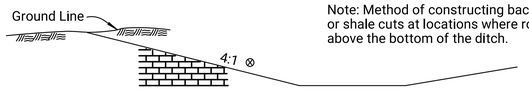
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS		0	0	

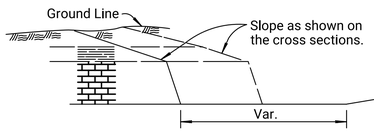
Guide to designer: Use this sheet when subgrading in rock or shale is not required. See Solls and Geology Reports for additional plan notes.

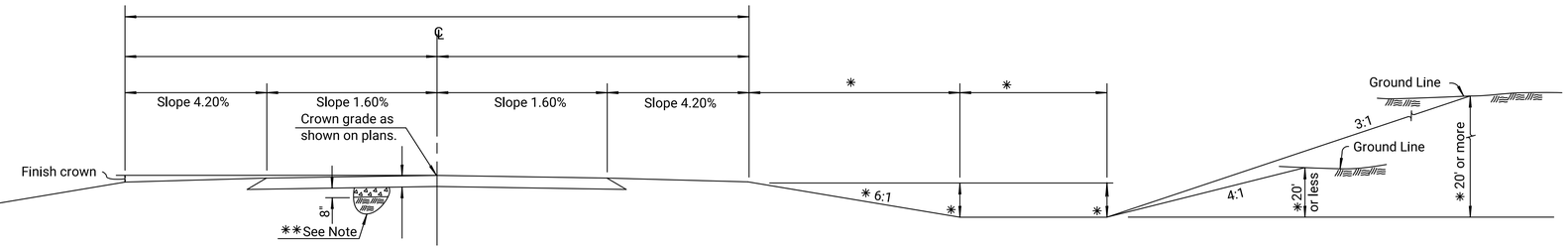


Note: Method of constructing backslope through shallow rock or shale cuts at locations where rock protrudes a short height above the bottom of the ditch.

CUT SECTION

⊗ Slope to be 3: 1 when depth of cut is 20' or more.





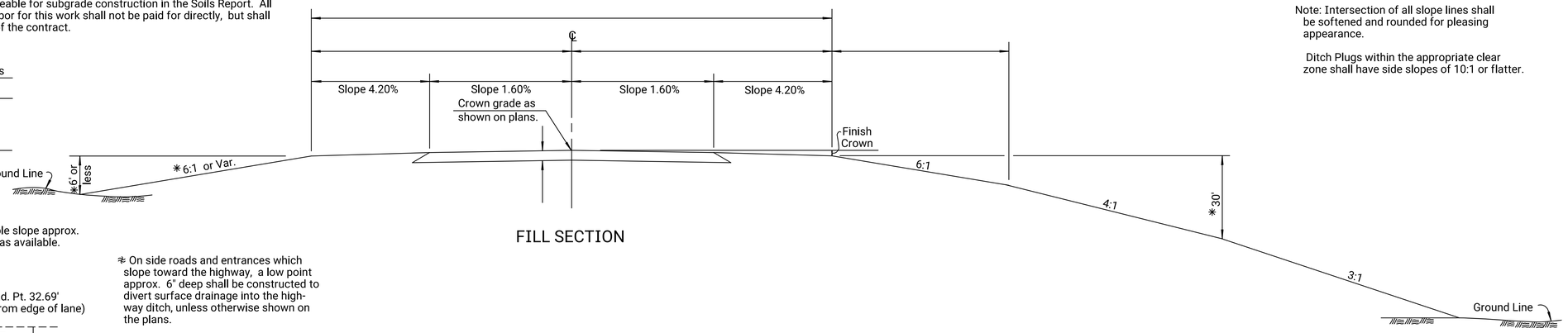
CUT SECTION

✳✳ Overbreakage in limestone or sandstone rock shall be brought to within 8" of the subgrade line with crushed stone, shot rock, and/or rock rubble, properly compacted, and then brought to the subgrade line with crushed stone meeting the requirements for "Crushed Stone for Backfill" in accordance with the Standard Specifications. Layers of earth or shale will not be permitted for backfill up to the bottom of the crushed stone. Overbreakage in shale or in rock where shale is exposed shall be backfilled with low permeability soils listed as useable for subgrade construction in the Soils Report. All materials, equipment, and labor for this work shall not be paid for directly, but shall be subsidiary to other items of the contract.

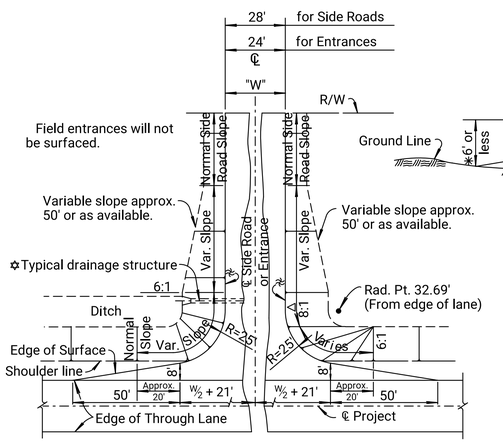
✳Dimensions and slopes for standard ditches and fills. See plan and cross-sections for variations.

