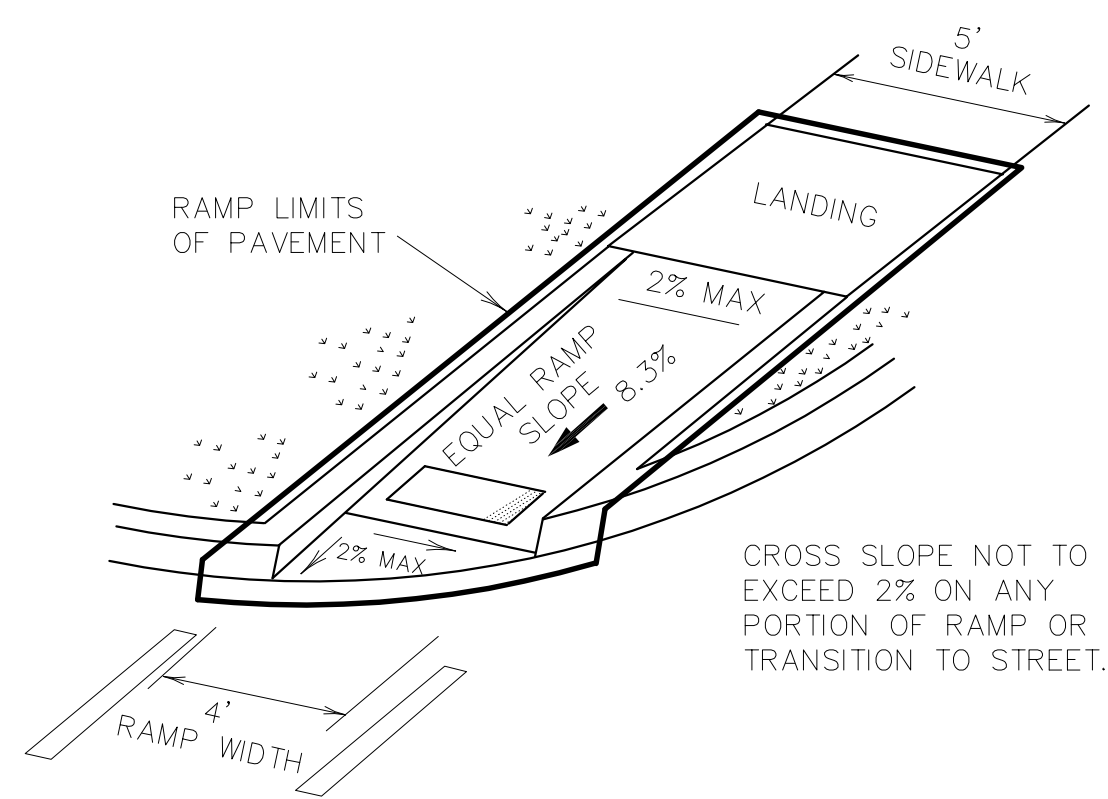
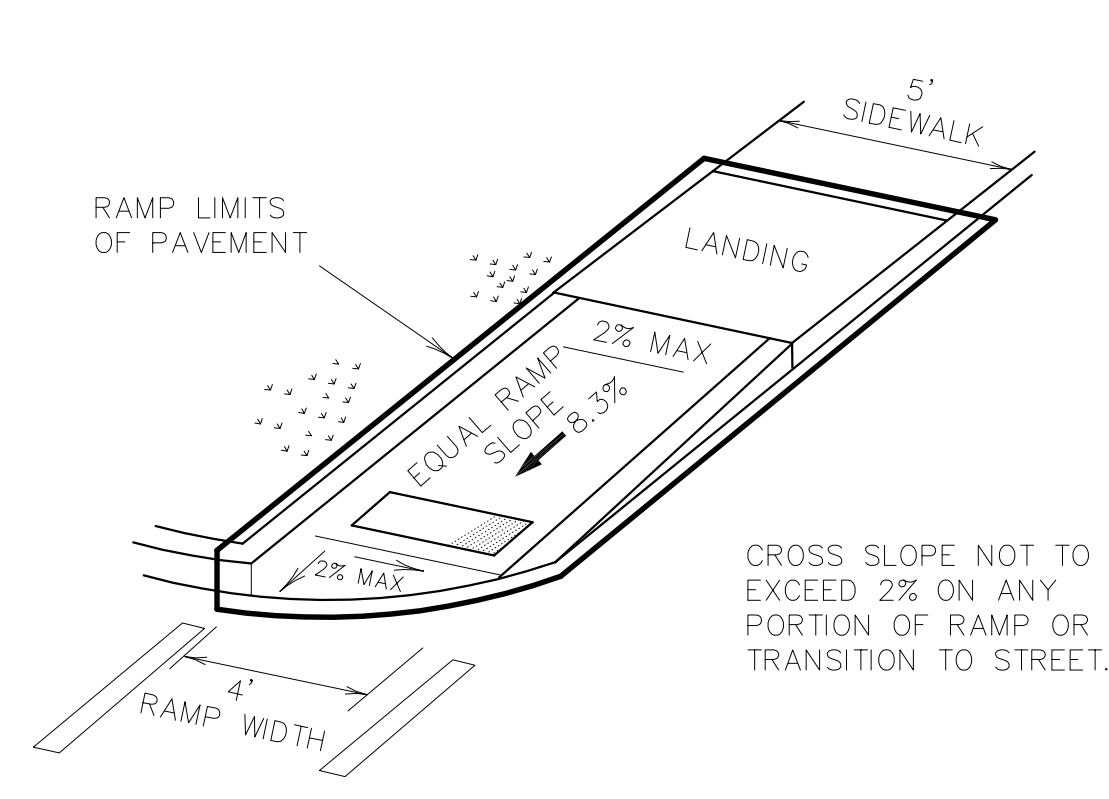


