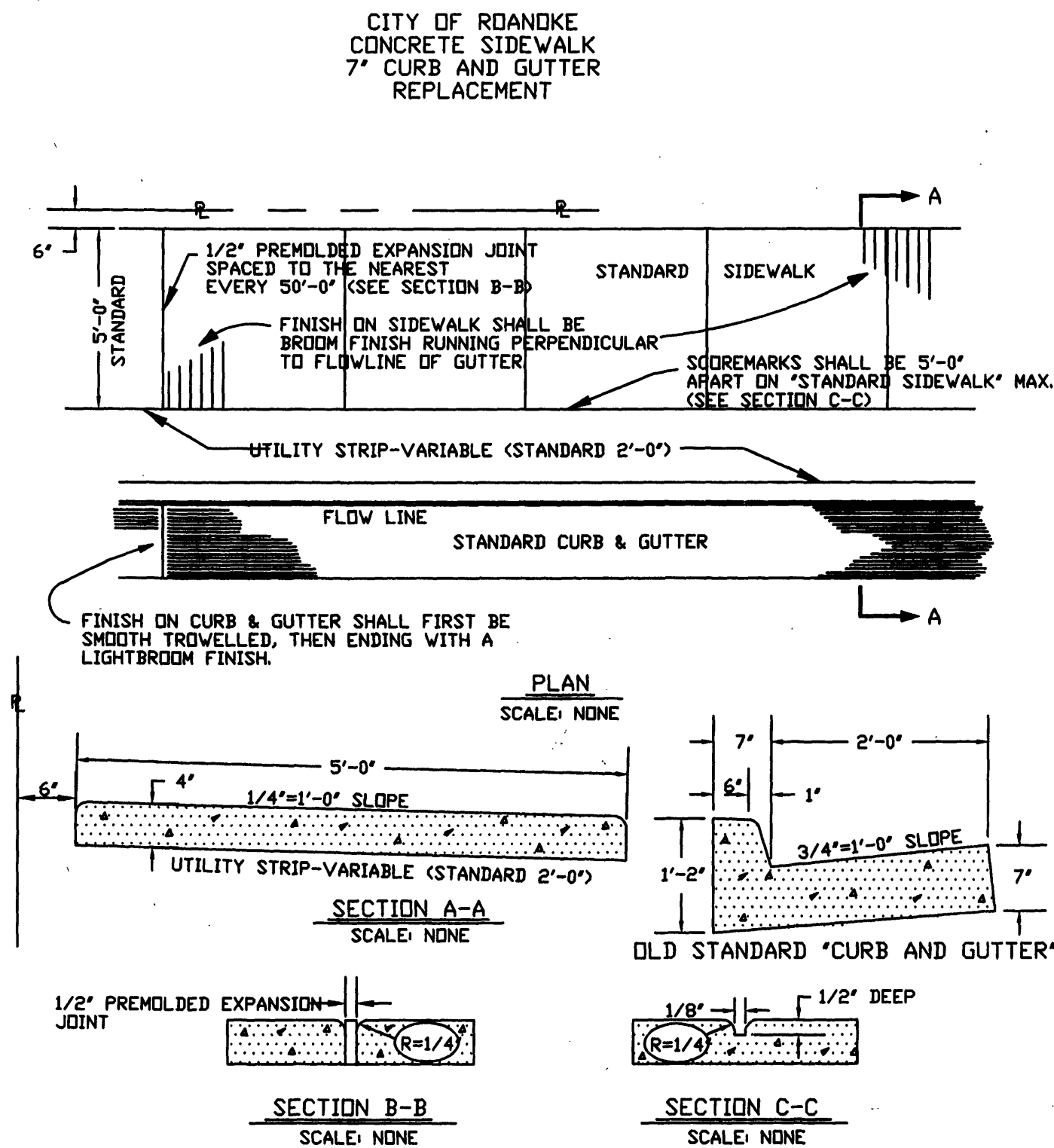


SPECIFICATIONS FOR CURB & GUTTER AND ENTRANCE WAYS

STANDARD NOTES:

1. WORK SHALL NOT COMMENCE IN ANY PUBLIC RIGHT-OF-WAY BEFORE APPROVAL BY AN INSPECTOR AND A PERMIT IS OBTAINED FROM THE BUILDING INSPECTION DEPARTMENT.
2. NOTIFY CONSTRUCTION INSPECTOR'S OFFICE AT 981-2856 24 HOURS BEFORE WORK BEGINS.
3. DO NOT POUR CONCRETE BEFORE FORMS ARE INSPECTED AND APPROVED BY AN INSPECTOR.
4. USE ONLY STANDARD METAL FORMS AS APPROVED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION. (WOOD FORMS WILL NOT BE PERMITTED)
5. JOINTS OR SCOREMARKS ARE TO BE SHARP AND CLEAN WITHOUT SHOWING EDGES OF JOINTING TOOL.
6. ALL RADIUS SHOWN SHALL BE 1/2" UNLESS OTHERWISE NOTED FOR PREMOLDED EXPANSION JOINT.
7. ALL CONCRETE SHALL BE CLASS A 3000 P.S.I.
8. CURB RADIUS (R) IS FROM BACK OF CURB AND GUTTER TO BACK OF SIDEWALK.

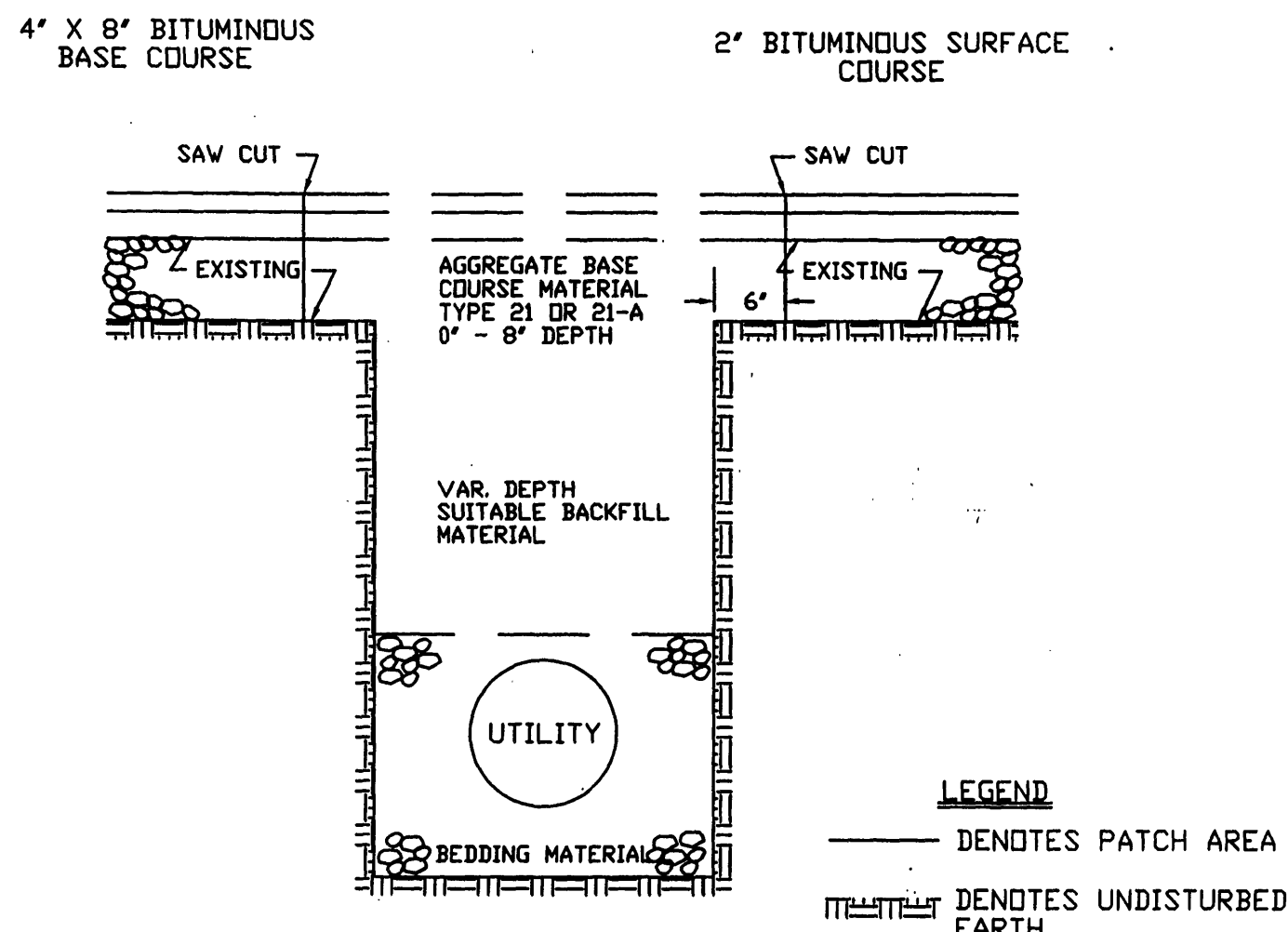


GENERAL NOTES:

1. All concrete shall be Class A 3000 p.s.i.
2. Spacing for Expansion Joints shall be the same for sidewalks as that for "Curb and Gutter."
