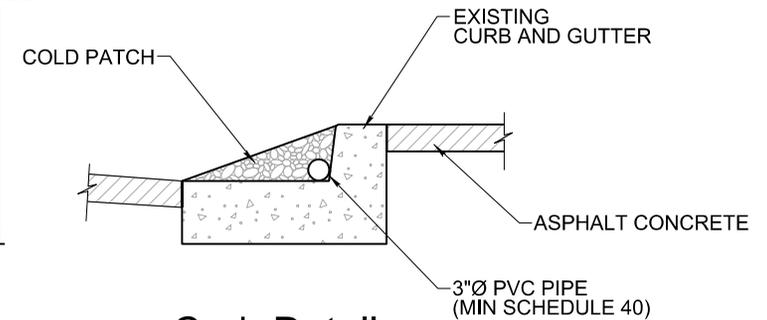
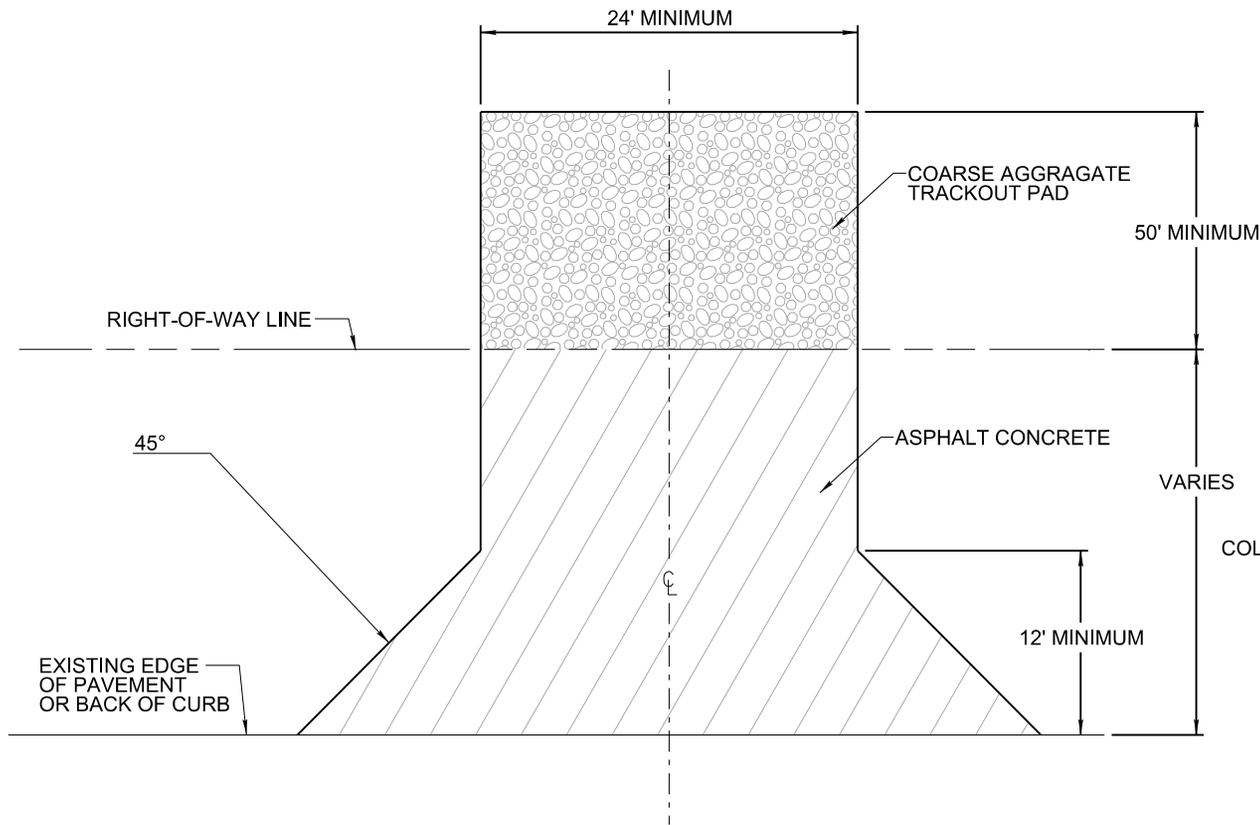


Interim Revisions to 2016 Maricopa County Standard Details

The following details supersede existing details published in the *Maricopa County Department of Transportation Supplement to the Maricopa Association of Governments' Uniform Standard Specifications and Details for Public Works Construction* Dated January 2016.

| <u>Detail Number</u> | <u>Description</u> |
|-----------------------------|---|
| 2001 | Temporary Site Access with Trackout Pad |
| 2031-A | DELETED – Replaced by Detail 2031 |
| 2031 | Radial Curb Ramps 30' & 35' Curb Returns (2 Pages, Dated 08/10/2016)* |
| 2032 | Curb Ramps for Residential Intersections (Dated 08/11/2016)* |
| 2054-1 | Street Name Sign Installation Details Posted Speed Limit of 25 MPH or Less |
| 2054-1A | Sample Street Name Sign for Posted Speed Limit of 25 MPH or Less |
| 2054-2 | Street Name Sign Installation Details Posted Speed Limit of 30 MPH or Greater |
| 2054-2A | Sample Street Name Sign for Posted Speed Limit of 30 MPH or Greater |
| 4780-2 | Metro Street Sign Layout and Installation on Traffic Signal Poles |
| * | Indicates revision posted in August |



Curb Detail

USE WHEN EXISTING ROAD HAS A CURB

GENERAL NOTES

1. TEMPORARY SITE ACCESS WITHIN COUNTY RIGHT-OF-WAY SHALL BE PAVED, MINIMUM STRUCTURAL SECTION SHALL BE 2 ½" OF ASPHALT CONCRETE ON NATIVE SOIL.
2. COARSE AGGREGATE SHALL BE 6" THICK WITH 1" TO 3" DIAMETER GRAVEL.
3. TEMPORARY SITE ACCESS SHALL NOT ALTER OR IMPEDE EXISTING DRAINAGE.
4. THE MINIMUM REQUIRED CLEAR DISTANCE FROM AN INTERSECTION IS 50 FEET.
5. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRACKOUT AND DUST CONTROL.
6. CONTRACTOR SHALL SWEEP ROADWAY AS NECESSARY.
7. CONTRACTOR IS RESPONSIBLE FOR RESTORING RIGHT-OF-WAY TO ORIGINAL CONDITION, INCLUDES ROADWAY AND SIDEWALK.
8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN APPROVED TRAFFIC CONTROL PLAN.
9. TEMPORARY SITE ACCESS SHALL BE REMOVED WHEN NO LONGER REQUIRED.

MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION

STANDARD DETAIL

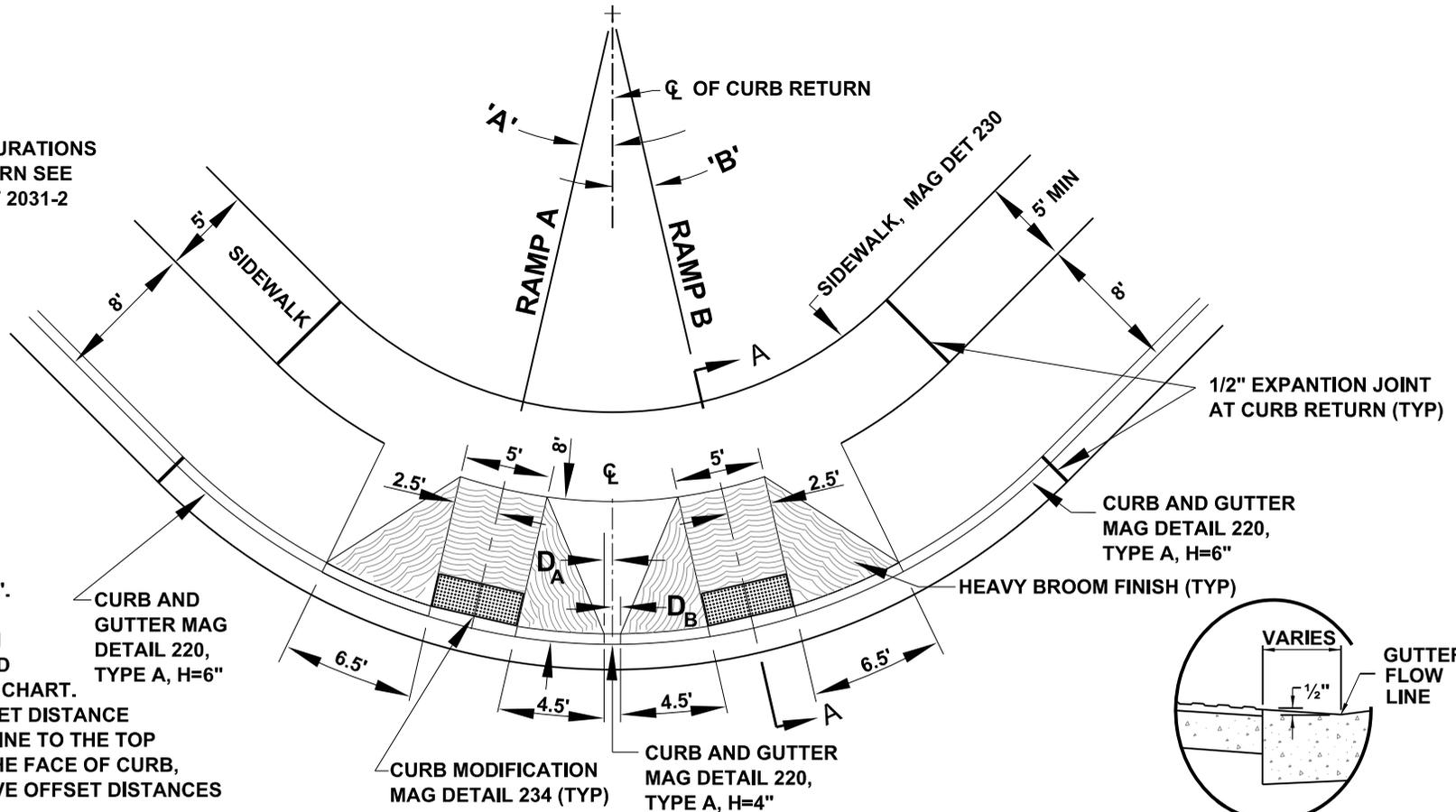
TEMPORARY SITE ACCESS
WITH TRACKOUT PAD

DATE:
05/05/2016

DETAIL NO.
2001

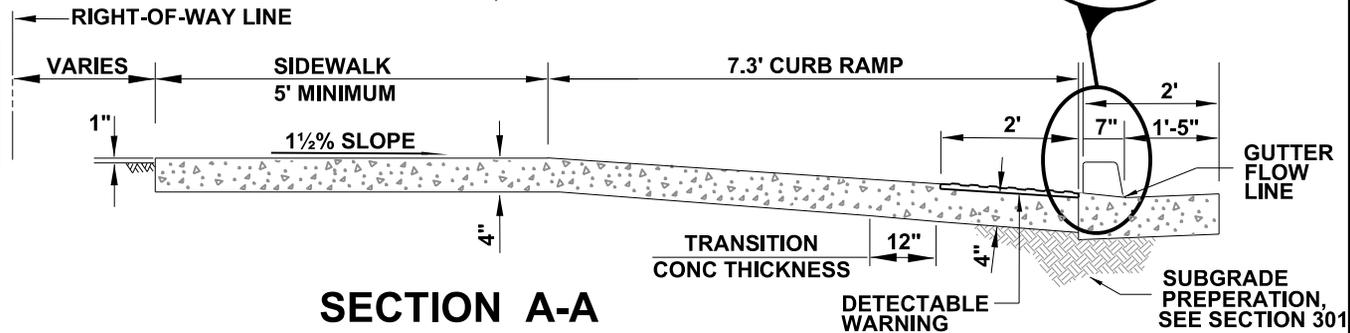
NOTES:

1. FOR OTHER SIDEWALK CONFIGURATIONS APPROACHING THE CURB RETURN SEE TRANSITION DETAILS ON SHEET 2031-2
2. CLASS "B" CONCRETE PER SECTION 725.
3. CONSTRUCTION SHALL CONFORM TO SECTION 340.
4. SIDEWALK SURFACE TO MATCH 1½% SLOPE FROM TOP OF CURB.
5. A SPECIAL DESIGN IS REQUIRED WHEN THE GUTTER GRADE AROUND THE RETURN EXCEEDS 2%
6. CURB RAMP LOCATIONS ARE DEFINED BY ANGLES 'A' AND 'B'. DEFAULT VALUES OF ANGLES 'A' AND 'B' ARE DEPENDENT ON THE CURB RETURN RADIUS AND ARE AS SHOWN IN THE BELOW CHART. THE DISTANCE (D) IS THE OFFSET DISTANCE FROM CURB RETURN CENTERLINE TO THE TOP OF WING MEASURED ALONG THE FACE OF CURB, D_A AND D_B ARE THE RESPECTIVE OFFSET DISTANCES TO RAMP A AND RAMP B.



| RETURN RADIUS @ FACE OF CURB | DEFAULT VALUES | | | | MINIMUM VALUE 'A'+ 'B' |
|------------------------------|----------------|-----|----------------|----------------|------------------------|
| | 'A' | 'B' | D _A | D _B | |
| 35' | 13° | 13° | 11" | 11" | 25° |
| 30' | 15° | 15° | 10" | 10" | 29° |

THE DEFAULT VALUES FOR 'A' AND D_A AND/OR ANGLE 'B' AND D_B ARE TO BE MODIFIED BY THE ENGINEER WHEN OBJECTS CONFLICT WITH CONSTRUCTION OF A CURB RAMP AT THE STANDARD LOCATION OR WHEN A MODIFIED ANGLE WILL BETTER MATCH THE CROSSWALK ALIGNMENT.



SECTION A-A

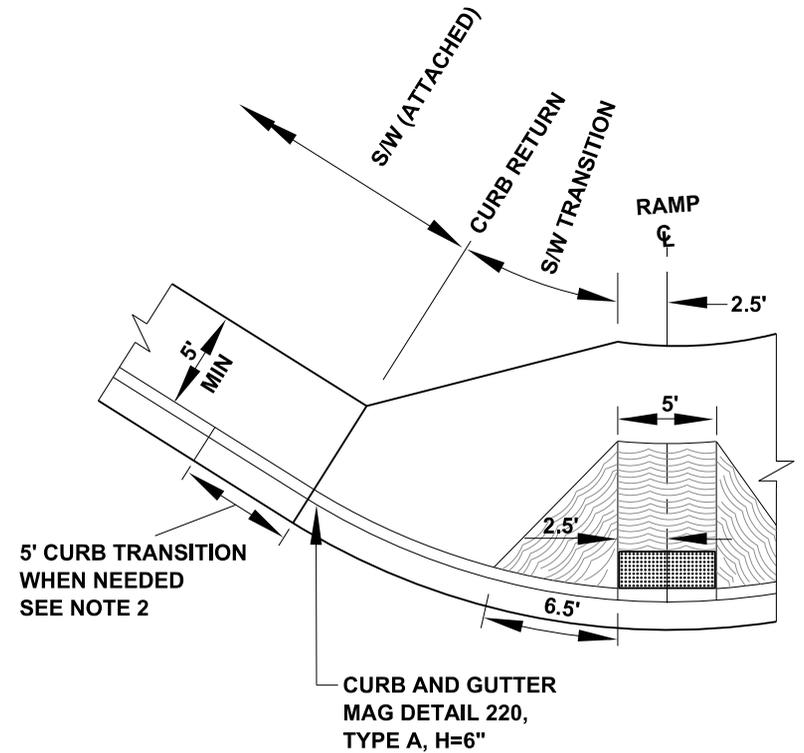
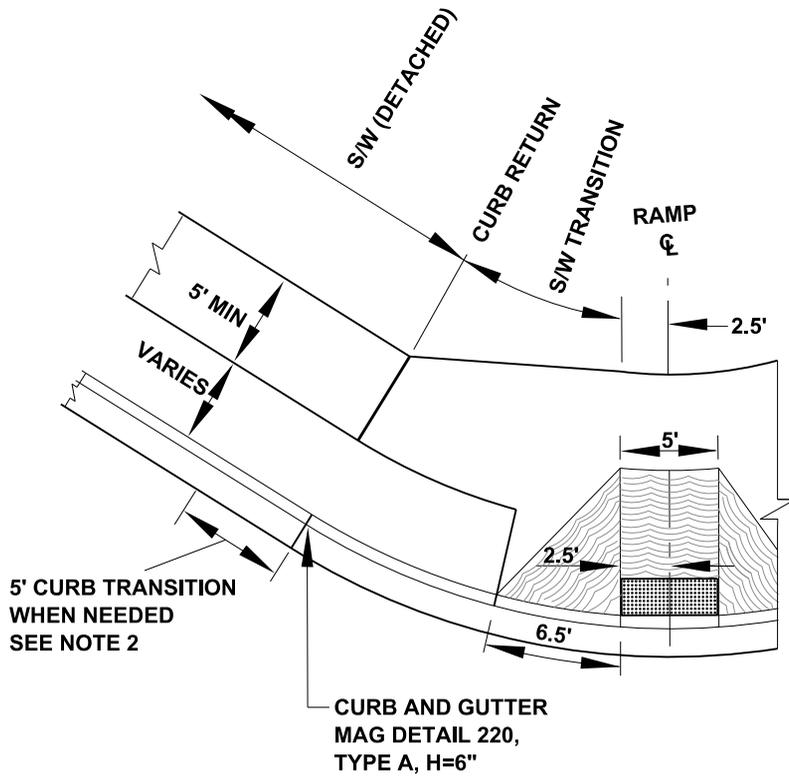
MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION

STANDARD DETAIL

**RADIAL CURB RAMPS
30' & 35' CURB RETURNS**

DATE:
08/25/2016

DETAIL NO.
2031-1



**TRANSITION FOR DETACHED SIDEWALK
WITH OFFSET LESS THAN 8'**

TRANSITION FOR ATTACHED SIDEWALK

NOTES:

1. DETAILS SHOW CONFIGURATIONS FOR ALTERNATIVE SIDEWALK APPROACHES TO RAMP 'A', USE SIMILAR CONFIGURATION FOR SIDEWALK APPROACHES TO RAMP 'B'.
2. SIDEWALK SURFACE SHALL MATCH 1.5% SLOPE FROM TOP OF CURB.