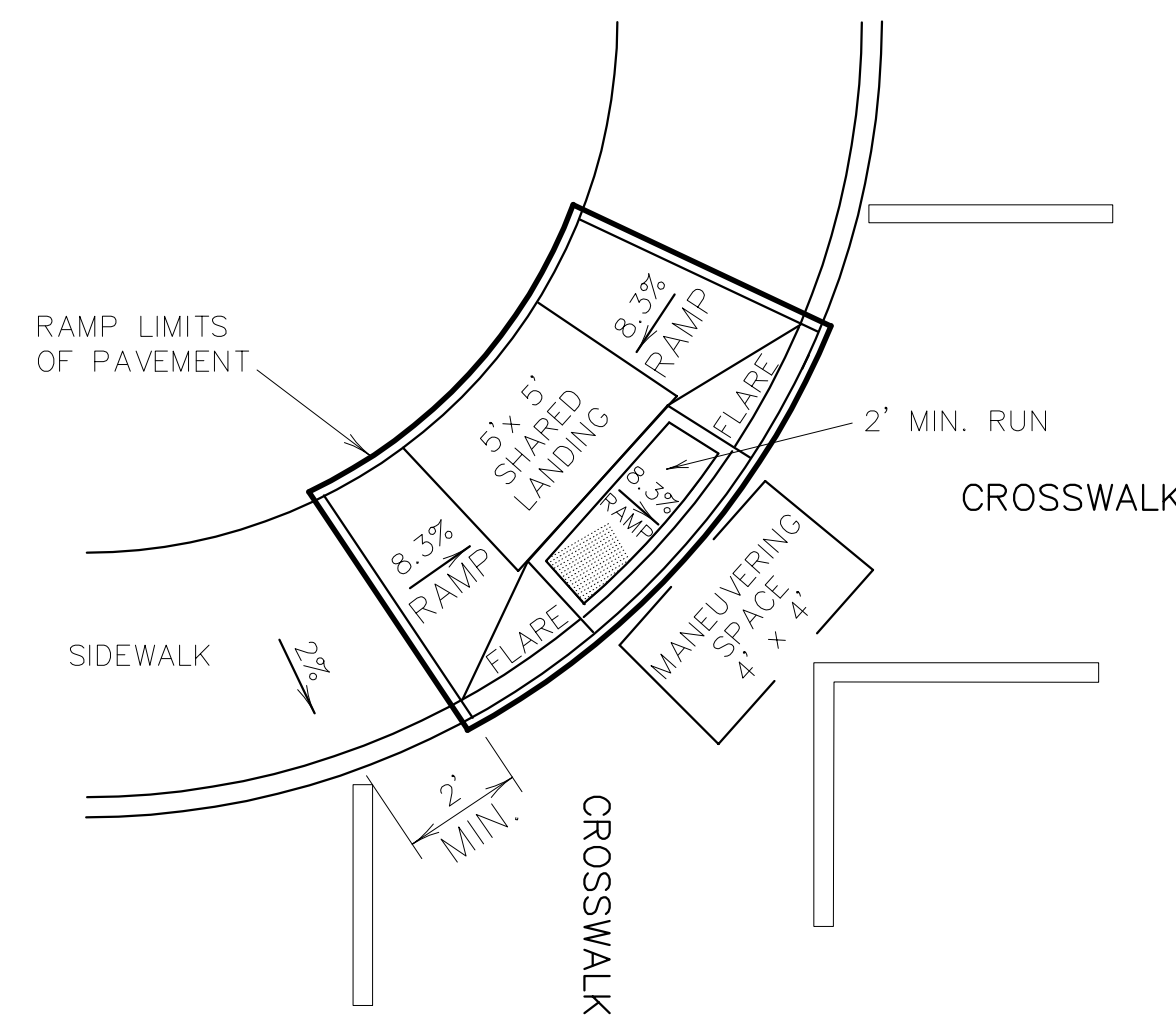
**PEDESTRIAN FACILITIES**



