



June 8, 2026

Mr. Stephen D. Miles, P.E.
Alabama Surface Mining Commission
P.O. Box 2390
Jasper, AL 35502-2390

RE: Highland Energy, Inc.
No. 5 Mine, P-3957, R-8

Dear Mr. Miles:

I hereby certify the enclosed modification plans for Excess Spoil Fill No. 2 for the above referenced mine are in accordance with the Regulations of the Alabama Surface Mining Commission as adopted by Act 81-435 of December 18, 1981 and as amended to date and that the information used in the enclosed design plans is true and correct to the best of my knowledge and belief.

If you have any questions or need additional information, please do not hesitate to contact our office.

Sincerely,

Simmons-Johnsey Engineering, LLC

Jared P. Johnsey, P.E.
Alabama Reg No. 33239

Introduction:

Excess Spoil Fill No. 2 is being modified to show the current final configuration and to address not constructing Diversion A, Diversion B, and the Downdrain. The original approved design plans show a top elevation of 435.0' msl and all exterior slopes a maximum of 2.5H:1.0V. The spoil fill has been completed and was constructed to a top elevation of 400.0'. In addition, the exterior slopes except for one (1) small section were constructed much flatter than the maximum 2.5H:1.0V. Also, a ramp/haul road was constructed on the spoil fill to provide access to the drill ground and final highwall. Due to the flatter slopes and the ramp/haul road intercepting drainage from the top, it was determined during a field inspection by Simmons-Johnsey Engineering LLC and ASMC personnel on March 30, 2026 that Diversion A, Diversion B, and the Downdrain were not needed. Diversion C and Diversion D were constructed as designed in the approved plans. See the Excess Spoil Fill No. 2 Modification Planview Drawing to see the current configuration, slopes, and ramp/haul road location. As shown on the planview drawing, there is an existing 18" steel culvert (Culvert C-1) located where the ramp/haul road crosses Diversion C. See the Culvert C-1 Specifications Sheet and Culvert C-1 SedCad runs that show there is sufficient cover and freeboard to contain the anticipated flow.

