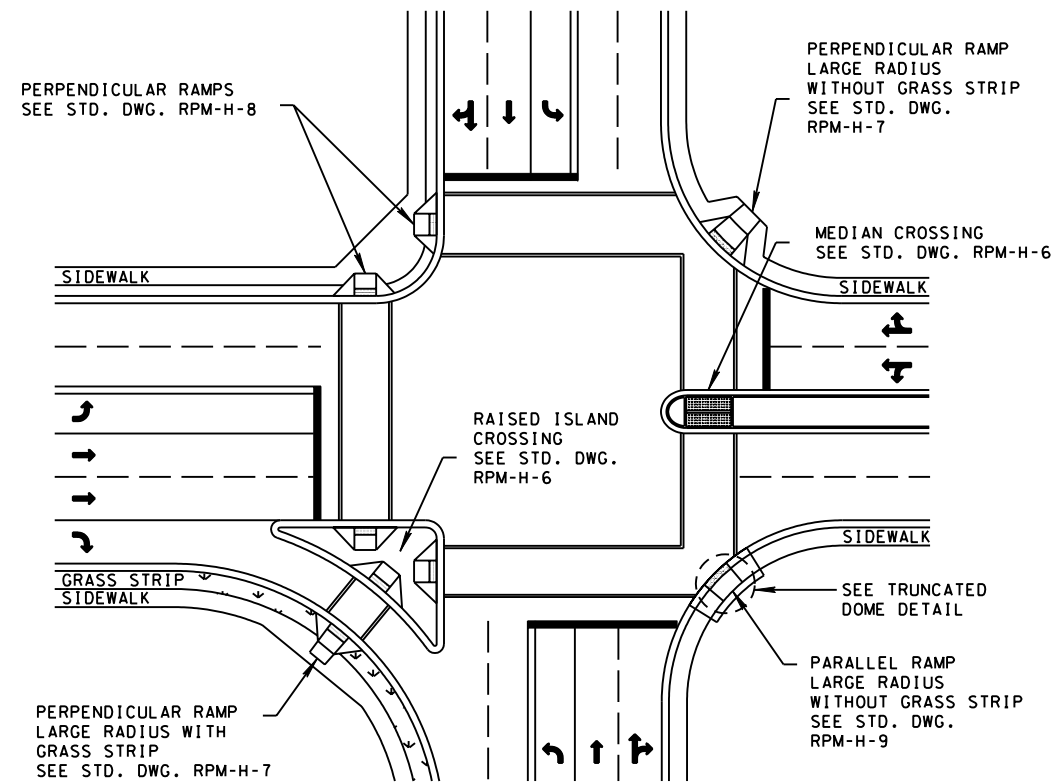
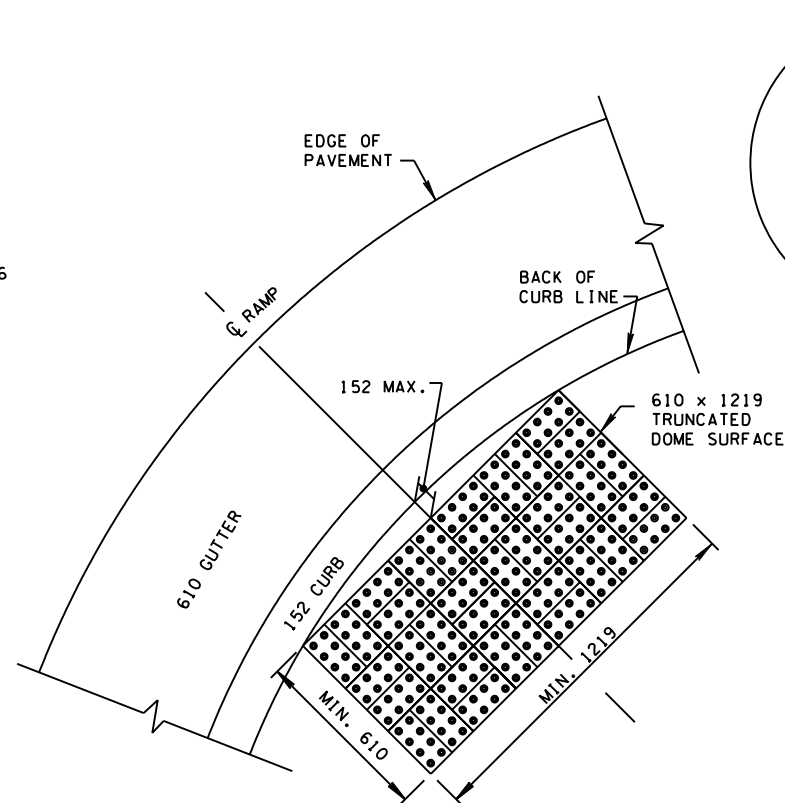


