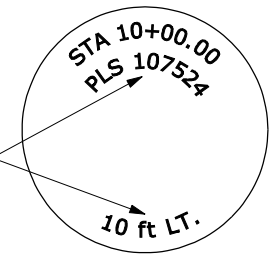


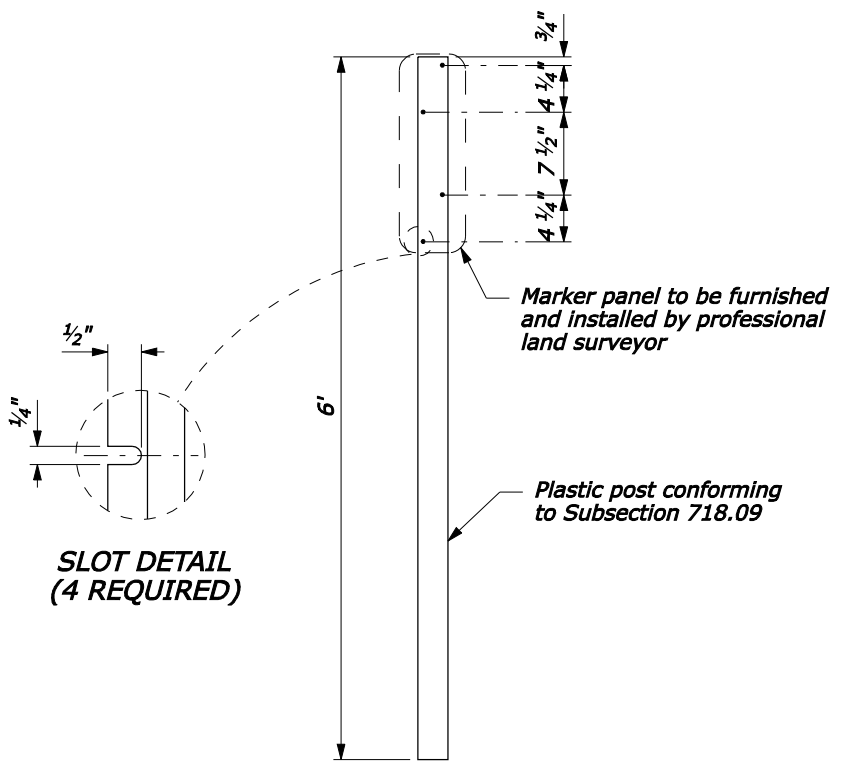
**TYPICAL SECTION  
RIGHT-OF-WAY MONUMENTATION**



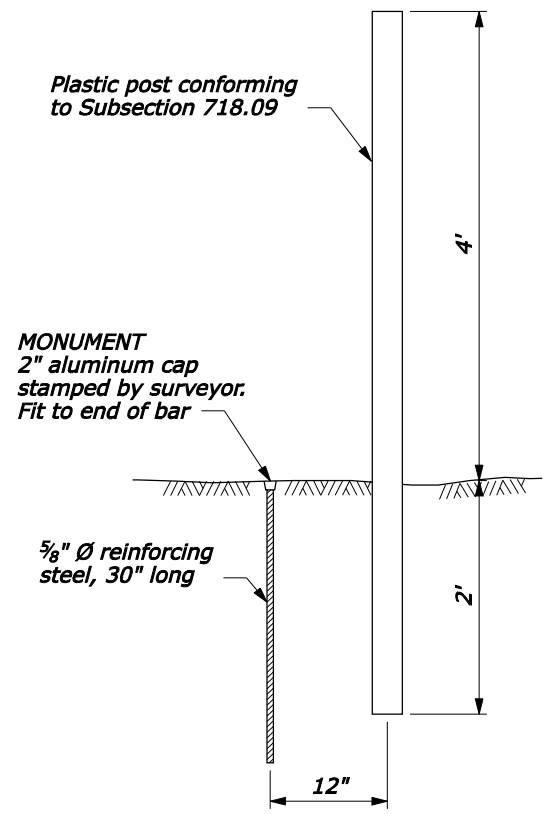
**CAP DETAIL**

**NOTE:**

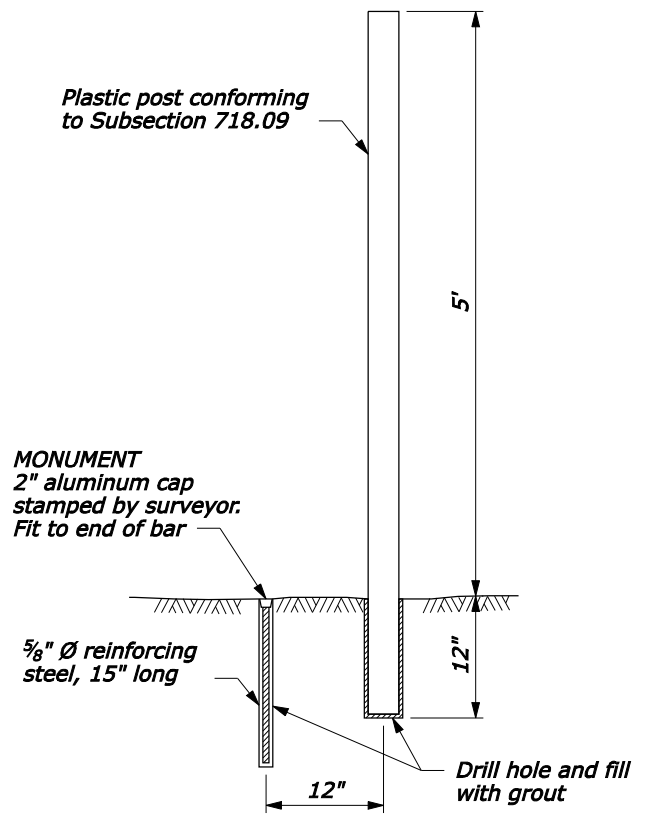
1. **Right-of-Way Witness Post:**  
Set a 6 foot long flexible plastic post. Right-of-Way witness posts should be brown, green or other suitable colors to match surroundings. Attach a "Survey Marker Witness" plaque to the post. Station, offset and PLS date of survey should be permanently attached to the front of the post facing the designed alignment.
2. Witness post to be used when Right-of-Way witness post assembly is required.
3. Set monuments using a professional land surveyor according to the requirements of the state code.
4. Station and distances based on Right-of-Way centerline.
5. Install markers so that the center of the cap is not more than 1/2" from the point established.



**RIGHT-OF-WAY WITNESS POST  
ASSEMBLY DETAIL**



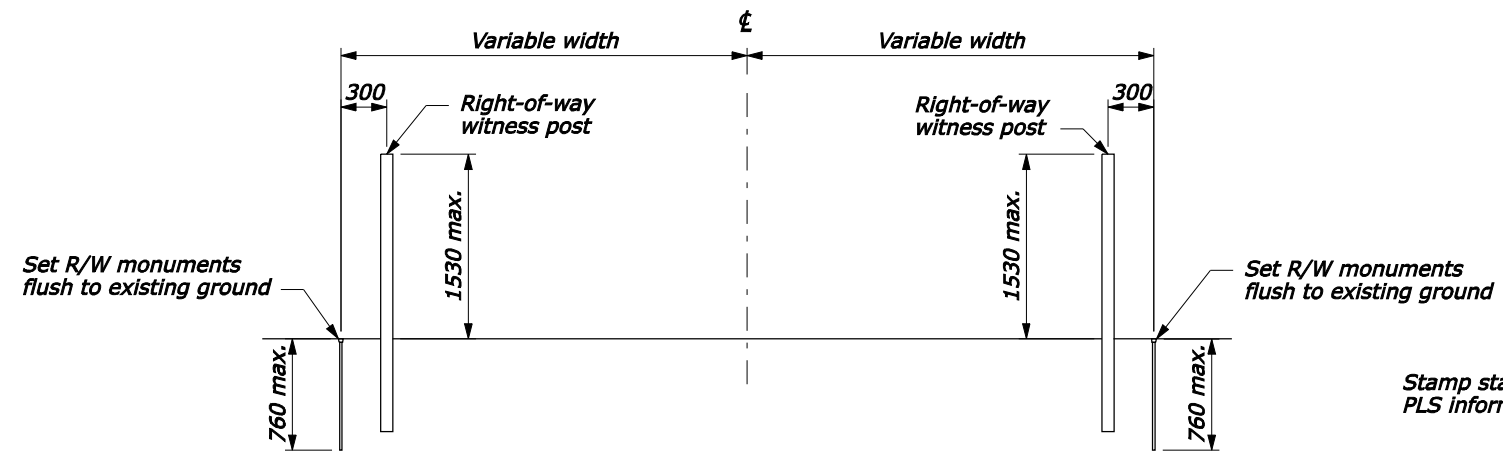
**RIGHT-OF-WAY MONUMENT  
AND WITNESS POST  
EARTH INSTALLATION**



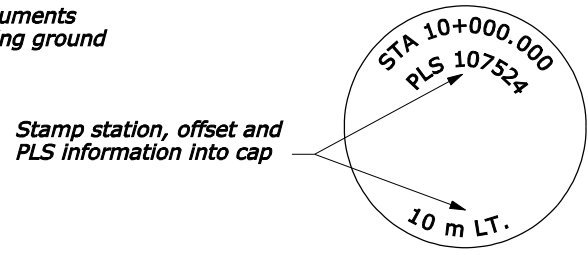
**RIGHT-OF-WAY MONUMENT  
AND WITNESS POST  
SOLID ROCK INSTALLATION**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
<b>RIGHT-OF-WAY MONUMENTATION</b>	
DETAIL APPROVED FOR USE 5/2003 REVISED: 12/2006 11/2007	DETAIL W621-1



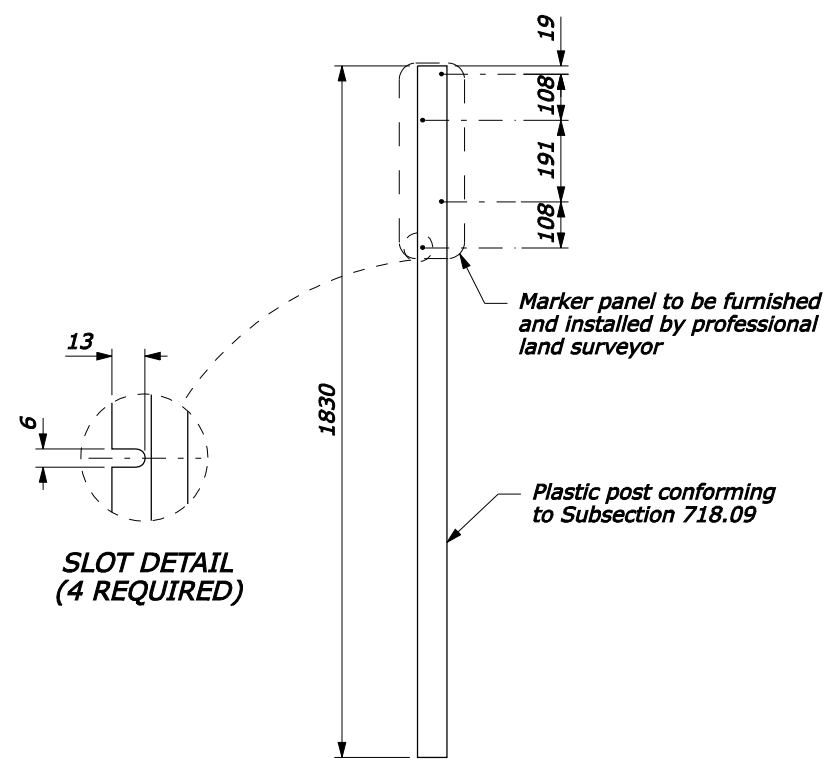
**TYPICAL SECTION  
RIGHT-OF-WAY MONUMENTATION**



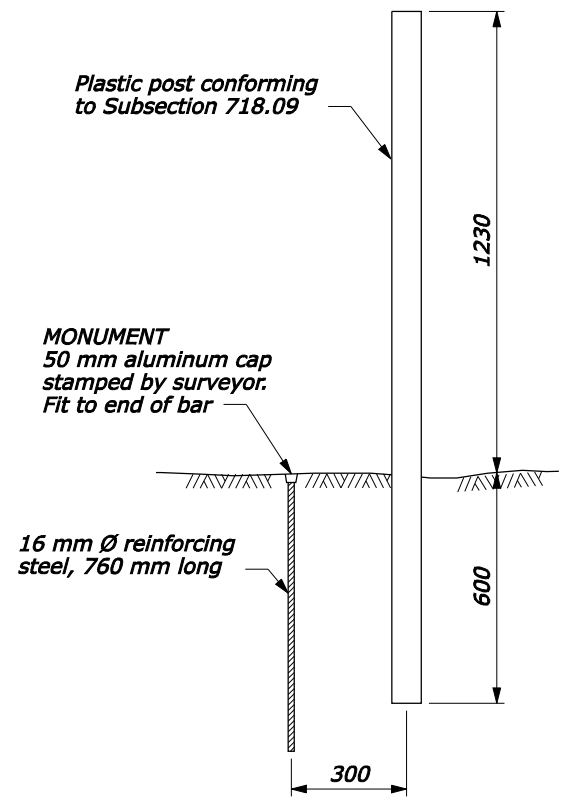
**CAP DETAIL**

**NOTE:**

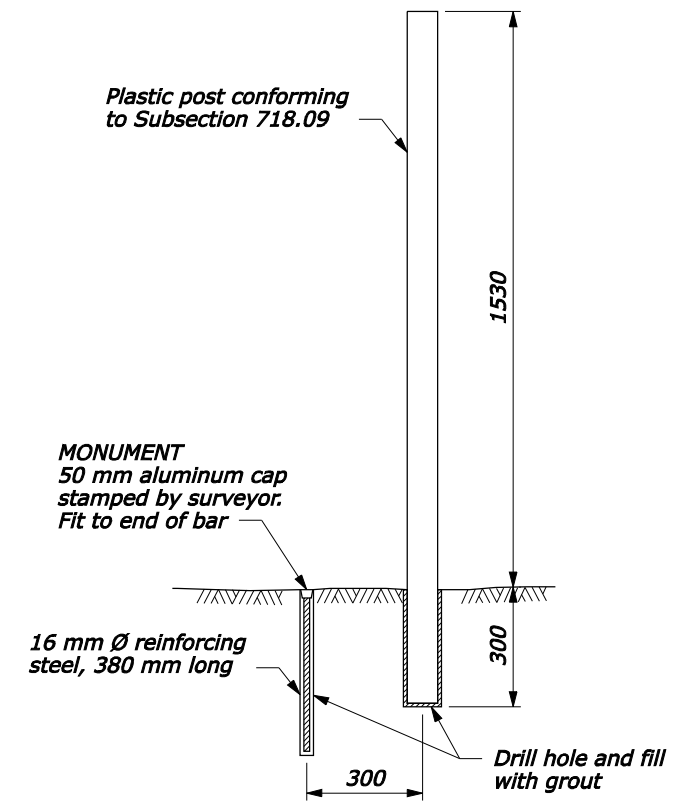
1. **Right-of-Way Witness Post:**  
Set a 1830 mm long flexible plastic post. Right-of-Way witness posts should be brown, green or other suitable colors to match surroundings. Attach a "Survey Marker Witness" plaque to the post. Station, offset and PLS date of survey should be permanently attached to the front of the post facing the designed alignment.
2. Witness post to be used when Right-of-Way witness post assembly is required.
3. Set monuments using a professional land surveyor according to the requirements of the state code.
4. Station and distances based on Right-of-Way centerline.
5. Install markers so that the center of the cap is not more than 13 mm from the point established.
6. Dimensions without units are millimeters.



**RIGHT-OF-WAY WITNESS POST  
ASSEMBLY DETAIL**



**RIGHT-OF-WAY MONUMENT  
AND WITNESS POST  
EARTH INSTALLATION**

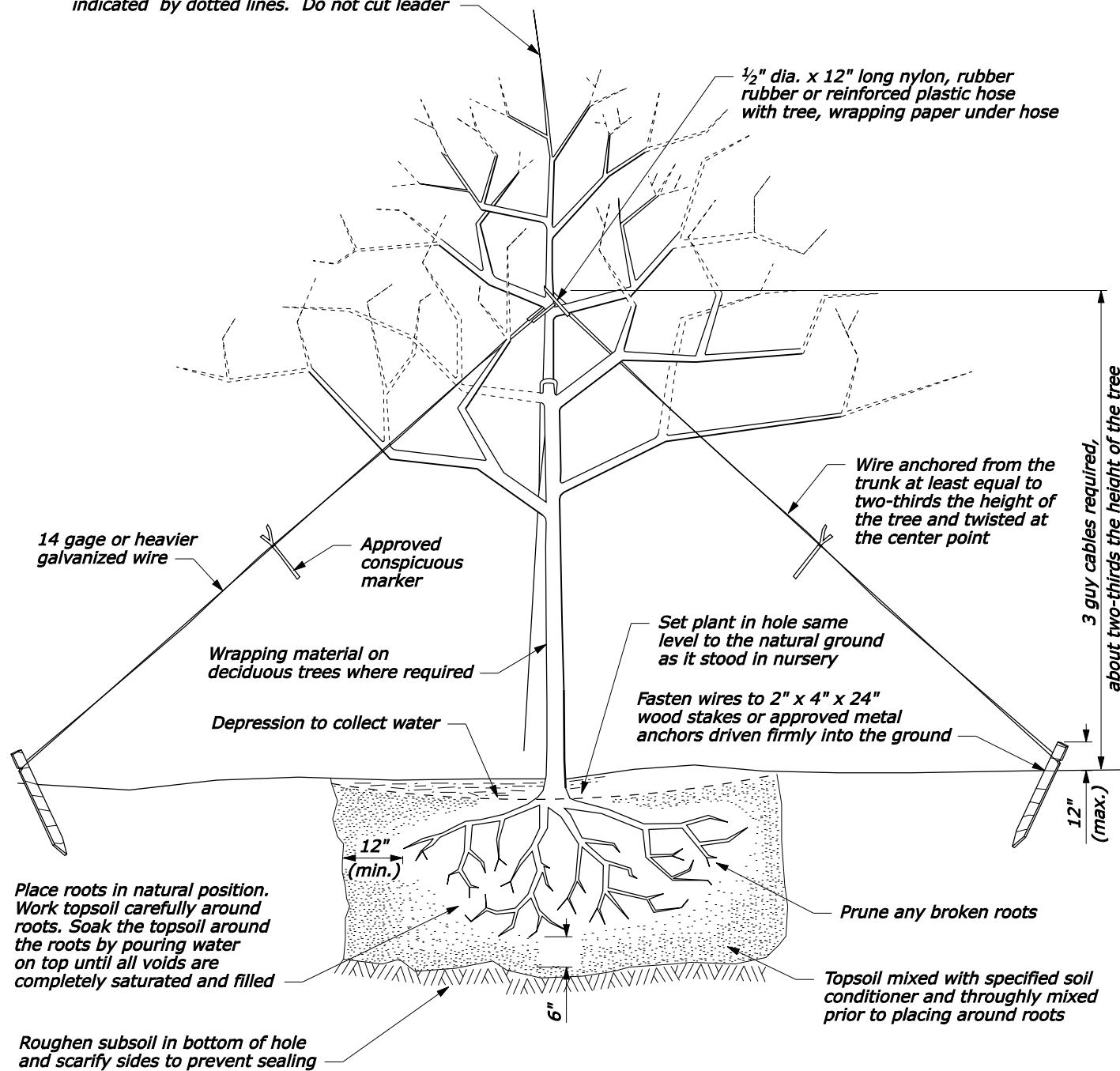


**RIGHT-OF-WAY MONUMENT  
AND WITNESS POST  
SOLID ROCK INSTALLATION**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
<b>RIGHT-OF-WAY MONUMENTATION</b>	
DETAIL APPROVED FOR USE 5/2003 REVISED: 12/2006 11/2007	DETAIL WM621-1

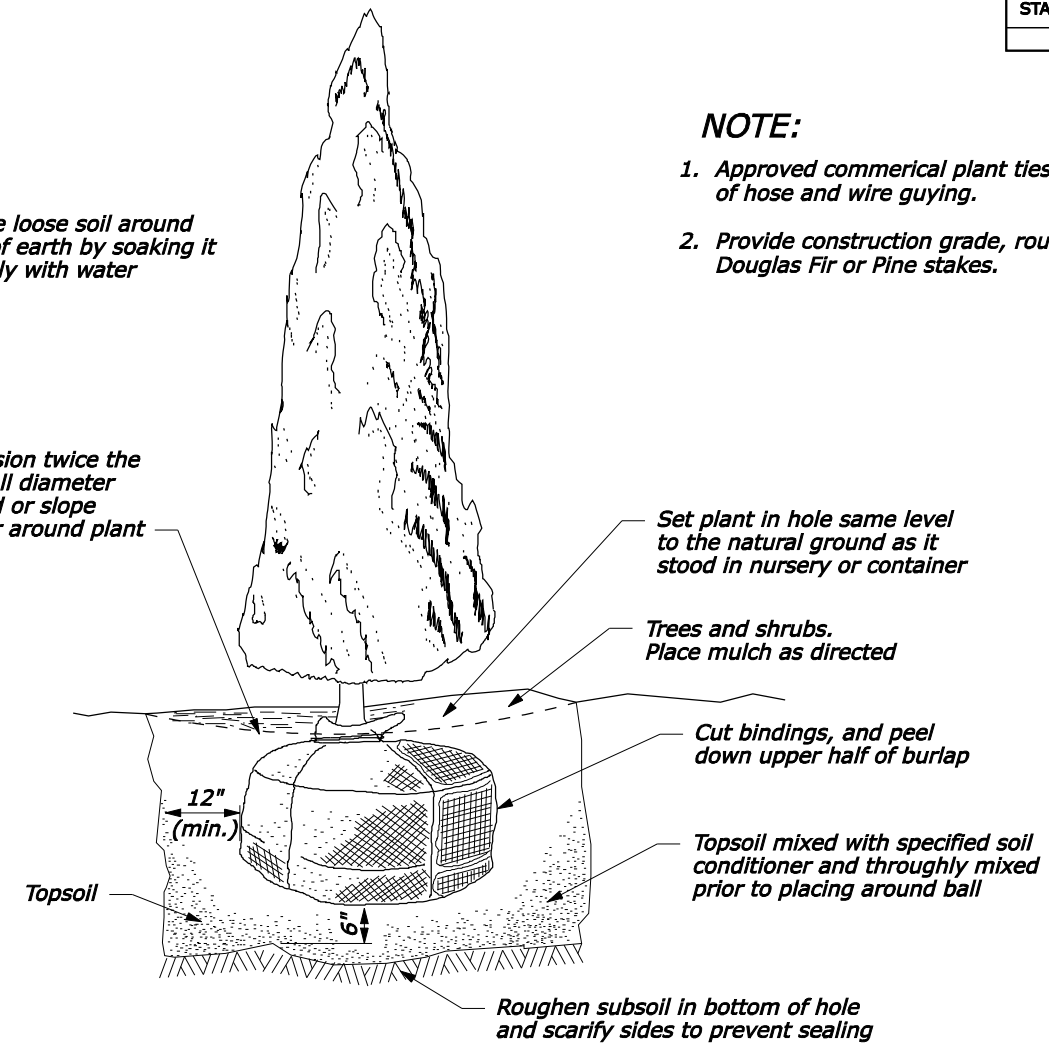
For bare root trees and shrubs, prune branches about  $\frac{1}{3}$  for nursery stock and about  $\frac{1}{2}$  for collected material as indicated by dotted lines. Do not cut leader



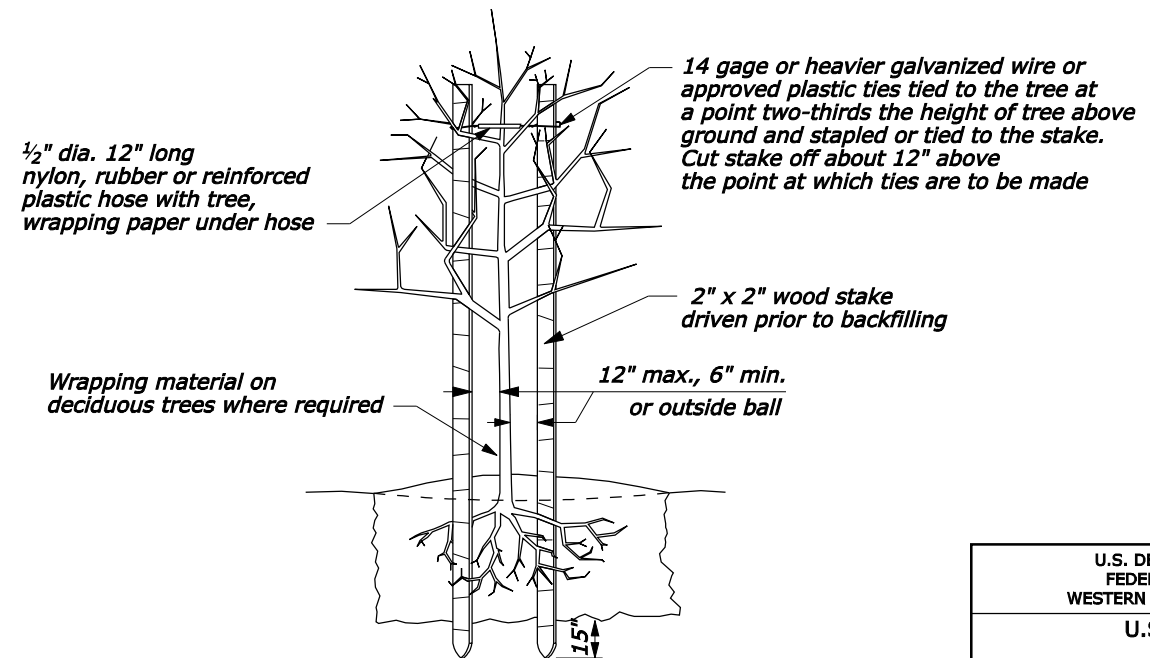
**METHOD OF PLANTING BARE ROOT TREES AND SHRUBS AND METHOD OF GUYING DECIDUOUS TREES OVER 12' AND CONIFERS OVER 4'**

Settle the loose soil around the ball of earth by soaking it thoroughly with water

Make a depression twice the container or ball diameter on level ground or slope to collect water around plant



**METHOD OF PLANTING CONTAINER OR BALLED AND BURLAPPED TREES AND SHRUBS**



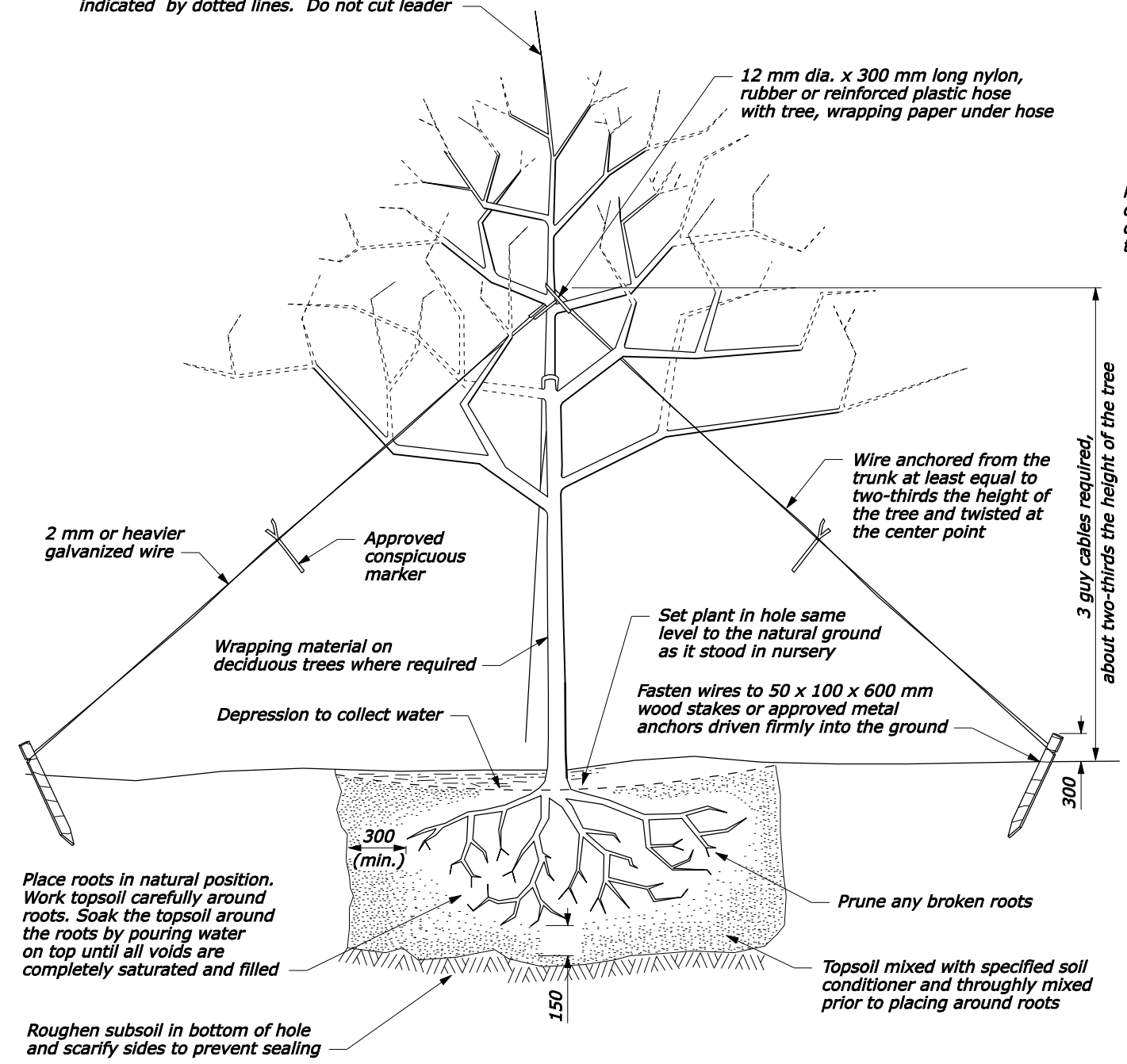
**METHOD OF STAKING DECIDUOUS TREES UNDER 12'**

NO SCALE

**NOTE:**

1. Approved commercial plant ties may be used in lieu of hose and wire guying.
2. Provide construction grade, rough or dressed Douglas Fir or Pine stakes.

