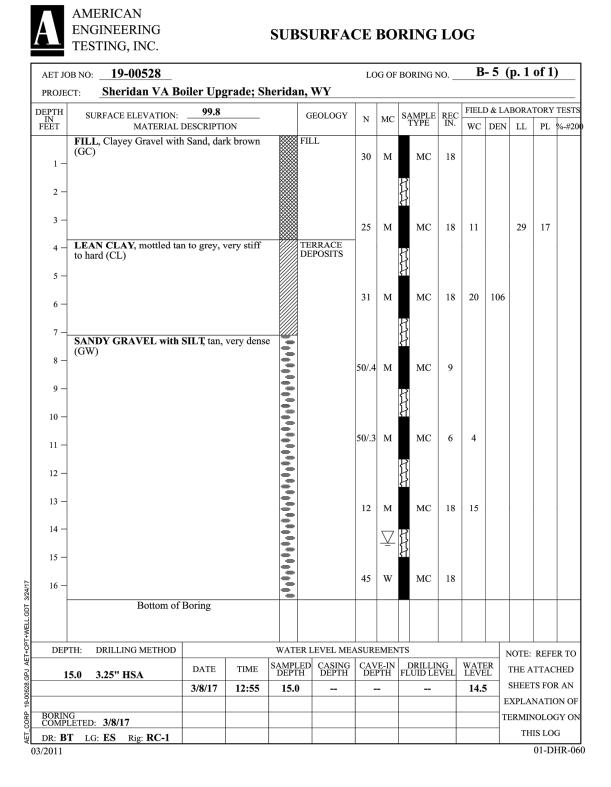
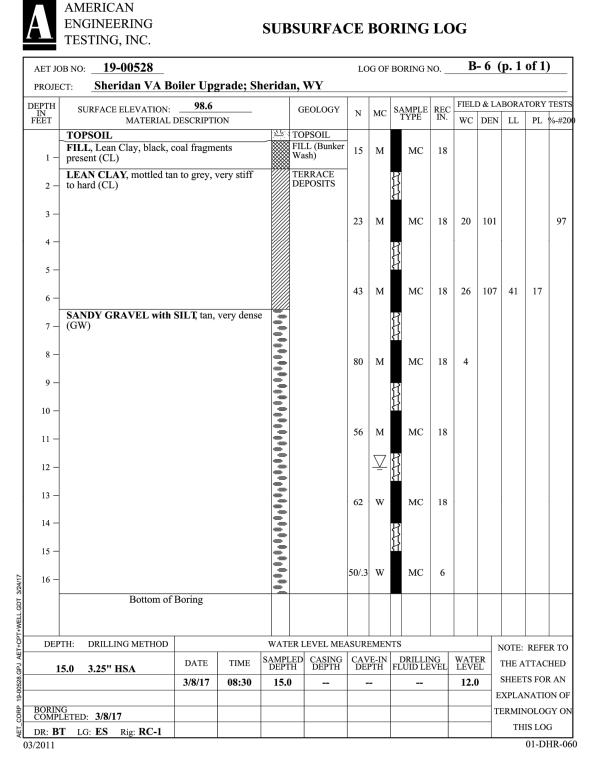


AET JOB NO:19-00528					LOG OF BORING NO						B-4 (p. 1 of 1)				
PROJE	CT: Sheridan VA B	oiler Upg	grade; Sh	erida	ın, WY										
DEPTH IN FEET	SURFACE ELEVATION:99.6 MATERIAL DESCRIPTION				GEOLOGY	N	MC	SAMPLE TYPE	REC IN.	_	D& LA	LABORATORY TES			
TEET	FILL, Clayey Gravel with			- XX	FILL					,,,,	DLI		12	10 //	
1 -	(GC)					31	M	MC	18						
2 —	LEAN CLAY, tan to grey	y, stiff to v	ery stiff		TERRACE DEPOSITS			}							
3 —	(CL)				DELOSITS	16	M	МС	18	17					
4 —								}							
5 —						13	M	MC MC	18	22					
6 —							-"*	o							
7 –								{ }							
8 – 9 –	SANDY GRAVEL with (GW)	very dense			51	М	MC	18	4						
10 -	(0.1)			000				<u>}</u>							
11 -				000		88/.9	M	МС	10	3					
12 –				000				<u> </u>							
13 -				0000		97/.9	$\frac{\sum}{\bar{\mathbf{w}}}$	MC	10						
14 —				000				}							
15 —				000				ł							
16 –				=		50/.4	W	МС	8						
	Bottom of	Boring													
	TH: DRILLING METHOD			WAT	ER LEVEL ME	ASUR	EMEN	TS	<u> </u>			NOTE:	REFE	R T	
DEP	15.0 3.25" HSA		TIME	SAMPI DEPT	LED CASING	CAVE-IN DEPTH		DRILLING FLUID LEVEL		WATI		ТНЕ АТТАСНЕС			
	5.0 3.25" HSA	DATE	TIME	DEPT	LED CASING TH DEPTH	DE	PIH	FLUID LE	EVEL	LEVE	ᄔᅵ	THE	LIAC	HEI	





GEOTECHNICAL SUMMARY

A geotechnical study was conducted to determine the in situ soils within the Project Site. The majority of subsurface soils encountered within the borings consisted of about 1 to 3 ½ feet of clayey gravels and lean clays with coal fragments fill overlying terrace deposits of stiff hard lean clays, dense well graded sand, and very dense sandy gravels. At the time of the field work, ground water was encountered in five of the 6 borings, at a depth of 12 to 14 ½ feet below the existing surface. See plan sheet B1.00 for boring location map and the geotechnical report.

Based on the recommendations outlined within the geotechnical report; the pavement sections for improvement, and surfacing recommendations, are listed below.

- 1. 14" gravel surfacing for the coal delivery vehicle turnaround area expansion.
- 2. 8" concrete and 7" aggregate base course pavement section for improvements at the emergency coal dump area.3. 8" concrete and 7" aggregate base course pavement section for the north and south
- approach entrances improvement.
- 4. 8" concrete and 7" aggregate base course pavement between the proposed coal delivery building/fines hopper and the coal storage bunker.

Due to the potential for pavement deterioration from turning movements, concrete is recommended for all pavement improvements within the Project Site.

All paving, base materials, and construction requirements for pavement sections will conform to the geotechnical recommendations, the City of Sheridan Specifications, and the VA Site Development Design Manual. Subgrade shall conform to the recommendations outlined in the geotechnical report.

Note: Refer to geotechnical report in specifications for more information.

CONSTRUCTION DOCUMENTS Drawing Title Project Title Project Number Office of CONSULTANTS: ARCHITECT/ENGINEERS: 666-16-117 BOILER UPGRADE BORING LOCATION MAP AND LOGS Construction Building Number PHASE 3 and Facilities rapid city sd 57701 Location SHERIDAN, WY Approved: Project Director Drawing Number p 605.342.9470 Management f 605.342.2377 B-100 Checked Drawn www.4front.biz Department of Veterans Affairs OURFRONT 02/5/2019 SM JM || Dwg. 3 of 35 DESIGN INC. Initials Date Revisions: VA FORM 08-6231, OCT 1978