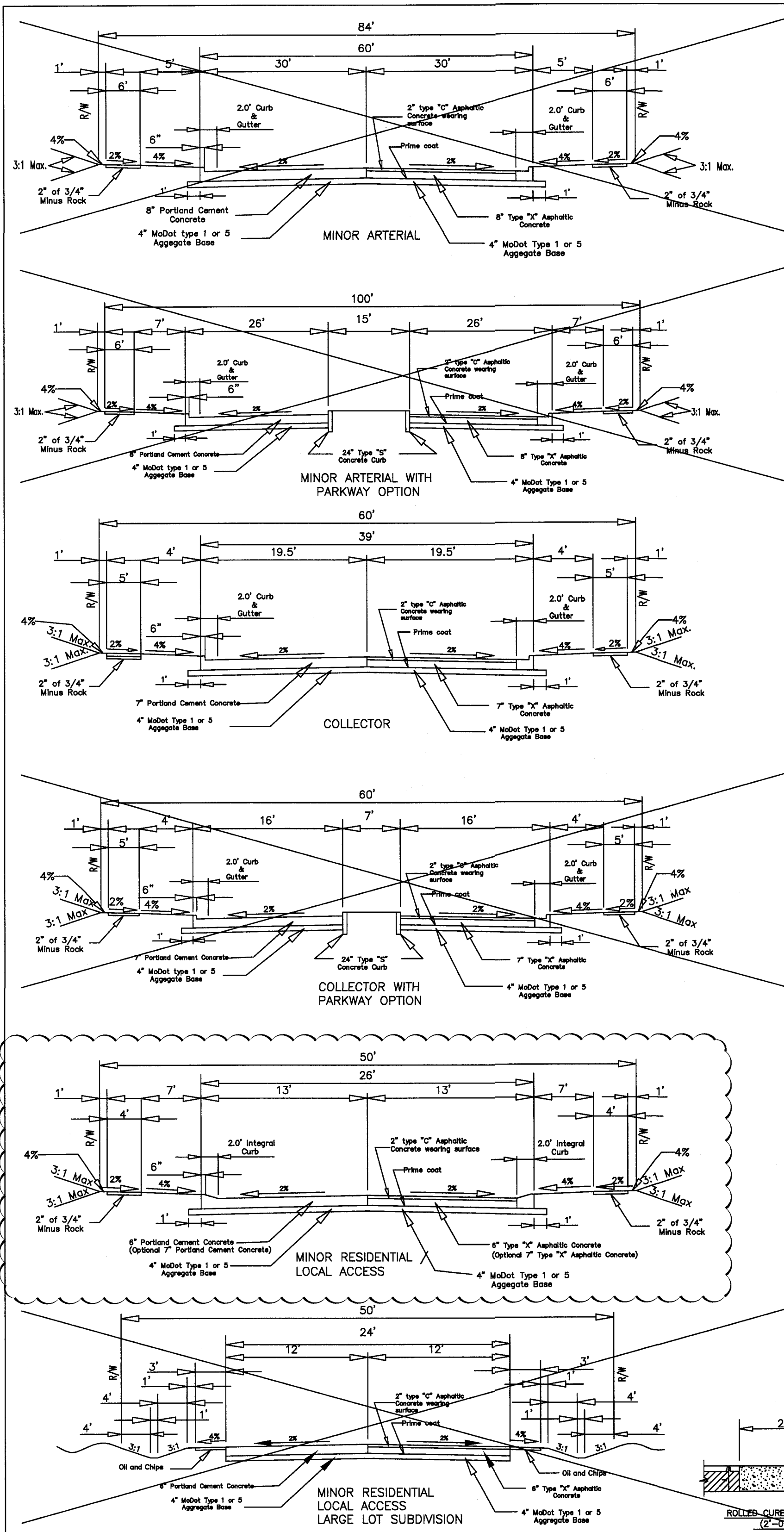


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	ROW Width	Pavement Width	Lane Width	No. of Drive Lanes	Utility Easement	Design Speed
Minor Arterial	84	60	12	5	10	40
Collector	60	39	12	3	10	35
Residential Collector	56	32**	N/A	2	10	25
Minor Residential Local Access	50	26	N/A	2	10	25*

