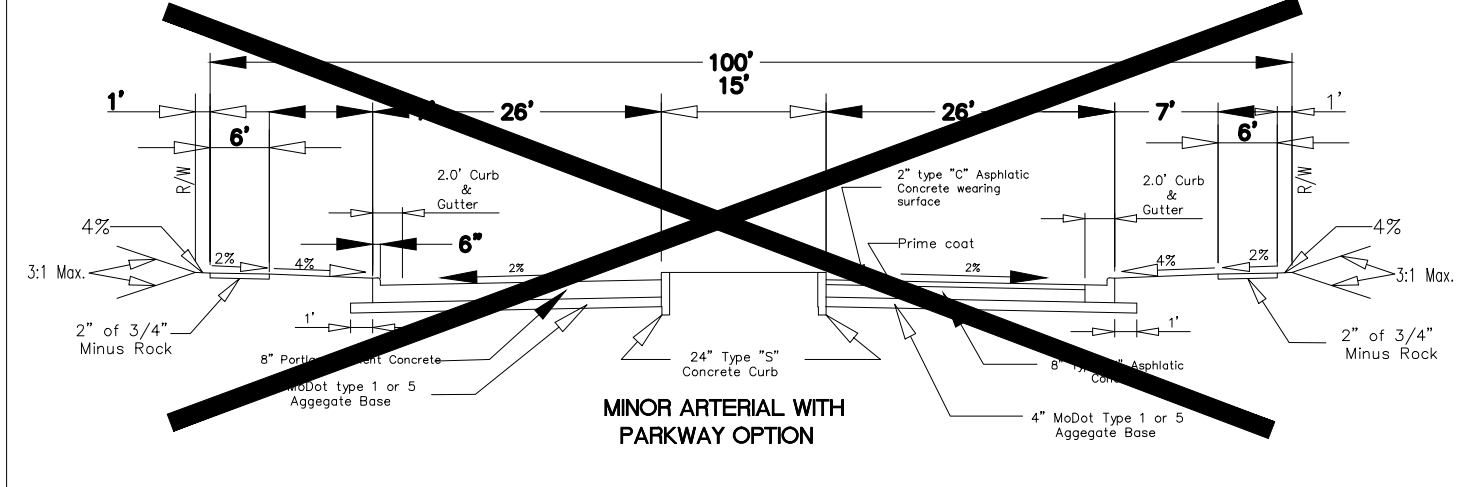
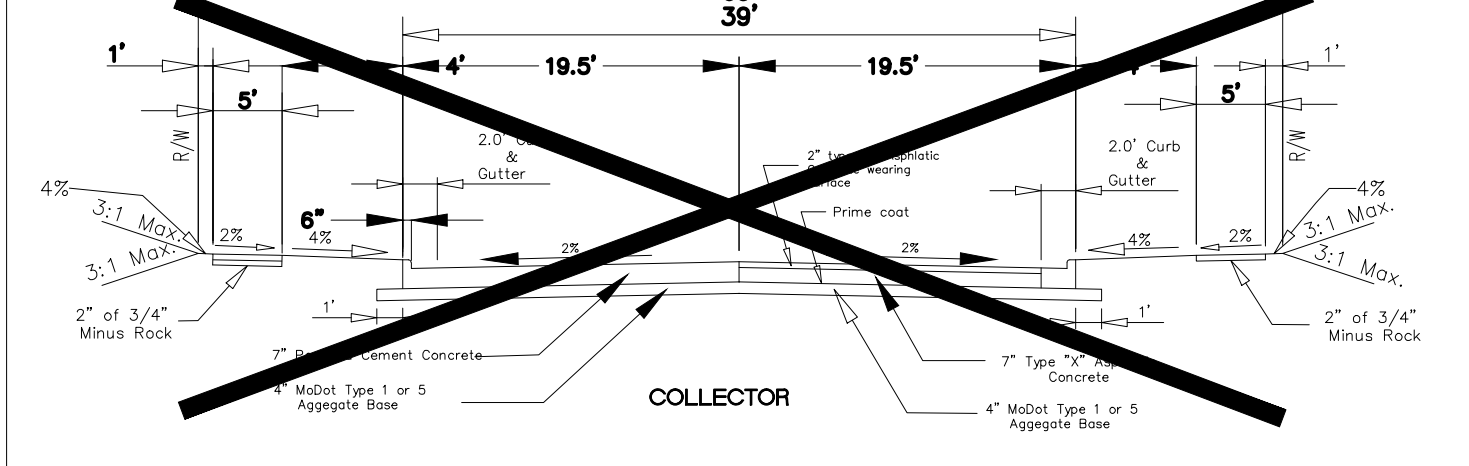


