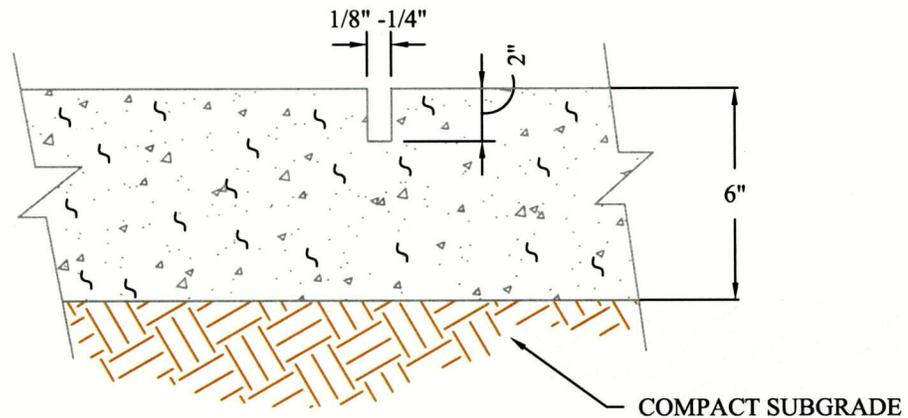


PLAN VIEW



SECTION A-A'

NOTES:

1. SAW CUT, REMOVABLE PLASTIC DUMMY JOINT STRIPS OR OTHER APPROVED JOINTS AT 10' ON CENTER.
2. EXPANSION JOINTS REQUIRED AT 400' SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY. WHEN CONCRETE IS PLACED BY MACHINE, EXPANSION JOINTS ARE ONLY REQUIRED AT THE BEGINNING AND AT THE END OF THE POUR. ALL EXPANSION JOINTS TO BE CAULKED. SEE DETAIL S-4
3. CONCRETE SHALL BE FIBER REINFORCED AS APPROVED BY THE CITY.
4. BIKE PATHS WITH GREATER THAN 5% SLOPE SHALL REQUIRE A SPECIAL DESIGN.

NOTES:

1) NO PARKING ZONES SHALL BE INDICATED WITH "NO PARKING AT ANYTIME" SIGNS AT THE BEGINNING AND AT THE END

2) A CONCRETE PAD SHALL BE CONSTRUCTED AT THE BUS STOP LOCATION WITH THE DIMENSIONS OF 13.5' LONG PARALLEL TO THE SIDEWALK, 11' WIDE, AND A MINIMUM OF 6" THICK

