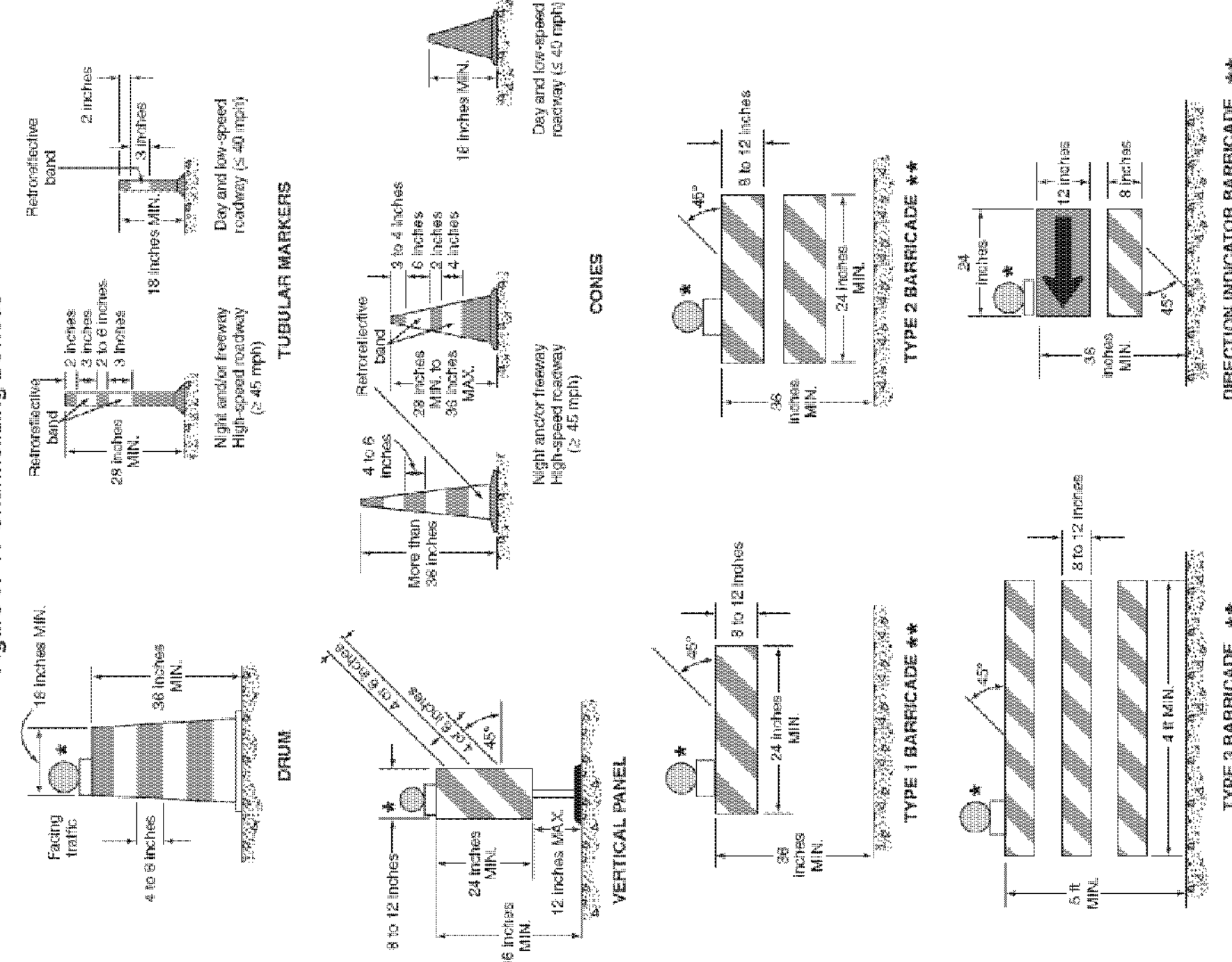


Figure 6F-7. Channelizing Devices



\* Warning lights (optional)  
\*\* Rail stop widths shall be 6 inches, except that 4-inch wide stops may be used if rail lengths are less than 30 inches. The sides of barricades using traffic shall have reflective rail flaps.

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

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

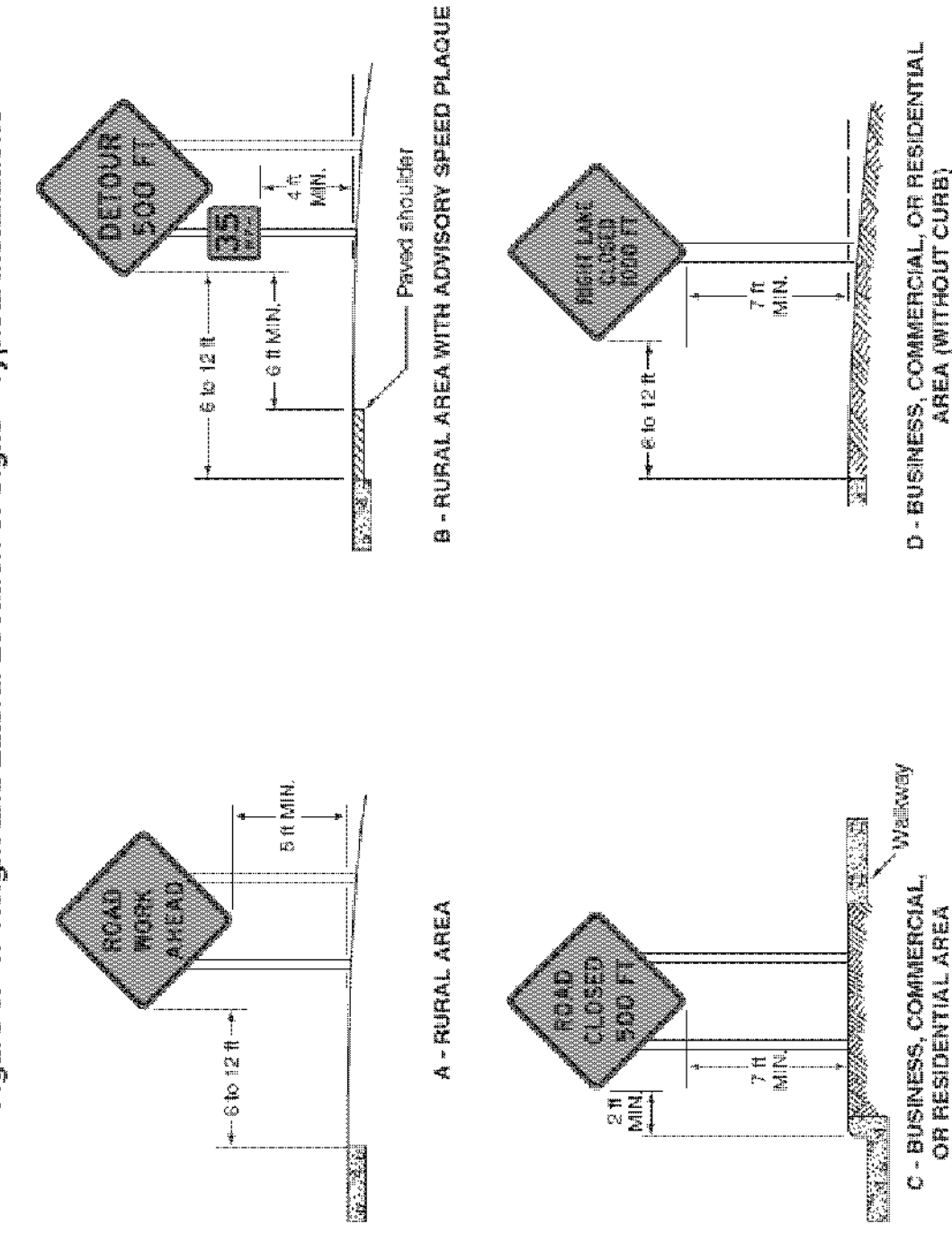


Figure 6C-2. Types of Tapers and Buffer Spaces

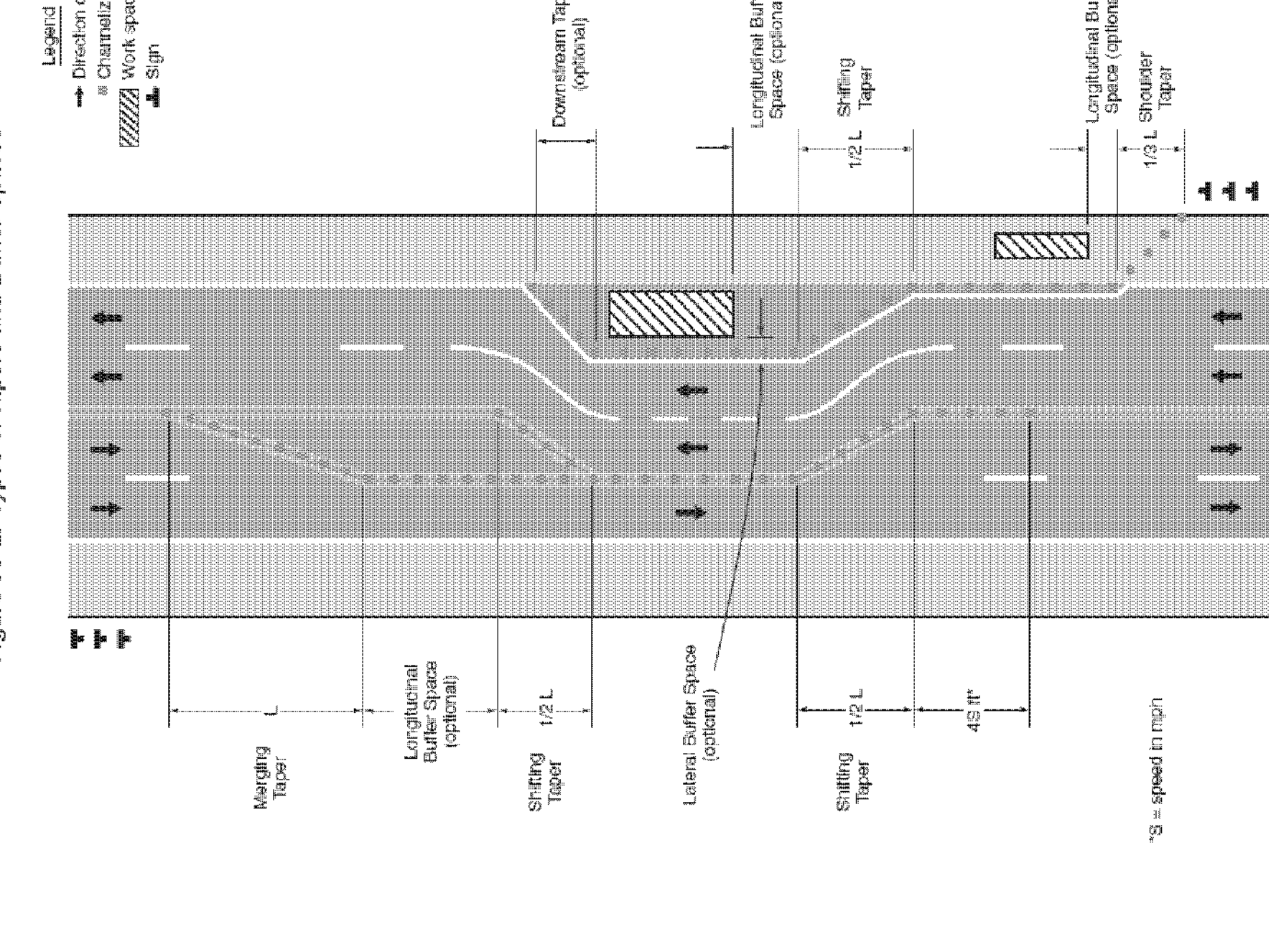


Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	A	B
Urban (low speed)**	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet
Rural	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 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-4. A is the distance from the transition or point of restriction to the first sign. B is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "third" sign is the sign that is furthest upstream.)

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

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

Table 6C-4. Formulas for Determining Taper Length

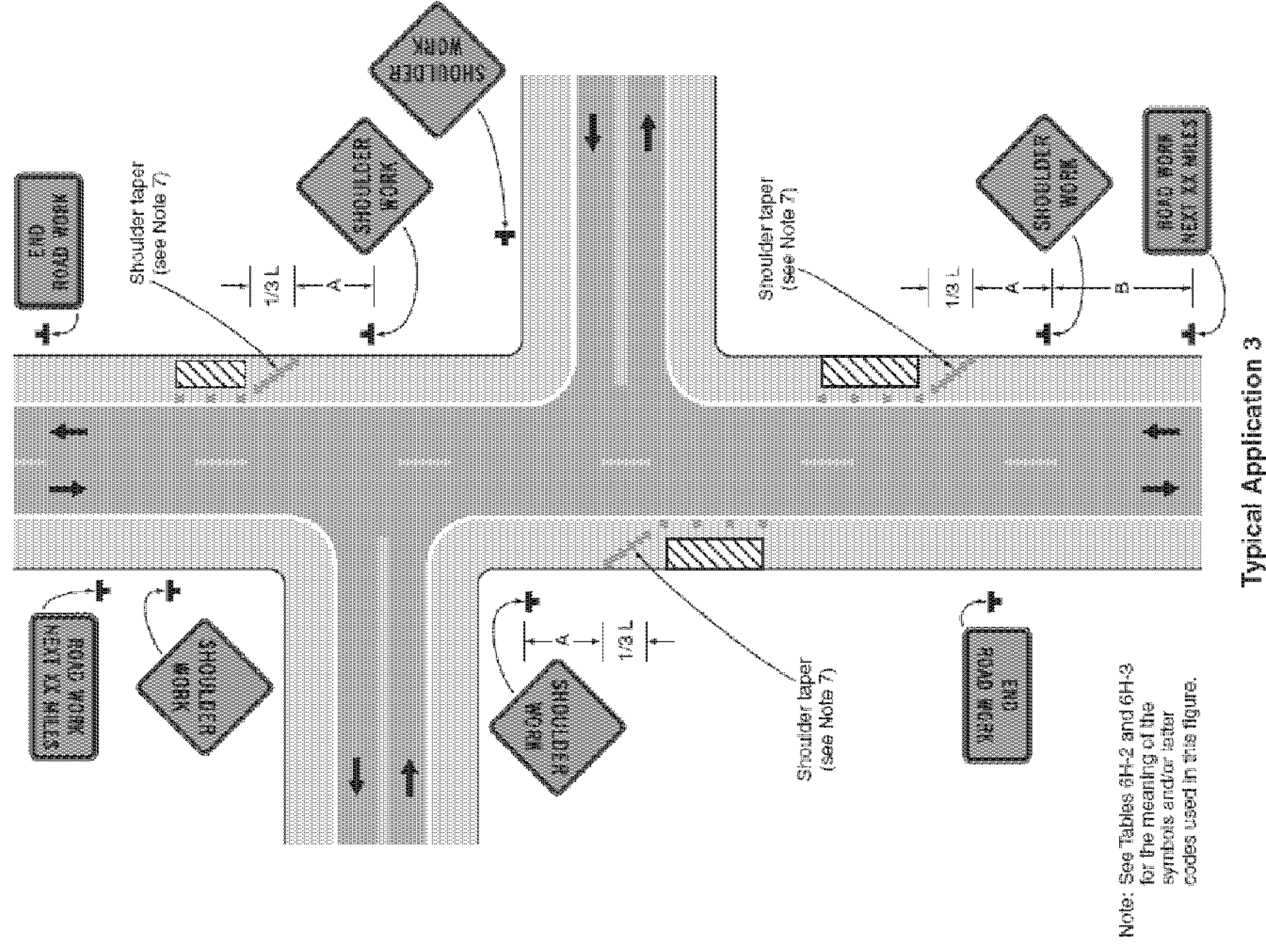
Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet

S = width of offset in feet

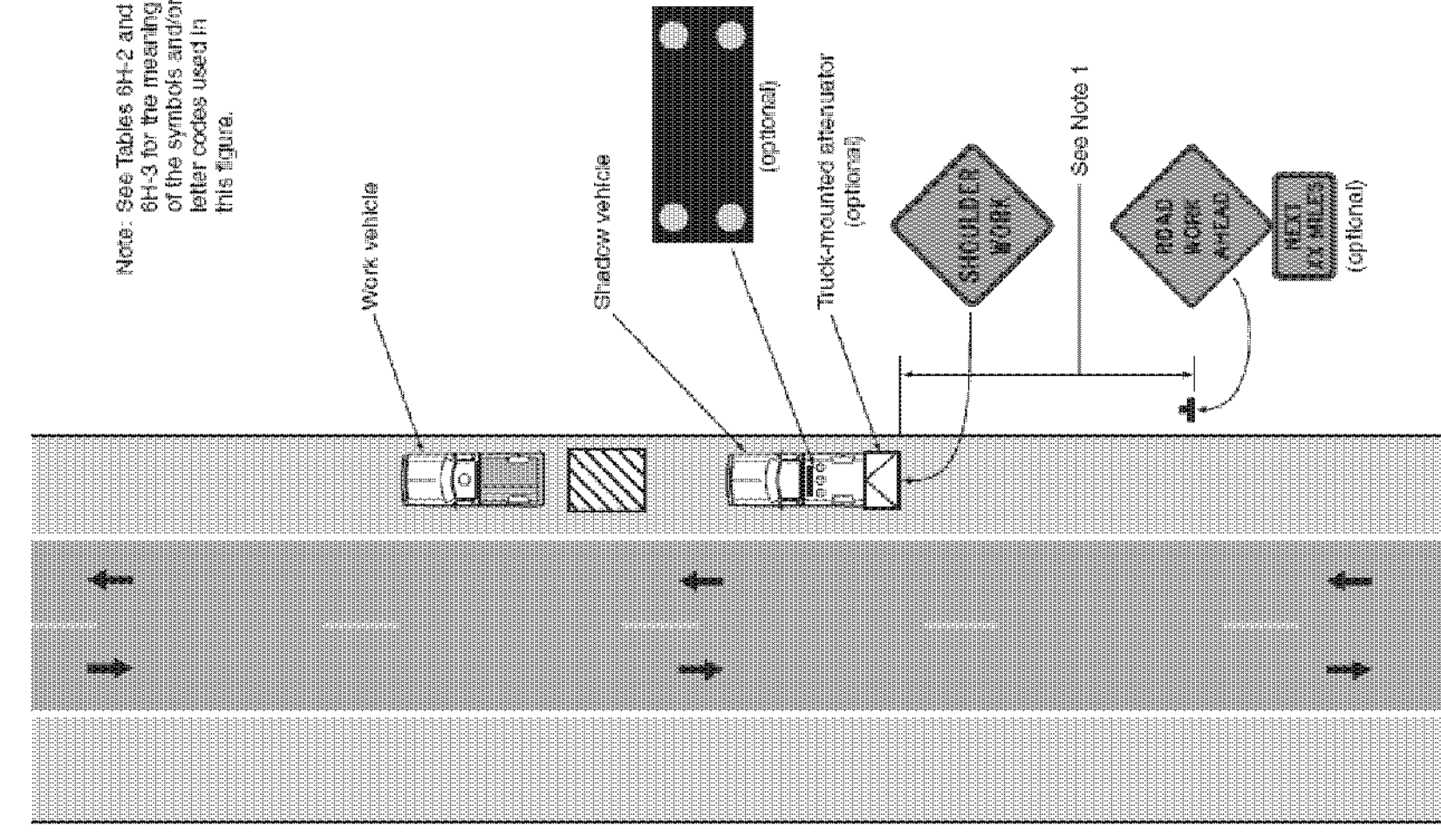
W = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

