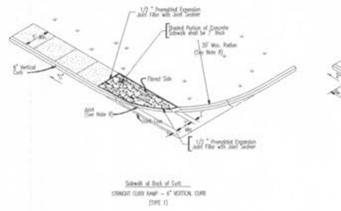
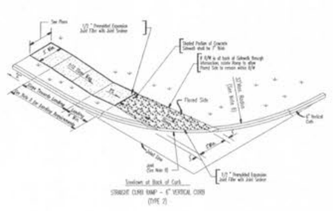
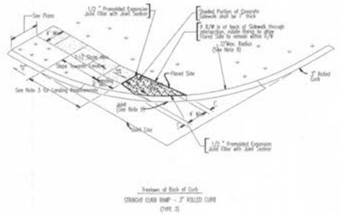


Sidewalk at Back of Curb
STRAIGHT CURB RAMP – 6" VERTICAL CURB
(TYPE 1)



Transition at Back of Curb
STRAIGHT CURB RAMP – 6" VERTICAL CURB
(TYPE 2)



Transition at Back of Curb
STRAIGHT CURB RAMP – 7" ROLLED CURB
(TYPE 3)

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 specifications with Sensitive Act Accessibility Guidelines (ADAAG).
3. Provide a leveling at the top of each straight ramp when the slope during CURB (A") is greater than 1.2% and less than 7.5%. For other values of "A", including all negative (-) values, no leveling is required.
4. Minimum sidewalk width along 6" vertical curb shall be 4 feet. Minimum sidewalk width along 7" rolled curb shall be 5 feet.
5. Maximum sidewalk cross slope 0.02"/ft.
6. All sidewalk sections shall be 6" thick, except where indicated on 7" thick to shaded portions shown on details. All sidewalk sections and curb ramps, regardless of thickness, shall be paid for as "Concrete Sidewalk".
7. Where curb ramp meets pavement, bullnose will not be permitted.
8. Construct a diagonal ramp when the maximum corner radius allowed for a straight ramp is exceeded.
9. If monolithic concrete curb is constructed, while a dummy joint cannot between bottom of ramp at curb line & concrete curb is desired on, black out premium to provide full depth curb cannot ramp from color point of curb taper to outer point of curb taper.
10. For sidewalk locations on Cul-De-Sacs, refer to "Pavement Construction Details".
11. 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.
12. All curb ramps shall have a detectable warning complying with "Requirements with Detectable Act Accessibility Guidelines" (ADAAG).

TYPE 1 AND TYPE 2 CURB RAMPS	
GRADE ALONG CURB (%)	MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	3
0 TO +1	5
+1.01 TO +2	6
+2.01 TO +3	10
+3.01 TO +4	13
GREATER THAN +4	15

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

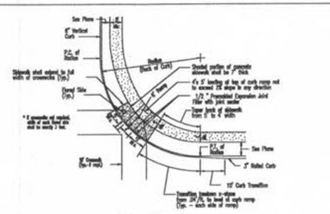
TYPE 3 CURB RAMP	
GRADE ALONG CURB (%)	MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (-) VALUES	3
0 to +2	4
+2.01 to +3	5
+3.01 to +4	6
+4.01 to +5	8
+5.01 to +6	11
GREATER THAN +6	15

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

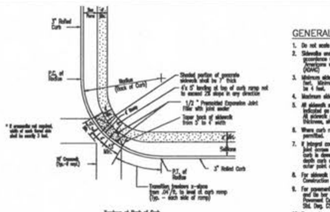
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS

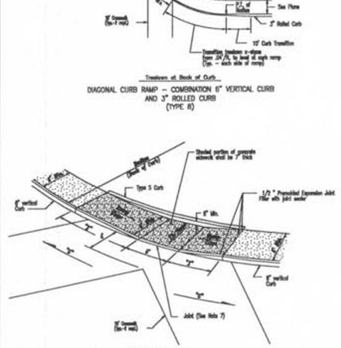
DATE: June, 2002
DRAWING C608.10



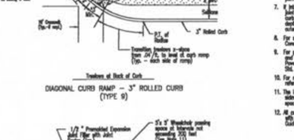
DIAGONAL CURB RAMP – COMBINATION 6" VERTICAL CURB AND 3" ROLLED CURB
(TYPE 8)



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



PARALLEL CURB RAMP – 6" VERTICAL CURB
(TYPE 10)
(WHERE PASSAGE BEHIND RAMP CANNOT BE CONSTRUCTED DUE TO SITE INFEASIBILITY)



