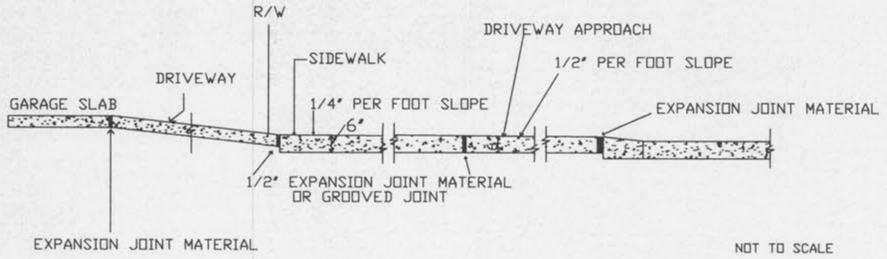
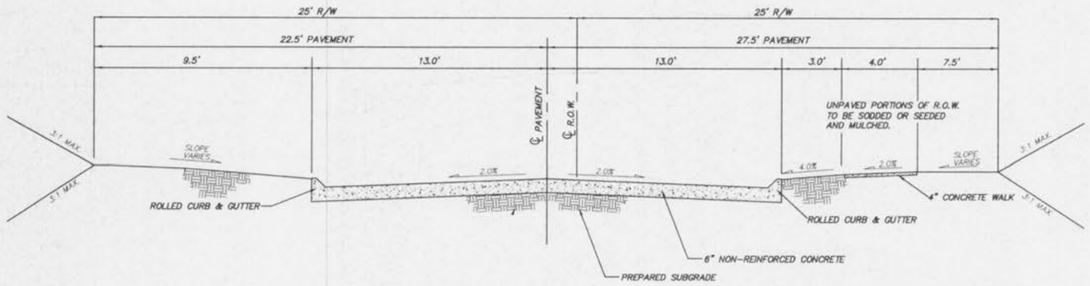


NOT TO SCALE

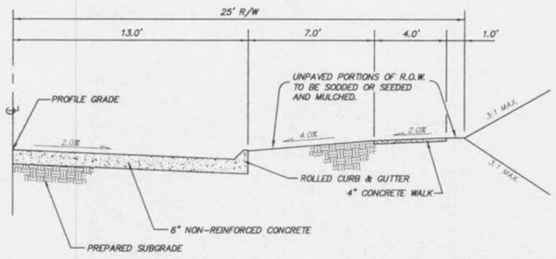
NOTES:
1. A 1" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON THE OUTER EDGE OF CURVED PAVEMENT, UNLESS GROOVED JOINTS ARE USED AT SIDEWALK. THEN A 2" JOINT IS REQUIRED AT CURB.
2. A 1/2" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON TANGENT SECTIONS OF PAVEMENT OR ON THE INNER EDGE OF CURVED PAVEMENT.
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.

SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
Integral Curb Detail "B" at Driveways
DATE: May, 2002 — DRAWING C502.05



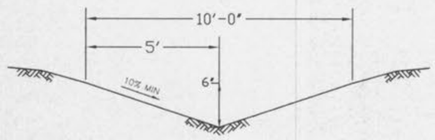
TYPICAL PAVEMENT SECTION

NOT TO SCALE



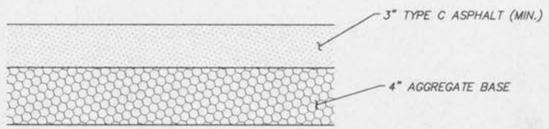
TYPICAL PAVEMENT 1/2 SECTION (ERIN DR. ONLY)

NOT TO SCALE



SWALE AT 1% MIN. GRADE WITH A MAX "Q" OF 4 C.F.S.
DEPTH = 0.42
VELOCITY = 2.10 F.P.S.
SWALE AT 10% MIN. GRADE WITH A MAX "Q" OF 4 C.F.S.
DEPTH = 0.25
VELOCITY = 5.05 F.P.S. N = 0.025

TYPICAL CROSS SEC. OF RELIEF SWALES
N.T.S.

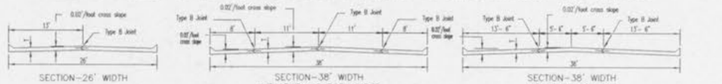


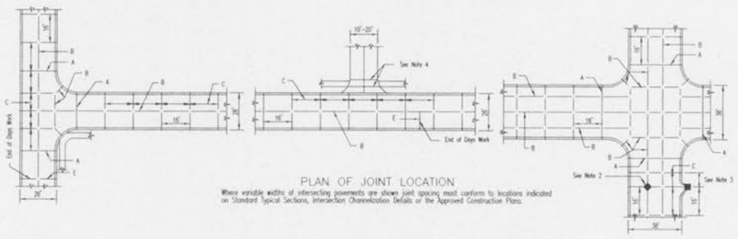
MULTI-USE TRAIL DETAIL

(MINIMUM 4' WIDE)

NOT TO SCALE

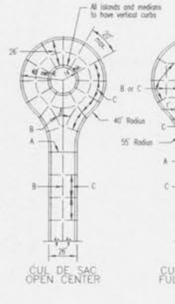
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS





GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. All street inlets shall be separated from the pavement and curb by expansion joint material extending completely through curb and slab. Manhole casting within the pavement limits shall be boxed as shown.
3. When a joint falls within 5ft. of, or contacts inlets, manholes, or other structures, shorten one or more panels either side of opening to permit joint to fall on round structures and at or between corners of rectangular structures.
4. Driveway configurations are shown in the "Entrance Construction Details."
5. Construction joints and tie bars may be omitted when curb is poured monolithic with pavement.
6. Minimum Thickness for Pavement is:
   Residential 26' wide Streets — 6"
   Residential 38' wide Streets — 7"
7. For joint and bar requirements refer to the Pavement Construction Details for "Joints and Curbs," Std. Dwg. C502.03. Note that the width and location may change the type of joint required.
8. 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.
9. The locations of the Type B longitudinal construction joints in the sections may be interchanged for the different widths of construction if approved by the Department.



JOINT REQUIREMENTS FOR CONCRETE PAVEMENT

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS	
RESIDENTIAL 3 LANE 38' wide pavement 7" thick concrete	Transverse	TYPE C no steel bars	
	Longitudinal	Within a poured section and at the edge between two poured sections: TYPE B 5/8" ℄ deformed tie bars 30"lg. @ 30" ctrs.	
	Expansion	TYPE A no steel bars	
RESIDENTIAL 2 LANE 26' wide pavement 6" thick concrete	Transverse	TYPE C no steel bars	
	Longitudinal	Full Width Construction: TYPE B 5/8" ℄ deformed tie bars 30"lg @ 30" ctrs.	Half Width Construction: TYPE B modified with 1/2" ℄ deformed tie bars 30"lg @ 30" ctrs.
	Expansion	TYPE A no steel bars	

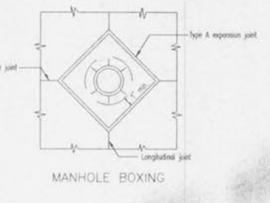
NOTE
Joint filler material shall meet ASTM designations as follows:

Bituminous type	ASTM	D-994-53
Non extruding & resilient bituminous type (fiber)	ASTM	D-1751-60T
Non extruding & resilient non bituminous type (rubber)	ASTM	D-5249

NOTE
Joint sealant material shall meet ASTM and AASHTO designations as follows:

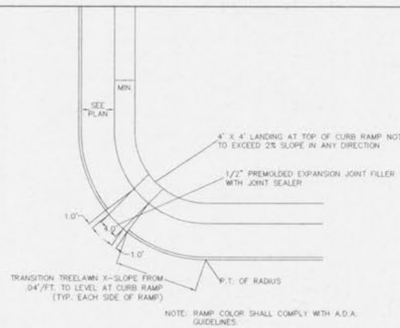
ASTM D-3405	AASHTO M-301 or
ASTM D-1190-74	AASHTO M-173-84

or latest revisions thereof.

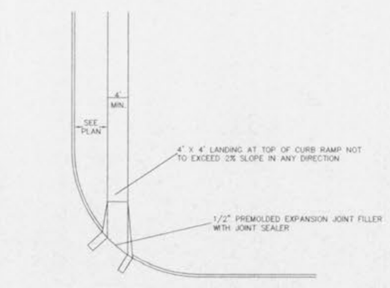


MANHOLE BOXING

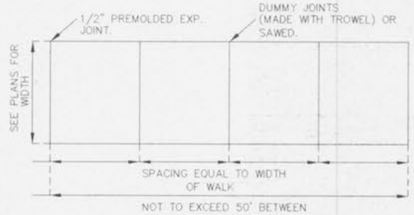
SAINT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS
DATE: December, 2000 — DRAWING C502.02

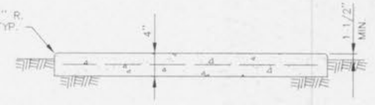


DIAGONAL CURB RAMP



STRAIGHT CURB RAMP





SIDEWALK

CONCRETE SIDEWALK

PICKETT RAY & SILVER
CIVIL ENGINEERS
PLANNERS
LAND SURVEYORS
333 Mid Rivers Mall Drive
St. Peters, MO 63376
Phone (636) 397-1211
Fax (636) 397-1104

WHITEGATE VILLAS
ADDITION
CONSTRUCTION DETAILS

Prepared For:
SUMMIT POINTE L.C.
239 ROCK HILL ROAD
ST. CHARLES, MO 63301
636-940-9300

REVISIONS NO.	DATE	
1	09-06-02	REV. PER CITY OF O'FALLON
2	09-23-02	REV. PER CITY OF O'FALLON

ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.
PICKETT, RAY & SILVER, INC
STATE OF MISSOURI — HAROLD J. BARTCH — NUMBER E-17751 — REGISTERED PROFESSIONAL ENGINEER

DRAWN: ABK	DATE: 07-15-02
CHECKED: DWD	DATE: 07-15-02
PROJECT # 02041.SUP0.01R	
TASK # 2	FIELD BOOK XXX

WHITEGATE VILLAS CONSTRUCTION DETAILS
SHEET 19 OF 22

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