

CLIENT         CT Consultants         BORING #         B-1           PROJECT NAME         Cherry Fork Sanitary Improvements         JOB #         241GC005           PROJECT LOCATION         Cherry Fork         DRAWN BY         ASH           Adams County, Ohio         APPROVED BY         RES           DRILLING and SAMPLING INFORMATION         TEST DATA           Date Started         06/28/2024         Hammer Wt.         140 lbs.		
Adams County, Ohio  APPROVED BY RES  DRILLING and SAMPLING INFORMATION  TEST DATA		
DRILLING and SAMPLING INFORMATION TEST DATA		
Date Statted U0/20/2024 Hattimer Wt. 140 lbs.		
Date Completed <u>06/28/2024</u> Hammer Drop30 in.		
Drill Foreman MJ Spoon Sampler OD 2 in.		
Ingrestor Peak Core Dia in 5		
Boring Method HSA Shelby Tube ODin.   Sign   Sign   Shelby Tube ODin.   Shelby Tube	<u></u>	
applic applic applic applic applic applic application of the strong application application application application applications application application applications applicat	l) xəp	
Sumple Compressive Strength  Standard Penetration  Test, blows per foot  Moisture Content %  Liquid Limit (LL)	Plasticity Index (PI)	Xs S
Stratum Depth Sample Sample Sample Sample Outst blo	Plastic	Remarks
TOPSOIL - 3" / 0.3		
Brown SILTY CLAY (CL), little Sand and Gravel,		
trace Root Hairs and Limestone fragments. Moist.  Medium stiff to stiff.  1 SS 12 4.5+		
Gray-brown varved SILTY CLAY (CL). Moist. Stiff.		
3 SS X 15 4.5+		
8.0 8.0		
4 SS 50/6"* 4.5+		*21-50/6"
		21-30/6
13.0		
Gray highly weathered SHALE with Limestone.		
- Boring ended at a depth of 13.6 feet due to auger refusal.		
Sample Type Depth to Groundwater		oring Method

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger

RC - Rock Core

CU - Cuttings

CT - Continuous Tube

SPT- Standard Penetration Test

Depth to Groundwater

■ Noted on Drilling Tools Dry ft.

★ At Completion (in augers) ft.

✓ At Completion (open hole) **Dry** ft.

▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
▼ After \_\_\_\_ days \_\_\_\_\_ ft.
■ Cave Depth \_\_\_\_\_\_ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling

Page 1 of



CLIE	NT	CT Consu	ıltants							BOR	ING#_	В	<b>-2</b>			
PRC	JECT NAME	Cherry Fo	ork Sanitary Impro	veme	nts				_		#		41GC	0056	64	
PRC	JECT LOCATIO	N Cherry Fo								DRA	WN BY	A	SH			
		Adams Co	ounty, Ohio							APP	ROVED	ВҮ <u> <b>R</b></u>	ES			
		DRILLING and S	SAMPLING INFORMA	TION		Г				1		TE	EST DA	ATA		
	ate Started	06/28/2024	Hammer Wt		140	_lbs.										
С	ate Completed	06/28/2024	_ Hammer Drop _		30	in.										
С	rill Foreman _	MJ	_ Spoon Sampler C	D	2	in.										
Ir	nspector					in.				t ol	gth	er	٠.0		_	
В	oring Method	HSA	_ Shelby Tube OD			in.	ø)	phics aphics	_	netrati oer foo	offined Stren	tromet	ntent %	(TT)	ex (PI)	
		SOIL CLASSIFICA	ATION	E_		e	Sample Type	Sampler Graphics Recovery Graphics	Groundwater	Standard Penetration Test, blows per foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plasticity Index (PI)	ırks
		SURFACE ELEV	ATION	Stratum Depth	Depth Scale	Sample No.	Samp	Samp Reco	Grour	Stanc Test,	Qu-ts Comp	PP-ts Pocke	Moist	Liquic	Plasti	Remarks
	TOPSOIL - 3"	·	/	0.3	_											
-			), trace Root Hairs.		-											
	Moist. Soft				-	1	SS	$\mathbb{V}$		5		3.5				
					_			$\triangle$								
				3.0	-											
-	Gray-brown va	arved SILTY CLAY	(CL). Moist. Medium		-											
					-	2	SS	ΙX		10		4.5+				
					5 —			$\triangle$								
-10				6.0	-											
	Gray SHALE	 / CLAY (CL). Dam	p. Very stiff to hard.	0.0	-											
ŀ	[Redisuum	]			_	3	SS	ΙX		20		4.5+				
+					_			$\vdash$								
Ŧ	]				-											
1	=				_											
Æ					-	4	SS	ΙXΗ		47		4.5+				
Ŧ					10 —			H	園							
ŀ					_											
Æ					-											
+					-											
TE	1			13.0	_											
	Gray highly w	eathered SHALE w	vith Limestone.	13.8	-	_5	SS			50/3"						
	- Boring ender	d at a depth of 13.8	3 feet due to auger													

