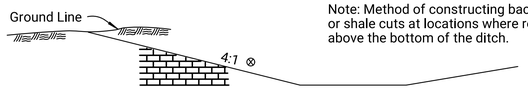
Guide to designer: Use this sheet when subgrading in rock or shale is required. See Soils and Geology Reports for additional plan notes.

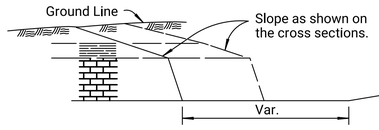
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS		0	0	

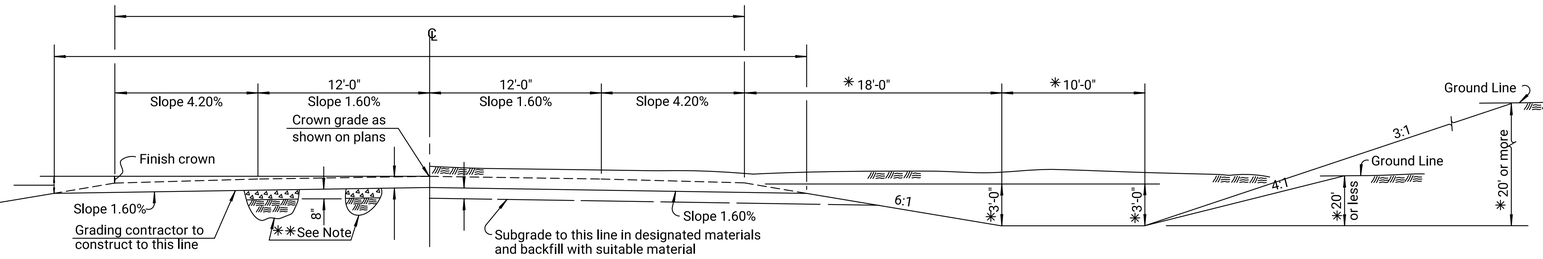


Note: Method of constructing backslope through shallow rock or shale cuts at locations where rock protrudes a short height above the bottom of the ditch.

CUT SECTION

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





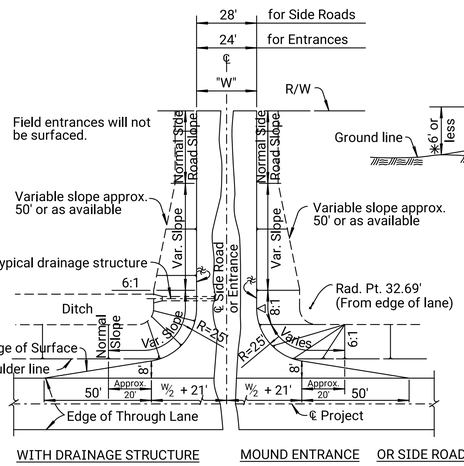
CUT SECTION

✳✳ Overbreakage in limestone or sandstone rock not designated to be subgraded 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.

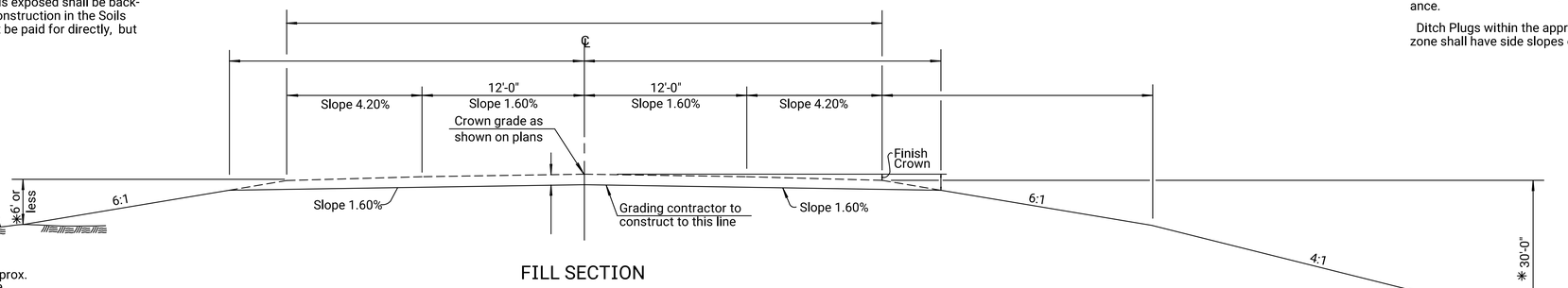
Ditch Plugs within the appropriate clear zone shall have side slopes of 10:1 or flatter.