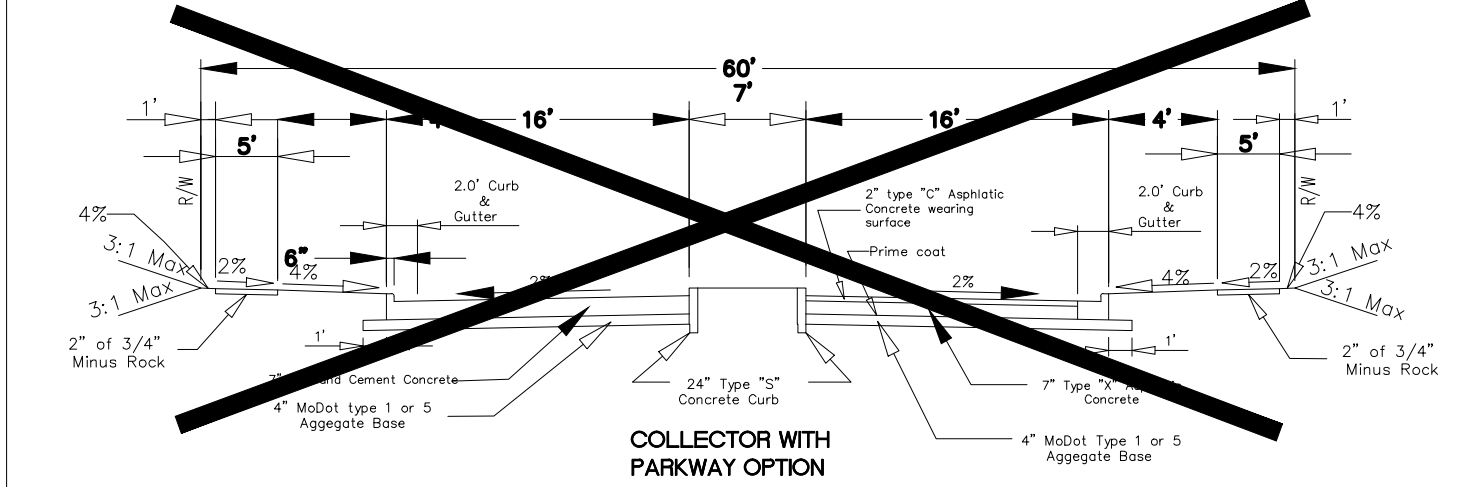
MINOR ARTERIAL



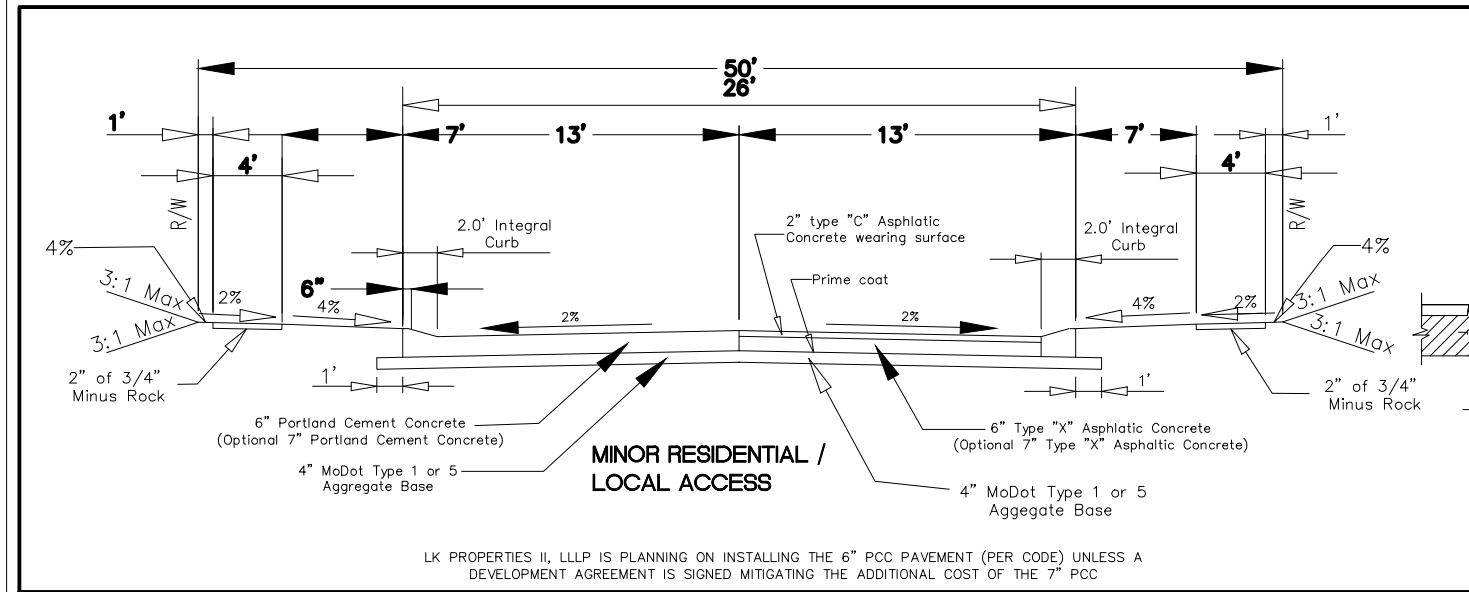
MINOR ARTERIAL WITH PARKWAY OPTION



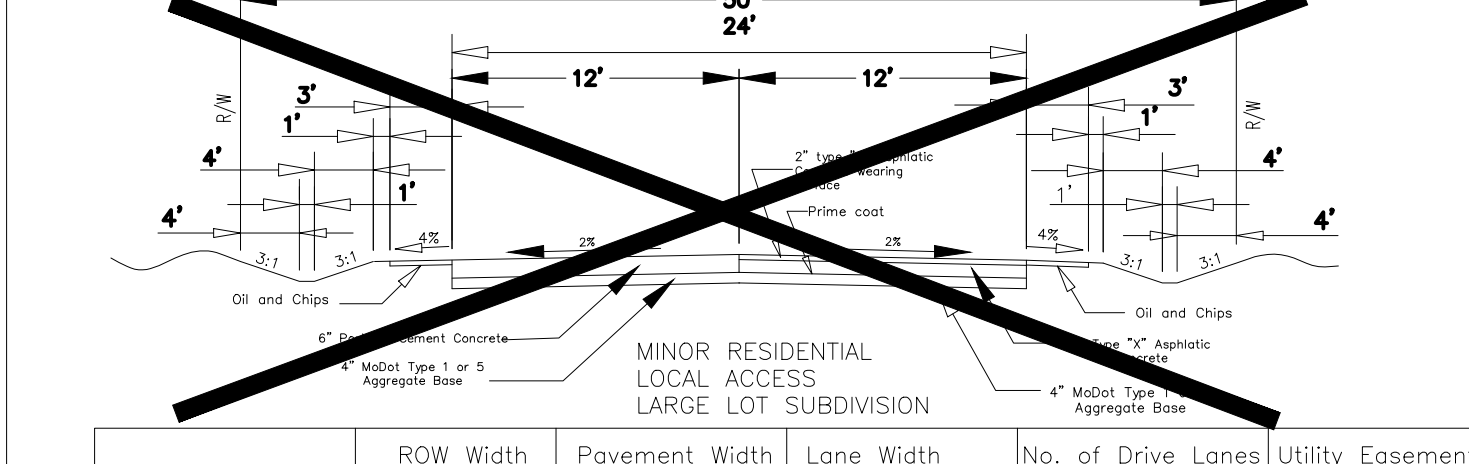
COLLECTOR



COLLECTOR WITH PARKWAY OPTION



MINOR RESIDENTIAL / LOCAL ACCESS



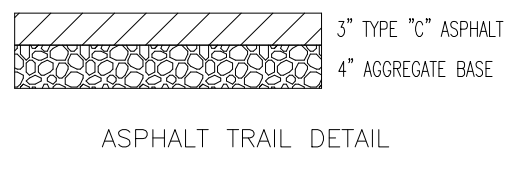
MINOR RESIDENTIAL LOCAL ACCESS LARGE LOT SUBDIVISION

	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.

