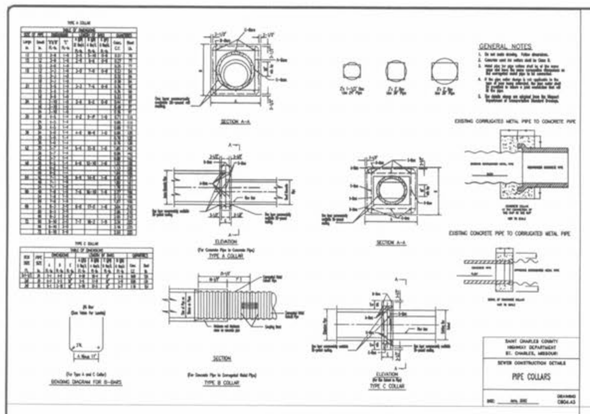
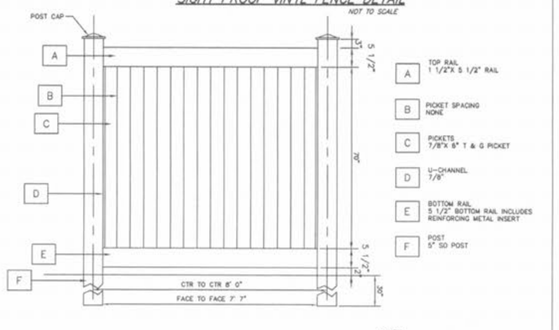
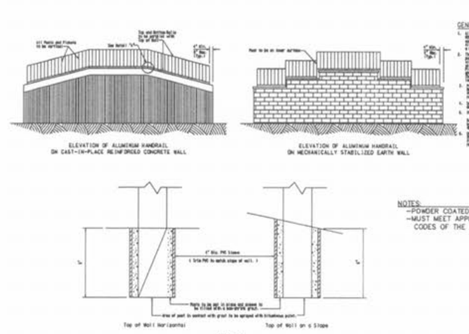


SIGHT PROOF VINYL FENCE DETAIL

NOT TO SCALE



NOTE:
ALL PROPOSED FENCING SHALL REQUIRE A SEPARATE PERMIT THROUGH THE PLANNING DIVISION.

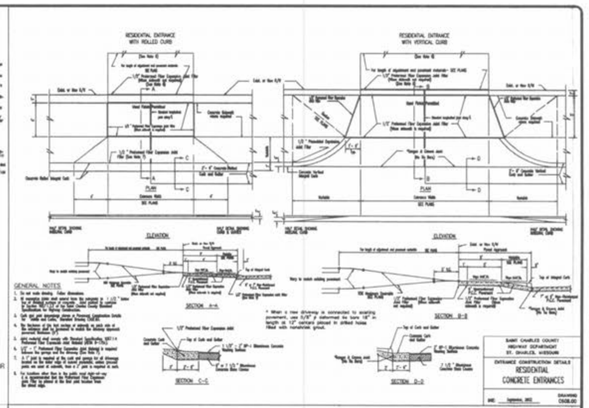


GENERAL NOTES

1. SECTION AND DETAILS SHOWN ARE TO SHOW TYPE AND GENERAL CONSTRUCTION REQUIREMENTS. ACTUAL DESIGN SHALL BE PREPARED BY A REGISTERED ENGINEER AND SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR APPROVAL.
2. THE CONTRACTOR SHALL FURNISH A COPY OF SHOP DRAWINGS FOR ALL ALUMINUM RAILINGS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.
3. ALUMINUM RAILINGS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS.
4. ALL WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED IN ACCORDANCE WITH AWS D1.2 STRUCTURAL WELDING CODE - ALUMINUM.
5. ALL ALUMINUM SURFACES SHALL BE PROTECTED FROM CONTACT WITH CONCRETE OR MASONRY BY A COATING OF BITUMINOUS PAINT.
6. THE FOLLOWING SYSTEM IS APPROVED FOR USE:

