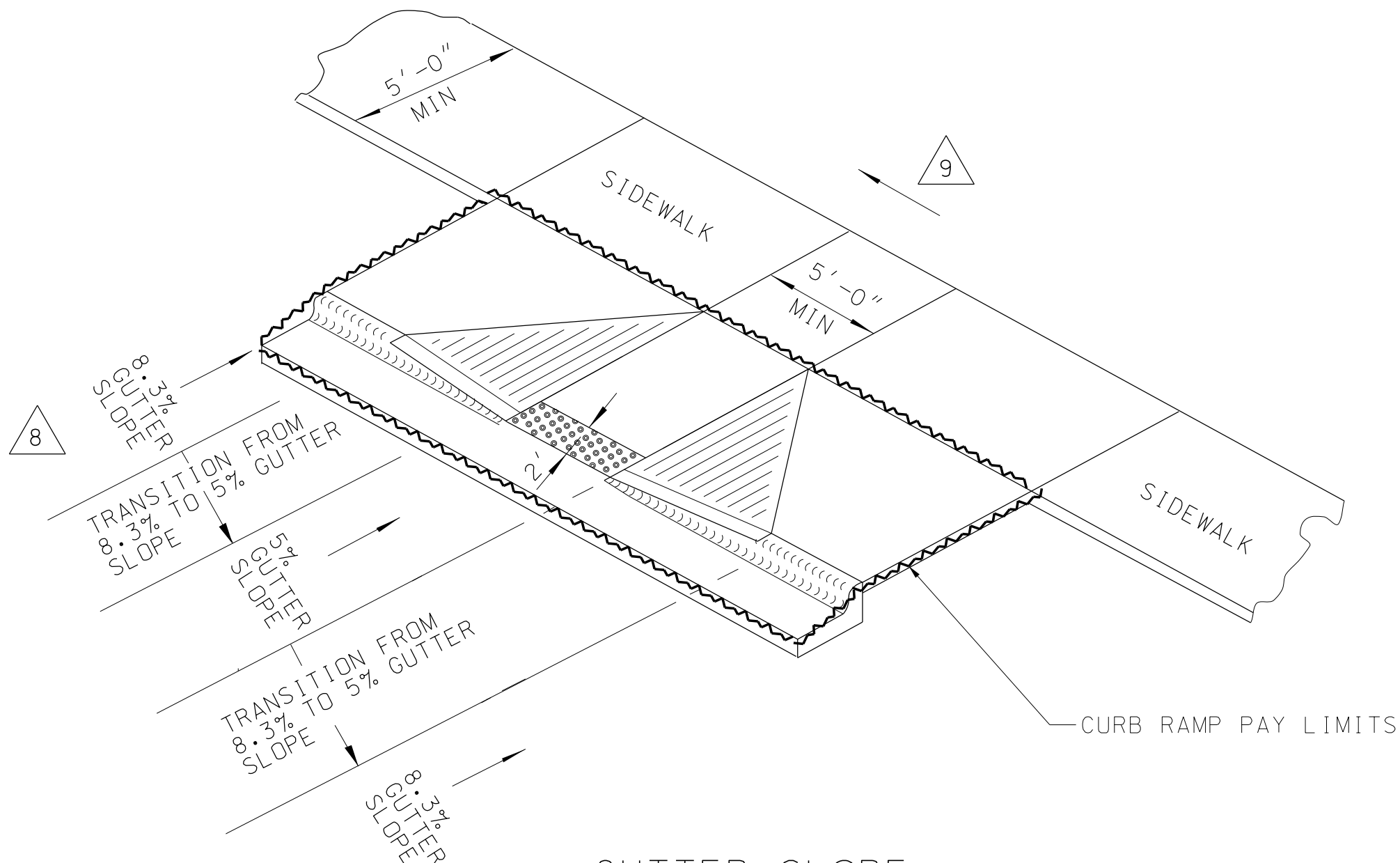
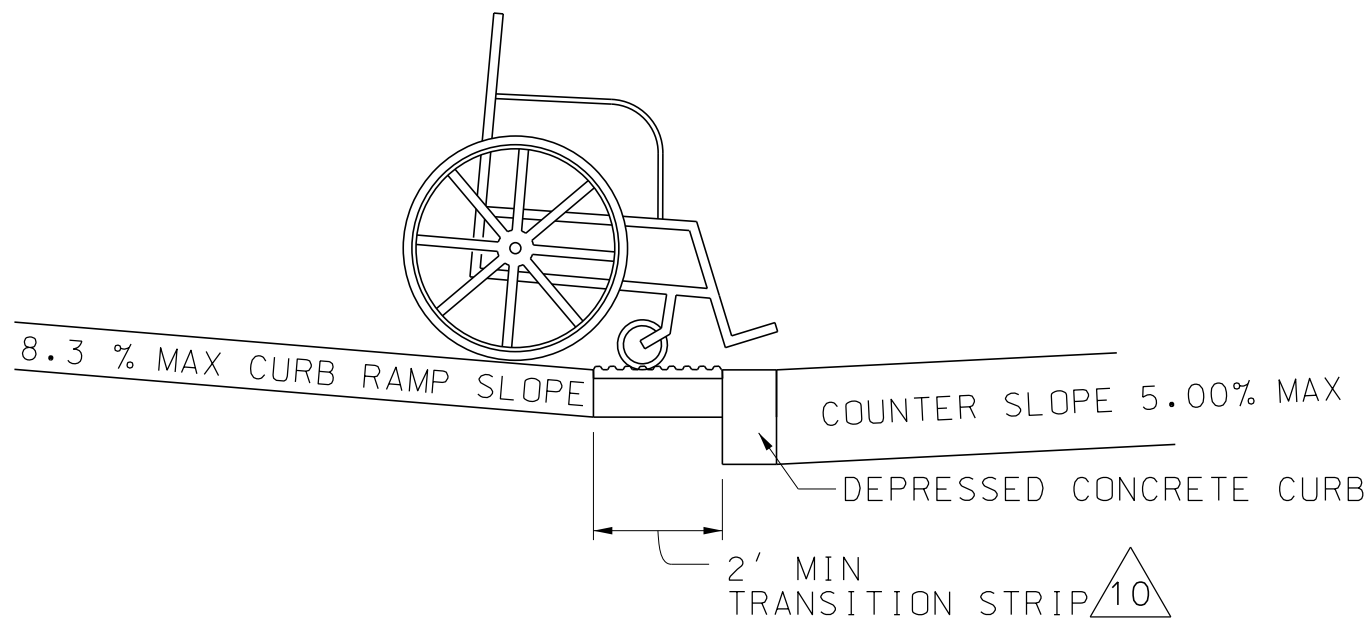


DETAIL CALL-OUTS: 14

1. RAMPS
15'-0" MAX LENGTH
8.3% (12:1) MAX RUNNING SLOPE
5.0% (20:1) MIN RUNNING SLOPE
2.0% (50:1) MAX CROSS SLOPE
2. FLARES
10.0% (10:1) MAX RUNNING SLOPE
3. LANDING OR TURNING SPACE
2.0% (50:1) MAX RUNNING SLOPE
2.0% (50:1) MAX CROSS SLOPE
4. OMIT
5. SIDEWALKS
5.0% (20:1) MAX RUNNING SLOPE
2.0% (50:1) MAX CROSS SLOPE
6. DRIVEWAYS
8.0% (12.5:1) MAX CHANGE IN GRADE BETWEEN ROAD SURFACES AND DRIVEWAY
8.0% (12.5:1) MAX CHANGE IN GRADE BETWEEN DRIVEWAY AND SIDEWALK



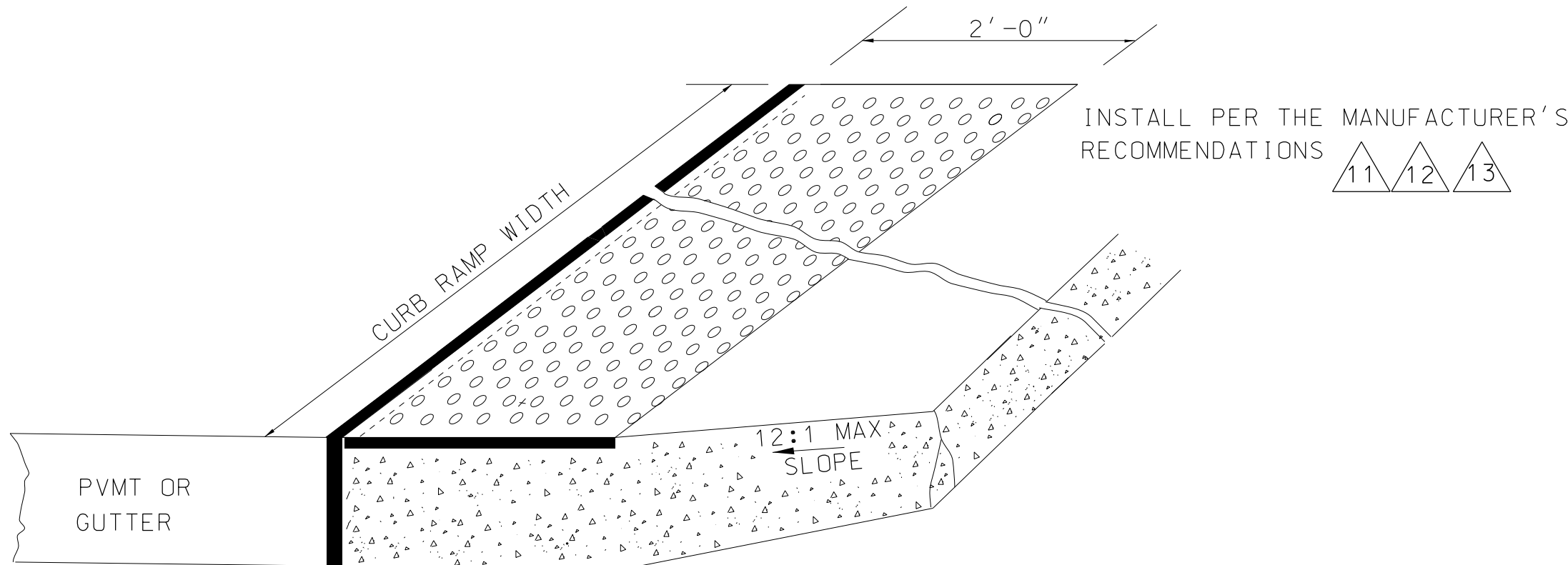
GUTTER SLOPE TRANSITIONS



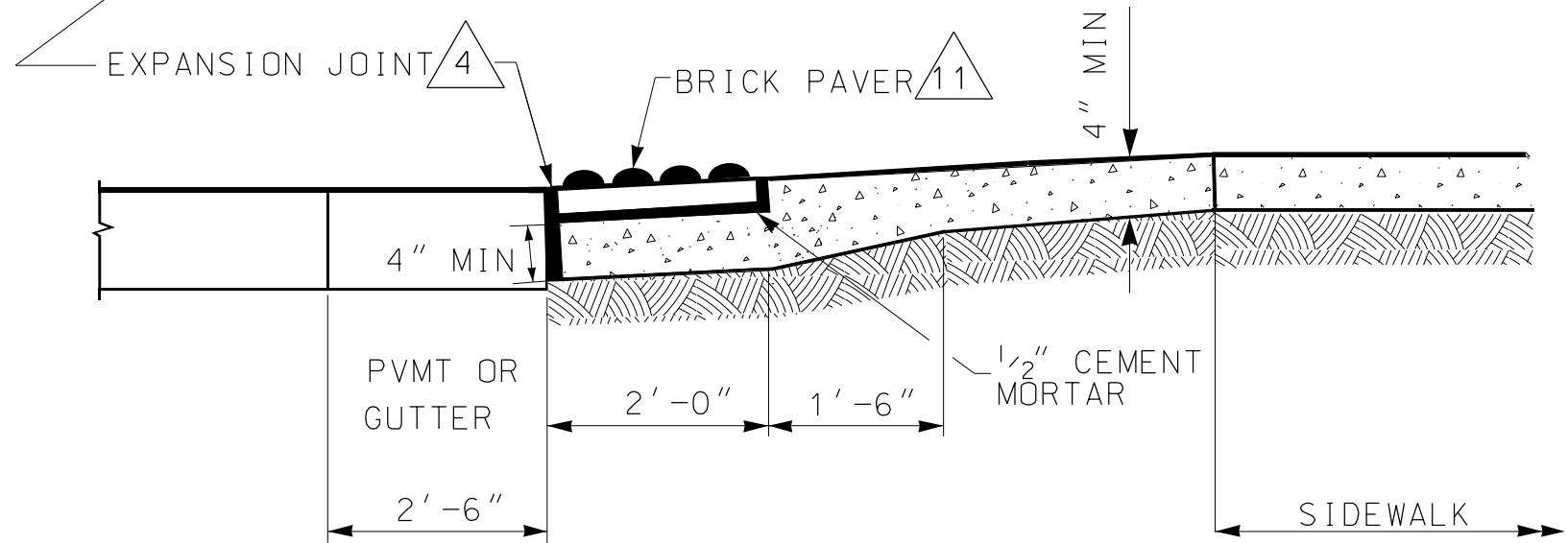
CHANGE OF GRADE LIMITATIONS

GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS:

