

State of Delaware
Department of Natural Resources and Environmental Control

Delaware Division of Parks and Recreation

89 Kings Highway

Dover, Delaware 19901

# CONTRACT DOCUMENTS & TECHNICAL SPECIFICATIONS ADDENDUM No. 1

#### **BELLEVUE STATE PARK**

# Gun Club Road (Related Utilities and Amenities) Contract No. 2013-NVF-100 December 16, 2013

This Addendum shall be attached to the specifications and/or drawings of the above named project and shall become part of the contract documents. All statements made herein shall supersede statements in the main body of the specifications and items shown on the drawings with which they are in conflict. Work and materials not specifically mentioned herein shall be as described in the main body of the specifications and as shown on the drawings. The bidder must acknowledge the receipt of this addendum on page 00300-4 of the Bid Form.

#### CHANGES AND/OR ADDITIONS TO THE CONTRACT DOCUMENTS

#### **Modification to Drawings:**

#### **Drawing C-100:**

Add General Note 33: CCR services will be provided by DNREC.

#### **Modification to Specifications:**

#### **Bid Form:**

Replace Bid Form pages 00300-2 and 00300-3 with Bid Form pages 00300-2 and 00300-3 included with this addendum.

#### Section 01005 - ADMINISTRATIVE PROVISIONS

Replace Article 7 and Article 8 in their entirety with the following:

#### **ARTICLE 7: ALLOWANCES**

7.1 Schedule of Allowances: (Refer to Section 01020 - Allowances)

#### **ARTICLE 8: ALTERNATES**

8.1 Alternates quoted on Bid Forms will be exercised as Owner option. Accepted



### **BID FORM**

		Alternates will be listed in Owner-Contractor agreement.
	8.2	Coordinate related work and modify surrounding work affected by accepted Alternates as required to complete the work.
	8.3	Schedule of Alternates: (Refer to Bid Form and Section 01030 - Alternates)
Delete UNI's PRICE No.	Γ PRICE No 6: Supply a	ices (page 01026-3) b. 5: Supply and install 12 ft wide Bituminous Paved Trail up to 3,000 LF; UNIT and install 12 ft wide Bituminous Paved Trail up to 7,000 LF; and UNIT PRICE ll 12 ft wide Bituminous Paved Trail up to 16,000 LF in their entirety.
		te Bid Items (page 01030-1) of Alternates:
install the B Alternate Bi installation I materials sh 00300-2 as a linear feet, t for this Alte	ituminous F id Item will by the State own in the c amended by he amount f rnate shall b	agraph: "Alternate No. 3: Contractor shall supply all necessary materials and Paved Trail as shown in Detail 3 on Drawing C-152. Work covered under this be for sections of trail that comprise up to 3,000 LF that are approved for during a single mobilization. All costs associated with supplying and installing detail referenced above will be included in the price listed on Bid Form page Addendum. Should the actual quantity of work measured be less than 3,000 for Alternate No. 3 shall be reduced based on the Unit Price listed below. Prices be effective for the duration of the Contract. The State may exercise the option to in the project at any time during the execution of the Contract.
Unit of Mea	sure:	
		rail = 3,000 LF x Unit Price \$/ Unite of Measure = \$ Amount For Alternate No. 3)
install the B Alternate Bi installation materials sh 00300-2 as a linear feet, t for this Alte	ituminous F id Item will by the State own in the c amended by he amount f rnate shall b	agraph: "Alternate No. 4: Contractor shall supply all necessary materials and Paved Trail as shown in Detail 3 on Drawing C-152. Work covered under this be for sections of trail that comprise up to 7,000 LF that are approved for during a single mobilization. All costs associated with supplying and installing detail referenced above will be included in the price listed on Bid Form page Addendum. Should the actual quantity of work measured be less than 7,000 for Alternate No. 4 shall be reduced based on the Unit Price listed below. Prices be effective for the duration of the Contract. The State may exercise the option to in the project at any time during the execution of the Contract.
Unit of Mea	sure:	
		rail = 7,000 LF x Unit Price \$/ Unite of Measure = \$ Amount For Alternate No. 4)

