Appendix A Soil Boring Logs

TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A005
				PROJECT NAME:			LOCATION SKETCH
				PPG Site 065			
COMPLETION DATE:	TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	/2011 20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLEF	₹:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig Direct Push			
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?]
5' Sleeves, 1.25" ~ 1.6'		No					
МЕМО:							

DEPTH	RECOVERY	OVM			FIELD NOTES &	7
(Feet)	(feet)	(PPM)		BURMEISTER SYSTEM SOIL DESCRIPTION	SAMPLE SUMMARY	_0
_ _1		72.1 23.7	0.0 - 0.6	Dark Gray (2.5Y 4/1) fine SAND, little medium sand, loose, moist, strong solvent odor, wood fragments 0.5' - 0.6' (SP)	065_A005_0.0 (0.0' - 0.5')	_ _1
_		12.9	0.6 - 1.8	Very Dark Gray (2.5Y 3/1) coarse-fine SAND, some coarse-medium gray		_
_2		9.0		angular gravel & cobbles, little silt, medium-dense, moist, wet 1.6' - 1.8',		_2
_	<u>2.8</u>	13.1	4004	strong solvent odor (SW/SM)		_
_3	5.0			Very Dark Gray (2.5Y 3/1) medium-fine SAND, trace coarse sand, trace fine subround gravel, & silt, loose, moist-wet, strong solvent odor (SW/SP)		_3
4				Black (2.5Y 2.5/1) fine SAND, some coarse-medium sand & coarse-		4
			2.1 2.0	medium subangular-subround gravel (coal & slag), little silt, medium-dense,		-
_5				moist-wet, strong solvent odor (SW/SM)		_5
_				As Above (2.1' - 2.8'), Very Dark Gray (2.5Y 3/1) (SW/SM)	065_A005_5.0 (5.0' - 5.5')	1_
_6			5.7 - 6.6	Dark Grayish Brown (2.5Y 4/2) Silty fine SAND & coarse-fine subangular-		_6
		332.0	00.05	subround GRAVEL, very loose, wet, strong solvent odor (GM)		
_7	2.5	167.0 81.0	6.6 - 8.5	Dark Grayish Brown (2.5Y 4/2) Silty medium-fine SAND, little medium-fine subangular to subround gravel, loose, wet, slight solvent odor (SM)		_7
_ 8	<u>3.5</u> 5.0	25.3		Subangular to Subround graver, 1005e, wet, Siight Solvent Odor (Sivi)		_8
	0.0	9.1				
_9						_9
_						_
_10		7.0	10.0 10.0	A AL (0.01 0.51) L(0M)	205 4005 40 0 (40 0) 40 50	_10
_ _11		7.0 3.8		As Above (6.6' - 8.5'), no gravel (SM) Very Dark Grayish Brown (10YR 3/2) PEAT & SILT, very soft, moist,	065_A005_10.0 (10.0' - 10.5')	_ _11
-''		3.0	10.2 - 10.7	slight sulfurous odor (PT)	Fill/Native soil interface at	-''
_ 12			10.7 - 10.8	Dark Reddish Brown (2.5YR 3/4) Sandstone COBBLES (GP)	10.2'	_12
	<u>1.1</u>		10.8 - 11.1	Greenish Gray (GLEY2 6/5BG) Clayey fine-very fine SAND, little silt, moist,		
_13	5.0			soft, no odor (SC)		_13
						-,,
_14						_14
_ _15						_ _15
		3.1	15.0 - 15.3	Greenish Gray (GLEY2 6/5BG) CLAY, little silt, moderate plasticity, soft,	065_A005_15.0 (15.0' - 15.5')	1
_16		3.5		moist, no odor (CH)	,	_16
_		2.5	15.3 - 15.5	Gray (GLEY1 5/N) medium-fine SAND, little silt, medium-dense,	PID bkgd: 1.4 ppm	_
_17	0.0	1.6	45.5 40.0	moist-wet, no odor (SM)	(high humidity)	_17
_ 18	3.0 5.0	1.6 1.6		Reddish Brown (7.5YR 5/3) medium-fine SAND, trace coarse sand & fine subangular gravel, wet, loose, no odor (SW), Transitions to Reddish Brown	065 A005 17.5 (17.5' - 18.0')	- 18
-10	3.0	1.0		(5YR 4/4) SILT, little very fine sand & coarse-fine red siltstone gravel,	000_A000_11.0](11.0 - 10.0)	-'0
_ _19				trace coarse-fine greenish gray subround gravel, stiff, dry, no odor (ML)		_19
_						
_20			<u> </u>			_20
			End of Bori	ing at 20' bgs.		-
_21						_21
						_ 22
_23						_23
						_
_24						_24
_ _25						_ _25
_20	l	l	<u> </u>			∠၁

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TETRA TECH G		CH GEO	PROJECT NO.: 117-0509160.02		Boring No: 065_A006		
	J				PROJECT NAME: PPG Site 065		LOCATION SKETCH
COMPLETION DATE:	TOTAL DE	TOTAL DEPTH OF BOREHOLE:		MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20	20		PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	₹:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig	Direct Push		
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25"		~ 2.0'				No	
МЕМО:							

DEPTH	RECOVERY	OVM			FIELD NOTES &	1
(Feet)	(feet)	(PPM)		BURMEISTER SYSTEM SOIL DESCRIPTION	SAMPLE SUMMARY	_0
_		738.0	0.0 - 0.3	Gray (2.5Y 5/1) fine SAND, little medium sand, some light greenish gray	065_A006_0.0 (0.0' - 0.5')	1_
_1		1060.0		sandstone cobbles & coarse-medium sand, loose, moist (SP)		_1
_			0.3 - 1.5	Very Dark Gray (GLEY1 3/N) coarse-medium angular GRAVEL & COBBLES,		
_2	4.0	1826.0	1.5 - 2.0	some coarse-fine sand, trace silt, dense, moist (GW)	Strong solvent odor in 0' - 5' interval	_2
_ _3	<u>4.3</u> 5.0		2.0 - 3.2	Black (2.5Y 2.5/1) medium-fine SAND, wet, loose (SW) Dark Grayish Brown (10YR 4/2) coarse-fine SAND, little silt & coal, little	in 0 - 5 interval	_ _3
_3	5.0	124.0	2.0 - 3.2	ang. medium-fine gravel, trace slag, wet, loose, slight sheen (SW)		_3
4			3.2 - 3.5	Red (2.5YR 4/6) coarse-fine angular sandstone GRAVEL, some coarse-	065 A006 3.8 (3.8' - 4.2')	_4
				medium SAND, loose, wet, slight sheen (GW)	(gravel at 4.3')	
_5			3.5 - 4.3	Dark Grayish Brown (10YR 4/2) Silty CLAY, little fine sand & fine	,	_5
_		17.1		subround gravel, firm, moist (OH), Transitions to Dark Gray		1_
_6		20.9		(5Y 4/1) Silty very fine SAND, little clay, loose, moist (SM)		_6
			50 6.3	Dark Grayish Brown (10YR 4/2) Silty medium-fine SAND, some medium-fine		
_7	4.0	10.5	00.00	subround-subangular sandstone gravel, firm, moist-wet (SM)	Slight solvent odor	_7
_ _8	<u>4.0</u> 5.0	13.2 9.1	6.3 - 6.9	Strong Brown (7.5YR 5/6) SILT, some fine sand, little coarse-fine subround- subangular sandstone gravel, firm, moist-wet (ML)	in 5' - 10' interval	_ _8
_6	5.0		6.9 - 8.7	Dark Grayish Brown (2.5Y 4/2) Silty fine SAND, little medium sand, trace		-0
9		7	0.5 0.7	coarse-medium round gravel, medium-dense, moist-wet (SM)	065 A006 8.2 (8.2' - 8.7')	_9
			8.7 - 9.0	White (GLEY1 8/N) coarse GRAVEL & COBBLES (gneiss), pulverized	(cobbles 8.7' - 9', fill/native	
_10				(from drilling) fine sand, loose, dry, no odor (GP)	soil interface btw 9'-10')	_10
_		16.9	10.0 - 11.7	Very Dark Grayish Brown (10YR 3/2) PEAT, little silt, very soft, moist,]_
_11		55.7		slight sulfurous odor (PT)	PID bkgd: 0.7 ppm	_11
-		34.4	44 7 40 0	0 110 (015)0 5/500) 01/4 014)	(high humidity)	-
_12	2.2	0.8	11.7 - 12.2	Greenish Gray (GLEY2 5/5BG) Silty CLAY, trace very fine sand & fine subround gravel 12.1' - 12.2', soft, moderate palsticity, moist, no odor (CH)	065_A006_11.7 (11.7' - 12.2')	_12
_ _13	<u>2.2</u> 5.0			subround graver 12.1 - 12.2, Soft, moderate paisticity, moist, no odor (Ch)		_ _13
_10	0.0					-'0
_ _14						14
_						
_15					_	_15
		0.7	15.0 - 15.5	Grayish Brown (10YR 5/2) Silty fine-very fine SAND, little medium sand,	065_A006_15.0 (15.0' - 15.5')	
_16				very loose, wet, no odor (SM)	DID II I O 7	_16
					PID bkgd: 0.7 ppm	-
_17	0.5					_17
_ _18	5.0					_ _18
	0.0					
_19						_19
_						_
_20						_20
			End of Bor	ing at 20' bgs.		
_21						_21
_ 22						22
23						_23
_24						_24
_						_
_25						_25

_							
TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A007
				PROJECT NAME: PPG Site 065		LOCATION SKETCH	
COMPLETION DATE:	E: TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20		PID MiniRAE 2000		Jim M. / Whitehouse Station		
DRILLING CONTRACTOR	/ DRILLER	l:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig	Direct Push		
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25"		~ 1.5'				No	
МЕМО:							

DEPTH	RECOVERY	OVM		DUDMEISTED SVETEM SOULDESCRIPTION	FIELD NOTES &	1
(Feet)	(feet)	(PPM)		BURMEISTER SYSTEM SOIL DESCRIPTION	SAMPLE SUMMARY	_0
_		40.7	0.0 - 0.4	Dark Brown (7.5YR 3/2) fine SAND, little medium sand, moist, loose,	065_A007_0.0 (0.0' - 0.5')	_
_1		12.9 73.6	0.4 - 1.8	wood fragments at 0.4' (SP) Black (2.5Y 2.5/1) medium-fine SAND grading into coarse-fine SAND, some		_1
2		865.0	0.4 - 1.0	coarse-fine angular gray gravel & cobbles, trace silt & coal, moist, wet 1.5' -	Strong solvent odor	_2
	3.6	625.0		1.8', sheen/staining 1.5' - 1.8' (SW)	in 0' - 5' interval	_
_3	5.0		1.8 - 2.1	Brown (10YR 4/3) SILT, some fine sand, little medium sand, stiff, moist (ML)		_3
		129.0	2.1 - 3.6	Black (2.5Y 2.5/1) medium-fine SAND, some gravel, little silt, wet, loose,	065_A007_3.1 (3.1' - 3.6')	
_4			3.3 - 3.6	little white (2.5Y 8/1) silty clay stringers, silty clay 3' - 3.3' (SM/CL) Dark Gray (5Y 4/1) medium-fine SAND, little silt & gray angular gravel,		_4
_ _5			3.3 - 3.0	loose, wet, slight staining (SM)		_ _5
		13.7	5.0 - 7.4	Black stained (2.5Y 2.5/1) medium-fine SAND, little coarse-fine angular to	Slight solvent odor	
_6		14.0		subround gravel, trace coal, slag, & glass, white silty clayey medium-fine	in 5' - 10' interval	_6
		5.0		sand at 6.5', less staining 5.8' - 6.5' (Dark Gray 5Y 4/1) (SP/SW)		
_7	2.4	4.6			065_A007_6.9 (6.9' - 7.4')	_7
_ 8	<u>2.4</u> 5.0					_ _8
_					Fill/native soil interface	
_9					between 7.4' - 10', not	_9
_					recovered	-
_10		5.1	10.0 - 11.6	Very Dark Grayish Brown (10YR 3/2) PEAT, little silty clay, very soft, moist,		_10
_ _11		32.8	10.0 - 11.0	strong sulfurous odor (PT)		_11
_		31.0		3		_
_12		0.7	11.6 - 11.9	Greenish Gray (GLEY2 5/5BG) CLAY, soft, moist, moderate plasticity,	065_A007_11.0 (11.0' - 11.5')	_12
_	<u>1.9</u> 5.0			no odor (CH)		
_13	5.0					_13
_ _14						_ _14
_						
_15						_15
_ 16		0.7 1.2	15.0 - 15.9	As Above (11.6' - 11.9'), Transitions into fine-very fine sand, little clay (CL)	065_A007_15.0 (15.0' - 15.5')	_ _16
_16		1.3	15 9 - 18 4	Brown (7.5YR 5/3) medium-fine SAND, trace coarse sand & fine subangular		_16
_ _17		1.5	10.0 10.1	gravel, loose, wet, no odor (SW), Transitions to Reddish Brown (5YR 4/4)	PID bkgd: 0.7 to 1.3 ppm	_ _17
_	<u>3.4</u>	1.3		SILT, little very fine sand & coarse-fine red sandstone gravel, stiff, moist-	(high humidity)	_
_18	5.0	1.3		dry, no odor (ML)		_18
						_ _19
_19						-19
_20						_ _20
_			End of Bor	ing at 20' bgs.		_
_21						_21
						22
_23						_23
_						_
_24						_24
_ 25						_ 25
_25		l .				20

