

IMPROVEMENT PLANS BELLEAU CROSSING SIDEWALK DETAILS

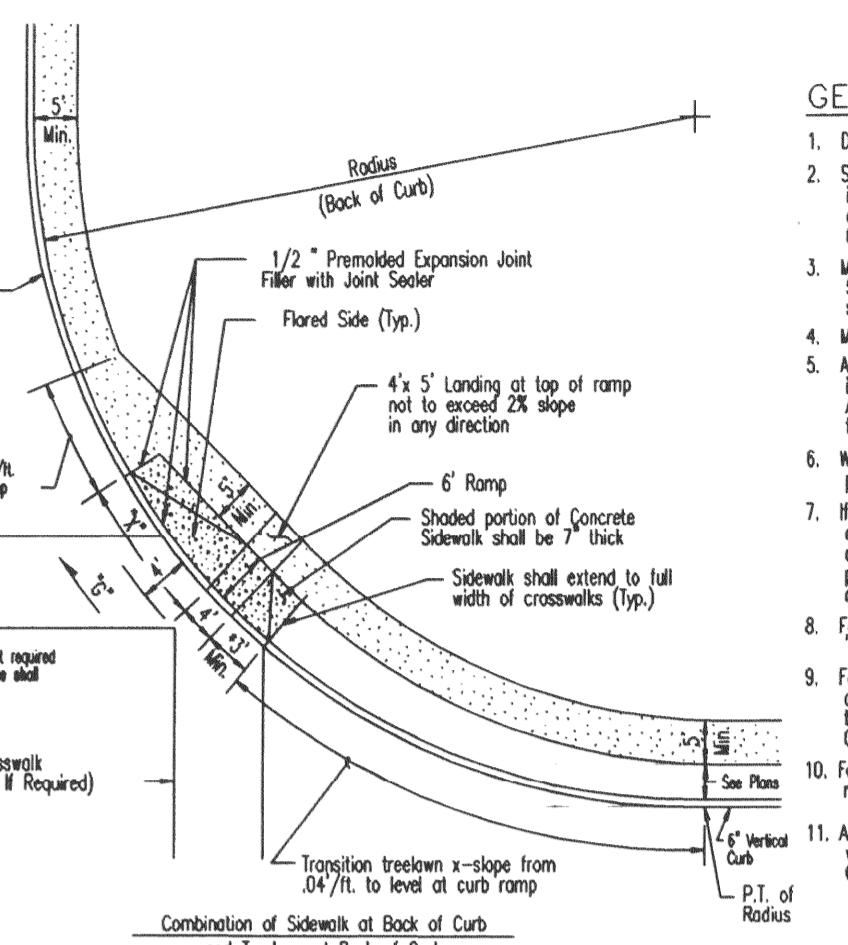
ST. CHARLES ENGINEERING & SURVEYING, INC.
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ST. CHARLES, MO 63301
TEL: (636) 947-0607 FAX: (636) 947-2448



- 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" (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 paid for as "Concrete Sidewalk".
 6. Where curb ramp meets pavement, bullnose will not be permitted.
 7. If monolithic concrete curb is constructed, strike a dummy joint across bottom of ramp or curb line. If concrete curb is dowel-ed-on, block out pavement to top of curb line and strike a dummy joint at 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 pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Curbs and Curb", Std. Dwg. C502.03.
 10. For sidewalk locations on Cul-De-Sacs, refer to "Pavement Construction Details".
 11. For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Sections".
 12. All curb ramps shall have a detectable warning complying with "Americans with Disabilities Act Accessibility Guidelines" (ADAAG).

