

CURB HEIGHT	CURB RAMP MINIMUM LENGTH	<i>D (min)</i>	
		$S_G \leq 1\%$	$S_G \leq 2\%$
4"	5'	4.0'	4.5'
6"	7½'	6.0'	6.5'
7"	9'	6.5'	7.5'

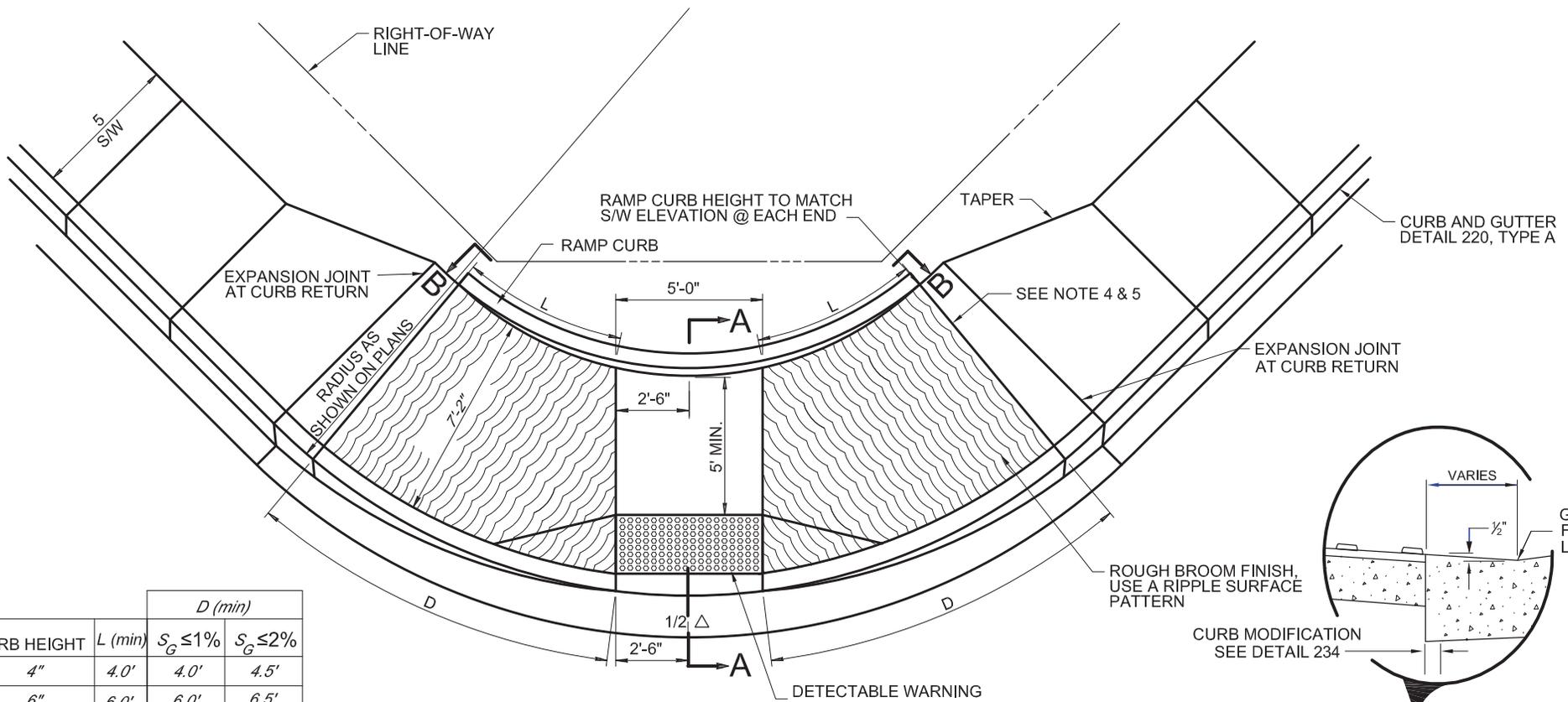
$S_G$  = MAXIMUM GUTTER SLOPE WITHIN RAMP LIMITS

**NOTES:**

1. CLASS 'B' CONCRETE PER SECTION 725.
2. EXPANSION JOINTS SHALL CONFORM TO SECTION 340.
3. SIDEWALK SURFACE TO MATCH  
1½% SLOPE FROM TOP OF CURB
4. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.
5. DETAIL IS ADA COMPLIANT FOR  $S_G \leq 2\%$ .

