

SOIL BORING LOG

ROUTE (Route) _____ **DESCRIPTION** Berthoud County Landfill Expansion
SECTION (Sect.) _____ **LOCATION** See Attached Drawing
COUNTY County **STRUCTURE NO.** Struct No. **(Exist)** _____ **(Prop.)** _____

BORING NO. B-3 **DRILLING METHOD** HSA **HAMMER TYPE** Manual

 Station 100+00
 Offset 10'Left
 Ground Surface Elev. 551.6 (ft.)

 Surface Water Elev. 123.4 (ft.)
 Groundwater Elev. _____
 First Encounter 123.3 (ft.)
 Upon Completion 123.2 (ft.)
 After 24 Hrs. 123.1 (ft.)

SOIL DESCRIPTION	(ft.)	(ft.)	(blows)	(tsf)	(%)	SOIL DESCRIPTION	(ft.)	(ft.)	(blows)	(tsf)	(%)
<u>CLAY</u> , silty, brown, soft, moist							14				
						536.8					
		2				<u>ROCK FRAGMENTS</u> and <u>GRAVEL</u> , fine gravel size	16	48			21
							18				
		4									
	546										
Brown, silty <u>SAND</u> with some gravel		6	19	2.1 B	25		20				
								49			28
		8									
			20		20		529.6	22			
						<u>SAND</u> , very coarse grained brown, with some gravel and cobbles, no fines, micaceous					
		10									
							24				
			28		18						
		12									
							26				18
			23		12						

 The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer).
 The Standard Penetration Test (SPT) N Value is per (AASHTO T206)

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 SECTION (Sect.) _____ LOCATION See Attached Drawing
 COUNTY County STRUCTURE NO. Struct No. (Exist) _____ (Prop.) _____
 BORING NO. B-3 DRILLING METHOD HSA HAMMER TYPE Manual

Station 100+00
 Offset 10'Left
 Ground Surface Elev. 551.6 (ft.)

	E	D	S	U	M	Surface Water Elev.	123.4	(ft.)	E	D	S	U	M
	L	E	P	C	O	Groundwater Elev.			L	E	P	C	O
	E	P	T	S	I	First Encounter	123.3	(ft.)	E	P	T	S	I
	V	H	N	Qu	S	Upon Completion	123.2	(ft.)	V	H	N	Qu	S
					T	After <u>24</u> Hrs.	123.1	(ft.)					T

SOIL DESCRIPTION	(ft.)	(ft.)	(blows)	(tsf)	(%)	SOIL DESCRIPTION	(ft.)	(ft.)	(blows)	(tsf)	(%)
							510.8				
		28									
								42			
		30									
								44			
		32									
								46			
		34									
								48			
		36									
								50			
		38									
								52			
512.8											
LIMESTONE, medium gray, very hard											
		40									

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