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK
AND CURB RAMPS

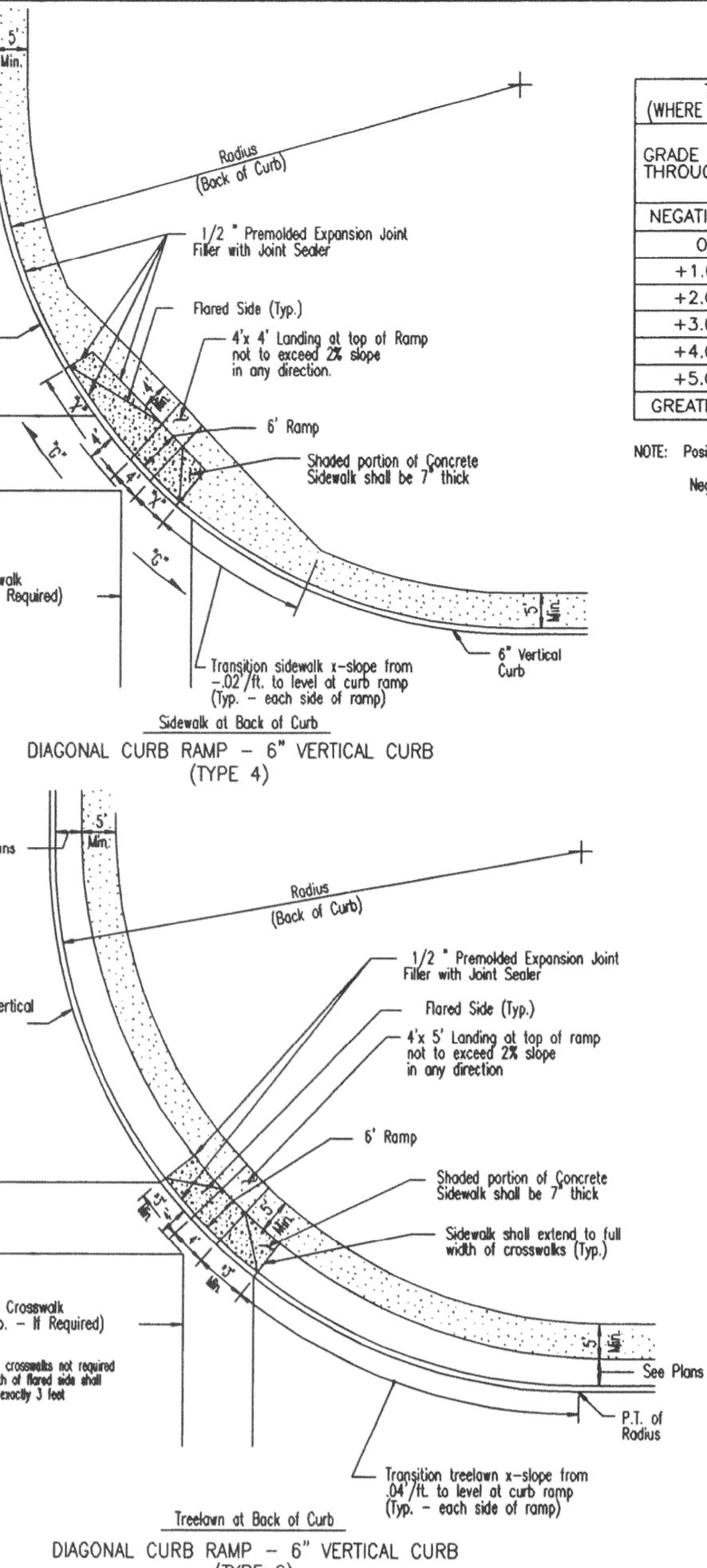
DATE: June, 2002 DRAWING C608.11



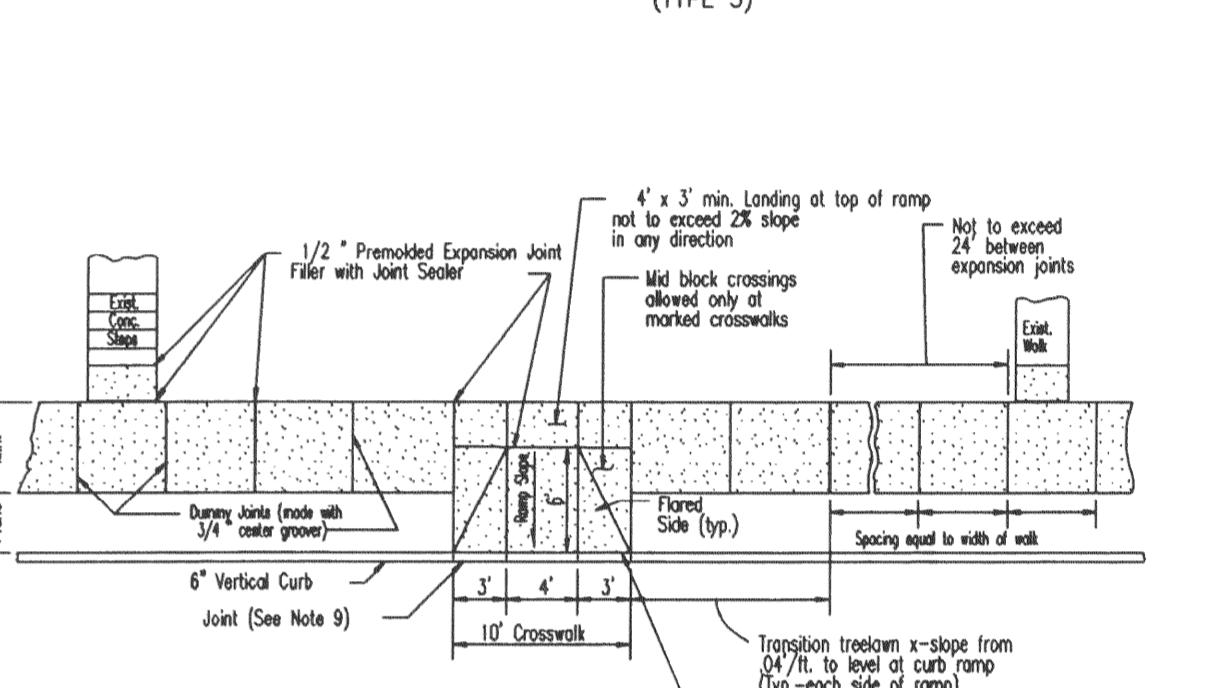
TYPE 4 AND TYPE 5 CURB RAMPS (WHERE PEDESTRIANS CAN WALK ACROSS RAMPS)	
GRADE ALONG CURB THROUGH ROUNDING (%)	LENGTH OF FLARED SIDE ALONG CURB (L.F.)
NEGATIVE (-) VALUES	5
0 TO +1	6
+1.01 TO +2	7
+2.01 TO +3	8
+3.01 TO +4	9
+4.01 TO +5	10
+5.01 TO +6	13
GREATER THAN +6	15