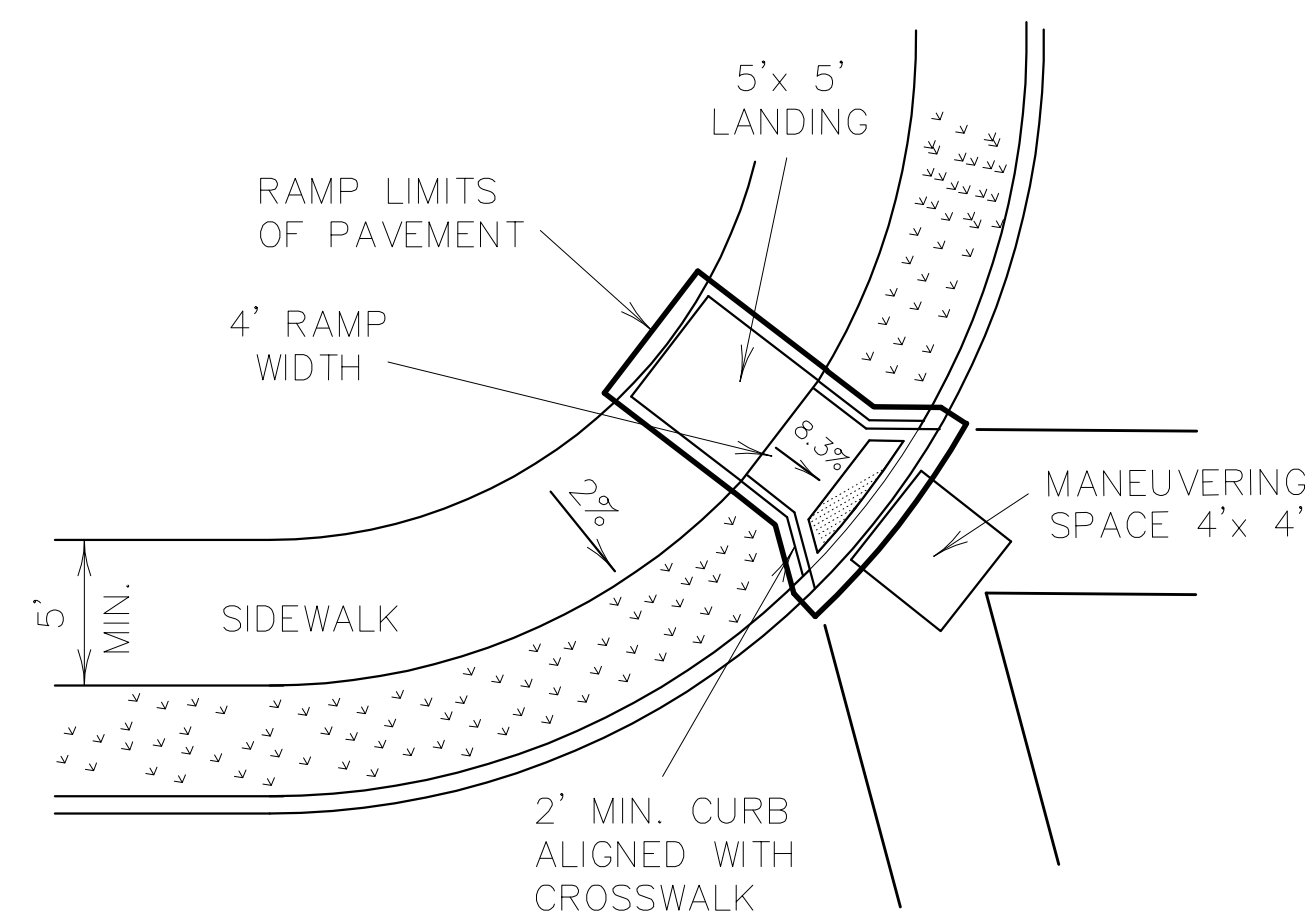
**DIRECTIONAL RAMP WITHIN RADIUS**  
(SIDEWALK SET BACK FROM CURB)