WHEELCHAIR PASSING SPACE – 4' SIDEWALK WITH 3" ROLLED CURB

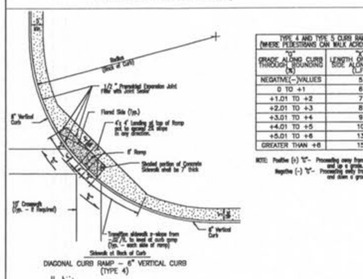
TYPE 10 CURB RAMP	
"A" GRADE ALONG CURB THROUGH RUNNING (%)	"B" LENGTH OF FLARED SIDE ALONG CURB (L.F.)
NEGATIVE (-) VALUES	6
0 TO +1	7
+1.01 TO +2	8
+2.01 TO +3	10
+3.01 TO +4	12
GREATER THAN +4	15

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

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI

PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS

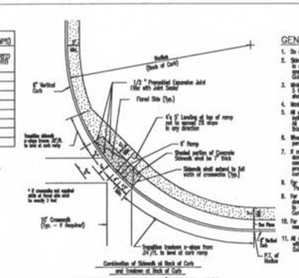
DATE: June, 2002
DRAWING C608.12



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

TYPE 4 AND TYPE 5 CURB RAMPS (WHERE PEDESTRIANS CAN WALK ACROSS RAMPS)	
"A" GRADE ALONG CURB THROUGH RUNNING (%)	"B" 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

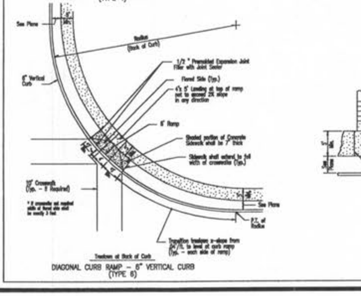
NOTE: Positive (+) "A"- Proceeding away from ramp and up a grade.
Negative (-) "A"- Proceeding away from ramp and down a grade.



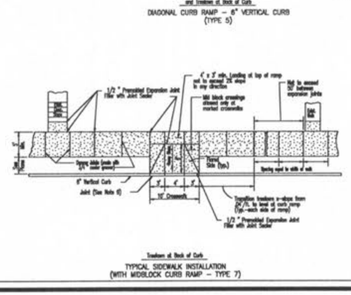
DIAGONAL CURB RAMP – 6" VERTICAL CURB
(TYPE 5)

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 specifications with Sensitive Act Accessibility Guidelines (ADAAG).
3. Minimum sidewalk width along 6" vertical curb shall be 4 feet. Minimum sidewalk width along 7" rolled curb shall be 5 feet.
4. Maximum sidewalk cross slope 0.02"/ft.
5. All sidewalk sections shall be 6" thick, except where indicated on 7" thick to 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, while a dummy joint cannot between bottom of ramp at curb line & concrete curb is desired on, black out premium to provide full depth curb cannot ramp from color 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 curbing cross slopes, pavement types, and thicknesses, refer to "Standard Typical Sections".
11. All curb ramps shall have a detectable warning complying with "Requirements with Detectable Act Accessibility Guidelines" (ADAAG).



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



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

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI

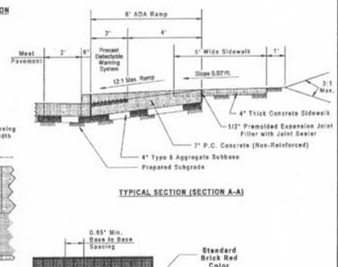
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS

DATE: June, 2002
DRAWING C608.11

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

DETECTABLE WARNING SYSTEM FOR NEW CONSTRUCTION

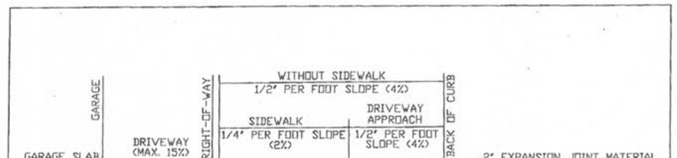
1) Do not scale drawings, follow dimensions.
2) The system shall be designed to meet accessibility guidelines for the American Disabilities Act for Detectable Warning (Paragraph 4.29) and Loading Ramps (Paragraph 4.7).
3) The system shall be a cast in place product approved by Saint Louis County prior 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)