NOTE: Positive (+) "C" - Proceeding away from ramp and up a grade.
Negative (-) "C" - Proceeding away from ramp and down a grade.

DIAGONAL CURB RAMPS - 6" VERTICAL CURB
(TYPE 4)



DIAGONAL CURB RAMP - 6" VERTICAL CURB
(TYPE 4)



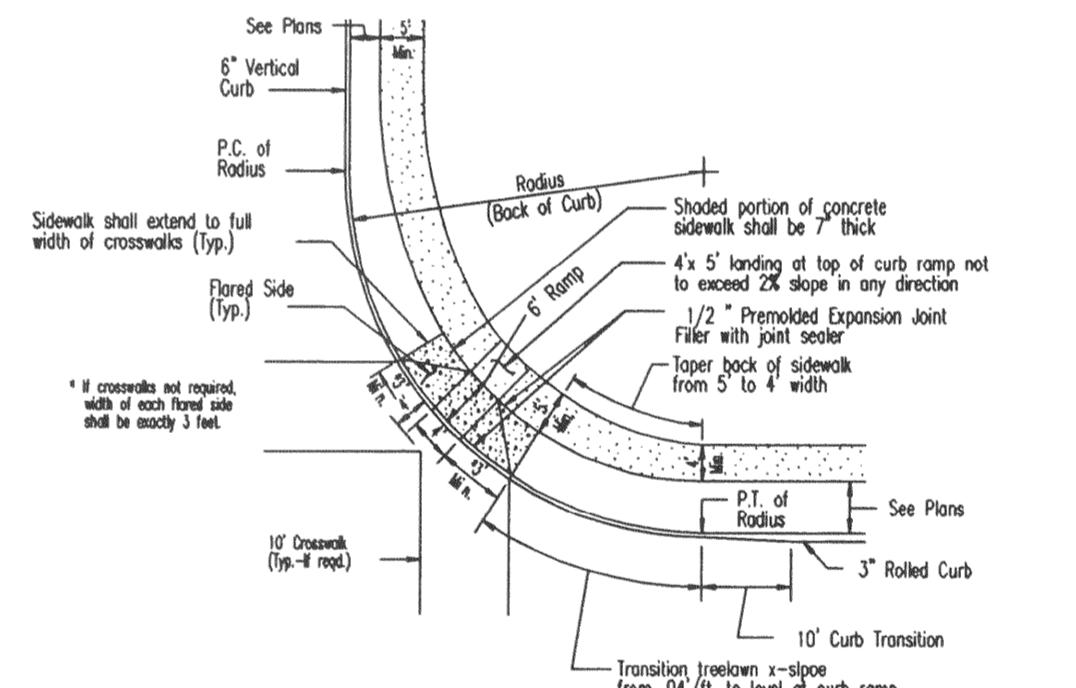
DIAGONAL CURB RAMP - 6" VERTICAL CURB
(TYPE 5)



