

### DRAWING INDEX

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N.T.S.

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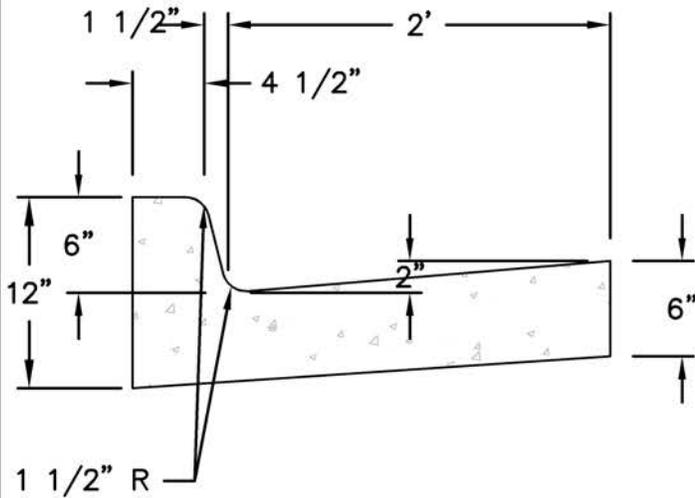
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**SHEET INDEX 400**

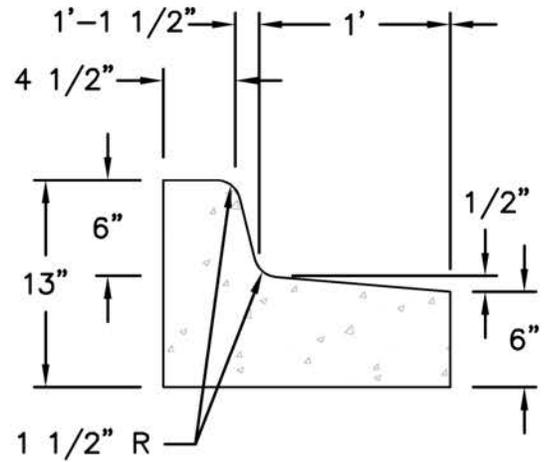


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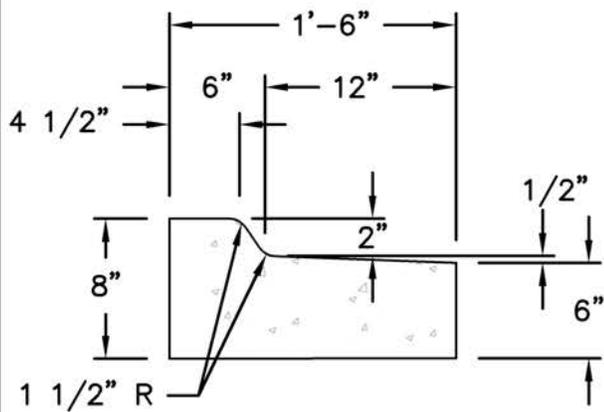
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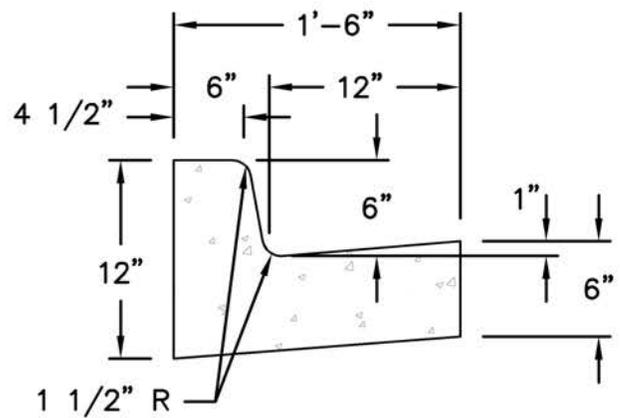
**6" VERTICAL CURB & GUTTER**



**MEDIAN CURB & GUTTER (SPILL)**



**ROUNDBABOUT APRON CURB & GUTTER**



**MEDIAN CURB & GUTTER (CATCH)**

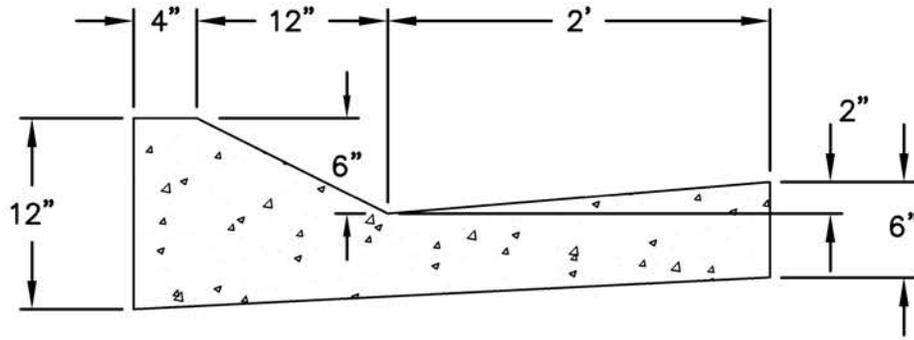
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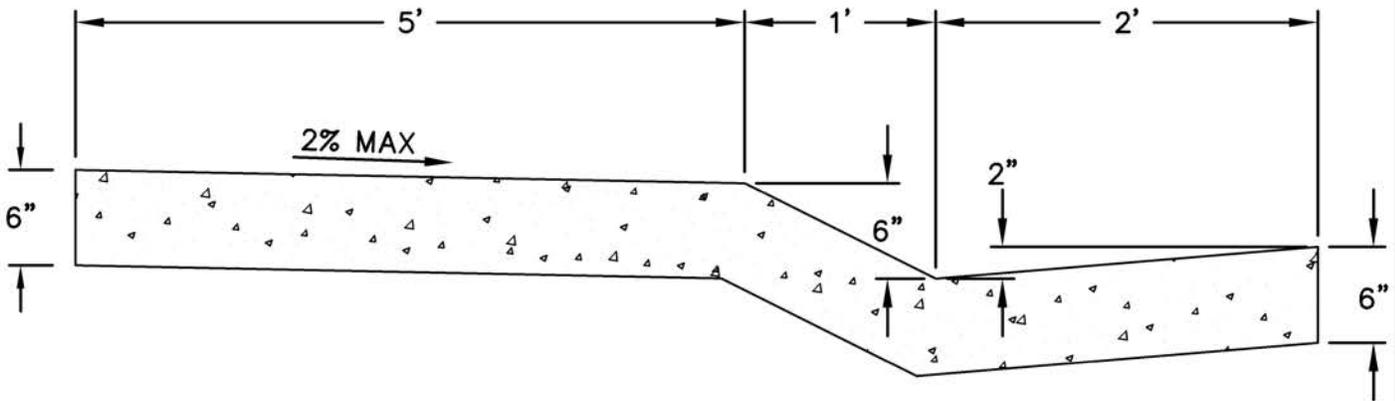
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VERTICAL CURB AND GUTTER**



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**MOUNTABLE CURB & GUTTER**



**CURBWALK**

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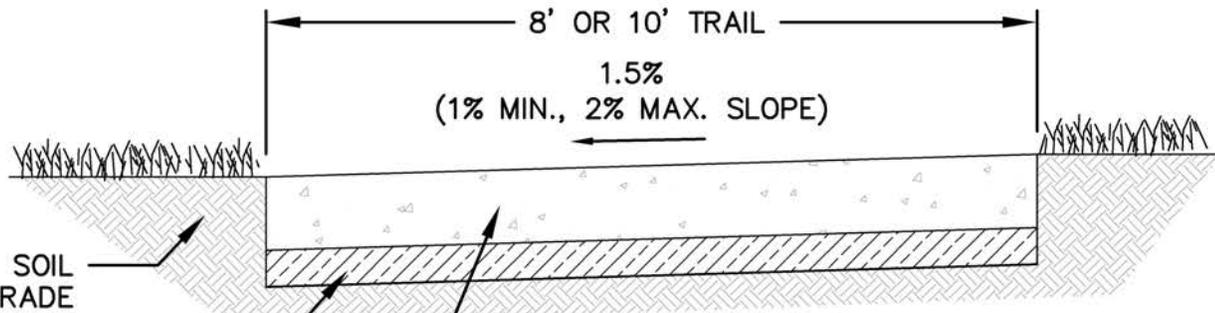
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**MOUNTABLE CURB AND GUTTER**