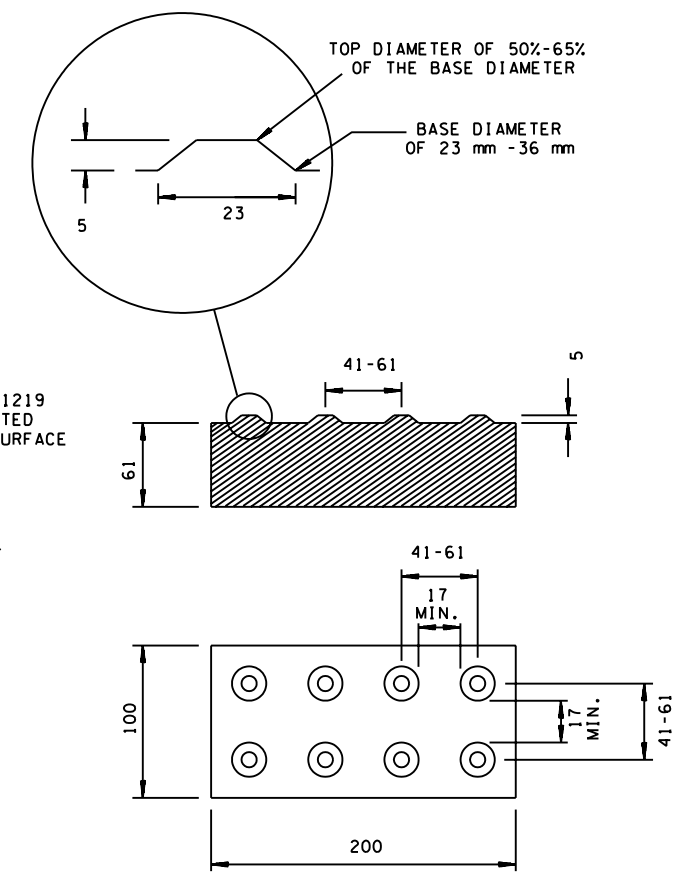
REV. 7-17-07: REVISED SIZE AND SPACING OF TRUNCATED DOMES ADDED NOTE ⑥, MODIFIED SPECIAL PAVER NOTES.



PLAN VIEW
(4-WAY INTERSECTION)



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. 100mm X 200 mm CONCRETE PAVERS SHALL BE LAID IN A BASKET WEAVE PATTERN, AS SHOWN. CONCRETE PAVERS OF OTHER DIMENSIONS ARE ALSO ACCEPTABLE PROVIDED THE PAVERS CAN BE PLACED IN A 600mm X 1200mm DIMENSION WITHOUT CUTTING THE PAVERS AND PAVER DEPTH IS 61 mm.
- ② COMPOSITE TILES WITH NOMINAL DEPTH OF 10 mm 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 610 mm ADJACENT TO CURB LINE.

GENERAL NOTES

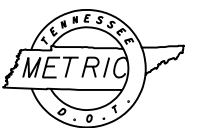
- ① DETAILS SHOWN ON THIS PLAN APPLY TO THE CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS, OR SIDEWALKS.
- ② CURB RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS.
- ③ RAMPS SHALL BE PROVIDED AT ALL CORNERS OF STREET INTERSECTIONS WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT WALK LOCATIONS IN MID-BLOCK AND ACROSS FROM CORNER RAMPS AT T-INTERSECTIONS.
- ④ THE FIRST 610 mm 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.
- ⑤ THE DETECTABLE WARNING SHOULD EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES).
- ⑥ THE DETECTABLE WARNING SURFACES SHALL PROVIDE A 70 PERCENT CONTRAST IN LIGHT REFLECTANCE WITH THE ADJOINING SURFACE.
- ⑦ CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP. THE GRADE SHALL BE FREE OF SAGS AND SHORT GRADE CHANGES.
- ⑧ DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS.
- ⑨ THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.
- ⑩ CROSSWALK MARKINGS, IF USED, SHALL BE LOCATED AS SHOWN ON THE APPLICABLE HANDICAP RAMP STD. DWG. SEE STD. DWG. TM-M-4 FOR TYPICAL STOP LINE PLACEMENT AND STANDARD CROSS WALK MARKING.
- ⑪ COST OF THE LOWERED CURB AND GUTTER TO BE INCLUDED IN THE PRICE OF ITEM NO. 702M01, CONCRETE CURB OR ITEM NO. 702M03, CONCRETE COMBINED CURB & GUTTER.
- ⑫ ENGINEER SHOULD BE NOTIFIED FOR ASSESMENT IF THE HANDICAP RAMP SIDE FLAERES EXCEED, 3.05 m IN DISTANCE DUE TO THE LONGITUDINAL ROADWAY GRADE.
- ⑬ 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:

701M02.01, CONCRETE HANDICAP RAMP (RETROFIT) PER SQUARE METER.

PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE HANDICAP RAMP(S).
- ⑭ ALL COST OF INSTALLING HANDICAP RAMPS INCLUDING TRUNCATED DOME IN NEWLY CONSTRUCTED SIDEWALK AREAS SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEM:

701M02.03, CONCRETE HANDICAP RAMP PER SQUARE METER.

PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE HANDICAP RAMP(S).
- ⑮ SURFACE TEXTURE TO BE OBTAINED BY A COURSE BROOMING TRANSVERSE TO THE SLOPE OF RAMP.
- ⑯ FOR SIGNALIZED INTERSECTIONS THAT REQUIRE PEDESTRIAN SIGNAL PUSH BUTTONS, SEE TDOT TRAFFIC DESIGN MANUAL FOR PLACEMENT AND DETAILS.



ALL UNITS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HANDICAP RAMP
AND TRUNCATED
DOME SURFACE
DETAIL

1-15-07 RPM-H-3