Sample Type

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger

RC - Rock Core CU - Cuttings

CT - Continuous Tube

SPT- Standard Penetration Test

Depth to Groundwater

● Noted on Drilling Tools **\_\_\_Dry**\_ ft.

★ At Completion (in augers) ft.

✓ At Completion (open hole) **Drv** ft.

 ¥ After \_\_\_\_\_ days
 \_\_\_\_\_ ft.

 ▼ After \_\_\_\_\_ days
 \_\_\_\_\_ ft.

 ■ Cave Depth
 \_\_\_\_\_ ft.

**Boring Method** 



CLIE	NT	CT Consu	ıltants						_	BOR	ING#_	В	3-3			
PRO	JECT NAME	Cherry Fo	ork Sanitary Impro							JOB	#	2	41GC	0056	64	
PRO	JECT LOCATIO	ON Cherry Fo	ork						_	DRA'	WN BY	A	SH			
		Adams Co	ounty, Ohio							APPI	ROVED	ВҮ <u></u>	ES			
		DRILLING and S	SAMPLING INFORMA	TION		ſ			1	1	1	TE	EST DA	ATA		
D	ate Started	06/28/2024	Hammer Wt		140	_lbs.										
D	ate Completed	06/28/2024	_ Hammer Drop _		30	_in.										
D	rill Foreman _	MJ	_ Spoon Sampler C	DD	2	_in.										
In	spector					- 1				등	ıgth	ter	vo.			
В	oring Method	HSA	_ Shelby Tube OD			_in.		phics		netrati er foo	fined	romet	tent %	F)	ex (PI)	
		SOIL CLASSIFICA	ATION	E _	ے م	eld eld	Sample Type	Sampler Graphics Recovery Graphics	Groundwater	Standard Penetration Test, blows per foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plasticity Index (PI)	arks
		SURFACE ELEVA	ATION	Stratum Depth	Depth Scale	Sample No.	Sam	Sam	Grou	Stan Test,	Qu-ts Com	PP-ts Pock	Mois	Liqui	Plast	Remarks
	TOPSOIL - 3'		/	0.3	_											
-		SANDY CLAY (CL dium stiff to very sti			-		-									
	IVIOIST. IVIEC	aium siin to very Sti	II.		-	1	SS	X		6		4.5+				
					_			Ш								
- 1//					-	-										
					-											
					-	2	SS	X		13		3.5				
					5 -		_	$\Box$								
-					-											
					-											
					_	3	SS	X.		16		3.5				
-  /					-			Н								
	Grav-brown v	arved SILTY CLAY		8.0	-											
	stiff.		(-)					//								
					-	4	SS	X		20		4.5+				
-					10 —			Н	屬							
					-											
					_			$\bigvee$								
-10				10.5	-	5	SS	\ \		29		4.5+				
-	Davina anda	d at a danth at 10.0	- 64	12.5	_			Н								
	- Boring ende	d at a depth of 12.5	teet.													
										l						

Sample Type

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger

RC - Rock Core CU - Cuttings

CT - Continuous Tube SPT- Standard Penetration Test

<u>Depth to Groundwater</u>

■ Noted on Drilling Tools <u>**Dry**</u> ft.

★ At Completion (in augers) ft.

✓ At Completion (open hole) **Dry** ft.

▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
▼ After \_\_\_\_ days \_\_\_\_ ft.
■ Cave Depth \_\_\_\_\_ ft.

