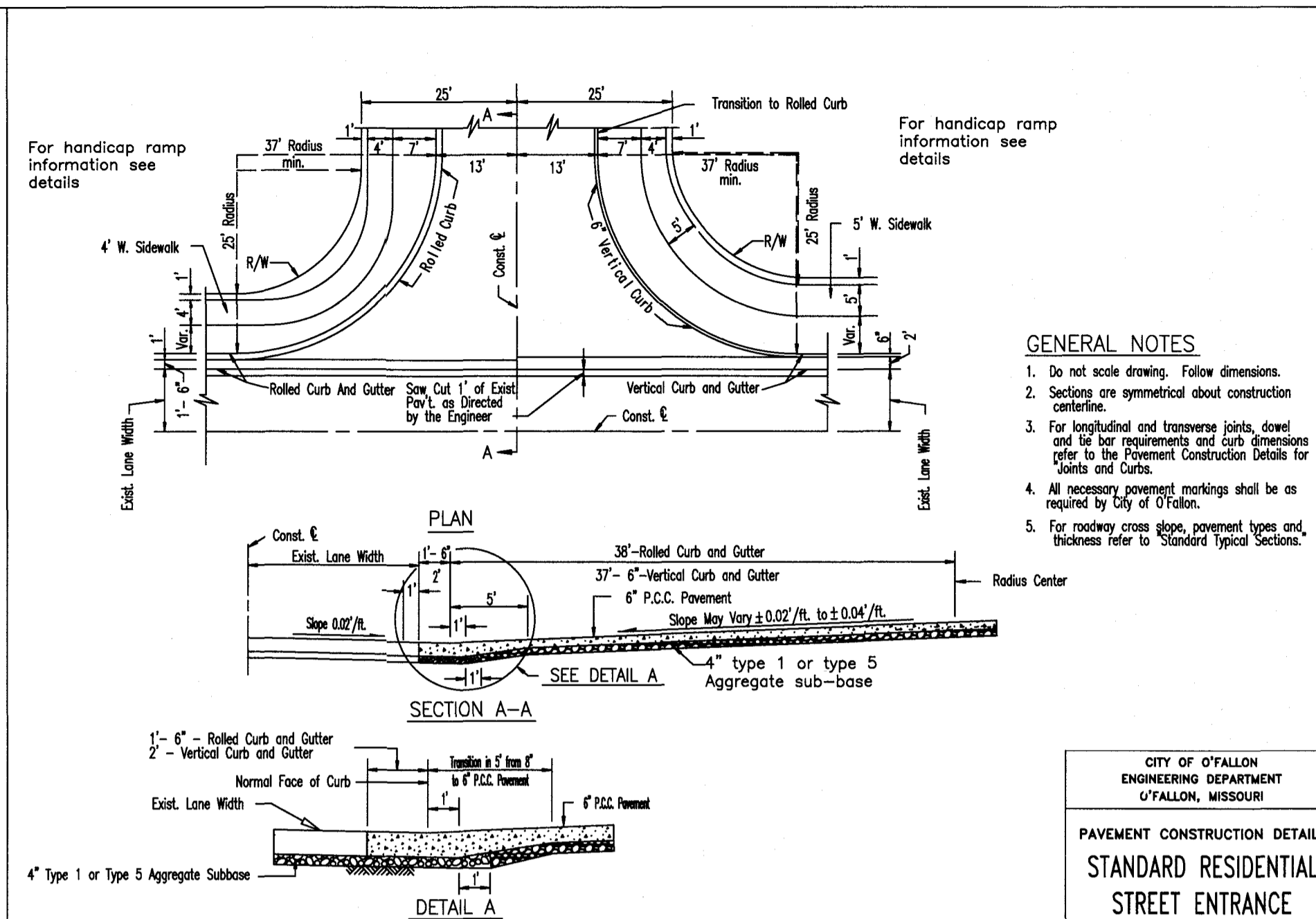


	ROW Width	Pavement Width	Lane Width	No. of Drive Lanes	Utility Easement	Design Speed
Minor Arterial	84	60	12	5	10	40
Collector	60	39	12	3	10	35
Residential Collector	56	32**	N/A	2	10	25
Minor Residential Local Access	50	26	N/A	2	10	25*

