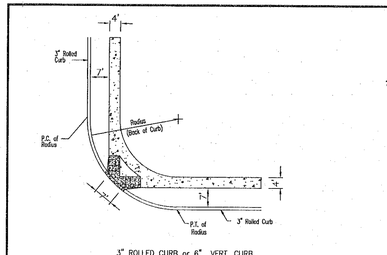
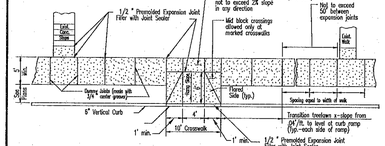
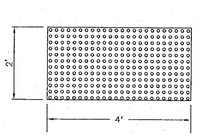
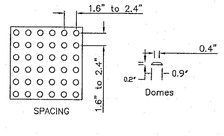


3" ROLLED CURB or 6" VERT. CURB

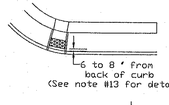


TYPICAL SIDEWALK INSTALLATION
(WITH MIDBLOCK CURB RAMP - TYPE 7)





Truncated Domes



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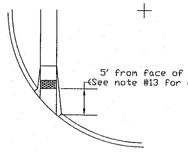
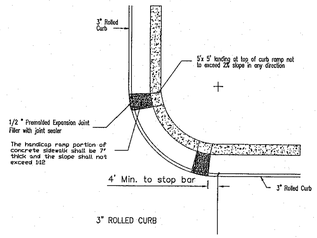
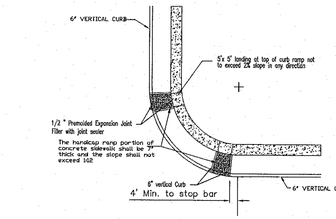


Placement of Truncated Domes



3" ROLLED CURB



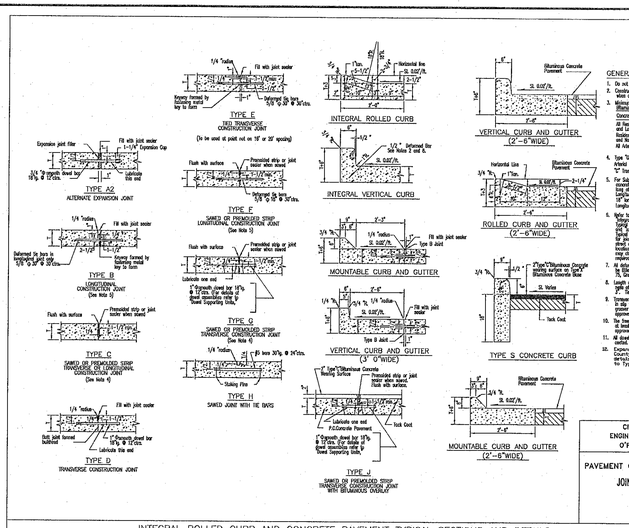
6" VERTICAL CURB

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved Americans with Disabilities Act Accessibility Guidelines (ADAG)
3. Minimum sidewalk width along 6" vertical curb shall be 5 feet. Minimum sidewalk width along 3" rolled curb shall be 4 feet.
4. Maximum sidewalk cross slope 0.02"/ft..
5. All sidewalk sections shall be 4" thick, except where indicated as 7" thick by shaded portions shown on details.
6. Where curb ramp meets pavement, Bullnose will not be permitted.
7. If integral concrete curb is constructed, strike a dummy joint across bottom of ramp at curb line. If concrete curb is doweled-on, block out pavement to provide full depth curb across ramp from outer point of curb taper to outer point of curb taper.
8. For pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for slants and Curbs.
9. For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Sections".
10. The intersection of two sidewalks or the intersection of a sidewalk and a driveway may serve as a wheelchair passing space on sidewalks less than 5 feet wide.
11. All curb ramps shall have a detectable warning complying with Americans with Disabilities Act Accessibility Guidelines (ADAG).
12. All ramps must line up with the coressponding ramp on the other side of the street or intersection.
13. All truncated domes shall run parallel to the road that it's crossing.
14. Truncated warning domes shall not be stamped and will be a ADA approved product.