**TYPE 'A' (DETACHED SIDEWALK)**

**SECTION A-A**

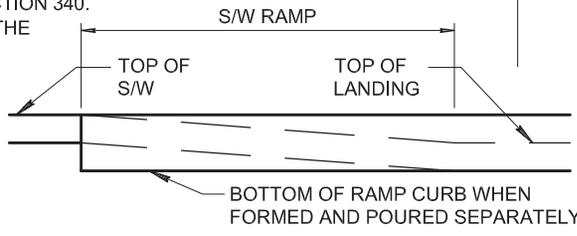
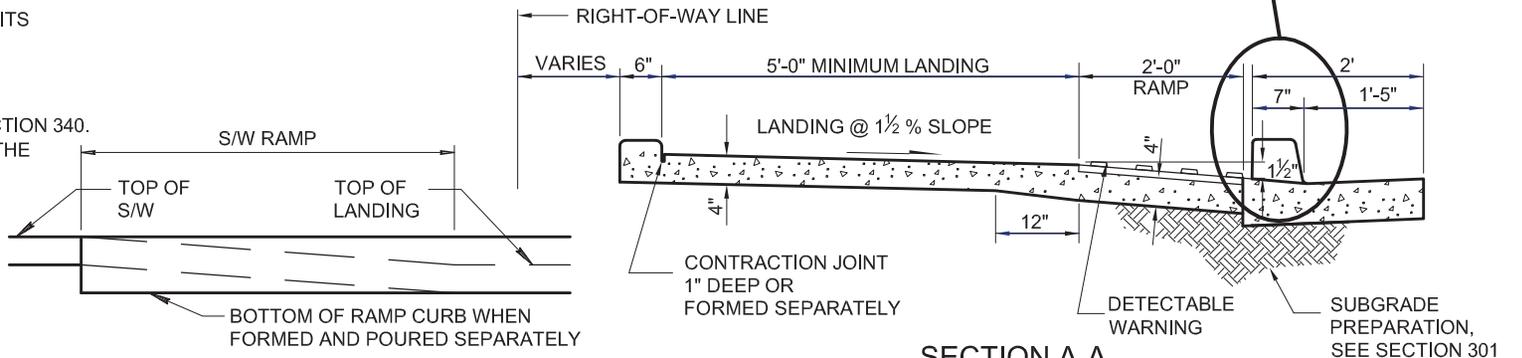
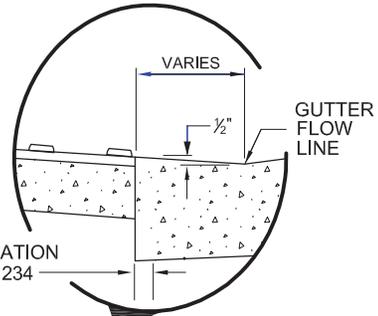


CURB HEIGHT	L (min)	D (min)	
		$S_G \leq 1\%$	$S_G \leq 2\%$
4"	4.0'	4.0'	4.5'
6"	6.0'	6.0'	6.5'
7"	7.0'	6.5'	7.5'

$S_G$  = MAXIMUM GUTTER SLOPE WITHIN RAMP LIMITS

**NOTES:**

1. CLASS 'B' CONCRETE PER SECTION 725.
2. EXPANSION JOINTS SHALL CONFORM TO SECTION 340.
3. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.
4. INCREASE 'L' OR 'D' AS NEEDED TO HAVE THE TOP OF RAMP FORM A RADIAL LINE.
5. WHEN TOP OF RAMP IS LESS THAN 4' FROM CURB RETURN, EXTEND RAMP TO THE CURB RETURN.
6. DETAIL IS ADA COMPLIANT FOR  $S_G \leq 2\%$ .



