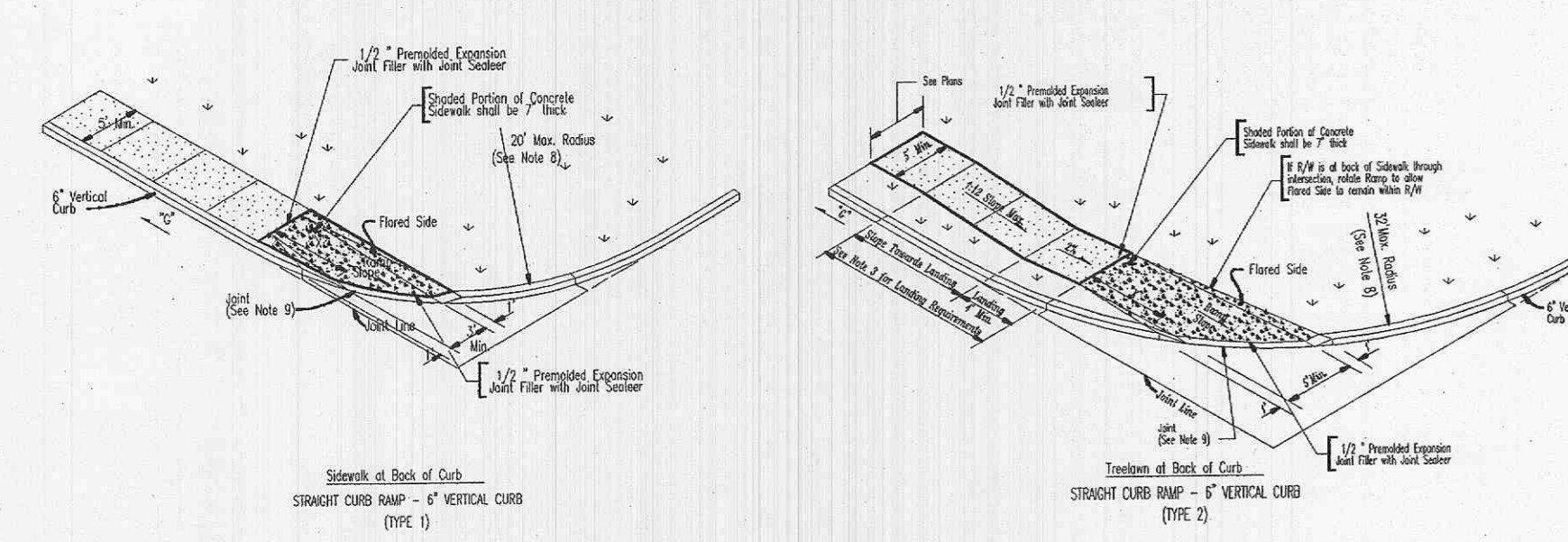


LAYOUT SITE DETAIL SHEET 10.8  
 DATE: Apr 25, 2008 11:13:35m  
 DRAWINGS: NOBS\jared007\07-0075\037-0075\037-0075\IMPROVEMENT PLANS\037-0075\C10.8\DETAILS\_07-075.dwg