#### **BID FORM**

ADD the following paragraph: "Alternate No. 5: Contractor shall supply all necessary materials and install the Bituminous Paved Trail as shown in Detail 3 on Drawing C-152. Work covered under this Alternate Bid Item will be for sections of trail that comprise up to 16,000 LF that are approved for installation by the State during a single mobilization. All costs associated with supplying and installing materials shown in the detail referenced above will be included in the price listed on Bid Form page 00300-2 as amended by Addendum. Should the actual quantity of work measured be less than 16,000 linear feet, the amount for Alternate No. 5 shall be reduced based on the Unit Price listed below. Prices for this Alternate shall be effective for the duration of the Contract. The State may exercise the option to include Alternate No. 5 in the project at any time during the execution of the Contract.

Unit of Measure:		
(Estimated quantity of trail = 16,000 LF x Unit Price \$ to be included in price for Alternate No. 5)	/ Unit of Measure = \$	Amount

#### **Response to Bidders Questions**

- 1.) Is there a provision for rock excavation (ie unit price)? If not are there boring logs which we can review to make our own determinations?

  Answer: There are no provisions for rock excavation. Boring logs have been included with this addendum.
- 2.) In ref to Drawing C-104 Note #1: Does New Castle County or any other entity have jurisdiction over this project which would require a permit? (demolition or other permit) Answer: New Castle County does not have jurisdiction over this project. All permit requirements have been included in the bid documents.
- 3.) In ref to Dwg C-104 Note # 3: Can you provide a copy of the Del Dot permit so that we can review the MOT requirements?
  - Answer: MOT requirements have been included in the bid documents. The set of plans containing the DelDOT stamp and signature will be provided upon contract award. The contractor will be responsible for applying to DelDOT for the DelDOT Entrance Permit.
- 4.) Dwg C-104 under the DEMO Legend:
  - a. Could you please tell me where item 48 is located?

    Answer: Item 48 is located in the Northwest corner of the site as shown on DWG C104.
  - b. Who relocates the utility poles in items 45,47,55,66,67,72,119 etc.? *Answer: Items listed above will be relocated by others.*
- 5.) Specification section 01005-2 Article 7 "Allowances" states NONE. Section 01020-3 Article 5 "Schedule of Allowances" provides 3 allowances. Section 01026-1 "Unit price schedule" shows 7 different unit prices with quantities which are to be included in the base bid. Are these also allowances? Could you please clarify the complete "Schedule of Allowances"?

#### **BID FORM**

Answer: Revisions to Specifications Section 01005 have been included with this addendum. Unit Prices are listed in Specifications Section 01026 and on Bid Form 00300-3 (as amended with this addendum). Quantities listed in Specification Section 01026 must be included in the Base Bid entered on Bid Form 00300-1. Allowance Items are listed in Specification Section 1020. The Lump Sum amount listed for each Allowance Item must be included in the Base Bid entered on Bid Form 00300-1.

- 6.) The bid form under unit price #3 shows LF as the unit for debris removal and disposal. Should this be tons?
  - Answer: The correct unit for Unit Price #3 is TONS. The Bid Form 00300-3 has been amended with this addendum.
- 7.) Section 1500-3 Article 17, please clarify the size field trailer requested. Perhaps use the standard Del Dot designation.
  - Answer: Contractor shall provide a field office that conforms to DelDOT standards for a Type III field office.
- 8.) Section 017419-2 Article 1.4a: Is it required to hire a LEED Accredited Waste Management Coordinator for this project?
  - Answer: Yes.
- 9.) Section 033000-2 Part 2.2 A1 and A2, Can you please clarify whether the rebar for this project is to be galvanized or epoxy coated?
  - Answer: Rebar provided for this project shall conform to either the requirements listed in Section 033000-2 Part 2.2 A1, or Part 2.2 A2. The rebar can be either galvanized or epoxy coated, it is the contractor's discretion which they wish to use.
- 10.) Section 312319-1 "Dewatering"
  - a. Can you please provide the size of the dewatering bag required as well as a source of supply? Will it need to handle 29,500gpm?
    - Answer: Size and number of dewatering bags will be contingent upon the size and number of pumps being used to meet the 29,500 gpm requirement. Since the exact details of the dewatering system are contingent upon the contractor's means and methods it is the contractor's responsibility to size the dewatering bags.
  - b. Is there a requirement for standby pumps?

