

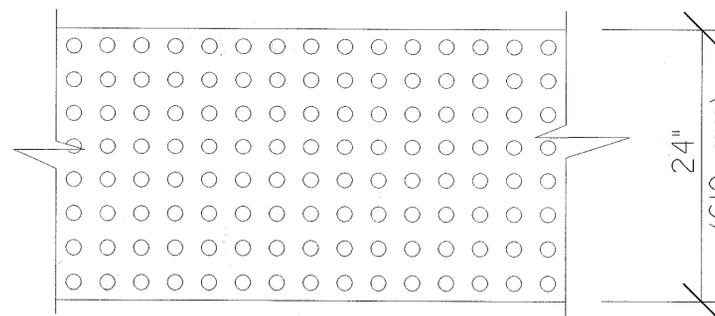
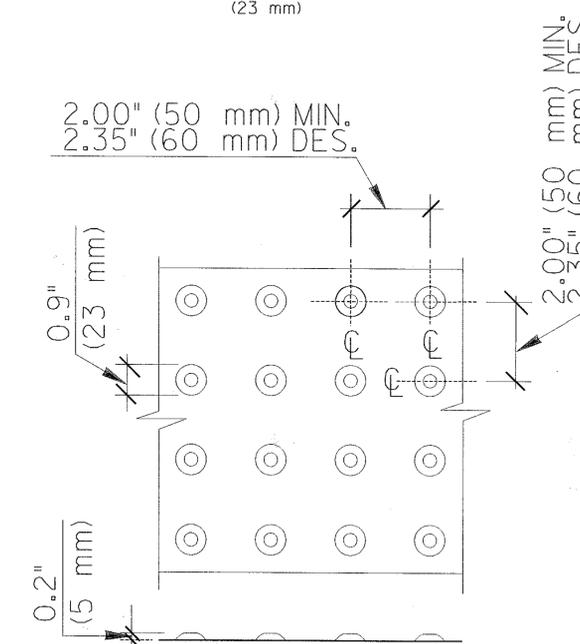
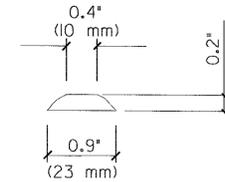
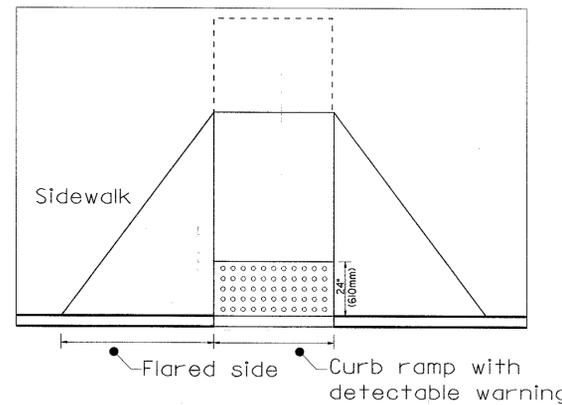
**Size.** Detectable warnings shall be 24 inches (610 mm) in the direction of pedestrian travel and extend the full width of the curb ramp or flush surface.

**Location.** The detectable warning shall be located so that the edge nearest the curb line or other potential hazard is 6 to 8 inches (150 to 205 mm) from the curb line or other potential hazard, such as a reflecting pool edge or the dynamic envelope of rail operations.

**Dome size and spacing.** Truncated domes shall have a diameter of 0.9 inch (23 mm) at the bottom, a diameter of 0.4 inch (10 mm) at the top, a height of 0.2 inch (5 mm) and a center-to-center spacing of 2.35 inches (60 mm) desirable (2.00 inches (50 mm) minimum) measured along one side of a square arrangement. Domes shall have a square arrangement. Domes shall be aligned on a square grid in the predominant direction of travel to permit wheels to roll between domes.

**Visual Contrast.** There shall be a minimum of 70 percent contrast in light reflectance between the detectable warning and an adjoining surface, or the detectable warning shall be "safety yellow". The material used to provide visual contrast shall be an integral part of the detectable warning surface.

NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK (OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL).