NOTES:
-POWDER COATED ALUMINUM
-MUST MEET APPLICABLE BUILDING CODES OF THE CITY OF O'FALLON

ALUMINUM HANDRAIL FOR RETAINING WALLS



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Concrete and its reinforcement shall be placed in accordance with the Missouri Standard Specifications for Highway Construction.
3. All reinforcing steel shall be supported by chairs or other approved devices.
4. Bars are shown in approximate position only. Bars shall be placed to provide the minimum concrete cover required by the Missouri Standard Specifications for Highway Construction.
5. Bar sizes shown are adopted from the Missouri Standard Specifications for Highway Construction.
6. Construction joints shall be placed where shown on the plans or as approved by the Engineer.
7. Expansion joints shall be placed around all fixtures in walks, curbs and pavement.
8. Concrete shall have a minimum compressive strength of 3000 psi at 28 days.
9. Concrete shall be air entrained with 5% to 7% entrained air.
10. Concrete shall be cured by an approved method.
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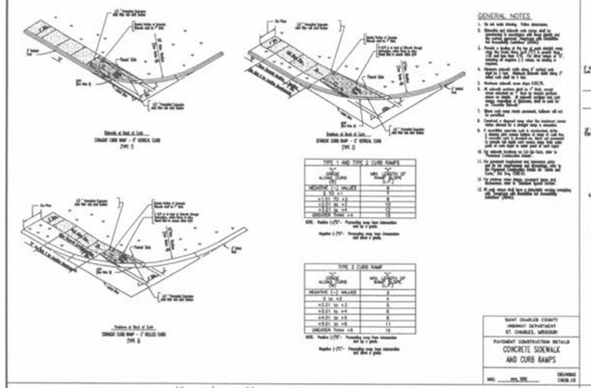
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
ENTRANCE CONSTRUCTION DETAILS
RESIDENTIAL
CONCRETE ENTRANCES
DRAWING C608.00



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All street walks shall slope at an approved rate for pedestrian and wheelchair traffic. Where walks cross driveways, the slope of walks within the terminal area shall not exceed 2%.
3. Where a joint falls within 24" of, or contacts walks, driveways, or other structures, the joint or joints shall be sawed to a depth of 1/4 of the slab thickness or formed to a depth of 1/4 of the slab thickness.
4. Expansion joints shall be placed around all fixtures in walks, curbs and pavement.
5. Concrete shall have a minimum compressive strength of 3000 psi at 28 days.
6. Concrete shall be air entrained with 5% to 7% entrained air.
7. Concrete shall be cured by an approved method.
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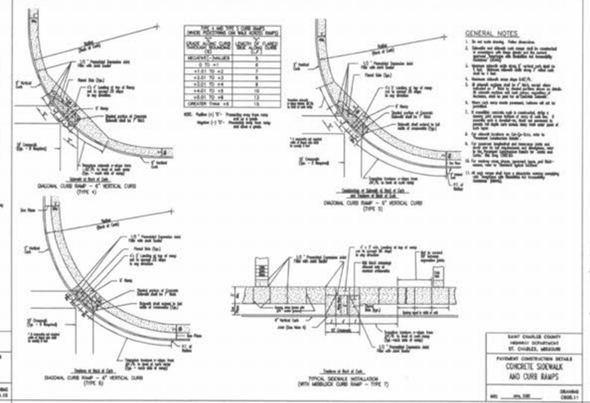
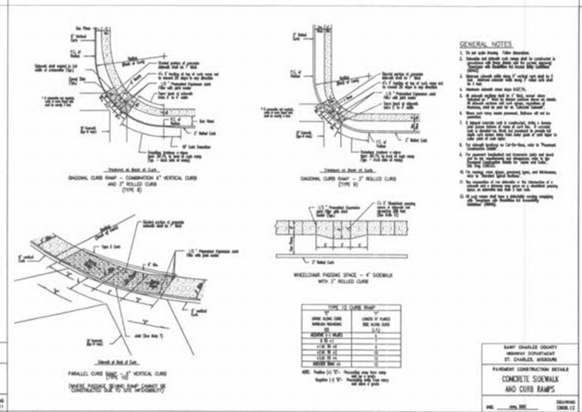
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS
DRAWING C608.10



SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS
DRAWING C608.11



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed of Class B concrete with a minimum compressive strength of 3000 psi at 28 days.
3. Minimum sidewalk width shall be 4'-0".
4. Minimum sidewalk cross slope shall be 1/4" per foot.
5. All sidewalk curb ramps shall be constructed with a detectable warning surface.
6. Detectable warning surface shall be truncated domes, aligned in a square grid pattern, with a minimum base diameter of 0.9" and a minimum height of 0.2". The domes shall have a flat top with a minimum diameter of 0.45". The detectable warning surface shall contrast visually with adjoining surfaces, either light on dark, or dark on light.
7. Curb ramps and sidewalks shall be constructed with a non-slip finish.
8. All sidewalk curb ramps shall be constructed with a detectable warning surface.
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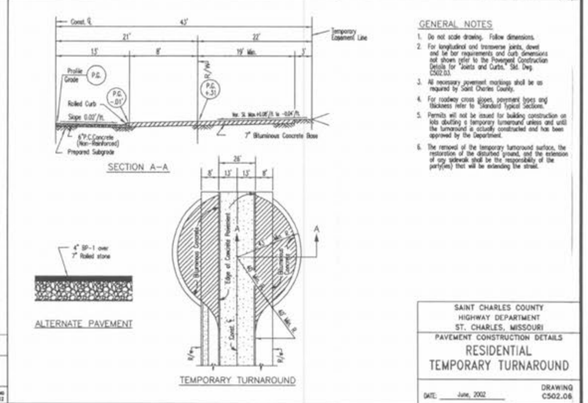
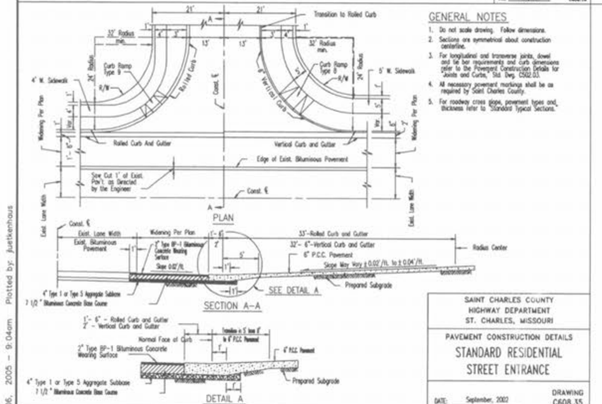
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS
DRAWING C608.12



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions not shown refer to the Pavement Construction Details for Integral Curb and Concrete Pavement, Std. Dwg. C502.01 and C502.02.
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 lots 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.

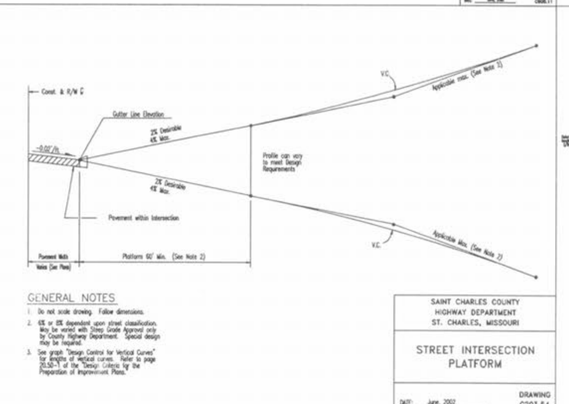
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
RESIDENTIAL
TEMPORARY TURNAROUND
DATE: June, 2002
DRAWING C502.06



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 "Island and Curbs," Std. Dwg. C502.01.
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."

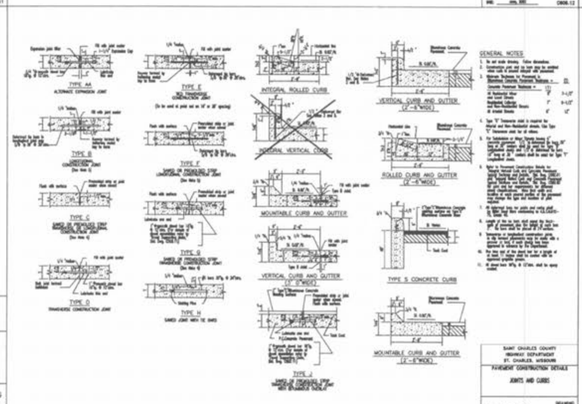
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
STANDARD RESIDENTIAL
STREET ENTRANCE
DATE: September, 2002
DRAWING C608.35