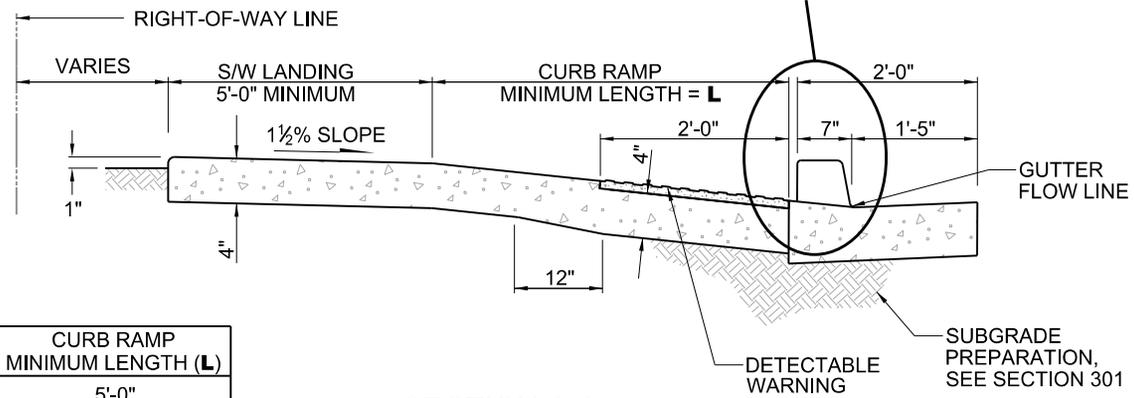
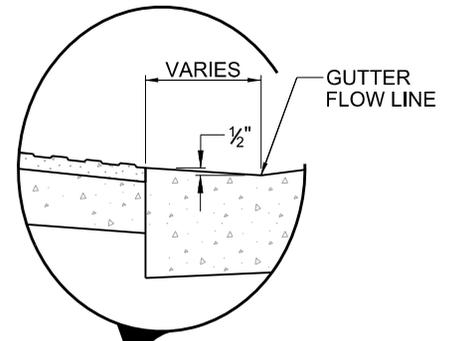
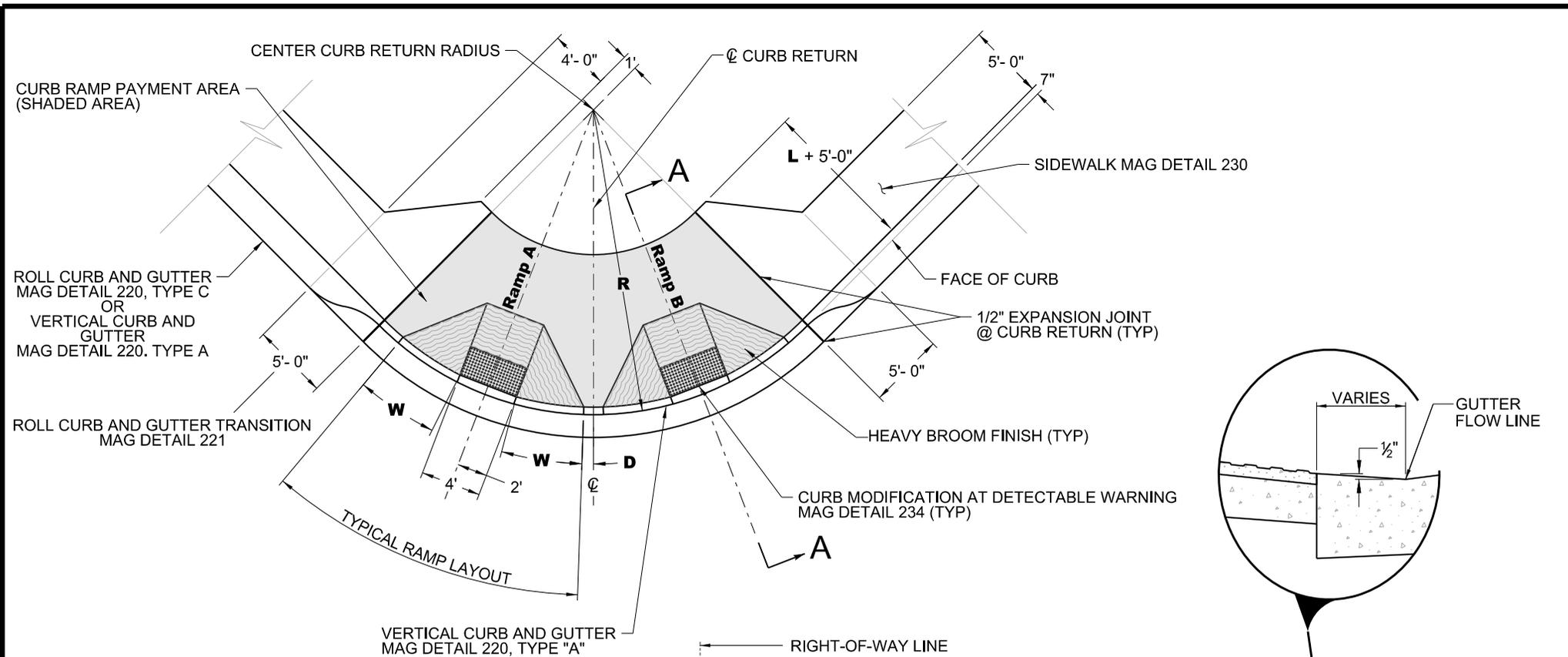
MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION

STANDARD DETAIL

**RADIAL CURB RAMPS
30' & 35' CURB RETURNS**

DATE:
08/25/2016

DETAIL NO.
2031-2



- NOTES:**
1. CONCRETE SHALL BE CLASS 'B' PER SECTION 725.
 2. CONSTRUCTION SHALL CONFORM TO SECTION 340.
 3. SIDEWALK SURFACE TO MATCH 1½% SLOPE FROM TOP OF CURB.
 4. A SPECIAL DESIGN IS REQUIRED WHEN THE GUTTER GRADE AROUND THE RETURN EXCEEDS 2%.
 5. THIS DETAIL TO BE USED FOR INTERSECTIONS OF RESIDENTIAL-RESIDENTIAL AND RESIDENTIAL-MINOR COLLECTOR ROADWAYS.