**Boring Method** 

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling

Page 1 of



LIENTCT Consultants							BOR	ING#_	В	<b>-4</b>			
ROJECT NAME Cherry Fork Sanitary In	nproveme	ents				_	JOB	#	24	41GC	0056	34	
ROJECT LOCATION Cherry Fork							DRA'	WN BY	A	SH			
Adams County, Ohio							APPI	ROVED	ву <b>R</b>	ES			
DRILLING and SAMPLING INFO	RMATION								TF	EST D	ΔΤΔ		
		4.40	[							_01			
Date Started 06/28/2024 Hammer Wt.			_										
Date Completed 06/28/2024 Hammer Dro													
Drill Foreman MJ Spoon Samp			_										
Inspector Rock Core D					.0		t G	ıgth	ter	<b>,</b> 0			
Boring Method HSA Shelby Tube	OD		_in.	40	phics aphics		netrati er foo	fined	trome	tent %	LL)	ex (PI	
SOIL CLASSIFICATION	E		Φ	Sample Type	Sampler Graphics Recovery Graphics	Groundwater	Standard Penetration Test, blows per foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plasticity Index (PI)	<del>k</del> s
SURFACE ELEVATION	Stratum Depth	Depth Scale	Sample No.	Sampl	Sampl Recov	Groun	Standa Test, k	Qu-tsf Compi	PP-tsf Pocke	Moistu	Liquid	Plastic	Remarks
TOPSOIL - 3"	/ 0.3				П								
Brown and gray SILTY CLAY (CL), some Sand, tr	ace	-											
Gravel. Moist. Medium stiff.		-		00	$\bigvee$				2.5				
		-	1	SS	$\mathbb{N}$		6		2.5				
		_			Н								
		-			$\backslash /$								
		-	2	SS	$ \hat{A} $		10		4.0				
		5 -			Н								
		-	1										
			3	SS	X		10		3.0				
		_	-		Д								
Gray and brown varved SILTY CLAY (CL). Moist.	8.0	-	1										
Very stiff.		-				101							
		-	4	SS	IX.	屬	19		3.5				
		10 -			$\square$								
			4										
		-	-										
		-											
		-	1										
	13.0	_											
Brown-gray SHALEY CLAY (CL). Damp. Hard.	40.0	-	_	00			E0/E"						
[Residuum]	13.9		5	SS			50/5"						
- Boring ended at a depth of 13.9 feet.													
Sample Type		pth to (		<u> </u>								<u> </u>	ring Method

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger RC - Rock Core CU - Cuttings

CT - Continuous Tube SPT- Standard Penetration Test

• Noted on Drilling Tools **Dry** ft. ★ At Completion (in augers) ft.

✓ At Completion (open hole) **Dry** ft. ▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
▼ After \_\_\_\_ days \_\_\_\_ ft.
■ Cave Depth \_\_\_\_\_ ft.



Repector   Rock Core Dia.   In.   In.   Representation   Representation	Date Started         06           Date Completed         06           Drill Foreman         M.           Inspector	Cherry Fork Sacherry Fork Cherry Fork Adams County RILLING and SAMPI 6/28/2024 H J S R	anitary Impro	TION  DD	140 30 2	lbs. in. in.		9	_	JOB DRA\ APPI	ROVED	24 A BY R	EST DA	ATA		
Brown SILTY SANDY CLAY (CL), little Gravel. Moist.				Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graph Recovery Grap	Groundwater	Standard Penetration Test, blows per foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetro	Moisture Content %	Liquid Limit (LL)	Plasticity Index (PI)	Remarks
	Stiff.  - Boring ended at a			7.0	5 —	2	SS		遊	13		4.5+ 3.75				

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger

RC - Rock Core CU - Cuttings

CT - Continuous Tube SPT- Standard Penetration Test

• Noted on Drilling Tools **Dry** ft. ★ At Completion (in augers) ft.

✓ At Completion (open hole) **Dry** ft.

▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
▼ After \_\_\_\_ days \_\_\_\_ ft.
■ Cave Depth \_\_\_\_\_ 3.5 ft.



Gray-brown varved SILTY CLAY (CL). Moist. Very

Brown-gray highly weathered SHALE. - Boring ended at a depth of 11.3 feet.

## **TEST BORING LOG PRELIMINARY**

CLIENT	CT Consultants							BOR	ING#_	В	<b>8-6</b>			
PROJECT NAME	Cherry Fork Sanitary Impi	oveme	ents				_	JOB	#	2	41GC	0056	<u>34</u>	
PROJECT LOCATION	Cherry Fork						_	DRA	WN BY	A	SH			
	Adams County, Ohio						_	APP	ROVED	ВҮ <u></u>	ES			
DR	ILLING and SAMPLING INFORM	ATION		r						TI	EST D	ATA		
Date Started06/2	<b>28/2024</b> Hammer Wt.		140	lbs.										
Date Completed	<b>28/2024</b> Hammer Drop		30	in.										
Drill Foreman MJ	Spoon Sampler	OD _	2	in.										
Inspector	Rock Core Dia.			_in.				ц	gth	er				
Boring Method <b>HS</b>	A Shelby Tube OI			_in.	_	phics aphics		netratic er foot	fined Stren	tromet	itent %	 	(PI) xe	
SOIL	. CLASSIFICATION	E		<u>a</u>	Sample Type	Sampler Graphics Recovery Graphics	Groundwater	Standard Penetration Test, blows per foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plasticity Index (PI)	rks S
SUR	FACE ELEVATION	Stratum Depth	Depth Scale	Sample No.	Samp	Samp Reco	Grour	Stand Test, I	Qu-tsl Comp	PP-tsf Pocke	Moist	Liquid	Plastic	Remarks
TOPSOIL - 4"			-											
Brown SILTY SAND  Medium stiff to s	OY CLAY (CL), little Gravel. Moist.		-											
Wiedidini stili to s	uii.		-	1	SS			10		4.25				
			-			H								
			-		00	M		44		0.05				
40//			-	2	SS	$ \Lambda $		11		3.25				

