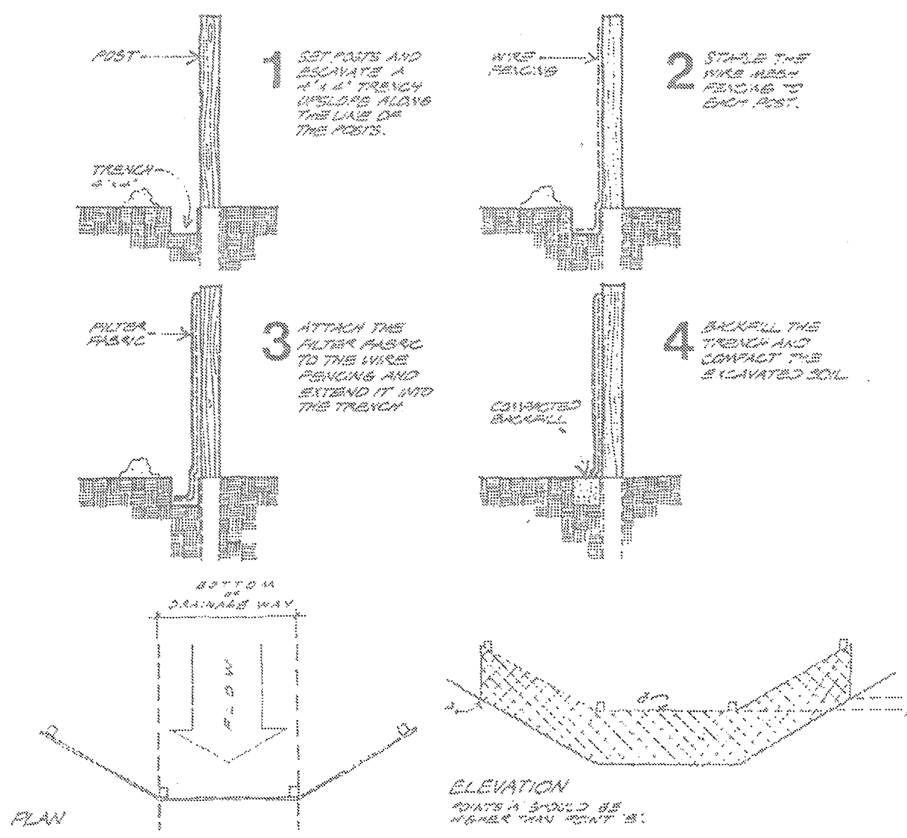
SYNTHETIC FILTER BARRIERS

For Urban Development Sites

APPENDIX D

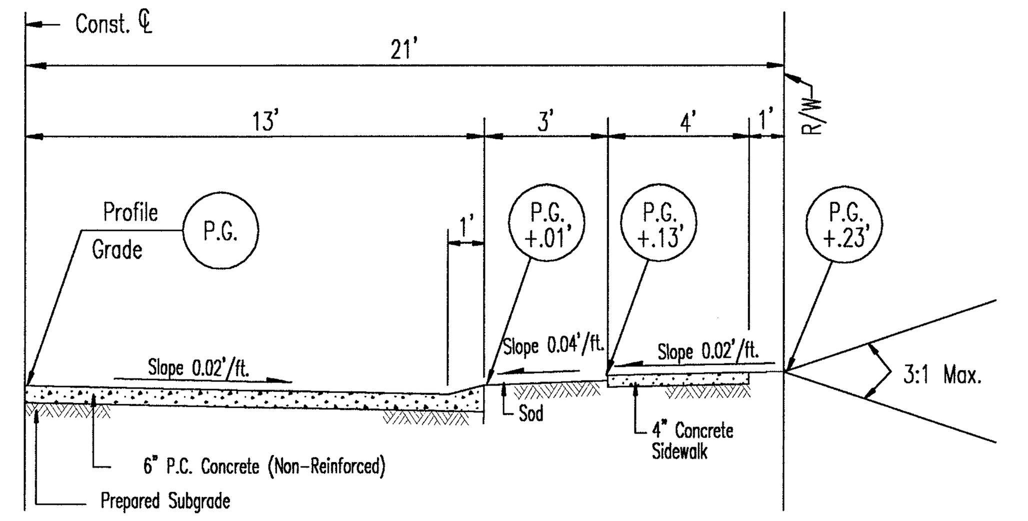
Maintenance

1. Filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
2. Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
3. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.