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TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A008
			PROJECT NAME: PPG Site 065		LOCATION SKETCH		
COMPLETION DATE:	TOTAL DEPTH OF BOREHOLE:			MONITORING DEVIC	E:	GEOLOGIST / OFFICE:	
8/1/2011	1/2011 20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	₹:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:		1	
EPI \ AJ Benjamin			Geoprobe Track	Rig Direct Push			
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	1
5' Sleeves, 1.25" ~ 1.3'				No			
MEMO:							

DEPTH RECOVERY Green G	0.5')
1	5.5')6 7 7.5')8 9 10
269.0	
116.0	
Slight solvent odor Slight solvent odor Slight solvent odor In 0' - 5' interval	
20.7 loose, wet, faint sheen, staining (SP/OH) 2.1 - 2.5 As Above (1.4' - 1.8') (GW) 2.5 - 3.7 Dark Gray (5Y 4/1) Silty CLAY, soft, moist-wet (OH), Transitions to Olive Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP) 14.4 5.0 - 5.5 Olive Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP) 5.5 - 7.5 Grayish Brown (2.5Y 5/2) Silty fine SAND, little medium sand & coarse-fine angular gray gravel, trace clay, very loose, wet (SM) Slight solvent odor in 5' - 10' interval 065_A008_7.0 (7.0' - 2.5	4 5 5.5')6 7 7.5')8 9 10
2.1 - 2.5	7.5')
2.5 - 3.7 Dark Gray (5Y 4/1) Silty CLAY, soft, moist-wet (OH), Transitions to Olive Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP) 14.4 5.0 - 5.5 Olive Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP) 4.8 5.5 - 7.5 Grayish Brown (2.5Y 5/2) Silty fine SAND, little medium sand & coarse-fine angular gray gravel, trace clay, very loose, wet (SM) Slight solvent odor in 5' - 10' interval 065_A008_7.0 (7.0' - 2.5 5.0) 5.0 Fill/native soil interface between 7.5' - 10', not recovered 9.6 10.0 - 10.7 Dark Grayish Brown (10YR 4/2) PEAT, little silty clay, very soft, moist, strong sulfurous odor (PT) 10.7 - 10.8 Black (2.5Y 2.5/1) coarse angular GRAVEL (GP) 10.8 - 10.9 Greenish Gray (GLEY2 6/5BG) coarse-medium SAND, little silt & gray	7.5')
Gray (5Y 4/2) fine SAND, little medium sand, loose, wet (SP) 14.4 4.8 5.0 - 5.5 Grayish Brown (2.5Y 5/2) Silty fine SAND, little medium sand & coarse-fine angular gray gravel, trace clay, very loose, wet (SM) Slight solvent odor in 5' - 10' interval 065_A008_7.0 (7.0' - 2.5 5.0) Slight solvent odor in 5' - 10' interval 065_A008_7.0 (7.0' - 2.5 5.0) Fill/native soil interface between 7.5' - 10', not recovered 9.6 10.0 - 10.7 Dark Grayish Brown (10YR 4/2) PEAT, little silty clay, very soft, moist, strong sulfurous odor (PT) 10.7 - 10.8 Black (2.5Y 2.5/1) coarse angular GRAVEL (GP) 10.8 - 10.9 Greenish Gray (GLEY2 6/5BG) coarse-medium SAND, little silt & gray	5.5')
4.8 3.1 4.3 3.1 4.3 5.5 - 7.5 Grayish Brown (2.5Y 5/2) Silty fine SAND, little medium sand & coarse-fine angular gray gravel, trace clay, very loose, wet (SM) Slight solvent odor in 5' - 10' interval 065_A008_7.0 (7.0' - 2.5 5.0 5.0 5.0 65_A008_7.0 (7.0' - 2.5 6.0 6.0 65_A008_7.0 (7.0' - 2.5 6.0 6.0 6.0 6.0 6	5.5')
Slight solvent odor in 5' - 10' interval	7.5')
	7.5')
	7.5')
	8 9 10
between 7.5' - 10', not recovered	
between 7.5' - 10', not recovered	
9.6 10.0 - 10.7 Dark Grayish Brown (10YR 4/2) PEAT, little silty clay, very soft, moist, strong sulfurous odor (PT) 10.7 - 10.8 Black (2.5Y 2.5/1) coarse angular GRAVEL (GP) 10.8 - 10.9 Greenish Gray (GLEY2 6/5BG) coarse-medium SAND, little silt & gray	
_ 10.7 - 10.8 Black (2.5Y 2.5/1) coarse angular GRAVEL (GP) _12 10.8 - 10.9 Greenish Gray (GLEY2 6/5BG) coarse-medium SAND, little silt & gray	40.01
12	- 10.9') _11
	-
Subangular sandstone graver, roose, moist, no odor (Sivi)	_12
_13 5.0	13
_14	_14
	_ _15
15	
16 0.4 odor (SC), Transitions into Silty medium-fine SAND, trace clay,	
17	_17
L 4.1 0.2 to red-brown), stiff, moist, no odor (ML) (high humidity)	_ _18
	_10
	_19
	_
_20 End of Poring at 20' lags	_20
_ End of Boring at 20' bgs.	_ _21
	_22
	- <u>,</u> ,
	_23
	_
_25	_25

TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A009
			PROJECT NAME: PPG Site 065		LOCATION SKETCH		
COMPLETION DATE:	TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20			PID MiniRAE 2000 J		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig Direct Push			
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?]
5' Sleeves, 1.25" ~ 1.8'				No			
МЕМО:							

DEPTH	RECOVERY	OVM			FIELD NOTES &	7
(Feet)	(feet)	(PPM)		BURMEISTER SYSTEM SOIL DESCRIPTION	SAMPLE SUMMARY	_0
_ _1		480.0 1883.0	0.0 - 0.4	Grayish Brown (2.5Y 5/2) fine SAND & coarse gray angular GRAVEL, little fine gray angular gravel, trace silt, loose, dry (GP)	065_A009_0.0 (0.0' - 0.5')	_ _1
_'			0.4 - 0.7	Black (2.5Y 2.5/1) coarse-medium angular GRAVEL some medium-		Ε.
_2		940.0		fine sand, little coal & slag, medium dense, moist (GW)		_2
	<u>2.5</u>	475.0	0.7 - 1.0	Black (2.5Y 2.5/1) medium-fine SAND, little slag & coal, medium-	065_A009_2.0 (2.0' - 2.5')	
_3	5.0		1.0 - 1.8	dense, moist (SW) Black (2.5Y 2.5/1) coarse-medium & medium-fine gravel (coal & slag),	Strong solvent odor	_3
_ 4				little fine sand, medium-dense, wet at 1.8', slight staining/sheen (SW)	in 0' - 5' interval	- 4
			1.8 - 2.5	Gray (2.5Y 6/1) medium SAND, little fine sand, trace coarse sand & fine	in o o interval	I .
_ _5				angular gravel, loose, moist-wet (SW)		_5
_			5.0 - 5.2	Yellowish Red (5YR 5/6) subround sandstone COBBLES, some Dark Gray		_
_6		2.6 2.9	5.2 - 6.1	(2.5Y 4/1) Clayey SILT, medium-dense, moist, slight sulfurous odor (GM) As Above (1.8' - 2.5'), no odor (SW)	065 A009 6.0 (6.0' - 6.5')	_6
_ _7		_	6.1 - 6.5	Black (2.5Y 2.5/1) coarse-medium GRAVEL & COBBLES (coal), some	065_A009_6.0 (6.0 - 6.5)	_ _7
	<u>1.5</u>		0	wood fragments, loose, dry, no odor (GW)		
8	5.0					_8
_						_
_9						_9
_ 10						10
_			10.0 - 15.0	No Recovery	No sample - no recovery	
_11						_11
-						
_12	0.0					_12
_ _13	5.0					_13
_						
_14						_14
						_ _15
_15		0.0	15.0 - 17.6	Gray (2.5Y 2.5/1) SILT, some very fine sand, little subround coarse-medium	065 A009 15.0 (15.0' - 15.5')	-13
_ _16		0.0	10.0 17.0	gravel & cobbles, stiff, dry, no odor (ML), Transitions into Brown (10YR 5/3)	(10.0)	16
_		0.0		SILT, little very fine sand & medium-fine subround-subangular gray gravel,		
_17		0.0		some coarse-fine gray gravel 16.9' - 17.2' (moist-wet), stiff, dry, no odor (ML)		_17
_ _18	<u>2.6</u> 5.0	0.0				_ _18
_10	5.0					-10
_ _19						_19
_						_
_20			Ford of F	in a st 001 have		_20
_ _21			End of Bori	ing at 20' bgs.		_ _21
						-41
_ _22						_22
_						_
_23						_23
_ 24						_ 24
						-24
_ _25						_25

_							
TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A010
				PROJECT NAME: PPG Site 065		LOCATION SKETCH	
COMPLETION DATE:	: TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin		_	Geoprobe Track	Rig	Direct Push		
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25"		~ 5'				No	
МЕМО:							

DEPTH	RECOVERY	OVM	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES &	1
(Feet)	(feet)	(PPM)	0.0 - 0.2 White concrete cobbles, loose, dry (SP)	SAMPLE SUMMARY 065 A010 0.0 (0.0' - 0.5')	_0
_ _1			0.2 - 0.8 Dark Grayish Brown (2.5Y 4/2) fine SAND, little medium sand & medium-	003_A010_0.0 (0.0 - 0.3)	_1
_ _2			fine slag gravel, trace coal fragments, loose, dry, no odor (SP)	PID not working - lamp issue	2
_	0.8			Tib flot working famp 10000	_
_3	5.0				_3
_4					_4
_5			5.0 - 5.2 Black (2.5Y 2.5/1) medium-fine SAND, little slag & coal gravel, little silt,	065_A010_5.0 (5.0' - 5.5')	_5
_ _6			loose, wet, no odor (SM)	005_A010_5.0](5.0 - 5.5)	_ _6
_ _7			5.2 - 5.9 Brown (7.5YR 5/4) SILT, little fine sand, little gray & red subround fine gravel, stiff, dry-moist, no odor (ML)		_ _7
_ _8	<u>0.9</u> 5.0				_ _8
_ _9					_ _9
_ _10					_ _10
_ _11			10.0 - 15.0 No Recovery	No sample - no recovery	_ _11
_ _12					_ _12
_ _13	<u>0.0</u> 5.0				_ _13
_ _14					_ _14
_ _15					_ _15
_ _16			15.0 - 15.3 Brown (7.5YR 4/4) SILT, little very fine sand & subround gray & red gravel, stiff, dry, no odor (ML)	065_A010_15.0 (15.0' - 15.5')	_ _16
_ _17			15.3 - 17.6 Grayish Brown (10YR 5/2) grading to Brown (7.5YR 5/2) SILT, little very fine sand & medium-fine subround-subangular gray gravel, stiff, dry-moist,		_ _17
_ _18	<u>2.6</u> 5.0		no odor (ML)		_ _18
_ _ _19					_ _ _19
_ _20					
_ _ _21			End of Boring at 20' bgs.		
_ _ _22					
_ _ _23					_ _ _23
					24