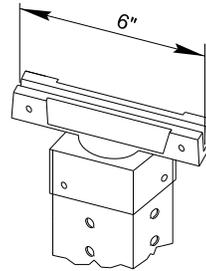
| CURB HEIGHT | RETURN RADIUS (R) @ FACE CURB | MINIMUM WING LENGTH (W) ALONG FACE OF CURB | Ø OFFSET (D) @ FACE OF CURB | CURB RAMP MINIMUM LENGTH (L) |
|-------------|-------------------------------|--|-----------------------------|------------------------------|
| 4" | 20' or 25' | 4'-6" | 10" | 5'-0" |
| 6" | 25' | 6'-6" | 6" | 7'-6" |



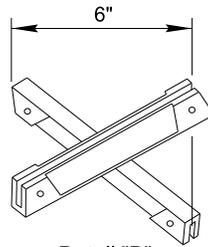
Street name sign blank for speed limit of 25 MPH or less

Series "D" Lettering

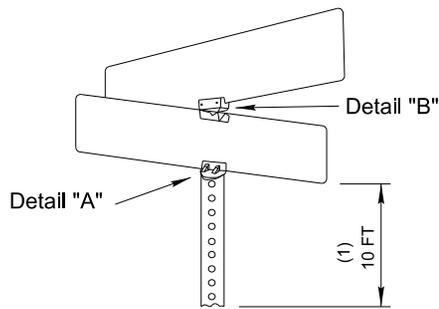
See Detail 2054-1A



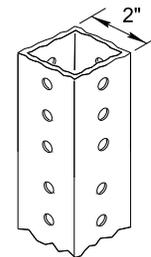
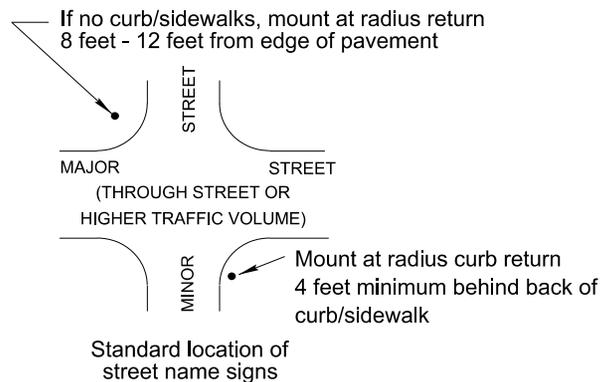
Detail "A"
Street name sign bracket to square tube post (MCDOT Detail 2062-1)



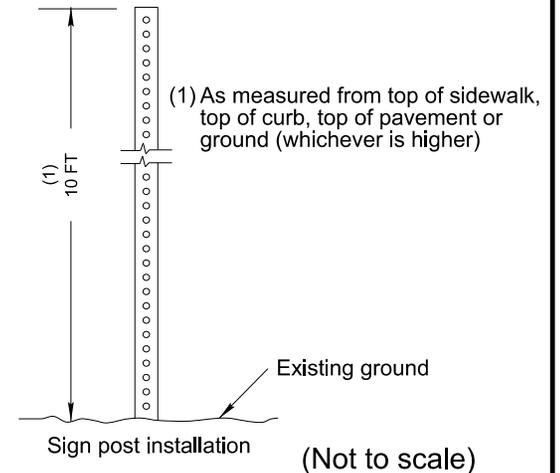
Detail "B"
sign to sign bracket (MCDOT Detail 2062-2)



Height to bottom of sign



Square Tube Post (2.6 LB./FT)



