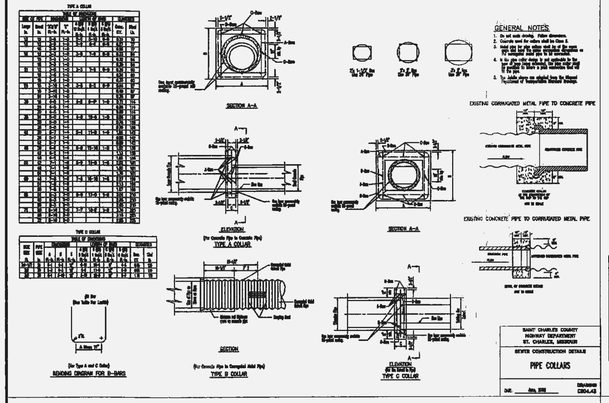
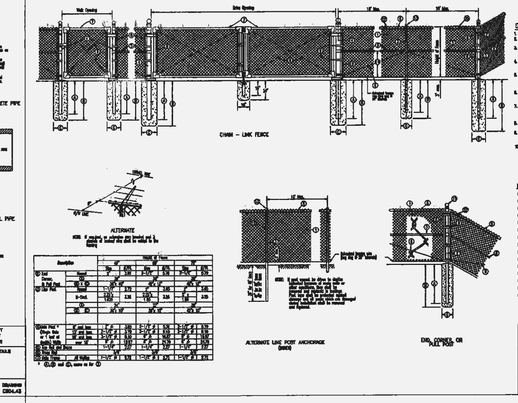


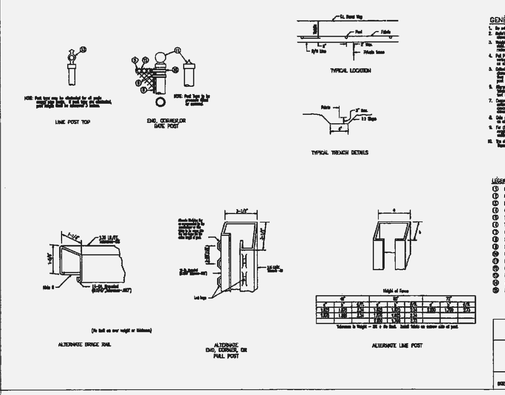
GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. Concrete and bar rebars shall be Class A.
3. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the Pavement Construction Details for Concrete and Curbs, Std. Dwg. C502.03.
4. All necessary pavement markings shall be as required by Saint Charles County.
5. For roadway cross slopes, pavement types and, thickness refer to "Standard Typical Sections.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
SEWER CONSTRUCTION DETAILS
PIPE COLLARS
DATE: Aug. 2002 DRAWING C604.43



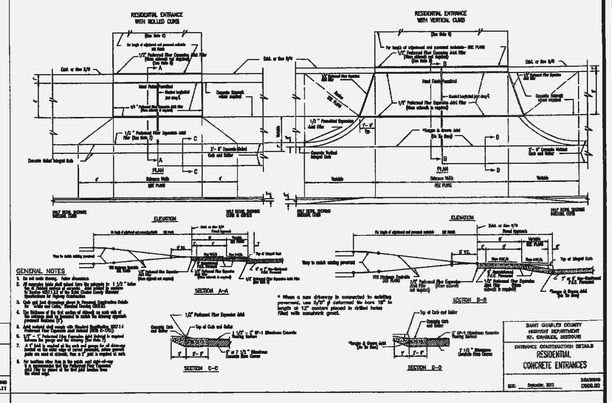
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Fabric shall be of one continuous piece.
3. Contractor to stabilize soil to form a 2' wide, 6" deep trench for fabric to be buried in ground.
4. Post shall not be more than 8' apart in tangent sections and not more than 6' apart in curves. Posts shall be set plumb.
5. Fabric shall be stretched taut and attached to the inside of posts with wire ties or clips.
6. Gate posts shall be set 6" deeper than line posts.
7. Corner or gate posts shall be set in a 12" diameter concrete footing, 30" deep, crowned to shed water.
8. For location of corners and gate posts refer to the Plan and Profile Sheets.
9. For location of corners and gate posts refer to the Plan and Profile Sheets.
10. The fabric shall be raised from the ground for drainage if necessary.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
CHAIN-LINK FENCE
DATE: December, 2000 DRAWING C607.10



