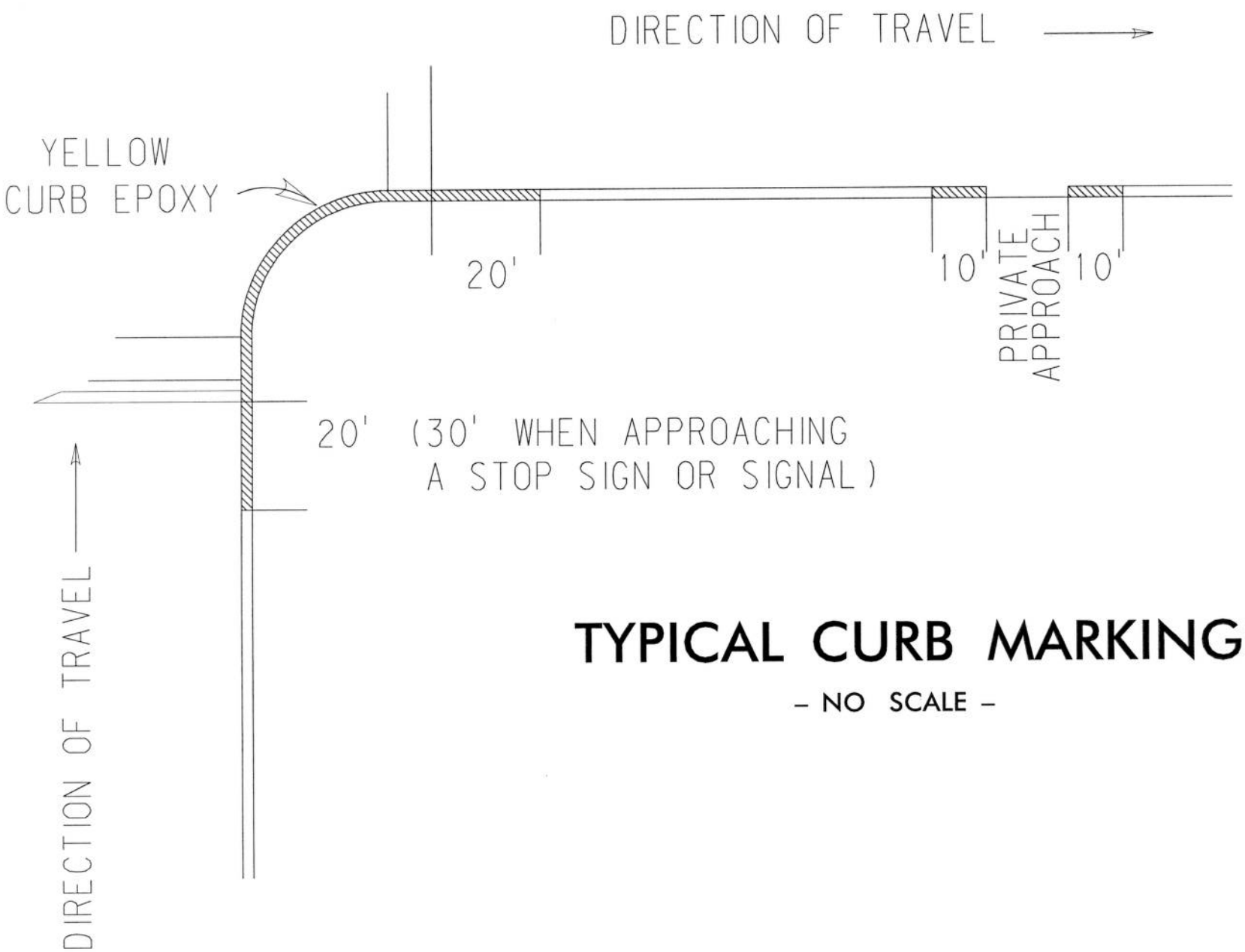
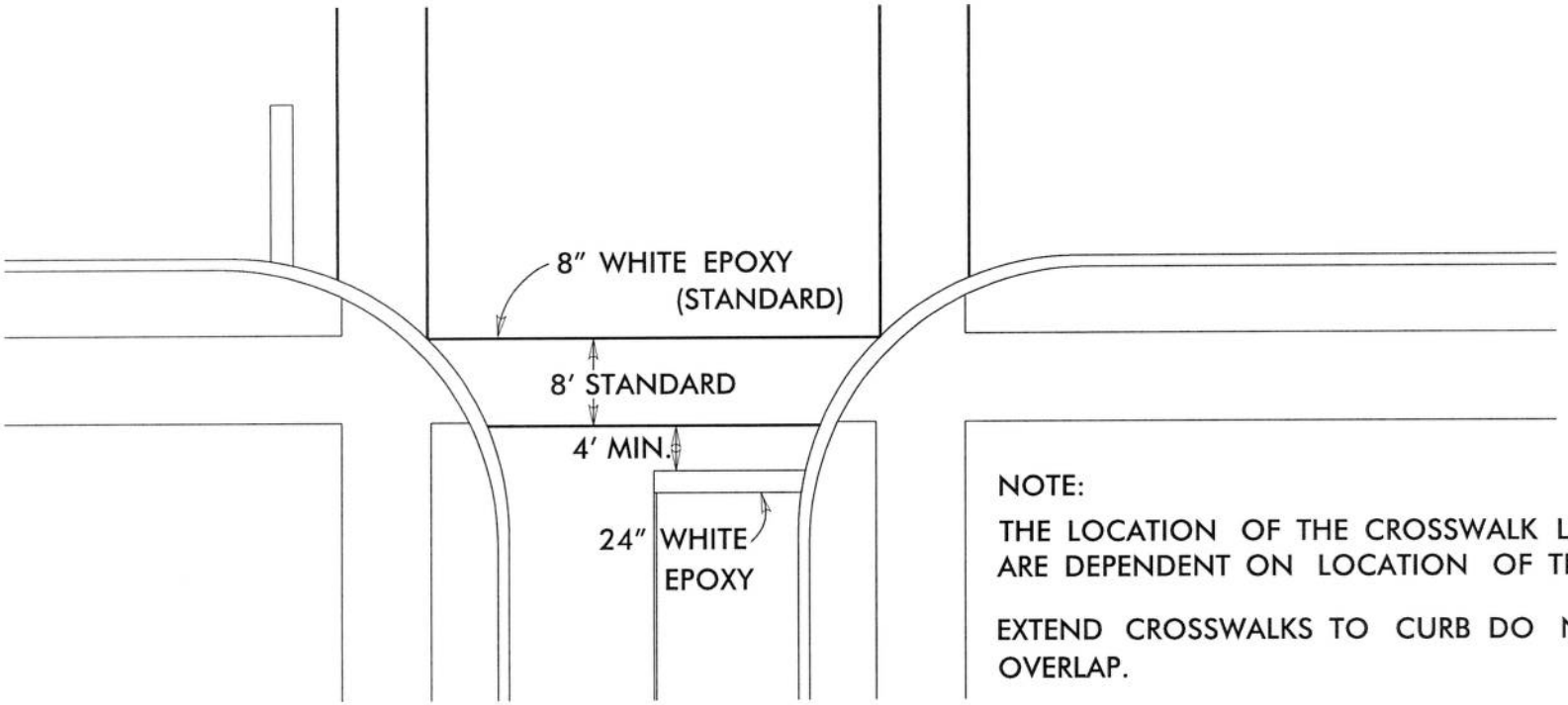


TYPICAL CURB MARKINGS

– NO SCALE –

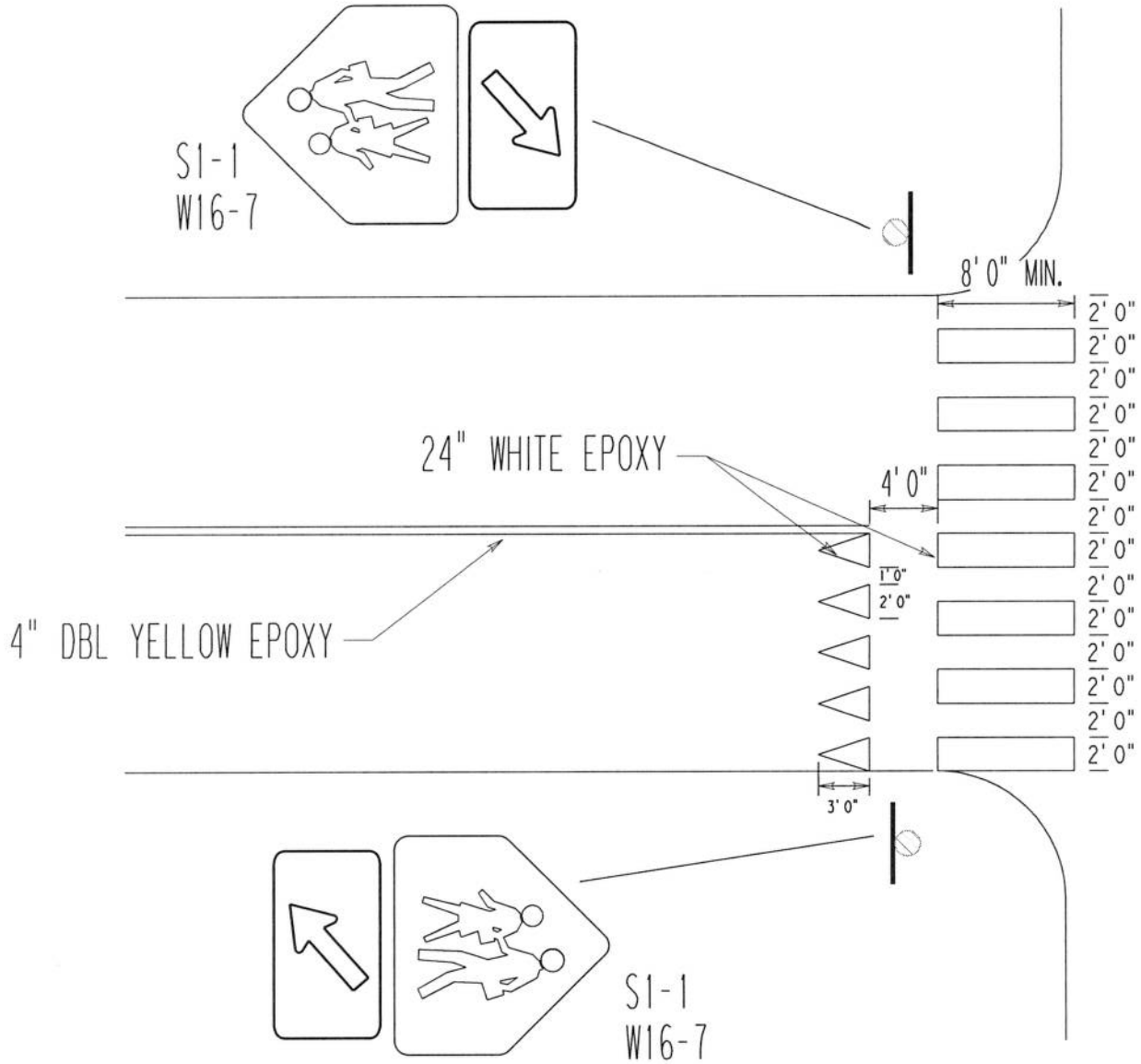


NOTE:

THE LOCATION OF THE CROSSWALK LINES ARE DEPENDENT ON LOCATION OF THE SIDEWALKS.

EXTEND CROSSWALKS TO CURB DO NOT OVERLAP.