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



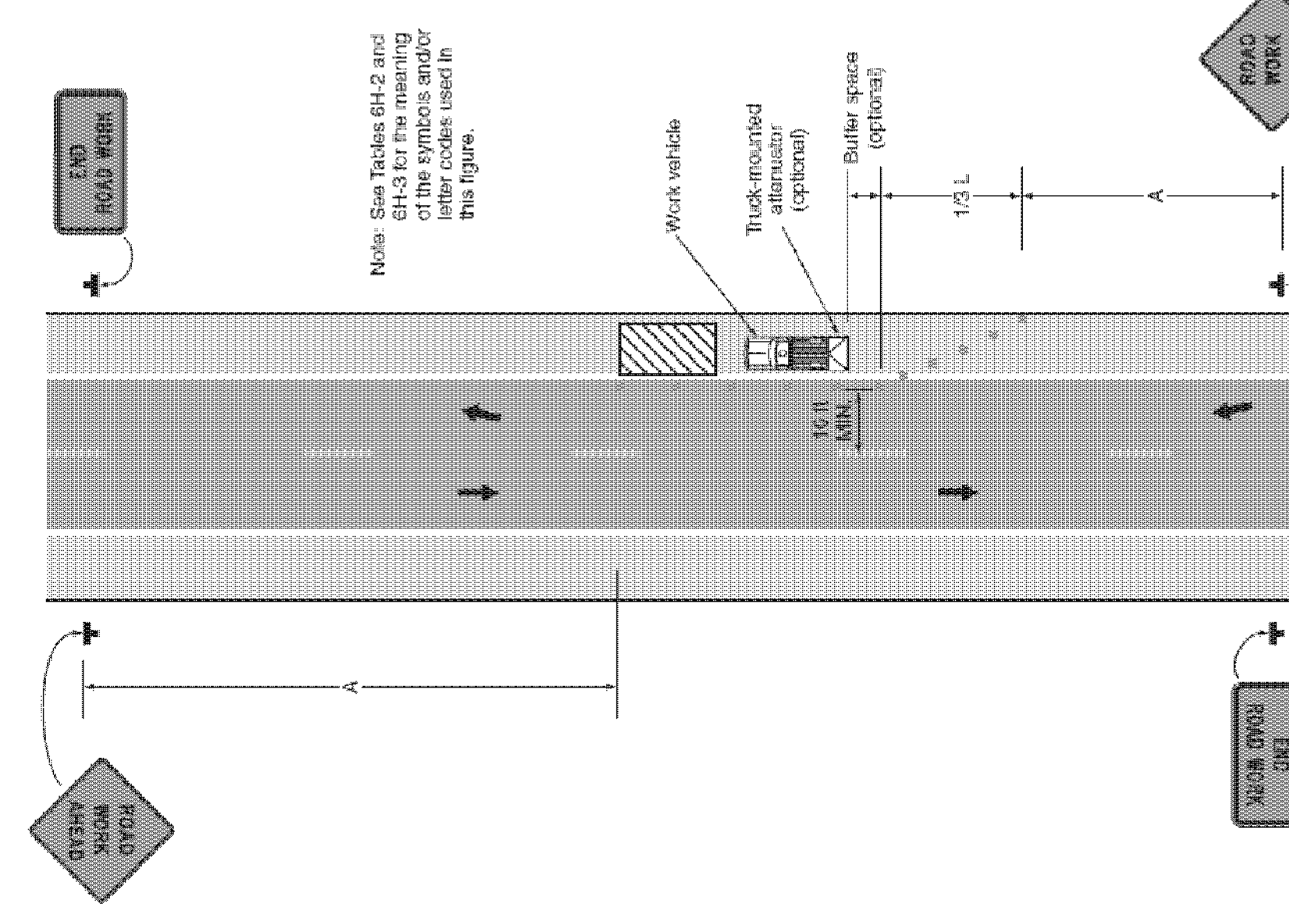
Typical Application 3

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



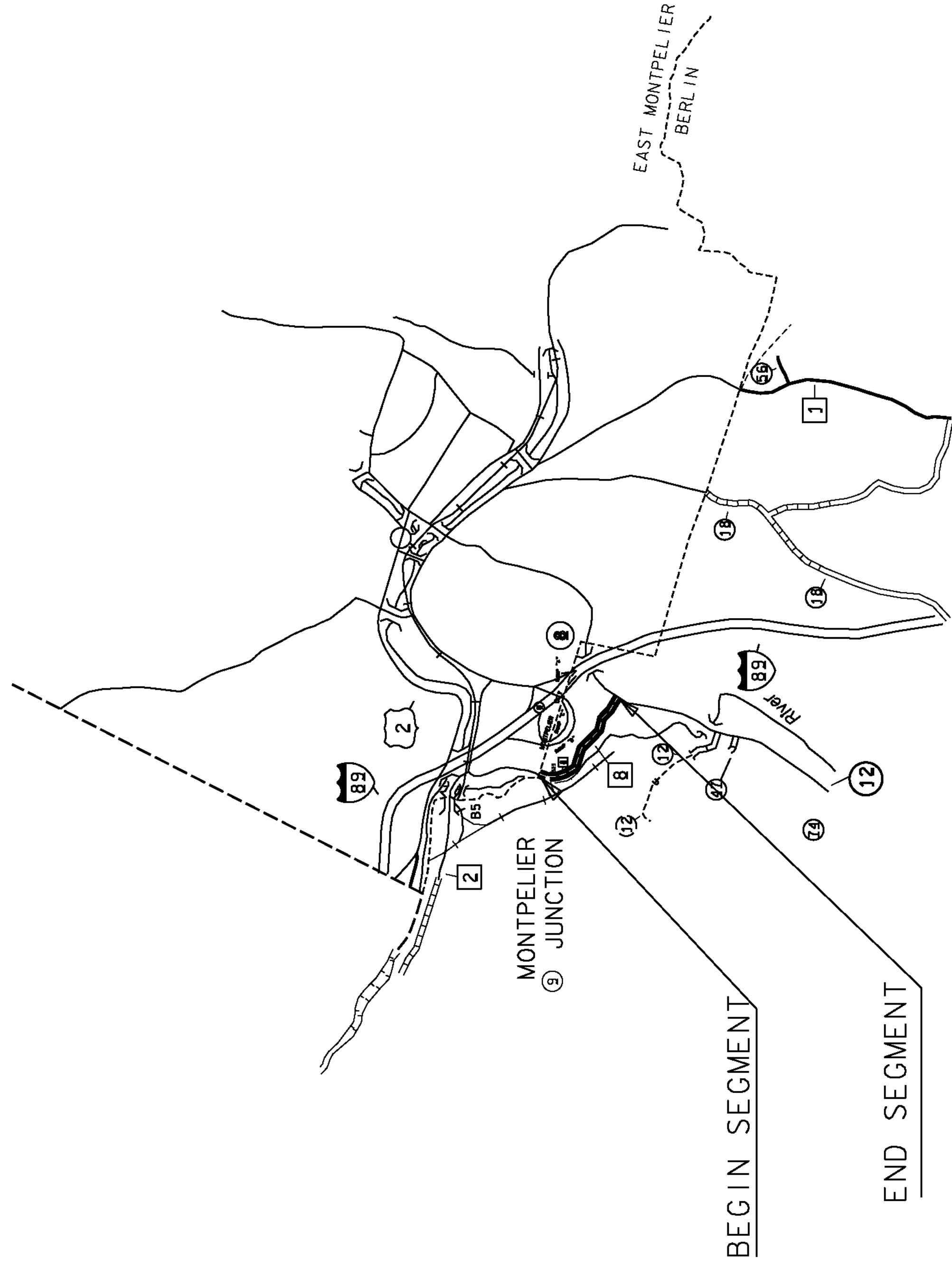
Typical Application 4

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



Typical Application 6

BERLIN



WORK TO BEGIN AT THE TOWN LINE OF MONTPELIER AND BERLIN ON DOG RIVER ROAD (TH-8) IN THE TOWN OF BERLIN, DESIGNATING THIS AS MILE MARKER 0.000 AND EXTENDING EASTERLY ALONG DOG RIVER ROAD (TH-8) FOR A DISTANCE OF 0.680 MILES TO A POINT 0.089 MILES EAST OF POLE 2/GMP/27501 (MM 0.591) TO END THIS SEGMENT OF THE PROJECT.

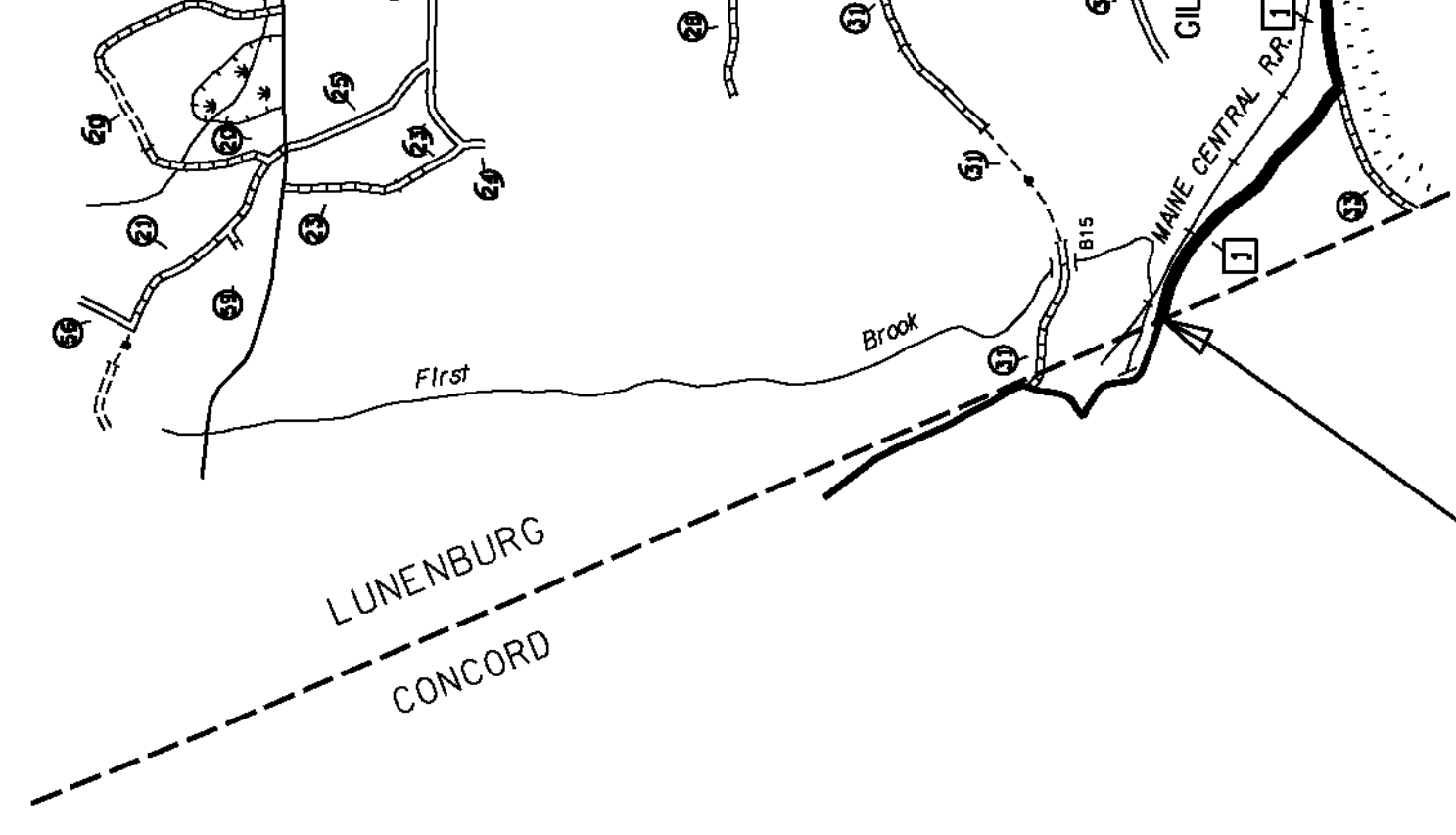
BEGIN SEGMENT

END SEGMENT

BEGIN SEGMENT

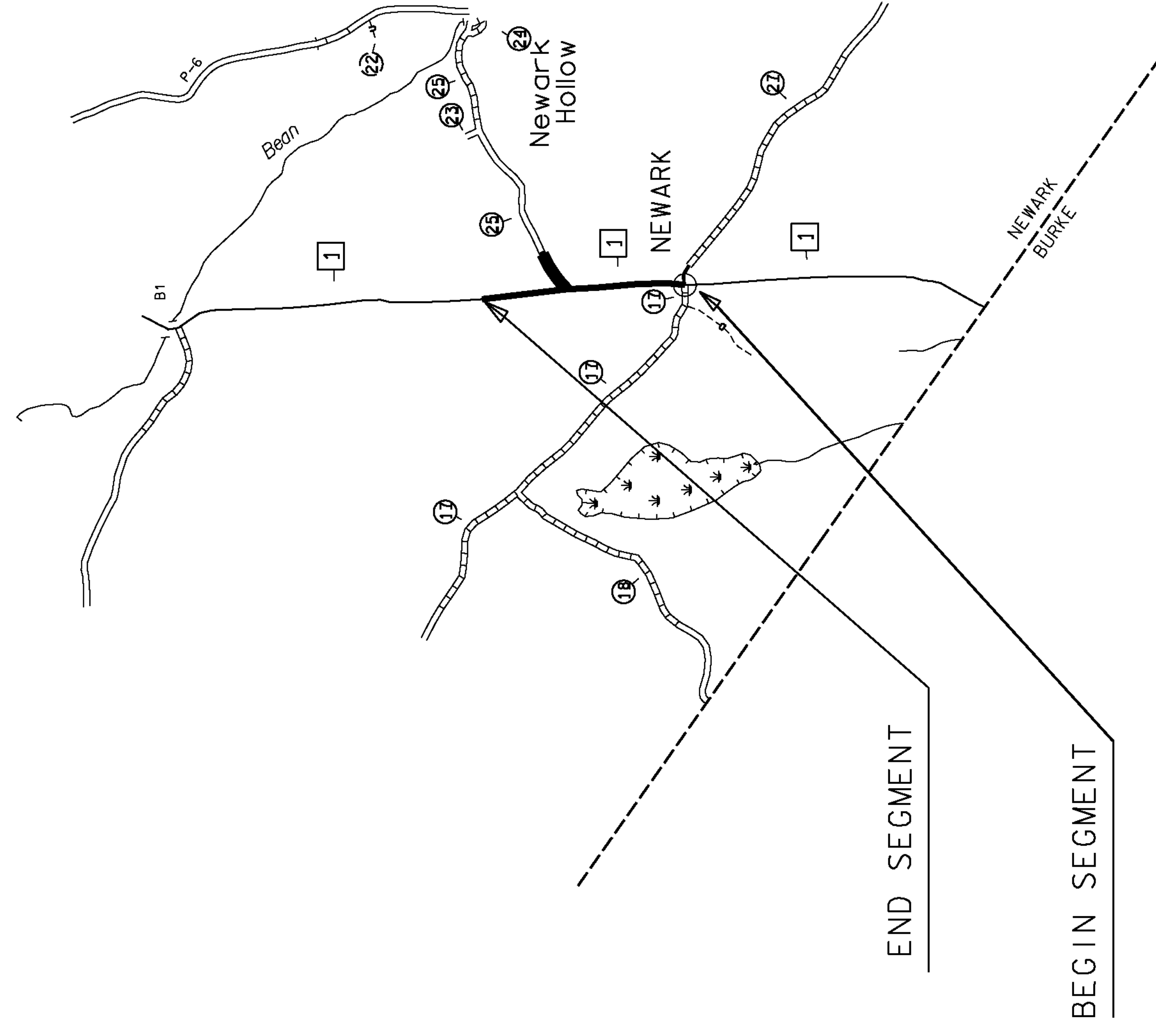
WORK TO BEGIN AT THE  
ON SOUTH RIVER ROAD (TH-1)  
THIS POINT AS MILE MARKER  
A DISTANCE OF 7.100 MILES  
POLE # 37-7/NET/895 (MM

ALSO WORK TO BEGIN AT THE  
AND MT. ORNE BRIDGE ROAD  
ROADS INTERSECTS AS MILE  
ORNE BRIDGE ROAD  
TO END THIS



L

# NEWARK

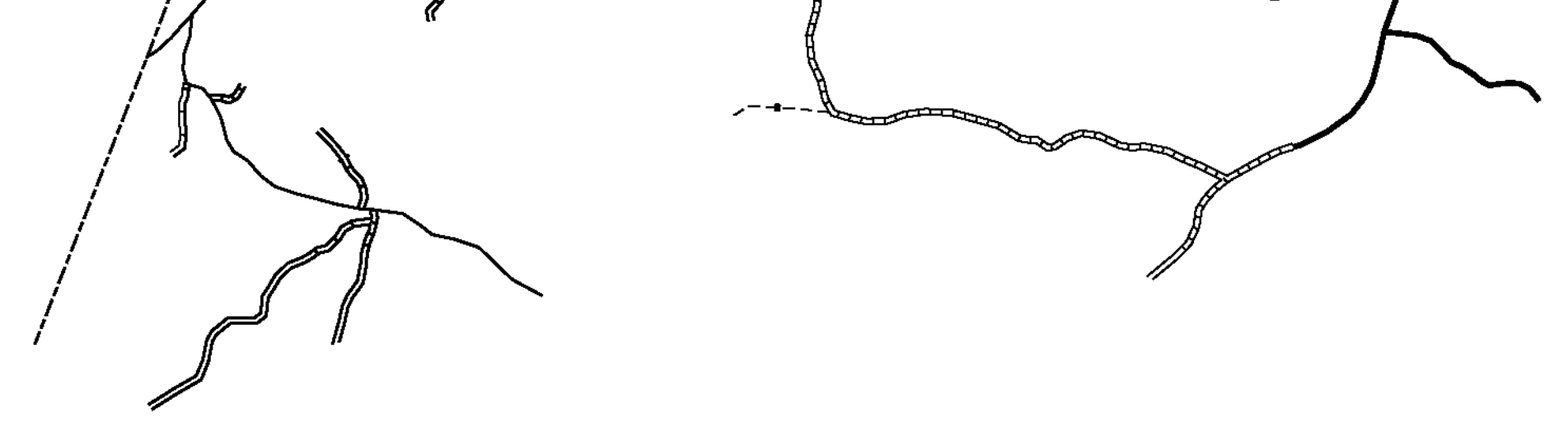


WORK TO BEGIN AT THE INTERSECTION OF NEWARK STREET (TH-1) AND SCHOOLHOUSE ROAD (TH-17) AT MM 1.260 AND CONTINUING NORTHERLY ALONG NEWARK STREET (TH-1) 0.574 MILES TO POLE #88 /134 (MM1.834) TO END THIS SEGMENT OF THE PROJECT.