_							
TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A011
			PROJECT NAME: PPG Site 065		LOCATION SKETCH		
COMPLETION DATE:	DATE: TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
7/28/2011	20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	l:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ Bob Fleming			Geoprobe Track	Rig	Direct Push		
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25" ~ 2.3'		No		No			
МЕМО:							

DEPTH	RECOVERY	OVM		BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES &	1
(Feet)	(feet)	(PPM)			SAMPLE SUMMARY	_0
_ _1		0.0 0.4	0.0 - 0.5	Gray (GLEY1 6/N) coarse-fine angular GRAVEL, some medium-fine Dark Grayish Brown (2.5Y 4/2) sand, loose, dry, no odor (GW)	065_A011_0.0 (0.0' - 0.5')	_ _1
-'		3.5	0.5 - 1.1	Dark Gray (2.5Y 4/1) medium SAND, little fine sand & medium-fine gray		-'
_2		5.2		angular gravel & coal, loose, moist, no odor (SP)		_2
_	<u>2.8</u>		1.1 - 1.7	Black (2.5Y 2.5/1) medium-fine SAND, little coarse subround slag sand &		_
_3	5.0	0.3	1.7 - 2.1	medium-fine slag gravel, little coal, loose, moist, no odor (SW) Yellowish Brown (10YR 5/4) coarse-medium SAND & coarse-fine subround		_3
_4			1.7 - 2.1	quartz GRAVEL, loose, moist, no odor (GW)		_4
_			2.1 - 2.8	Dark Gray (10YR 4/1) Silty medium-fine SAND, little subround-subangular		
_5		0.0	5.0 - 5.2	gray gravel, trace slag & coal, loose, wet at 2.3', no odor (SM)	005 4044 5.0 (5.0) 5.51	_5
_ _6		0.0	5.0 - 5.2 5.2 - 5.7	As Above (2.1' - 2.8'), wet (SM) Olive Gray (5Y 5/2) SILT, some very fine sand, little clay, firm, moist-wet,	065_A011_5.0 (5.0' - 5.5')	_ _6
_		0.0	0.2 0	no odor (ML)		_
_7		0.0	5.7 - 6.8	Reddish Brown (5YR 4/3) Silty fine SAND, little medium sand & clay, trace		_7
- 8	<u>2.1</u> 5.0		6.8 - 7.1	fine red subround sandstone gravel, dense, moist-wet, no odor (SM) As Above (5.2' - 5.7')		_ _8
	5.0		0.0 - 7.1	110110010 (0.2 - 0.1)		
_9						_9
_						- 10
_10		0.6	10.0 - 10.5	As Above (5.2' - 5.7'), but Silty CLAY with trace very fine sand, soft, wet,	065_A011_10.0 (10.0' - 10.5')	-10
11		2.6		Brown (10YR 5/3) mottling slight sulfurous odor (CH or OH)	(1010)	_11
		5.0	10.5 - 12.9	Very Dark Grayish Brown (10YR 3/2) PEAT, some Very Dark Gray (5Y 3/1)	Fill/native soil interface	
_12	2.9	6.8 4.9		Silty CLAY, soft, moist, strong sulfurous odor (PT)	at 10.5'	_12
_ _13	5.0	3.7				_ _13
_						_
_14						_14
_ _15						_ _15
_		0.0	15.0 - 18.5	Gray (2.5Y 5/1) Clayey fine SAND, little silt, loose, moist-wet, slight sulfurous	065_A011_15.0 (15.0' - 15.5')	
_16		0.0		odor (SC), Transitions into Reddish Brown (5YR 4/3) SILT, little fine gravel,		_16
_ _17		0.0		trace medium gravel, stiff, moist, no odor (ML)		_ _17
	3.5	0.0				L.,
_18	5.0	0.0				_18
_ _19		0.0			065_A011_18.0 (18.0' - 18.5')	_ _19
_19						_19
_20						_20
_ 21			End of Bor	ing at 20' bgs.		_ 21
1						
_22						_22
_23						_23
_24						_ _24
_25						_25

_			~			-00	
TETRA TECH GEO			CH GEO	PROJECT NO.: 117-0509160.02		Boring No: 065_A012	
			PROJECT NAME: PPG Site 065		LOCATION SKETCH		
COMPLETION DATE:	DATE: TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	l:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig Direct Push			
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	1
5' Sleeves, 1.25" ~ 2.0'				No			
МЕМО:]

DEPTH	RECOVERY	OVM		DUDUTIONED OVATEN CON DECODIFICAL	FIELD NOTES &	7
(Feet)	(feet)	(PPM)		BURMEISTER SYSTEM SOIL DESCRIPTION	SAMPLE SUMMARY	_0
_		0.0	0.0 - 0.8	Very Dark Gray (10YR 3/1) fine SAND, trace silt, little coarse-fine gray	065_A012_0.0 (0.0' - 0.5')	
_1		0.0 0.0	0.8 - 1.6	subangular gravel, loose, dry, no odor (SP) Very Dark Gray (10YR 3/1) to Yellowish Brown (10YR 5/4) medium-fine		_1
_2		0.0	0.00	SAND, little coarse-medium yellowish brown gravel, medium-dense, moist,		_2
	<u>2.3</u>			no odor (SW)		
_3	5.0		1.6 - 2.3	Olive Gray (5Y 4/2) to Black (5Y 2.5/1) Silty medium-fine SAND, some wood fragments, loose, moist-wet, wet at 2', no odor (SW)		_3
_ _4				riaginants, 1000s, moist wet, wet at 2, no odd (OW)		_4
_5		0.0	5.0 - 5.3	Reddish Brown (2.5Y 5/3) coarse-medium angular brick GRAVEL, some	065_A012_5.0 (5.0' - 5.5')	_5
_ _6		0.0	3.0 - 3.3	Black (2.5Y 2.5/1) medium-fine sand, little slag (coarse sand & fine gravel),	000_A012_0.0 (0.0 - 0.0)	_ _6
_		0.0		loose, wet, no odor (GW)		_
_7		0.0	5.3 - 6.1	Olive (5Y 5/3) Clayey medium-fine SAND, little silt, loose, moist-wet,		_7
_ 8	1		6.1 - 6.9	no odor (SC) Grayish Brown (10YR 5/2) Clayey medium-fine SAND, little silt & coarse		_8
_				sand, trace medium-fine angular gravel, loose, wet, no odor (SC)		
_9						_9
10						10
_		8.1	10.0 - 10.3	Gray (2.5Y 5/1) medium-fine SAND & coarse-fine subround gravel, loose,	065_A012_10.0 (10.0' - 10.5')	1_
_11		27.0 77.1	10 2 12 2	dry-moist, no odor (GW)		_11
_ 12		6.9	10.5 - 15.5	Very Dark Grayish Brown (10YR 3/2) PEAT, little Dark Gray (2.5Y 4/1) Silty CLAY, soft, moist, strong sulfurous odor (PT)		12
_	<u>3.3</u>	42.7		- , - , - , - , - , - , - , - , - , - ,		
_13	5.0	24.8				_13
_ _14						14
_						
_15		0.0	45.0 45.0	One (O.EV. E/A) City and discrete CAND, little along the control of (OM)	005 4040 45 0 (45 0) 45 5)	_15
_ 16		0.0 0.0	15.0 - 15.9	Gray (2.5Y 5/1) Silty medium-fine SAND, little clay, loose, wet, no odor (SM)	065_A012_15.0 (15.0' - 15.5')	16
_		0.2	15.9 - 16.4	Gray (5Y 5/1) Sandy CLAY, some silt, soft, low plasticity, moist-wet, no		
_17	4.0	0.1	40.4.40.0	odor (CL)		_17
_ _18	<u>4.0</u> 5.0	0.0 0.0	16.4 - 19.0	Reddish Brown (5YR 4/4) SILT, little medium-fine subround red gravel, little clay & very fine sand, stiff, firm 18' - 19', dry-moist, moist-wet 18' - 19', no		_ _18
_		0.0		odor (ML)		
_19		0.0			065_A012_18.5 (18.5' - 19.0')	_19
_ _20						_ 20
			End of Bor	ing at 20' bgs.		_
_21						_21
- 22						_ 22
_23						_23
_ 24						_ 24
_25						_25

			~ .			-00	
TETRA TECH GEO			PROJECT NO.: 117-0509160.02 PROJECT NAME: PPG Site 065		Boring No: 065_A013		
					LOCATION SKETCH		
COMPLETION DATE:	TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
7/28/2011	20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	R / DRILLER	l:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ Bob Fleming			Geoprobe Track	Rig Direct Push			
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25"	5' Sleeves, 1.25" ~ 3.5'		No		No		
МЕМО:							

DEPTH	RECOVERY	OVM		DUDMEIOTED OVOTEM COIL DECODIDATION	FIELD NOTES &	
(Feet)	(feet)	(PPM)		BURMEISTER SYSTEM SOIL DESCRIPTION	SAMPLE SUMMARY	_0
_		0.0		Light Brownish Gray (2.5Y 6/2) fine SAND, little medium sand & coarse-fine	065_A013_0.0 (0.0' - 0.5')	
_1		0.0		ight gray gravel, loose, dry, no odor (SP) Very Dark Gray (2.5Y 3/1) medium-fine SAND & medium-fine GRAVEL	trace COPR noted 0.1' - 0.5'	_1
_2		0.0		(coal & slag), trace metal fragments & glass, loose,		_2
_	<u>4.1</u>	0.0	n	moist-dry, moist-wet at 3.5', no odor (SW)		_
_3	5.0	0.0	05 00 5	Deals Ones (40)/D 4/4) OHT come for cond little subsequences for		_3
4		0.0		Dark Gray (10YR 4/1) SILT, some fine sand, little subangular coarse-fine gravel. Stiff, moist, no odor (ML)		_ 4
		0.0		Brown (7.5YR 4/2) medium SAND, little fine sand, coarse sand, & medium-		
_5				fine subround gravel, medium-dense, moist-wet, no odor (SW)		_5
_ 6		0.0		As Above (3.5' - 4.1') but Silty, wet, no odor (SM) Very Dark Gray (10YR 3/1) Silty medium-fine SAND, some coarse-fine	065_A013_5.0 (5.0' - 5.5')	_ _6
_0		0.0		angular gravel (coal), trace slag, trace silty clay in small 1" seams, loose,		
_7		0.0	v	wet, no odor (SM)		_7
_ 8	<u>3.3</u> 5.0	0.0				_ _8
_0	5.0	0.0				_0
_9						_9
_ 10						- 10
_10		0.0	10.0 - 10.5 A	As Above (5.7' - 8.3')	065_A013_10.0 (10.0' - 10.5')	_10
_11		25.1		Very Dark Grayish Brown (10YR 3/2) PEAT & Dark Olive Gray (2.5Y 3/2)	Fill/native soil interface	_11
_ 12		11.0 27.0	C	clay, little silt, soft, moist, strong sulfurous odor (PT/OH)	at 10.5'	_ _12
_12	2.7	140.0				-12
_ _13	5.0	126.0				_13
						- 14
_14						-14
_ _15					_	_ _15
-		54.6	15.0 - 15.9 A	As Above (10.5' - 12.7')	065_A013_15.0 (15.0' - 15.5')	-40
_16		42.2 22.4	15.9 - 17.5	Grayish Brown (2.5Y 5/2) grading to Greenish Gray (GLEY2 6/5BG) clayey		_16
_ _17		7.9		SILT, some very fine SAND, soft, moist-wet, slight sulfurous odor (ML),		_ _17
_	<u>2.5</u>	0.6		Transitions to Brown (10YR 4/3) SILT, some fine sand, little red medium-	065_A013_17.0 (17.0' - 17.5')	-
_18	5.0		TI TI	ine sand, firm, moist, no odor (ML)		_18
_ _19						_ _19
						-
_20			End of Borin	ng at 20' bgs.		_20
_ _21				.5 4. 20 450.		_21
_						_
_22						_22
_ _23						_ _23
_24						_24
_ _25						_ _25

