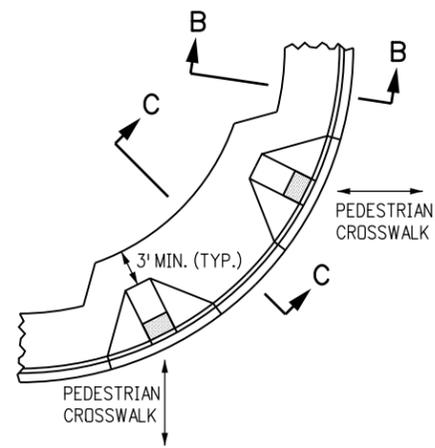
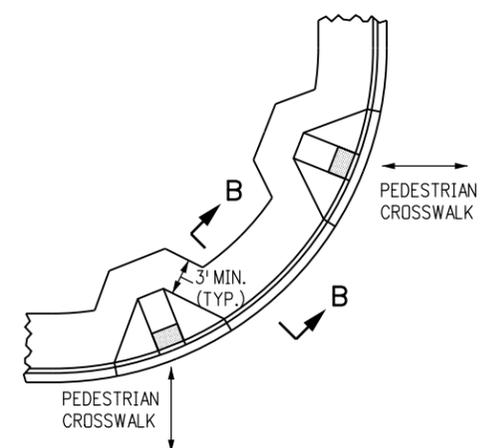


**SIDEWALK RAMP TYPE 1A**



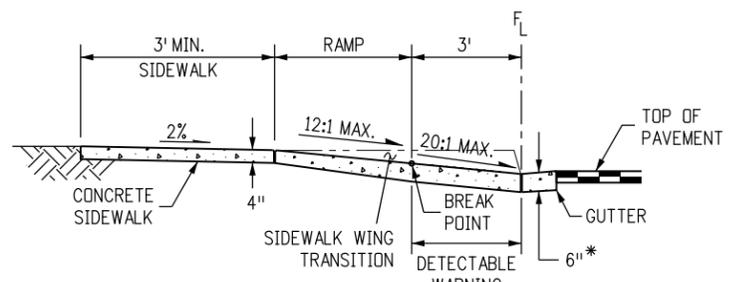
**SIDEWALK RAMP TYPE 1B**



**SIDEWALK RAMP TYPE 1C**

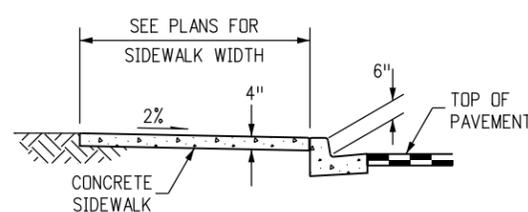
**GENERAL NOTES**

1. THE DETECTABLE WARNINGS SHALL BE INSTALLED AT SIDEWALK TO STREET TRANSITIONS. THEY SHALL HAVE A TRUNCATED DOME SURFACE. THE DOMES SHALL BE IN A SQUARE GRID PATTERN.
2. ALL DETECTABLE WARNING AREAS SHALL START A MINIMUM OF 6 IN. FROM THE FLOW LINE OF THE CURB AND NOT BE MORE THAN A MAXIMUM OF 8 IN. FROM ANY POINT ON THE FLOW LINE OF THE CURB. ALL DETECTABLE WARNING AREAS SHALL BE 2 FT. IN LENGTH AND COVER THE COMPLETE WIDTH OF THE RAMP AREA ONLY.
3. RAMP SLOPES SHALL BE 12:1 OR FLATTER. THE DETECTABLE WARNING SLOPES SHALL BE 20:1 OR FLATTER.
4. MINIMUM SIDEWALK WIDTH IS 3 FT.
5. DO NOT INSTALL DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES, AND OTHER OBSTRUCTIONS IN FRONT OF THE RAMP ACCESS AREAS.
6. CONSTRUCTION OF THE CONCRETE PEDESTRIAN CURB ADJACENT TO THE RAMP AREAS SHALL BE INCLUDED IN THE BID PRICE OF THE CONCRETE CURB RAMP.
7. DETECTABLE WARNINGS SHALL MEET SECTION 705 OF THE USDOT ADA STANDARDS FOR TRANSPORTATION FACILITIES.

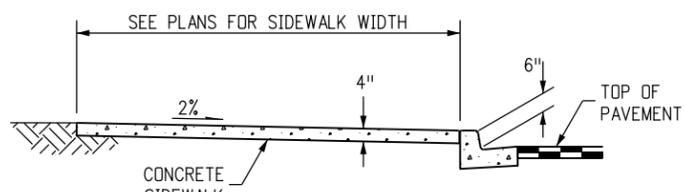


**SECTION A-A**

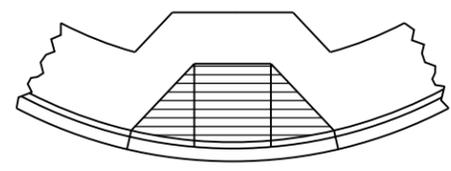
\* INCREASES TO 8" FOR BRICK PAVERS.



**SECTION B-B**

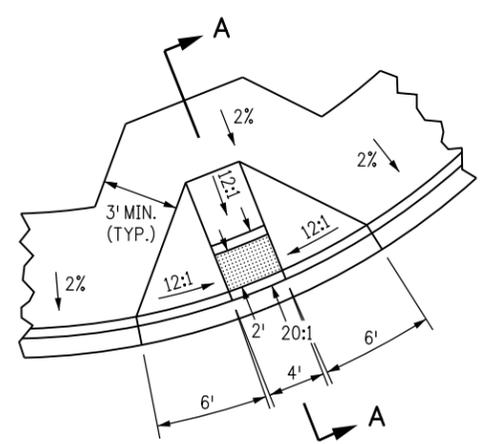


**SECTION C-C**



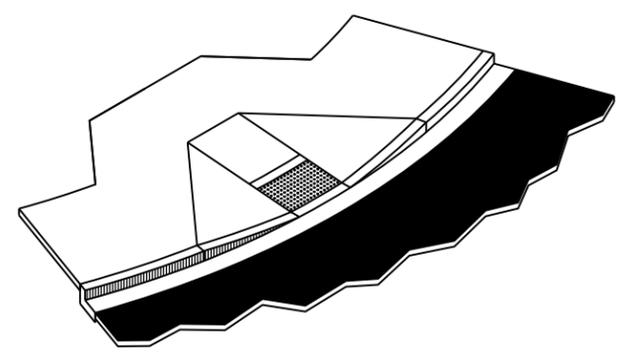
**RAMP PAY AREA**

FOR SIDEWALK RAMP TYPES 1A, 1B, 1C, 1D.