3. Sidewalk Finish: Sidewalk shall be smooth trowelled, then ending with a "Light Broom Finish" unless otherwise noted.
4. When sidewalk abuts Curb or Building a 1/2" Premolded Expansion Joint is to be used.
5. Curing shall be accomplished by the use of a liquid membrane seal containing White Pigment, applied at the rate of one (1) gallon per 150 square feet.
6. All concrete "Curb and Gutter" and "Sidewalks" shall be constructed under the City of Roanoke's specifications and is to be in line and grade approved by the City Engineering Department.

NOTE: City of Roanoke 7" Curb and Gutter shall be used as Replacement of Existing Curb and Gutter where adjacent or existing 7" curb is present. All new Curb and Gutter shall be Standard CG-6 Virginia Department of Transportation Road and Bridge Standards.

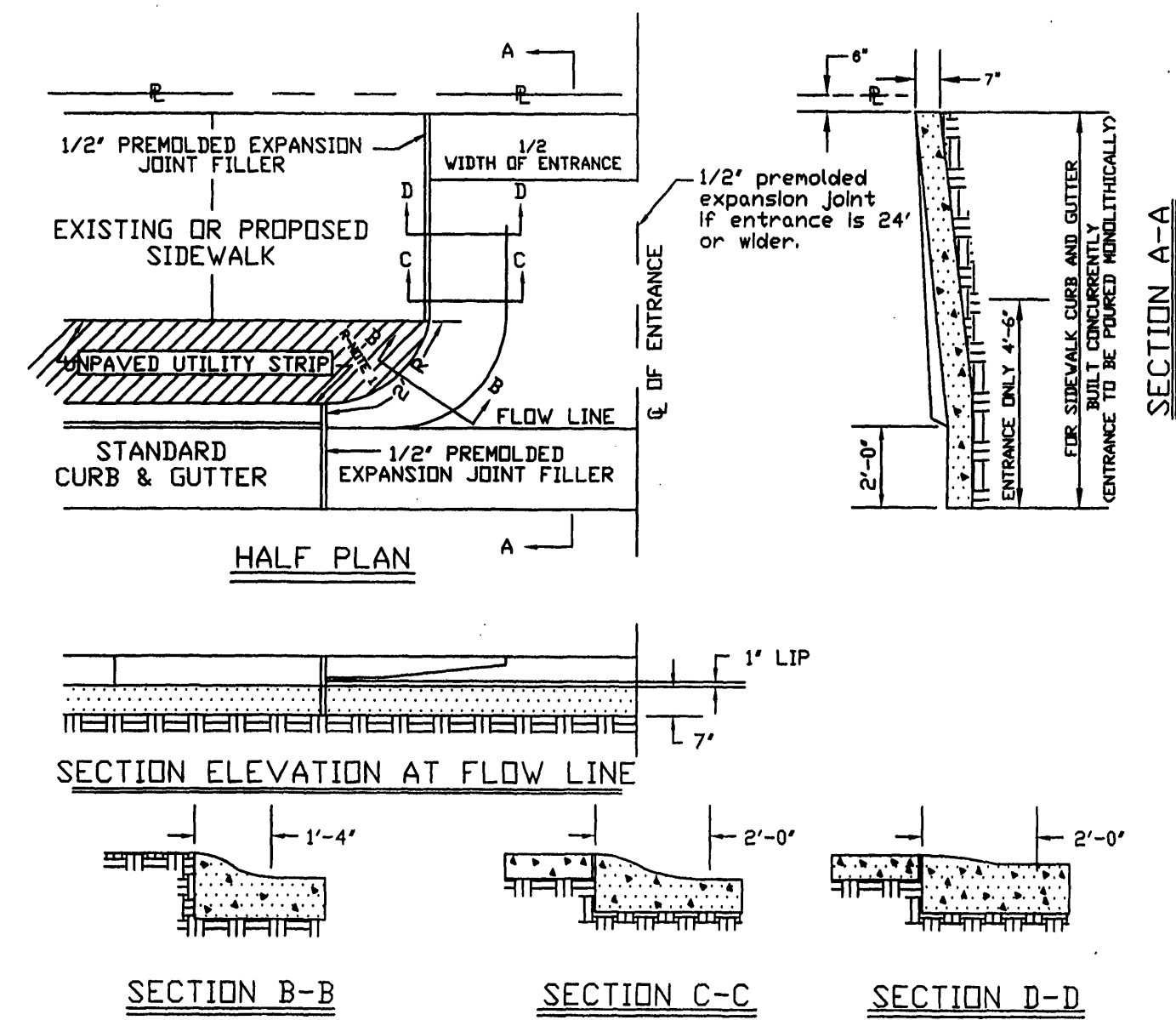
TYPICAL DETAIL PAVEMENT
CUTTING AND REPLACEMENT