6.0

11.0

11.3

10 -

SS

SS

ss 🗵

\_5\_

15

50/3"

4.5

4.5+

Sample Type SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger

RC - Rock Core CU - Cuttings

stiff.

CT - Continuous Tube SPT- Standard Penetration Test Depth to Groundwater

● Noted on Drilling Tools **Dry** ft. At Completion (in augers) ft. At Completion (open hole) **Dry** ft. ▼ After \_\_\_\_ days \_\_\_\_ ft.

▼ After \_\_\_\_ days 

**Boring Method** 



Drill Foreman MJ Spoon Sampler OD 2 in. Inspector Rock Core Dia. in. Boring Method HSA Shelby Tube OD in.  SOIL CLASSIFICATION SURFACE ELEVATION SURFACE ELEVATION SURFACE ELEVATION SURFACE ELEVATION SURFACE ELEVATION SURFACE ELEVATION Surface and Limestone fragments. Moist. Medium stiff to stiff.  - Boring ended at a depth of 6.5 feet due to auger refusal.	PROJECT LOCATIO  Date Started	Cherry Forl Cherry Forl Adams Cou	k Sanitary Impro k	TION	ents	_lbs.			_	JOB DRA	# WN BY	<b>А</b> ВҮ <b>R</b>	41GC SH		64	
TOPSOIL - 5" Brown SILTY SANDY CLAY (CL), little Gravel and Limestone fragments. Moist. Medium stiff to stiff.  1 SS 8 3.5  2 SS 14 3.75  - Boring ended at a depth of 6.5 feet due to auger	Inspector	HSA SOIL CLASSIFICAT	Spoon Sampler ( Rock Core Dia. Shelby Tube OD	DD	2	in. in. in.	sample Type	sampler Graphics secovery Graphics	Sroundwater	standard Penetration est, blows per foot	նս-tsf Unconfined Հompressive Strength	P-tsf ocket Penetrometer	Aoisture Content %	iquid Limit (LL)	Pasticity Index (PI)	Remarks
	Brown SILTY Limestone  - Boring ended	SANDY CLAY (CL), fragments. Moist. Me	little Gravel and edium stiff to stiff.	0.4	- - - -	2	ss ss			8		3.5				L.

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger RC - Rock Core CU - Cuttings CT - Continuous Tube SPT- Standard Penetration Test  

 ♠ Noted on Drilling Tools
 **Dry** ft.

 ★ At Completion (in augers)
 ft.

 ▼ At Completion (open hole)
 **Dry** ft.

 ▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
■ Cave Depth \_\_\_\_\_\_ ft.

HSA - Hollow Stem Augers
CFA - Continuous Flight Augers
DC - Driving Casing
MD - Mud Drilling