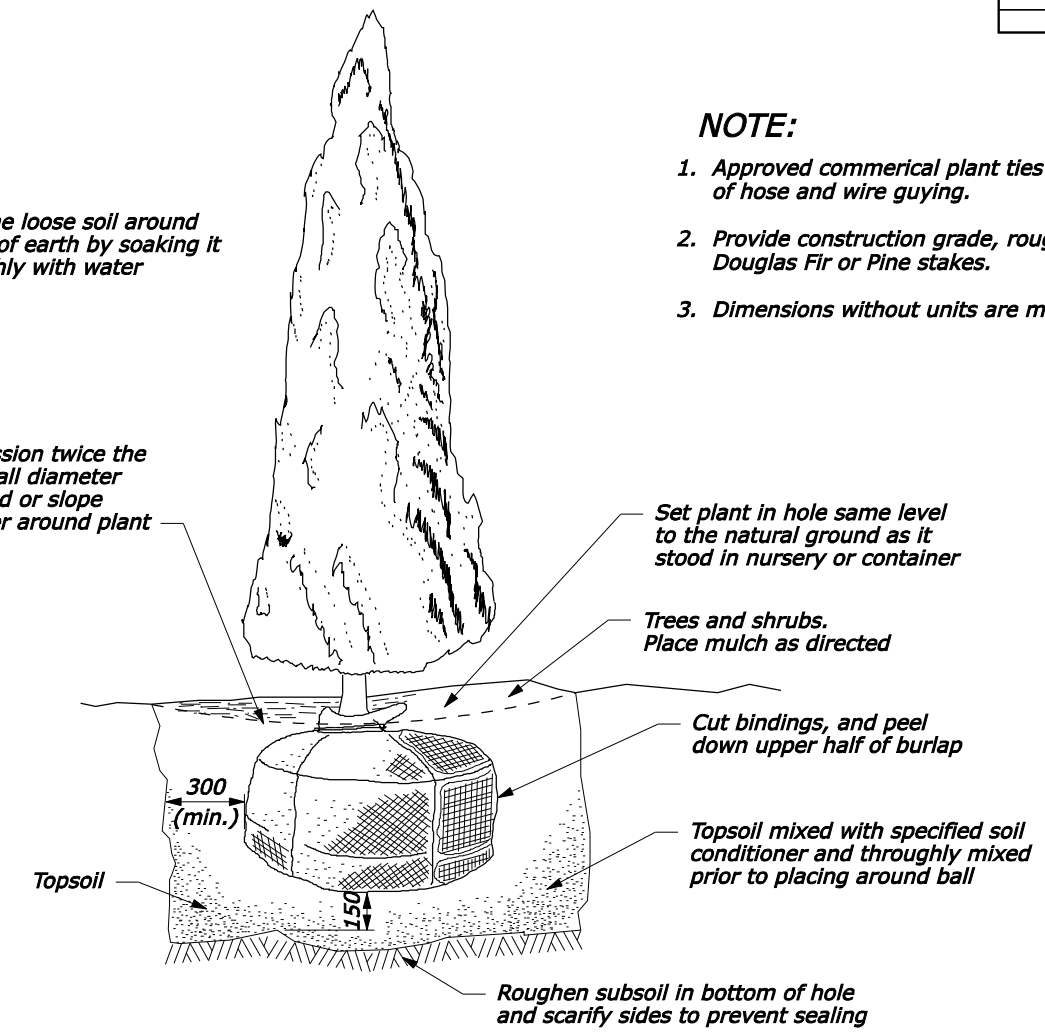
For bare root trees and shrubs, prune branches about  $\frac{1}{3}$  for nursery stock and about  $\frac{1}{2}$  for collected material as indicated by dotted lines. Do not cut leader



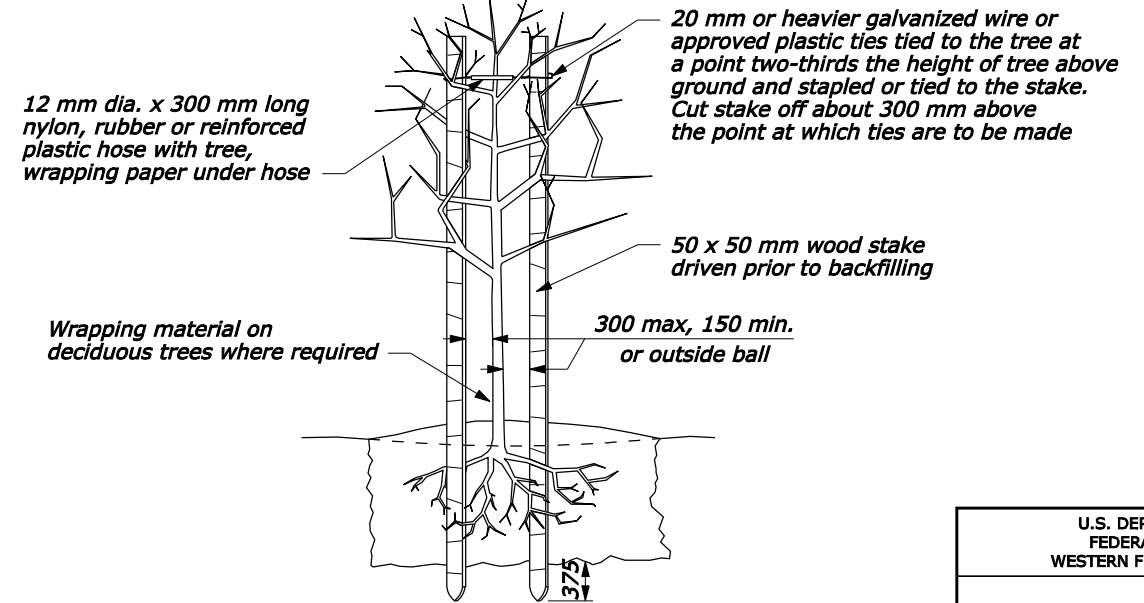
**METHOD OF PLANTING BARE ROOT TREES AND SHRUBS AND METHOD OF GUYING DECIDUOUS TREES OVER 3.6 m AND CONIFERS OVER 1.2 m**

Settle the loose soil around the ball of earth by soaking it thoroughly with water

Make a depression twice the container or ball diameter on level ground or slope to collect water around plant



**METHOD OF PLANTING CONTAINER OR BALLED AND BURLAPPED TREES AND SHRUBS**



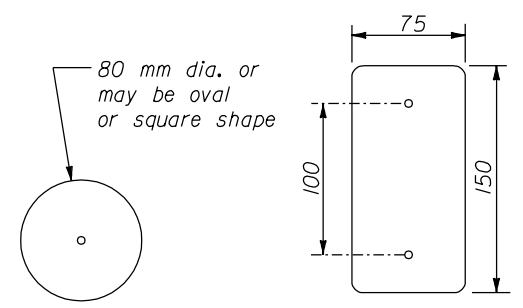
**METHOD OF STAKING DECIDUOUS TREES UNDER 3.6 m**

**NOTE:**

1. Approved commercial plant ties may be used in lieu of hose and wire guying.
2. Provide construction grade, rough or dressed Douglas Fir or Pine stakes.
3. Dimensions without units are millimeters.

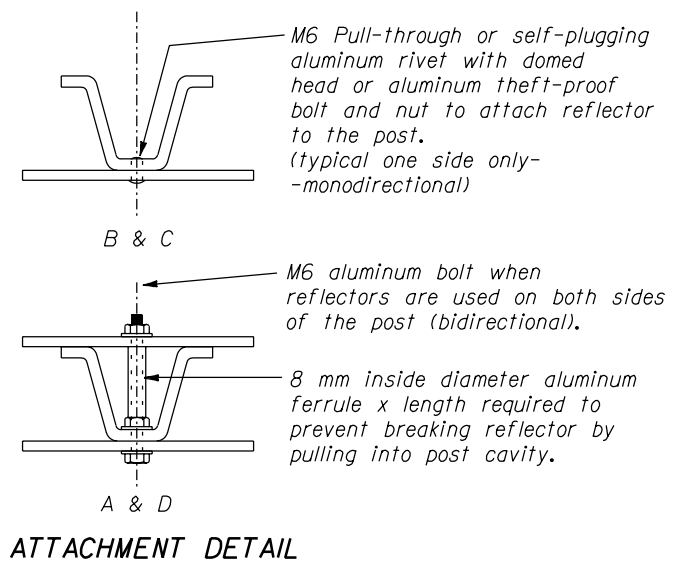
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
<b>TREES AND SHRUBS PLANTING METHODS</b>	
DETAIL APPROVED FOR USE 12/2006	DETAIL WM626-1
REVISED:	

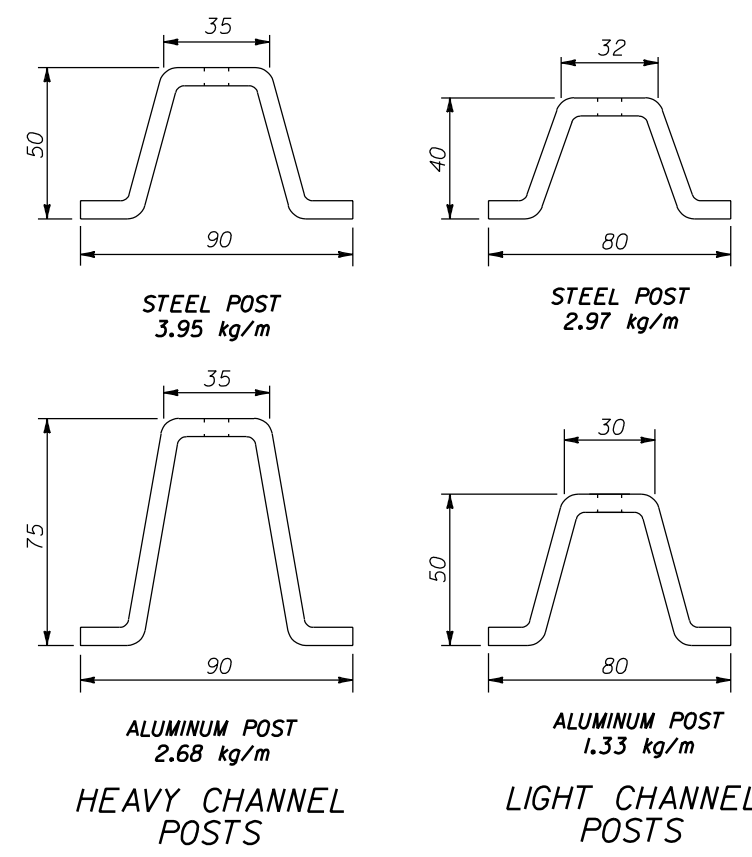


**REFLECTOR DETAILS**

DELINEATION MARKER REFLECTOR		
TYPE	COLOR OF REFLECTOR	REFLECTORIZED
A	White	Front & Rear
B	White	Front
C	Yellow	Front
D	Yellow	Front & Rear



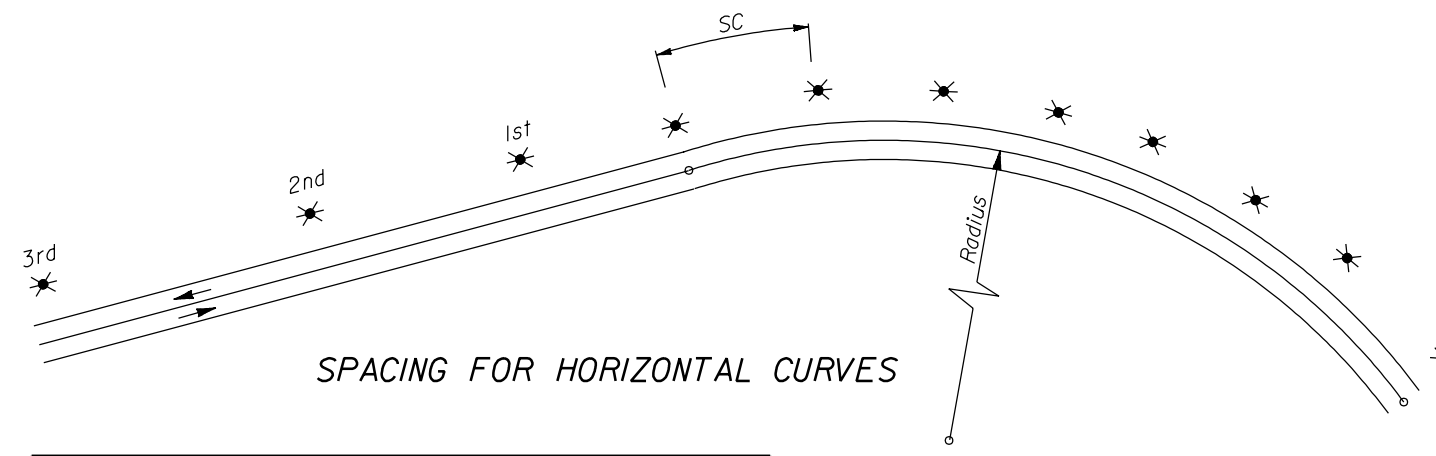
**ATTACHMENT DETAIL**



**HEAVY CHANNEL POSTS**      **LIGHT CHANNEL POSTS**

**NOTE:**

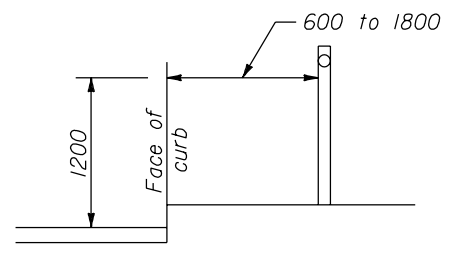
- Dimensions not labeled are in millimeters.
- Vary the post spacing up to 1/8 of the spacing to clear driveways, cross roads, intersections or ramps. Eliminate the post if the variation is exceeded.
- Dimensions of channel posts shown indicate general design only and may vary slightly among the manufacturers.
- Rectangular 75 x 150 mm reflectors may be used in lieu of double disk if required.
- Offset delineators 600 mm unless otherwise shown.
- Delineator reflector colors shall be as shown on the plans.
- Spacing on tangents should be 150 m±. Maximum spacing is 160 m.
- When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.
- On two way roads, stagger markers on opposite sides of the road.
- Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.



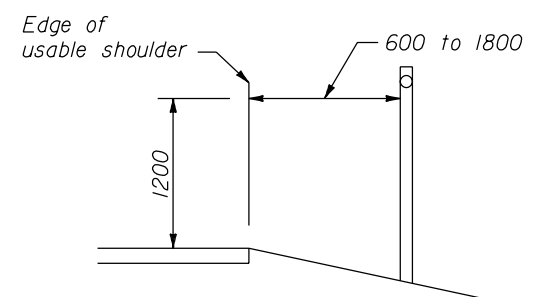
**SPACING FOR HORIZONTAL CURVES**

RADIUS OF CURVE IN METERS	HORIZONTAL CURVES			
	SPACING ON EACH SIDE OF ROADWAY IN METERS			
	ON CURVE *	IN ADVANCE OF & BEYOND CURVE		
		1st SPACE	2nd SPACE	3rd SPACE
3000	90	90	90	90
1500	64	90	90	90
1200	57	90	90	90
900	49	90	90	90
600	40	80	90	90
300	28	56	84	90
270	26	52	78	90
240	25	50	75	90
210	23	46	69	90
180	22	44	66	90
150	19	38	57	90
120	17	34	51	90
90	14	28	42	84
75	13	26	39	78
60	11	22	33	66
45	9	18	27	54
30	6	12	18	36
25	6	12	18	36

\* Spacing for specific radii not shown may be interpolated from the formula: Spacing = 1.65 √R-15. The minimum spacing should be 6 m and not exceed 90 m.

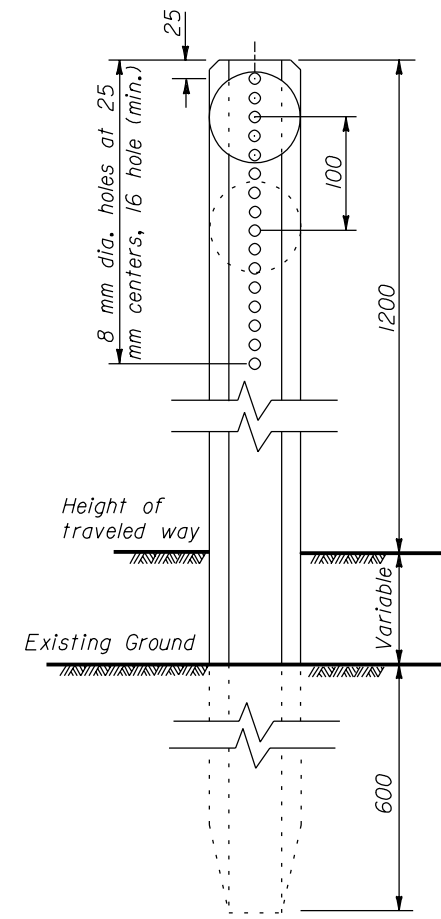


**WITH CURB**

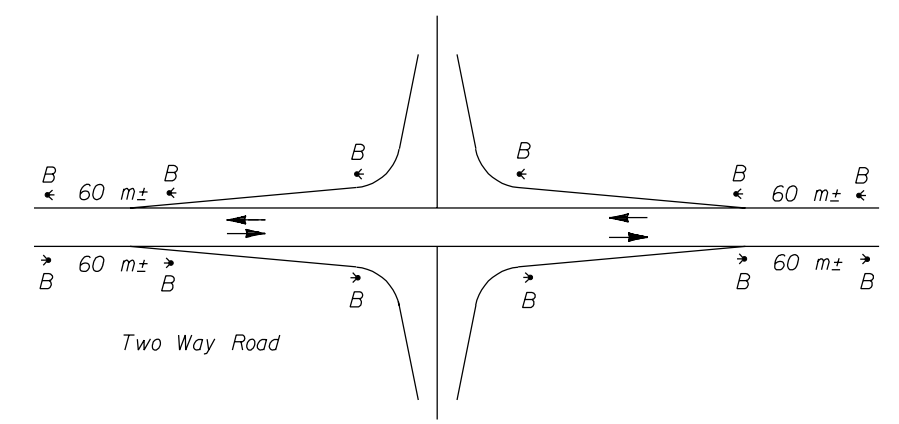


**WITHOUT CURB**

**TYPICAL INSTALLATION**



**POST DETAIL**



**ROAD INTERSECTIONS**

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL**

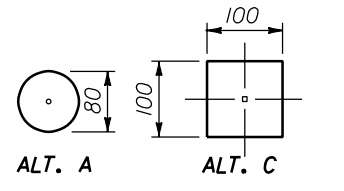
**TRAFFIC DELINEATORS  
 ALASKA PROJECTS**

DETAIL APPROVED FOR USE 3/1996

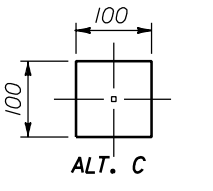
REVISIONS:

DETAIL  
**WM633-1**

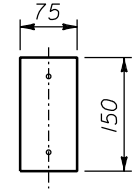
NO SCALE



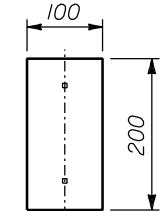
ALT. A



ALT. C



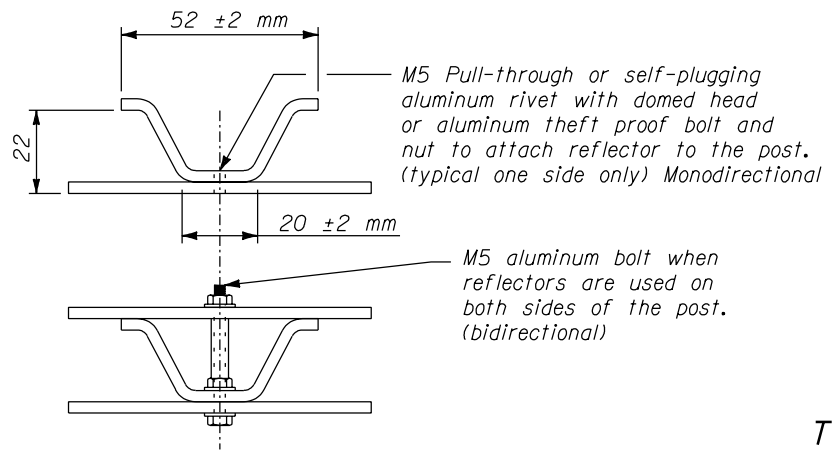
ALT. B



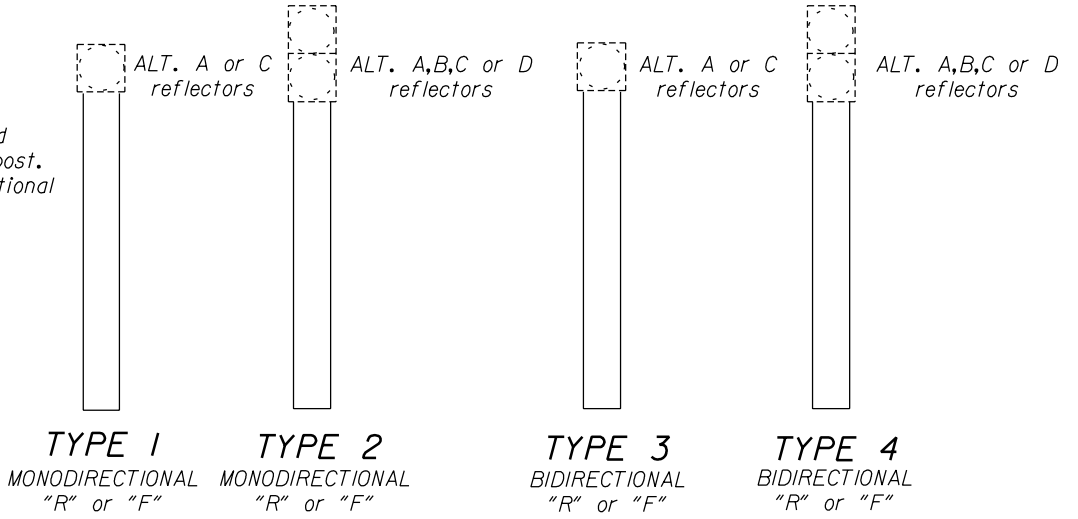
ALT. D

Acrylic plastic lens reflectors enclosed in alum. housing (Alt. A & B)

Retroreflective sheeting reflectors mounted on aluminum target plate (Alt. C & D)



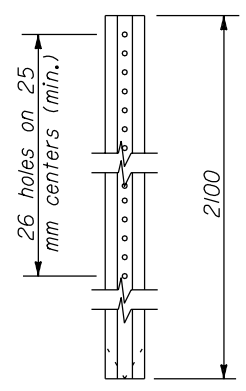
ATTACHMENT DETAIL For "R" post



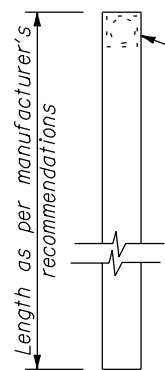
DELINEATORS

NOTE:

- Dimensions not labeled are in millimeters.
- Where delineators is used only on curves, place three delineators before and after the circular portion of the curve.
- Install delineators located behind beam guardrail so that the delineator post is adjacent to the trailing edge of the nearest guardrail post. (See typical installation with beam type guardrail).
- If horizontal and vertical curves are combined, use the more restrictive spacing.
- Where delineators are used on tangents, space the delineators at 160 meters. Begin the tangent spacing beyond the spacing requirements for horizontal and vertical curves.
- The delineators shall be designated, example: Type IR or Type IF, etc.  
POST DETAIL:  
"R"= Rigid steel or aluminum  
"F"= Flexible, self erecting or yielding.
- When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.
- Vary the post spacing up to 1/8 of the spacing shown to clear driveways, cross roads, intersections or ramps. Eliminate the post if the variation is exceeded.
- Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.