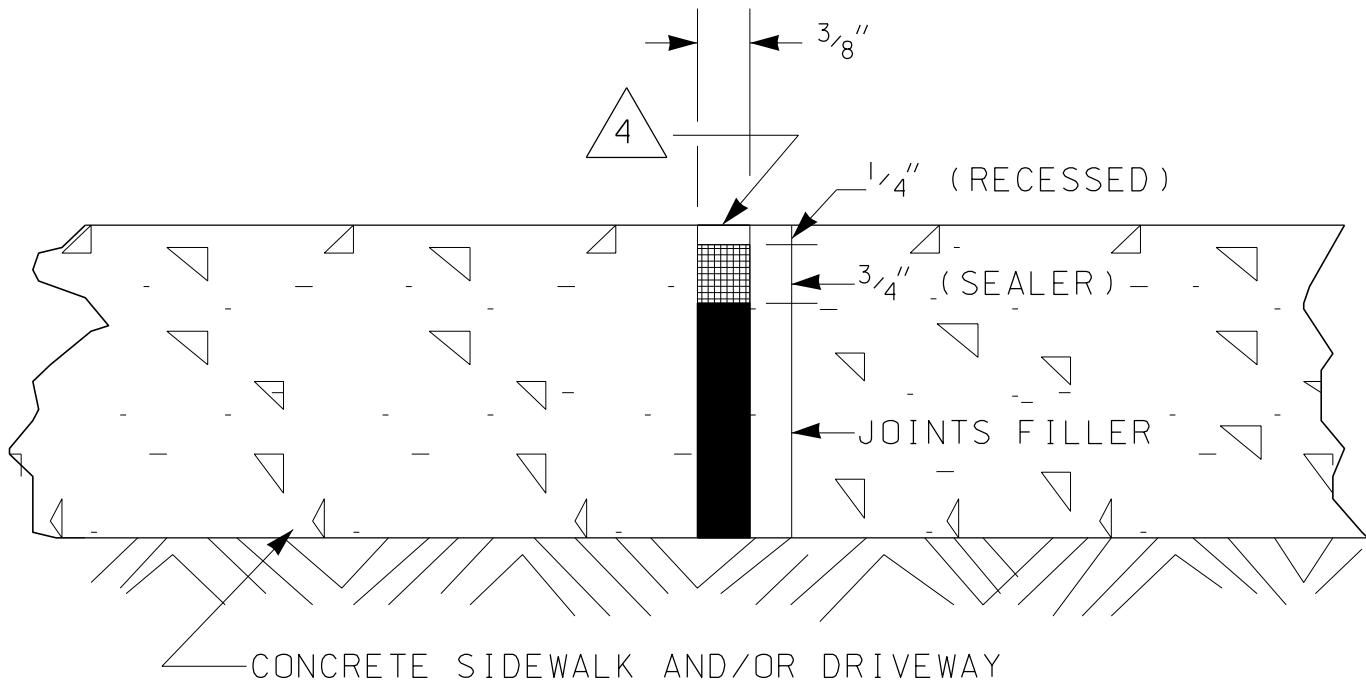
1. WHERE THE TURNING SPACE IS CONSTRAINED AT THE BACK-OF-SIDEWALK SUCH AS, A BUILDING, ADJACENT TO THE SIDEWALK, THE TURNING SPACE SHALL BE 4'-0" MIN BY 5'-0" MIN. THE 5'-0" DIMENSION SHALL BE PROVIDED IN THE DIRECTION OF THE RAMP RUN.
2. SIDEWALK, RAMP, AND CURB RAMP SURFACES SHALL BE NON-SKID PREPARED BY BRUSHING.
3. 2% (50:1) OR LESS IS CONSIDERED FLAT.
4. INSTALL EXPANSION JOINT MATERIAL WHERE NEW CONSTRUCTION MEETS EXISTING SIDEWALKS, CURBS, GUTTERS, OR FOUNDATIONS. THE CONSTRUCTION JOINT MATERIAL SHALL MEET THE REQUIREMENT OF SECTION 832.01 AND SEALED IN ACCORDANCE WITH SECTION 832.02.
5. THE SUBGRADE SHALL BE FREE OF ALL ROOTS AND OTHER UNDESIRABLE MATERIALS WITH THE ROOTS CUT BACK ONE (1) FOOT FROM FACE OF SIDEWALK.
6. SIDEWALKS, RAMPS, LANDINGS, AND CURB RAMPS SHALL BE FOUR (4) INCHES THICK UNLESS NOTED OTHERWISE.
7. RAMP AND CURB RAMP GRADE(SLOPE IN THE DIRECTION OF PEDESTRIAN TRAVEL) SHALL NOT EXCEED 8.3% (12:1).
8. GUTTER SLOPE SHALL NOT EXCEED 8.3% (12:1). THIS APPLIES WHETHER OR NOT GUTTERS ARE DETECTED IN THE EXAMPLES.
9. WITHIN THE STREET OR HIGHWAY RIGHT-OF-WAY, THE GRADE OF THE PEDESTRIAN ACCESS ROUTES SHALL NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET OR HIGHWAY. WHERE PEDESTRIAN ACCESS ROUTES ARE NOT CONTAINED WITHIN A STREET OR HIGHWAY RIGHT-OF-WAY, THEY SHALL HAVE A MAXIMUM SLOPE OF 20:1 (5.0%).
10. PROVIDE A TWO (2) FEET MINIMUM TRANSITION STRIP IF ALGEBRAIC DIFFERENCES BETWEEN ROADWAY SLOPE AND CURB RAMP SLOPE ARE GREATER THAN 9:1 (11.0%). TRANSITION STRIP SHALL NOT EXCEED 2.0% (50:1).
11. DETECTABLE WARNING SURFACES MUST BE TWO (2) FEET IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP. THE DETECTABLE WARNING MATERIAL AND MANUFACTURER SHALL BE FROM THE ALABAMA DEPARTMENT OF TRANSPORTATION LIST OF QUALIFIED MATERIAL, SOURCES, AND DEVICES. THE COLOR SHALL BE BRICK RED OR A COLOR APPROVED BY THE ENGINEER THAT SHALL CONTRAST THE SURROUNDING SURFACES LIGHT-ON-DARK OR DARK-ON-LIGHT.
12. VERTICAL SURFACE DISCONTINUITIES SHALL BE 0.50 INCH MAXIMUM. VERTICAL SURFACE DISCONTINUITIES BETWEEN 0.25 AND 0.5, INCH SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 2:1 (50.0%).
13. DOMES SHALL BE PARALLEL TO THE RAMP SO THAT THE WHEELCHAIR WHEELS CAN TRAVEL BETWEEN THE DOMES. (WHERE POSSIBLE ON CURVED INSTALLATIONS.)
14. THESE MAXIMUM SLOPES SHALL NOT BE EXCEEDED.
15. TO PREVENT STANDING WATER AT THE BASE OF CURB RAMPS, LOCATE STORM DRAIN INLETS UPSTREAM.
16. IF A 4 FOOT SIDEWALK IS REQUIRED, THEN A 5 FOOT X 5 FOOT PASSING ZONE SHALL BE CONSTRUCTED EVERY 200 FEET.
17. IF THE SIDEWALK IS ADJACENT TO THE CURB, THE WIDTH SHOULD BE 6 FOOT; 5 FOOT MINIMUM IF ROW CONSTRAINTS EXIST.



PREFABRICATED MAT OPTION (INLAID)