**MATERIALS:**

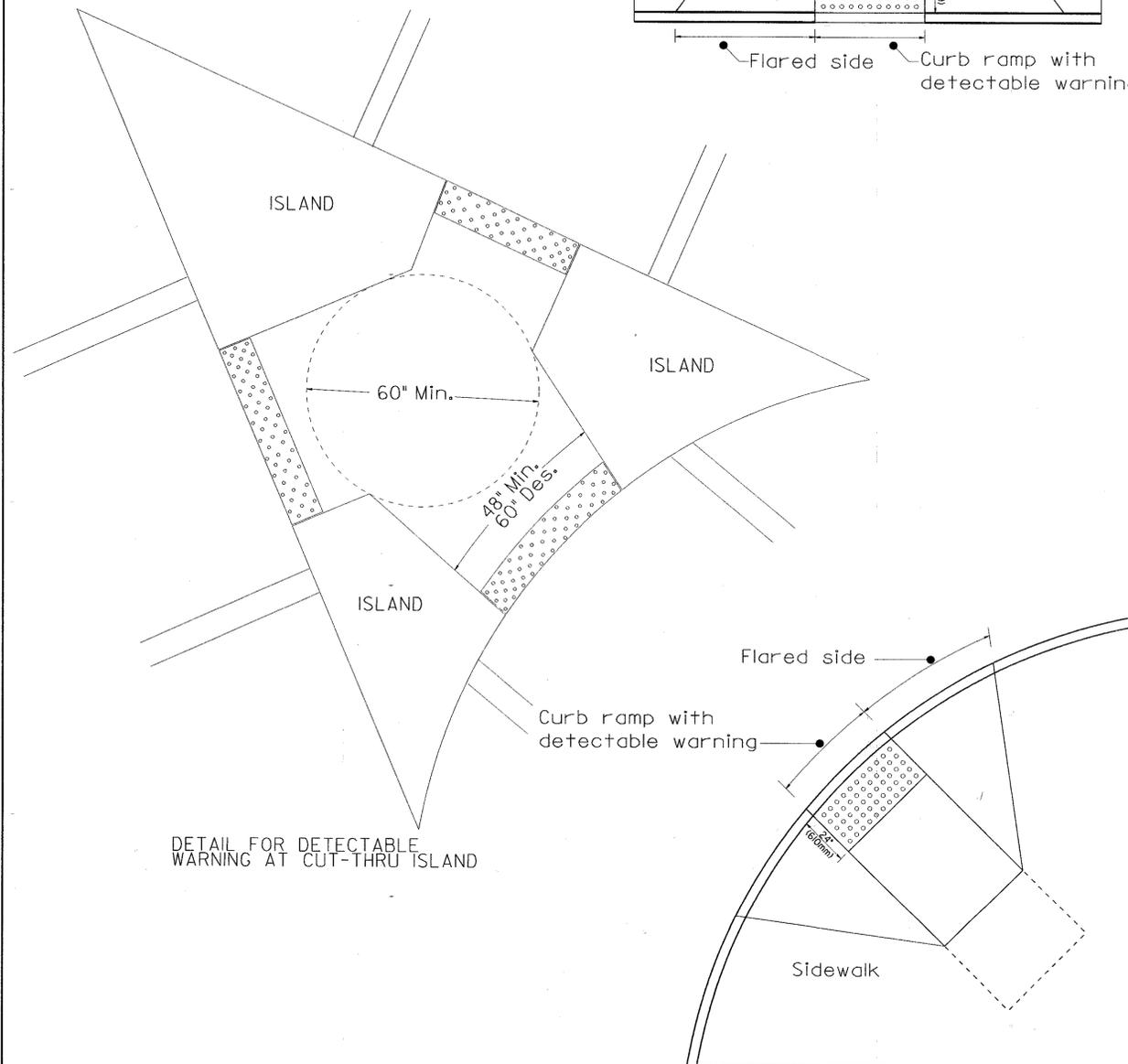
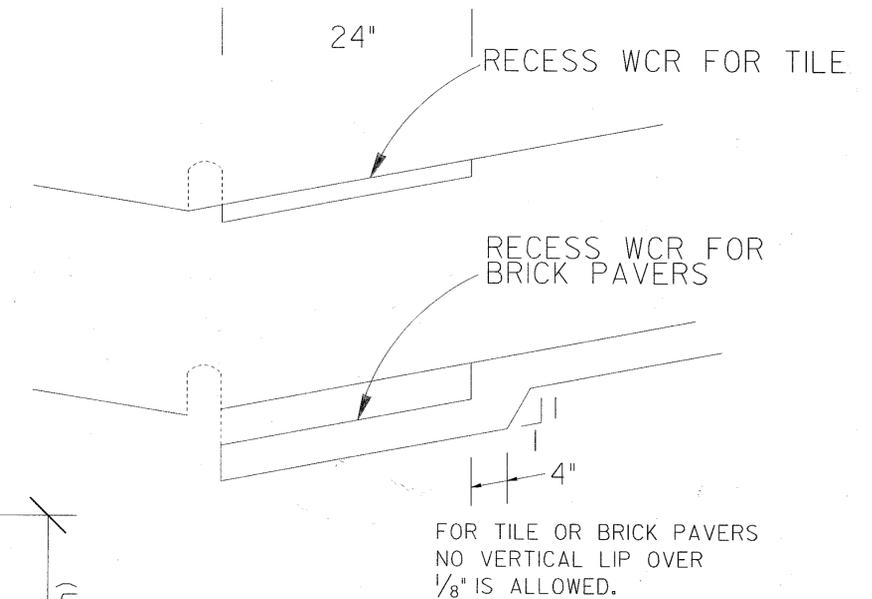
THE DETECTABLE WARNINGS SHALL BE MADE OF CERAMIC CURB TILE, BRICK PAVERS OR FORMED IN THE CONCRETE CURB CUT RAMP.

IF THE DETECTABLE WARNING ARE FORMED, THE ENTIRE AREA OF THE DETECTABLE WARNING SHALL BE DYED A MINIMUM OF 1" DEEP.

**INSTALLATION:**

BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

CERAMIC TILE SHALL BE EPOXIED IN PLACE OR SET IN A WET MORTAR BED.



DETAIL FOR DETECTABLE WARNING AT CUT-THRU ISLAND

II-14-02		DEPARTMENT OF TRANSPORTATION	
7-29-02		STATE OF GEORGIA	
REVISION	DATE	SPECIAL DETAIL DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	
REVISION	DATE		
BY		NO SCALE	
			A4