NOTES:

1. Surface and base replacement will generally be required to match existing asphalt layers and shall be compacted in lifts according to Virginia Department of Transportation Road and Bridge Specifications.
2. Aggregate base material shall be replaced to a depth greater than existing stone base to ensure load bearing capacity of cut related to undisturbed earth areas. Aggregate base shall be compacted according to Virginia Department of Transportation Road and Bridge Specifications.
3. Bedding material shall be according to requirement of each utility (generally from bottom of repair ditch to six inches above pipe with minimum of four inches below pipe).
4. Saw cut to be made with mechanical saw and slides to be tacked with bituminous material type RC-250 or equal.
5. Street opening permit required before any work in public street right-of-way. Contact City Building Department for permit, Phone (981-2822).
6. Contact City Engineering Inspector 48 hours prior to beginning any work, Phone (981-2856)

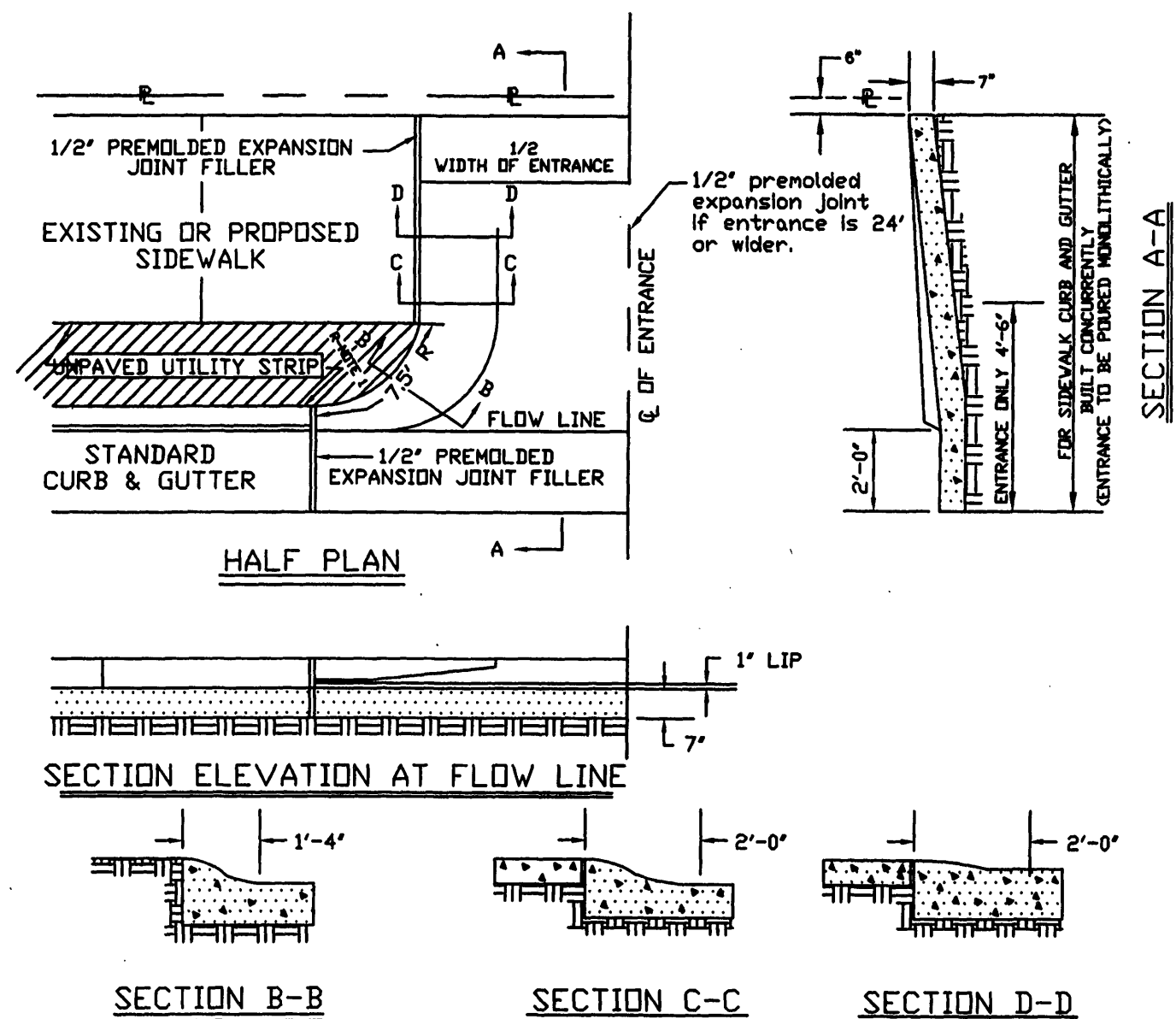
STANDARD
CITY OF ROANOKE
RESIDENTIAL ENTRANCE



GENERAL NOTES:

1. Standard residential "Entrance" shall have a curb radius (R) of 2 feet.
2. Minimum Entrance width to be 12 feet at P.T. of radius return.
3. Where curb & gutter already exists, both curb & gutter shall be removed. If proposed entrance falls within five (5) feet of an existing joint, removal & reconstruction shall be to that joint. Any concrete removed at other than an existing joint shall be cut with a mechanical saw specifically manufactured for that purpose; this also shall apply to street pavement.
4. Where sidewalk exists, or is to be constructed across driveways, the thickness thereof must correspond with the thickness of the entrance.
5. Whenever "Entrances" exceed twenty-four (24) feet in width a 1/2" preformed expansion joint filler shall be installed through the center perpendicular to flow line.
6. Finish "Entrances" shall have a "course broom finish" running parallel to flow line.
7. Curing shall be accomplished by the use of a liquid membrane seal containing white pigment applied at the rate of one (1) gallon per 150 square feet.
8. All "Entrance Ways" shall be constructed according to City of Roanoke specifications and to line and grades approved by the City Engineering Department.
9. Entrances exceeding 30 feet in width shall be approved by the City Manager.