TYPICAL PAVEMENT MARKINGS FOR PEDESTRIAN CROSSINGS



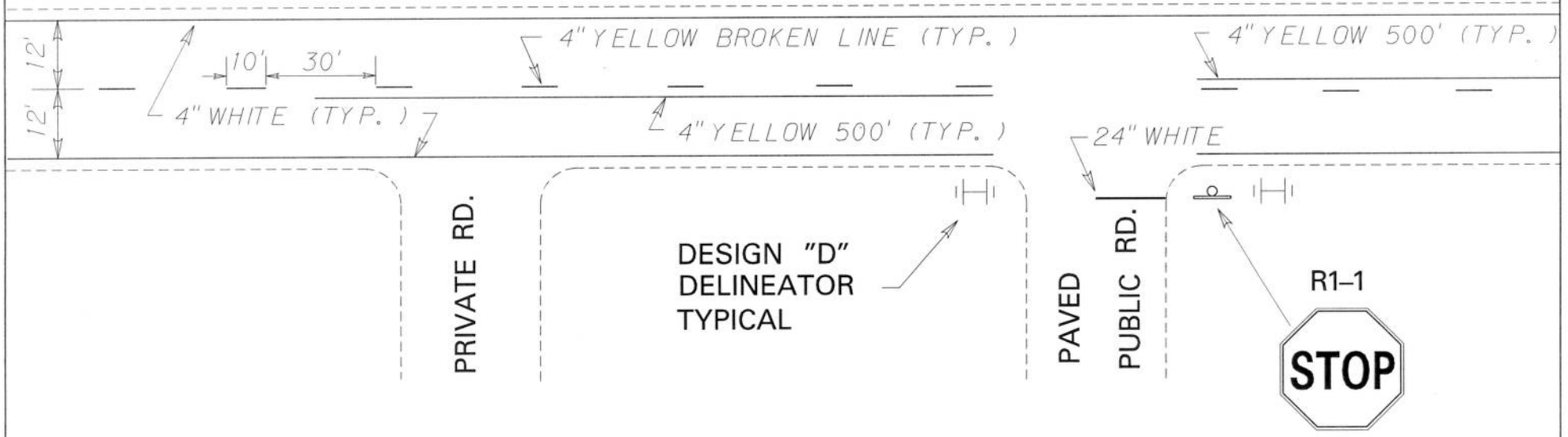
SCHOOL CROSSING

PAVEMENT MARKINGS

TYPICAL

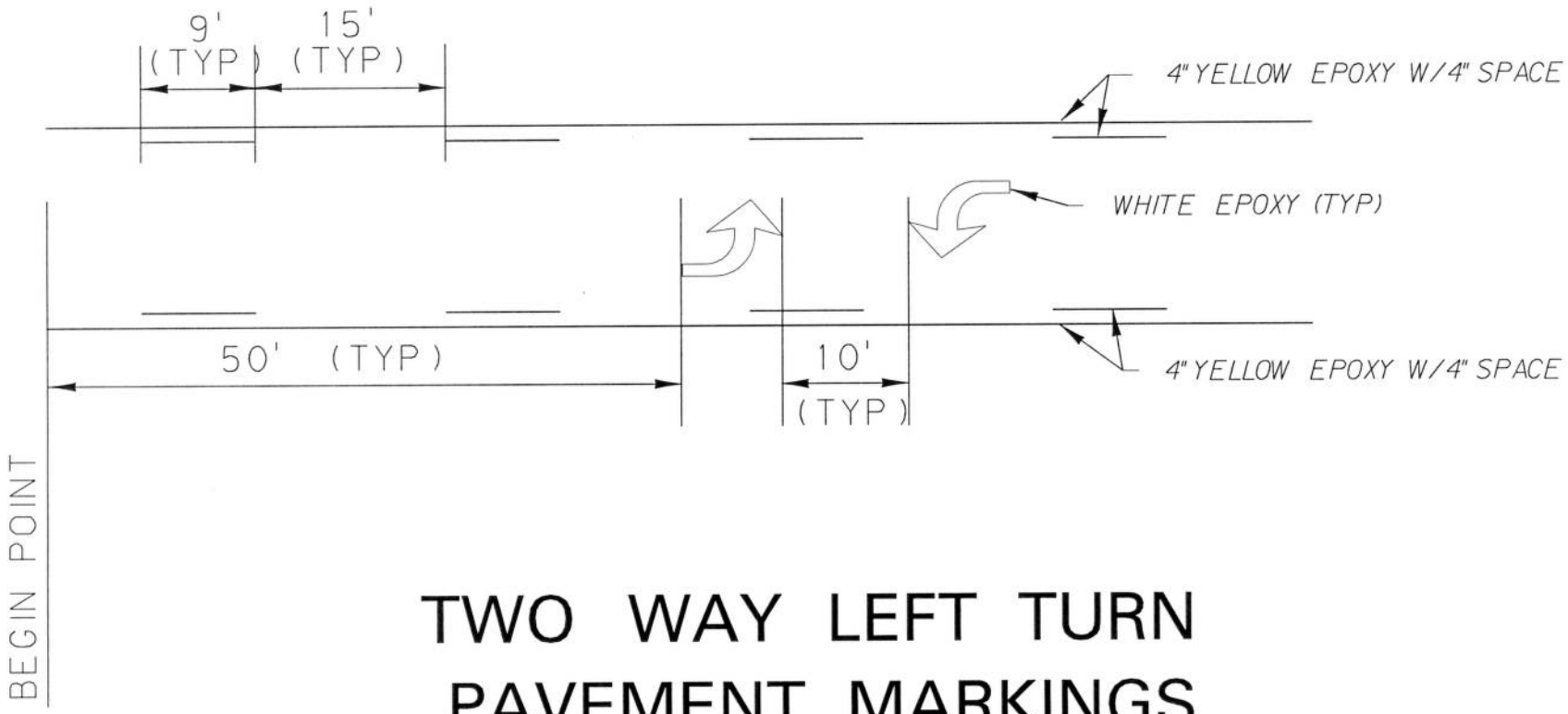
PAVEMENT MARKINGS

NO SCALE

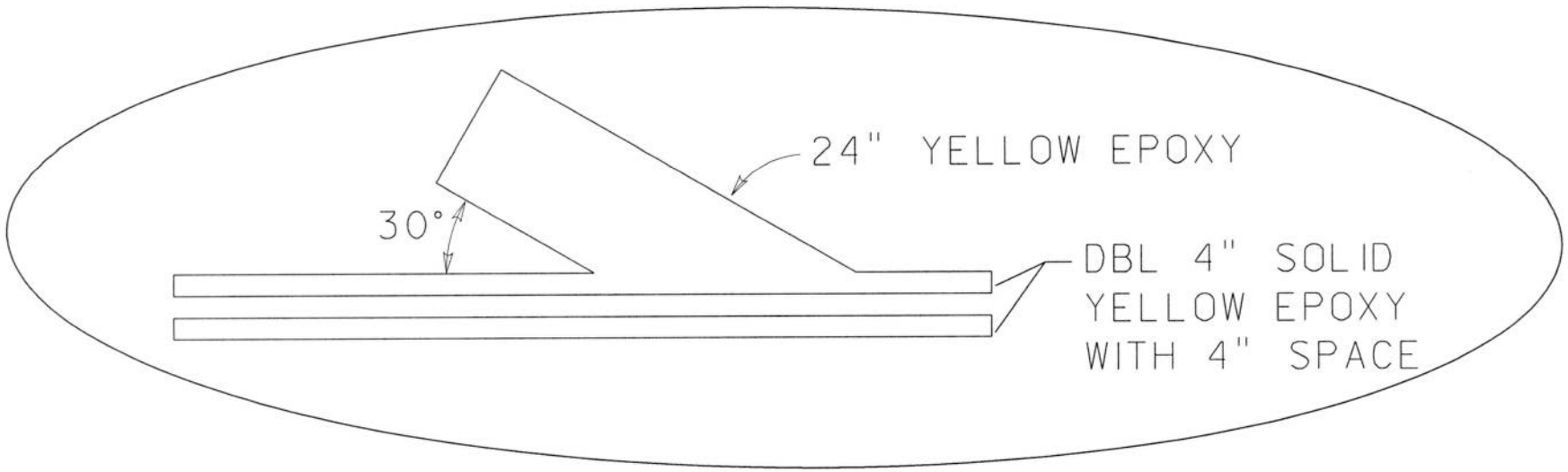


NOTE: FINAL CENTERLINE CONFIGURATION AND NO PASSING ZONES TO BE DETERMINED BY THE PROJECT MANAGER.

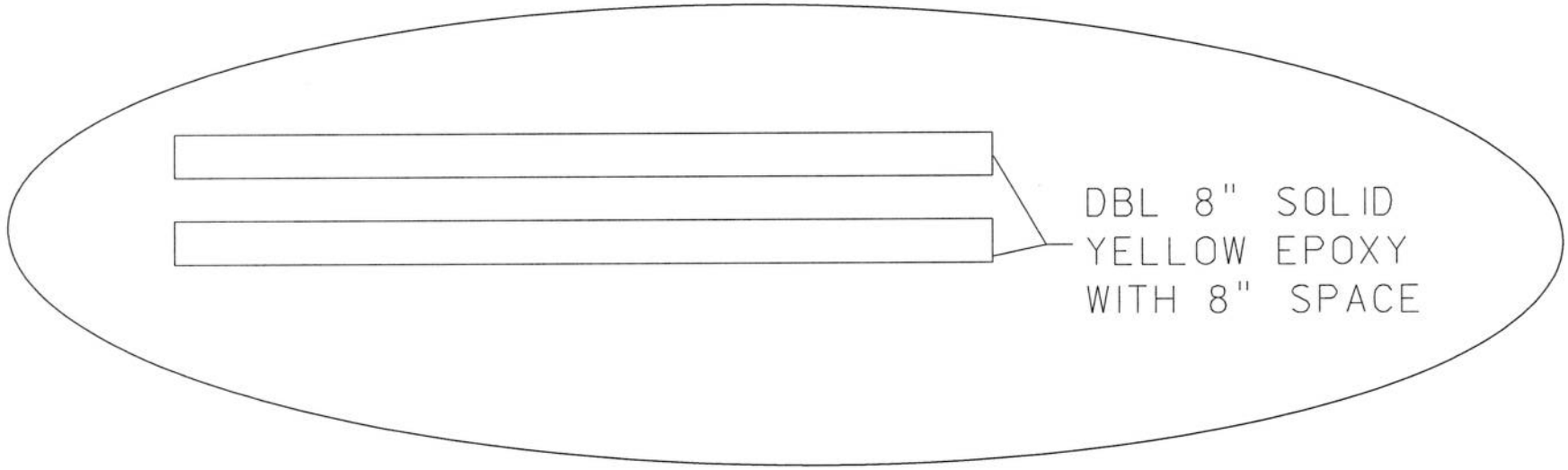
ALL PAVEMENT MARKINGS TO BE EPOXY UNLESS OTHERWISE SPECIFIED.



