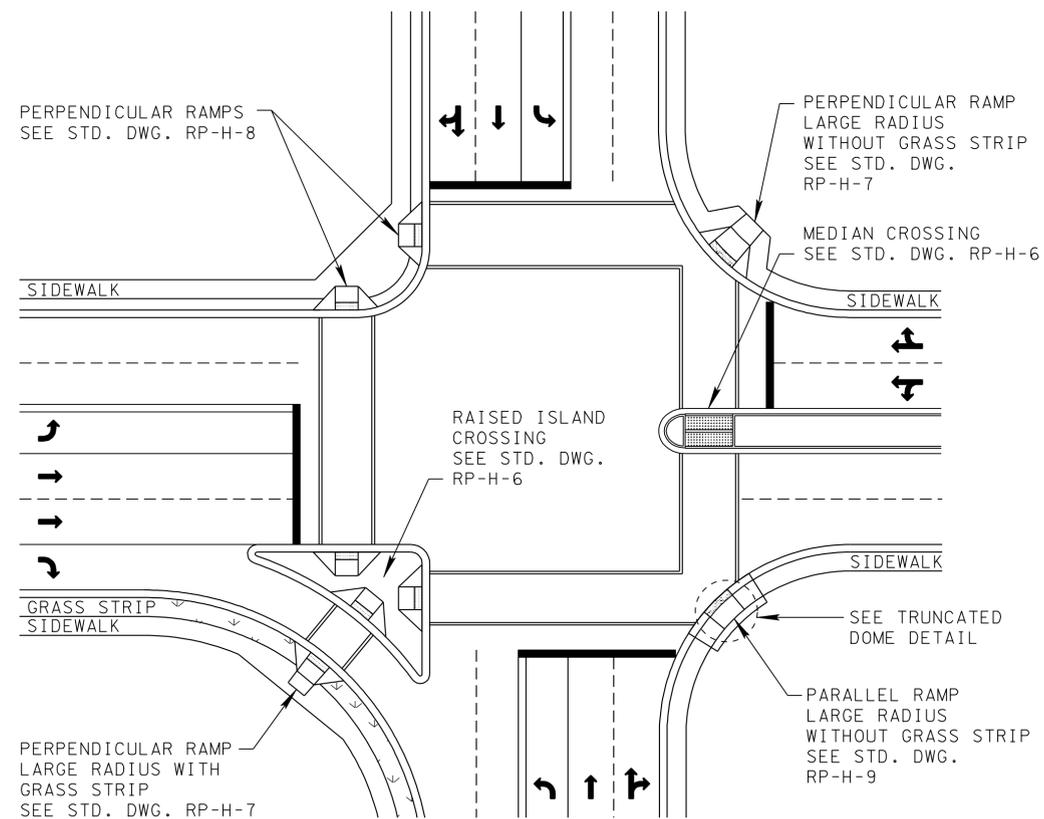
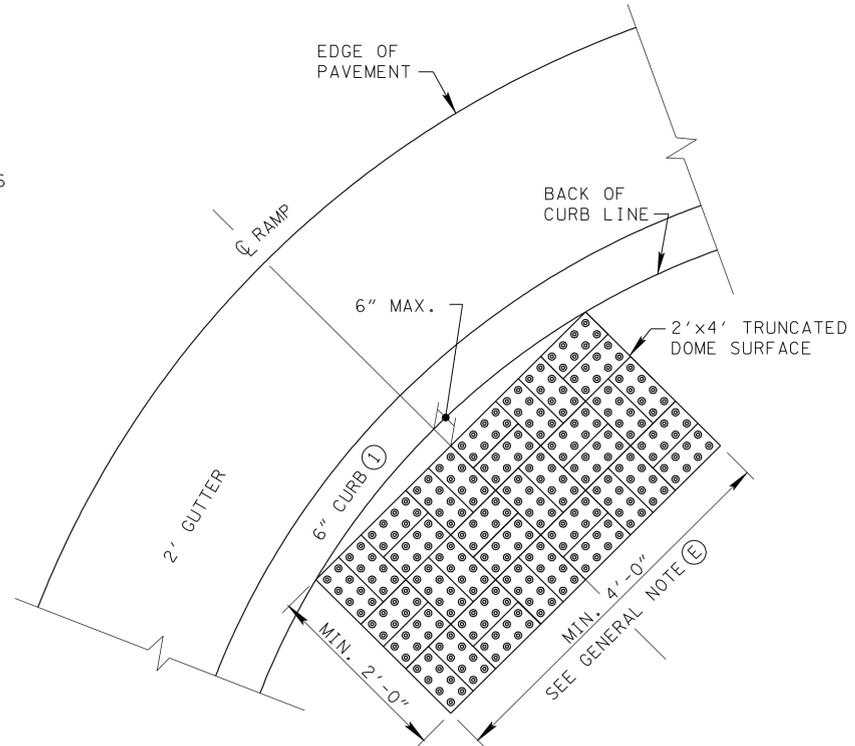