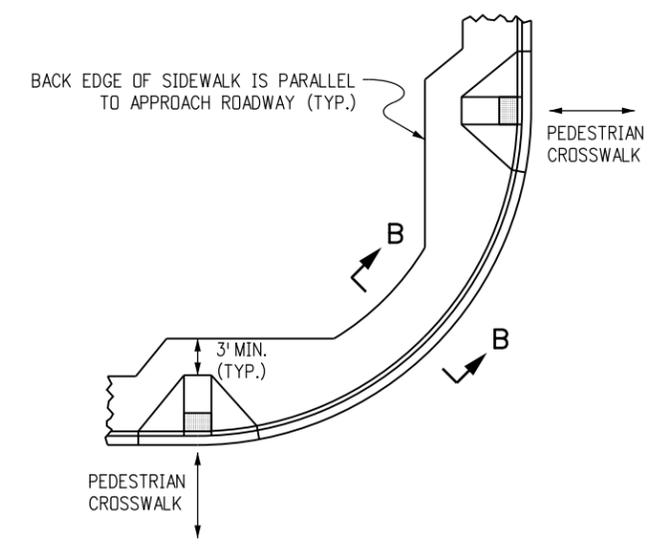


**RAMP DETAIL**

FOR SIDEWALK RAMP TYPES 1B, 1C, 1D.



**ISOMETRIC VIEW**



**SIDEWALK RAMP TYPE 1D**

**Computer File Information**

Creation Date: 07/09/09	Initials: DD
Last Modification Date: 05/05/11	Initials: LTA
Full Path: www.dot.state.co.us/DesignSupport/	
Drawing File Name: 608010106.dgn	
CAD Ver.: MicroStation V8	Scale: Not to Scale Units: English

**Sheet Revisions**

Date	Comments
05/05/11	Changed gutter thickness to 6".
05/05/11	Changed sheet numbers.
05/05/11	Add General Notes 1 through 4.
05/05/11	Added the Plate option.

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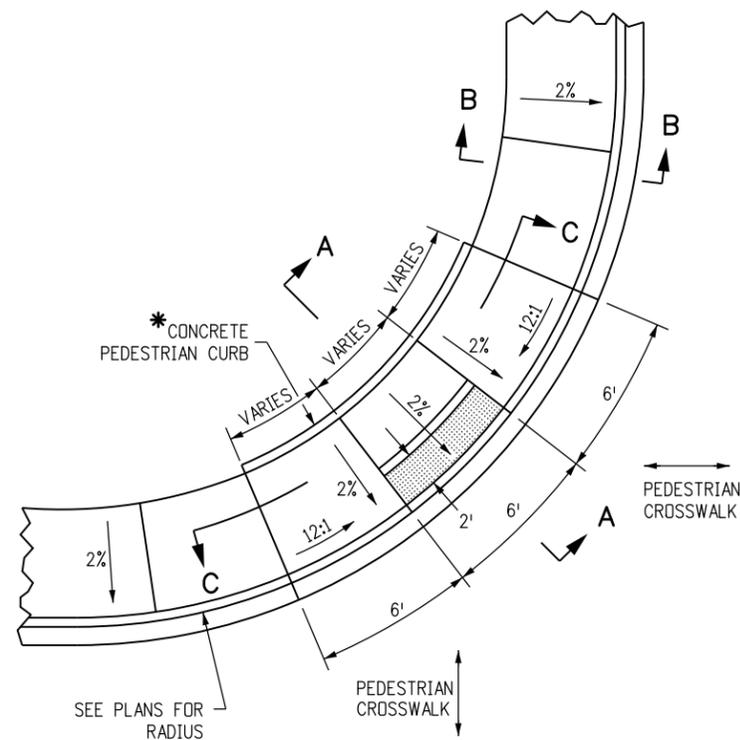
**CURB RAMPS**

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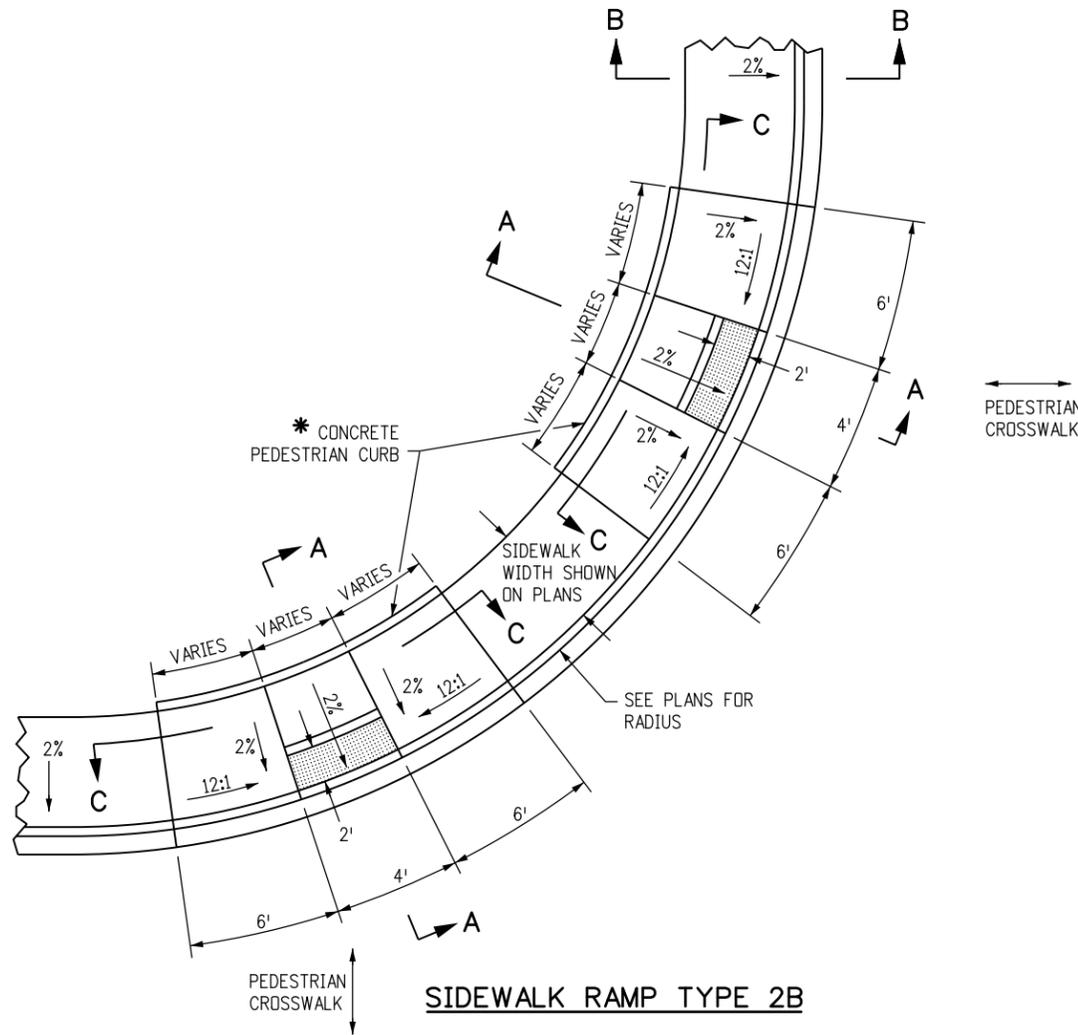
**STANDARD PLAN NO.**