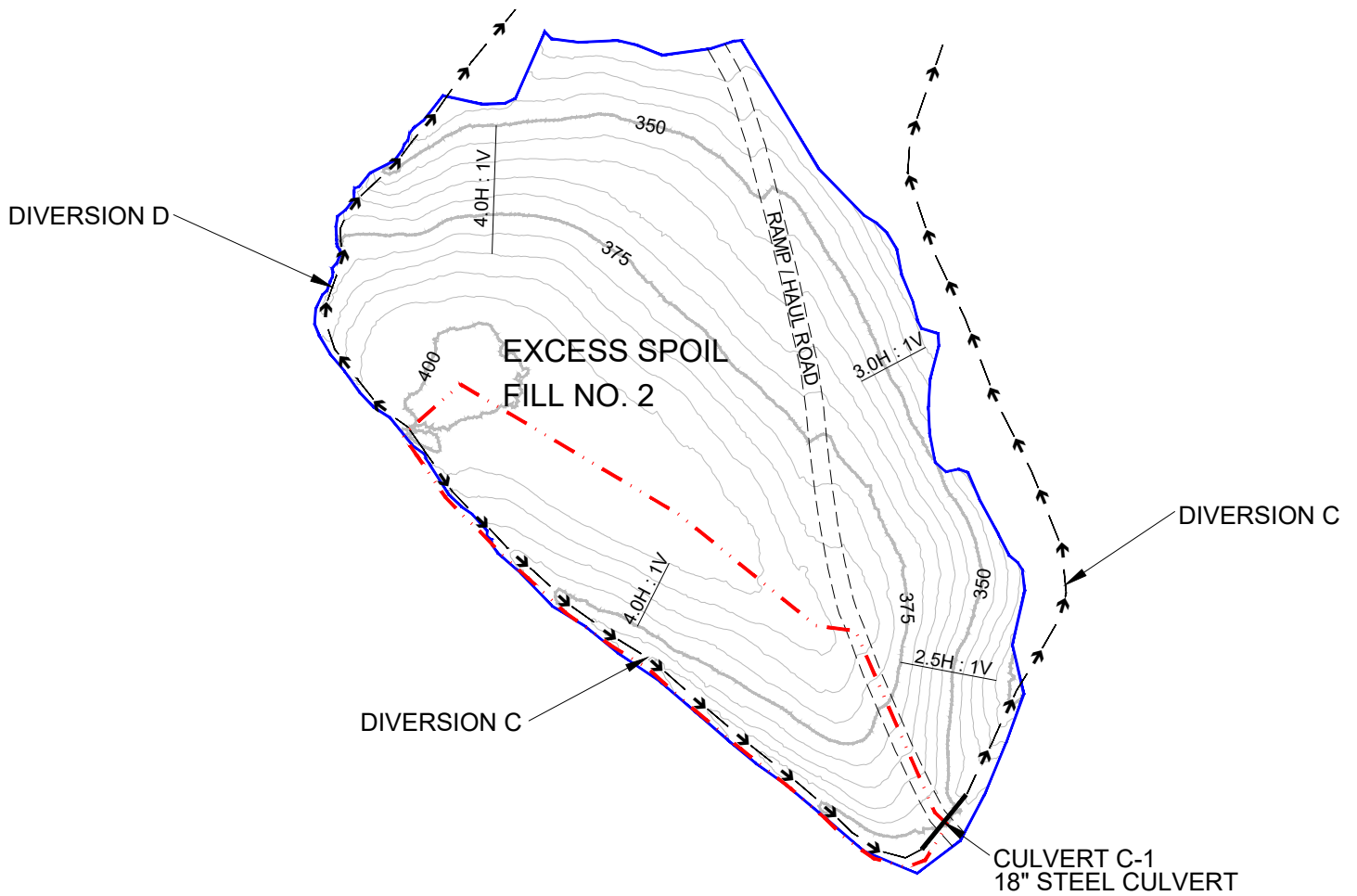
ATTACHMENTS

[Excess Spoil Fill No. 2 Modification Planview Drawing](#)

[Excess Spoil Fill No. 2 Modification Culvert C-1 Specifications](#)

[Culvert C-1 SedCad](#)

- EXISTING CONTOUR
- 350 — EXISTING INDEX CONTOUR
- EXCESS SPOIL FILL BOUNDARY
- - - - - CULVERT DRAINAGE DIVIDE
RE-VEGETATED 0-2 MO., CN 79



CONTOUR INTERVAL 5'

HIGHLAND ENERGY, INC.

NO. 5 MINE, P-3957, R-8

EXCESS SPOIL FILL NO. 2
MODIFICATION PLANVIEW MAP

DATE:
6/4/26

APPROVED BY:
J.P.J.

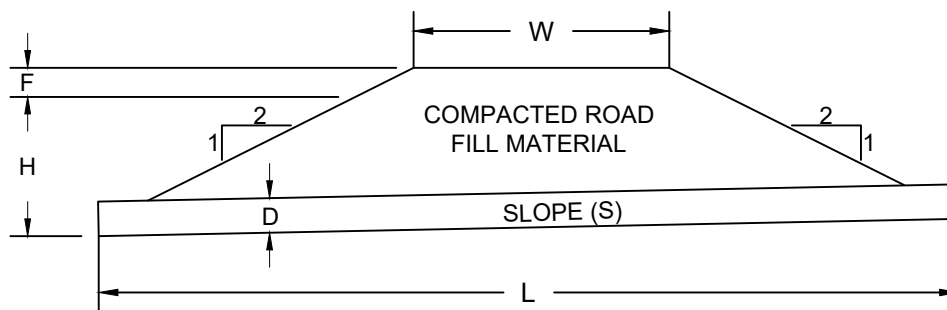
SCALE:
1"=200'

SHEET:
1 OF 1



407 9th Ave., Jasper AL, 35501
(205) 275-0689 (205) 522-2057

CULVERT SPECIFICATIONS



CULVERT ID.	C-1
DRAINAGE AREA (AC.)	2.5
PEAK FLOW (C.F.S.)	8.41
MAXIMUM HEADWATER (H) FT.	2.0
MINIMUM FREEBOARD (F) FT.	0.5
MINIMUM EMBANKMENT HEIGHT (H+F) FT.	2.5
EXISTING EMBANKMENT HEIGHT FT.	4.0
PIPE DIAMETER (D) IN.	18
PIPE LENGTH (L) FT.	80
PIPE SLOPE (S) PERCENT.	3.75
PIPE MATERIAL	STEEL

HIGHLAND ENERGY, INC.