REV. 7-17-07: REVISED SIZE AND SPACING OF TRUNCATED DOMES, ADDED NOTE (E) MODIFIED SPECIAL PAVER NOTES.

REV. 4-13-11: ADDED LOWERED CURB FOOTNOTE (I) TO TRUNCATED DOME DETAIL. MISC. EDITS TO DRAWING.

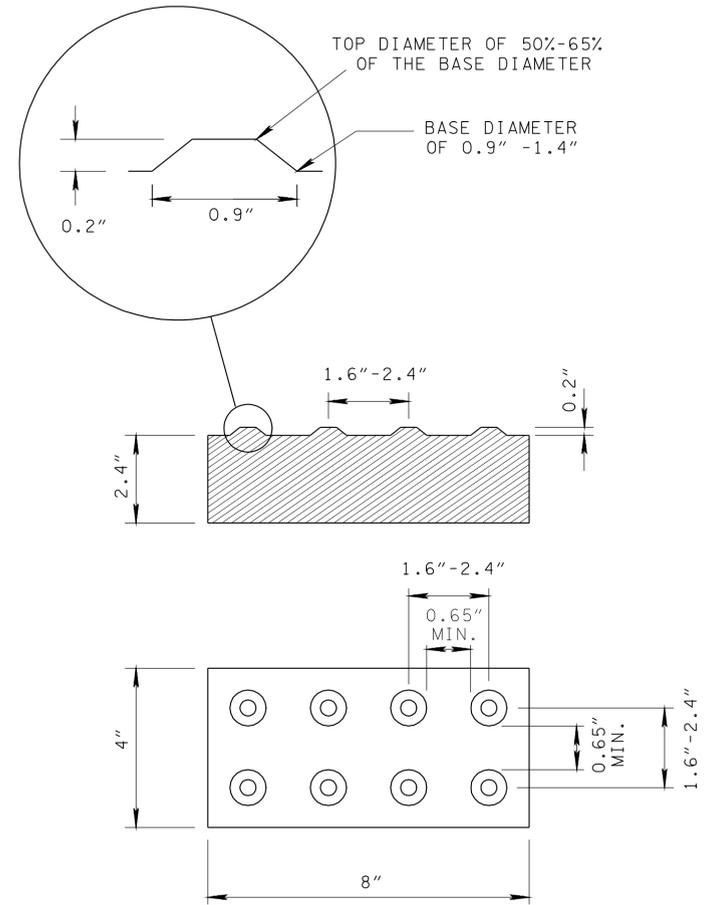


PLAN VIEW
(4-WAY INTERSECTION)



NOTE (I): CURB SHALL BE LOWERED ACROSS ENTIRE WIDTH OF RAMP

DETAIL OF TRUNCATED DOME SURFACE IN RADIUS



CONCRETE PAVER WITH TRUNCATED DOME SURFACE
(SEE SPECIAL PAVER NOTES)

