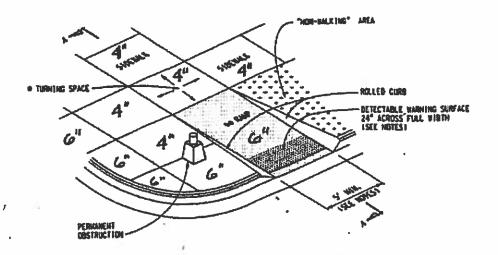
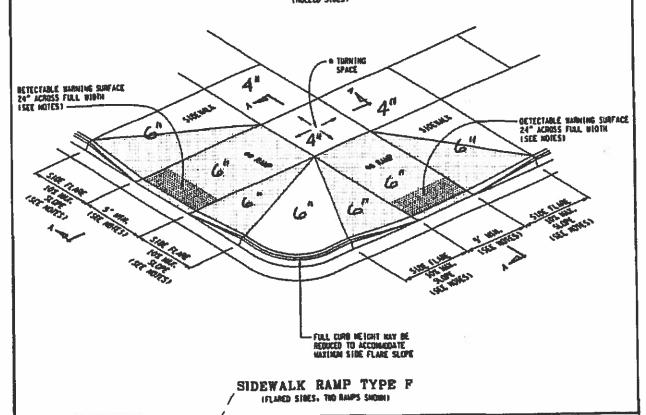


no marimum paup cross slope 12 2.0%. Rubning slope 5% - 7%. 18.3% marimum;. See hotes.



SIDEWALK RAMP TYPE R





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SIDEWALK RAMP AND

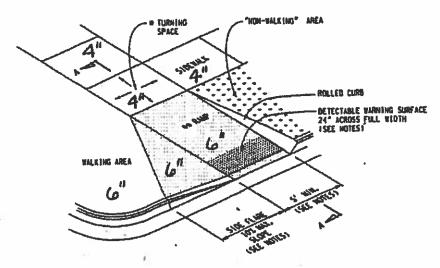
DETECTABLE WARNING DETAILS

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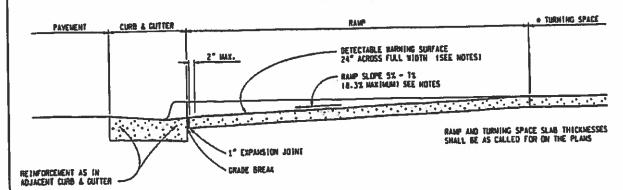
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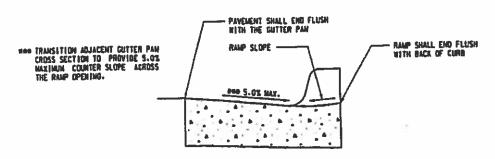
- * MAXIMUM TURNING SPACE SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMAN DIMENSIONS 5" x 5". SEE NOTES.
- so maximum ramp cross slope is 7.0%. Rumning slope 5% 7% (0.3% maximum). SEE NOTES.