NEAR-SIDE  
BUS STOP

70'  
NO PARKING ZONE

FAR-SIDE  
BUS STOP

70'  
NO PARKING ZONE

MID-BLOCK  
BUS STOP

70'  
NO PARKING ZONE



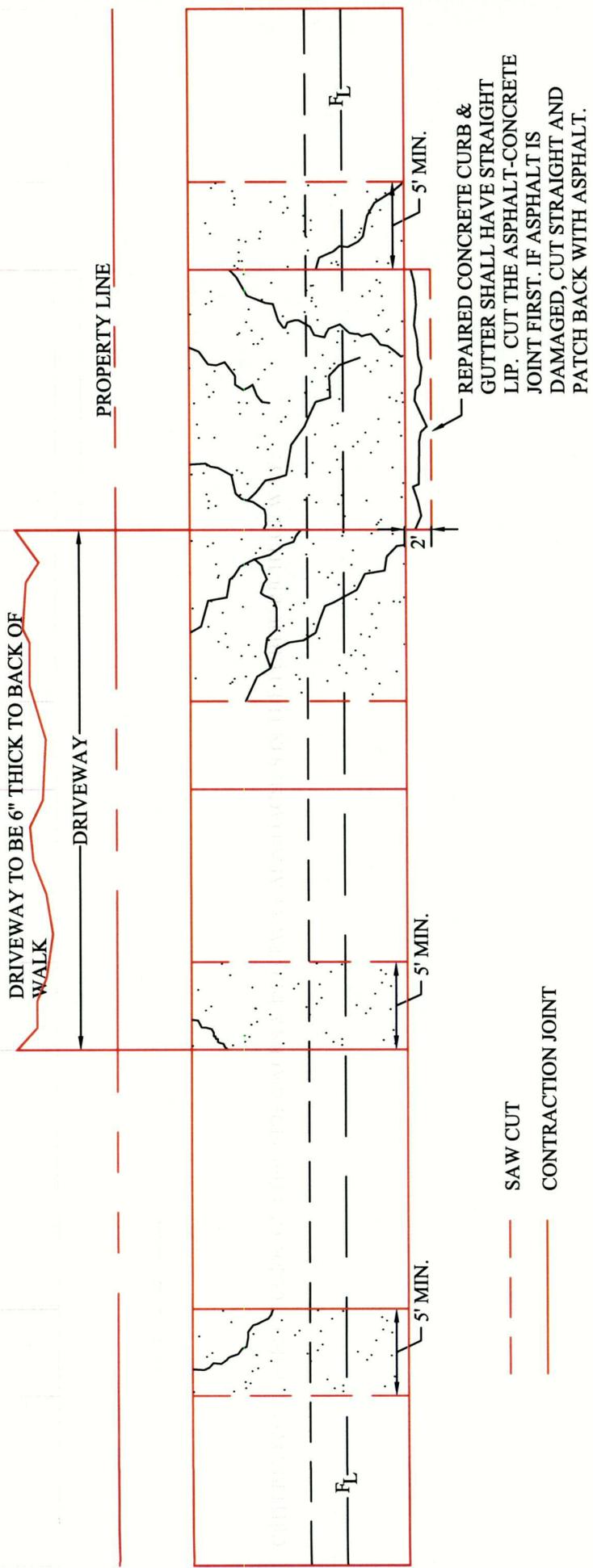
Public Works  
Department

BUS STOP DETAIL

Scale: N.T.S

Detail No. S-2

April 2004



**CRITERIA FOR REPAIR OF CURB, GUTTER, SIDEWALKS & DRIVEWAY APPROACHES IN THE PUBLIC RIGHT OF WAY:**

- A. TWO SECTIONS HAVING AN ELEVATION DIFFERENCE OF 3/4" OR GREATER, AT ANY LOCATION ALONG THE TOOLED JOINT OR CRACK.
- B. ANY SECTION WITH CRACKS 1/2" IN WIDTH, OR GREATER.
- C. SPALLING (CRUMBLING OF CONCRETE SURFACE) OF DEPTHS GREATER THAN 3/4", OR ENCOMPASSING MORE THAN 50 % OF THE CONCRETE SECTION.
- D. ANY PORTION OF A CONCRETE SECTION MISSING.
- E. SECTIONS DISPLACED FROM ORIGINAL GRADE AT MORE THAN 12:1 SLOPE.