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

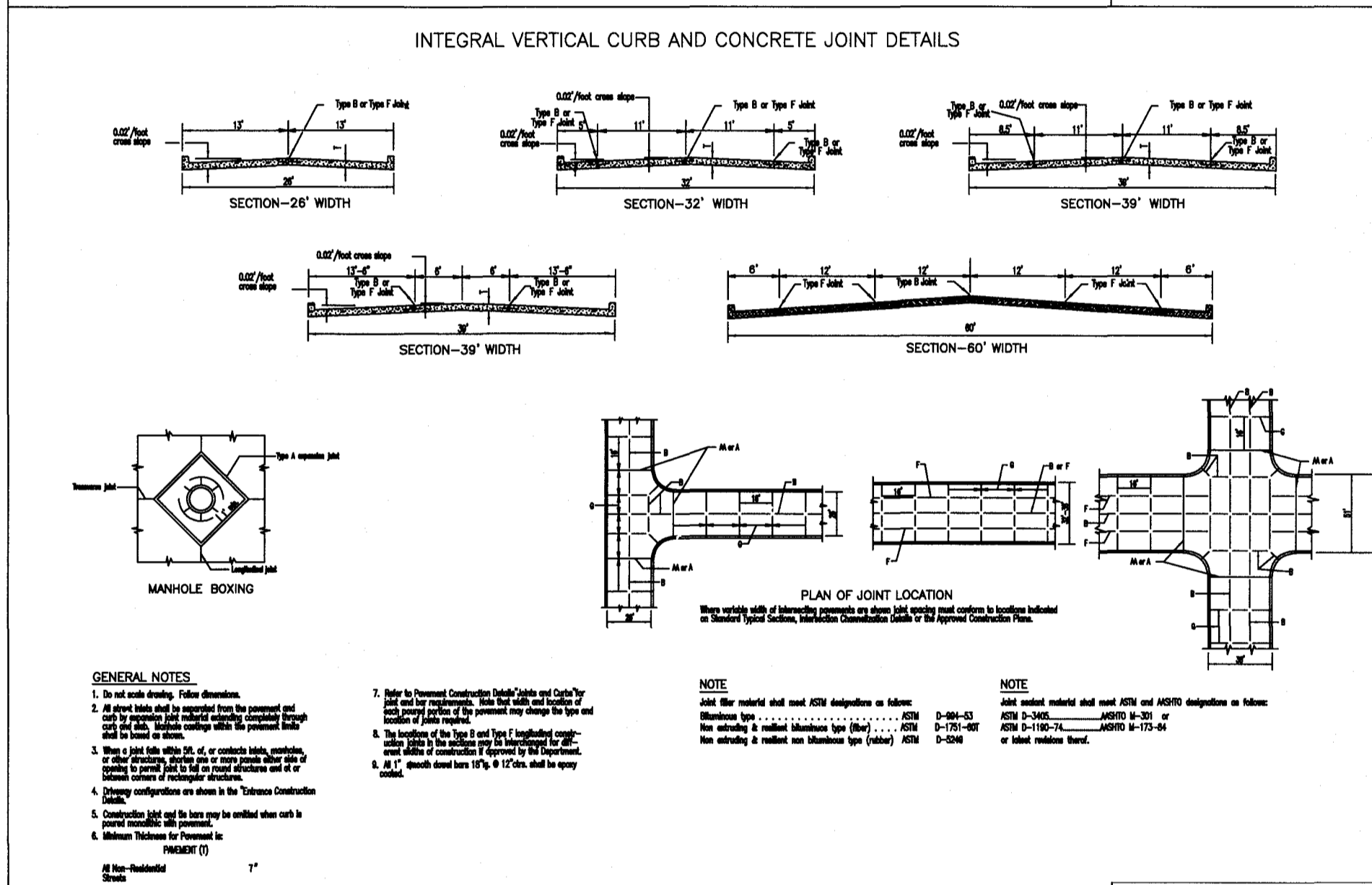
Designer will provide roadway cross section and joint locations in a separate detail drawing.
RESIDENTIAL STREETS SHALL BE A MINIMUM OF 6" P.C. CONCRETE OVER 4" ROCK BASE ON COMPACTED SUBGRADE PER ORDINANCE NUMBER 4875.

CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 Typical Pavement Design
 SECTION NO. 405.370



GENERAL NOTES
 1. Do not scale drawing. Follow dimensions.
 2. Sections are symmetrical about construction centerline.
 3. For longitudinal and transverse joints, dowel and 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 City of O'Fallon.
 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

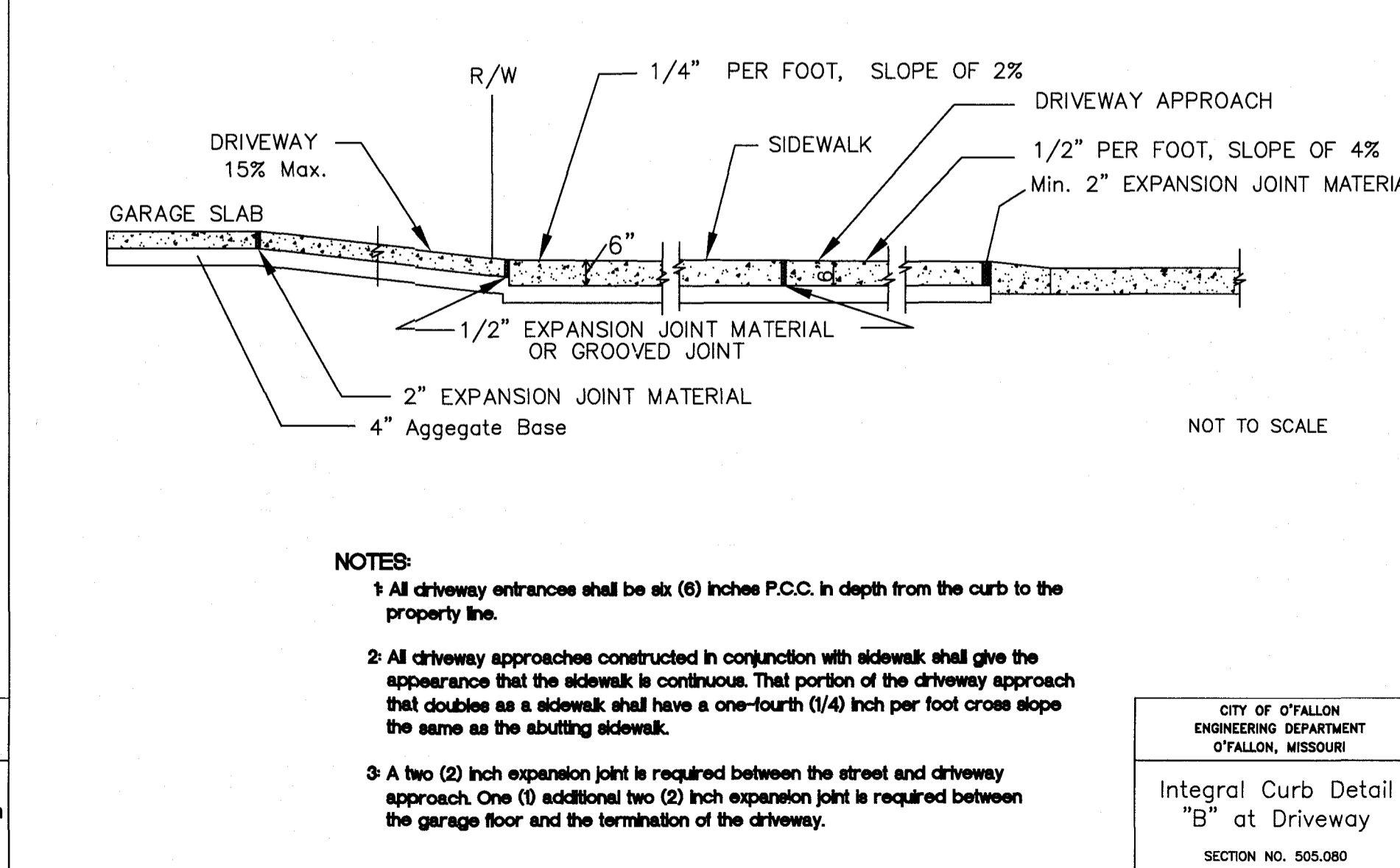


GENERAL NOTES
 1. Do not scale drawing. Follow dimensions.
 2. All street joints shall be staggered from the pavement and curb by expansion joint including sidewalk curb and gutter. Minimum spacing between joints shall be based on street width.
 3. When a joint falls within 5% of a concrete slab, manhole or other structure, the joint shall be placed either side of opening to permit joint to fall on most structure and 4' or below corner of rectangular structures.
 4. Driveway configurations on slopes in the Tolerance Construction Details.
 5. Construction joints and tie bars may be omitted when curb is placed monolithic with pavement.
 6. Minimum Thickness for Pavement is:
 Residential 25'-32' wide Street 35' wide
 7. For joint and bar requirements refer to the Pavement Construction Details for Joints and Curbs. Note that the width and location may change the type of joint required.
 8. Transverse or longitudinal construction joints in the concrete shall be a max. of 4' spacing.
 9. The location of the Type B longitudinal construction joint in the concrete shall be as directed by the Department.

JOINT REQUIREMENTS FOR CONCRETE PAVEMENT

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
All Street	Transverse	Type C 1" smooth steel bar 1/2" x 12' dia.
25'-32' wide pavement	Longitudinal	Type A 1/2" x 12' dia. bar 1/2" x 12' dia. bar
7'-6" thick concrete	Expansion	Type A or Type A Modified