TWO WAY LEFT TURN PAVEMENT MARKINGS TYPICAL

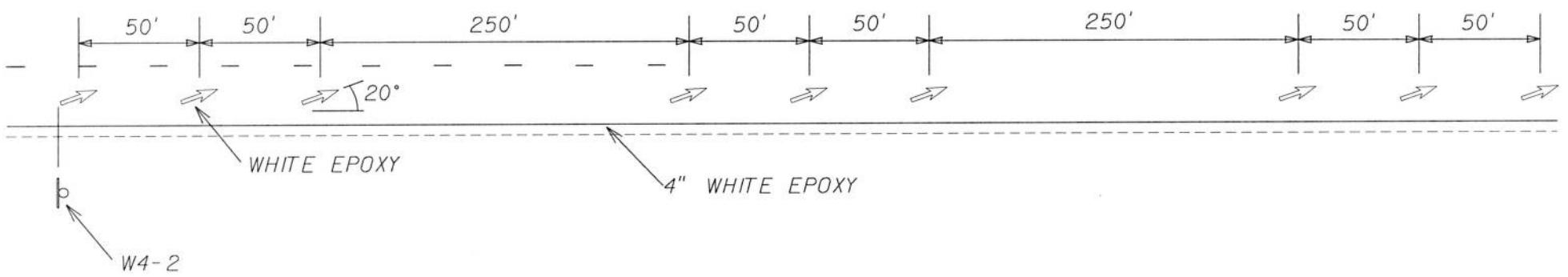


MEDIAN DETAIL



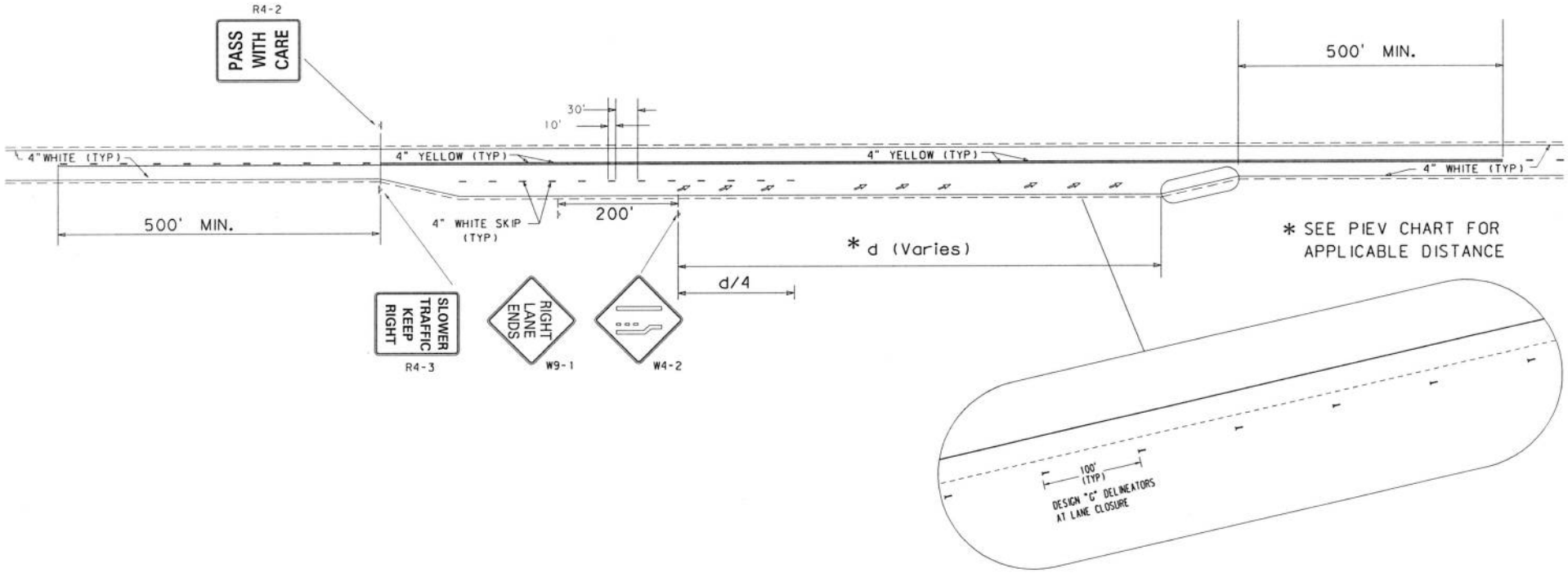
MERGE ARROWS (20 ^{o}) DETAIL

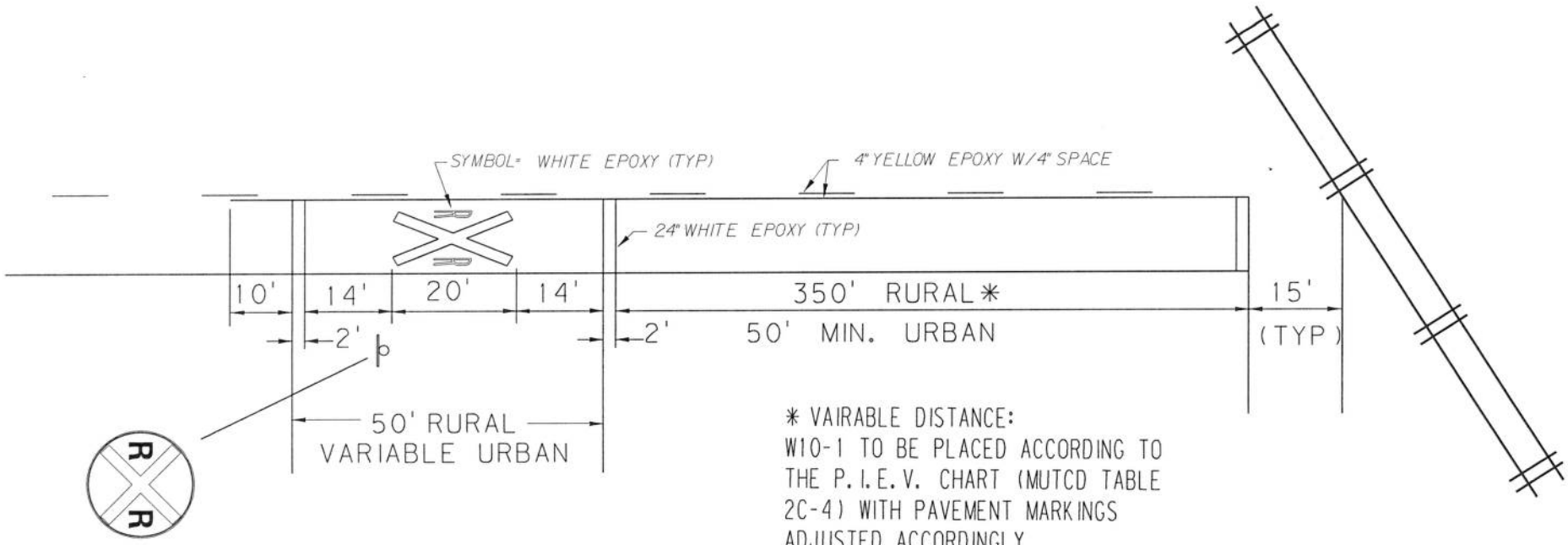
NO SCALE



TYPICAL
CLIMBING LANE
PAVEMENT MARKINGS

NOT TO SCALE



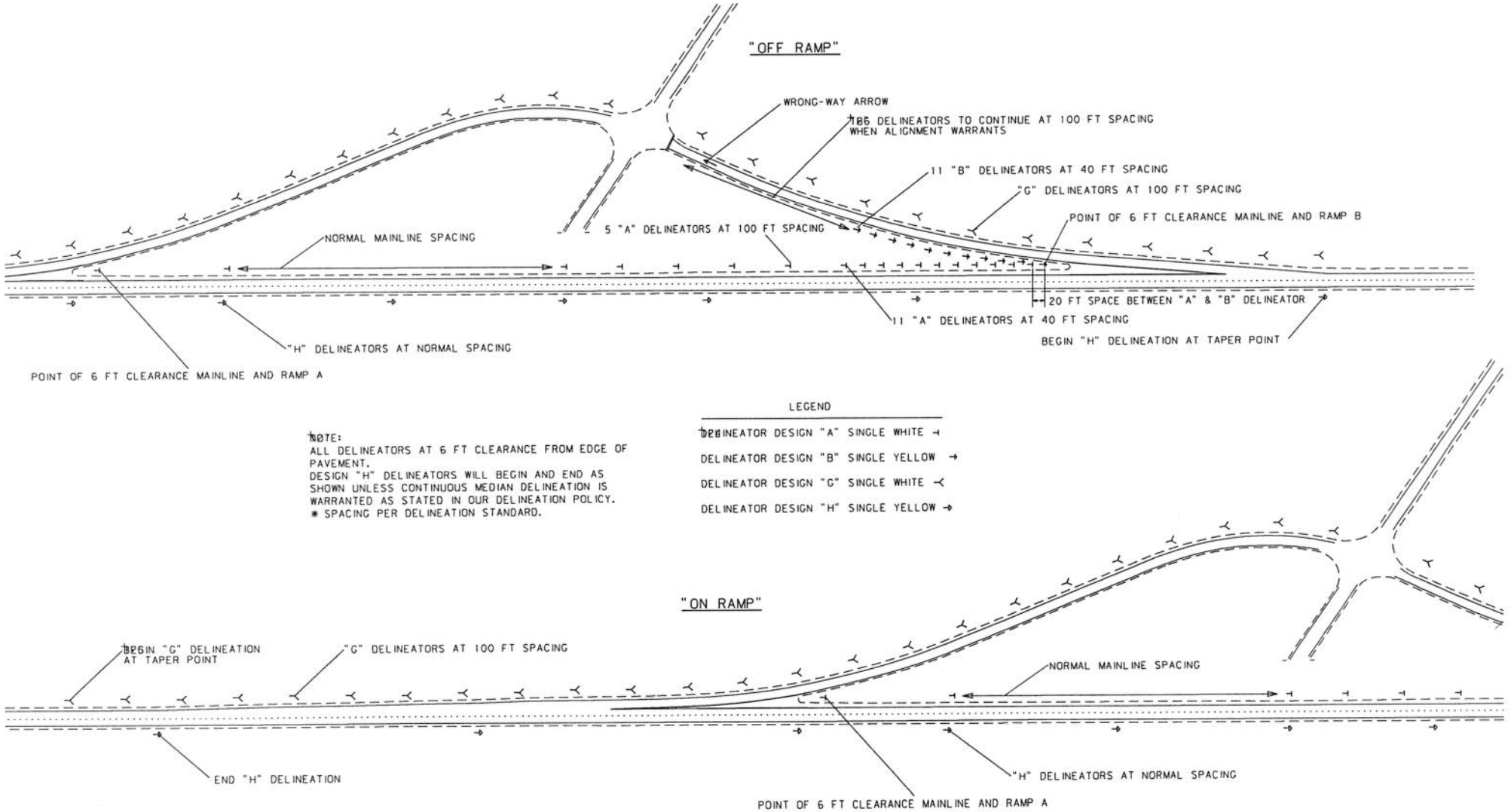


W10-1 TO BE PLACED WITHIN PAVEMENT MARKING AREA

* VAIRABLE DISTANCE:
W10-1 TO BE PLACED ACCORDING TO THE P.I.E.V. CHART (MUTCD TABLE 2C-4) WITH PAVEMENT MARKINGS ADJUSTED ACCORDINGLY

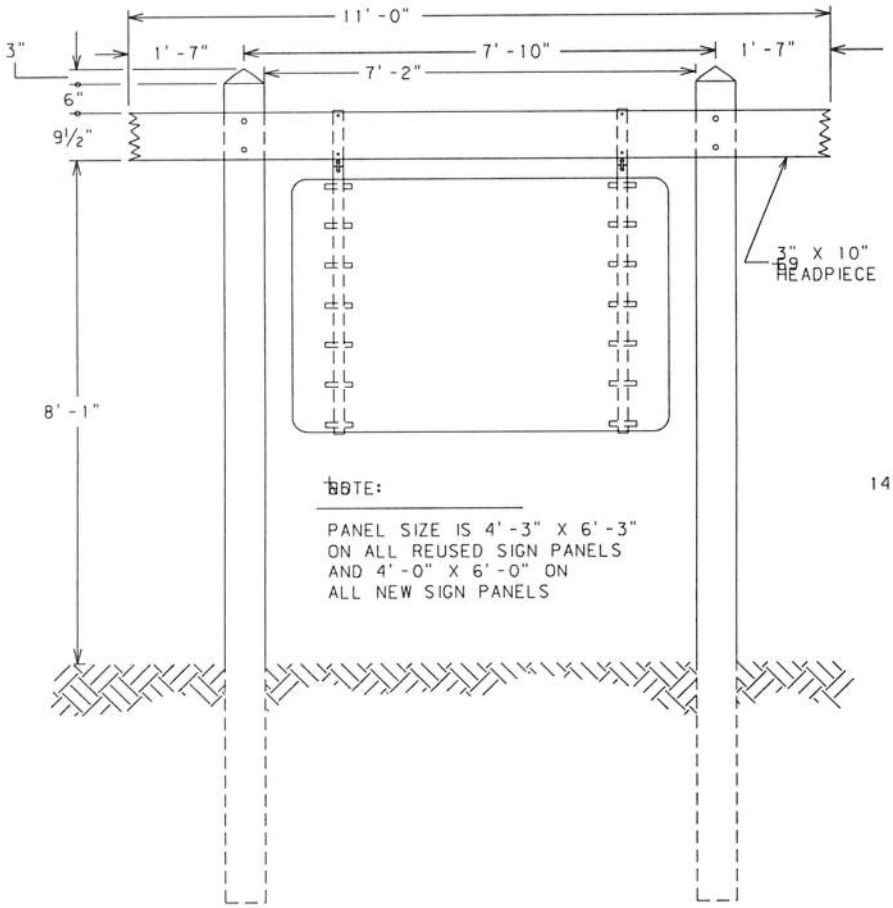
RAILROAD CROSSING
PAVEMENT MARKINGS
TYPICAL