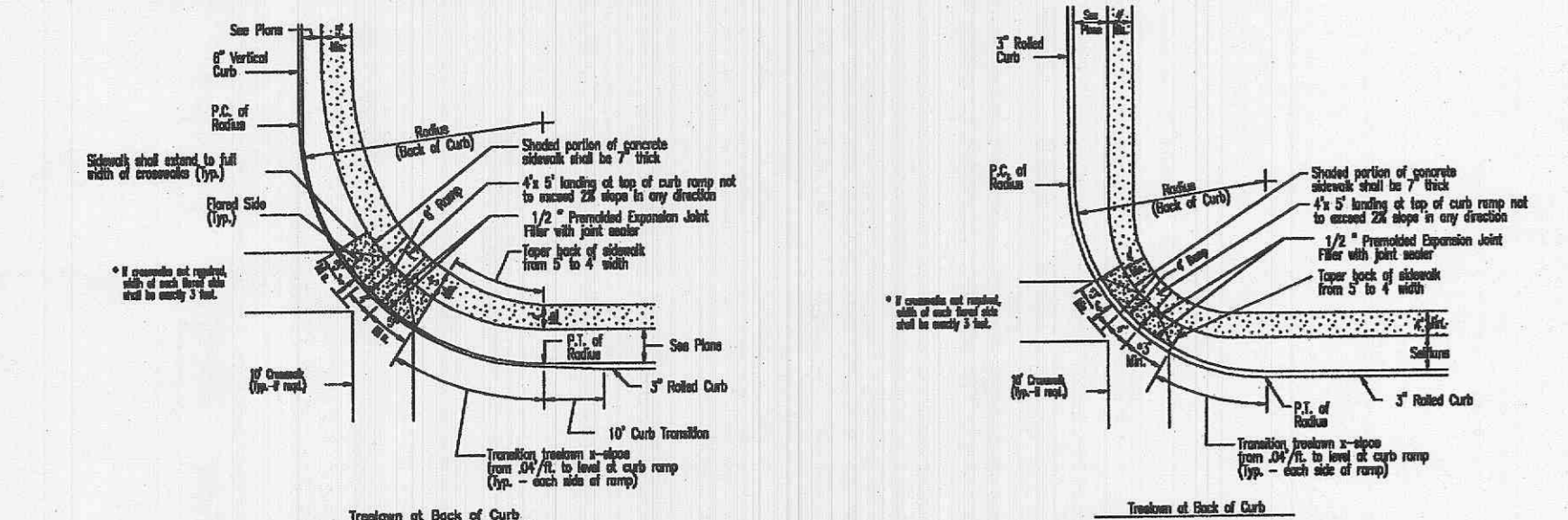
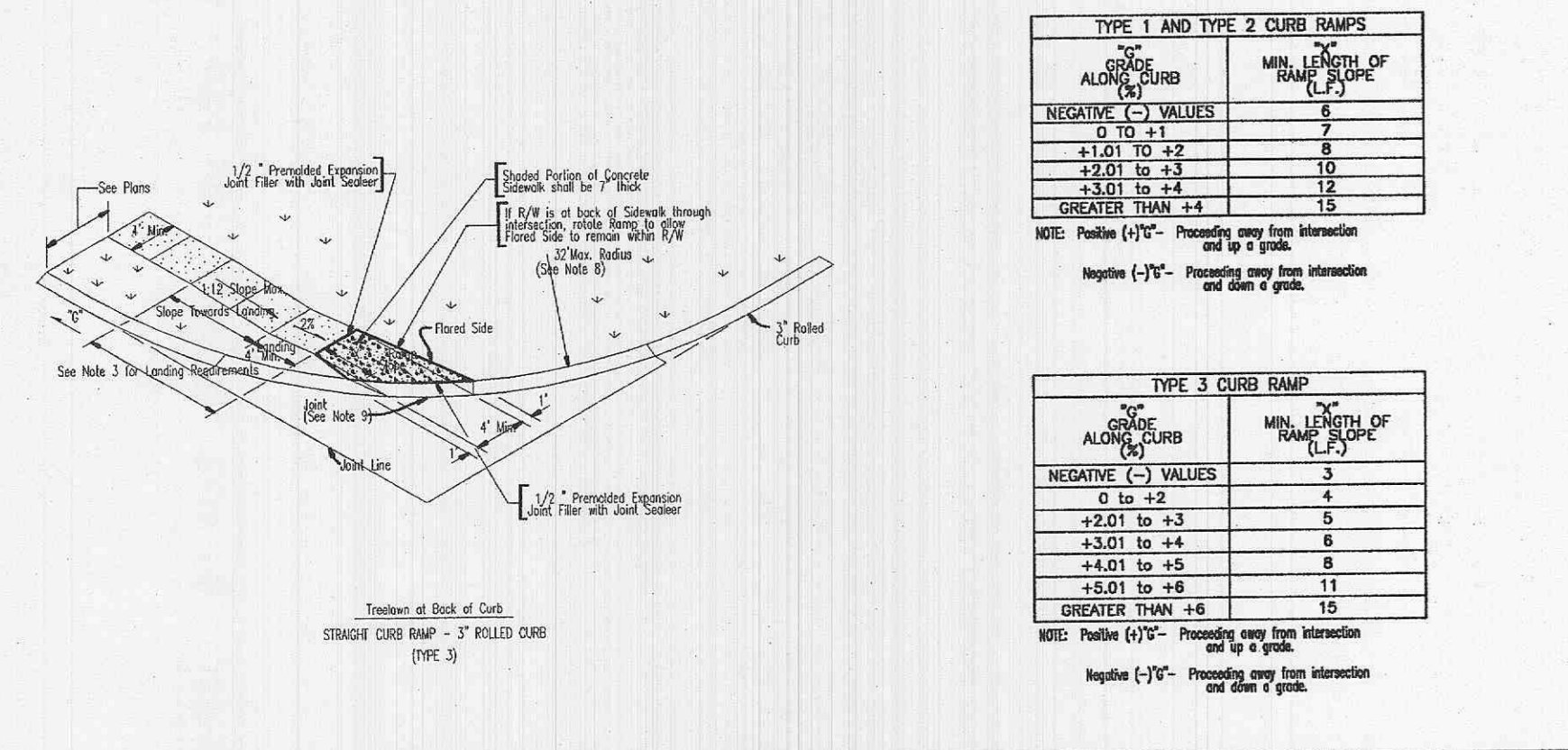


