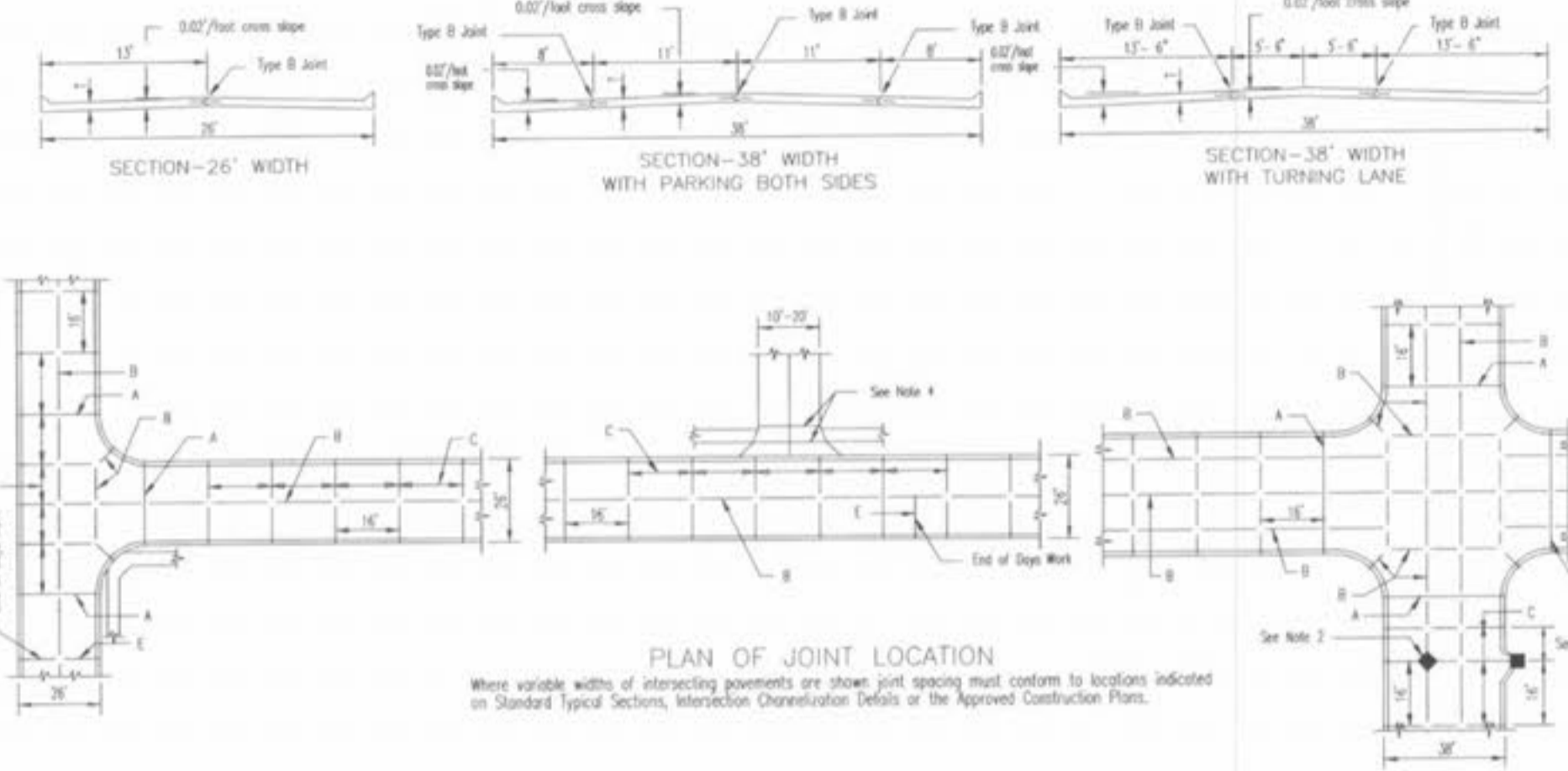


- NOTES:
1. A 1" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON THE OUTER EDGE OF CURVED PAVEMENT, UNLESS GROOVED JOINTS ARE USED AT SIDEWALK. THEN A 2" JOINT IS REQUIRED AT CURB.
 2. A 1/2" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON TANGENT SECTIONS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

