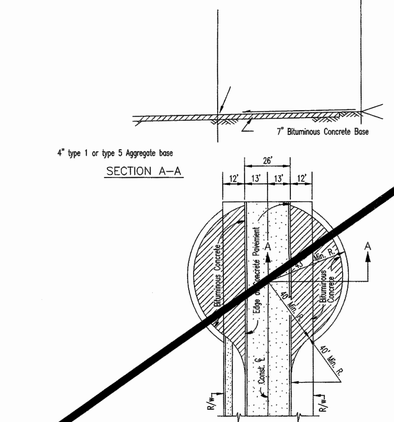
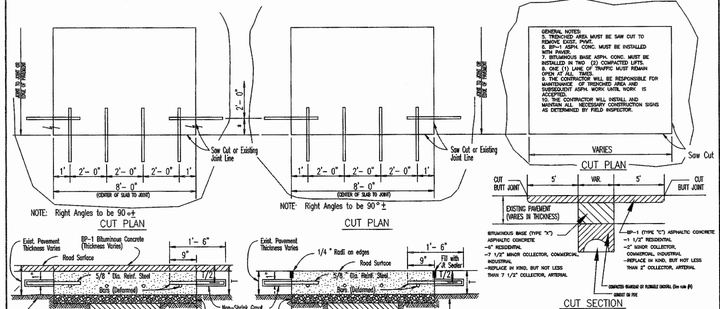


TEMPORARY TURNAROUND

5. Permits will not be issued for building construction on lots abutting a temporary turnaround unless and 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 the existing asphaltic concrete pavement with full depth bituminous concrete pavement and concrete pavement is found under the existing asphaltic concrete pavement, the applicant will be required to follow the Detail for Bituminous Concrete over Concrete Pavement Cut. The applicant will use Bituminous or equivalent to replace the existing concrete and use 4" Type 1 or Type 5 Aggregate over Granular Backfill or Pugmill as a subbase. Bituminous sets up in approximately 4 hours at which time the BP-1 Bituminous Concrete Overlay can be applied to the base courses.

2. If Bituminous Concrete over Concrete Pavement or Concrete Pavement is broken before executing the pavement full concrete slab replacement will be required.

3. Minimum Thickness for Pavement Replacement is:

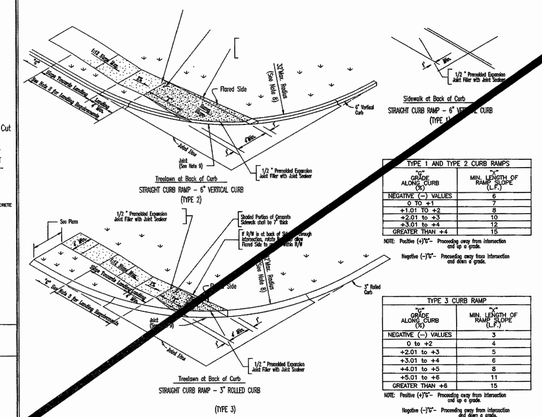
	CONCRETE (T)	BITUMINOUS (T)
All Residential Minor and Local Streets	6"	7 1/2"
Residential Collector, All County and Non-Residential Streets	7"	9 1/2 "
All Arterial Streets	8"	12"

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, compacted to 95% of standard density and controlled low strength material (CLSM) also flowable fill will fill the hole within eight inches of the finished surface for concrete pavement. There will be a plastic barrier placed between the CLSM and rock to prevent the CLSM from bleeding into the rock base. The remaining eight inches will be restored by placing 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 (FT) (L)
NEGATIVE (-) VALUES	6
0 TO +1	7
+1.01 TO +2	8
+2.01 to +3	10
+3.01 to +4	12
GREATER THAN +4	15

NOTE: Positive (+)%'- Proceeding away from intersection and up a grade.

Negative (-)%'- Proceeding away from intersection and down a grade.

TYPE 3 CURB RAMP	
GRADE ALONG CURB (%)	MIN. LENGTH OF RAMP (FT) (L)
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: Positive (+)%'- Proceeding away from intersection and up a grade.

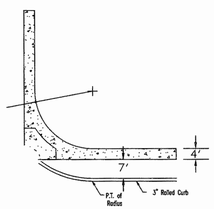
Negative (-)%'- Proceeding away from intersection and down a grade.

GENERAL NOTES

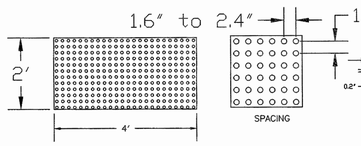
1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved Americans with Disabilities Act Access Ability Guidelines (ADAG).
3. Minimum sidewalk width along 6" vertical curb shall be 5 feet. Minimum sidewalk 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 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. 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).

