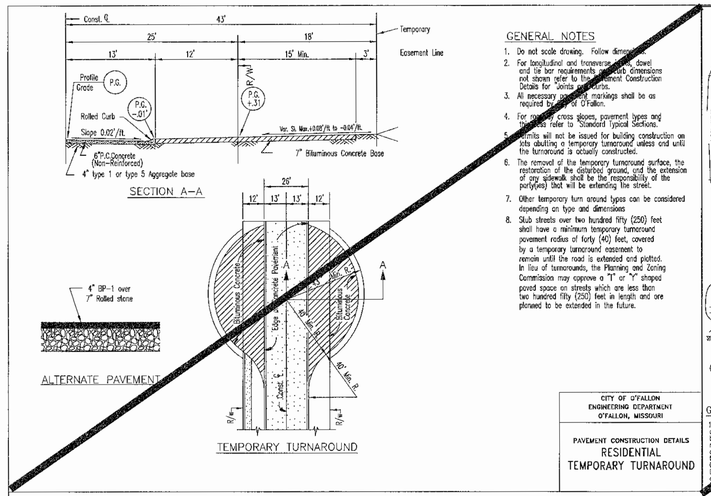
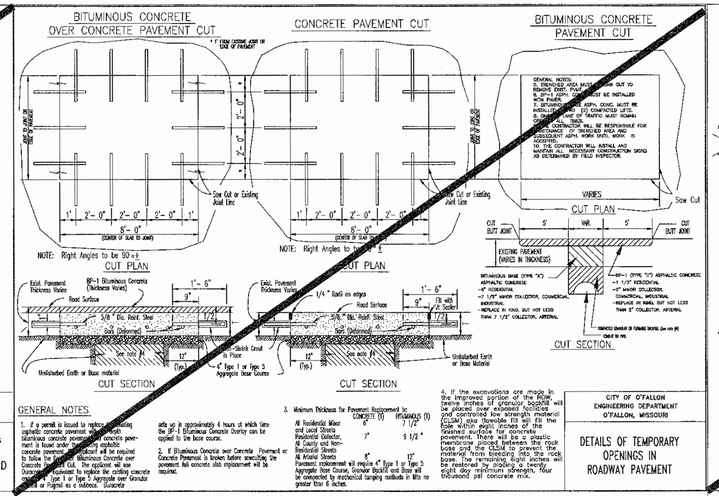


GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions not shown refer to the Pavement Construction Details for "Joints and Curbs".
3. All necessary pavement markings shall be as required by the City of Fallon.
4. For roadway cross slopes, pavement types and thicknesses refer to "Standard Typical Sections."
5. Permits will not be issued for building construction on lots abutting a temporary turnaround until the turnaround is actually constructed.
6. The removal of the temporary turnaround surface, the restoration of the disturbed ground, and the extension of any sidewalk shall be the responsibility of the party(ies) that will be extending the street.
7. Other temporary turn around types can be considered depending on type and dimensions
8. Stub streets over two hundred fifty (250) feet shall have a minimum temporary turnaround pavement radius of forty (40) feet, covered by a temporary turnaround easement to remain until the road is extended and platted. In lieu of turnarounds, the Planning and Zoning Commission may approve a "T" or "Y" shaped paved space on streets which are less than two hundred fifty (250) feet in length and are planned to be extended in the future.

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

PAVEMENT CONSTRUCTION DETAILS
RESIDENTIAL
TEMPORARY TURNAROUND



GENERAL NOTES

1. If a permit is issued to replace existing asphaltic concrete pavement with asphaltic concrete pavement, the existing asphaltic concrete pavement will be required to follow the lines of bituminous Concrete over Concrete Pavement Cut. The optional will use Contractor's discretion to replace the existing concrete pavement with Type 1 or Type 5 Aggregate over Granular Material or Asphalt as a subbase. Bituminous Concrete Base Course shall be placed in one lift as soon as practicable after the subgrade has been approved. Bituminous concrete pavement is found under conditions which will not allow placement of the Bituminous Concrete Base Course in one lift, the second lift shall be placed as soon as practicable after the first lift, but in no case shall the second lift be placed sooner than 24 hours after the first lift has been placed. Bituminous Concrete Base Course shall not be placed when the ambient temperature is below 40° F. and rising.
2. If Bituminous Concrete over Concrete Pavement or Concrete Pavement is broken before specified the pavement that concrete slab replacement will be required.
3. Minimum Thickness for Pavement Replacement for:

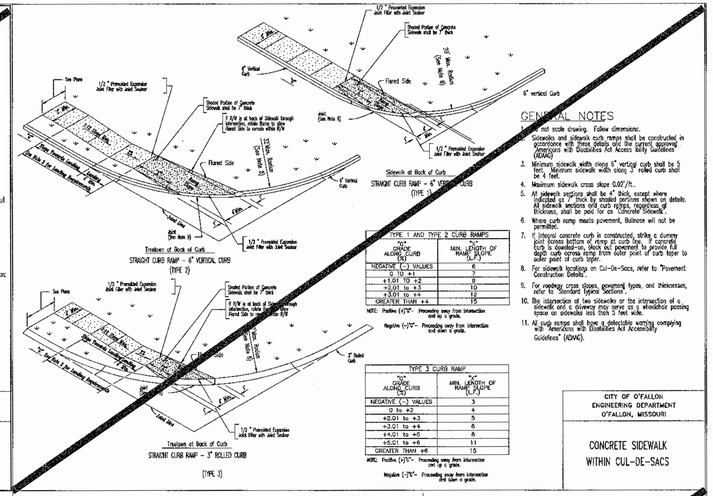
	CONCRETE (1)	BITUMINOUS (1)
All Residential Minor and Local Streets, Residential Collector, All County and Non-Residential Streets	6"	7 1/2"
All Arterial Streets	8"	11"

(1) Pavement replacement will require 4" Type 1 or Type 5 Aggregate Base Course, Granular Backfill and Base will be compacted by mechanical tamping methods in lifts no greater than 6 inches.

4. If the excavations are made in the improved portion of the ROW, twelve inches of granular backfill will be placed over exposed footings and compacted to 95% of maximum density as determined by the Proctor test within eight inches of the finished surface for concrete pavement. There will be a plastic membrane placed between the rock and the backfill to prevent the fine material from bleeding into the rock base. The remaining eight inches will be backfilled by shielding a twenty eight day minimum strength, four thousand psi concrete mix.

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

DETAILS OF TEMPORARY OPENINGS IN ROADWAY PAVEMENT



TYPE 1 AND TYPE 2 CURB RAMPS	
GRADE ALONG CURB (%)	MIN. LENGTH OF RAMP, L (FT)
NEGATIVE (-) VALUES	6
0 TO +1	7
+1.01 TO +2	9
+2.01 TO +3	10
+3.01 TO +4	12
GREATER THAN +4	15

NOTE: Profile (+)"/"- Proceeding away from intersection and up to a grade.
Negative (-)"/"- Proceeding away from intersection and down a grade.

TYPE 3 CURB RAMP	
GRADE ALONG CURB (%)	MIN. LENGTH OF RAMP, L (FT)
NEGATIVE (-) VALUES	3
0 to +2	4
+2.01 to +3	5
+3.01 to +4	6
+4.01 to +5	8
+5.01 to +6	11
GREATER THAN +6	15

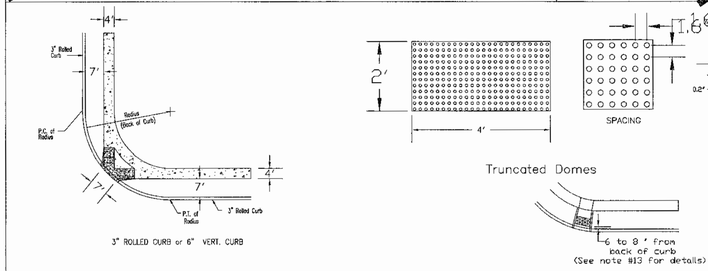
NOTE: Profile (+)"/"- Proceeding away from intersection on up a grade.
Negative (-)"/"- Proceeding away from intersection and down a grade.

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 approving Americans with Disabilities Act Access bility Guidelines" (ADAAG)
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. All sidewalk sections and curb ramps, regardless of thickness, shall be pale for as Concrete Sidewalk.
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 sidewalk locations on Cul-De-Sacs, refer to "Pavement Construction Details".
9. For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Sections".
10. No 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).