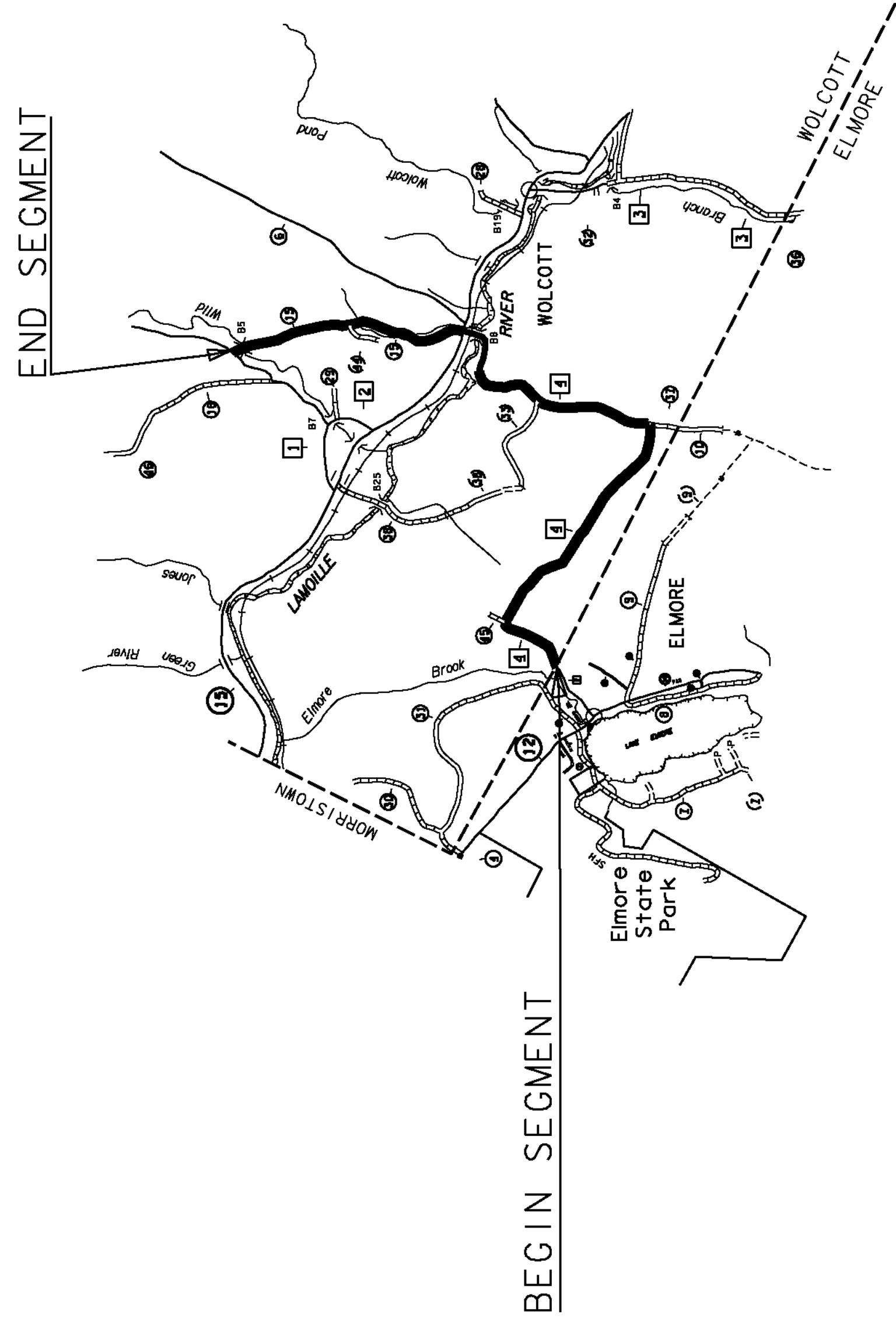
ALSO WORK TO BEGIN AT THE INTERSECTION OF NEWARK STREET (TH-1) AND HOLLOW ROAD (TH-25) DESIGNATING WHERE THE CENTER OF THESE ROADS INTERSECTS AS MILE MARKER 0.000 AND EXTENDING EASTERLY ALONG HOLLOW ROAD (TH-25) FOR A DISTANCE OF 0.070 MILES TO A POINT 0.024 MILES EAST OF POLE # NET/618 /1 (MM 0.046) TO END THIS SEGMENT OF THE PROJECT.

BEGINNING AT THE INTERSECTION OF SCOTCH HOLLOW ROAD DESIGNATED AS MILE MARKER 0.000 NORTHERLY ALONG LEIGHTON HILL TO A POINT 0.093 MILES NORTH (MM 4.533) TO END THIS

# N

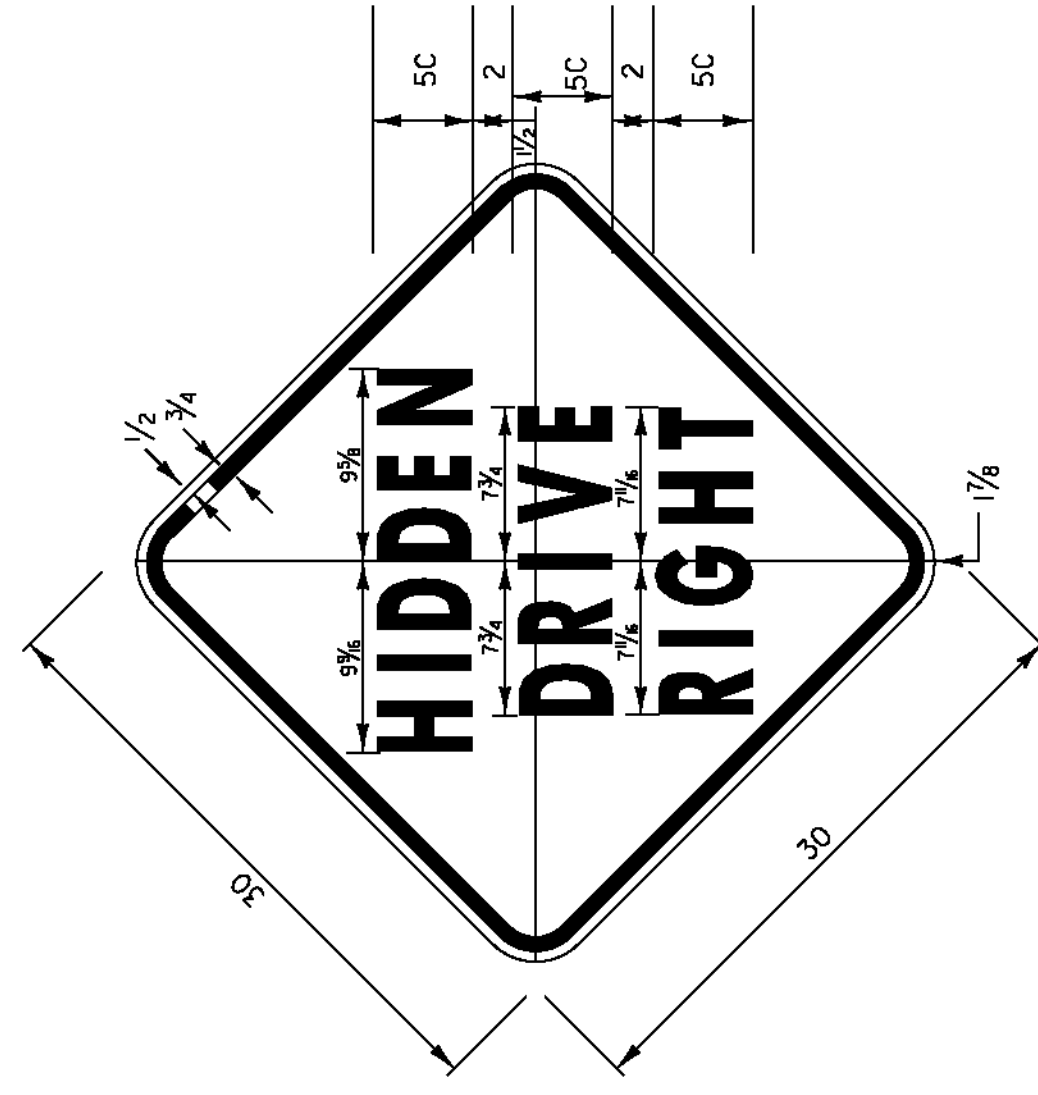


# WOLCOTT



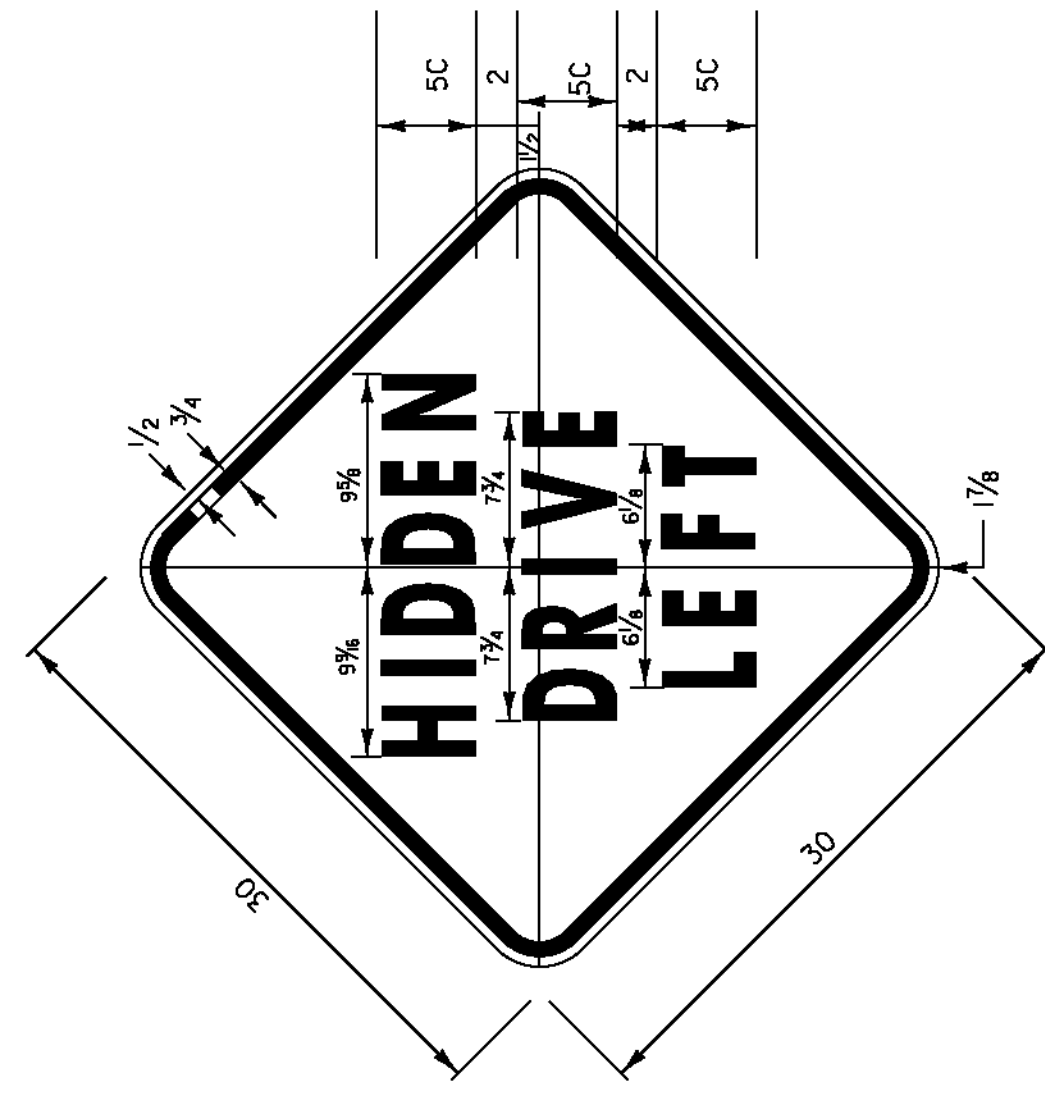
WORK TO BEGIN AT THE TOWN LINE OF WOLCOTT AND ELMORE IN THE TOWN OF WOLCOTT, DESIGNATING THIS POINT AS MILE MARKER 0.000 AND EXTENDING NORTHERLY ALONG ELMORE POND ROAD (TH-4) FOR A DISTANCE OF 3.402 MILES TO THE INTERSECTION OF ELMORE POND ROAD AND RTE 15 TO END THIS SEGMENT OF THE PROJECT.

ALSO WORK TO BEGIN AT MILE MARKER 3.410 EXTENDING NORTHERLY ALONG GULF ROAD (TH-15) AND TRAVELING FOR A DISTANCE OF 1.481 MILES TO A POINT 32' NORTH OF POLE # 38-3/ 1 (MM 4.891) TO END THIS SEGMENT OF THE PROJECT.



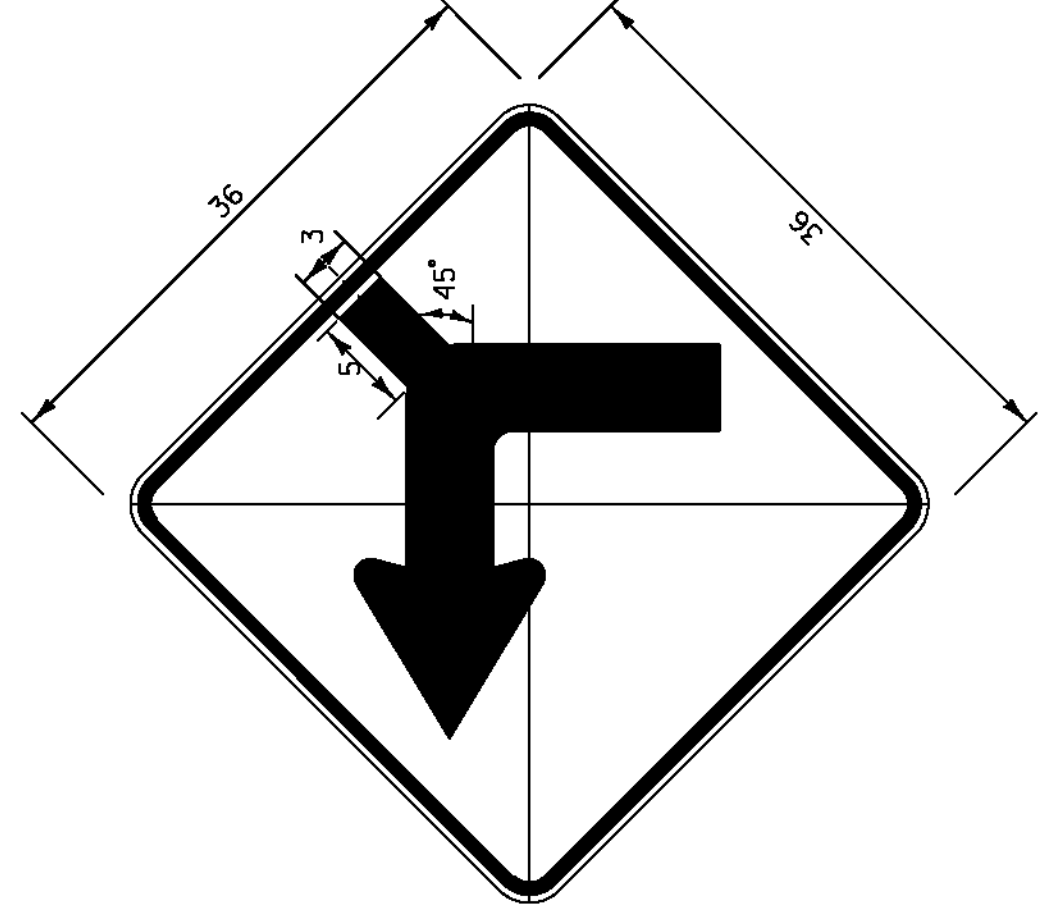
VW-054  
 1.875" RADIUS, 0.75" BORDER, 0.50" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - YELLOW  
 TEXT STYLE: C

**VW-054**



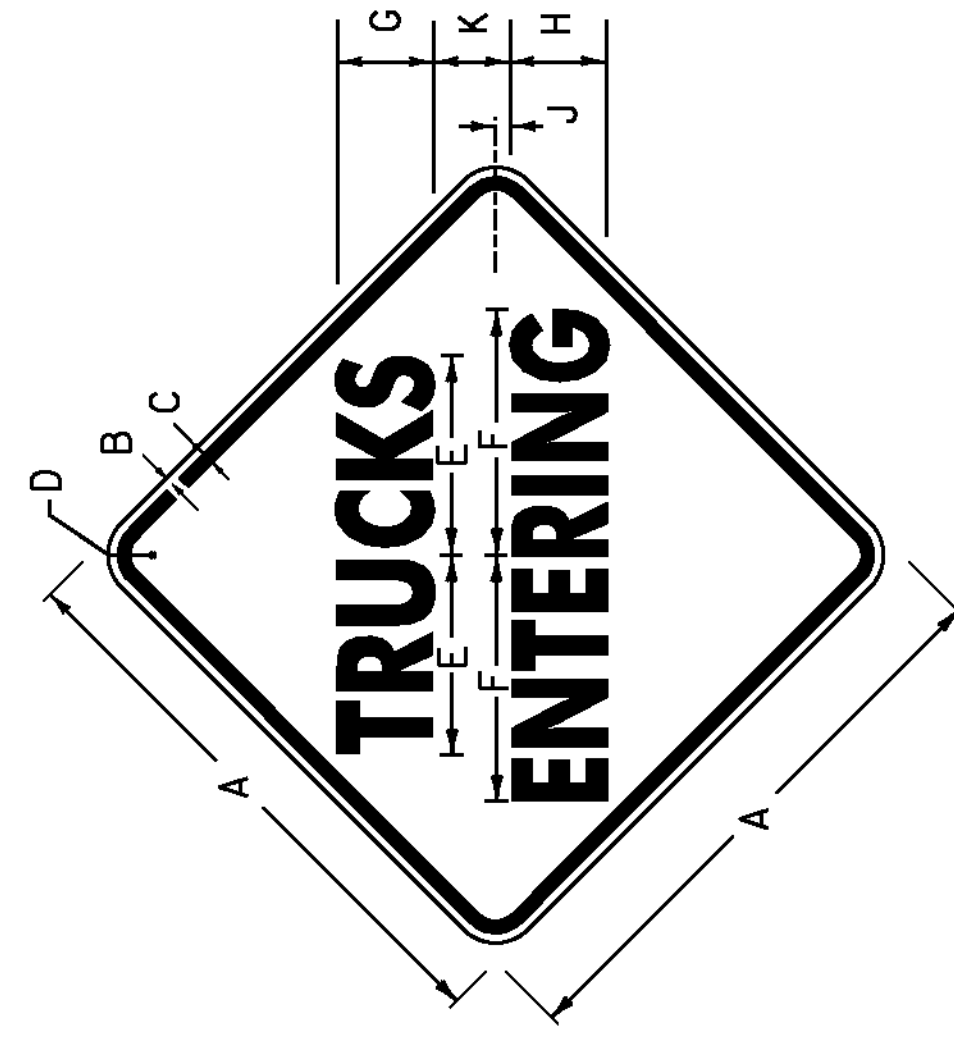
VW-133  
 1.875" RADIUS, 0.75" BORDER, 0.50" INDENT  
 COLORS: LEGEND - BLACK  
 BACKGROUND - YELLOW  
 TEXT STYLE: C