**SECTION B-B**

**TYPE 'B'**

**SECTION A-A**

DETAIL NO.  
**235-2**



STANDARD DETAIL  
**ENGLISH**

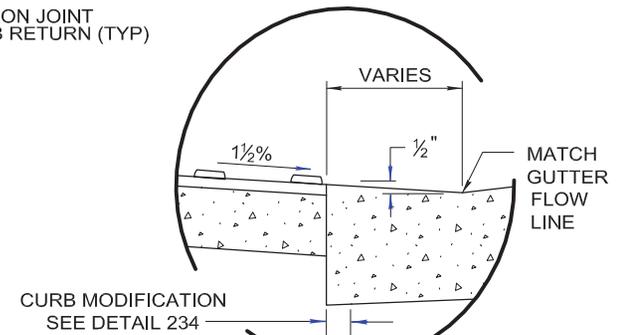
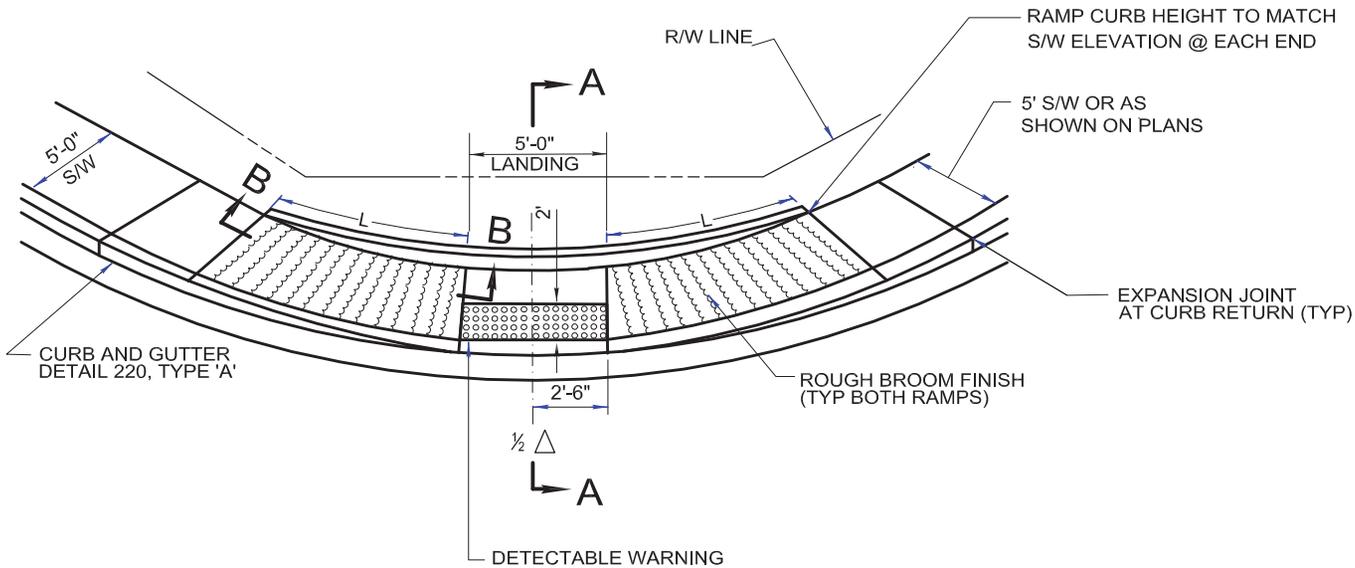
**CURB RAMPS**