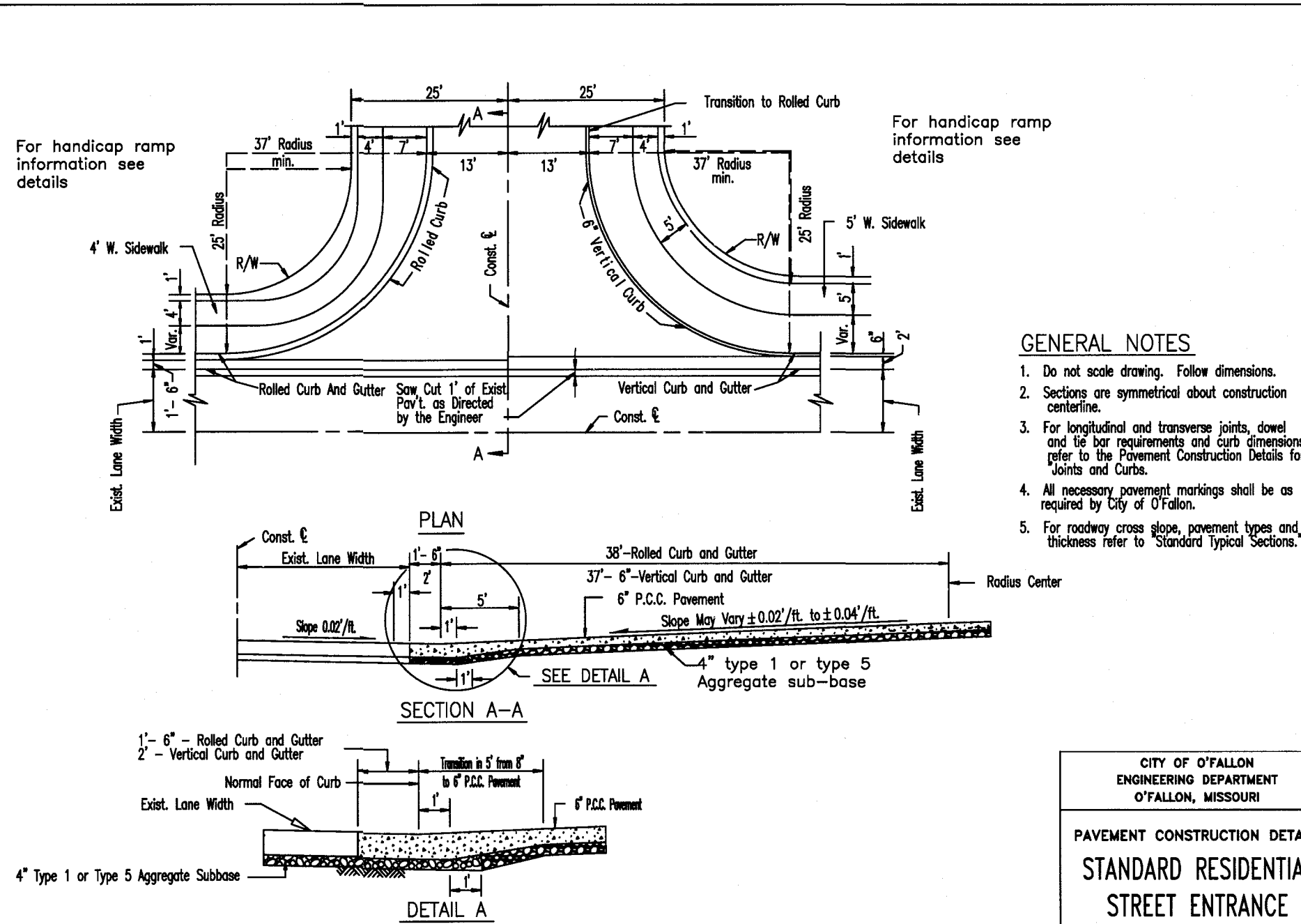
Notes: * = Can be varied with City Engineer's approval
 ** = Detail to match minor residential street with wider pavement
 - these requirements may be varied by other City ordinances
 - these standards are minimum standards
 - Parkway options can be provided as indicated above

Designer will provide roadway cross section and joint locations in a separate detail drawing.

