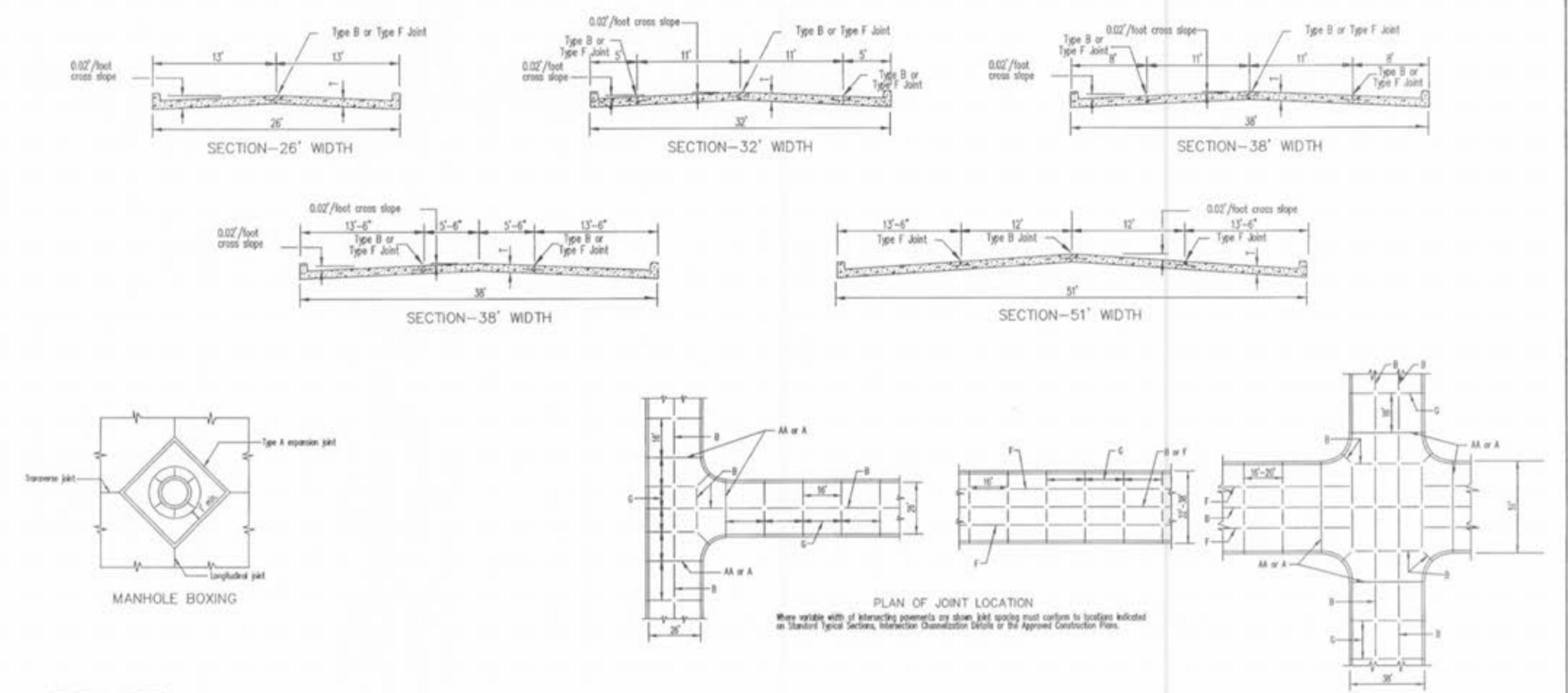


INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS



GENERAL NOTES

- Do not scale drawing. Follow dimensions.
- All street inlets shall be separated from the pavement and curb by expansion joint material extending completely through curb and slab. Mortise castings within the pavement limits shall be fixed in place.
- When a joint falls within 5ft. of, or contacts inlets, manholes, or other structures, shorten one or more panels either side of opening to permit joint to fall on rigid structures and at or between centers of rectangular structures.
- Spacing configurations are shown in the "Inlet Construction Details".
- Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
- Minimum thickness for Pavement is:

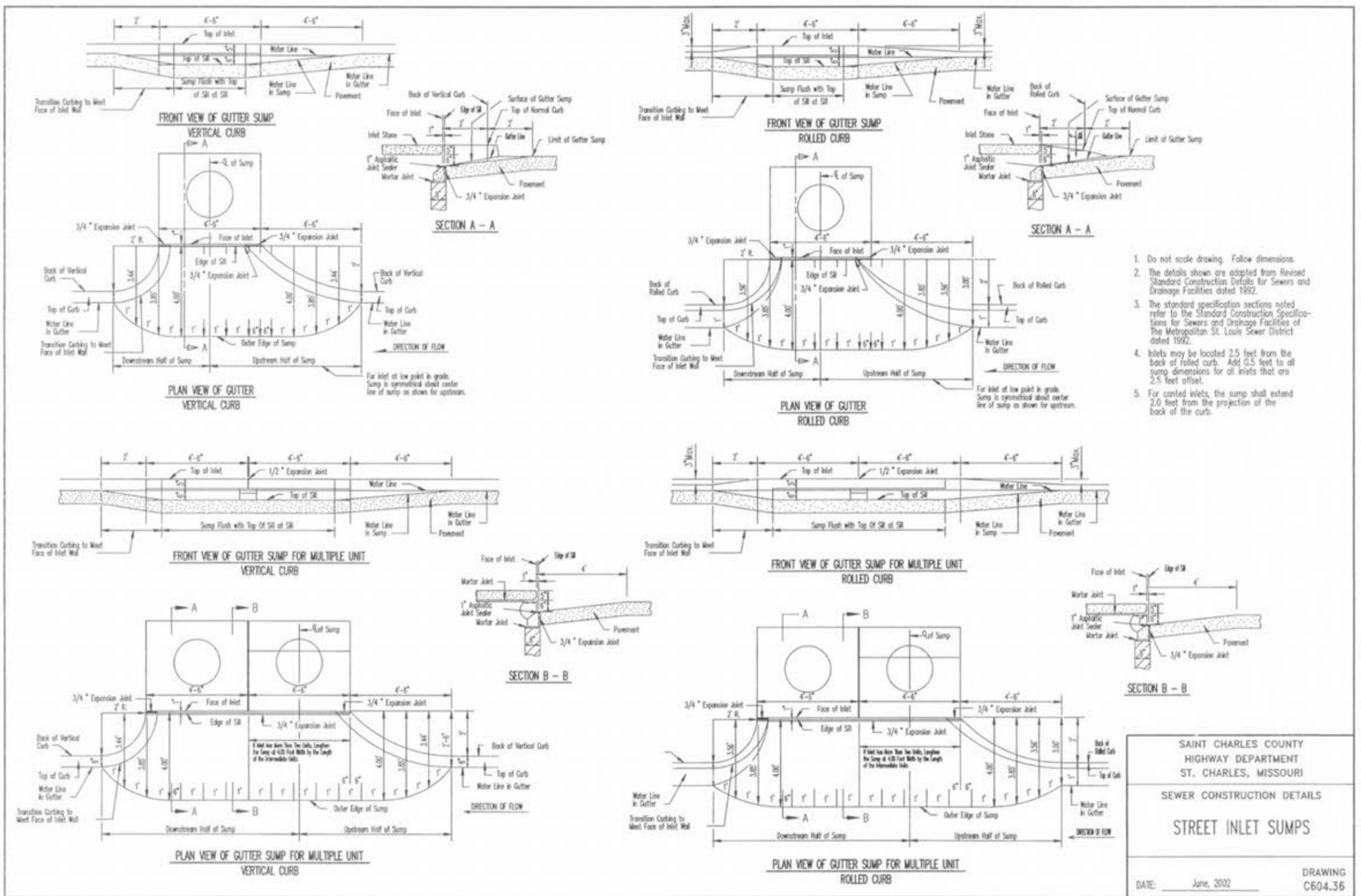
All Non-Residential Streets	1"
All Arterial Streets	8"
- Refer to "Pavement Construction Details" for joint and bar requirements. Note that width and location of each paved portion of the pavement may change the type and location of joints required. See Std. Dwg. C502.03.
- Transverse or longitudinal 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.
- 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.
- 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-694-S1
 Non extruding & resilient bituminous type (bar) ASTM D-1751-S07
 Non extruding & resilient non bituminous type (rubber) ASTM D-5249