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. 6% or 8% dependent upon street classification. May be varied with Steep Grade Approval only by County Highway Department. Typical design may be required.
3. See graph "Design Control for Vertical Curves" for lengths of vertical curves. Refer to page 210.30-1 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

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3. All reinforcing steel shall be supported by chairs or other approved devices.
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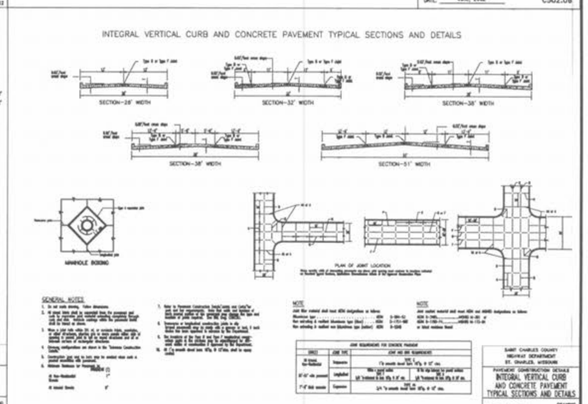
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
JOINTS AND CURBS
DRAWING C608.01



INTEGRAL VERTICAL CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS

GENERAL NOTES

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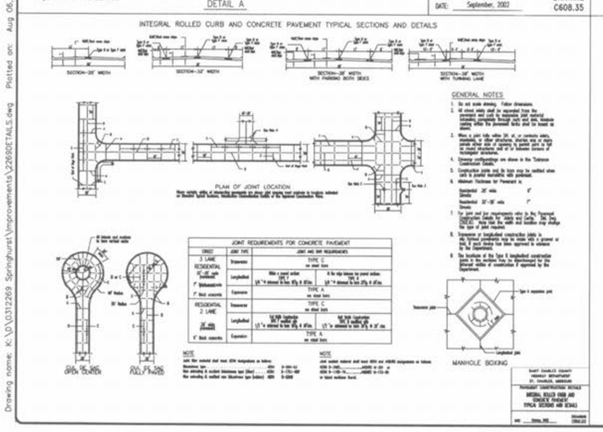
42. Concrete shall be protected from excessive algae growth for a minimum of 72 hours after placement.
43. Concrete shall be protected from excessive moss growth for a minimum of 72 hours after placement.
44. Concrete shall be protected from excessive lichen growth for a minimum of 72 hours after placement.
45. Concrete shall be protected from excessive fungus growth for a minimum of 72 hours after placement.
46. Concrete shall be protected from excessive bacteria growth for a minimum of 72 hours after placement.
47. Concrete shall be protected from excessive virus growth for a minimum of 72 hours after placement.
48. Concrete shall be protected from excessive parasite growth for a minimum of 72 hours after placement.
49. Concrete shall be protected from excessive insect growth for a minimum of 72 hours after placement.
50. Concrete shall be protected from excessive animal growth for a minimum of 72 hours after placement.

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



INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All street walks shall slope at an approved rate for pedestrian and wheelchair traffic. Where walks cross driveways, the slope of walks within the terminal area shall not exceed 2%.
3. Where a joint falls within 24" of, or contacts walks, driveways, or other structures, the joint or joints shall be sawed to a depth of 1/4 of the slab thickness or formed to a depth of 1/4 of the slab thickness.
4. Driveway configurations are shown in the Entrance Construction Details.
5. Construction joints shall be tied as for method when curb is placed monolithic with pavement.
6. Minimum thickness for Pavement is:
   Residential: 6" min
   Residential: 10"-18" min
   Service
7. For joint and bar requirements refer to the Pavement Construction Details for "Integral Curb and Concrete Pavement," Std. Dwg. C502.01. Keep tool bar ends and tie bars clear of joints.
8. Transverse or longitudinal construction joints in slip formed pavements may be made with a planer or saw cut. Such joints shall be approved in advance by the Department.
9. The thickness at the face of longitudinal construction joints shall be 1/4 of the slab thickness. Special notice if construction if approved by the Department.