    Answer: No. However the system must be capable of pumping 29,500 gpm.
  - c. Is pumping the only means considered acceptable for diverting the water around the work area?
    - Answer: The deadline for Requests for Substitutions is 4:30 pm on December 24<sup>th</sup>. If a bidder wishes to base their bid on another means for dewatering, the designed system should be submitted prior to the deadline.
  - d. If the 29,500gpm is based on a storm event, could you also please provide the anticipated elevation of the Red Clay Creek during this same storm event?

#### **BID FORM**

Answer: The anticipated elevation of the Red Clay Creek at the project site during the designed storm event is roughly elevation 172. The cofferdam heights listed in Detail 1 on Drawing ES-151 account for the Red Clay Creek elevation during this storm event.

- 11.) Dwg C-157 detail 2 "HDPE Geomembrane:
  - a. Will anything be placed over the geomembrane or will the membrane remain exposed to the elements?

Answer: The geomembrane will remain exposed to the elements.

- 12.) Since the Dept. of Labor has decided to issue two Prevailing Wage rates for this project instead of the one wage rate for the majority of the work; we need to know specifically which job task requires which Prevailing Wage rate. Nothing causes more problems on a project when you have two laborers working side by side on a project basically doing the same work and one makes \$38.30 per hour while the other makes \$28.95 per hour.

  Answer: A description of the work covered by each set of Prevailing Wage Rates is included on the individual prevailing wage rate sheets provided by the Department of Labor and included in the specifications at the end of Specification Section 00100-12. It is the Contractor's responsibility to manage subcontractors and staff as it pertains to the prevailing wage rate requirements.
- 13.)Please help me with the Cost Estimate for Project # 2013-NVF-100, Project Title : BELLEVUE STATE PARK GUN CLUB ROAD, Bid Date : 01/03/2013

Answer: An Engineer's Estimate will not be provided for this project.

#### BELLEVUE STATE PARK GUN CLUB ROAD PROJECT CONTRACT No.2013-NVF-100

#### **BID FORM**

### **ALTERNATES**

Alternate prices conform to applicable project specification sections. Refer to Specification Section 01030 - Alternates for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

ALTERNATE	<b>No. 1:</b> Permeable Pavers Alternate 1 in lieu of Porous Asphalt
Add/Deduct:	\$
	(Words)
	\$
	\$(Figures)
ALTERNATE	No. 2: Permeable Pavers Alternate 2 in lieu of Porous Asphalt
Add/Deduct:	\$
	(Words)
	\$
	\$(Figures)
ALTERNATE	No. 3: Supply and install 12 ft wide Bituminous Paved Trail up to 3,000 lf
Add/Deduct:	\$
	(Words)
	\$
	(Figures)
ALTERNATE	No. 4: Supply and install 12 ft wide Bituminous Paved Trail up to 7,000 lf
Add/Deduct:	\$
	(Words)
	\$
	(Figures)
ALTERNATE	No. 5: Supply and install 12 ft wide Bituminous Paved Trail up to 16,000 lf
Add/Deduct:	\$
	(Words)
	\$
	(Figures)

BID FORM 00300-2

### BELLEVUE STATE PARK GUN CLUB ROAD PROJECT CONTRACT No.2013-NVF-100

### **BID FORM**

## **UNIT PRICES**

Unit prices conform to applicable project specification sections. Refer to Specification Section 01026 - Unit Prices for a complete description of the following Unit Prices:

Unit Price No. 1: Over-excavation of unsuitable soils.		
	Add/Deduct	\$ /CY
Unit Price No. 2:		
Placement and compaction of backfill materials in ove	r-excavation areas.  Add/Deduct	/CY
Unit Price No. 3: Construction and demolition debris removal and offsite	e disposal.	
	Add/Deduct	\$ /TON
Unit Price No. 4: Removal of PCB-contaminated transformers.	Add/Deduct	\$ /GAL