M-608-1

Sheet No. 1 of 6

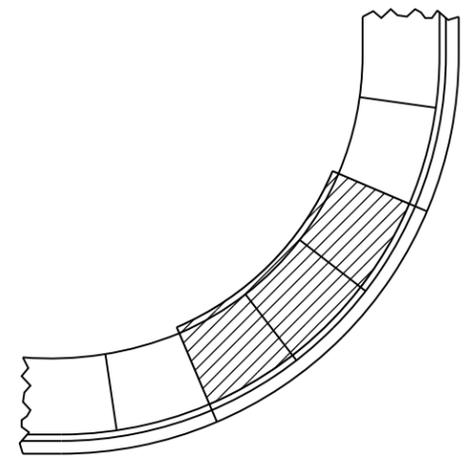


**SIDEWALK RAMP TYPE 2A**



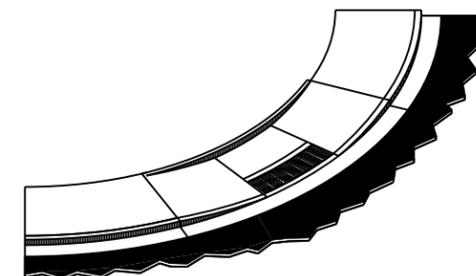
**SIDEWALK RAMP TYPE 2B**

**NOTES**  
1. SIDEWALK RAMP TYPE 2A MAY BE USED IN MID-BLOCK.

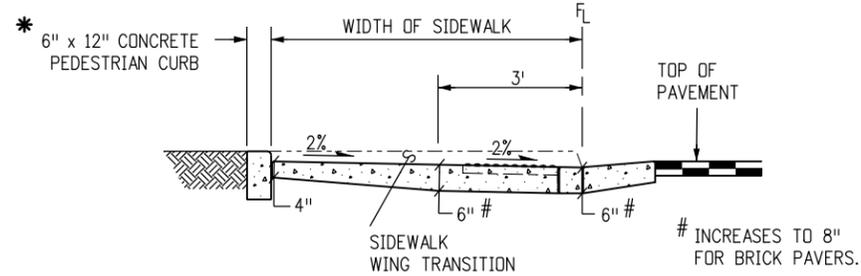


**RAMP PAY AREA**

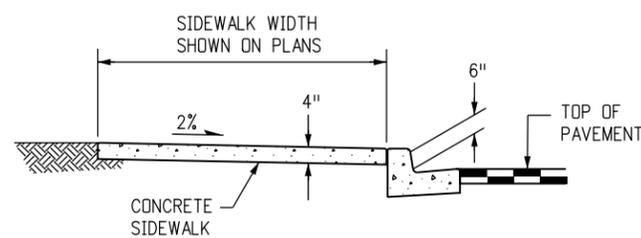
FOR SIDEWALK RAMP TYPES 2A AND 2B.  
\* INCLUDES CONCRETE PEDESTRIAN CURB AS SHOWN.



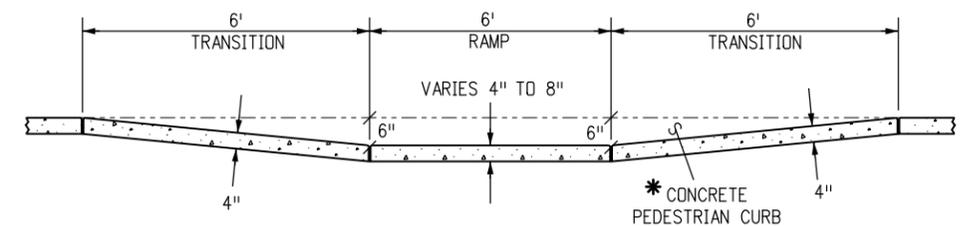
**ISOMETRIC VIEW**



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

**Computer File Information**

Creation Date: 07/09/09 Initials: DD  
Last Modification Date: 05/05/11 Initials: LTA  
Full Path: www.dot.state.co.us/DesignSupport/  
Drawing File Name: 608010206.dgn  
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English

**Sheet Revisions**

Date:	Comments
05/05/11	Changed gutter thickness to 6".
05/05/11	Added ramp pay area footnote.