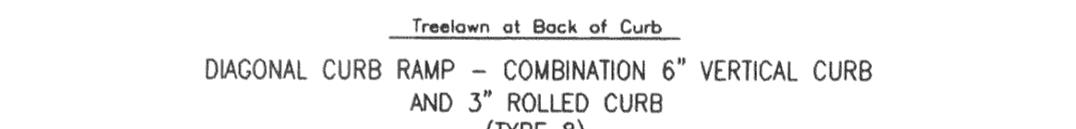
Typical SIDEWALK INSTALLATION
(WITH MIDBLOCK CURB RAMP - TYPE 7)

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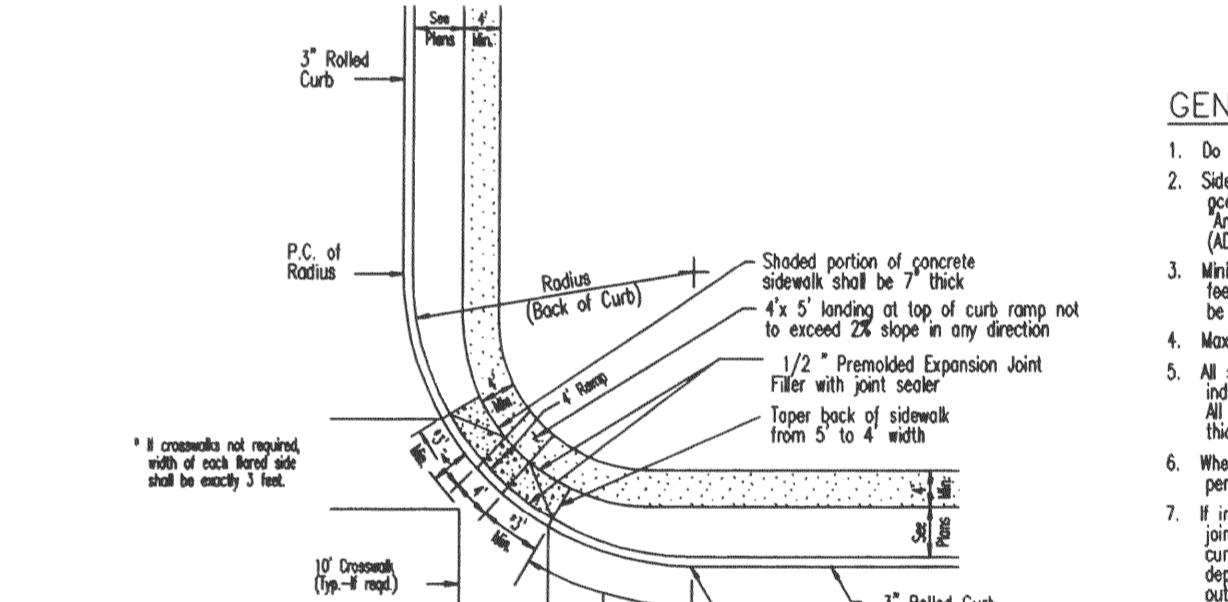
DATE: June, 2002 DRAWING C608.11