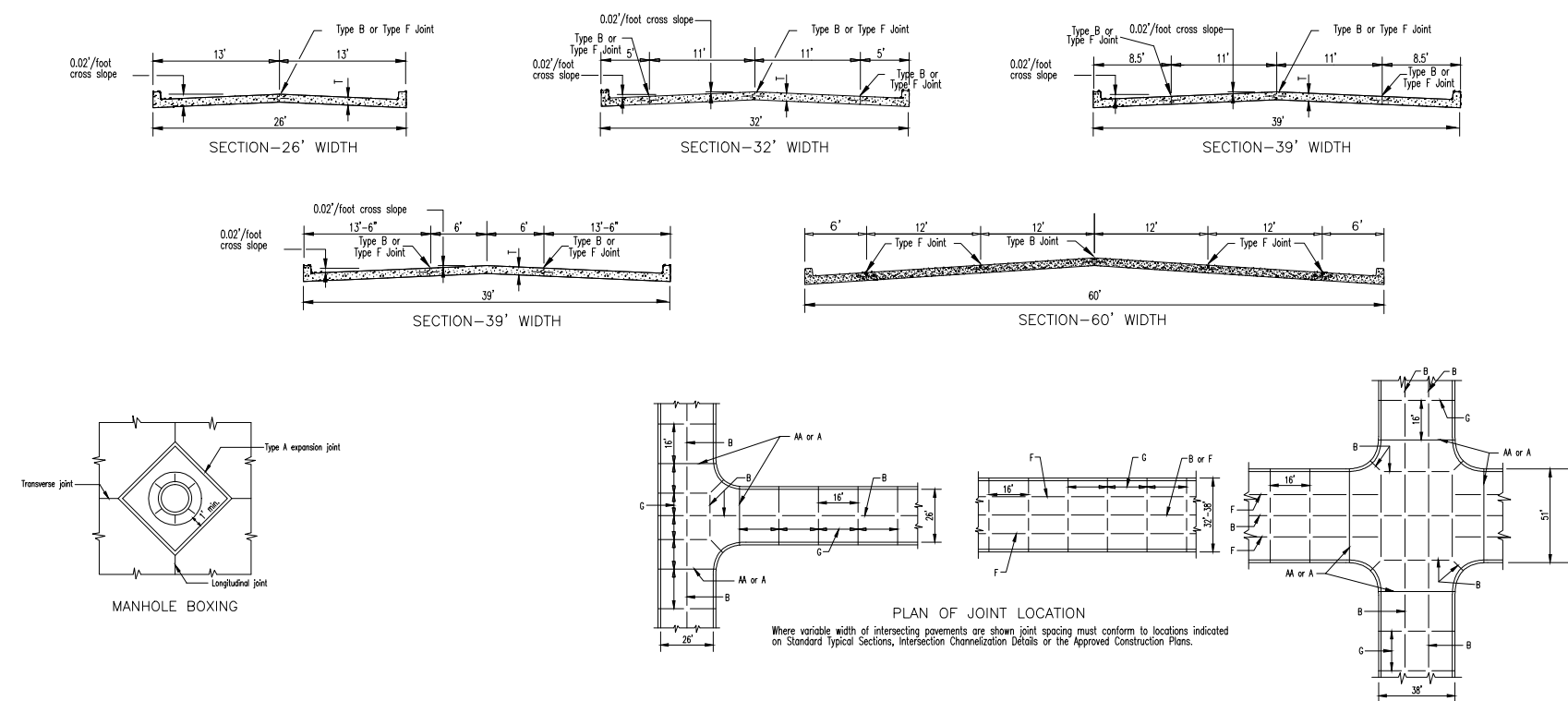
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 Typical Pavement Design
 SECTION NO. 405370