RESIDENTIAL STREETS SHALL BE A MINIMUM OF 6" P.C. CONCRETE OVER 4" ROCK BASE ON COMPACTED SUBGRADE PER ORDINANCE NUMBER 4875.

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

Typical Pavement Design
 SECTION NO. 405.570

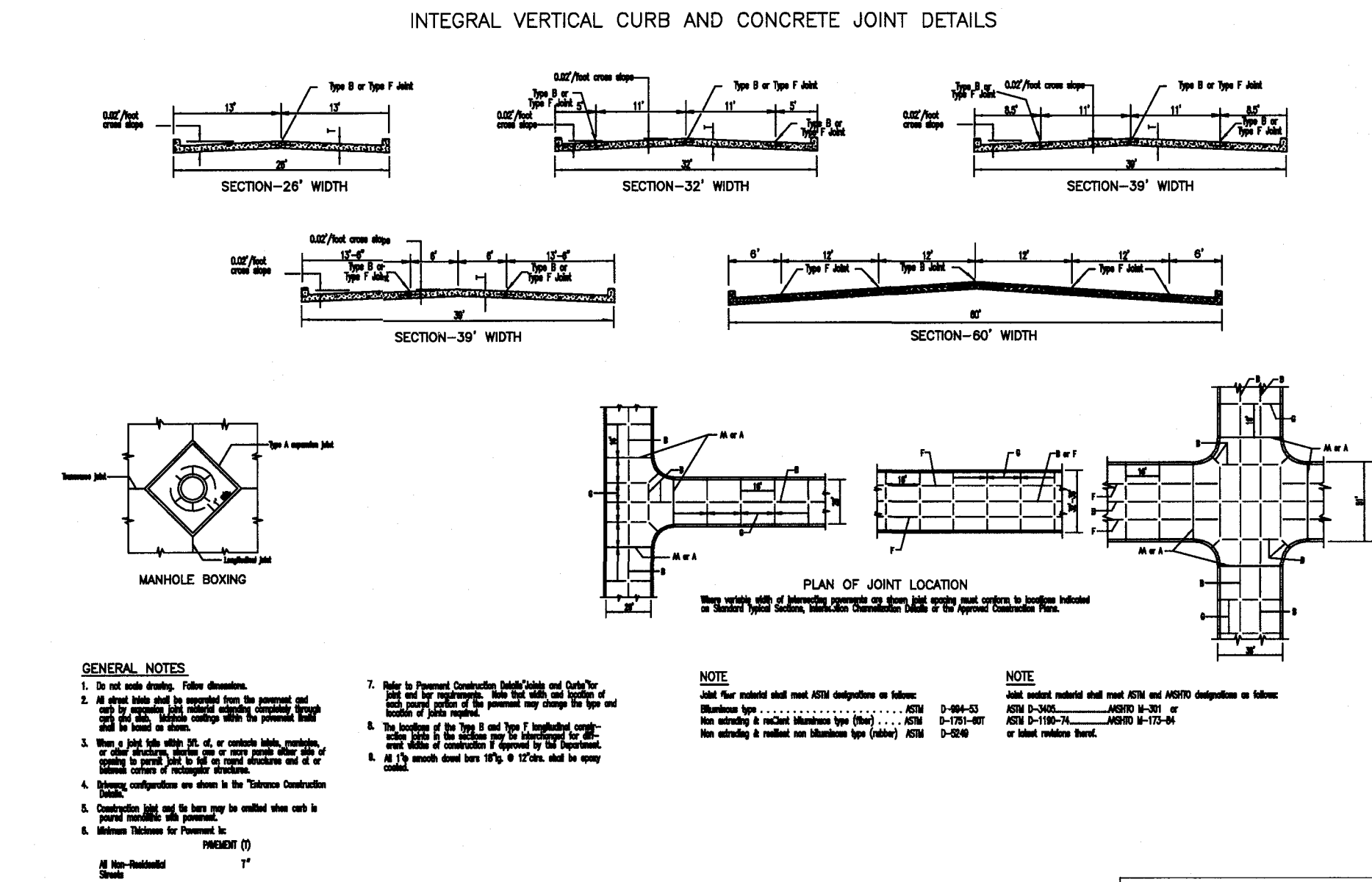


GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sections are symmetrical about construction centerline.
3. For longitudinal and transverse joints, down and tie bar requirements and curb dimensions refer to the Pavement Construction Details for Joints and Curbs.
4. All necessary pavement markings shall be as required by 104 of O.C.D.
5. For roadway cross slope, pavement types and thickness refer to Standard Typical Sections.