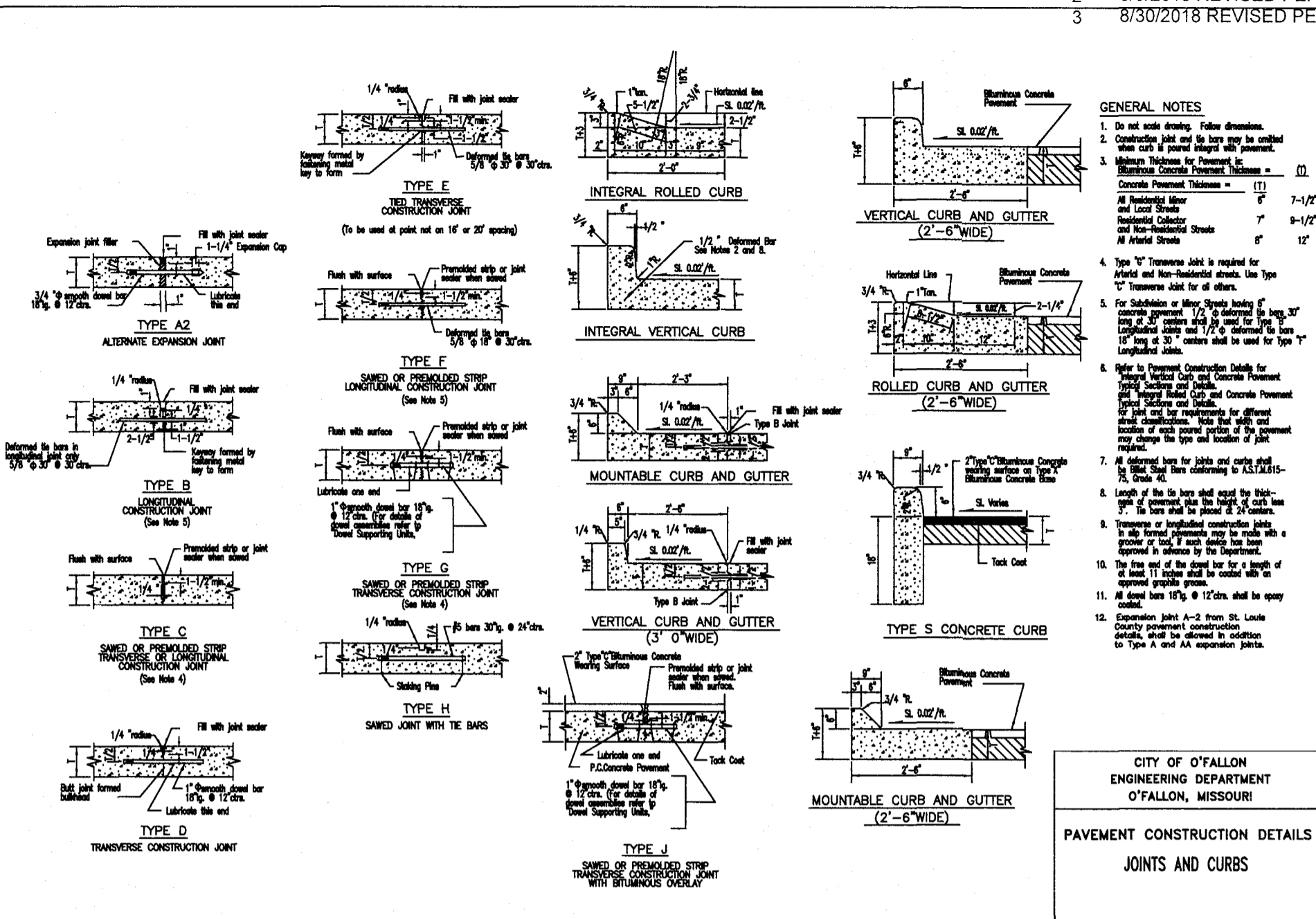
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 PAVEMENT CONSTRUCTION DETAILS
 INTEGRAL VERTICAL CURB
 AND CONCRETE PAVEMENT
 TYPICAL SECTIONS AND DETAILS



NOTES
 1 All driveway entrances shall be six (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 an 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.