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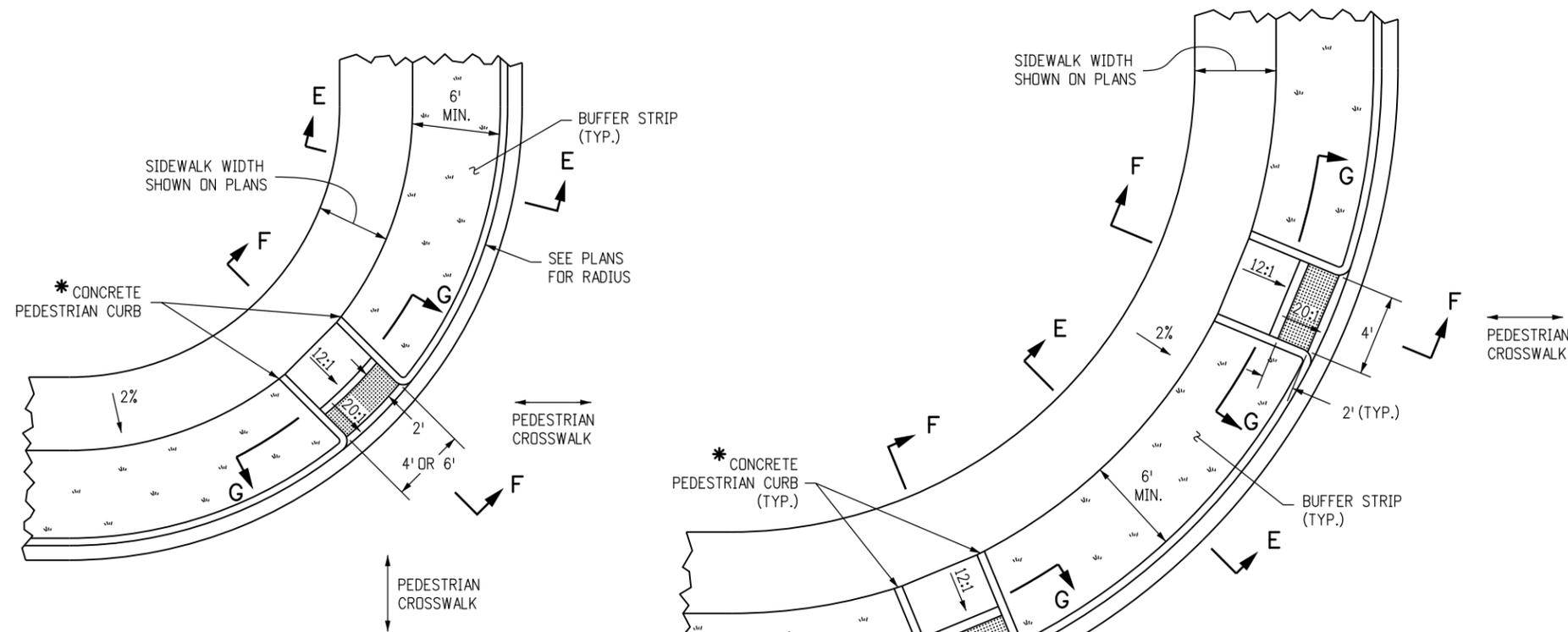
**CURB RAMPS**

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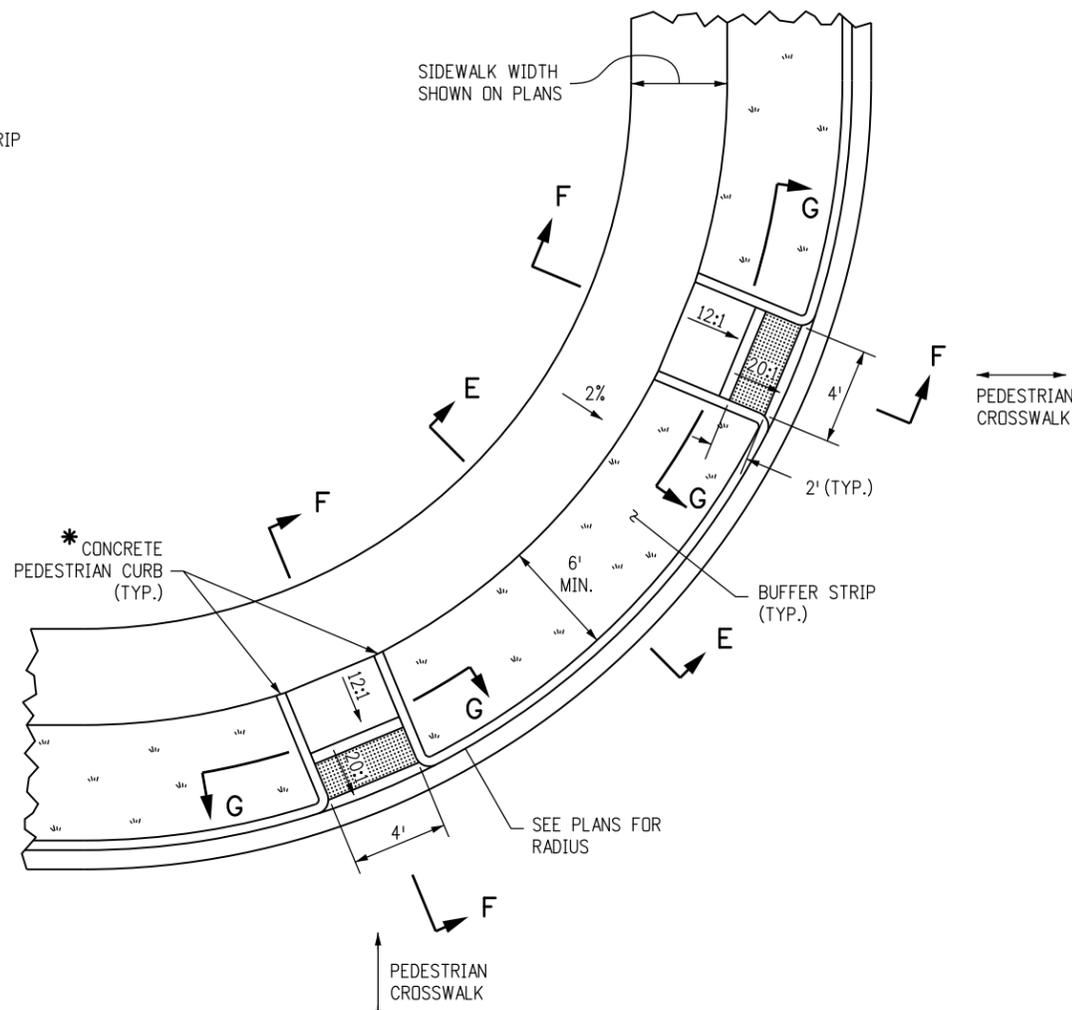
**STANDARD PLAN NO.**

