

PUBLIC WORKS Engineering

DATE: May 21, 2025

TO: PAUL ZACHARY,
PUBLIC WORKS DEPUTY
DIRECTOR

5/23/25

FROM: H. SOMDECERFF, PUBLIC WORKS DESIGN MANAGER

The Specification Review Committee recommends and asks the Public Works Deputy Director to approve the following:

- 1. Approve Modification to Standard Detail 790 Standard Sidewalk Ramp. Summary of change:
 - TufTile truncated dome panels were added.
 - Pre-cast concrete truncated dome panels were deleted.
 - Width of type C was revised.
 - Note 4 were revised.

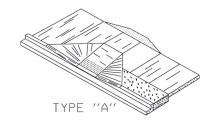
Please call me at (918) 596-7355 If you have any questions.

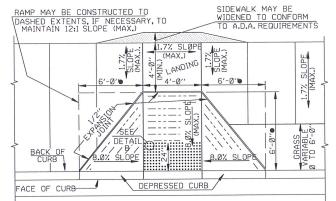
Thank you,

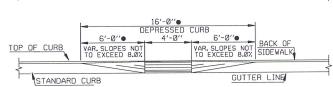
APPROVED:

Paul Zachary, Deputy Director

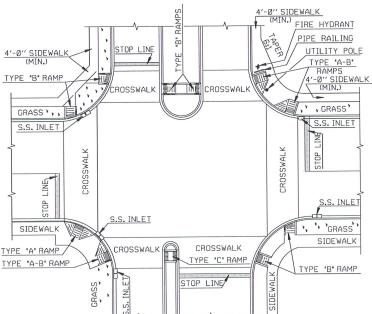
Cc: Public Works Engineering Services Specification Review Committee

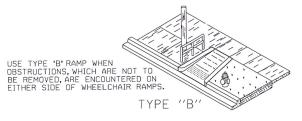


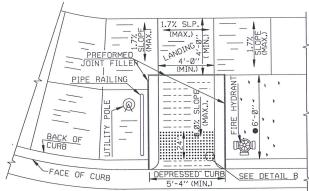


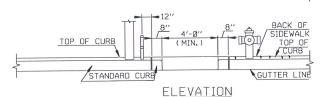


ELEVATION









PC CONC. OR

Julian,

0.9"

TACTILE MARKERS

TRUNCATED DOMES

2.35'2.35'2.35

(6) 6

0 0

0 0

DETAIL 'B'

-

CURB AND GUTTER

●6′-Ø′

1/2" EXP. JOINT

TACTILE WARNING DETAILS

THE ADJOINING WALKING SURFACES.

INSTALLATION NOTES

1/2" EXP. JOINT

NO STEP OR CURB PERMITTED FOR A MINIMUM WIDTH OF 4'-0" FOR

SIDEWALK/LANDING <

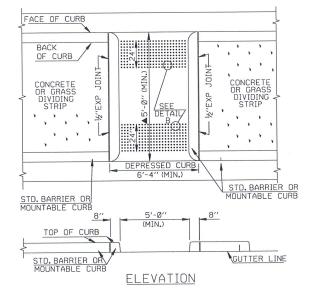
WHEELCHAIR ACCESS.

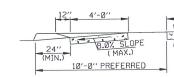
WHEELCHAIR RAMP PROFILES

LISE FEASIBLE MINIMUM

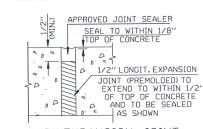
MAX. DRIVE CROSS SLOPE PERMITTED WITHIN AREA TO BE UTILIZED FOR WHEELCHAIR PASSAGE IS 8.0%

▲ FOR MEDIAN GREATER THAN 15'-9' LOW MEDIAN OREATER THAN 19-3 USE TYPE "B" RAMP WITH MINIMUM 48" LANDING - IF MEDIAN IS 15'-9" OR LESS (6'-0" MIN.) SIDES ARE TO BE FORMED AS SHOWN IN THE DETAIL BELOW. TYPE "C"





AT DRIVEWAY LOCATIONS. THE NORMAL 4'-0" SIDEWALK MUST BE SET BACK FROM CURB, OR A WIDER SIDEWALK (5-0" TYP.) USED TO ASSURE WHEELCHAIR PASSAGE. WHEELCHAIR PASSAGE MUST BE AVAILABLE ON EXTENDED LENGTHS OF SIDEWALKS AT INTERVALS LESS THAN 200 FEET.

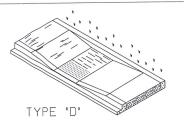


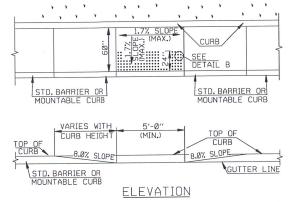
<u> 2" EXPANSION JOINT</u>

JOINT FILLER SHALL MEET THE REQUIREMENTS DE SECTIONS 701.08.4 AND 701.08.B OF THE 2019 ODOT STANDARDS AND SPECIFICATIONS.

JOINT FILLER SHALL BE USED BETWEEN SIDEWALK AND CURBS, WHEELCHAIR RAMPS, DRIVEWAYS, STREETS, RETAINING WALLS, ETC.