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

CONCRETE SIDEWALK WITHIN CUL-DE-SACS



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalk cross slope 0.02"/ft.
3. Sidewalk thickness increases to 6" on each side of Cattle 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

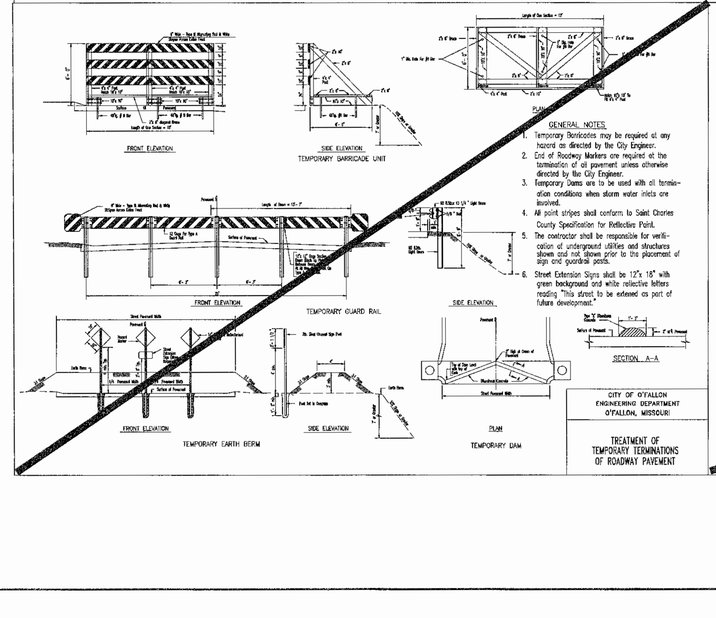
CONCRETE SIDEWALK THROUGH COMMERCIAL ENTRANCES

GENERAL NOTES

1. All sidewalk curb ramps shall be constructed in accordance with these details and the current approving Americans with Disabilities Act Access bility Guidelines" (ADAAG)
2. Minimum sidewalk width along 6" vertical curb shall be 5 feet. Minimum sidewalk width along 3" rolled curb shall be 4 feet.
3. Maximum sidewalk cross slope 0.02"/ft.
4. All sidewalk sections shall be 4" thick, except where indicated as 7" thick by shaded portions shown on details.
5. Where curb ramp meets pavement, Bullnose will not be permitted.
6. 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.
7. For pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Joints and Curbs".
8. For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Sections".
9. 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.
10. All curb ramps shall have a detectable warning complying with "Americans with Disabilities Act Accessibility Guidelines" (ADAG).
11. All ramps must line up with the corresponding ramp on the other side of the street or intersection.
12. All truncated domes shall run parallel to the road that it's crossing.
13. Truncated warning domes shall not be stamped and will be a ADA approved product.

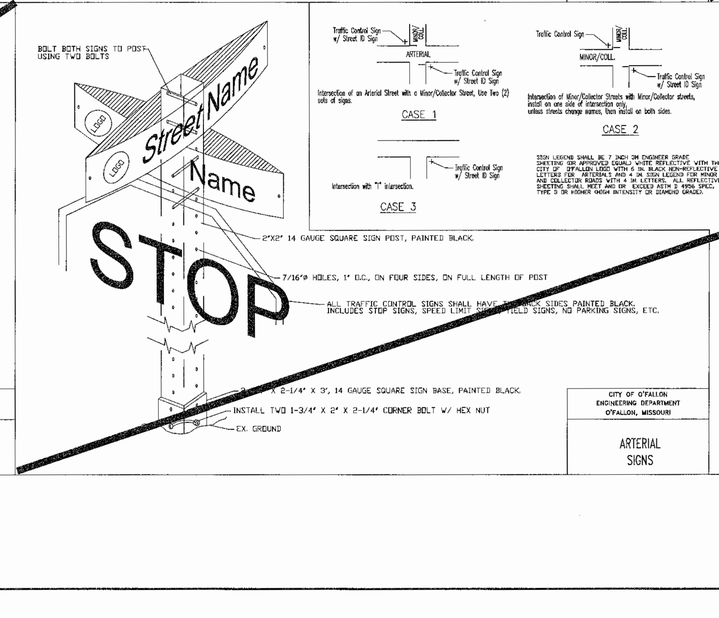
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS