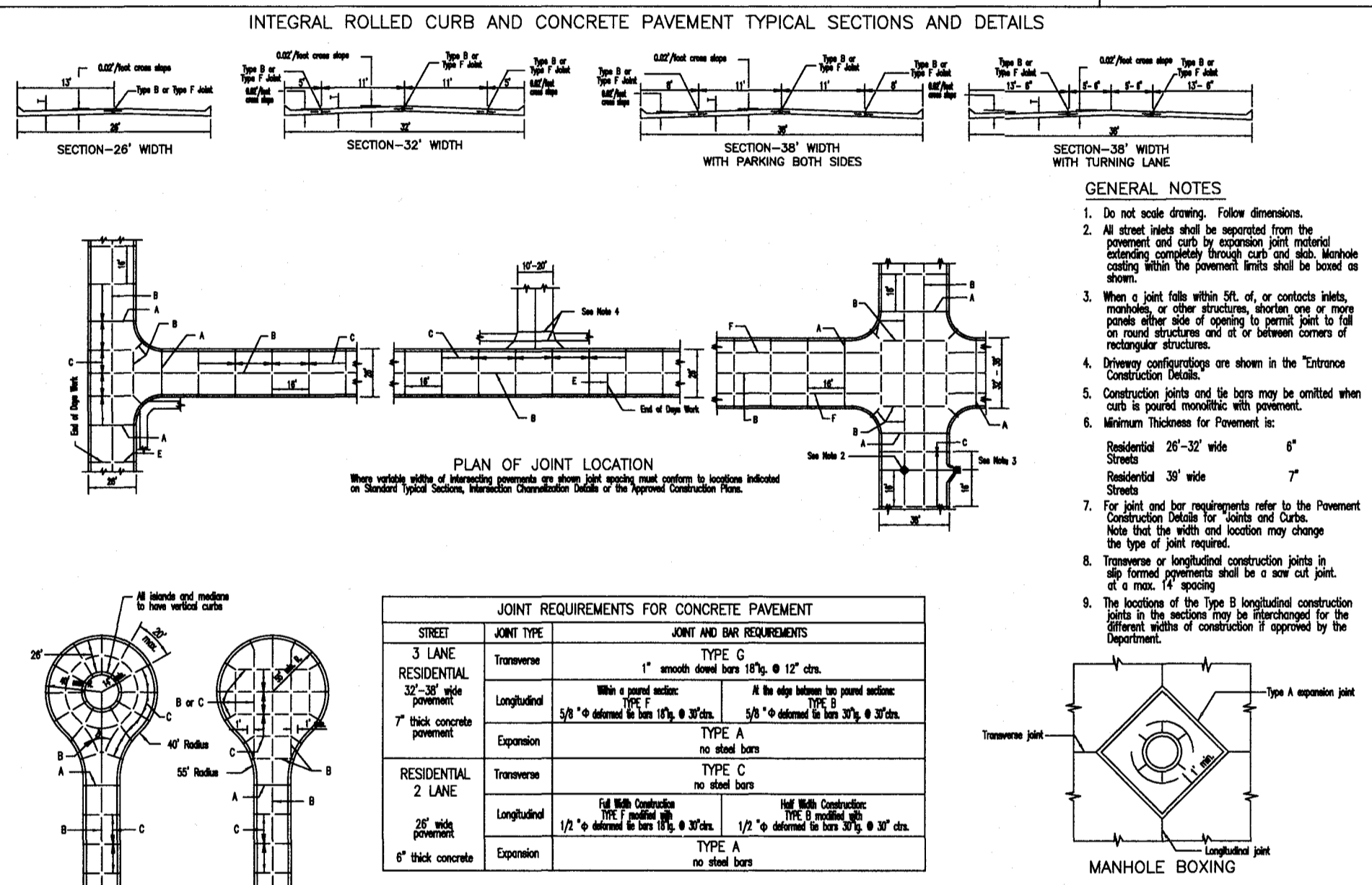
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 Integral Curb Detail
 "B" at Driveway
 SECTION NO. 505.080

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



GENERAL NOTES
 1. Do not scale drawing. Follow dimensions.
 2. Sections are symmetrical about construction centerline.
 3. For longitudinal and transverse joints, dowel and 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 City of O'Fallon.
 5. For roadway cross slope, pavement types and thickness refer to Standard Typical Sections.