REVISED  
01-01-2012

DETAIL NO.  
**235-2**

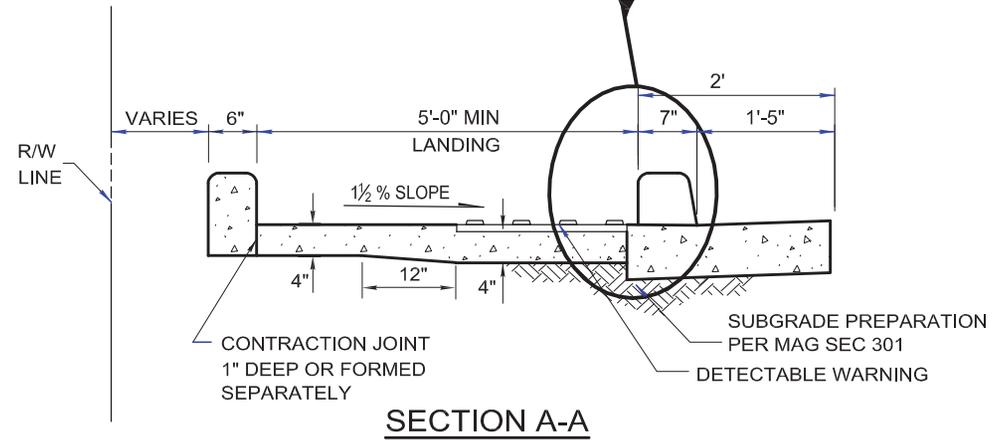
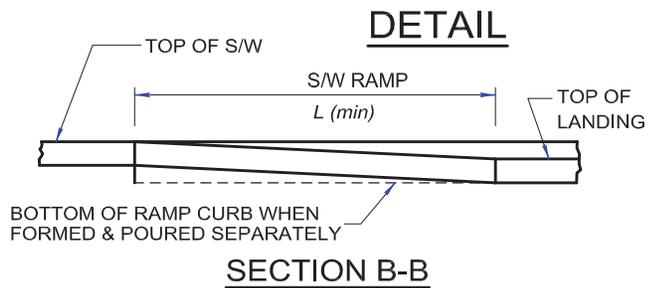
**NOTES:**

1. CLASS 'B' CONCRETE CONSTRUCTION PER SECTION 725.
2. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENT.
3. RAMP LONGITUDINAL SLOPE SHALL BE 12:1 OR FLATTER.
4. RAMP CROSS SLOPE SHALL BE 1½%.
5. DETAIL IS ADA COMPLIANT FOR CURB RADII ≥ 20' AND GUTTER SLOPE ≤ 2.0%.

