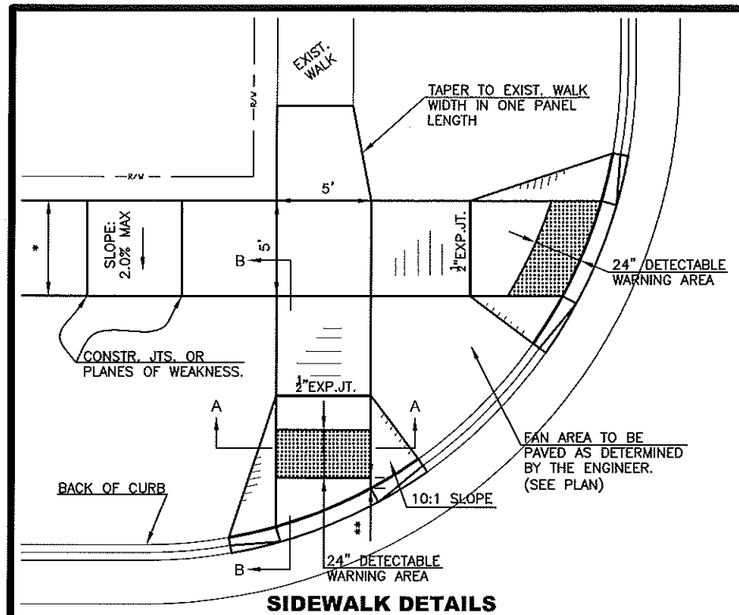
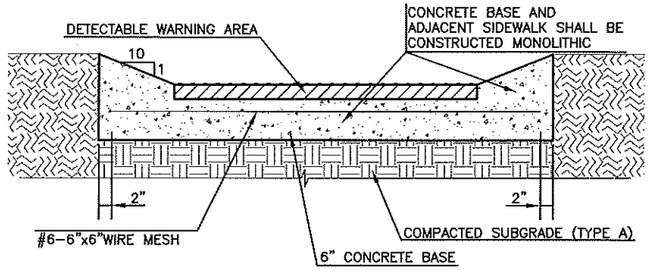
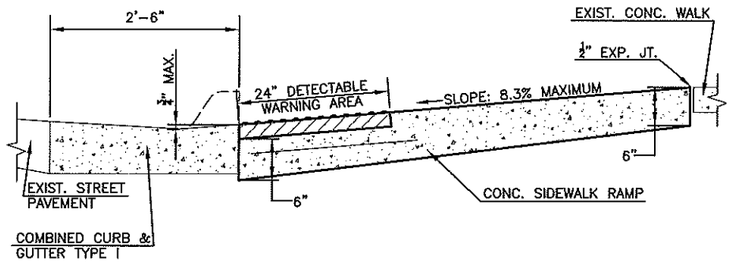


SIDEWALK DETAILS

NOTES:
1. FAN AREA TO BE PAID FOR AS 6" CONCRETE.
2. EXPANSION JOINTS SHALL BE THE CONSTRUCTION LIMITS OF 6" CONCRETE IN RAMP.
* 5' – PRINCIPAL ARTERIALS, MINOR ARTERIALS, COLLECTORS
4' – SUB–COLLECTORS, LOCALS
** DETECTABLE WARNING AREA MAY BE MOVED AWAY FROM BACK OF CURB LINE A MAXIMUM OF 6".