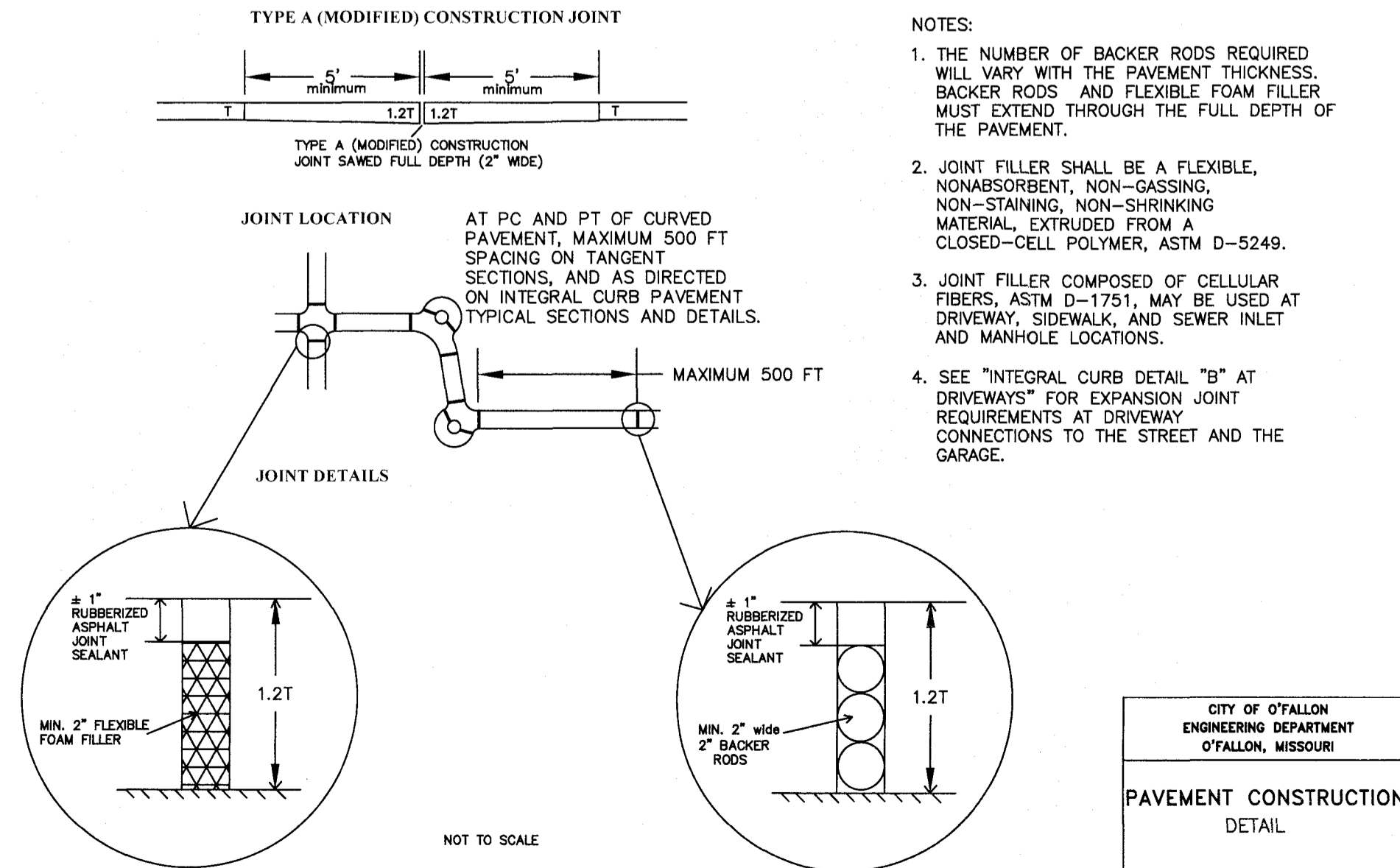
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 PAVEMENT CONSTRUCTION DETAILS
 JOINTS AND CURBS



JOINT REQUIREMENTS FOR CONCRETE PAVEMENT

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
3 Lane Residential	Transverse	Type C 1" smooth steel bar 1/2" x 12' dia.
3 Lane Residential	Longitudinal	Type A 1/2" x 12' dia. bar 1/2" x 12' dia. bar
3 Lane Residential	Expansion	Type A or Type A Modified
2 Lane Residential	Transverse	Type C 1" smooth steel bar 1/2" x 12' dia.
2 Lane Residential	Longitudinal	Type A 1/2" x 12' dia. bar 1/2" x 12' dia. bar
2 Lane Residential	Expansion	Type A or Type A Modified

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



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

PROJECT TITLE
PEARL VISTA
 O'FALLON, MISSOURI

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Date: 8/30/2018
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P+Z No. 18-00083
 City No.
 Date: Aug 30, 2018
 Job No. 17-08-193
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