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772	TETRA TECH GEO				PROJECT NO.: 117-0509160.02		Boring No: 065_A014
			PROJECT NAME: PPG Site 065		LOCATION SKETCH		
COMPLETION DATE:	TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20			PID MiniRAE 2000		Jim M. / Whitehouse Station	
DRILLING CONTRACTOR	/ DRILLER	t:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig Direct Push			
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25" ~ 2.2'		No		No			
МЕМО:							

DEPTH	RECOVERY	OVM	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES &	1
(Feet)	(feet)	(PPM)		SAMPLE SUMMARY	_0
_ _1		0.0 0.0	0.0 - 1.1 Grayish Brown (2.5Y 5/2) fine SAND, little medium-fine angular gray gravel, trace silt, (SP)	065_A014_0.0 (0.0' - 0.5') Trace COPR noted 0.2' - 1.5'	_ _1
_'		0.0	1.1 - 1.3 Yellowish Brown (10YR 5/6) fine SAND, little medium sand & fine angular	Trace COT IC floted 0.2 - 1.5	
_2		0.0	gray gravel, trace slag, dry, loose, no odor (SP)	065_A014_1.5 (1.5' - 2.0')	_2
_	<u>4.3</u>	0.0	1.3 - 3.4 Very Dark Gray (10YR 3/1) fine SAND & medium-fine GRAVEL (slag & coal),		_
_3	5.0	0.0 0.0	little gray coarse-fine angular gravel, moist, moist-wet 2.2' - 3.4', no odor (GW 3.4 - 4.3 Brown (10YR 4/3) coarse-fine SAND, little gray round cobbles, trace silt,	'	_3
_ _4		0.0	medium-dense, moist-wet, no odor (SW)		_4
_5		0.0	5.0 - 5.5 As Above (3.4' - 4.3') but some silt, trace coal (SM)		_5
_ _6		0.0	5.5 - 6.3 Dark Gray (10YR 4/1) Silty medium-fine SAND, little coarse sand & medium-	065_A014_5.5 (5.5' - 6.0')	_ _6
_		0.0	fine subround gray gravel, medium-dense, moist-wet, no odor (SM)	,	
_7	2.0	0.0	6.3 - 7.0 Very Dark Gray (10YR 3/1) medium-fine SAND, little medium subround		_7
- 8	<u>2.0</u> 5.0		gray gravel, little slag, trace coal & silt, loose, moist-wet, no odor (SW/SP)		_ _8
_					_
_9					_9
- 10					10
		0.0	10.0 - 10.7 As Above (6.3' - 7'), some silt (SM)		
_11			10.7 - 12.3 Very Dark Grayish Brown (10YR 3/2) PEAT, some Dark Olive Gray (2.5Y 3/2)	`	_11
- 12		60.6 121.0	clay, little silt, soft, moist, strong sulfurous odor (PT)	Fill/native soil interface at 10.7'	_ _12
_12	2.3	121.0		at 10.7	-12
_13	5.0				_13
_14					_14
_ _15					_ _15
_		84.4	15.0 - 16.9 As Above (10.7' - 12.3')	065_A014_15.0 (15.0' - 15.5')	_
_16		61.3 393.0			_16
_ _17		0.2	16.9 - 17.2 Light Gray (GLEY1 7/N) coarse-medium SAND & coarse-fine subround		_17
	2.2		sandstone GRAVEL, loose, moist, no odor (GW)	065_A014_16.7 (16.7' - 17.2')	
_18	5.0				_18
_ _19					_ _19
_					_
_20	-		End of Boring at 20' bgs.		_20
- 21			End of Borning at 20 logs.		_ 21
_22					_22
_ _23					
_24					_24
_ 25					_ 25
_23	<u> </u>	l			∠ე

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TETRA TECH GEO					PROJECT NO.: 117-0509160.02		Boring No: 065_A015
			PROJECT NAME: PPG Site 065		LOCATION SKETCH		
COMPLETION DATE:	E: TOTAL DEPTH OF BOREHOLE:			MONITORING DEVICE:		GEOLOGIST / OFFICE:	
8/1/2011	20		PID MiniRAE 2000		Jim M. / Whitehouse Station		
DRILLING CONTRACTOR	/ DRILLER	l:	DRILLING EQUIPMEN	T: DRILLING METHOD / BIT:			
EPI \ AJ Benjamin			Geoprobe Track	Rig	Direct Push		
SAMPLING METHOD:		DEPTH TO GRO	UNDWATER	GROUND SURFACE	ELEVATION:	WELL INSTALLED?	
5' Sleeves, 1.25"		~ 2.4'				No	
МЕМО:							

DEPTH	RECOVERY	OVM		BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES &	1
(Feet)	(feet)	(PPM)			SAMPLE SUMMARY	_0
		0.0	0.0 - 0.3 0.3 - 1.2	Asphalt Dary Gravish Brown (2.5Y 4/2) fine SAND, little medium sand & coarse-fine	065_A015_0.0 (0.0' - 0.5')	
_1		0.0	0.3 - 1.2	asphalt gravel, loose, dry-moist, no odor (SP)		_1
_2		0.0	1.2 - 1.4	Light Grayish Brown (2.5Y 6/2) fine SAND, loose, dry, no odor (SP)		_2
	4.2	0.0		As Above (0.3' - 1.2'), no asphalt (SP)		
_3	5.0	0.0	1.6 - 3.5	Very Dark Gray (2.5Y 3/1) coarse-fine SAND, some medium-fine gravel		_3
		0.0		(slag & coal) loose, moist, wet at 2.4', no odor (SW)		
_4		0.0	3.5 - 3.7	Dark Yellowish Brown (10YR 4/4) medium SAND & medium-fine subround gravel, trace silt, moist-wet, loose, no odor (GW)		_4
_ _5			3.7 - 4.2	As Above (1.6' - 3.5'), mostly coal & slag fragments, moist-wet (GW)		_ _5
_0		0.0		As Above (3.7' - 4.2') (GW)	065_A015_5.0 (5.0' - 5.5')	
_ _6		0.0	5.2 - 6.2	Very Dark Gray (2.5Y 3/1) fine SAND, some silt, little glass, coal & slag,	,	_6
_		0.0		red brick cobbles 5.4'-5.5', medium-dense, moist, no odor (SM)		_
_7		0.0		Dark Gray (10YR 4/1) medium-fine SAND, little medium-fine subround gray		_7
- 8	<u>2.3</u> 5.0	0.0		gravel, trace silt, trace glass, red brick cobble & 7.1', loose, moist-wet, no odor (SW)		_ _8
_0	3.0			no odor (Svv)		_0
_9						_9
_						_
_10			100 100	V D 10 (0.7V0/V) (1.00VD 0 (1.00D V/T) (1.00		_10
_ _11		1.0 45.5	10.0 - 10.8	Very Dark Gray (2.5Y 3/1) fine SAND & coarse-fine GRAVEL (slag), some silt, little coal, loose, wet, slight sulfurous odor (GW)	065_A015_10.3 (10.3' - 10.8')	11
-''		251.0	10 8 - 12 2	Very Dark Grayish Brown (10YR 3/2) PEAT, some Dark Olive Gray (2.5Y 3/2)	005_A015_10.5 (10.5 - 10.6)	-''
12		19.0	1010 1212	clay, little silt, soft, moist, strong sulfurous odor (PT)		_ _12
_	<u>2.2</u>				Fill/native soil interface	_
_13	5.0				at 10.8'	_13
						-
_14						_14
_ _15						_ _15
_		103.0	15.0 - 18.5	As Above (10.8' - 12.2')	065_A015_15.0 (15.0' - 15.5')	Ī
_16		66.8				_16
		62.6				
_17	4.5	17.5 37.0				_17
_ _18	5.0	179.0				_ _18
_		35.9				_
_19		147.0		Greenish Gray (GLEY2 6/5BG) fine SAND, some silt, little clay, loose,		_19
		243.0		moist-wet, strong sulfurous odor (SM), Transitions to Silty CLAY, moderate	065_A015_19.0 (19.0' - 19.5')	
_20				plasticity, soft grading to firm, moist-dry, strong sulfurous odor (CH) ing at 20' bgs.		_20
_ 21			LIIU OI BOI	mig at 20 bgs.		_ 21
_22						_22
						<u></u>
_23						_23
_ 24						_ _24
_ _25						_ _25

TE TETRA TECH GEO	PRO	JECT NO. 1941-8214	Boring No: 063_7005
	PRO	PCG SITE 63	LOCATION SKETCH
COMPLETION DATE TOTAL DEPTH OF BOREHOLE 12-21-12 25 Day	MONITORING DEVICE	GEOLOGIST / OFFICE:	
DRILLING CONTRACTOR/DRILLER: DRILLING EQUIPMEN	1 "	LINGMETHOD/BIT: Direct outh	
SAMPLING METHOD: DEPTH TO GROUNDWATER \	GROUND SURFACE ELEV	ATION: WELLINSTALLED?	
MEMO:			

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY] 。
-1		0	0-0.66 Brown med SAND, trace silt, soft,	063-205-0.5	-
	725		loose, mosst, no odor.		
3	2.25	0	0.66-5 Black m-f SAND, little with,		-3
4	2,0		abundant med-coarse slag from		4
5			1-2' bgs. 2" of red vocks frags, mosst-wet of 4' bgs (FIL)		5
_6		0	5-9 Black sandy SILT and med-coarse	063_2005_5,0	6
7	2.3		subangular gravel, saturated, m-dense		7
8	5.0		strong hydrocarbon odor.		- 8
_9	0,0		9-10 Black fine sandy SILT and gravel, saturated. Sheen observed at 9-9.5,		9
_ _10			dense strong hydrocarbon odor		_ _10
_: ⊑11		0	10-15' Black CK brown PEAT, trace sand,		
_ _12	0.00		med-vegetation, both, strong		_ _12
_ _13	5.0	£0	hydrocarbon odor, noist.		- _13
_ _14			Staining from previous sleeve.		_ _14
_ _15					_ _15
_ _16		0	15-16 Green-gray voch fragments (55),		_ _16
_ _17	2.0		dry		_ _17
_ _18	50	0	16-20 Red-brown fine sandy SLT, little		_18
_19			coarse-med gravel, firm, moist,		_ _19
_20			no odor.		_ _20
_ _21		0	20-22 Red brown SILT w/ fine sound and	063-7005-20.0	_ _21
_ _22	2.0		subongular gravel, very loose, wet		_22
_ _23	5.0		22-25 Red-brown SILT w/ fine sound,		_ _23
_ _24			dense, moist-wet		_24
_ _25			EOB @ 25' bgs		_ _25

TETRA TECH GEO	F	PROJECT NO.	74-8214		Boring No: 2009
	F	PROJECT NAME	PPG SITE	63	LOCATION SKETCH
COMPLETION DATE TOTAL DEPTH OF BOREHOLE 12-21-12 25' 644-	MONITORING DEVICE		SEOLOGIST/OFFICE:	Kot	
DRILLING CONTRACTOR/DRILLER: DRILLING EQUIPMEN EPI/Bob Crecoro	(DIV-ect	DIBIT:		
SAMPLING METHOD DEPTH TO GROUNDWATER \	GROUND SURFACE E	LEVATION: V	VELU INSTALLED?		
MEMO:					