GRADE ALONG CURB	MIN. LENGTH OF RAMP (L <sub>R</sub> ) (ft)
NEGATIVE (-) VALUES	
0 to +1	5
+1.01 to +2	7
+2.01 to +3	9
+3.01 to +4	11
+4.01 to +5	13
+5.01 to +6	15
GREATER THAN +6	15

NOTE: Positive (+) "L<sub>R</sub>" - Proceeding away from intersection and up a grade.  
 Negative (-) "L<sub>R</sub>" - Proceeding away from intersection and down a grade.

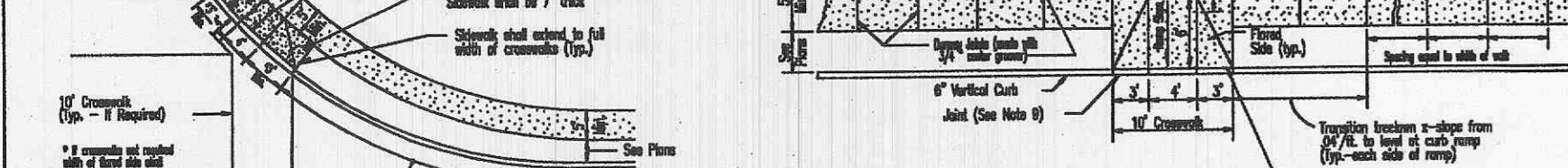
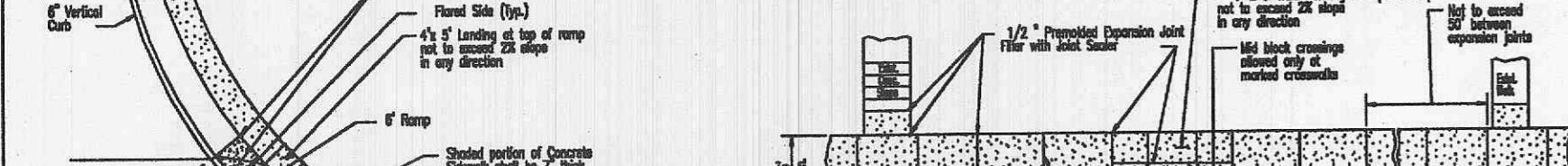
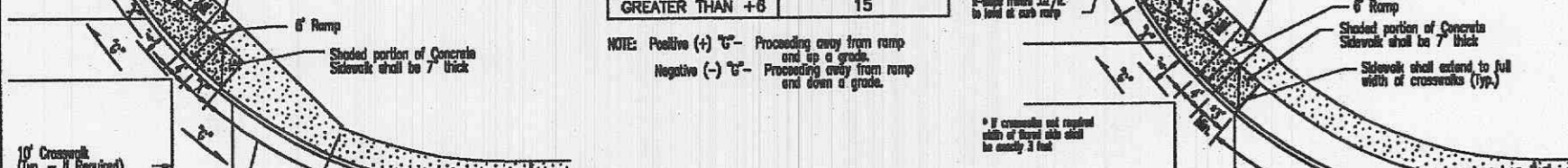
