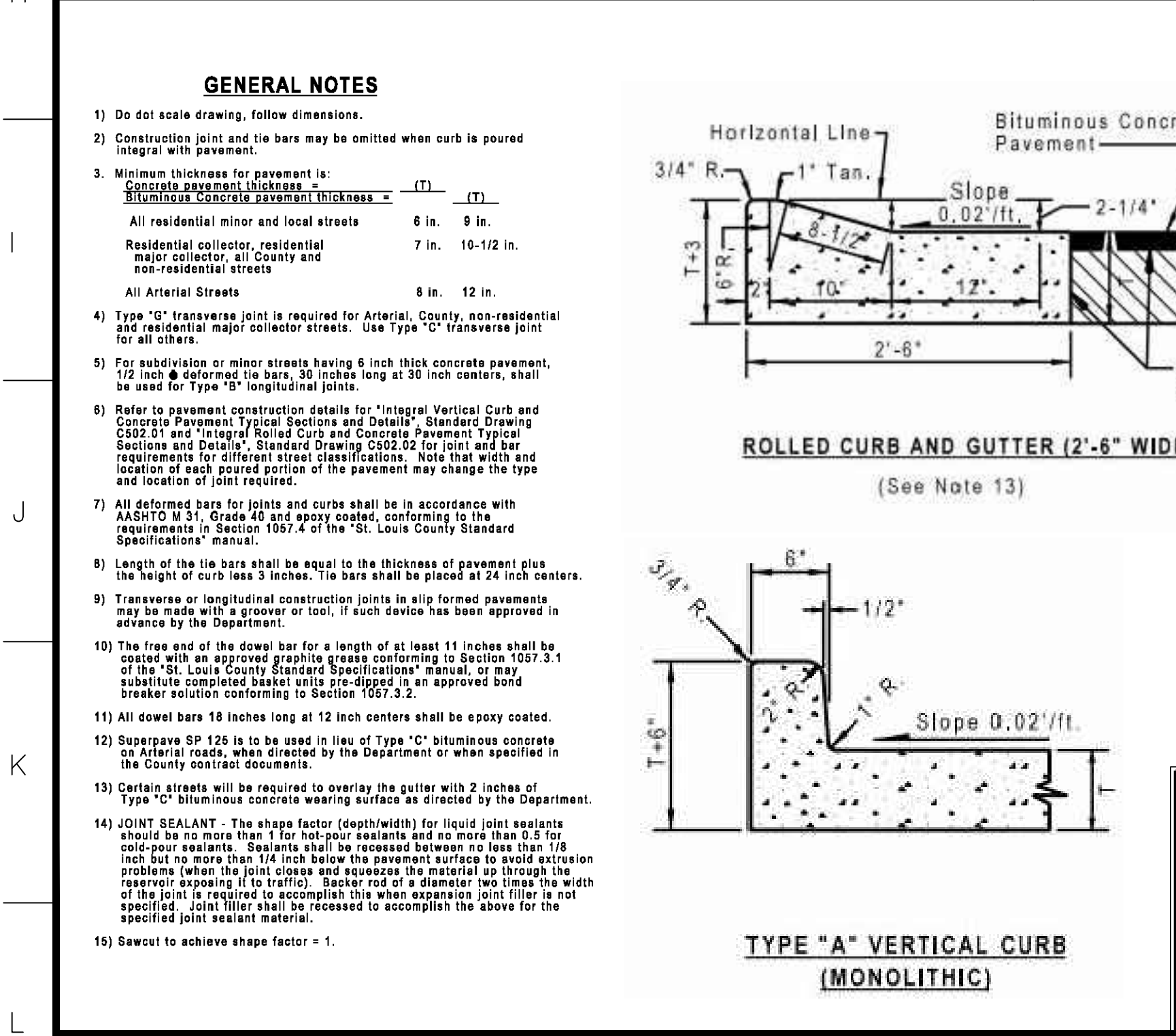
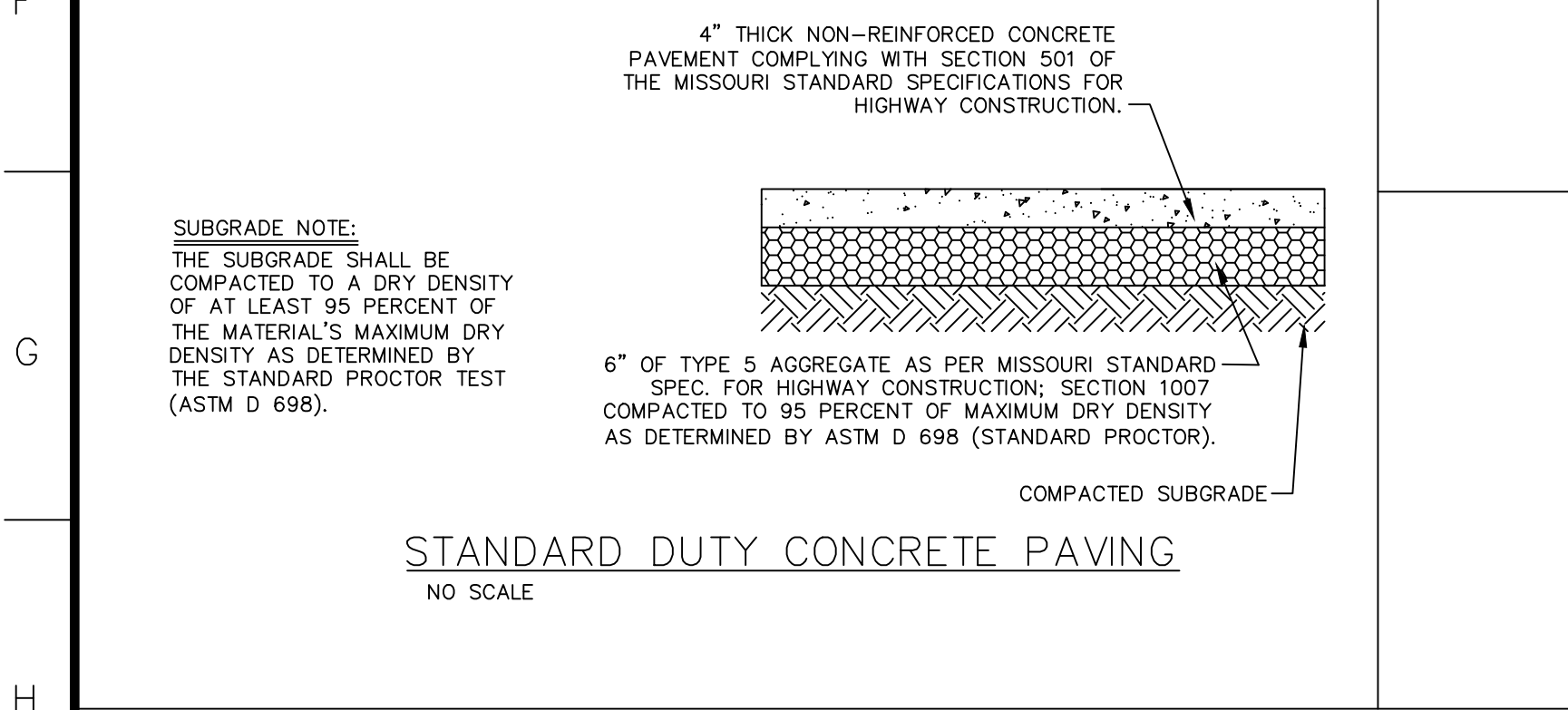
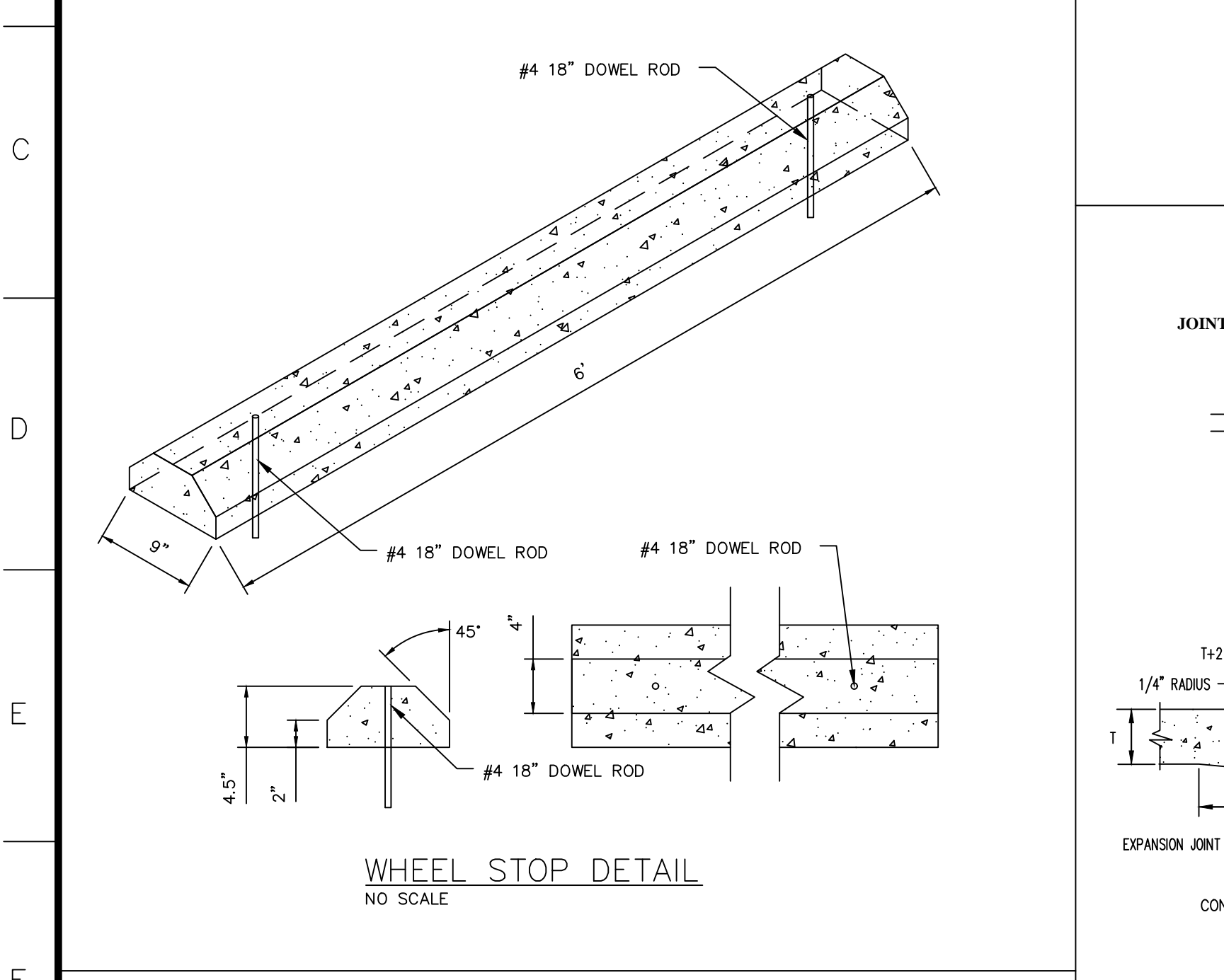
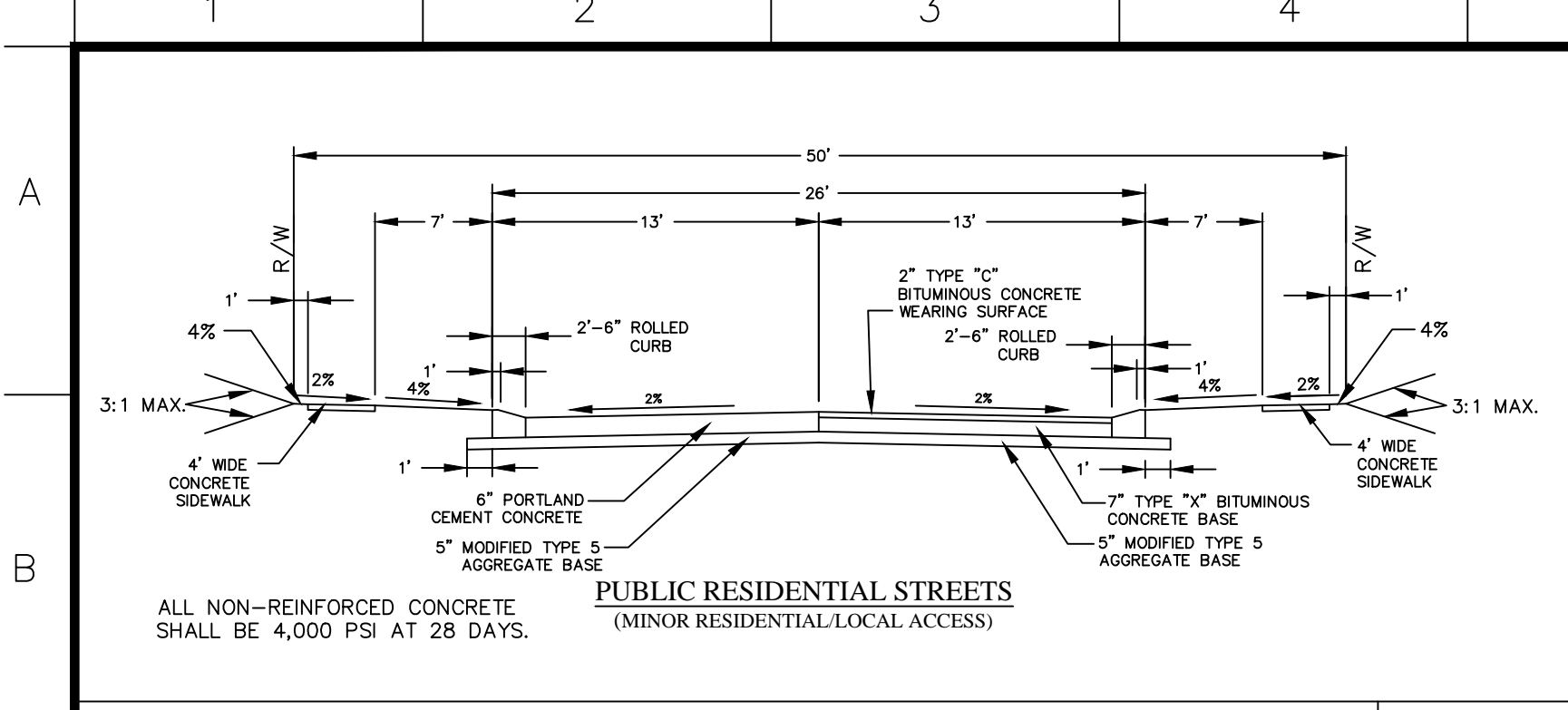
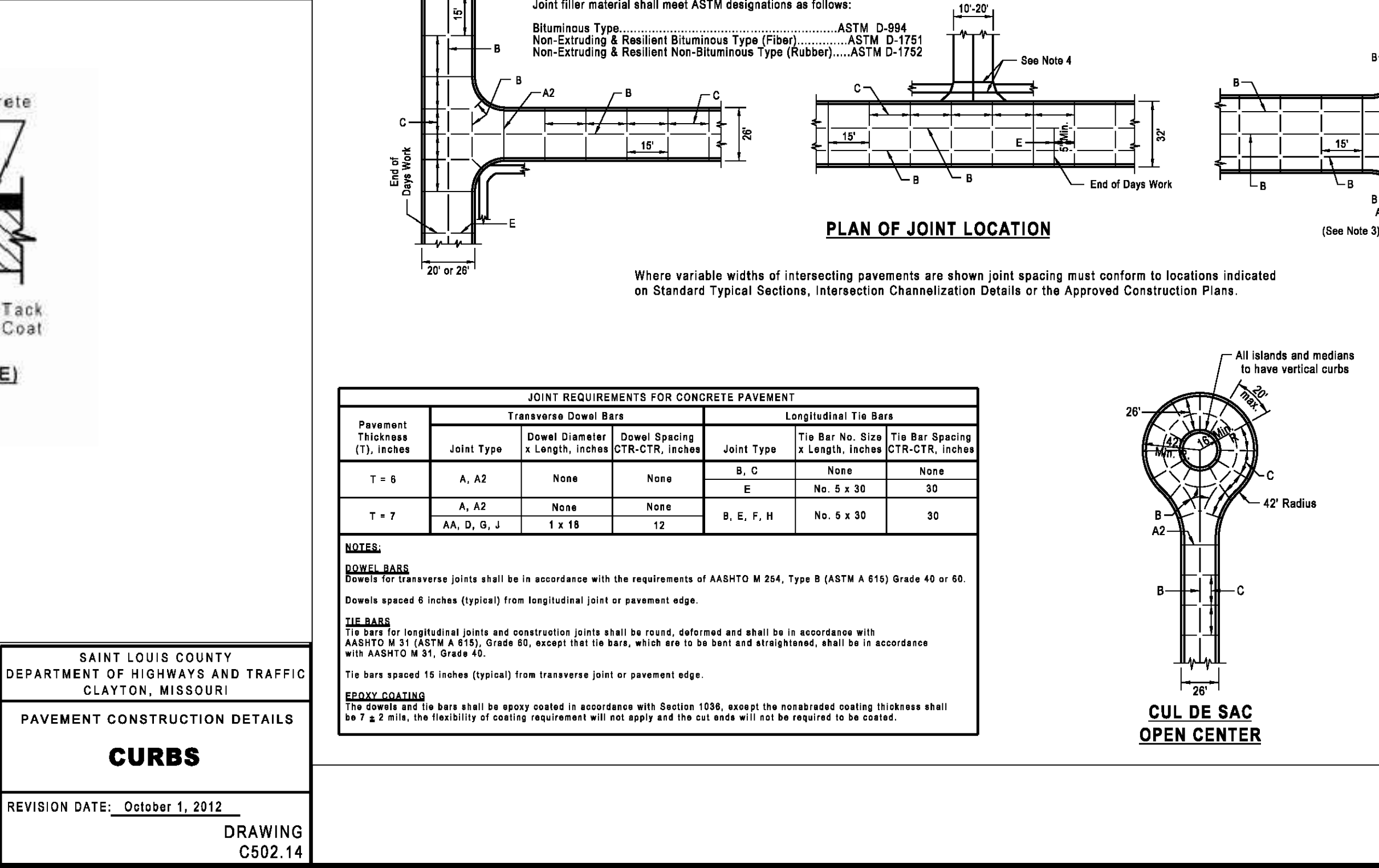
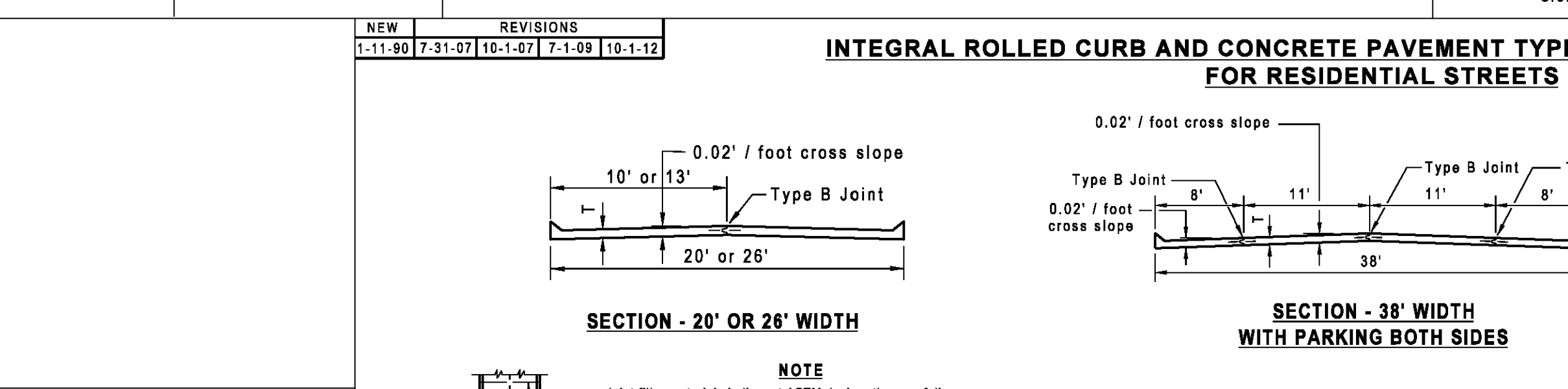
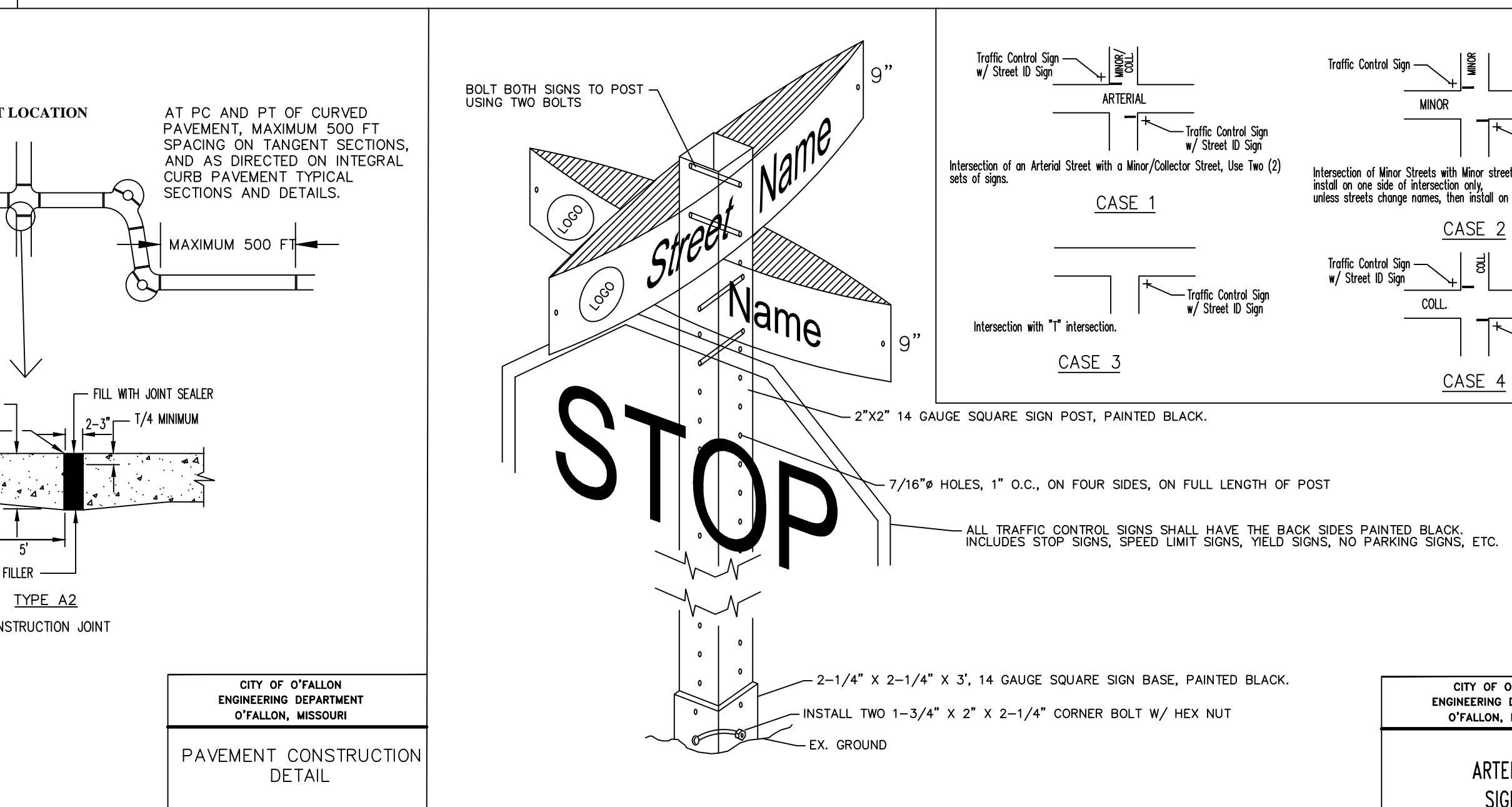
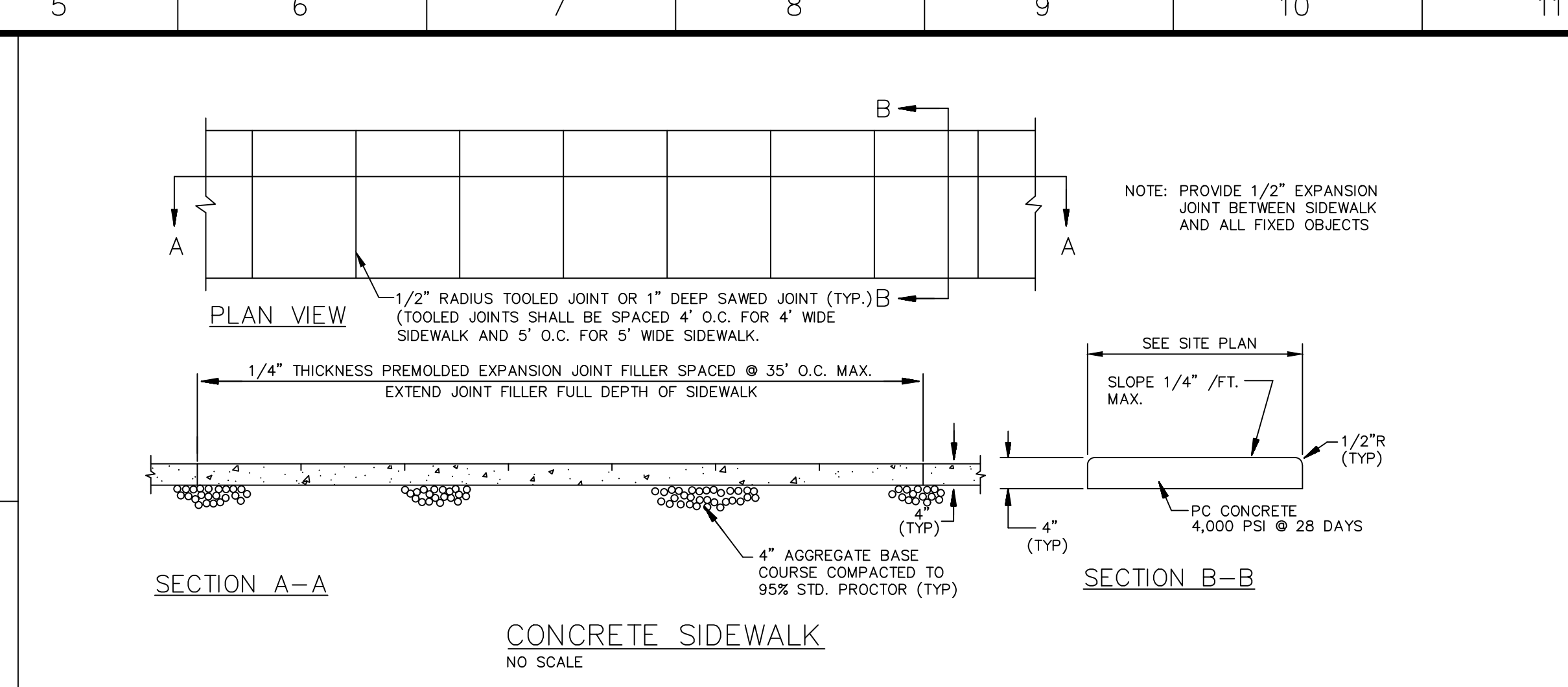


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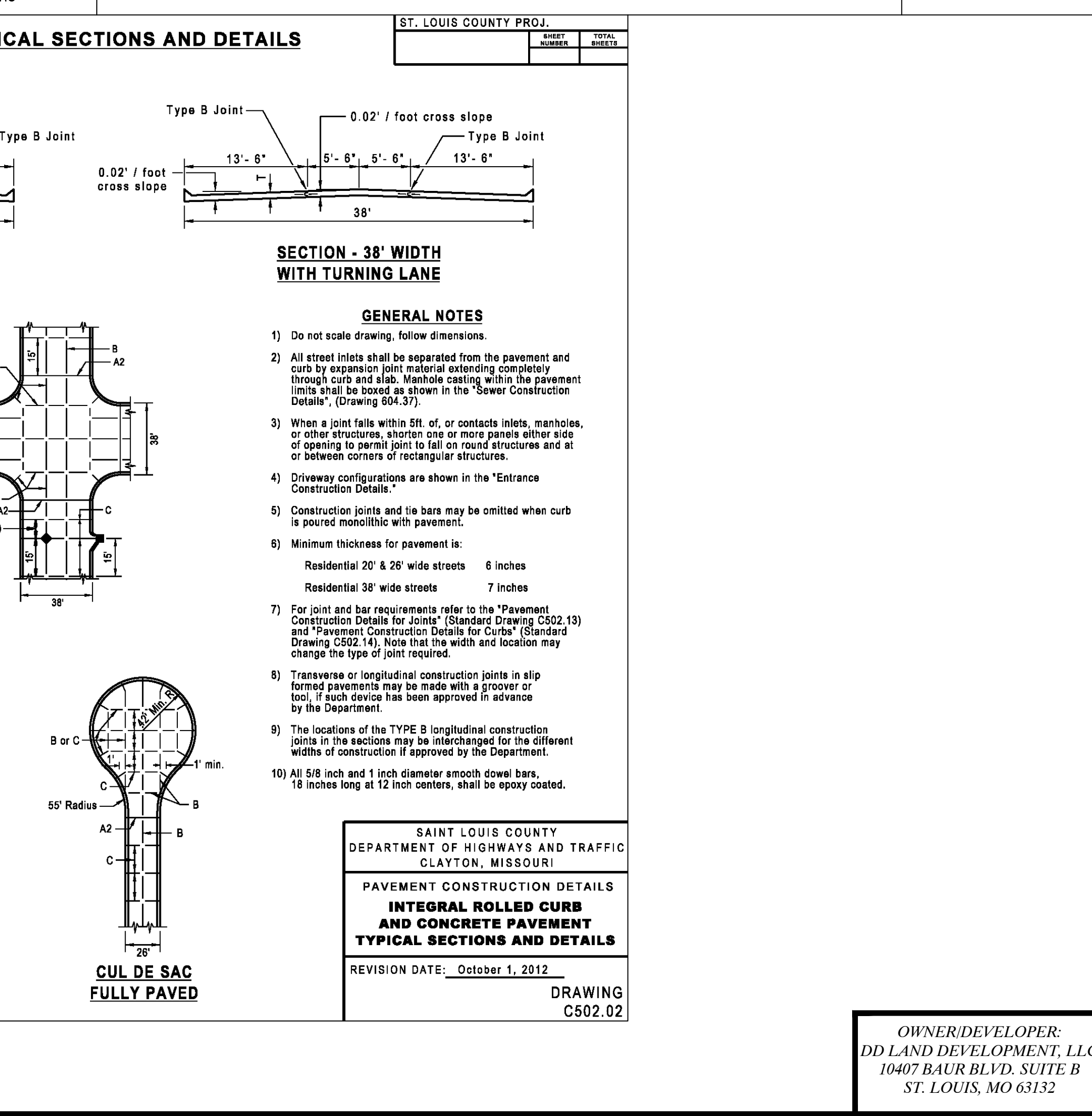
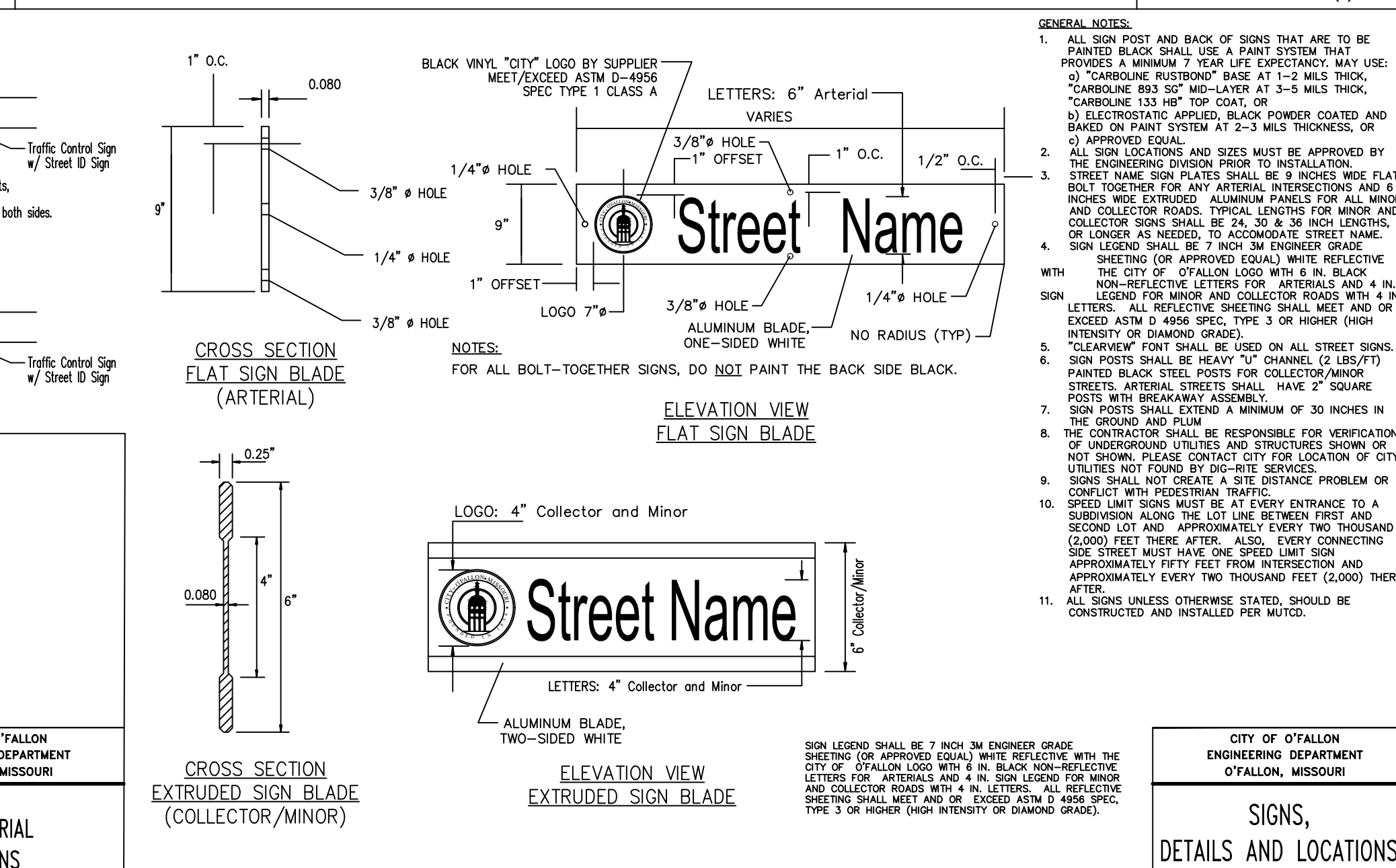
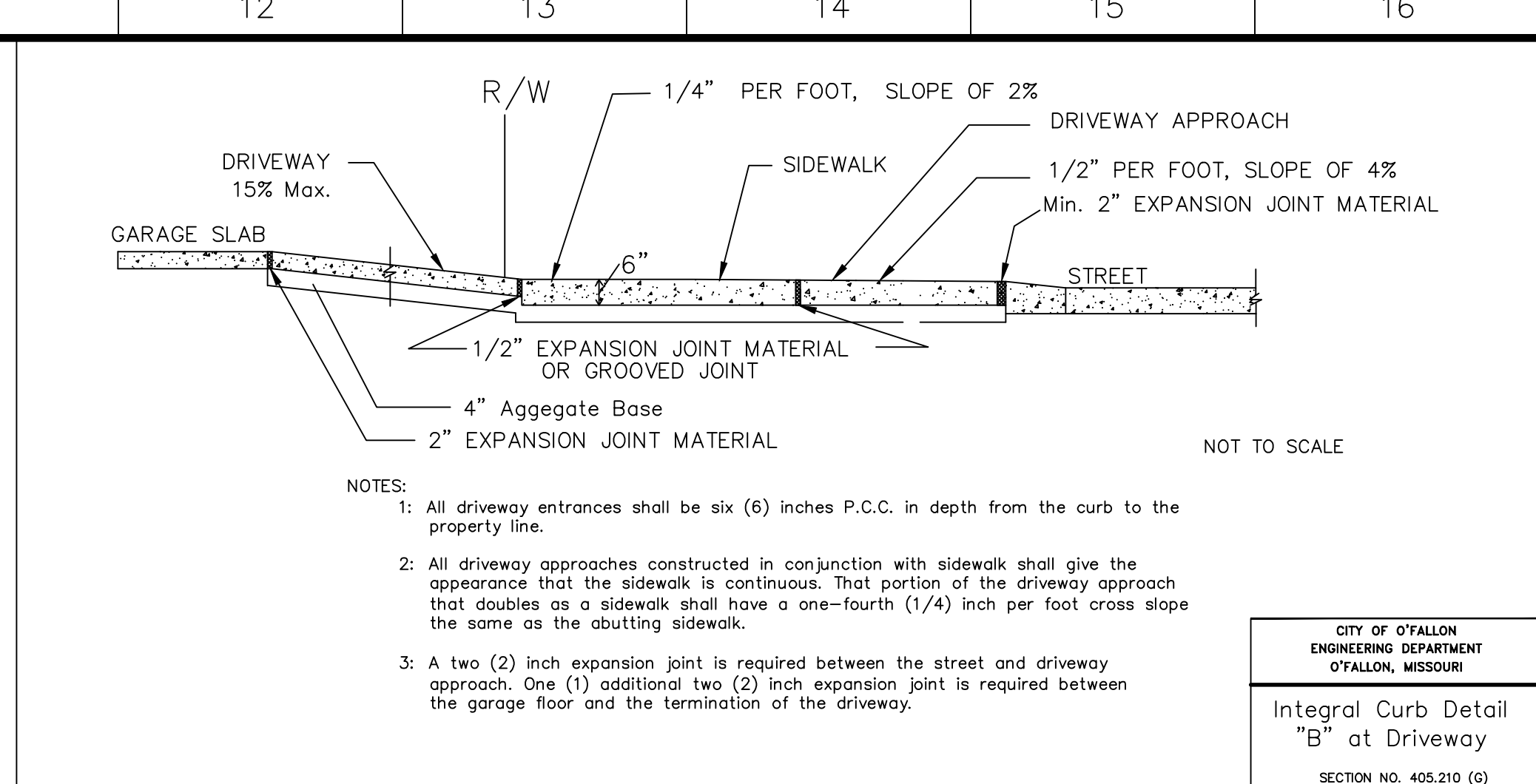


- GENERAL NOTES
