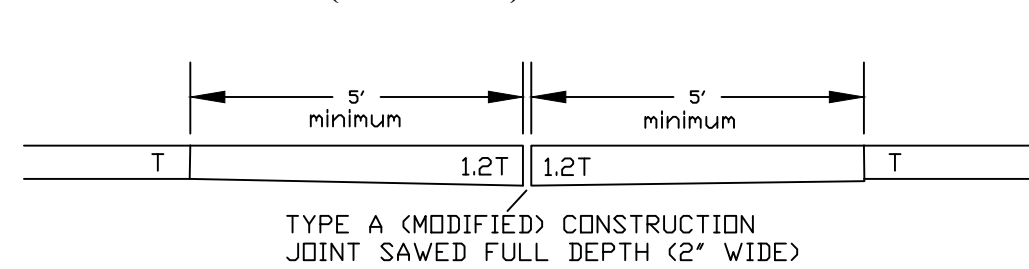


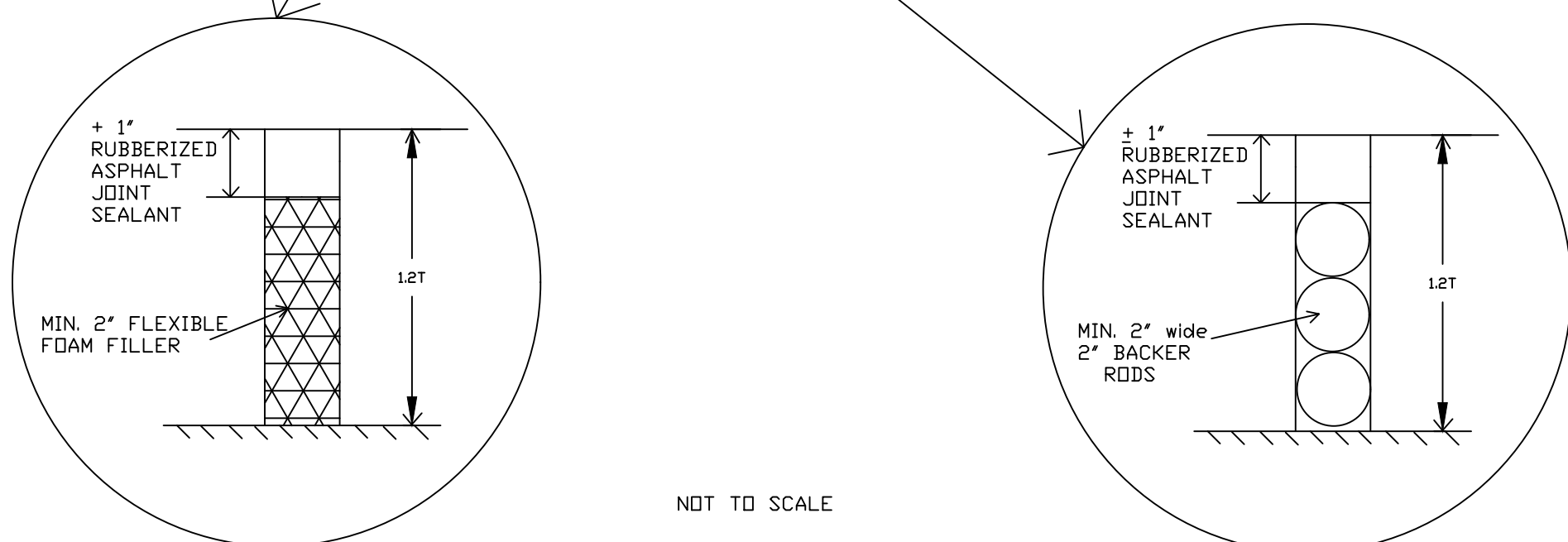
TYPE A (MODIFIED) CONSTRUCTION JOINT



JOINT LOCATION

AT PC AND PT OF CURVED PAVEMENT, MAXIMUM 500 FT SPACING ON TANGENT SECTIONS, AND AS DIRECTED ON INTEGRAL CURB PAVEMENT TYPICAL SECTIONS AND DETAILS.