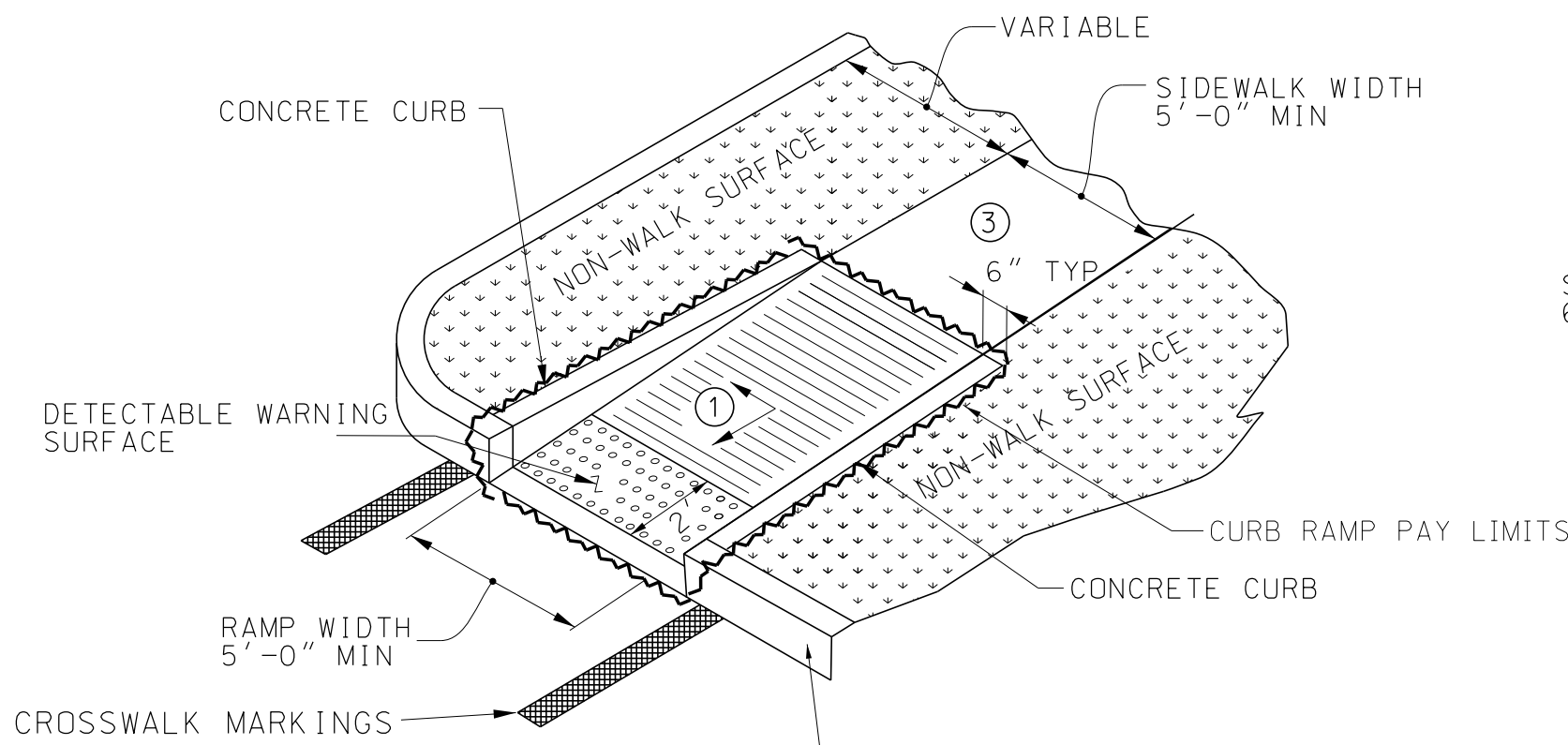
BRICK PAVER OPTION



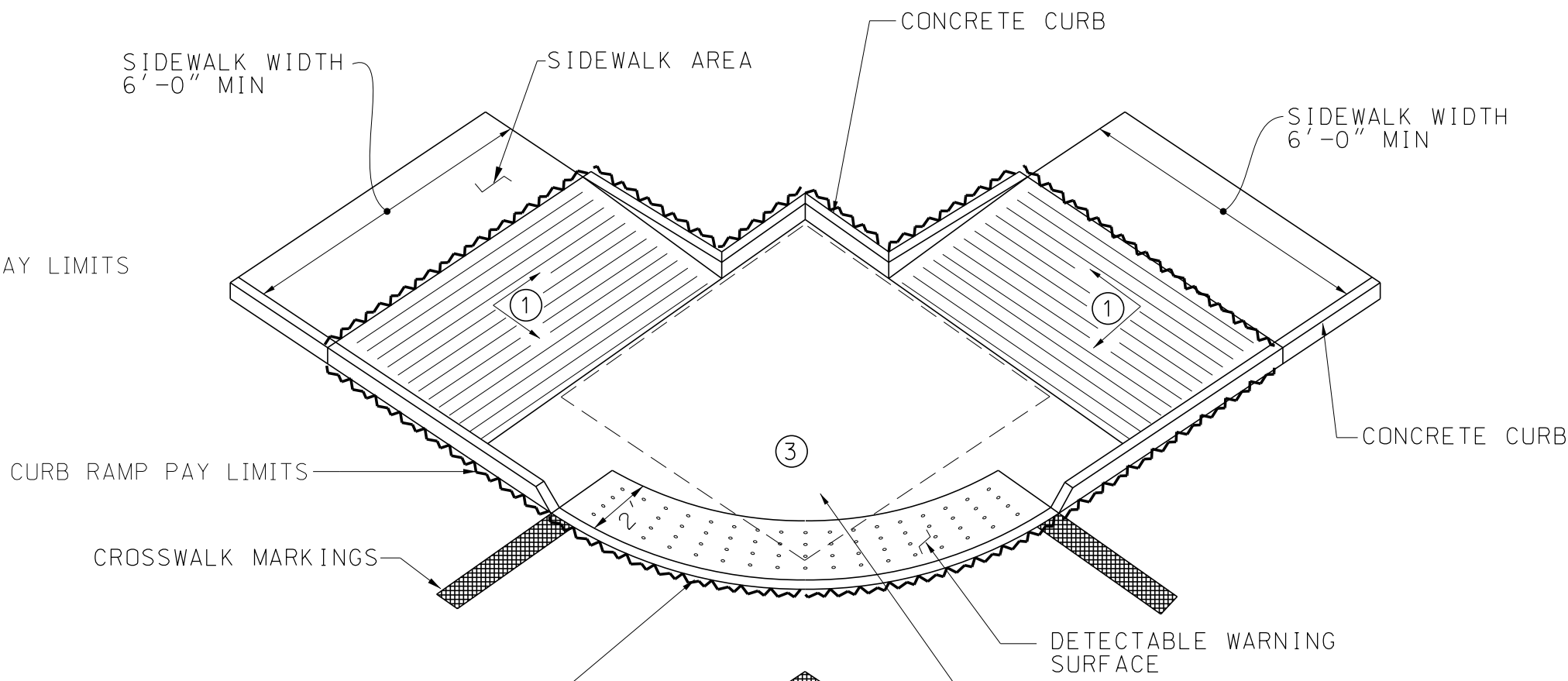
EXPANSION JOINT DETAILS

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION		
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10/25/18 OMIT CALLOUT 4' AND 12' REVISIONS 05/22/19 REVISED "EXPANSION JOINT DETAIL" TO BE RECESSED FROM TOP 1/2" SEALER AND JOINTS FILLER THE REST IDENTIFIED CURB RAMP PAY LIMITS, MODIFIED EXPANSION JOINT DETAILS, AND OTHER MISC CLEAN UPS BY D.W.	6-L.D. J.F.T. 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050	ALABAMA DEPARTMENT OF TRANSPORTATION
DESIGN BUREAU SPECIAL DRAWING CURB RAMP DETAIL CALLOUTS, GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS, AND DETAILS		
Bureau Std Engr: DJW DRAWN BY: DATE DRAWN:	SPECIAL DRAWING NO. SW-618 (SHEET 1 OF 4)	INDEX NO. 61801