1) Do not scale drawing, follow dimensions.
2) Construction joint and tie bars may be omitted when curb is poured integral with pavement.
3) Minimum thickness for pavement is Concrete pavement thickness = (T) / (T) Bituminous Concrete pavement thickness = (T) / (T)
All residential minor and local streets 6 in. 9 in.
Residential collector, residential major collector, all County and not-residential streets 7 in. 10-1/2 in.
All Arterial Streets 8 in. 12 in.
4) Type 'C' transverse joint is required for Arterial, County, non-residential and residential major collector streets. Use Type 'C' transverse joint for all cities.
5) For subdivision or minor streets having 6 inch thick concrete pavement, 1/2 inch diameter tie bars, 36 inches long at 30 inch 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', Standard Drawing C502.01 and 'Integral Rolled Curb and Concrete Pavement Typical Sections and Details', Standard Drawing C502.02 for joint and bar requirements for different street classifications. 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 in accordance with AASHTO M 31, Grade 40 and epoxy coated, conforming to the requirements in Section 1007.4 of the St. Louis County Standard Specifications manual.
8) Length of the tie bars shall be equal to the thickness of pavement plus the height of curb less 3 inches. Tie bars shall be placed at 24 inch centers.
9) Transverse or longitudinal construction joints in slip formed pavements may be made with a groover or tool, 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 profile grease conforming