DEPTH	RECOVERY (feet)	OVM	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES &	7 。
(Feel)	(1991)	(PPM)	0-1.5 Black m- SAND w abundant m-f	063_ZXY_0.5	-
_1 _			slag fragments, dry, med-firm, no		-1
_2	2.25		odor.		_2
_3	5.0	299	1.5-5 Cray-black med selty SAMD (red		_3
_4			vocts frogs from 1.75-2'), med-tirm,		_4
_5			4-5 morst, strong hydrocarbon odor.		_5
_6		0	5-10' Cray-black SILT, trace fine sand,	063_Z009_50'	_6
7			and med subangular gravel, wet, medium-dense, light odor		7
8	0.5		medium-dense, light odor		- 8
9	5.0				_
-				,	-9
_10		0	10-15 PEAT, CIK brown SILT W abundant	067 7-09 100	_10
11		0	l	1005 200 1_10.0	_11
_12	1.5		vegetation, med-moist,		_12
_13	5.0		diferent oder.		_13
_14					_14
_ _15					_15
16		0	15-16.5 Ped-brown selty CLAY, soft,	063_2009_15.0	_ _16
17			moest, no odor.		17
18	3.41	0	165-20 Red-brown clayer SILT and		18
=	5.0		coarse-med subangular gravel		_
_19			165-20 Red-brown clayer SILT and coarse-med subangular gravel throughout, dense, moust, no odor.		_19
_20					_20
_21		0	20-23 Brown Sandy SILT and gravel,		_21
_22	3.75		moest, no oder		_22
_23	5.0	0	23-25- SAA W more gravel.		_23
_ _24					_ _24
_ _25			EOB @ 25' bas		_ _25

TETRA TECH GEO	PROJECT NO	194-8214	Boring No: 063_ZON
	PROJECT NA	PPG SITE 63	LOCATION SKETCH
COMPLETION DATE: TOTAL DEPTH OF BOREHOLE:	MONITORING DEVICE:	GEOLOGIST / OFFICE:	
DRILLING CONTRACTOR / DRILLER: DRILLING EQUIPMEN	1 7:5	et ouch	
SAMPLING METHOD. DEPTH TO GROUNDWATER	GROUND SURFACE ELEVATION:	WELL NSTALLED?	
MEMO:			

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTÉR SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY	70
_1		0	0-1.3' DK groy-block m-f SAND, some Silt,	063_2011_0.0	_1
_2	2.75	0	1.3-1.5 (10R3/2) Red purple-brown m- SII-ty SAND		_2
_3	5.0	0	1.3-1.5 (1023/2) Red purple-brown m-f SIIty SAND and gravel, loose, med-firm 1.5-5 DK brown to black m-f selty SAND and m-c gravel, moist-wet, no oder		_3
* _ _5			m-c gravel, moist-wet, no oder		* _ _5
_ _6		0	5-6 Brown fine SAND and selt, firm, moest	063_2011_5.0'	_6
_ _7		0.3	6-6.5 Light gray-green voch frags, n-c		_7
_8	5.0		65-10 Red brown SILT, trace subangular		_8
_9 _			m-f gravel, moist wet, no odor		_9
_10					10
_11		0	10-11 Brown SILT, trace clay. Native/fill interface at 11' bgs.		_11
_12	1.6	O	11-15 PEAT, some vegetation, moist, soft,		_12
_13	5.0		Sulturons odor.		_13
_14					_14
_15					15
_ _16		0		063_2011_15.0	_16
17	0.5		med gravel, med-firm, moist		_17
_ _18	5.0		ne odor.		_18
_19					_19
_ _20					20
_ _21			20-21.5 Red brown SILT, trace sand and gravel.	063_2011_20.0	21
	4.0	0	21.5-22 Gray-white vock frogs, dry.		22
_ _23	5.0	0	22-25 Brown SILT and Subangular gravel,		23
24			dense mouth		24
_ _25			EOB @ 25' bgs.		_ _25

TETRA TECH GEO	PROJECT NO.	Boring No: 063_ Zo 13
	PROJECT NAME PPG SITE 63	LOCATION SKETCH
		⊣
COMPLETION DATE TOTAL DEPTH OF BOREHOLE	MONITORING DEVICE: GEOLOGIST / OFFICE:	
12-19-12 25 bas	PID I PAULS KUT	
DRILLING CONTRACTOR / DRILLER: DRILLING EQUIPMENT	DRILLING METHOD / BIT:	
EPI/Bub George	be Direct oush	
SAMPLING METHOD DEPTH TO GROUNDWATER \	GROUND SURFACE ELEVATION: WELL INSTALLED?	
5 slewes		
MEMO:		

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY	0
-	(01)		0-1.5' DK brown med-fine SAND, little silt	Onini de Gommani	=
_1		0	and m-c subangular gravel throughout,	063_7013_1.5	_1
_2	3.58		dry, loose, no odor	·	_2
_3	5.0	0	1.5-5 Black m-c SAND w/ trace sitt,		_3
_ _4			angular to subangular stag and		_4
_ _5			angular to subangular slag and gravel, loose, moist, slight petrol odor		5
_ 6		0	5-6 DK gray-block m-c SAHD, some	063-2013-5.5	-6
_	3.5		SILT, SUBARGULAN GUAVER (WO 59 00)	00 32 2013 2010	_
_7	5.0		loose, wet		_7
_8),0	O	6-7 As above w/ little subangular gravel, med-dense, saturated, light hydrocarb		_8
_9			med-cleuse, baterated, ught hydrocars		_9
_ _10			odov		_10
<u> </u>		0	7-8 DK-gray to brown n-t silty sand and		_11
-			subangular gravel, loose, souturated,		12
<u>- 7</u>			petroleum odor.		_
=19\		0	8-10 DK gray m-c sandy SILT w warse	=	_13
_1/4 \			8-10 DK gray m-c bandy Sitt w house orgalar Is bangular gravel, m-loose		_14
_15 \	2.83		moust-wet hydrocarbon odor		_15
		0		063-7013-10.0	_16
- 	3.66		fragments, loose, hydrocarbon odor		17
- 18\	5,0	\sim	wet.		_ _18
-:\\	ان ا	0	10.6-15 Black SILT, Peat, aboudant vegetation		-
-19 \ - 1			strong suffer octor, med moist		_19
_20		()	15-11-5 500 PCAT . 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_20
²¹ j		0	15-16.5 SAA, PEAT w/ abundant vegetation		_21
<u>-</u> }22/	2.5	0	16.5-20 (GLEY 13/56), fine-med SAHD W/ SIH,		_22
X 23\	5.0		med-firm, moss, slight sulfur odor.		_23
-/ ₄ \					24
<u> </u>	(1				_
_25					25

	PROJECT NO: 194-8214	Boring No: 063_7013
	PPG SITE 63	LOCATION SKETCH
COMPLETION DATE: TOTAL DEPTH OF BOREHOLE: 12-19-13 25 64	MONITORING DEVICE: GEOLOGIST/OFFICE: TRAUS KOT	
DRILLING CONTRACTOR/DRILLER: DRILLING EQUIPMENT		
SAMPLING METHOD: DEPTH TO GROUNDWATER \	GROUND SURFACE ELEVATION: WE'LL INSTALLED?	
MEMO:]

DEPTH (Feet)	RECOVERY (feet)	OVM (PPM)	BURMEISTER SYSTEM SOIL DESCRIPTION	FIELD NOTES & SAMPLE SUMMARY	7
26 -27 -28 -29 -30	3.3		20-21' SAA 21-22 Ovenge-brown SILT, trace clay, firm, moust-clay, no oclor (7.5423/4) 22-24 Ovenge-brown Chay, some silt, med plasticity, loose, wet, no oclor		_26 _27 _28 _29 _30
31 -82 -38 -38 -35	-		24-25 Orange-brown SILT, little clay, loose, little five sand and gravel throughout, mosst-wet, no odor FOB @ 25' bass		31 32 33 34 35
36 37 38 39 40					36 37 38 39 40
41 42 43 44 45					41 42 43 44 45
46 47 48 49 50					

BORING NUMBER BRN01 PAGE 1 OF 1

		Tellephone: 609588632 Fax: 6095886314	3				
	CLIEN	T PPG			PROJECT NAME Burma Road		
	PROJ	ECT NUMBER _151136			PROJECT LOCATION Burma Rd. Je	ersey (City, NJ
	DATE	STARTED 10/26/15	CON	IPLETED <u>10/26/15</u>	GROUND ELEVATION 8 ft	н	OLE SIZE 3 inches
	DRILL	ING CONTRACTOR EPI			GROUND WATER LEVEL:		
	DRILL	ING METHOD Track mou			□ DURING DRILLING 6.30 ft / Elev	1.70 ft	
	LOGG	ED BY K. Treacy	CHE	CKED BY J. Alexander	NORTHING 680201.069		
	NOTE	S No PID available			EASTING 612219.126		
İ		ш 7					
35 BURMA.GPJ	O DEPTH	SAMPLE TYPE NUMBER ENVIRONMENTAL	GRAPHIC LOG	MATE	ERIAL DESCRIPTION		REMARKS
ITE (0.0			0.3 ASPHALT		7.7	
SING LOGS/S	· -	GB S01			SAND, some coarse angular gravel,		soil sample collected @ 0.5-1' BGS
MA GINT BOF				2.0		6.0	
ATA\BURI	2.5				se SAND, loose, dry		soil sample collected @ 2.5-3' BGS
FIELD D.		GB \$02				4.7	
TE 63-65\	-			3.8 sand, semi dense, o		4.3	
HROME\SI	· -			trace coarse angula moist	SAND, some coarse angular fill, ir gravel, trace shells, semi dense,		soil sample collected @ 4.5-5' BGS
ANIMORANIPPG - CHROMEISITE 63-65_FIELD DATA\BURMA GINT BORING LOGS\S\TE 65 BURMA.GPJ	5.0	GB S03					con campie conocica (g. 1.0 o 100
				: : 6.0		2.0	
Ď₩[-			6.3 ▼ Reddish Gray coars	se SAND, loose, moist	1.7	Staining, odor @ 6.3- 7.3' BGS
COMMON		GB S04		Black SILT, some fastaining	m ASH, semi dense, wet, odor,		soil sample collected @ 6.5-7' BGS
'REFS01	7.5				ome silt, some coarse rounded	0.7	
16 09:28 - NT				gravel, dense, wet			
DT - 5/20/	· _	GB S05					soil sample collected @ 8.5-9' BGS
IS LAB.G							
STD	10.0			10.0		-2.0	
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MOR				Bottom	of borehole at 10.0 feet.		

BORING NUMBER BRN02 PAGE 1 OF 1

PRO DAT DRIL DRIL LOG	JECT NUMBER 151136	COMPL	ETED 10/26/15	PROJECT NAME Burma Road PROJECT LOCATION Burma Rd. Je	ersey C	City, NJ	
PRO DAT DRIL DRIL LOG	E STARTED 10/26/15 LING CONTRACTOR EPI LING METHOD Track mount GGED BY K. Treacy	COMPL	ETED 10/26/15	PROJECT LOCATION Burma Rd. Je	ersey C	City, NJ	
DAT DRIL DRIL LOG	E STARTED 10/26/15 LING CONTRACTOR EPI LING METHOD Track mount GED BY K. Treacy	COMPL	ETED 10/26/15				
DRIL DRIL LOG	LING CONTRACTOR _EPI LING METHOD _Track mount GED BY _K. Treacy				ROUND ELEVATION 8 ft HOLE SIZE 3 inches		
DRIL	LING METHOD Track mount			GROUND WATER LEVEL:			
LOG	GED BY K. Treacy				3 00 ft		
	·				3.00 It		
-	ES NO PID available			EASTING 612265.08			
65 BURMA.GPJ O DEPTH O (ft)	SAI	GRAPHIC LOG	MATE	ERIAL DESCRIPTION		REMARKS	
0.0		0.3	ASPHALT		7.7		
888		0.3	Brownish Gray f-m	SAND, some coarse angular gravel,	1.1		
) 			loose, dry				
1	GB					soil sample collected @ 1-1.5' BGS	
9 Z-	S01	1.5			6.5		
<u>5</u>			gravel, loose, dry	k fine SAND, little coarse angular			
SUR!							
2.5		2.5			5.5		
			Reddish Gray coars	se SAND, semi dense, moist			
뷝	GB	3.2	DI 1.6 AOII		4.8	soil sample collected @ 3-3.5' BGS	
	S02	3.5			4.5		
		4.0	arayal traca candat	rse SAND, little coarse rounded tone, trace shale, semi dense, moist	4.0		
MEN.		XXX -	, -	ar FILL, semi dense, moist	4.0		
된 -							
5.0		₩ 5 ,0) \		3.0		
3.0	GB	3.0		ar FILL, semi dense, wet	3.0	soil sample collected @ 5-5.5' BGS	
₹ 5 -	S03						
AN IN							
Ž -	-						
<u> </u>		6.5			1.5		
			Black f-m ASH, son angular gravel, sem	ne gray f-m SAND, trace coarse ii dense, wet			
5 -	GB		. J g. a. c., John	,		soil sample collected @ 7-7.5' BGS	
7.5	S04	7.5			0.5		
- 20			Gray f-m SAND, de	nse, wet			
- 109:2	GB					soil sample collected @ 8-8.5' BGS	
70/16	S05						
- 5/.		9.0	1		1.0		
- E	-	j9.0	NO RECOVERY		-1.0		
<u> </u>	_						
5 10.0		10.	0		-2.0		
2 10.0		, 110.		of borehole at 10.0 feet.	-2.0		
ENVIRONMENTAL BH - GINT STD US LAB. GDT - 5/20/16 09:28 - 1/ TREFSOTICOMMONAMORANMORANMPRS - CHROMEISTE 63-65/2 FIELD DATABURMA GINT BORING LOGSISTIE 65 BURMA. GFD 0 DEPTT 0							