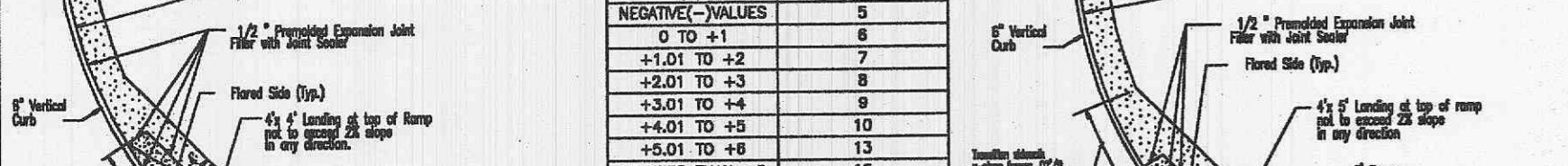
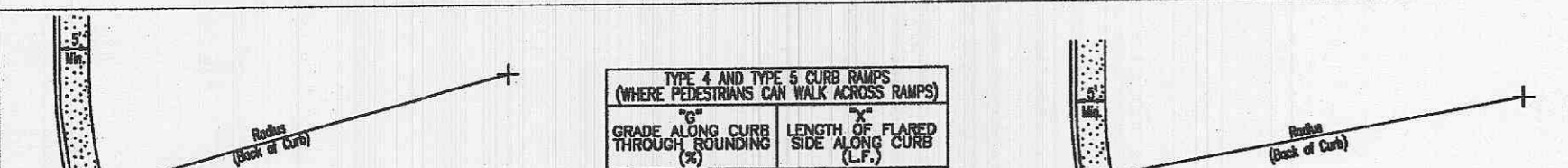
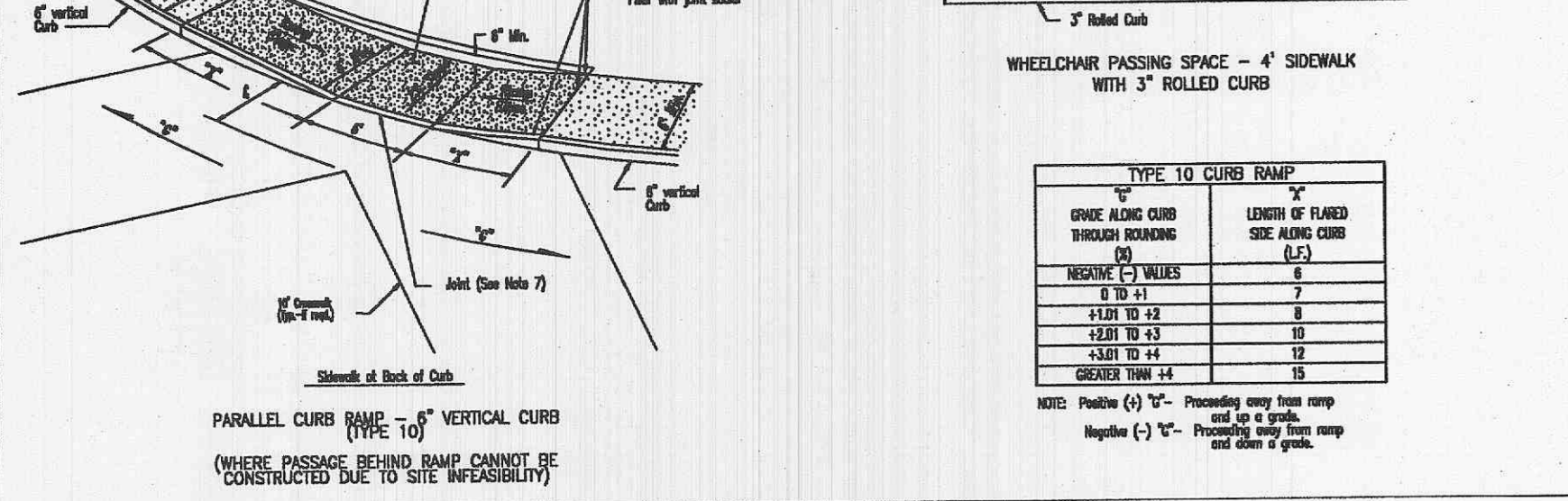
GRADE ALONG CURB	MIN. LENGTH OF RAMP (L <sub>R</sub> ) (ft)
NEGATIVE (-) VALUES	
0 to +2	3
+2.01 to +3	4
+3.01 to +4	5
+4.01 to +5	6
+5.01 to +6	7
GREATER THAN +6	10

NOTE: Positive (+) "L<sub>R</sub>" - Proceeding away from intersection and up a grade.  
 Negative (-) "L<sub>R</sub>" - Proceeding away from intersection and down a grade.