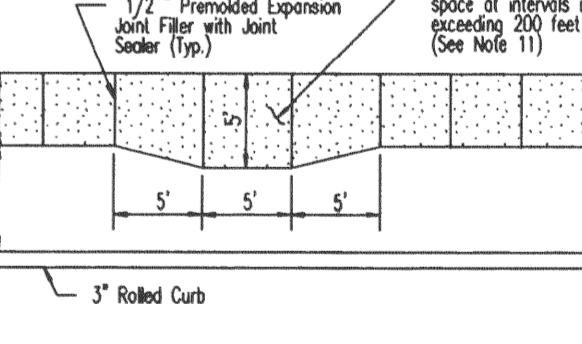
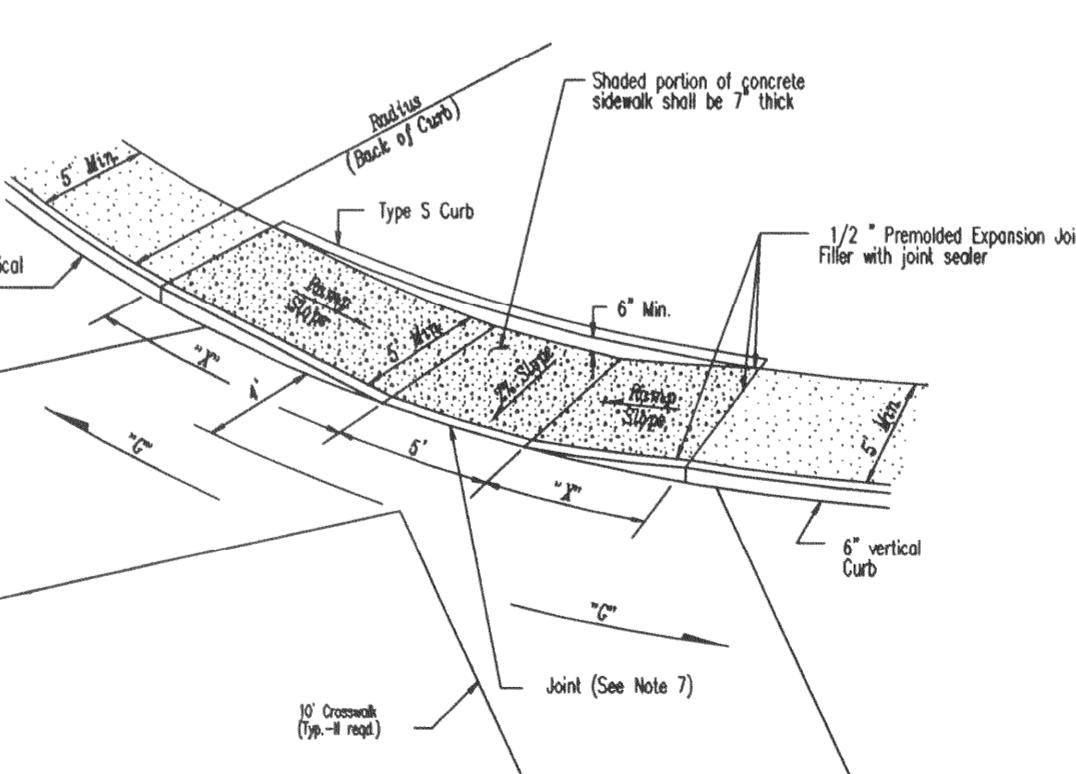
DIAGONAL CURB RAMP - 6" VERTICAL CURB
(TYPE 6)



DIAGONAL CURB RAMP - COMBINATION 6" VERTICAL CURB
AND 3" ROLLED CURB
(TYPE 8)



DIAGONAL CURB RAMP - 3" ROLLED CURB
(TYPE 9)