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
 STANDARD RESIDENTIAL STREET ENTRANCE



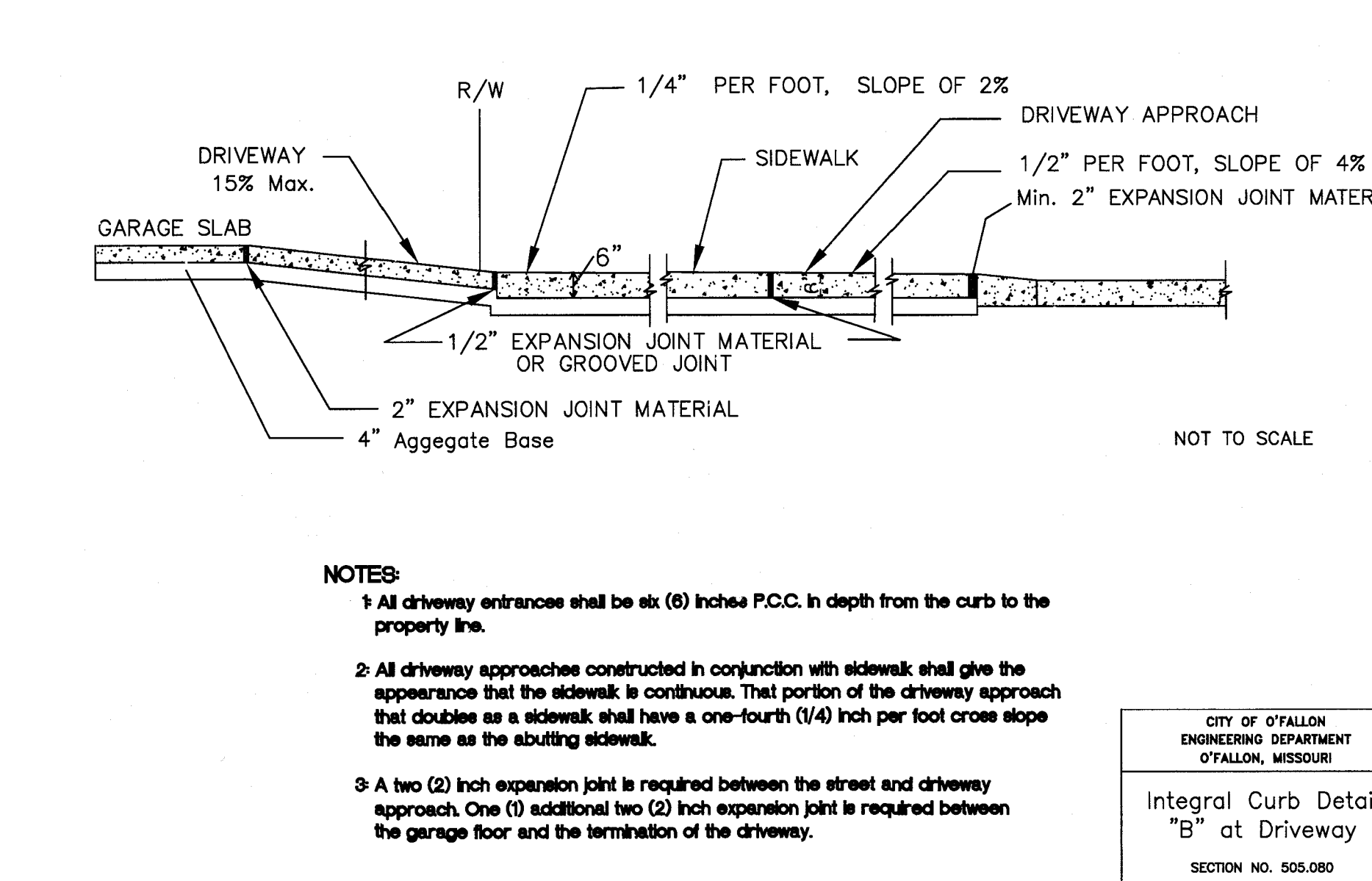
GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All work shall be in accordance with the Missouri State Specifications for Highway Construction, 2012 Edition, unless otherwise noted.
3. Use of 1/2" thick concrete for curb and gutter shall be in accordance with the Missouri State Specifications for Highway Construction, 2012 Edition, unless otherwise noted.
4. Minimum thickness for concrete shall be as follows: (a) 4" for concrete curb and gutter; (b) 6" for concrete joint.
5. Minimum thickness for concrete shall be as follows: (a) 4" for concrete curb and gutter; (b) 6" for concrete joint.
6. Minimum thickness for concrete shall be as follows: (a) 4" for concrete curb and gutter; (b) 6" for concrete joint.
7. Refer to Pavement Construction Details for Curb and Gutter for additional details.
8. Refer to Pavement Construction Details for Curb and Gutter for additional details.
9. Refer to Pavement Construction Details for Curb and Gutter for additional details.
10. Refer to Pavement Construction Details for Curb and Gutter for additional details.

