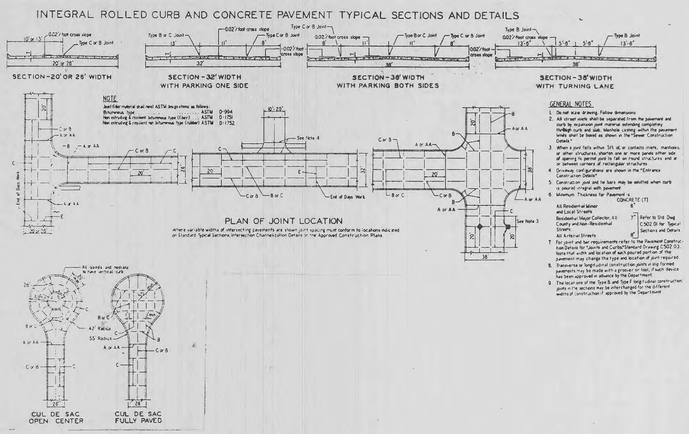
SPRING HILL
CONSTRUCTION DETAILS

REVISED DEC 11, 1992

INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS



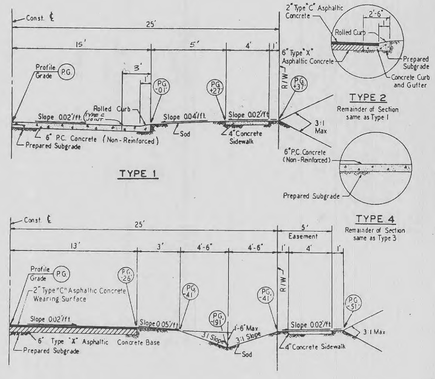
NOTE
Joint filler material shall meet ASTM requirements as follows:
Bituminous Type ..... ASTM D-994
Non-extruding & resilient bituminous type (Fiber) ..... ASTM D-1751
Non-extruding & resilient bituminous type (rubber) ASTM D-1752

GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. All street inlets shall be separated from the pavement and curb by expansion joint material extending completely thru the curb and gutter. Manhole casting within the pavement area shall be boxed as shown in the "Sewer Construction Details".
3. When a joint falls within 3ft. of, or contacts inlets, manholes or other structures, shall be set on more points within side of opening to permit joint to fall on inland structures and at or between corners of rectangular structures.
4. Driveway curb gutter aprons are shown in the "Entrance Construction Details".
5. Construction joint and tie bars may be omitted when curb is poured integral with pavement.
6. Minimum Thickness for Pavement & CONCRETE (T)

All Residential Minor and Local Streets	6"
Residential Major Collector, All County and Non-Residential Streets	7" Refer to Std. Dwg C502.01 for Typical Sections and Details
All Arterial Streets	8"

7. For joint and bar requirements refer to the Pavement Construction Details for Integral Rolled Curb and Concrete Pavement C502.03. Note that width and location of each poured portion of the pavement may change the type and location of joint required.
8. Transverse or longitudinal construction joints in any formed pavements may be made with a grooved or tool, if such device has been approved in advance by the Department.
9. The last pour of the Type B and Type E longitudinal construction joints may be omitted when changing to the different widths of "construction" approved by the Department.

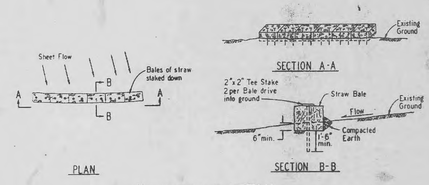
TYPE 1 / TYPE 2 / TYPE 3 / TYPE 4



GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Sections are symmetrical about construction centerline.
3. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the "Pavement Construction Details for Joints and Curbs," Standard Drawing C502.03.
4. All necessary pavement markings by St. Louis County.
5. Sections shown may not apply at inter sections.
6. For details on an inlet structure in a ditch refer to the Sewer Construction Details for "Grate Inlet in Ditch," Standard Drawing C604.33.
7. Sidewalk thickness increases to 6" thru Private Driveways and 7" thru Commercial Driveways See "Entrance Construction Details".
8. Easements when required shall be established as a "Permanent Roadway Improvement, Maintenance, Utility, Sewer and Sidewalk Easement" and dedicated to St. Louis County

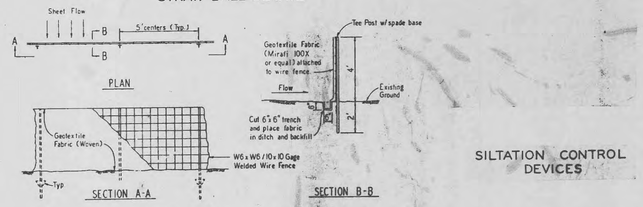
RESIDENTIAL
50' R/W 26' PAVT.