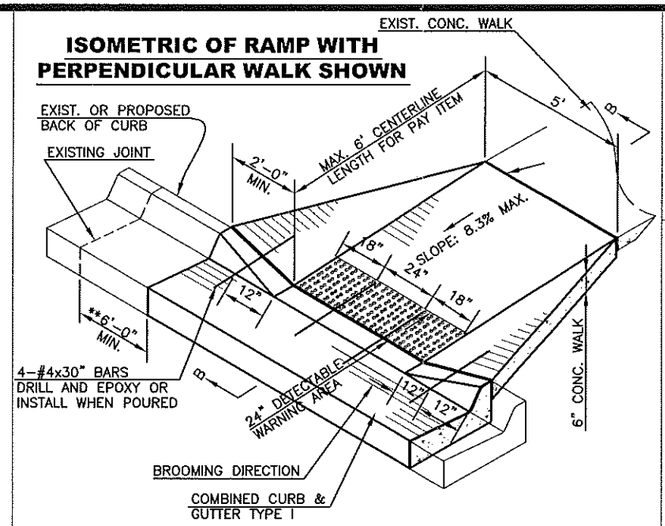
TYPICAL SECTION OF DETECTABLE WARNING SYSTEM

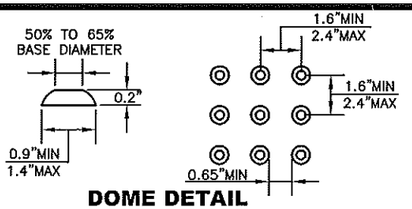


SIDEWALK RAMP DETAILS

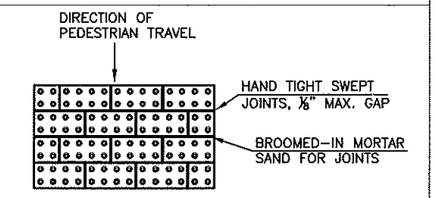
NOTES:
1. RAMP TO BE PAID FOR AS SIDEWALK RAMP. CURB AND GUTTER TO BE INCLUDED IN THE PRICE BID FOR COMBINED CURB AND GUTTER TYPE I.
2. SIDEWALK RAMP SHALL OBTAIN A MINIMUM OF 6" ABOVE ℄ FOR NEW SIDEWALK CONSTRUCTION.

ISOMETRIC OF RAMP WITH PERPENDICULAR WALK SHOWN



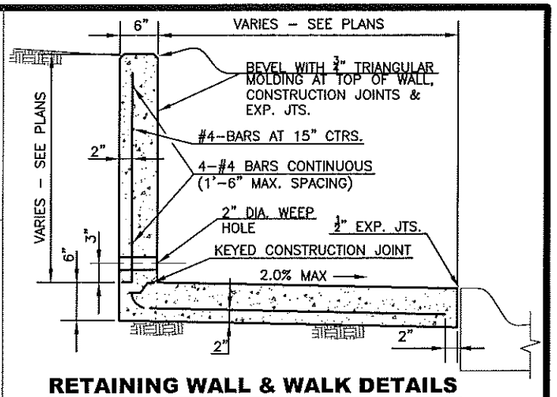


DOME DETAIL



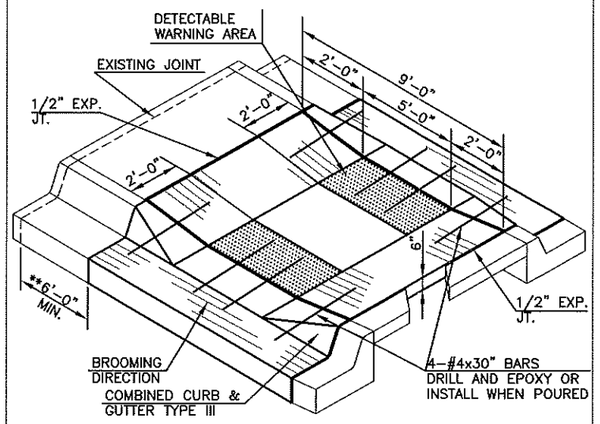
RUNNING BOND/PARALLEL ALIGNMENT AND JOINT DETAIL

