Project No.: 03.14.859.054

Client: United States Army Corps of Engineers

Project: Beltway 8 PA Lab Testing
Contract No. DACW64-03-D-0008, Delivery Order No. 0054

Boring No.	Sample No.	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	Uc/UU. Compr. (tsf)	Cell Press. (psi)	Failure Strain (%)	Failure Type
		nodules											
	4	Gray and tan FAT CLAY; few calcareous and ferrous nodules	CH	28.7									
	5	Gray and tan FAT CLAY; sand seams, traces of ferrous and calcareous nodules	CH	26.3									
	6	Gray and tan FAT CLAY; traces of ferrous nodules	CH	28.6									
	7	Gray and tan FAT CLAY; traces of ferrous nodules	CH	29.8									
06-24													
	3	Gray and tan FAT CLAY with SAND; traces of ferrous nodules	CH	18.2		50	20	30	74.5				
	5	Gray and tan FAT CLAY; few calcareous nodules and traces of ferrous nodules	CH	17.9									
	7	Gray and tan FAT CLAY; traces of ferrous nodules	CH	26.9									
06-25													
	2	Gray and brown FAT CLAY; traces of ferrous nodules	CH	24.5		57	20	37					
	3	Gray and tan LEAN CLAY	CL	18.3									
	4	Gray and tan LEAN CLAY; few calcareous nodules and traces of ferrous nodules	CL	14.1		46	19	27					
	5	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	21.4									
	6	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	23.2									
	13	Gray and tan FAT CLAY; few ferrous and calcareous nodules	CH	27.8		76	27	49	90.8				
06-26													
	2	Gray and tan FAT CLAY; traces of ferrous nodules	CH	18.5									
	3	Gray and tan FAT CLAY; traces of ferrous nodules	CH	19.3		53	19	34					
	5	Gray and tan FAT CLAY; few calcareous nodules and traces of ferrous nodules	CH	18.5									
	7	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	28.0									
06-27													
	2	Gray and brown FAT CLAY; sand seams and traces of ferrous nodules	CH	23.9		54	20	34					
	4	Gray and tan FAT CLAY; traces of ferrous nodules	CH	16.0									
	6		CH	19.7									
06-28													
	2	Gray and tan LEAN CLAY; traces of ferrous nodules	CL	14.6									
	4	Gray and tan FAT CLAY; few ferrous and calcareous nodules	CH	23.4									

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	6	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	22.5									
	8	Gray and tan FAT CLAY; traces of ferrous nodules	CH	32.2									
06-29													
	2	Gray and tan LEAN CLAY; roots and traces of ferrous nodules	CL	22.7									
	4	Gray and tan LEAN CLAY; few ferrous nodules	CL	16.0									
	6	Gray and tan LEAN CLAY; little calcareous nodules and traces of ferrous nodules	CL	17.7									
	8	Gray and tan FAT CLAY; few ferrous and calcareous nodules	CH	25.9									
06-30													
	2	Gray and tan FAT CLAY; traces of ferrous nodules	CH	27.3									
	4	Gray and tan LEAN CLAY; traces ferrous and calcareous nodules	CL	18.2									
	6	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	26.9									
	8	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	29.6									
06-96													
	2	Gray and tan FAT CLAY; traces of ferrous nodules	CH	19.5									
	4	Gray and tan LEAN CLAY; few ferrous and calcareous nodules	CL	15.2									
	6	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	22.9									
	8	Gray and tan FAT CLAY; traces of ferrous nodules	CH	27.4									
06-97													
	1	Gray and brown SANDY LEAN CLAY; roots, traces of ferrous and calcareous nodules	CL	17.8									
	3	Gray and brown LEAN CLAY; traces of ferrous nodules	CL	18.9									
	5	Gray and tan FAT CLAY; few ferrous and calcareous nodules	CH	25.9									
	7	Gray and tan FAT CLAY; traces of ferrous nodules	CH	27.5									
06-98													
	3	Gray and tan LEAN CLAY; sand seams, traces of ferrous nodules	CL	16.4		48	19	29					
	6	Tan and light gray FAT CLAY, slickensided; traces of ferrous nodules	CH	25.8	97.7	72	27	45	98.6	0.83	9	0.6	Slickensided
06-99													
	2	Gray and tan LEAN CLAY with SAND; traces of ferrous nodules	CL	18.2									

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