JOINT DETAILS



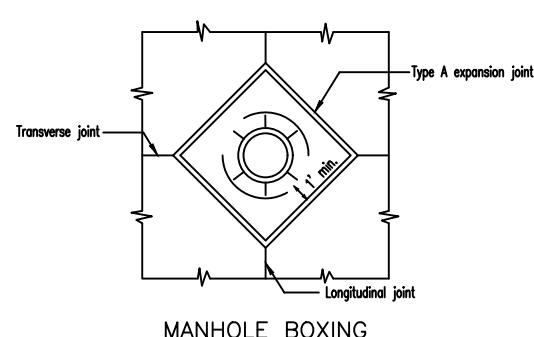
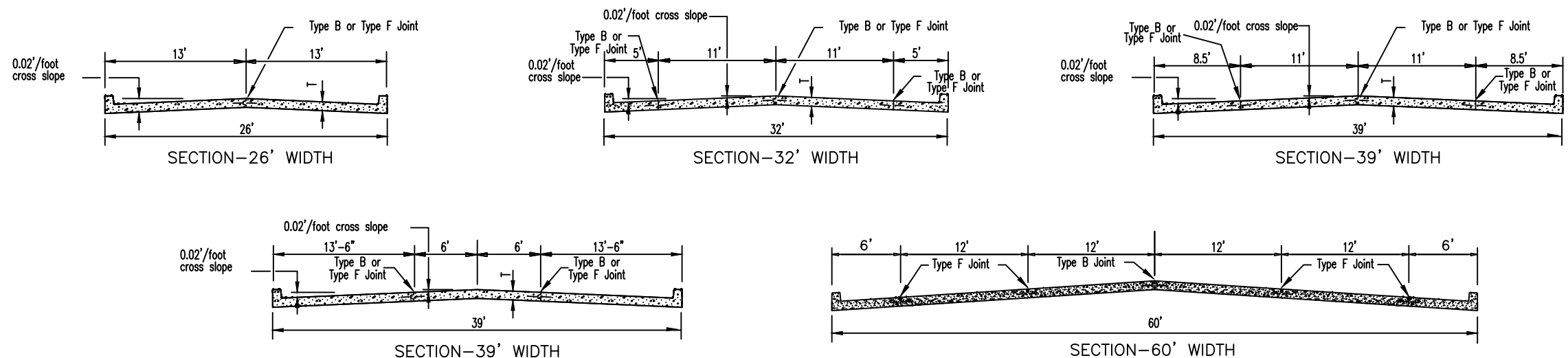
NOT TO SCALE

NOTES:

1. THE NUMBER OF BACKER RODS REQUIRED WILL VARY WITH THE PAVEMENT THICKNESS. BACKER RODS AND FLEXIBLE FOAM FILLER MUST EXTEND THROUGH THE FULL DEPTH OF THE PAVEMENT.
2. JOINT FILLER SHALL BE A FLEXIBLE, NONABSORBENT, NON-GASSING, NON-STAINING, NON-SHRINKING MATERIAL, EXTRUDED FROM A CLOSED-CELL POLYMER, ASTM D-5249.
3. JOINT FILLER COMPOSED OF CELLULAR FIBERS, ASTM D-1751, MAY BE USED AT DRIVEWAY, SIDEWALK, AND SEWER INLET AND MANHOLE LOCATIONS.
4. SEE "INTEGRAL CURB DETAIL "B" AT DRIVEWAYS" FOR EXPANSION JOINT REQUIREMENTS AT DRIVEWAY CONNECTIONS TO THE STREET AND THE GARAGE.

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI
**PAVEMENT CONSTRUCTION
DETAIL**

INTEGRAL VERTICAL CURB AND CONCRETE JOINT DETAILS



PLAN OF JOINT LOCATION

Where variable width of intersecting pavements are shown, joint spacing must conform to locations indicated on Standard Typical Sections, Intersection Characterization Details or the Approved Construction Plans.