NOTES

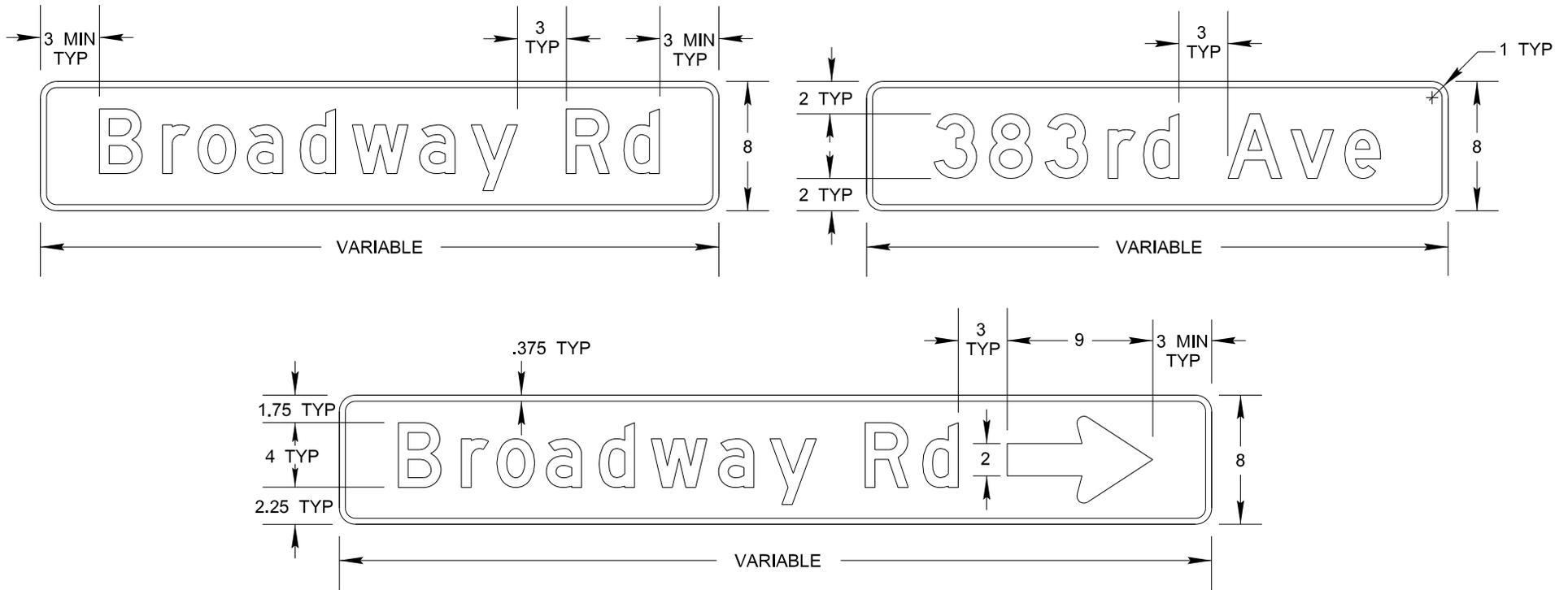
1. Sign lengths shall be determined by the number of letters and spacing requirements.
2. All signs shall be fabricated with 4 inch white upper-case and lower-case letters.
3. Diamond Grade sheeting shall be used for all letters and background.
4. Background color shall be:
Blue - private roadways
Green - open and declared public roads
5. All signs shall be mounted on 2.6 LB/FT square perforated sign post.
6. Thickness of all sign blanks shall be .125 inches.
7. Square tubing shall be assembled as shown in MCDOT Standard Detail 2058.
8. Signs shall be installed per standard location shown below left.
9. All dimensions are in inches, except as noted.
10. Refer to MCDOT Standard Detail 2061-10A for sign blanks.
11. Use Grade # 2, Zinc coated, 18 NC thread, 3" x 5/16" bolt with flat washer under nut and flat washer under head to attach sign to bracket.

MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION
STANDARD DETAIL

**STREET NAME SIGN INSTALLATION DETAILS
POSTED SPEED LIMIT OF 25 MPH OR LESS**

REVISED DATE 2/2016

DATE: 6/2002
DETAIL NO. 2054-1



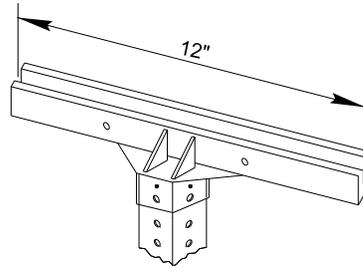
Notes:

1. Series "D" Lettering (Standard Highway Signs as Published by FHWA)
2. All signs shall be fabricated with 4 inch white upper-case and lower-case letters.
3. Diamond Grade sheeting shall be used for all letters and background.
4. Background color shall be:
Blue - private roadways
Green - open and declared public roads
5. See latest version of Standard Highway Signs Manual for standard arrow details.

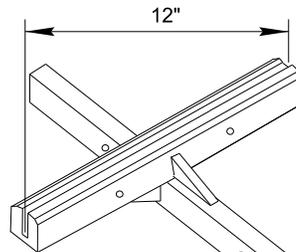
(Not to scale)

(All dimensions are in inches)

| | | |
|--|--|------------------------------|
| MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION STANDARD DETAIL | SAMPLE STREET NAME SIGN FOR POSTED SPEED LIMIT OF 25 MPH OR LESS | REVISED DATE 2/2016 |
| | | DATE: 7/2006 |
| | | DETAIL NO. 2054-1A |



Detail "A"
Street name sign bracket
to square tube post
(MCDOT Detail 2062-5)

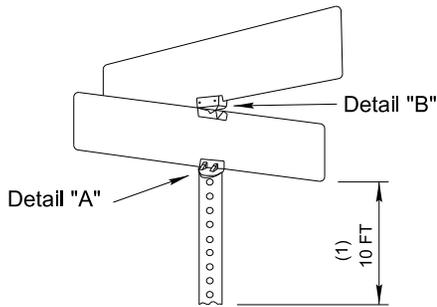


Detail "B"
Sign to sign bracket
(MCDOT Detail 2062-6)

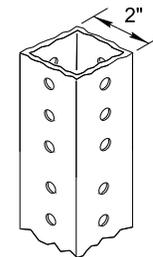
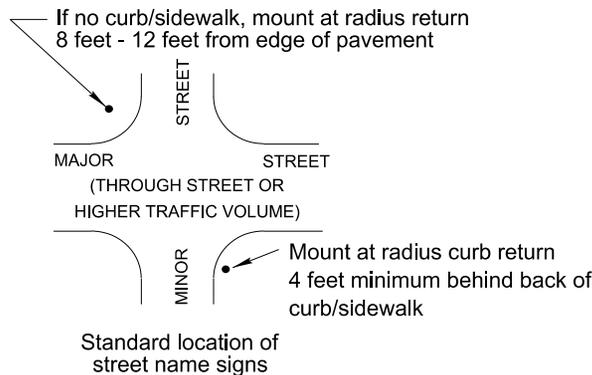
Street name sign blank for speed limit
of 30 MPH and greater

Series "D" Lettering

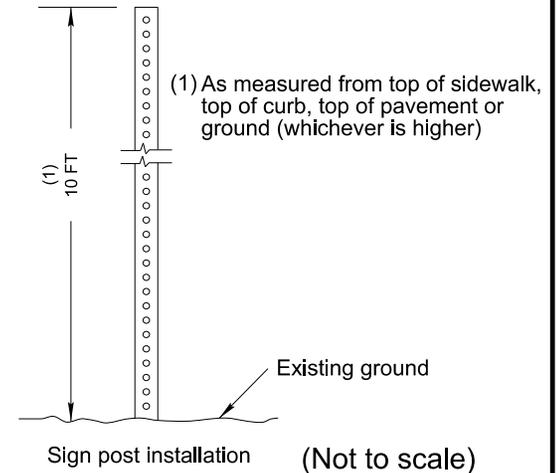
See Detail 2054-2A



Height to bottom of sign



Square Tube Post
(2.6 LB./FT)



