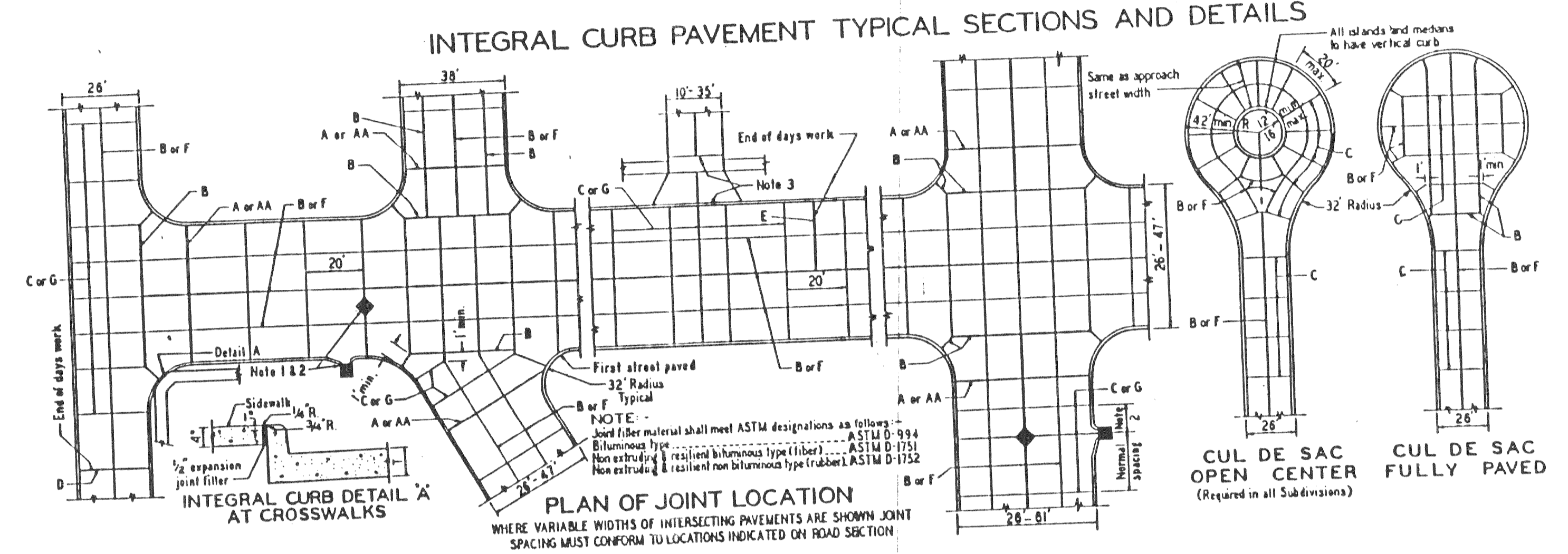


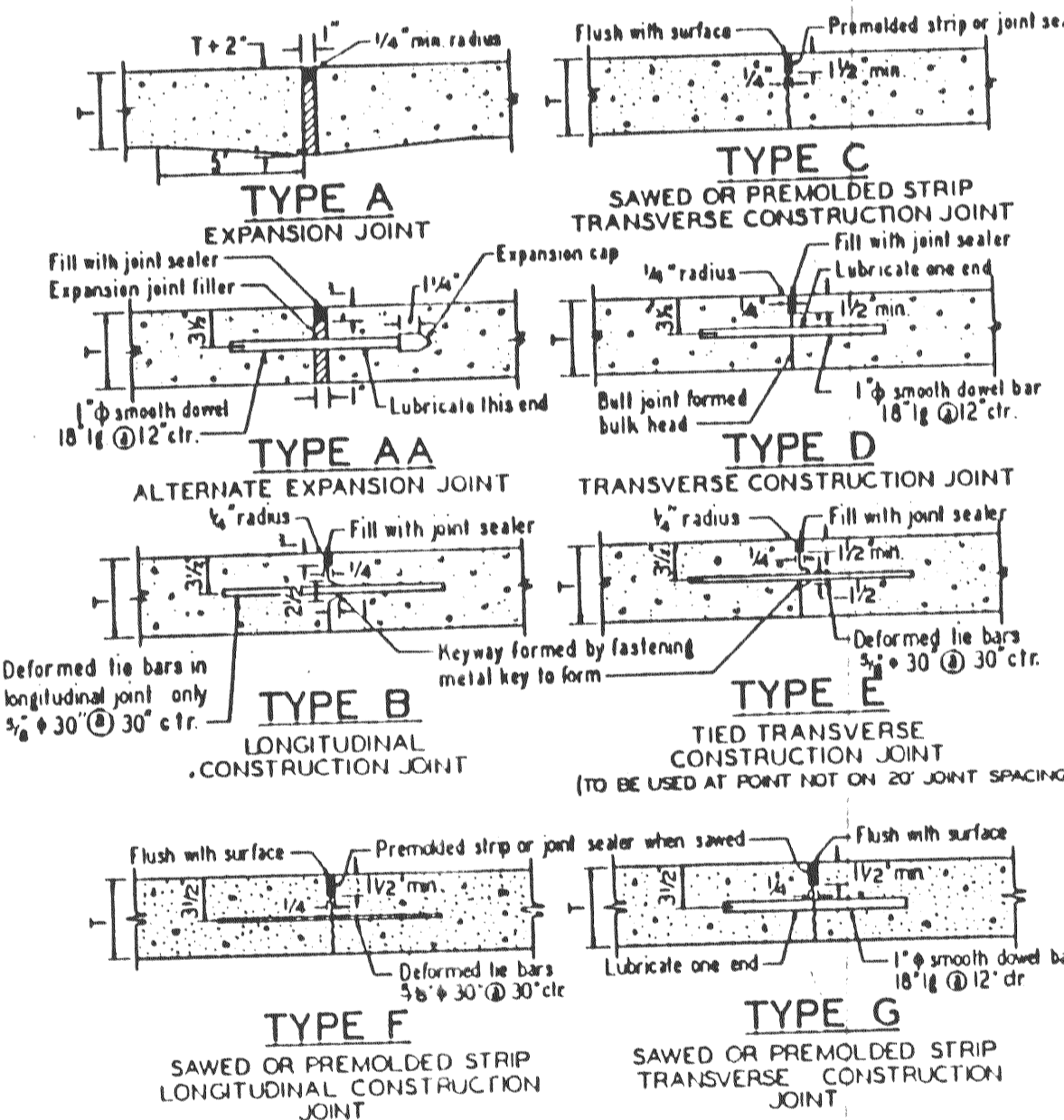
INTEGRAL VERTICAL CURB

INTEGRAL ROLLED CURB

INTEGRAL CURB PAVEMENT TYPICAL SECTIONS AND DETAILS