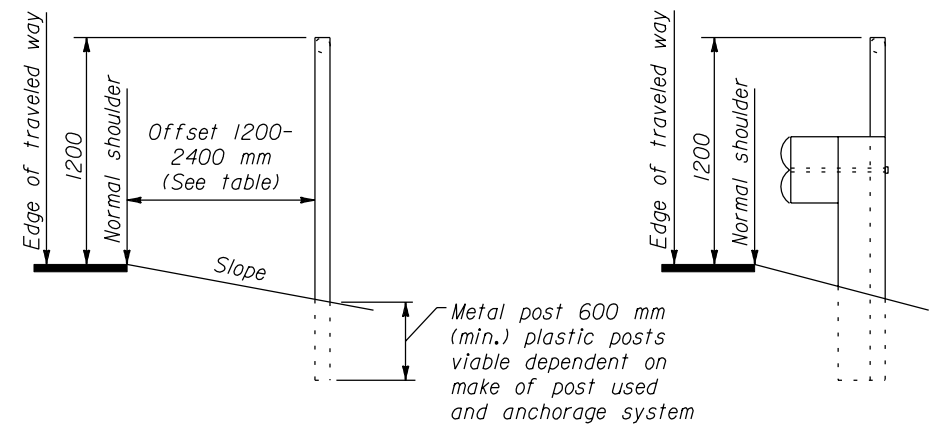


RIGID STEEL OR ALUMINUM (ALL HOLES 6.5 mm DIAMETER)



POST DETAIL "F" FLEXIBLE, SELF ERECTING OR YIELDING

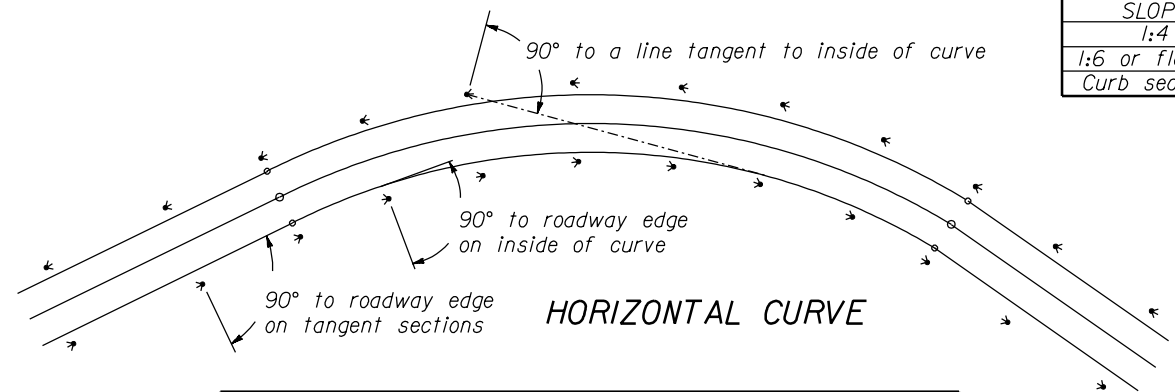
Reflectors mounted per manufacturer's specifications



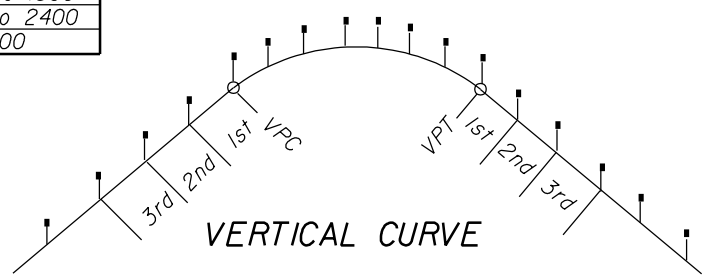
TYPICAL INSTALLATION

TYPICAL INSTALLATION WITH BEAM TYPE GUARD RAIL

LATERAL PLACEMENT TABLE	
SLOPE	OFFSET
1:4	1200 to 1800
1:6 or flatter	1800 to 2400
Curb section	1800



HORIZONTAL CURVE



VERTICAL CURVE

HORIZONTAL CURVES				
RADIUS OF CURVE	SPACING ON EACH SIDE OF ROADWAY IN METERS			
	ON CURVE	BEYOND PCS, PSC, PC or PT		
		1st SPACE	2nd SPACE	3rd SPACE
>2000	90	160	160	160
450-2000	45	90	160	160
150-445	30	60	90	160
75-145	25	45	60	160
<75	15	30	45	90

CREST VERTICAL CURVES						
K	SPACING ON EACH SIDE OF ROADWAY IN METERS					
	ON CURVE	BEYOND VPC or VPT				
		1st SPACE	2nd SPACE	3rd SPACE	4th SPACE	5th SPACE
OVER - 165	160	160	160	160	160	160
120 - 164	90	160	160	160	160	160
60 - 119	60	90	160	160	160	160
30 - 59	30	45	60	90	160	160
15 - 29	25	30	45	60	90	160
0 - 14	15	25	30	45	60	90

where: L=length of vertical curve in meters  
A=Algebraic change of grade in percent

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

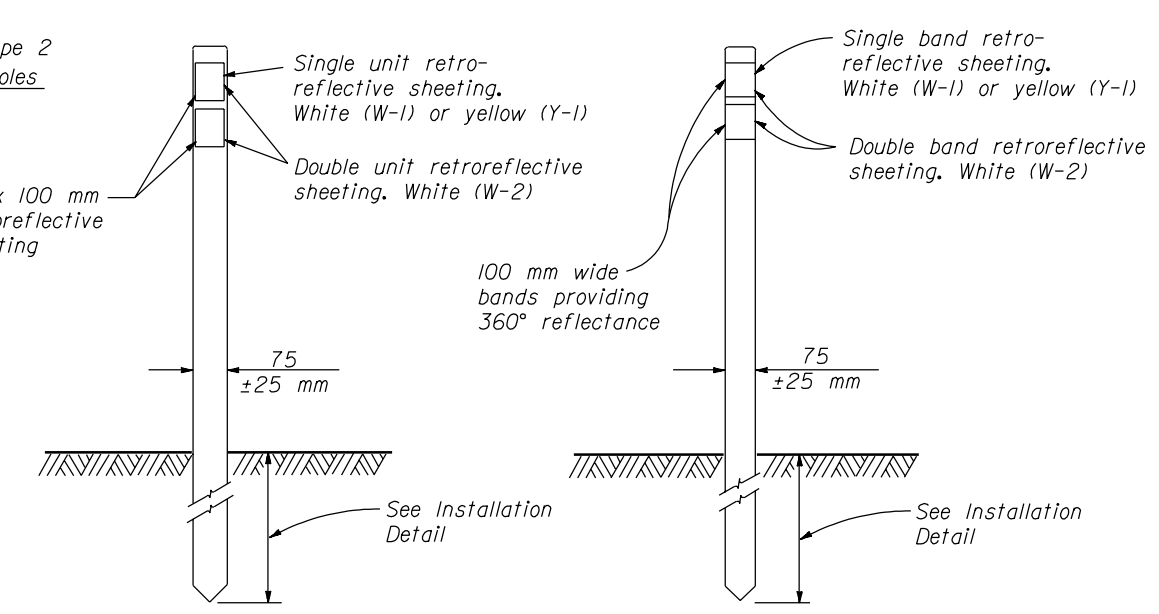
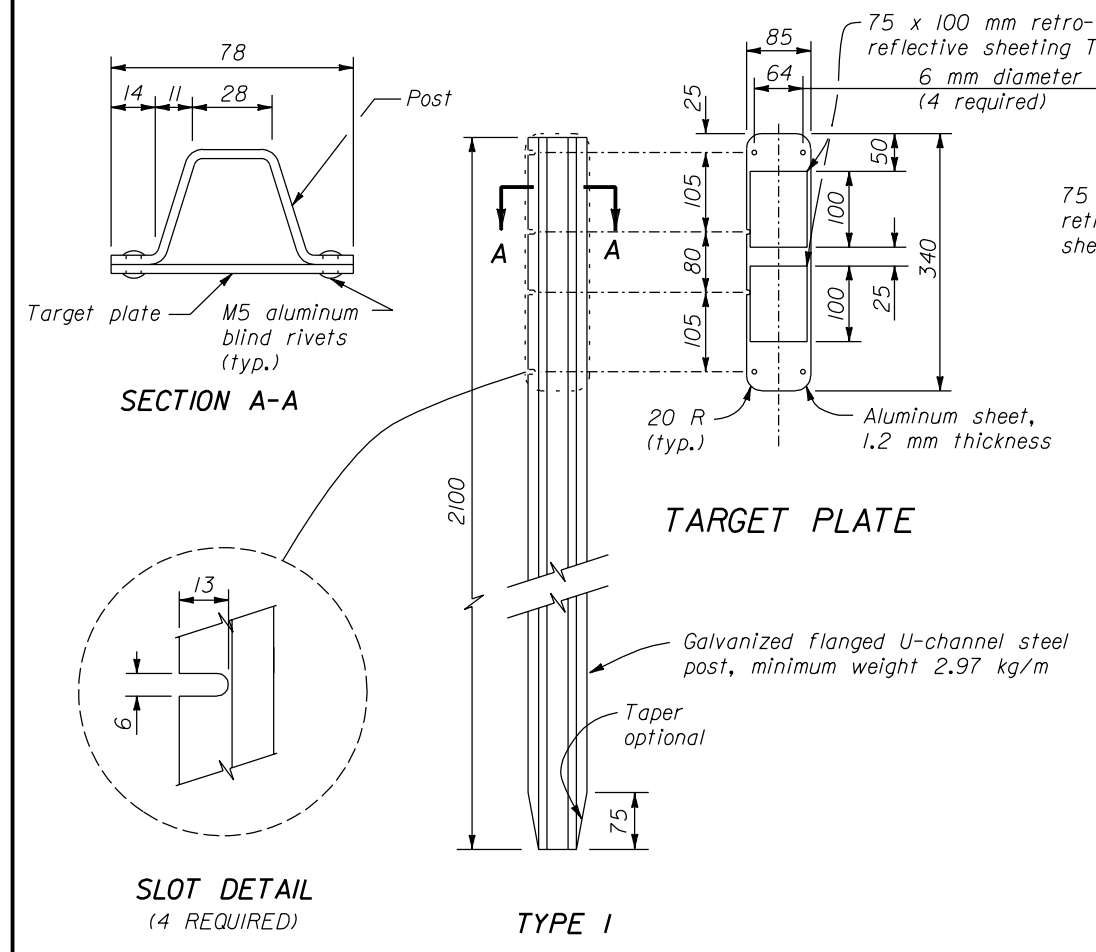
**METRIC DETAIL**

**TRAFFIC DELINEATORS  
IDAHO PROJECTS**

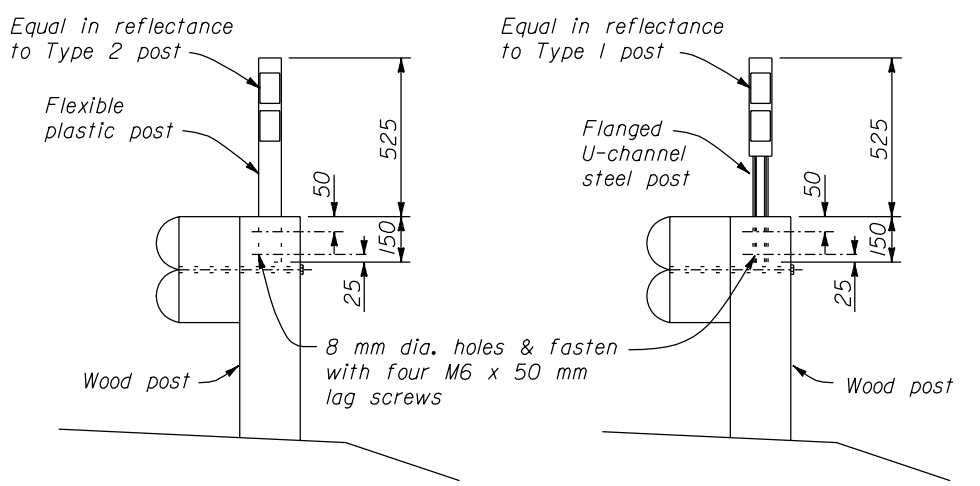
DETAIL APPROVED FOR USE 3/1996

REVISID: \_\_\_\_\_

DETAIL  
**WM633-4**



- NOTE:**
- Dimensions not labeled are in millimeters.
  - Place delineators nearly opposite each other on horizontal curves.
  - Install all delineators with reflectors facing adjacent on-coming traffic.
  - Install delineators behind the rail at guardrail locations.
  - Offset delineators a minimum distance of 1200 mm in areas of heavy snow removal operations.
  - On roads with less than 500 ADT, use delineators only where situations such as sharp vertical or horizontal curves, or other undesirable geometrics exist.
  - Vary the post spacing up to 1/8 of the spacing shown to clear driveways, cross roads, intersections or ramps. Eliminate the post if the variation is exceeded.
  - When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.
  - If horizontal and vertical curves are combined, use the more restrictive spacing.
  - Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when metric sizes are not available.



**ALTERNATE 1** **ALTERNATE 2**  
**TYPE 4**  
**PLASTIC OR STEEL POST INSTALLATION**  
**WITH BEAM TYPE GUARDRAIL**

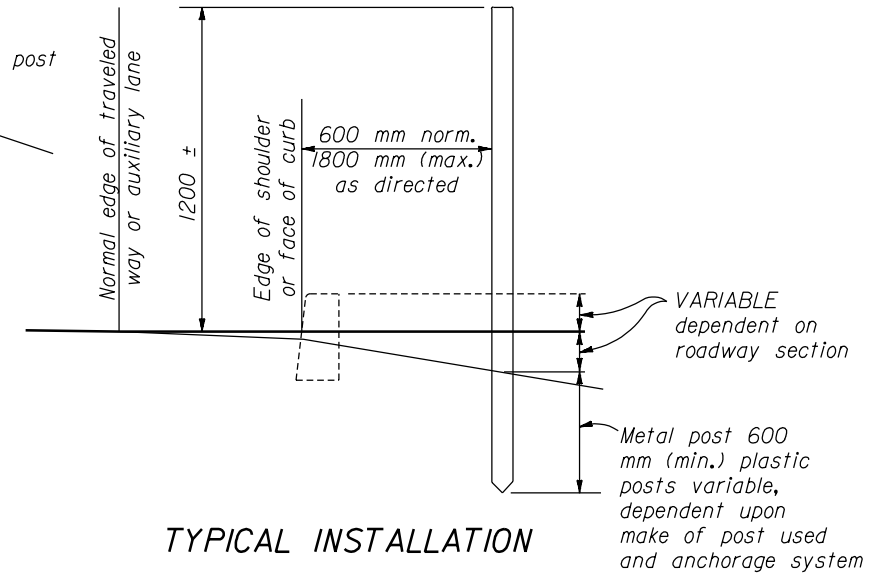
REFLECTOR TYPE	HIGHWAY	SPACING EACH SIDE
W-1	Divided	• 120 m
W-1	Undivided	• 120 m
W-2	See channelized and flared plans	
Y-1	See interchange ramp plans	

TYPE	COLOR OF REFLECTOR AND TARGET OR POST	NUMBER OF REFLECTORS
W-1	White	1
W-2	White	2
Y-1	Yellow	1

\* For variations on HORIZONTAL CURVE and CREST VERTICAL CURVES, See tables below.

ALGEBRAIC DIFFERENCE IN GRADE (%)	VERTICAL CURVE LENGTH IN METERS										
	30	60	90	120	150	180	240	300	375	450	600
	SPACING EACH SIDE OF ROADWAY IN METERS										
0.5	65	90	120	120							
1.0	45	70	85	100	115	120					
1.5	35	55	70	80	90	100	120	120			
2.0	30	45	60	70	80	90	100	115	120		
2.5		40	50	60	70	75	90	100	115	120	
3.0		35	45	55	60	65	80	90	100	115	120
4.0		30	35	45	50	60	70	80	90	95	100
5.0			35	40	45	50	60	70	75	80	90
6.0			30	35	40	45	55	60	70	75	80
7.0				30	35	40	50	55	60	70	75
9.5					30	35	40	45	50	60	70
12.0						30	35	40	45	50	60

RADIUS OF CURVE	SPACING ON EACH SIDE OF ROADWAY IN METERS		
	ON CURVE	IN ADVANCE OF & BEYOND CURVE	
		FIRST SPACE	SECOND SPACE
2000	90	120	120
900	65	115	120
600	50	95	120
450	45	80	120
350	40	70	120
290	35	60	105
220-250	30	55	90
175-200	25	50	80
145-160	25	45	75
100-135	20	40	65
70-95	18	35	55
65 & less	15	30	45



**TYPICAL INSTALLATION**

NO SCALE

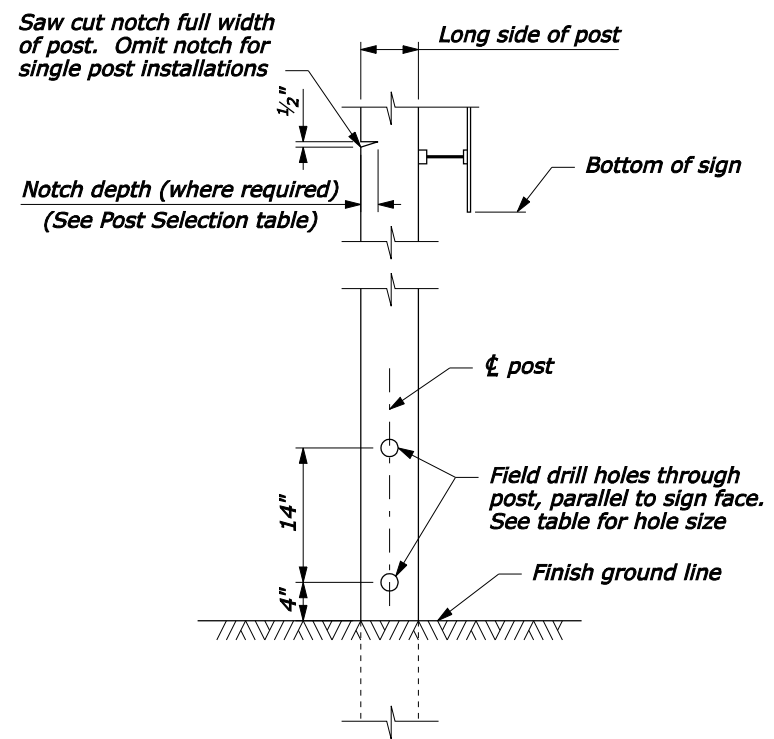
U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL**

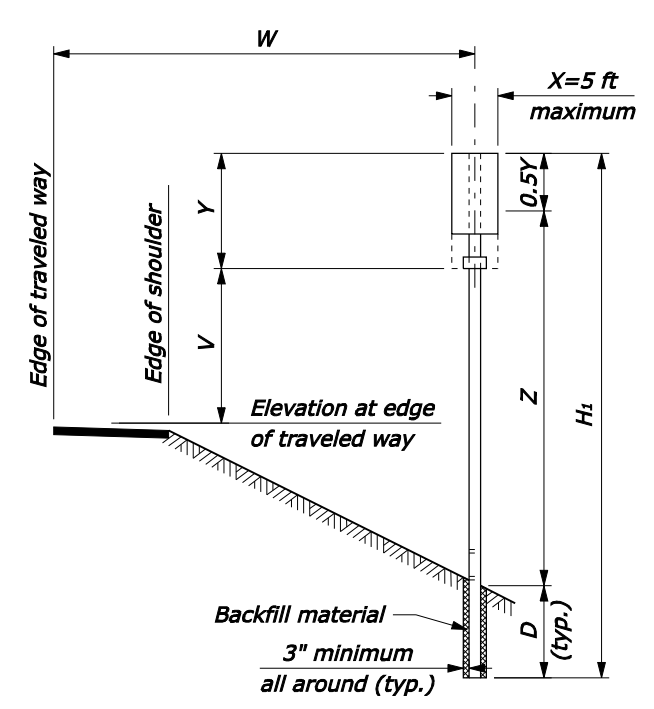
**TRAFFIC DELINEATORS**  
**OREGON PROJECTS**

DETAIL APPROVED FOR USE 3/1996  
 REVISIONS: \_\_\_\_\_

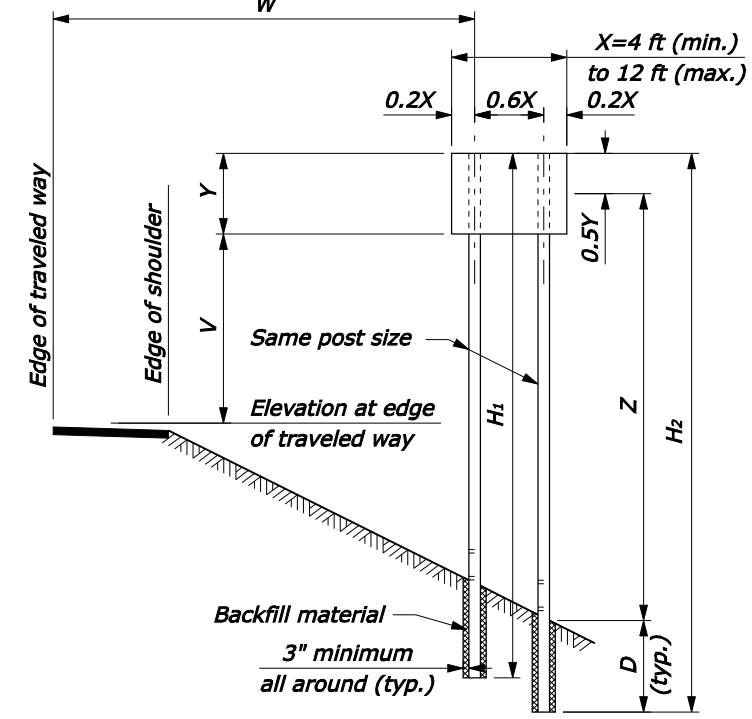
DETAIL  
**WM633-5**



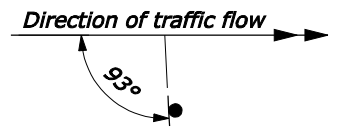
**POST DETAIL**



**SINGLE POST SIGNS**



**TWO POST SIGNS**

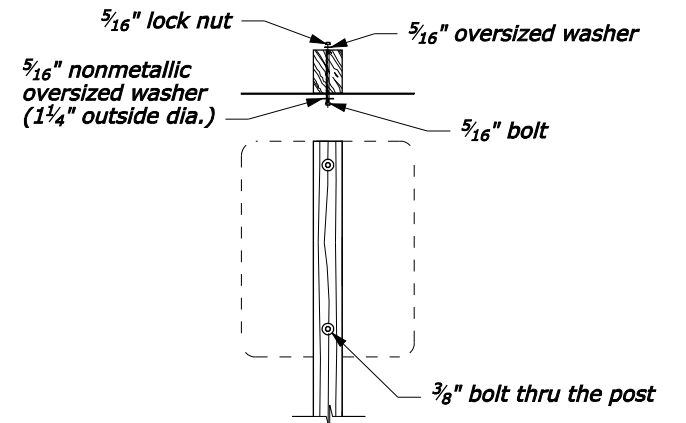


**SIGN INSTALLATION ANGLE**  
For all retroreflectorized signs where W > 25'

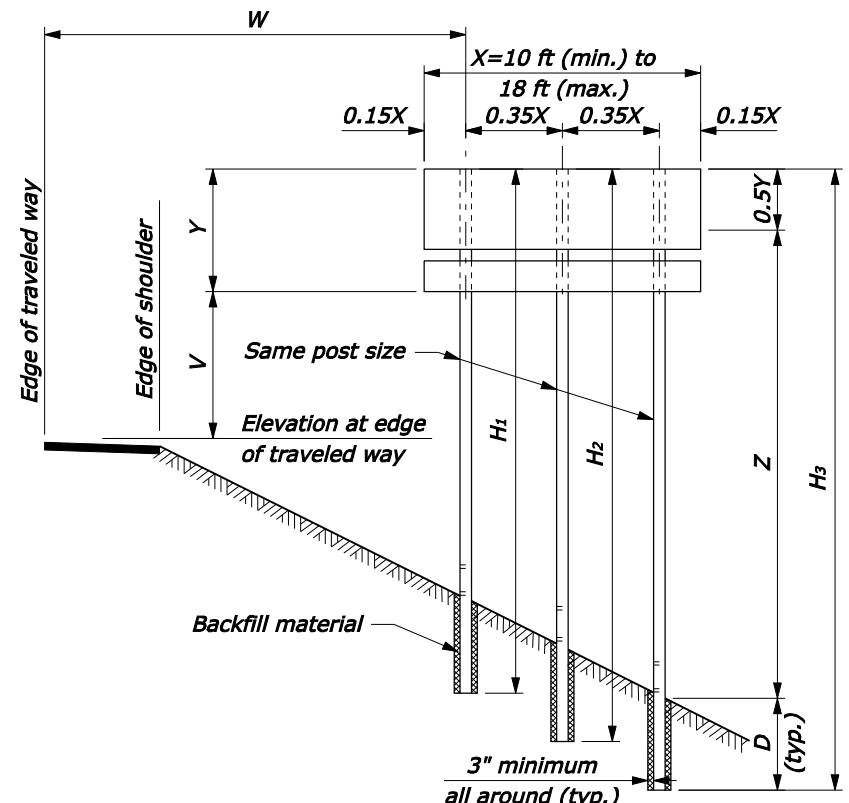
MINIMUM DISTANCE TO SIGN		
Location	Lateral Offset (W)	Mounting Height (V)
Rural Districts	6 ft	5 ft
Business or Residence Districts	2 ft from curb	7 ft

V may be reduced by 1 foot in rural districts for a secondary sign mounted below another sign.