SANIT CHARLES COUNTY
HIGHWAY DEPARTMENT
ST. CHARLES, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
Integral Curb Built "Y" of Slope

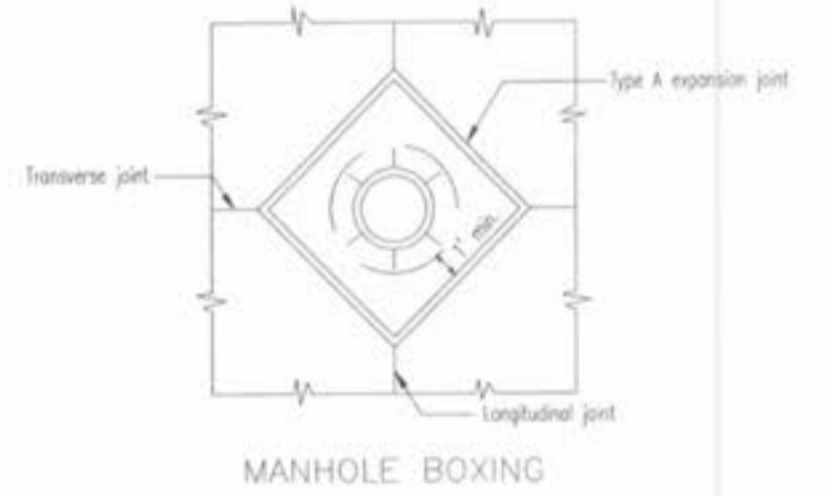
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS



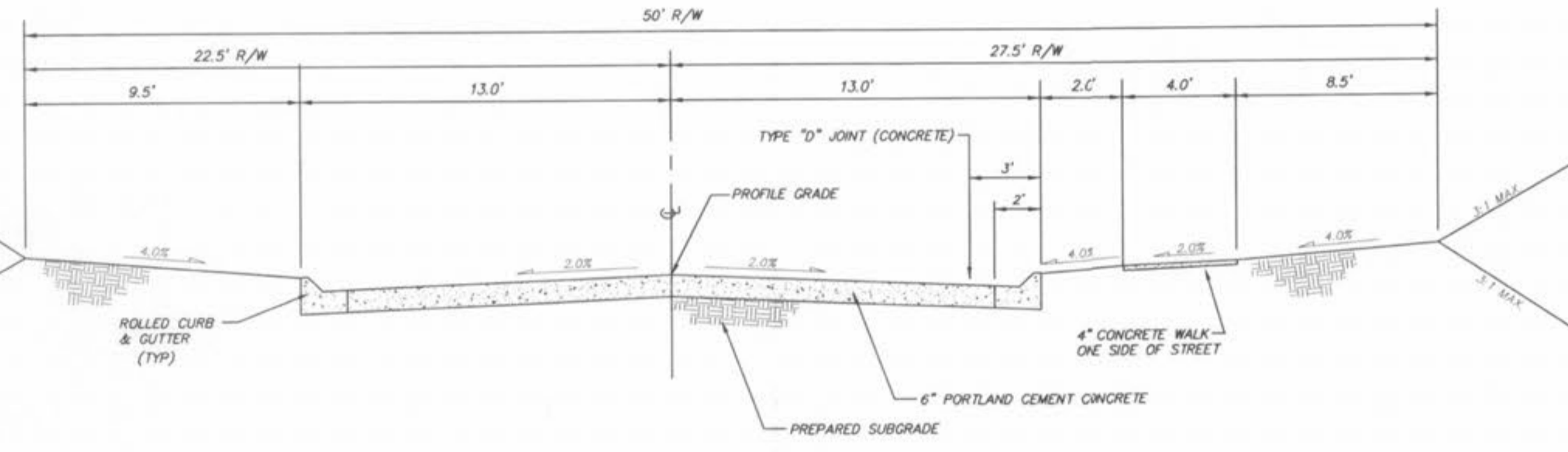
- GENERAL NOTES
1. Do not scale drawing. Follow dimensions.
 2. All street inlets shall be separated from the pavement and curb by expansion joint material extending completely through curb and slab. Manhole casing within the pavement limits shall be boxed as shown.
 3. When a joint falls within 5ft. 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 25' wide Streets 6"
Residential 38' wide Streets 7"
 7. For joint and bar requirements refer to the Pavement Construction Details for Joints and Curb. Std. Dwg. CS02.03. 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 altered for the different widths of construction if approved by the Department.