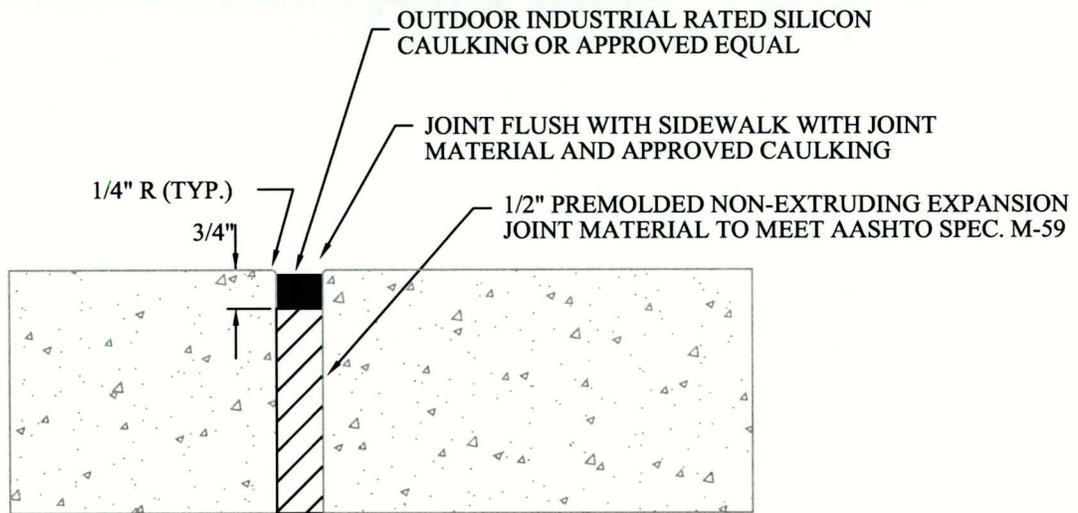


**CONCRETE REPAIR DETAIL  
FOR SIDEWALK, CURB & GUTTER**

Scale: N.T.S

Detail No. S-3

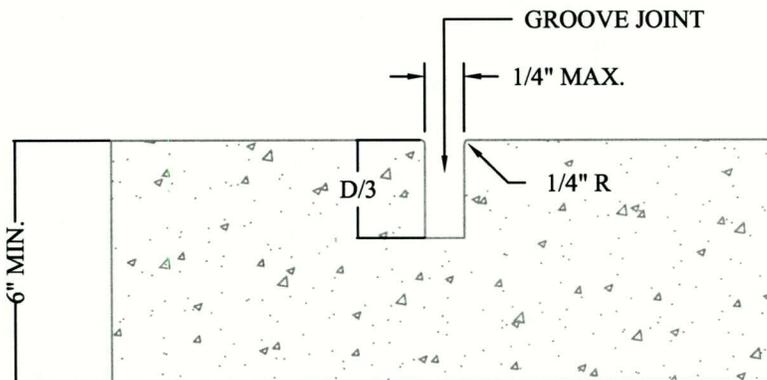
April 2004



EXPANSION JOINT

NOTES FOR EXPANSION JOINTS:

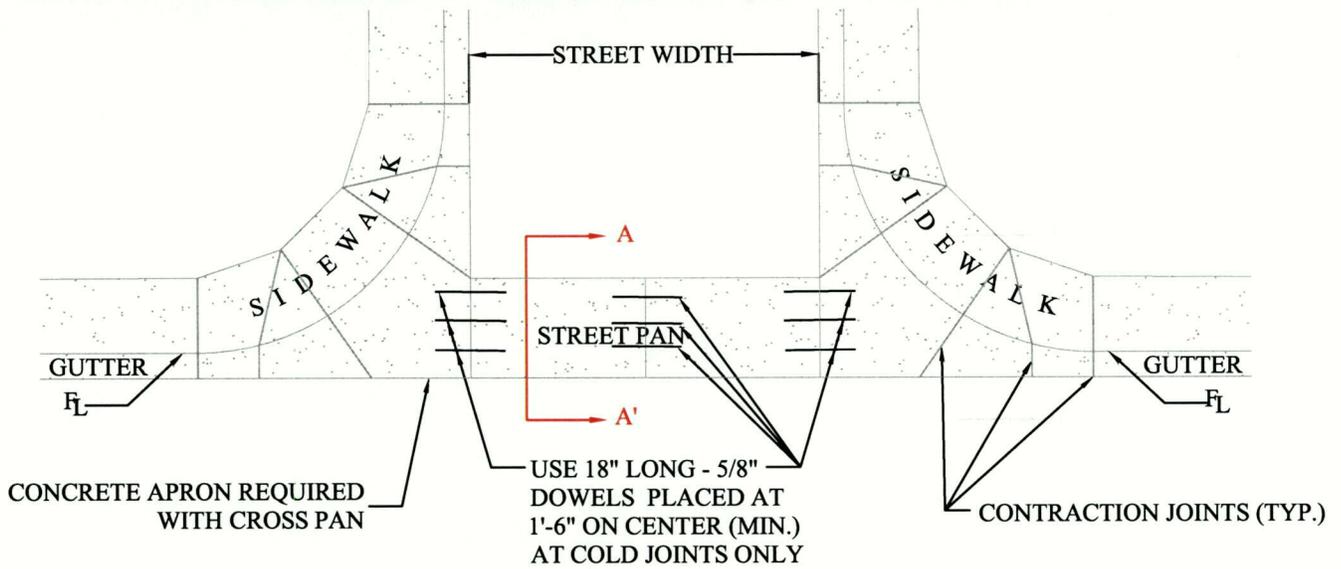
EXPANSION JOINTS REQUIRED AT 400' SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY. WHEN CONCRETE IS PLACED BY MACHINE, EXPANSION JOINTS ARE ONLY REQUIRED AT THE BEGINNING AND AT THE END OF THE POUR