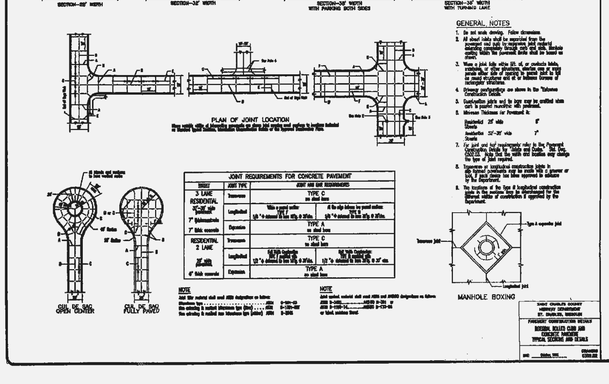
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Fabric shall be of one continuous piece.
3. Contractor to stabilize soil to form a 2' wide, 6" deep trench for fabric to be buried in ground.
4. Post shall not be more than 8' apart in tangent sections and not more than 6' apart in curves. Posts shall be set plumb.
5. Fabric shall be stretched taut and attached to the inside of posts with wire ties or clips.
6. Gate posts shall be set 6" deeper than line posts.
7. Corner or gate posts shall be set in a 12" diameter concrete footing, 30" deep, crowned to shed water.
8. For location of corners and gate posts refer to the Plan and Profile Sheets.
9. For location of corners and gate posts refer to the Plan and Profile Sheets.
10. The fabric shall be raised from the ground for drainage if necessary.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
CHAIN-LINK FENCE
DATE: Aug. 2002 DRAWING C607.11



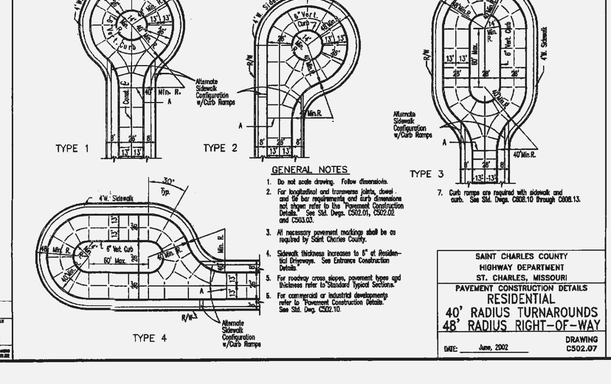
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Concrete and bar rebars shall be Class A.
3. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the Pavement Construction Details for Concrete and Curbs, Std. Dwg. C502.03.
4. All necessary pavement markings shall be as required by Saint Charles County.
5. For roadway cross slopes, pavement types and, thickness refer to "Standard Typical Sections.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
DRIVEWAY CONSTRUCTION DETAILS
RESIDENTIAL
CONCRETE ENTRANCES
DATE: September, 2002 DRAWING C606.60



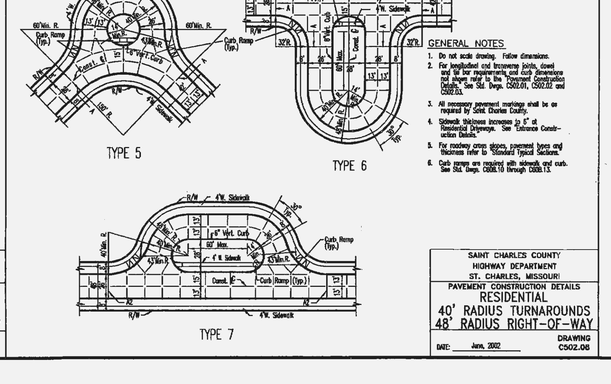
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. All sheet slabs shall be separated from the adjacent concrete by 1/2" thick bituminous expansion material, except where slabs are tied to curb and gutter.
3. Where a joint falls within 10' of an inlet(s) inlet, manhole, or other structure, center of joint shall be placed at center of inlet, manhole, or other structure or joint shall be offset a distance of 1/2 the length of the inlet.
4. Grooved contraction joints are shown in the Tolerance Schedule.
5. Contraction joints are to be tool and be matched with curb in gutter(s) monolithic with slabs.
6. Minimum Thickness for Pavement is:
   Driveway 6" min
   Sidewalk 4" min
   Residential 12'-20' wide 7"
   Collector
7. For joint and bar requirements refer to the "Pavement Construction Details for Concrete and Curbs" Std. Dwg. C502.03. See Std. Dwg. C502.04 for curb and gutter and ramp design for type of joint required.
8. Expansion or construction joints shall have a 1/2" x 3/4" x 24" dowel bar (Type 1) spaced at 12" c/c, or 3/4" x 24" dowel bar (Type 2) spaced at 24" c/c, as required.
9. The roughness of the Type 3 longitudinal construction joint shall not exceed the tolerance established by the Engineer.
10. All curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.
11. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
12. For all curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURBS RAMPS
DATE: Jan. 2002 DRAWING C608.10