STRAW BALE DETAIL

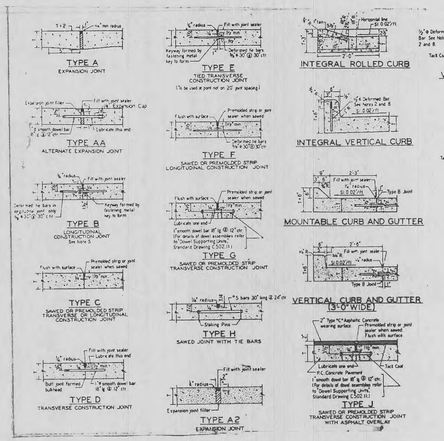


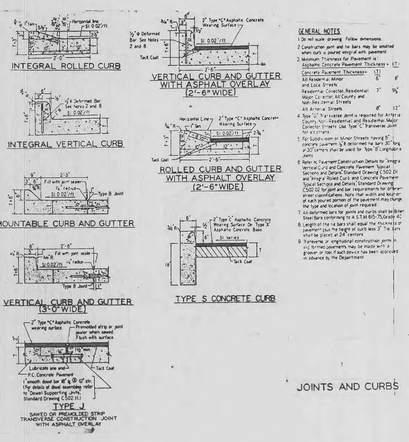
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Additional straw bales may be required as directed by the Department.
3. Siltation Control Devices to remain in place until adequate vegetative growth insures no further erosion of the soil.
4. Siltation Fences shall be inspected periodically for damage and for the amount of sedimentation which has accumulated. Removal of sediment will be required when it reaches 1/2 of the height of the siltation fence.
5. Straw Bales shall be inspected periodically for deterioration. Bales which have rotted or failed shall be replaced as directed by the Department.
6. Attachment of Welded Wire Fence and Geotextile Fabric to be in accordance with the manufacturer's recommendation.

SILTATION FENCE DETAIL



SILTATION CONTROL DEVICES





GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Construction joint and tie bars may be omitted when curb is poured integral with pavement.
3. Minimum Thickness for Pavement & Concrete Pavement Thickness - (T)

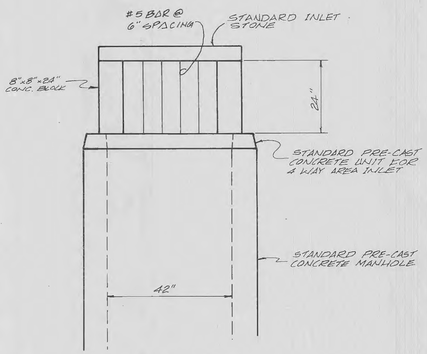
All Residential Minor and Local Streets	6"
Residential Major Collector, All County and Non-Residential Streets	7"
All Arterial Streets	8"

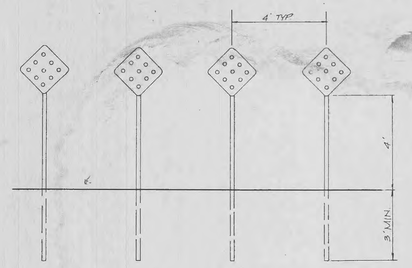
4. Type "S" for median barrier curb is required for Arterial County Non-Residential and Residential Major Collector Streets. Use Type "C" for transverse joint for entrances.
5. For Subdivision or Minor Streets having 6" concrete pavement, 1/2" deformed tie bar 30" long at 30" centers shall be used for Type "B" Longitudinal joints.
6. Refer to Pavement Construction Details for "Integral Rolled Curb and Concrete Pavement" Standard Drawing C502.01 and "Integral Rolled Curb and Concrete Pavement Special Design and Details" Standard Drawing C502.02 for joint and bar requirements and curb dimensions. Note that width and location of each poured portion of the pavement may change the type and location of joint required.
7. Tie bar/dowel bars for joints and curb shall be Deformed Bars conforming to ASTM A-615 Grade 40, Fy 40,000 PSI.
8. Where curb is placed on a fill slope the thickness of pavement plus the height of curb less 2" for bars shall be placed at 24" centers.
9. Transverse or longitudinal construction joints in any formed pavements may be made with a grooved or tool, if such device has been approved in advance by the Department.