ASPHALT TRAIL DETAIL

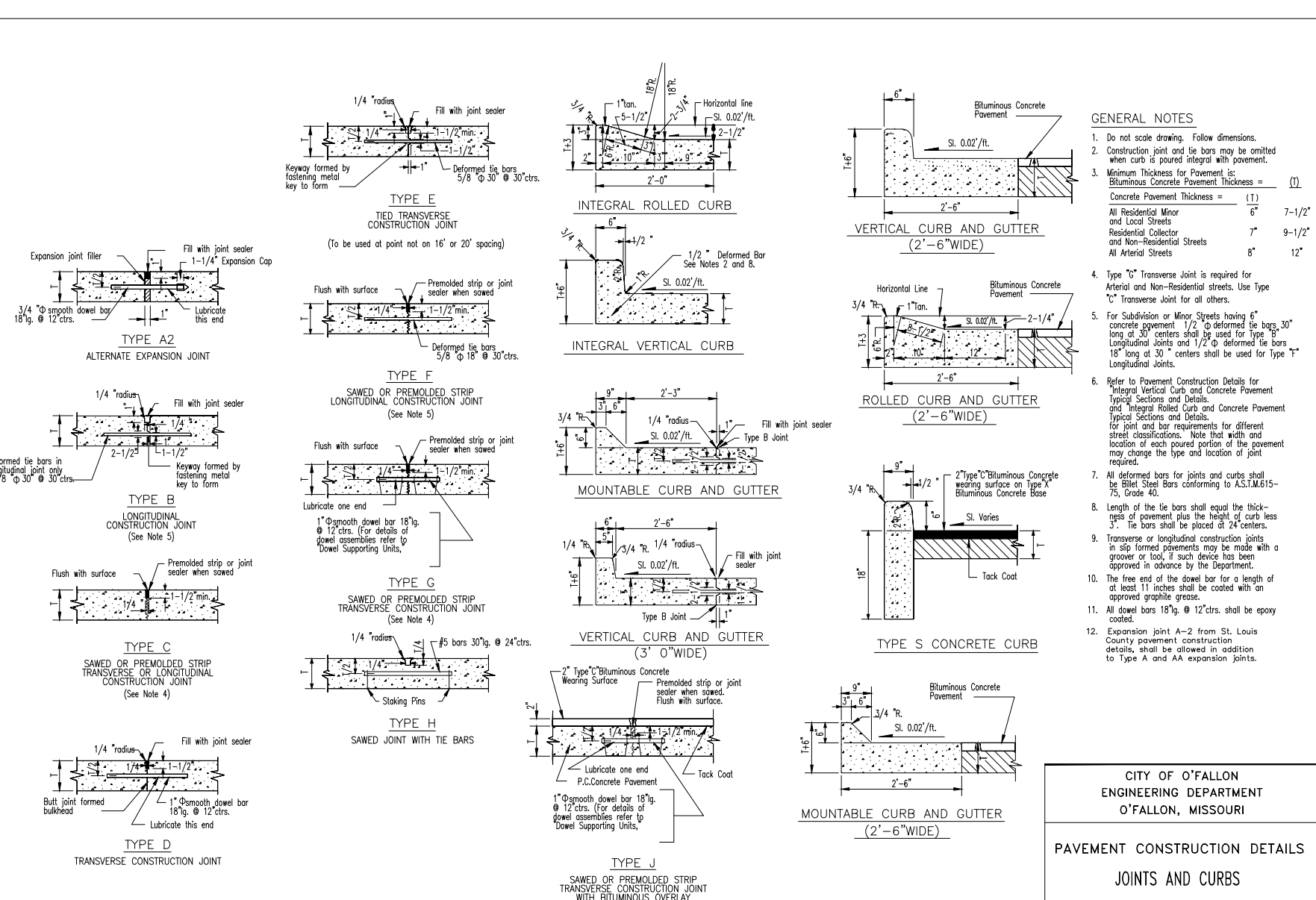
- NOTES:
- THE ASPHALT SURFACE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY.
 - AGGREGATE BASE SHALL BE PLACED ON PREPARED SUBGRADE.

INTEGRAL VERTICAL CURB AND CONCRETE JOINT DETAILS



- GENERAL NOTES:
- Do not scale drawing. Follow dimensions.
 - All street joints shall be supported from the pavement and curb by expansion joint material extending completely through curb and into subgrade.
 - When a joint falls within 18" of or contacts inlets, manholes, or other structures, inlets and/or manholes shall be offset to permit joint to fall on road structure and not on curb. Inlets and/or manholes shall be offset by 18" or between corners of rectangular structures.
 - Manhole configurations are shown in the "Manhole Boxing" Detail.
 - Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
 - Minimum Thickness for Pavement is:
 - At Non-Residential Street: 4"
 - At Arterial Streets: 6"
- NOTE: Joint filler material shall meet ASTM designations as follows:
 Expansion Type: TYPE C
 1 1/2" smooth down face 18" x 12" x 12"
 New extruded & modified bituminous type (Rubber): ASTM D-1549