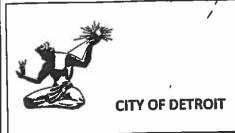
SIDEWALK RAMP TYPE RF



SECTION A-A



SECTION THROUGH CURB CUT



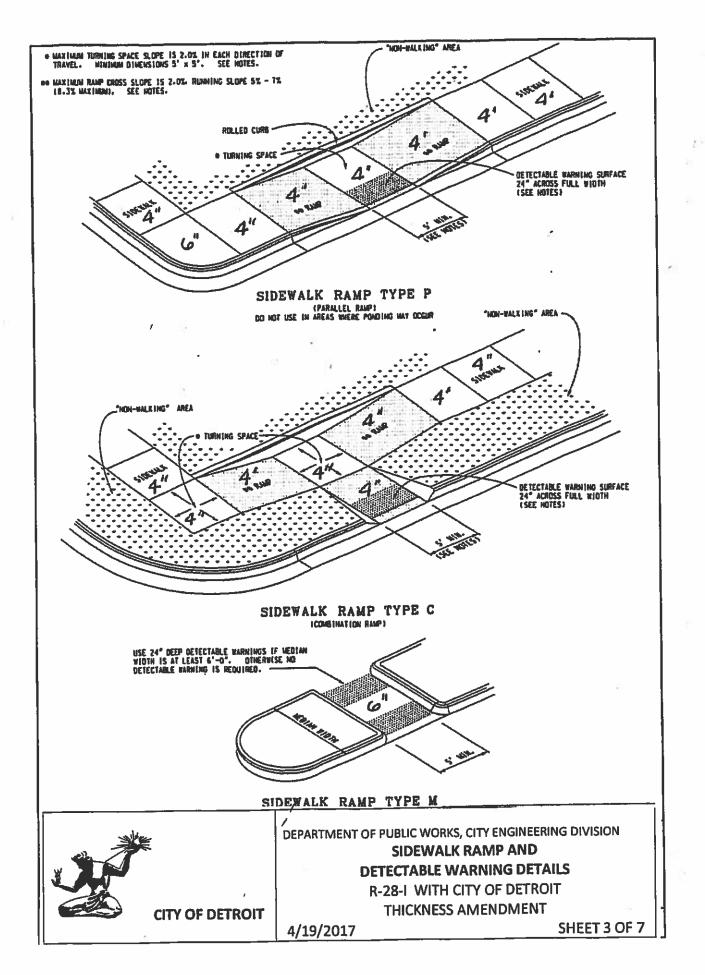
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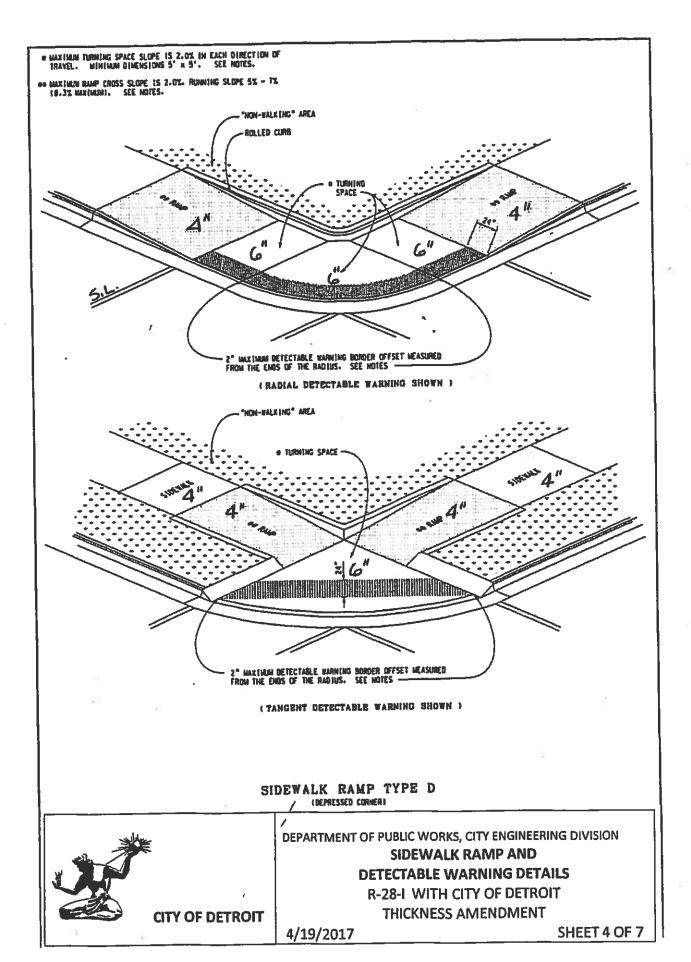
SIDEWALK RAMP AND
DETECTABLE WARNING DETAILS