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
At All Points, Non-Residential	Transverse	TYPE A or Modified
25'-0" wide pavement	Longitudinal	1" smooth steel bar 1/2" x 12' cts. At the edge facing the pavement.
7'-0" thick concrete pavement	Expansion	5/8" x 1/2" steel bar 1/2" x 24' cts. At the edge facing the pavement.

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
 INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS



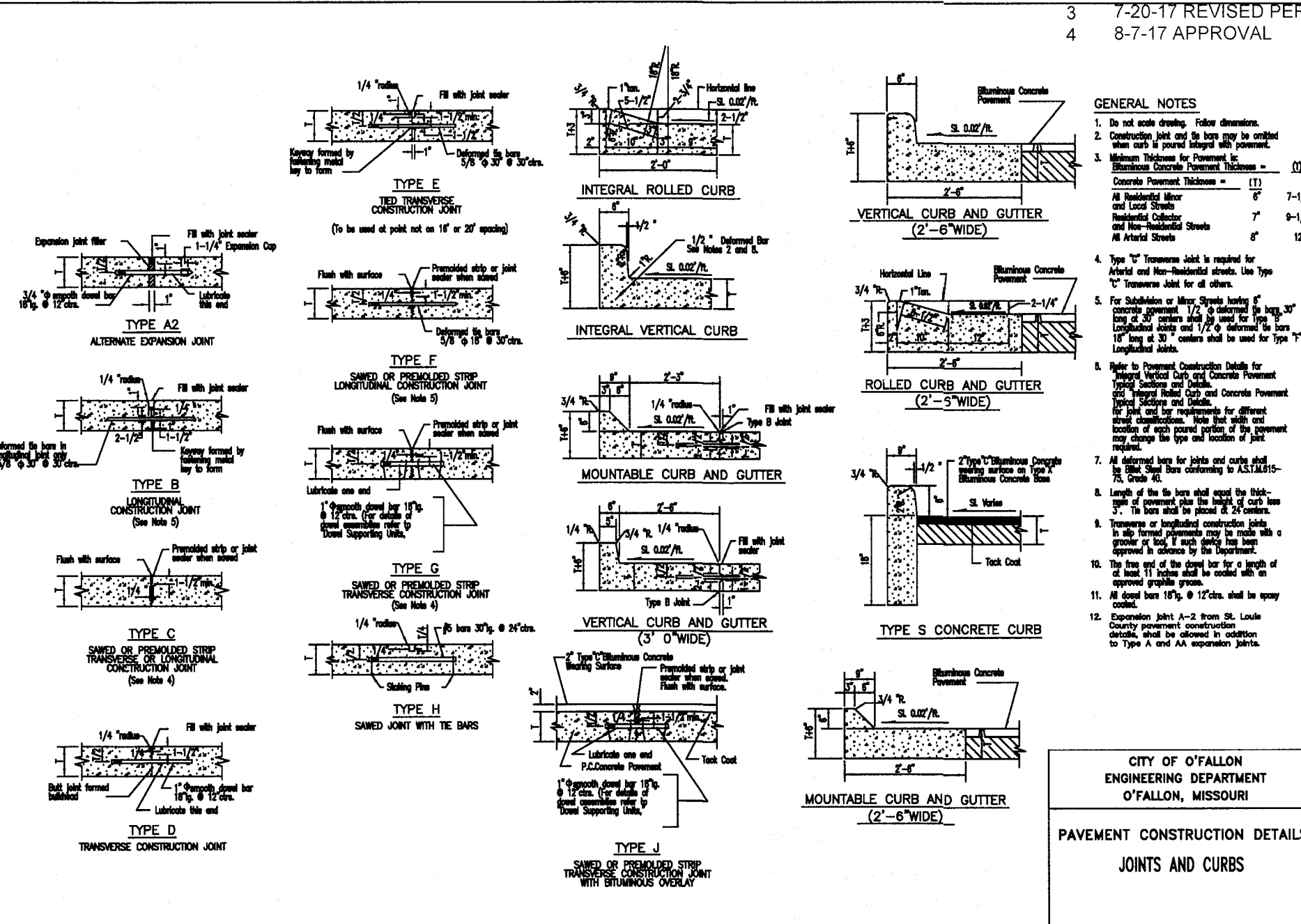
NOTES

1. All driveway entrances shall be set (6) inches P.C.C. in depth from the curb to the property line.
2. All driveway approaches constructed in conjunction with sidewalk shall give the appearance that the sidewalk is continuous. That portion of the driveway approach that doubles as a sidewalk shall have a one-fourth (1/4) inch per foot cross slope the same as the abutting sidewalk.
3. A two (2) inch expansion joint is required between the street and driveway approach. One (1) additional two (2) inch expansion joint is required between the garage floor and the termination of the driveway.

