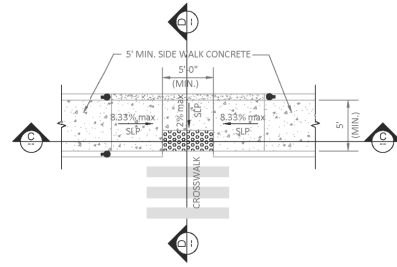
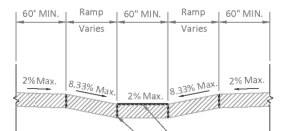


PEDESTRIAN PUSH BUTTON
MOUNTING HEIGHT = 3'6"
ABOVE THE SIDEWALK

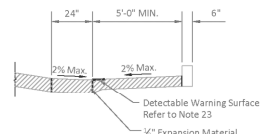
Curb-Ramp shall be used on narrow sidewalk at mid block locations when standard curb ramp lay-out is not feasible. The 6" curb shall be installed along the edge of the back of sidewalk.



**PARALLEL CURB RAMP
TYPE "D"**

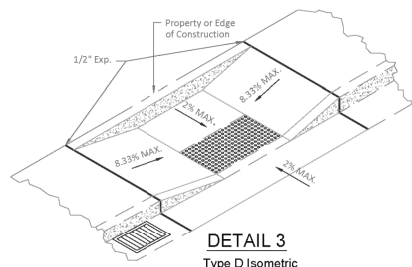


SECTION C-C



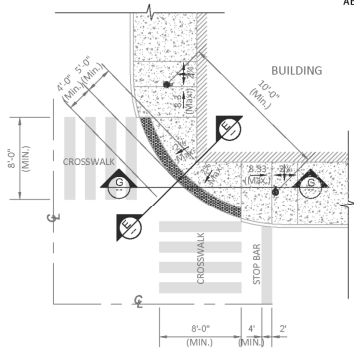
SECTION D-D

See Detail 3 for Isometric View



**DETAIL 3
Type D Isometric**

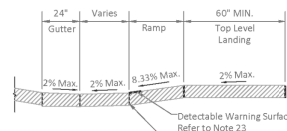
PEDESTRIAN PUSH BUTTON
MOUNTING HEIGHT = 3'6"
ABOVE THE SIDEWALK



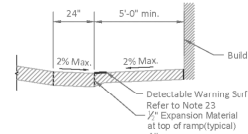
**RADIUS CURB RAMP
TYPE "E"**

See Detail 3 for Isometric View

Written approval by the City Engineer is required.

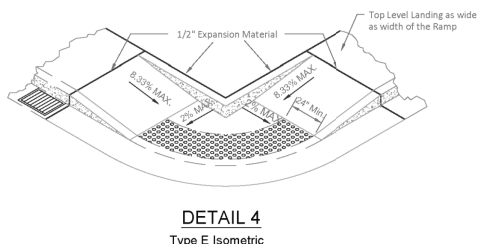


**SECTION G-G
TYPE "E"**

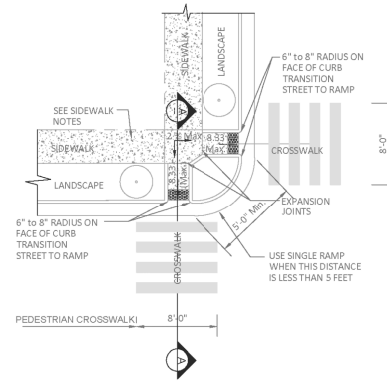


**SECTION E-E
TYPE "E"**

See Detail 4 for Isometric View



**DETAIL 4
Type E Isometric**



**RESIDENTIAL
CURB RAMP
TYPE "F"**

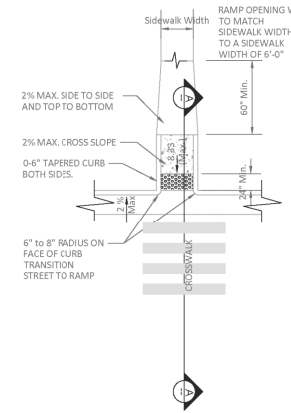
Sidewalk Notes:

- All work must meet current Americans with Disabilities Act (ADA) requirements.
- Minimum sidewalk width shall be as follows: residential, 5'-0" at curb, 4'-0" at property line; commercial, 6'-0" at curb, 5'-0" at property line.
- Sidewalk cross slope shall be a maximum of 2% and a minimum of 1/2% cross slope.
- Whenever the width of the sidewalk is less than 5'-0", a 5' x 5' passing area with a maximum 2% slope and minimum 1/2% slope in any direction at intervals of 20' shall be installed.
- Whenever changing direction in a sidewalk, install a 5' x 5' passing area with maximum 2% slope and minimum 1/2% slope in any direction.
- Objects such as tree branches, signs, water fountains, etc. shall not protrude into the sidewalk more than 4" at the heights between 27" and 80"
- Sidewalk shall be constructed of 4" thick concrete on top of 2" of 1 1/2" crusher run, 3/8" rock screenings, 1 1/2" clean recycled concrete or approved equal.
- All obstructions into the walk, such as power poles, hydrants, sign posts, etc. must have at least 48" of clear travel space around the obstruction.
- Sidewalk running grade shall not exceed 5% unless the sidewalk is contained in the R-O-W and then cannot exceed the general grade established for the adjacent street.

General Notes:

- The non-alternate curb-ramp layout shall be used whenever possible. Any deviation from the standard curb-ramp plans shall be approved by the City Engineer or his designee on a case by case basis.
- The standard curb-ramp drawings supersede all previous drawings and shall be a part of the new curb ramp standard drawings.
- All alternate ramps shall be approved by the City Engineer or his designee prior to construction.
- Seal all joints on sidewalks, landings and ramps. Width of expansion joint shall be 1/2"
- A curb ramp is defined as the entire concrete surface which includes the ramp and flared sides. The minimum 4' wide center portion, including the Detectable Warning Surface, shall have a sloped plane of 8.33% (1:12) maximum, and cross slope, not to exceed 2%. The "flared side" of the ramp shall lie on a slope of 10% (1:10) maximum measured along the curb. The curb ramp shall have a surface tolerance of 1/4" per 10 foot straight edge maximum.
- The ramp center line and path of travel should be parallel to the sidewalk whenever possible. The full width of the ramp shall lie within the crosswalk area. It is desirable that the location of the ramp be as close as possible to the center of the crosswalk.
- Curb Ramps shall not exceed 15' in length.
- Existing utility boxes and covers shall be adjusted flush with the curb ramp surface and shall not straddle any change in plane or material. Existing utility box frames and covers shall have matching surface finish on the entire frame and cover. New utility boxes shall not be placed within the accessible pathway.
- The surface of the curb ramp and Detectable Warning Surface material shall be stable, firm and slip resistant. The concrete curb ramp surface shall be broom finished transverse to the axis of the ramp and shall be slightly rougher than the finish of the adjacent sidewalk surface.
- A level landing 5'-0" deep, with a 2% maximum slope in each direction shall be provided at the upper end of each curb ramp to allow safe egress from the ramp surfaces. The width of the level landing shall be at least as wide as the width of the ramp. A level landing of a minimum of 30" wide x 48" deep shall be provided at pedestrian push buttons at signalized crossings.
- Existing vertical utility poles or street light poles may be incorporated into the flared sides, if necessary. The vertical obstruction shall be a minimum of 6" away from edge of the ramp. Pedestrian crosswalks push button poles, fire department call boxes and other poles with activated devices, may not be placed in the curb-ramp at any time. No new vertical obstructions may be located in the curb ramp or the accessible pathway.
- Ramp opening shall be the same width as the sidewalk up to 6'-0" wide.
- Curb Ramp shall be constructed with 8" thick concrete at collector and arterial streets; and with 6" thick concrete at residential streets. All on top of 2" of 1 1/2" crusher run, 3/8" rock screenings, 1 1/2" recycled concrete or approved equal. The 8" or 6" thick concrete will extend a maximum of 8'-8" (maximum) behind the face of curb. The remainder of the ramp will be constructed of 4" thick concrete and paid as sidewalk. All landings and incidental connections will be paid as sidewalk and will be constructed of 4" thick concrete.
- For new construction all Detectable Warning Surfaces are to be set in concrete. Surface applied domes require special written approval by the City Engineer or his designee

**METHOD OF TRANSITIONING A RAMP
WITH DIE OUT CURBS**



The City of
Oklahoma City
Public Works Department
Engineering Division



APPROVED BY: DATE: 10-14-14
ERIC J. WENSER, P.E.
CITY ENGINEER
DRAWN: VSC
DATE:

ADA CURB RAMP DETAILS

Drawing Number

D-700

B

OKLAHOMA CITY BOULEVARD

OKLAHOMA CO.

DESIGN	KBA	MMPC
DRAWN	ISFM	RWH
CHECKED	MM	
APPROVED		
SQUAD	MacArthur	

**OKLAHOMA CITY STANDARD
D-700B**

STATE JOB NO. 17428(89) SHEET NO. D2