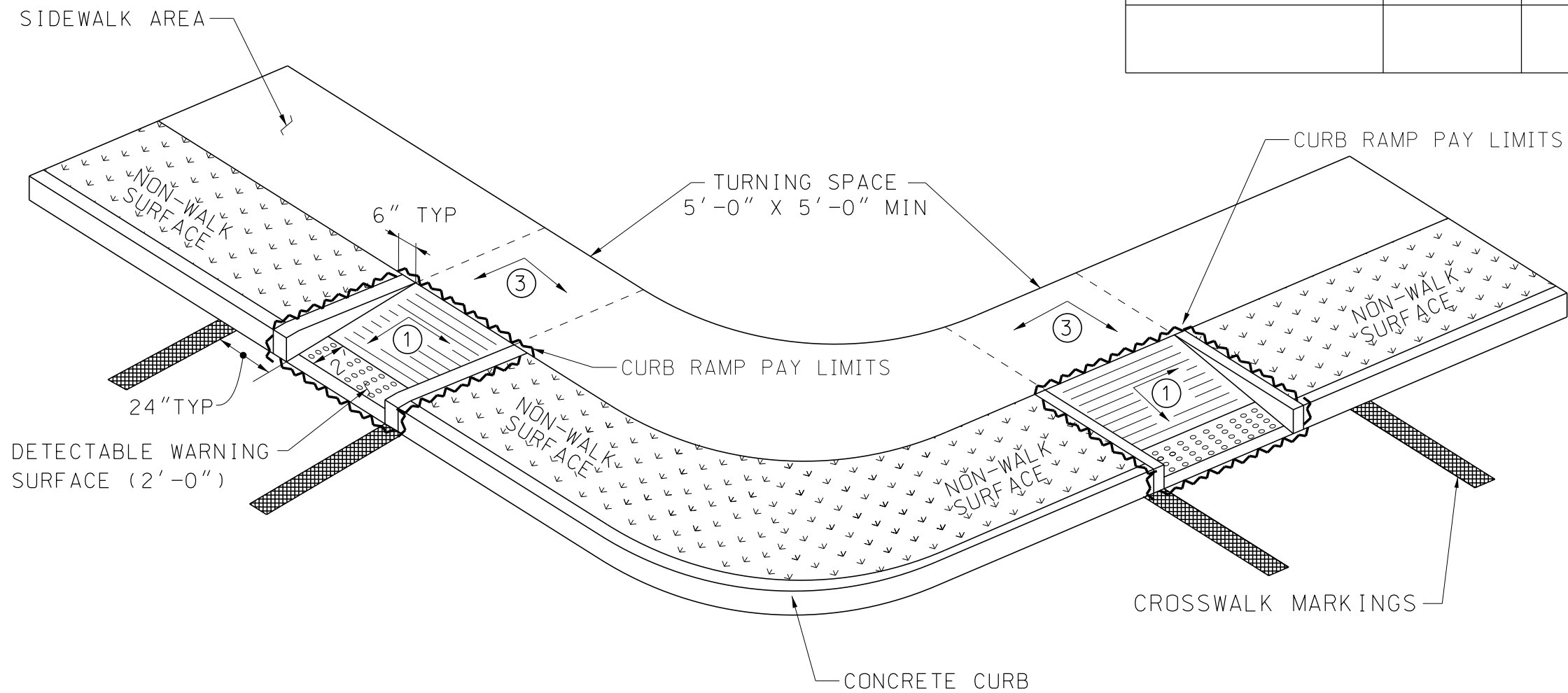
NOT TO SCALE



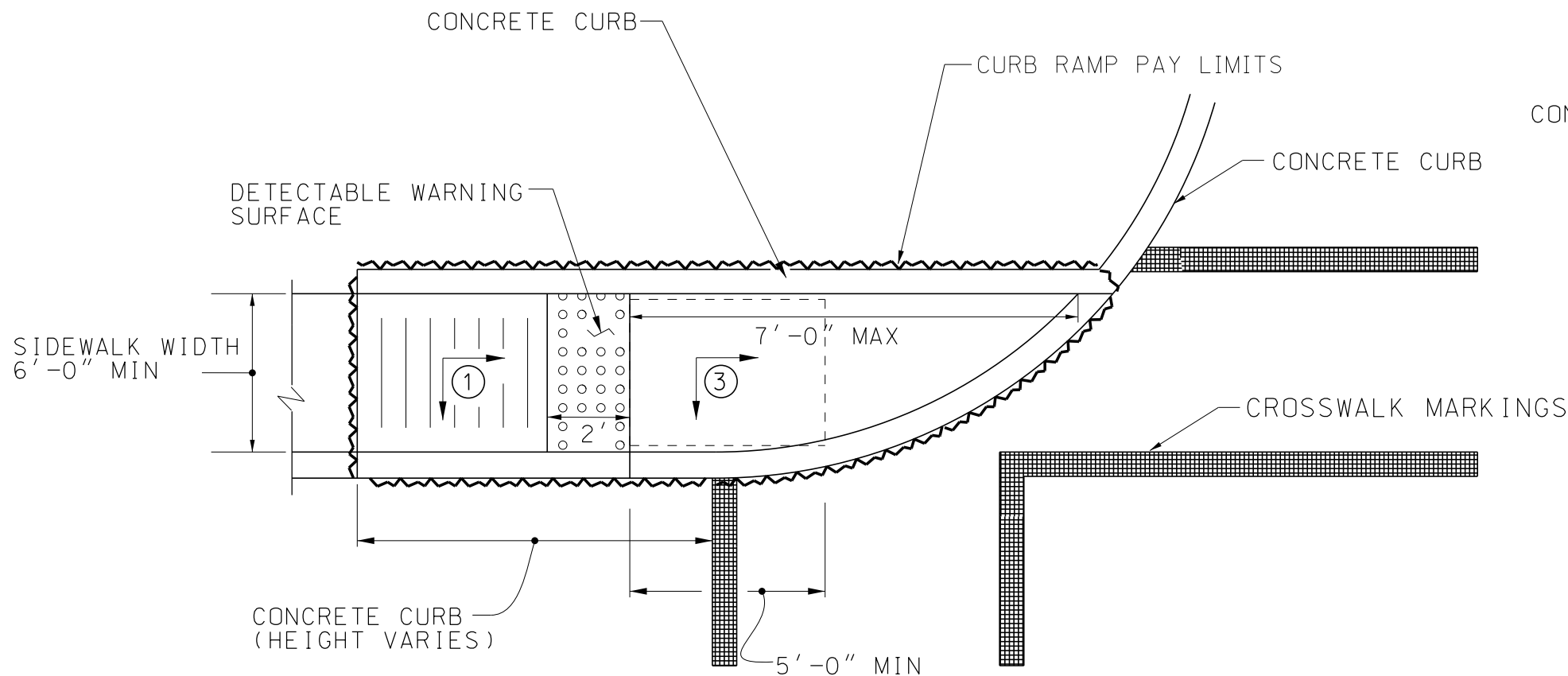
TYPE 1: PARALLEL CORNER



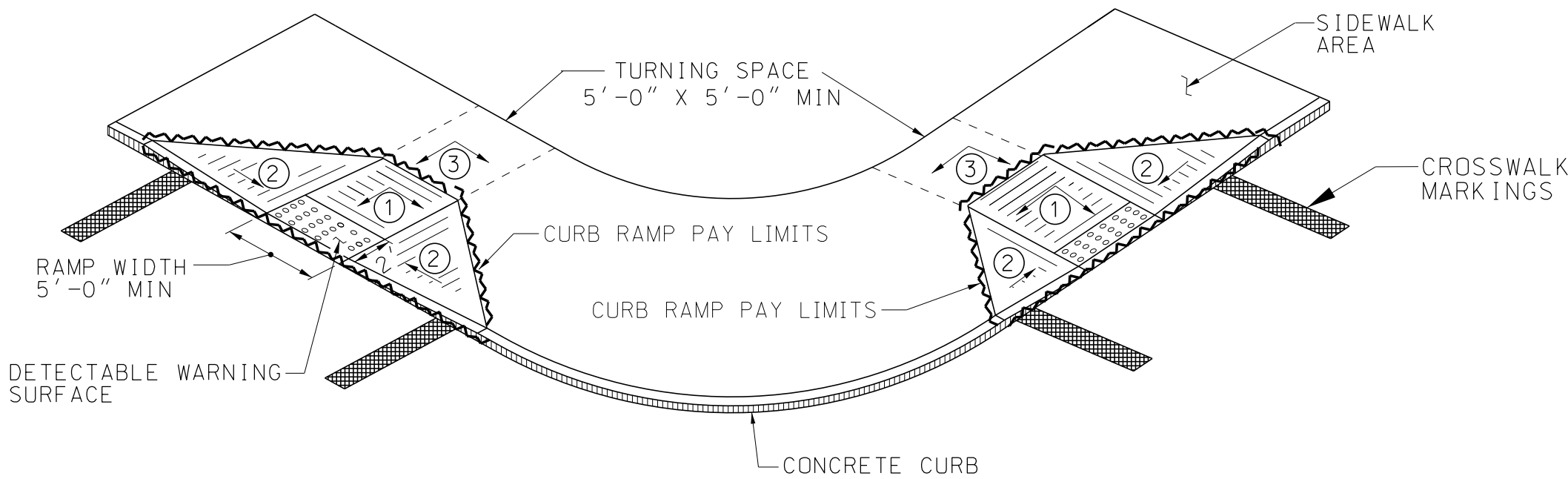
TYPE 2: BLENDED CORNER



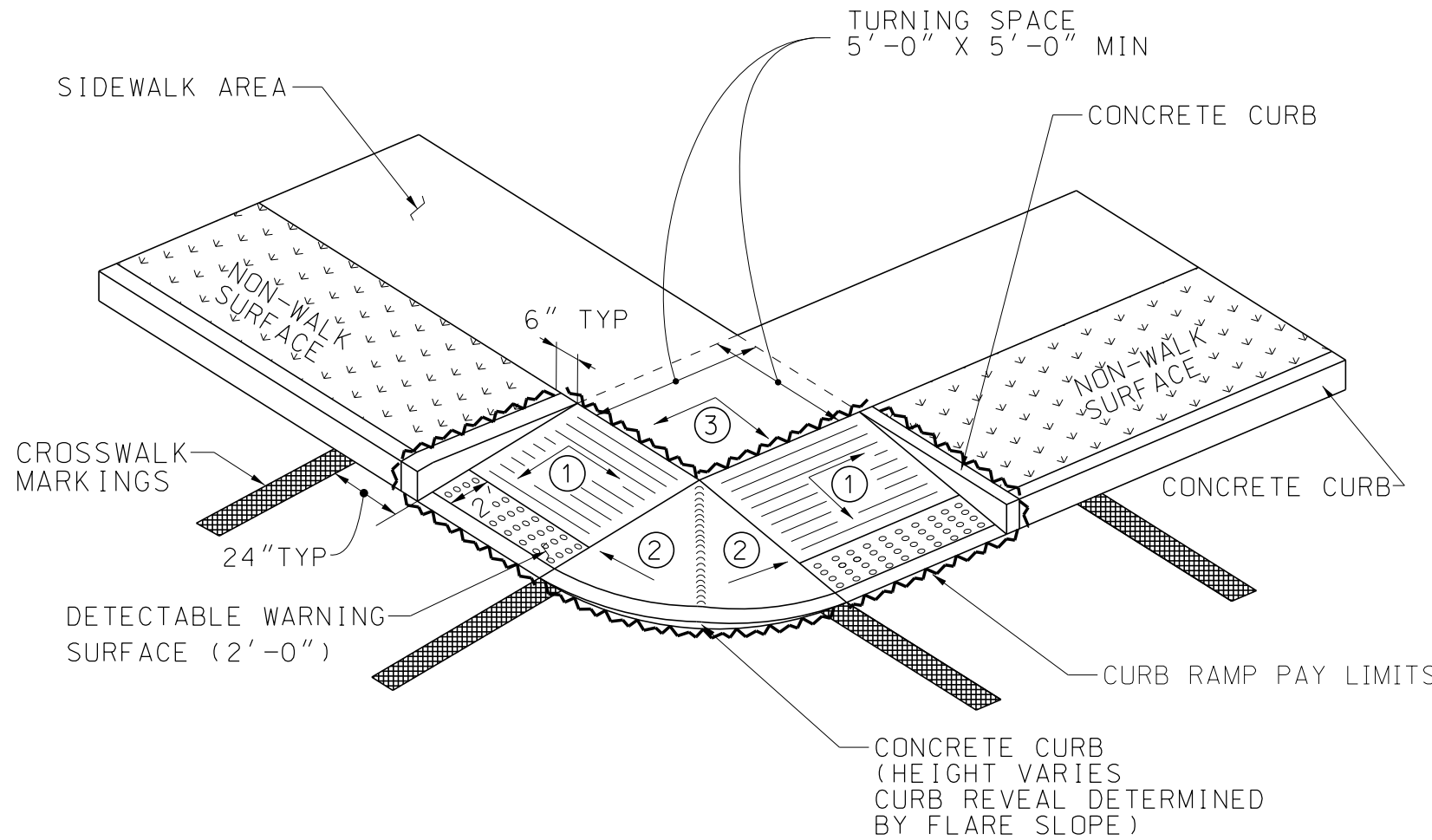
TYPE 3B: PERPENDICULAR CORNER



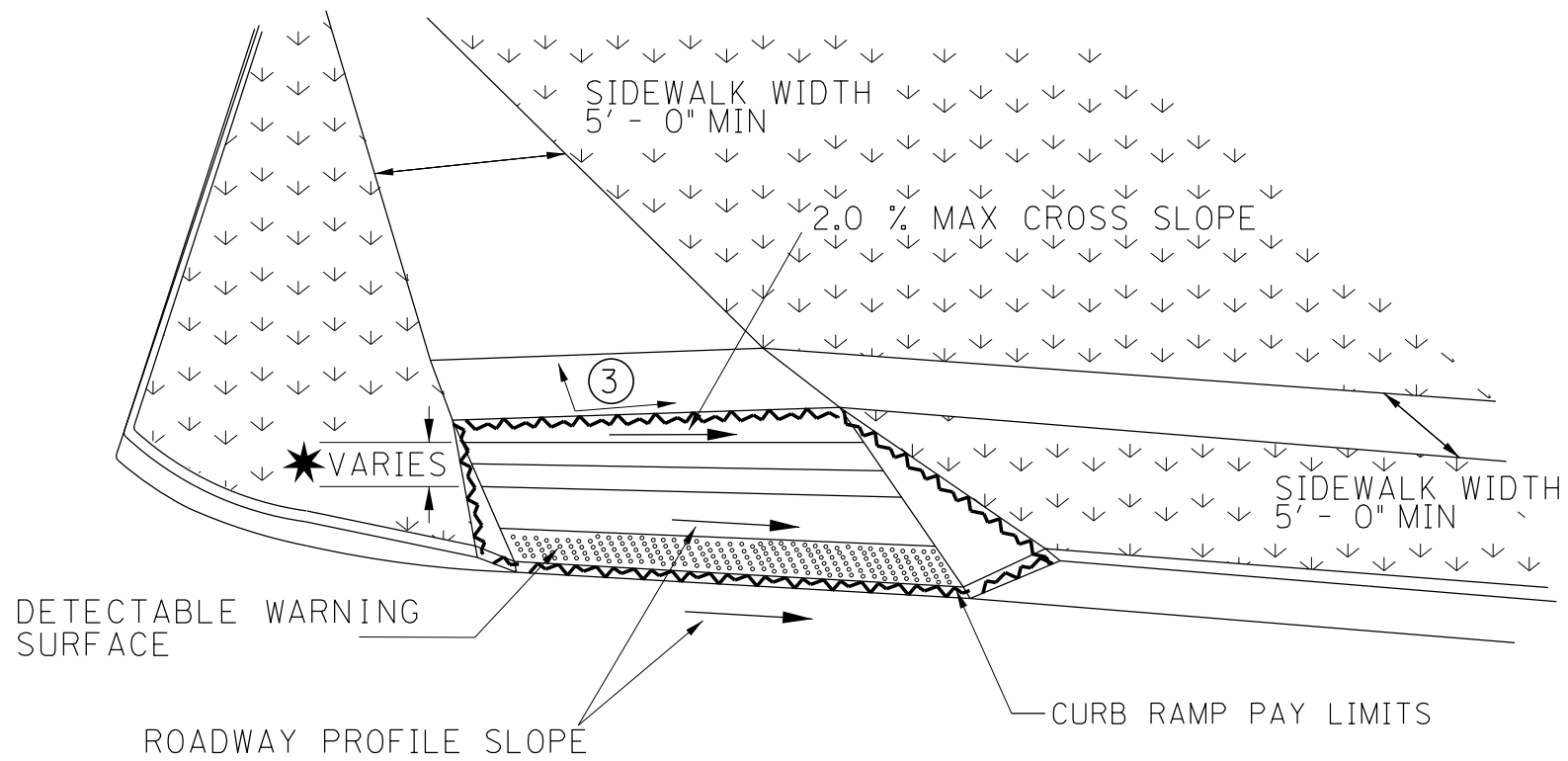
TYPE 1A: PARALLEL CORNER



TYPE 3: PERPENDICULAR CORNER



TYPE 3C: PERPENDICULAR CORNER

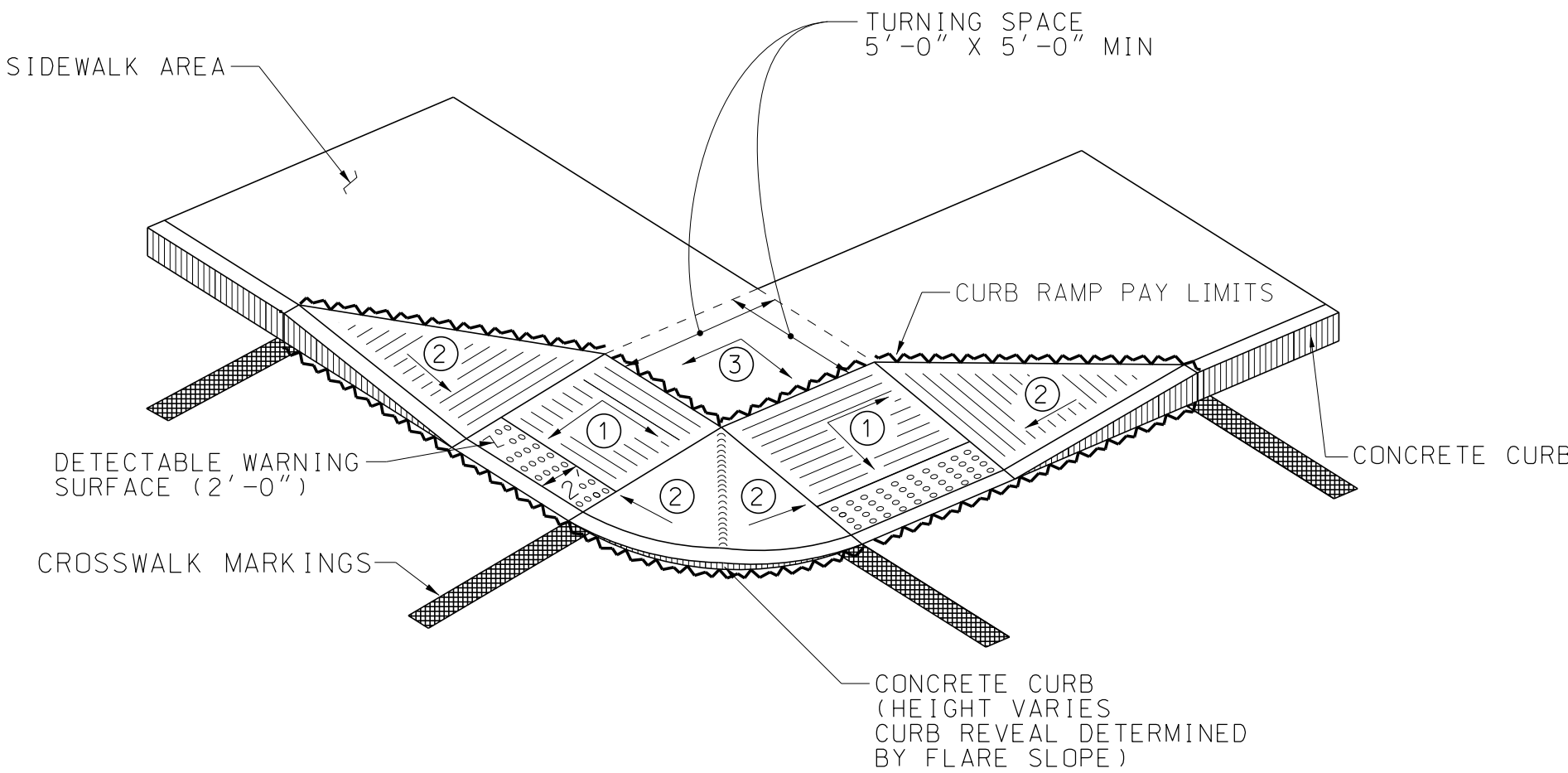


TYPE 1B: PARALLEL CORNER WITH SIDE ROAD SLOPE

* TRANSITION CURB RAMP CROSS SLOPE IN THIS AREA TO MATCH THE ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3.00% CHANGE IN CROSS SLOPE PER 1'-0" LONGITUDINAL DISTANCE ALONG CURB RAMP WHEN TRANSITIONING TO ROADWAY PROFILE. THIS AREA MAY NEED TO BE LENGTHENED TO ACCOMMODATE AN ACCEPTABLE TRANSITION.

COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE OR USE 1'-0" DETECTABLE WARNING SURFACE WIDTH.

CONSTRUCT DEPRESSED CURB SLOPE TO MATCH ROADWAY PROFILE.

