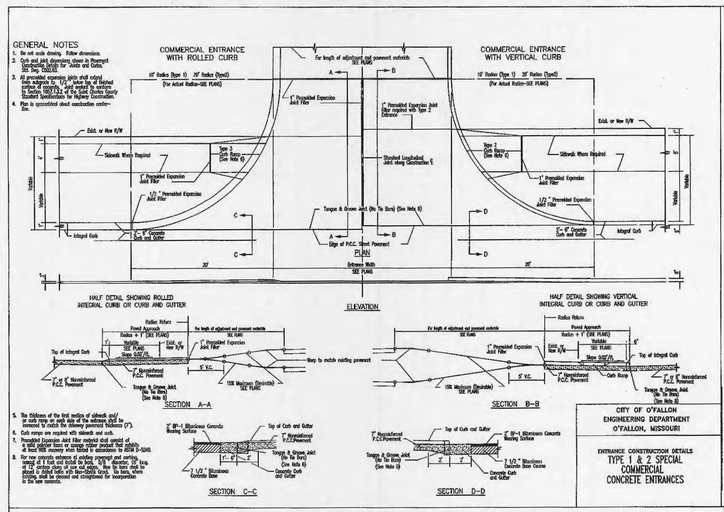
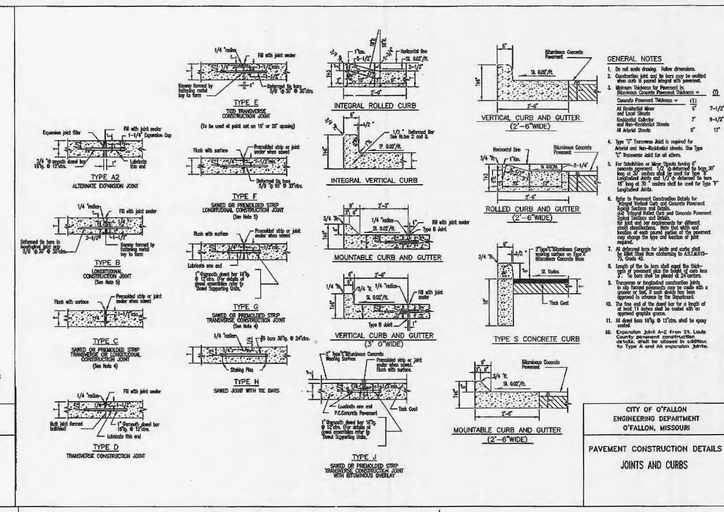


CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

ENTRANCE CONSTRUCTION DETAILS
TYPE 1 & 2 SPECIAL COMMERCIAL CONCRETE ENTRANCES



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Curb and joint dimensions shown are Portland Cement Concrete (with 5" Joints and Curbs, 351 Deg. Concrete).
3. All premolded expansion joints shall extend the full depth of the curb, and to the full depth and surface of concrete. Joint material to conform to Section 1057.3.2 of the Joint Choice Equity Standard Specifications for Highway Construction.
4. Plan to specified sheet construction centerline.
5. The thickness of the first section of sidewalk and/or driveway from the back of the sidewalk shall be 7" minimum for a distance equal to the sidewalk thickness (7").
6. Curb ramps are required with sidewalk and curbs.
7. Premolded Expansion Joint filler material and sealant shall be installed in accordance with the manufacturer's recommendations.
8. For new concrete entrances of existing pavement and parking lots, the joint shall be sawed to a depth of 1/4 of the slab and 1" wide or to a depth of 1" wide. The joint shall be placed in skilled traffic with Non-Shrink Grout. No tack, where trimming, shall be allowed and straightened for incorporation in the base concrete.

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

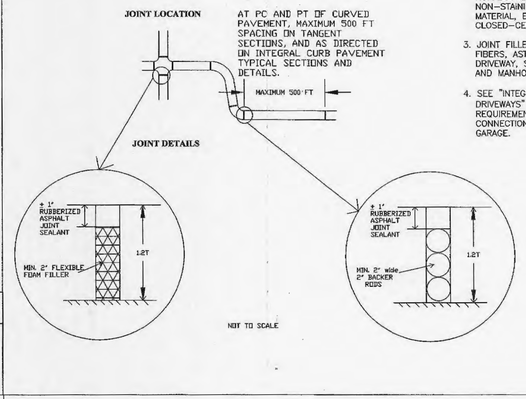
PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS

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.



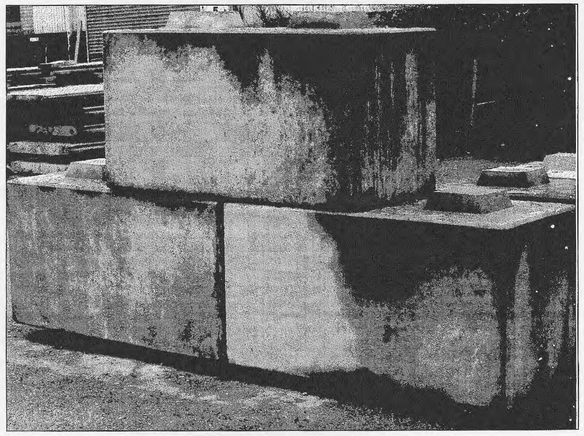
NOT TO SCALE

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.

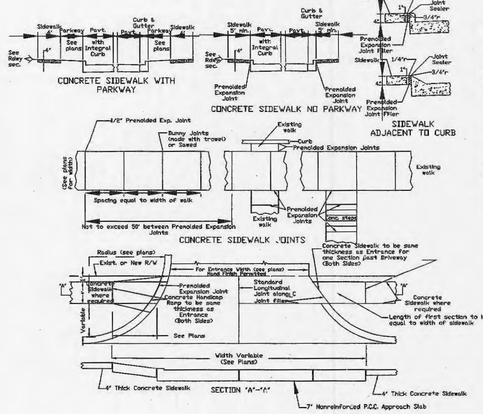
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAIL



HERCULES BLOCK

59"X29"X31" BLOCK TO BE PLACED AS TEMPORARY BARRICADE AT END OF ROADWAY.