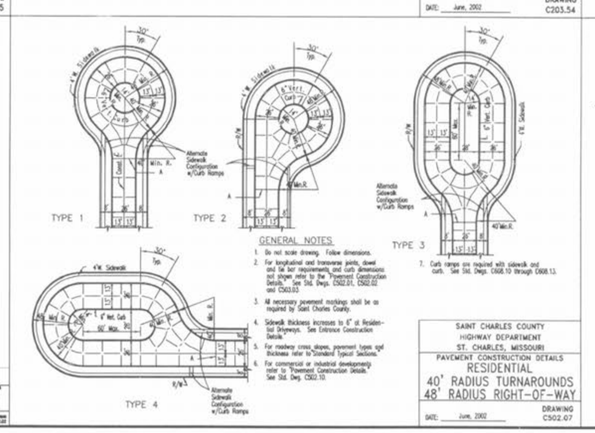
JOINT REQUIREMENTS FOR CONCRETE PAVEMENT

STREET	JOINT TYPE	JOINT REQUIREMENTS
2 LANE RESIDENTIAL 6" slab 4" Sidewalk	Transverse	TYPE C on steel bars
	Longitudinal	Max c.c.c. within 1/2" entered to the 3/4 p. d. plan.	3/4" tie entered to the 3/4 p. d. plan.
	Expansion	TYPE C on steel bars
RESIDENTIAL 2 LANE 7" thick concrete	Transverse	TYPE C on steel bars
	Longitudinal	15.000 maximum 30.1 maximum 1/2" entered to the 3/4 p. d. plan.	1/2" tie entered to the 3/4 p. d. 30" on.
6" thick concrete	Expansion	TYPE A on steel bars

NOTE
Use the welded steel mesh ASTM designations as follows:
Residential: 6" slab ... 6x6 - W2.9 x W2.9
Residential & modern businesses (per Dist.) ... 6x6 - W4.0 x W4.0
Not selected & modern businesses (per Dist.) ... 6x6 - W5.5 x W5.5

NOTE
Use welded steel mesh ASTM designations as follows:
Residential: 6" slab ... 6x6 - W2.9 x W2.9
Residential & modern businesses (per Dist.) ... 6x6 - W4.0 x W4.0
Not selected & modern businesses (per Dist.) ... 6x6 - W5.5 x W5.5

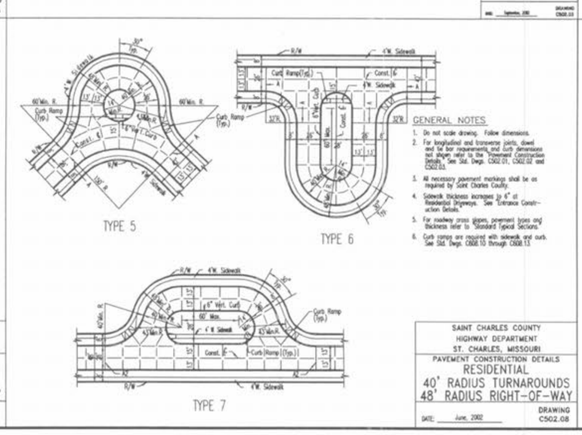
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
MEDIAN CURB AND CURB RAMP TYPICAL SECTIONS AND DETAILS
DRAWING C608.02



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions not shown refer to the "Pavement Construction Details" See 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.

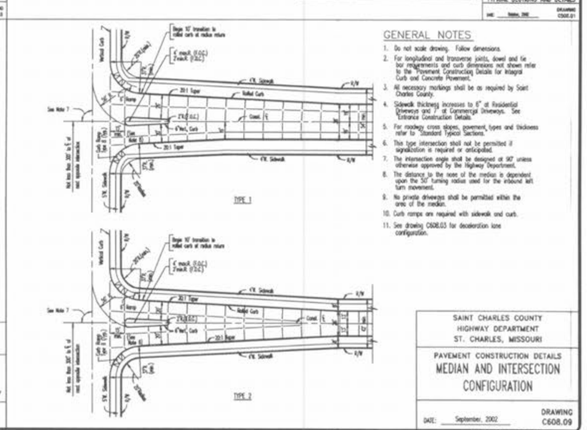
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
RESIDENTIAL
40' RADIUS TURNAROUNDS
48' RADIUS RIGHT-OF-WAY
DATE: June, 2002
DRAWING C502.07



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions not shown refer to the "Pavement Construction Details" See 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. 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 C502.08



GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. For longitudinal and transverse joints, dowel and tie bar requirements and curb dimensions not shown 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 at Commercial Driveways. See "Entrance Construction Details