NO. 5 MINE, P-3957, R-8

EXCESS SPOIL FILL NO. 2
CULVERT C-1 SPECIFICATIONS

DATE:
6/8/26

APPROVED BY:
J.P.J.

SCALE:
NA

SHEET:
1 OF 1



407 9th Ave., Jasper AL, 35501
(205) 275-0689 (205) 522-2057

Highland Energy, Inc.
No. 5 Mine, P-3957, R-8
Excess Spoil Fill No. 2 Culvert

10 Year 6 Hour Storm Event

Jared P. Johnsey, P.E.

Simmons-Johnsey Engineering, LLC
407 9th Ave
Jasper, AL 35501

Phone: 205-522-2057
Email: jared@simmonsjohnsey.com

General Information

Storm Information:

Storm Type:	SCS-6
Design Storm:	10 yr - 6 hr
Rainfall Depth:	4.250 inches

Structure Networking:

Type	Stru #	(flows into)	Stru #	Musk. K (hrs)	Musk. X	Description
Culvert	#1	==>	End	0.000	0.000	18" Steel Culvert

#1 Culvert

Structure Summary:

	Immediate Contributing Area (ac)	Total Contributing Area (ac)	Peak Discharge (cfs)	Total Runoff Volume (ac-ft)
#1	2.500	2.500	8.41	0.45

Structure Detail:***Structure #1 (Culvert)******18" Steel Culvert***

Culvert Inputs:

Length (ft)	Slope (%)	Manning's n	Max. Headwater (ft)	Tailwater (ft)	Entrance Loss Coef. (Ke)
80.00	3.75	0.0160	4.00	0.00	0.50

Culvert Results:

Design Discharge = 8.41 cfs

Minimum pipe diameter: 1 - 15 inch pipe(s) required

Subwatershed Hydrology Detail:

Stru #	SWS #	SWS Area (ac)	Time of Conc (hrs)	Musk K (hrs)	Musk X	Curve Number	UHS	Peak Discharge (cfs)	Runoff Volume (ac-ft)
#1	1	2.500	0.050	0.000	0.000	79.000	F	8.41	0.450
	Σ	2.500						8.41	0.450

Excess Spoil Fill No. 2 Culvert C-1

Culvert Inputs:

Length (ft)	Slope (%)	Manning's n	Max. Headwater (ft)	Tailwater (ft)	Entrance Loss Coef. (Ke)
80.00	3.75	0.0160	4.00	0.00	0.50

Culvert Results:

Minimum pipe diameter: 1 - 15 inch pipe(s) required

Detailed Performance Curves

Design Discharge = 8.41 cfs

Maximum Headwater = 4.00 ft

(BOLD indicates design pipe size)

Headwater (ft)	Discharge (cfs) (12 in)	Discharge (cfs) (15 in)	Discharge (cfs) (18 in)
0.40	0.55	0.67	0.80
0.80	1.51	1.88	2.25
1.20	2.74	3.44	4.13
1.60	3.66	5.11	6.36
2.00	4.41	6.40	8.43
2.40	5.06	7.47	10.10
2.80	5.63	8.41	11.53
3.20	6.15	9.26	12.80
3.60	6.50	10.03	13.95
4.00	6.79	10.75	15.02
4.40	7.01	11.42	16.01
4.80	7.22	12.04	16.95
5.20	7.42	12.63	17.84
5.60	7.62	13.00	18.69
6.00	7.82	13.34	19.50