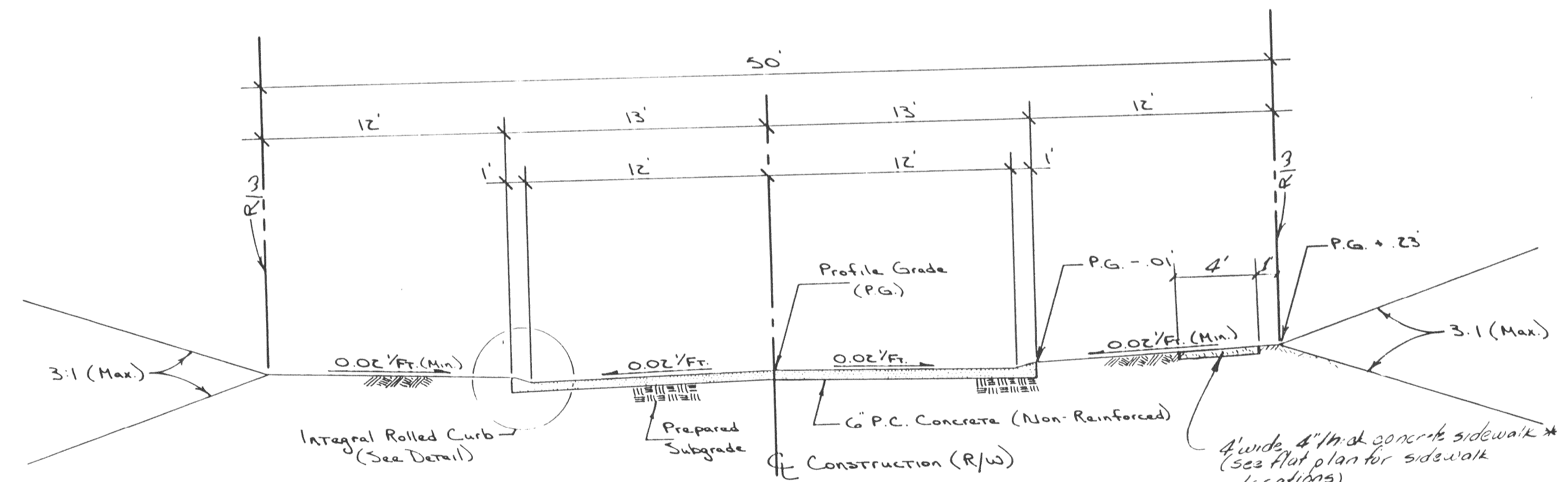
PLAN OF JOINT LOCATION
WHERE VARIABLE WIDTHS OF INTERSECTING PAVEMENTS ARE SHOWN JOINT SPACING MUST CONFORM TO LOCATIONS INDICATED ON ROAD SECTION