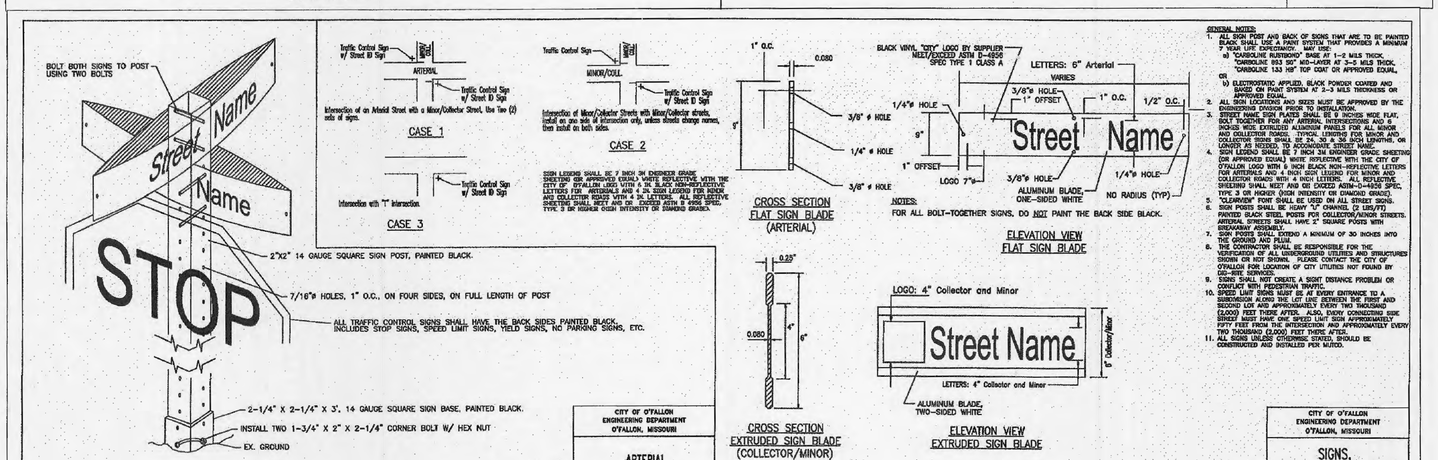


GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalk cross slope 0.02'/ft.
3. Sidewalk thickness increases to 8" on each side of Private Driveways and 7" on each side of Commercial Driveways for one section of sidewalk equal in length to the width of the sidewalk. See "Entrance Construction Details".
4. For sidewalk locations on Cul-De-Sacs see "Pavement Construction Details".
5. For longitudinal and transverse joints, dowel, and tie bar requirements and dimensions refer to the "Integral Curb Pavement Typical Sections and Details".
6. For roadway cross slopes, pavement types, and thickness, refer to "Standard Typical Section".

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

CONCRETE SIDEWALK THROUGH COMMERCIAL ENTRANCES



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 SERVICE EXPECTANCY. MAY USE:
   a) "CARBOLINE RUSTBOND" BASE AT 1-2 MILS THICK, "CARBOLINE 893 SG" MID-LAYER AT 3-5 MILS THICK, "CARBOLINE 133 HB" 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. STREET NAME SIGN PLATES SHALL BE 9 INCHES WIDE FLAT, BOLT TOGETHER FOR ANY ARTERIAL INTERSECTIONS AND 6 INCHES WIDE EXTRUDED ALUMINUM PANELS FOR ALL MINOR AND COLLECTOR ROADS. TYPICAL LENGTHS FOR MINOR AND COLLECTOR ROADS WILL BE SIGNAGE 4.5M (15 FT) LONGITUDE, ON COLLECTOR ROADS WITH SIGNAGE 3.0M (10 FT).
4. SIGN LEGEND SHALL BE 7 INCH 3M ENGINEER GRADE SHEETING (OR APPROVED EQUAL) WHITE REFLECTIVE WITH THE CITY OF O'FALLON LOGO WITH 6 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 30 INCHES INTO THE GROUND AND PLUM.
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 OUC-RITE SERVICES.
9. SIGNS SHALL NOT CREATE A SIGHT DISTANCE PROBLEM OR CONFLICT WITH PEDESTRIAN TRAFFIC.
10. ONE LIGHT POLE 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

ARTERIAL SIGNS

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

SIGNS, DETAILS AND LOCATIONS

ENGINEER'S SEAL DOES NOT APPLY TO DETAILS ON THIS SHEET.

PROJECT TITLE: PHOENIX METALS

Bax Project # 01-169ID | Issue Date: 06/06/2013

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

01/29/14	CITY COMMENTS
02/03/14	CITY COMMENTS
05/06/14	REVISE UTILITY LAYOUT
08/27/14	REVISE RAIN GARDENS
09/25/14	OWNER REVISIONS
11/20/14	WATER QUAL REVISIONS
12/12/14	CITY COMMENTS
01/28/15	OWNER REVISIONS
02/18/15	CITY/OWNER REVISIONS
04/21/15	CITY/OWNER REVISIONS

Developer / Owner:
MJSM, L.L.C.
2209 DROSTE ROAD
ST. CHARLES, MO 63301
636-949-0680

REFERENCE DETAILS

P+Z No.
#1407.05 & 1407.05.01
Approved May 2, 2013

City No.
#