Placement and Construction of a Synthetic Filter Barrier

(9)



TYPE 1

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sections shown are symmetrical about construction centerline.
3. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the Pavement Construction Details for "Joints and Curbs," Std. Dwg. C502.03.
4. All necessary pavement markings shall be as required by Saint Charles County.
5. Sections shown may not apply at intersections.
6. Sidewalk thickness increases to 6" at Residential Driveways. See "Entrance Construction Details."
7. Easements when required shall be established as a "Permanent Roadway Improvement, Maintenance, Utility, Sewer and Sidewalk Easement" and dedicated to Saint Charles County.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI

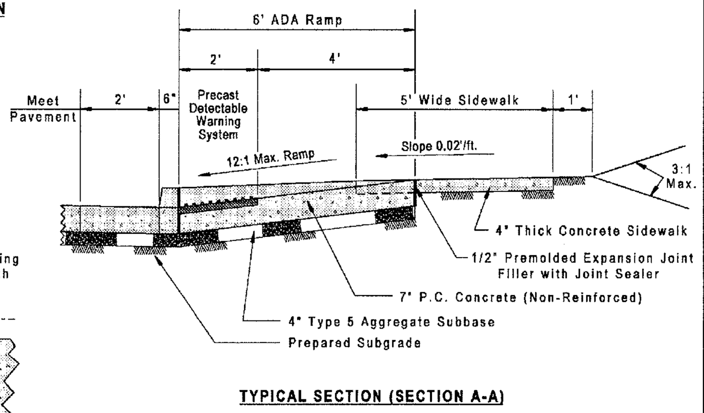
STANDARD TYPICAL SECTION
RESIDENTIAL
42' R/W 26' PAVT.

DATE: May, 2002 DRAWING C203.82A

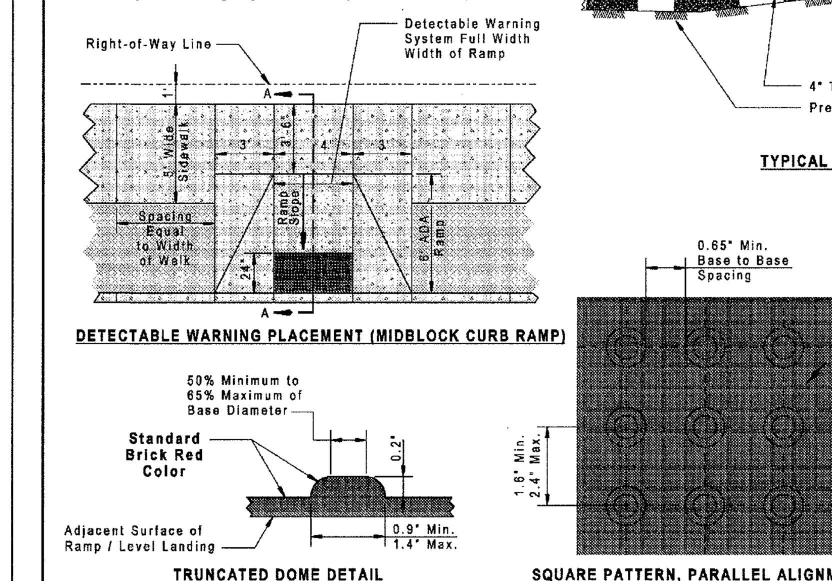
NEW	REVISIONS			
7-24-03	12-1-03	5-14-04	7-1-04	6-8-05