GRADE ALONG CURB	MIN. LENGTH OF RAMP (L <sub>R</sub> ) (ft)
NEGATIVE (-) VALUES	
0 to +1	5
+1.01 to +2	7
+2.01 to +3	9
+3.01 to +4	11
+4.01 to +5	13
+5.01 to +6	15
GREATER THAN +6	15

NOTE: Positive (+) "L<sub>R</sub>" - Proceeding away from ramp and up a grade.  
 Negative (-) "L<sub>R</sub>" - Proceeding away from ramp and down a grade.



**GENERAL NOTES**

- Do not scale drawing. Follow dimensions.
- Substrate and sidewalk curb ramps shall be constructed in accordance with these details and the current MUTCD (Manual on Uniform Traffic Control Devices) (11th Edition) (MUTCD) (Section 609.02) (Section 609.02.1).
- Provide a landing of the top of curb at least 2' long and 4" high on the ramp side of the curb. (See Note 8.)
- Minimum sidewalk cross slope shall be 1/4%.
- All sidewalk ramps shall be 4" high, except where indicated in a note by a contractor and approved by the Engineer. All ramps shall be 4" high on the ramp side of the curb.
- Where curb ramps meet pavement, sidewalks shall not be parallel.
- Construction methods shall be as indicated on drawings, and shall be subject to the Engineer's approval.
- For concrete sidewalks, use a minimum of 18" x 18" aggregate with a maximum size of 3/4".
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SANIT CHARLES COUNTY  
 HIGHWAY DEPARTMENT  
 ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS  
 CONCRETE SIDEWALK  
 AND CURB RAMPS