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

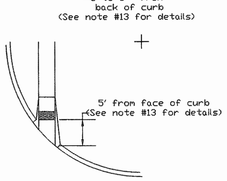
CONCRETE SIDEWALK
WITHIN CUL-DE-SACS



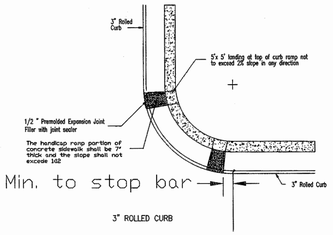
3" ROLLED CURB or 6" VERT. CURB

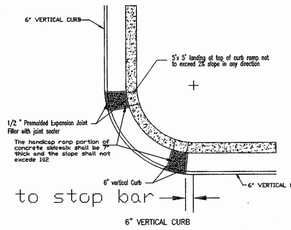


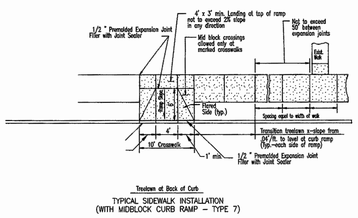
Truncated Domes



Placement of Truncated Domes







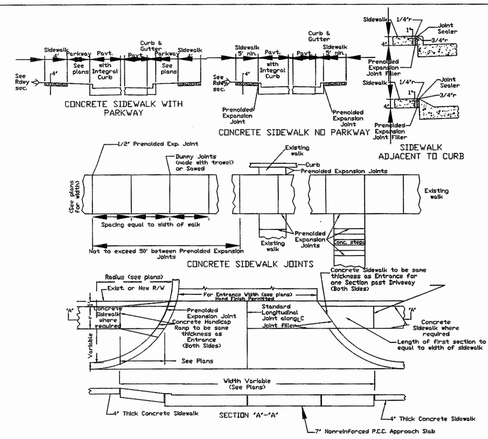
TYPICAL SIDEWALK INSTALLATION
(WITH MIDBLOCK CURB RAMP - TYPE 7)

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. Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved Americans with Disabilities Act Access Ability 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. All sidewalk sections and curb ramps, regardless of thickness, shall be poured on a "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. 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).