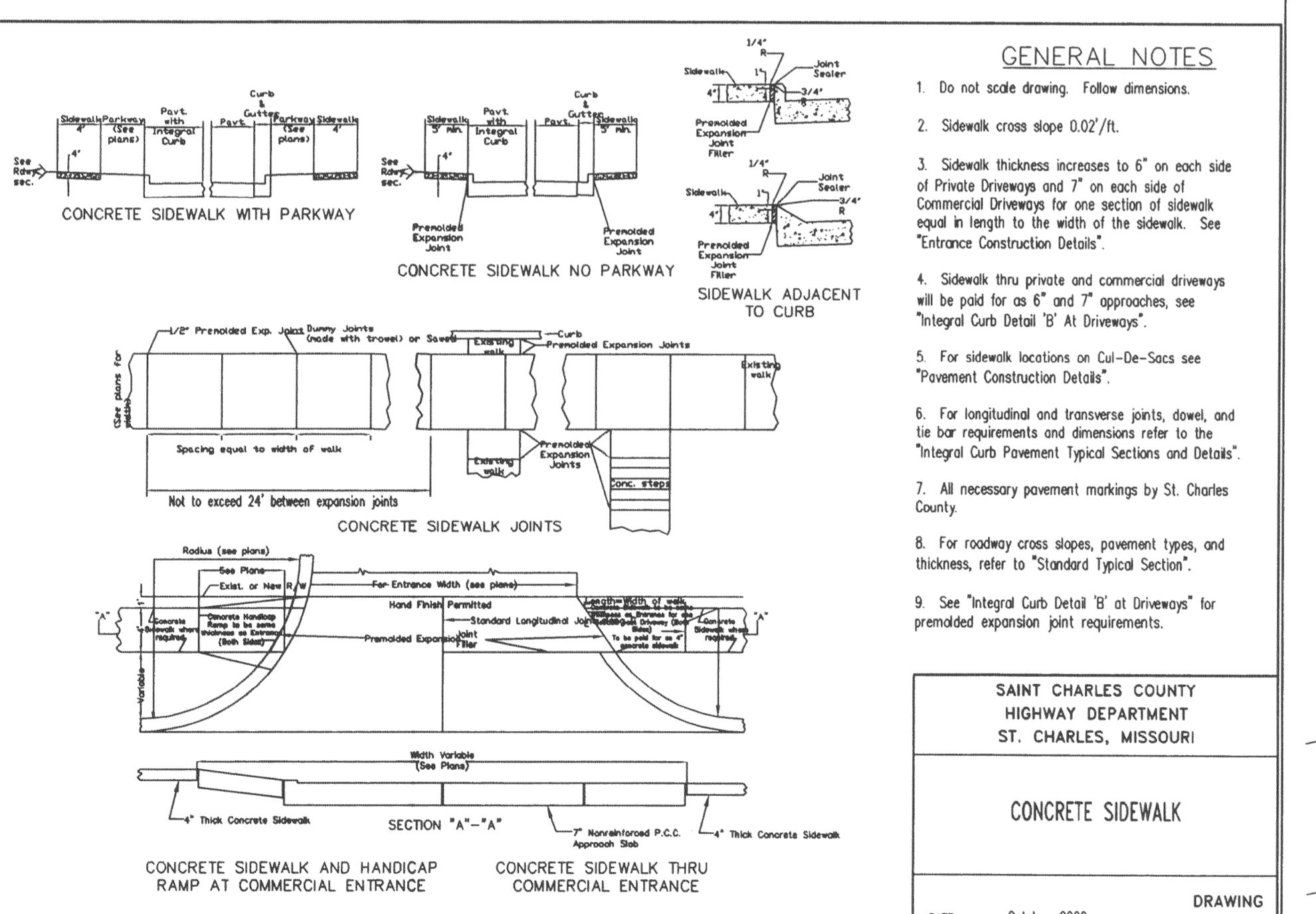
TYPE 10 CURB RAMP

NOTE: Positive (+) "C" - Proceeding away from ramp and up a grade.
Negative (-) "C" - Proceeding away from ramp and down a grade.

- GENERAL NOTES**
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 2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved "Americans with Disabilities Act Accessibility 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 paid 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 or curb line. If concrete curb is dowel-ed-on, block out pavement to top of curb line and strike a dummy joint at 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 pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Curbs and Curb", Std. Dwg. C502.03.
 10. For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Sections".
 11. 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.
 12. All curb ramps shall have a detectable warning complying with "Americans with Disabilities Act Accessibility Guidelines" (ADAAG).

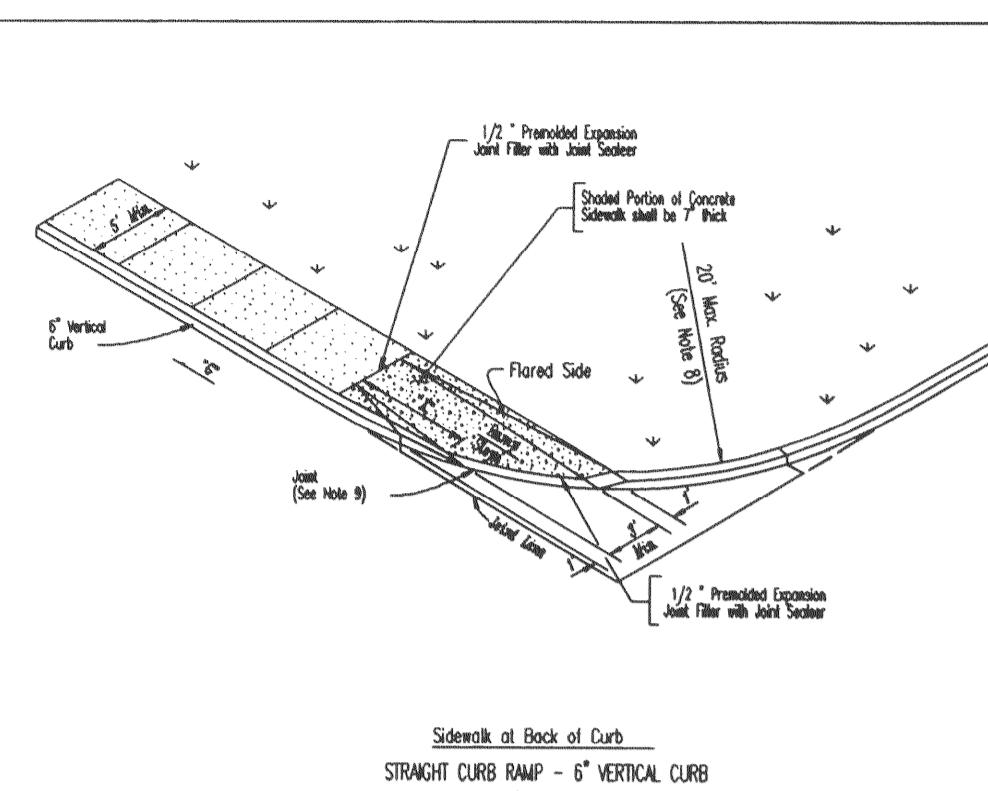
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK
AND CURB RAMPS

