9	AR			S								Boring No.:	SB-0	3/M\	V-03
							_								
Soi	I Bor	ทู	g and	I Co	onstr	uctio	on L	.og				Shee	: 1	С	of 4
Client	t Name:		Norfolk	Sou	thern			Date	Started: <u>03-05</u>	5-2023	Logger:	Clair Luek	е		
	ct Numb								mpleted: <u>03-06</u>		Reviewer:	Evan Gree	n		
	ct Name	_			ne Train				ll Depth: 72.0 f			Constr	uotion l	Dotoi	ls 4" Stainless
Depth (feet)	Soil Sample II	S	Water ample ID	Rec. (ft)	Screening (ppm)	Blow Counts	Graphi			Drilling Fluid and Notes	1	To :			Steel Protective Casing
								Brown Silty fine SAND, little trace roots, loose, wet [To	e fine Gravel, psoil and Fill].	(0-5 ft) Boring hand cleared t				-	Sand Drain (0-1' bgs.)
_ 1 _					0.4			Strong brown fine SAND, t	race fine	5' bgs.					(0 1 290.)
 _ 2 _								subangular Gravel, trace (hard, dry, non-plastic.	organics (roots),						
_															
_ 3 _															
_														\gg	
_ 4 _					0.4								8 8		
													4 K		
_ 5 _								Strong brown SILT, little fi	ne Sand, trace					\gg	
				1	1.4			fine subangular Gravel, mon-plastic, no odor.							
_ 6 _					0.5										
_ 7 _				1	0.5								2 1/2		
				1	0.8										
_ 8 _								OLAY IIII- OIL IIII- E	2				1		
	SB-03(8- 9)/20230305			1	2.7		/////	CLAY, little Silt, little fine S cohesive, soft, low plastici	ty.			PVC	4 K		
_ 9 _								Silty fine SAND, cohesive,	dense, wet.			asing		\gg	
				1	0.6			Strong brown SILT, little C very stiff, dry (moist at 11.5							
10								plasticity, no odor. Brown Silty CLAY, little we	0 //				4 K	<i></i>	Bentonite-Cemenet
 11				1	0.4			from 14.7 - 16.4' bgs, trace mottled, cohesive, very stil	e coarse Sand,					\gg	Grout (0-57' bgs).
				1	0.3			plasticity, no odor.	i, dry, medium				8 8		
12				Ľ	0.0								a 8		
												🐰			
13					0.4				e process of ens			;			
									all audiences. Is document, or			,			
14									e, Ohio emerge						
 15									et the Region 5					\gg	
13				4	0.3			Officer on-ca	all at: R5_EastF	Palestine@ep	a.gov	\	1		
 16												- $&$			
														\gg	
17					0.3								3 8		
18								Strong brown CLAY, little	Silt_trace fine					\gg	
								subangular Gravel, cohesi medium plasticity, no odor	ve, dry, very stiff,						
19				4	0.7			modium plasticity, no oddi	•						
20															
	g Co.:	HD	Drilling	1				ZA	Drilling Metho	d: Rotary	Sonic		کا لک	<u> ∠</u> ¥_	
Drille	-		e Mchar						Sampling Dim	-					
Helpe	er:	Non	ie						First Encounte	ered Water (ft bgs): <u>8</u>				

Drill Rig: Track-Mounted Rotary Sonic Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

Static Water Level (ft bgs): NA Top of Casing Elev: 1031.54

Surface Elev: 1028.90

North Coor: 432320.30 East Coor: 2515463.59



Soil Boring and Construction Log

Boring No.: SB-03/MW-03

Soil Boring and Construction Log Sheet: 2 of 4

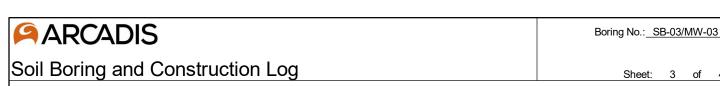
Client Name: Norfolk Southern Date Started: 03-05-2023 Logger: Clair Lueke

Project Number: 30169714 Date Completed: 03-06-2023 Reviewer: Evan Green

Proje	ct Name:	East Pa	alesti	<u>ne Train</u>	Derail	ment	Total Depth: 72.0 f	t bgs	lewei. <u>Lvaii Green</u>		
Depth (feet)	Soil Sample ID	Water Sample ID	Rec. (ft)	Screening (ppm)	Blow Counts	Graphic	Description	Drilling Fluid and Notes	Construction Details		
21 _21 22			4	0.4			Strong brown CLAY, little Silt, trace fine subangular Gravel, cohesive, dry, very stiff, medium plasticity, no odor.				
 23 			·	0.5							
24 25				0.7	-		Brown CLAY, little Silt, little fine Sand, trace fine subangular Gravel, cohesive, very stiff, dry, medium plasticity, no odor. Brown CLAY little Silt little subrounded				
 26					_		Brown CLAY, little Silt, little subrounded Cobble from 26 - 27.4' bgs, trace fine subrounded Gravel, cohesive, very stiff, dry, medium plasticity, no odor.				
27 _28_			4	4	4	0.8					
				0.8							
30 _31_ 				0.5	_				2" PVC Bentonite-Cemene Grout (0-57' bgs).		
32			4	4 0.3							
34 _35_ _36_				0.3							
37				0.5			Weak red Silty fine SAND, little fine well-rounded Gravel, dense, wet, no odor. Dark reddish brown CLAY, little Silt, little Cobble from 37.3 - 38' bgs, trace coarse				
 _39 			4	4	4 0.	0.4			Sand, trace subrounded Gravel, hard, dry, medium plasticity, no odor.		
40 41				0.5	-						