**VW-133**



W1-1Md 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

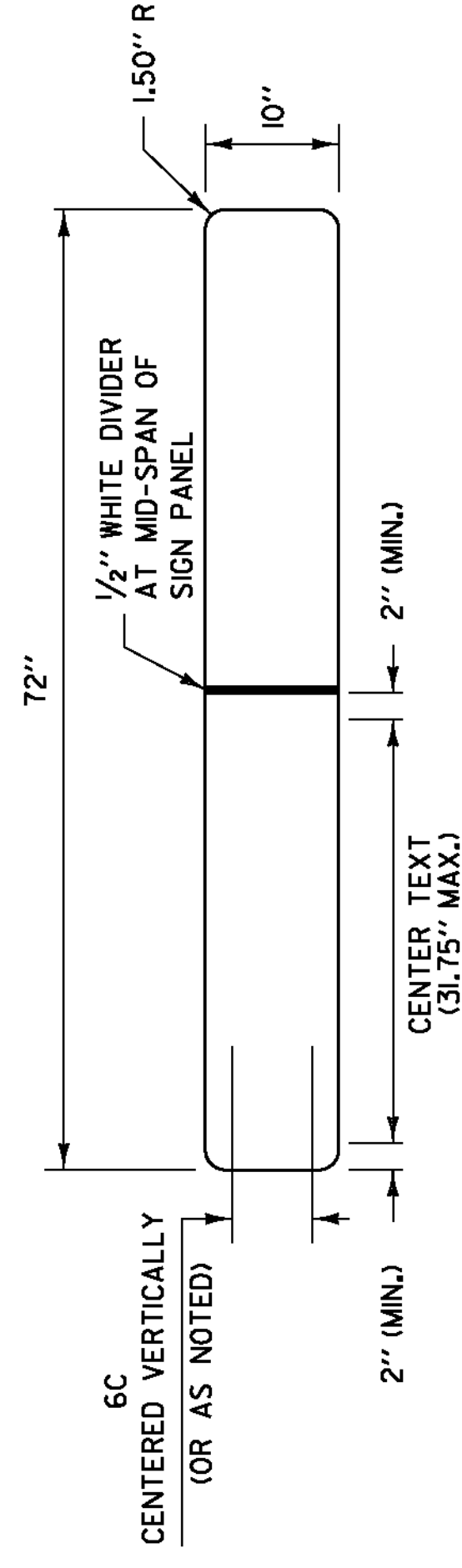
**W1-1Md L(R)**



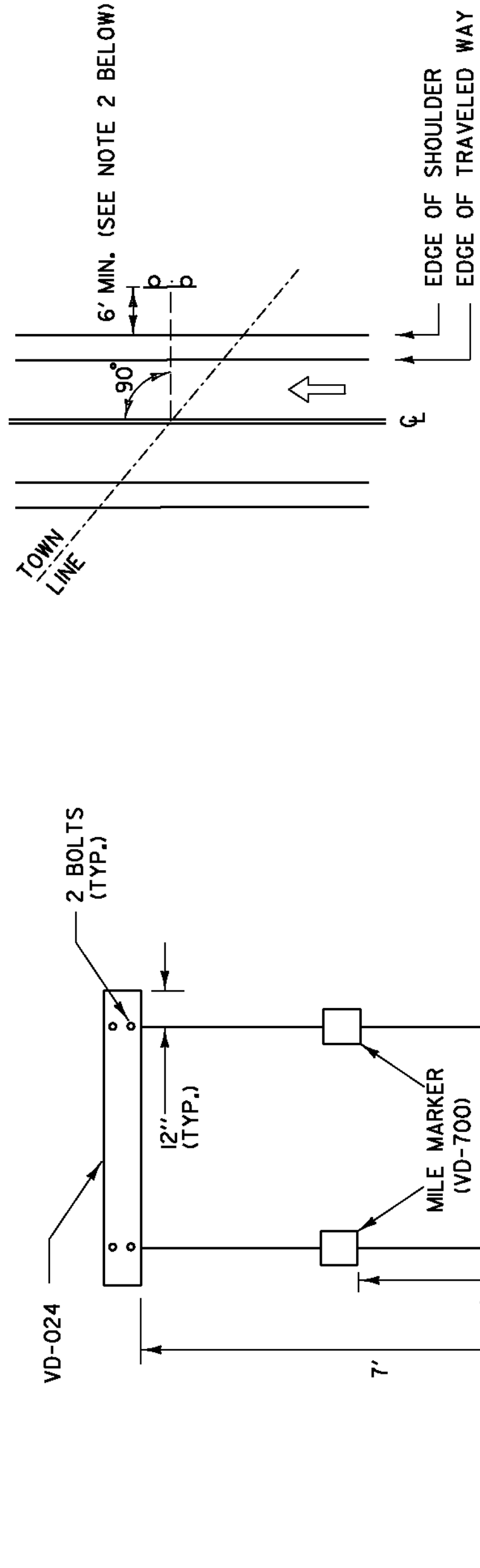
**VW-202**

SIGN	DIMENSIONS (INCHES)										
	A	B	C	D	E	F	G	H	J	K	
MIN	30	1/2	3/4	1 7/8	14 7/8	6 1/8	5C	5C	3/4	4	
STD	36	5/8	7/8	2 1/4	17 3/8	8	6C	6C	7/8	4 7/8	
SPECIAL	48	3/4	1 1/4	3	23 1/8	10 1/8	8B	8C	1 1/8	6 3/8	

NOTE:  
 D SIGNS WILL



**VD-024 / VD-025**

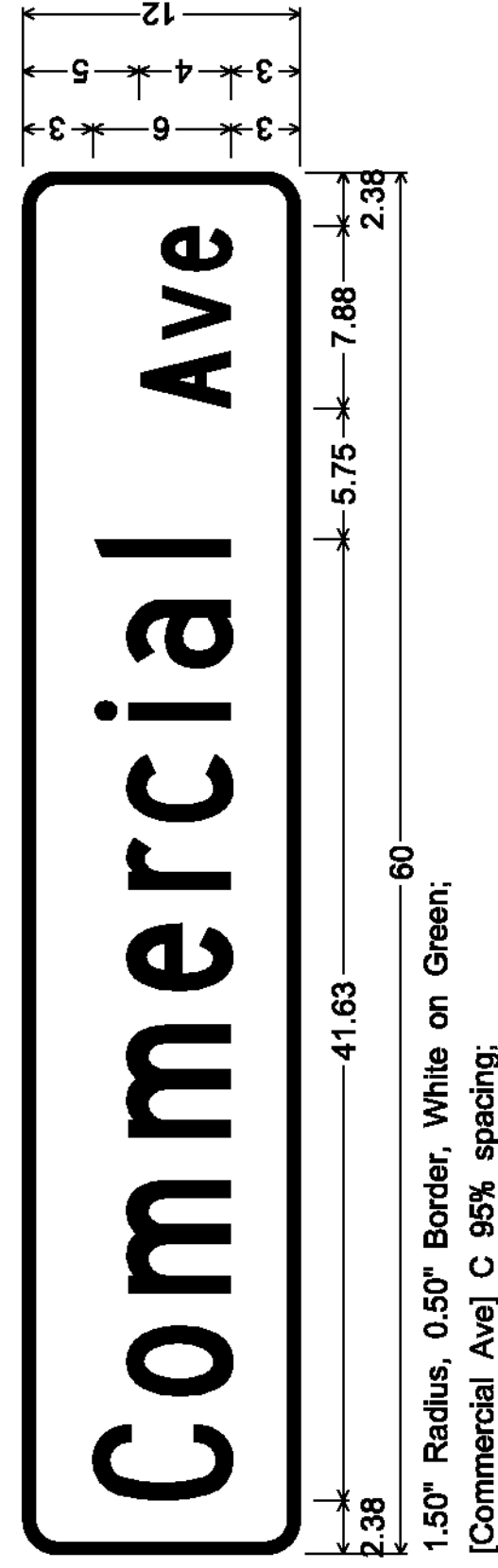


NOT TO SCALE

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.

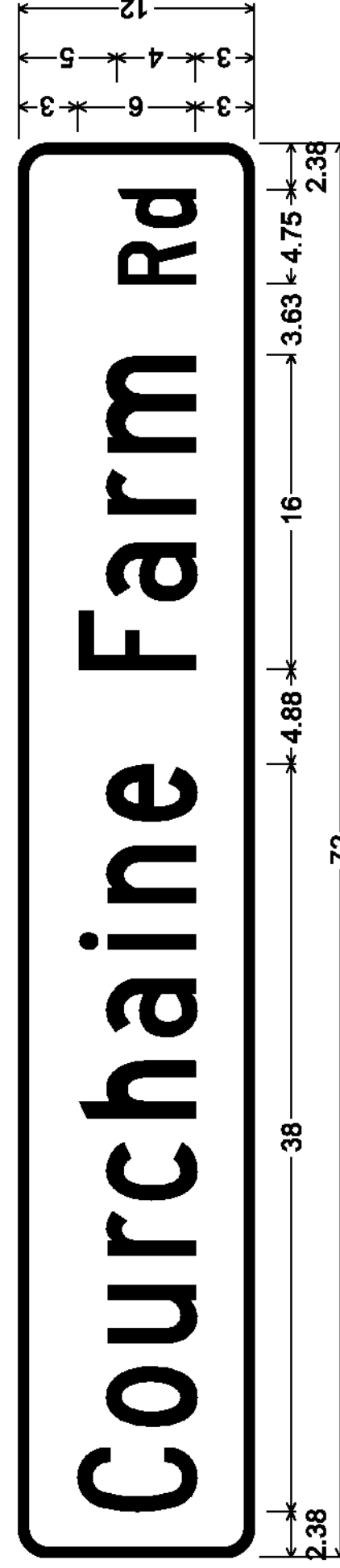
**TOWN / COUNTY LINE (VD-024 / VD-025) INSTALLATION:**

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.



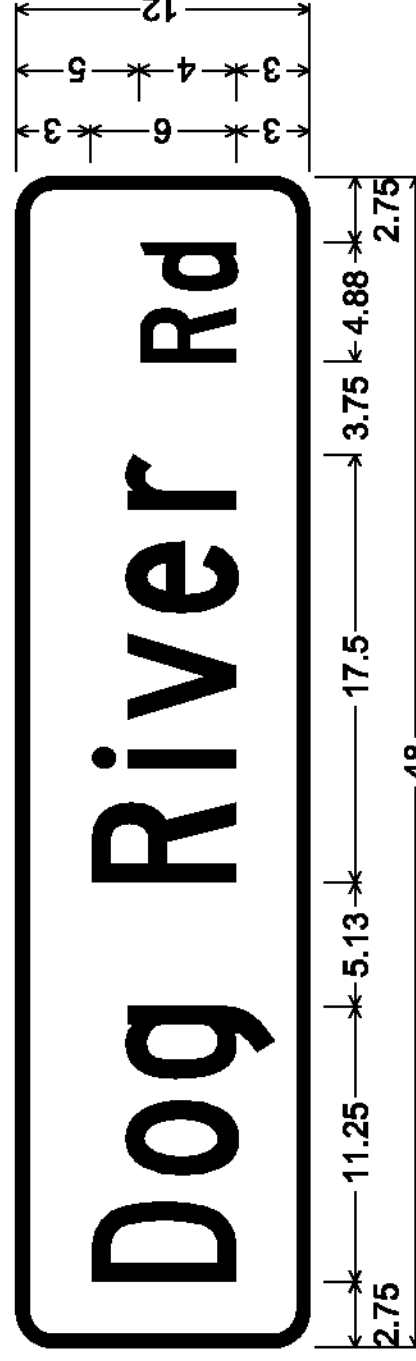
1.50" Radius, 0.50" Border, White on Green;  
[Commercial Ave] C 95% spacing;

**D3-1**



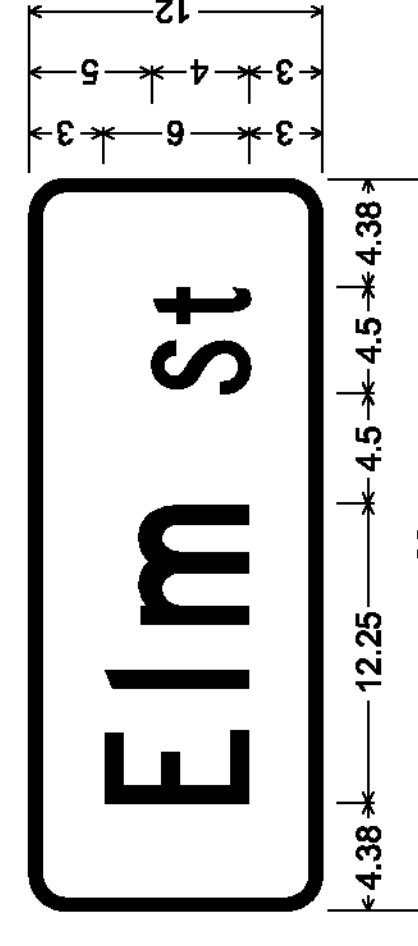
1.50" Radius, 0.50" Border, White on Green;  
[Courchaine Farm Rd] C 80% spacing;

**D3-1**



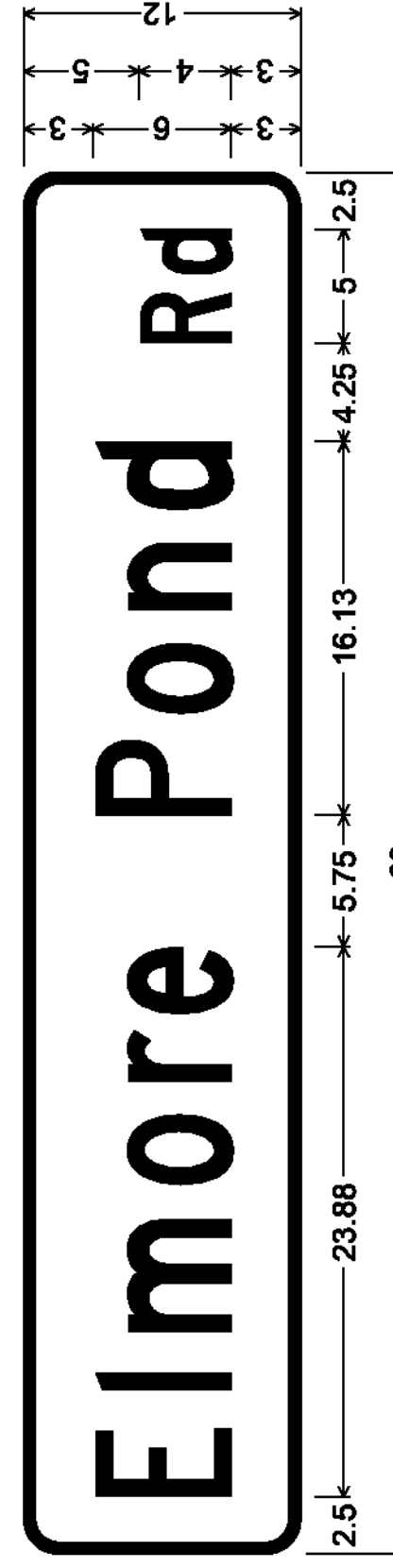
1.50" Radius, 0.50" Border, White on Green;  
[Dog River Rd] C 85% spacing;

**D3-1**



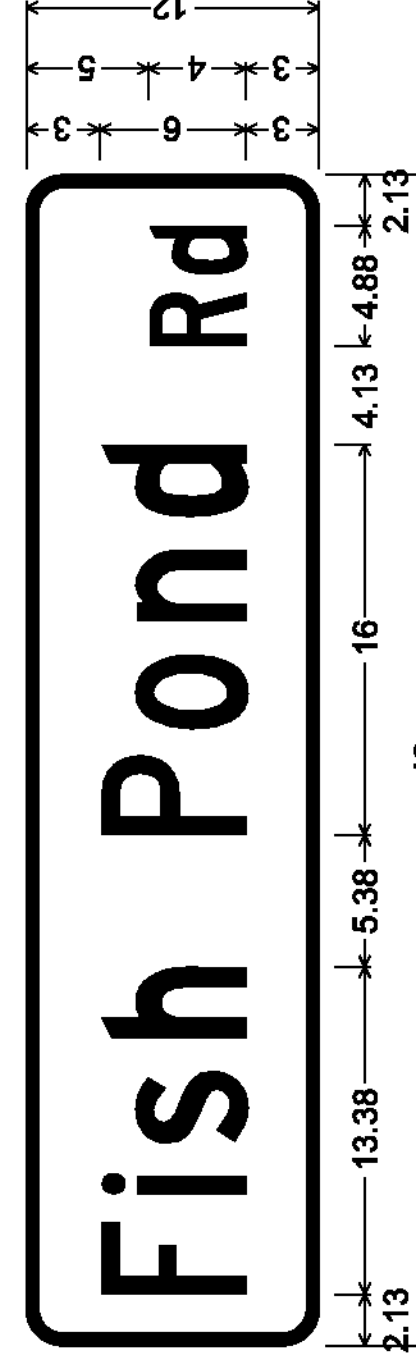
1.50" Radius, 0.50" Border, White on Green;  
[Elm St] C;

**D3-1**



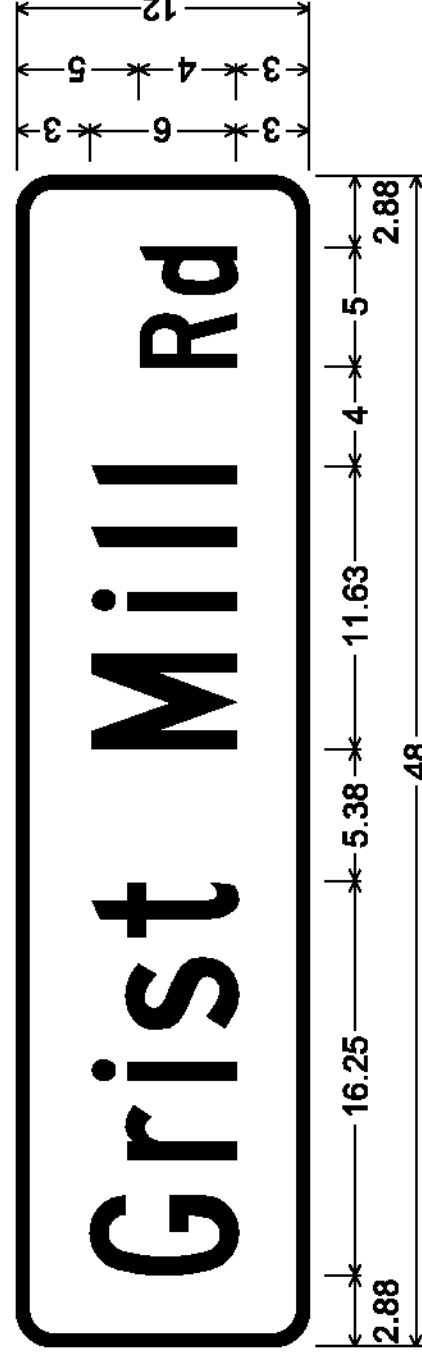
1.50" Radius, 0.50" Border, White on Green;  
[Elmore Pond Rd] C 95% spacing;

**D3-1**



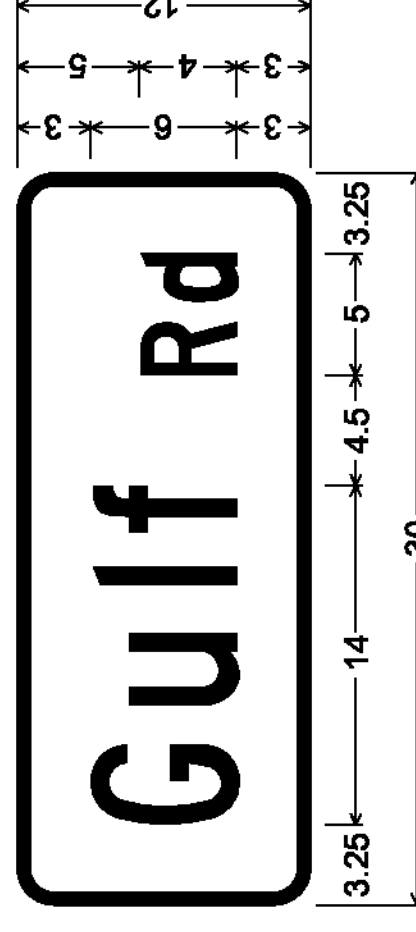
1.50" Radius, 0.50" Border, White on Green;  
[Fish Pond Rd] C 90% spacing;