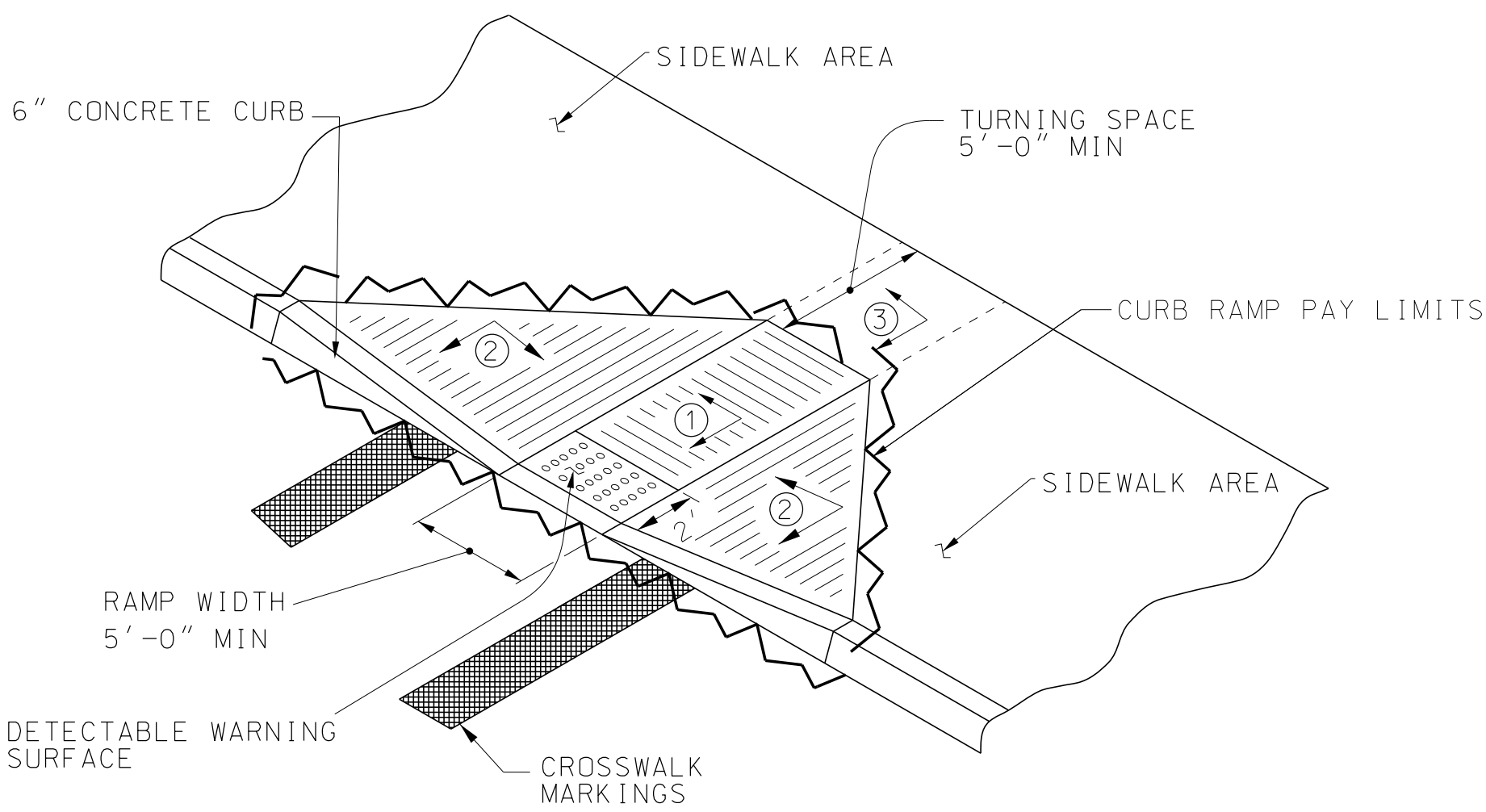


TYPE 3A: PERPENDICULAR CORNER

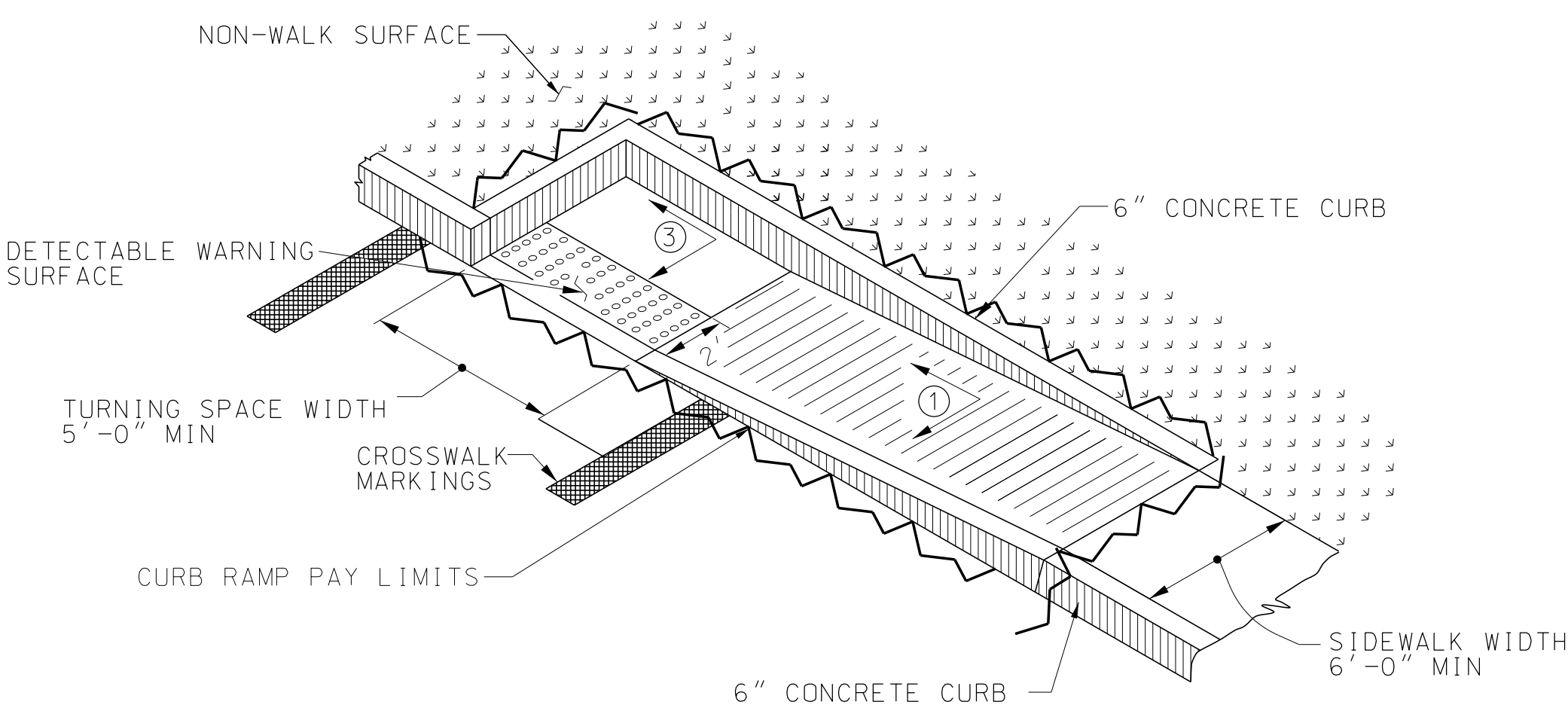
•SEE SHEET 1 OF 4 FOR DETAIL CALL OUTS ①, ②, ③.
•SEE SHEET 1 OF 4 FOR GENERAL NOTES FOR CURB RAMPS AND SIDEWALKS.

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION		
THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED, OR USED BY ANYONE, OR ANY ORGANIZATION, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ALABAMA DEPARTMENT OF TRANSPORTATION REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. ANYONE MAKING UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.		
<div>REVISIONS</div> <div>1. CHANGED CALL OUT 4 TO 3, REVISED SIDEWALK WIDTH TO 25' MIN AND 6' MIN ALONG CURB OR 10' MIN TO 8' MIN.</div> <div>2. IDENTIFIED CURB RAMP PAY LIMITS, CHANGED CURBS TO 6" REMAINED LANDINGS AS TURNING SPACES AND MODIFIED TYPE 1A AND TYPE 2 DRAWINGS ON 6-23-2019 BY DJW.</div> <div>3. ADDED TYPE 1B CURB RAMP ON 5-23-2020 BY DJW.</div>		
<div>ALABAMA DEPARTMENT OF TRANSPORTATION</div> <div>1409 COLISEUM BOULEVARD</div> <div>MONTGOMERY, AL 36130-3050</div>		
DESIGN BUREAU SPECIAL DRAWING		
CORNER CURB RAMPS		
Bureau Std Engr: _____ DJW	SPECIAL DRAWING NO.	
DRAWN BY: _____ DATE DRAWN: _____	SW-618 (SHEET 2 OF 4)	
		INDEX NO. 61802

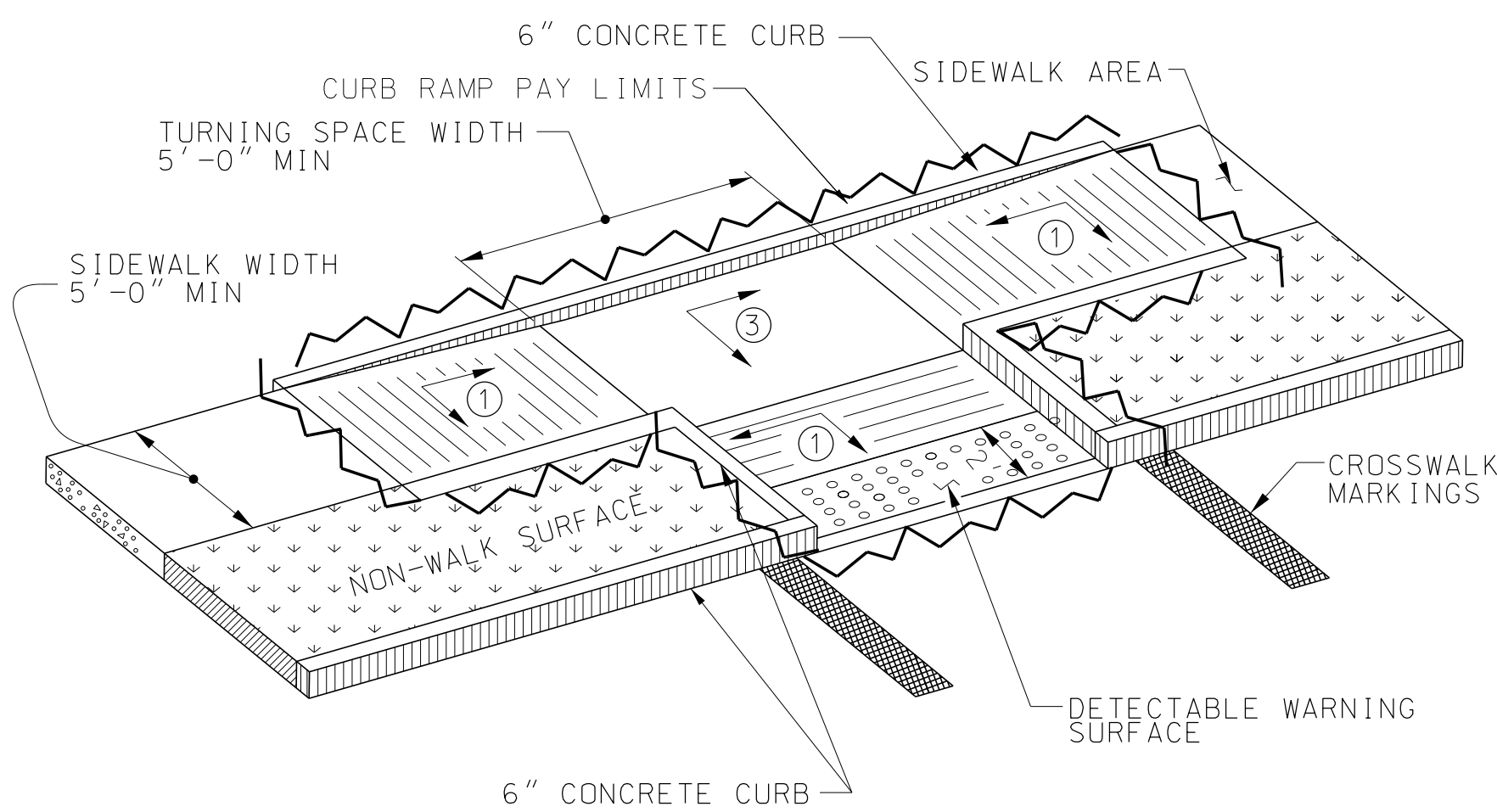
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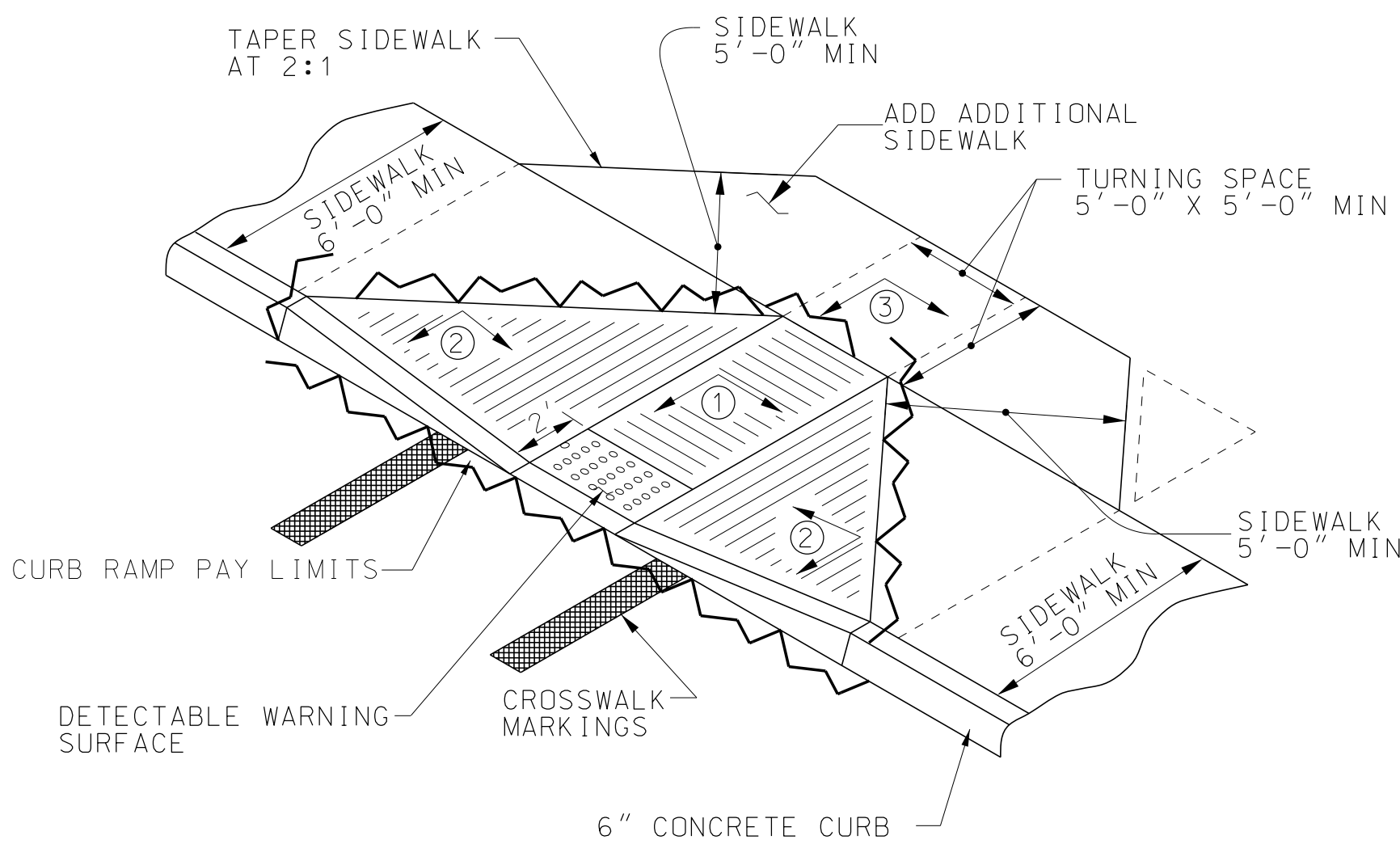
TYPE 1: PERPENDICULAR MIDBLOCK