M-608-1

Sheet No. 2 of 6

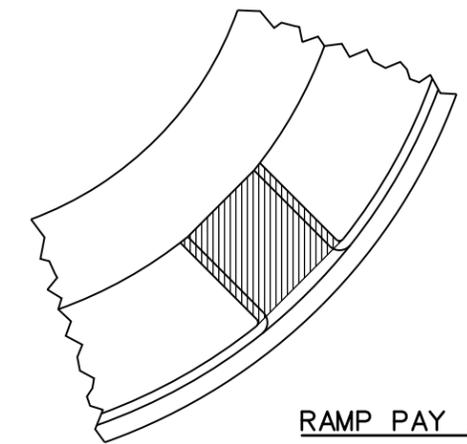


**SIDEWALK RAMP TYPE 3A**

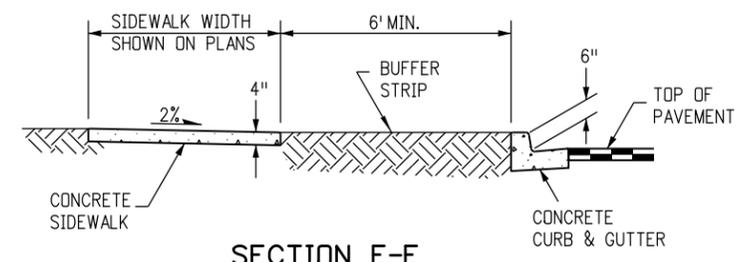


**SIDEWALK RAMP TYPE 3B**

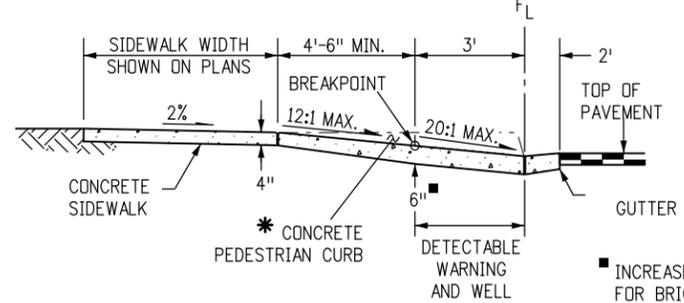
**NOTES**  
 1. SIDEWALK RAMP TYPE 3A MAY BE USED IN MID-BLOCK.



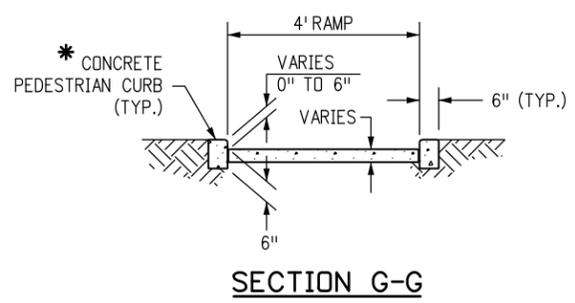
**RAMP PAY AREA**  
 FOR SIDEWALK RAMP TYPES 3A AND 3B.  
 \* INCLUDES CONCRETE PEDESTRIAN CURB AS SHOWN.



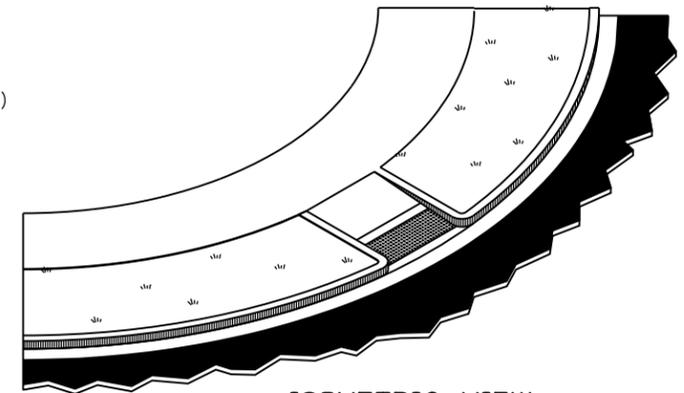
**SECTION E-E**



**SECTION F-F**



**SECTION G-G**



**ISOMETRIC VIEW**

Computer File Information	
Creation Date: 07/09/09	Initials: DD
Last Modification Date: 05/05/11	Initials: LTA
Full Path: www.dot.state.co.us/DesignSupport/	
Drawing File Name: 608010306.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments
05/05/11	Changed gutter thickness to 6".
05/05/11	Added ramp pay area footnote.

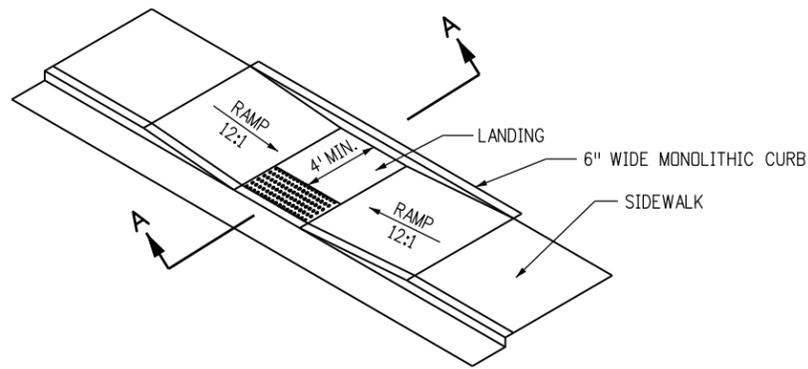
Colorado Department of Transportation  
 4201 East Arkansas Avenue  
 Denver, Colorado 80222  
 Phone: (303) 757-9083  
 Fax: (303) 757-9820

**Project Development Branch** DD/LTA

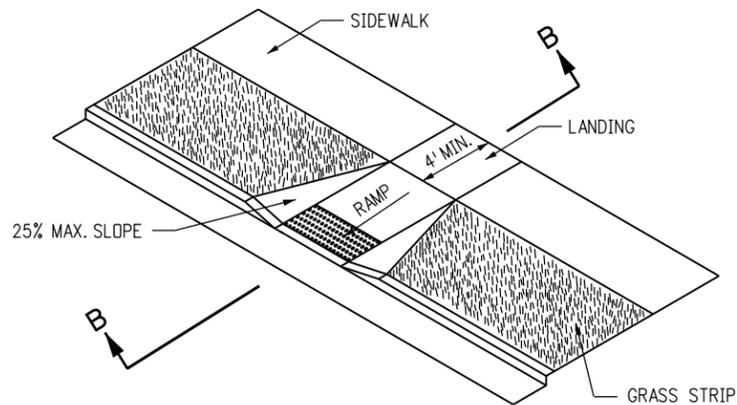
**CURB RAMPS**

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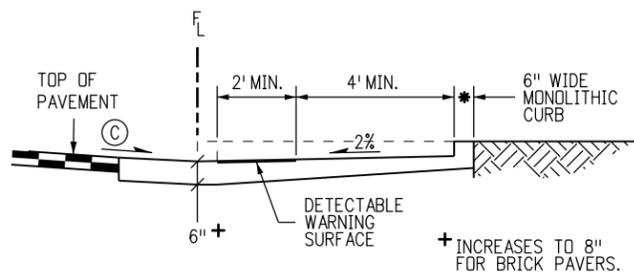
STANDARD PLAN NO.
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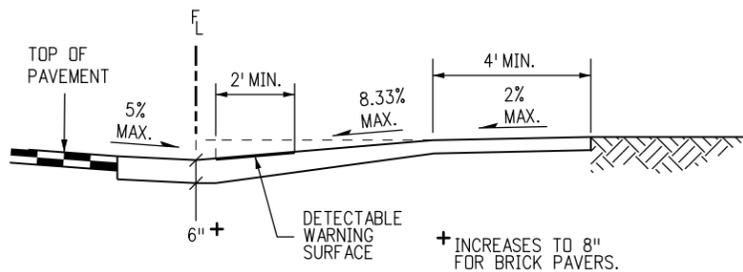
**PARALLEL SIDEWALK RAMP**