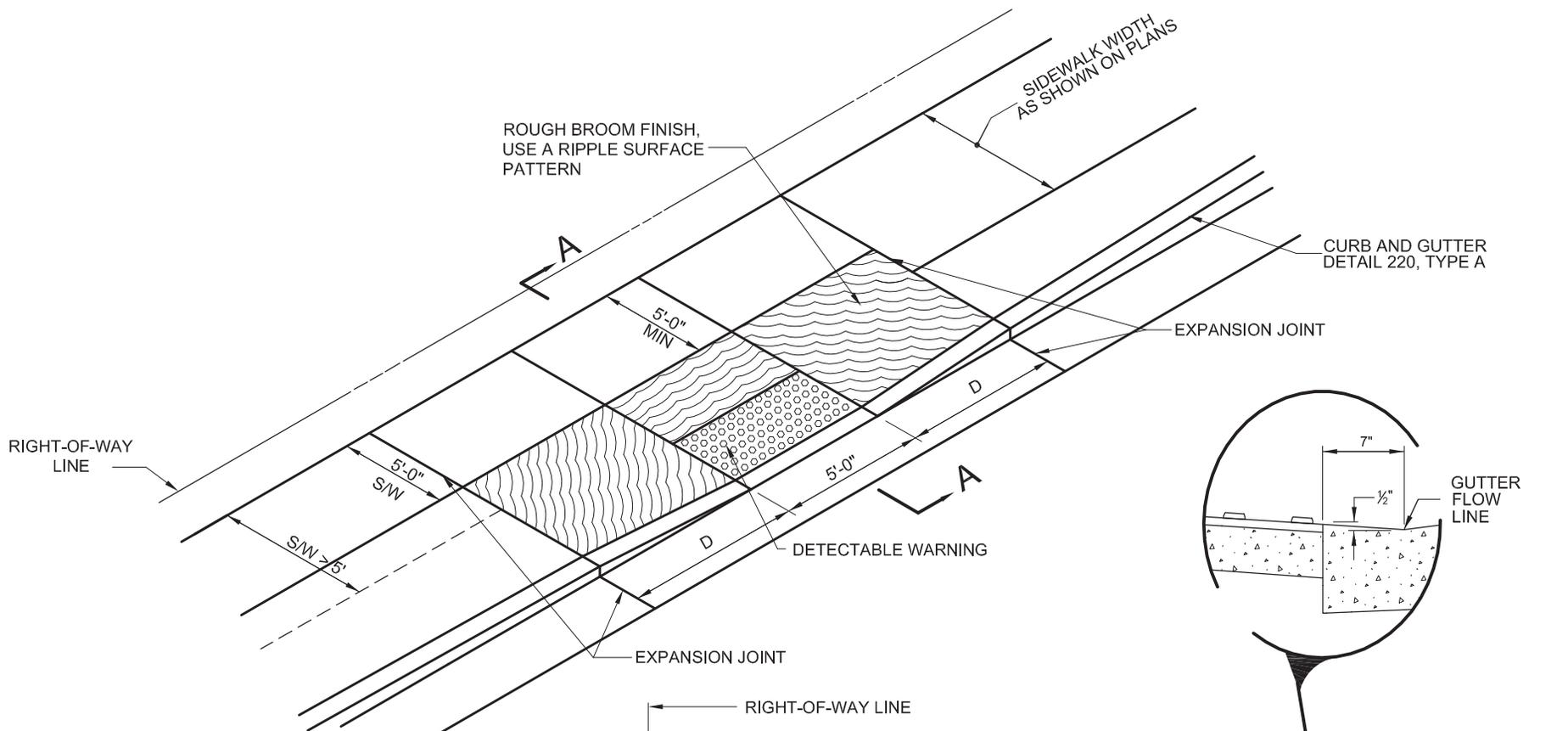


CURB HEIGHT	L (min)	
	$S_G \leq 1\%$	$S_G \leq 2\%$
4"	5.0'	6.0'
6"	7.0'	8.5'

$S_G$  = MAXIMUM GUTTER SLOPE WITHIN RAMP LIMITS



**TYPE 'C'**

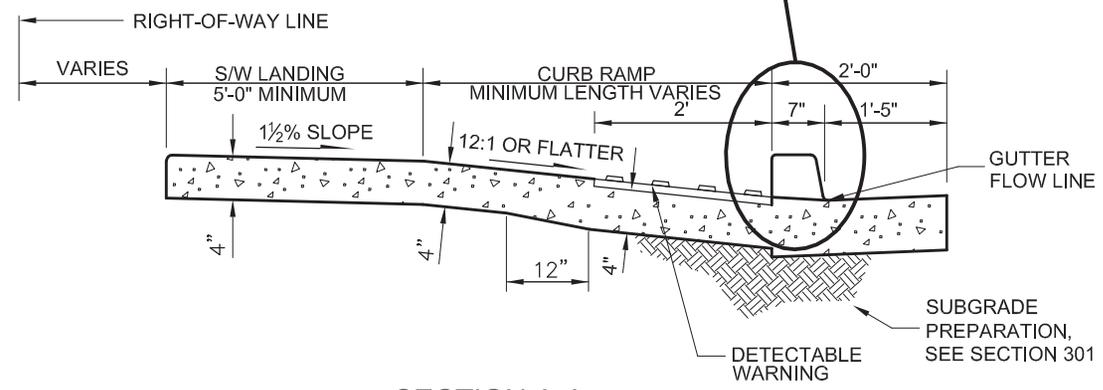


CURB HEIGHT	CURB RAMP MINIMUM LENGTH	D (min)	
		$S_G \leq 1\%$	$S_G \leq 2\%$
4"	5'	4.0'	4.5'
6"	7 1/2'	6.0'	6.5'
7"	9'	6.5'	7.5'