SPECIAL PAVER NOTES	
(1)	CONCRETE PAVER UNITS SHALL MEET ALL REQUIREMENTS OF ASTM C-936. 4"X8" CONCRETE PAVERS SHALL BE PLACED IN A BASKET WEAVE PATTERN, AS SHOWN. CONCRETE PAVERS OF OTHER DIMENSIONS ARE ALSO ACCEPTABLE PROVIDED THE PAVERS CAN BE PLACED IN A 2'X4' DIMENSION WITHOUT CUTTING THE PAVERS AND PAVER DEPTH IS 2.4".
(2)	COMPOSITE TILES WITH NOMINAL DEPTH OF 0.4" MAY BE USED INSTEAD OF CONCRETE PAVERS. COMPOSITE TILES SHALL BE INSTALLED SO THAT DOMES ARE ALIGNED IN A SQUARE GRID PATTERN.
(3)	CONCRETE PAVER UNITS SHALL HAVE A TRUNCATED DOME TOP SURFACE FOR DETECTABLE WARNING TO PEDESTRIANS.
(4)	CONCRETE PAVER UNITS OR COMPOSITE TILES SHALL BE A TRADITIONAL BRICK RED COLOR UNLESS SHOWN OTHERWISE IN THE PLANS.
(5)	CONCRETE PAVER UNITS SHALL BE SAW CUT ONLY AND CUT UNITS SHALL NOT BE LESS THAN 25 PERCENT OF A FULL UNIT.
(6)	ALL PRODUCTS LISTED ON THE QUALIFIED PRODUCTS LIST ARE ACCEPTABLE.
(7)	PLACE A MINIMUM TOTAL PAVER WIDTH OF 2'-0" ADJACENT TO CURB LINE.

GENERAL NOTES	
(A)	DETAILS SHOWN ON THIS PLAN APPLY TO THE CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS, OR SIDEWALKS.
(B)	CURB RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS.
(C)	RAMPS SHALL BE PROVIDED AT ALL CORNERS OF STREET INTERSECTIONS WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT WALK LOCATIONS IN MID-BLOCK AND ACROSS FROM CORNER RAMPS AT T-INTERSECTIONS.
(D)	THE FIRST TWO FEET OF RAMP MUST CONSIST OF A TRUNCATED DOMED SURFACE. RAMPS SHALL INCLUDE THE TRUNCATED DOME SURFACE TO PROVIDE A DETECTABLE WARNING FOR VISUALLY IMPAIRED PEDESTRIANS.
(E)	THE DETECTABLE WARNING SHOULD EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES).
(F)	THE DETECTABLE WARNING SURFACES SHALL PROVIDE A 70 PERCENT CONTRAST IN LIGHT REFLECTANCE WITH THE ADJOINING SURFACE.
(G)	CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP. THE GRADE SHALL BE FREE OF SAGS AND SHORT GRADE CHANGES.
(H)	DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS.
(I)	THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
(J)	CROSSWALK MARKINGS, IF USED, SHALL BE LOCATED AS SHOWN ON THE APPLICABLE HANDICAP RAMP STD. DWG. SEE STD. DWG. T-M-4 FOR TYPICAL STOP LINE PLACEMENT AND STANDARD CROSS WALK MARKING.
(K)	COST OF THE LOWERED CURB AND GUTTER TO BE INCLUDED IN THE PRICE OF ITEM NO. 702-01, CONCRETE CURB OR ITEM NO. 702-03, CONCRETE COMBINED CURB & GUTTER.
(L)	ENGINEER SHOULD BE NOTIFIED FOR ASSESMENT IF THE HANDICAP RAMP SIDE FLARES EXCEED 10' IN LENGTH DUE TO THE LONGITUDINAL ROADWAY GRADE.
(M)	ALL COST OF INSTALLING HANDICAP RAMPS INCLUDING TRUNCATED DOME IN EXISTING SIDEWALK AREAS INCLUDING REMOVAL OF THE EXISTING SIDEWALK SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEM: 701-02.01, CONCRETE HANDICAP RAMP (RETROFIT) PER SQUARE FOOT. PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE HANDICAP RAMP(S).
(N)	ALL COST OF INSTALLING HANDICAP RAMPS INCLUDING TRUNCATED DOME IN NEWLY CONSTRUCTED SIDEWALK AREAS SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEM: 701-02.03, CONCRETE HANDICAP RAMP PER SQUARE FOOT. PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE HANDICAP RAMP(S).
(O)	SURFACE TEXTURE TO BE OBTAINED BY A COURSE BROOMING TRANSVERSE TO THE SLOPE OF RAMP.
(P)	FOR SIGNALIZED INTERSECTIONS THAT REQUIRE PEDESTRIAN SIGNAL PUSH BUTTONS, SEE TDOT TRAFFIC DESIGN MANUAL FOR PLACEMENT AND DETAILS.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HANDICAP RAMP AND TRUNCATED DOME SURFACE DETAIL

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