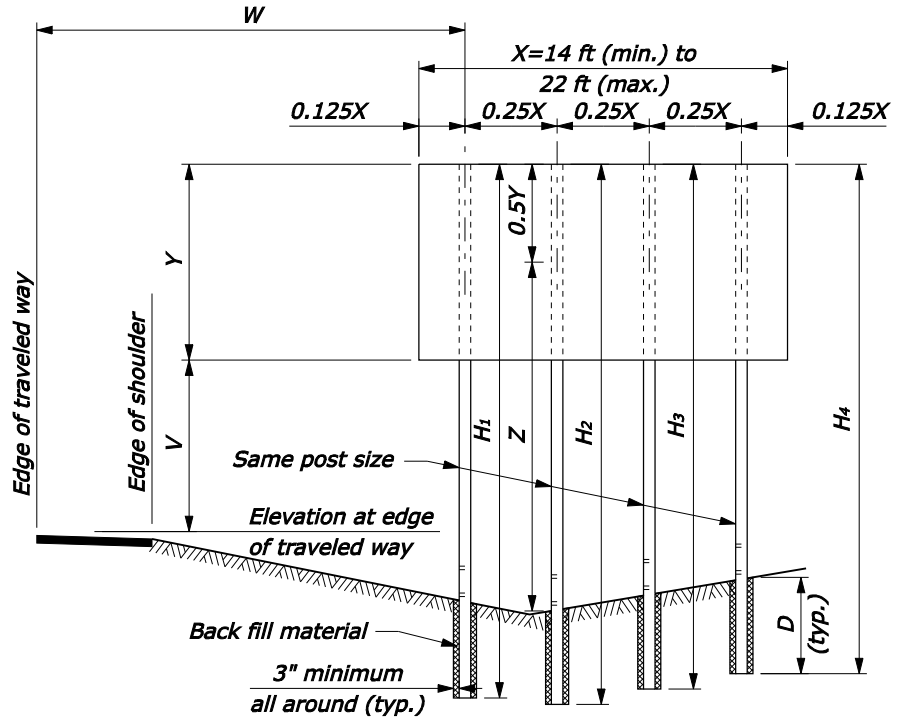
- NOTE:**
- Traffic barrier protection is required for all posts larger than 6" x 8" when located within the clear zone or if the post is vulnerable to being struck when placed outside the clear zone.
  - H<sub>1</sub> thru H<sub>4</sub> indicate overall post length. Select post lengths to fit field conditions.
  - D is the minimum post embedment depth for average soil conditions. See Wood Post Selection Table below.
  - Z is the height from ground line to mid-height of sign at the longest post.
  - For the purpose of post selection X and Y are as follows:
    - Single sign, or back to back signs: X and Y are the overall dimensions of the signs.
    - Multiple sign installations: X and Y are the dimensions of a rectangle enclosing all the signs.



**TYPICAL MOUNTING FOR SIGNS WITHOUT ANGLES**



**THREE POST SIGNS**



**FOUR POST SIGNS**

POST SIZE (inch)	NUMBER OF POSTS				D	Notch depth and hole diameter
	1	2	3	4		
4 x 4	80	155	235	310	3'-0"	-
4 x 6	180	385	545	725	4'-0"	1 3/4"
6 x 6	235	475	710	950	4'-0"	1 3/4"
6 x 8	300	850	1280	1700	4'-0"	2 1/2"
6 x 10	385	1180	1170	2360	5'-0"	-
8 x 10	575	1610	2410	3215	5'-0"	-
8 x 12	775	2310	3465	4620	6'-0"	-

Values shown are the maximum permitted. If the product of XYZ exceeds the limit for the largest post, use steel post installation.

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

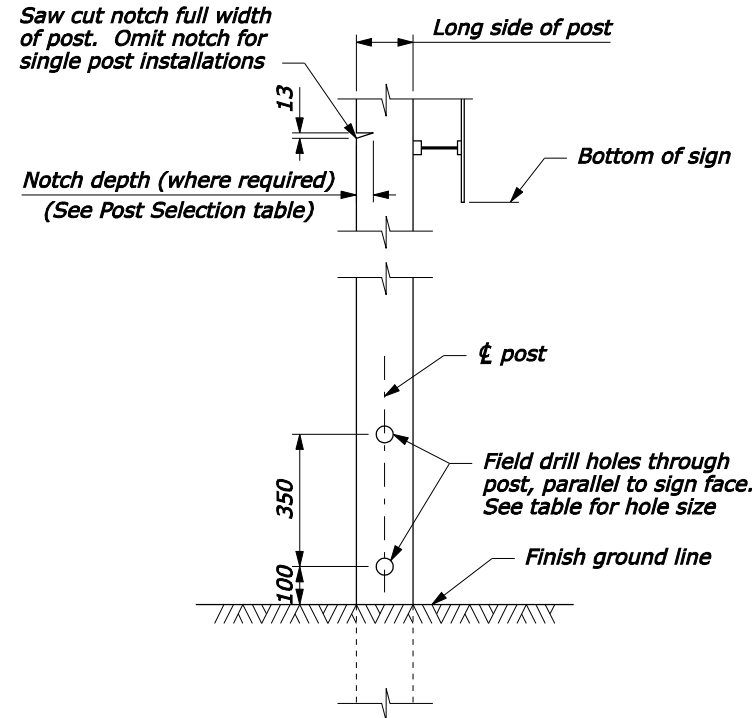
U.S. CUSTOMARY DETAIL  
**PERMANENT SIGN INSTALLATION WOOD POSTS**

DETAIL APPROVED FOR USE -/---

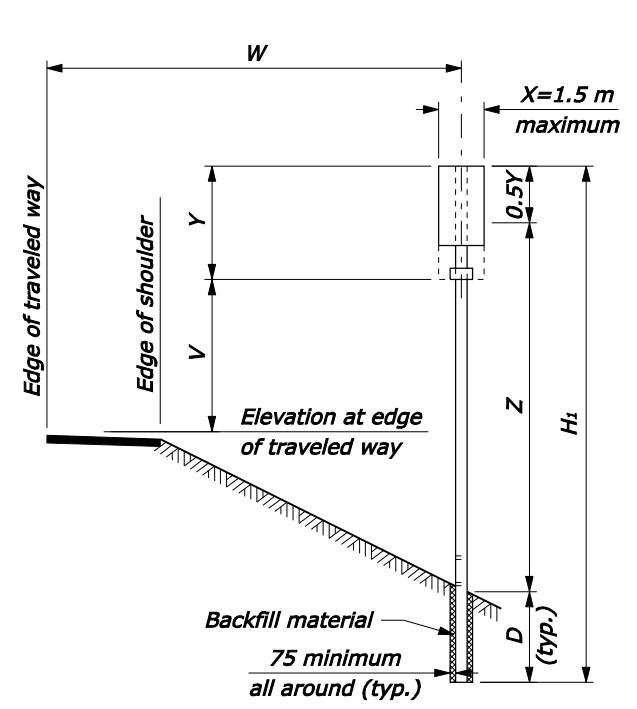
REVISID: 2/1998  
DRAFT: 1/2007

DETAIL  
**W633-7**

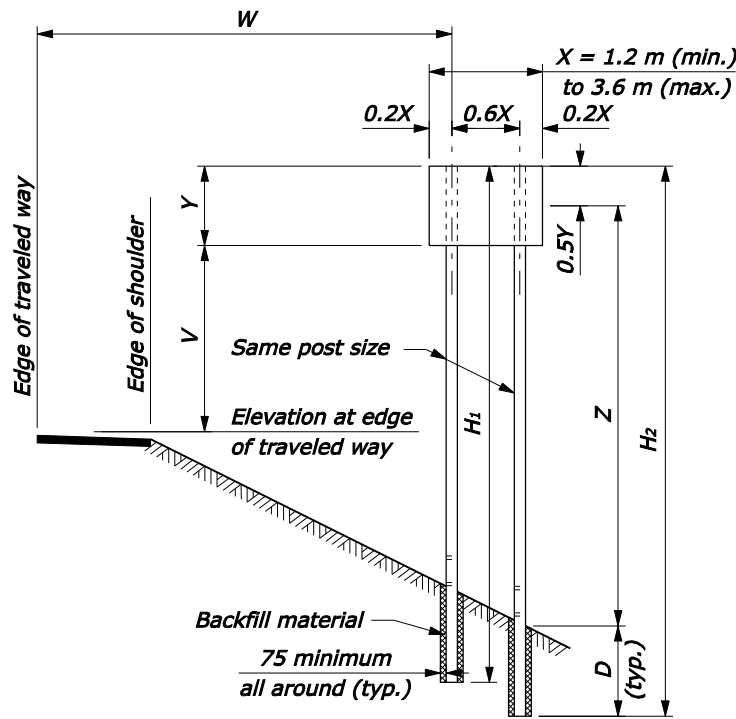




**POST DETAIL**



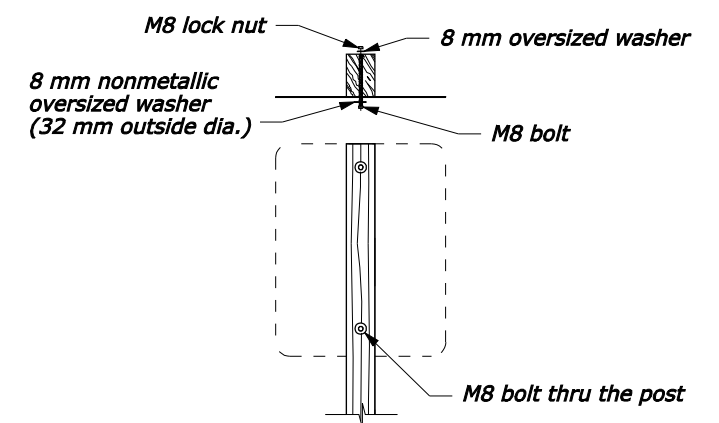
**SINGLE POST SIGNS**



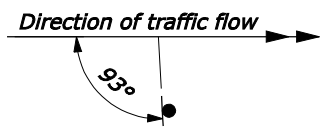
**TWO POST SIGNS**

**NOTE:**

1. Traffic barrier protection is required for all posts larger than 150 x 200 mm when located within the clear zone or if the post is vulnerable to being struck when placed outside the clear zone.
2. H<sub>1</sub> thru H<sub>4</sub> indicate overall post length. Select post lengths to fit field conditions.
3. D is the minimum post embedment depth for average soil conditions. See Wood Post Selection Table below.
4. Z is the height from ground line to mid-height of sign at the longest post.
5. For the purpose of post selection X and Y are as follows:
  - Single sign, or back to back signs: X and Y are the overall dimensions of the signs.
  - Multiple sign installations: X and Y are the dimensions of a rectangle enclosing all the signs.
6. Dimensions without units are millimeters.



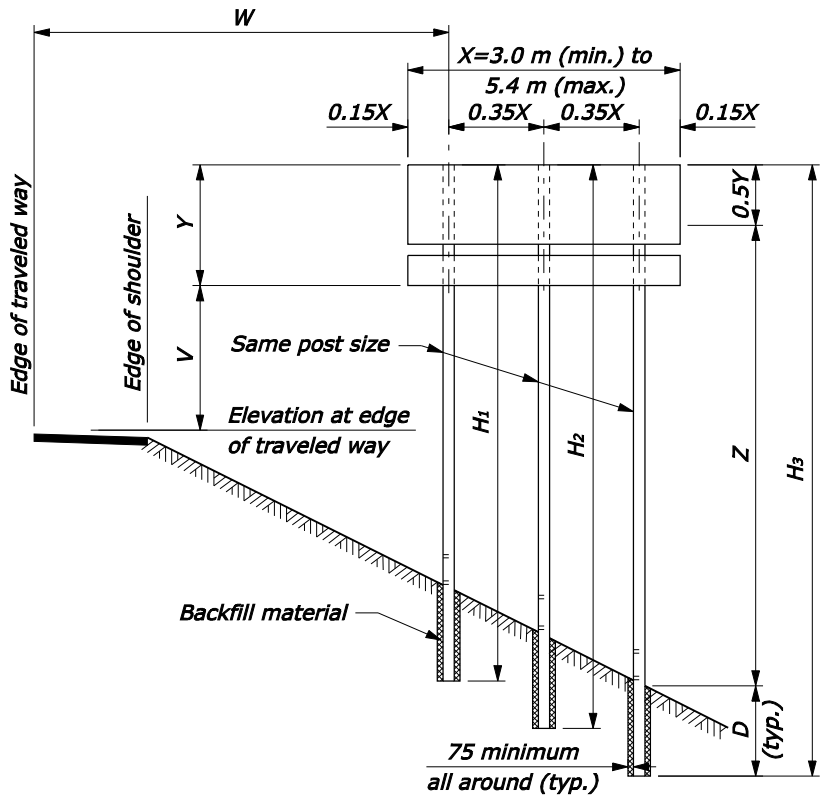
**TYPICAL MOUNTING FOR SIGNS WITHOUT ANGLES**



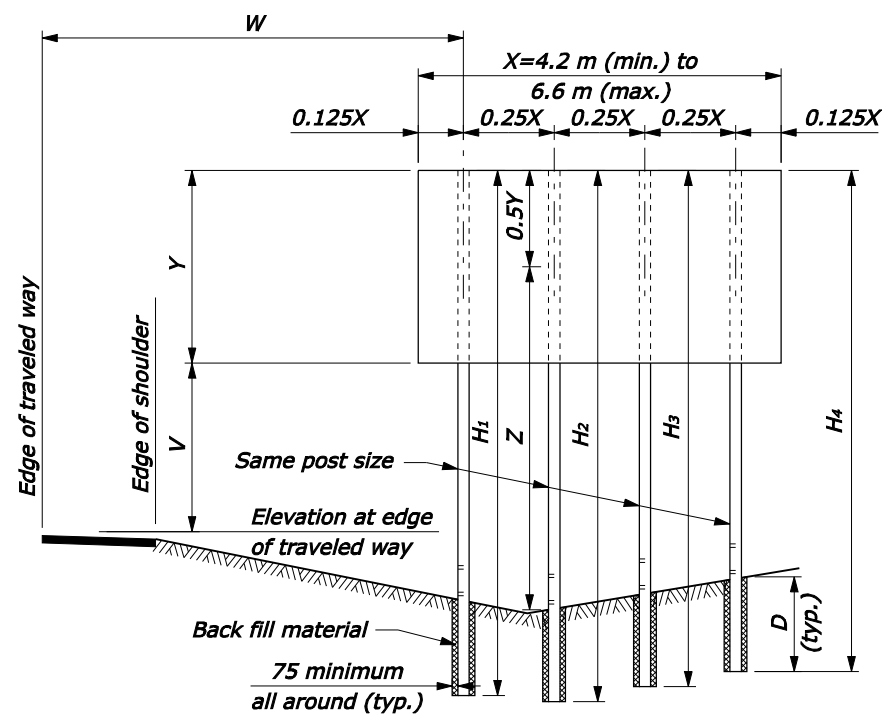
**SIGN INSTALLATION ANGLE**  
For all retroreflectorized signs where W > 7.5 m

MINIMUM DISTANCE TO SIGN		
Location	Lateral Offset (W)	Mounting Height (V)
Rural Districts	1.8 m	1.5 m
Business or Residence Districts	0.6 m from curb	2.1 m

V may be reduced by 0.3 m in rural districts for a secondary sign mounted below another sign.



**THREE POST SIGNS**



**FOUR POST SIGNS**

POST SIZE (mm)	NUMBER OF POSTS				D (m)	Notch depth and hole diameter
	1	2	3	4		
100 x 100	2.2	4.3	6.6	18.7	0.9	-
100 x 150	5.0	10.8	15.3	20.3	1.2	45 mm
150 x 150	6.6	13.3	19.9	26.6	1.2	45 mm
150 x 200	8.4	23.8	35.8	47.6	1.2	65 mm
150 x 250	10.8	33.0	49.6	66.1	1.5	-
200 x 250	16.1	45.1	67.5	90.0	1.5	-
200 x 300	21.7	64.7	97.0	129.4	1.8	-

Values shown are the maximum permitted. If the product of XYZ exceeds the limit for the largest post, use steel post installation.

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL**

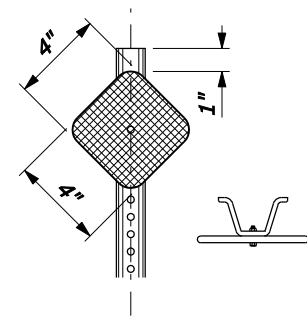
**PERMANENT SIGN INSTALLATION WOOD POSTS**

DETAIL APPROVED FOR USE --/----

REVISED: 2/1998 3/1999  
DRAFT: 10/2007

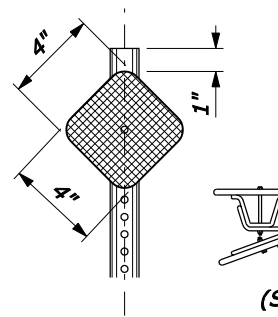
DETAIL WM633-7

NO SCALE



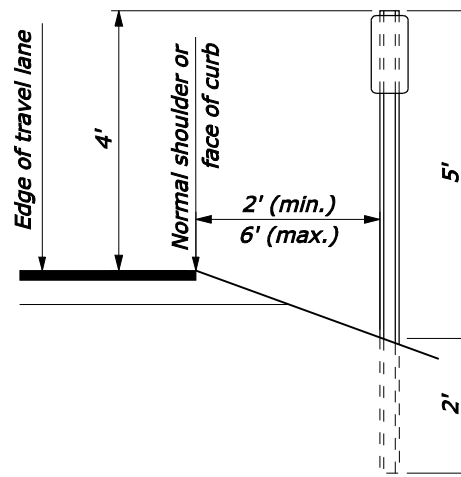
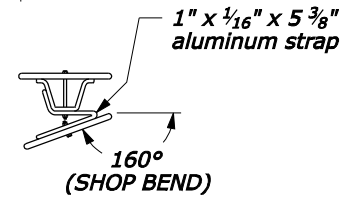
**DESIGN A**  
(WHITE)

Use for delineation on tangents and on curves with  $R > 1500'$ .

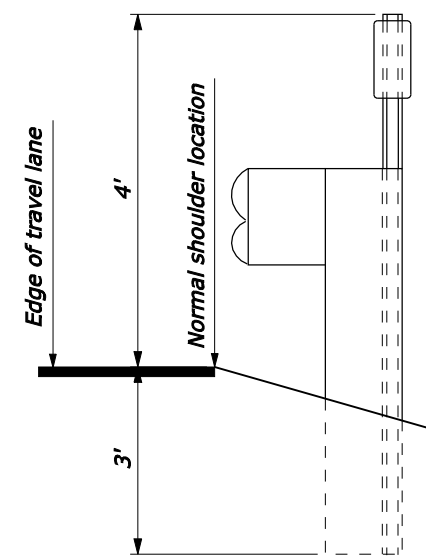


**DESIGN C**  
(WHITE)

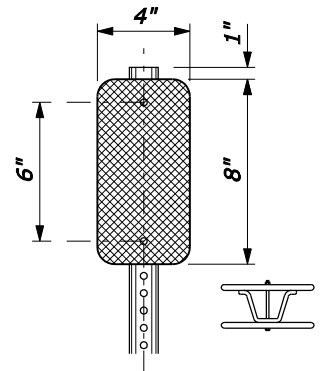
Use on curves with  $R \leq 575'$



**TYPICAL INSTALLATION**

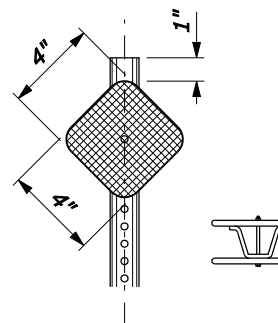


**TYPICAL INSTALLATION WITH BEAM TYPE GUARD RAIL**



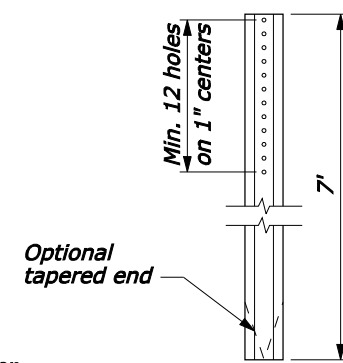
**DESIGN D**  
(YELLOW)

Use at approaches with Stop or Yield signs.

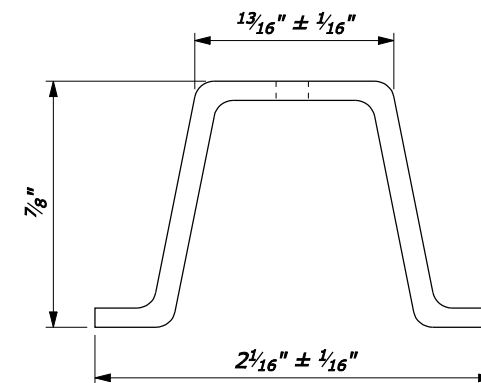


**DESIGN F**  
(WHITE)

Use for curves with  $R > 575'$  and  $R \leq 1500'$ .

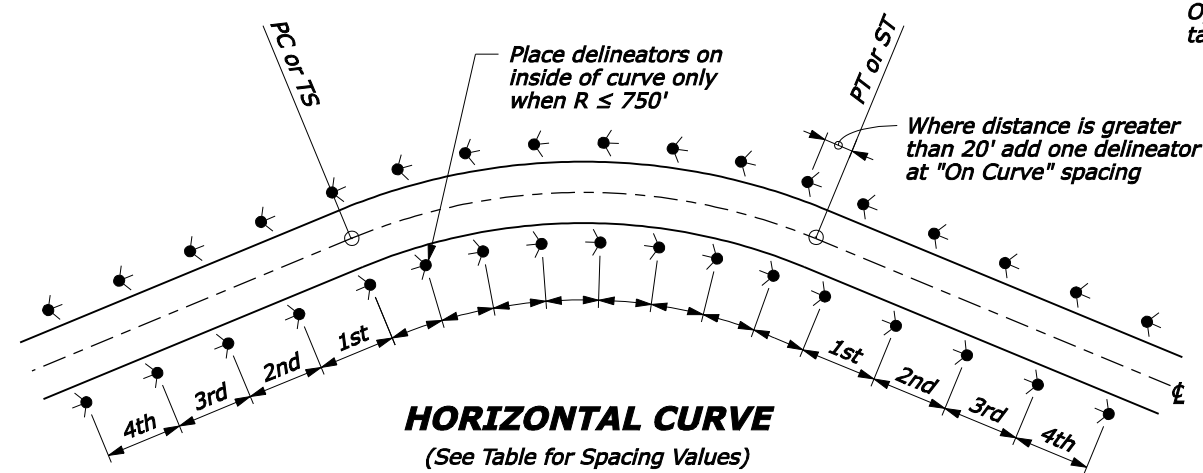


**DELINEATOR POST DETAILS**  
Rigid Steel or Aluminum

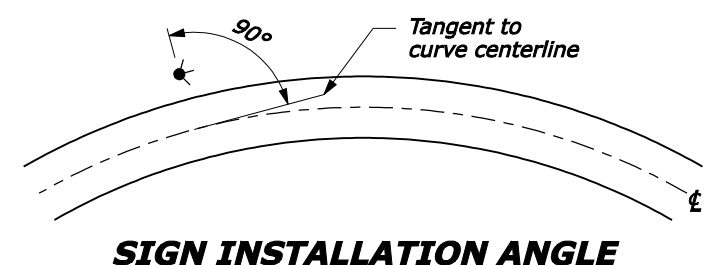


**NOTE:**

- When the contract does not include the final surfacing, allow for the thickness of the final pavement structure when establishing the elevation of the traffic delineators.
- Place delineators at a constant clearance distance from the edge of pavement except where guardrail or other obstructions interfere. Align delineators with the inside edge of obstruction. Install delineators located behind beam guardrail so that the delineator post is adjacent to the trailing edge of the nearest guard rail post. (See typical installation with beam type guard rail).
- When a delineator falls within a cross road or approach, the delineator may be moved in either direction a distance not to exceed one quarter of the normal spacing. Eliminate the post if this allowance is exceeded.
- Mount delineators on metal posts with 3/16 inch cadmium plated bolt(s). Drill or punch a minimum of twelve 3/8 inch diameter holes on 1-inch centers from the top of the post. 3/8 inch square holes may be used with large-headed bolt or an appropriate washer. Jam threads after tightening the nut to prevent removal.
- All delineator reflectors have 3/4 inch corner radii.
- Manufacture posts from flanged U-channel sections of steel meeting the requirements of ASTM A 36 and weighing not less than 1.25 pounds per foot or aluminum meeting the requirements of ASTM B 221, Alloy 6061-T6, with a minimum thickness of 0.125 inches. After fabrication galvanize steel posts in accordance with ASTM A 123.
- When a route has a current ADT of 900 or greater, continuously delineate the roadway along the shoulder by means of post mounted reflectors. Spacing on tangent sections is 400 feet.



**HORIZONTAL CURVE**  
(See Table for Spacing Values)



**SIGN INSTALLATION ANGLE**

RADIUS (ft)	SPACING ON CURVE (ft)	SPACING IN ADVANCE OF & BEYOND CURVE (ft)			
		1st SPACE	2nd SPACE	3rd SPACE	4th SPACE
$\geq 5700$	300	400	400	400	400
3000 to < 5700	225	400	400	400	400
2000 to < 3000	160	320	400	400	400
1500 to < 2000	130	260	400	400	400
1000 to < 1500	110	220	330	400	400
700 to < 1000	90	185	275	400	400
500 to < 700	75	150	230	300	400
300 to < 500	60	125	185	300	400
< 300	45	90	140	275	400

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

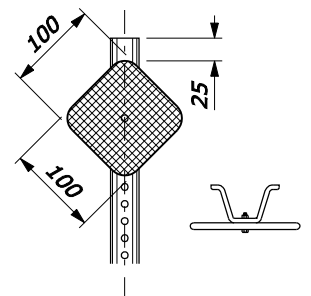
U.S. CUSTOMARY DETAIL

**MONTANA  
DELINEATORS**

DETAIL APPROVED FOR USE 11/2006  
REVISID: 1/2008

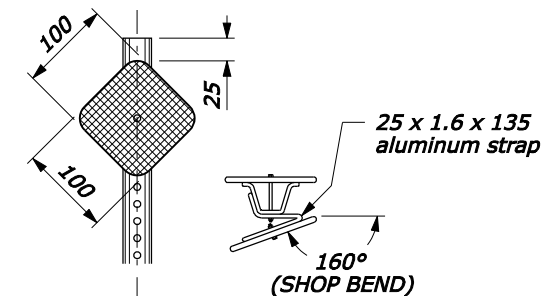
DETAIL  
W633-60

P:\198.145.186.2\std.pln\w63360.dgn [U.S. Customary] 22-Jan-2008 03:55 PM



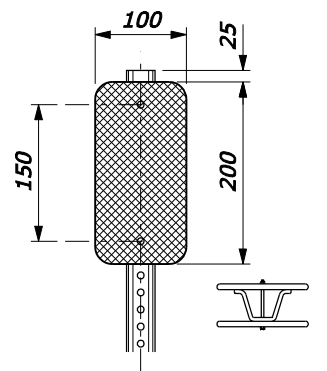
**DESIGN A**  
(WHITE)

Use for delineation on tangents and on curves with  $R > 450$  m.