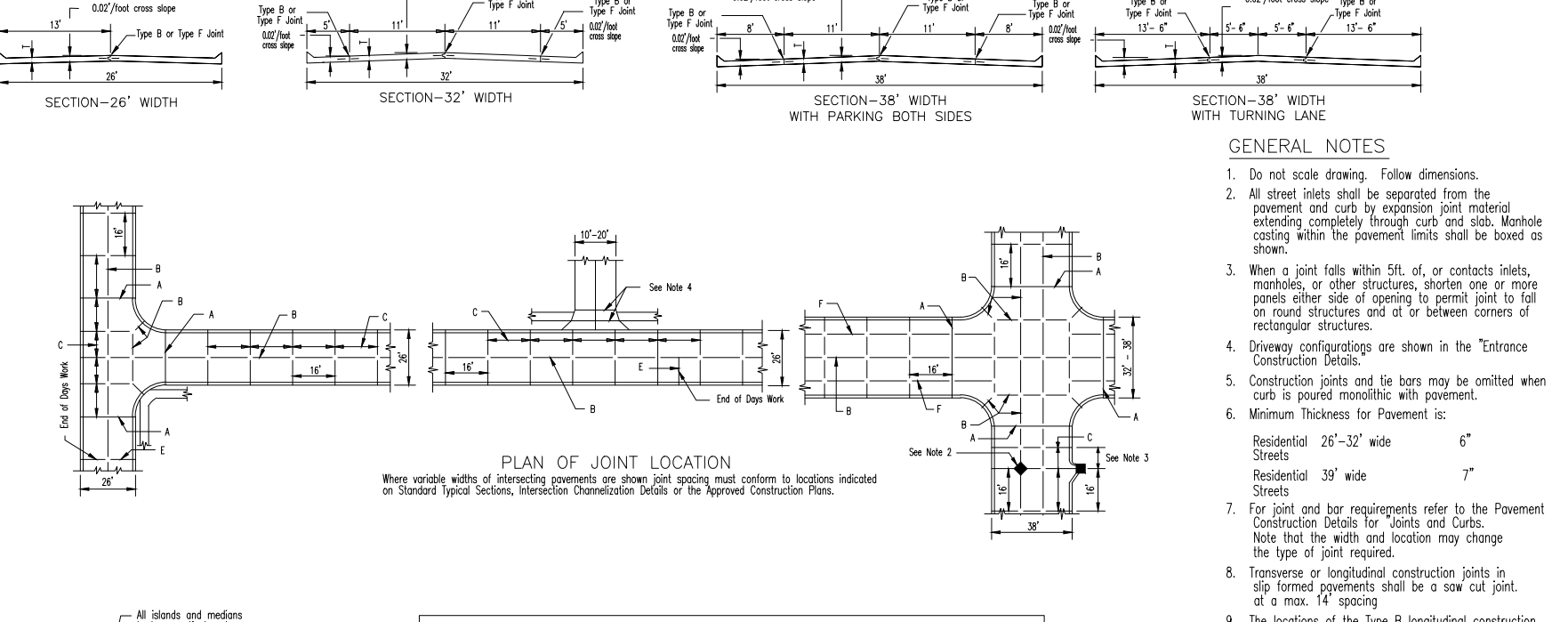
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 PAVEMENT CONSTRUCTION DETAILS
 INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT
 TYPICAL SECTIONS AND DETAILS



- GENERAL NOTES:
- Do not scale drawing. Follow dimensions.
 - Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
 - When a joint falls within 18" of or contacts inlets, manholes, or other structures, inlets and/or manholes shall be offset to permit joint to fall on road structure and not on curb. Inlets and/or manholes shall be offset by 18" or between corners of rectangular structures.
 - Manhole configurations are shown in the "Manhole Boxing" Detail.
 - Construction joint and tie bars may be omitted when curb is poured monolithic with pavement.
 - Minimum Thickness for Pavement is:
 - At Non-Residential Street: 4"
 - At Arterial Streets: 6"
 - Refer to Pavement Construction Details for Joint Filler Material and Concrete Placement Requirements. Refer to Section 405370 for details on expansion joint material.
 - Length of tie bars shall equal the thickness of pavement plus 2" on each end. Tie bars shall be placed at 24" intervals.
 - Expansion joint and tie bars shall be placed at a length of 24" on each end of the curb.
 - All steel bars 1/2" x 12" shall be epoxy coated.
 - Expansion joint A-2 from St. Louis County standard construction details shall be used for Type A and A-2 expansion joints.