Page 1 of



CLIENT	CT Consul	Itants							BOR	ING#_	В	8-8			
PROJECT NAME	Cherry For	rk Sanitary Impro	oveme	nts				_	JOB	#	24	41GC	0056	64	
PROJECT LOCATIO	N Cherry For	rk						_	DRA'	WN BY	A	SH			
	Adams Co	unty, Ohio						_	APPI	ROVED	BY <b>R</b>	ES			
	DRILLING and Sa	AMPLING INFORMA	TION								TE	EST D	ATA		
Date Started	06/28/2024	Hammer Wt		140	lbs.										
Date Completed	06/28/2024	Hammer Drop		30	in.										
Drill Foreman _	MJ	Spoon Sampler (	DD	2	in.										
Inspector					in.				_	£	_				
Boring Method	HSA				- 1		ohics phics		etratio er foot	ined Streng	romete	tent %	(T:	(PI)	
	SOIL CLASSIFICA	TION				Type	er Grap ery Gra	dwater	rd Pen lows pe	Unconfessive	Penet	e Con	Limit (L	ty Inde	Š
	SURFACE ELEVA	TION	Stratum Depth	Depth Scale	Sample No.	Sample Type	Sampler Graphics Recovery Graphics	Groundwater	Standard Penetration Test, blows per foot	Qu-tsf Unconfined Compressive Strength	PP-tsf Pocket Penetrometer	Moisture Content %	Liquid Limit (LL)	Plasticity Index (PI)	Remarks
TOPSOIL - 3'	ı		0.3	- "				_					_	-	<del>_</del>
Brown SILTY	SANDY CLAY (CL)			_											
Root Hairs	. Moist. Medium stif	f.		-		SS	$\mathbb{N}$		10		4.5+				
-				-	1	33	$\mathbb{N}$		10		4.5+				
			3.0												
	CLAY (CL), some S			_											
Limestone	fragments. Moist. S	itiff to hard.		-	,	00	$\bigvee$		44		45.				
				-	2	SS	$\wedge$		14		4.5+				
				5 —			Н	園							
				_											
				_			$\backslash /$								
				-	3	SS	$\bigwedge$		14		4.5				
				_			H								
			8.6	-	1										
Poring and	d at a dapth of 9 6 fe	not due to auger	0.0	_	4	SS	~		50/1"						
refusal.	d at a depth of 8.6 fe	eet due to auger													
				<u> </u>									_		

Sample Type

SS - Driven Split Spoon ST - Pressed Shelby Tube CA - Continuous Flight Auger

RC - Rock Core

CU - Cuttings

CT - Continuous Tube

SPT- Standard Penetration Test

★ At Completion (in augers) ft.

✓ At Completion (open hole) **Dry** ft.

▼ After \_\_\_\_\_ days \_\_\_\_\_ ft.
▼ After \_\_\_\_ days \_\_\_\_ ft.
■ Cave Depth \_\_\_\_\_ ft.

Boring Method



CLIENT	CT Consultants	 BORING #	B-9		
PROJECT NAME	Cherry Fork Sanitary Improvements	 JOB #	241GC	00564	
PROJECT LOCATION	Cherry Fork	 DRAWN BY	ASH		
	Adams County, Ohio	 APPROVED BY	<u> RES</u>		
	DRILLING and SAMPLING INFORMATION		TEST D	ΑТА	
5 . 6	00/00/0004				

DRIELING and SAMPLING INFORMATION	Adams County, Ohio					_	APP	ROVED	BY <b>R</b>	ES			
Date Completed O6/28/2024 Hammer Drop 30 in. Drill Foreman MJ Spoon Sampler OD 2 in. Inspector Rock Core Dia. in. Boring Method HSA Shelby Tube OD in.  SOIL CLASSIFICATION Up of the control of the cont	DRILLING and SAMPLING INFORMA	TION							Т	EST D	ATA		
TOPSOIL - 4**  Brown SILTY SANDY CLAY (CL), trace Gravel.  Moist. Soft to medium stiff.  1 SS 5 3.5  2 SS 5 1.75  5 - 3 SS 7 10 2.75  Brown and gray SILTY CLAY (CL), little Sand, Gravel, and Limestone fragments. Moist. Very stiff.  4 SS 7 15 4.5+  10 - 4 SS 7 30 4.5+	Date Started 06/28/2024 Hammer Wt	DD	30 in. 2 in. in. in.	mple Type	mpler Graphics covery Graphics	oundwater	andard Penetration st, blows per foot	-tsf Unconfined mpressive Strength				asticity Index (PI)	marks
	Brown SILTY SANDY CLAY (CL), trace Gravel. Moist. Soft to medium stiff.  Brown and gray SILTY CLAY (CL), little Sand, Gravel, and Limestone fragments. Moist. Very stiff.	8.0	5 - 3	SS			5 5 10	<u> </u>	3.5 1.75 2.75	W	Trial	ä	**************************************

Sample Type
SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger

RC - Rock Core CU - Cuttings

CT - Continuous Tube SPT- Standard Penetration Test

Depth to Groundwater

• Noted on Drilling Tools \_\_\_\_\_\_ ft.

★ At Completion (in augers) ft.

✓ At Completion (open hole) **Dry** ft.

 ¥ After \_\_\_\_\_ days
 \_\_\_\_\_ ft.

 ▼ After \_\_\_\_\_ days
 \_\_\_\_\_ ft.

 Ø Cave Depth
 \_\_\_\_\_ ft.