DATE: 10/26/07 DRAWING C608.12

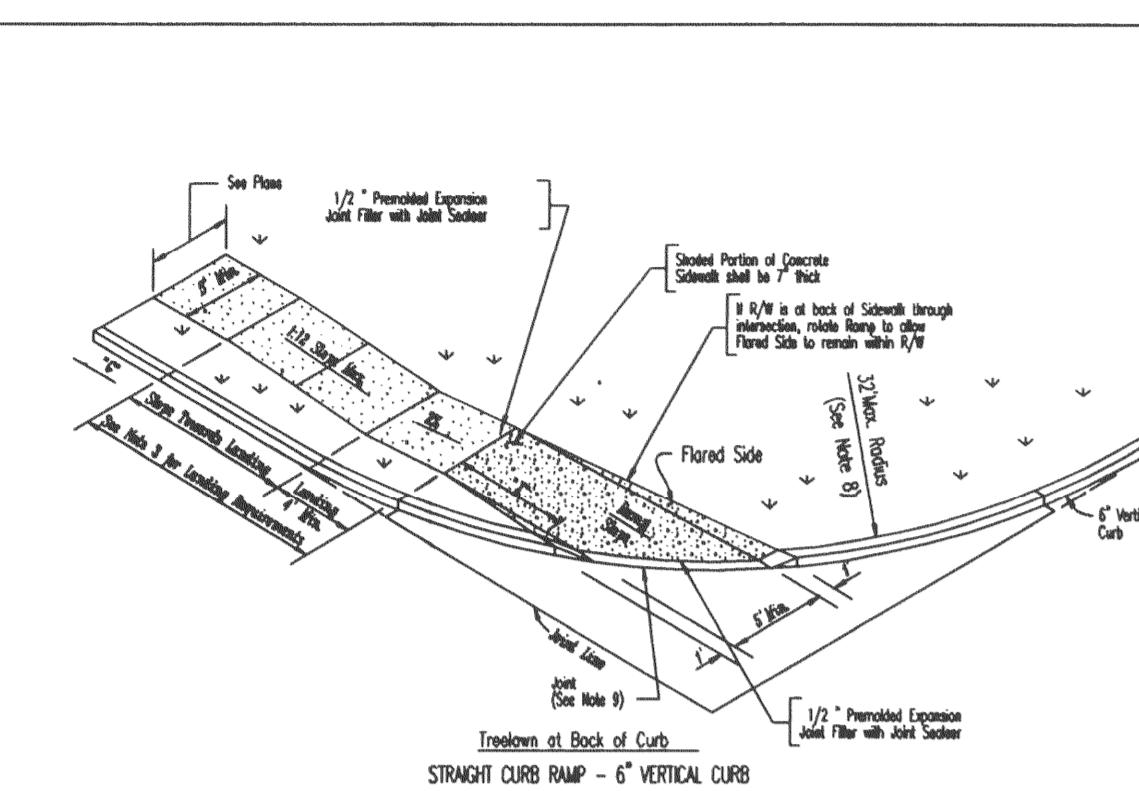


SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
CONCRETE SIDEWALK

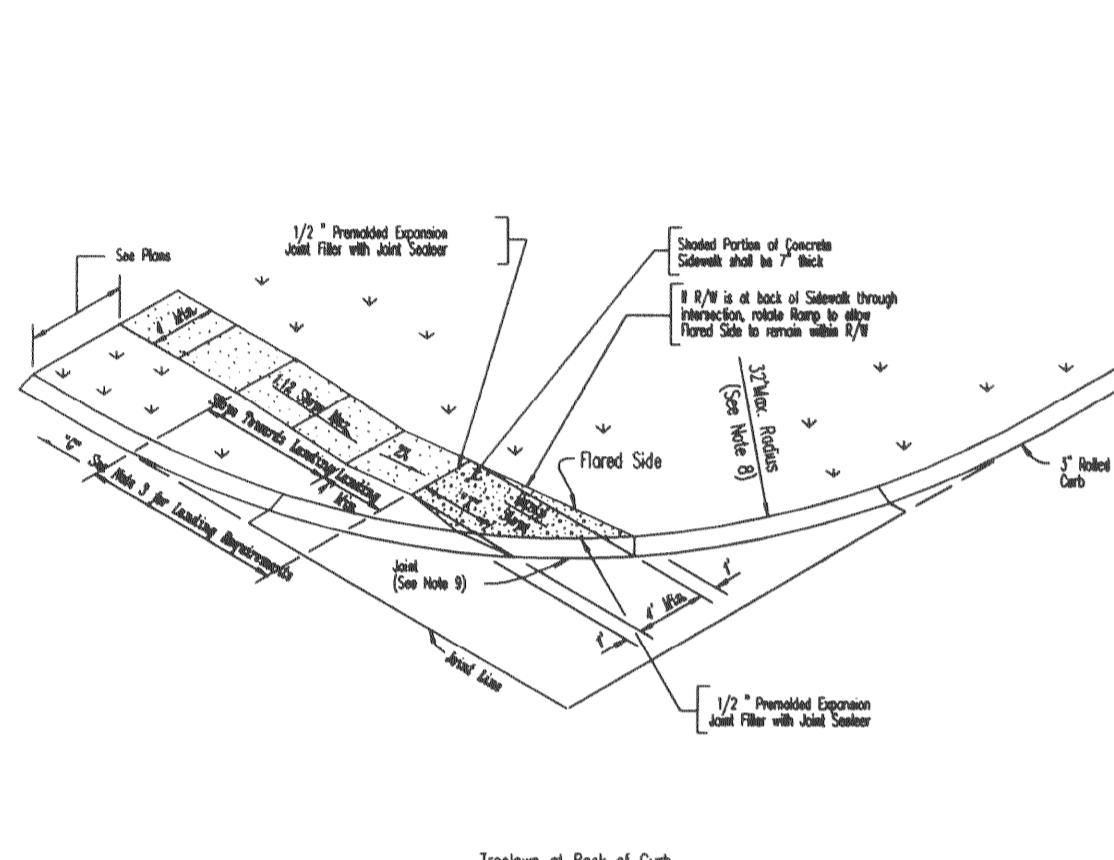
DATE: October, 2002 DRAWING C608.14



Sidewalk at Back of Curb
STRAIGHT CURB RAMP - 6" VERTICAL CURB
(TYPE 1)



Treelawn at Back of Curb
STRAIGHT CURB RAMP - 6" VERTICAL CURB
(TYPE 2)



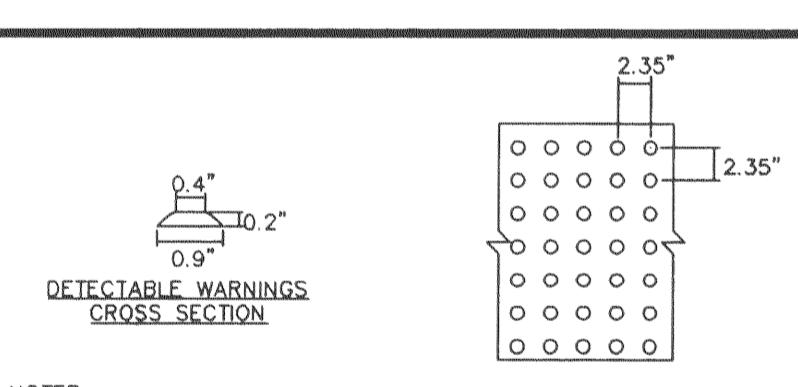
Treelawn at Back of Curb
STRAIGHT CURB RAMP - 3" ROLLED CURB
(TYPE 3)

"%" GRADE ALONG CURB	MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	6
0 TO +1	7
+1.01 TO +2	8
+2.01 TO +3	10
+3.01 TO +4	12
+4.01 TO +5	15
GREATER THAN +5	15

NOTE: Positive (+) "C" - Proceeding away from intersection and up a grade.
Positive (-) "C" - Proceeding away from intersection and down a grade.

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DATE: June, 2002 DRAWING C608.10



NOTES:

1. DETECTABLE WARNINGS SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

2. THE DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

3. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL THROUGH DOMES.

4. THERE SHALL BE A MINIMUM OF 70 PERCENT CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "SAFETY YELLOW". THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.

trunc-dome.dwg

TRUNCATED DOMES

ALL CURB RAMPS SHALL HAVE TRUNCATED DOMES IN ACCORDANCE WITH ADAAG.