DETECTABLE WARNING SYSTEM FOR NEW CONSTRUCTION

1) Do not scale drawings, follow dimensions.
2) The system shall be designed to meet accessability guidelines for the American Disabilities Act for Detectable Warning (Paragraph 4.29) and Loading Ramps (Paragraph 4.7).
3) The system shall be a cast in place product approved by Saint Louis County prior to usage. Follow manufacturer's installation instructions.
4) Slip resistance shall be tested in accordance with ASTM C 1028-96, standard test method for determining the static coefficient of friction of ceramic tile and other like surfaces by horizontal dynamometer pull-meter test. Minimum static coefficient of friction shall be .60 wet and .70 dry.
5) Color and texture to be approved by Saint Louis County Department of Highway's and Traffic. (Standard Brick Red)



TYPICAL SECTION (SECTION A-A)



DETECTABLE WARNING PLACEMENT (MIDBLOCK CURB RAMP)

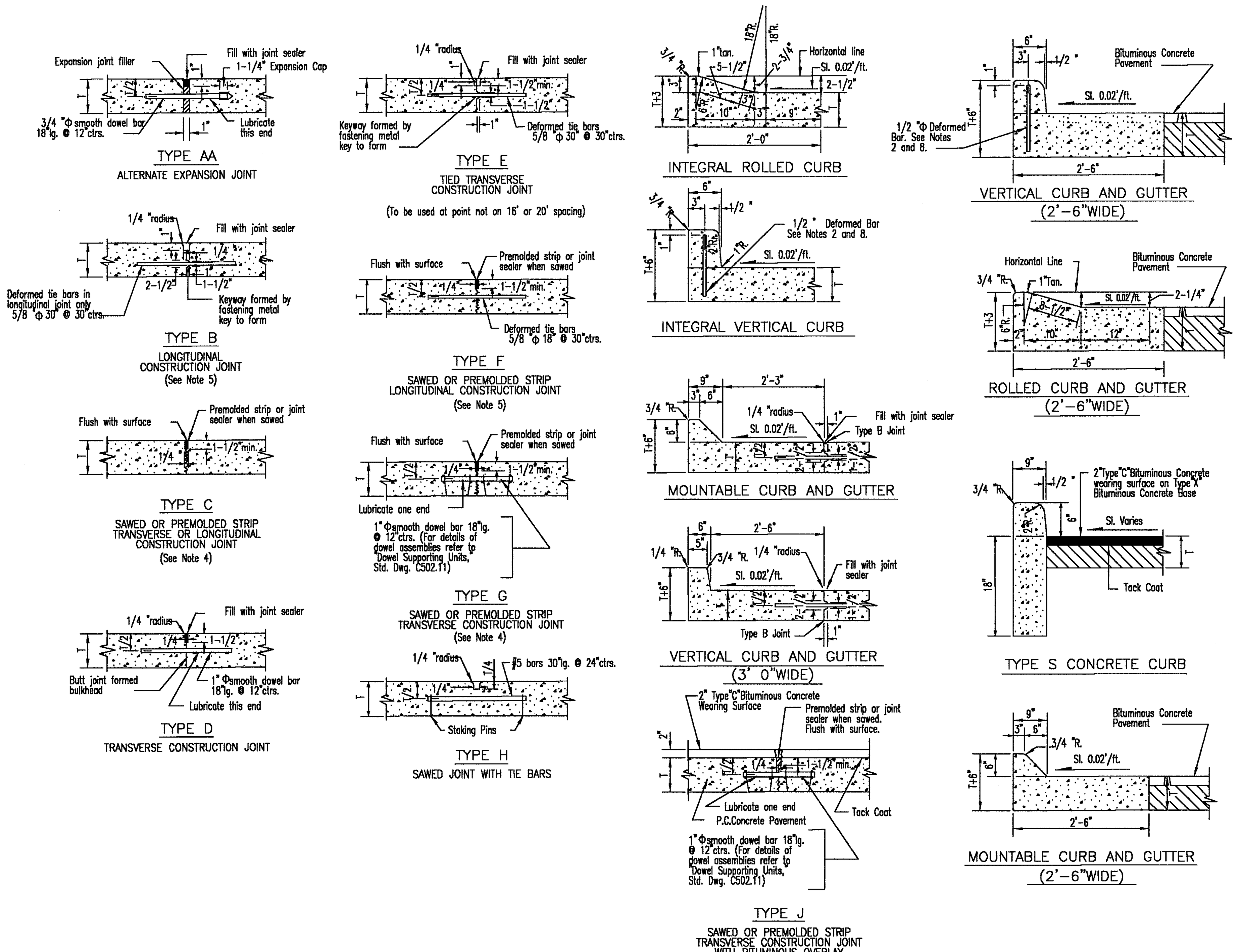
TRUNCATED DOME DETAIL

SQUARE PATTERN, PARALLEL ALIGNMENT

SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
DETECTABLE WARNING SYSTEMS FOR NEW CONSTRUCTION

REVISION DATE: June 8, 2005 DRAWING C608.21



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Construction joint and tie bars may be omitted when curb is poured integral with pavement.
3. Minimum Thickness for Pavement is:

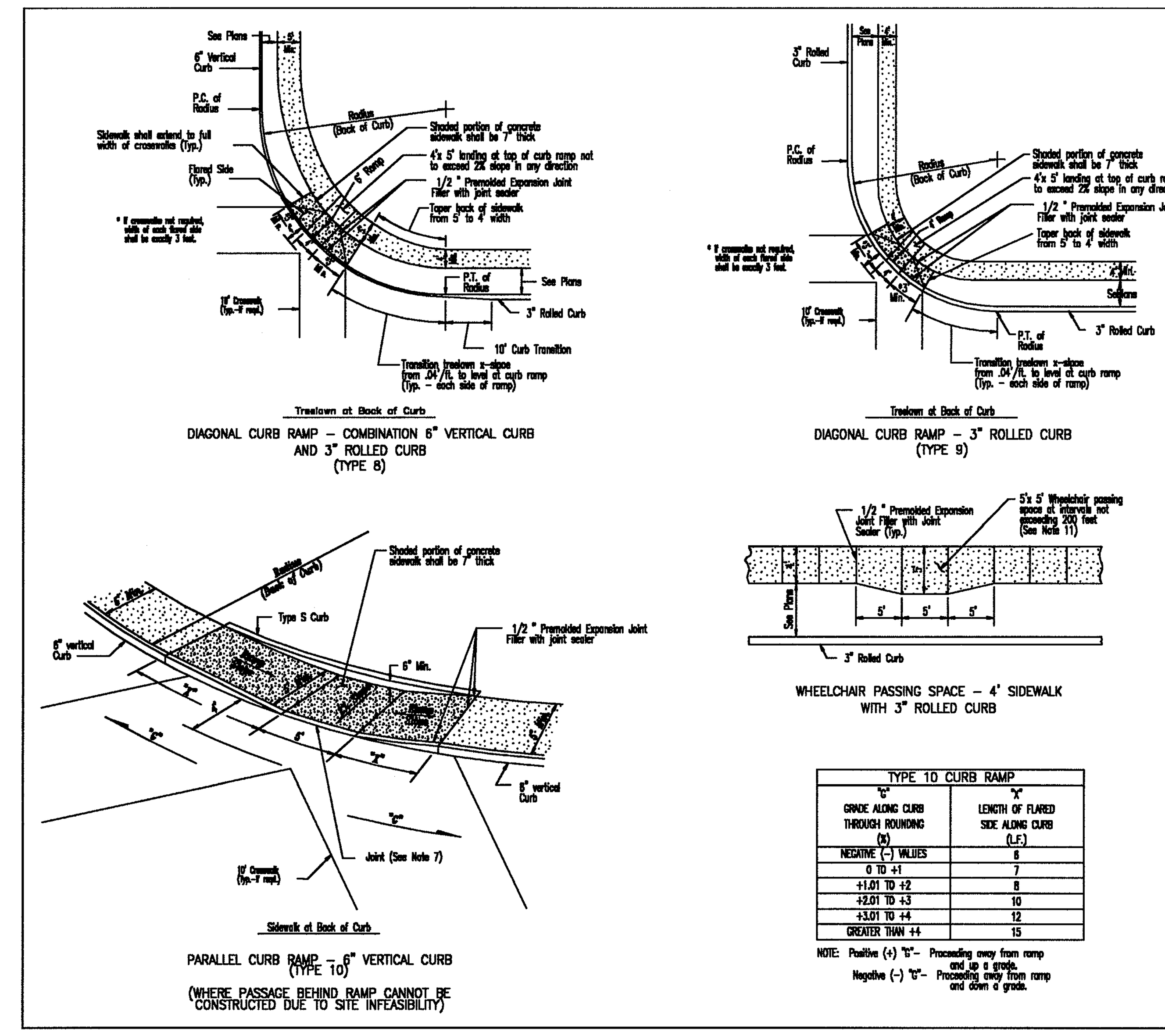
	(T)	
Bituminous Concrete Pavement Thickness =		(T)
Concrete Pavement Thickness =	(T)	
All Residential Minor and Local Streets	6"	7-1/2"
Residential Collector and Non-Residential Streets	7"	9-1/2"
All Arterial Streets	8"	12"