BORING NUMBER BRN02A PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 10/26/15	COMPLETED <u>10/26/15</u>	GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:				
DRILLING METHOD Track mounted	Geoprobe	DURING DRILLING 5.00 ft / Elev 3.00 ft				
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680218.505				
NOTES No PID available		EASTING 612240.133				

O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
0.0 2.5			0.3	ASPHALT Brownish Gray f-m SAND, some coarse angular gravel, loose, dry	7.7	
2.5	GB \$01	_	1.7	Reddish Gray coarse SAND, loose, dry	<u>J.J.</u>	oil sample collected @ 1.5-2' BGS
			3.5	Black f-m ASH, some coarse angular fill, trace wood, semi dense, dry Dark brown m-c SAND, some coarse angular gravel,	5.3 4.5	
5.0	GB S02	_	4.0 4.3 5.0	Red Brick COBBLES Dark Brown m-c SAND, some coarse angular gravel, little black f-m ash, semi dense, moist	4.0 3.8 3.0	soil sample collected @ 4-4.5' BGS
	GB \$03	-		Dark Brown m-c SAND, some coarse angular gravel, little black f-m ash, semi dense, wet	s	soil sample collected @ 5.5-6' BGS
7.5	GB S04	-	7.0	Black f-m ASH, some brown f-m sand, little coarse angular gravel, loose, wet Brownish Red f-m SAND, some coarse angular gravel,	1.0 5.5	soil sample collected @ 7-7.5' BGS
				dense, wet		
10.0	GB S05		10.	.0		soil sample collected @ 9.5-10' 3GS
10.0				bottom of boreflole at 10.0 feet.		

BORING NUMBER BRN03 PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

(Telephone: 609 Fax: 60958863	95886328				
	CLIEN	IT PPG		PROJECT NAI	ME Burma Road		
	PROJECT NUMBER 151136						
	DATE STARTED 6/19/15 COMPLETED 6/19/15						
	DRILLING CONTRACTOR EPI			GROUND WAT	ER LEVEL:		
	DRILL	ING METHOD Trac	k mounted	pprobe ☑ DURING DR	LLING 5.00 ft / Elev 3.00 ft		
- 1				HECKED BY J. Alexander NORTHING			
	NOTE	s		EASTING	612353.917		
BG	0.0 DEPTH	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	MATERIAL DESCRIP	TION	REMARKS	
SITE				ASPHALT			
068	-		PID = 0	0.5 Grayish Black coarse anguar GRAV	T.5 FL some f-m		
NGL	_			grayish brown sand, loose, dry	LL, 001110 1 111		
BOR			PID = 0				
탉	-		PID = 0	\one_{\one}\one_{\one\one_{\one_{\one_{\one_{\ani\vincov\vin\one_{\one_{\one_{\one_{\one_\one_{\one_{\one_{\one_{\one_{\one_{\one_{\oneb\one_{\one_{\o			
₩ W W	_		DID 0	2.0	6.0		
A/BUI	2.5		PID = 0	Black f-m ASH, trace coal, loose, dr			
ILD DAT	2.0	GB S01	PID = 0		so	oil sample collected @ 2.5-3' BGS	
			PID = 0	\otimes			
63-65	-		PID = 0				
ᄩ	_		115 0	4.0	4.0		
OME			PID = 0	Blackish Gray coarse FILL, little and dense, dry	ular gravel, semi		
딹	-		PID = 0	Ø			
ğL	5.0		DID 0	5.0 ▼	3.0	oil sample collected @ 5-5.5' BGS	
RAN		GB S02	PID = 0	Blackish Gray coarse FILL, little and dense, wet	ular gravel, semi		
Ō -	_		PID = 0				
MORA	-		PID = 0	Gray silty SAND, some whiteish tan	clay lenses, some		
≨ŀ	-		PID = 0	coarse angular gravel, loose, wet			
<u></u>	_						
EFS0	7 =		PID = 0				
IRI-	7.5	GB S03	PID = 0		so	oil sample collected @ 7.5-8' BGS	
9:58	_	S03	PID = 0	[4]			
/16 0			FID = 0	\\ \\	-0.5		
- 5/20	_		PID = 0	Black f-m SAND, some fine ash, so			
-	-		PID = 0	loose, wet			
I.B	_				90	oil sample collected @ 9.4-10'	
2 2	10.0	GB S04		10.0	B	GS	
NTS	10.0			्रां]10.0 Bottom of borehole at 1	-2.0 0.0 feet.		
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - NTREFS01/COMMONMOR.							

BORING NUMBER BRN04 PAGE 1 OF 1

DATE START DRILLING CO DRILLING MI LOGGED BY NOTES	NTRACTOR EPI	COMPLE		GROUND ELEVATION 8 ft GROUND WATER LEVEL:			
DRILLING CO DRILLING MI LOGGED BY NOTES	ONTRACTOR EPI ETHOD Track mounted K. Treacy	l Geoprobe		GROUND WATER LEVEL:	HO	OLE SIZE 3 inches	
DRILLING MI LOGGED BY NOTES	Track mounted K. Treacy			_			
LOGGED BY	K. Treacy						
NOTES		CHECKE		eoprobe DURING DRILLING _6.50 ft / Elev 1.50 ft			
		_	D BY J. Alexander	NORTHING 680334.518			
(ft)				EASTING 612336.03			
0.0	NUMBER NUMBER ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		TERIAL DESCRIPTION		REMARKS	
		0.3	ASPHALT		7.7		
	GB S01		Gray coarse angui loose, dry	lar GRAVEL, some f-m brown SAND,		soil sample collected @ 0.5-1' BG	
_	GB	000				soil sample collected @ 1.6-2.1'	
	S02 PID = 8.2	0 2.0	Red m-c SAND, Id	nose dry	6.0		
2.5	GB	2.5	Red III-C SAND, IC	oose, ary	5.5	soil sample collected @ 2.2-2.7' BGS	
	S03		Black f-m ASH, lo	ose, dry	0.0		
-	PID = 11:	4.0		SAND, some f-m ash, semi dense,	4.0		
-	PID = 86.		dry		3.3	soil sample collected @ 4.6-5.1'	
5.0	GB S04	5.0	Pink quartzite COI	BBLES, dry	3.0	BGS	
	PID = 539		Dark Brown f-m Sa semi dense, moist	AND, trace coarse angular gravel, t			
		6.5	<u> </u>		1.5	Staining @ 6.5 - 7.3' BGS	
_	PID = 17	7.3	Black coarse angu semi dense, wet, s	ular GRAVEL, little black coarse sand, staining, odor, sheen	0.7		
7.5	PID = 100		Light Brown m-c S semi dense, wet	SAND, trace coarse angular gravel,	0.0		
1				AND, some coarse subrounded			
+	GB PID = 110	-	gravel, little wood,	little ash lenses, dense, wet		soil sample collected @ 8.5-9' BC	
	GB PID = 110						
	PID = 282	2					
10.0		10.0)		-2.0		
	'	, , , , , , , , , , , , , , , , , , , ,		m of borehole at 10.0 feet.			

BORING NUMBER BRN04A PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

CLIENT PPG	PROJECT NAME Burma Road
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ
DATE STARTED <u>10/23/15</u> COMPLETED <u>10/23/15</u> COMPLETED <u>10/23/15</u>	GROUND ELEVATION 8 ft HOLE SIZE 3 inches
DRILLING CONTRACTOR EPI 0	GROUND WATER LEVEL:
DRILLING METHOD Track mounted Geoprobe	DURING DRILLING 5.00 ft / Elev 3.00 ft
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680310.682
NOTES	EASTING 612318.749

0 DEPTH (#) (#)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
2				0.3 ASPHALT	7.7	
	GB S01	_		Brown f-m SAND, some coarse angular gravel, loose, dry		soil sample collected @ 0.5-1' BGS
	GB S02	_		2.0	6.0	soil sample collected @ 1.6-2.1' BGS
2.5	GB	PID = 450		Red m-c SAND, loose, dry 2.5	5.5	soil sample collected @ 2.2-2.7' BGS
2.5	S03	_		Black f-m ASH, loose, dry	5.5	500
		PID = 3529				
				3.7 Black coarse angular FILL, some f-m ASH, semi dense,	4.3	
		PID = 3529		4.2 moist Brown silty SAND, little rounded gravel, dense, wet	3.8	
-		_		Brown silty SAND, little rounded graver, derise, wet		soil sample collected @ 4.6-5.1'
5.0	GB S04	DID 0500		5.0	3.0	BGS
		PID = 3529		Gray f-m SAND, some f-m black ash, little gravel, semi dense, wet	2.5	
		PID = 3529		Gray f-m SAND, loose, wet, staining, odor, sheen	0	
<u> </u>		PID = 215		6.0 Gray f-m SAND, dense, wet	2.0	
						Staining, odor, sheen @ 6.5-7' BGS
5.0		PID = 3529				
		DID 0.500	~~~	8.0	0.0	
		PID = 3529		Black f-m ASH, some f-m sand, trace coarse angular gravel, dense, wet		acil comple collected @ 0.5.01.500
	GB S05]				soil sample collected @ 8.5-9' BGS
		PID = 418				
<u> </u>			\bowtie	9.5 Brow silty SAND, trace black ash, trace coarse angular	-1.5	
10.0				10.0 gravel, dense, wet	-2.0	
				Bottom of borehole at 10.0 feet.		
j 2						
10.0						
2						

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

BORING NUMBER BRN04A-A

PAGE 1 OF 1

CLIENT PPG	PROJECT NAME Burma Road				
PROJECT NUMBER _151136	PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 3/18/16 COMPLETED 3/18/16	GROUND ELEVATION 8 ft HOLE SIZE 1 inches				
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:				
DRILLING METHOD Track-mounted Geoprobe	☐ DURING DRILLING 6.00 ft / Elev 2.00 ft				
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680310.7				
NOTES _Auger and Vac to 6' BGS, Green staining observed 8.5-9.5' BGS	EASTING 612318.7				

ENVIRONMENTAL BH - GINT STD US LAB GDT - 5/20/16 09:28 - WTREFSO1\COMMONWORANIMORANIMORANIMORANIPG - CHROME\SITE 63-65 FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ 2	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
SITE		PID = 0		ASPHALT	
IG LOGS/	_	PID = 0		0.5 Black fine ASH, some fine angular gravel, little fine sand, loose, dry	5
30RIN	1	PID = 0	\pm	•	
A GINTE		PID = 0			
TA/BURM.		PID = 0	3		
LD DATA	-	PID = 0			
65_FIE	-	PID = 0	3		
TE 63-	1	PID = 0			
OME\SI	_	PID = 0		4.0 Grayish Brown silty SAND, little fine rounded gravel, semi dense, moist	
A P		PID = 0			
SAN/PPG	_	PID = 0		5.0 Black metal impaced FILL, trace fine angular gravel, dense, wet	0
N/MOF	1	PID = 0			
IMORA	_	PID = 0		6.0 ▼ 2. Gray m-c SAND, trace fine rounded gravel, dense, wet	<u>)</u>
NOMMC	_	PID = 0			
S01/C	-	PID = 0			
7.5		PID = 0			
16 09:28		PID = 0		8.5	
- 5/20/	GB S01	PID = 0		8.5 -0. Grayish Green fine SAND, dense, wet	soil sample collected @ 8.5-9' BGS
3.GDT	GB S02	PID = 0			soil sample collected @ 9-9.5' BGS
JSLAE				9.5 Black coarse SAND, little fine ash, little shells, dense,	Soil sample collected @ 9.5-10
10.0	GB S03			_{10.0} wet -2.	BGS
- GINT				Bottom of borehole at 10.0 feet.	
AL BH					
ZMENT					
MIRO					
<u>ш</u>					