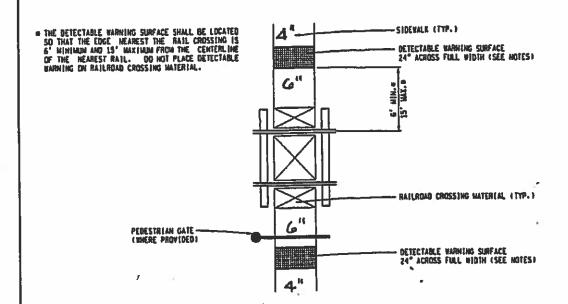
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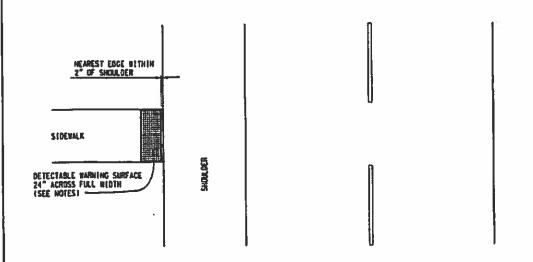
SHEET 2 OF 7



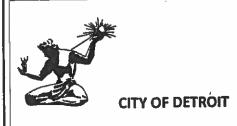




DETECTABLE WARNING AT RAILROAD CROSSING



DETECTABLE WARNING AT FLUSH SHOULDER OR ROADWAY



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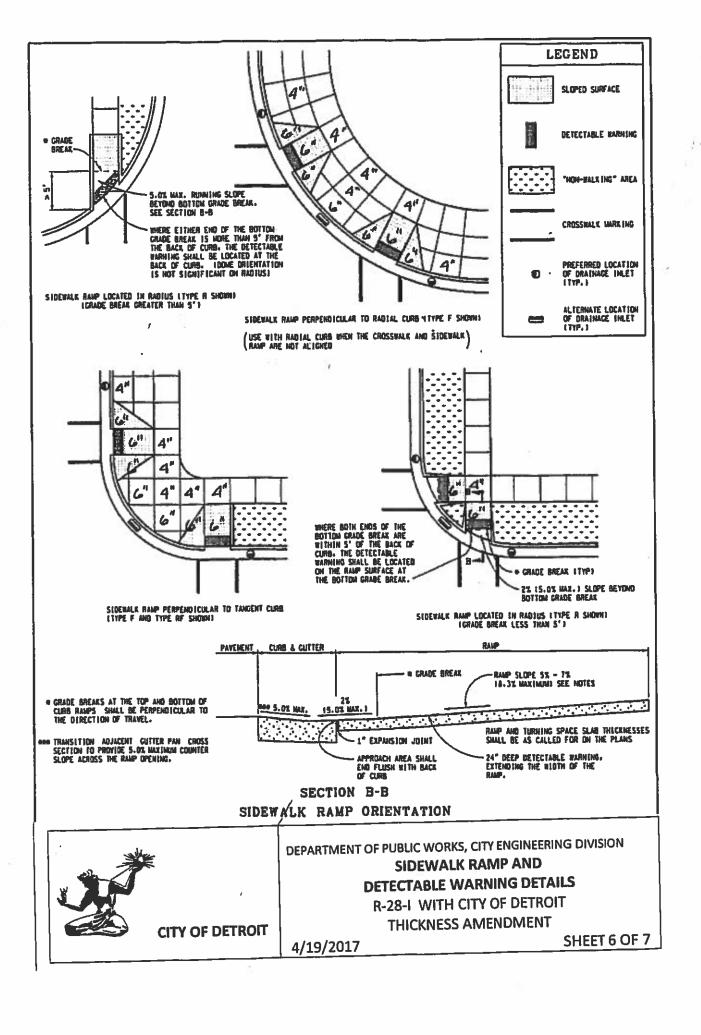
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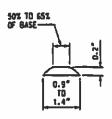
DETECTABLE WARNING DETAILS

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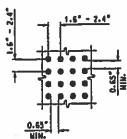
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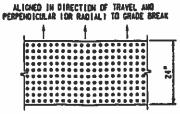




DOME SECTION



DOME SPACING



DOME ALIGNMENT

DETECTABLE WARNING DETAILS

BETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION, BECONSTRUCTION, OR ALTERATION OF STREETS. CURBS, OR SIDEWALLS IN THE PUBLIC RIGHT OF MAY.

SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OR PROFIDED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MARKED AND/OR SIGNALIZED MID-BLOCK

SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING. TRANSVERSE TO THE RUNNING SLOPE.