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All steel inserts shall be separated from the pavement and curb by expansion joint material extending completely through curb and base. Machine controls within the pavement finish shall be based on street.
3. When a joint falls within 5ft. of or contacts inlets, manholes, or other structures, shorten one or more points either side of opening to permit joint to fall on rigid structure and at or between corners of rectangular structures.
4. Driveway configurations are shown in the "Entrance Construction Details".
5. Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
6. Minimum Thickness for Pavement is:

PAVEMENT (1)	
All Arterial Streets	1"
All Non-Residential Streets	8"

7. Refer to Pavement Construction Details for joints and curb requirements. Note that width and location of each poured portion of the pavement may change the type and location of joints required.
8. The locations of the Type B and Type F longitudinal construction joints in the sections may be interchanged for different widths of construction if approved by the Department.
9. All 1" smooth dowel bars 18" x 12" cts. shall be epoxy coated.

NOTE

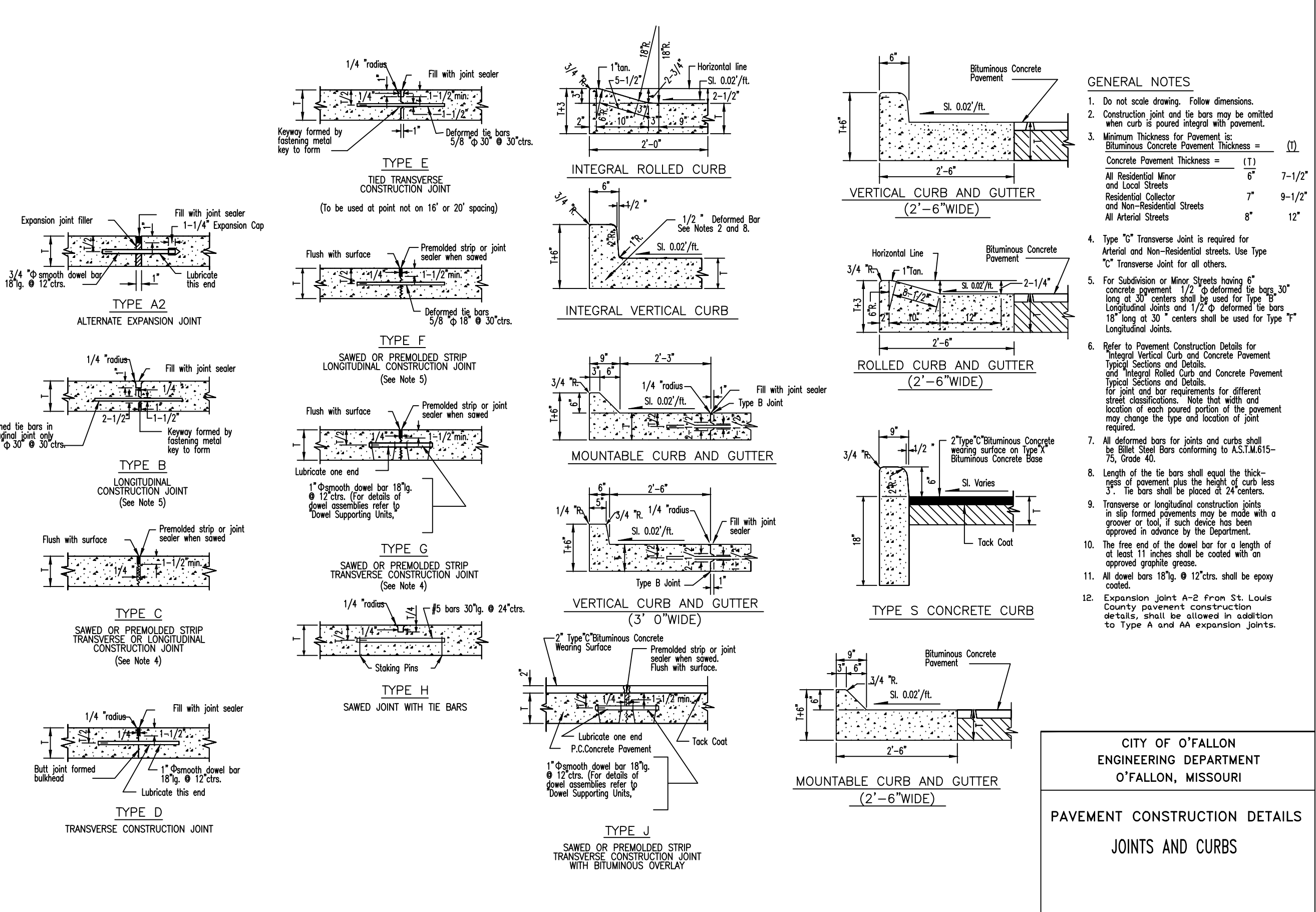
Joint filler material shall meet ASTM designations as follows:
 Bituminous type ASTM D-3465
 Non extruding & resilient bituminous type (Rubber) ASTM D-1190-74
 Non extruding & resilient non bituminous type (rubber) ASTM D-5249