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

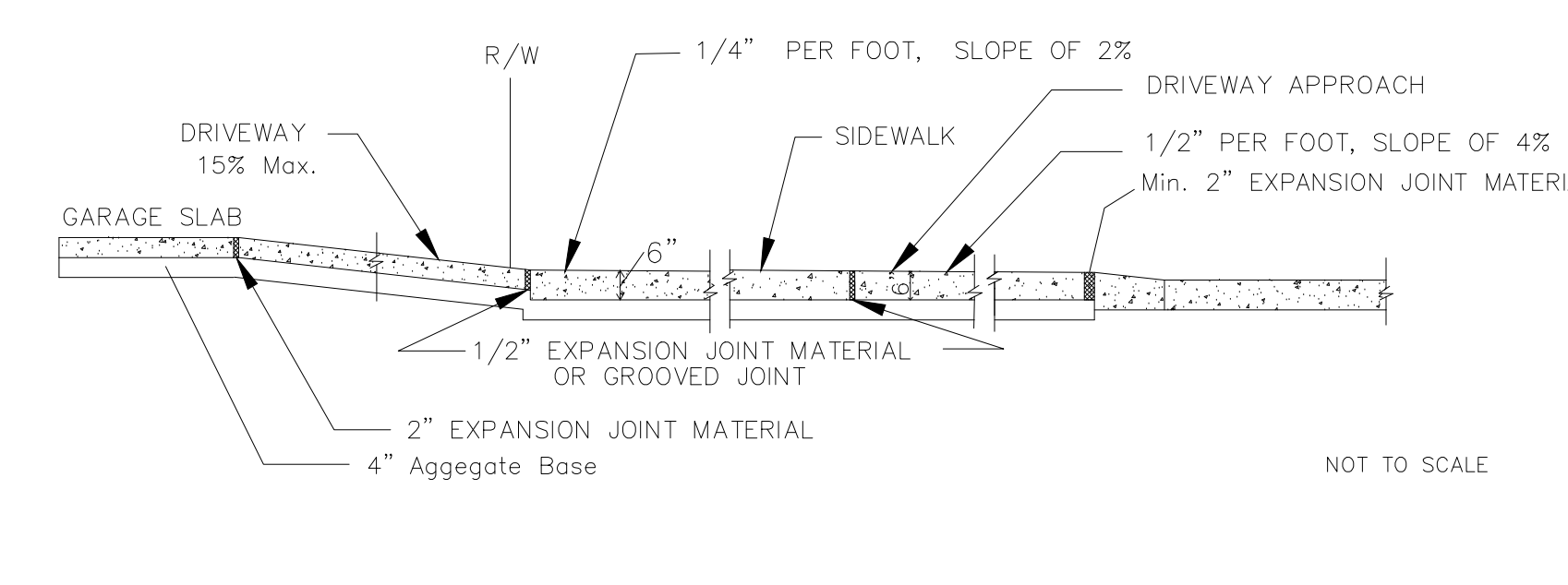
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS



JOINT REQUIREMENTS FOR CONCRETE PAVEMENT

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS
3 LANE TRANSVERSE	TYPE C	1" smooth down face 18" x 12" x 12"
RESIDENTIAL 32'-36' WIDE PAVEMENT	TYPE F	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE A	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE B	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE C	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE D	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE E	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE F	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE G	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE H	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE I	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE J	1 1/2" smooth down face 18" x 12" x 12"
RESIDENTIAL 2 LANE 26' WIDE PAVEMENT	TYPE K	1 1/2" smooth down face 18" x 12" x 12"