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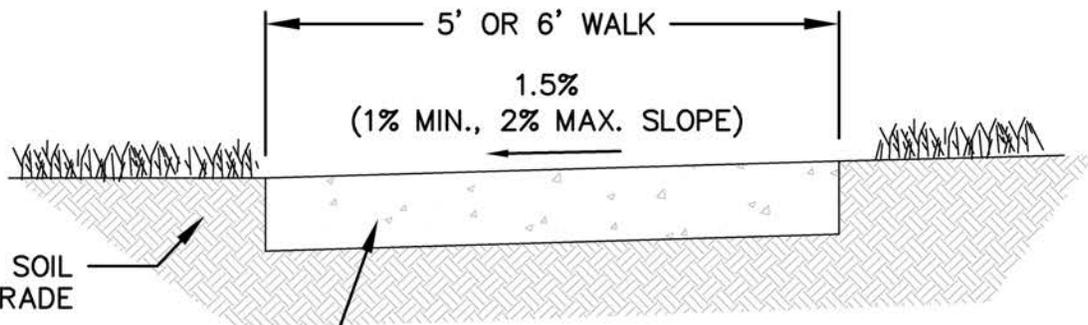


COMPACTED SOIL SUBGRADE

CLASS VI AGGREGATE BASE COURSE OR EQUAL

6" THICK CONCRETE REINFORCED WITH FIBEROUS MATERIAL

**TRAIL SECTION**



COMPACTED SOIL SUBGRADE

4" THICK CONCRETE

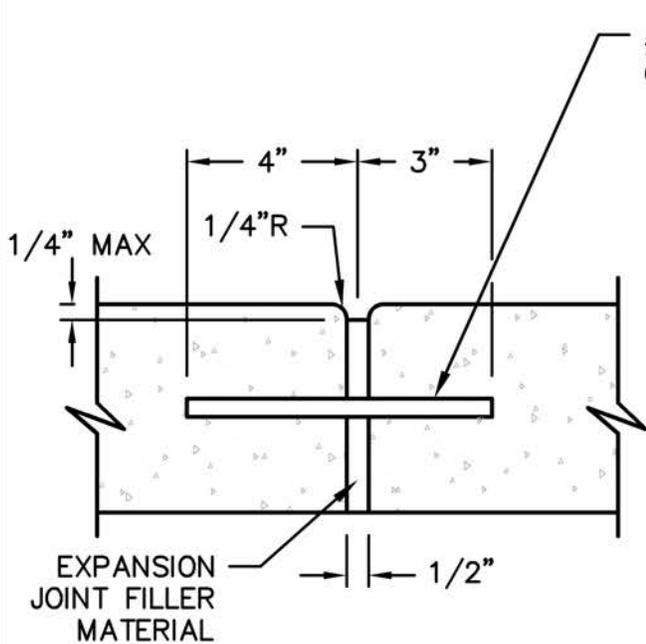
**WALK SECTION**

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DETACHED WALK AND TRAIL**

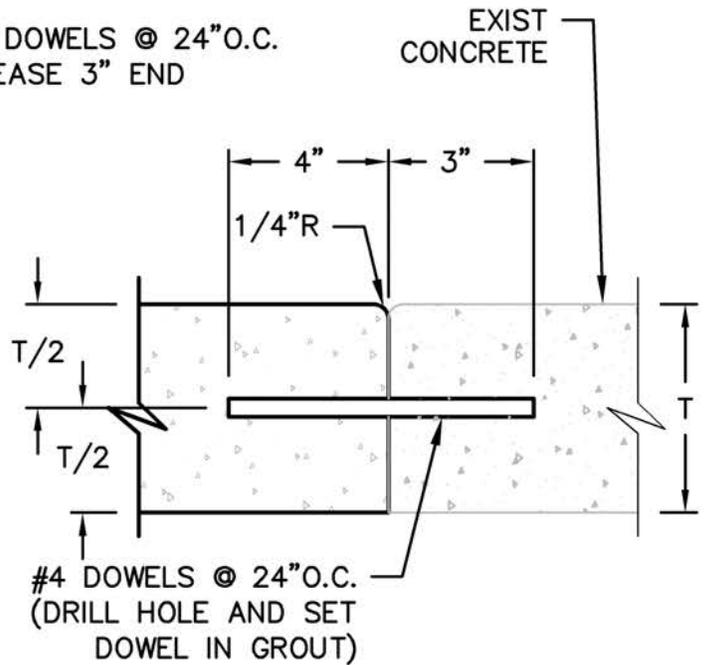


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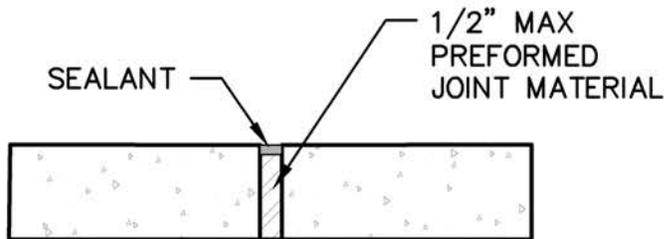
### EXPANSION JOINT

USE IN SIDEWALK CURB & GUTTER, MEDIAN CURBS, & MEDIAN FLATWORK. ALSO USE AT MAJOR CORNER RETURNS, SIDES OF RAMPS, DRIVEWAYS.

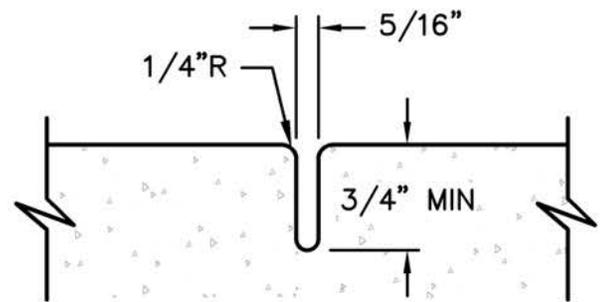


### SIDEWALK CONTACT JOINT

USE WHERE NEW CONSTRUCTION OF SIDEWALK, RAMP AND/OR CURB & GUTTER ABUTTS EXISTING IMPROVEMENTS.



### EXPANSION JOINT



NOTE: USE 1/4" RADIUS IF TEMPLATES ARE NOT USED

### CONTRACTION JOINT

#### NOTES:

1. JOINT SEALANT SHALL BE A PRODUCT ON THE CDOT APL OR AN APPROVED EQUAL.
2. EXPANSION JOINTS SHALL BE PLACED IN THE SIDEWALK AT INTERVALS OF 300 FEET.

N.T.S.