JOINTS AND CURBS

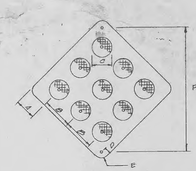
OVERFLOW STRUCTURE

N.T.S.



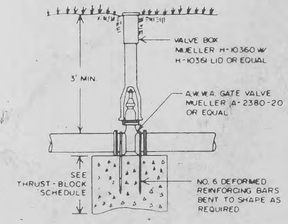


TYPE II OBJECT MARKER MOUNTING
N.T.S.



a	B	C	D	E	F
3/4"	5"	9"	1"	18"	22"

BARRICADE DETAIL



GATE VALVE W/ THRUST-BLOCK DETAIL

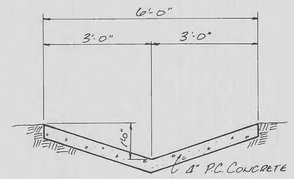
NO SCALE

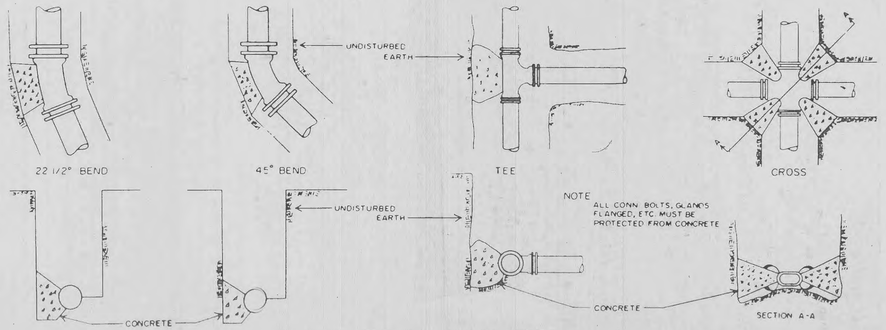
MAIN SIZE	MIN. THRUSTBLOCK BEARING DIMENSIONS TO BEAR AGAINST UNDISTURBED EARTH				
	45° BEND	22 1/2° BEND	TEE	VALVE	CROSS
2"	.5'X1'	.5'X1'	.5'X1'	.5'X1'	.5'X1'
4"	1'X1'	1'X1'	2'X1'	2'X1'	1'X1'
6"	1.5'X1'	1'X1'	2'X1'	2'X1'	1'X1'
8"	2'X1'	1'X1'	2'X2.5'	2'X2'	1'X1.5'
10"	2'X2.5	1.5'X2'	2'X3.5'	2'X3'	2'X2'

THRUST-BLOCK SCHEDULE

PAVED SWALE

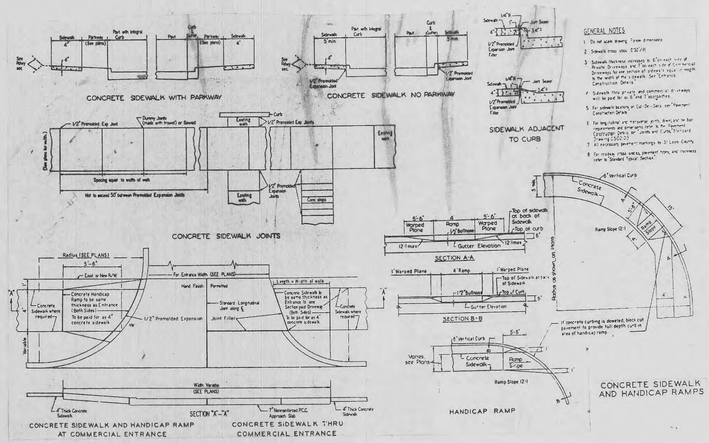
N.T.S.

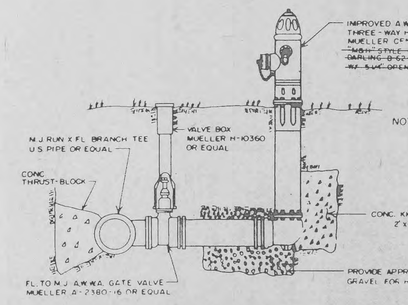




TYPICAL THRUST-BLOCK DETAIL

NO SCALE





FIRE HYDRANT INSTALLATION DETAIL

NO SCALE

16/19