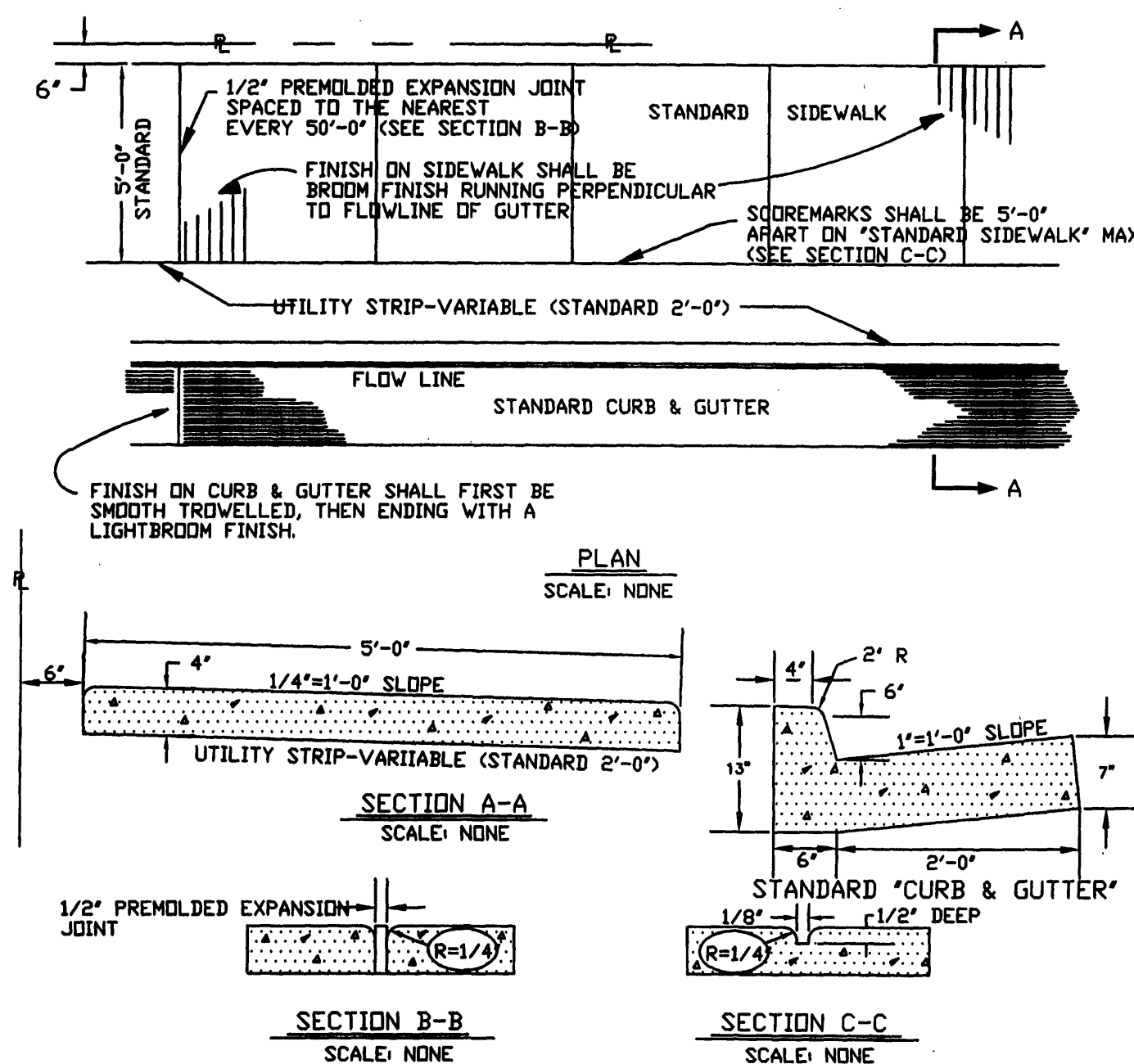
STANDARD
CITY OF ROANOKE
COMMERCIAL ENTRANCE



GENERAL NOTES:

1. Standard commercial "Entrance" shall have a minimum curb radius (R) of 7 1/2 feet.
2. Minimum Entrance width to be 12 feet.
3. Where curb & gutter already exists both curb & gutter shall be removed. If proposed entrance falls within five (5) feet of an existing joint removal & reconstruction shall be to that joint. Any concrete removed at other than an existing joint shall be cut with a mechanical saw specifically manufactured for that purpose; this also shall apply to street pavement.
4. Where sidewalk exists or is to be constructed across driveways the thickness thereof must correspond with the thickness of the entrance.
5. Whenever "Entrances" exceeds twenty-four (24) feet in width a 1/2" preformed expansion joint filler shall be installed through the center perpendicular to flow line.
6. Finish "Entrances" shall have a "course broom finish" running parallel to flow line.
7. Curing shall be accomplished by the use of a liquid membrane seal containing white pigment applied at the rate of one (1) gallon per 150 square feet.
8. All "Entrance Ways" shall be constructed according to City of Roanoke specifications and to line and grades approved by the City Engineering Department.
9. Entrances exceeding 30 feet in width shall be approved by the City Manager.