RAMP DELINEATION DETAIL



HISTORIC MARKER DETAIL

SEE SPECIAL PROVISIONS

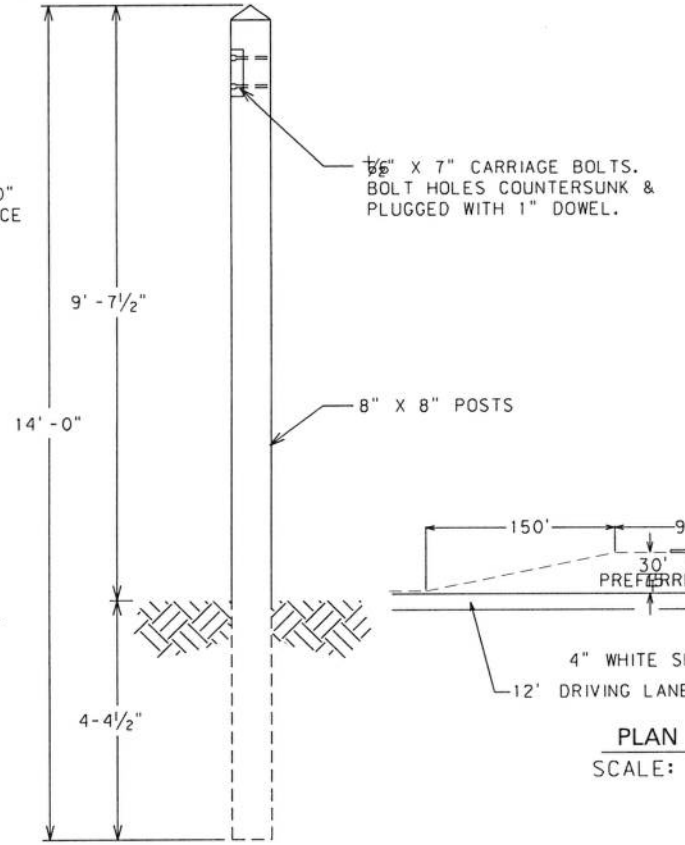


NOTE:

PANEL SIZE IS 4'-3" X 6'-3" ON ALL REUSED SIGN PANELS AND 4'-0" X 6'-0" ON ALL NEW SIGN PANELS

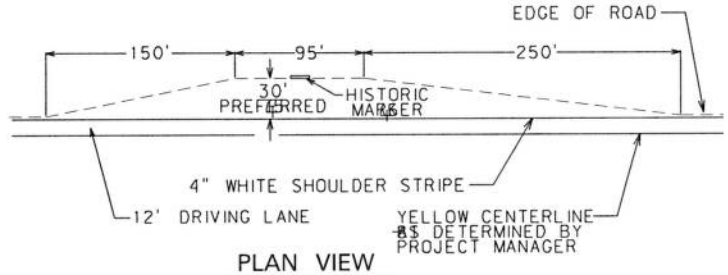
FRONT ELEVATION

SCALE: 1" = 1'-0"



SIDE ELEVATION

SCALE: 1" = 1'-0"



PLAN VIEW

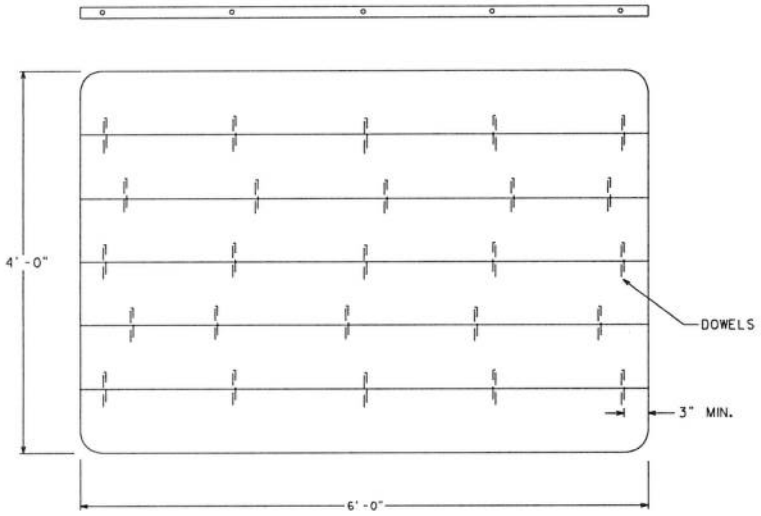
SCALE: 1" = 40'

J.H.C. 2-87
M.J.D. 10-20-94
J.T.A. 2-15-95

SCALE: AS SHOWN

HISTORIC MARKER DETAIL

SEE SPECIAL PROVISIONS

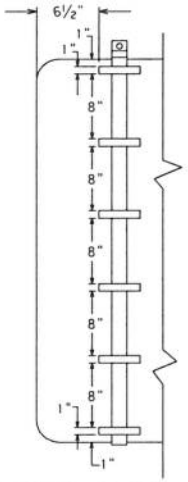


SIGN PANEL LAYOUT

NO SCALE

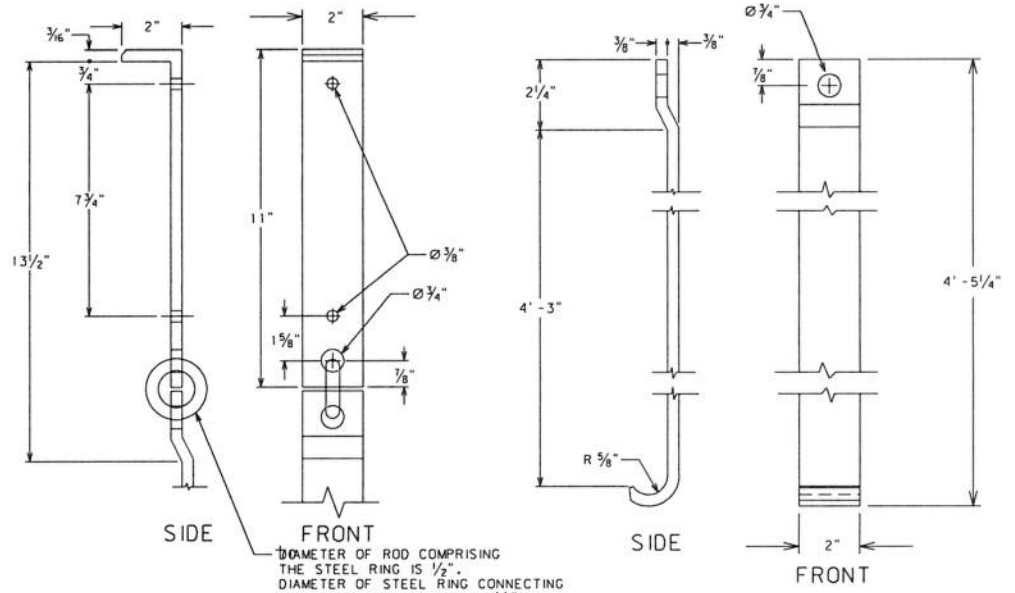
NOTE: DISTANCE FOR OFFSETTING DOWELS WILL VARY FROM BOARD TO BOARD.

12 ATTACHMENT BRACKETS ARE REQUIRED PER EACH PANEL



HANGING IRONS AND ATTACHMENT BRACKETS DETAIL

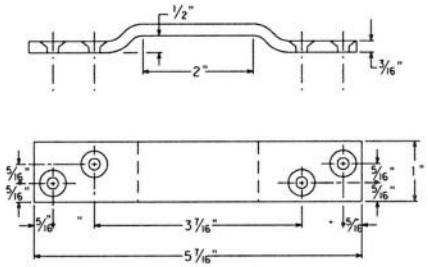
NO SCALE



† DIAMETER OF ROD COMPRISING THE STEEL RING IS ½". DIAMETER OF STEEL RING CONNECTING THE HANGING BRACKETS IS 2¼".

HANGING IRONS

SCALE: 1" = 2"

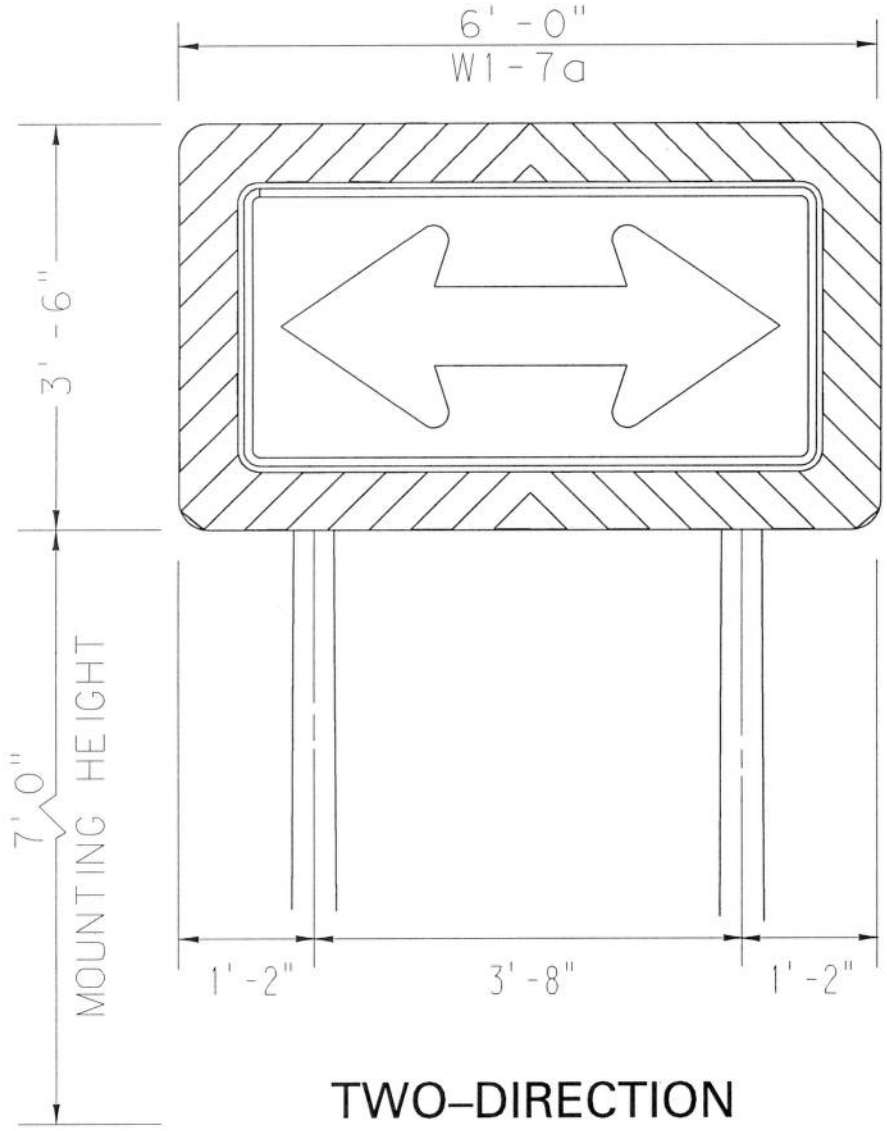


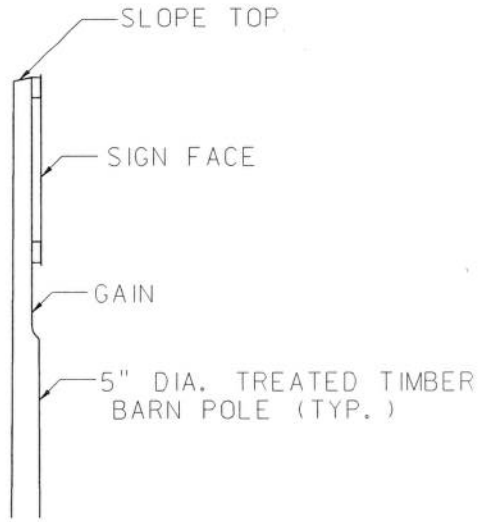
HANGING IRONS ATTACHMENT BRACKET

SCALE: 1" = 1"

J.H.C. 2-87
M.J.D. 10-20-94
J.T.A. 11-1-94

SCALE: AS SHOWN





NOTE: MOUNT 60"x30" W1-7 TWO-DIRECTION ARROW DESIGN ON 72"X42" ALUMINUM INCREMENT WITH 6" WIDE DIAGONAL BORDER AROUND THE PERIMETER. DIAGONAL STRIPES ARE 3" IN WIDTH APPLIED AT A 45 DEGREE ANGLE.