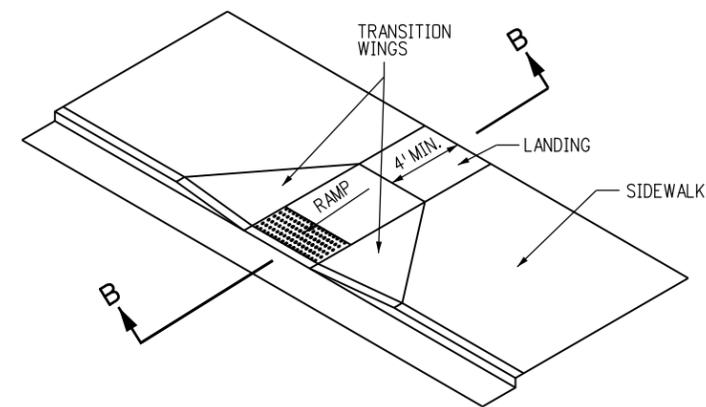
**PERPENDICULAR PEDESTRIAN RAMP**



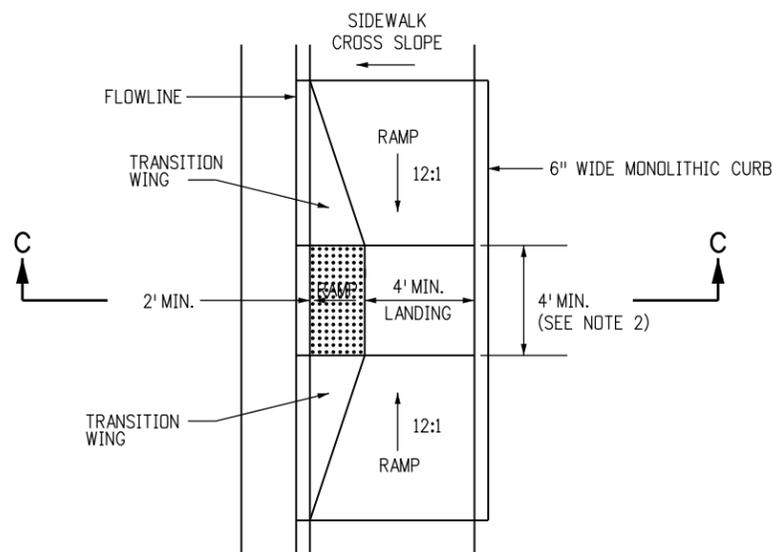
**SECTION A-A**



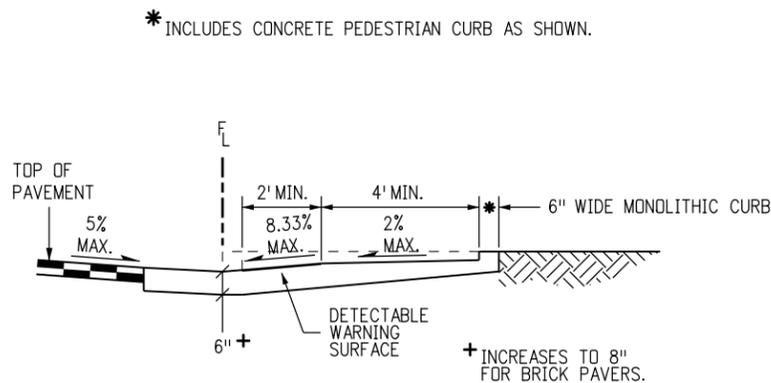
**SECTION B-B**



**PERPENDICULAR PEDESTRIAN RAMP WITHIN SIDEWALK**



**PEDESTRIAN ACCESS RAMP WITHIN SIDEWALK**



**SECTION C-C**

\* INCLUDES CONCRETE PEDESTRIAN CURB AS SHOWN.

**NOTES**

1. PERPENDICULAR AND PARALLEL PEDESTRIAN RAMPS SHOWN ON THIS DRAWING ARE ACCEPTABLE FOR USE AT MID-BLOCK INSTALLATIONS.
2. SITE CONDITIONS WILL VARY. CONFIGURATION OF RAMPS, LANDINGS, AND TRANSITIONS MAY BE CHANGED BUT THEY MUST MEET THE DIMENSIONS AND SLOPES SHOWN HERE. THE USE OF FLARES, CURBWALLS, ETC. ARE AT THE DISCRETION OF THE ENGINEER.
3. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF CURB CUT. SEE "PLAN VIEW OF DETECTABLE WARNING" DETAIL ON SHEET 5 FOR DETECTABLE WARNING SURFACE DIMENSIONS.
4. LOCATE CURB CUT WITHIN CROSSWALK.
5. RAMP GRADE BREAK MUST BE PERPENDICULAR TO THE RUNNING SLOPE.

Computer File Information	
Creation Date: 07/09/06	Initials: DD
Last Modification Date: 05/05/11	Initials: LTA
Full Path: www.dot.state.co.us/DesignSupport/	
Drawing File Name: 608010406.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments
05/05/11	New Ramp Designs
(R-1)	
(R-2)	
(R-X)	
(R-X)	

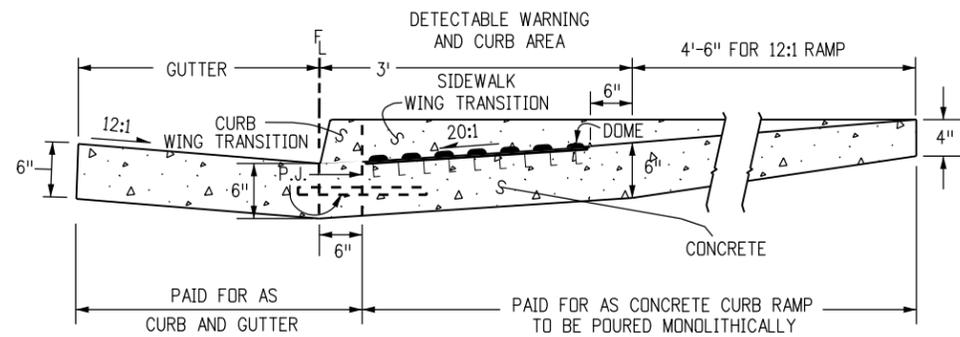
Colorado Department of Transportation  
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 Denver, Colorado 80222  
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**Project Development Branch DD/LTA**