STREET	JOINT TYPE	JOINT AND BAR REQUIREMENTS	
		TRANSVERSE	LONGITUDINAL
RESIDENTIAL 3 LANE 38' wide pavement	Transverse	TYPE C no steel bars	TYPE B
	Longitudinal	Within a poured section and at the edge between two poured sections: TYPE B	5/8" ϕ deformed tie bars 30" \times 30" cts.
RESIDENTIAL 2 LANE 25' wide pavement	Transverse	TYPE A no steel bars	TYPE C no steel bars
	Longitudinal	Full Width Construction: TYPE B	Full Width Construction: TYPE B modified with 1/2" ϕ deformed tie bars 30" \times 30" cts.
6" thick concrete	Expansion	TYPE A no steel bars	TYPE A no steel bars
	Expansion	TYPE C no steel bars	TYPE C no steel bars

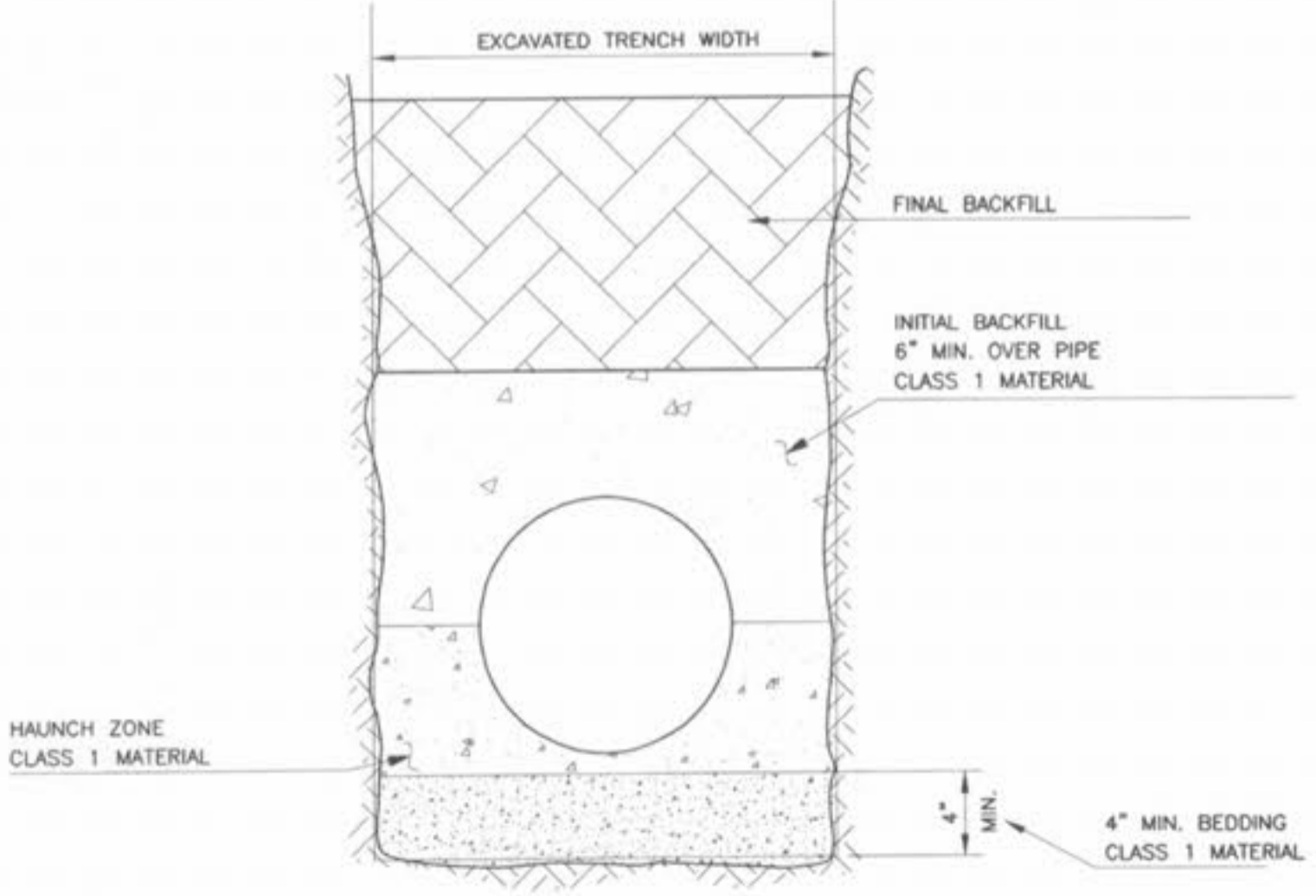
NOTE: Joint filler material shall meet ASTM designations as follows:
Blumbrun type ASTM D-994-53
Non extruding & resilient bituminous type (fiber) ASTM D-1751-60F
Non extruding & resilient non bituminous type (rubber) ASTM D-5249