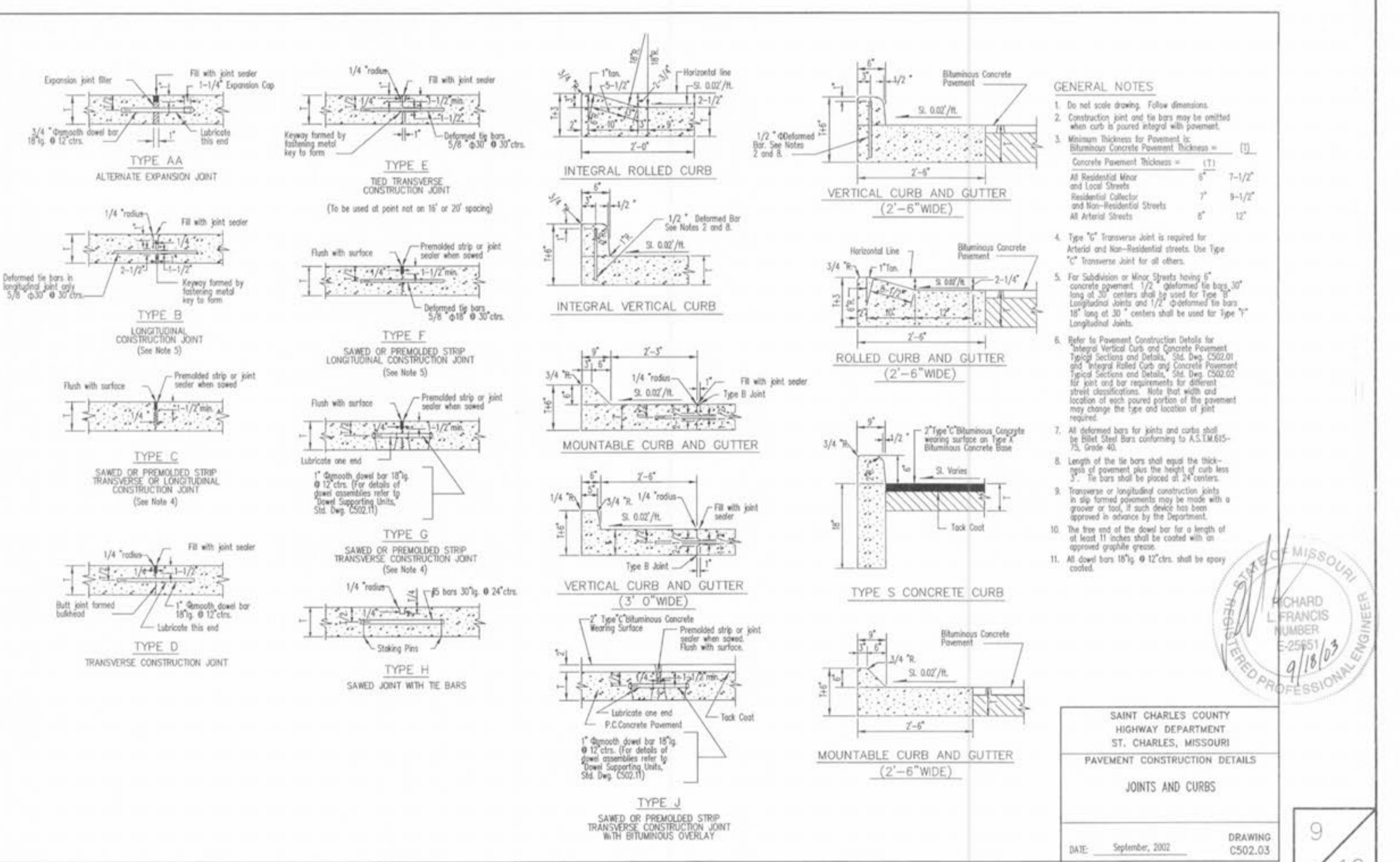
NOTE
 Joint sealant material shall meet ASTM and AASHTO designations as follows:
 ASTM D-3405 AASHTO M-301 or
 ASTM D-1190-74 AASHTO M-173-04
 or latest revisions thereof.