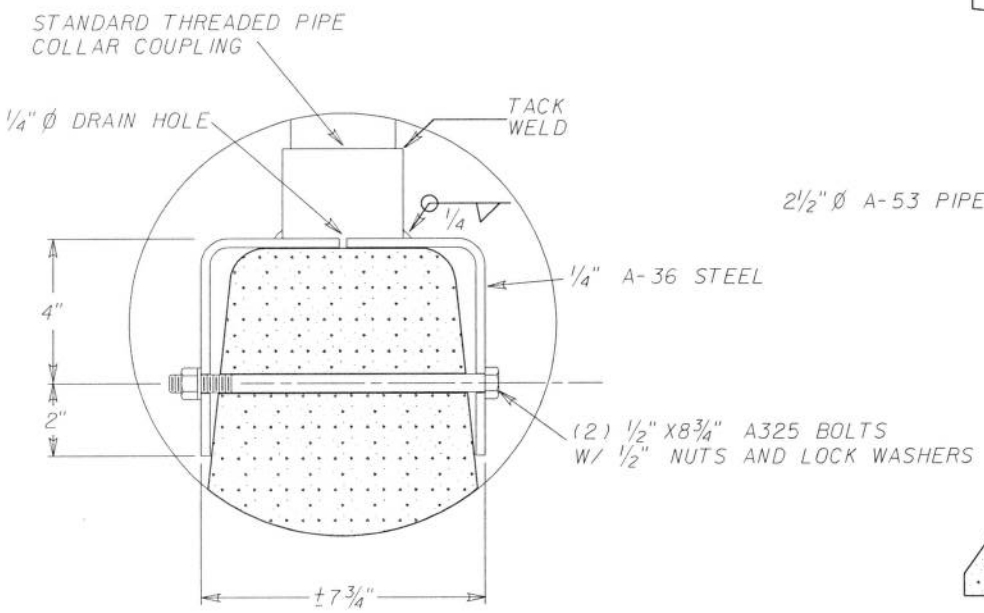
NOTE: DETERMINE POLE LENGTHS IN THE FIELD TO COMPLY WITH MOUNTING HEIGHTS AND EMBEDMENT DEPTHS.

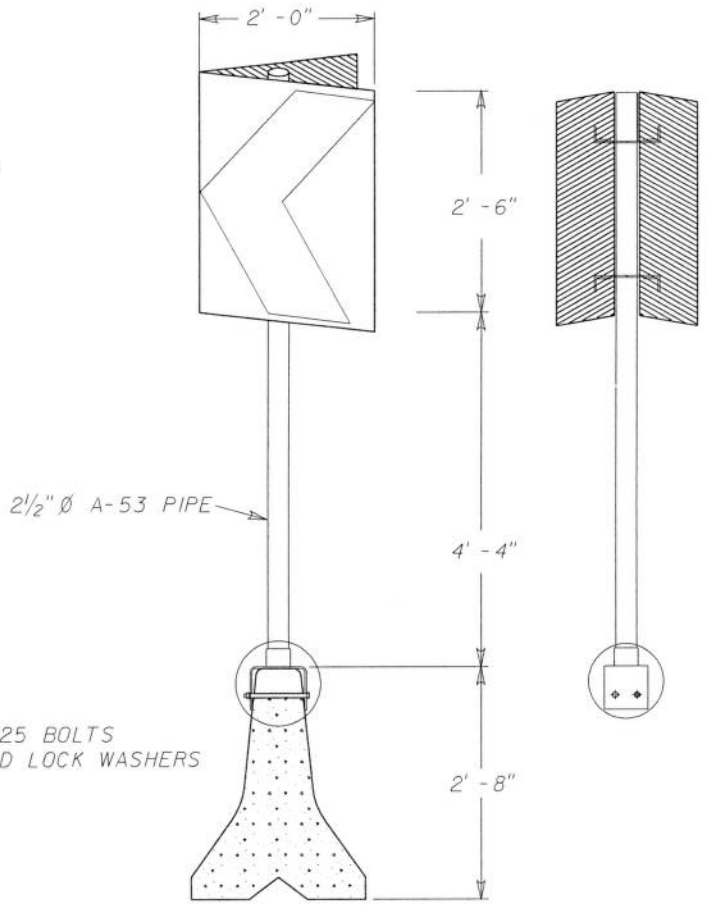
TWO-DIRECTION LARGE ARROW

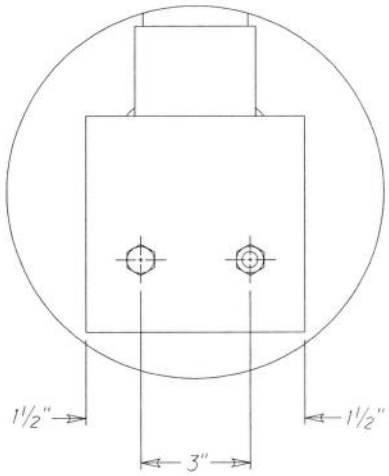
CONCRETE BARRIER
SIGN MOUNTING DETAIL

NO SCALE

NOTE: SEE STD. DRWG. # 619-24 FOR SIGN MOUNTING DETAILS





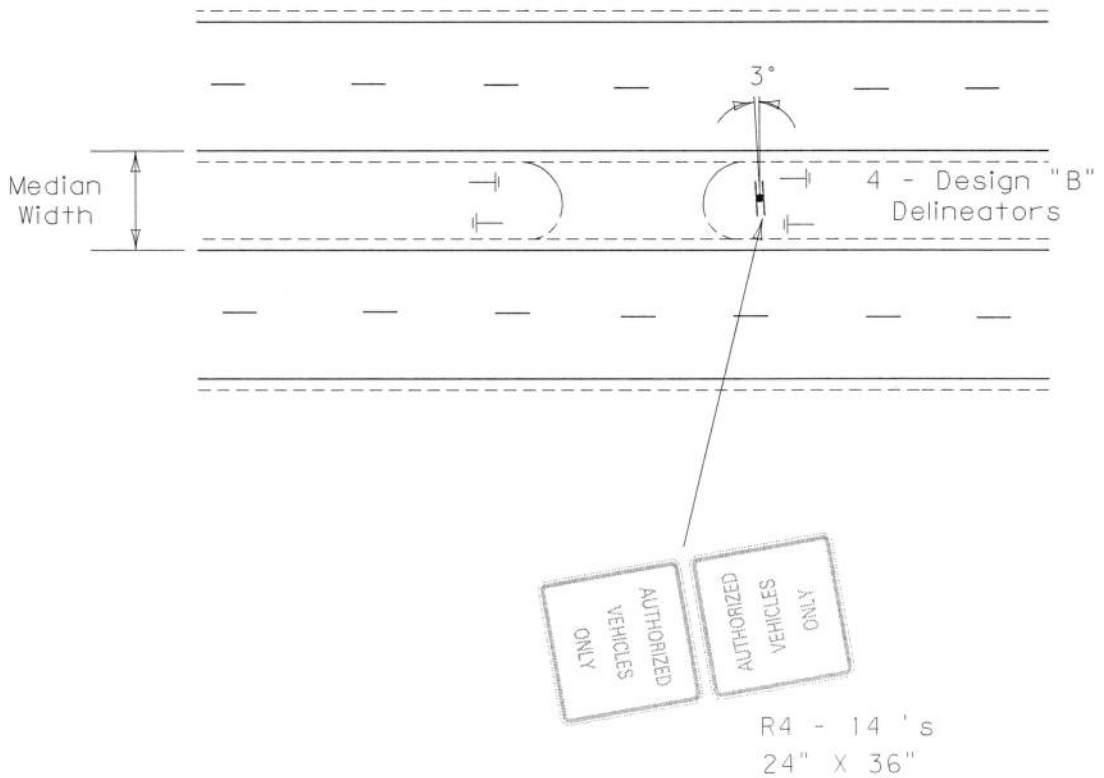


NOTES:

1. For Median Widths of 76 feet or less, mount the R4-14 signs back to back. Install at the centerline of the Median and on the side of the U - Turn away from the nearest Interchange.

2. For Median Widths greater then 76 feet, install the R4 - 14 signs separately on both sides of the U - Turn at clearances specified in the Sign Location and Specifications.

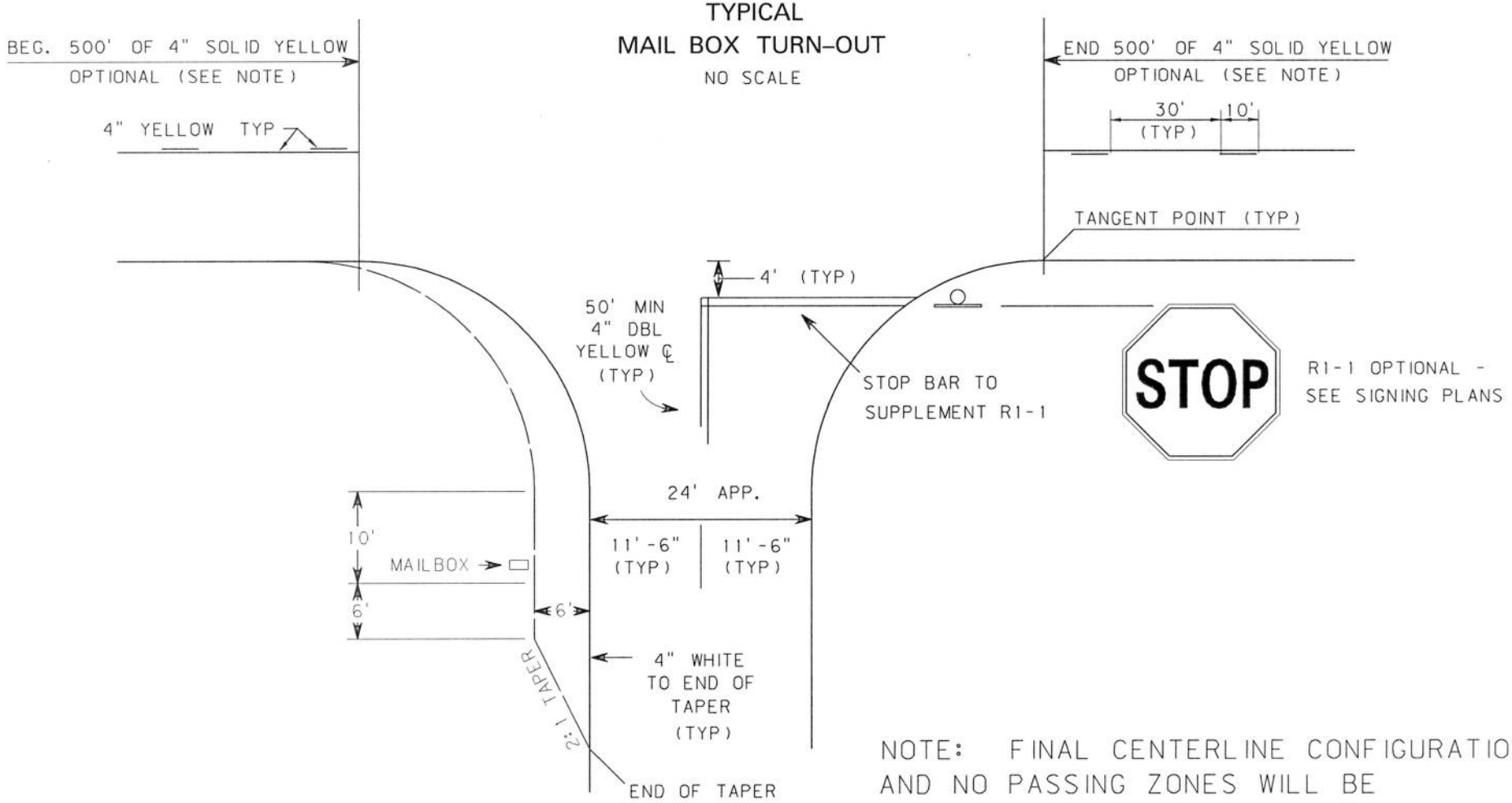
3. For openings though Median Guard Rails, install the sign post in line with the Guard Rail Posts.