Remarks:

Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

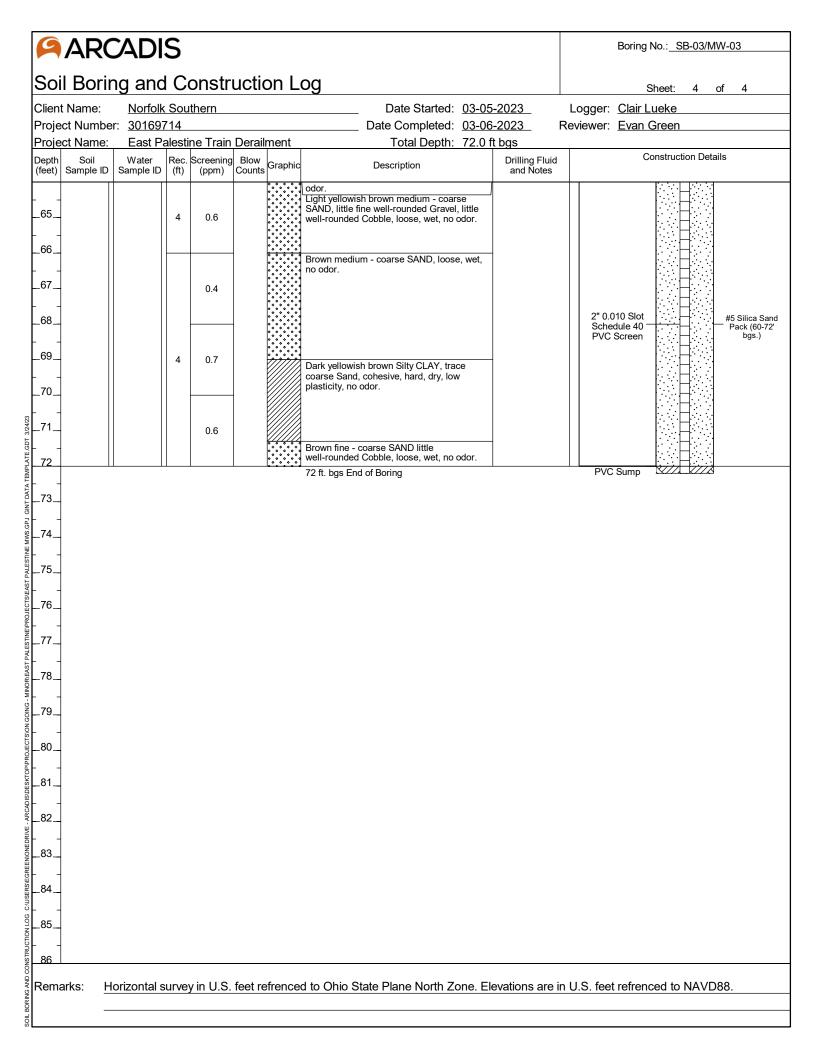


Client Name: Norfolk Southern Date Started: 03-05-2023 Logger: Clair Lueke Project Number: 30169714 Date Completed: <u>03-06-2023</u> Reviewer: Evan Green

3 of

Project Name: East Palestine Train Derailment Total Depth: 72.0 ft bgs Screening Drilling Fluid and Notes Construction Details Depth Soil Water Rec. Blow Description Sample ID Sample ID (feet) (ft) Counts (ppm) Strong brown CLAY, little Silt, trace fine coarse Sand, trace subrounded Gravel, cohesive, dry, hard, medium plasticity, no 43. 8.0 44 45. 4 0.7 46 47 8.0 48. 49 0.3 Bentonite-Cemenet Grout (0-57 50. 51 4 0.5 52. 2" PVC Casing Brown fine - medium SAND, little fine well-rounded Gravel, dense, moist, no odor. 53 0.3 .54 SAND, little Silt, trace fine well-rounded Gravel, loose, moist. 55. 0.5 .56 Brown Silty CLAY, trace fine well-rounded .57. 4 0.4 Gravel, cohesive, hard, dry, no odor. .58 Bentonite Seal (57-60' bgs.) 59 0.5 60 SB-03(60-61 0.4 62)/20230306 #5 Silica Sand 4 Pack (60-72' Brown fine - medium SAND, little Silt, trace fine Gravel, very dense, wet, no odor. 2" 0.010 Slot 63 0.7 Dark yellowish brown Clayey SILT, little coarse Sand, trace fine well-rounded Schedule 40 **PVC Screen** Gravel, cohesive, hard, moist, non-platic, no

Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88 Remarks:



9	ARC	ADI	S							Boring No.: _ S	8B-06/M	W-06
Soi	l Borir	ng and	d C	onstr	uctio	on I	_og			Sheet:	1	of 4
	t Name:	Norfolk					Date Started: <u>03-01-2</u>	2023	Logger:	Clair Lueke		
	ct Numbe						Date Completed: <u>03-02-2</u>			Evan Green		
•	ct Name:			ine Train	Derail	ment						
Depth (feet)	Soil Sample ID	Water Sample ID	Rec. (ft)	Screening (ppm)	Blow Counts			Drilling Fluid and Notes		Construc	tion Deta	ails 4" Stainless Steel Protective Casing
						<u> </u>		(0-5 ft) Boring hand cleared to	,			— Sand Drain
_ 1				0.3			Brown fine - medium SAND, medium stiff, moist, low plasticity.	5' bgs.				(0-1' bgs.)
_ 3 _				0.5								
_ 4 _ _ 5 _							Brown Silty CLAY, little Organics (roots), cohesive, stiff, moist, medium plasticity, no odor.					
6			1	0.7			Brown Silty CLAY, light gray mottling at 2.2' bgs, cohesive, stiff, moist, high plasticity, no odor.					
 _ 7 _	SB-06(6- 7)/20230301		1	1.3			Brown Silty fine GRAVEL, little medium -					
 _ 8 _			1	0.9			coarse Sand, dense, wet.					
 _ 9 _			1	0.9			Strong brown Silty fine SAND, little sub-rounded Gravel, very dense, wet, no odor.			PVC sing		
_ 10			1	0.4			Brown Silty fine GRAVEL, little coarse Sand, dense, wet, no odor.					
- _11_			1	0.7			Strong brown Silty fine SAND, trace Clay after 10.5' bgs, very dense, dry, no odor.					Bentonite-Cemenet Grout (0-61' bgs).
			1	0.7			Brown SILT, some fine sub-rounded Gravel, trace Clay, trace fine Sand, stiff, dry, low plasticity, no odor.					
_ 13			1	0.3			Brown SILT, little Clay, little fine well-rounded Gravel, trace fine Sand, light gray mottling, cohesive, dry, low plasticity.					
14			1	0.5			Brown SILT, little Clay, little fine Sand, little fine well-rounded Gravel, non-cohesive, dry, non-plastic, no odor.					
 _15 _16			2	0.5								
- _17_ 			2	0.3								
18			1									
_19			5	0.5			Brown CLAY, little Silt, cohesive, soft, moist, high plasticity.					

Drilling Co.: HD Drilling Driller: Mike Mchar Helper: <u>None</u> Drill Rig: Track-Mounted Rotary Sonic Remarks:

Horizontal survey in U.S. feet refrenced to Ohio State

Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

Top of Casing Elev: 1039.22 Surface Elev: 1036.39 North Coor: <u>432333.36</u>

East Coor: 2515896.13

Sampling Dimensions (ft): 5

Static Water Level (ft bgs): NA

First Encountered Water (ft bgs): 7



Boring No.: SB-06/MW-06

Sheet: 2 of 4

Client Name: Norfolk Southern Date Started: 03-01-2023 Logger: Clair Lueke Project Number: 30169714 Date Completed: <u>03-02-2023</u> Reviewer: Evan Green

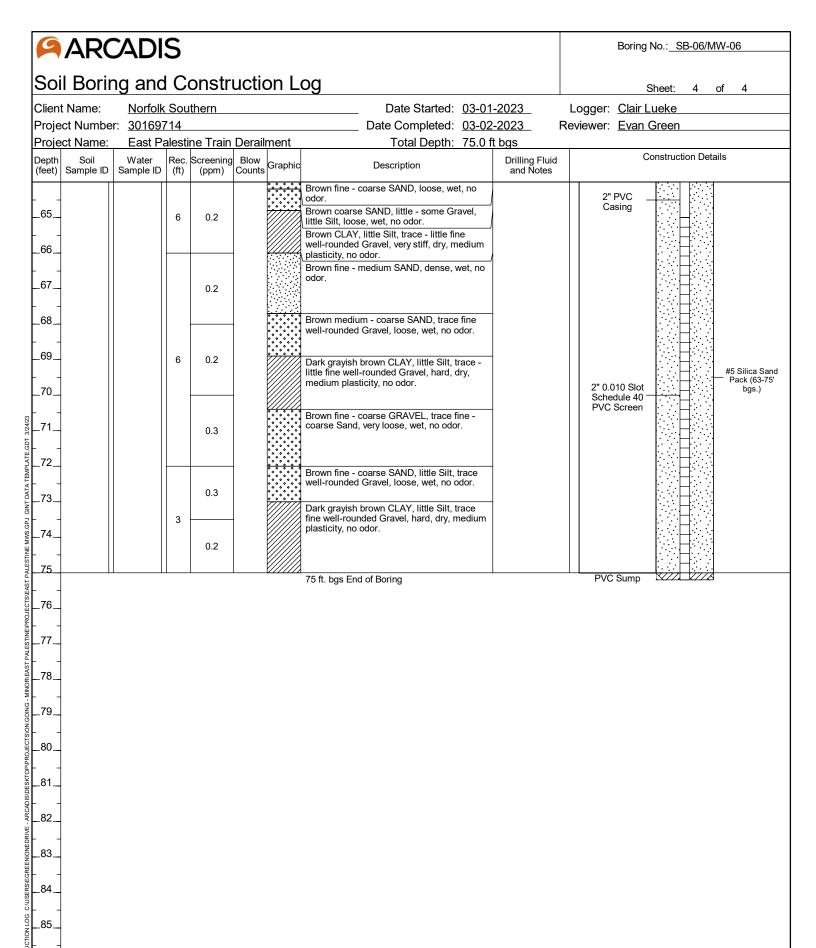
Pro	Project Name: East Palestine Train Derailment						Total Depth: 75.0		
Dep	oth Soil Sample ID	I .		Screening (ppm)	1			Drilling Fluid and Notes	Construction Details
2	_			0.5	- 3		Brown SILT, little Clay, little fine sub-rounded Gravel, non-cohesive, dry, non-plastic, no odor. Dark yellowish brown fine SAND, very		
_2: - _2: -	3		5	0.6	4		dense, moist. Brown SILT, little Clay, little sub-rounded Gravel, trace fine Sand, non-cohesive, hard, dry, no odor.		
2	5			0.3					
2(7		6	0.4					
	9			0.9					
	- ! -			0.6					2" PVC Bentonite-Cemenet Grout (0-61' bgs).
3 3 3 3 3 3 3 3	3_		6	0.5					
35 _ 36 _ 36 _ 36 _ 36 _ 36 _ 36 _ 36 _	5_			0.5					
3 3 3 3 3 3 3 3	7			0.7			Brown Silty CLAY, little fine sub-rounded Gravel, trace fine Sand, non-cohesive, hard, dry, non-plastic, no odor.		
- 39 _ 39 _ 40	9_		6	0.2					
- 4	 - -			0.1					

Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88. Remarks:

6	ARC	ADI	S								Boring No.: SE	3-06/MW-06
So	il Borir	ng and	I C	onstr	uctio	on L	og				Sheet:	3 of 4
	it Name: ect Numbe	<u>Norfolk</u> r: <u>301697</u>		ıthern				Date Started: Date Completed:			 Clair Lueke Evan Green	
Proje	ect Name:	East Pa	alesti	<u>ine Train</u>	Derail	ment		Total Depth:	75.0 f	t bgs		
Depth (feet)	Soil Sample ID	Water Sample ID	Rec. (ft)	Screening (ppm)	Blow Counts	Graphic		Description		Drilling Fluid and Notes	Construction	on Details
 43 _44_				0.4				CLAY, trace fine sub-rou Gravel, cohesive, hard, ticity.				
 45 			6	0.4								
40_ 47_ 				0.3			fine Sand, tra	ng brown SILT, little Cla ace fine sub-rounded Gr e, hard, dry, low - mediu r, no odor.	avel,			
48 _49_				0.5	_							

50 6 0.5 Bentonite-Cemenet Grout (0-61' bgs). _52_ 2" PVC _53_ 0.6 Casing _54_ _55_ 0.5 _56_ _57_ 6 0.4 _58_ _59_ 0.4 _60. SB-06(60-62)/20230302 _61 0.3 _62 Bentonite Seal (61-63' bgs.) 6 _63. 0.2 Brown fine - medium SAND, trace fine well-rounded Gravel, dense, wet, no odor. #5 Silica Sand Pack (63-75' bgs.)

Remarks: Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.



Remarks: Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

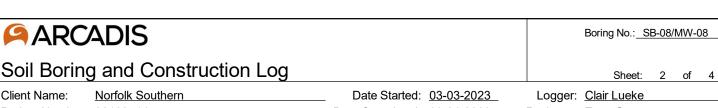
9	AR	CADI	S					Boring No.: SB-08/MW-08
Soi	I Bori	ng and	d C	onstr	uction L	og		Sheet: 1 of 4
Client	t Name:	Norfoll	k Sou	ıthern		Date Started: <u>03-03</u>	-2023 Logger:	Clair Lueke
Proje	ct Numbe	er: <u>30169</u>	714			Date Completed: 03-04		Evan Green
<u>Proje</u>	ct Name:	East P	alesti	ine Train	Derailment	Total Depth: 74.0 f	t bgs	
Depth (feet)	Soil Sample ID	Water Sample ID	Rec. (ft)	Screening (ppm)	Blow Counts Graphic	Description	Drilling Fluid and Notes	Construction Details 4" Stainless —Steel Protective Casing
 _ 1 _ _ 2 _				0.3		Very dark brown Silty fine SAND, trace Organics (roots), trace rail road ballast, moist, loose [Topsoil and Fill]. Brown SILT, little fine Sand, trace Clay, non-cohesive, dry - moist, non-plastic, no odor.	(0-5 ft) Boring hand cleared to 5' bgs.	Sand Drain (0-1' bgs.)
_ 3 _ 4 _ 5 _				0.2				
_ 6 _	SB-08(5- 6)/20230303		1	1		Brown Silty CLAY, cohesive, light gray mottling after 5.5' bgs, hard, dry - moist, high plasticity, no odor.		
 - 7 _			1	0.4				
_ · _ _ 8 _			1	0.5		Strong brown SILT, little Clay, trace fine		
			1	0.6		sub-rounded Gravel, non-cohesive, stiff, dry, no odor. Strong brown Silty CLAY, cohesive, very		
_ 9 _			1	0.4		stiff, dry, medium plasticity, no odor.		
_10			0	0.2	. (//////	Limestone boulder. No Recovery.		Bentonite-Cemene Grout (1-58'
11 _ _12_			1	0.2		Strong brown Clayey SILT, trace fine Sand, non-cohesive, hard, dry, moist at 11.5' bgs, low plasticity.		bgs).
			1	0.2		Strong brown Silty fine GRAVEL, little medium - coarse Sand, dense, wet, no odor.		
_13			1	0.3		Strong brown CLAY, little Silt, trace coarse Sand, dense, wet, no odor. Strong brown Silty fine GRAVEL, little		
14 _15_ _16_				0.3		medium - coarse Sand, dense, wet, no odor. Red SILT, little Clay, cohesive, very stiff, dry, low plasticity, no odor. Dark grayish brown CLAY, trace intermittent Cobble, trace Silt, trace fine well-rounded Gravel, cohesive, dry, high plasticity, no		
17 _17 18			4	0.4		odor.		
 _19 				0.3				
	a Co.: F	ID Drilling				Drilling Metho	d: Rotary Sonic	1744 /4474
Drille	-	1ike Mcha				_	nensions (ft): 5	

