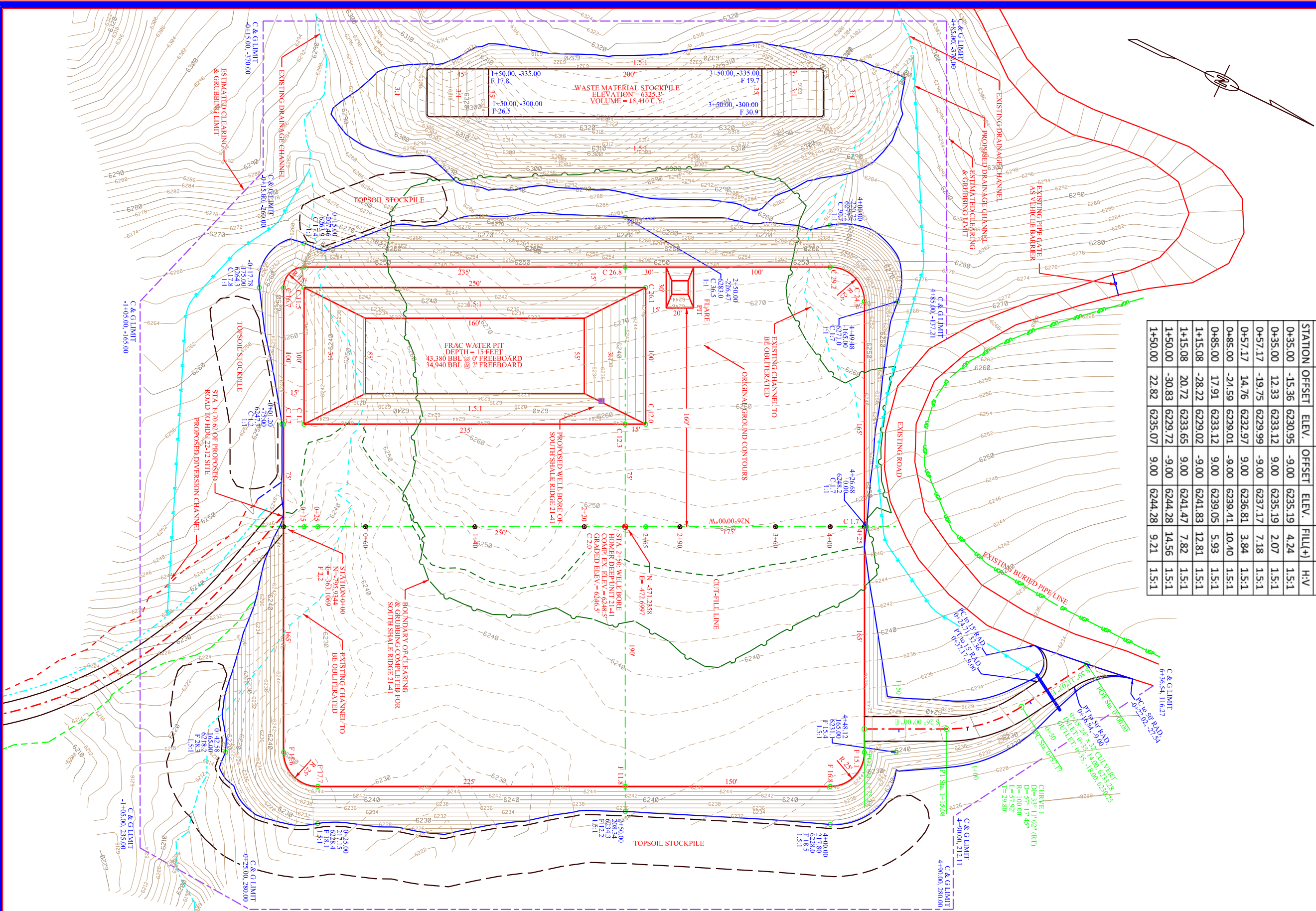


ESTIMATED EARTHWORK QUANTITIES	
PAD TOPSOIL (6" DEPTH) .....	3,690 C.Y.
ROAD TOPSOIL (6" DEPTH) .....	120 C.Y.
PAD EXCAVATION .....	54,550 C.Y.
ROAD EXCAVATION .....	0 C.Y.
PAD EMBANKMENT (10% SHRINK ASSUMED) .....	35,500 C.Y.
ROAD EMBANKMENT (10% SHRINK ASSUMED) .....	1,640 C.Y.
WASTE MATERIAL .....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

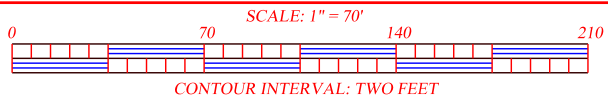
NEW ROAD CUT-FILL TABLE					
STATION	CATCH POINT OFFSET	ELEV.	HINGE POINT OFFSET	ELEV.	CUT FILL(+) H:V SLOPE
0+35.00	-15.36	6230.95	-9.00	6235.19	4.24 1.5:1
0+35.00	12.33	6233.12	9.00	6235.19	2.07 1.5:1
0+57.17	-19.75	6229.99	-9.00	6237.17	7.18 1.5:1
0+57.17	14.76	6232.97	9.00	6236.81	3.84 1.5:1
0+85.00	-24.59	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:
1. The well pad elevation was selected to place the rig sub-structure on cut earth at the maximum elevation possible.
  2. 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.
  3. 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.
  4. 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. GROSCH CONSTRUCTION, INC.**  
SURVEYORS - ENGINEERS - CONSTRUCTORS  
P. O. BOX 36    WORLAND, WY 82401    (307)347-3332

SUR:	AMG	10/19/20	PRJ. #:	96110
DES:	SAG	10/20/10	REC:	80-84
DWN:	SAG	10/21/10	FILE:	T7400/GpkData-v8/Client/Black Hills E&P/Colo/Mesa
REV:			DWG:	96i10-HDU 21-41/Dgn/96i_ex6-site



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

PROJECT  
**HOMER DEEP UNIT 21-41  
NE¼ NE¼, SECTION 21, T. 8 S., R. 98 W.  
MESA COUNTY, COLORADO**

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