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

Integral Curb Detail
 "B" at Driveway
 SECTION NO. 505.080

CONCRETE NOTE:
 ALL NON-REINFORCED CONCRETE SHALL BE 4,000 PSI AT 28 DAYS

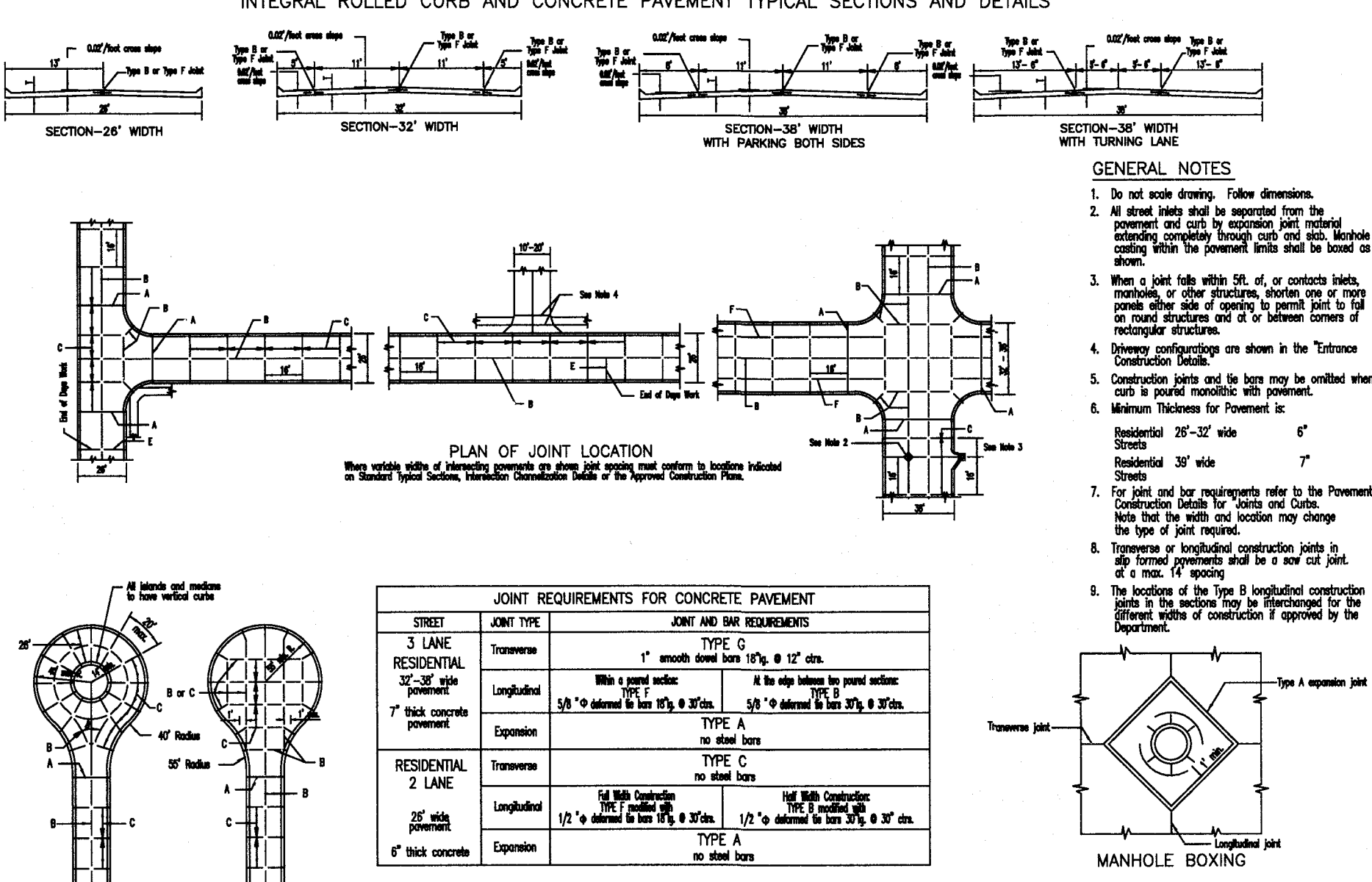


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CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
 JOINTS AND CURBS