CONTRACTION JOINT SPACED 5 FEET O.C. 1/2' EXPANSION JOINT SPACED 25 FEET O.C. FILLER TO BE 1/2' PREMOLDED BITUMINOUS FIBERBOARD 3/4' DEEP, SEAL 1/2 DEEP WITH SELF-LEVELING SILICONE. SLOPE TOWARD CURB OR DITCH AT 1/4 PER FT.

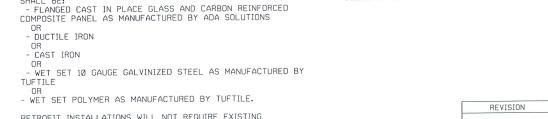




GENERAL NOTES

- 1. RAMP DIMENSIONS SHOWN ARE BASED ON A CURB HEIGHT OF SIX INCHES. THE DIMENSIONS SHOULD BE ADJUSTED FOR OTHER CURB HEIGHTS. THE MAXIMUM PERMISSIBLE SLOPES OF THE WHEELCHAIR RAMPS IS 8.0% (12:1). RAMP SLOPE MAY BE 10:1 (MAX.) ALONG FACE OF TAPERED CURB.
- 2. TRANSVERSE GROOVING SHALL NOT BE USED ON RAMPS.
- 3. DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS.
- 4. THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP WITH A 1.7% SLOPE (DESIGN MAX.). SEE NOTE NO. 9.
- 5. WHEELCHAIR RAMPS SHOULD BE LOCATED SO THAT THE RAMP WILL BE ON THE TRAFFIC APPROACH SIDE OF ANY OBSTACLE.
- 6. WHEELCHAIR RAMPS SHOULD BE BUILT AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, THE TYPE OF RAMP WILL BE DESIGNATED ON THE PLANS. IF A RAMP IS TO BE CONSTRUCTED AS A COMBINATION OF TWO TYPES (ONE SIDE TYPE A AND ONE SIDE TYPE B), THE RAMP SHALL BE DESIGNATED AS TYPE A-B.
- 7. PIPE RAILING CONSTRUCTION DETAILS, WHEN REQUIRED AT TYPE B WHEELCHAIR RAMPS, WILL BE SHOWN ON THE PLANS.
- 8. EXCAVATION, BACKFILL, EXPANSION JOINT MATERIAL, PIPE RAILING, SEALERS, AND OTHER RELATED MISCELLANEOUS ITEMS WILL NOT BE PAID FOR SEPARATELY BUT THE COST THEREOF SHALL BE INCLUDED IN THE
- 9. ALL FEATURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, 3. ALL FEATURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS SHALL COMPLY WITH THE PROPOSED RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG).WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH PROWAG, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURE(S). THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THE PROWAG WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE PROWAG, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE COLLECTED AT THE CONTRACTOR'S EXPENSE. APPROVAL, SHALL BE COLLECTED AT THE CONTRACTOR'S EXPENSE.
- 10. AGGREGATE BASE SHALL BE PAID FOR SEPARATELY AND ESTIMATED AT 2.4 C.Y.FOR EACH RAMP AT CORNER LOCATIONS.
- 11. WHEELCHAIR RAMPS SHALL BE PAID FOR BY EACH.
- 12. THE TRUNCATED DOMES WILL BE MEASURED AND PAID FOR BY THE SOUARE FOOT OF PANEL AREA. THE ROWS OF TRUNCATED DOMES SHALL ALIGN PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP, LANDING OR BLENDED TRANSISITON AND THE STREET.
- 13. PIPE RAILING SHALL BE PAID FOR BY THE LINEAR FOOT.
- 14. SIDEWALKS AND RAMPS SHALL MEET THE ADA ACCESSIBITIY TECHNICAL REQUIREMENTS AS SHOWN AT WWW.ACCESS-BOARD.GOV/PROWAG/

CITY OF TULSA

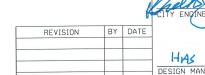


RETROFIT INSTALLATIONS WILL NOT REQUIRE EXISTING DEPRESSED CURBING TO BE REPLACED. A NOMINAL 6 TO 8 INCH SETBACK FROM FACE OF CURB SHALL BE ENFORCED FOR NEAR EDGE OF TACTILE DOMES.

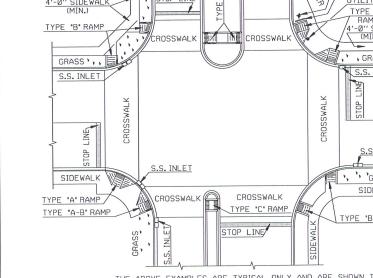
THE TRUNCATED DOME SURFACE SHALL CONTRAST VISUALLY WITH

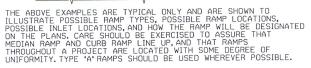
THE TRUNCATED DOME PANELS SHALL BE:
- YELLOW IN COLOR, SLIP RESISTANT, AND MEET ALL ADA

REQUIREMENTS FOR COLOR CONTRAST AND DIMENSIONS AND









■ THICKNESS OF RAMP AND ADJACENT SIDEWALK SHALL BE A MINIMUM OF 4', AT ARTERIAL INTERSECTIONS THE THICKNESS OF THE RAMP AND SIDEWALK ADJACENT TO THE CURB RADIUS