DATE: Jan, 2002 DRAWING: C508.10

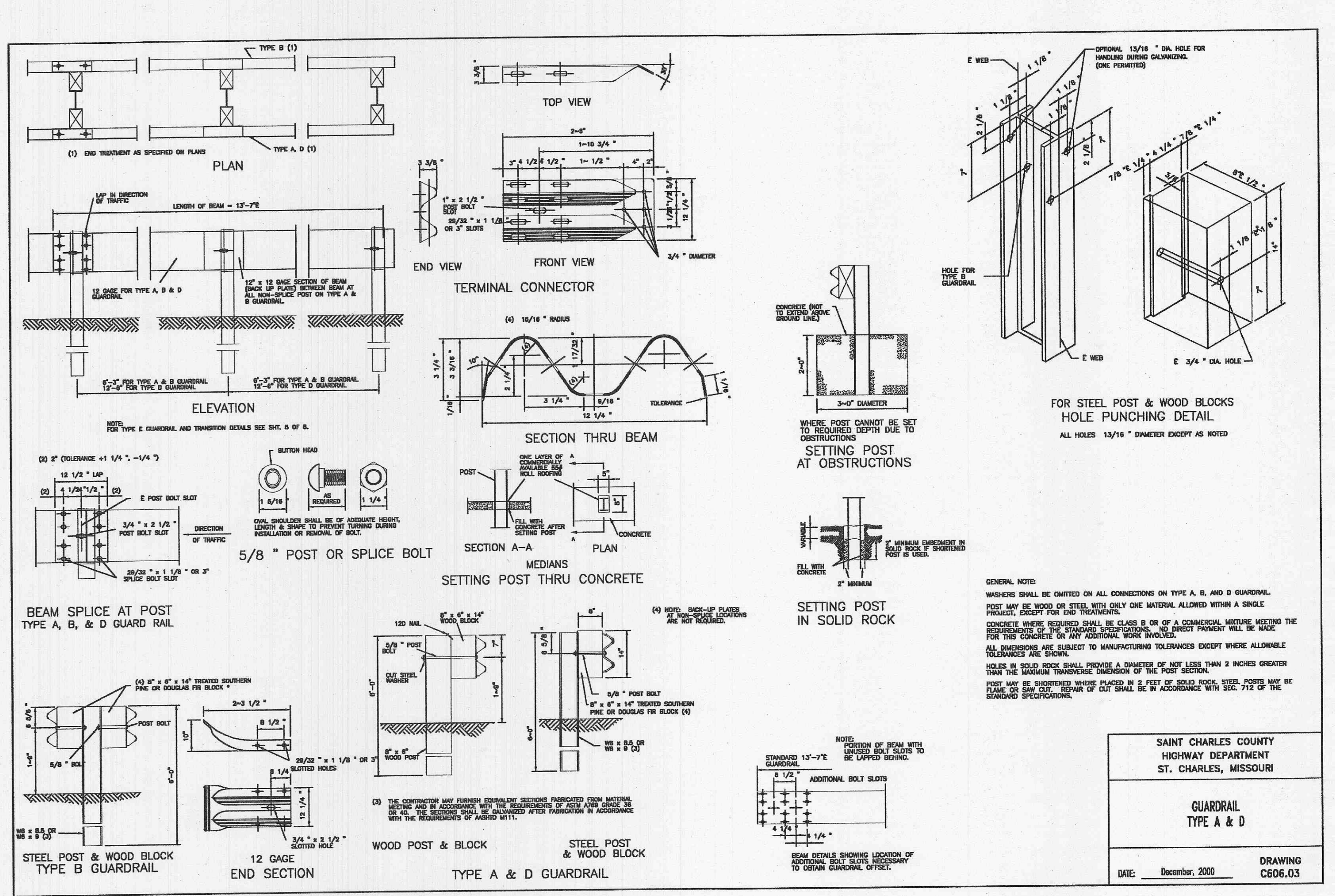
**GENERAL NOTES**

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SANIT CHARLES COUNTY  
 HIGHWAY DEPARTMENT  
 ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS  
 CONCRETE SIDEWALK  
 AND CURB RAMPS