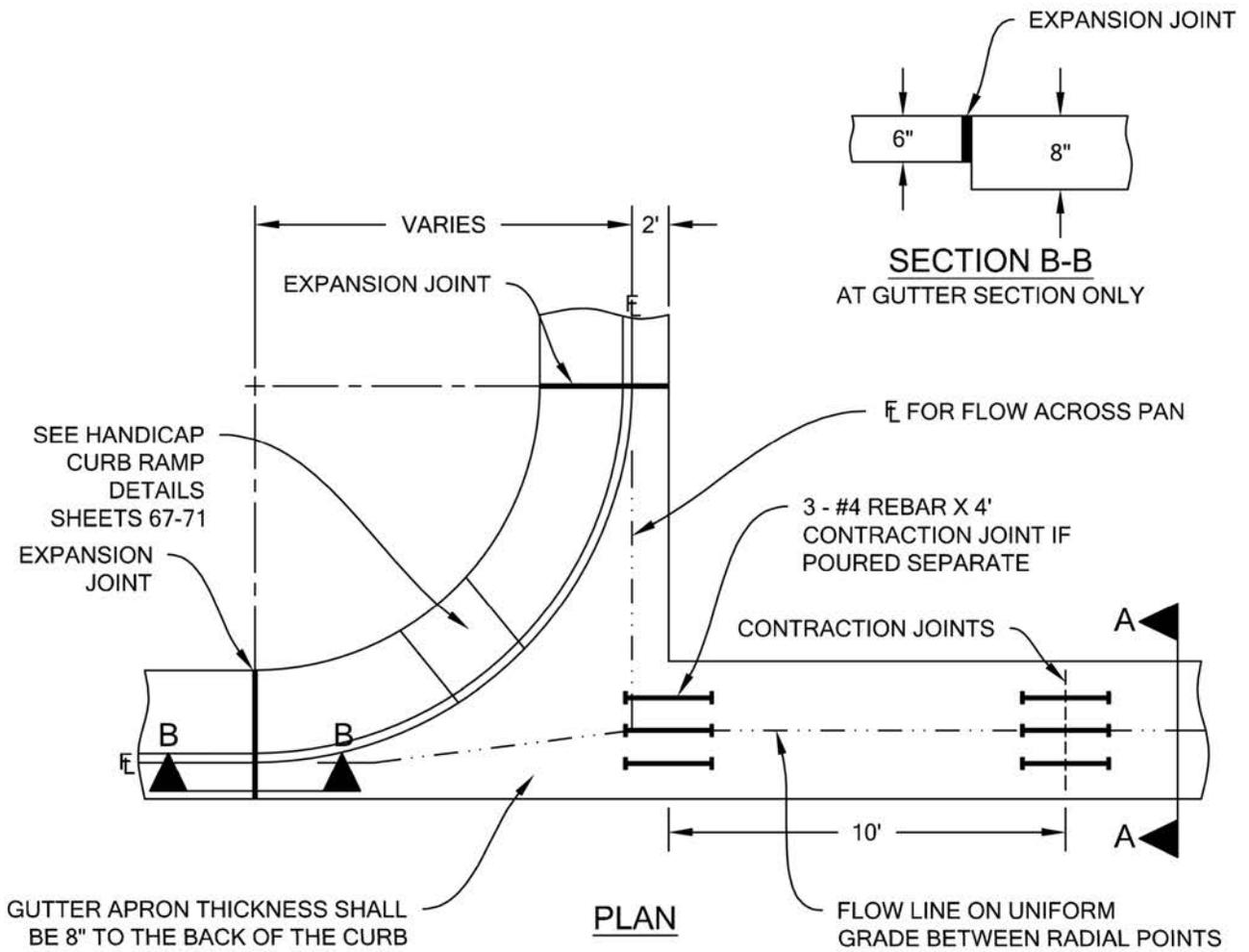
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**CONCRETE JOINTS**



Drawing Number 400-4 Sheet Number 1 OF 1



CONCRETE FOR PAN AND APRON TO BE PER CITY OF BRIGHTON STANDARDS WITH FIBER MESH REINFORCEMENT

COMPACT SUBGRADE TO 97% MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR ASTM D698

**SECTION A-A**

**NOTE:**  
 D= 2" FOR A W=8' CROSSPAN.  
 D= 1½" FOR A W=6' CROSSPAN.

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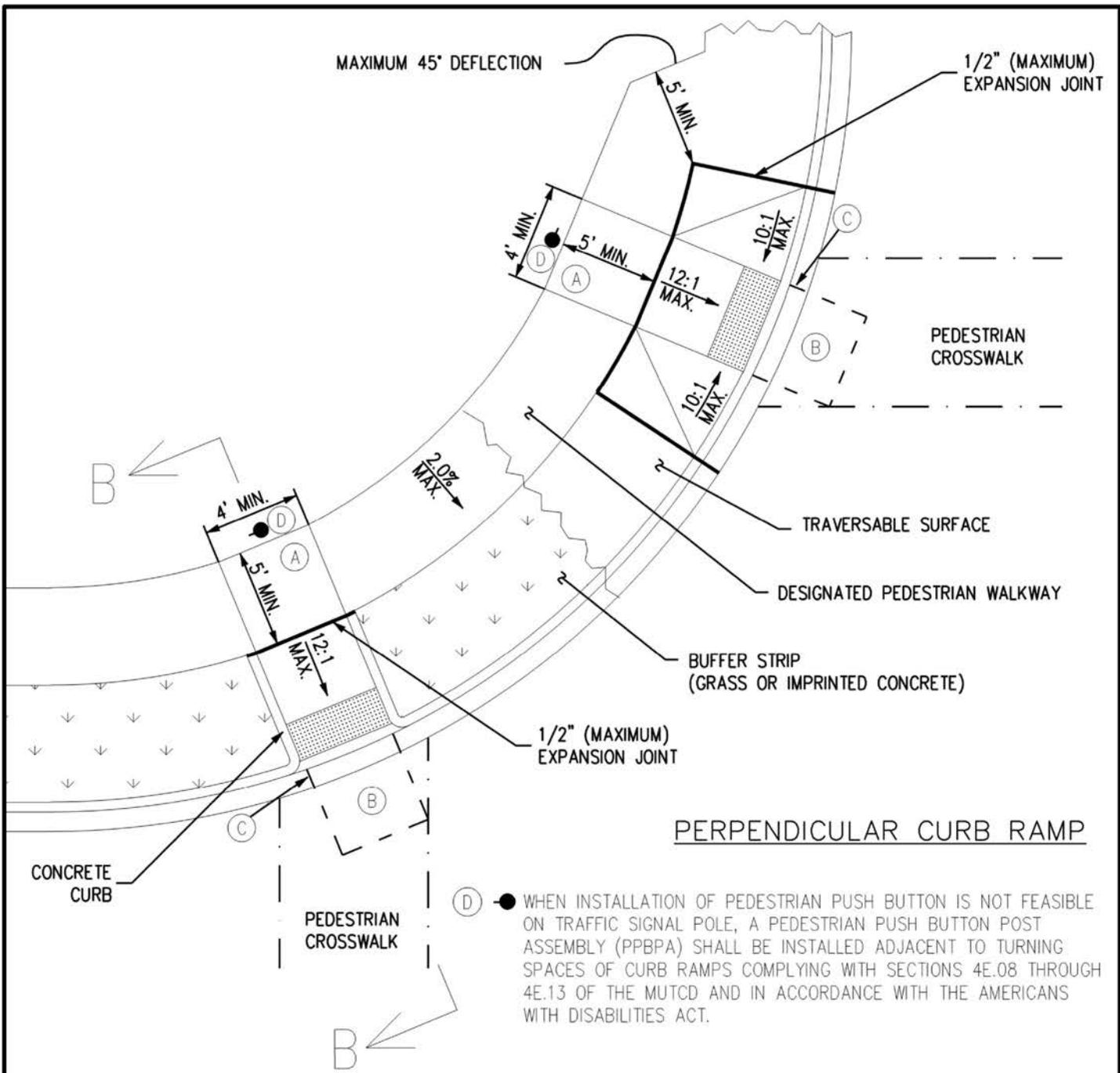
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 STANDARDS AND SPECIFICATIONS**

**CROSSPAN**



Drawing Number	400-5	Sheet Number	1 of 1
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**PERPENDICULAR CURB RAMP**

**(D)** ● WHEN INSTALLATION OF PEDESTRIAN PUSH BUTTON IS NOT FEASIBLE ON TRAFFIC SIGNAL POLE, A PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA) SHALL BE INSTALLED ADJACENT TO TURNING SPACES OF CURB RAMPS COMPLYING WITH SECTIONS 4E.08 THROUGH 4E.13 OF THE MUTCD AND IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT.