Helper: <u>None</u> Drill Rig: Track-Mounted Rotary Sonic Horizontal survey in U.S. feet refrenced to Ohio State Remarks: Plane North Zone. Elevations are in U.S. feet refrenced

to NAVD88.

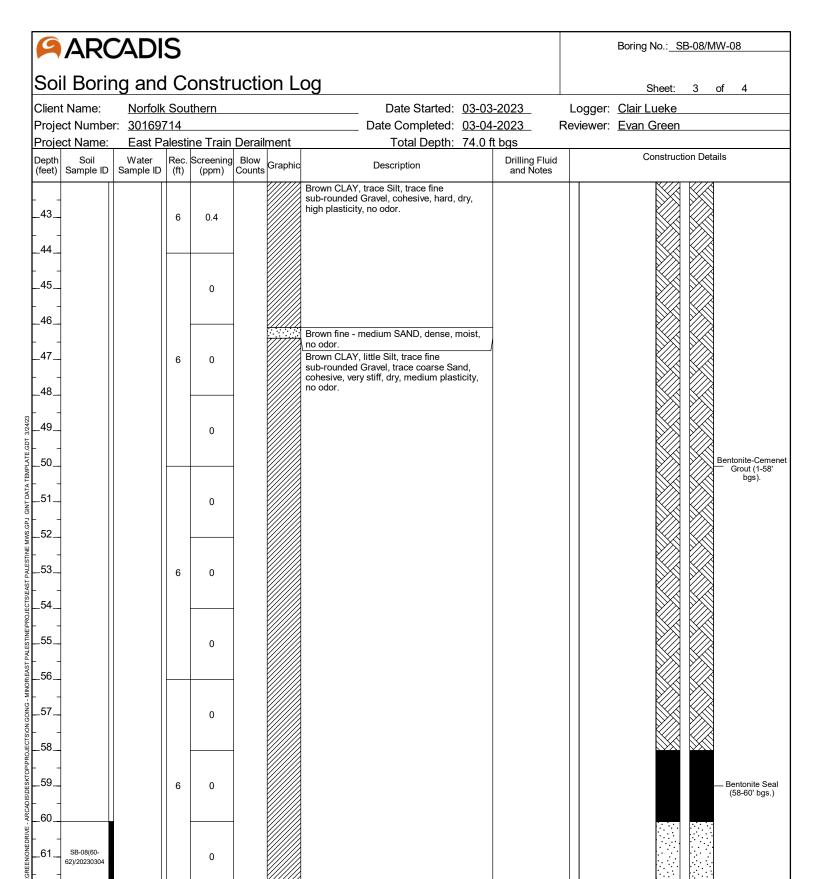
First Encountered Water (ft bgs): 11.7 Static Water Level (ft bgs): NA Top of Casing Elev: 1041.72

Surface Elev: 1039.06 North Coor: 432327.04 East Coor: 2516013.78



Project Number: 30169714 Date Completed: <u>03-04-2023</u> Reviewer: Evan Green Project Name: East Palestine Train Derailment Total Depth: 74.0 ft bgs Construction Details Soil Sample ID Water Sample ID Drilling Fluid and Notes Depth (feet) Rec. Screening Blow Description (ft) (ppm) Dark grayish brown CLAY, trace intermittent Cobble, trace Silt, trace fine well-rounded Gravel, cohesive, dry, high plasticity, no _21 0.3 22. 23. 6 0.3 24 25 0.4 26 27_ 0.5 28. 29. 6 0.3 30. Bentonite-Cemenet Grout (1-58' 31 0.4 bgs). .32 .33 0.6 34. .35 6 0.3 Brown CLAY, trace Silt, trace fine sub-rounded Gravel, cohesive, hard, dry, 36. high plasticity, no odor. 37 0.5 .38 39. 0.4 40. 6 0.5

Remarks: Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.



Remarks: Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

Grayish brown Silty CLAY, little fine Sand.

little fine Gravel, cohesive, hard, wet,

non-plastic, no odor.