NOTE

Joint sealant material shall meet ASTM and AASHTO designations as follows:
 ASTM D-3465 AASHTO M-301 or
 ASTM D-1190-74 AASHTO M-173-54
 or latest revisions thereof.

JOINT REQUIREMENTS FOR CONCRETE PAVEMENT		
STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
All Arterial, Non-Residential Streets	Transverse	1" smooth dowel bars 18" x 12" cts.
	Longitudinal	At the edge between two poured sections: Type F 5/8" smooth dowel bars 18" x 30" cts. Type B 5/8" deformed tie bars 30" x 30" cts.
26'-51' wide pavement	Expansion	Type A or Type A Modified
7'-8" thick concrete		Type A or Type A Modified

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI
**PAVEMENT CONSTRUCTION DETAILS
INTEGRAL VERTICAL CURB
AND CONCRETE PAVEMENT
TYPICAL SECTIONS AND DETAILS**



- 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 is:

PAVEMENT (1)	
All Residential Minor and Local Streets	6"
Residential Collector and Non-Residential Streets	7"
All Arterial Streets	8"
 4. Type "C" Transverse joint is required for Arterial and Non-Residential streets. Use Type "C" Transverse joint for all others.
 5. For Subdivision or Muni Streets having 6" concrete pavement, 1 1/2" deformed tie bars 30" long at 30" centers shall be used for Type "C" Longitudinal joints and 1 1/2" deformed tie bars 18" long at 30" centers shall be used for Type "C" Longitudinal joints.
 6. Refer to Pavement Construction Details for Integral Vertical Curb and Concrete Pavement Typical Sections and Details. Note that width and location of each poured portion of the pavement may change the type and location of joint required.
 7. All deformed bars for joints and curbs shall be steel deformed bars conforming to A.S.T.M. A615-70, Grade 40.
 8. Length of the tie bars shall equal the thickness of pavement plus the height of curb less 3". Tie bars shall be placed at 24" centers.
 9. Transverse or longitudinal construction joints in slip formed pavements may be made with a groove or lock, if such device has been approved in advance by the Department.
 10. The free end of the dowel bar for a length of at least 11 inches shall be coated with an approved asphalt grease.
 11. All dowel bars 18" x 12" cts. shall be epoxy coated.
 12. Expansion joint A-2 From St. Louis County pavement construction details, shall be allowed in addition to Type A and AA expansion joints.

CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI
**PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS**

ENGINEER SEAL DOES NOT APPLY TO THE CITY OF O'FALLON DETAILS

PROJECT TITLE:
CONSTRUCTION PLANS FOR
Scrubles Car Wash
Highway K
O'Fallon, MO 63368

**ENGINEERING
PLANNING
SURVEYING**

221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 636-928-1718

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project.

REVISIONS

08-03-23	FORCE MAIN
09-13-23	CONTRACTOR/PWSD COMMENTS
09-27-23	CITY PLACE RETAINING WALL
10-26-23	CITY COMMENTS
11-08-23	PAY CANOPY REV.
12-06-23	CITY COMMENTS
12-13-23	PWSD COMMENTS
12-18-23	MODOT COMMENTS
01-10-24	LIGHT STANDARDS

Developer / Owner:
Tifton Car Wash, L.L.C.
P.O. Box 7726
Tifton, GA 31793
(229) 520-2244

P+Z No. 22-007743
Approved: 10-06-22
City No. #

CONSTRUCTION DETAILS

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CONSTRUCTION DETAILS

Issue Date: 07/21/2023