MEDIAN U – TURN SIGNING

TYPICAL
MAIL BOX TURN-OUT

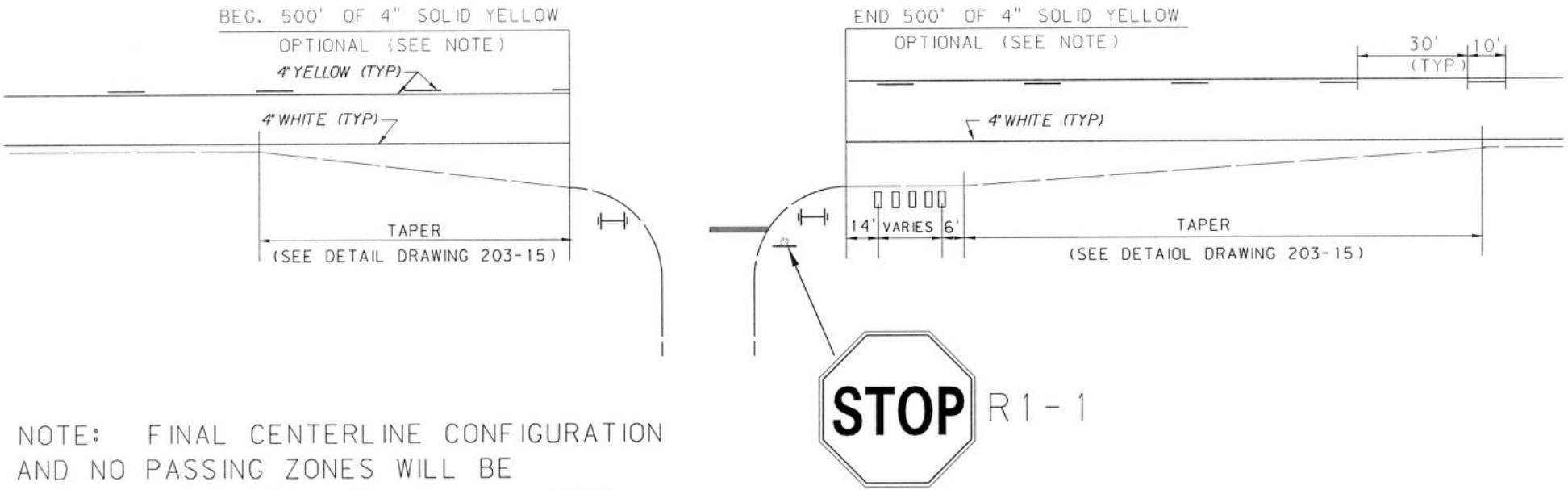
NO SCALE



NOTE: FINAL CENTERLINE CONFIGURATION AND NO PASSING ZONES WILL BE DETERMINED BY THE PROJECT MANAGER

TYPICAL
MAIL BOX TURN-OUT
AT APPROACH

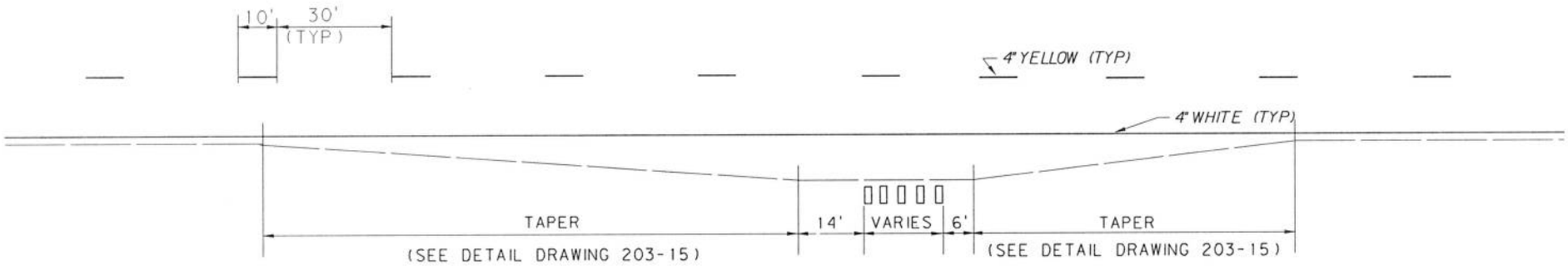
NO SCALE



NOTE: FINAL CENTERLINE CONFIGURATION AND NO PASSING ZONES WILL BE DETERMINED BY THE PROJECT MANAGER

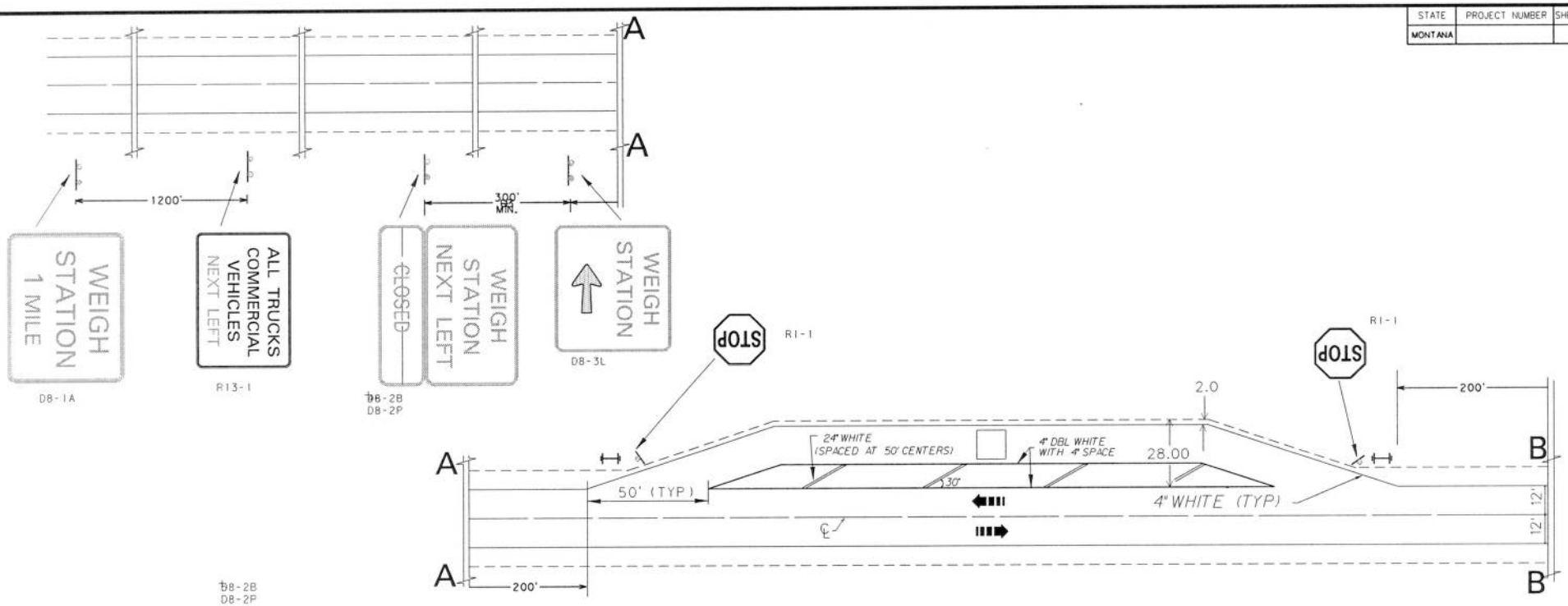
TYPICAL
MAIL BOX TURN-OUT

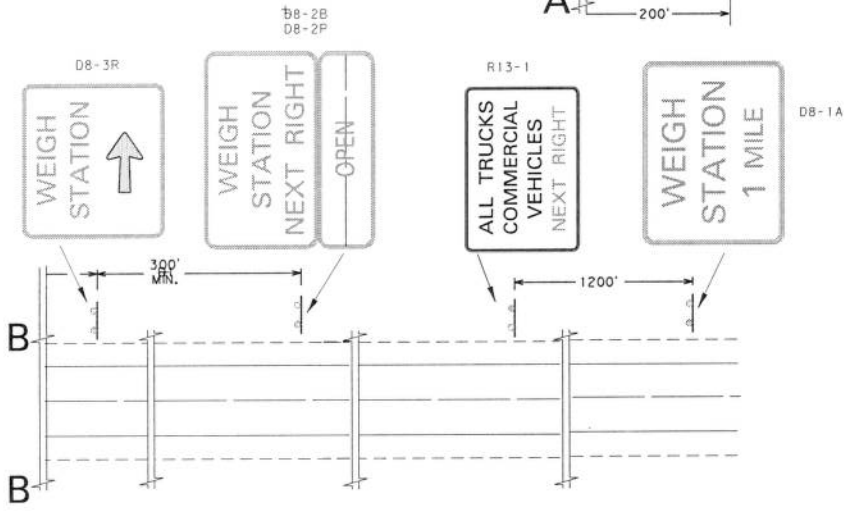
NO SCALE



AS SHOWN FOR MAIL BOX TURN OUTS
WITH APPROACHES NOT REGULATED
BY STOP OR YIELD SIGNS

STATE	PROJECT NUMBER	SHEET NO
MONTANA		





PORTABLE SCALE DETAIL

SCALE : 1"=20'

SNOWPOLE DELINEATOR DETAIL

FIELD INSTALLATION

1. INSTALL A 3/8" THICK x 1 1/4" WIDE x 6' LONG SNOWPOLE EXTENSION IN THE METAL U-CHANNEL AS SHOWN.
   FASTEN THE EXTENSION WITH ONE 1/4" x 3" BOLT AND ONE 1/4" x 1" BOLT #1712" BELOW THE TOP OF THE METAL U-CHANNEL AS SHOWN.