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PAVEMENT CONSTRUCTION DETAILS
INTEGRAL ROLLED CURB AND CONCRETE PAVEMENT TYPICAL SECTIONS AND DETAILS
DWG. November, 2002 DRAWING CS02.02

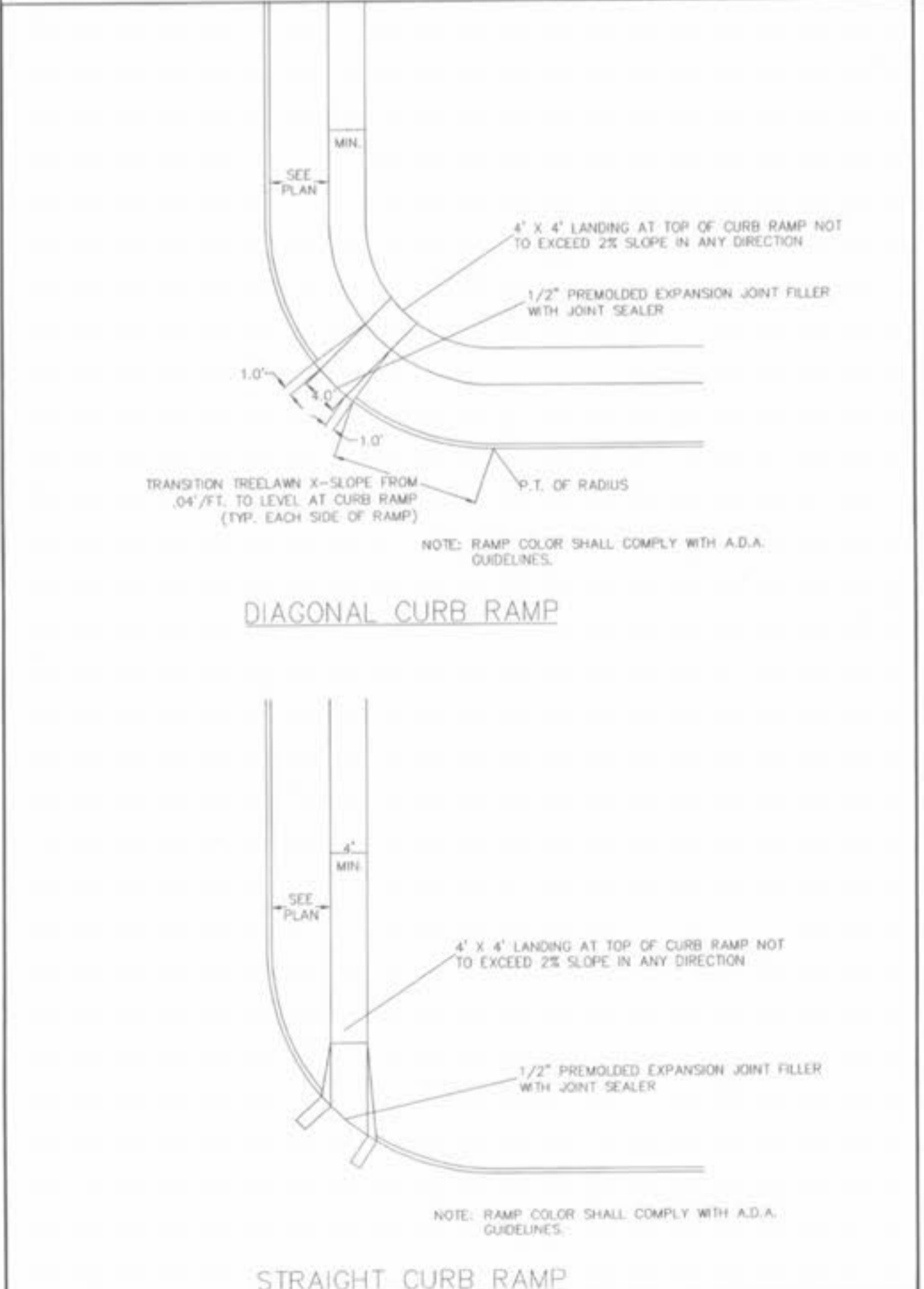


TYPICAL PAVEMENT SECTION NOT TO SCALE



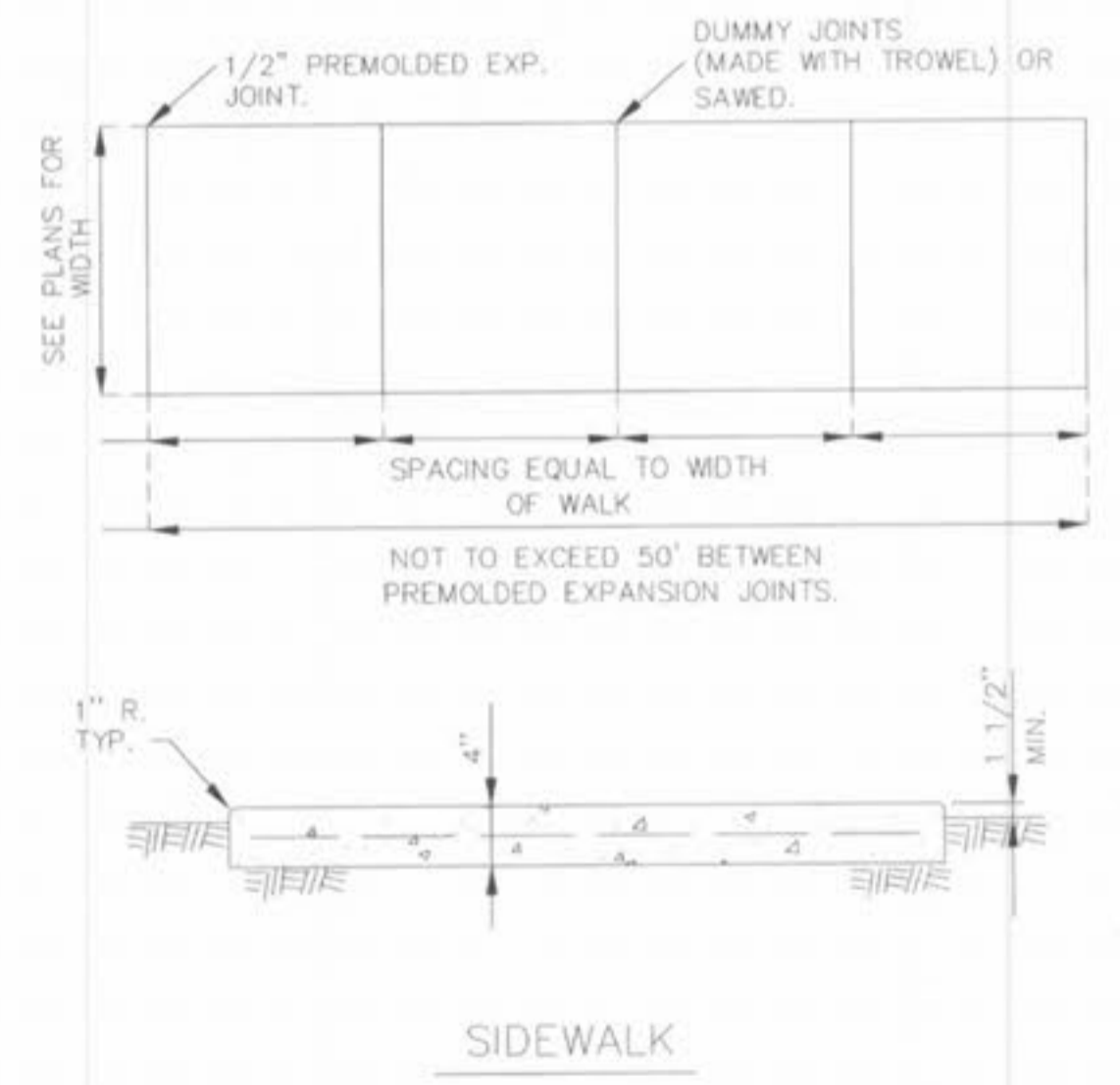
H.D.P.E. PIPE BEDDING DETAIL

1. The use of High Density Polyethylene Corrugated pipe A.D.S. N12 or equal will be permitted as an acceptable alternative to reinforced concrete pipe. Pipe shall meet A.S.T.M. D-2321 and AASHTO M-294-92. Concrete flared end sections and inlet structures shall be required. Pipe must have smooth interior wall and is not to be used inside the Public Right-of-Way.
