

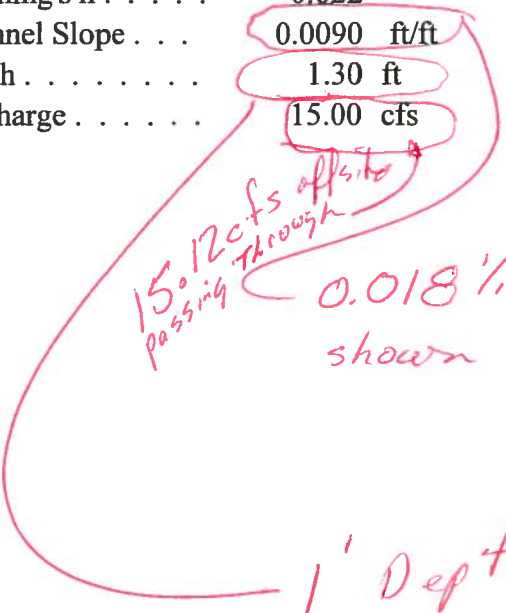
File: G23/0012
4500 Canyon Court NE
11/14/13 PE
Stamp.

Triangular Ditch

COMMENT: DRAINAGE SWALE CALCULATION

SOLVE FOR Depth

Lt Side Slope	2.00 :1 (H:V)	Velocity	4.46 fps
Rt Side Slope	2.00 :1 (H:V)	Flow Area	3.37 sf
Manning's n	0.022	Flow Top Width	5.19 ft
Channel Slope	0.0090 ft/ft	Wetted Perimeter	5.80 ft
Depth	1.30 ft	Critical Depth	1.28 ft
Discharge	15.00 cfs	Critical Slope	0.0095 ft/ft
		Froude Number	0.98



15.12 cfs passing through
0.018% min slope shown on plan

1' Depth shown on plan

Shown,
Please recalculate with
correct channel slope to
confirm that it will
contain the 15.12 cfs.

Email revised ditch calcs
& I can approve G&D.

Thanks, Greg Olson
12/6/13

