

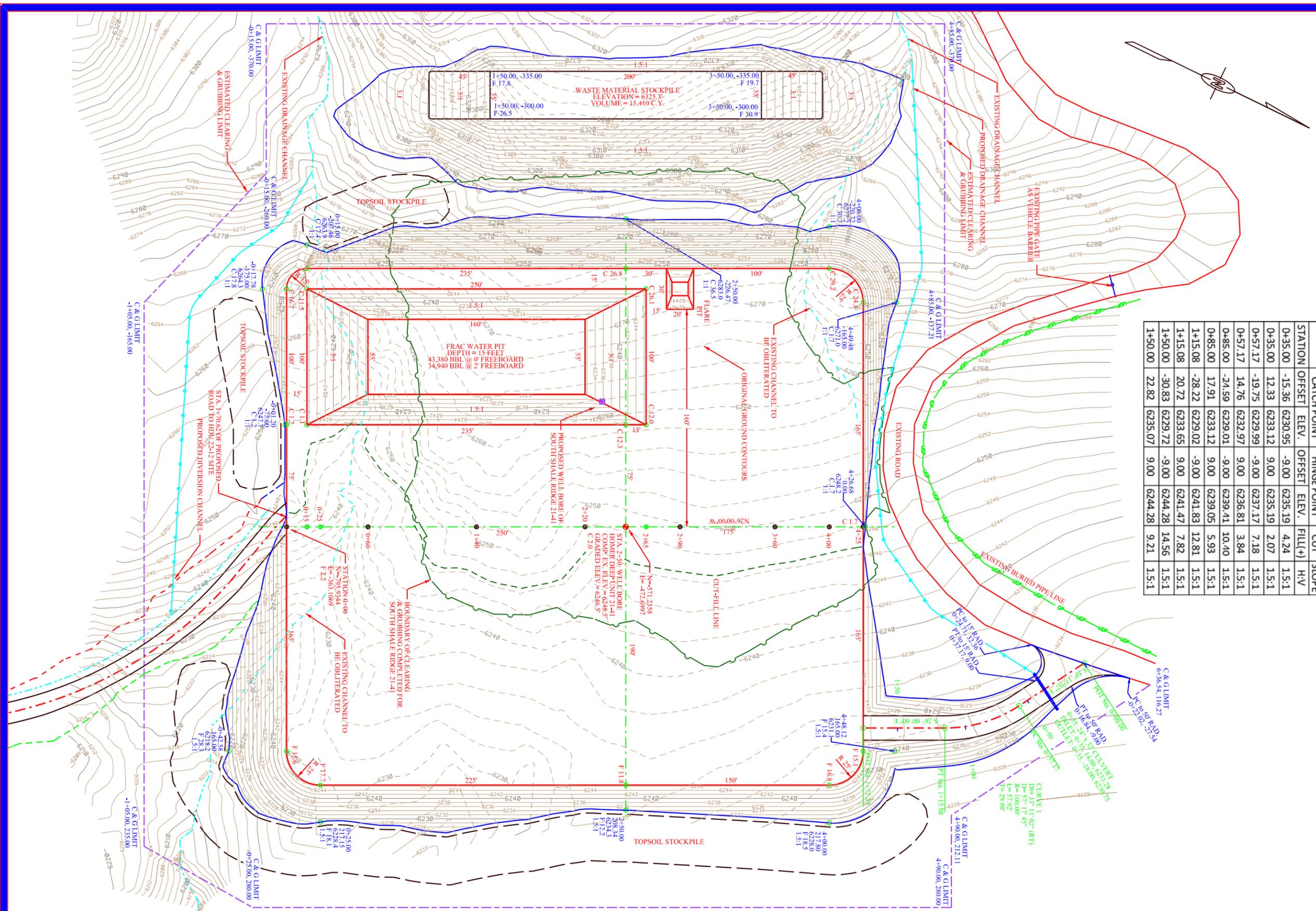
**ESTIMATED EARTHWORK QUANTITIES**

PAD TOPSOIL (6" DEPTH)	3,690 C.Y.
ROAD TOPSOIL (6" DEPTH)	120 C.Y.
PAD EXCAVATION	54,550 C.Y.
ROAD EXCAVATION	0 C.Y.
PAD EMBANKMENT (10% SHRINK ASSUMED)	35,500 C.Y.
ROAD EMBANKMENT (10% SHRINK ASSUMED)	1,640 C.Y.
WASTE MATERIAL	15,410 C.Y.
TOTAL EARTHWORK VOLUME	58,240 C.Y.

**NEW ROAD CUT-FILL TABLE**

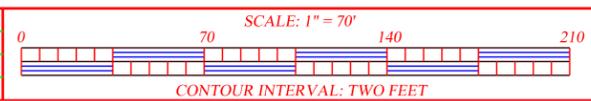
STATION	CATCH POINT OFFSET	ELEV.	HINGE POINT OFFSET	ELEV.	CUT	FILL(+)	SLOPE
0+35.00	-15.36	6230.95	-9.00	6235.19	4.24	1.5:1	
0+35.00	12.33	6233.12	9.00	6235.19	2.07	1.5:1	
0+57.17	-19.75	6229.99	-9.00	6237.17	7.18	1.5:1	
0+57.17	14.76	6232.97	9.00	6236.81	3.84	1.5:1	
0+85.00	-21.59	6229.01	-9.00	6239.41	10.40	1.5:1	
0+85.00	17.91	6233.12	9.00	6239.05	5.93	1.5:1	
1+15.08	-28.22	6229.02	-9.00	6241.83	12.81	1.5:1	
1+15.08	20.72	6233.65	9.00	6241.47	7.82	1.5:1	
1+50.00	-30.83	6229.72	-9.00	6244.28	14.56	1.5:1	
1+50.00	22.82	6235.07	9.00	6244.28	9.21	1.5:1	

- WELL SITE DESIGN AND CONSTRUCTION NOTES:**
- The well pad elevation was selected to place the rig sub-structure on cut earth at the maximum elevation possible.
  - The approximate volume of the frac water pit is 9,010 C.Y. Material for reserve pit reclamation will be obtained from the waste material stockpile. The pad size will be reduced during the site reclamation for production. See Exhibit IX: Site Reclamation Grading Plan.
  - The area of the proposed pad, waste material stockpile and road is 5.58 acres within the computed catch lines. This area does not include the area occupied by topsoil stockpiles nor the small additional area required for grading machine travel.
  - The area within the estimated clearing and grubbing limits is 8.58 acres. The limits are planned to lie approximately 15 feet outside the computed catch lines of cut and fill slopes.



PREPARED BY:  
**P.E. GROSCHE CONSTRUCTION, INC.**  
 SURVEYORS - ENGINEERS - CONSTRUCTORS  
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SUR:	AMG	10/19/20	PRJ. #:	96110
DES:	SAG	10/20/10	REC:	80-84
DWN:	SAG	10/21/10	FILE:	T7400/Gp/Data-v8/Client/Black Hills E&P/Colo/Mesa
REV:			DWG:	96110-HDU 21-41/Dgn/961_ex6-site



OWNER  
**BLACK HILLS PLATEAU  
 PRODUCTION COMPANY, LLC**  
 DENVER, COLORADO

PROJECT  
**HOMER DEEP UNIT 21-41  
 NE ¼ MESA, SECTION 21, T. 8 S., R. 98 W.  
 DENVER COUNTY, COLORADO**

DRAWING TITLE  
**EXHIBIT VI**  
 DRAWING DESCRIPTION  
**WELL SITE GRADING PLAN**