CITY OF ROANOKE
CONCRETE SIDEWALK
6" CURB AND GUTTER
NEW

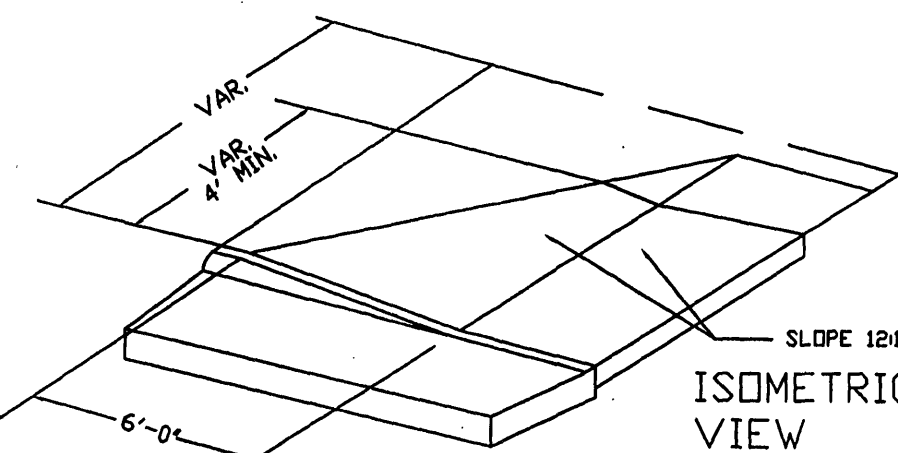
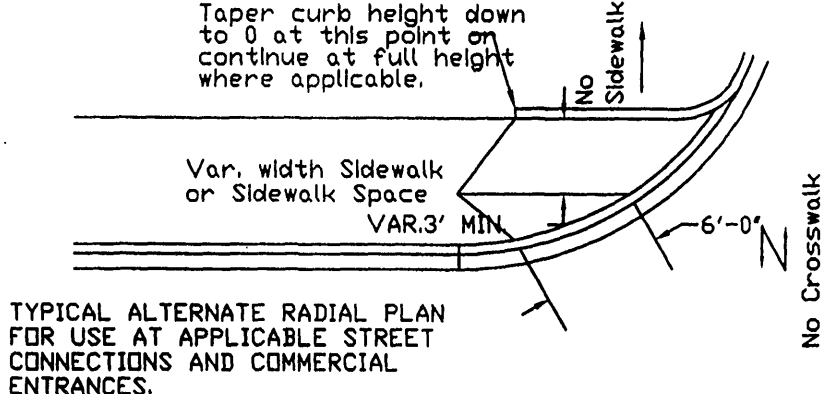
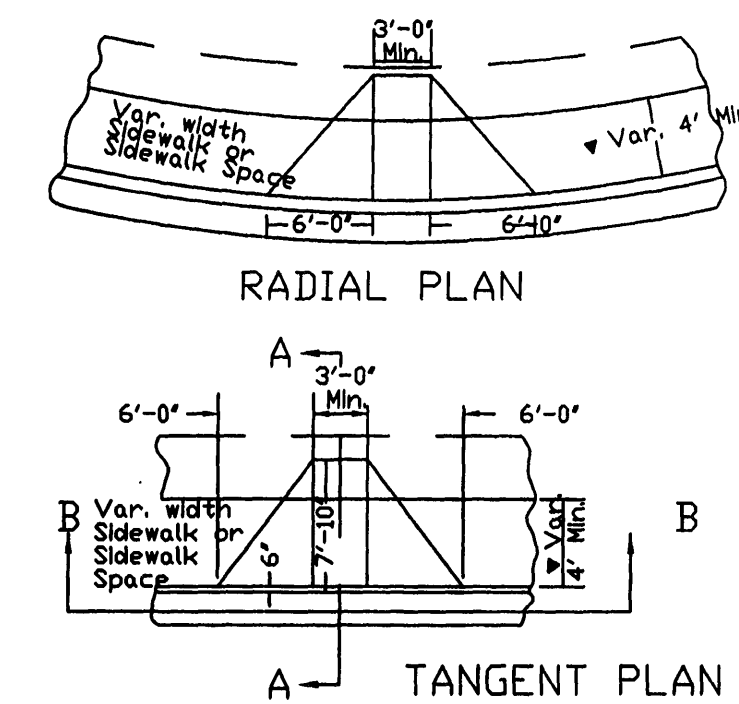