**DIRECTIONAL RAMP WITHIN RADIUS**  
(SIDEWALK ADJACENT TO CURB)



**DIAGONAL COMBINATION CURB RAMP**  
PERPENDICULAR TO THE TANGENT OF THE CURB RADIUS AND CONTAINED IN CROSSWALK

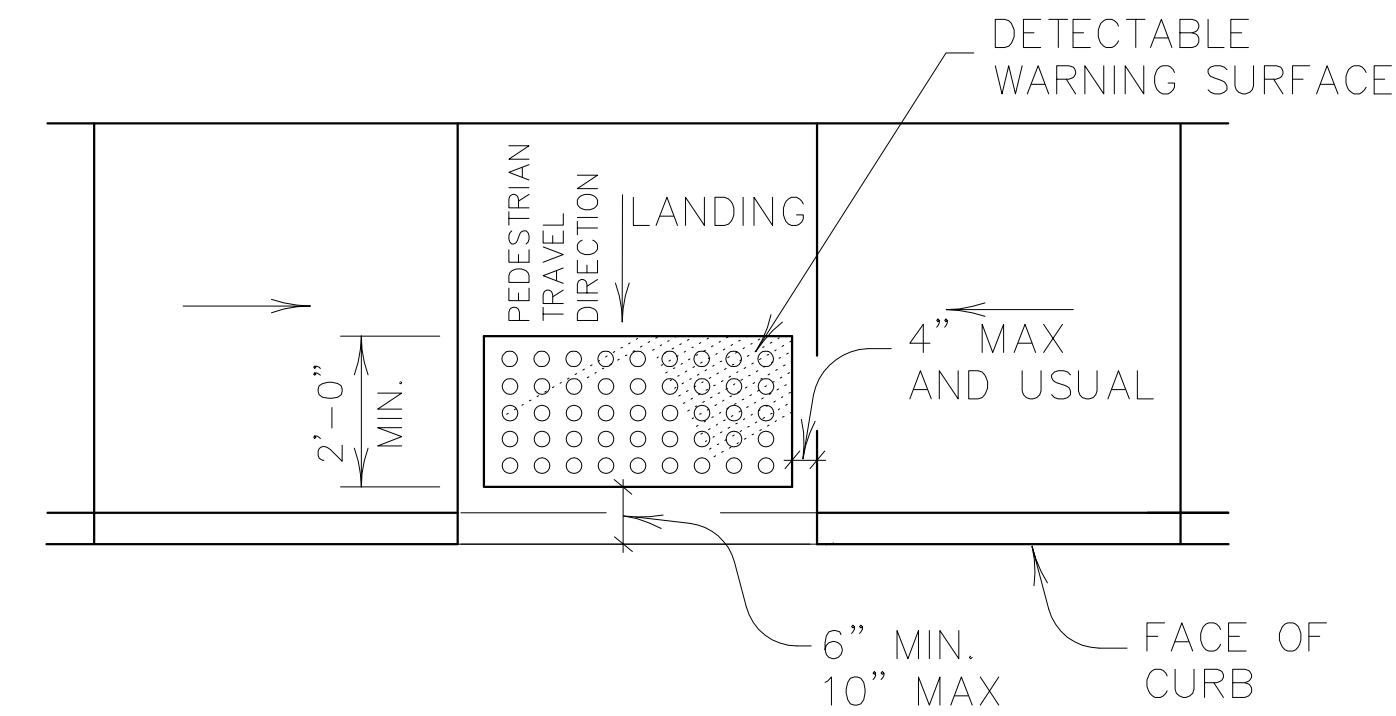


**DIAGONAL CURB RAMP (RETURNED CURB)**

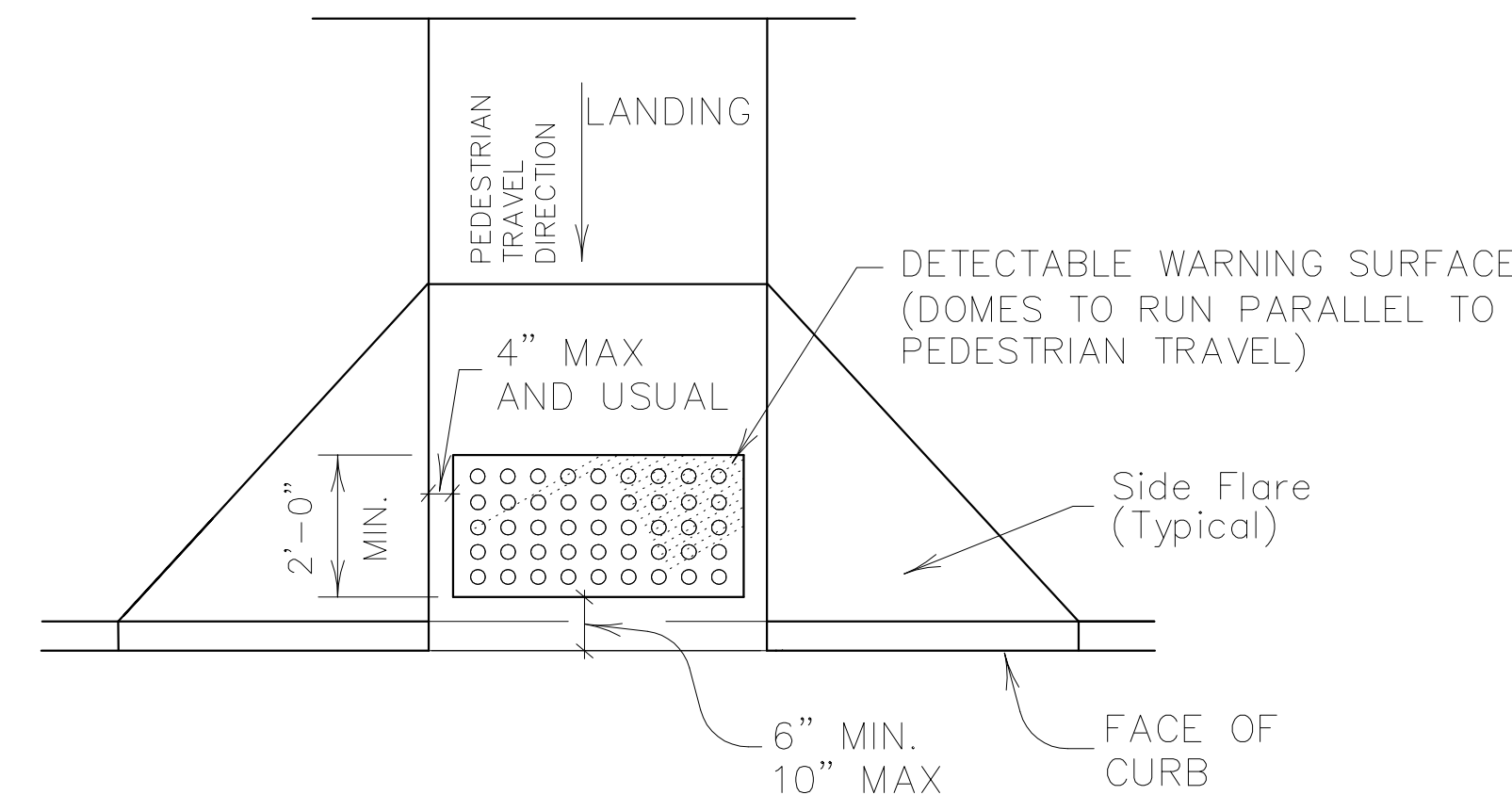
**NOTES**

- ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
- LANDINGS SHALL BE 5'x5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
- MANEUVERING SPACE AT THE BOTTOM OF CURB RAMP SHALL BE A MINIMUM OF 4'x4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
- MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACE IS 2%.