BORING NUMBER BRN05 PAGE 1 OF 1

CLIENT PPG	PROJECT NAME Burma Road
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ
DATE STARTED 6/19/15 COMPLETED 6/19/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:
DRILLING METHOD Track mounted Geoprobe	∑ DURING DRILLING 5.00 ft / Elev 3.00 ft
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680432.199
NOTES	EASTING 612406.8

O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
		PID = 0 PID = 0 PID = 0	0.5	ASPHALT Grayish Black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	7.5	
2.5	GB S01	PID = 0	2.5	Black f-m ASH, loose, dry	6.0 5.5	soil sample collected @ 2-2.5' BGS
-		PID = 0 PID = 0		Blackish Gray coarse FILL, some red sand, little angular gravel, semi dense, dry		
		PID = 0 PID = 0	4.0	Gray fine SAND, little rounded quartz gravel, semi	4.0	
5.0		PID = 0 PID = 0	4.5 5.0	dense, dry Blackish Gray coarse FILL, some red sand, little angular gravel, semi dense, moist Gray fine SAND, little rounded quartz gravel, loose, wet	3.5	
		PID = 0	6.0	Gray line GAND, little rounded quartz graver, 1003e, wet	2.0	and annual collected Q C C FI DOC
- +	GB S02	PID = 0 PID = 0		Black f-m ASH, little wood, little angular gravel, semi dense, wet	-	soil sample collected @ 6-6.5' BGS
7.5	CP.	PID = 0	7.0	Grayish Red silty SAND, little angular gravel, dense, wet	1.0	soil sample collected @ 7.5-8' BGS
-	GB S03	PID = 0				
		PID = 0 $PID = 0$				
10.0	GB S04		10.0	Bottom of borehole at 10.0 feet.	-2.0	soil sample collected @ 9.5-10' BGS
				Bottom of Bottomore at 10.0 look.		

BORING NUMBER BRN06 PAGE 1 OF 1

	Telephone: 609588 Fax: 6095886314				PROJECT NAME Burma Road				
	JECT NUMBER 151136				PROJECT LOCATION Burma Rd. Jersey City, NJ				
			COMPLETE	n 10/26/15	GROUND ELEVATION 8 ft				
- 1	LING CONTRACTOR E					''`	JEE SIZE STRICTIES		
1					-				
1					$_\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	3.00 ft			
	GED BY K. Treacy	с	CHECKED B	Y _J. Alexander					
NOT	ES No PID available								
65 BURMA.GPJ O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm) GRAPHIC	GRAPHIC LOG	МАТ	FERIAL DESCRIPTION		REMARKS		
<u> </u>			0.3	ASPHALT		7.7			
GS/S			0.3	Brownish Gray f-m	SAND, some coarse angular gravel,				
9				loose, dry					
X X	GB						soil sample collected @ 1-1.5' BGS		
ĭ Z L	S01		1.5			6.5			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				Gray fine SAND, to	race coarse angular gravel, loose, dry				
χ Σ	-	: XX	2.0	Black f-m ASH, loo	ose dry	6.0			
g ≰ 2.5		\boxtimes	\bowtie	2.dok : , .o. , .o.	,				
DA		\otimes							
計		\otimes	3.0	Plack coarse and	ılar FILL, semi dense, dry	5.0	soil sample collected @ 3-3.5' BGS		
65_ F	GB S02	\boxtimes	3 5	black coalse aligu	ilai FILL, Seilli delise, dry	4.5			
£9			3.8	Red brick COBBLI	ES	4.2			
OME/SIT	-		4.3	Brown coarse ang semi dense, moist	ular FILL, some brown medium sand,	3.7			
影	-			Gray m-c SAND,	trace wood, semi dense, moist				
် 5.0			5.0 ▼			3.0			
MORANIPE	GB S03			Blackish Gray f-m semi dense, wet	SAND, some black f-m ASH, little fill,		soil sample collected @ 5-5.5' BGS		
MORAN	_								
N N N	_		6.5	Crov m a CAND a	aomi danaa wat	1.5			
⊠ OO			73	Gray m-c SAND, s	ocini uciise, wet				
S01)	GB						soil sample collected @ 7-7.5' BGS		
<u> 7.5</u>	S04		7.5	Disable C. 1	CAND some kinds for a 1 PM 600	0.5			
- 8				Blackish Gray f-m semi dense, wet	SAND, some black f-m ash, little fill,				
09:2				-,					
20/16	_		8.3	Red f-m SAND, de	ense, wet	-0.3			
L - 5/			8.8			-0.8			
<u>5</u> -	GB				ty sand, some greenish gray silt ded guartz, dense, wet		soil sample collected @ 9-9.5' BGS		
E LA	S05				aoa qua, aooo,ot				
SN									
5 10.0		<u> [4.1</u>	. 10.0	Bottor	m of borehole at 10.0 feet.	-2.0			
ENVIRONMENTAL BH - GINT STD US LAB. GDT - 5/20/16 09:28 - \RTREFS01/COMMONWORANWORANWPG - CHROMEISITE 63-65/FIELD DATABURMA GINT BORING LOGSISITE 65 BURMA.GFU 1									

BORING NUMBER BRN06A PAGE 1 OF 1

	IT PPG				PROJECT NAME Burma Road			
	ECT NUMBER 1511				PROJECT LOCATION Burma Rd. Jersey City, NJ			
	DATE STARTED 10/26/15 COMPLETED 10/26/15					н	OLE SIZE 3 inches	
	ING CONTRACTOR							
I					DURING DRILLING 6.00 ft / Elev	2.00 ft		
	· · · · · · · · · · · · · · · · · · ·		CHECKEL	BY J. Alexander				
NOTE	S No PID available		1 1		EASTING 612370.759			
#L(#) 0.0	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	FERIAL DESCRIPTION		REMARKS	
0.0			0.3	ASPHALT		7.7		
 	GB S01			Brownish Gray f-m loose, dry	n SAND, some coarse angular gravel,		soil sample collected @ 0.5-1' BGS	
			1.5	Brown f-m SAND,	semi dense, dry	6.5		
			1.8	Black f-m ASH, loc	<u> </u>	6.2		
2.5	GB S02		2.8			5.2	soil sample collected @ 2.5-3' BGS	
	002		3.2	sand, semi dense,	rse angular FILL, trace f-m brown , dry y SAND, some coarse angular gravel,	4.8		
			3.8	dense, moist Brownish Black co	parse angular FILL, some brown m-c	<u>4.2</u> 3.8		
	GB		4.2	Gray m-c SAND, I dense, moist	, moist ittle f-m black ash, trace brick, semi	7	soil sample collected @ 4.5-5' BGS	
5.0	S03		5.0		ittle f-m black ash, semi dense, moist	3.0		
				_				
-			6.0		ittle f-m black ash, semi dense, wet	2.0		
	GB S04						soil sample collected @ 6.5-7' BGS	
7.5			7.5	Plack f m ASH so	ome gray m-c sand, dense, wet	0.5		
				Diack I-III AOI I, Sc	mie gray m-c sand, dense, wet			
-	GB		8.5	Red f-m SAND, de	ense, wet	-0.5	soil sample collected @ 8.5-9' BGS	
-	S05		9.0	Reddish Brown sil	ty sand, dense, wet	-1.0		
10.0			10.0			-2.0		
				Botto	m of borehole at 10.0 feet.			

BORING NUMBER BRN07 PAGE 1 OF 1

CLIENT PPG	PROJECT NAME Burma Road
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ
DATE STARTED 6/19/15 COMPLETED 6/19/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:
DRILLING METHOD Track mounted Geoprobe	□ DURING DRILLING 6.00 ft / Elev 2.00 ft
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680505.819
NOTES	EASTING 612459.675
	I

NOTES _				EASTING 612459.675		
0.0 DEPTH 2.5 2.5 5.0 7.5	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
				ASPHALT 0.5	7.5	
_		PID = 0		Grayish Black coarse angular GRAVEL some f-m gray brown sand, loose, dry	7.0	
		PID = 0	200	brown sand, loose, dry		
_		PID = 0	600			
		PID = 0	200	2.0	6.0	soil sample collected @ 2-2.5' BGS
2.5	GB S01	PID = 0		Black f-m ASH, loose, dry		
2.5		PID = 0		Gray coarse angular FILL, some coarse sand, loose, dry	5.5	
		PID = 0	\bowtie	3.0 Reddish orange m-c SAND, some rounded quartz	5.0	
_				gravel, semi dense, dry		
		PID = 0		4.0	4.0	
		PID = 0		Black coarse SAND, some black angular porous fill,		
		PID = 0		Gray SILT some yellow fine sand lenses, trace brick,	3.5	
5.0		PID = 0	<u> </u>	5.0 dense, dry	3.0	soil sample collected @ 5-5.5' BGS
	GB S02	PID = 0		Gray SILT some yellow fine sand lenses, trace brick, trace wood, loose, moist		
		PID = 0		-	0.0	
		PID = 0		Black fine Sand, some angular coarse gravel, some	2.0	Staining, odor, sheen @ 6- 7.67' BGS
		PID = 0		wood, loose, wet, staining, sheen, odor		
_						
7.5		PID = 0				
	GB S03	PID = 0		7.7 Grayish Black fine SAND, little silt, some subrounded	0.3	soil sample collected @ 7.5-8' BGS
- +		PID = 0		gravel, dense, wet		
		PID = 0				
_						
		PID = 0				
	GB S04					soil sample collected @ 9.5-10' BGS
10.0			[15/15/5]	Bottom of borehole at 10.0 feet.	-2.0	
10.0						