2. In typical conditions the minimum trench width is determined by the size of the pipe and the ability to get compaction equipment between the pipe and the trench walls. The minimum trench width should not be less than the outside diameter plus 16 inches or the pipe outside diameter times 1.25 plus 12 inches, whichever is greater. High speed trenchers may enable satisfactory installation of pipe in narrower trenches. Poor in situ soil conditions such as peat, mud, running sands or expansive clays will require substantially wider backfill as well as deeper foundation and bedding. Trench width and foundation depth should be based on a thorough site investigation.
3. Backfill in the area up to the springline should be carefully placed and compacted to achieve a minimum E value of 1,000 psi as detailed in ASTM D2121. A minimum of 12" of backfill should be placed and compacted above the crown of the pipe.
4. Flexible pipe should never be installed in a concrete cradle, as done for rigid pipe in a Class A installation. This type of installation could create concentrated forces at the ends of the cradle when the pipe has deformed.
5. When H.D.P.E. pipe is used, pipe must meet ADS pro-link ultra joint specifications or equal, per ASHTO M294.



DIAGONAL CURB RAMP

STRAIGHT CURB RAMP



CONCRETE SIDEWALK

VILLAS AT CRYSTAL RIDGE
CONSTRUCTION DETAILS
Prepared For:
SUMMIT POINTE L.C.

REVISIONS	NO.	DATE	REVISIONS PER CITY OF OF FALLOON
	1	8-24-03	REVISED PER CITY OF OF FALLOON
	2	8/11/03	REVISED PER CITY OF OF FALLOON

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.



DRAWN	E.J.S.	DATE	04/09/03
CHECKED	D.W.D.	DATE	04/09/03
PROJECT #	01212.SUPO.02R	TASK #	2
FIELD BOOK			

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