- CURB RAMP WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, EITHER BECAUSE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE, OR BECAUSE THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED. OTHERWISE, PROVIDE FLARED SIDES.
- ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND 16 TAC 68.102.
- TO SERVE A PEDESTRIAN REFUGE AREA, THE MEDIAN SHOULD BE A MINIMUM OF 5' WIDE. MEDIANS SHOULD BE DESIGNED TO PROVIDE ACCESSIBLE PASSAGE OVER OR THROUGH THEM.
- SMALL CHANNELIZATION ISLANDS, WHICH DO NOT PROVIDE A MINIMUM 5'x5' LANDING AT THE TOP OF CURB RAMP, SHALL BE CUT THROUGH LEVEL WITH THE SURFACE OF THE STREET.
- CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED, CURB RAMP SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE CITY ENGINEER.
- EXISTING FEATURES THAT COMPLY WITH TAS MAY REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS.
- HANDRAILS ARE NOT REQUIRED ON CURB RAMP. PROVIDE CURB RAMP WHEREVER AN ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
- SEPARATE CURB AND RAMP LANDING FROM ADJACENT SIDEWALK AND ANY OTHER ELEMENTS WITH PREMOLD OR BOARD JOINT OF 3/4" UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- PROVIDE A SMOOTH TRANSITION WHERE THE CURB RAMP CONNECTS TO THE STREET.
- FLARE SLOPE SHALL NOT EXCEED 10% MEASURED ALONG CURB LINE.

**DETECTABLE WARNINGS**



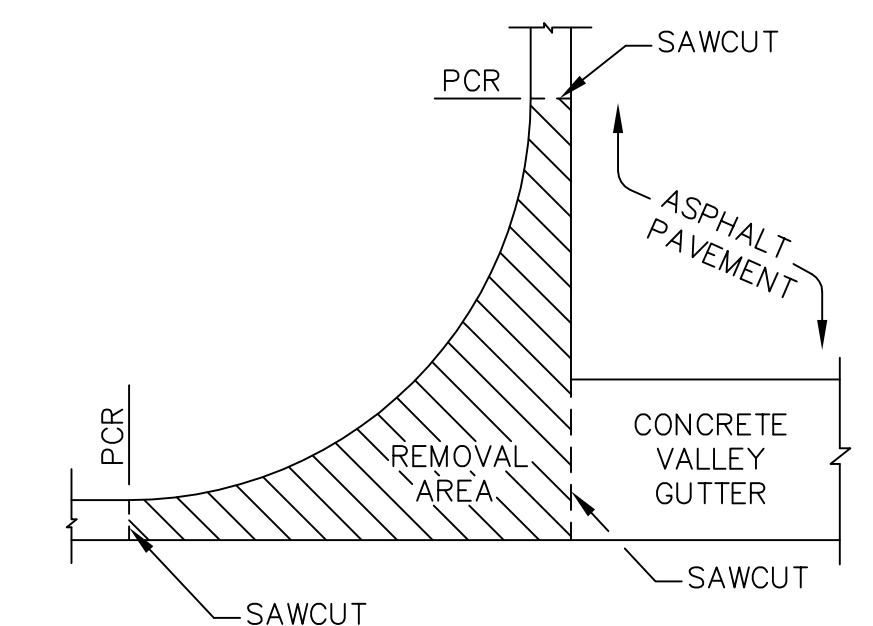
**TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON LANDING AT STREET EDGE**



**TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN**

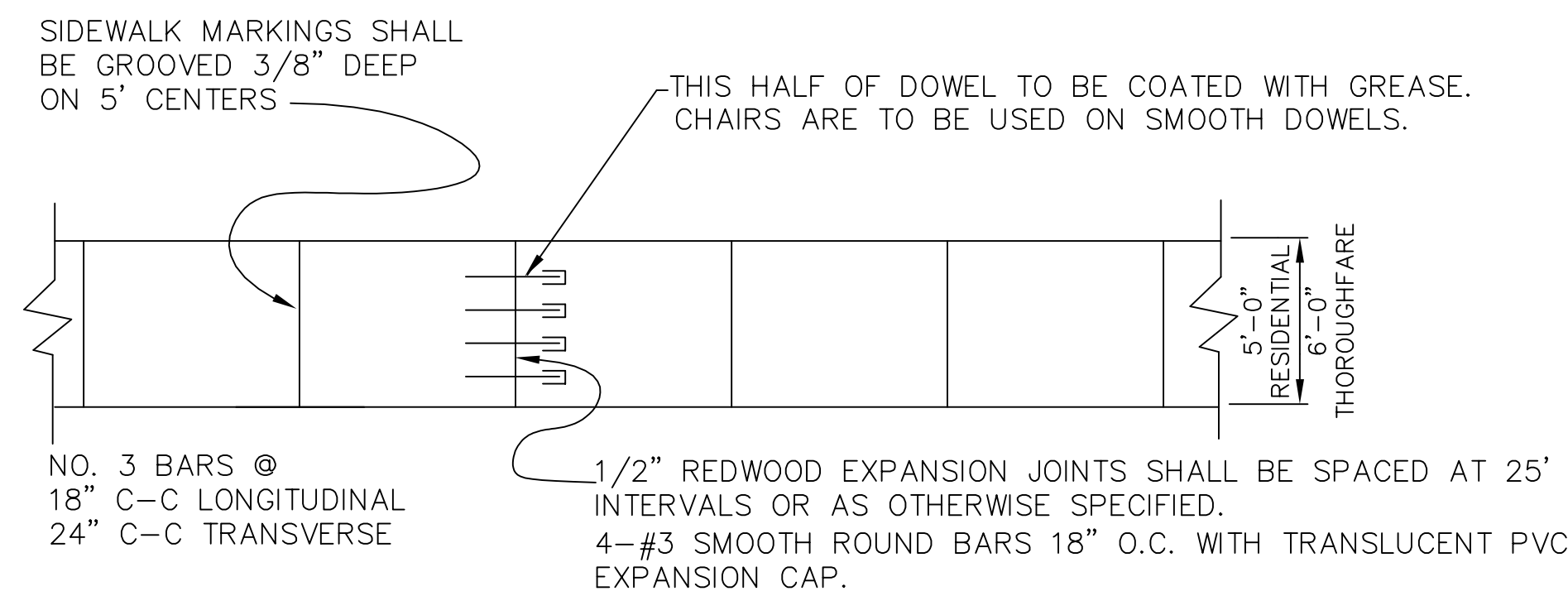
**NOTES**

- CURB RAMP MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED DOMES COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACES INCLUDING SIDE FLARES. FURNISH DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN PLANS.
- DETECTABLE WARNING SURFACES MUST BE SLIP-RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
- ALIGN TRUNCATED DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
- DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTENDED THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
- DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS A MAXIMUM OF 10" FROM THE EXTENSION OF THE FACE OF CURB. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.