$S_G$  = MAXIMUM GUTTER SLOPE WITHIN RAMP LIMITS

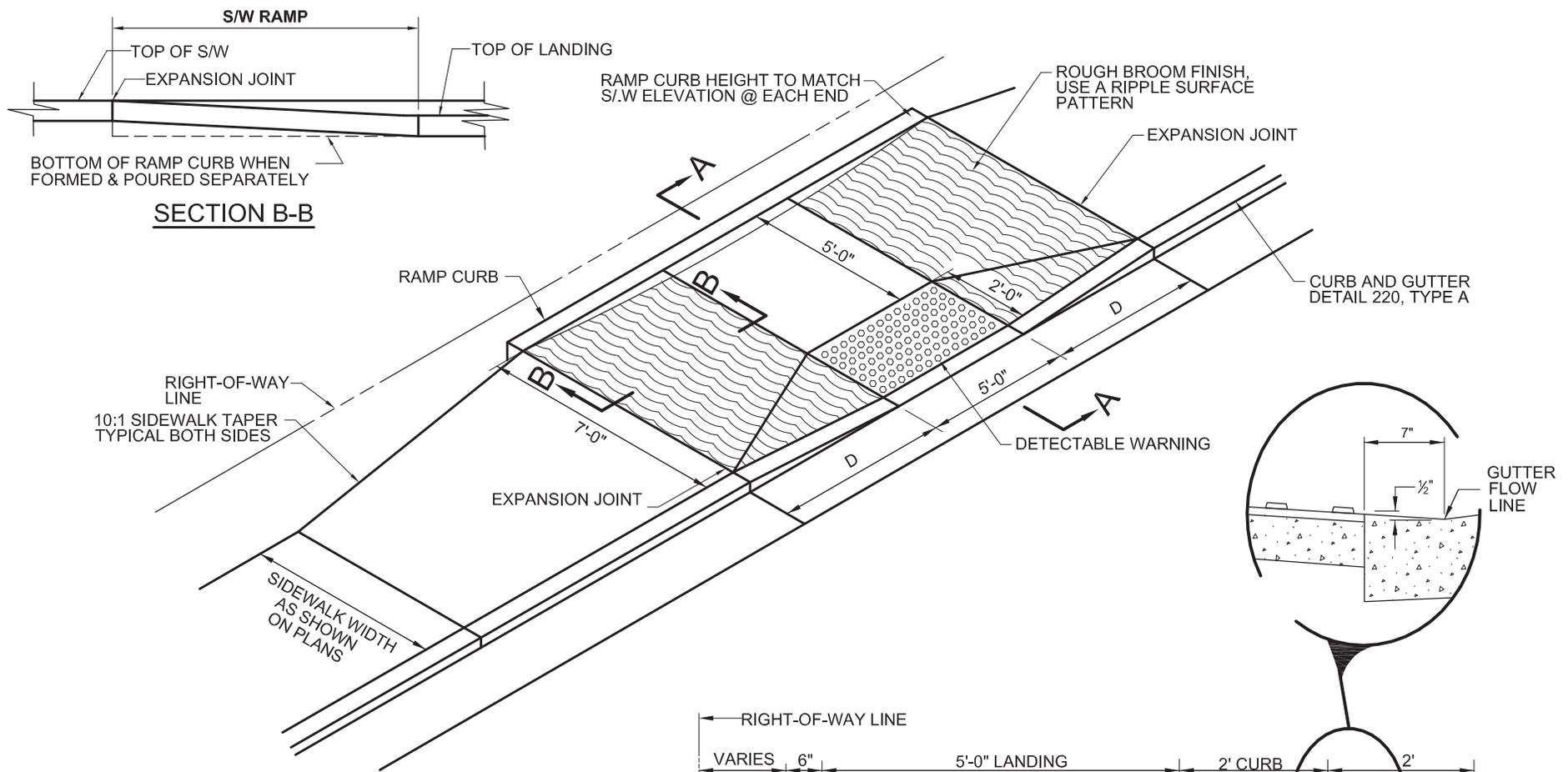
**NOTES:**

1. CLASS 'B' CONCRETE PER SECTION 725.
2. EXPANSION JOINTS SHALL CONFORM TO SECTION 340.
3. SIDEWALK SURFACE TO MATCH 1 1/2 % SLOPE FROM TOP OF CURB.
4. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.
5. DETAIL IS ADA COMPLIANT FOR  $S_G \leq 2\%$ .