63

6

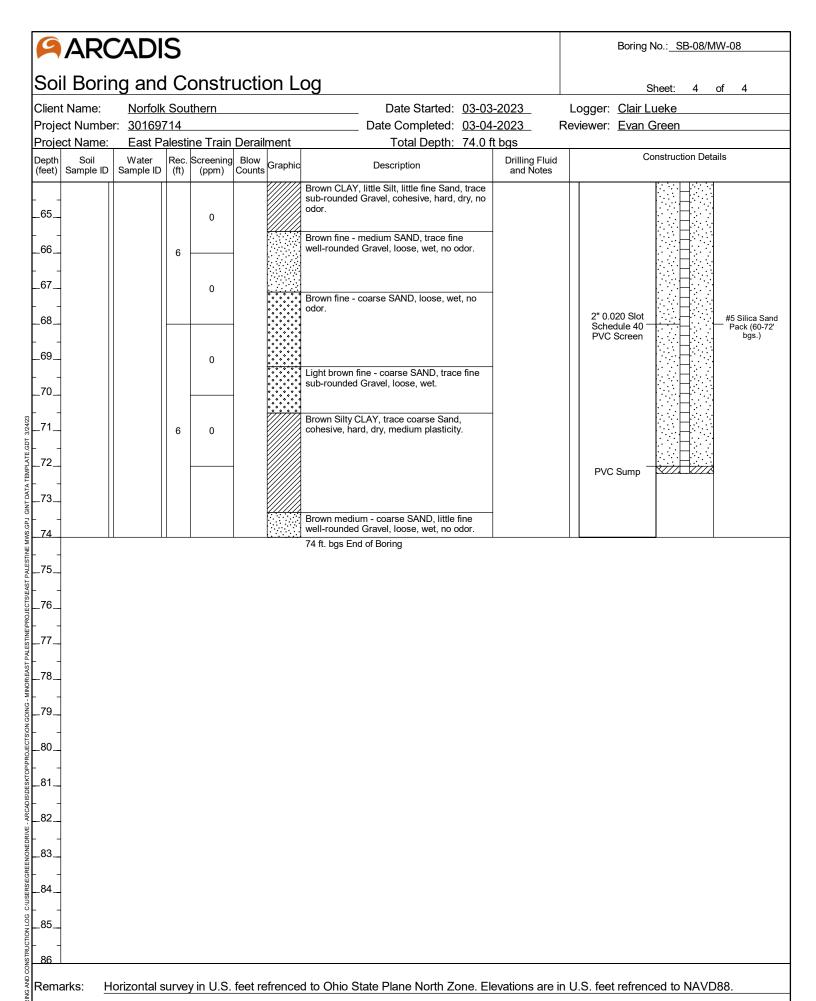
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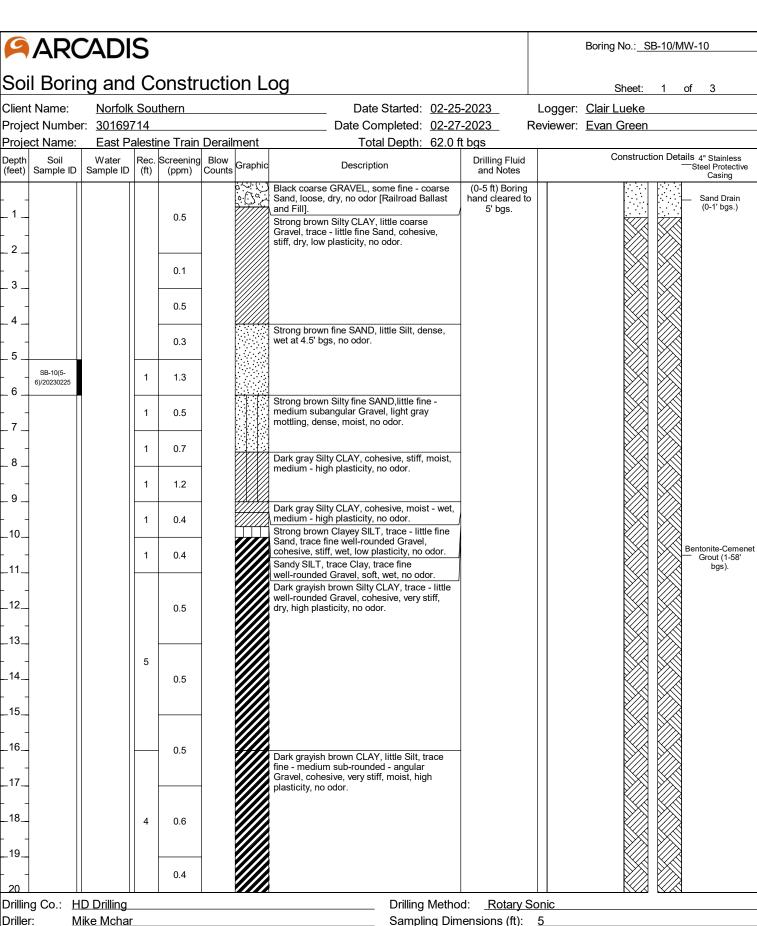
#5 Silica Sand Pack (60-72'