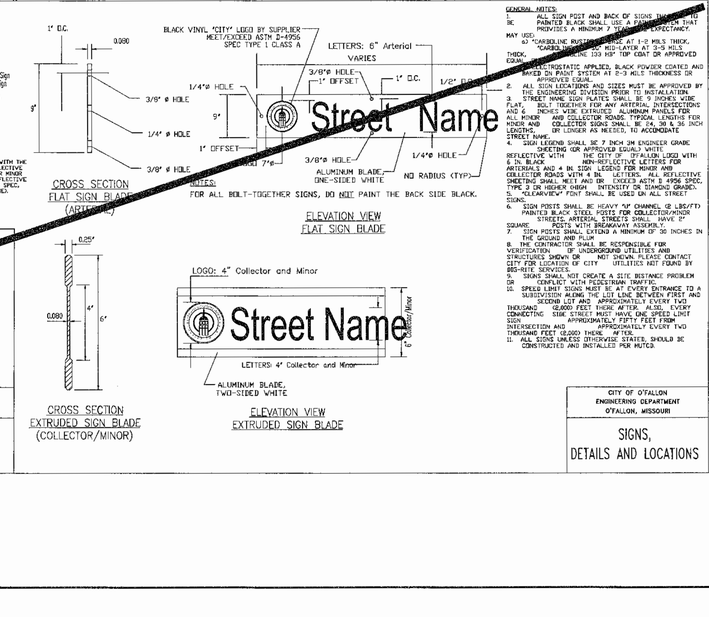


CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

TREATMENT OF TEMPORARY TERMINATIONS OF ROADWAY PAVEMENT



SIGN LEGENDS SHALL BE 2 INCH 3M ENGINEER GRADE SHEETING OR APPROVED EQUAL WHITE REFLECTIVE WITH THE CITY OF O'FALLON LOGO WITH 6 IN. BLACK NON-REFLECTIVE LETTERS FOR ARTERIALS AND 4 IN. SIGN LEGEND FOR MINOR AND COLLECTOR ROADS WITH 4 IN LETTERS. ALL REFLECTIVE SHEETING SHALL MEET AND OR EXCEED ASTM D 4956 SPEC. TYPE 3 OR HIGHER OMSH INTENSITY OR DIAMOND GRADE.



GENERAL NOTES:

1. ALL SIGN POST AND BACK OF SIGNS PAINTED TO BE PAINTED BLACK SHALL USE A POWDER COATING THAT PROVIDES A MINIMUM 2 MIL DRY FILM THICKNESS. MAY USE:
   a) "CARBOLINE RUSTBOND" 888 AT 1-2 MILS THICK.
   "CARBOLINE" 890 MID-LAYER AT 3-5 MILS THICK, TOPPED WITH "CARBOLINE" 1255 HSP TOP COAT OR APPROVED EQUAL.
   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 CITY ENGINEERING DEPARTMENT PRIOR TO INSTALLATION.
3. STREET NAME INDICATE SIGNS 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 SIGNS SHALL BE 24, 30 & 36 INCH LENGTHS, OR LONGER AS NEEDED, TO ACCOMODATE STREET NAME.
4. SIGN LEGENDS SHALL BE 2 INCH 3M ENGINEER GRADE SHEETING (OR APPROVED EQUAL) WHITE REFLECTIVE WITH THE CITY OF O'FALLON LOGO WITH 6 IN. NON-REFLECTIVE LETTERS FOR ARTERIALS AND 4 IN. SIGN LEGENDS FOR MINOR AND COLLECTOR ROADS WITH 4 IN. LETTERS. ALL REFLECTIVE SHEETING SHALL MEET AND OR EXCEED ASTM D 4956 SPEC. TYPE 3 OR HIGHER OMSH 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 TUBE WITH BREAKAWAY ASSEMBLY.
7. SIGN POSTS SHALL EXTEND A MINIMUM OF 30 INCHES IN THE GROUND AND PLUMB.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN OR NOT SHOWN. PLEASE CONTACT CITY FOR LOCATION OF CITY UTILITIES NOT OWNED BY 811-RITE SERVICES.
9. SIGNS SHALL NOT CREATE A SITE DISTANCE PROBLEM OR CONFLICT WITH PEDESTRIAN TRAFFIC.
10. SPEED LIMIT SIGNS SHALL BE PLACED AT ENTRANCE TO A SUBDIVISION, AND NOT IN BETWEEN EVERY STREET AND DRIVEWAY LOT AND APPROXIMATELY EVERY TWO THOUSAND (2,000) FEET. FROM AFTER BLOCK, EVERY CONNECTING SIDE STREET MUST HAVE ONE SPEED LIMIT SIGN APPROXIMATELY FIFTY FEET FROM INTERSECTION AND APPROXIMATELY EVERY TWO THOUSAND FEET (2,000) 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

PROJECT TITLE:

BRYAN ROAD
ANIMAL HOSPITAL

Bax Project # 01-17017E | Issue Date: 4/17/2018

ENGINEERING
PLANNING
SURVEYING
221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 928-1718

REFERENCE DRAWINGS ONLY, ENGINEERS SEAL DOES NOT APPLY TO THESE DETAILS

REVISIONS

4-24-18	PWSD2 comments
5-22-18	city & fire comments

Developer / Owner:
BRYAN ROAD ANIMAL HOSPITAL
1161 BRYAN ROAD
O'FALLON, MO 63366
636-272-3900

PAVEMENT DETAILS

P+Z No. # 18-000622
Approval Date: Mar. 1, 2018
City No. #

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