**D3-1**



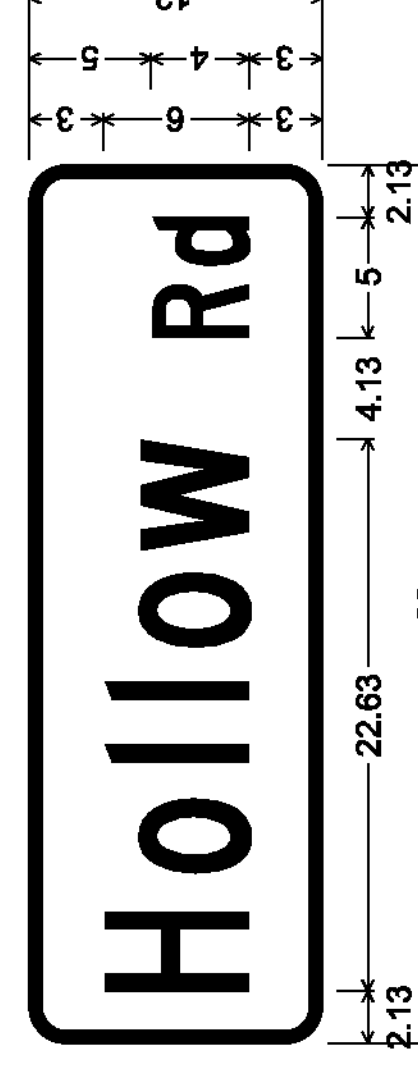
1.50" Radius, 0.50" Border, White on Green;  
[Grist Mill Rd] C 90% spacing;

**D3-1**



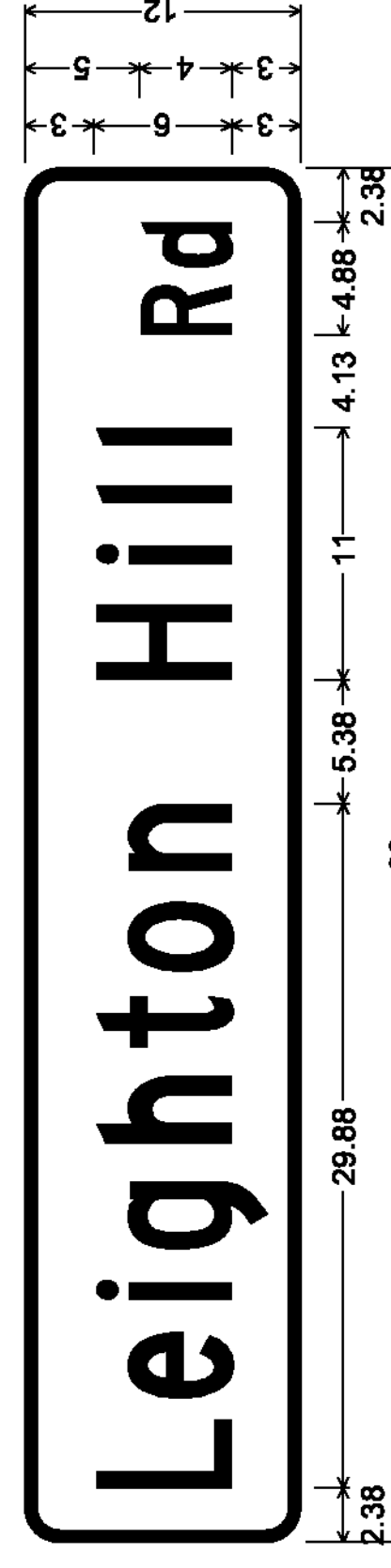
1.50" Radius, 0.50" Border, White on Green;  
[Gulf Rd] C;

**D3-1**



1.50" Radius, 0.50" Border, White on Green;  
[Hollow Rd] C 92% spacing;

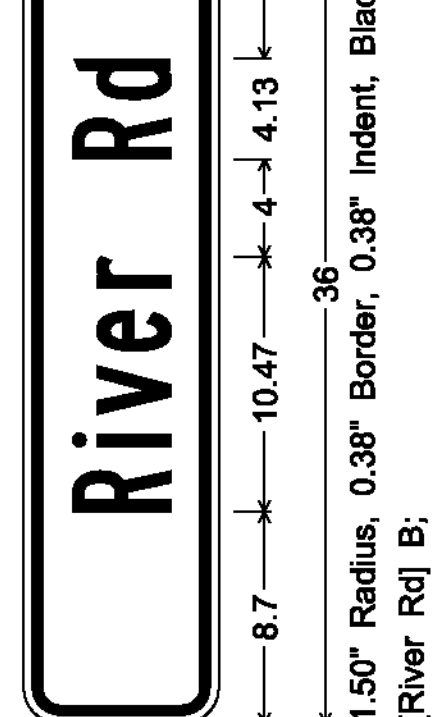
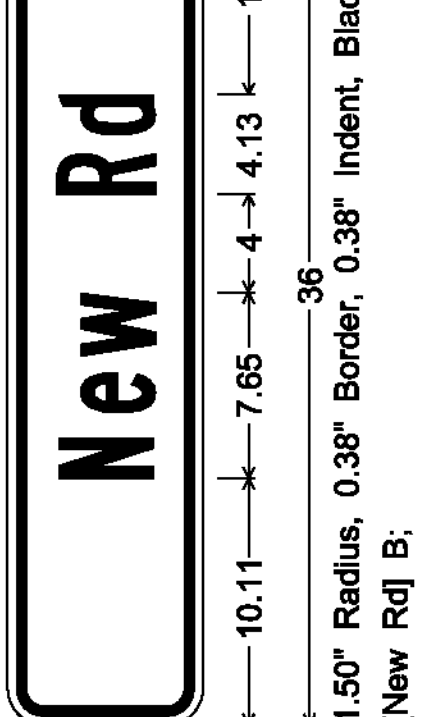
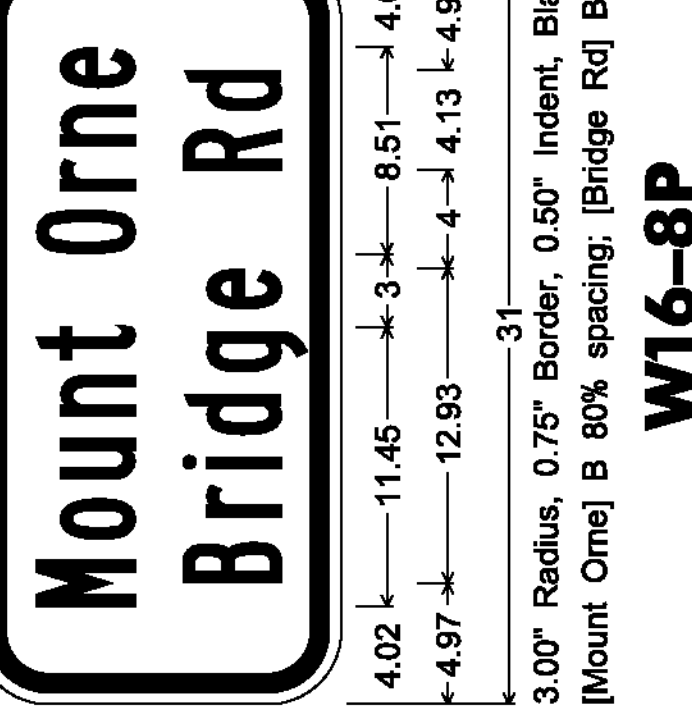
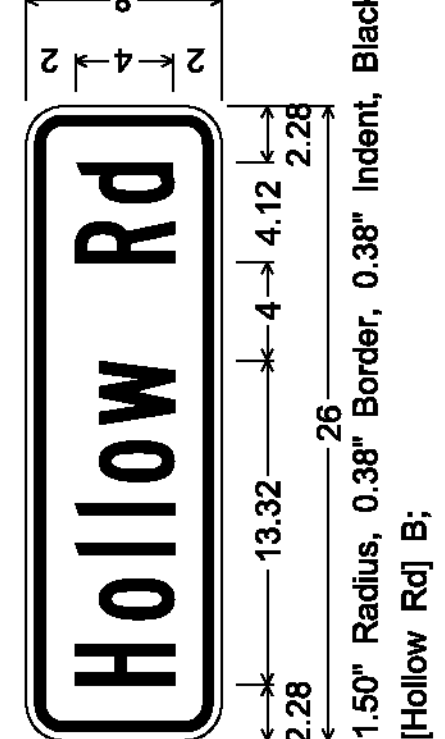
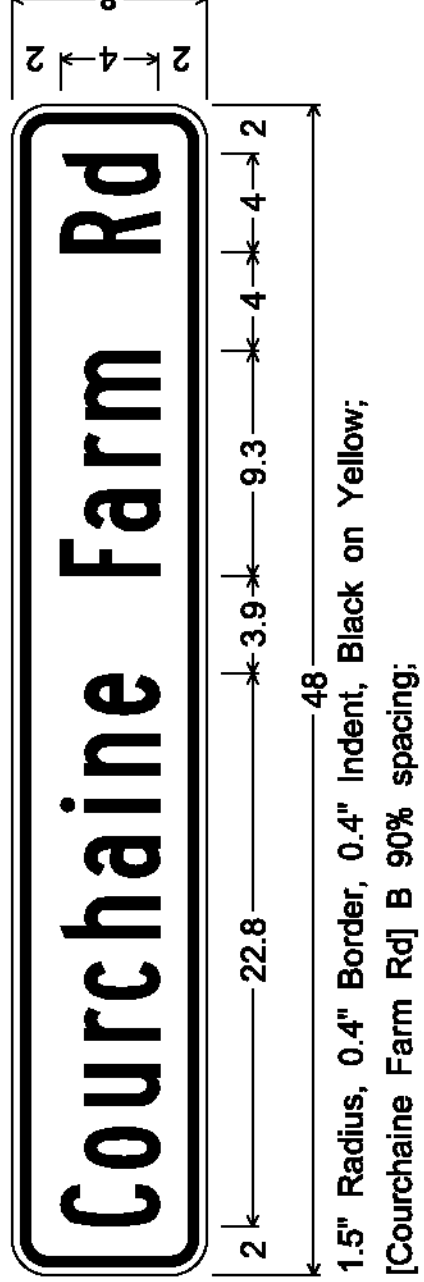
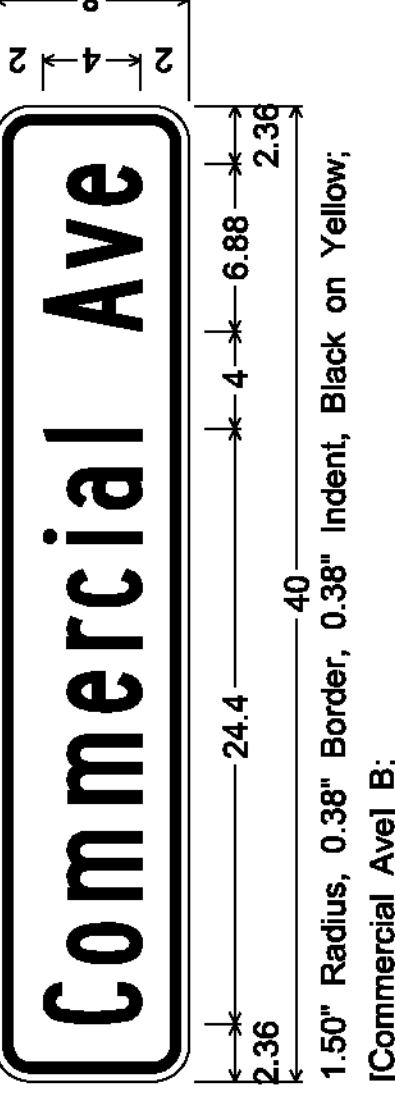
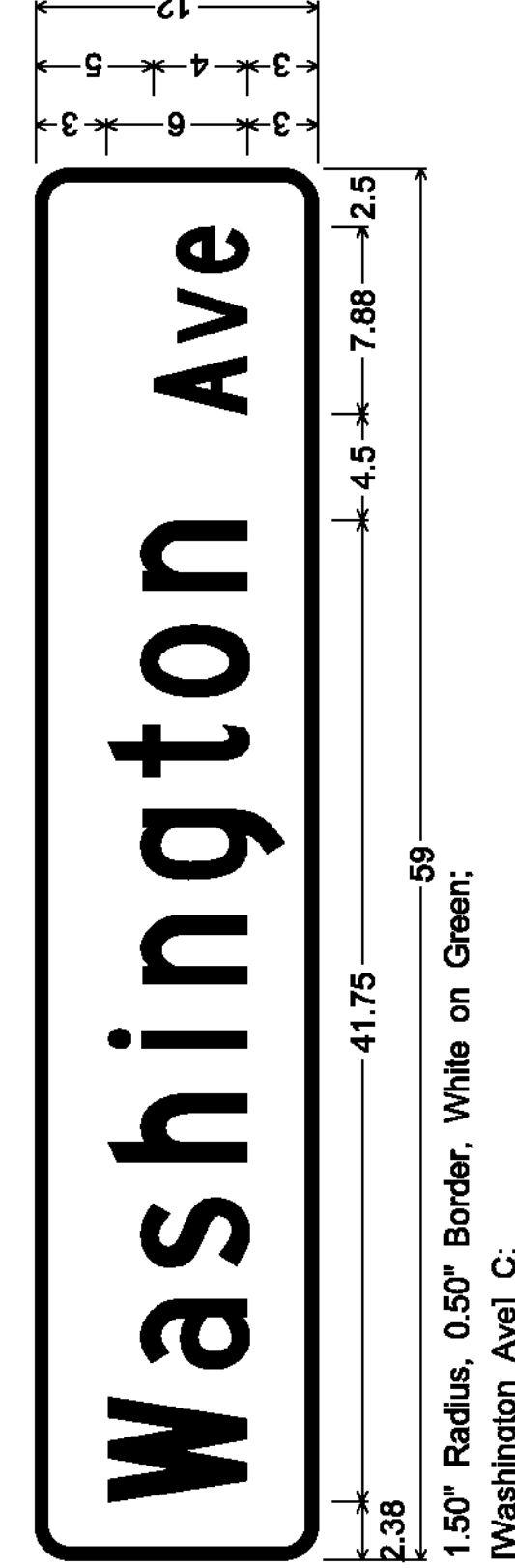
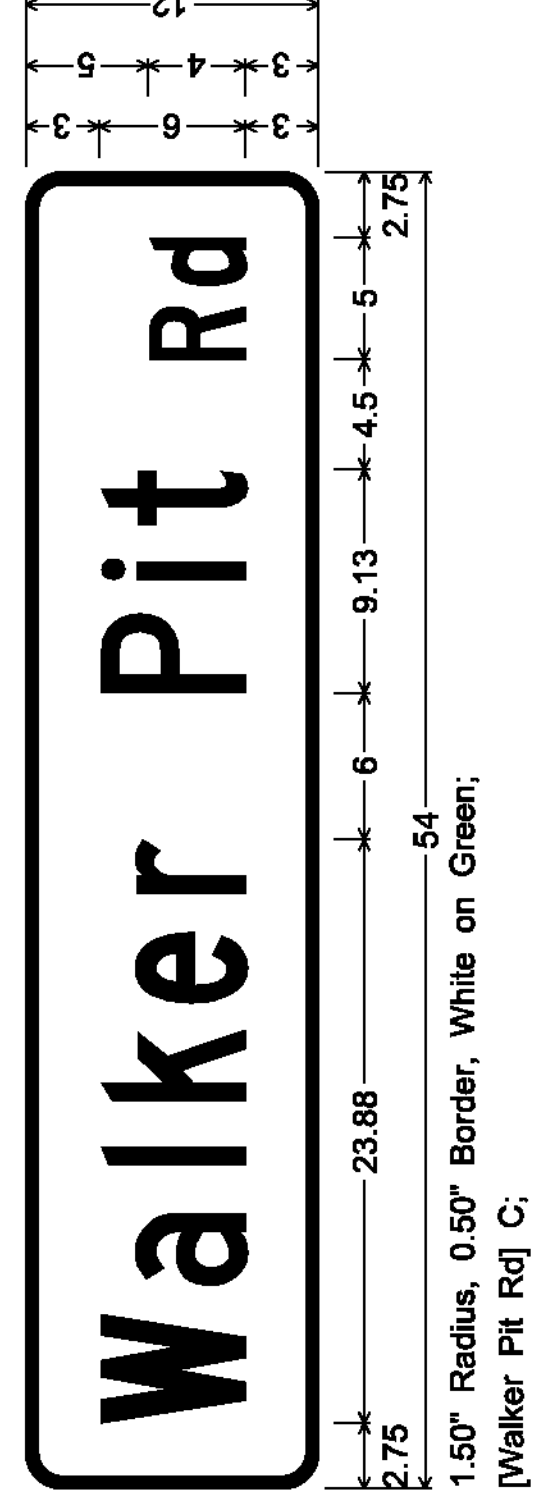
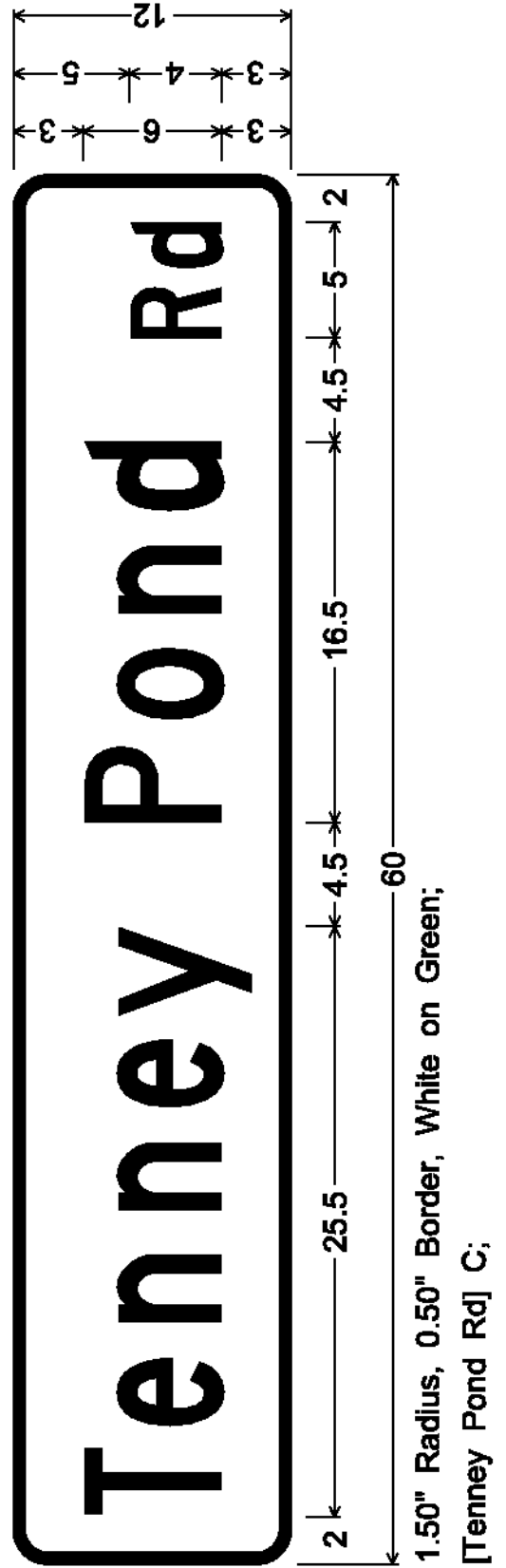
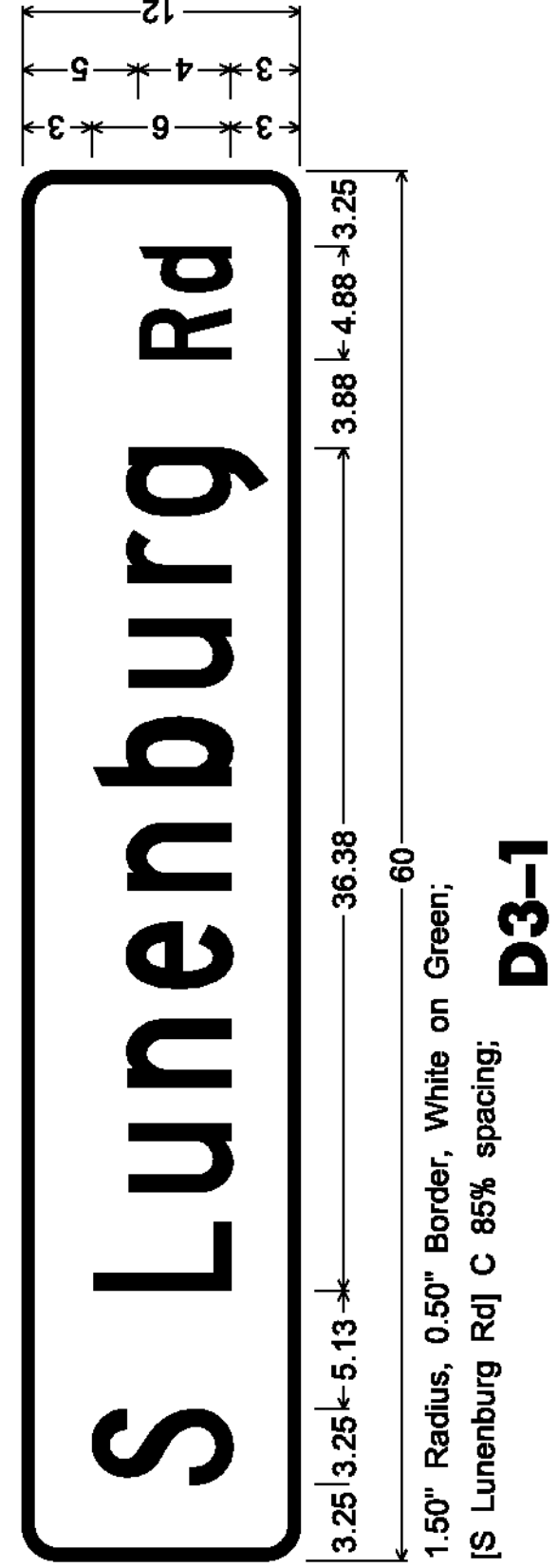
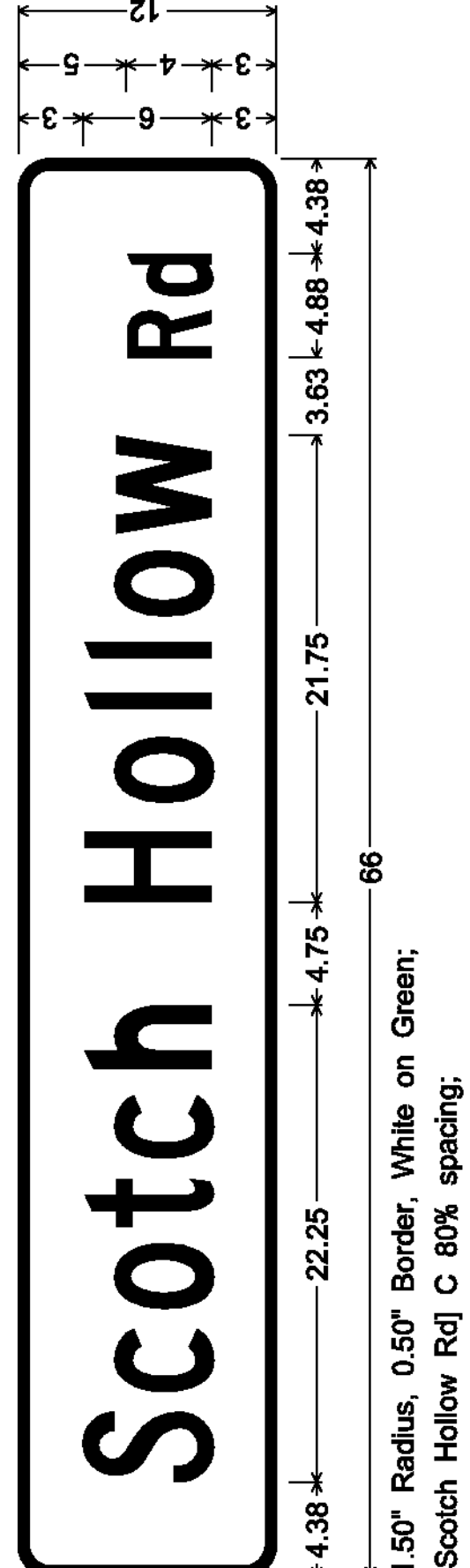
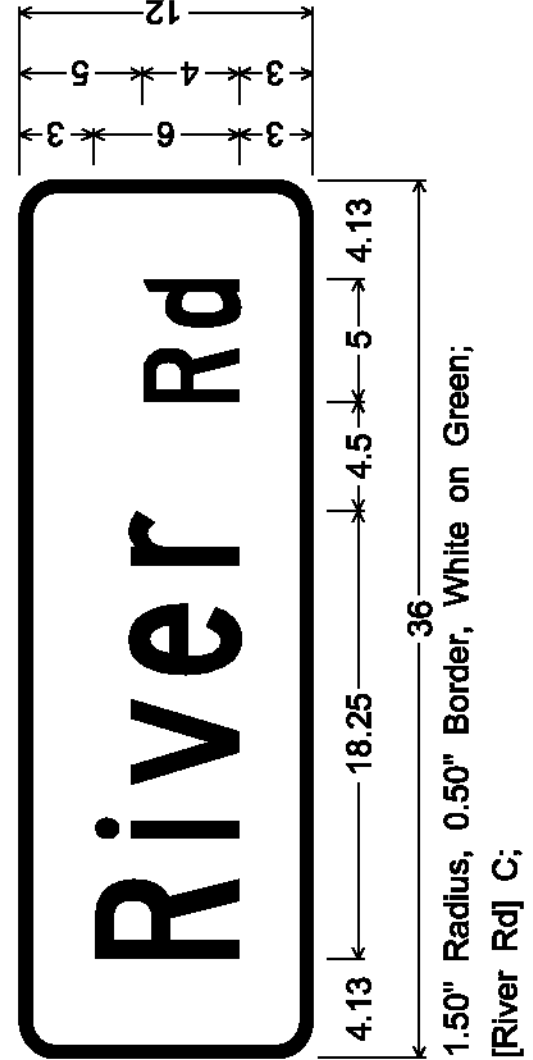
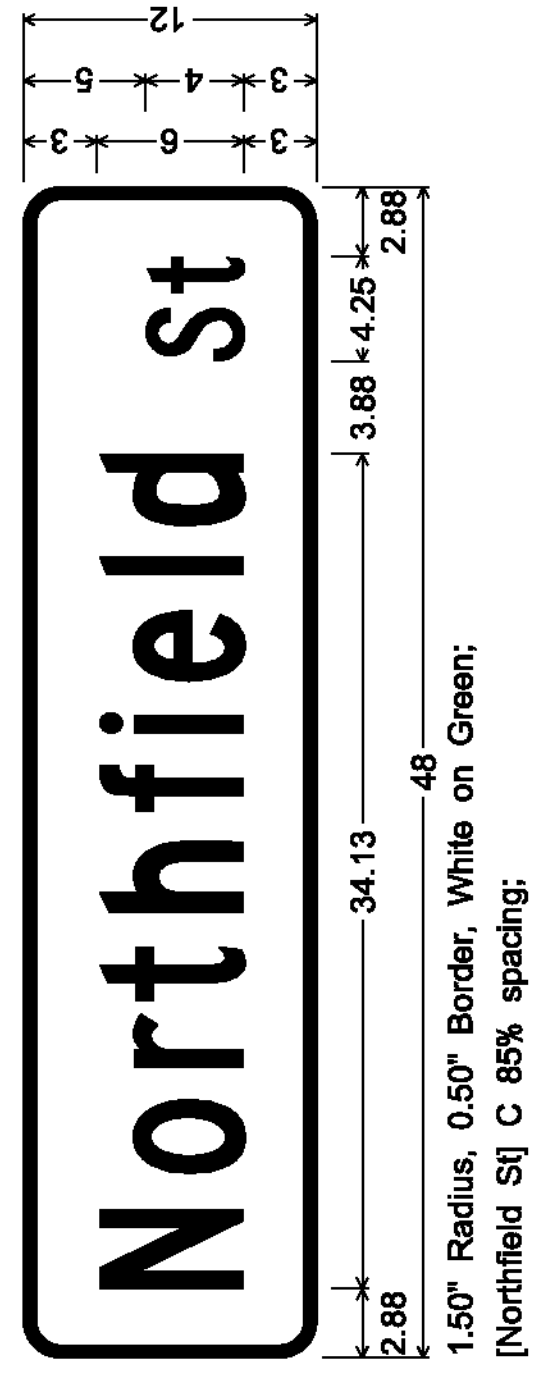
**D3-1**



