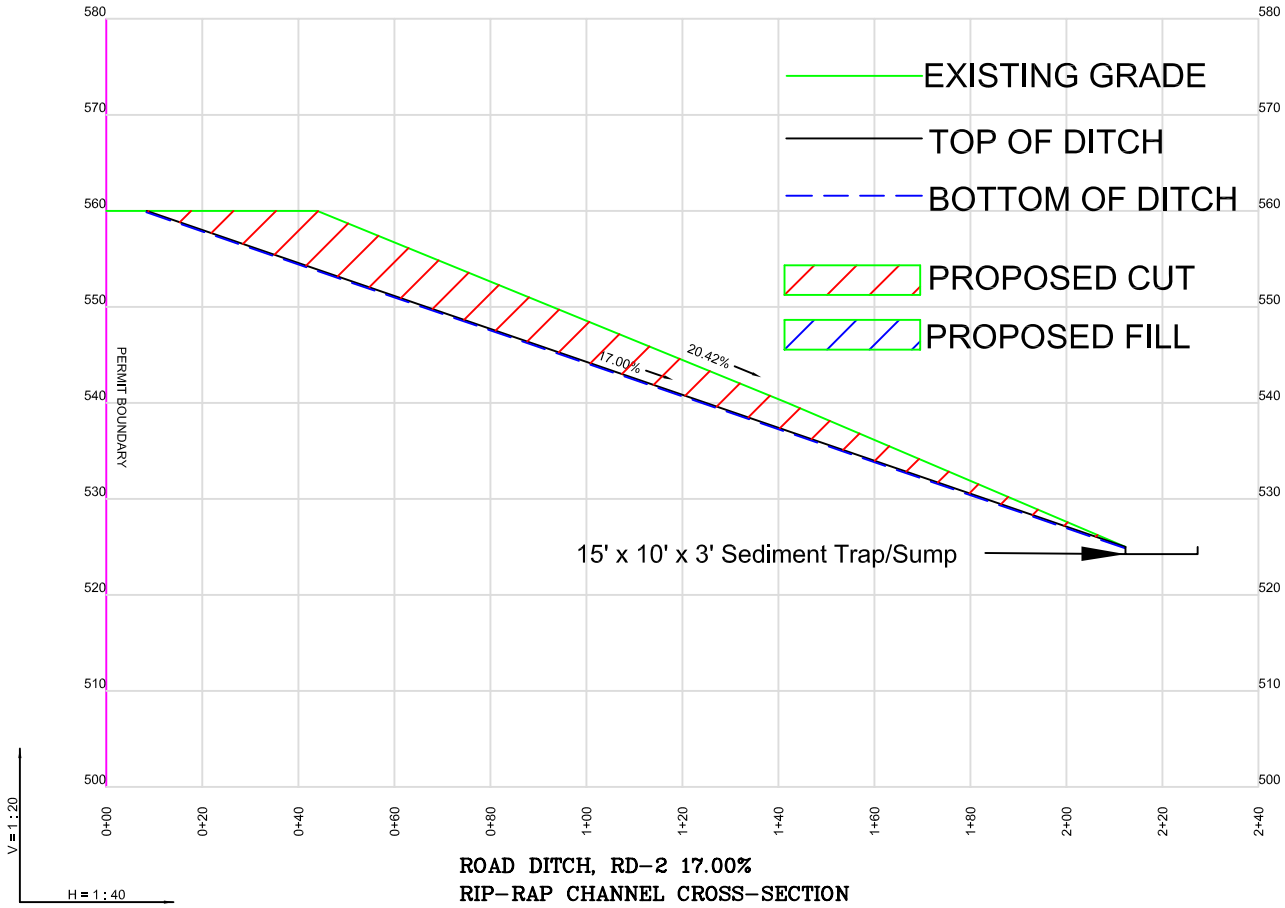
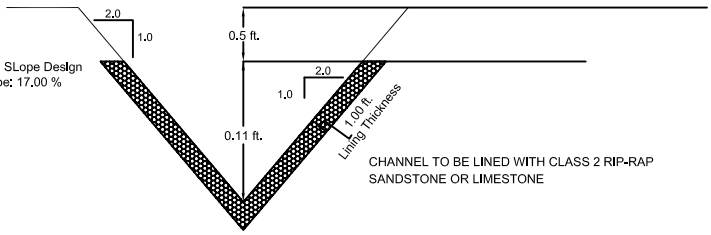


ROAD DITCH, RD-2 17.00%
RIP-RAP CHANNEL CROSS-SECTION

SIMONS/OSM METHOD - Steep SLope Design
Design Discharge: 0.33 cfs, Slope: 17.00 %
Depth: 0.11 ft.
Depth w/ Freeboard: 0.61 ft.
Top Width: 0.45 ft.
Top Width w/Freeboard: 2.45 ft.
VELOCITY: **
X-SECTION AREA: 0.03 sq. ft.
HYDRAULIC RADIUS: 0.05
FROUDE NUMBER: **
MANNING'S N: **
Dmin: 3.00 in.
D50: 9.00 in.
Dmax: 11.25 in.



CHANNEL TO BE LINED WITH CLASS 2 RIP-RAP
SANDSTONE OR LIMESTONE

Velocity and Manning's n calculations may not apply for this method.

Birmingham Coal & Coke, Inc
Gooden Creek Mine, P-3878, R-8

DRAWN BY: J.R.W.	DATE: 04/02/12	RD-2 PROFILE AND CROSS SECTION
APPROVED BY: J.D.M.	DATE: 04/02/12	
SCALE: H: 1" = 40' V: 1" = 20'	SHEET: 1 OF 1	

DSM
DESIGN GROUP, LLC
ENGINEERING / SURVEYING
1400 VIKING DRIVE
JASPER, ALABAMA 35501
TELEPHONE: (205) 221-6262