Installation pattern for detectable warning paving bricks



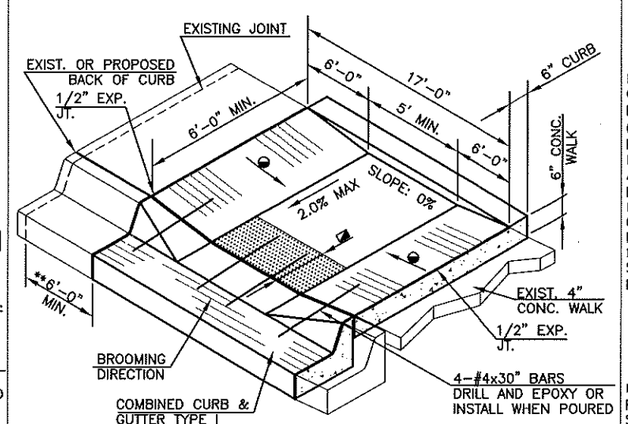
RETAINING WALL & WALK DETAILS

NOTE:
►THIS TYPE OF WALL MAY BE USED TO A MAXIMUM HEIGHT OF 3'–0".
►WEEP HOLES AT A MAXIMUM OF 15' CENTER TO CENTER WITH COARSE AGGREGATE PLACED AT EACH WEEP HOLE 18" IN ALL DIRECTIONS ABOVE FLOW LINE.
►CONCRETE SHALL BE CLASS "A" THROUGHOUT WITH GRADE 40 REINFORCING.
►PLACE 1/2" HARDWARE SCREEN AT WEEP HOLES TO RETAIN AGGREGATE.



ISOMETRIC OF MEDIAN RAMP CROSSING

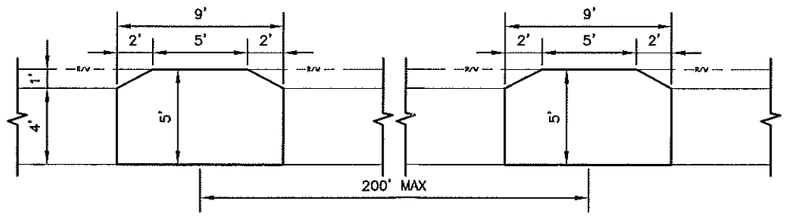
NOTE: MEDIAN RAMP CROSSING SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS.
CONCRETE MEDIAN CROSSINGS TO BE PAID FOR AS SIDEWALK RAMP.



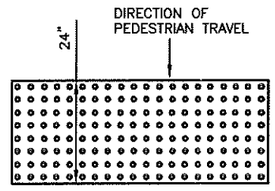
◒=SLOPE: 8.3% MAX
◪=24" DETECTABLE WARNING AREA

ISOMETRIC OF RAMP WITH ADJACENT WALK SHOWN

** IF CURB AND GUTTER AND/OR SIDEWALK TO BE REMOVED IS WITHIN 6'–0" OF AN EXISTING JOINT, REMOVE CURB AND GUTTER AND/OR SIDEWALK BACK TO EXISTING JOINT. JOINTS ARE TO BE PLACED AS PER SECTION 5, SUBSECTION 8 OF CITY/COUNTY STANDARD TECHNICAL SPECIFICATIONS.



TYPICAL WHEELCHAIR PASSING ZONE FOR SUB-COLLECTOR AND LOCAL STREETS



ACCESS-TILE REMOVABLE OR ARMOR-TILE CAST IN PLACE DETECTABLE WARNING SYSTEM

SIDEWALK (RESIDENTIAL AND COMMERCIAL) CONSTRUCTION

►SIDEWALKS SHALL BE CONSTRUCTED USING 4" THICK CONCRETE, EXCEPT AT DRIVEWAY CROSSINGS, WHERE IT SHALL BE 6" THICK PAVEMENT CLASS CONCRETE, 4000 PSI (RESIDENTIAL) OR 8" THICK PAVEMENT CLASS CONCRETE, 4000 PSI (COMMERCIAL).
►FINE GRADING MATERIAL SHALL BE CRUSHED ROCK AB–3. ALLOWABLE MAXIMUM COMPACTED THICKNESS OF AB–3 SHALL BE 2".
►SAND IS NOT AN APPROVED FILL, SUBGRADE, OR FINE GRADING MATERIAL UNDER PAVEMENT, SIDEWALKS, RAMPS, OR DRIVEWAYS.
►ALL SIDEWALKS AND RAMPS WITHIN PUBLIC RIGHTS–OF–WAY SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