BID FORM 00300-3

Appendix Sheet 1 of 1 Project Number: 12615019	୍ ବେ		98.0		<i>7:</i> 6		4.12	12.3		
Project Nu	рі	Percent Sar		42.0		37.1		73	4 80	6/.4
	inej	Percent Gra		2		7. 2.2. 6.		9.4.5 9.	Š	Z0.3
	(9	fatural (%) studisioM				10.6	, P	17.1	15.3	
Summary Of Laboratory Tests		Specimen	SANDY LEAN CLAY (CL)		WELL-GRADED GRAVEL with SILT and SAND (GW-GM)		SILTY SAND with GRAVEL (SM)		SILTY SAND with GRAVEL (SM)	
7 7	Sample	ۇ	8		) di		n oar	3	<u> </u>	
mary (	Sample Depth ft	Elevation ft	4.0 - 6.0	178.0 - 176.0	8.0 - 10.0	174.0 - 172.0	13.0 - 15.0	169.0 - 167.0	8.0 - 10.0	174.0 - 172.0
Sun	Boring	ď	3	44	ç b	u O	ç a	φ		

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67.2

5.3

8.4

SILTY SAND (SM)

18.0 - 20.0

Jar

B-7

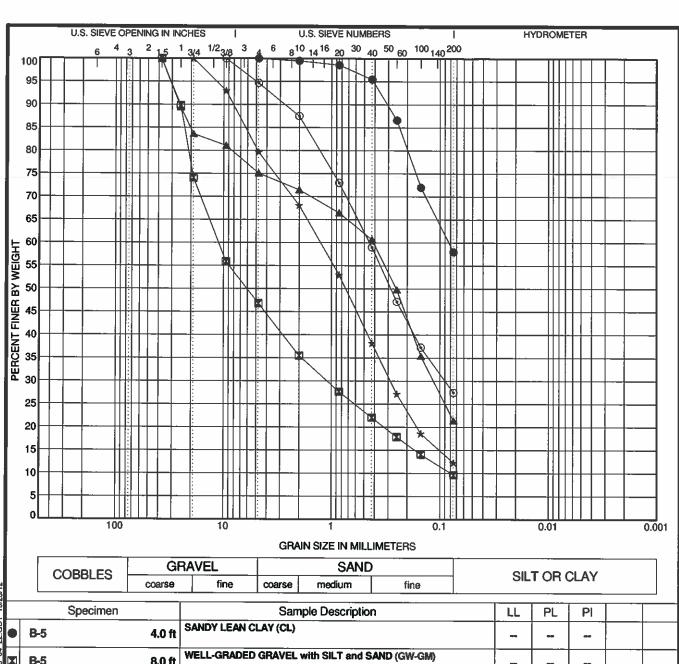
162.0 - 160.0

Project:NVF Bridges NVF Yorklyn Site (DE-0071) Yorklyn, DE

Soil tests in general accordance with ASTM standards.
 Soil classifications are in general accordance with ASTM D2487(as applicable), based on testing indicated and visual classification.
 Key to abbreviations: NP=Non-Plastic; -- indicates no test performed

Notes:

DYNAMIC LAB SUMMARY 12615019 NVF BRIDGES.GRJ SCHNABEL DATA TEMPLATE 2009 04 22.GDT 10/23/12



10/23/1						552.55									
			Specimen			Samp	ple Descript	ion			LL	PL	PI		
22.GDT	•	B-5		4.0 ft	SANDY LEAN C	LAY (CL)									
SCHNABEL DATA TEMPLATE 2008 04	X	B-5		8.0 ft	WELL-GRADED	GRAVEL W	vith SILT and	-	_	••	·				
PLATE 2		B-5		13.0 ft	SILTY SAND wi	th GRAVEL	(SM)		-	-					
TA TEM	*	B-6		8.0 ft	SILTY SAND wi	th GRAVEL	(SM)			••					
SEL DAT	0	B-7		18.0 ft	SILTY SAND (S	M)		-	-	**					
HNAE	L,		Specimen		Test Method	D100	D60	D30	D10	%Gı	avel	%Sand	%S	ilt	%Clay
		B-5		4.0 ft	ASTM D422	4.75	0.083			0.	.0	42.0		58.0	)
S.GP	M	B-5		8.0 ft	ASTM D422	ASTM D422 37.5 11.105 1.094 0.079 53				53	.2	37.1		9.7	
BRIDGES.GPJ	A	B-5		13.0 ft	ASTM D422	37.5	0.411	0.115		24	.9	53.7		21.4	,
8	*	B-6		8.0 ft	ASTM D422	19	1.264	.3	67.4		12.3				