SIDEWALK SHALL BE RAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SMALL BE TAKEN TO ASSUME A UNIFORM GRADE ON THE NAMP. SHERE CONDITIONS PERMIT. IT IS DESIRABLE THAT THE SLOPE OF THE RAMP BE IN OWLY DIE DIRECTION. PARALLEL TO THE DIRECTION OF

RAMP WIDTH SHALL BE INCREASED. IF NECESSARY. TO ACCOMMIDATE SIDEWALK SHOW REMOVAL EQUIPMENT NORMALLY USED BY THE MINICIPALITY.

PROVIDE TURNING SPACES WHERE PEDESTRIAM TURNING MOVEMENTS ARE REQUIRED.

WHEN 5' MINIMAM WIDTHS ARE NOT FEASIBLE. RAMP RIDTH MAY BE REDUCED TO NOT LESS THAN: 4' AND TURNING SPACES TO NOT LESS THAN 4' x 4'.

DETECTABLE VARMING SURFACE COVERAGE IS 24" MINIMUM IN THE DIRECTION OF RAMP/PATH TRAVEL AND THE FULL WIGHTH OF THE RAMP/PATH OPENING EXCLUDING CURBED OR FLARED CURB TRANSITION THE SOURCE OF THE BOTTOM ALONG THE EDGES OF THE DETECTABLE VARMING IS ALLOWABLE. FOR RADIAL CURB THE OFFSET IS MEASURED FROM THE ENDS OF THE RADIUS.

FOR NEW ROADWAY CONSTRUCTION. THE HAMP CROSS SLOPE MAY NOT EXCECO 2.02. FOR ALIERATIONS TO EXISTING RADWAYS. THE CROSS SLOPE MAY BE TRANSITIONED TO WEET AN EXISTING RADWAY GRADE. THE CROSS SLOPE TRANSITION SHALL BE APPLIED UNIFORMLY OVER THE FULL LENGTH OF THE RAMP

THE MAXIMUM RUMMING SLOPE OF 0.3% IS RELATIVE TO A FLAT 10%; REFERENCE. HOWEVER, IT SHALL NOT REQUIRE ANY RAMP OR SERIES OF RAMPS TO EXCEED IS FEET IN LENGTH.

ORAINAGE STRUCTURES SMOULD NOT BE PLACED IN LINE WITH RAMPS. THE LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE OVER THE LOCATION OF THE GRAINAGE STRUCTURE. WHERE EXISTING DRAINAGE STRUCTURES ARE LOCATED IN THE RAMP PATH OF TRAYEL. USE A MANUFACTURER'S ADA COMPLIANT GRATE. OPENINGS SHALL NOT BE CREATER THAN 1-2". ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERFENDICULAR TO THE DOMINANT DIRECTION OF TRAYER. OF TRAVEL.

TRANSITION THE GUTTER PAW CROSS SECTION SUCH THAT THE COUNTER SLOPE IN THE DIRECTION OF RAMP TRAVEL IS NOT GREATER THAN 5.02. MAINTAIN THE NORMAL GUTTER PAW CROSS SECTION ACROSS ORAINAGE STRUCTURES.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSHALK AND STOP LINE MARKINGS. IF USED. SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES"

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM. MEASURED ALONG THE ROADSIDE CURB LINE. SHALL BE PROVIDED WHERE AN UNDESTRUCTED CIRCULATION PATH LATERALLY CROSSES THE SIQUYALK RAMP. FLARED SIBES ARE NOT REQUIRED WHERE THE RAMP IS BORDERD BY LANDSCAPING, LMPAVED SUBFACE OR PERMANENT FIRED OBJECTS. WHERE THEY ARE NOT REQUIRED. FLARED SIDES CAN BE CONSIDERED IN CROER TO AVOID SHARP CURB RETURNS AT RAMP OPENINGS.

DETECTABLE WARMING PLATES MUST BE INSTALLED USING FABRICATED OR FIELD CUT UNITS CAST AND/OR ANCHORED IN THE PAVEMENT TO RESIST SMIFTING OR HEAVING.



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