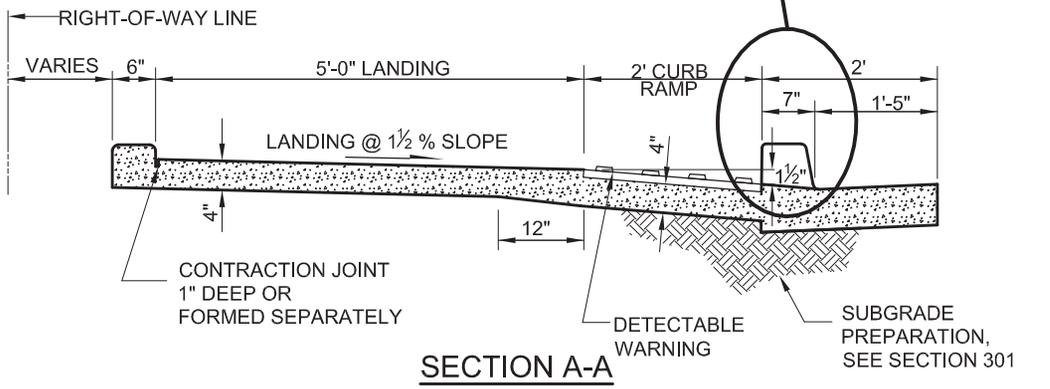


**SECTION A-A**

**TYPE 'D' DETACHED SIDEWALK**



**SECTION B-B**



**SECTION A-A**

**TYPE 'E'**

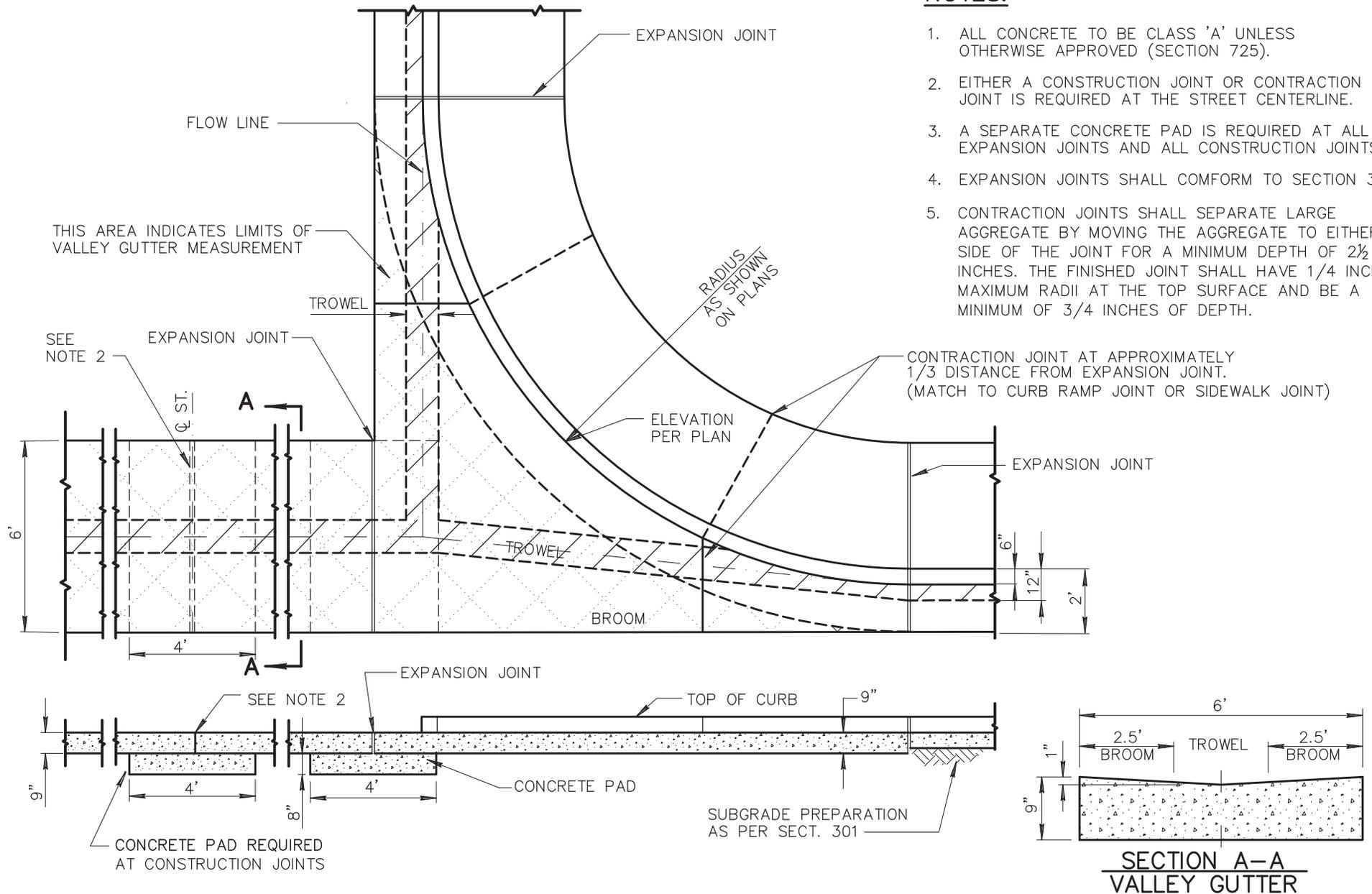
CURB HEIGHT	D (min)	
	$S_G \leq 1\%$	$S_G \leq 2\%$
4"	4.0'	4.5'
6"	6.0'	6.5'
7"	6.5'	7.5'

$S_G$  = MAXIMUM GUTTER SLOPE WITHIN RAMP LIMITS

- NOTES:**
1. CLASS 'B' CONCRETE PER SECTION 725.
  2. EXPANSION JOINTS SHALL CONFORM TO SECTION 340.
  3. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.
  4. DETAIL IS ADA COMPLIANT FOR  $S_G \leq 2\%$ .

**NOTES:**

1. ALL CONCRETE TO BE CLASS 'A' UNLESS OTHERWISE APPROVED (SECTION 725).
2. EITHER A CONSTRUCTION JOINT OR CONTRACTION JOINT IS REQUIRED AT THE STREET CENTERLINE.
3. A SEPARATE CONCRETE PAD IS REQUIRED AT ALL EXPANSION JOINTS AND ALL CONSTRUCTION JOINTS.
4. EXPANSION JOINTS SHALL COMFORM TO SECTION 340.
5. CONTRACTION JOINTS SHALL SEPARATE LARGE AGGREGATE BY MOVING THE AGGREGATE TO EITHER SIDE OF THE JOINT FOR A MINIMUM DEPTH OF 2½ INCHES. THE FINISHED JOINT SHALL HAVE 1/4 INCH MAXIMUM RADII AT THE TOP SURFACE AND BE A MINIMUM OF 3/4 INCHES OF DEPTH.



DETAIL NO.

**240**



STANDARD DETAIL  
ENGLISH

**VALLEY GUTTER**

REVISED

01-01-2010

DETAIL NO.

**240**