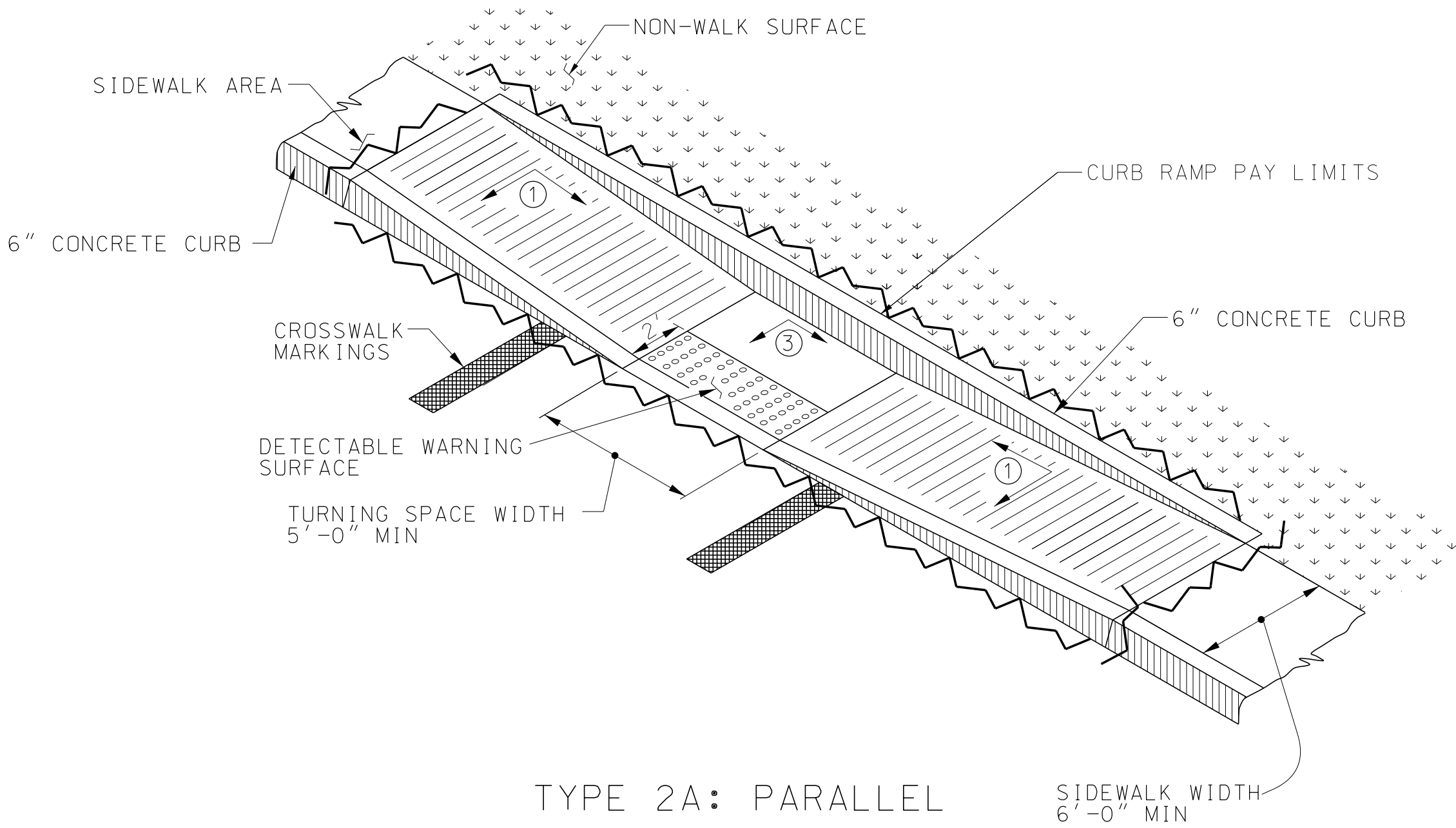
TYPE 2: PARALLEL MIDBLOCK



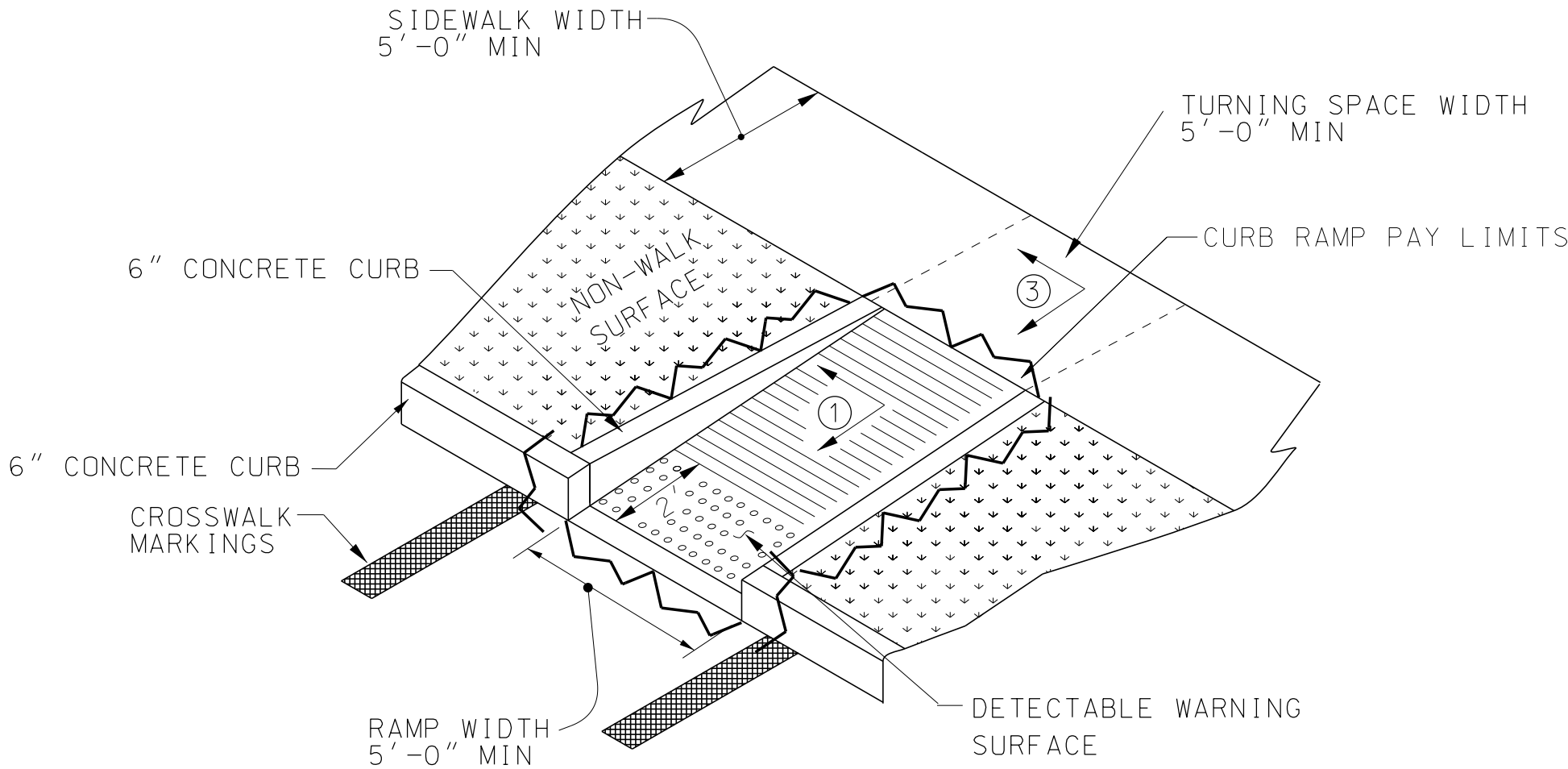
TYPE 3: COMBINATION MIDBLOCK



TYPE 1A: PERPENDICULAR MIDBLOCK



TYPE 2A: PARALLEL MIDBLOCK



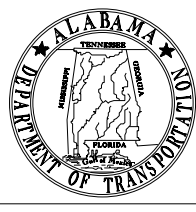
TYPE 4: PERPENDICULAR MIDBLOCK

•SEE SHEET 1 OF 4 FOR DETAIL CALL OUTS ①, ②, ③.
•SEE SHEET 1 OF 4 FOR GENERAL NOTES FOR CURB RAMP AND SIDEWALKS.

--SPECIFICATIONS--
CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION

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10/25/18 08/22/19 06/10/20	REVISED SIDEWALK WIDTH TO 5' MIN AND 6' MIN ALONG CURB. IDENTIFIED CURB RAMP PAY LIMITS AND CLEANED UP WISE CALLOUTS AND LABELS BY DJW. ADJUSTED SPACING OF CROSSWALK MARKINGS BY DJW.	S.I.D.
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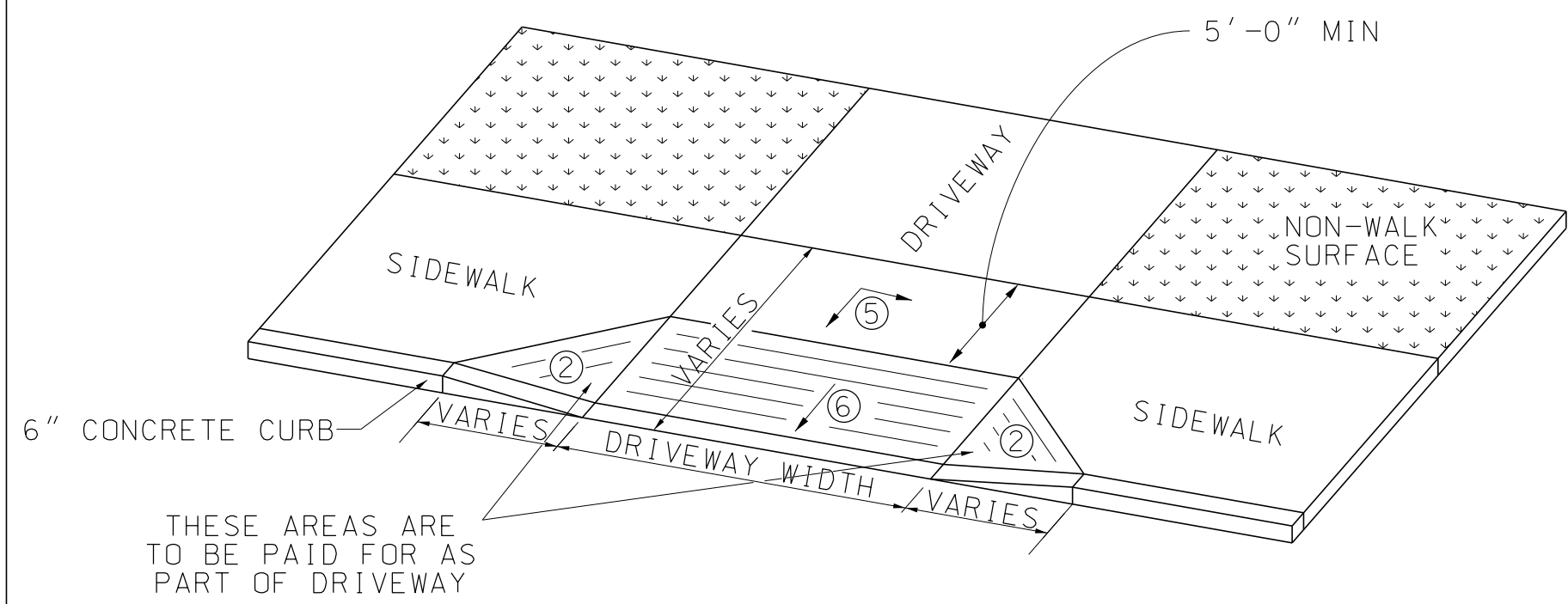
ALABAMA DEPARTMENT OF TRANSPORTATION
1409 COLISEUM BOULEVARD
MONTGOMERY, AL 36130-3050

