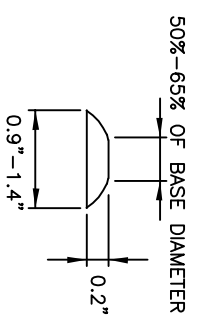



TRUNCATED DOME PLAN VIEW

TRUNCATED DOME SPACING

- NOTES:
1. ALL DETECTABLE WARNING DEVICES USED IN NEW CONSTRUCTION SHALL BE OF A RIGID PRECAST OR EMBEDDED PRODUCT APPROVED BY THE CITY ENGINEER. RETROFIT MATS WILL ONLY BE ALLOWED ON EXISTING RAMPS WITH PRIOR APPROVAL OF THE CITY ENGINEER FOR MATERIAL TYPE AND INSTALLATION (IE. RESURFACING).
 2. RAMPS AND DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET IN WIDTH, BUT NO LESS THAN THE WIDTH OF SIDEWALK LEADING TO BACK OF RAMP.
 3. DETECTABLE WARNING SURFACES SHALL EXTEND 2.0 FT. MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL.
 4. DETECTABLE WARNING AREA CAN BE PLACED SQUARE WHERE USED IN A CURB RADIUS.
 5. THE ROWS OF TRUNCATED DOMES IN DETECTABLE WARNING SURFACES SHOULD BE ALIGNED PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP RUN AND THE STREET. WHERE DETECTABLE WARNING SURFACES ARE PROVIDED ON A SURFACE WITH A SLOPE THAT IS LESS THAN 5 PERCENT, DOME ORIENTATION IS LESS CRITICAL.
 6. DETECTABLE WARNING AREA SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE: EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
 7. IF PAVERS ARE TO BE USED, PAVERS SHALL BE MINIMUM 8000 PSI CONCRETE WITH A 2-INCH MINIMUM THICKNESS, SET ON A THIN-SET MORTAR ON TOP OF 4" THICK 3600 PSI CONCRETE BASE.
 8. MATS ARE TO BE RIGID WITH TURNED-DOWN EDGES EMBEDDED IN CONCRETE TO ELIMINATE TRIP HAZARD.
 9. DIMENSIONS PER NCDOT 848.06



TRUNCATED DOME SECTION

REVISIONS				<p>TRUNCATED DOMES</p> <p>PLAN AND CROSS-SECTION</p>	<p>CITY OF MONROE</p> <p>UNION COUNTY</p> <p>PREPARED BY:</p> <p>ENGINEERING DEPARTMENT</p>	FILE: E:\Maps-Details\Detail Manual\Details	
NO.	DATE	DESCRIPTION				DRAWN BY: DKO	DATE: 4-20-04
1	04/25	MATCH CHARLOTTE'S STANDARDS				CHECKED BY: JNL	SCALE: N.T.S.
						DETAIL	02.05.04