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

PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All street inlets shall be separated from the pavement and curb by expansion joint material extending completely through curb and slab. Maintain casting within the pavement limits shall be boxed as shown.
3. When a joint falls within 5ft. of, or contacts inlets, manholes, or other structures, structure uses or more panels either side of opening to permit joint to fall on normal structure and at or between corners of rectangular structures.
4. Driveway configuration are shown in the "Entrance Construction Details."
5. Construction joints and tie bars may be omitted when curb is poured monolithic with pavement.
6. Minimum Thickness for Pavement is:

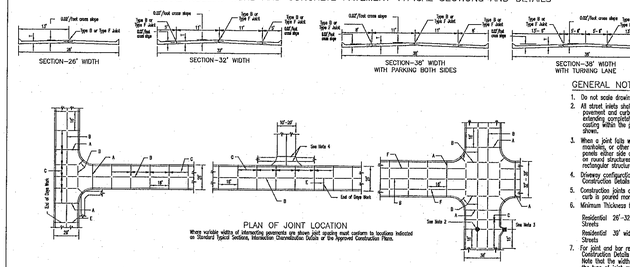
Residential 26'-32' wide Streets	6"	7"
Residential 36' wide Streets	7"	8-1/2"
Residential Collector and Non-Residential Streets	8"	12"
All Arterial Streets		

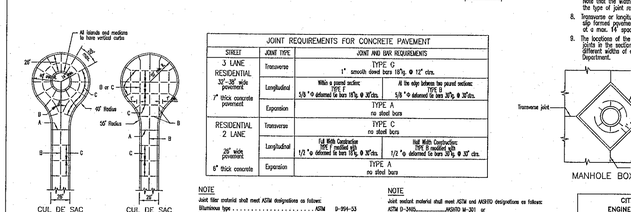
7. Type "S" transverse Joint is required for Arterial and Non-Residential streets. Use Type "C" transverse Joint for all others.
8. For Subdivision or Minor Grading Permits if exceeds pavement 12" to be reformed to avg. 30" below finish grade. Reformed to be 18" lg. @ 12" ctrs. Where pavement is 12" or less, bars 18"long at 30" centers shall be used for Type "C" longitudinal Joints.
9. Refer to Pavement Construction Details for Arterial, Vertical Curb and Concrete Pavement, Curbs, Gutters and Concrete Pavement, Integral Curb and Gutter and Details.
10. All steel and bar requirements for different types of curb and gutter shall be the same as the thickness of which ever portion of the concrete pavement they change the type and location of joint if any.
11. All deformed bars for slabs and curbs shall be ASTM A615 Grade 60 and conforming to AASHTO-M, Classs 40.
12. Length of the bars shall equal the thickness of the slab minus 3" plus 6" unless the bars are to be placed in dowel holes.
13. Transverse or longitudinal construction joints, at the formed pavement may be made with a groover or tool, if such device has been approved in advance by the Department.
14. Tie bars 18" lg. are shown but for a length of 24" bars may be used if the contact ends on approved keyway pieces.
15. All dowel bars 18"lg. @ 12"ctrs. shall be epoxy coated.
16. Expansion Joint and Fiber 25 Louis Expansion Joint Material, ASTM D-1751, shall be allowed in addition to Type A and B 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



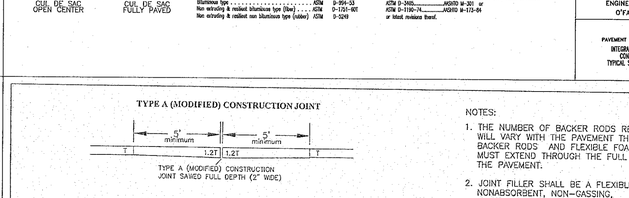


GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All street inlets shall be separated from the pavement and curb by expansion joint material extending completely through curb and slab. Maintain casting within the pavement limits shall be boxed as shown.
3. When a joint falls within 5ft. of, or contacts inlets, manholes, or other structures, structure uses or more panels either side of opening to permit joint to fall on normal structure and at or between corners of rectangular structures.
4. Driveway configuration are shown in the "Entrance Construction Details."
5. Construction joints and tie bars may be omitted when curb is poured monolithic with pavement.
6. Minimum Thickness for Pavement is:

Residential 26'-32' wide Streets	6"
Residential 36' wide Streets	7"

7. For joint and bar requirements refer to the Pavement Construction Details for Slants and Curbs. Note that the width and location may change the type of joint required.
8. Transverse or longitudinal construction joints in slip formed pavements shall be a saw cut joint. at a max. 14' spacing
9. The locations of the Type B longitudinal construction joints in the sections may be interchanged for the different widths of construction if approved by the Department.