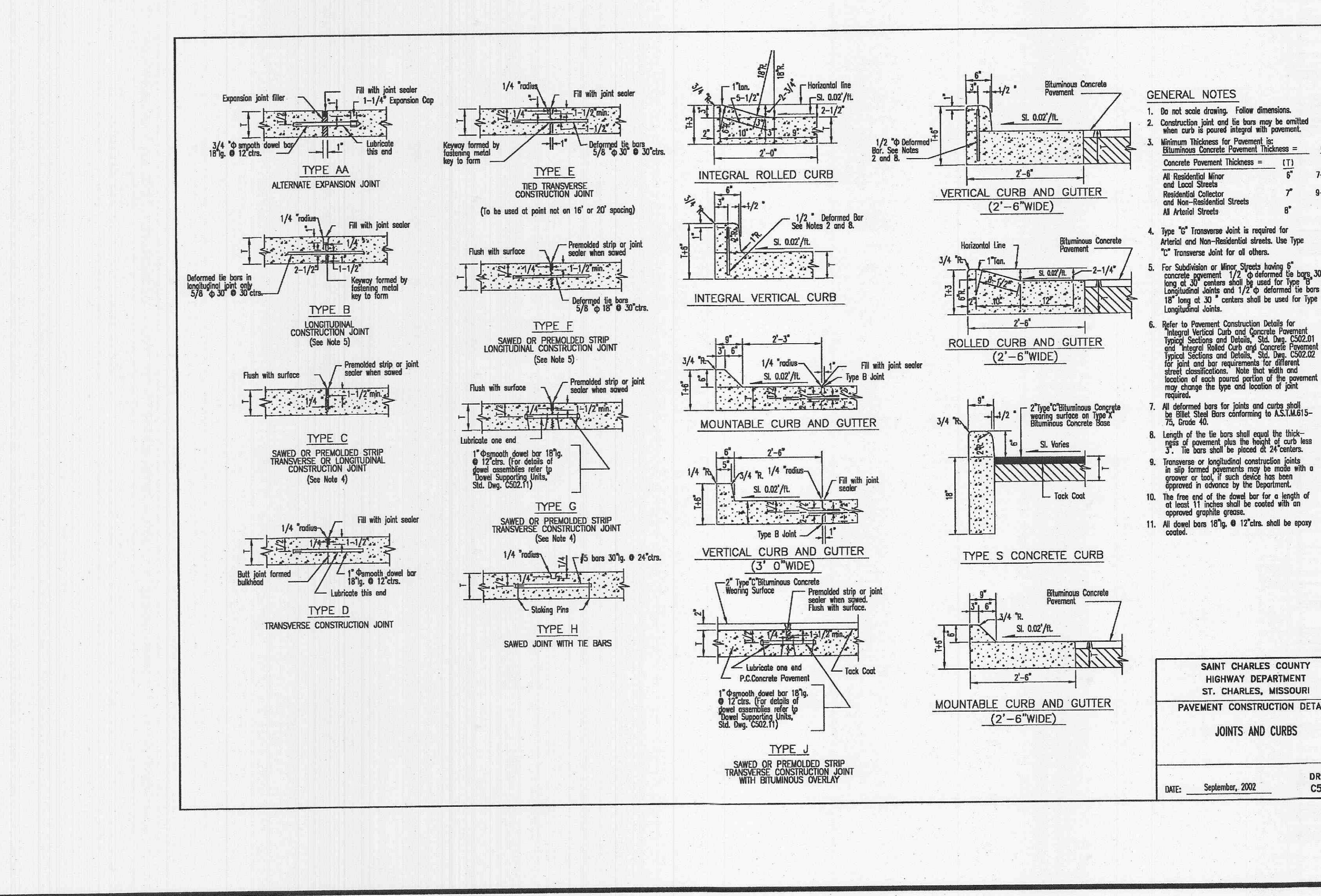
DATE: Jan, 2002 DRAWING: C508.12



SANIT CHARLES COUNTY  
 HIGHWAY DEPARTMENT  
 ST. CHARLES, MISSOURI

GUARDRAIL  
 TYPE A & D

DATE: December, 2009 DRAWING: C506.03



**GENERAL NOTES**

- Do not scale drawing. Follow dimensions.
- Construction joint and the bars may be omitted when curb is provided with pavement.
- Minimum thickness for pavement for Blumhouse Concrete Pavement Thickness = (1) Concrete Pavement Thickness = (1) Residential Minor and Local Streets 6" 7'-1/2" Residential Collector and Non-Residential Streets 7" 9'-1/2" All Arterial Streets 8" 12'
- Type "S" Transverse Joint is required for Arterial and Non-Residential streets. Use Type "C" Transverse Joint for all others.
- For Substitution or Minor Streets having 6" concrete pavement, 1/2" deflected bars, 30" length of 30" centers shall be used for Type "S" Longitudinal slope and 1/2" deflected bars 18" long of 30" centers shall be used for Type "S" Longitudinal joints.
- All deflected bars for joints and curbs shall be 18" diameter steel bars conforming to ASTM A615-70, Grade 60.
- Length of the tie bars shall equal the thickness of pavement plus the height of curb less 2". The bars shall be placed 6" to 24" centers.
- Transverse or longitudinal construction joints in slip formed pavements shall be made with a groove or key. If such device has been approved in accordance with the Department.
- The free end of the guard bar for a length of at least 11 inches shall be coated with an approved graphite grease.
- All closed bars 18" x 12" shall be epoxy coated.

SANIT CHARLES COUNTY  
 HIGHWAY DEPARTMENT  
 ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS  
 JOINTS AND CURBS

DATE: September, 2002 DRAWING: C502.03

REVISIONS

DATE	DESCRIPTION
02/17/2008	REVISED PER COMMENTS
03/17/2008	REVISED PER COMMENTS
04/17/2008	REVISED PER COMMENTS
05/17/2008	REVISED PER COMMENTS

DEVELOPER/OWNER:  
 THE VILLAGE AT PARK PLACE, LLC.  
 1001 BOARDWALK SPRINGS PL  
 O'FALLON, MO 63366  
 PHONE: (636) 561-9323

THE PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE SHALL BE PLACED ON THIS DRAWING AND SHALL BE VALID ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THE DRAWING. ANY OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERWRITER, PROFESSIONAL SEALING, OR OTHER DOCUMENTS SHALL BE VOID.

PROFESSIONAL ENGINEER  
 JAMES H. BOYD  
 MISSOURI REGISTERED PROFESSIONAL ENGINEER  
 NUMBER: PE-2007034893  
 EXPIRES: 12/31/2011

PLANNING AND DEVELOPMENT DEPARTMENT FILE #9831.57 (AREA PLAN-APPROVED MAY 24TH, ORDINANCE #5176) - 9831.57.01 (FINAL PLAN)

DESIGNED BY: CJB  
 DRAWN BY: KDK  
 CHECKED BY: JFH  
 DATE: 11/6/07

Job Number: 07-075  
 Sheet Number: C10.8

CoLE INCORPORATED  
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 saint louis, missouri 63127  
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