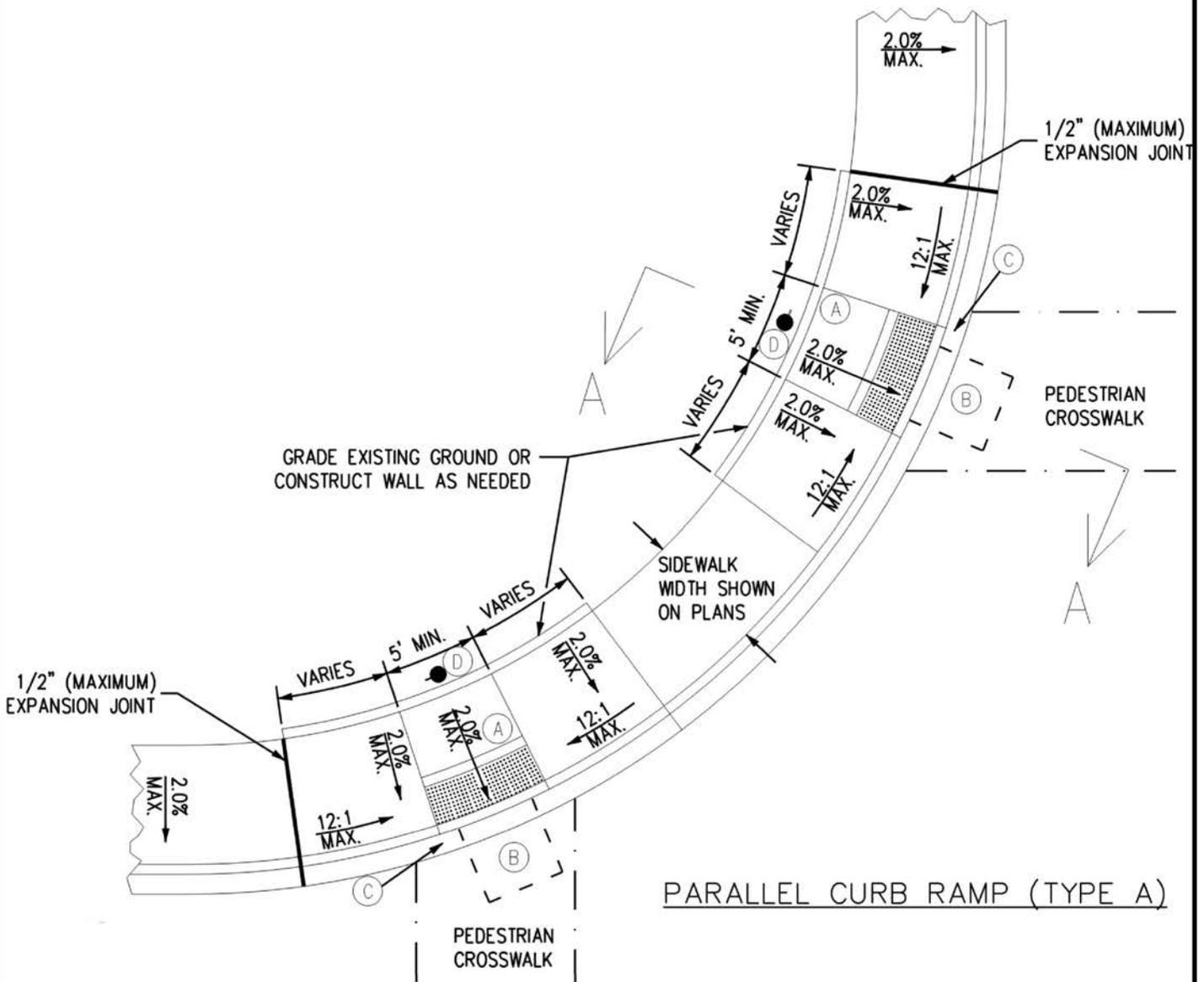
- (A)** TURNING SPACE TO BE A MIN. 4'x5' (5'x5' IF CONFINED) AREA WITH NO MORE THAN 2.0% SLOPE IN ALL DIRECTIONS
- (B)** A MINIMUM CLEAR SPACE OF 4'x4' SHALL BE PROVIDED BEYOND THE BOTTOM GRADE BREAK WHOLLY WITHIN THE WIDTH OF THE PEDESTRIAN CROSSWALK AND OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE
- (C)** TRANSITION GUTTER SLOPE TO 5% MAXIMUM ALONG ENTIRE BOTTOM OF RAMP (TRANSITION SHALL BE OVER A MIN. OF 2' OR A MAX. OF 10')

N.T.S.

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STANDARDS AND SPECIFICATIONS  
CURB RAMPS**

	
Drawing Number	400-6
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PARALLEL CURB RAMP (TYPE A)

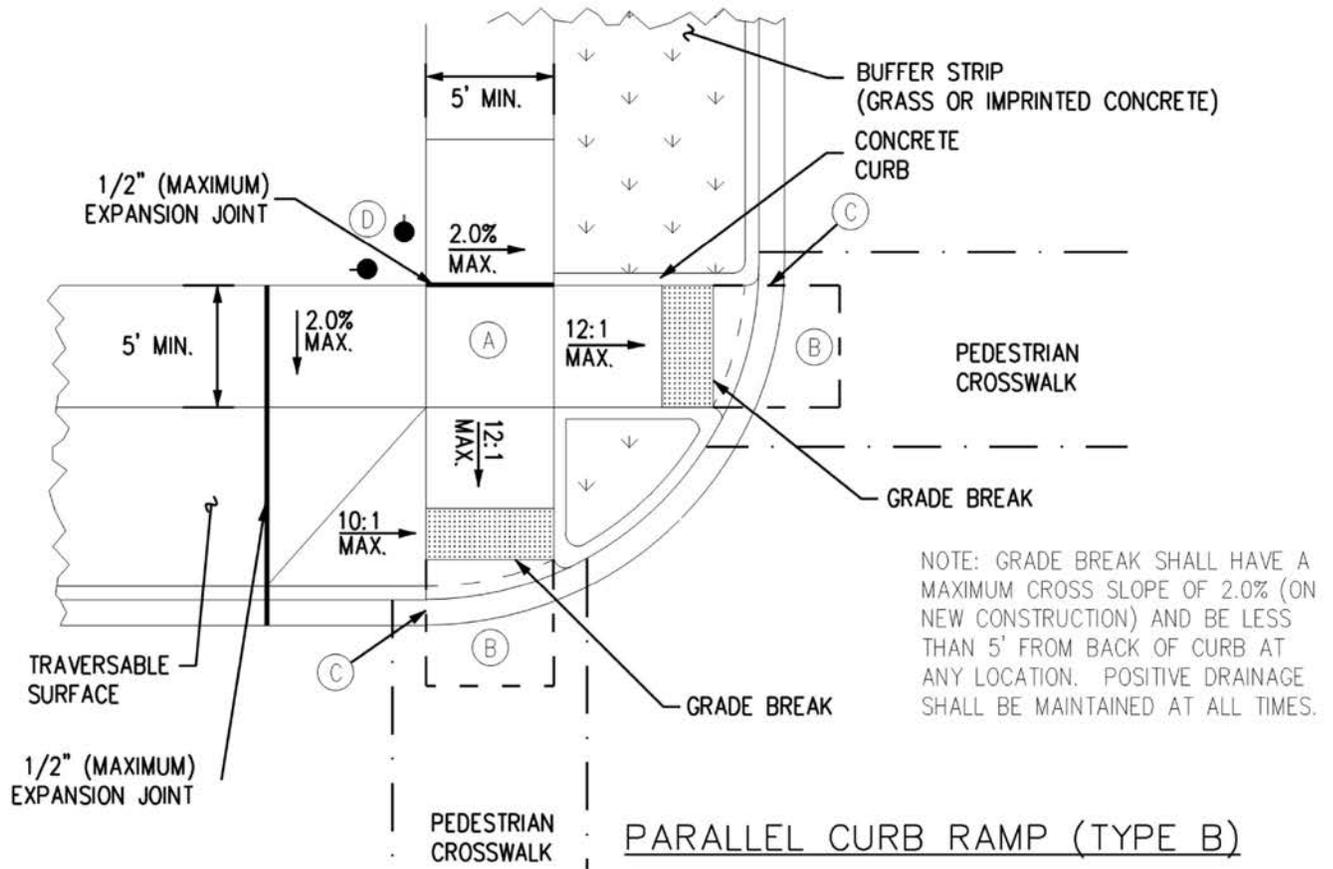
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**DEPARTMENT OF PUBLIC WORKS  
STANDARDS AND SPECIFICATIONS  
CURB RAMPS**