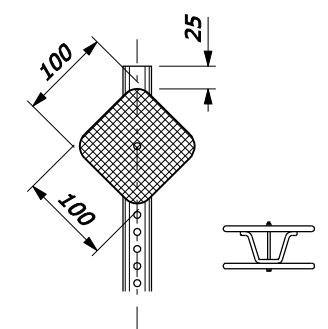
**DESIGN C**  
(WHITE)

Use on curves with  $R \leq 170$  m



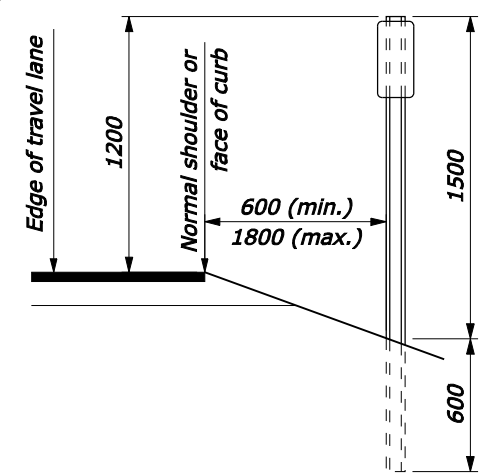
**DESIGN D**  
(YELLOW)

Use at approaches with Stop or Yield signs.

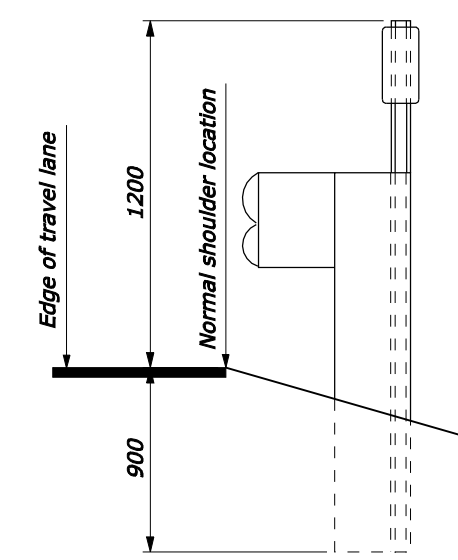


**DESIGN F**  
(WHITE)

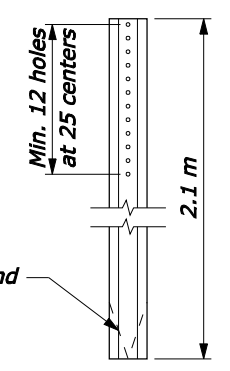
Use for curves with  $R > 170$  m and  $R \leq 450$  m.



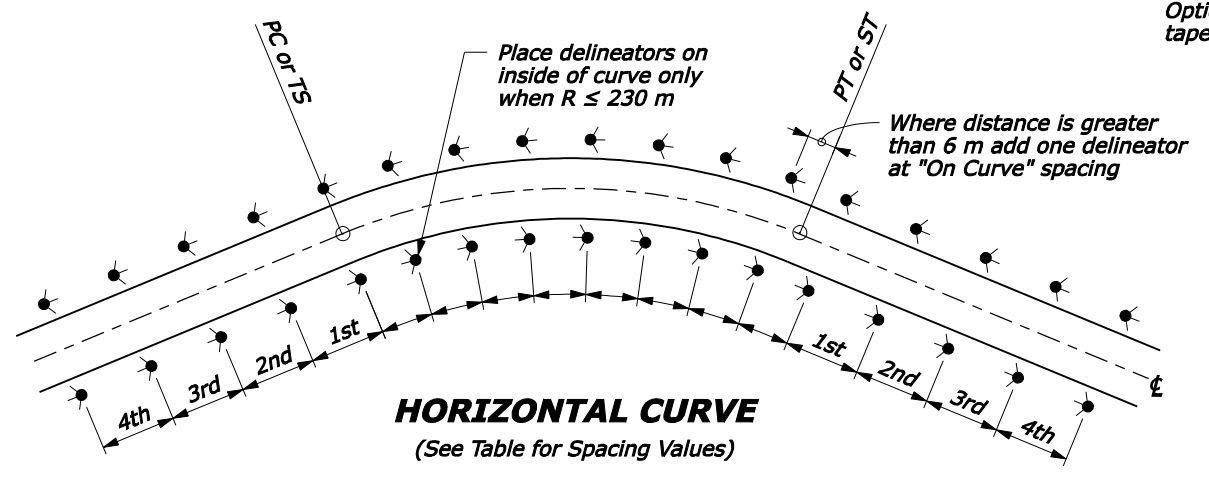
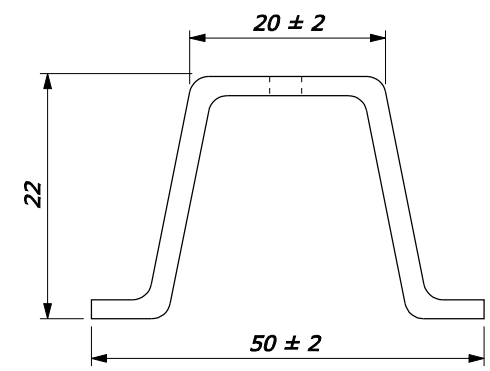
**TYPICAL INSTALLATION**



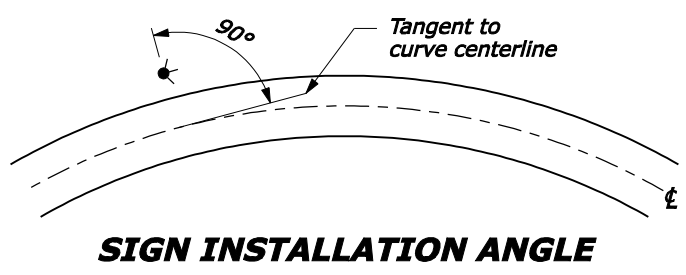
**TYPICAL INSTALLATION WITH BEAM TYPE GUARD RAIL**



**DELINEATOR POST DETAILS**  
Rigid Steel or Aluminum



**HORIZONTAL CURVE**  
(See Table for Spacing Values)



**SIGN INSTALLATION ANGLE**

RADIUS (m)	SPACING ON CURVE (m)	SPACING IN ADVANCE OF & BEYOND CURVE (m)			
		1st SPACE	2nd SPACE	3rd SPACE	4th SPACE
≥ 1750	90	120	120	120	120
900 to < 1750	65	120	120	120	120
600 to < 900	50	95	120	120	120
450 to < 600	40	75	120	120	120
300 to < 450	35	65	100	120	120
200 to < 300	25	55	80	120	120
150 to < 200	20	45	70	90	120
100 to < 150	20	35	55	90	120
< 100	15	25	40	80	120

**NOTE:**

- When the contract does not include the final surfacing, allow for the thickness of the final pavement structure when establishing the elevation of the traffic delineators.
- Place delineators at a constant clearance distance from the edge of pavement except where guardrail or other obstructions interfere. Align delineators with the inside edge of obstruction. Install delineators located behind beam guardrail so that the delineator post is adjacent to the trailing edge of the nearest guard rail post. (See typical installation with beam type guard rail).
- When a delineator falls within a cross road or approach, the delineator may be moved in either direction a distance not to exceed one quarter of the normal spacing. Eliminate the post if this allowance is exceeded.
- Mount delineators on metal posts with M5 cadmium plated bolt(s). Drill or punch a minimum of twelve 9.5 mm diameter holes on 25 mm centers from the top of the post. 9.5 mm square holes may be used with large-headed bolt or an appropriate washer. Jam threads after tightening the nut to prevent removal.
- All delineator reflectors have 20 mm corner radii.
- Manufacture posts from flanged U-channel sections of steel meeting the requirements of ASTM A 36 and weighing not less than 1.86 kilograms per meter or aluminum meeting the requirements of ASTM B 221, Alloy 6061-T6, with a minimum thickness of 3.2 mm. After fabrication galvanize steel posts in accordance with ASTM A 123.
- When a route has a current ADT of 900 or greater, continuously delineate the roadway along the shoulder by means of post mounted reflectors. Spacing on tangent sections is 120 meters
- Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are not available.
- Dimensions without units are millimeters.

NO SCALE

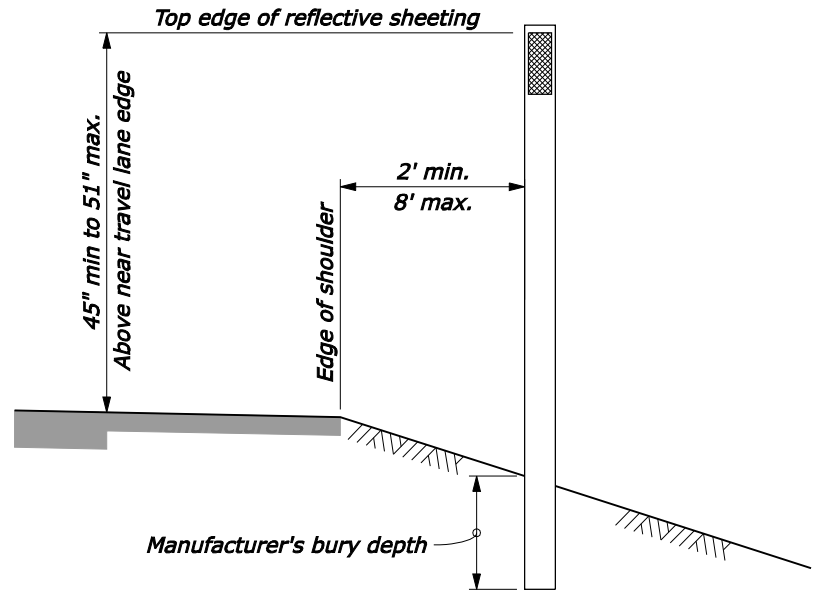
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL**

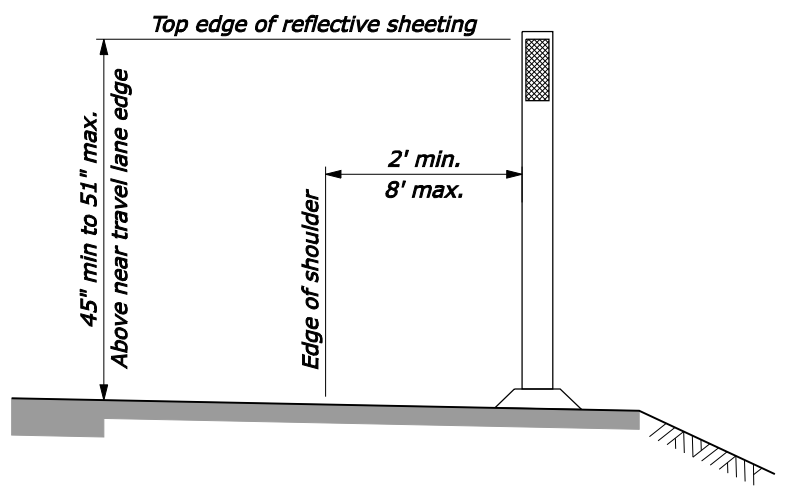
**MONTANA**  
**DELINEATORS**

DETAIL APPROVED FOR USE 11/2006  
REVISED: 1/2008

DETAIL  
WM633-60



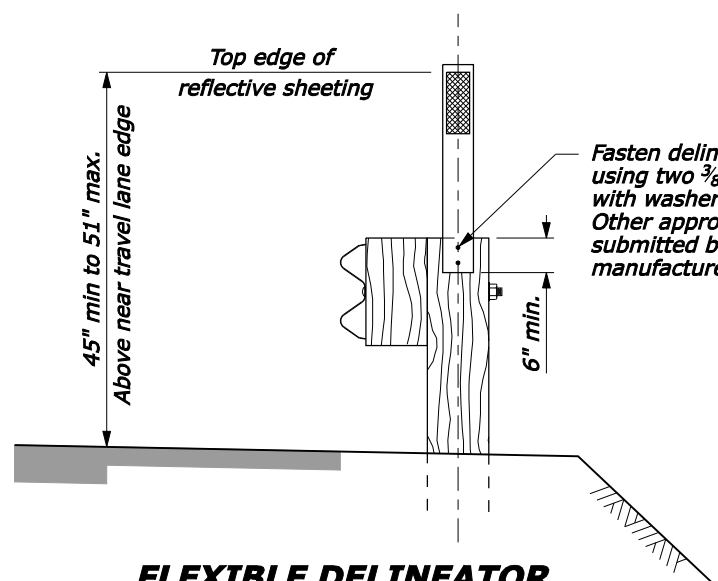
**FLEXIBLE DELINEATOR**  
GROUND MOUNTED



**FLEXIBLE DELINEATOR**  
SURFACE MOUNTED

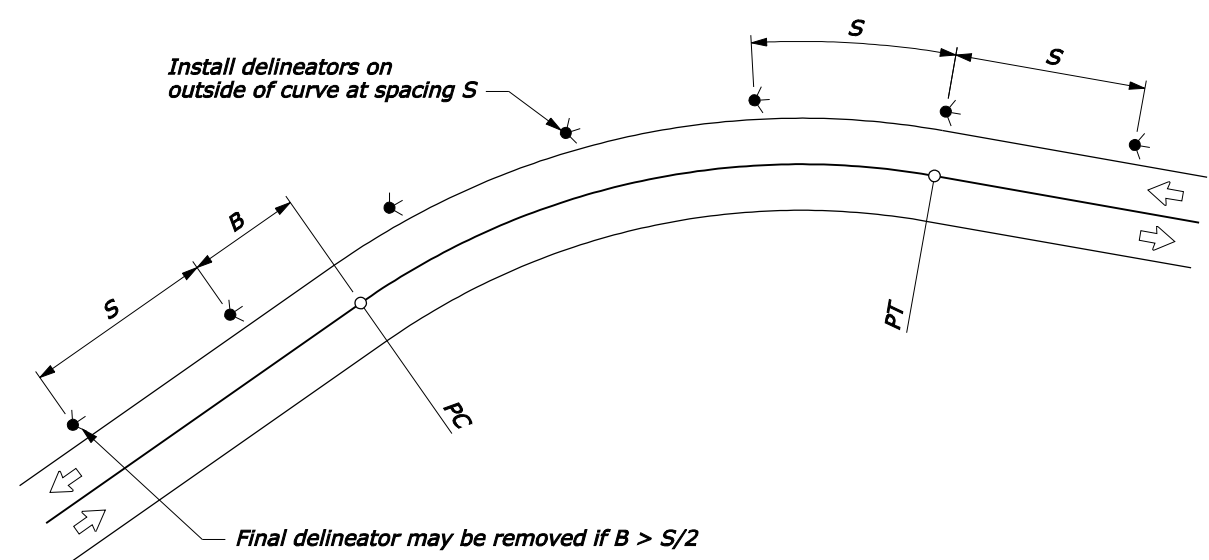
**NOTE:**

1. When a delineator falls within a cross road or approach, the delineator may be moved in either direction a distance not to exceed one quarter of the normal spacing. Eliminate the delineator if this allowance is exceeded.
2. Place delineators 2 feet from the edge of design shoulder unless otherwise specified.
3. Install delineators behind the rail at guardrail locations. Either drive the delineator in line with the guardrail posts or mount a shorter delineator onto the guardrail post as shown on this sheet.
4. When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.
5. Use the current edition of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) as a guide for delineation layout.



**FLEXIBLE DELINEATOR**  
GUARDRAIL MOUNTED OPTION  
(Use only with wood guardrail posts)

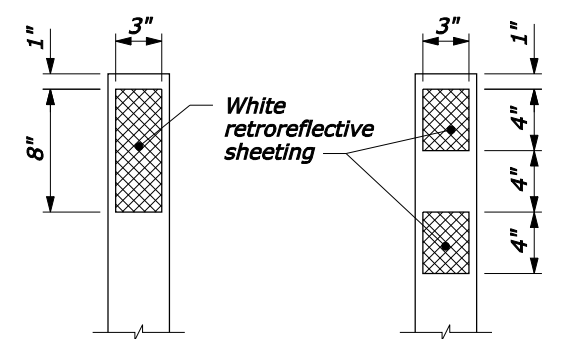
Fasten delineator to guardrail post using two  $\frac{3}{8}$ " x 2" lag screws with washers at centerline of post. Other approved fastening methods submitted by the delineator manufacturer are also acceptable.



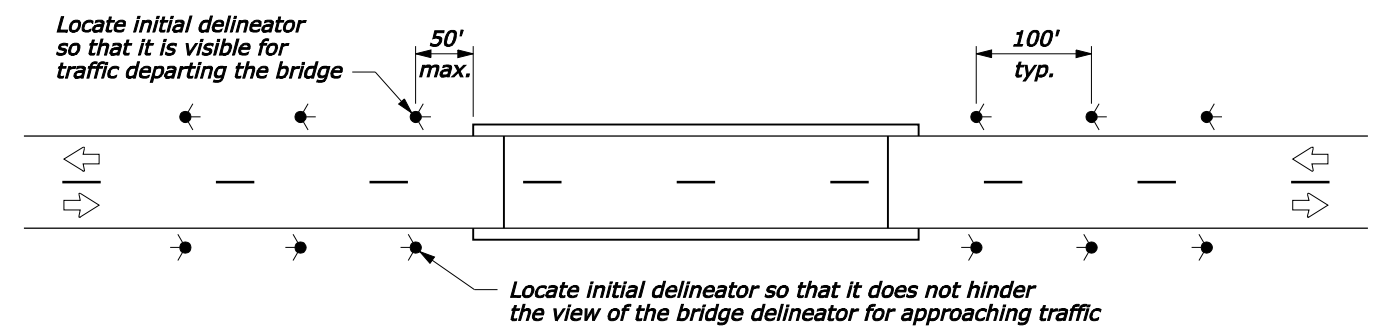
**PLACEMENT ON HORIZONTAL CURVES**

DELINEATOR SPACING ON HORIZONTAL CURVES	
CURVE RADIUS (FEET)	SPACING (S) (FEET)
50	20
115	25
180	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90

Spacing for a specific curve may be interpolated from the table, or calculated using the formula:  
 $Spacing = 3 \sqrt{R-50}$   
 The minimum spacing should be 20 feet.  
 Curve spacing should not exceed 300 feet.



**FACING TRAFFIC**      **BACK SIDE**  
**REFLECTIVE SHEETING DETAIL**



**PLACEMENT AT BRIDGE APPROACHES**

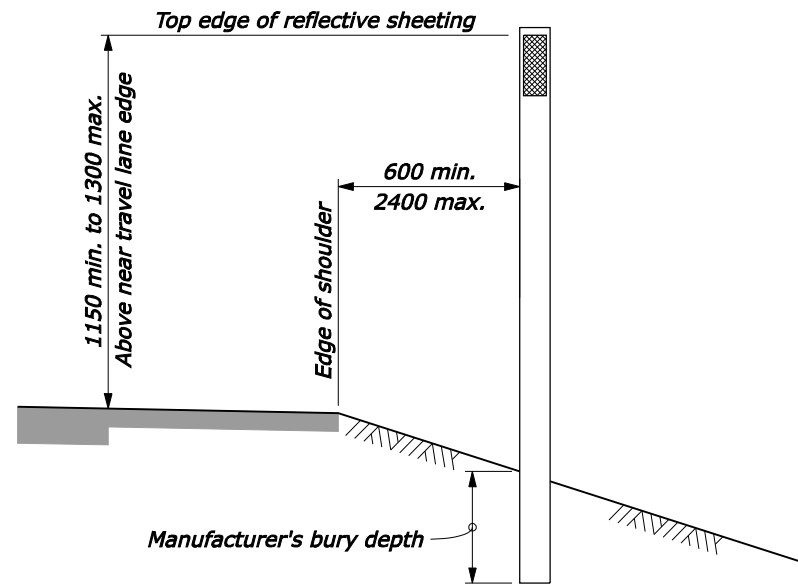
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

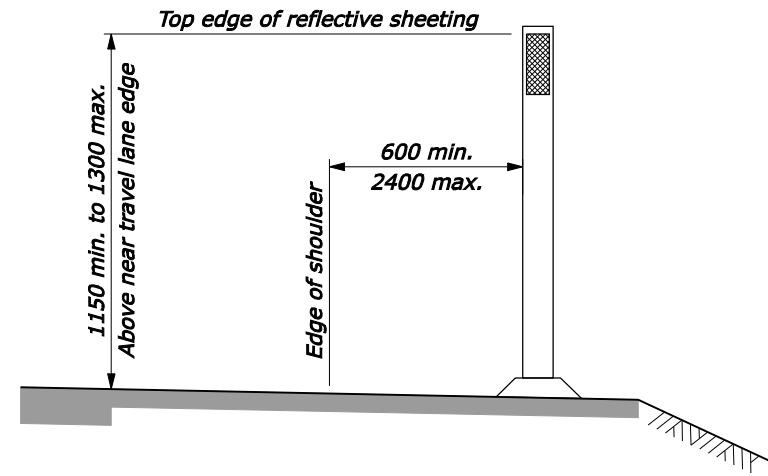
U.S. CUSTOMARY DETAIL

**WASHINGTON**  
**DELINEATORS**

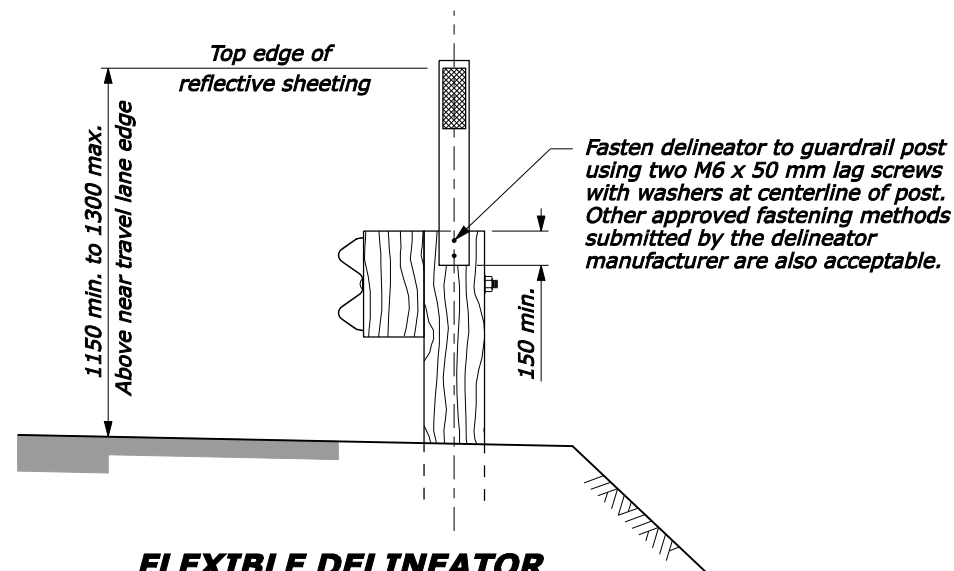
DETAIL APPROVED FOR USE 1/2008  
 REVISIONS:      DETAIL W633-80



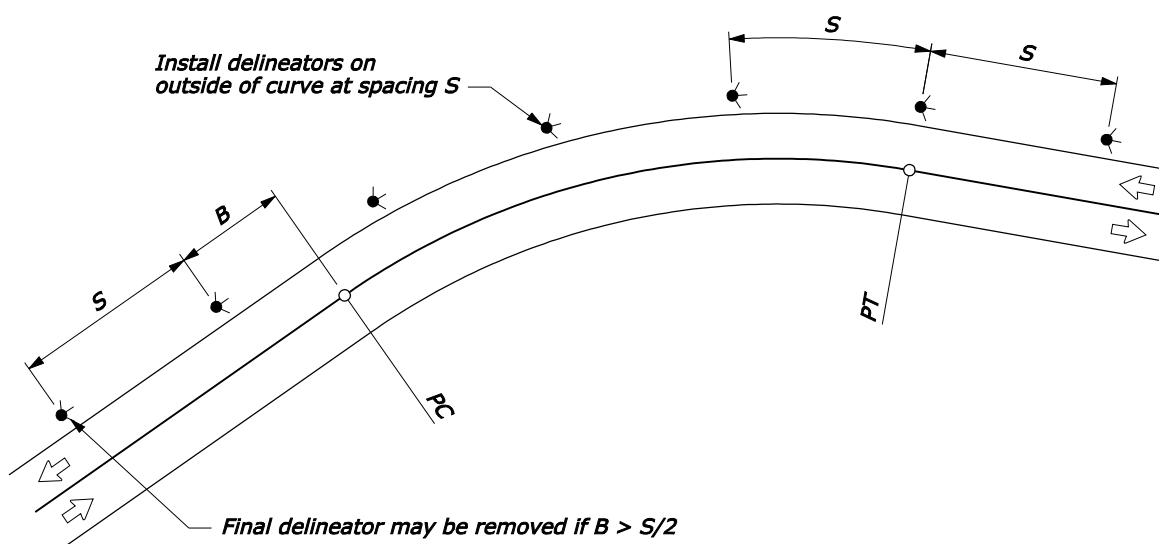
**FLEXIBLE DELINEATOR  
GROUND MOUNTED**



**FLEXIBLE DELINEATOR  
SURFACE MOUNTED**



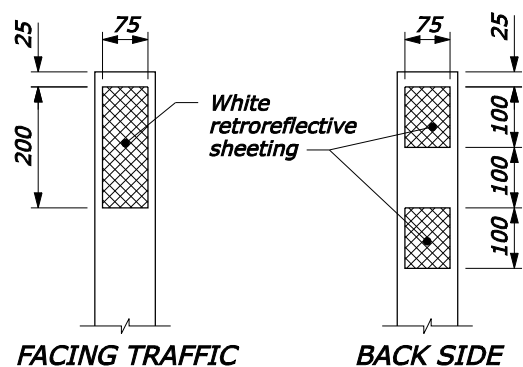
**FLEXIBLE DELINEATOR  
GUARDRAIL MOUNTED OPTION  
(Use only with wood guardrail posts)**



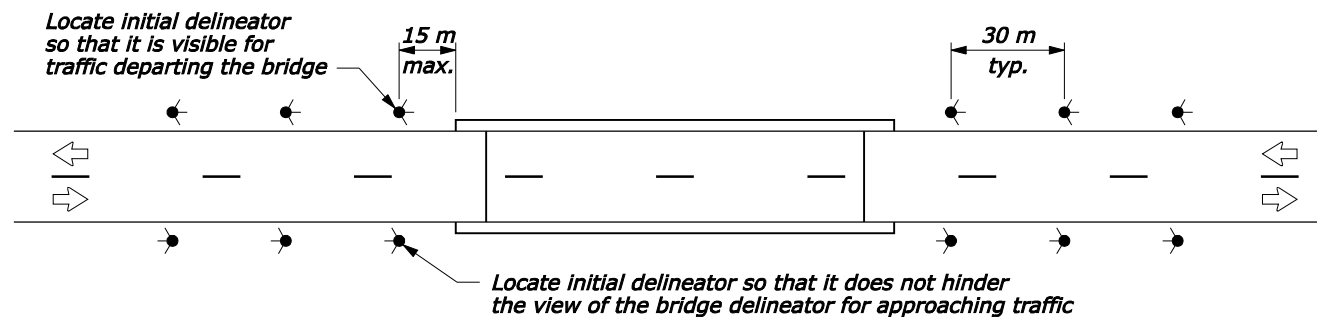
**PLACEMENT ON HORIZONTAL CURVES**

DELINEATOR SPACING ON HORIZONTAL CURVES	
CURVE RADIUS (m)	SPACING (S) (m)
15	6
35	8
55	11
75	13
95	15
125	18
155	20
185	22
215	24
245	26
275	27
305	29

Spacing for a specific curve may be interpolated from the table, or calculated using the formula:  
 $Spacing = 1.7 \sqrt{R-15}$   
 The minimum spacing should be 6 meters. Curve spacing should not exceed 90 meters.