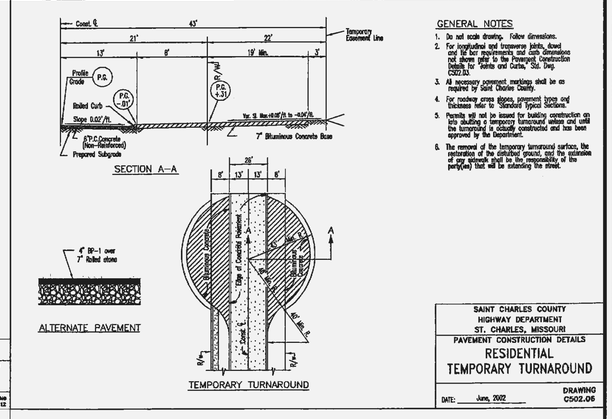
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Concrete and bar rebars shall be Class A.
3. Where curb ramps are constructed with a sloped gutter, the gutter shall be depressed 1" at the curb ramp and shall slope 1/4" per foot to the curb ramp.
4. Expansion shields occur every 200'±.
5. Curb ramps shall be constructed with a broom finish perpendicular to the direction of travel, and shall not exceed 1:12.
6. All sidewalk landings on Cul-De-Sacs, refer to Tolerance Schedule.
7. Curb ramps are required with sidewalk and curb. See Std. Dwgs. C608.10 through C608.13.
8. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
9. For all curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURBS RAMPS
DATE: Jan. 2002 DRAWING C608.11



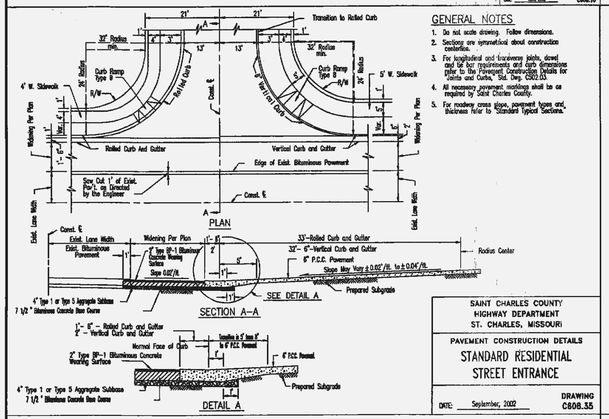
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the "Pavement Construction Details for Concrete and Curbs, Std. Dwg. C502.03.
3. All necessary pavement markings shall be as required by Saint Charles County.
4. Sidewalk thickness increases to 6" at Residential Driveways and 7" at Commercial Driveways. See Entrance Construction Details.
5. For roadway cross slopes, pavement types and thickness refer to "Standard Typical Sections.
6. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
7. Curb ramps are required with sidewalk and curb. See Std. Dwgs. C608.10 through C608.13.
8. For all curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURBS RAMPS
DATE: Jan. 2002 DRAWING C608.12



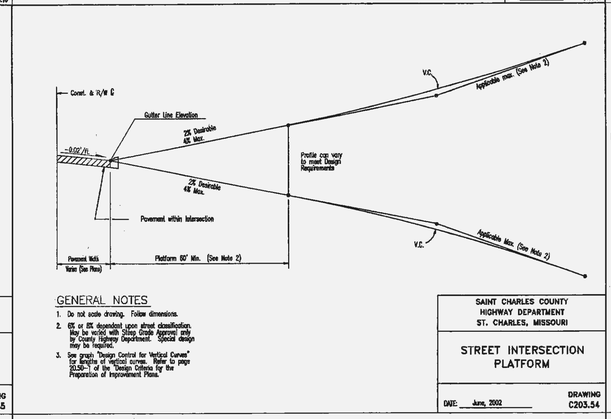
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the Pavement Construction Details for "Aprons and Curbs," Std. Dwg. C502.03.
3. All necessary pavement markings shall be as required by Saint Charles County.
4. For roadway cross slopes, pavement types and thickness refer to "Standard Typical Sections.
5. Permits will not be issued for building construction on any abutting a temporary turnaround unless and until the turnaround is actually constructed and has been approved by the Department.
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.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
RESIDENTIAL
TEMPORARY TURNAROUND
DATE: June, 2002 DRAWING C502.05