**CURB RAMPS**

Issued By: Project Development Branch on July 04, 2006

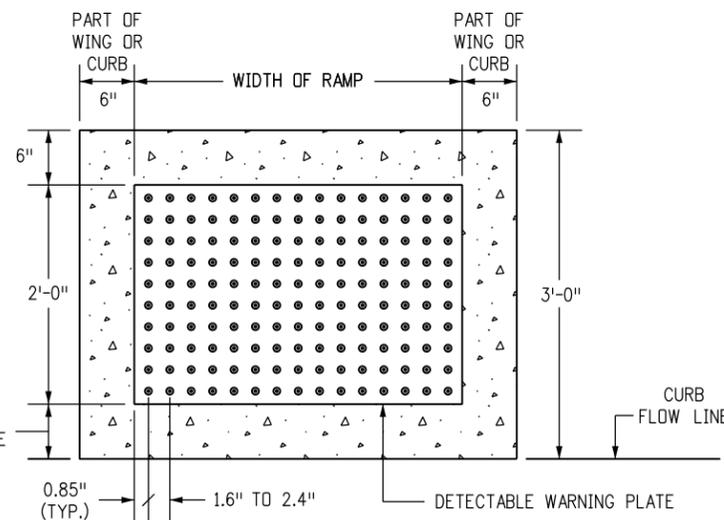
STANDARD PLAN NO.  
**M-608-1**  
 Sheet No. 4 of 6



**DETAIL FOR TYPES 1 AND 3 CURB RAMPS**

P.J. = PERMISSIBLE JOINT WITH EPOXY-COATED DEFORMED NO. 4 BY 18 IN. BARS CONFORMING TO AASHTO M 284 AT 18 IN. SPACING.

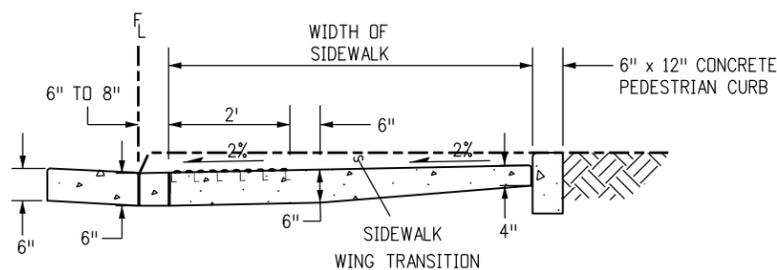
**SIDE CROSS SECTION VIEW OF  
DETECTABLE WARNING, CURB, AND GUTTER**



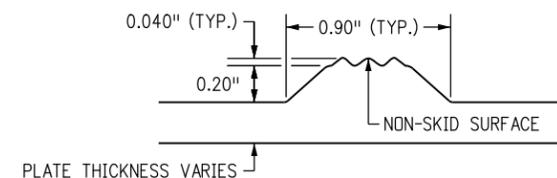
**PLAN VIEW OF  
DETECTABLE WARNING**

**NOTES**

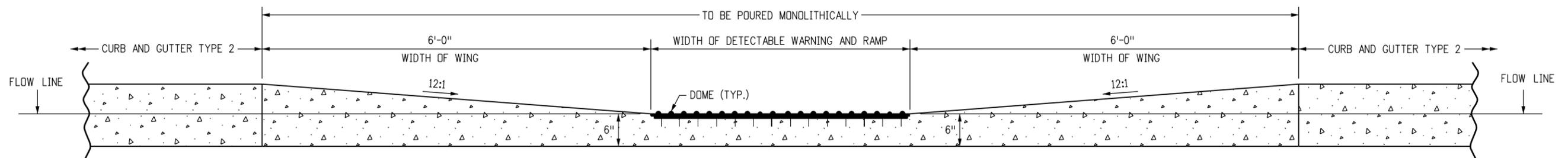
1. THE TRUNCATED DOME PLATE SHALL BE EMBEDDED IN THE CONCRETE CURB RAMP WHILE CONCRETE IS PLASTIC.
2. THE TRUNCATED DOME PLATE TO BE USED SHALL BE ON THE CDOT APPROVED PRODUCT LIST.
3. WHEN DETECTABLE WARNING SURFACE IS CUT, GRIND OFF REMAINING PORTION OF ANY CUT DOMES. SEAL ALL CUT PANEL EDGES TO PREVENT WATER DAMAGE.



**DETAIL FOR TYPE 2 CURB RAMP**



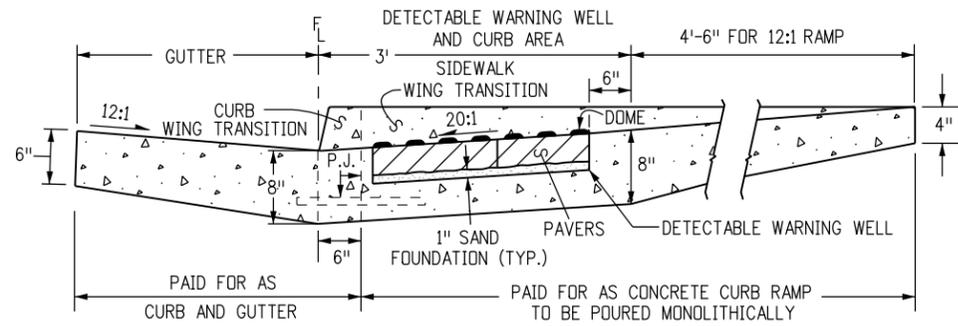
**ELEVATION VIEW OF DETECTABLE WARNING PLATE**