	
Drawing Number	400-6
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- (A) TURNING SPACE TO BE A MIN. 4'x5' (5'x5' IF CONFINED) AREA WITH NO MORE THAN 2.0% SLOPE IN ALL DIRECTIONS
- (B) A MINIMUM CLEAR SPACE OF 4'x4' SHALL BE PROVIDED BEYOND THE BOTTOM GRADE BREAK WHOLLY WITHIN THE WIDTH OF THE PEDESTRIAN CROSSWALK AND OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE
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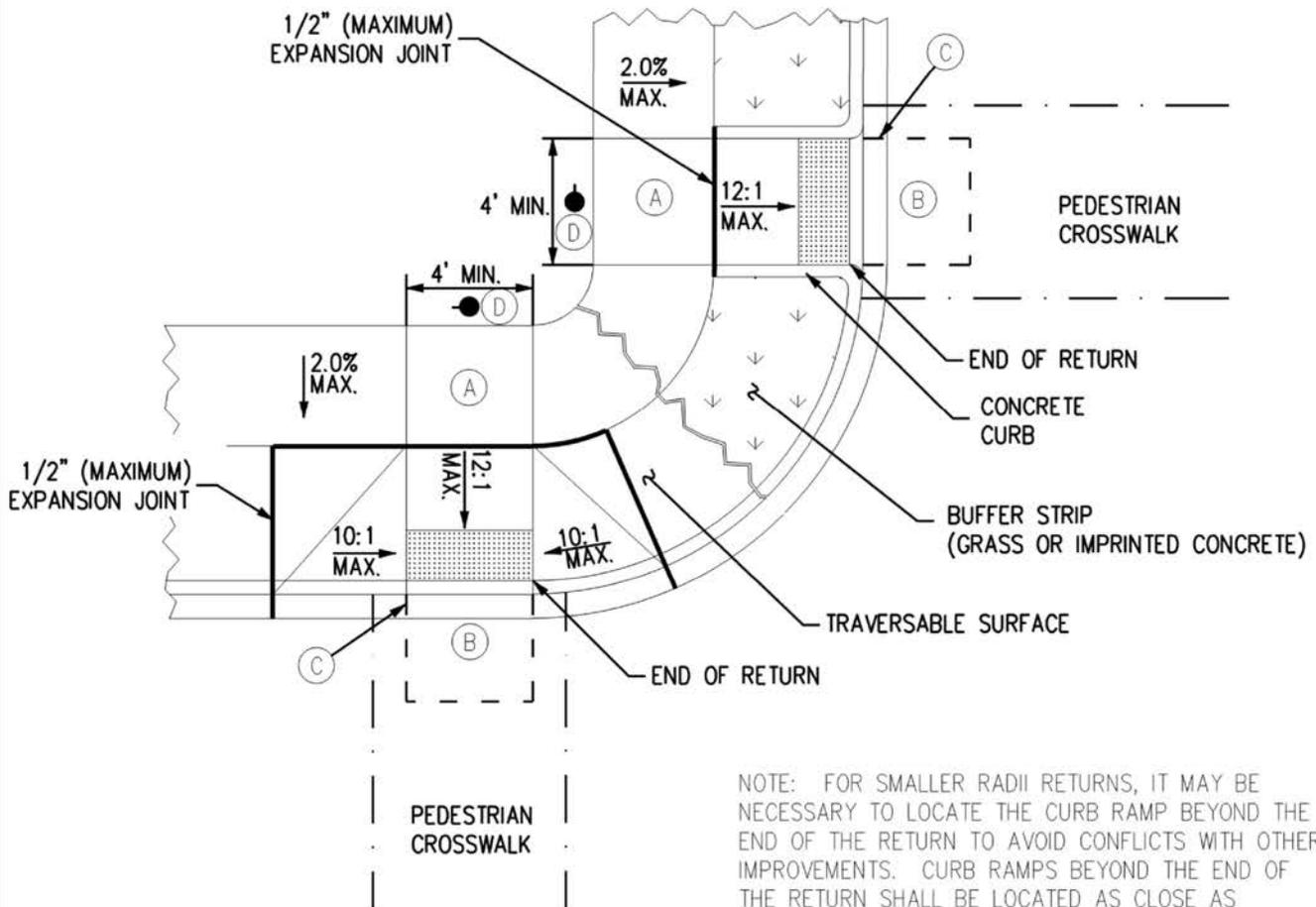
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STANDARDS AND SPECIFICATIONS  
CURB RAMPS**



Drawing Number 400-6 Sheet Number 3 of 6



NOTE: FOR SMALLER RADII RETURNS, IT MAY BE NECESSARY TO LOCATE THE CURB RAMP BEYOND THE END OF THE RETURN TO AVOID CONFLICTS WITH OTHER IMPROVEMENTS. CURB RAMPS BEYOND THE END OF THE RETURN SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE END OF THE RETURN AND SHALL BE APPROVED BY THE COUNTY.

### PERPENDICULAR CURB RAMPS – SMALL RADIUS

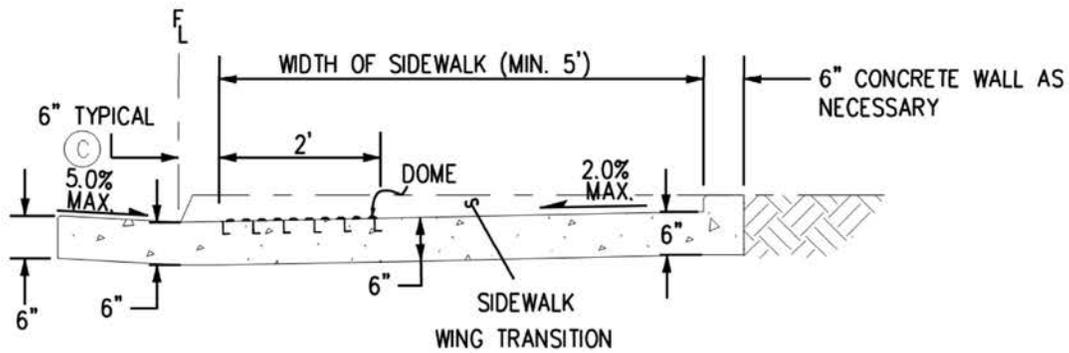
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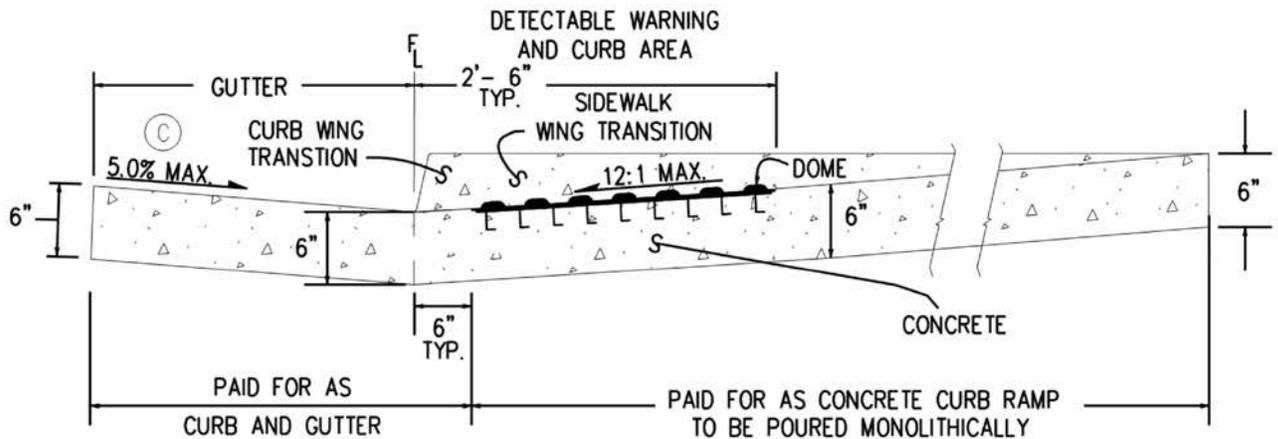
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STANDARDS AND SPECIFICATIONS  
CURB RAMPS**