**FACING TRAFFIC  
BACK SIDE  
REFLECTIVE SHEETING DETAIL**

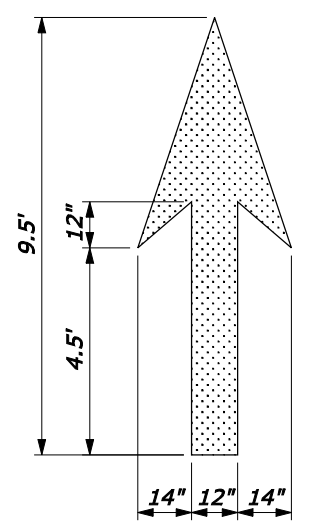


**PLACEMENT AT BRIDGE APPROACHES**

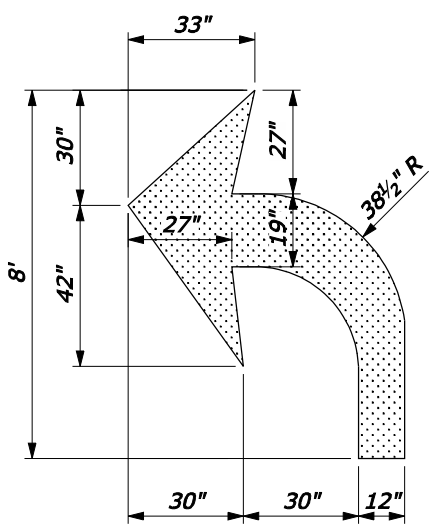
- NOTE:**
1. When a delineator falls within a cross road or approach, the delineator may be moved in either direction a distance not to exceed one quarter of the normal spacing. Eliminate the delineator if this allowance is exceeded.
  2. Place delineators 600 mm from the edge of design shoulder unless otherwise specified.
  3. Install delineators behind the rail at guardrail locations. Either drive the delineator in line with the guardrail posts or mount a shorter delineator onto the guardrail post as shown on this sheet.
  4. When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.
  5. Use the current edition of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) as a guide for delineation layout.
  6. Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are not available.
  7. Dimensions without units are millimeters.

NO SCALE

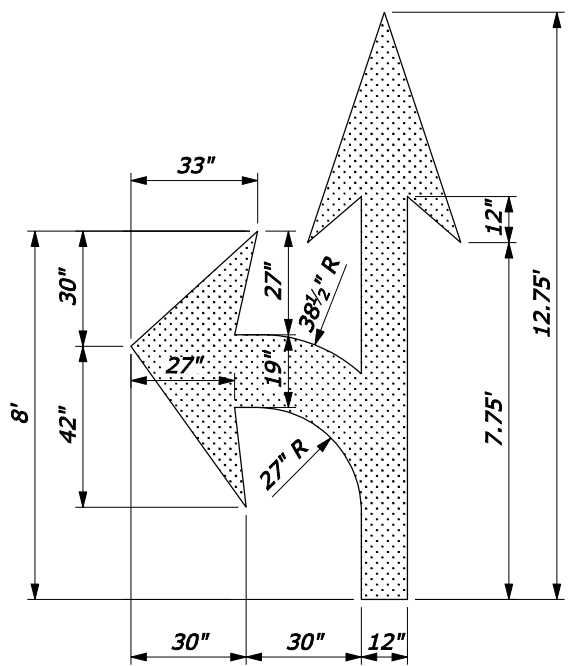
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
<b>WASHINGTON DELINEATORS</b>	
DETAIL APPROVED FOR USE 1/2008	DETAIL
REVISED:	WM633-80



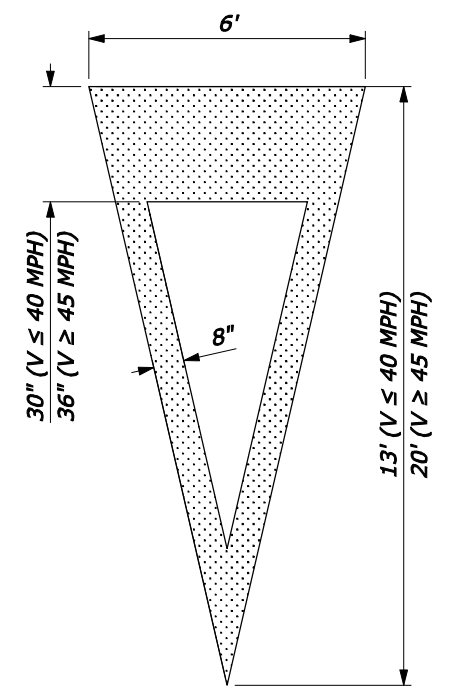
**THROUGH LANE-USE ARROW**



**TURN LANE-USE ARROW**



**TURN AND THROUGH LANE-USE ARROW**

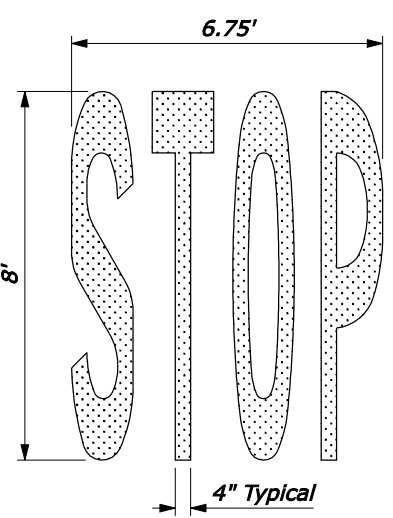


**YIELD AHEAD TRIANGLE SYMBOL**

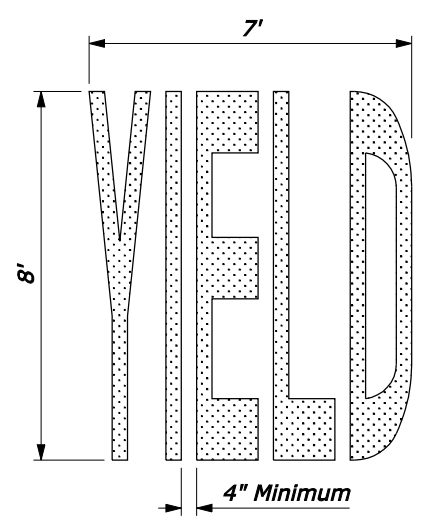
**NOTE:**

1. Place pavement word and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), current edition.
2. All letters, numerals and symbols shall conform with the "Standard Highway Signs", current edition.
3. The Accessibility Parking Space marking only includes the accessibility symbol unless a border is indicated in the Striping Plans.

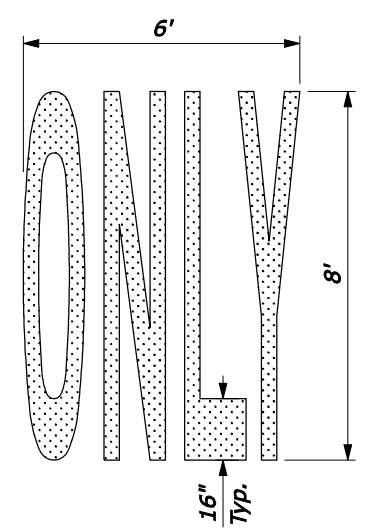
<b>PAVEMENT MARKING AREAS</b>	
TYPE	SQFT
Through Lane-Use Arrow	12
Turn Lane-Use Arrow	16
Turn and Through Lane-Use Arrow	26
Yield Ahead Triangle (V ≤ 40 MPH)	26
Yield Ahead Triangle (V ≥ 45 MPH)	37
Accessibility Marking (symbol only)	2
Accessibility Marking w/ border (White)	5
Accessibility Marking w/ border (Blue)	9
AHEAD Word Marking	30
ONLY Word Marking	21
SCHOOL Word Marking	33
STOP Word Marking	22
YIELD Word Marking	24



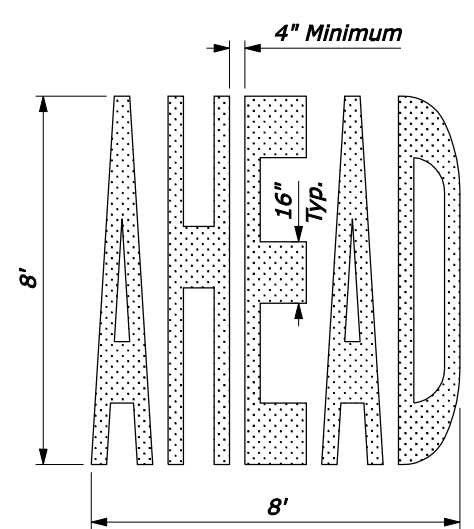
**"STOP" WORD MARKING**



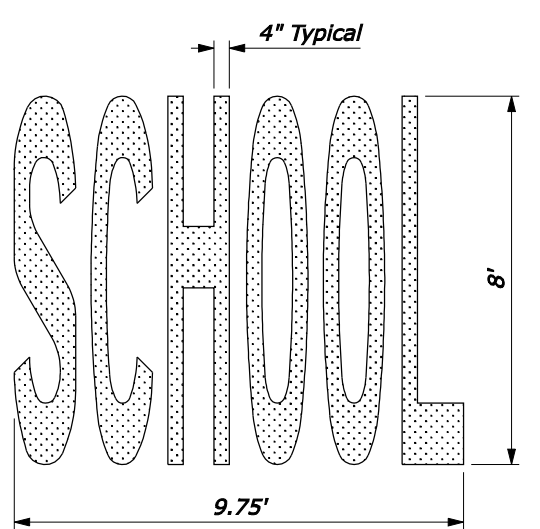
**"YIELD" WORD MARKING**



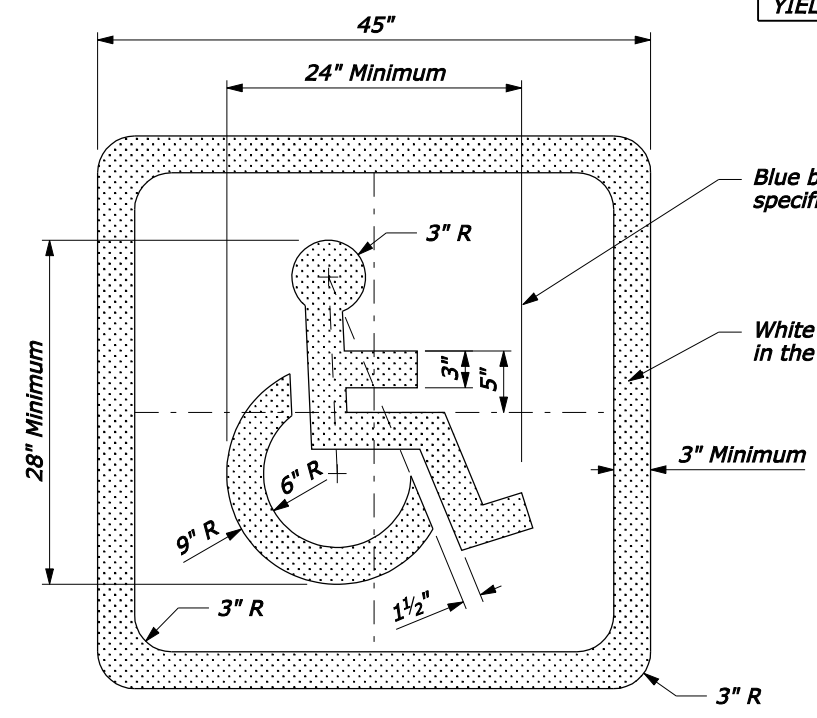
**"ONLY" WORD MARKING**



**"AHEAD" WORD MARKING**



**"SCHOOL" WORD MARKING**



**ACCESSIBILITY PARKING SPACE MARKING**

NO SCALE

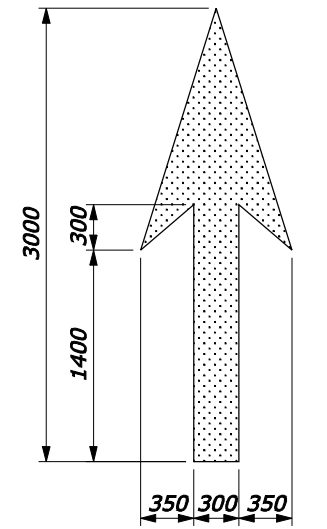
Blue background when border specified in the Striping Plans  
White border when specified in the Striping Plans

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

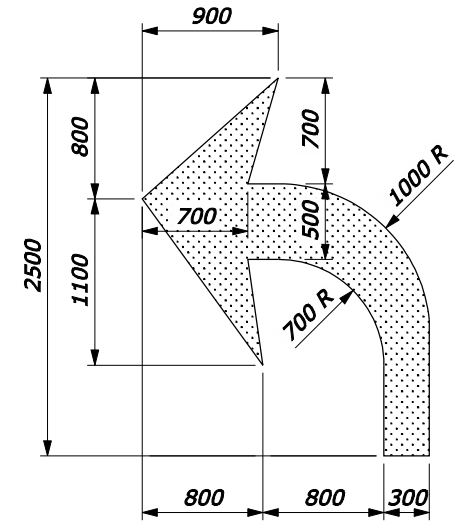
U.S. CUSTOMARY DETAIL

**PAVEMENT MARKINGS  
SYMBOLS AND WORDS**

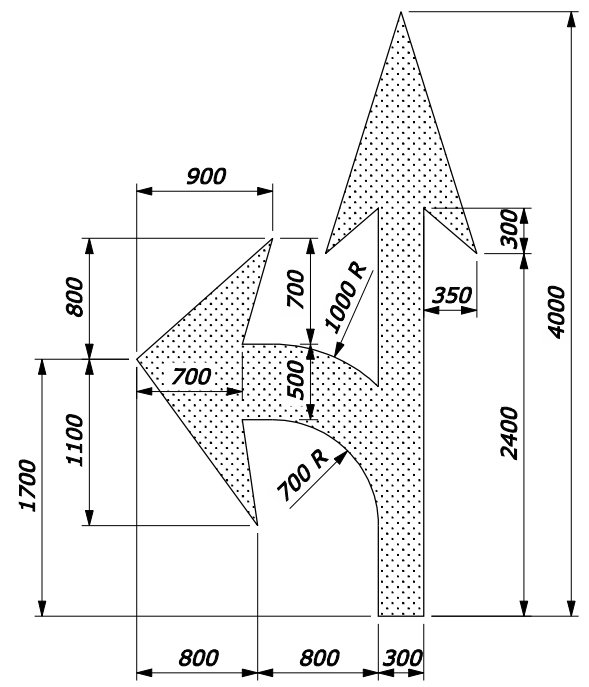
DETAIL APPROVED FOR USE 3/2003	DETAIL
REVISED: 11/2006 10/2007	W634-1



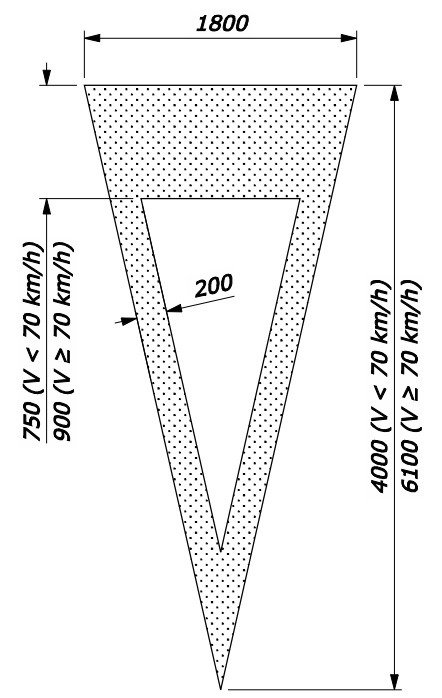
**THROUGH LANE-USE ARROW**



**TURN LANE-USE ARROW**



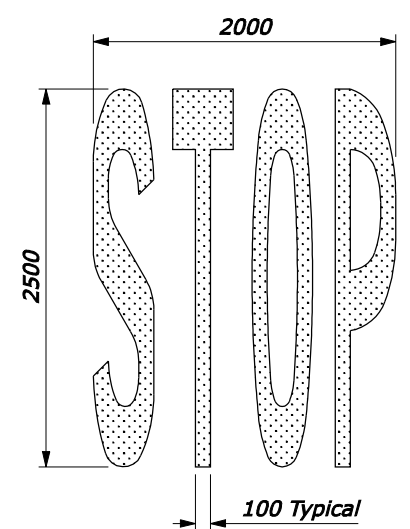
**TURN AND THROUGH LANE-USE ARROW**



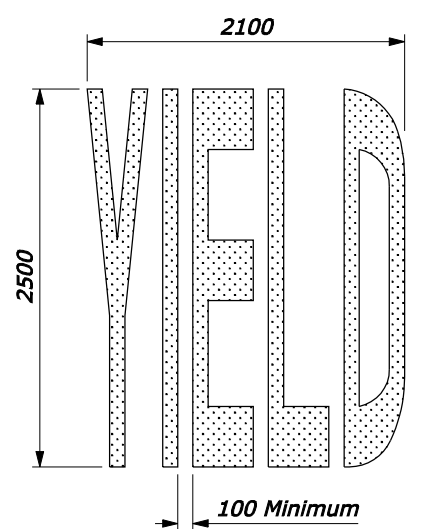
**YIELD AHEAD TRIANGLE SYMBOL**

- NOTE:**
1. Place pavement word and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), current edition.
  2. All letters, numerals and symbols shall conform with the "Standard Highway Signs", current edition.
  3. The Accessibility Parking Space marking only includes the accessibility symbol unless a border is indicated in the Striping Plans.
  4. Dimensions without units are millimeters.

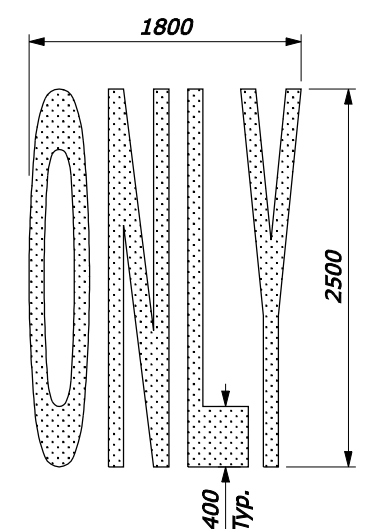
PAVEMENT MARKING AREAS	
TYPE	m <sup>2</sup>
Through Lane-Use Arrow	1.1
Turn Lane-Use Arrow	1.5
Turn and Through Lane-Use Arrow	2.5
Yield Ahead Triangle (V < 70 km/h)	2.4
Yield Ahead Triangle (V ≥ 70 km/h)	3.3
Accessibility Marking (symbol only)	0.1
Accessibility Marking w/ border (White)	0.5
Accessibility Marking w/ border (Blue)	0.8
AHEAD Word Marking	2.8
ONLY Word Marking	2.0
SCHOOL Word Marking	3.1
STOP Word Marking	2.0
YIELD Word Marking	2.2



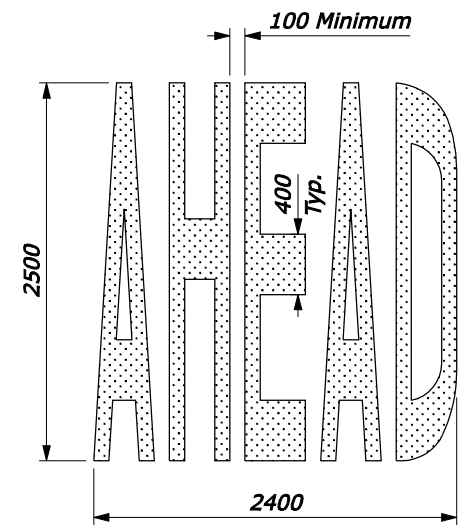
**"STOP" WORD MARKING**



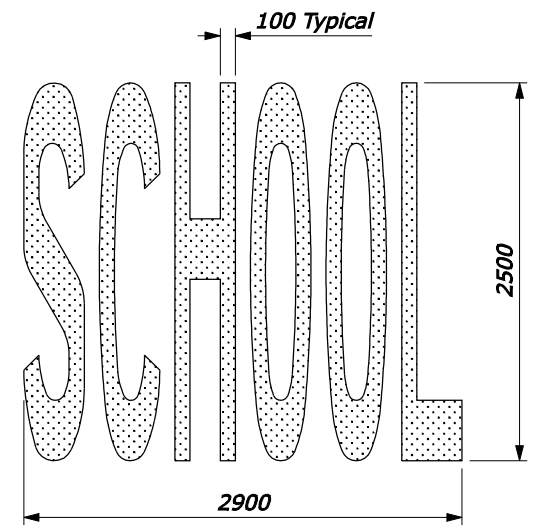
**"YIELD" WORD MARKING**



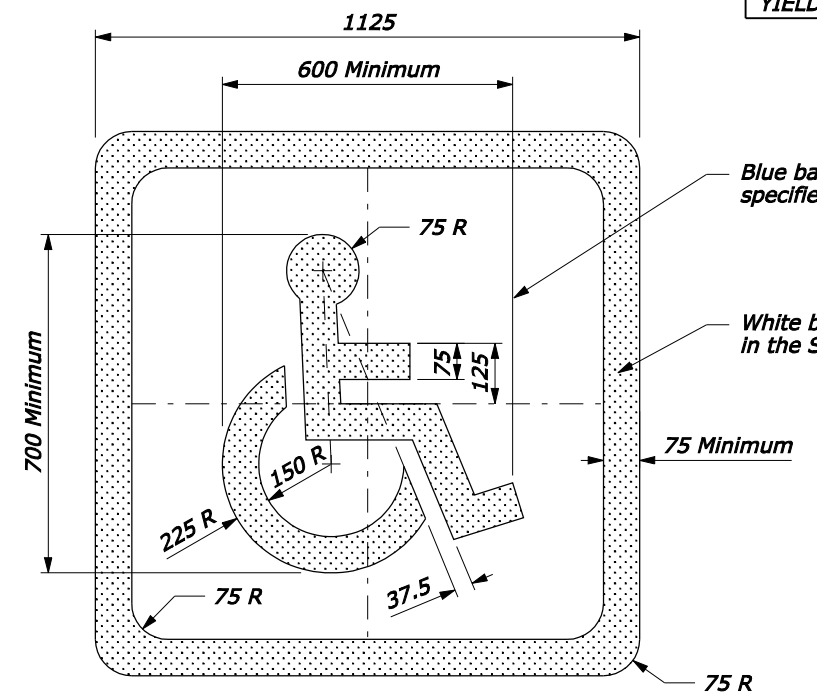
**"ONLY" WORD MARKING**



**"AHEAD" WORD MARKING**



**"SCHOOL" WORD MARKING**



**ACCESSIBILITY PARKING SPACE MARKING**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

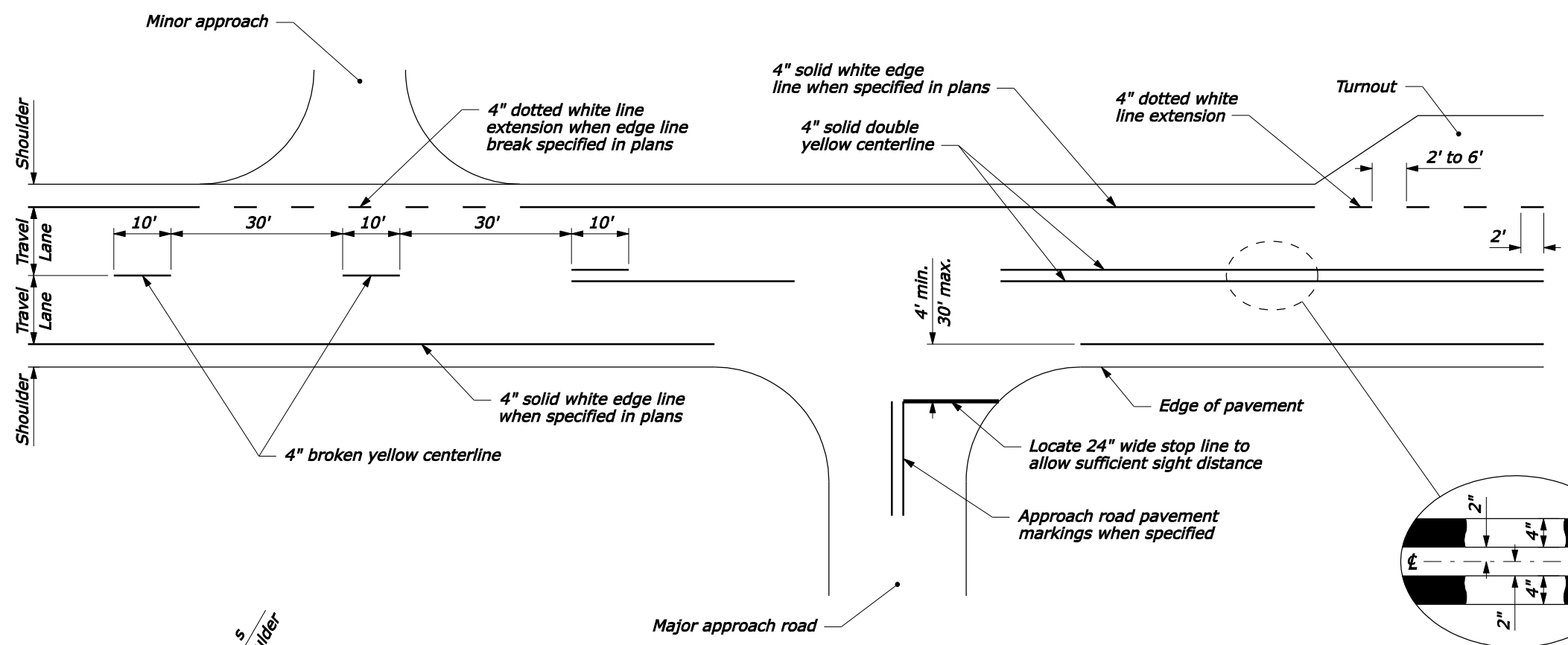
**METRIC DETAIL**

**PAVEMENT MARKINGS  
 SYMBOLS AND WORDS**

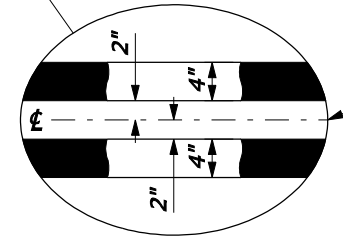
DETAIL APPROVED FOR USE 12/2000  
 REVISD: 3/2003 11/2006 10/2007

DETAIL  
 WM634-1

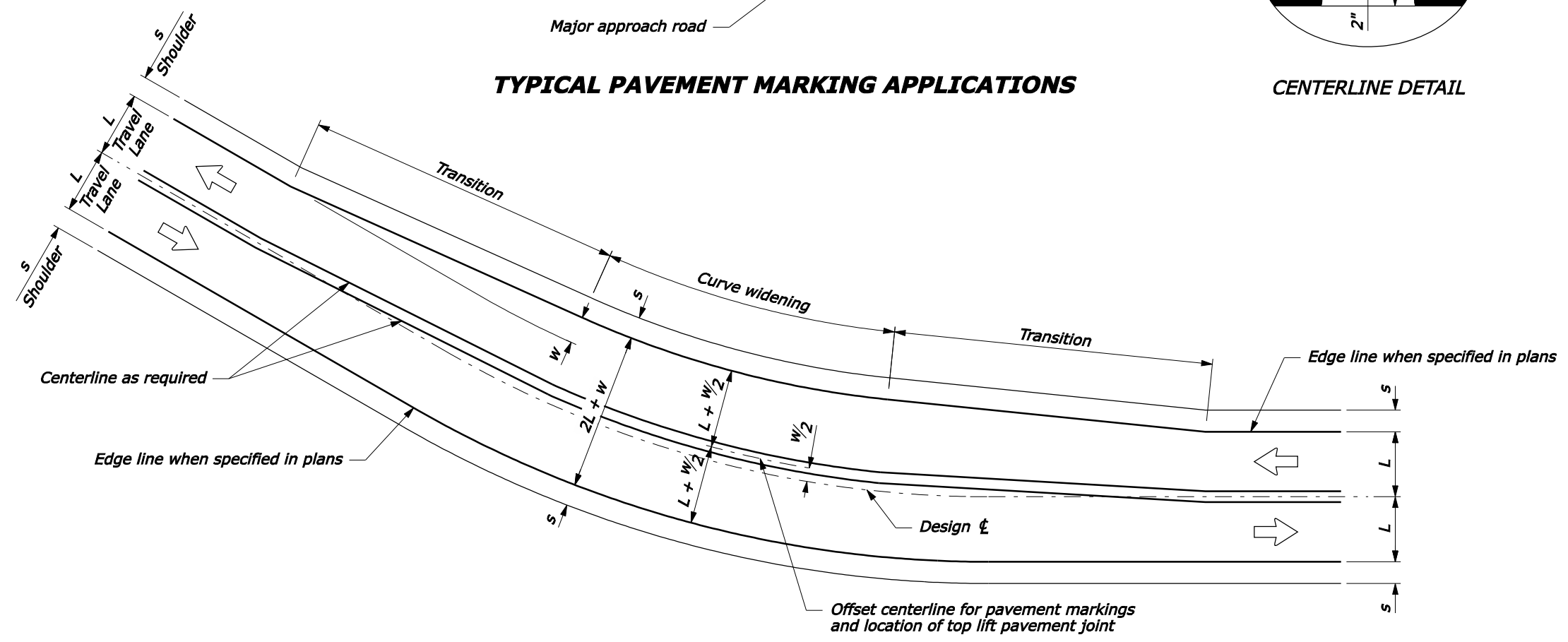
09-Oct-2007 10:09 AM F:\StanDraw\Western\w63401.dgn [Metric]



- NOTE:**
1. Place edge line pavement markings at asphalt/concrete curb interface when curb is present.
  2. Paint centerline pavement markings on curves with curve widening "w" to achieve equal lane widths within the roadway. Maintain a constant shoulder width "s" throughout the curve widening area. See staking details for curve widening transition locations.
  3. A typical pavement marking width of 4" is shown. Use wider pavement markings when specified on the plans or when required by the maintaining agency.