**FRONT SECTION VIEW OF  
DETECTABLE WARNING, CURB, AND GUTTER**

**CURB RAMP WITH A TRUNCATED DOME SURFACE PLATE**

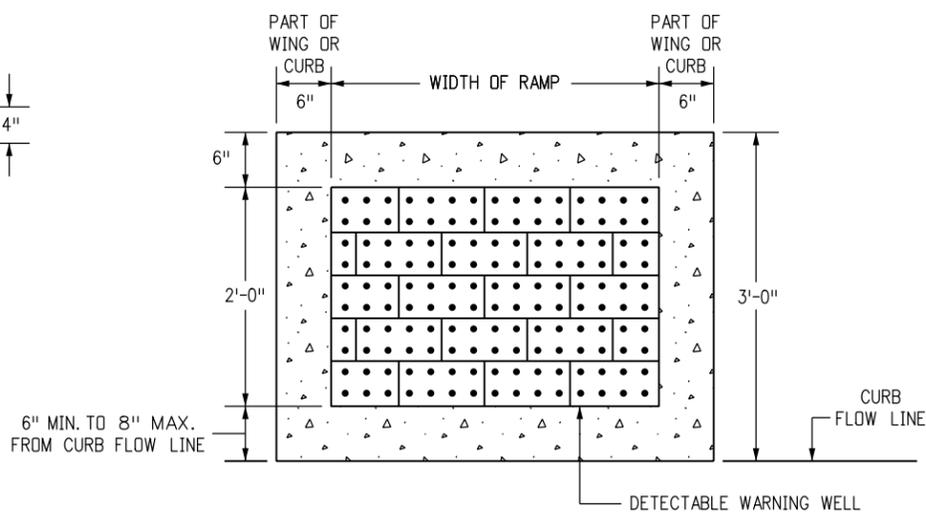
<b>Computer File Information</b>		<b>Sheet Revisions</b>		Colorado Department of Transportation 4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9083 Fax: (303) 757-9820 Project Development Branch DD/LTA	<b>CURB RAMPS</b> Issued By: Project Development Branch on July 09, 2009	<b>STANDARD PLAN NO.</b>
Creation Date: 07/09/09	Initials: DD	Date:	Comments:			M-608-1 Sheet No. 5 of 6
Last Modification Date: 05/05/11	Initials: LTA	(R-1) 05/05/11	Added the Plate option.			
Full Path: www.dot.state.co.us/DesignSupport/	(R-X)					
Drawing File Name: 608010506.dgn	(R-X)					
CAD Ver.: MicroStation V8	Scale: Not to Scale	Units: English	(R-X)			



**DETAIL FOR TYPES 1 AND 3 CURB RAMPS**

P.J. = PERMISSIBLE JOINT WITH EPOXY-COATED DEFORMED NO. 4 BY 18 IN. BARS CONFORMING TO AASHTO M 284 AT 18 IN. SPACING.

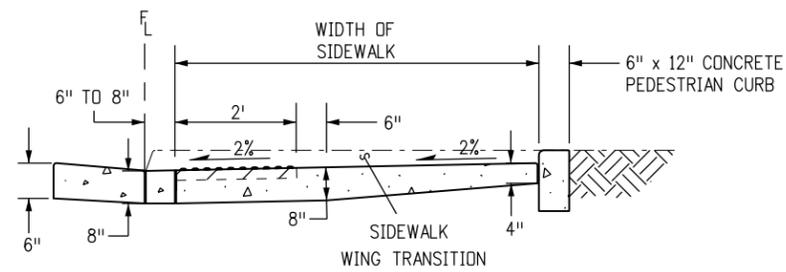
**SIDE CROSS SECTION VIEW OF  
DETECTABLE WARNING, WELL, CURB, AND GUTTER**



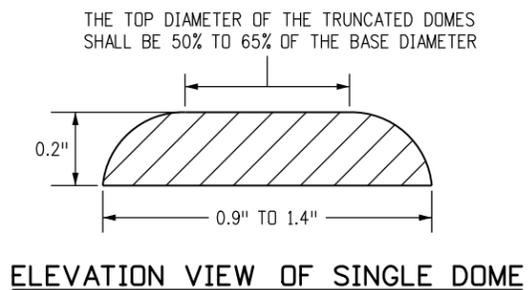
**PLAN VIEW OF  
DETECTABLE WARNING AND WELL**  
(PAVERS NOT DRAWN TO SCALE)

**NOTES**

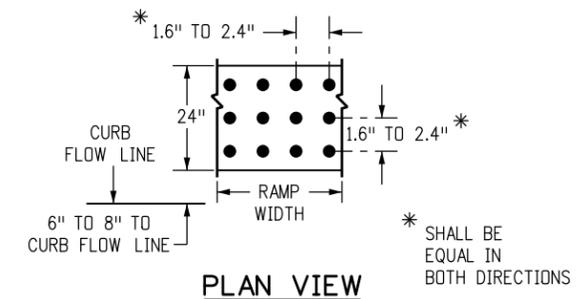
1. THE DETECTABLE WARNINGS SHALL BE MADE OF PAVERS WITH A TRUNCATED DOME SURFACE.
2. THE TOP OF THE DRAINAGE WEEP HOLE SHALL BE LOCATED AT THE LOWEST POINT OF THE DETECTABLE WARNING WELL.
3. RAMP SLOPES SHALL BE 12:1 OR FLATTER. THE DETECTABLE WARNING AND WELL AREA SLOPES SHALL BE 20:1 OR FLATTER.



**DETAIL FOR TYPE 2 CURB RAMP**

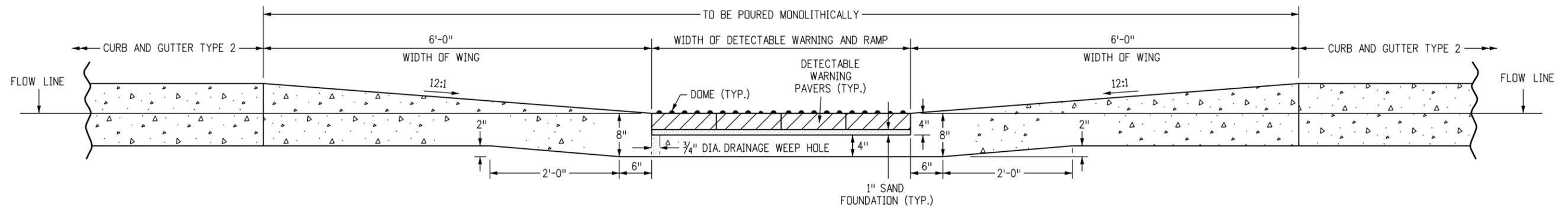


**ELEVATION VIEW OF SINGLE DOME**



**PLAN VIEW**

**DOMES AND DETECTABLE WARNING DETAILS**



**FRONT SECTION VIEW OF  
DETECTABLE WARNING, WELL, CURB, AND GUTTER  
CURB RAMP WITH DOME PAVER OPTION**

Computer File Information	
Creation Date: 07/09/06	Initials: DD
Last Modification Date: 05/05/11	Initials: LTA
Full Path: www.dot.state.co.us/DesignSupport/	
Drawing File Name: 608010606.dgn	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments
05/05/11	Added Paver option.
(R-1)	
(R-2)	
(R-X)	
(R-X)	

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**CURB RAMPS**

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Sheet No. 6 of 6