NOTES

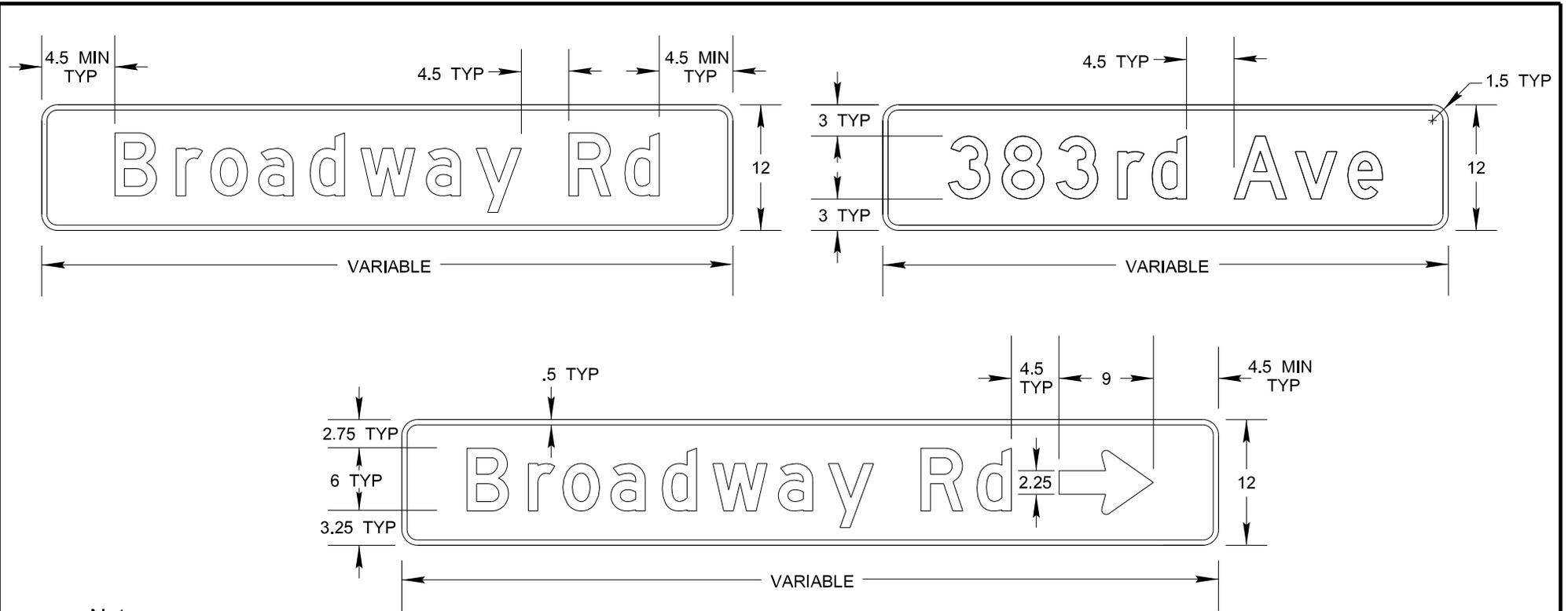
1. Sign lengths shall be determined by the number of letters and spacing requirements.
2. All signs shall be fabricated with 6 inch white upper-case and lower-case letters.
3. Diamond Grade sheeting shall be used for all letters and background.
4. Background color shall be:
Blue - private roadways
Green - open and declared public roads
5. All signs shall be mounted on a 2.6 LB/FT square perforated sign post.
6. Thickness of all sign blanks shall be .125 inches.
7. Square tubing shall be assembled as shown in MCDOT Standard Detail 2058.
8. Signs shall be installed per standard location shown below left.
9. All dimensions are in inches, except as noted.
10. Refer to MCDOT Standard Detail 2061-10B for sign blanks.
11. Use Grade #2, Zinc coated, 18 NC thread, 3" x 5/16" bolt with flat washer under nut and flat washer under head to attach sign to bracket.

MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION
STANDARD DETAIL

**STREET NAME SIGN INSTALLATION DETAILS
POSTED SPEED LIMIT OF 30 MPH OR GREATER**

REVISED DATE 2/2016

DATE: 6/2002
DETAIL NO. 2054-2



Notes:

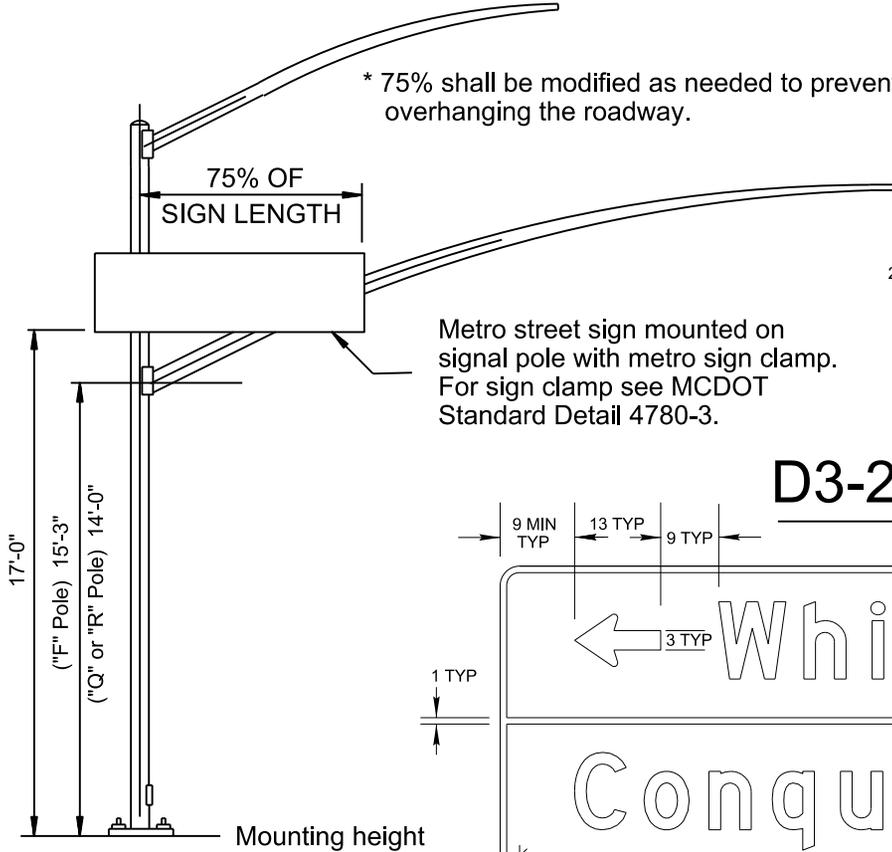
1. Series "D" Lettering (Standard Highway Signs as Published by FHWA)
2. All signs shall be fabricated with 6 inch white upper-case and lower-case letters.
3. Diamond Grade sheeting shall be used for all letters and background.
4. Background color shall be:
 Blue - private roadways
 Green - open and declared public roads
5. See latest version of Standard Highway Signs Manual for standard arrow details.