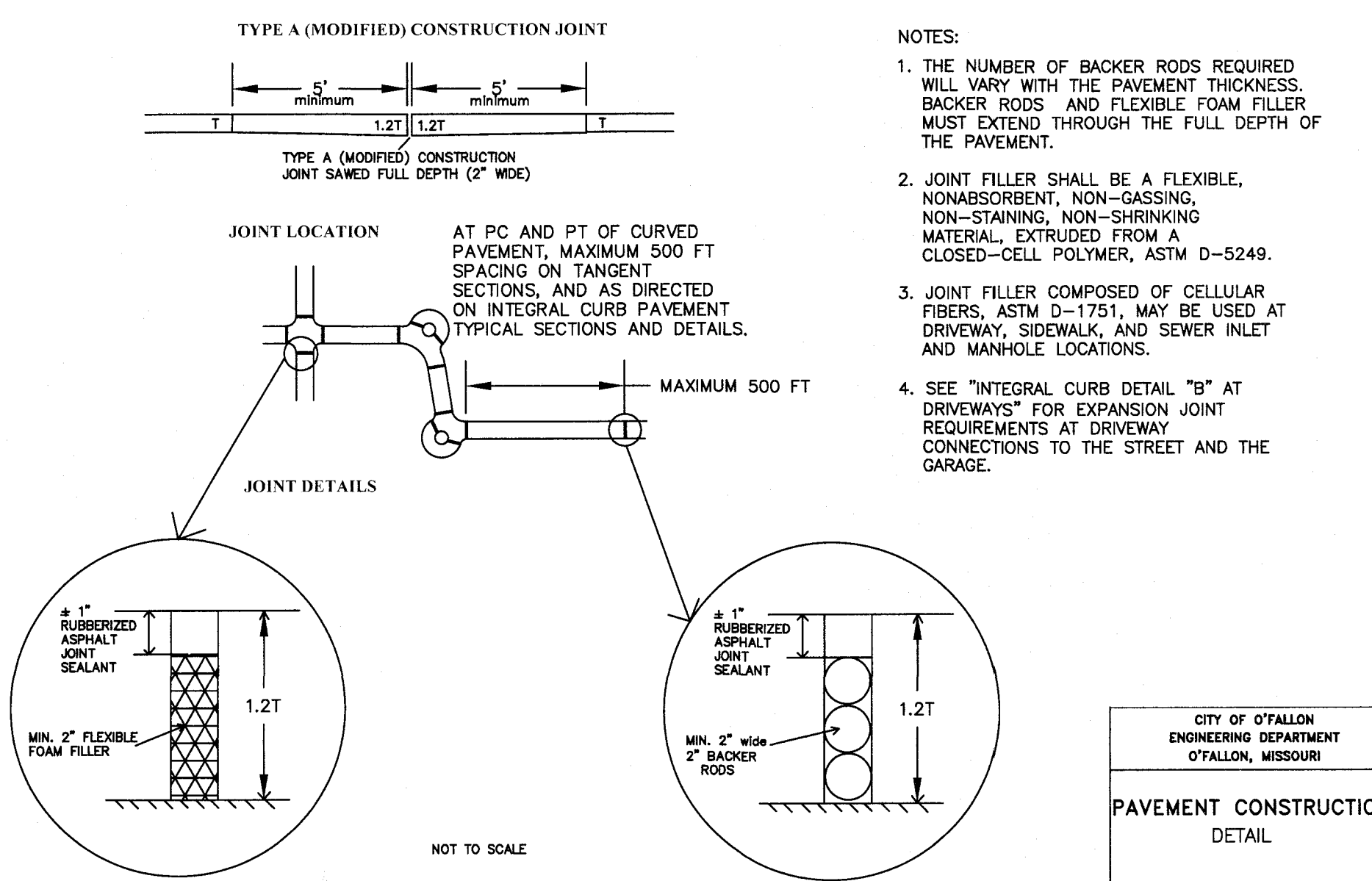
GENERAL NOTES

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STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
3 LANE RESIDENTIAL	Transverse	TYPE A or Modified
7' thick concrete pavement	Expansion	5/8" x 1/2" steel bar 1/2" x 24' cts. At the edge facing the pavement.
RESIDENTIAL 2 LANE	Transverse	TYPE C
2 1/2" wide pavement	Longitudinal	1 1/2" x 1/2" steel bar 1/2" x 24' cts. At the edge facing the pavement.
6" thick concrete	Expansion	TYPE A or Modified

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
 INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS



TYPE A (MODIFIED) CONSTRUCTION JOINT

TYPE A (MODIFIED) CONSTRUCTION JOINT SAWED FULL DEPTH (2" WIDE)

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

MIN. 2" FLEXIBLE FOAM FILLER