DESIGN BUREAU SPECIAL DRAWING

MIDBLOCK CURB RAMP

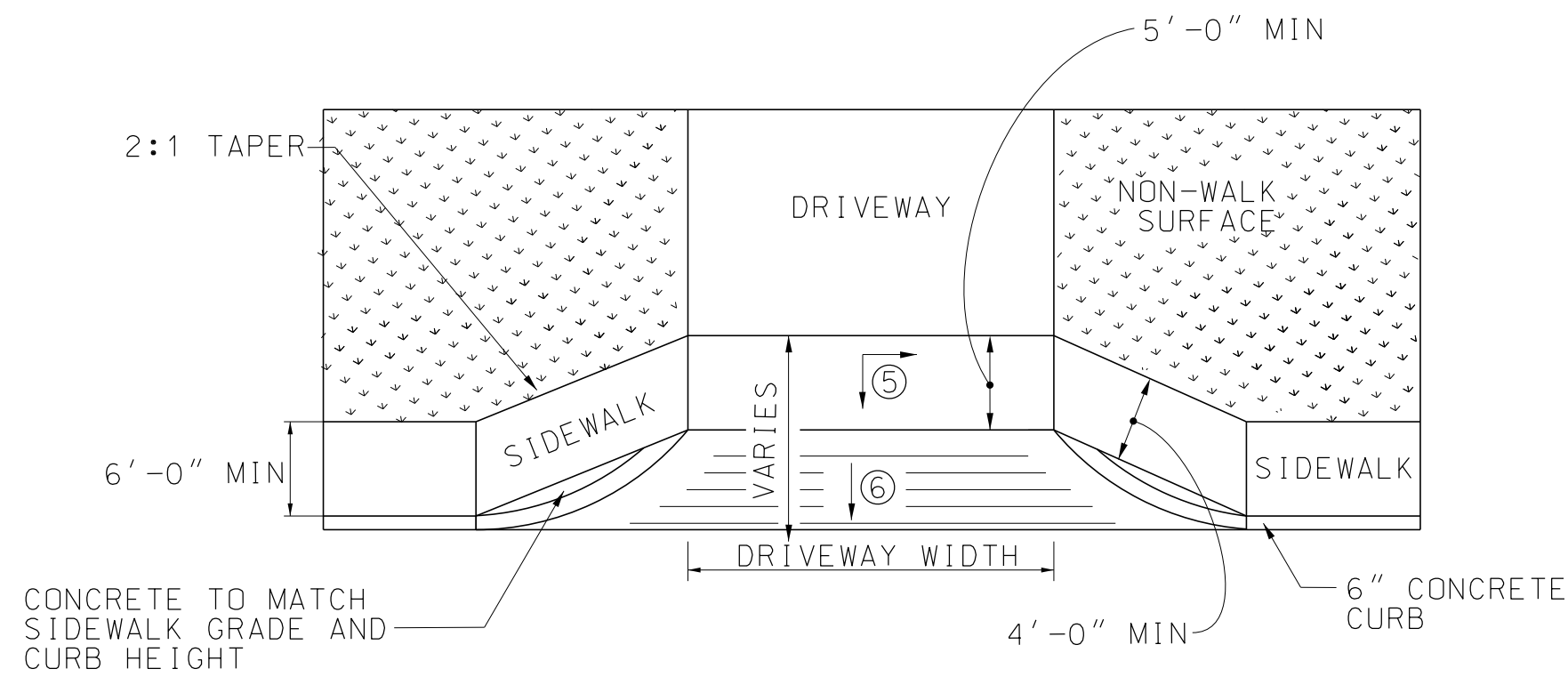
SPECIAL DRAWING NO.
SW-618 (SHEET 3 OF 4)

INDEX NO.
61803



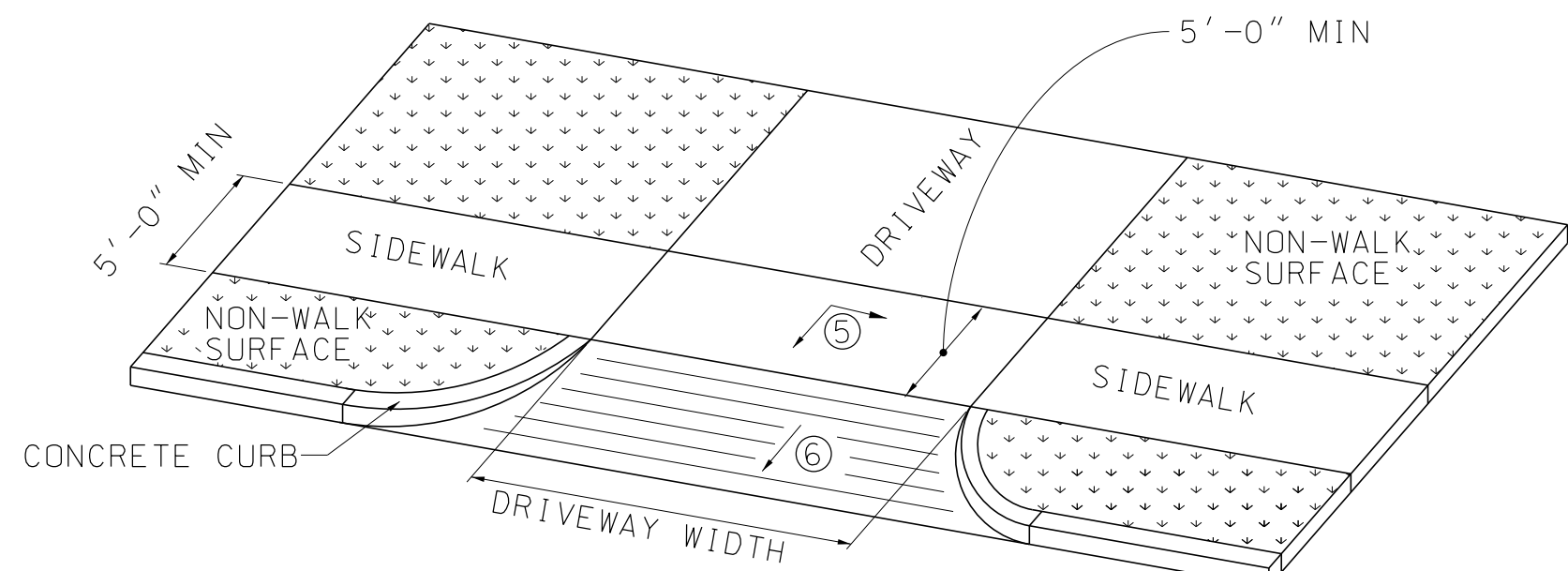
TYPE 1: DRIVEWAY CROSSING

(NOTE: DRIVEWAY AND SIDEWALK SURFACES AT SAME ELEVATION)



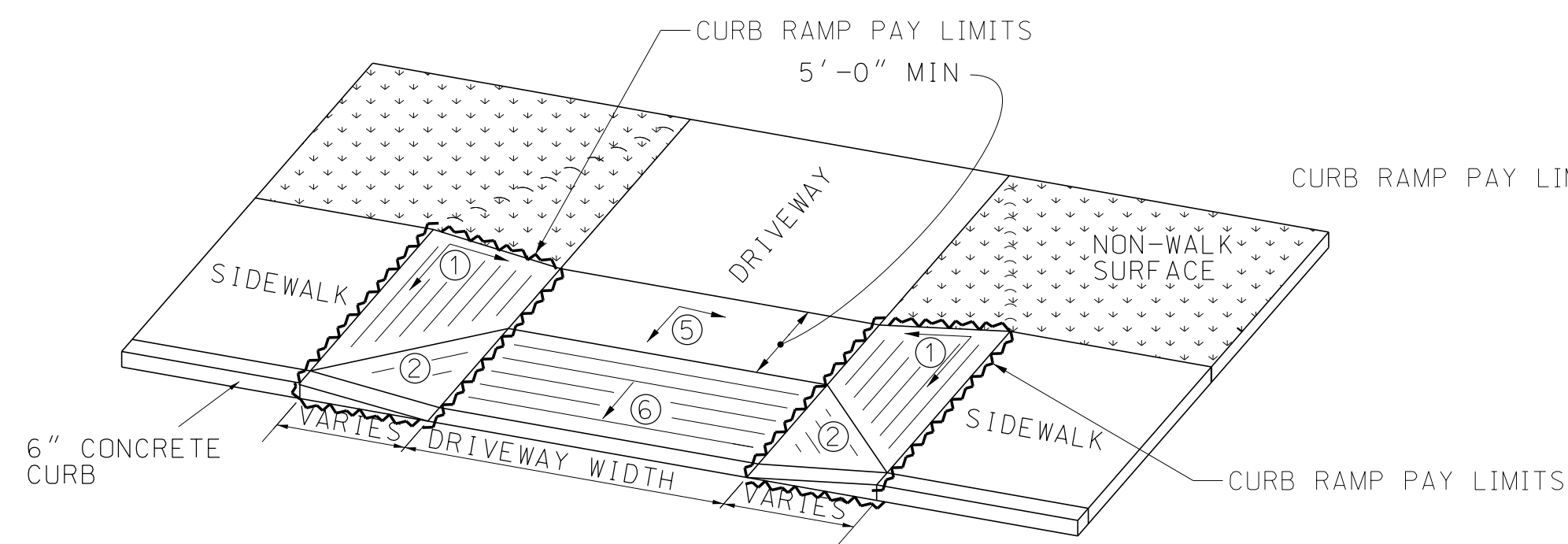
TYPE 4: DRIVEWAY CROSSING

(NOTE: DRIVEWAY AND SIDEWALK SURFACES AT SAME ELEVATION)



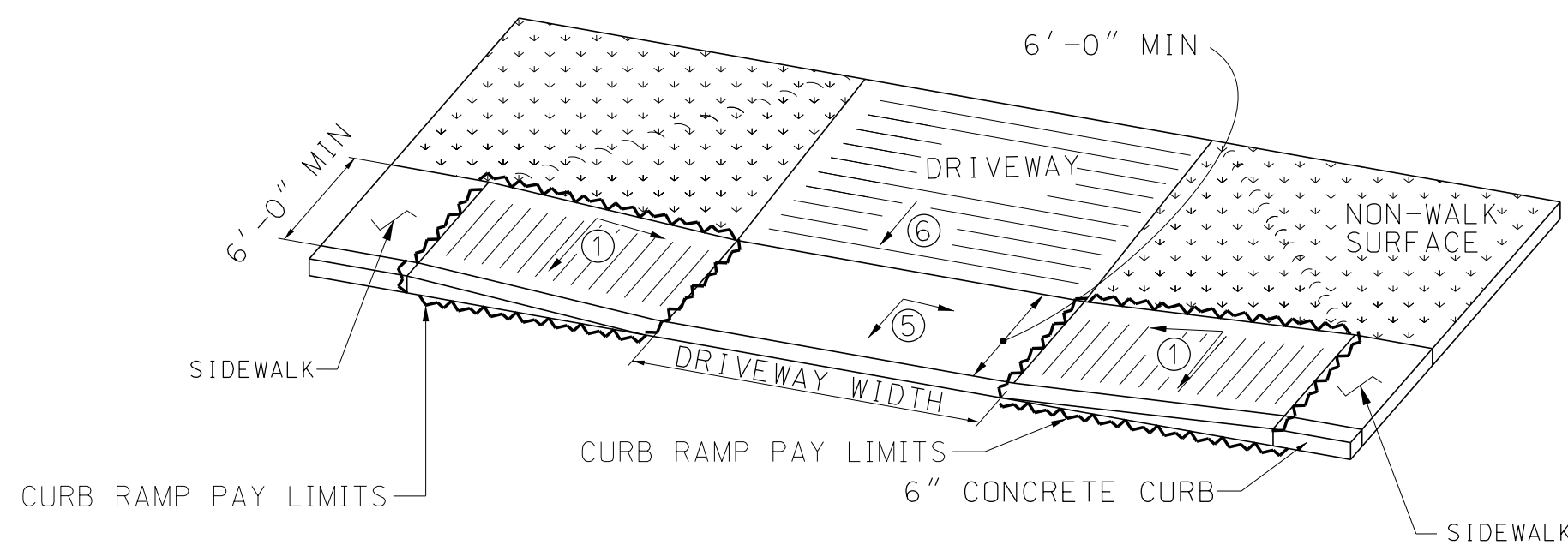
TYPE 2: DRIVEWAY CROSSING

(NOTE: DRIVEWAY AND SIDEWALK SURFACES AT SAME ELEVATION)