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS	
		TRANSVERSE	LONGITUDINAL
All Arterial, Non-Residential	Transverse	Type C 1/2" smooth dowel bars 18" x 12" cts.	Type F 1/2" smooth dowel bars 18" x 12" cts.
26"-51" wide pavement	Longitudinal	At the edge between two panels section: Type F 1/2" x 1/2" x 1/2" x 1/2" cts.	At the edge between two panels section: Type F 1/2" x 1/2" x 1/2" x 1/2" cts.
		At the edge between two panels section: Type F 1/2" x 1/2" x 1/2" x 1/2" cts.	At the edge between two panels section: Type F 1/2" x 1/2" x 1/2" x 1/2" cts.
7'-8" wide concrete	Expansion	Type AA 3/4" x 1/2" smooth dowel bars 18" x 12" cts.	

SAINT CHARLES COUNTY HIGHWAY DEPARTMENT
 ST. CHARLES, MISSOURI
 PAVEMENT CONSTRUCTION DETAILS
INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT
 TYPICAL SECTIONS AND DETAILS
 DATE: October, 2002 DRAWING C502.01



SAINT CHARLES COUNTY HIGHWAY DEPARTMENT
 ST. CHARLES, MISSOURI
 SEWER CONSTRUCTION DETAILS
STREET INLET SUMPS
 DATE: June, 2002 DRAWING C604.36



GENERAL NOTES

- Do not scale drawing. Follow dimensions.
- Construction joint and tie bars may be omitted when curb is poured integral with pavement.
- Minimum thickness for Pavement to Bituminous Concrete Pavement Thickness = (1) Concrete Pavement Thickness = (1) 7'-1/2" All Residential Minor and Local Streets 8" Residential Collector and Non-Residential Streets 8" Arterial Streets 12"
- Type "C" Transverse joint is required for Arterial and Non-Residential streets. Use Type "E" Transverse joint for all others.
- For Subdivision or Minor Streets having 1/2" concrete pavement, 1/2" galvanized tie bars 30" long at 30" centers shall be used for Type "C" Longitudinal joints and 1/2" galvanized tie bars 18" long at 30" centers shall be used for Type "E" Longitudinal joints.
- Refer to "Pavement Construction Details" for "Integral Vertical Curb and Concrete Pavement" typical sections and details. Std. Dwg. C502.01 and "Integral Rolled Curb and Concrete Pavement" typical sections and details. Std. Dwg. C502.02 for joint and bar requirements for different street classifications. Note that width and location of each paved portion of the pavement may change the type and location of joint required.
- All dowel bars for joints and curbs shall be Billet Steel Bars conforming to A.S.T.M. A615-75, Grade 60.
- Length of the tie bars shall equal the thickness of pavement plus the height of curb bars. Tie bars shall be placed at 24" centers.
- 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.
- The free end of the dowel bar for a length of at least 11 inches shall be coated with an approved graphic grease.
- All dowel bars 18" x 12" cts. shall be epoxy coated.

SAINT CHARLES COUNTY HIGHWAY DEPARTMENT
 ST. CHARLES, MISSOURI
 PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS
 DATE: September, 2002 DRAWING C502.03

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