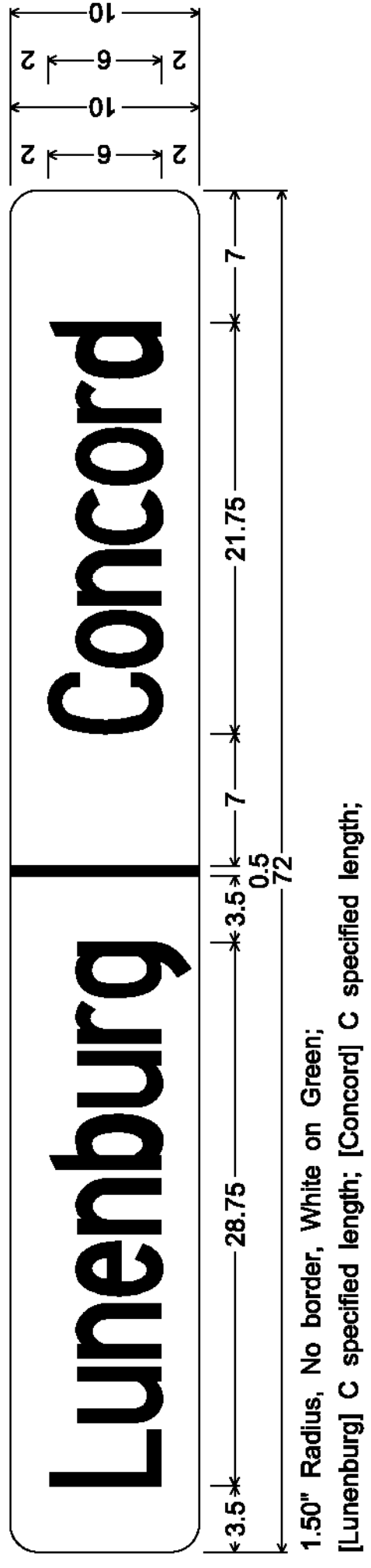
1.50" Radius, 0.50" Border, White on Green;  
[Leighton Hill Rd] C 90% spacing;

**D3-1**

NOTE:  
D SIGNS WILL HAVE NAMES PRINTED ON BOTH SIDES OF SIGN



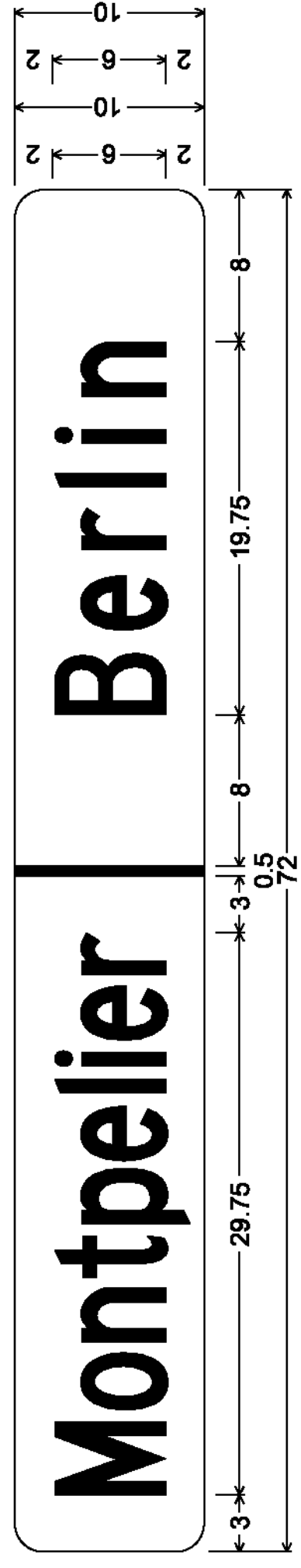
NOTE:  
D SIGNS WILL HAVE NAMES PRINTED ON BOTH SIDES OF SIGN



1.50" Radius, No border, White on Green;  
[Lunenburg] C specified length; [Concord] C specified length;

**VD-024**

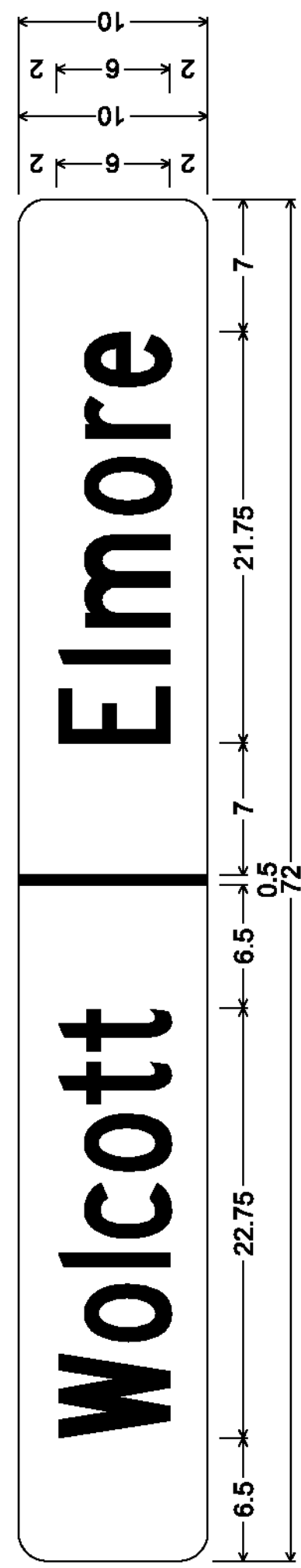
SEE SHEET II OF 50 FOR INSTALLATION INFORMATION



1.50" Radius, No border, White on Green;  
[Montpelier] C specified length; [Berlin] C specified length;

**VD-024**

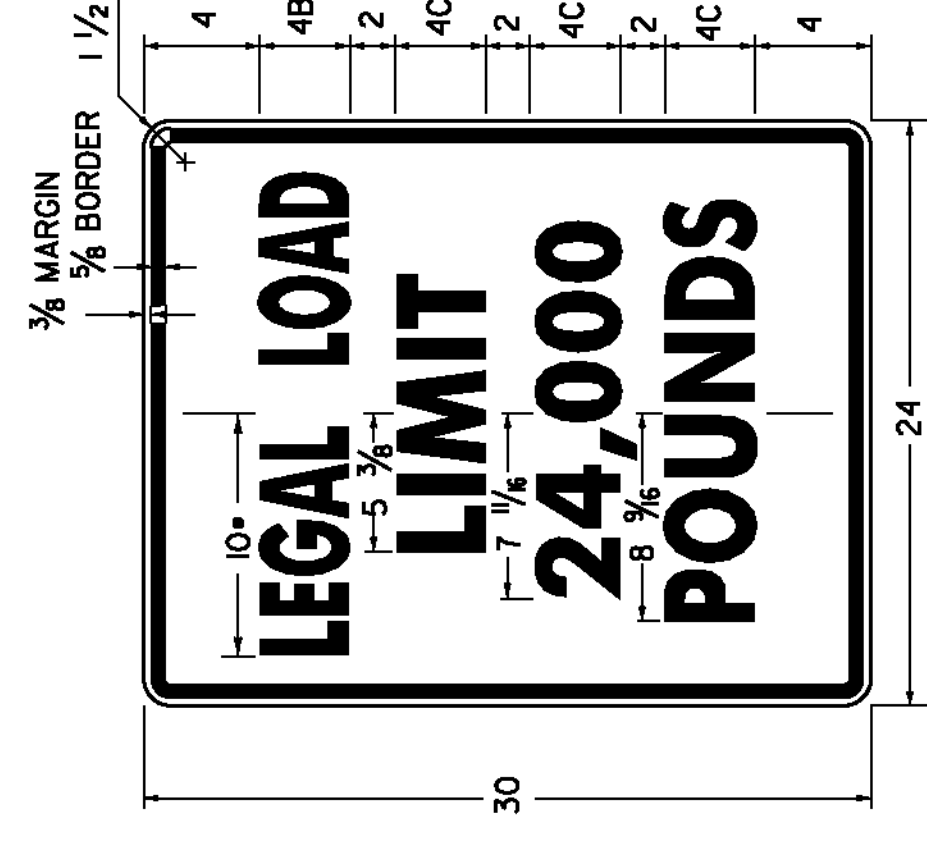
SEE SHEET II OF 50 FOR INSTALLATION INFORMATION



1.50" Radius, No border, White on Green;  
[Wolcott] C specified length; [Elmore] C specified length;

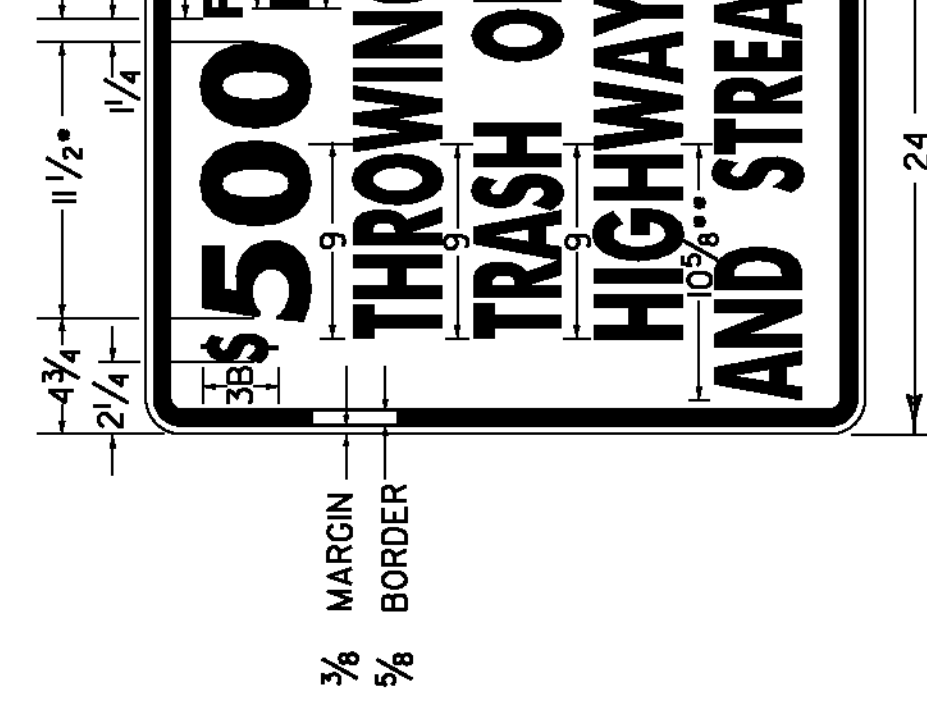
**VD-024**

SEE SHEET II OF 50 FOR INSTALLATION INFORMATION



\* REDUCE SPACING 50 %  
LINE 3 ALTERNATE - 16,000

**VR-017**



\* REDUCE SPACING 40 %  
\*\* REDUCE SPACING 60 %





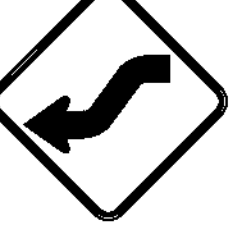

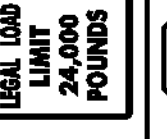



**VR-023**

NOTE:  
D SIGNS WILL HAVE NAMES PRINTED ON BOTH SIDES OF SIGN



STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# 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 O/D (in)		FOUNDATION		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE	1.75	2.00	2.50	1.75	2.00		2.50	1.75
WB	MM 0.405 LT	F	W13-1P	18	18			2.25															
EB	MM 0.427 RT - MM 0.431 RT	A					REMOVE THREE GRANITE POSTS						X										
EB	MM 0.451 RT	A	W1-4L	30	30			6.25							1		15						
EB	MM 0.460 RT - MM 0.528 RT	A B		6 6	8 8		(14) TYPE 11 - 6"X 8" WHITE DELINEATORS																
WB	MM 0.506 LT	F	VW-054	30	30			6.25					X				15						
EB	MM 0.528 LT	F	TOWN SIGN	30	30																		
EB	MM 0.584 LT	F	W1-4	30	30			6.25							1		15						
WB	MM 0.663 LT	F	R2-1	24	30			5.00							1		15						
WB	MM 0.663 LT	F	VR-017	24	30			5.00															
EB	MM 0.673 RT	A	R1-1	30	30			6.25									15						
EB	MM 0.673 RT	A B	D3-1	48	12			4.00							2		30						
EB	MM 0.675 RT	C D	D3-1	48	12			4.00							2		30						
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".																							
								SF 45.25	SF	EA 3	EA 3	EA 3	EA 3	EA 4	EA 4	EA 9	EA 135	EA 135	EA 135	EA 135	EA 9	EA 9	