MIN. 2" wide 2" BACKER RODS

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-GASING, 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.

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 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAIL

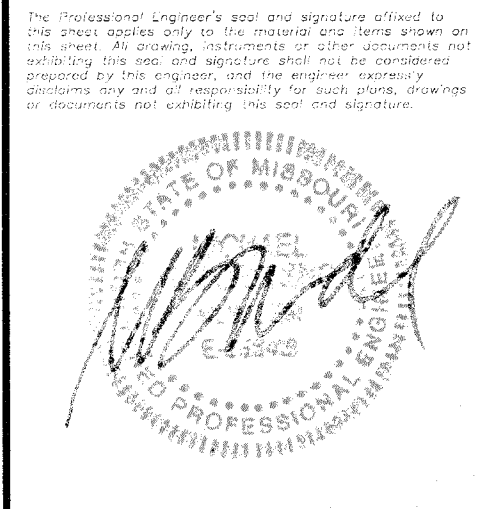
PROJECT TITLE

COBBLESTONE CROSSING

O'FALLON, MISSOURI

THE **STERLING** CO.
 ENGINEERS & SURVEYORS

5065 New Baumgartner Road
 St. Louis, Missouri 63129
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 www.sterling-eng-sur.com
 Corporate Certificate of Authority #001348



Date: 9/7/2017
 Michael G. Boering
 License No. MO E-28643
 Civil Engineer

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 City No.
 Date: Aug 7, 2017
 Job No. 16-08-239

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