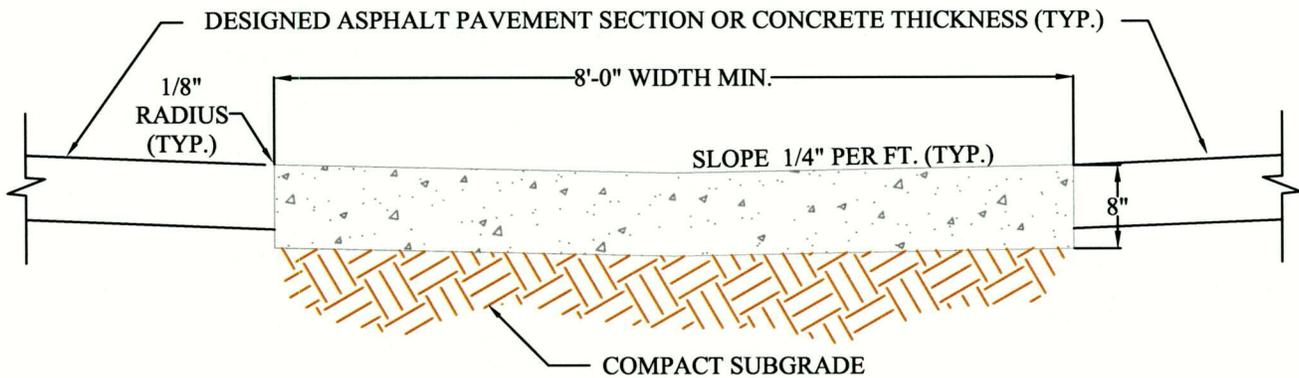
CONTRACTION JOINT

NOTES FOR CONTRACTION JOINTS:

1. FORM WITH TOOL TEMPLATE OR SAW CUT JOINTS.
2. SAW CUT JOINTS, IF USED, SHALL BEGIN AS SOON AS CONCRETE IS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT EXCESSIVE RAVELING AND BEFORE UNCONTROLLED CRACKING OCCURS.
3. MAXIMUM DISTANCE BETWEEN JOINTS IS 10' AND THE MINIMUM DISTANCE IS 5'.



PLAN VIEW

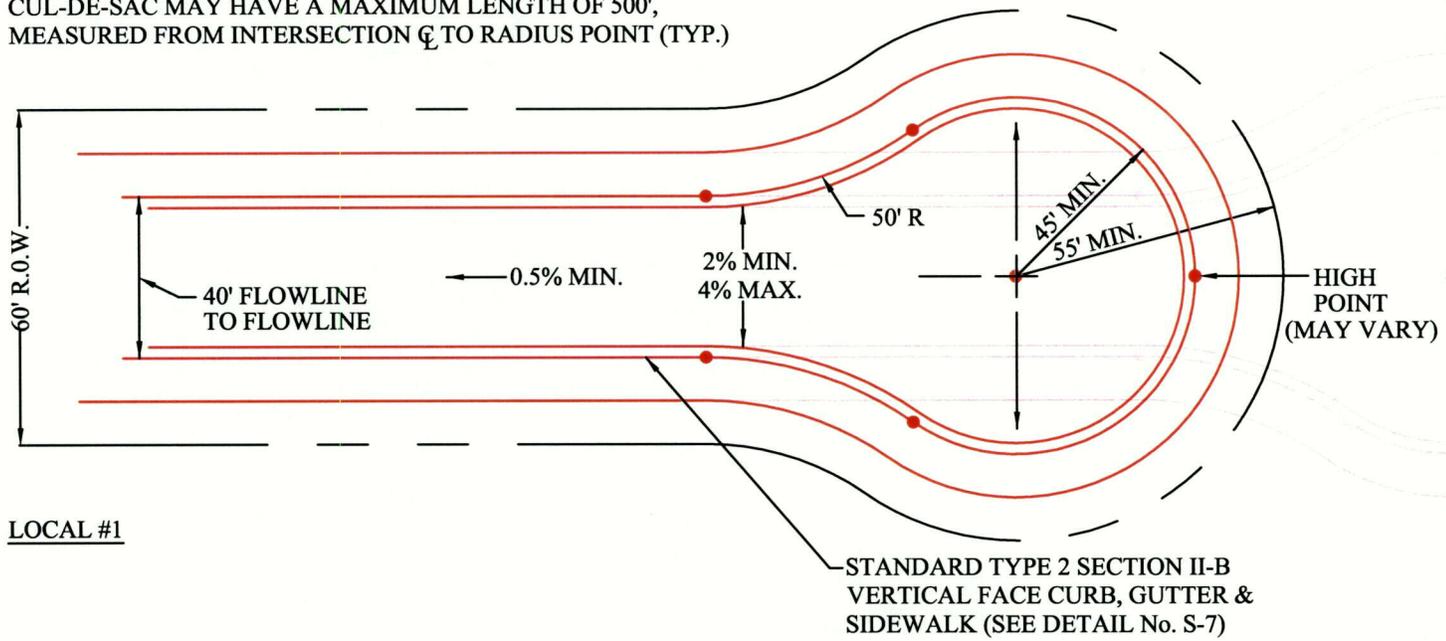


SECTION A-A'