SECTION A-A CURB RAMP PROFILE



SECTION B-B CURB RAMP PROFILE

- (A) TURNING SPACE TO BE A MIN. 4'x5' (5'x5' IF CONFINED) AREA WITH NO MORE THAN 2.0% SLOPE IN ALL DIRECTIONS
- (C) TRANSITION GUTTER SLOPE TO 5% MAXIMUM ALONG ENTIRE BOTTOM OF RAMP (TRANSITION SHALL BE OVER A MIN. OF 2' OR A MAX. OF 10')
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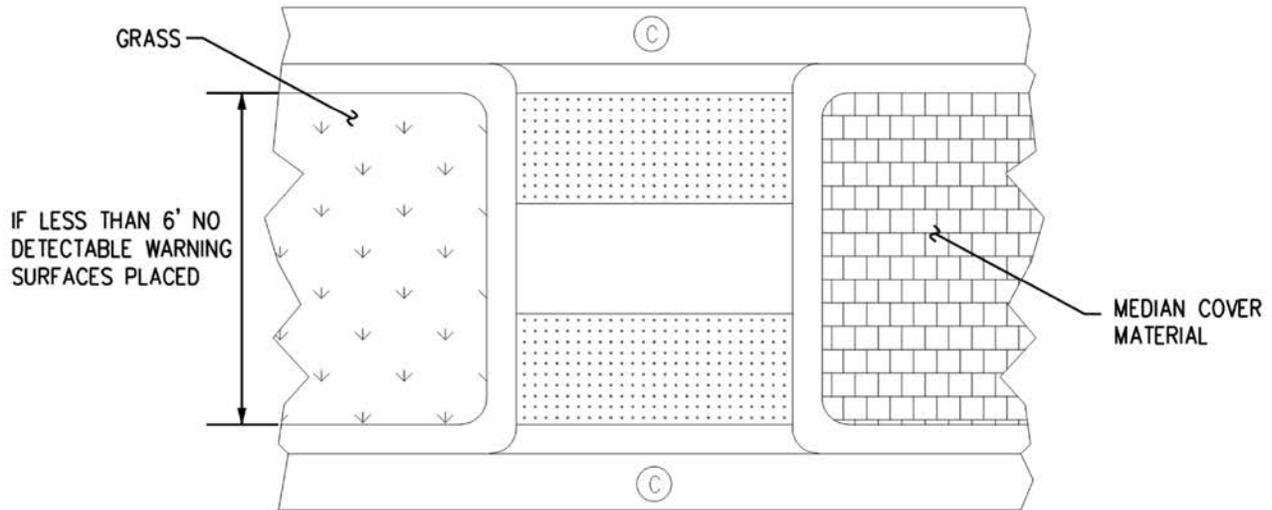
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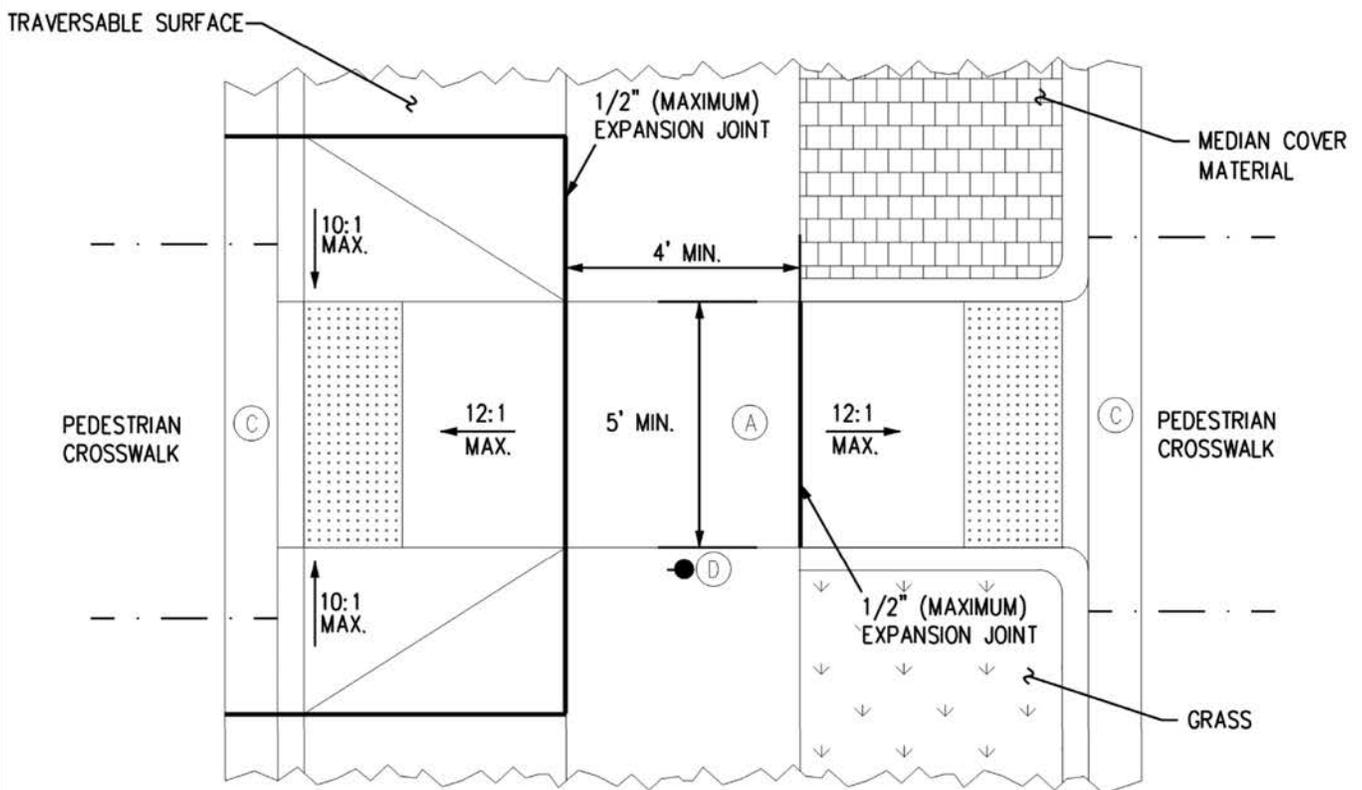
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STANDARDS AND SPECIFICATIONS  
CURB RAMPS**



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**MEDIAN CUT THROUGH CROSSING**



**PEDESTRIAN MEDIAN REFUGE**

- (A) TURNING SPACE TO BE A MIN. 4'x5' (5'x5' IF CONFINED) AREA WITH NO MORE THAN 2.0% SLOPE IN ALL DIRECTIONS
- (C) TRANSITION GUTTER SLOPE TO 5% MAXIMUM ALONG ENTIRE BOTTOM OF RAMP (TRANSITION SHALL BE OVER A MIN. OF 2' OR A MAX. OF 10')
- (D) ● WHEN INSTALLATION OF PEDESTRIAN PUSH BUTTON IS NOT FEASIBLE ON TRAFFIC SIGNAL POLE, A PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA) SHALL BE INSTALLED ADJACENT TO TURNING SPACES OF CURB RAMPS COMPLYING WITH SECTIONS 4E.08 THROUGH 4E.13 OF THE MUTCD AND IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT.

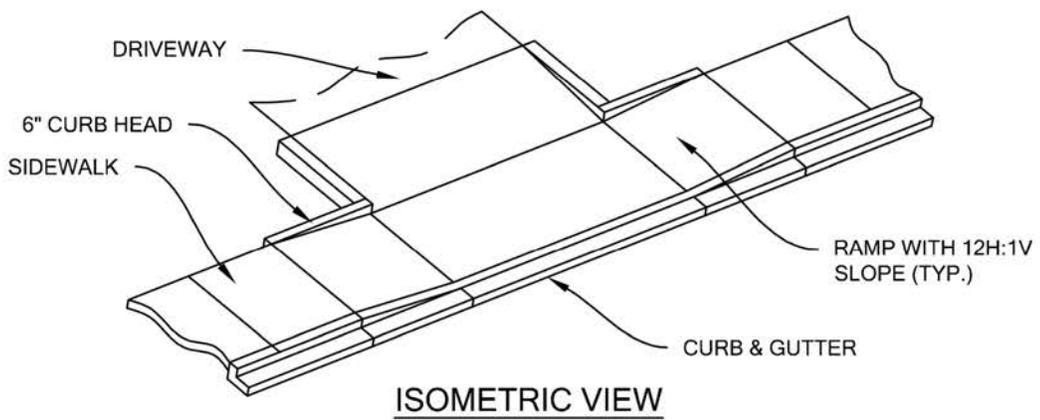
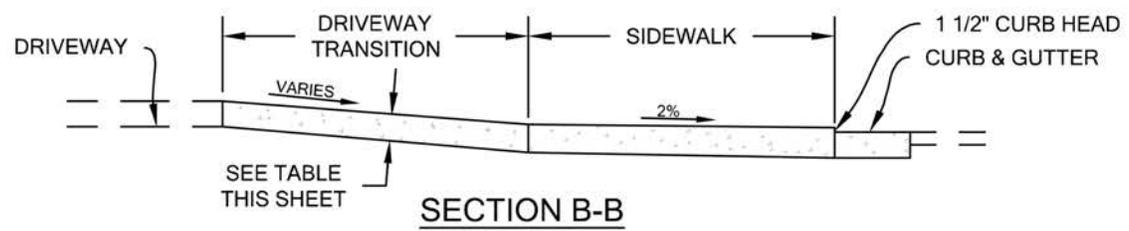
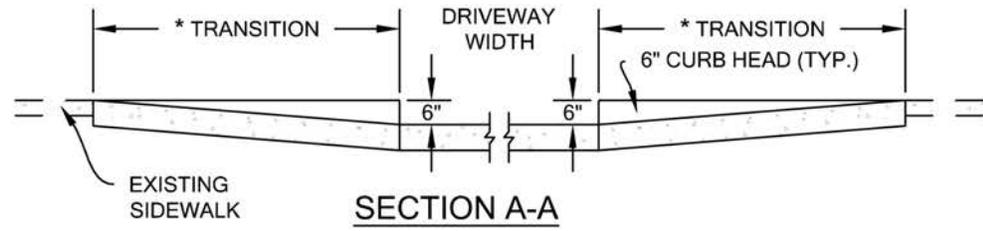
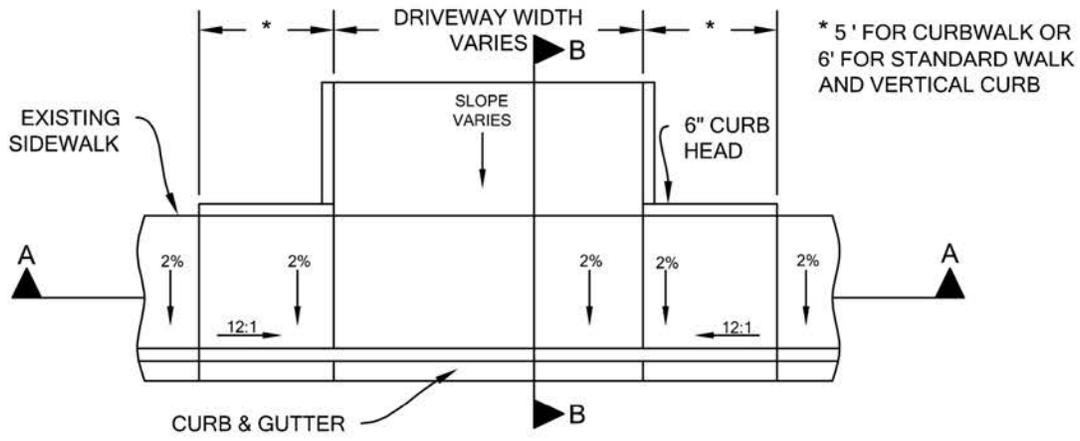
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STANDARDS AND SPECIFICATIONS  
CURB RAMPS**