4. Type "G" Transverse Joint is required for Arterial and Non-Residential streets. Use Type "C" Transverse Joint for all others.
5. For Subdivision or Minor Streets having 6" concrete pavement 1/2" Φ deformed tie bars 30" long at 30" centers shall be used for Type "B" Longitudinal Joints and 1/2" Φ deformed tie bars 18" long at 30" centers shall be used for Type "F" Longitudinal Joints.
6. Refer to Pavement Construction Details for "Integral Vertical Curb and Concrete Pavement Typical Sections and Details," Std. Dwg. C502.01 and "Integral Rolled Curb and Concrete Pavement Typical Sections and Details," Std. Dwg. C502.02 for joint and bar requirements for different street classifications. Note that width and location of each poured portion of the pavement may change the type and location of joint required.
7. All deformed bars for joints and curbs shall be Billet Steel Bars conforming to A.S.T.M.615-75, Grade 40.
8. Length of the tie bars shall equal the thickness of pavement plus the height of curb less 3". Tie bars shall be placed at 24" centers.
9. Transverse or longitudinal construction joints in slip formed pavements may be made with a groover or tool, if such device has been approved in advance by the Department.
10. The free end of the dowel bar for a length of at least 11 inches shall be coated with an approved graphite grease.
11. All dowel bars 18"lg. @ 12"ctrs. shall be epoxy coated.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS

DATE: September, 2002 DRAWING C502.03



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 ibility 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 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 pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Joints and Curbs", 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).

TYPE 10 CURB RAMP	
"G" GRADE ALONG CURB THROUGH ROUNDING (%)	"X" LENGTH OF FLARED SIDE ALONG CURB (L.F.)
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 (+) "G"– Proceeding away from ramp and up a grade.
Negative (-) "G"– Proceeding away from ramp and down a grade.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS

DATE: June, 2002 DRAWING C608.12

REVISIONS

DATE		DESC.
10/8/07	1	CITY COMMENTS
12/3/07	2	CITY COMMENTS
1/10/08	3	CITY COMMENTS

DEVELOPER/OWNER:
THE JONES COMPANY HOMES, L.L.C.
16640 CHESTERFIELD GROVE, SUITE 200
CHESTERFIELD, MO 63005
PHONE: (636) 537-7192

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SEAL: STATE OF MISSOURI — MIKE E. VONDERHEIDE — NUMBER E-23077 — REGISTERED PROFESSIONAL ENGINEER — 1/10/08

PRESTON WOODS - PHASE II
OFFSITE CUL-DE-SAC

PRESTON WOODS LANE
ST. CHARLES, MO. 63366

DETAILS

planning • engineering • surveying • landscape architecture
Cole and ASSOCIATES INCORPORATED
10777 sunset office dr.
saint louis, missouri 63127
p: 314 984 9887 f: 314 984 0587

DESIGNED BY JKW
DRAWN BY JKW
CHECKED BY JFH
DATE 8/29/07
Job Number 07-0178
Sheet Number C5.0

USER: jwilson TAB: SITE DETAIL SHEET 5.0
DATE: Jan 10, 2008 - 12:28pm
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