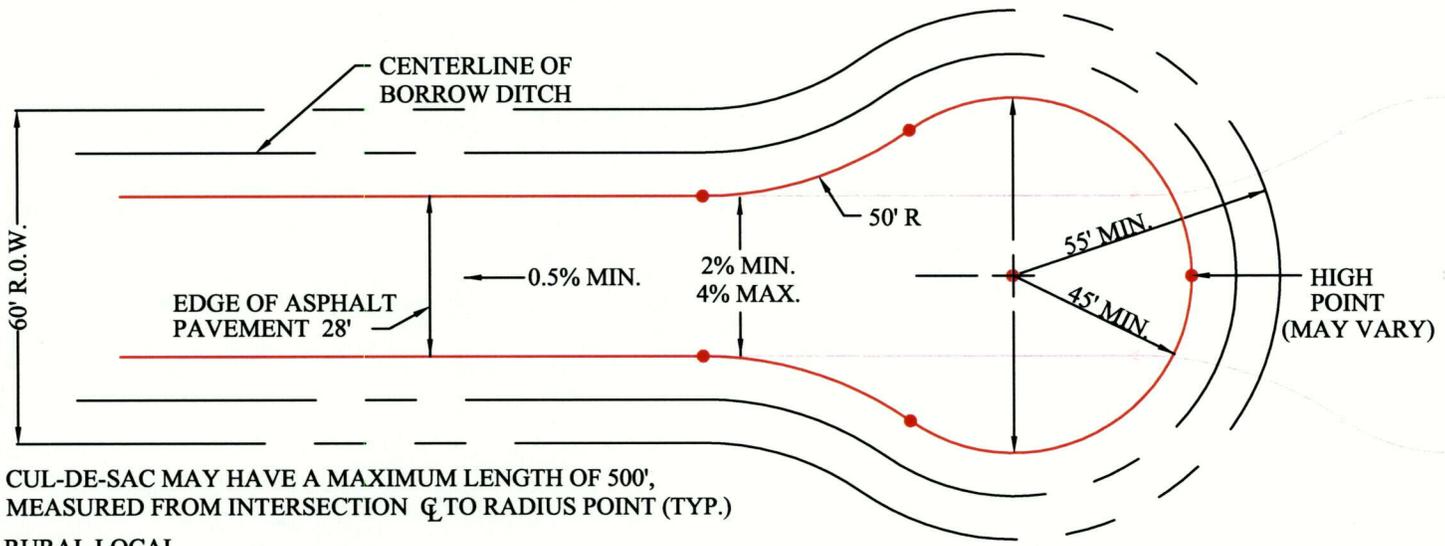
NOTES:

1. MINIMUM OF 0.6% LONGITUDINAL SLOPE FOR CROSS PANS.
2. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10'.
3. CONCRETE APRON SHALL BE POURED MONOLITHICALLY WITH CURB/WALK AND SHALL BE 8" THICK (SEE DETAILS No. S-11 THROUGH S-14).
4. CROSS PAN AND APRON MAY BE POURED MONOLITHICALLY.
5. SEE SECTION 2.21 IN THE SPECIFICATIONS FOR STREET DESIGN AND CONSTRUCTION FOR PERMISSIBLE LOCATIONS OF CROSS PANS.
6. MID-BLOCK CROSS PANS SHALL BE A MINIMUM OF 10' WIDE.
7. LARGER CROSS PAN WIDTH MAY BE REQUIRED BY THE CITY.

CUL-DE-SAC MAY HAVE A MAXIMUM LENGTH OF 500', MEASURED FROM INTERSECTION  $\mathcal{C}$  TO RADIUS POINT (TYP.)



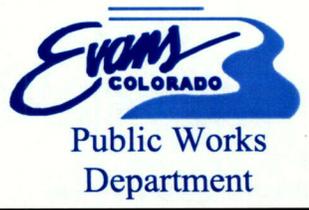
LOCAL #1



CUL-DE-SAC MAY HAVE A MAXIMUM LENGTH OF 500', MEASURED FROM INTERSECTION  $\mathcal{C}$  TO RADIUS POINT (TYP.)