2" 0.020 Slot

Schedule 40

PVC Screen





Helper: None

Drill Rig: Track-Mounted Rotary Sonic

Remarks: Horizontal survey in U.S. feet refrenced to Ohio State

Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

Sampling Method: Rotary Sonic
Sampling Dimensions (ft): 5
First Encountered Water (ft bgs): 4.5
Static Water Level (ft bgs): NA
Top of Casing Elev: 1020.80
Surface Elev: 1018.01

North Coor: <u>432008.13</u>

East Coor: 2513403.23



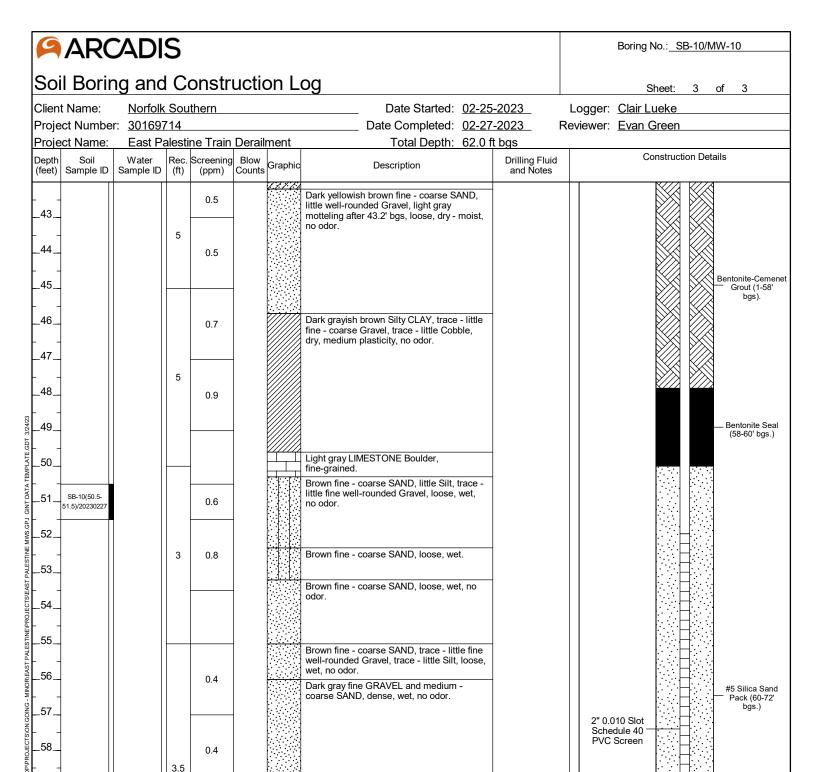
Boring No.: SB-10/MW-10

Soil Boring and Construction Log

Sheet: 2 of Client Name: Norfolk Southern Date Started: 02-25-2023 Logger: Clair Lueke Project Number: 30169714 Date Completed: 02-27-2023 Reviewer: Evan Green Project Name: East Palestine Train Derailment Total Depth: 62.0 ft bgs Construction Details Drilling Fluid and Notes Depth Soil Water Rec. Screening Blow Description Sample ID Sample ID (feet) (ft) (ppm) Counts Dark grayish brown CLAY, little Silt, trace fine - medium sub-rounded - angular Gravel, cohesive, very stiff, moist, high 0.4 _21 plasticity, no odor. 22 0.4 5 23 24 0.5 25 Brown CLAY, little Silt, little fine Gravel, well-rounded Cobble at 31.4' bgs, cohesive, very stiff, dry - moist, medium - high 26 0.4 plasticity, no odor. 27 5 28 0.5 29 30. 0.4 Bentonite-Cemenet Grout (1-58' 31 bgs). 32. 0.7 5 Dusky red CLAY, little Silt, trace - little fine Gravel, increasing Clay content with depth, .33 moist - wet, high plasticity, no odor. 34. 0.5 35. Dusky red CLAY, little Silt, little fine Sand, trace - little fine subangular Gravel, in creasing Clay content with depth, cohesive, stiff, medium Plasticity, no odor. 36_ 0.5 37 Dusky red CLAY, little Silt, trace - little 5 rounded Gravel, cohesive, stiff, dry, medium 38 0.8 - high plasticity. 39. 40 0.6 Dusky red Silty CLAY, fine Sand at 41.2' bgs, cohesive, stiff, dry, medium - high plasticity. 5 0.5

Remarks:

Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88



Remarks: Horizontal survey in U.S. feet refrenced to Ohio State Plane North Zone. Elevations are in U.S. feet refrenced to NAVD88.

Brown medium - coarse SAND, trace - little fine rounded Gravel, increasing grain size with depth, dense, wet, no odor.

Brown fine - coarse GRAVEL, loose, wet,

PVC Sump

62 ft. bgs End of Boring

59.