Drawing Number 400-6 Sheet Number 6 of 6



**NOTES:**

1. CONTRACTION JOINTS ARE REQUIRED AT EACH SIDE OF WARPED SECTION AND EVERY 10' (MAX) ALONG THE DRIVEWAY.
2. EXPANSION JOINT REQUIRED IF DRIVEWAY IS CONCRETE BEHIND CURB CUT.
3. BACK OF CURB CUT EXTENDS TO BACK OF WALK OR BIKE PATH.
4. NO END OF CURB SHALL BE CONSTRUCTED WITHIN 5' - 0" OF A PROPERTY LINE OR 30' - 0" OF A PROPERTY CORNER.
5. TRAFFIC ENGINEER SHALL APPROVE LOCATION OF CURB CUT BEFORE CONSTRUCTION.
6. 6.5 SACK CONCRETE WITH FIBERMESH REQUIRED.

TYPE OF CUT	WIDTH OF CURB CUT	TOTAL WIDTH	MINIMUM THICKNESS
SINGLE FAMILY	12' - 16'	22' - 26'	6"
MULTI-FAMILY	16' - 25'	26' - 35'	8"
COMMERCIAL	30' - 40'	40' - 50'	10"

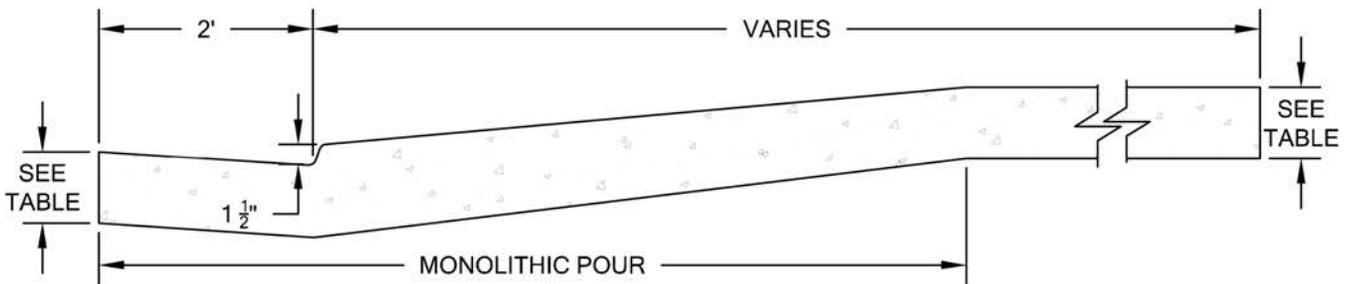
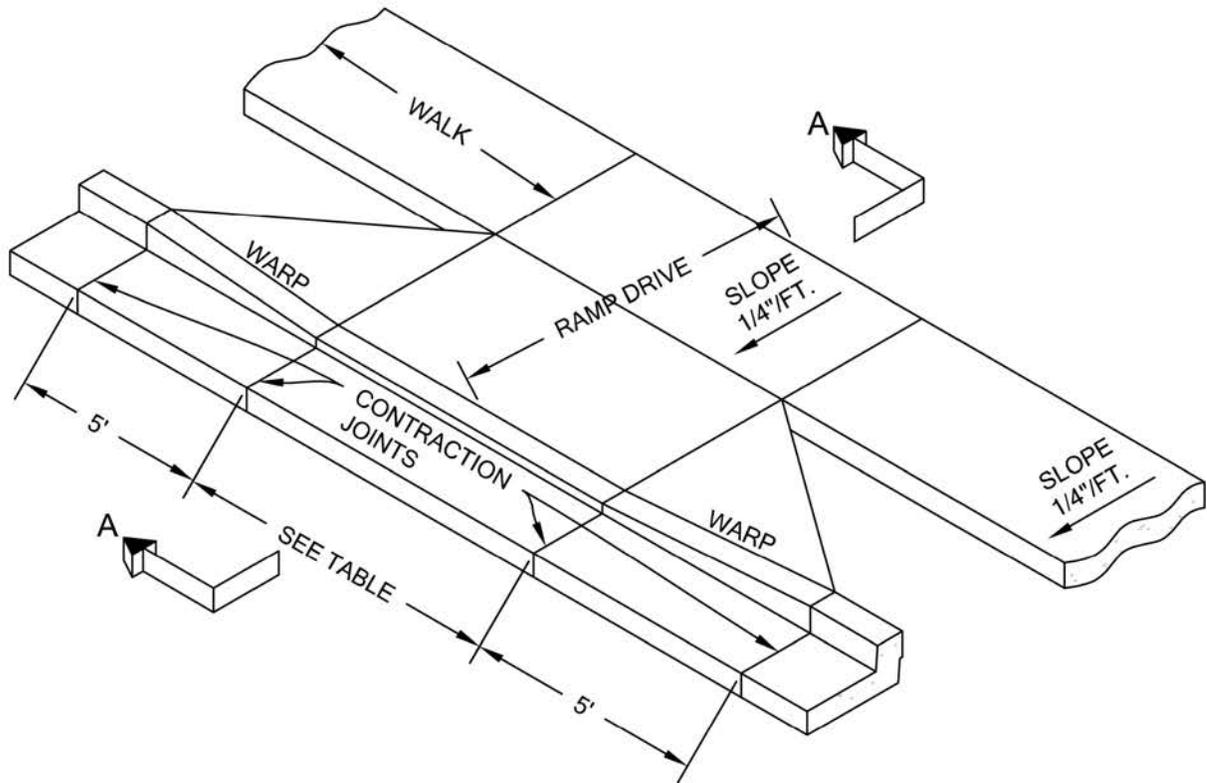
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RAMP DRIVE AT ATTACHED WALK**



**Brighton**  
Drawing Number 400-7 Sheet Number 1 of 1



**SECTION A-A**

**NOTES:**

1. CONTRACTION JOINTS ARE REQUIRED AT EACH SIDE OF WARPED SECTION AND EVERY 10' (MAX) ALONG THE DRIVEWAY.
2. EXPANSION JOINT REQUIRED IF DRIVEWAY IS CONCRETE BEHIND CURB CUT.
3. BACK OF CURB CUT EXTENDS TO BACK OF WALK OR BIKE PATH.
4. NO END OF CURB SHALL BE CONSTRUCTED WITHIN 5' - 0" OF A PROPERTY LINE OR 30'- 0" OF A PROPERTY CORNER.
5. TRAFFIC ENGINEER SHALL APPROVE LOCATION OF CURB CUT BEFORE CONSTRUCTION.
6. 6.5 SACK CONCRETE WITH FIBERMESH REQUIRED.