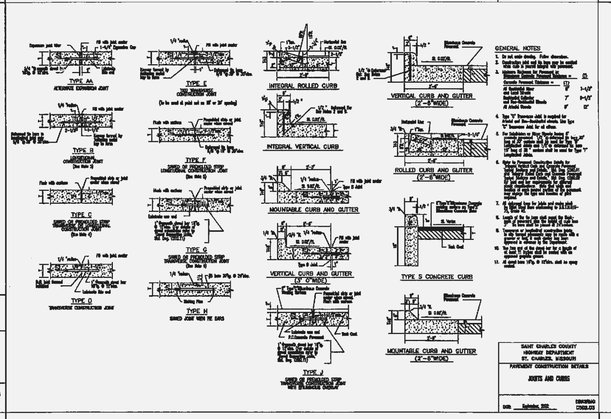
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Sections are symmetrical about construction centerline.
3. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the Pavement Construction Details for "Aprons and Curbs," Std. Dwg. C502.03.
4. All necessary pavement markings shall be as required by Saint Charles County.
5. For roadway cross slopes, pavement types and, thickness refer to "Standard Typical Sections.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
STANDARD RESIDENTIAL STREET ENTRANCE
DATE: September, 2002 DRAWING C608.35



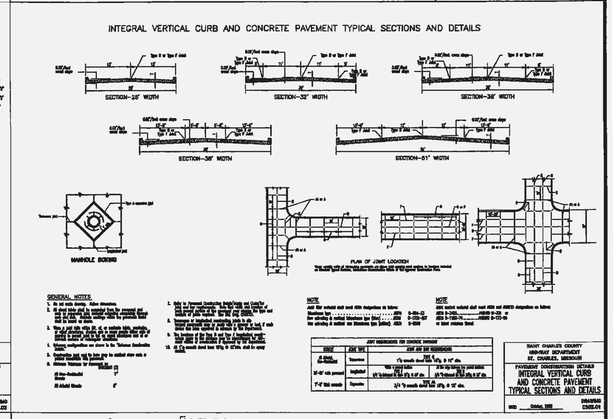
GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. 0% or 8% dependent upon street classification. May be varied with Sites Grade Approval only by County Highway Department. Special design may be required.
3. See graph "Design Control for Vertical Curves" for length of vertical curves. Refer to page III.60-1 of the "Design Criteria for the Preparation of Improvement Plans."

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
STREET INTERSECTION PLATFORM
DATE: June, 2002 DRAWING C203.54



GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. Sections 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 "Aprons and Curbs," Std. Dwg. C502.03.
4. All necessary pavement markings shall be as required by Saint Charles County.
5. For roadway cross slopes, pavement types and, thickness refer to "Standard Typical Sections.
6. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
7. Curb ramps are required with sidewalk and curb. See Std. Dwgs. C608.10 through C608.13.
8. For all curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS
DATE: September, 2002 DRAWING C502.02



GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. All sheet slabs shall be separated from the adjacent concrete by 1/2" thick bituminous expansion material, except where slabs are tied to curb and gutter(s) monolithic with slabs.
3. Where a joint falls within 10' of an inlet(s) inlet, manhole, or other structure, center of joint shall be placed at center of inlet, manhole, or other structure or joint shall be offset a distance of 1/2 the length of the inlet.
4. Grooved contraction joints are shown in the Tolerance Schedule.
5. Contraction joints are to be tool and be matched with curb in gutter(s) monolithic with slabs.
6. Minimum Thickness for Pavement is:
   Driveway 6" min
   Sidewalk 4" min
   Residential 12'-20' wide 7"
   Collector
7. For joint and bar requirements refer to the "Pavement Construction Details for Concrete and Curbs" Std. Dwg. C502.03. See Std. Dwgs. C502.04 for curb and gutter and ramp design for type of joint required.
8. Expansion or construction joints shall have a 1/2" x 3/4" x 24" dowel bar (Type 1) spaced at 12" c/c, or 3/4" x 24" dowel bar (Type 2) spaced at 24" c/c, as required.
9. The roughness of the Type 3 longitudinal construction joint shall not exceed the tolerance established by the Engineer.
10. All curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.
11. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
12. For all curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS
DATE: October, 2002 DRAWING C608.01

GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. All sheet slabs shall be separated from the adjacent concrete by 1/2" thick bituminous expansion material, except where slabs are tied to curb and gutter(s) monolithic with slabs.
3. Where a joint falls within 10' of an inlet(s) inlet, manhole, or other structure, center of joint shall be placed at center of inlet, manhole, or other structure or joint shall be offset a distance of 1/2 the length of the inlet.
4. Grooved contraction joints are shown in the Tolerance Schedule.
5. Contraction joints are to be tool and be matched with curb in gutter(s) monolithic with slabs.
6. Minimum Thickness for Pavement is:
   Driveway 6" min
   Sidewalk 4" min
   Residential 12'-20' wide 7"
   Collector
7. For joint and bar requirements refer to the "Pavement Construction Details for Concrete and Curbs" Std. Dwg. C502.03. See Std. Dwgs. C502.04 for curb and gutter and ramp design for type of joint required.
8. Expansion or construction joints shall have a 1/2" x 3/4" x 24" dowel bar (Type 1) spaced at 12" c/c, or 3/4" x 24" dowel bar (Type 2) spaced at 24" c/c, as required.
9. The roughness of the Type 3 longitudinal construction joint shall not exceed the tolerance established by the Engineer.
10. All curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.
11. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
12. For all curb ramps shall have a detectable warning complying with Section 4.29.2 of ADAAG.

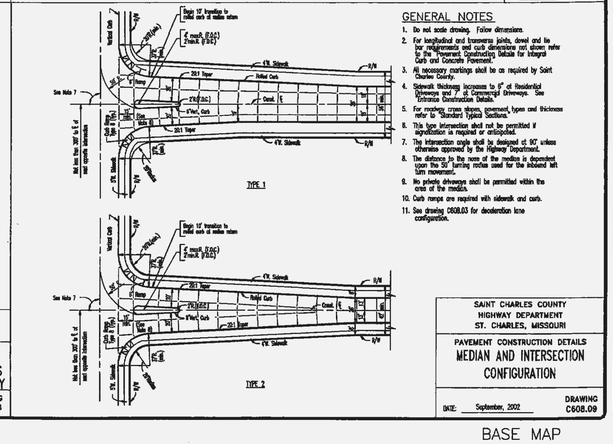
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS
DATE: October, 2002 DRAWING C608.01

GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the Pavement Construction Details for Concrete and Curbs, Std. Dwgs. C502.01, C502.02 and C503.03.
3. All necessary pavement markings shall be as required by Saint Charles County.
4. Sidewalk thickness increases to 6" at Residential Driveways. See Entrance Construction Details.
5. For roadway cross slopes, pavement types and thickness refer to "Standard Typical Sections.
6. For commercial or industrial developments refer to "Pavement Construction Details." See Std. Dwg. C502.10.
7. Curb ramps are required with sidewalk and curb. See Std. Dwgs. C608.10 through C608.13.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
RESIDENTIAL
40' RADIUS TURNAROUNDS
48' RADIUS RIGHT-OF-WAY
DATE: June, 2002 DRAWING C502.07

GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the "Pavement Construction Details for Concrete and Curbs, Std. Dwgs. C502.01, C502.02 and C503.03.
3. All necessary pavement markings shall be as required by Saint Charles County.
4. Sidewalk thickness increases to 6" at Residential Driveways. See Entrance Construction Details.
5. For roadway cross slopes, pavement types and thickness refer to "Standard Typical Sections.
6. For curb ramps and their location, see Std. Dwg. C608.10 through C608.13.
7. Curb ramps are required with sidewalk and curb. See Std. Dwgs. C608.10 through C608.13.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
RESIDENTIAL
40' RADIUS TURNAROUNDS
48' RADIUS RIGHT-OF-WAY
DATE: June, 2002 DRAWING C502.06



GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions refer to the "Pavement Construction Details for Integral Curb and Concrete Pavement."
3. All necessary markings shall be as required by Saint Charles County.
4. Sidewalk thickness increases to 6" at Residential Driveways and 7" at Commercial Driveways. See Entrance Construction Details.
5. For roadway cross slopes, pavement types and thickness refer to "Standard Typical Sections.
6. This type intersection shall not be permitted if superelevation is required or anticipated.
7. The intersection angle shall be designed at 90° unless otherwise approved by the Highway Department.
8. The distance to the nose of the median is dependent upon the 30' turning radius used for the inbound left turn movement.
9. No private driveways shall be permitted within the area of the median.
10. Curb ramps are required with sidewalk and curb.
11. See drawing C608.03 for deceleration lane configuration.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
MEDIAN AND INTERSECTION CONFIGURATION
DATE: September, 2002 DRAWING C608.09

ISSUE	REMARKS/DATE
1	11-14-02 1st Submittal

PREPARED FOR:
McBride & Son Home, Inc.
#1 McBride & Son Center Drive
Chesterfield, Missouri 63005

PREPARED BY:
THE STERLING CO.
ENGINEERS & SURVEYORS
6066 NEW BALLWIN ROAD

PROJECT:
BRIARCHASE

DRAWN:
DESIGNED:

NO. 02 | 03 | C
M.S.D. P#
DIGITAL FILE LOCATION
SERVER-STERLING-2
12100-
3D-Details.DWG

BASE MAP