GENERAL NOTES:

1. All concrete shall be Class A 3000 p.s.i.
2. Spacing for Expansion Joints shall be the same for sidewalks as that for "Curb and Gutter."
3. Sidewalk Finish: Sidewalk shall be smooth trowelled, then ending with a "Light Broom Finish" unless otherwise noted.
4. When sidewalk abuts Curb or Building a 1/2" Premolded Expansion Joint is to be used.
5. Curing shall be accomplished by the use of a liquid membrane seal containing White Pigment, applied at the rate of one (1) gallon per 150 square feet.
6. All concrete "Curb and Gutter" and "Sidewalks" shall be constructed under the City of Roanoke's specifications and is to be in line and grade approved by the City Engineering Department.

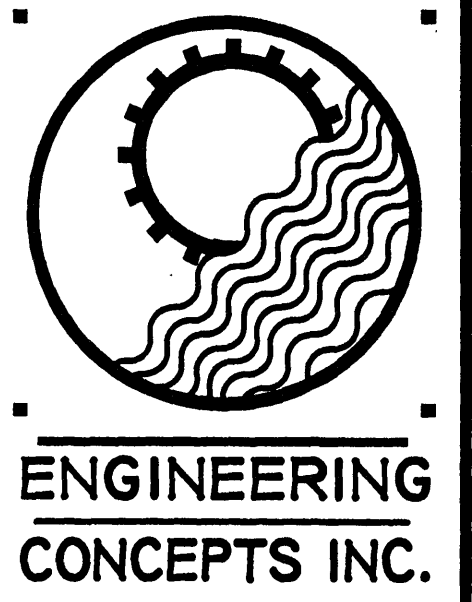
NOTE: City of Roanoke 6" Curb and Gutter shall be used as Replacement of Existing Curb and Gutter where adjacent or existing 7" curb is present. All new Curb and Gutter shall be Standard CG-6 Virginia Department of Transportation Road and Bridge Standards.

CURB RAMP
(PERSONS WITH MOBILITY IMPAIRMENTS)



Notes:

1. All concrete to class A-3 with non-skid finish. Ramp shall not exceed a maximum slope of 1:12.
2. Curb ramps are to be located as shown on the plans or as directed by the Engineer. They are to be provided at intersections wherever an accessible route is required. If a sidewalk is existing, proposed or non-existent, they may be offset from pedestrian crosswalks as shown on plans or as directed by Engineer, but should not be located behind vehicle stop lines, existing light poles, fire hydrants, drop inlets, etc. When used in conjunction with Standard CG-3 or CG-7, the curb face on this Standard is to be adjusted to match the mountable curb configuration.
3. Treatments where width of sidewalk or sidewalk space is less than 7'-4".
4. Accessible route is defined as a continuous unobstructed, stable, firm and slip resistant path connecting all accessible elements of a facility that can be approached, entered and used by persons with mobility impairments.



DESIGNED

DRAWN

CHECKED JDE/LWW

APPROVED LWW

SCALE NONE

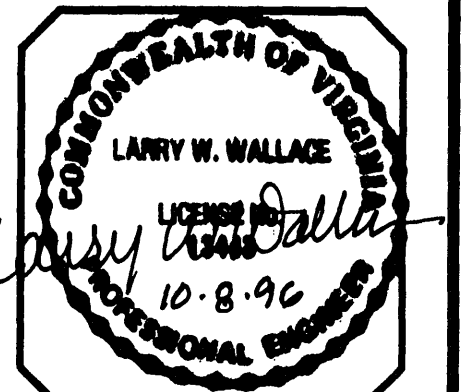
DATE JUNE 96

PROJECT 96048

REVISIONS

NO.	DATE	BY

LOCUST GROVE
MISCELLANEOUS DETAILS
ROANOKE, VIRGINIA



SHEET NO.

10

OF 11