2. ATTACH TWO REFLECTORS TO THE TOP OF THE EXTENSION AS SHOWN.
   ATTACH TWO REFLECTORS TO THE METAL U-CHANNEL AS SHOWN.

A 1/4" x 1" BOLT - 2 REQUIRED

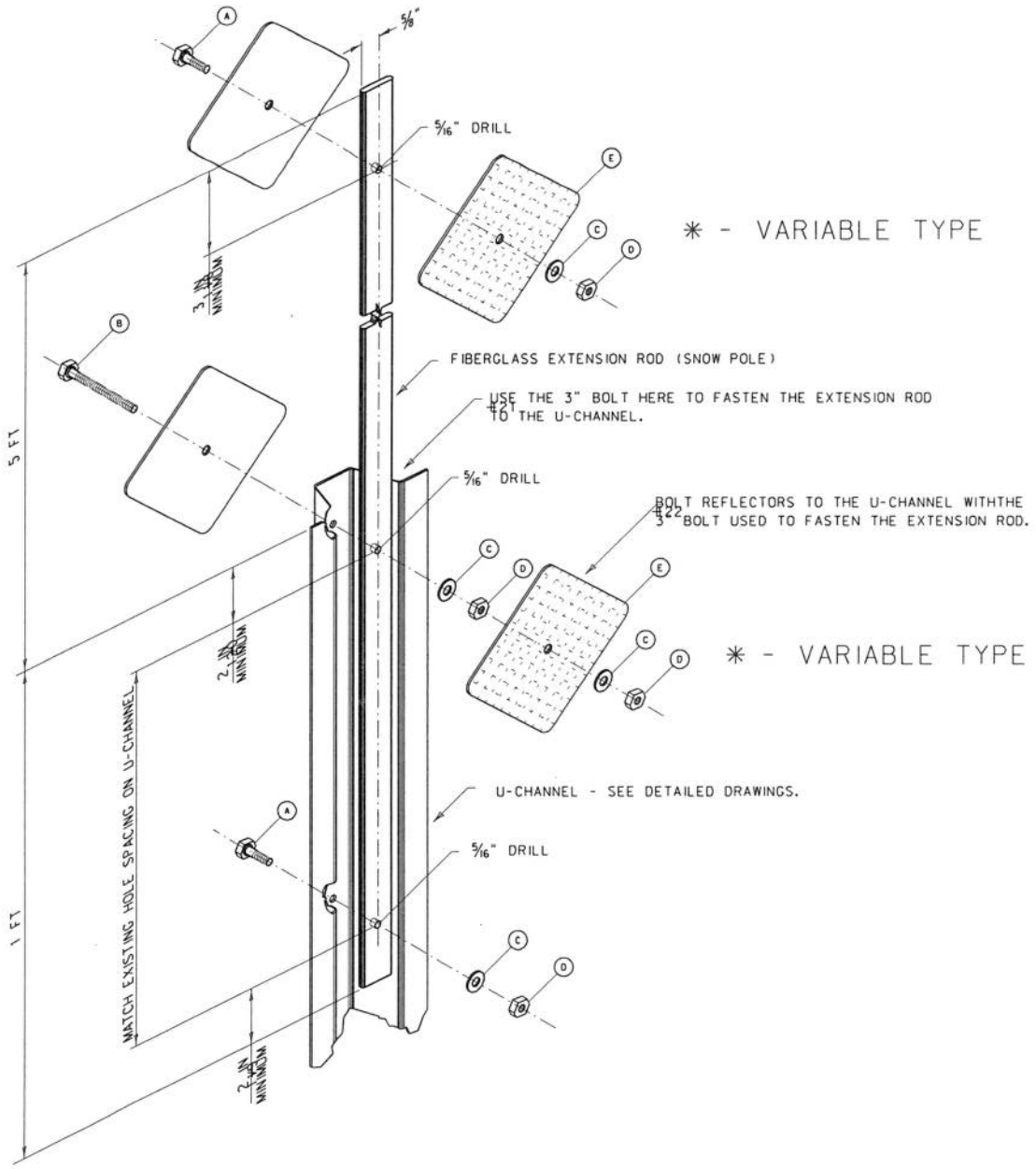
B 1/4" x 3" BOLT - 1 REQUIRED

C 23/16" FLAT WASHER - 4 REQUIRED

D 1/4" HEX NUT - 4 REQUIRED

E REFLECTOR - 2 OR 4 REQUIRED

* = MATCH SNOWPOLE DELINEATOR WITH ROADWAY DELINEATOR. REFER TO DETAIL DRAWING 619-34/36 FOR TYPE



NOTES

MOUNT ALL SIGNS LEVEL HORIZONTALLY ON THE MASTARM AS SHOWN AND CENTERED OVER THE APPROPRIATE DRIVING LANE.

INCLUDE MOUNTING HARDWARE IN THE UNIT BID PRICE FOR SIGNS.

DESIGN AND FURNISH ALL MOUNTING BRACKETS, FOUNDATION AND OVERHEAD CANTILEVER STRUCTURE-SIGNAL FOR PLACEMENT OF SIGNS AT STATIONS __+__ RT & __+__ LT.

PROVIDE SHOP DRAWINGS ACCORDING TO STANDARD SPECIFICATIONS.

DESIGN *AND INSPECT* STRUCTURE IN ACCORDANCE WITH THE CURRENT AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARES AND TRAFFIC SIGNALS, INCLUDING THE FATIGUE REQUIREMENTS IN SECTION 11 AND ANY AMENDMENTS THERETO.

DESIGN WIND VELOCITY SHALL BE 90 M.P.H.

DESIGN AREA = AREA W/RESPECT TO MAX. WIND LOADWIND IS PERPENDICULAR TO STRUCTURE, AS SHOWN.)

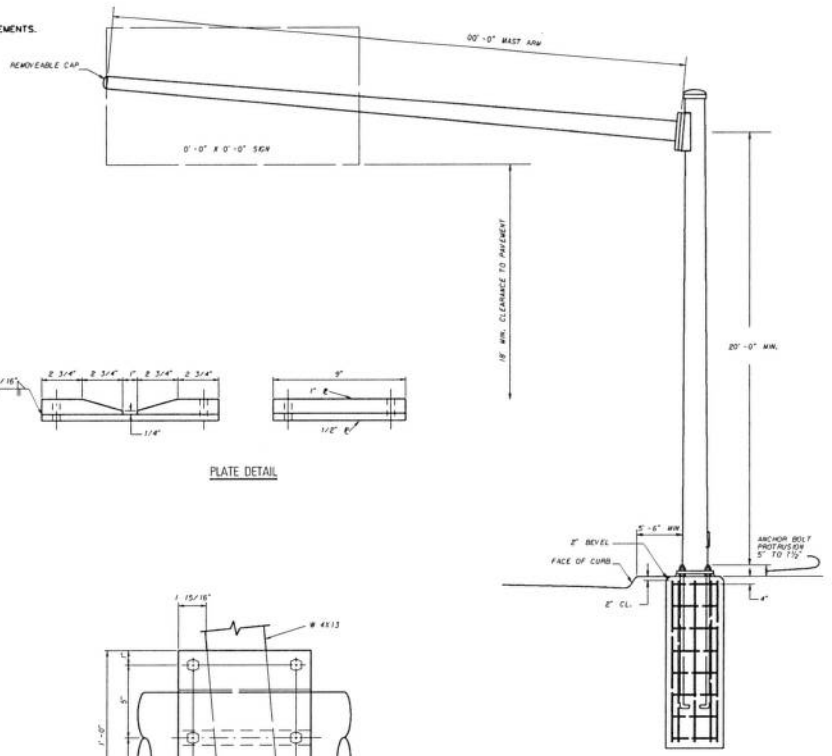
DESIGN WEIGHT = DEAD LOAD

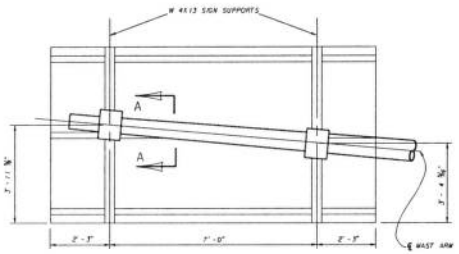
WELDING PROCEDURES, SYMBOLS, BASE METAL SPECIFICATIONS & GRADES MUST BE CALLED OUT PRIOR TO FABRICATION OR APPROVAL.

GALVANIZE POLES AND ARMS TO ASTM DESIGNATION : A123.

GALVANIZE ACCESSORIES TO ASTM DESIGNATION : A153.

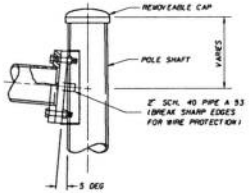
SEE DETAILED DRAWING 619-04 FOR POST CLIP AND BACK BRACING REQUIREMENTS.



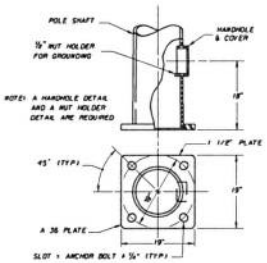


ELEVATION
(BACK OF SIGN)