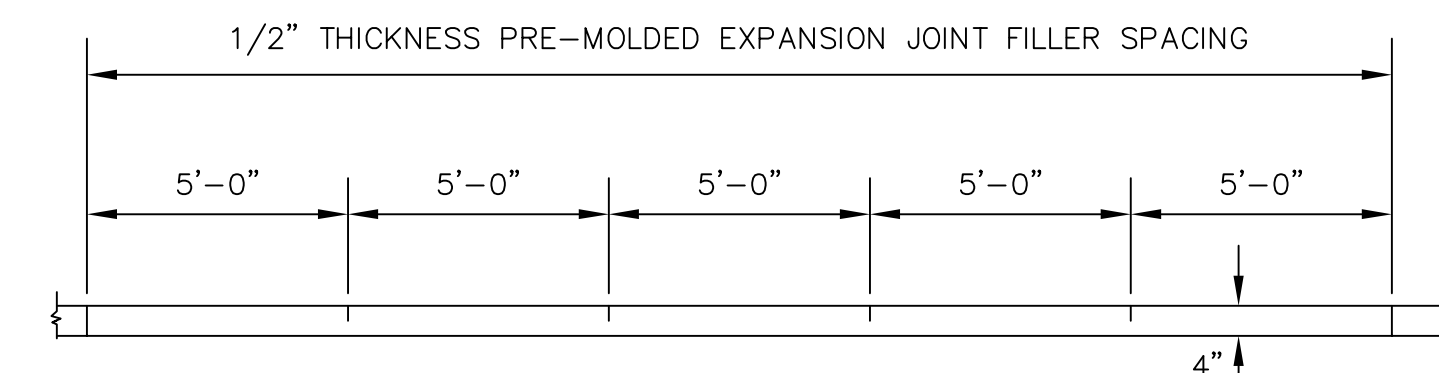


**REMOVAL AREA FOR CONSTRUCTION OF A BARRIER FREE RAMP**

**SIDEWALKS**



**PLAN**



**SIDE ELEVATION**

STREET CLASSIFICATION	SIDEWALK WIDTH
ARTERIAL	6'
MAJOR COLLECTOR	6'
COLLECTOR	5'
RESIDENTIAL	5'

**STANDARD WIDTHS**

**GENERAL NOTES**

- ALL PEDESTRIAN SIDEWALKS MUST BE DESIGNED TO MEET TAS/ADA/TDLR REQUIREMENTS.
- GRADE OF ANY INTERSECTING DRIVE FROM GUTTER LINE OF STREET TO PROPERTY LINE SHALL NOT EXCEED 8%.
- SIDEWALKS CROSSING STEEP DRIVEWAYS MUST HAVE 2% CROSS-SLOPE BREAK IN DRIVE.
- MINIMUM 2" GRADED CUSHION SAND REQUIRED ON ROCK OR CLAY SUBGRADE.
- DETECTABLE WARNING FEATURES FOR BARRIER FREE RAMP MUST BE 2' X 4' MINIMUM, CAST-IN-PLACE AND BRICK RED IN COLOR AS MANUFACTURED BY ARMOR-TILE OR A CITY-APPROVED EQUAL.
- SIDEWALK SHALL BE MONOLITHICALLY EXTENDED A MINIMUM OF 1-2 PANELS BEYOND THE LIMITS OF BARRIER-FREE RAMPS.
- ALL SMOOTH DOWELS MUST HAVE CHAIRS ON BOTH SIDES.

NO.	REVISION	BY	DATE

**CERTIFICATION: CITY OF DESOTO STANDARD CONSTRUCTION DETAIL SHEET IS AUTHORIZED FOR USE IN THIS PROJECT BY THE ENGINEER WHOSE SEAL APPEARS ON THIS SHEET. THIS ENGINEER IS ALSO CERTIFYING THAT THE DETAIL AND NOTES ON THIS SHEET HAVE NOT BEEN ALTERED FROM THAT RECEIVED FROM THE CITY OF DESOTO.**

**STANDARD CONSTRUCTION DETAILS**

CITY OF DESOTO, TEXAS  
DEVELOPMENT SERVICES  
ENGINEERING DEPARTMENT

**SIDEWALK DETAILS**

DATE: APRIL, 2016

SHEET: SD-6

ENGINEERING SEAL