(Not to scale)

(All dimensions are in inches)

| | | | | |
|--|---|------------------------|-----------------|-----------------------|
| MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION STANDARD DETAIL | SAMPLE STREET NAME SIGN FOR POSTED SPEED LIMIT OF 30 MPH OR GREATER | REVISED DATE 2/2016 | DATE: 7/2006 | DETAIL NO. 2054-2A |
| | | | | |

* 75% shall be modified as needed to prevent overhanging the roadway.

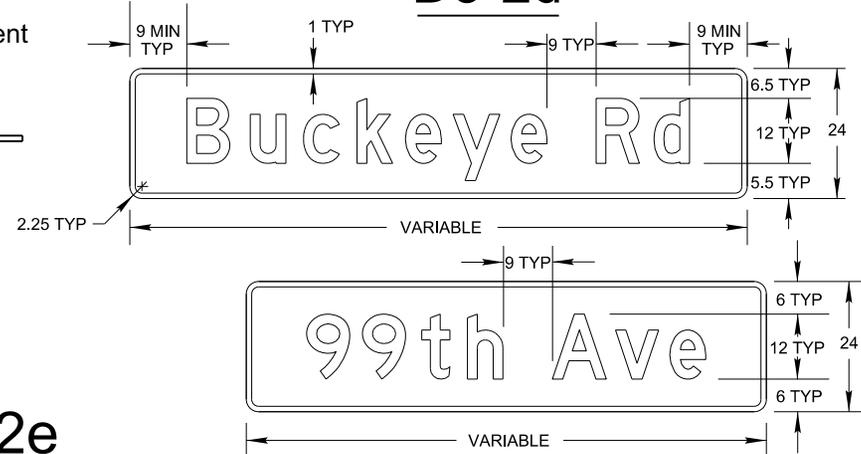


Metro street sign mounted on signal pole with metro sign clamp. For sign clamp see MCDOT Standard Detail 4780-3.

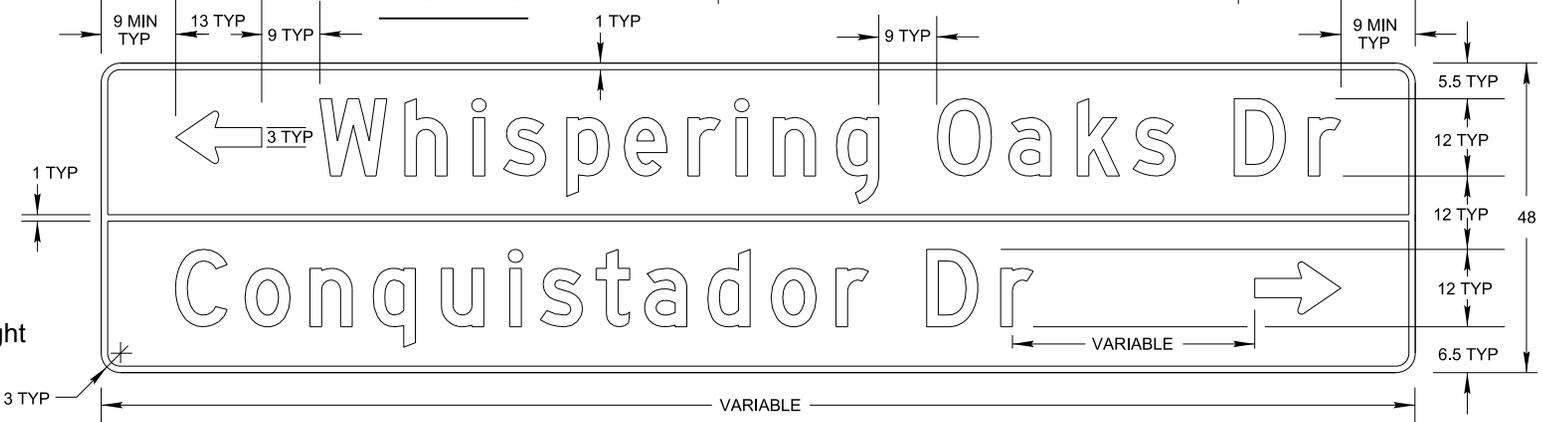
17'-0"
("F" Pole) 15'-3"
("Q" or "R" Pole) 14'-0"
Mounting height

75% OF
SIGN LENGTH

D3-2d



D3-2e



Notes:

1. Diamond Grade sheeting shall be used for all letters and background.
2. Sign lengths shall be determined by the number of letters and spacing requirements.
3. All signs shall be fabricated with 12 inch white upper-case and lower-case letters.
4. Lettering shall be placed on a green background using Series "D" Lettering (Standard Highway Signs as Published by FHWA).

5. See latest version of Standard Highway Signs Manual for standard arrow details.

(Not to scale)

(All dimensions are in inches)

| | | | |
|---|--|----------------------------|-------------------|
| MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION STANDARD DETAIL | METRO STREET SIGN LAYOUT AND INSTALLATION ON TRAFFIC SIGNAL POLES | REVISED DATE 2/2016 | DETAIL NO. |
| | | DATE: 1/2005 | 4780-2 |