**TYPICAL PAVEMENT MARKING APPLICATIONS**



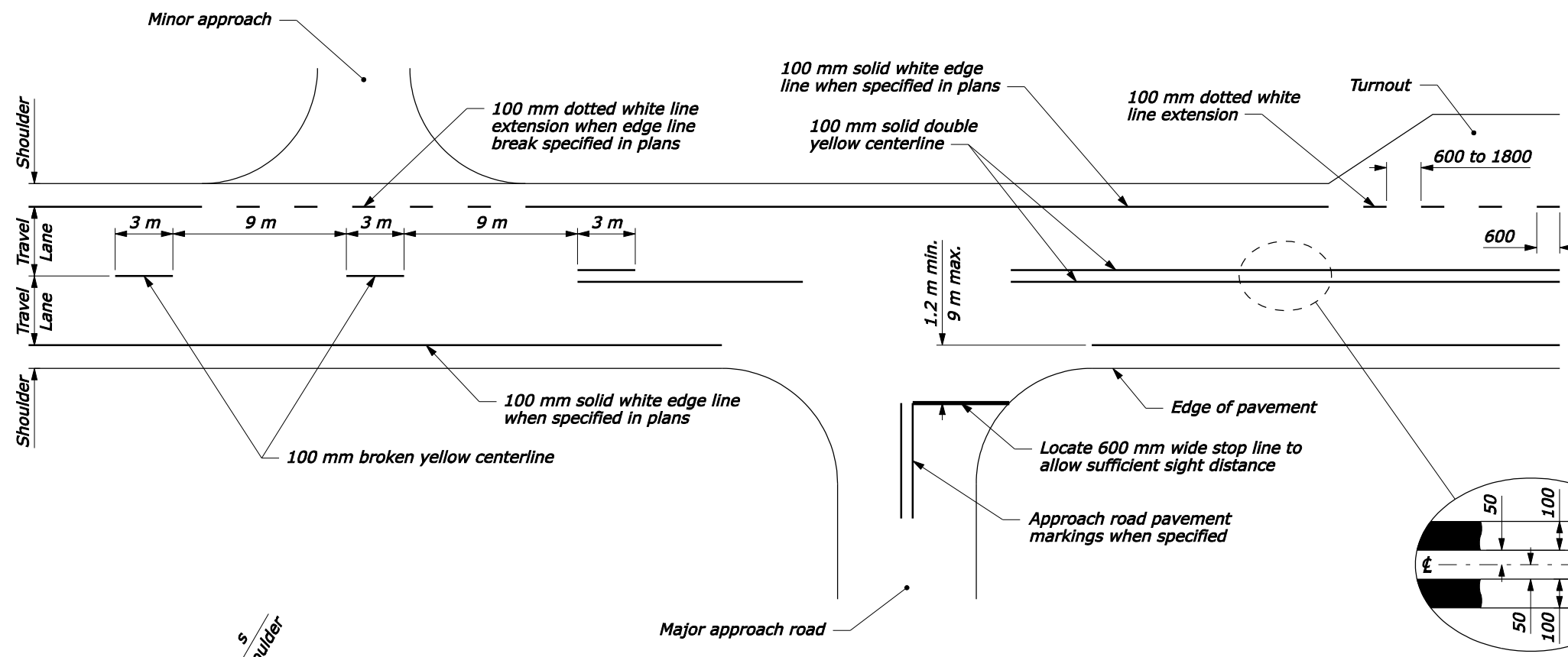
**CENTERLINE MODIFICATION FOR CURVES WITH WIDENING APPLIED ON INSIDE**

See Note 2 for treatment of curves when widening "w" is split equally on both sides of centerline

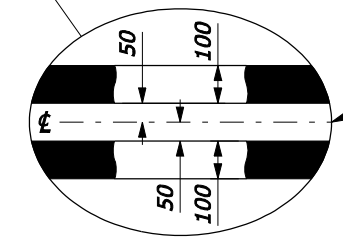
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL	
<b>LINEAR PAVEMENT MARKINGS</b>	
DETAIL APPROVED FOR USE 10/2007	DETAIL
REVISED:	W634-2





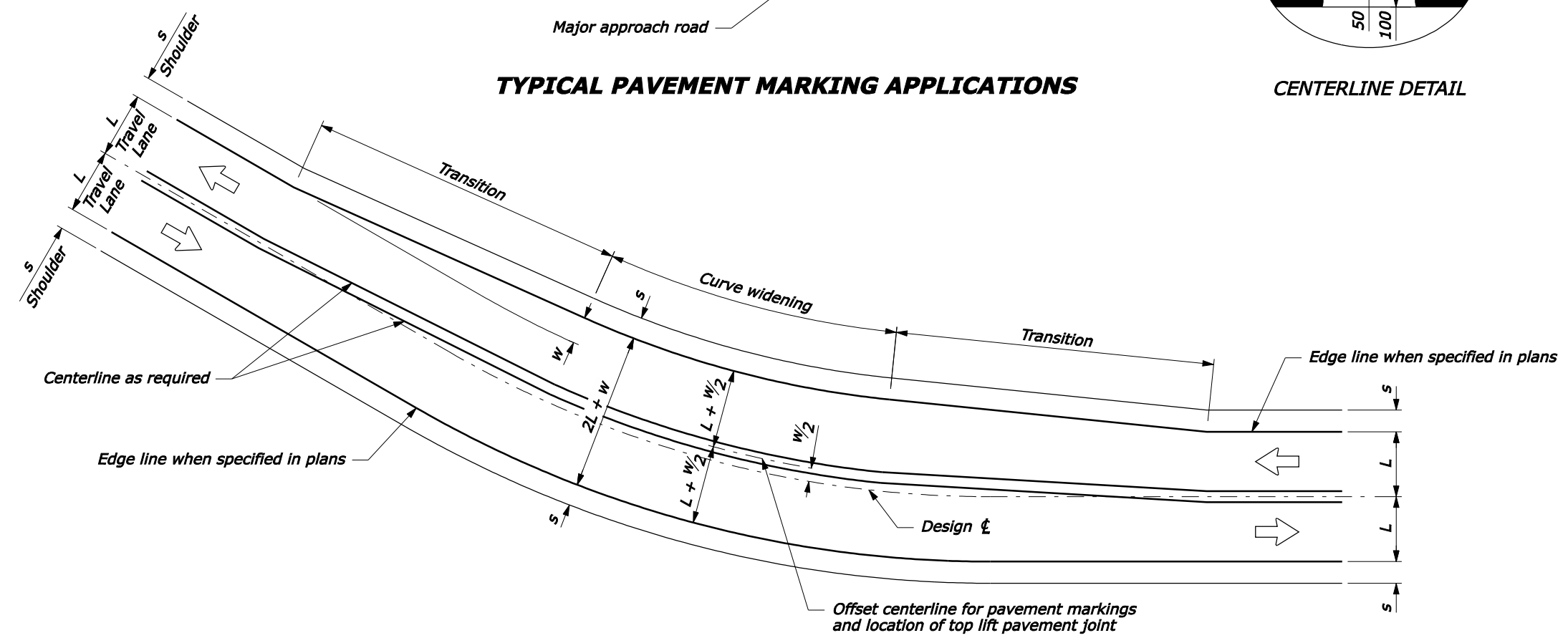
- NOTE:**
1. Place edge line pavement markings at asphalt/concrete curb interface when curb is present.
  2. Paint centerline pavement markings on curves with curve widening "w" to achieve equal lane widths within the roadway. Maintain a constant shoulder width "s" throughout the curve widening area. See staking details for curve widening transition locations.
  3. A typical pavement marking width of 100 mm is shown. Use wider pavement markings when specified on the plans or when required by the maintaining agency.
  4. Dimensions without units are millimeters



Increase spacing between parallel lines when specified in the plans or when required by the maintaining agency

**TYPICAL PAVEMENT MARKING APPLICATIONS**

CENTERLINE DETAIL

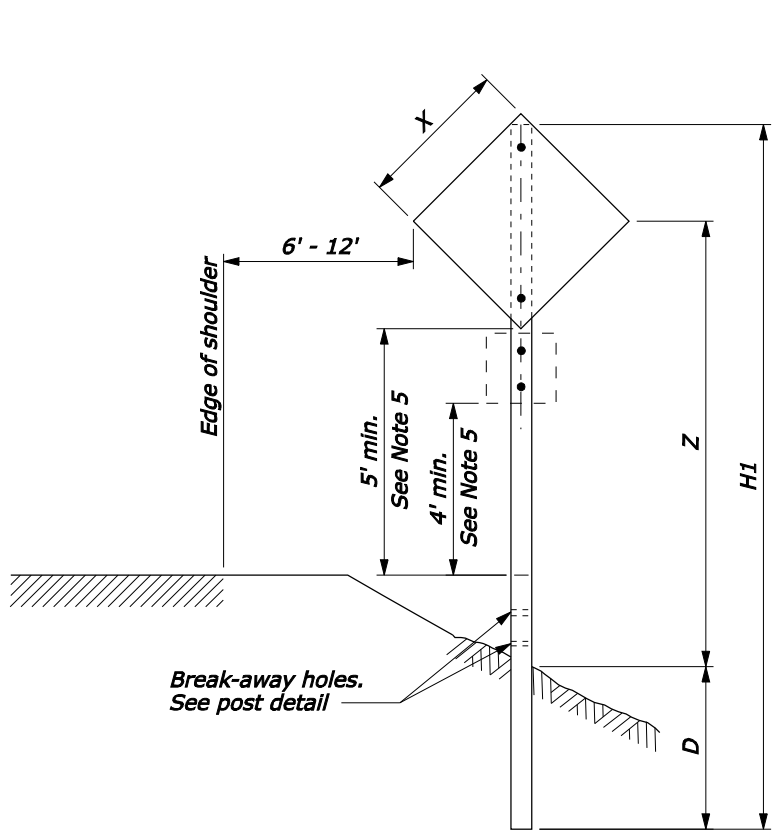


**CENTERLINE MODIFICATION FOR CURVES WITH WIDENING APPLIED ON INSIDE**

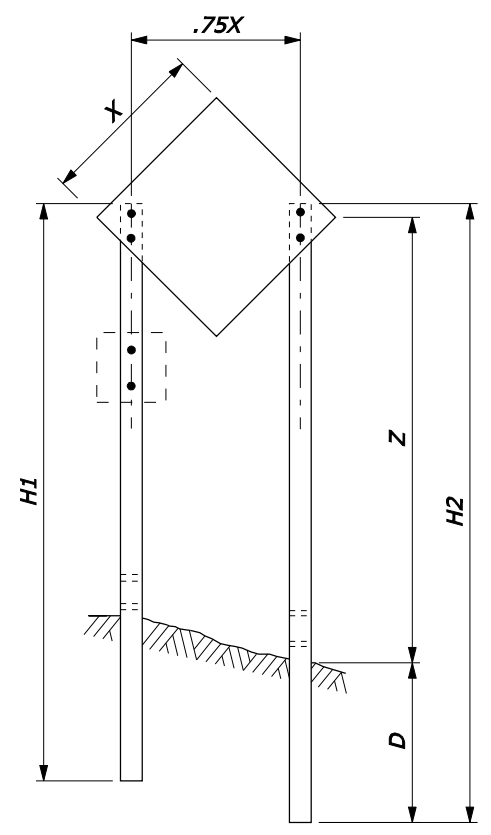
See Note 2 for treatment of curves when widening "w" is split equally on both sides of centerline

NO SCALE

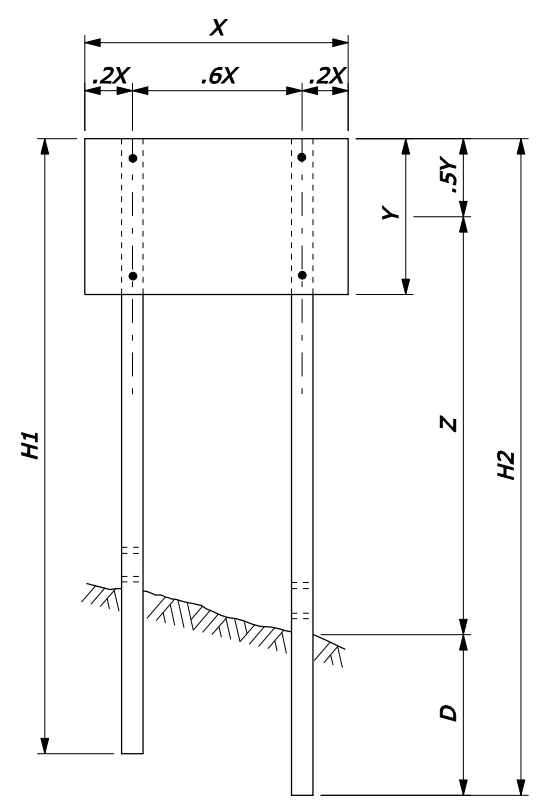
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION	
METRIC DETAIL	
LINEAR PAVEMENT MARKINGS	
DETAIL APPROVED FOR USE 10/2007	DETAIL WM634-2
REVISED:	



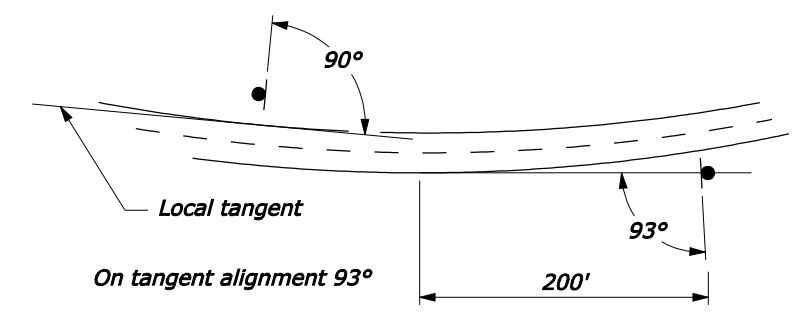
**SINGLE POST SIGN**



**TWO POST SIGN**

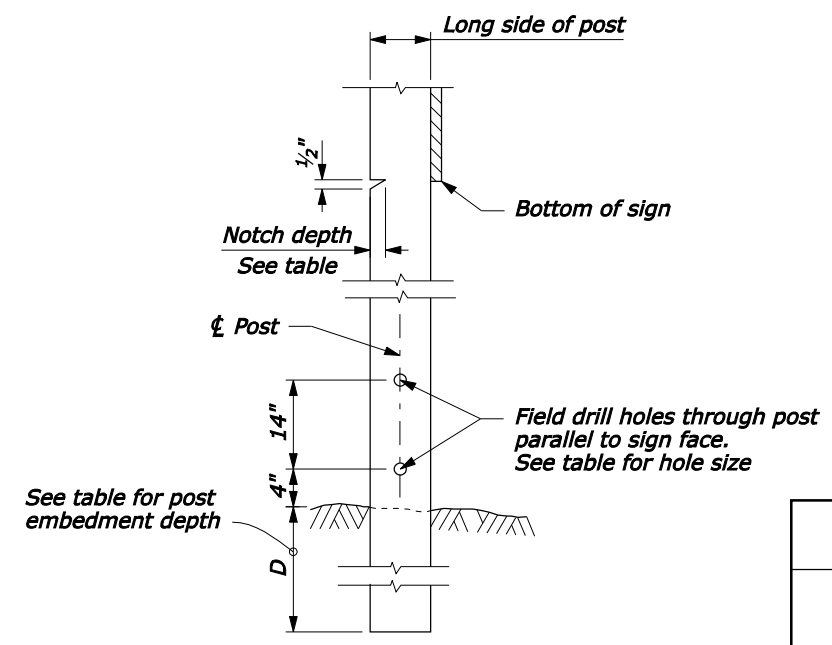


- NOTE:**
1. Attach sign panels with a minimum of 2 - 1/4" dia. bolts per post.
  2. Mount signs smaller than listed on a single 4" x 4" post. For signs not shown, use next largest size.
  3. H1 and H2 = Overall post length. Select post lengths to fit field conditions.
  4. D = Post embedment depth for average soil conditions.
  5. When pedestrians are present, or in areas where the view obstructed, use 7' minimum mounting height.



**SIGN INSTALLATION ANGLE**

<b>WOOD POST SELECTION TABLE</b>											
SIGN SHAPE	X x Y	GROUNDLINE TO CENTER OF SIGN HEIGHT (Z)									
		Z IS 10' OR LESS					Z IS GREATER THAN 10'				
		NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH	NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH
	30" x 30"	1	4" x 4"	36"	0	0	1 or 2	4" x 6" 4" x 4"	48" 36"	1 1/2" 0	0
	36" x 36"	1 or 2	4" x 6" 4" x 4"	48" 36"	1 1/2" 0	0	1 or 2	4" x 6" 4" x 4"	48" 36"	1 1/2" 0	0
	48" x 48"	1	4" x 6"	48"	1 1/2"	0	1 or 2	6" x 8" 4" x 6"	48" 48"	3" 1 1/2"	0 1 3/4"
	60" x 30"	2	4" x 4"	36"	0	0	2	4" x 6"	48"	1 1/2"	1 3/4"
	78" x 42"	2	4" x 6"	48"	1 1/2"	1 3/4"	2	4" x 6"	48"	1 1/2"	1 3/4"
	96" x 48"	2	4" x 6"	48"	1 1/2"	1 3/4"	2	6" x 8"	48"	3"	2 1/4"



**POST DETAIL**

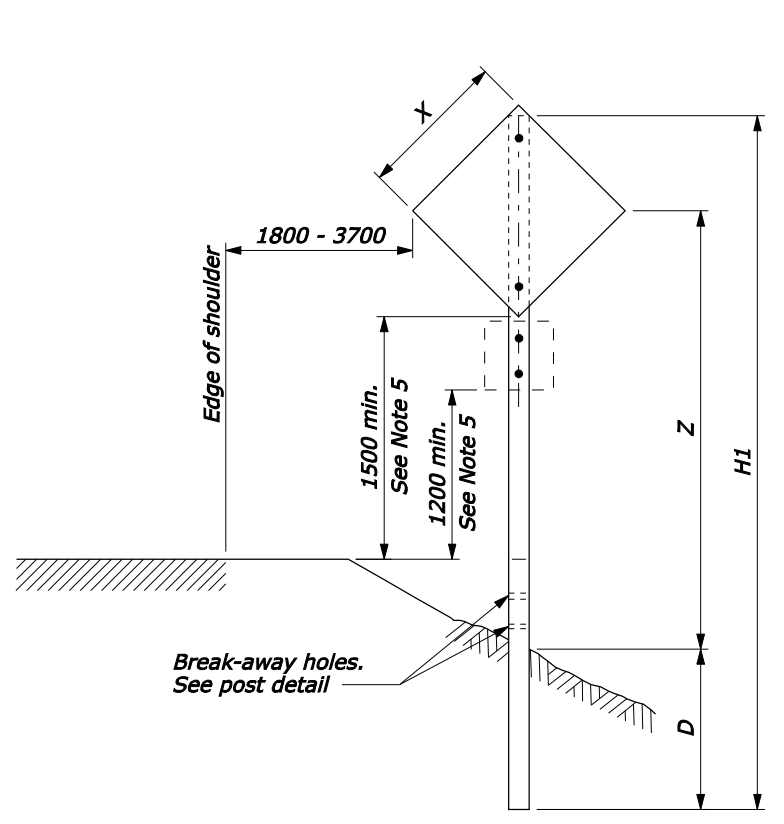
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

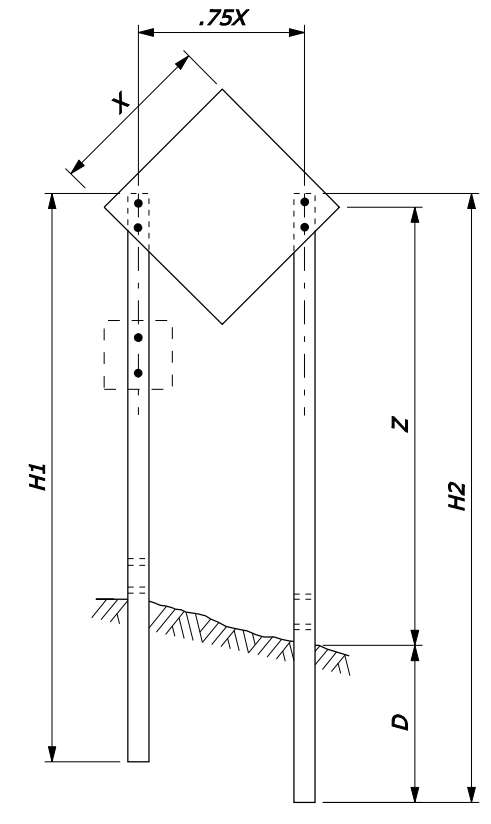
**U.S. CUSTOMARY DETAIL  
 CONSTRUCTION SIGN  
 INSTALLATION  
 WOOD POSTS**

DETAIL APPROVED FOR USE 12/2006  
 REVISIONS:

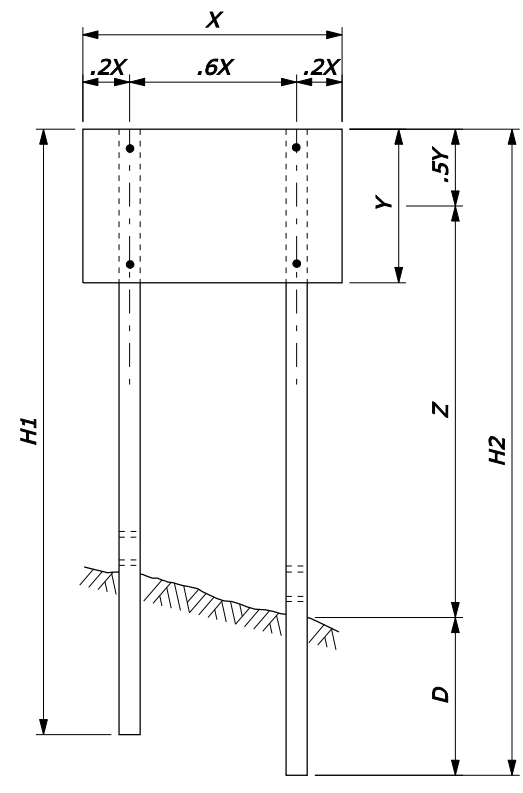
DETAIL  
 W635-20



**SINGLE POST SIGN**

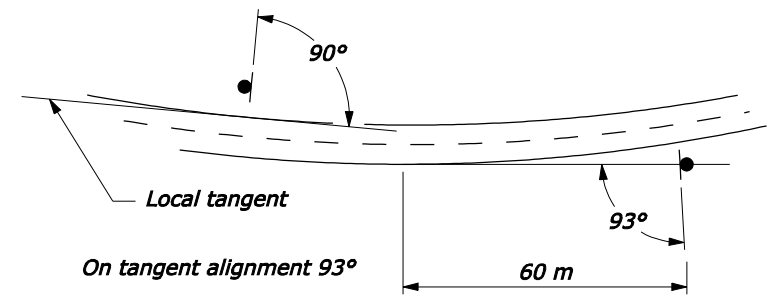


**TWO POST SIGN**



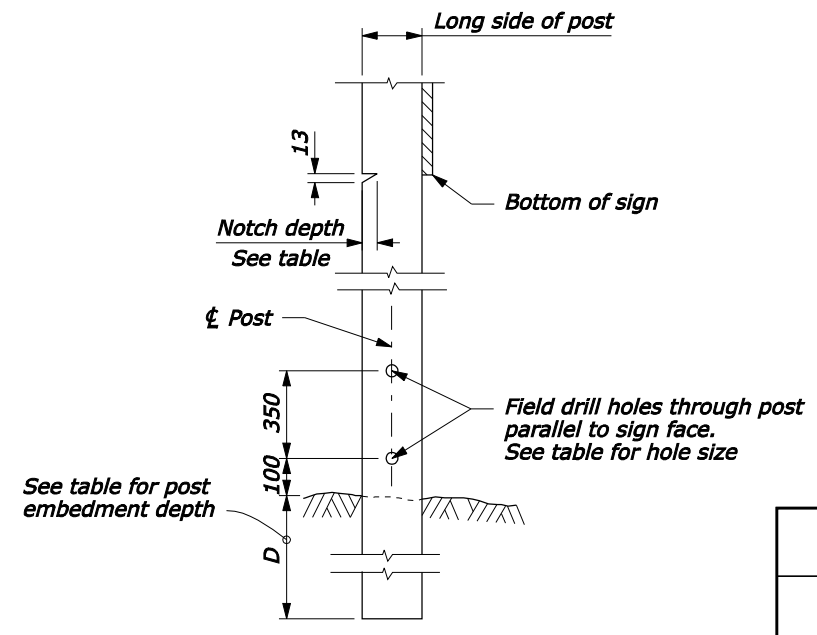
**NOTE:**

1. Attach sign panels with a minimum of 2 - M6 bolts per post.
2. Mount signs smaller than listed on a single 100 x 100 post. For signs not shown, use next largest size.
3. H1 and H2 = Overall post length. Select post lengths to fit field conditions.
4. D = Post embedment depth for average soil conditions.
5. When pedestrians are present, or in areas where the view is obstructed, use 2.1 m minimum mounting height.
6. Furnish hardware in the metric sizes shown. Equivalent US Customary sizes may be used when metric sizes are not available.
7. Dimensions without units are millimeters.