- GENERAL NOTES
- All catch basins shall be separate from the pavement and curb by expansion joint material extending completely through curb and slab. Manhole castings within the pavement limits shall be boxed as shown in the "Minor Construction Details".
 - When a joint falls within 5 ft. of or contacts basin, manhole, or other structure, shorten one or more panels either side of opening to permit joint to fall on road structures and at or between corners of rectangular structures.
 - Driveway configurations are shown in the "Entrance Construction Details".
 - Construction joint and dove bar may be omitted when curb is poured integral with pavement.
 - Minimum thickness for pavement is:

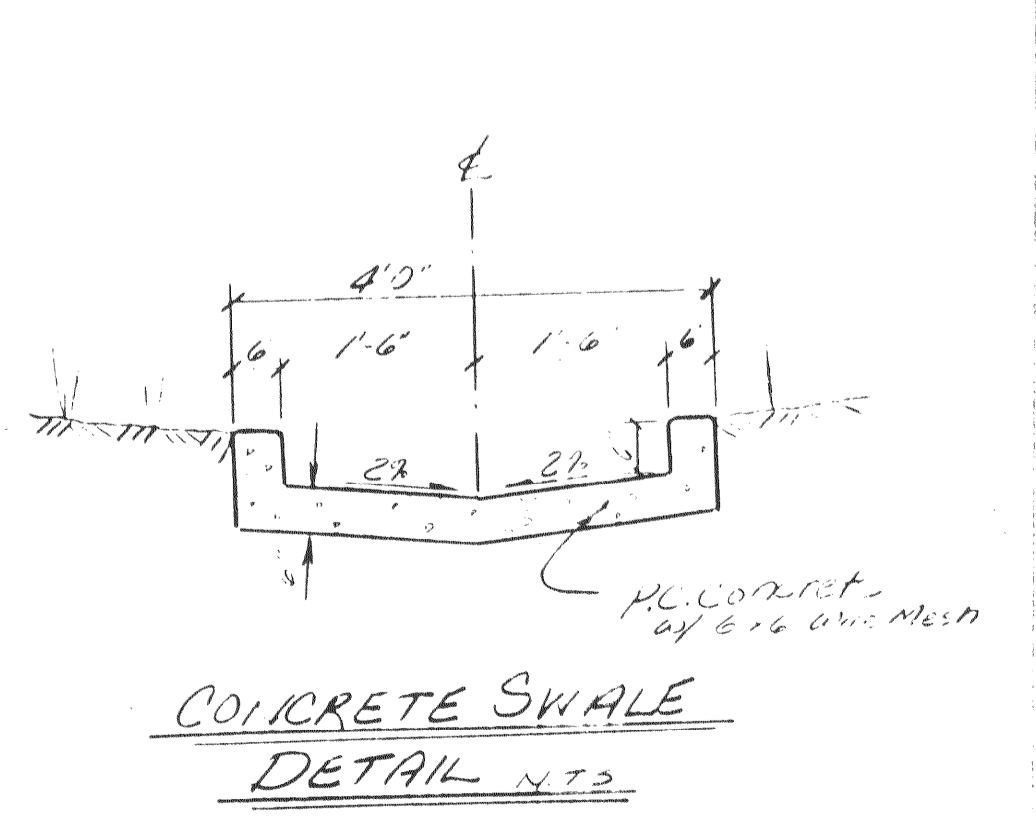
CONCRETE (1)	CONCRETE (2)
Local or Minor Streets	6"
Major or Industrial Streets	7"
Arterial or Industrial Streets	8"