TYPE OF CUT	WIDTH OF CURB CUT	TOTAL WIDTH	MINIMUM THICKNESS
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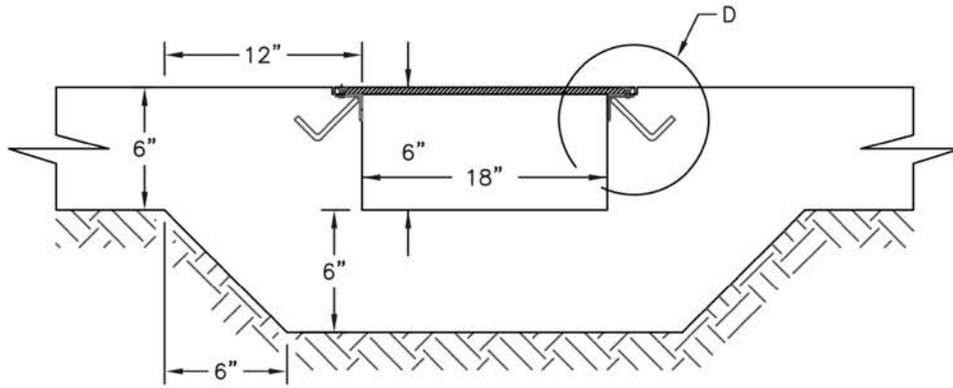
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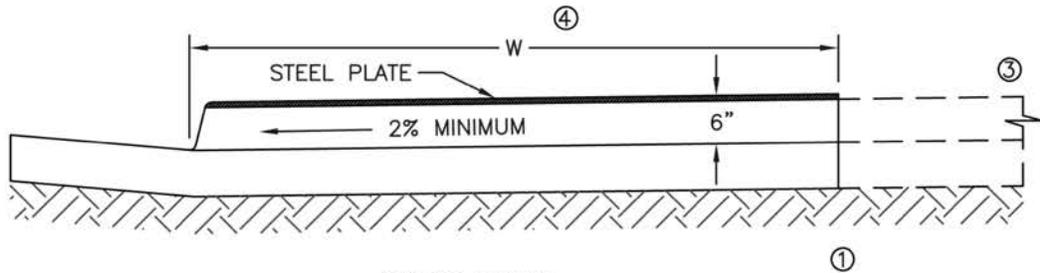
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RAMP DRIVE AT DETACHED WALK**



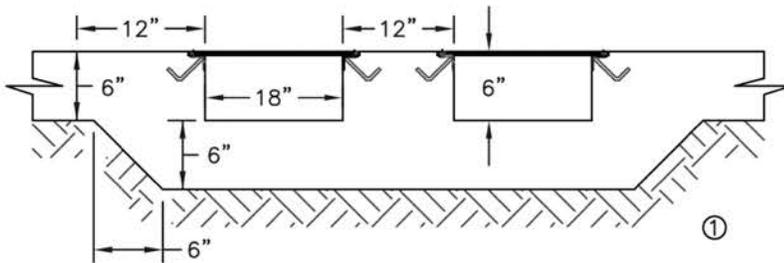
Drawing Number 400-8 Sheet Number 1 of 1



CHASE SECTION (TYP.)

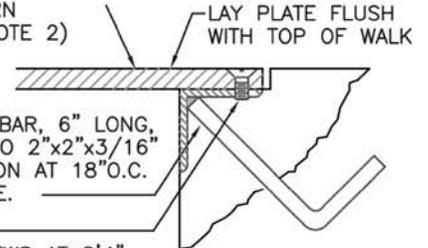


SIDE VIEW



MULTIPLE CHASE

3/8" STEEL PLATE  
NON-SLIP RAISED  
PATTERN  
(SEE NOTE 2)



NO. 3 REBAR, 6" LONG,  
WELDED TO 2"x2"x3/16"  
ANGLE IRON AT 18"O.C.  
EACH SIDE.

5/16"x3/4"  
MACHINE SCREWS AT 2'4"  
O.C. COUNTER SINK FLUSH  
W/PLATE.

DETAIL D

NO SCALE

NOTES:

- ① COMPACTED SUBGRADE MATERIAL
- ② CHASE SECTIONS WITHIN 25' OF INTERSECTIONS OR DRIVEWAYS ARE REQUIRED TO USE 1/2" STEEL PLATE
- ③ CONSTRUCT CONCRETE CHANNEL WHERE REQUIRED
- ④ W = 5' 6" OR MATCH EXISTING

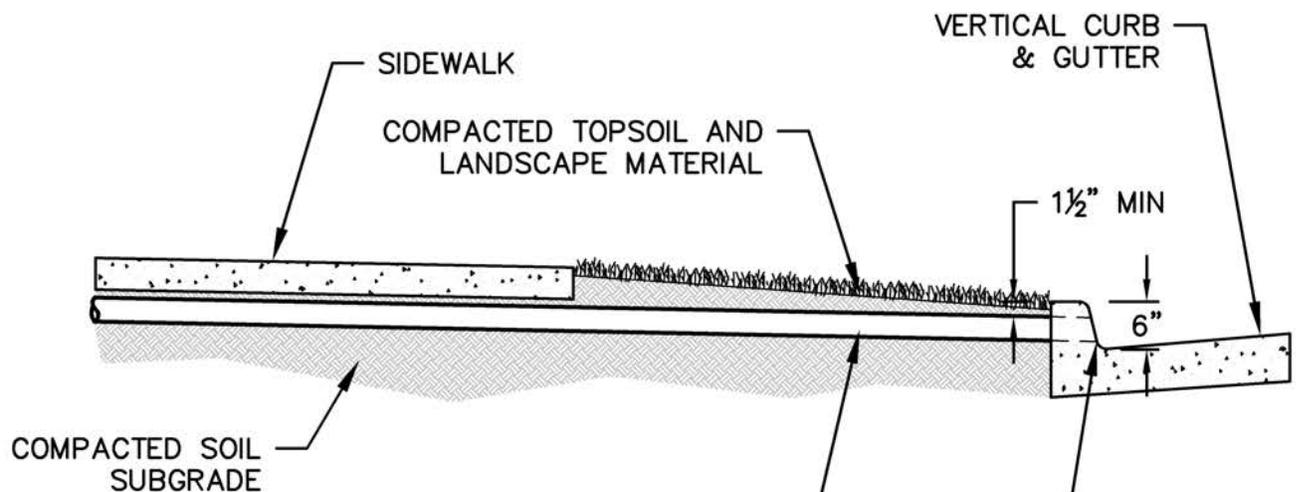
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**SIDEWALK CHASE - COMMERCIAL**



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2"-3" SCH 40 PVC,  $\frac{1}{8}$ "/FT MIN SLOPE UNDER DETACHED SIDEWALK AND BURIED IN YARD AND LANDSCAPE AREA.

CORE DRILL UP TO  $3\frac{1}{4}$ " HOLE AND EPOXY PVC CARRIER PIPE THROUGH THE CURB FACE. BOTTOM OF HOLE SHALL BE MINIMUM  $\frac{1}{2}$ " ABOVE THE FLOWLINE OF THE CURB AND GUTTER.

**NOTE:**

1. FOR RESIDENTIAL USE ONLY. CLEAR WATER ROOF DRAIN PIPE OR SUMP PUMP DISCHARGE PIPE.
2. CURB DRAINS SHALL NOT BE CONSTRUCTED WITHIN 18 INCHES OF CONTRACTION OR EXPANSION JOINTS.
3. CUTTING OUT TOP OF CURB IS NOT ALLOWED. UP TO A  $3\frac{1}{4}$ " CONCRETE BORE MAY BE USED. IN LIEU OF BORE, REMOVE AND REPOUR 5 FOOT SECTION OF CURB.

N.T.S.

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**SIDEWALK DRAIN PIPE - RESIDENTIAL**



**Brighton**

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