SIEVE 5 SHEET 12615019 NVF

# **GRADATION CURVES**

67.2

27.5

5.3

Project: NVF Bridges

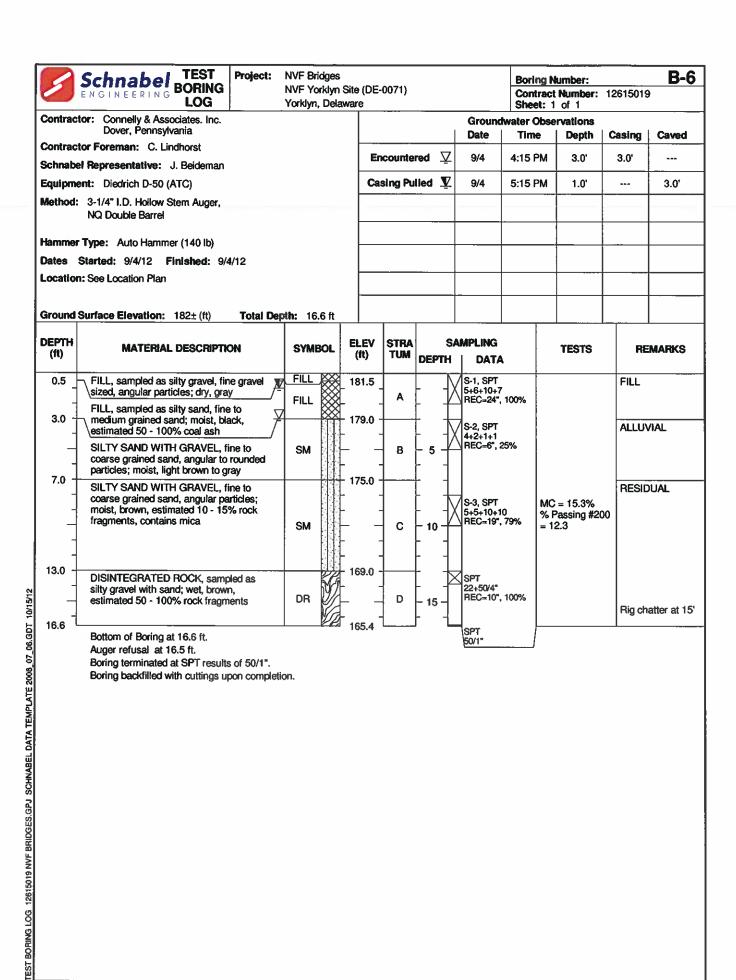
0.09

NVF Yorklyn Site (DE-0071)