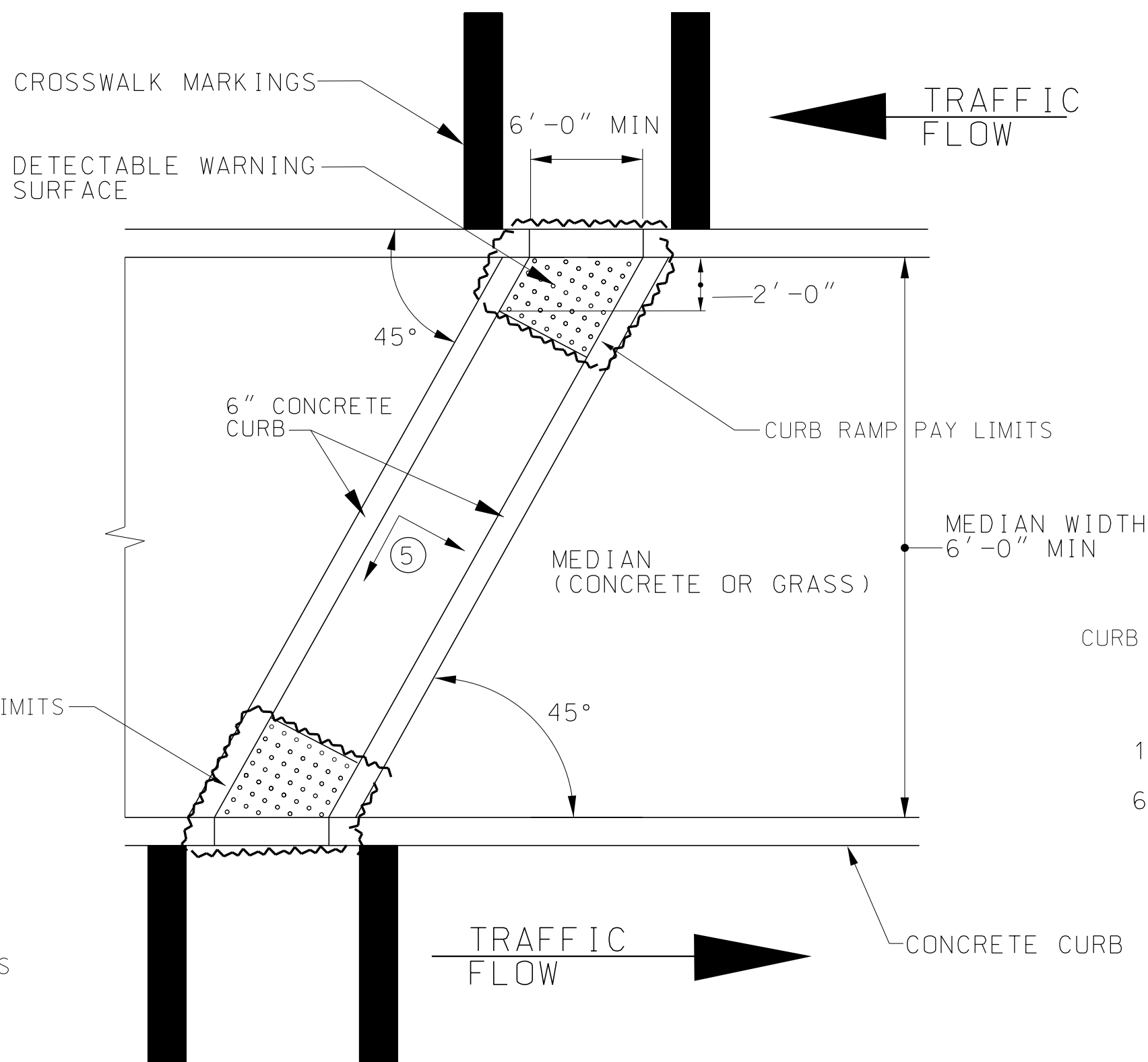
TYPE 3: DRIVEWAY CROSSING

(NOTE: DRIVEWAY SURFACE AT LOWER ELEVATION THAN SIDEWALK SURFACE)



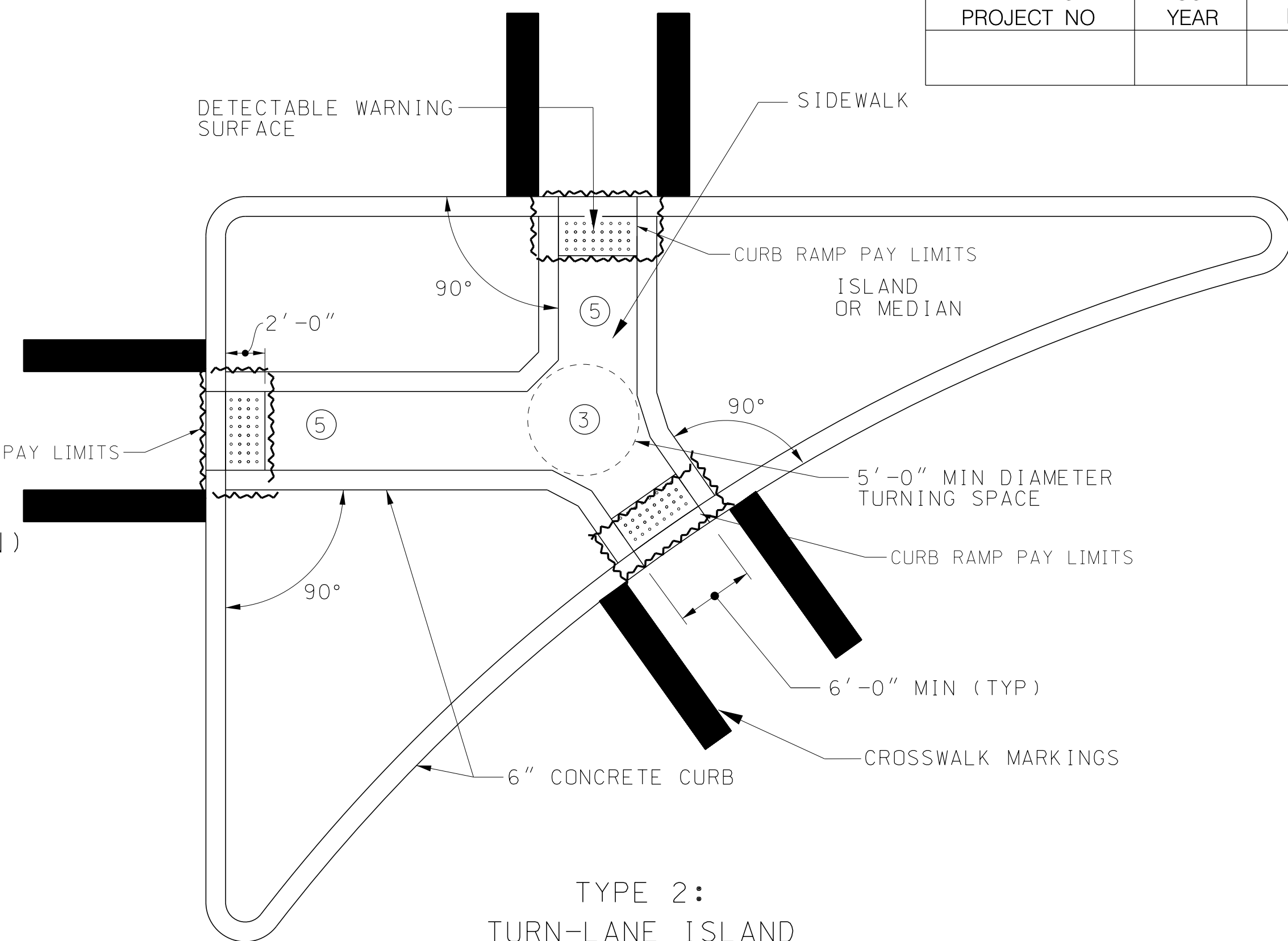
TYPE 3A: DRIVEWAY CROSSING

(NOTE: DRIVEWAY SURFACE AT LOWER ELEVATION THAN SIDEWALK SURFACE)

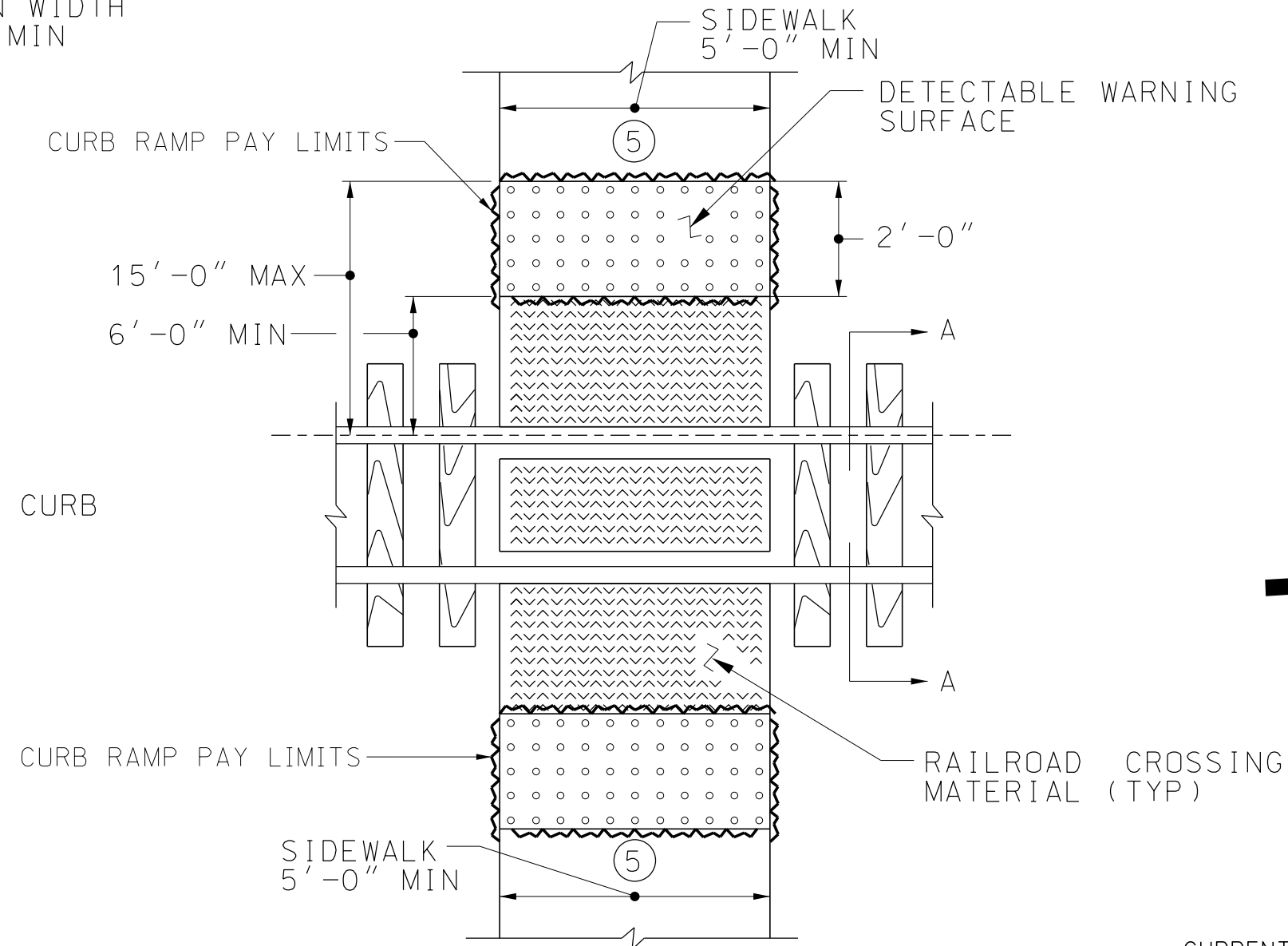


TYPE 1:
MEDIAN OR ISLAND
CUT-THROUGH OPENING

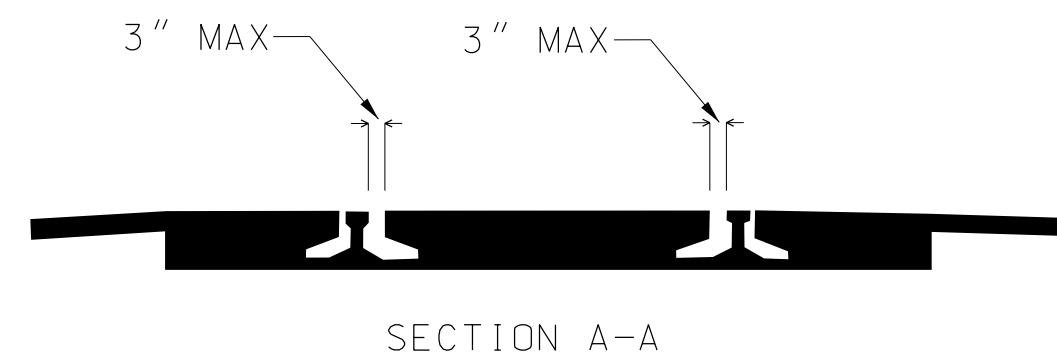
•SEE SHEET 1 OF 4 FOR DETAIL CALL OUTS ①, ②, ③, ⑤, ⑥.
•SEE SHEET 1 OF 4 FOR GENERAL NOTES FOR CURB RAMPS
AND SIDEWALKS.



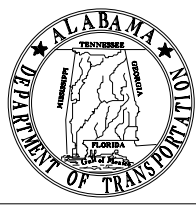
TYPE 2:
TURN-LANE ISLAND
CUT-THROUGH OPENING



TYPE 3:
RAILROAD CROSSING



SECTION A-A

--SPECIFICATIONS-- CURRENT ALABAMA DEPARTMENT OF TRANSPORTATION		
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REVISIONS 10/25/18 REVISED SIDEWALK WIDTH TO 5'-0" MIN. MINIMUM CURB TO SHOW 45 DEGREE ANGLE. 06/21/19 IDENTIFIED CURB RAMP PAY LIMITS 08/29/19 CLEANUP OF MISC CALLOUTS G.L.D.	 ALABAMA DEPARTMENT OF TRANSPORTATION 1409 COLISEUM BOULEVARD MONTGOMERY, AL 36130-3050	DESIGN BUREAU SPECIAL DRAWING SIDEWALKS & CURB RAMPS AT DRIVEWAYS, RAILROAD, MEDIAN, & ISLAND CROSSINGS
Bureau Std Engr: <u>DJW</u> DRAWN BY: <u>DATE DRAWN:</u>	SPECIAL DRAWING NO. SW-618 (SHEET 4 OF 4)	INDEX NO. 61804

NOT TO SCALE