60_

61

63

0.4

PROJECT: NSRC - East Palestine Derailment WELL / PROBEHOLE / BOREHOLE NC **Stantec** LOCATION: East Palestine, OH **SMW-05** PAGE 1 OF 1 PROJECT NUMBER: **172607922** NORTHING (ft): 432,046.38 EASTING (ft): 2,516,432.89 **DRILLING / INSTALLATION:** LAT: LONG: **2/19/23** COMPLETED: 2/19/23 STARTED TOC ELEV (ft): 1037.72 GROUND ELEV (ft): DRILLING COMPANY: Stantec Drilling INITIAL DTW (ft): Not Encountered WELL DEPTH (ft): 39.8 DRILLING EQUIPMENT: **TBD** STATIC DTW (ft): Not Encountered BOREHOLE DEPTH (ft): 40.0 DRILLING METHOD: Hollow Stem Auger WELL CASING DIA. (in): 2 BOREHOLE DIA. (in): 8.25 SAMPLING EQUIPMENT: 4.25" Hollow Stem Auger LOGGED BY: J. Bacon CHECKED BY: J. Griggs Sample Graphic Log Depth (feet) USCS Blow Count Depth (feet) Time Well Description Sample ID Construction 0.0 Black; moist; Brick, cobble, asphalt 2" diameter well 0.0 GP GRAVEL; GP; black; wet; angular; 0.5"-0.75" gravel 10 0.0 GP GRAVEL SOME CLAY; GP; black to gray; wet; angular; 0.5"-1" gravel; slight sulfur odor Portland Cement Grout 0.5'-25.5' 0.0 15 ML SILT; ML; greenish gray; wet; slurry with **PVC** riser 0.0'-29.8' 20 0.0 20

GEO FORM 304 LOG_NFS_SENTINEL_MW.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 3/22/23

25

30

35

CL

PROJECT: NSRC - East Palestine Derailment

LOCATION: East Palestine, OH PROJECT NUMBER: **172607922**

DRILLING / INSTALLATION:

STARTED **3/11/23** COMPLETED: 3/12/23

DRILLING COMPANY: HD Drilling DRILLING EQUIPMENT: **TBD** DRILLING METHOD: Roto-Sonic

SB-06/SMW-06 PAGE 1 OF 4

WELL / PROBEHOLE / BOREHOLE NC

NORTHING (ft): 432,120.39 LAT:

GROUND ELEV (ft): INITIAL DTW (ft): Not Encountered WELL DEPTH (ft): 78.0

WELL CASING DIA. (in): 2

EASTING (ft): 2,516,304.83

Stantec

LONG:

TOC ELEV (ft): 1038.00 STATIC DTW (ft): Not Encountered BOREHOLE DEPTH (ft): 78.0 BOREHOLE DIA. (in): **6.25**

Ŀ	SAMPLING	3 EQU	IPME	NT: Roto-Sonic	LC	OGGED BY: K.	Miller			CHECKED BY: J. Griggs			
	Depth (feet)	Graphic Log	nscs	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	C	Well onstruction	
	-			SAND TRACE SILT; 7.5YR 2.5/3 dark brown; medium to coarse-grained; loose; dry; (Fill)					6.1	X///X/		— 2" diameter well	
	-			No Recovery			1.5/5		0.1			—PVC riser 0.0'-68'	
	5			SAND TRACE SILT; 7.5YR 2.5/3 dark brown; medium to coarse-grained; loose; dry; brick fragment at 5.4'; (Fill) SAND; 5YR 2.5/1 black; medium to coarse-grained; loose; wet; slight odor; trace light gray nodules; (Fill)			1/1		0.6	5-			
	-			SAND LITTLE FINE GRAVEL; 5YR 2.5/1 black; medium to coarse-grained; loose; wet; angular; slight odor; (Fill)			1/1		0.5				
	-		ML	SILT SOME CLAY; ML; 10YR 4/2 very dark grayish brown; cohesive; low plasticity; soft; wet; no odor SAND LITTLE FINE GRAVEL; 5YR 2.5/1			1/1		0.8				
DI 3/22/23	10-			black; medium to coarse-grained; loose; wet; angular; slight odor; (Fill) Wood fragments 10.7'-11.0'			1/1		0.7	10-			
41E 010509.G	-		CL ML	SILTY CLAY LITTLE FINE SAND TRACE ROOTS; CL; 7.5YR 3/3 dark brown; cohesive; medium plasticity; very stiff; moist			1/1		0.9				
VIRO TEMPLA	-		CL CL	SILT LITTLE FINE SAND LITTLE CLAY; ML; 10YR 6/1 gray; non-cohesive; low plasticity; hard; dry; no odor CLAY TRACE SILT; CL; 10YR 6/1 gray;			1/1		0.6	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
GPJ STANTECEN	15-		CL	cohesive; medium plasticity; very stiff; dry CL; 10YR 4/4 dark yellowish brown to light gray; mottled; 13.3' to 14.0' CL; 5YR 8/6 yellow; loose; dry; small pockets of sand 13.4' to 14.0' CLAY WITH SILT TRACE FINE GRAVEL;					0.4	15-			
GEO FORM 304 LOG_NFS_SENTINEL_MW.GFJ STANTEC ENVIRO TEMPLATE 010509.GDT 3/22/23	-			CL; 10YR 4/4 dark yellowish brown; cohesive; medium plasticity; very stiff; dry; subangular; light gray mottling 14.7' to 15.0' CLAY TRACE FINE GRAVEL; CH; 10YR 4/2 dark grayish brown; cohesive; high plasticity; stiff; dry; no odor; small pocket of fine sand, loose, dry, yellow (10YR 7/8)			4/6		0.8				
GEO FORM 304 LOC	-			No Recovery									