RURAL LOCAL

NOTE: THESE STANDARDS MAY BE APPLIED TO ASYMMETRICAL CUL-DE-SACS.  
 ● DESIGN ENGINEER SHOW REFERENCE ELEVATIONS AT THESE POINTS

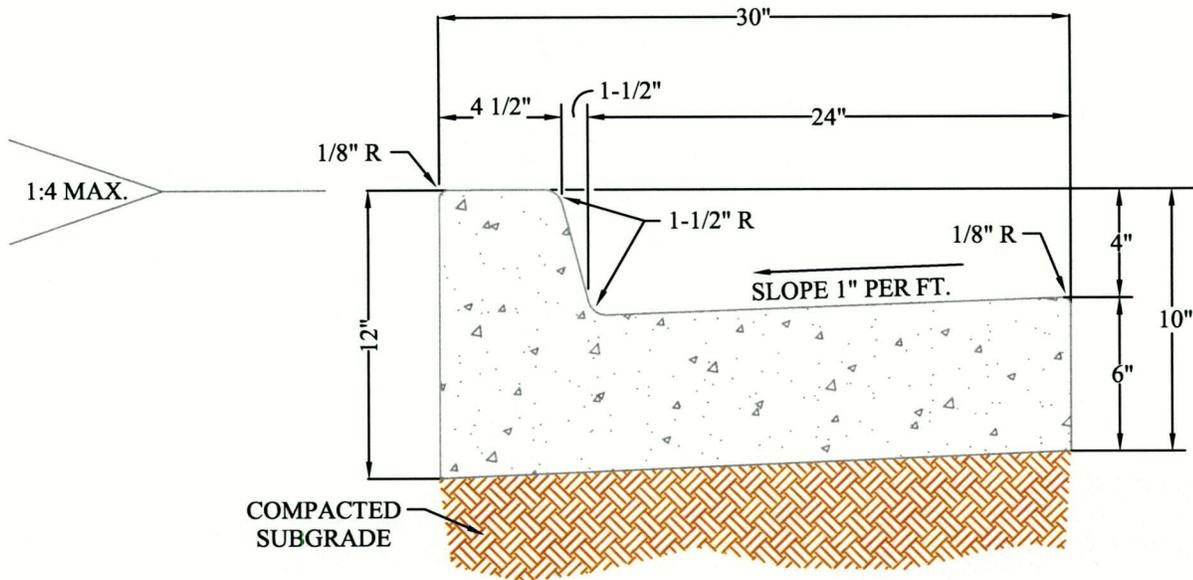


CUL-DE-SAC  
DETAIL

Scale: N.T.S

Detail No. S-6

April 2004



TYPE 2-SECTION II-B

NOTES:

1. CONTRACTION JOINTS FOR CURB AND GUTTER SHALL MATCH SIDEWALKS MAXIMUM SPACING 10'.
2. EXPANSION JOINTS REQUIRED AT 400' SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY. WHEN CONCRETE IS PLACED BY MACHINE, EXPANSION JOINTS ARE ONLY REQUIRED AT THE BEGINNING AND AT THE END OF THE POUR. SEE DETAIL No. S-4
3. AT ALLEYS, COMMERCIAL DRIVEWAYS AND GAS AND OIL ACCESSES, THE CURB & GUTTER THICKNESS SHALL BE INCREASED TO 8".
4. THE FOLLOWING SYMBOLS SHALL BE STAMPED ON THE FRONT OF THE CURB FACE TO INDICATE THE LOCATION OF SERVICE LINES INTO A LOT:

- I - IRRIGATION
- W - WATER
- S - SEWER
- NP - NONPOTABLE WATER
- G - GAS



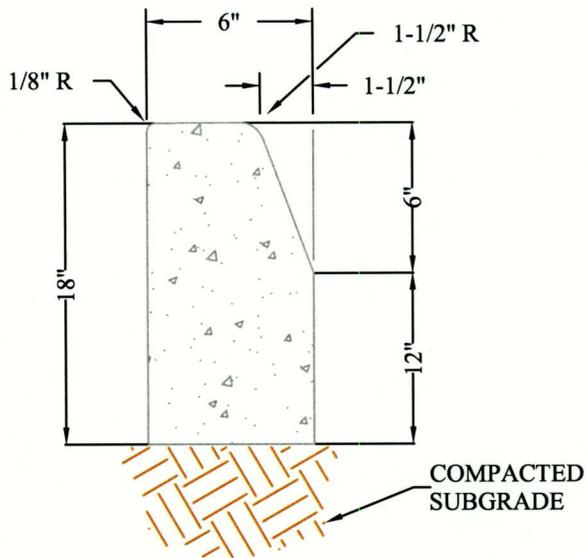
Public Works  
Department

CURB & GUTTER DETAIL  
TYPE 2 SECTION II-B

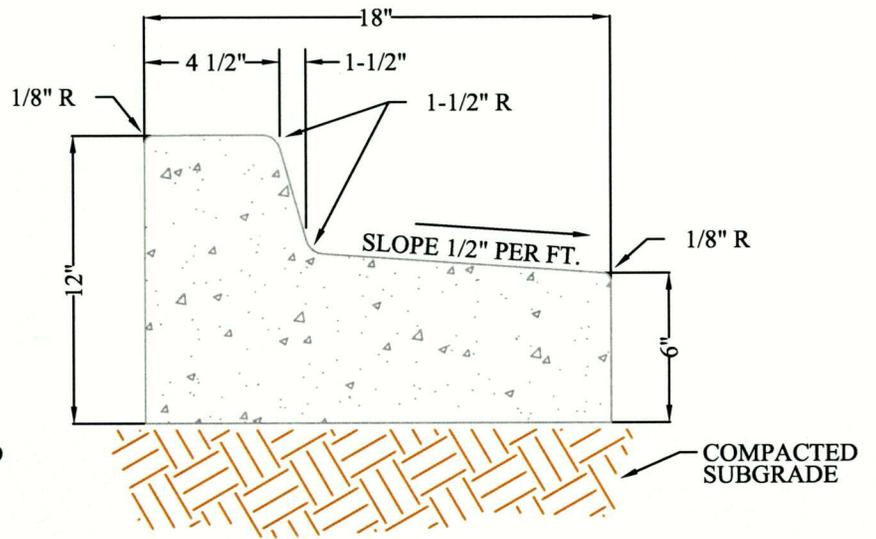
Scale: N.T.S

Detail No. S-7

April 2004



**6" BARRIER CURB TYPE  
2-SECTION B**



**6" VERTICAL CURB WITH REVERSE SLOPE GUTTER  
TYPE 2-SECTION IB**

**NOTES:**

1. CONTRACTION JOINTS FOR CURB AND GUTTER SHALL MATCH SIDEWALKS. MAXIMUM SPACING 10'.
2. EXPANSION JOINTS REQUIRED AT 400' SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY. WHEN CONCRETE IS PLACED BY MACHINE, EXPANSION JOINTS ARE ONLY REQUIRED AT THE BEGINNING AND AT THE END OF THE POUR. SEE DETAIL No. S-4
3. THE FOLLOWING SYMBOLS SHALL BE STAMPED ON THE FRONT OF THE CURB FACE TO INDICATE THE LOCATION OF SERVICE LINES INTO A LOT:

- I- IRRIGATION
- W - WATER
- S - SEWER
- NP - NONPOTABLE WATER
- G - GAS



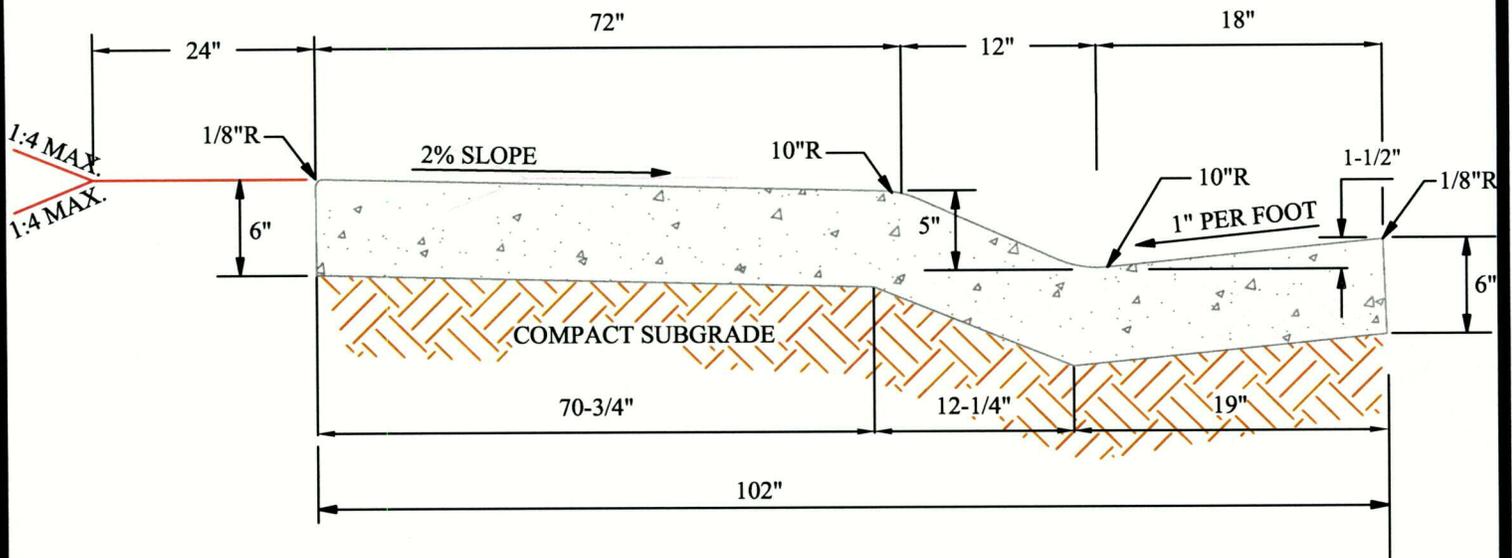
Public Works  
Department

**CURB & GUTTER DETAIL  
TYPE 2 - SECTION B & IB**

Scale: N.T.S

Detail No. S-8

April 2004

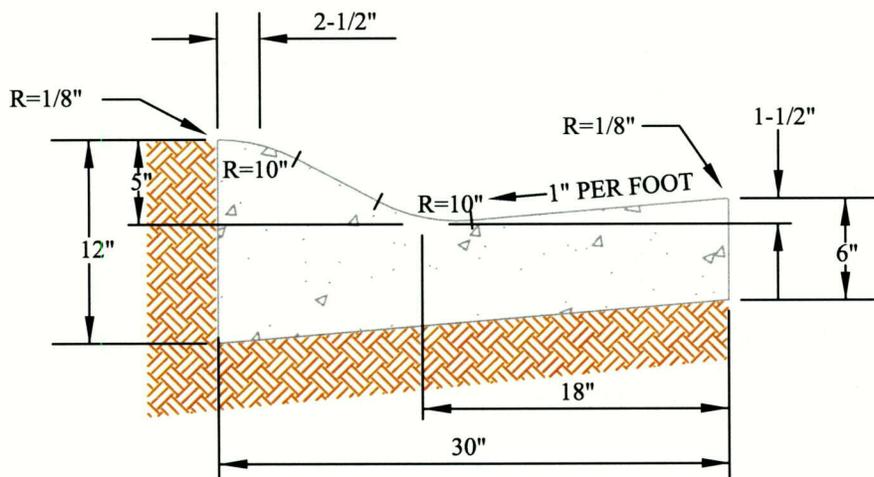


TYPE 2-SECTION MS MODIFIED

NOTES:

1. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10'.
2. EXPANSION JOINTS REQUIRED AT 400' SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY. WHEN CONCRETE IS PLACED BY MACHINE, EXPANSION JOINTS ARE ONLY REQUIRED AT THE BEGINNING AND AT THE END OF THE POUR. SEE DETAIL NO. S-4
3. THE FOLLOWING SYMBOLS SHALL BE STAMPED ON THE FRONT OF THE CURB FACE TO INDICATE THE LOCATION OF SERVICE LINES INTO A LOT:

I- IRRIGATION  
 W - WATER  
 S - SEWER  
 NP - NONPOTABLE WATER  
 G - GAS



DRIVE-OVER CURB AND GUTTER SECTION D-1A

NOTES:

1. DETACHED SIDEWALK WHEN USED WITH THIS SECTION SHALL BE 6" MINIMUM THICKNESS.
2. MAXIMUM SPACING OF CONTRACTION JOINTS IS 10'.
3. EXPANSION JOINTS REQUIRED AT 400' SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE CITY. WHEN CONCRETE IS PLACED BY MACHINE, EXPANSION JOINTS ARE ONLY REQUIRED AT THE BEGINNING AND AT THE END OF THE POUR, SEE DETAIL NO. S-4
4. THE FOLLOWING SYMBOLS SHALL BE STAMPED ON THE FRONT OF THE CURB FACE TO INDICATE THE LOCATION OF SERVICE LINES INTO A LOT:

I- IRRIGATION  
W - WATER  
S - SEWER  
NP - NONPOTABLE WATER  
G - GAS