Note: Intersection of all slope lines shall be softened and rounded for pleasing appearance.

Ditch Plugs within the appropriate clear zone shall have side slopes of 10:1 or flatter.



FILL SECTION



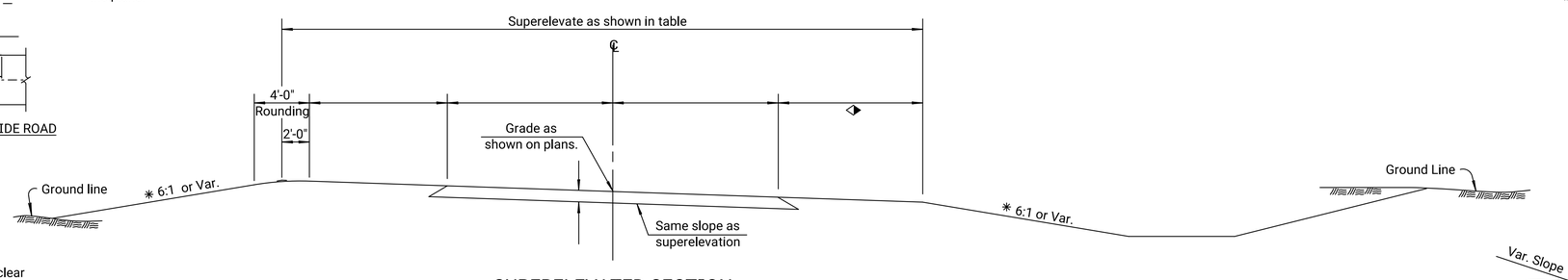
WITH DRAINAGE STRUCTURE MOUND ENTRANCE OR SIDE ROAD

FLARE OF SHOULDERS AT ENTRANCES AND SIDE ROADS

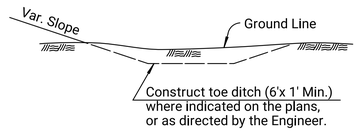
✡ On side roads and entrances which slope toward the highway, a low point approx. 6" deep shall be constructed to divert surface drainage into the high-way ditch, unless otherwise shown on the plans.

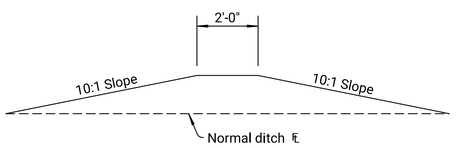
✡ Normal Slope (but not steeper than 6: 1) at approximate ℄ Structure or appropriate clear zone width.

△ 8: 1 Slope at the appropriate clear zone shall apply to all mound entrances and mound side roads to 10' fill height. Normal Slope (but not steeper than 6:1) over 10' fill height.

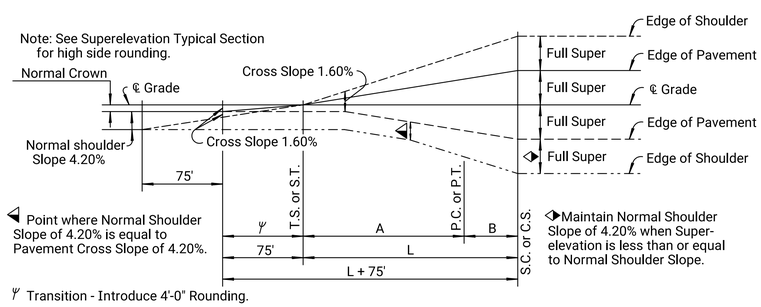


SUPERELEVATED SECTION





SKETCH OF DITCH PLUG



◁ Point where Normal Shoulder Slope of 4.20% is equal to Pavement Cross Slope of 4.20%.

◁▷ Maintain Normal Shoulder Slope of 4.20% when Super-elevation is less than or equal to Normal Shoulder Slope.

ψ Transition - Introduce 4'-0" Rounding.

PROFILE SHOWING METHOD OF ATTAINING

Sta. P.I. Curve	Radius	Design Speed	Super %	Transition - (Lin.Ft.)		
				L	A	B

NO.	DATE	REVISIONS	BY	APP'D.
21	01-25-13	Removed Slope, Pvmt. Edge	S.W.K.	J.O.B.
20	05-20-09	8:1/6:1 over 10' fill mound ent./sd.rd.	S.W.K.	J.O.B.
19	11-10-04	Changed slope labels to percent	S.W.K.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION GRADING & SURFACING

RD600

FHWA APPROVAL	05-21-13	APP'D.	James O. Brewer		
DESIGNED	DETAILED	QUANTITIES	TRACED	B.N.B.	
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK.	W.L.H.	

KDOT Graphics Certified 07-18-2022 Sh. No. 0

KDOT Graphics Certified

Plotted by : Kylee.Sims@ks.gov 22-JUL-2022 14:21
File : rd600.dgn