to Section 1007.3.1 of the St. Louis County Standard Specifications manual, or may substitute completed barrel with pre-dipped in an approved bond breaker solution conforming to Section 1007.3.2.
11) All dowel bars 18 inches long at 12 inch centers shall be epoxy coated.
12) Superpave SP 126 is to be used in lieu of Type 'C' bituminous concrete on Arterial roads, when directed by the Department or when specified in the County contract documents.
13) Certain streets will be required to overlay the gutter with 2 inches of Type 'C' bituminous concrete wearing surface as directed by the Department.
14) JOINT SEALANT - The shape factor (depth/width) for liquid joint sealants should be no more than 1 for hot-pour sealants and no more than 0.5 for cold-pour sealants. Sealants shall be recessed between no less than 1/8 inch but no more than 1/4 inch below the pavement surface to avoid extrusion problems when the joint closes and expels the material up through the reservoir exposing it to traffic. Backer rod of a diameter two times the width of the joint is required to accomplish this when expansion joint filler is not specified. Joint filler shall be recessed to accomplish the above for the specified joint sealant material.
15) Sawcut to achieve shape factor = 1.



JOINT REQUIREMENTS FOR CONCRETE PAVEMENT
Table with columns: Pavement Thickness (T), inches; Joint Type; Dowel Diameter x Length, inches; Dowel Spacing, inches; Joint Type; Tie Bar No., Size x Length, inches; Tie Bar Spacing, inches.
Rows: T = 6, A, A2; T = 7, AA, D, G, J.

PAVEMENT CONSTRUCTION DETAILS
CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI
REVISION DATE: October 1, 2012
DRAWING C502.14



PAVEMENT CONSTRUCTION DETAILS
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS
REVISION DATE: October 1, 2012
DRAWING C502.02

Professional seal and information for Timothy Schow, Missouri State Certificate of Authority Number: 000380, Engineering: 001655, Architecture: 2002014240. Includes project name: THE STREETS OF CALEDONIA PHASE 4 RESIDENTIAL O'FALLON, MISSOURI and drawing title: C14.01.