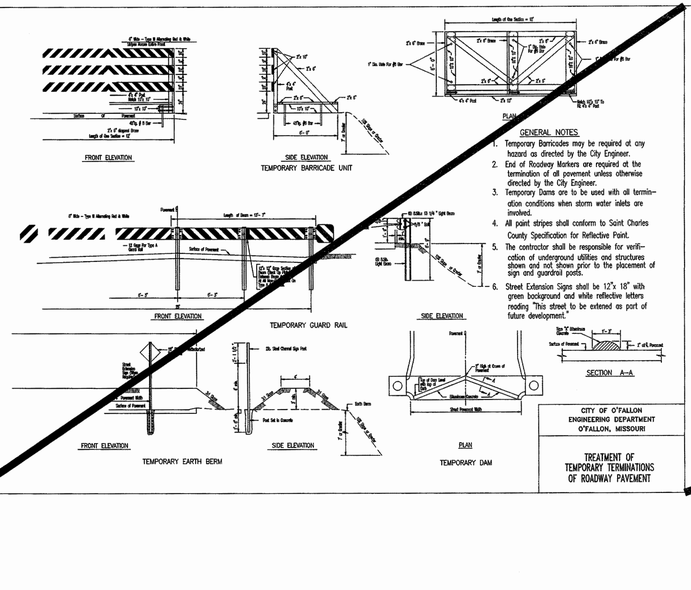


GENERAL NOTES

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

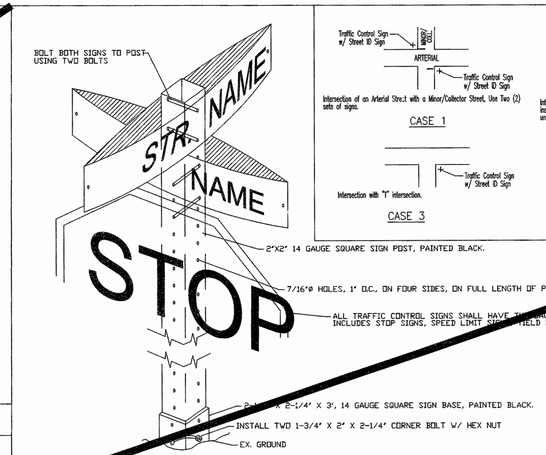


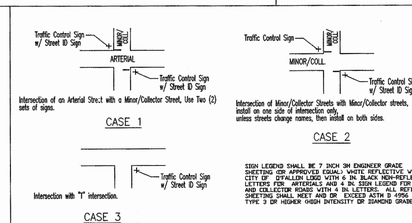
GENERAL NOTES

1. Temporary Barricades may be required at any hazard as directed by the City Engineer.
2. End of Roadway Markers are required at the termination of all pavement unless otherwise directed by the City Engineer.
3. Temporary Dams are to be used with all termination conditions when storm water inlets are involved.
4. All paint stripes shall conform to Saint Charles County Specification for Reflective Paint.
5. The contractor shall be responsible for verification of underground utilities and structures shown and not shown prior to the placement of sign and guardrail posts.
6. Street Extension Signs shall be 12"x 18" with green background and white reflective letters reading "This street to be extened as part of future development."

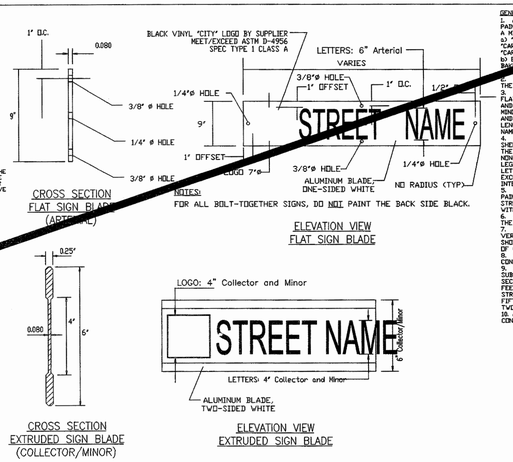
CITY OF O'FALLON
ENGINEERING DEPARTMENT
O'FALLON, MISSOURI

TREATMENT OF
TEMPORARY TERMINATIONS
OF ROADWAY PAVEMENT





SIGN LEGEND SHALL BE 7 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 (HIGH INTENSITY OR DIAMOND GRADE).



GENERAL NOTES:
1. ALL SIGN POST AND BACK OF SIGNS THAT MUST BE PAINTED BLACK SHALL USE A PAINT SYSTEM THAT PROVIDES A MINIMUM OF ONE LIFE EXPECTANCY AND USE:
a) "CARBOLINE RUSTBOND" SYSTEM AT 1-2 MILS THICK, "CARBOLINE 893 SERIES" SYSTEM AT 3-5 MILS THICK, "CARBOLINE 133 SERIES" COAT OR APPROVED EQUAL, OR
b) ELECTROSTATICALLY APPLIED, BLACK POWDER COATED AND BAKED 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 SIGNS SHALL BE 24, 30 & 36 INCH LENGTHS, OR LONGER AS NEEDED, TO ACCOMODATE STREET NAMES.
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 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 (HIGH INTENSITY OR DIAMOND GRADE).
5. 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.
6. SIGN POSTS SHALL EXTEND A MINIMUM of 30 INCHES IN THE GROUND AND 7 FEET.
7. 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 FOUND BY 811-RITE SERVICES.
8. SIGNS SHALL NOT CREATE A SITE DISTANCE PROBLEM OR CONFLICT WITH PEDESTRIAN TRAFFIC.
9. SPEED LIMIT SIGNS MUST BE AT EVERY ENTRANCE TO A SUBDIVISION ALONG THE LOT LINE BETWEEN FIRST AND SECOND LOT AND APPROXIMATELY EVERY TWO THOUSAND FEET THERE AFTER. ALSO, EVERY CONNECTING SIDE STREET MUST HAVE ONE SPEED LIMIT SIGN APPROXIMATELY FIFTY FEET FROM INTERSECTION AND APPROXIMATELY EVERY TWO THOUSAND FEET THERE AFTER.
10. 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

City of O'Fallon Standard Subdivision Notes and Details – June 2010

PROJECT TITLE:
TAUC PROPERTIES
O'FALLON MAIN
507 S. MAIN ST.

Bax Project #96-6396A | Issue Date: 8-14-16

ENGINEERING
PLANNING
SURVEYING
2221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
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.

REFERENCE
DRAWINGS
ONLY

REVISIONS

Developer / Owner:
DR. MATT BRUCKEL
TAUC PROPERTIS LLC
9556 MANCHESTER ROAD
ST. LOUIS, MO 63119

PAVEMENT DETAILS

P+Z No.
19-16 (approved 7-7-16)

City No.
16-000028