Yorklyn, DE

Contract: 12615019

1	Schnabel BORING LOG	ı	NVF Bridge: NVF Yorklyr Yorklyn, Del	n Site (		071)				Con	trac	tumber: t Number:	12615019	<b>B</b> -
Contract	tor: Connelly & Associates. Inc.		TOTALYTI, DE	awa c	<u> </u>	-			Ground			ervations	<del></del>	
<b>.</b>	Dover, Pennsylvania								Date	Tim		Depth	Casing	Caved
	tor Foreman: C. Lindhorst  Representative: J. Beideman				Enc	ounte	red .	abla	9/4	10:55	AM	7.5'	6.0'	
	ent: Diedrich D-50 (ATC)			ľ	Casi	ing Pu	lled		9/4	3:12	PM		•••	1.5'
Method:	3-1/4" I.D. Hollow Stem Auger,													
	NQ Double Barrel			-				-						
łammer	Type: Auto Hammer (140 lb)			-	_			$\dashv$						
	Started: 9/4/12 Finished: 9/4/12													
.ocation	n: See Location Plan													
around :	Surface Elevation: 182± (ft) Tota	al Dept	th: 29.6 ft											
EPTH (ft)	MATERIAL DESCRIPTION	j	SYMBOL	ELE (ft		STRA TUM	DEPT		MPLING	<b>A</b>		TESTS	RE	MARKS
0.1	\1" Topsoil	$\overline{}$	- XX	181 7	.9	-		K	S-1, SPT		_		FILL	
2.0	FILL, sampled as silty sand, fine to		FILL	180	,,	Α	<b>-</b> -	1/	2+6+6+5 REC=12"					
	coarse grained sand; moist, brown, contains mica	_/	FILL 🐰	}-	4		_	$\langle   \rangle$	S-2, SPT 6+5+3+2	ECO.				
4.0	\ \fills, sampled as poorly graded gravel, fine gravel sized, angular particles; wet,			178	3.0		- - 5 ·	↥	REC=12" S-3, SPT 2+2+2+2			= 25.1%	ALLU	/IAL
4	gray		CL //	-	-	8	-	$\downarrow$	REC=24"	, 100%		Passing #20 8.0	וא	
7.5	SANDY LEAN CLAY, fine to coarse ¬ grained sand; moist, gray, contains root	ts, 🗡		174	ı.5 -		-	$\frac{1}{2}$	11+8+8+ REC=24	12			DEOL	
4	\ slight organic odor \ Change: wet		3"		7		_		S-5, SPT 14+16+16			= 10.6% Passing #20	RESID	)UAL
-	WELL GRADED GRAVEL WITH SILT	_	GW-GM	-	$\exists$		- 10 ·	+	\REC=12"	, 50%	= 9			
]	AND SAND, fine to coarse grained sand angular particles; moist, brown and white angular particles and 15% and fragments.	ite,	211				_	_						
13.0 +	estimated 10 - 15% rock fragments, contains mica	A	96	169	0.0		-	+	S-6, SPT		MO	i = 17.1%		
	\Change: wet SILTY SAND WITH GRAVEL, fine to	-/		L		С	- 15 ·	<u> </u>	7+7+9+12 REC=12"	2	% F	Passing #20	00	
4	medium grained sand, angular particles moist, orangish brown and black.	s;		-	4		-	-						
	estimated 10 - 15% rock fragments, contains mica, relict rock structure		SM	t	]		<u>-</u>	1						
-	Change: white with bands of orangish			-	]		_		S-7, SPT 13+18+21					
20.5	brown, relict rock structure			161	.5		– 20 -	▐	REC=24"					
]	DISINTEGRATED ROCK		M		1		-	1	C-1, COF Run = 4.0 REC=0".	ft .			Drill ad indicat	es
4			V/1	1	+		-	۱\	RQD=0",				of hard	iting lay dand so
24.5 25.1	DISINTEGRATED ROCK, sampled as		DR 7	157 156		D	- - 25 -	<u> </u>	S-8, SPT				rock.	
	silty sand, fine to coarse grained sand; moist, brown with bands of white,			- 136		-	-	1	21+4/1"" REC=4",				Drill ad indicat	es
1	contains mica, relict rock structure	_		1			-	<u> </u>	C-2, COF Run = 4.5 REC=0",	ft				iting lay
29.6	DISINTEGRATED ROCK			152			-	┤	ROD=0",				rock.	
	Bottom of Boring at 29.6 ft.			152	4									
	Auger refusal at 20.5 ft.  Boring terminated at selected depth.													
	Boring backfilled with cuttings upon con	npletio	n.											