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)			FOUNDATION			TUBULAR O/Ir								
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	R E T A I N	R E M O V E	1.75	2.00	2.50	1.75	2.00	2.50	1.75	2.00	2.50	3.00	3.50	4.00	1b/ft	1c		
WB	MM 1.711 LT	F	W11-8	30	30			6.25		X			X	1				1.75	2.00	2.50											
WB	MM 1.725 LT	H	R1-1	30	30			6.25		X			X	1				1.75	2.00	2.50											
WB	MM 1.725 LT	F E	D3-1	60	12			5.00		X			X	2				1.88	2.42	3.35											
WB	MM 1.730 LT	G	W14-1	30	30					X			X																		
WB	MM 1.745 LT	H	R1-1	30	30			6.25						1																	
WB	MM 1.745 LT	F E	D3-1	30	12			2.50		X			X																		
WB	MM 1.761 LT	F	W1-1MGL	36	36			6.25						2																	
WB	MM 1.761 LT	F	W16-8P	40	8			2.22																							
WB	MM 1.889 LT	F E	D3-1	36	8					X			X																		
WB	MM 1.889 LT	H G	D3-1	36	12			3.00		X			X	1																	
EB	MM 1.900 RT	A	S1-1	36	36	FYG		9.00		X			X	2																	
EB	MM 1.900 RT	A	S4-3P	24	8	FYG		1.33																							
WB	MM 1.936 LT	F E	D3-1	60	12			5.00		X			X	2																	
WB	MM 1.936 LT	H	R1-1	30	30			6.25		X			X	1																	
								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
								59.30	10	10	9	9	13	13	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195	195

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".



DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL OR UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS		EXISTING SIGNS		NO. OF NEW POSTS	SQUARE STEEL			TUBULAR STEEL					SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL		
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM		SALVAGE TO	REMOVE	REMOVE	REMOVE	1.75	2.00	2.50	3.00			3.50	4.00	5.00
WB	MM 2.918 LT	H	R1-1	30	30			6.25			X	1	15									REPLACE EXISTING STOP SIGN AND POST LOCATED 21' WEST OF POLE # 17	X		
WB	MM 2.922 LT	G	VR-017	24	30						X											REMOVE EXISTING LEGAL LOAD LIMIT SIGN AND POST LOCATED ADJACENT TO POLE # 17			
WB	MM 2.996 LT	H	R1-1	30	30			6.25			X	1	15									REPLACE EXISTING STOP SIGN AND POST LOCATED 48' WEST OF POLE # 8/63	X		
WB	MM 2.998 LT	G	VR-017	24	30						X											REMOVE EXISTING LEGAL LOAD LIMIT SIGN AND POST LOCATED 37' WEST OF POLE # 8/63			
EB	MM 3.611 RT	A	R2-5C	24	30						X											REMOVE EXISTING SPEED ZONE AHEAD SIGN AND POST LOCATED ACROSS FROM POLE # 76			
EB	MM 3.676 RT	A	W3-5	36	36			9.00				2	30									INSTALL A NEW 35 MPH AHEAD SIGN ON TWO NEW POSTS LOCATED 37' WEST OF AND ACROSS FROM POLE # 132	X		
EB	MM 3.806 RT	A	R2-1	24	30			5.00			X	1	15									REPLACE EXISTING SPEED LIMIT SIGN AND POST LOCATED 5' WEST OF AND ACROSS FROM POLE # 6/128	X		
WB	MM 3.806 LT	F	R2-1	24	30			5.00				1	15									INSTALL NEW SPEED LIMIT SIGN AND POST LOCATED 5' WEST OF AND ACROSS FROM POLE # 6/128	X		
WB	MM 3.809 LT	F	R2-1	24	30						X											REMOVE EXISTING SPEED LIMIT SIGN AND POST LOCATED 11' EAST OF POLE # 6/128			
EB	MM 3.985 RT	A	W1-2L	30	30			6.25				1	15									INSTALL NEW CURVE LEFT SIGN AND POST LOCATED 143' WEST OF AND ACROSS FROM POLE # NET/122/12 (MM 4.012)	X		
EB	MM 4.005 RT - MM 4.073 RT	A B		6	8		(14) TYPE 11 6"X 8" WHITE DELINEATORS															INSTALL NEW DELINEATORS (14) BACK-TO-BACK 60 FT APART ON 7 POSTS. INSTALL FIRST 37' WEST OF AND ACROSS FROM POLE # NET/122/12 (MM 4.012 LT)	4		
WB	MM 4.068 LT	F	D3-1	36	12			3.00			X	1	15									REPLACE EXISTING STREET NAME SIGN AND POST LOCATED 11' WEST OF AND ACROSS FROM POLE # NET/122/12 (MM 4.070 RT)		12	
WB	MM 4.100 LT	F	W1-2R	30	30			6.25				1	15									INSTALL NEW CURVE RIGHT SIGN AND POST LOCATED 42' WEST OF AND ACROSS FROM POLE # NET/115	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".



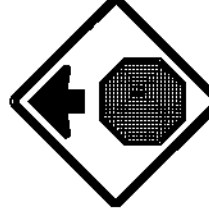
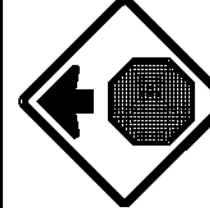





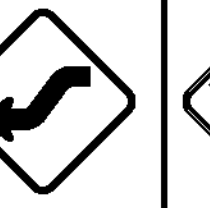
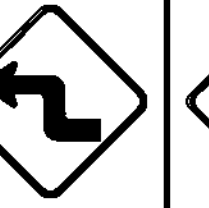
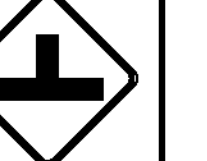
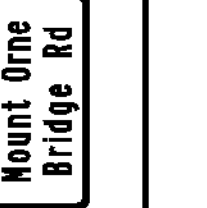
PROJECT NAME: STATEWIDE NORTHEAST REGION  
PROJECT NUMBER: STP HRRR(16)  
FILE NAME: lunenburg-traffic-signs/summary6.dgn  
PROJECT LEADER: J. DEVLIN  
DESIGNED BY: N. PATTIS  
LUNENBURG TRAFFIC SIGN SUMMARY SHEET 6

PLOT DATE: 12/30/2013  
DRAWN BY: N. PATTIS  
CHECKED BY: B. GROSE  
SHEET 23 OF 50

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 O/D (in)		FOUNDATION	
				WIDTH	HEIGHT			RETAIN	SALVAGE FROM	REMOVE	REPLACE	REMOVE	REPLACE	1.75	2.00	2.50	1.75	2.00	2.50	3.00		3.50
EB	MM 4.147 RT	A B	D3-1	48	12			4.00		X		X			2							
WB	MM 4.274 LT	F	VW-060	30	30			6.25		X		X			1							
EB	MM 4.304 RT	A	R2-1	24	30			5.00		X		X			1							
WB	MM 4.304 LT	F	R2-1	24	30			5.00		X		X			1							
EB	MM 4.408 RT	A	W1-2R	30	30			6.25		X		X			1							
WB	MM 4.486 LT	F	W1-2L	30	30			6.25							1							
EB	MM 4.742 RT	A	W1-10B	36	36			9.00							2							
EB	MM 4.742 RT	A	W16-8P	36	8			2.00														
WB	MM 4.762 LT	F	R2-1	24	30			5.00							1							
EB	MM 4.825 RT	A	R2-1	24	30			5.00							1							
WB	MM 4.825 LT	F	R1-1	36	36			9.00				X			2							
WB	MM 4.825 LT	F E	D3-1	60	12			5.00							2							
WB	MM 4.825 LT	H G	D3-1	36	12			3.00														
								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
								70.75	70.75	6	6	6	6	6	15	15	225	225	225	225	225	225

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".

# 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)		FOUNDATION			TUBULAR (In)				
			WIDTH	HEIGHT				"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	R	R	R	R	R	R	IB/FT	IB/FT	IB/FT	IB/FT	IB/FT	IB/FT		
EB	MM 4.864 RT	A	R2-1		24	30					X																
WB	MM 4.864 LT	F	R2-1		24	30					X																
WB	MM 4.892 LT	F	W3-1		36	36		9.00									2										
WB	MM 4.994 LT	F	W3-1		36	36					X									30							
WB	MM 5.042 LT	F	R2-5C		24	30					X																
EB	MM 5.995 RT	A	W1-3L		30	30					X																
EB	MM 5.995 RT	A	W1-4L		30	30		6.25																			
EB	MM 6.152 RT	A	W1-8L		18	24					X																
EB	MM 6.167 RT	A	W1-8L		18	24					X																
WB	MM 6.262 LT	F	W1-4L		30	30		6.25																			
WB	MM 6.392 LT	F	W1-3R		30	30					X																
EB	MM 6.742 RT	A	W2-2R		30	30		6.25																			
EB	MM 6.742 RT	A	W16-8P		36	15		3.75																			

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".

# 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 O.D. (in)		FOUNDATION				
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	REF. A	REF. B	REMOVE	1.75	2.00	2.50	1.75		2.00	2.50	3.00	3.50
WB	MM 6.780 LT	F	R2-1	24	30			5.00							1		1.75	2.00	2.50	3.00	3.50				
WB	MM 6.820 LT	G	W1-7	48	24			8.00							2		1.75	2.00	2.50	3.00	3.50				
EB	MM 6.850 RT	A	R2-1	24	30			5.00							1		1.75	2.00	2.50	3.00	3.50				
EB	MM 6.890 RT	A	W3-1	30	30			6.25							1		1.75	2.00	2.50	3.00	3.50				
WB	MM 6.890 LT	F	W2-2L	30	30			6.25							1		1.75	2.00	2.50	3.00	3.50				
WB	MM 6.890 LT	A	W16-8P	36	15		Mount Orne Bridge Rd	3.75																	
WB	MM 7.078 LT	F	R2-1	24	30			5.00			X				1		1.75	2.00	2.50	3.00	3.50				
WB	MM 7.100 LT	H	R1-1	30	30			6.25			X				1		1.75	2.00	2.50	3.00	3.50				
							MOUNT ORNE BRIDGE ROAD																		
SB	MM 0.012 LT	F	R1-1	30	30			6.25							1		1.75	2.00	2.50	3.00	3.50				
SB	MM 0.012 LT	H G	D3-1	66	12		Mt Orne Bridge Rd	5.50							2		1.75	2.00	2.50	3.00	3.50				
NB	MM 0.017 RT	A	W5-3	36	36			9.00							2		1.75	2.00	2.50	3.00	3.50				
NB	MM 0.017 RT	A	W12-2	36	36			9.00							2		1.75	2.00	2.50	3.00	3.50				
								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
								75.25	2	2	2	2	2	2	2	13	195	195	195	195	195	195	195	195	195

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".











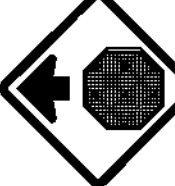









# TRAFFIC SIGN SUMMARY SHEET

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 O.D./I.D.		FOUNDATION	
				WIDTH	HEIGHT			RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	R E T A I N	R E M O V E	1.75		2.00	2.50	3.00	3.50		4
							SUBTOTAL TSS SHEET 1	59.66			5	5	11			1.88	2.42	3.35			
							SUBTOTAL TSS SHEET 2	46.13			6	4	7								
								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
								105.79	11	11	9	9	18	270	270						

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".

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 O/In		FOUNDATION			
			WIDTH	HEIGHT	"A"	"B"			RETAIN	SALVAGE FROM	REMOVE	RETAIN	SALVAGE TO	REMOVE	1.75	2.00	2.50	1.75	2.00	2.50	3.00		3.50	4	
NB	MM 0.005 RT	A B	D3-1		66	12			5.50		X			X			2								
NB	MM 0.005 RT	C D	D3-1		60	12			5.00		X			X			2								
NB	MM 0.010 RT	B	R1-1		30	30			6.25							1			1.88	2.42	3.35				
SB	MM 0.010 LT	F	R1-1		30	30			6.25							1			1.88	2.42	3.35				
SB	MM 0.022 LT	F	R1-1		30	30								X											
NB	MM 0.038 RT	A	R2-1		24	30			5.00							1									
SB	MM 0.082 LT	F	W3-1		30	30			6.25							1									
NB	MM 0.499 RT	A	W1-1R		30	30			6.25							1									
NB	MM 0.499 RT	A	W13-1P		18	18			2.25																
SB	MM 0.530 LT - MM 0.632 LT	F E	DELS		6 6	8 8		(10) TYPE 11 - 6'X 8" WHITE DELINEATORS																	
SB	MM 0.643 LT	F	W1-1L		30	30			6.25							1									
SB	MM 0.643 LT	F	W13-1P		18	18			2.25																
NB	MM 1.119 RT	A	VW-054		30	30								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".																									
								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA		
								51.25	4	4	4	4	4	4	4	4	4	10	150	150	150	150	9.00	9.00	

# 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		SQUARE STEEL (in)			FOUNDATION			TUBULAR O/Ir				
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	REMOVE	REPLACE	REMOVE	NO. OF NEW POSTS	1.75	2.00	2.50	1.75	2.00	2.50	3.00	3.50	4.00	1b/ft
NB	MM 1.136 RT	A	VW-054	30	30			6.25																	
NB	MM 1.286 RT	A	W1-1R	30	30			6.25																	
NB	MM 1.286 RT	A	W13-1P	18	18			2.25																	
SB	MM 1.330 LT	E F	W1-8	18	24			6.00																	
SB	MM 1.345 LT	E F	W1-8	18	24			6.00																	
SB	MM 1.360 LT	E F	W1-8	18	24			6.00																	
SB	MM 1.369 LT	F	W1-1L	30	30			6.25																	
SB	MM 1.369 LT	F	W13-1P	18	18			2.25																	
SB	MM 1.396 LT	F	VW-060	30	30			6.25																	
NB	MM 1.426 RT	A	W1-1MGL	36	36			9.00																	
NB	MM 1.426 RT	A	W16-8P	36	8			2.00																	
NB	MM 1.426 RT	A	W13-1P	18	18			2.25																	
NB	MM 1.450 RT	A	W1-6R	48	24			8.00																	
								SF	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
								68.75																	
<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>																									





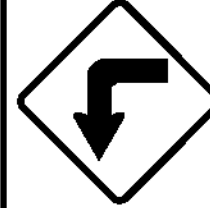
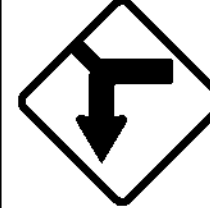
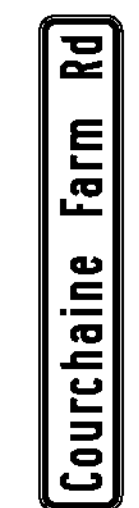

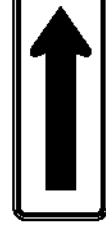

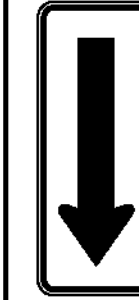
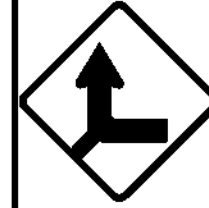
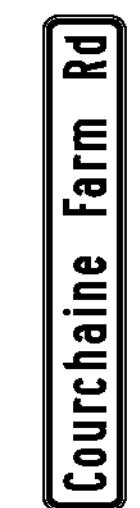











DIRECTION	MILEMARKER, STATION, OR SIGN NUMBER	LOCATION	MANUAL ON UNIFORM TRAFFIC DEVICES OR STATE CODE	SIGN DIMENSIONS		SHEETING REMARKS	SIGN LEGEND	NEW SIGNS			EXISTING SIGNS			EXISTING POST			SQUARE STEEL (In)			TUBULAR				
				WIDTH	HEIGHT			"A"	"B"	RETAIN	SALVAGE FROM	REMOVE	REPLACE	NO. OF NEW POSTS	IB/FT			IB/FT						
															1.75	2.00	2.50	1.75	2.00	2.50	3.00	3.50	4.00	
NB	MM 1.688 RT	A	R2-1	24	30																			
NB	MM 1.688 RT - MM 1.756 RT	A B		6	8		(7) TYPE 11.6"X8" WHITE DELINEATORS																	
NB	MM 1.838 RT	A	TOWN SIGN	30	30						X													
NB	MM 1.860 RT	A	W1-1L	30	30						X													
NB	MM 1.895 RT	A	W1-1Md	36	36			9.00							2									
NB	MM 1.895 RT	A	W16-8P	48	8			2.66																
NB	MM 1.895 RT	A	W13-1P	18	18			2.25																
NB	MM 1.955 RT	B	W1-6R	48	24			8.00							2									
NB	MM 1.959 RT	A B	D3-1	72	12			6.00							2									
NB	MM 1.966 RT	A	W1-6R	48	24			8.00							2									
SB	MM 2.000 LT	F	W1-1Md	36	36			9.00							2									
SB	MM 2.000 LT	F	W16-8P	36	8			2.66																
SB	MM 2.000 LT	F	W13-1P	18	18			2.25																
SB	MM 2.120 LT - MM 2.165 LT	F E		6	8		(5) TYPE 11.6"X8" WHITE DELINEATORS																	
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".								SF 49.82	SF	EA 3	EA 3	EA 3	EA 3	EA 10	FT 150	FT 150	FT 150	EA	EA	EA	EA	EA	EA	EA

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		SQUARE STEEL (in)		TUBULAR O/Ir		FOUNDATION	
				WIDTH	HEIGHT			RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	R E T A I N	R E M O V E	1.75	2.00	2.50	3.00	3.50		4
								"A"	"B"	RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	NO. OF NEW POSTS	1.88	2.42	3.35	7.60	9.00	IC
NB	MM 2.220 RT	A	R2-1	24	30			5.00						1						
SB	MM 2.220 LT	F	R2-1	24	30			5.00		X			X	1						
NB	MM 2.272 RT	A	R2-1	24	30					X			X							
NB	MM 2.272 RT	A	W1-2L	30	30			6.25						1						
SB	MM 2.363 LT	F	W1-2R	30	30			6.25						1						
NB	MM 2.827 RT	A	R2-1	24	30					X			X							
NB	MM 2.843 RT	A	R2-1	24	30			5.00						1						
SB	MM 2.843 LT	F	R2-1	24	30			5.00		X			X	1						
NB	MM 3.007 RT	A	VW-054A	30	30			6.25		X			X	1						
NB	MM 3.007 RT	A		30	30					X			X							
NB	MM 3.007 RT	A	W1-2R	30	30			6.25												
SB	MM 3.054 LT	E F	W1-8R W1-8L	18 18	24 24			3.00 3.00						1						
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDE".																				
								SF 51.00	SF	EA 6	EA 6	EA 6	EA 6	EA 5	EA 5	EA 8	EA 8	EA 120	EA 120	EA 120

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 REMOVALS			SQUARE STEEL (in)			TUBULAR O.D./in				
				WIDTH	HEIGHT				RETAIN	SALVAGE TO	REMOVE	REPLACE	REPLACE	1.75	2.00	2.50	1.75	2.00	2.50	3.00	3.50	4.00
SB	MM 3.066 LT	E	W1-8R	18	24			3.00							15							
		F	W1-8L	18	24			3.00														
SB	MM 3.087 LT	E	W1-8R	18	24			3.00							15							
		F	W1-8L	18	24			3.00														
SB	MM 3.119 LT	F	W1-2R	30	30			6.25							15							
NB	MM 3.290 RT	A	M2-1	21	15			2.19							15							
NB	MM 3.290 RT	A	M1-5	24	24			4.00														
NB	MM 3.339 RT	A	W3-1	30	30			6.25							15							
SB	MM 3.374 LT	F	R2-1	24	30					X												
SB	MM 3.383 LT	F	VR-017	24	30			5.00														
SB	MM 3.383 LT	F	R2-1	24	30			5.00														
SB	MM 3.392 LT	F	VR-017	24	30					X												
NB	MM 3.402 RT	A	R1-1	30	30			6.25		X					15							
SB	MM 3.402 LT	G H	D3-1	54	12			4.50		X					30							
							GULF ROAD															
NB	MM 3.410 RT	C D	D3-1	30	12			2.50		X					15							
									EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
									5	5	5	5	5	5	5	5	5	5	5	5	5	5
								SF														
								53.94														

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".









