

GENERAL NOTES FOR DETECTABLE WARNINGS

- 1. DETECTABLE WARNING SURFACES MUST BE FULLY ADA COMPLAINT.
- 2. ALL NEW CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOMES. THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACE, INCLUDING SIDE FLARES, FURNISH DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN THE PLANS.
- 3. DETECTABLE WARNING SURFACES MUST MAINTAIN A SLIP RESISTANCE WITH FA-VALUE OF EQUAL TO OR GREATER THAN 0.8.
- 4. DETECTABLE WARNING SURFACES MUST MAINTAIN A WATER ABSORPTION RATE OF LESS THAN 1%, DETECTABLE WARNING SHALL NOT ALLOW WATER TO ACCUMULATE.
- DETECTABLE WARNINGS INSTALLED INTO FRESH CONCRETE SHALL BE WITHOUT VOIDS AND UTILIZING AN ACCEPTABLE ANCHORING SYSTEM.
- 6. ALIGN TRUNCATED DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE
- DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
- 8. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" MIN TO 10" MAX FROM THE DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.
- 9. REFERENCE CURB RAMP DETAILS FOR RAMP GROOVED SURFACE.
- 10. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS, TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
- 11. CURB RAMPS THAT ARE STEEPER THAN A 1:15 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.

WALKABLE SURFACE LANDING DETECTABLE WARNING (DOMES TO RUN PARALLEL TO PEDESTRIAN TRAVEL) SIDE FLARE (TYPICAL) FACE OF TYPICAL PLACEMENT OF CURB DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN. MIN TO 10" MAX BROOM FINISH ONLY

02775-04

02775-05

#4 @ 18", 18" LONG, EMBEDDED _ A MIN. OF 6" INTO ROADWAY

6" MIN TO 10" MAX -

EXISTING . ROADWAY

WAI KING

SURFACE

- CURB (TAPERS FROM CURB HEIGHT AT

(DOMES TO RUN PARALLEL TO

ROADWAY TO FLUSH AT SIDEWALK)
NON WALKABLE

PEDESTRIAN TRAVEL)

FACE OF CURB

.6" MIN TO 10" MAX BROOM FINISH ONLY

PROPOSED TRUNCATED DOMES *SEE DETECTABLE WARNING PAVING OPTION—REFER TO SHEET 02775—07 CROSSWALK SPECIFICATIONS (TYP) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ISLAND, MEDIAN OR CURB ISLAND, MEDIAN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 #4 @ 18", 18" LONG SLOPE PVMT TO DRAIN W/EXIST DRAINAGE - SLOPE 1:15 MAX EMBEDDED A MIN. OF 6" INTO EXISTING PAVEMENT (ALL AROUND) 6" MIN TO 10" MAX OF BROOM FINISH ONLY (BOTH SIDES) NEW CURB, PER C/H, TO MATCH EXISTING CURB PROP. PAVEMENT FLUSH WITH STREET #4 @ 18", 18" LONG SAW-CUT EXIST, CURB SAW-CUT FXIST, CURB EMBEDDED A MIN OF 6" AND/OR PAVEMENT FOR CROSSWALK AND/OR PAVEMENT INTO EXIST. PAVEMENT FOR CROSSWALK (ALL AROUND) SECTION (E)

FOR ISLAND, MEDIAN, OR CURB MODIFICATIONS FOR CROSSWALKS

GROOVED

SURFACE

- CURB FLUSH W/SIDEWALK

-SLOPE 1:15 MAX

CURB MODIFICATIONS FOR WHEEL CHAIR RAMPS & CROSSWALKS NTS

CURB FLUSH WITH SIDEWALK

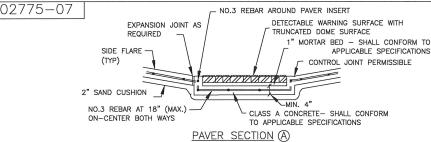
4-1/2" CONCRETE

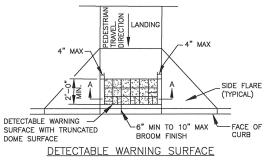
EXPANSION

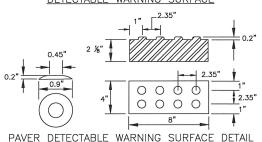
JOINT

-4 1/2" MIN

DETECTABLE WARNING CURB RAMP DETAILS







DETECTABLE WARNING SURFACE (OPTIONS)

NTS

ENGINEER

SCREW IN OR ADHESIVE

NOTES GENERAL NOTES

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- COVERN.

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PAVERS

- FURNISH DETECTABLE WARNING SURFACE UNITS MEETING ALL REQUIREMENTS OF ASTM C-936, C-33. LAY IN A TWO BY TWO UNIT BASKET WEAVE PATTERN OR AS DIRECTED.
- LAY FULL—SIZE UNITS FIRST FOLLOWED BY CLOSURE UNITS CONSISTING OF AT LEAST 25 PERCENT OF A FULL UNIT. CUT DETECTABLE WARNING POWER UNITS USING A POWER SAW.

POLYMER CONCRETE

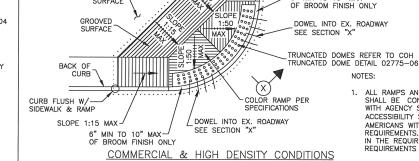
- DETECTABLE WARNING TILES SHALL BE MADE OF POLYMER CONCRETE MATERIALS.
 DETECTABLE WARNING TILES SHALL BE INSTALLED INTO FRESH
- CONCRETE (CAST—IN—PLACE) UTILIZING AN ANCHORING SYSTEM.

 3. DETECTABLE WARNING TILES SHALL BE OF TERRACOTTA
- (BRICK-RED) COLOR AND COLORED THROUGHOUT TO GUARANTEE THE ADA REQUIRED COLOR CONTRAST.

 DETECTABLE WARNING TILES SHALL MEET OR EXCEED THE FOLLOWING ASTM-BASED "STANDARDS" FOR CONCRETE MATERIALS.
- MAILENIALS.
 COMPRESSION STRENGTH > 12,500 PSI PER ASTM C 39-04
 WATER ABSORPTION < 0.25% PER ASTM C 97-09

PADS

FURNISH REQUIREMENTS OF ADAAG (MARCH 2003). OTHER MATERIALS MAY BE USED IF APPROVED BY NTHE CITY



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COMMERCIAL CURB RAMP DETAILS NTS

SLOPE 1:50 MAX _ | SLOPE 1:15 MAX

SPECIFICATIONS

RUNCATED

SECTION (X)

∠ BACK OF

DOMES

OF HOUSTON

NOTES:

SEE COH STANDARD DETAIL FOR PAVEMENT MARKING DETAILS.

2. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AGENCY STANDARD DETAILS, TEXAS ACCESSIBILITY

STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS.

IF THERE IS A CONFLICT IN THE REQUIREMENTS, IF STRICTEST REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
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HOUSTON PUBLIC WORKS

STREET PAVING AND SIDEWALK |02775-04 THROUGH 02775-07

APPROVED B

54 CITY ENGINEER DEPUTY DIRECTOR APPROVED BY DIRECTOR OF HOUSTON PUBLIC WORKS

EFFECTIVE DATE: JUL-01-2020

SHEET NO.

FOR CITY OF HOUSTON USE ONLY