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



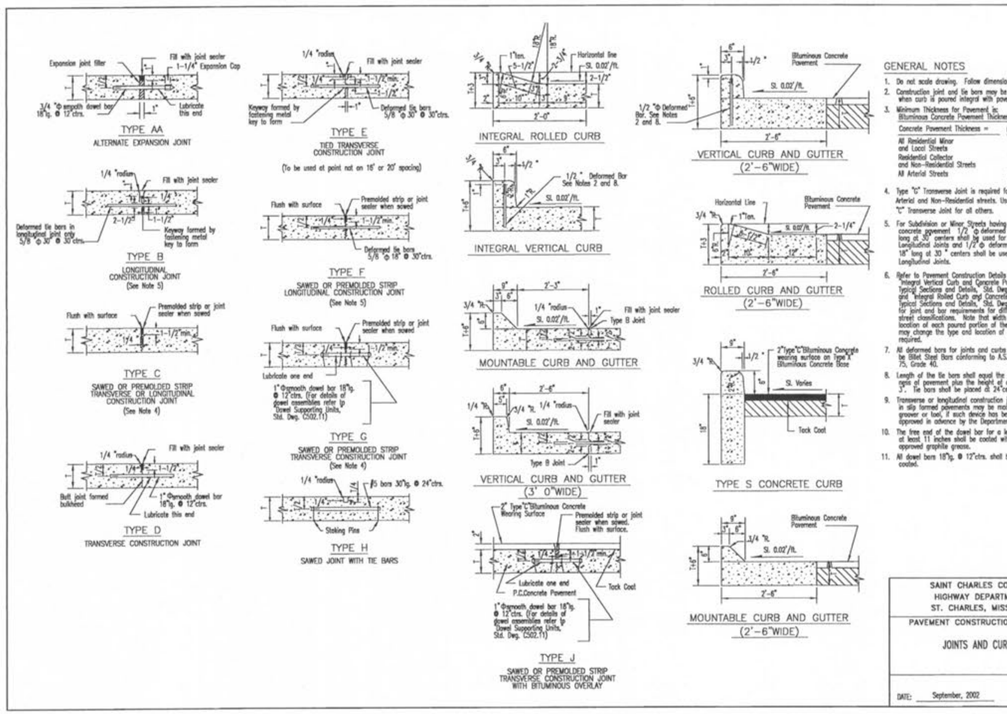
NOT TO SCALE

NOTES:
1. 4" of MoDOT TYPE 1 OR TYPE 5 AGGREGATE BASE IS REQUIRED.
2. A 2" EXPANSION JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS.
3. EXPANSION JOINT MATERIAL MUST EXTEND THROUGH THE FULL DEPTH OF THE PAVEMENT.
4. SIDEWALK THICKNESS SHALL BE A MINIMUM OF 7" THROUGH COMMERCIAL DRIVEWAYS.

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

PAVEMENT CONSTRUCTION DETAILS
Integral Curb Detail "B" at Driveways

DATE: APRIL, 2007



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 at Bituminous Concrete Pavement Thickness =

Concrete Pavement Thickness =	(T)	Q
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 "D" 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" Ø deformed tie bars, 30" long at 30" centers shall be used for type Longitudinal Joints and 1/2" Ø deformed tie bars 18" long at 30" centers shall be used for Type "I" 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

NOTE: THE DETAILS SHOWN HEREIN ARE FOR THE PURPOSE OF PRIVATE CONSTRUCTION ONLY. PUBLIC CONSTRUCTION WILL REQUIRE STRICT ADHERENCE TO THE DETAILS PUBLISHED BY DUCKETT CREEK AND ST. CHARLES COUNTY.

REVISIONS

DESC.	DATE
CITY, PW/DEL, & DUCKETT CREEK COMMENTS	2.8.08
CITY/OWNER COMMENTS	4.3.08
CITY COMMENTS	5.1.08

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

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON AND/OR WHOSE NAME IS SHOWN AS THE ENGINEER IN RESPONSIBLE CHARGE (PURSUANT TO SECTION 327.411 RSMo) ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SPECIFICALLY ENUMERATED IN THE PRECEDING SENTENCE SHALL NOT BE USED FOR, ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.

STATE OF MISSOURI — JOHN F. HARSTEMEYER — NUMBER E-23115 — REGISTERED PROFESSIONAL ENGINEER — 5/1/08

PRESTON WOODS - PHASE III
IMPROVEMENT PLANS
PRESTON WOODS LANE
O'FALLON, MO. 63366

SITE 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 KDK
CHECKED BY JFH
DATE 12/19/07
Job Number 07-0178
Sheet Number C9.8

USER: jwilson, TAB: SITE DETAIL SHEET 9.8
DATE: May 01, 2008 – 8:05am
DRAWING: S:\JOBS\Jobs2007\07-0178\L_C07-0178\dwg\IMPROVEMENT PLANS PHASE III\O_PLAN_C9.0_DETAILS.dwg