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 REMOVE		SQUARE STEEL (in)			TUBULAR			
				WIDTH	HEIGHT			RETAIN	SALVAGE FROM	SALVAGE TO	REMOVE	RETAIN	REMOVE	NO. OF NEW POSTS	1.75	2.00	2.50	3.00	3.50	4.00	
								"A"	"B"	2	7	2	8								
							BERLIN TSSS SUBTOTAL	84.25													
							LUNENBURG TSSS SUBTOTAL	474.10		1	1	61	57								
							NEWARK TSSS SUBTOTAL	105.79				11	9								
							NEWBURY TSSS SUBTOTAL	294.00		1		14	14								
							WOLCOTT TSSS SUBTOTAL	377.51		1		38	37								

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 4  
EA 1  
EA 1  
EA 1  
EA 1  
EA 4  
EA 126

EA 137

EA 129

EA 255

FT 3825

FT

EA

EA

LB

LB

LB

LB

EA

EA

FT

3825

EA

EA

EA

EA

SF

1335.65

SF

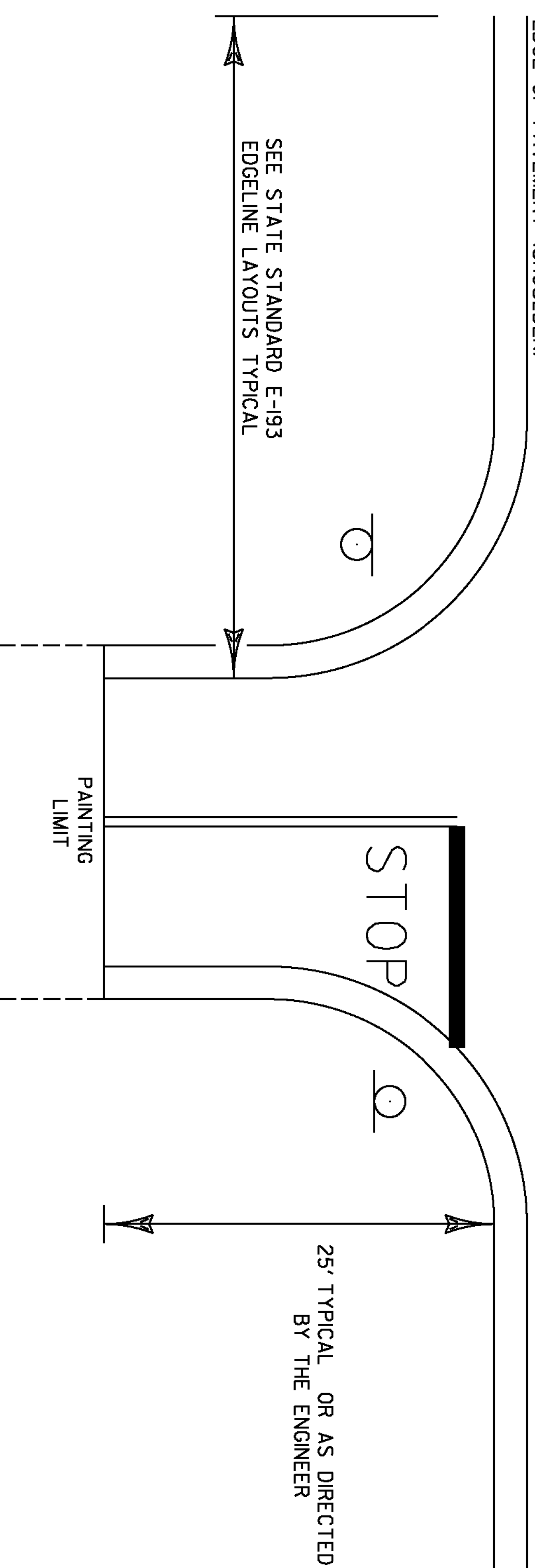
## TOWNSTATE HIGHWAY INVENTORY FOR PAVEMENT MARKINGS

\* 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	CONSTRUCTION REGION	ROAD NAME	ML STATION (MM)	STOP BAR (MM)	YIELD BAR (MM)	"STOP" TEXT (MM)	"STOP AHEAD" TEXT (MM)	RAILROAD XING (MM)	SCHOOL (MM)	CENTERLINE (FT AT MM)	EDGE LINE (FT AT MM)	COMMENTS
TOWN	NE	DOG RIVER ROAD	-	-	-	-	-	-	-	-	-	-
BERLIN	NE	RIVER ROAD	-	-	-	-	-	-	MM 1,900 RT MM 2,038 LT	-	-	-
LUNENBURG	NE	RIVER ROAD	-	-	-	-	-	-	MM 1,900 RT MM 2,038 LT	-	-	EXTEND 200' OF DOUBLE YELLOW CENTERLINE IN BOTH DIRECTIONS ON RIVER ROAD AND ALSO 200' ON S LUNENBURG RD
	NE	MT ORNE BRIDGE ROAD	-	MM 4,825 LT	-	MM 4,825 LT	-	-	-	200' IN 3 DIRECTIONS AT MM 4,825 CT	59'-0" IN MIDDLE OF INTERSECTION	EXTEND 200' OF DOUBLE YELLOW CENTERLINE IN BOTH DIRECTIONS ON RIVER ROAD AND ALSO 200' ON S LUNENBURG RD
	NE	NEWARK STREET	-	MM 0,005 LT	-	MM 0,005 LT	-	-	MM 1,343 RT MM 1,568 LT	-	-	EXTEND 100' OF DOUBLE YELLOW CENTERLINE IN BOTH DIRECTIONS ON NEWARK ST AND ALSO 100' ALONG HOLLOW ROAD
	NE	HOLLOW ROAD	-	MM 0,010 LT	-	MM 0,010 LT	-	-	-	100' IN 3 DIRECTIONS AT MM 1,729 CT	-	EXTEND 100' OF DOUBLE YELLOW CENTERLINE IN BOTH DIRECTIONS ON NEWARK ST AND ALSO 100' ALONG HOLLOW ROAD
	NE	LEIGHTON HILL ROAD	-	-	-	-	-	-	-	-	-	-
	NE	ELMORE POND ROAD	-	-	-	-	-	-	-	-	-	-
	NE	GULF ROAD	-	-	-	-	-	-	-	-	-	-
<b>SUBTOTALS</b>	NE					<b>12 LETTERS</b>			<b>24 LETTERS</b>			
<b>TOTALS</b>	NE			<b>48 FT</b>			<b>LETTER TOTAL = 36</b>			<b>900 FT X 2 = 1800 FT</b>		

EDGE OF PAVEMENT (SHOULDER)



**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.

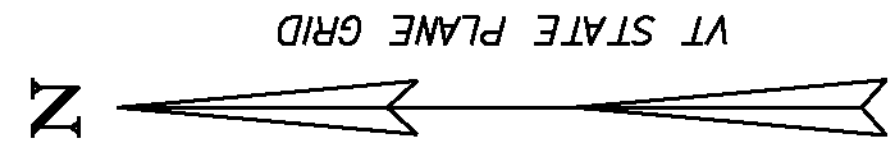
PROJECT NAME: STATEWIDE NORTHEAST REGION	PLOT DATE: 1/27/2014
PROJECT NUMBER: STP HRRR(16)	DRAWN BY: N. PATTIS
FILE NAME: govemnt\morkings.dgn	CHECKED BY: B. GROSE
PROJECT LEADER: J. DEVLIN	SHEET 48 OF 50
DESIGNED BY: N. PATTIS	
PAVEMENT MARKINGS SHEET	

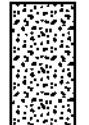
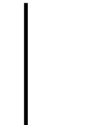

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

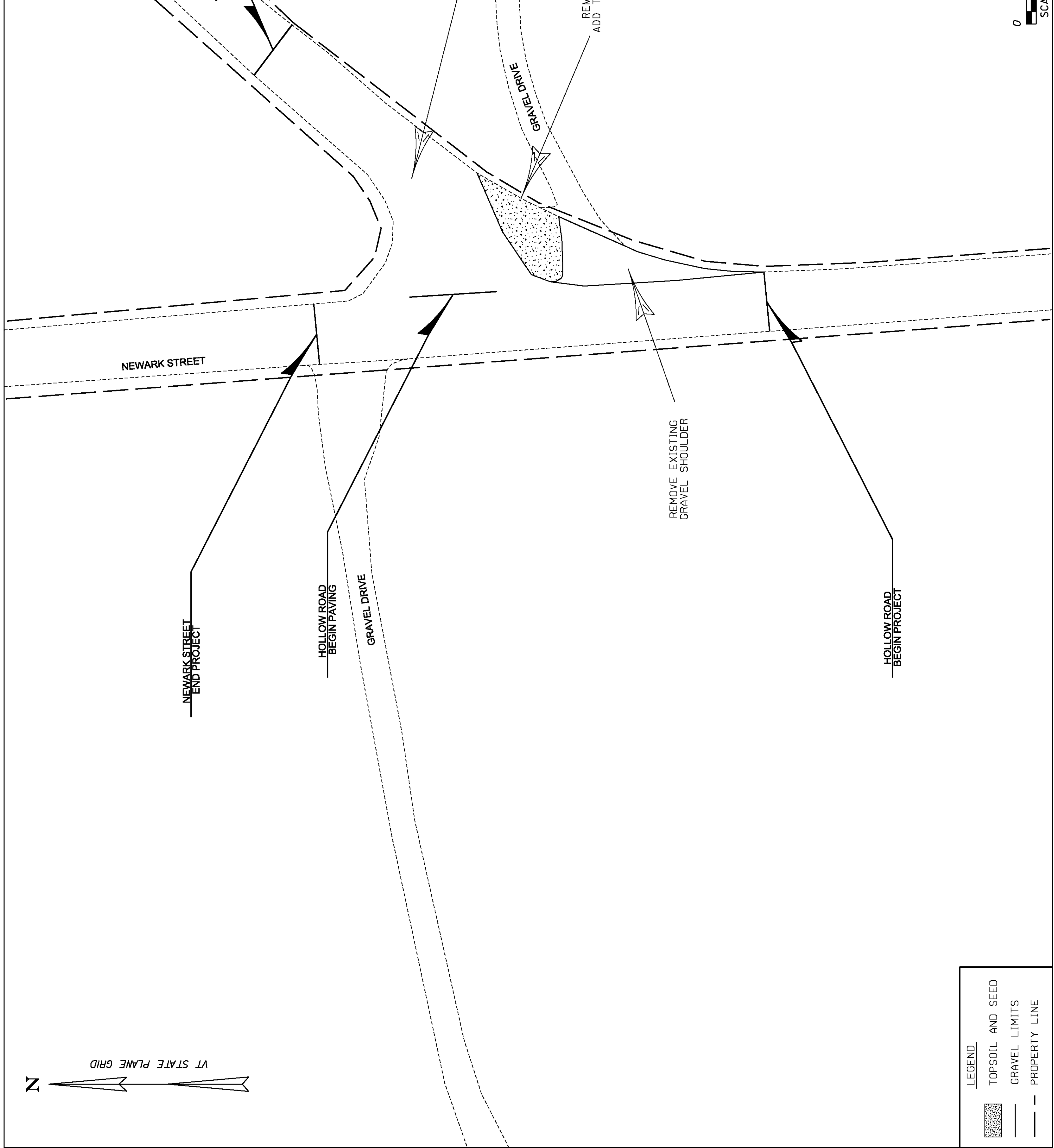
**ITEM DETAIL SUMMARY SHEET**

BEGIN STATION	END STATION	POS.	203.15	203.30	402.13	621.20	621.60	621.80	651.15	651.18	651.20	651.25	651.35	653.20	676.10	676.12	676.15	REMARKS
			COMMON EXCAVATION	EARTH BORROW	AGGREGATE SHOULDERS	STEEL BEAM GUARDRAIL GALVANIZED	ANCHOR FOR STEEL BEAM RAIL	REMOVAL AND DISPOSAL OF GUARDRAIL	SEED	FERTILIZER	AGRICULTURAL LIMESTONE	HAY MULCH	TOPSOIL	TEMPORARY EROSION MATTING	DEL INEATOR WITH STEEL POST	REMOVAL OF EXISTING DEL INEATOR	REMOVE AND REPLACE REFLECTOR UNIT	
DOG RIVER RD	MM 0.241	RT		50		539	2		1,236	5.150	0.0025	0.0206	5.5	50	9			
MM 0.139	MM 0.378	LT																
MM 0.460	MM 0.528	RT													7			
LUNENBURG RIVER RD																		
<del>MM 0.800</del>	<del>MM 0.824</del>	<del>LT</del>		<del>50</del>		<del>127</del>	<del>2</del>	<del>127</del>	<del>1,236</del>	<del>5.150</del>	<del>0.0025</del>	<del>0.0206</del>	<del>5.5</del>	<del>50</del>				<del>• DID NOT REMOVE EXISTING CABLE RAIL PER WO*3</del>
MM 0.675	MM 0.737	LT						327										
MM 0.948	MM 0.985	RT						195										
MM 0.970	MM 0.987	LT						90										
MM 0.987	MM 1.015	LT		50		148	2	148	1,236	5.150	0.0025	0.0206	5.5	50				<del>• TOWN HAD ALREADY REMOVED EXISTING GUARDRAIL WO*4</del>
MM 0.991	MM 1.039	RT		50		253	2	253	1,236	5.150	0.0025	0.0206	5.5	50				
MM 1.548	MM 1.590	RT		50		222	2	222	1,236	5.150	0.0025	0.0206	5.5	50				
MM 4.005	MM 4.073	RT													7			
LUNENBURG MT ORNE BRIDGE																		
NEWARK																		
NEWARK ST	MM 1.729	RT	78						1,937	8	0.004	0.032	8.68					SEE PAGE 50 OF 50 FOR DETAILS ON THIS PAVEMENT EARTH REMOVAL
NEWBURY																		
LEIGHTON HILL RD	MM 0.632	LT													10			
MM 0.530	MM 0.632	LT																
MM 0.278	MM 0.337	LT		50		312	1	312	0.618	2.575	0.00125	0.0103	2.75	25				ATTACH THE GUARD RAIL TO THE EXISTING GUARD RAIL AT MM 3.337 LT
MM 3.284	MM 3.356	RT		50		380	1	380	0.618	2.575	0.00125	0.0103	2.75	25				ATTACH THE GUARD RAIL TO THE EXISTING BRIDGE RAIL AT MM 3.356 RT
MM 3.344	MM 3.356	LT		50		63	1	63	0.618	2.575	0.00125	0.0103	2.75	25				ATTACH THE GUARD RAIL TO THE EXISTING BRIDGE RAIL AT MM 3.356 LT
MM 3.828	MM 3.844	RT		50		84	2	84	1,236	5.150	0.0025	0.0206	5.5	50				
MM 3.842	MM 3.849	LT		50		37	1	37	0.618	2.575	0.00125	0.0103	2.75	25				ATTACH THE NEW GUARD RAIL TO THE EXISTING GUARD RAIL AT MM 3.849 LT
MM 3.849	MM 3.856	LT		50		37	1	37	0.618	2.575	0.00125	0.0103	2.75	25				
WOLCOTT																		
ELMORE POND RD																		
MM 0.117	MM 0.150	RT													4			
MM 1.688	MM 1.756	RT													7			
MM 2.120	MM 2.165	LT													5			
MM 2.991	MM 3.093	LT		50		539	2	539	1,236	5.150	0.0025	0.0206	5.5	50				EXTENDED GUARDRAIL 179' PER TOWN REQUEST
WOLCOTT																		
GULF ROAD																		
MM 3.515	MM 3.550	RT													4			
MM 3.776	MM 3.786	RT		50		53	2	53	1,236	5.150	0.0025	0.0206	5.5	50				
MM 3.786	MM 3.797	LT		50		58	2	58	1,236	5.150	0.0025	0.0206	5.5	50				
MM 4.117	MM 4.160	RT													5			
MM 4.222	MM 4.255	LT													4			
MM 4.825	MM 4.843	LT		50		95	2	95	1,236	5.150	0.0025	0.0206	5.5	50				
MM 4.829	MM 4.850	RT		50		111	2	111	1,236	5.150	0.0025	0.0206	5.5	50				
TOTAL			78	800		3058	27	3094	18,70	77,60	0,0380	0,310	83	675	62			

<b>ITEM DETAIL SUMMARY SHEET</b>	PROJECT NAME: STATEWIDE NORTHEAST REGION	PLOT DATE: 12/30/2013
	PROJECT NUMBER: STP HRRR(16)	DRAWN BY: N. PATTIS
	FILE NAME: itemdetailsummary.dgn	CHECKED BY: B. GROSE
	PROJECT LEADER: J. DEVLIN	SHEET 49 OF 50
	DESIGNED BY: N. PATTIS	
	ITEM DETAIL SUMMARY SHEET	



LEGEND	
	TOPSOIL AND SEED
	GRAVEL LIMITS
	PROPERTY LINE



0 SCA

REMOVE EXISTING  
GRAVEL SHOULDER

HOLLOW ROAD  
BEGIN PAVING

NEWARK STREET  
END PROJECT

HOLLOW ROAD  
BEGIN PROJECT

GRAVEL DRIVE

GRAVEL DRIVE

REM  
ADD T

NEWARK STREET