1	ENGINEERING BORING	NVF Bridç NVF York Yorklyn, D	dyn s		0071)				Con	tract	umber: Number: of 1	12615019	<b>B</b> ·
Contract	tor: Connelly & Associates. Inc. Dover, Pennsylvania								dwater (	Obse	rvations		
Contract	tor Foreman: C. Lindhorst			-				Date	Tim	_	Depth	Casing	Cave
Schnabe	el Representative: L. Geake			En	counte	red	$\nabla$	8/31	9:57	AM ———	7.0'	6.0	
	ent: Diedrich D-50 (ATC)												
Viethod:	3-1/4" I.D. Hollow Stem Auger, NQ Double Barrel						_						
tammer	Type: Auto Hammer (140 lb)			-			$\dashv$		-				
Dates :	Started: 8/31/12 Finished: 8/31/12											_	
_ocation	n: See Location Plan												
Sround S	Surface Elevation: 180± (ft) Total Dep	8h. 33 A	fŧ				$\top$						
DEPTH	MATERIAL DESCRIPTION	SYMBC		ELEV	STRA		SA	MPLING			TESTS	RF	MARK
(ft)				(ft)	TUM	DEP	ГН	DATA	4		, 2010		
0.3	3" Topsoil	×	<b>X</b>	179.7		-		S-1, SPT 2+2+2+2				FILL	
-	FILL, sampled as silty sand with gravel, fine to coarse grained sand; moist, dark	FILL X	്&-	-	-	-	+	REC≖7", S-2, SPT	29%				
4.0	brown with black, contains cinders, contains brick fragments, contains coal	×	▓⁻	176.0 -	1	<u> </u>	X	3+2+2+1 REC=8",					
	FILL, sampled as silty gravel with sand;	×	് -		A	- 5	$-\chi$	S-3, SPT 2+2+1+1					
4	moist, yellowish brown with black, contains cinders, contains coal	FILL	❈╴	-	-	-	+	REC=6", S-4, SPT					
1	Change: wet, brown with yellowish brown	***	▓ፗ	-	1	-		8+5+4+5 REC=6",					
9.0	Change: brown with black	× ×	$\otimes$	171.0 -		-	-1	S-5, SPT 4+4+4+4				41110	m A I
$\dashv$	SILTY SAND; moist, grayish brown and orangish brown, contains mica		-		1	10	+	REC=17	, 71%			ALLU	/IAL
1		SM		-	В	-	1						
13.0 +	SILTY SAND; moist, grayish brown with	1.7	#	167.0 -		-	+	S-6, SPT				RESID	N IAI
	bands of white, contains mica, relict rock structure		-	-	1	- - 15	1/	9+10+11 REC=20	<b>⊦18</b>			112010	OAL
7	Suddiale				]	F 13	T	1				Rig ch	atter a
4			-	-	-	-	+						
		SM		-	C		$\downarrow$	S-7, SPT			= 8.4%		
4				_	]	20	1	18+23+30 REC=16"	, 67%	% F   = 2	Passing #20 7.5	0	
+			-	-	1	-	+						
23.0 1				157.0 -			1						
	DISINTEGRATED ROCK, sampled as silty sand; moist, grayish brown with	1	F)-	-	1	-	$\not\succeq$	S-8, SPT 47+50/5"					
$\dashv$	bands of white, contains mica, relict rock structure	20 1		_		- 25	+	REC=11"	, 100%				
]		DR M		_	D		1					Rig ch	atter a
4			<b>//</b> -	-	-	-	+	S-9, SPT					
29.0	MARBLE, moderately weathered to highly	W.	#	151.0 -		<u> </u>	+	50/1" REC=0",	0%			WISS	AHICK
	weathered, highly fractured (2.5 - 8 in) to intensely fractured (< 2.5 in), grayish	Ц	닞		E	- 30 -	][	R-1, COF Run = 4.3	1E			FORM Waket	
-	white and light brown	F	부	-	-	-	1	REC=39" RQD=0",					
33.4 <sup>-</sup> L	Detters of Devices at 00 4 ft		7	146.6		<b>-</b>	L	<u> </u>					
	Bottom of Boring at 33.4 ft.  Auger refusal at 29.0 ft.												
	Boring terminated at selected depth.  Boring backfilled with cement/bentonite grout	LECOR COR	noloti	ion									
		upori WII	·Mer	V1 1.									