**SIGN INSTALLATION ANGLE**

<b>WOOD POST SELECTION TABLE</b>											
SIGN SHAPE	X x Y	GROUNDLINE TO CENTER OF SIGN HEIGHT (Z)									
		Z IS 3 m OR LESS					Z IS GREATER THAN 3 m				
		NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH	NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH
◇	750 x 750	1	100 x 100	900	0	0	1 or 2	100 x 150 100 x 100	1200 900	40 0	0
◇	900 x 900	1 or 2	100 x 150 100 x 100	1200 900	40 0	0	1 or 2	100 x 150 100 x 100	1200 900	40 0	0
◇	1200 x 1200	1	100 x 150	1200	40	0	1 or 2	150 x 200 100 x 150	1200 1200	75 40	0 45
□	1500 x 750	2	100 x 100	900	0	0	2	100 x 150	1200	40	45
□	1950 x 1050	2	100 x 150	1200	40	45	2	100 x 150	1200	40	45
□	2400 x 1200	2	100 x 150	1200	40	45	2	150 x 200	1200	75	60



**POST DETAIL**

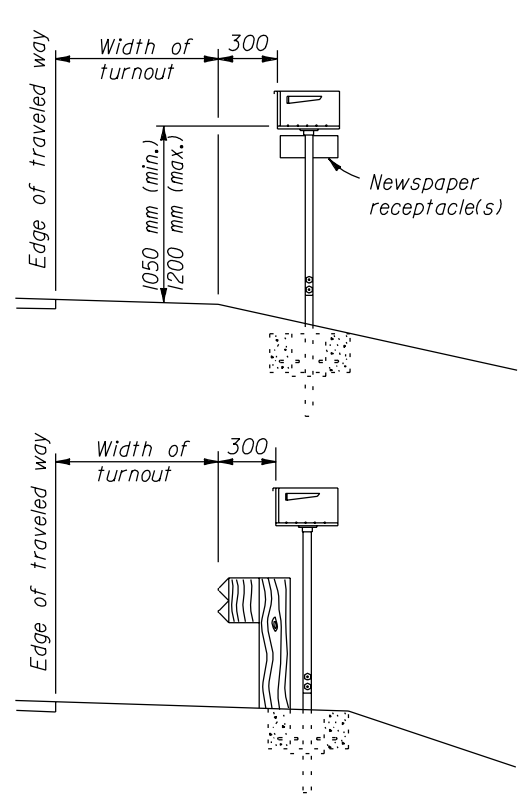
U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL  
 CONSTRUCTION SIGN  
 INSTALLATION  
 WOOD POSTS**

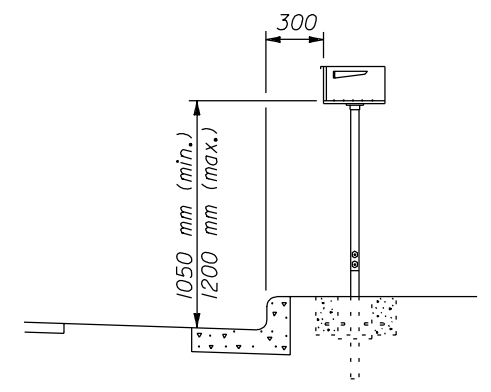
DETAIL APPROVED FOR USE 12/2006  
 REVISIONS:

DETAIL  
 WM635-20

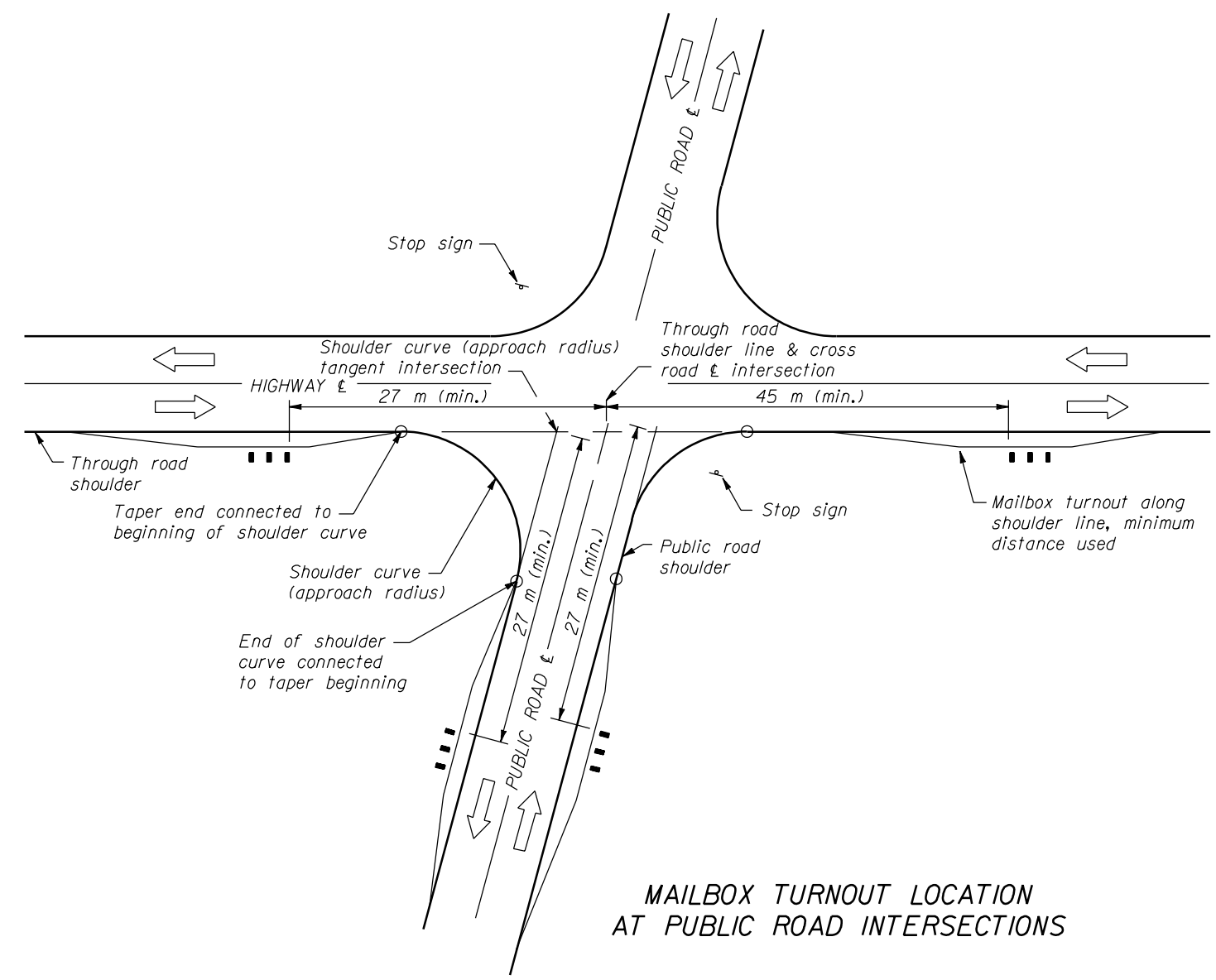
NO SCALE



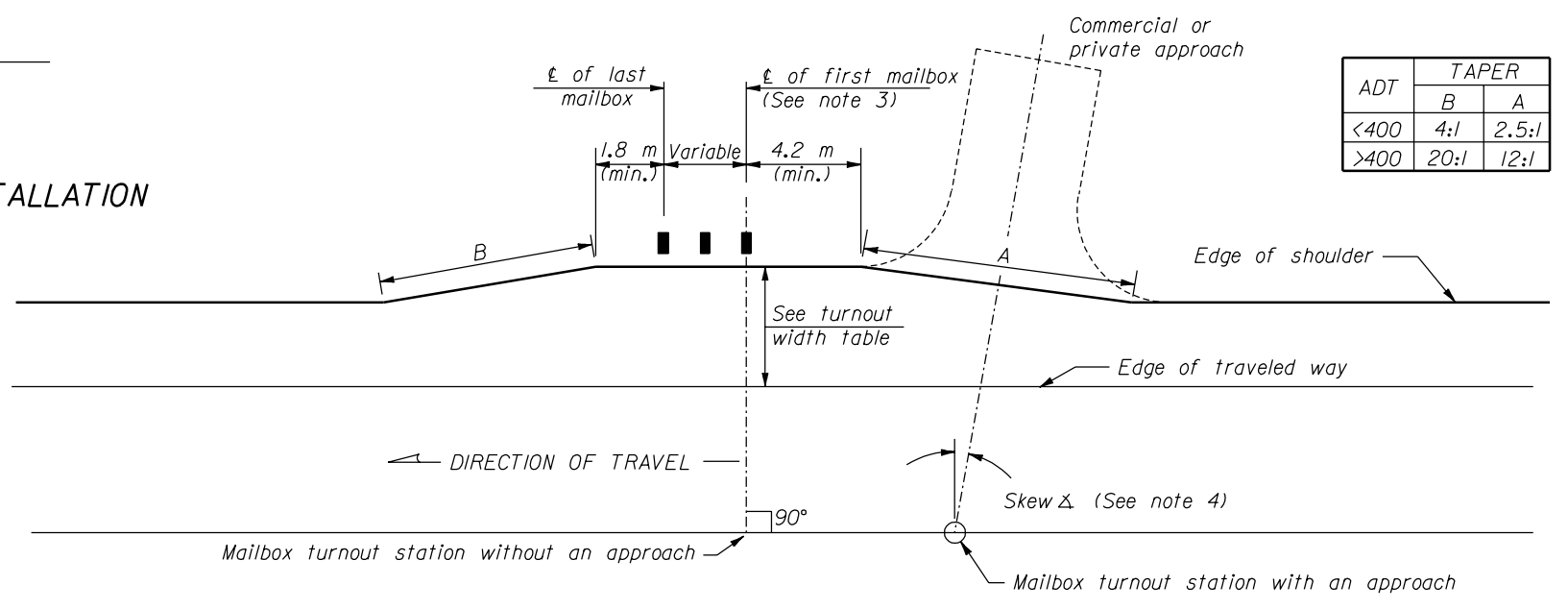
WOOD POST (RURAL) INSTALLATIONS



METAL POST (URBAN) INSTALLATION



MAILBOX TURNOUT LOCATION AT PUBLIC ROAD INTERSECTIONS



MAILBOX TURNOUT

**NOTE:**

1. Dimensions not labeled are in millimeters.
2. Either the front or back taper end of a mailbox turnout may connect to the shoulder curve (approach radius) P.C. or P.T., otherwise the turnout shall be shifted along the roadway shoulder to meet the minimum distance requirement.
3. Only commercial and private approaches qualify for mailbox turnouts installed adjacent to and as part of the approach. For public road approaches and intersections use the location method as shown on the Mailbox Turnout Location at Public Road Intersections Detail. When mailbox turnouts are used at public road intersections, measure to/from the first mailbox centerline parallel to the roadway centerline.
4. Do not skew mailbox turnouts, however, the adjacent approach may be skewed as shown. Blend the approach radius from the roadway shoulder to the turnout shoulder as shown in the Mailbox Turnout Detail. Place mail boxes on the far side of approach road entrances unless the minimum distances cannot be obtained.
5. The set back and required support also apply to mailbox receptacles. When the newspaper receptacles and mailboxes are mounted in combinations, mount the newspaper receptacle below the bottom surface of the mailbox.
6. Use the same pavement structure for mailbox turnouts as for the adjacent roadway section.
7. See Detail WM670-51 for further mailbox installation details.

ADT	TAPER	
	B	A
<400	4:1	2.5:1
>400	20:1	12:1

ADT	PREFERRED	MINIMUM
>10000	>3.6 m	3.6 m
1500-10000	3.6 m	3.0 m
100-1500	3.0 m	2.4 m
<100	2.4 m	1.8 m

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL**

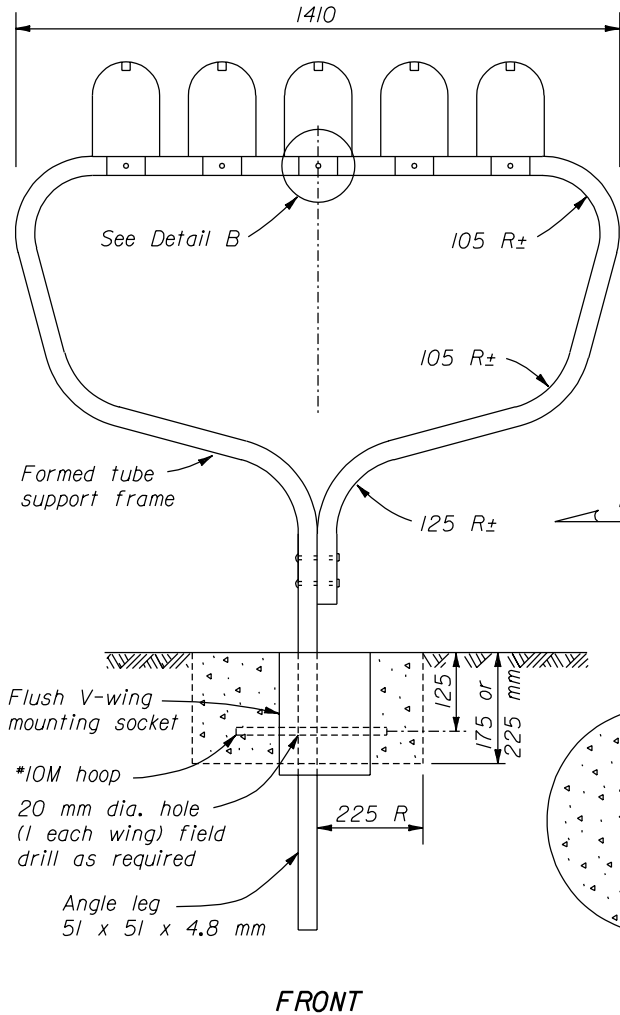
**MAILBOX TURNOUT AND INSTALLATION**

DETAIL APPROVED FOR USE 3/1996

REVISOR: \_\_\_\_\_

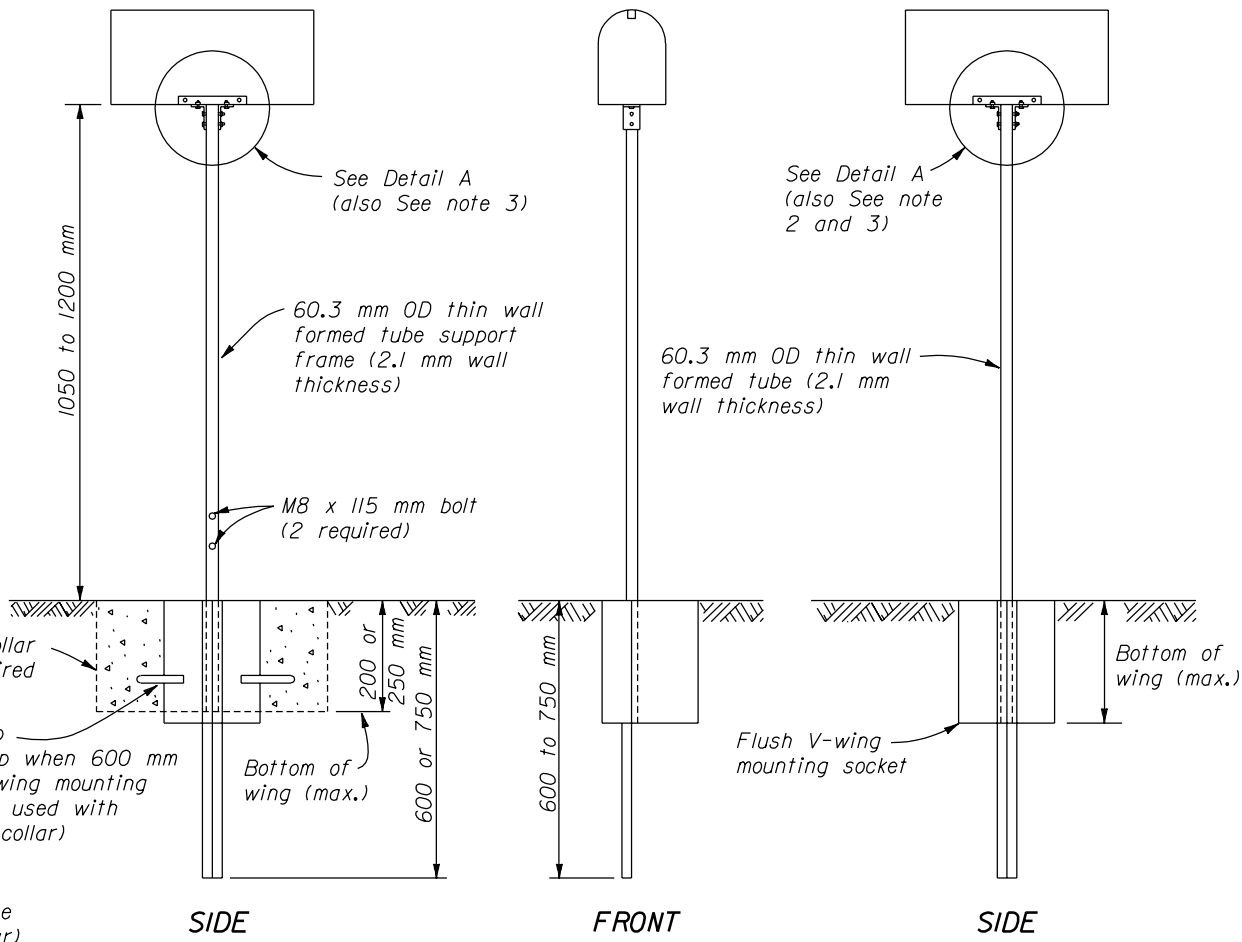
DETAIL WM670-50

NO SCALE



FRONT

**MULTIPLE SUPPORT**

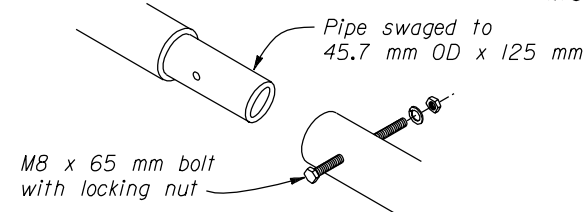


SIDE

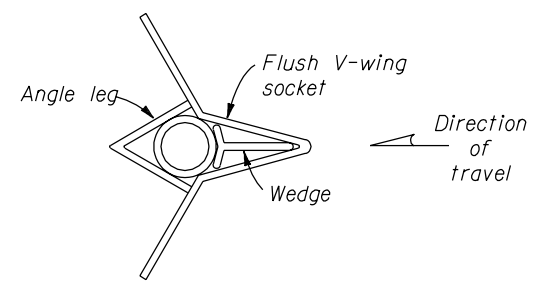
FRONT

SIDE

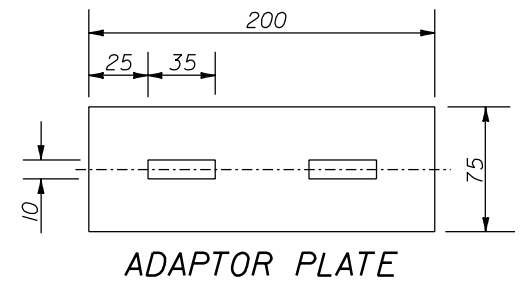
**SINGLE SUPPORT**



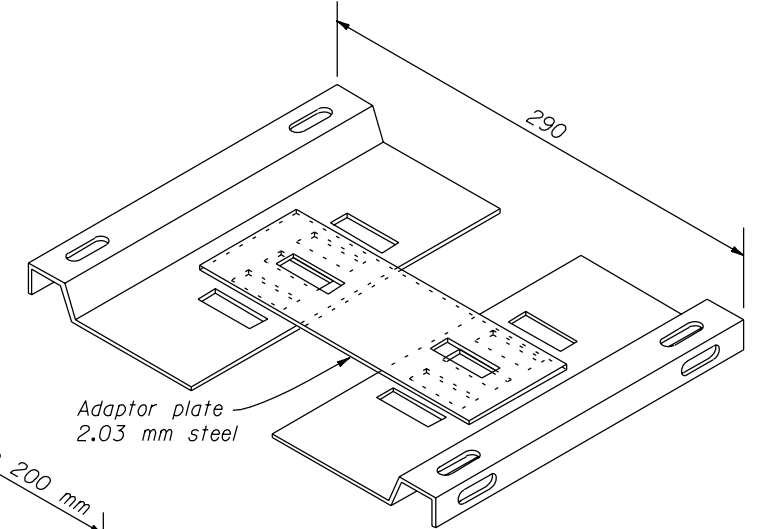
DETAIL B



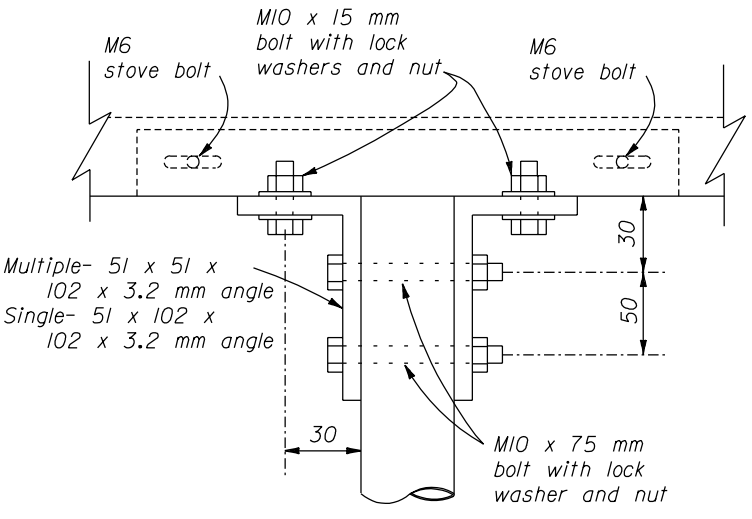
POST MOUNTING SOCKET



ADAPTOR PLATE

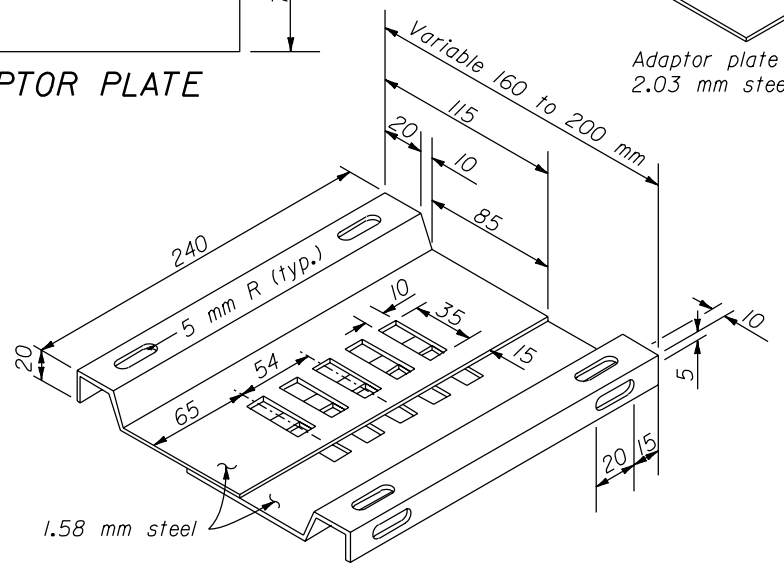


SIZE 2 WITH ADAPTOR PLATE MOUNTING BRACKET



DETAIL A

FLUSH V-WING SOCKET USE CHART		
MAILBOX LOCATION	SINGLE SUPPORT	MULTIPLE SUPPORT
Through new or existing pavement	600	600
Through well consolidated material	600 (750 mm with size 2)	750
Through new rock surfacing and subgrade	750	600 mm with conc. collar
Through new rock surfacing and subgrade, subject to saturated soils or freeze/thaw conditions	750 (600 mm with conc. collar)	750 mm with conc. collar



SIZES 1 AND 1/2 MOUNTING BRACKET

NO SCALE

- NOTE:**
- Dimensions not labeled are in millimeters.
  - Install angle connections parallel to traffic flow for size 2 mailbox mounted on single posts.
  - Size 2 mailbox mounted on a multiple support requires 2 each, M10 x 15 mm bolts with lock washers and nuts to attach the adapter plate to the mounting bracket. The unit will then require 4 angle connections to attach to the formed tube support frame. See Detail A.
  - Pour concrete collar, if required, in place after flush V-wing socket has been installed, level and plumb. Do not excavate below bottom of wing.
  - Space multiple support frames a minimum of 1200 mm apart. Space single support frames a minimum of 900 mm apart. Do not place more than five no. 1 mailboxes, three no. 2 mailboxes, or four on any combination of no's. 1, 1-A and 2 mailboxes on a multiple support frame.
  - Approved alternate mailbox assemblies may be used.
  - Furnish hardware in the metric sizes shown. Equivalent imperial sizes may be used when sizes are not available.

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION

**METRIC DETAIL**

**MAILBOX ASSEMBLY**

DETAIL APPROVED FOR USE 3/1996

REVISOR: \_\_\_\_\_

DETAIL WM670-51

13 DEC 2000 f:\standrow\metric\details\wm67051.dgn