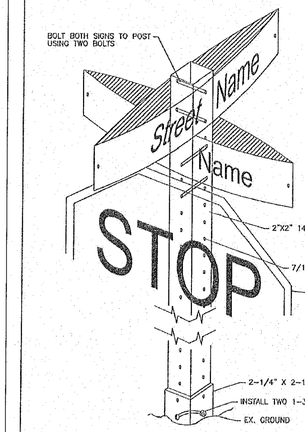
JOINT REQUIREMENTS FOR CONCRETE PAVEMENT			
STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS	
3 LANE RESIDENTIAL 32'-36' wide pavement 7" thick concrete pavement	Transverse	TYPE C 1" smooth dowel bars 18"lg. @ 12" ctrs.	
	Longitudinal	Within a poured section TYPE F 5/8 "ø deformed tie bars 18"lg. @ 30"ctrs.	At the edge between two poured sections TYPE B 5/8 "ø deformed tie bars 30"lg. @ 30"ctrs.
	Expansion	TYPE A no dowel bars	
RESIDENTIAL 2 LANE 26' wide pavement 6" thick concrete	Transverse	TYPE C no dowel bars	
	Longitudinal	Full Width Construction TYPE F modified with 1/2 "ø deformed tie bars 18"lg. @ 30"ctrs.	Half Width Construction TYPE B modified with 1/2 "ø deformed tie bars 30"lg. @ 30" ctrs.
	Expansion	TYPE A no dowel bars	

NOTE
Joint filler material shall meet ASTM designations as follows:
Bituminous type ..... ASTM D-994-53
Non extruding & molded bituminous type (fiber) ..... ASTM D-1751-59T
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-173-84
or latest revisions thereof.

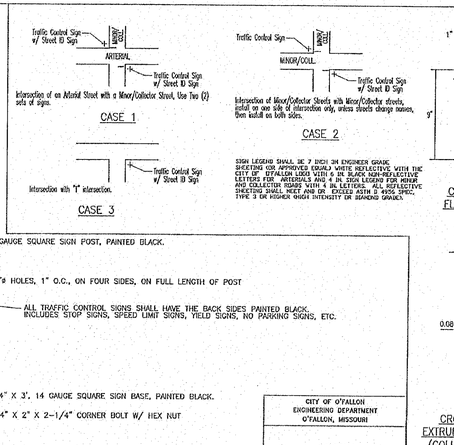
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

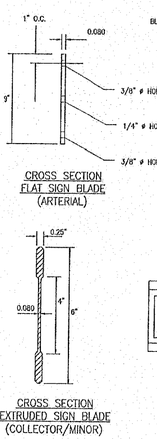
PAVEMENT CONSTRUCTION DETAILS
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT
TYPICAL SECTIONS AND DETAILS

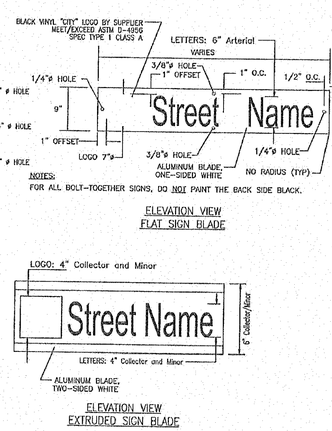


CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

ARTERIAL
SIGNS







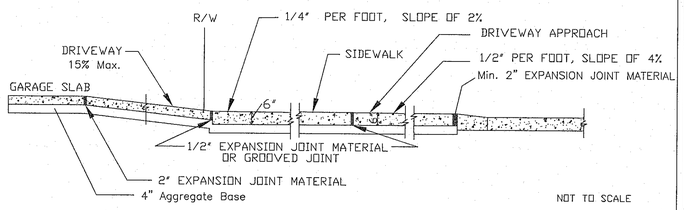
NOTES:
FOR ALL BOLT-TOGETHER SIGNS, DO NOT PAINT THE BACK SIDE BLACK.

GENERAL NOTES:

1. ALL SIGN POST AND BACK OF SIGNS THAT ARE TO BE PAINTED BLACK SHALL USE A PAINT SYSTEM THAT PROVIDES A MINIMUM 7 YEAR LIFE EXPECTANCY. MAY USE:
   a) "CANADUME WHITEWASH" BASE AT 1-2 MILS THICK, "CANADUME 893 SIG" MID-LAYER AT 3-5 MILS THICK, "CANADUME 133 HS" TOP COAT OR APPROVED EQUAL,
   OR
   b) ELECTROSTATIC APPLIED, BLACK POWDER COATED AND BAKED ON PAINT SYSTEM AT 2-3 MILS THICKNESS OR APPROVED EQUAL.
2. ALL SIGN LOCATIONS AND SIZES MUST BE APPROVED BY THE ENGINEERING DIVISION PRIOR TO INSTALLATION.
3. SINGLE PIECE SIGN PANELS SHALL BE 9 INCHES WIDE FLAT, BOLT TOGETHER FOR ADDITIONAL WIDTH, AND NO LESS THAN 9 INCHES WIDE EXTRUDED ALUMINUM PANELS FOR ALL MINOR AND COLLECTOR ROADS. TYPICAL LENGTHS FOR MINOR AND COLLECTOR SIGNS SHALL BE 24, 30 & 36 INCH LENGTHS, OR LONGER AS NEEDED, TO ACCOMODATE STREET NAMES.
4. SIGN LEGEND SHALL BE 7 INCH SN ENGINEER GRADE SHEETING (OR APPROVED EQUAL) WHITE REFLECTIVE WITH THE CITY OF O'FALLON LOGO WITH 9 INCH BLACK NON-REFLECTIVE LETTERS FOR ARTERIALS AND 4 INCH SIGN LEGEND FOR MINOR AND COLLECTOR ROADS WITH 4 INCH LETTERS. ALL REFLECTIVE SHEETING SHALL MEET AND OR EXCEED ASTM-D-4956 SPEC, TYPE 3 OR HIGHER (HIGH INTENSITY OR DIAMOND GRADE).
5. "CLEARVIEW" FONT SHALL BE USED ON ALL STREET SIGNS.
6. SIGN POSTS SHALL BE HEAVY "U" CHANNEL (2 LBS/FT) PAINTED BLACK STEEL POSTS FOR COLLECTOR/MINOR STREETS. ARTERIAL STREETS SHALL HAVE 2" SQUARE POSTS WITH BREAKAWAY ASSEMBLY.
7. SIGN POSTS SHALL EXTEND A MINIMUM OF 20 INCHES INTO THE GROUND FOR STABILITY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHOWN OR NOT SHOWN. PLEASE CONTACT THE CITY OF O'FALLON FOR LOCATION OF CITY UTILITIES NOT FOUND BY UNI-RITE SERVICES.
9. SIGNS SHALL NOT CREATE A SIGHT DISTANCE PROBLEM OR CONFLICT WITH PEDESTRIAN TRAFFIC.
10. SPEED LIMIT SIGNS MUST BE AT EVERY ENTRANCE TO A SUBDIVISION ALONG THE LOT LINE BETWEEN THE FIRST AND SECOND LOT AND APPROXIMATELY EVERY TWO THOUSAND (2,000) FEET THERE AFTER. ALSO, EVERY CONNECTING SIDE STREET MUST HAVE ONE SPEED LIMIT SIGN APPROXIMATELY FIFTY FEET FROM THE INTERSECTION AND APPROXIMATELY EVERY TWO THOUSAND (2,000) FEET THERE AFTER.
11. ALL SIGNS UNLESS OTHERWISE STATED, SHOULD BE CONSTRUCTED AND INSTALLED PER MUTCD.

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

SIGNS,
DETAILS AND LOCATIONS



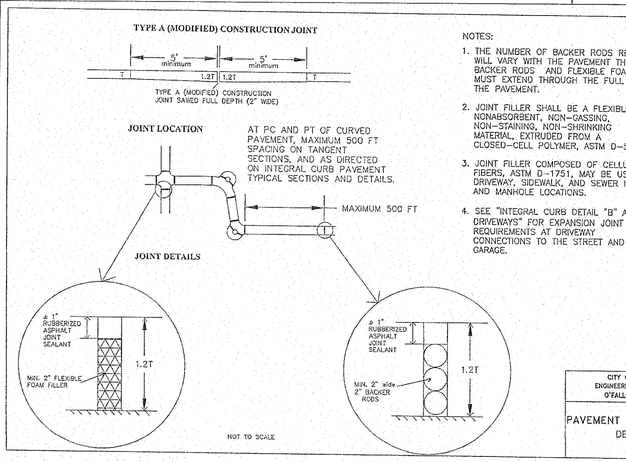
NOTES:

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 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



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

ENGINEERS SEAL DOES NOT APPLY TO CITY OF O'FALLON DETAILS ON THIS SHEET.

PROJECT TITLE:
KEYSTONE RIDGE

Bax Project #16-16857 | Issue Date: 02/20/2017

ENGINEERING
PLANNING
SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5662
FAX 928-1718

DISCLAIMER OF RESPONSIBILITY
I hereby specify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

REVISIONS

05/01/17	CITY COMMENTS
07/20/17	CITY COMMENTS
08/07/17	CITY COMMENTS
08/21/17	CITY COMMENTS
08/31/17	CITY COMMENTS
10/02/17	CITY COMMENTS

Developer / Owner:
KEYSTONE RIDGE LAND, LLC
10328 LAKE BLUFF DRIVE
ST. LOUIS, MO 63123
314-892-3030 EXT. 121

REFERENCE DETAILS

P+Z No.
#32-16

City No.
#

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