 Base material under pavement will be made with 4 inches of Rolled Stone Base.
 - For most rural or urban and minor subdivision pavements (6" thick concrete), 1/2" diameter deformed tie bars 30" lg. @ 30" ctr. shall be used for Type B longitudinal joints. Refer to Exhibit 134 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.
 - Transverse or longitudinal construction joints in alley forced pavement may be made with groover or tool, if such device has been approved in advance by the St. Louis County Department of Highway & Traffic.
 - The locations of the Type B and Type F longitudinal construction joints in above sections may be interchanged for the different widths of construction if approval is obtained.

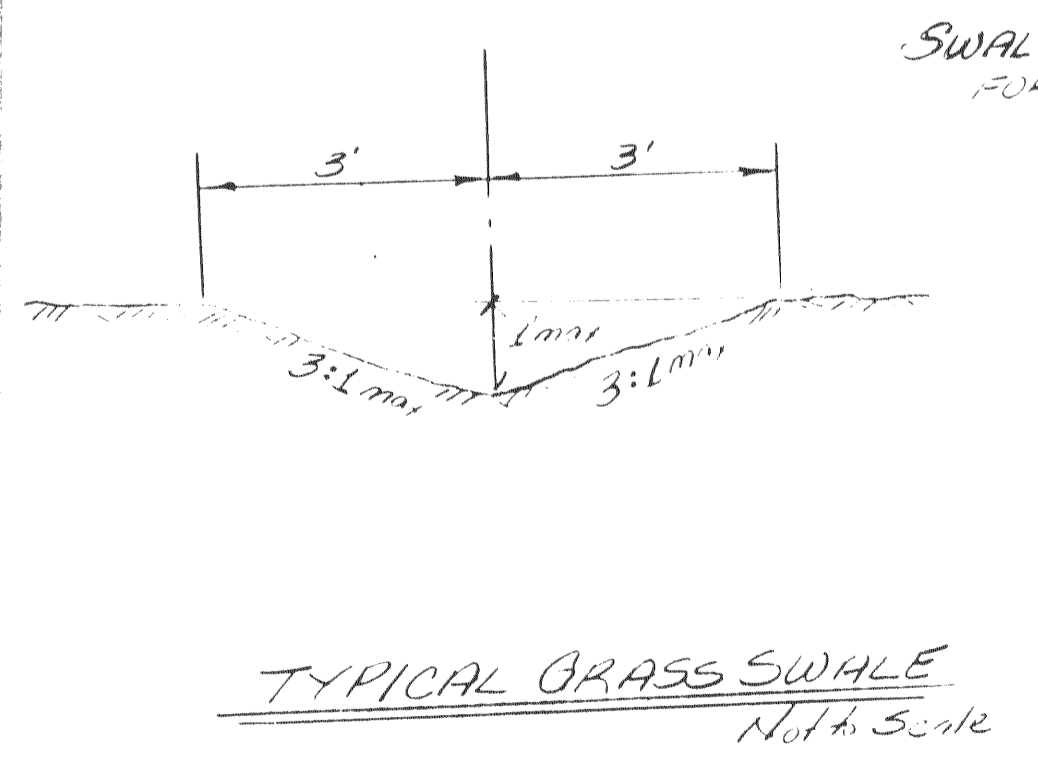


TYPICAL SECTION
(26' W. P.C. CONC. PVMT.)

* Provide Tied Central Joints @ 4' O.C.
* Provide Pre-molded Expansion Joints @ 24' O.C.



CONCRETE SWALE
DETAIL N.T.S.



TYPICAL CROSS SWALE
Not to Scale

SWALE CALCULATION
FOR MAX Q = 3.0 cfs
n = 0.055
A = 115 ft²
V = 2.63 ft/s
D = 0.62
S = 0.011 ft/ft
Q = 3.03 cfs