SPECIAL REQUIREMENTS FOR SIDEWALK RAMP CONSTRUCTION

►SIDEWALK RAMPS SHALL BE CONSTRUCTED USING 6" THICK PAVEMENT CLASS CONCRETE (4000 PSI) AS DETAILED IN THE STANDARD TECHNICAL SPECIFICATIONS.
►EXPANSION JOINTS SHALL BE SEALED WITH APPROVED JOINT SEALANT WHERE SIDEWALKS AND DRIVE ENTRANCES (COMMERCIAL AND RESIDENTIAL) INTERSECT WITH PAVEMENT CURB.
►PAVING BRICK (TRUNCATED DOME SURFACE) UNITS SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
►THE BRICKS SHALL BE PLACED IN A PATTERN THAT CONFORMS TO THIS DRAWING AND ALIGNED IN THE DIRECTION OF PEDESTRIAN TRAVEL.
►THE BRICKS SHALL HAVE A TRUNCATED DOME TOP SURFACE FOR DETECTABLE WARNING TO PEDESTRIANS AND COMPLY WITH THE AMERICAN DISABILITIES ACT GUIDELINES.
►THE TRUNCATED DOME AREA SHALL BE A MAXIMUM WIDTH OF THE SIDEWALK RAMP OR MEDIAN RAMP. WIDER MEDIAN ISLANDS WILL RESULT IN A GAP BETWEEN THE TRUNCATED DOME AREAS.
►THE TRUNCATED DOME AREA SHALL BE A CONTRASTING COLOR TO THE ADJACENT SURFACES.
►THE BRICKS SHALL BE SAW CUT ONLY AND ANY BRICK SHALL NOT BE LESS THAN 25% OF A FULL BRICK.
►THE ARMOR–TILE CAST IN PLACE DETECTABLE WARNING SYSTEM, ACCESS–TILE REMOVABLE SYSTEM, PAVESTONE DETECTABLE WARNING PAVERS OR APPROVED EQUAL SHALL BE USED IN ALL SIDEWALK RAMPS.
►THE MORTAR SAND SHALL MEET THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.
►THE ENTIRE SIDEWALK RAMP OR MEDIAN CROSSING AS SHOWN WILL BE BID AS "SIDEWALK RAMP" AND PAYMENT FOR THIS WORK WILL BE MEASURED BY THE SQUARE FOOT.
►ALL MATERIALS AND LABOR TO INSTALL THE SIDEWALK RAMP SHALL BE SUBSIDIARY TO THE BID ITEM "SIDEWALK RAMP".

NO.	DATE:	REVISION	BY:	APP'D
3	Aug. 2011	Added Access–Tile Removable System	DHS	SB
2	Dec. 2009	Mod. S/W Details & cross slope to 2%	DHS	SB
1	Feb. 2008	Add. Armor–Tile Sys. & Mod. All Iso. Det.	DHS	SB

DRAWN BY: rm/mc
APP'D BY: [signature]

SHAWNEE COUNTY, KANSAS
PUBLIC WORKS DEPARTMENT
1515 NW SALINE
TOPEKA, KS 66618
(785) 233-7702

TOPEKA Public Works ENGINEERING
620 SE MADISON St. • 2nd Floor • TOPEKA, KS 66607
Phone: (785) 368-3842 • Fax: (785) 368-3881

STANDARD DETAILS

RAMP & WALK DETAILS
(DT-004)

DATE: Month Year
SHEET: X of X
PROJ.: X–XXXXXX.XX