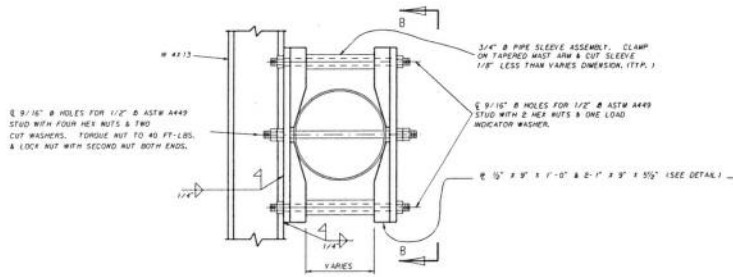
PLATE DETAIL



ARM CONNECTION

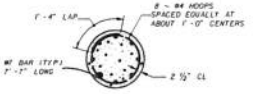


BASE DETAIL



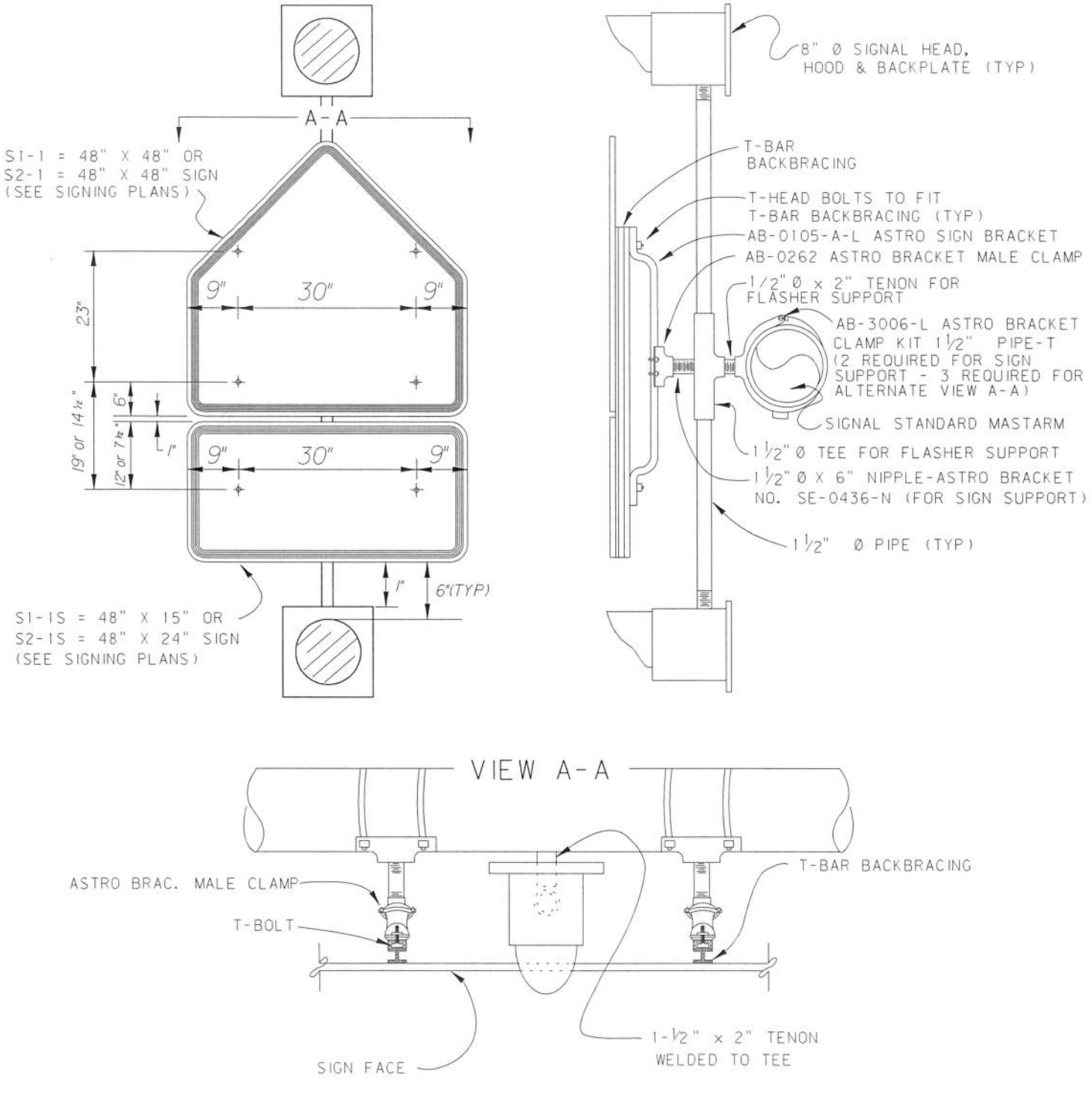
SECTION A-A

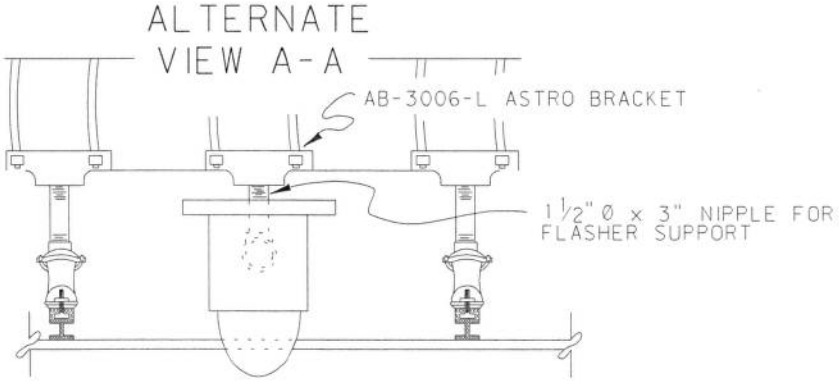
VIEW B-B



TYPICAL FOUNDATION

SIGN CLAMP
FOR HORIZONTAL MAST ARM





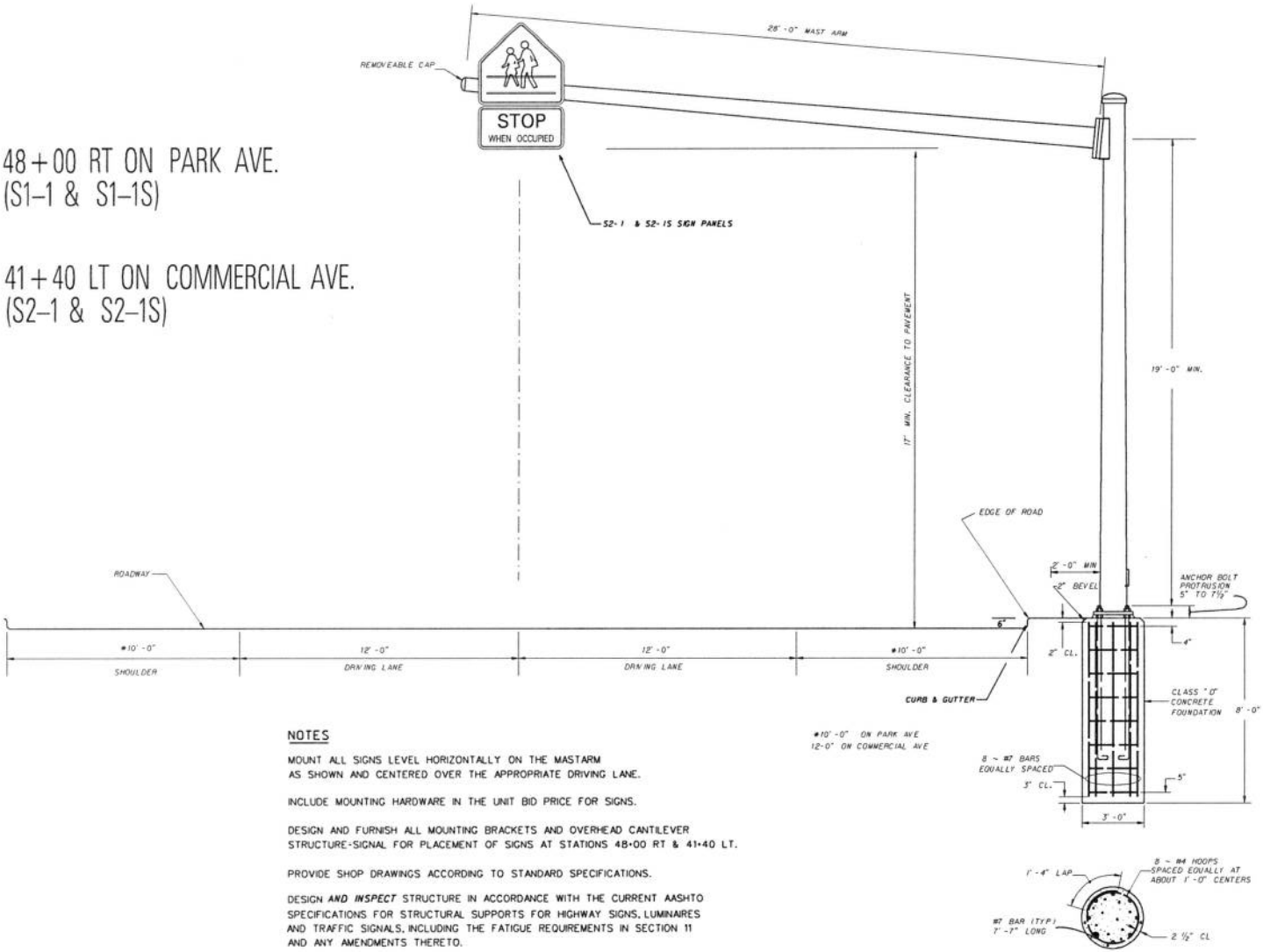
OVERHEAD
SCHOOL CROSSING
SIGN MOUNTING

NO SCALE

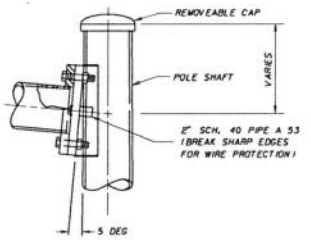
OVERHEAD CANTILEVER STRUCTURE

48+00 RT ON PARK AVE.
(S1-1 & S1-1S)

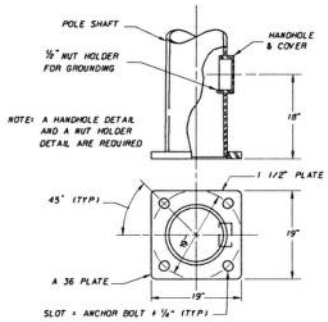
41+40 LT ON COMMERCIAL AVE.
(S2-1 & S2-1S)



TYPICAL FOUNDATION



ARM CONNECTION



BASE DETAIL

NOTES

MOUNT ALL SIGNS LEVEL HORIZONTALLY ON THE MASTARM AS SHOWN AND CENTERED OVER THE APPROPRIATE DRIVING LANE.

INCLUDE MOUNTING HARDWARE IN THE UNIT BID PRICE FOR SIGNS.

DESIGN AND FURNISH ALL MOUNTING BRACKETS AND OVERHEAD CANTILEVER STRUCTURE-SIGNAL FOR PLACEMENT OF SIGNS AT STATIONS 48+00 RT & 41+40 LT.

PROVIDE SHOP DRAWINGS ACCORDING TO STANDARD SPECIFICATIONS.

DESIGN ***AND INSPECT*** STRUCTURE IN ACCORDANCE WITH THE CURRENT AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, INCLUDING THE FATIGUE REQUIREMENTS IN SECTION 11 AND ANY AMENDMENTS THERETO.

DESIGN WIND VELOCITY SHALL BE 90 M.P.H.

DESIGN AREA = AREA W/RESPECT TO MAX. WIND LOAD (WIND IS PERPENDICULAR TO STRUCTURE, AS SHOWN.)

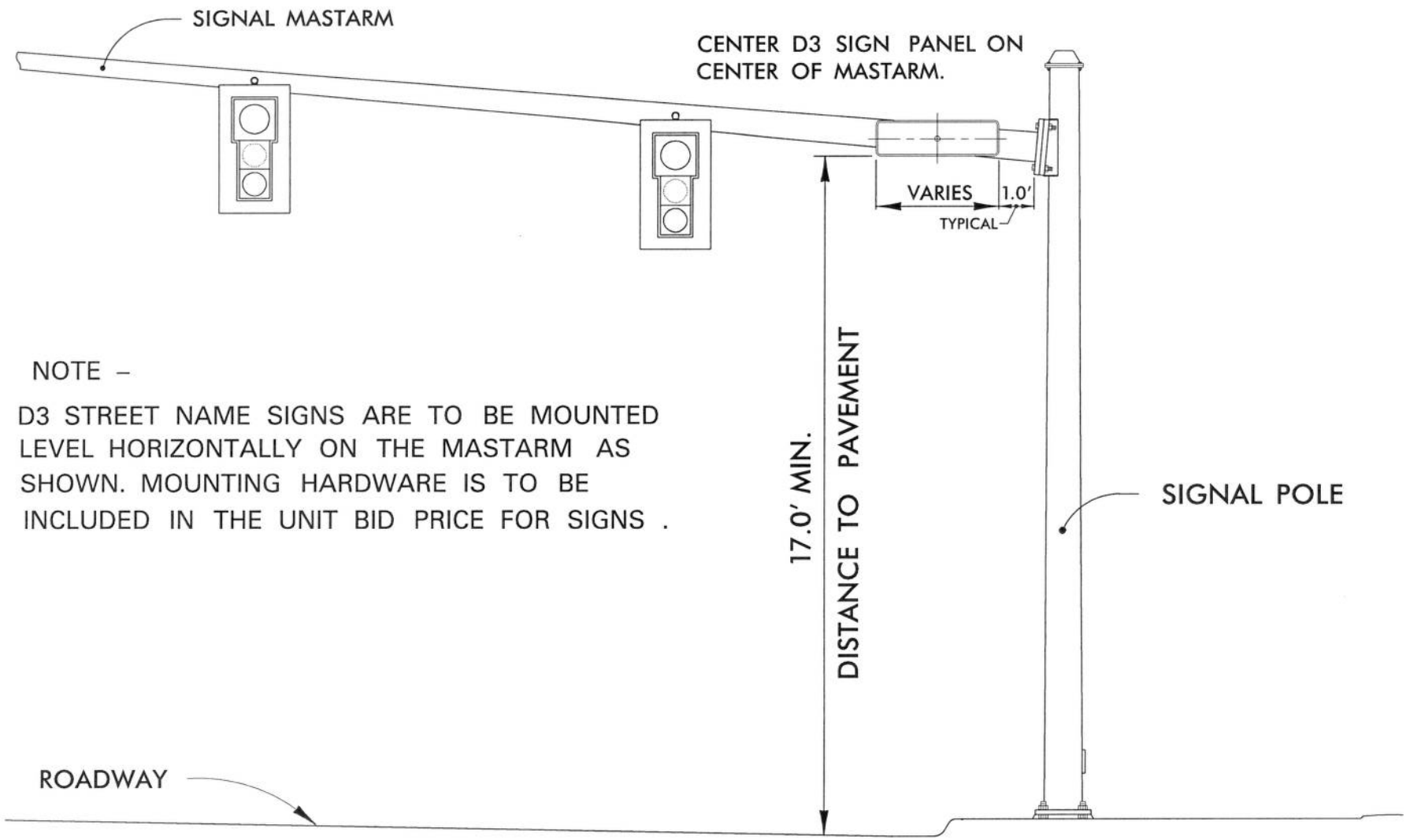
DESIGN WEIGHT = DEAD LOAD

SUPPLY ANCHOR BOLTS A449 OR EQUAL, GALVANIZE TOP END AND THREAD 12" MIN.

WELDING PROCEDURES, SYMBOLS, BASE METAL SPECIFICATIONS & GRADES MUST BE CALLED OUT PRIOR TO FABRICATION OR APPROVAL.

GALVANIZE POLES AND ARMS TO ASTM DESIGNATION : A123.

GALVANIZE ACCESSORIES TO ASTM DESIGNATION : A153.



NOTE –

D3 STREET NAME SIGNS ARE TO BE MOUNTED LEVEL HORIZONTALLY ON THE MASTARM AS SHOWN. MOUNTING HARDWARE IS TO BE INCLUDED IN THE UNIT BID PRICE FOR SIGNS .

D3 OVERHEAD SIGN DETAIL

NO SCALE