FLARE OF SHOULDERS AT ENTRANCES AND SIDE ROADS

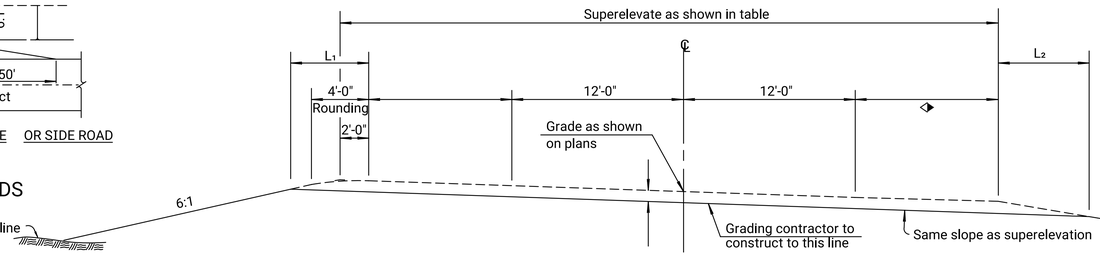
✡ 6: 1 Slope at approximate ℄ Structure or appropriate clear zone width.

△ 8: 1 Slope at the appropriate clear zone shall apply to all mound entrances and mound side roads to 10' fill height. 6: 1 Slope over 10' fill height.

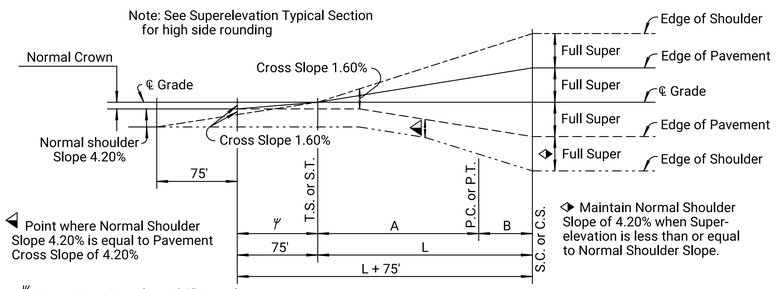


FILL SECTION

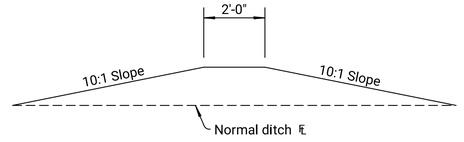
✳On side roads and entrances which slope toward the highway, a low point approx. 6" deep shall be constructed to divert surface drainage into the highway ditch, unless otherwise shown on plans.



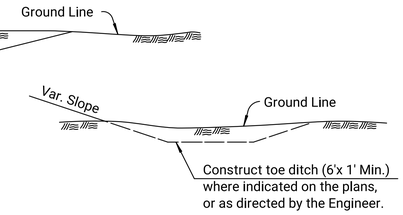
SUPERELEVATED SECTION



PROFILE SHOWING METHOD OF ATTAINING SUPERELEVATION



SKETCH OF DITCH PLUG



Sta. P.I. Curve	Radius	Design Speed	Super %	Transition - (Lin.Ft.) L	A	B	L1	L2

NO.	DATE	REVISIONS	BY	APP'D
26	11-10-04	Changed slope labels to percent	S.W.K.	J.O.B.
25	05-10-00	Rev. Ditch Plug Slope 10:1	R.J.S.	J.O.B.
24	02-13-98	Rev. sd.rd.& ent. det. & fill foreslope	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

GRADING TYPICAL SECTIONS

RD602

FHWA APPROVAL	06-10-05	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 04-22-2022 Sh. No. 0

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Plotted by : KDOT#CADD.Support_ks.gov 11-JUN-2022 00:31
File : rd602.dgn