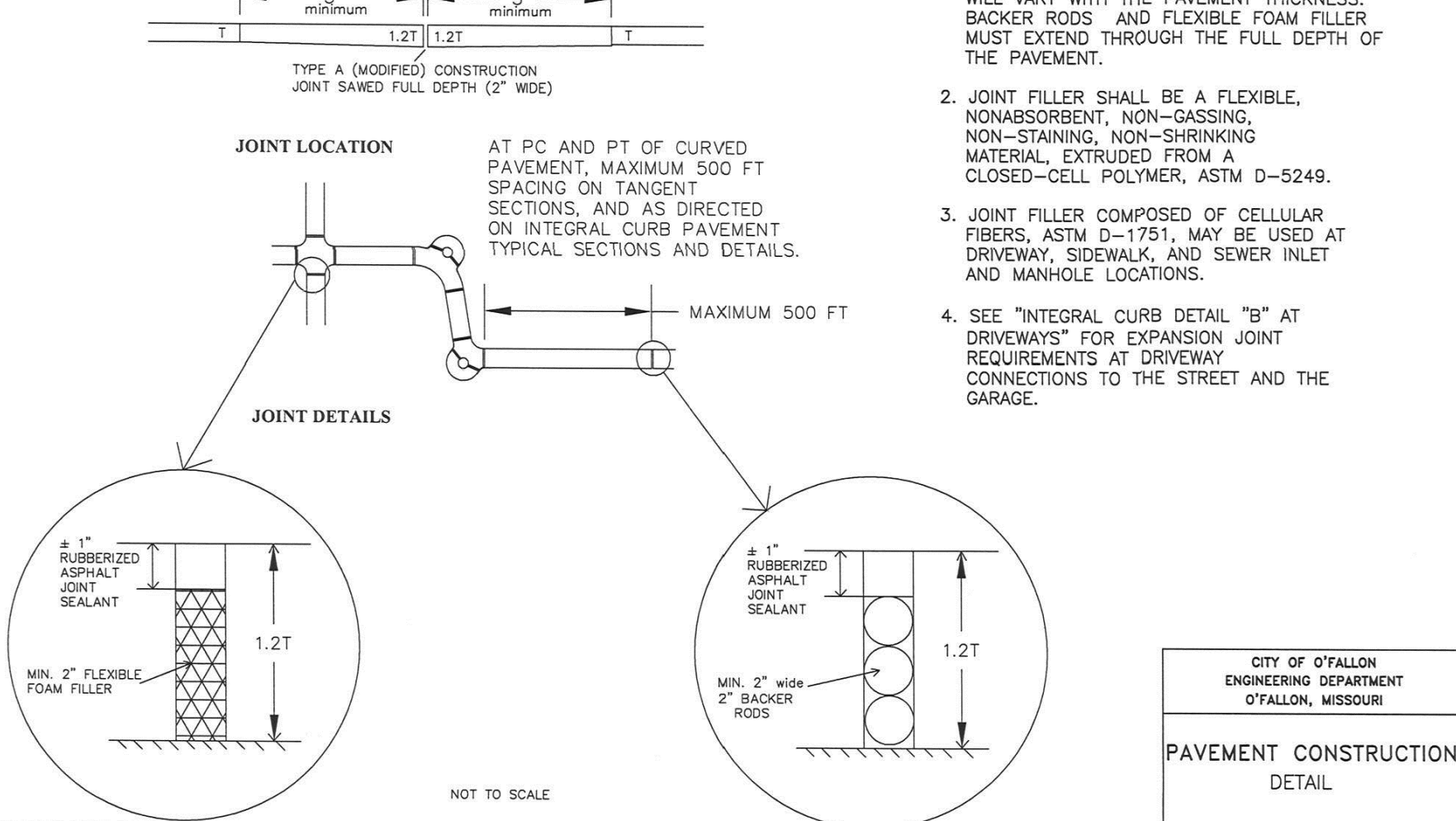
CITY OF O'FALLON
 ENGINEERING DEPARTMENT
 O'FALLON, MISSOURI
 PAVEMENT CONSTRUCTION DETAILS
 INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT
 TYPICAL SECTIONS AND DETAILS



- NOTES:
- All driveway entrances shall be six (6) inches P.C.C. in depth from the curb to the property line.
 - 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.
 - 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

TYPE A (MODIFIED) CONSTRUCTION JOINT



- NOTES:
- 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.
 - JOINT FILLER SHALL BE A FLEXIBLE, NONABSORBENT, NON-GASSING, NON-STAINING, NON-SHRINKING MATERIAL. EXTRUDED FROM A CLOSED-CELL POLYMER, ASTM D-5249.
 - JOINT FILLER COMPOSED OF CELLULAR FIBERS, ASTM D-1751, MAY BE USED AT DRIVEWAY, SIDEWALK, AND SEWER INLET AND MANHOLE LOCATIONS.
 - 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

NOTE: ALL NON-REINFORCED CONCRETE SHALL BE 4,000 p.s.i. AT 28 DAYS.

PROJECT TITLE
**IMPROVEMENT PLANS
 WABASH WOODS
 PHASE TWO
 DETAILS**

PICKETT, RAY & SILVER INC
 CIVIL ENGINEERING, LAND SURVEYING,
 AND NATURAL RESOURCES SERVICES
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 22 Richmond Center Court
 St. Peters, MO 63376
 Phone (636) 397-1211 Fax (636) 397-1104
 www.prsinc.com 1-800-708-3918
 PFS No. 15074.KAPD.00R
 TASK 002

ENGINEERS AUTHENTICATION
 THE RESPONSIBILITY FOR PROFESSIONAL ENGINEERING LIABILITY ON THIS PROJECT IS LIMITED TO THE SET OF PLANS AUTHENTICATED BY THE SEAL, SIGNATURE, AND DATE HEREON ATTACHED. RESPONSIBILITY IS DISCLAIMED FOR ALL OTHER ENGINEERING PLANS PROVIDED IN THIS PROJECT AND SPECIFICALLY EXCLUDES REVISIONS AFTER THIS DATE UNLESS REAUTHENTICATED.
PICKETT, RAY & SILVER, INC. MO LICENSE #000336

KARL A. SCHOENIKE, P.E.
 PROFESSIONAL ENGINEER LICENSE #200315039

Developer / Owner Information
LK PROPERTIES II, LLLP
 PO Box 340
 St. Peters, Missouri 63376

P+Z No. 20100.04
 City No. 15-639-SP

Page No. 17 of 24
 DETAILS

*** O'FALLON FOR APPROVAL *** 03/02/16 ***