BORING NUMBER BRN08 PAGE 1 OF 1

SOLUTION PROPERTY OF THE PROPE	EPI mounted (C M	GEAPHIC LOG	0.3 2.0 2.5 3.0	ASPHALT Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse	GROUND WATER LEVEL:	/ 2.00 ft	REMARKS soil sample collected @ 2-2.5' BG:
K. Treacy Lawrence GB S01 PI GB S02	mounted C ENVIRONMENTAL DATA (ppm) PID = 1369 PID = 777 PID = 94	GRAPHIC LOG	0.3 2.0 2.5 3.5	ASPHALT Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse coarse angular gray	DURING DRILLING 6.00 ft / Elevent NORTHING 680481.815 EASTING 612441.911 TERIAL DESCRIPTION DISAND, some coarse angular gravel, ome coarse rounded gravel, trace SAND, trace concrete, loose, dry SAND, some f-m black ASH, little	7.7 6.0 5.5 5.0	REMARKS soil sample collected @ 2-2.5' BG soil sample collected @ 3-3.5' BG
K. Treacy BLA BBWNN BLA BBWNN PI GB S01 FROM BB S02	ENVIRONMENTAL DATA (ppm) ED = 1369 ED = 1369 ED = 1491	GRAPHIC	0.3 2.0 2.5 3.0	ASPHALT Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse coarse angular gray	NORTHING 680481.815 EASTING 612441.911 TERIAL DESCRIPTION SAND, some coarse angular gravel, ome coarse rounded gravel, trace e SAND, trace concrete, loose, dry e SAND, some f-m black ASH, little	7.7 6.0 5.5 5.0	REMARKS soil sample collected @ 2-2.5' BG soil sample collected @ 3-3.5' BG
GB S02	ENVIRONIMENTAL DATA (ppm) ENVIRONIMENTAL DATA (ppm) ENVIRONIMENTAL DATA (ppm) ENVIRONIMENTAL DATA (ppm)	GRAPHIC	2.0	ASPHALT Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse coarse angular gray	EASTING 612441.911 TERIAL DESCRIPTION I SAND, some coarse angular gravel, ome coarse rounded gravel, trace e SAND, trace concrete, loose, dry e SAND, some f-m black ASH, little	7.7 6.0 5.5	REMARKS - soil sample collected @ 2-2.5' BG: - soil sample collected @ 3-3.5' BG:
SAMPLE AND	PID = 1369 PID = 777 PID = 94		2.0 2.5 3.0	ASPHALT Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse coarse angular gray	TERIAL DESCRIPTION In SAND, some coarse angular gravel, In SAND, some for the sound gravel, In SAN	6.0 5.5 5.0	soil sample collected @ 2-2.5' BG soil sample collected @ 3-3.5' BG
GB S01	PID = 1369 PID = 777 PID = 94		2.0 2.5 3.0	ASPHALT Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse coarse angular gray	ome coarse rounded gravel, trace e SAND, trace concrete, loose, dry	6.0 5.5 5.0	soil sample collected @ 2-2.5' BG
GB S01 F	PID = 777 PID = 94 PID = 1491		2.0 2.5 3.0	Brownish Gray f-m loose, dry Gray f-m SAND, s schist, loose, dry Light brown coarse Dark brown coarse coarse angular gra	ome coarse rounded gravel, trace e SAND, trace concrete, loose, dry e SAND, some f-m black ASH, little	6.0 5.5 5.0	soil sample collected @ 2-2.5' BG soil sample collected @ 3-3.5' BG
GB S01 F	PID = 777 PID = 94 PID = 1491		2.0 2.5 3.0	Gray f-m SAND, s schist, loose, dry Light brown coarse Dark brown coarse coarse angular gra	ome coarse rounded gravel, trace e SAND, trace concrete, loose, dry e SAND, some f-m black ASH, little	6.0 5.5 5.0	soil sample collected @ 2-2.5' BG: soil sample collected @ 3-3.5' BG:
S01 S01 F	PID = 94 PID = 1491		3.0	schist, loose, dry Light brown coarse Dark brown coarse coarse angular gra	e SAND, trace concrete, loose, dry	5.5 5.0	soil sample collected @ 2-2.5 BG
GB S02	PID = 1491	6 S	3.0	Light brown coarse Dark brown coarse coarse angular gra	e SAND, some f-m black ASH, little	5.0	soil sample collected @ 3-3.5' BG
S02	PID = 1491	p 5 4	3.5	Dark brown coarse coarse angular gra	e SAND, some f-m black ASH, little		Soil sample collected @ 3-3.5 BG
S02	PID = 1491	p 5 4	3.5	coarse angular gra	e SAND, some f-m black ASH, little avel, medium dense, moist		Soil sample collected @ 3-3.5 BG
	ID = 1491	P L 4			avei, medium dense, moist	4.5	
		2 4 A 2 5 4	4 0	J J J L / L			-
		1 -	,			4.0	
				NO RECOVERY	lue to concrete		
GB S03	PID = 1262		6.0 ▼		ace wood, trace gravel, semi dense,	2.0	- soil sample collected @ 6-6.5' BG
			7.3	Red m-c SAND tr	ace silt trace rounded quartz gravel	0.7	
GB P	PID = 209			dense, wet	ado diit, ilado roundeu qualiz gravel,		soil sample collected @ 7.5-8' BG
	PID = 22 8						
'	.5 22.0		8.3	Grav brown f-m S	AND some silt dense wet	-0.3	_
F	PID = 580			Siay blown 1-111 of	aris, some ont, dense, wet		
							soil sample collected @ 9.5-10'
GB S05			10.0			2.0	BGS
			110.0	Botto	n of borehole at 10.0 feet.	-2.0	1
	GB F F F GB	PID = 1262 GB S04 PID = 209 PID = 22.8 PID = 580	PID = 1262 GB S04 PID = 209 PID = 22.8 PID = 580	PID = 1262 7.3 GB S04 PID = 209 PID = 22.8 8.3 PID = 580	PID = 1262 PID = 1262	PID = 1262 7.3 Red m-c SAND, trace silt, trace rounded quartz gravel, dense, wet PID = 22.8 PID = 28 8.3 Gray brown f-m SAND, some silt, dense, wet PID = 580	### PID = 1262 PID = 1262 7.3

BORING NUMBER BRN08A CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fay: 6095886314

PAGE 1 OF 1

		Fax: 6095886314					
	CLIEN	T PPG			PROJECT NAME Burma Road		
	PROJ	ECT NUMBER _151136			PROJECT LOCATION Burma Rd. Je	ersey C	City, NJ
				PLETED 10/26/15	GROUND ELEVATION 8 ft	НС	DLE SIZE 3 inches
		ING CONTRACTOR E			GROUND WATER LEVEL:	_	
		ING METHOD Track m		he	=	00 #	
					DURING DRILLING 5.00 ft / Elev 3	5.00 IL	
			CHEC	KED BY J. Alexander	NORTHING 680457.193		
	NOIE	S No PID available			EASTING 612425.454		
= 65 BURMA.GPJ	O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm) GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS
] S E				0.3 ASPHALT		7.7	
BORING LOGS/SITE	 	GB S01		Brownish Gray f-m loose, dry	SAND, some coarse angular gravel,		soil sample collected @ 1-1.5' BGS
KMA GIN I		301		1.8 Reddish Gray f-m	SAND, trace rounded quartz gravel,	6.2	
DA I A\BU	2.5		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	loose, dry		5.3	
IELD				dry	me coarse angular fill, semi dense,		soil sample collected @ 3-3.5' BGS
03-05/_r		GB S02	*****	3.3 Dark Brown m-c S. dense, dry	AND, little coarse angular fill, semi	4.8	
OME\SI IE				quartz gravel, dens	AND, some shells, trace rounded se, moist ar FILL, semi dense, moist	4.0 3.7	
- CHR	 5.0			Brownish Red coa dense, moist	rse SAND, little coarse angular gravel,	3.0	soil sample collected @ 5-5.5' BGS
OKANIMOKANIPPG		GB S03		Reddish Brown silt lenses, trace coars	ry SAND, little grayish yellow silt se angular gravel, dense, wet		soil sample collected @ 5-5.5 BGS
- WTREFS01/COMMON/M	 7.5	GB S04					soil sample collected @ 7-7.5' BGS
- 5/20/ 10 09:28				8.5		-0.5	
7/0 -				Gray silty SAND, o	dense, wet]	
US LAB.GUI		GB S05					soil sample collected @ 9-9.5' BGS
SIDU	10.0			10.0		-2.0	
	10.0	I	1.7.7.4		m of borehole at 10.0 feet.	-2.0	
/IRONMENTAL BH - GINT							

BORING NUMBER BRN09 PAGE 1 OF 1

CBI	CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314
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DRILLING DRILLING LOGGED	G CONTRACTOR _E G METHOD _Track r D BY _K. Treacy	EPI mounted G	Geoprobe		GROUND ELEVATION 8 ft GROUND WATER LEVEL: DURING DRILLING 5.00 ft / Elev		
DRILLING LOGGED NOTES _	G METHOD _Track r	mounted G	Geoprobe			3 00 ft	
LOGGED NOTES _	BY K. Treacy						
NOTES _				by J. Alexander			
DEPTH (ft)	Щ				EASTING 612301.591		
DEPTH (ft)	m l						
0.0	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS
0.0			0.3	ASPHALT		7.7	
+	GB S01),), 0		Gray coarse angula loose, dry	ar GRAVEL, some gray f-m sand,		soil sample collected @ .5-1' BGS
-	PI	o	2.0	Black f-m ASH, ser		6.0 5.8	
2.5	GB PI	ID = 21.6	2.5	Ref f-m SAND, sen Brown f-m SAND, t	ni dense, dry race silt, trace coarse angular gravel,	5.5	soil sample collected @ 2.5-3' BG
1	S02	ID = 244	3.0	trace marble, trace	wood loose, dry	5.0	
5.0	P	PID = 4.8	5.0 ₹		some gravel, loose, wet, staining,	3.0	Staining @ 5 -10' BGS , Odor @ 6-7' BGS
-	PI	ID = 214	6.0	Gray SLATE, stain	ing	2.0	
7.5	GB S03	ID = 131	7.0	staining	ar FILL, some black ash, loose, wet,	0.3	soil sample collected @ 7.5-8' BG
			8.3	wet, staining	dy SILT, fine rounded gravel, dense,	-0.3	
_	P	PID = 4.5	9.0	Black coarse angul gravel, dense, wet,	ar FILL, some ash, little fine angular staining	-1.0	
		ID = 24.9		Brown sandy SILT, wet, staining	some wood, some organics, dense,		soil sample collected @ 9.5-10'
10.0	GB S04		10.0			-2.0	BGS
		,		_	n of borehole at 10.0 feet.		

BORING NUMBER BRN09A PAGE 1 OF 1

	Telephone: 60 Fax: 6095886				PROJECT NAME Burma Road				
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE	DATE STARTED <u>10/21/15</u> COMPLETED <u>10/21/15</u>								
DRILL	ING CONTRACTOR	EPI			GROUND WATER LEVEL:				
DRILL	ING METHOD Trac				_ <u></u> DURING DRILLING 5.00 ft / Elev	3.00 ft			
				D BY _J. Alexander					
1	S				EASTING 612283.66				
		1							
65 BURMA.GPJ O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS		
SITE			0.3	ASPHALT		7.7			
SINT BORING LOGSK	GB S01			Gray coarse angul	ar GRAVEL, some gray f-m SAND,		soil sample collected @ 1-1.5' BGS		
MA -			0 2.0	_		6.0			
BUR		PID = 12.2		NO RECOVERY					
31TE 63-65\ FIELD DATA\		PID = 19.3	3.5	Brown f-m SAND, little wood, dense,	some silt, some fine angular gravel, moist	4.5			
ME/S									
위 -			4.6			3.4			
ပ္ပုံ 5.0			5.0		some wood, dense, moist	3.0			
4 J	GB		0.0	Brown f-m SAND,	loose, wet		soil sample collected @ 5-5.5' BGS		
N/MORAN/MORA	S02	PID = 14.2	10/ \0/	Black coarse angu	lar GRAVEL, some coal, some ash,	2.0	Staining, odor, sheen @ 6 -10' BGS		
7.5 – – – – – – – – – – – – – – – – – – –	GB \$03			isoco, roi, otaliilig			soil sample collected @ 7-7.5' BGS		
- 188 _			0 80	_		0.0			
T - 5/20/16 09		PID = 1.2		Black coarse angu some wood, loose,	lar GRAVEL, some coal, some ash, wet, staining	-1.0			
B.G.	GB	PID = 0.9	11/1/11		e organics, little wood, dense, wet,		soil sample collected @ 9-9.5' BGS		
13 L4 1 − −	S04		<u> </u>	staining					
10.0			10.0	1		-2.0			
N L					n of borehole at 10.0 feet.				
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \ TREFSO71/COMMON/MORAN/MO									

BORING NUMBER BRN10 PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

	Telephone: 60 Fax: 6095886:	314			PROJECT NAME Burma Road			
PROJ	IECT NUMBER 151				PROJECT LOCATION Burma Rd. Jersey City, NJ			
DATE	DATE STARTED 10/22/15 COMPLETED 10/22/15 DRILLING CONTRACTOR EPI			GROUND ELEVATION 8 ft	OLE SIZE 3 inches			
					•			
			Geopro		□ DURING DRILLING 4.00 ft / Elev 4	L NN ft		
				CKED BY J. Alexander	-	r.00 It		
NOTE			0	o. Alexander	EASTING 612496.242			
					012100:212		_	
HTAINING CONTRON I BOX BOY THELD DAINING TOUGH BOX BOX MIN. GP. 0 (1) (1) (2) (3) (4)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATE	ERIAL DESCRIPTION		REMARKS	
<u> </u>				_{0.3} ASPHALT		7.7		
	GB	PID = 281		Dark Brown m SAN loose, dry	D, some coarse angular gravel,		soil sample collected @ 1-1.5' BGS	
표 드	S01							
A GIL				1.7 Black f-m ASH, sen	ni dense, dry	6.3		
	-							
2.5								
P D D A			$\times\!\!\times\!\!\times$	2.7 Medium Brown f-m	SAND. little ash, little brick, little	5.3		
라 -	OP	PID = 26.6			scovite, semi dense, dry	4.8	soil sample collected @ 3-3.5' BGS	
-659	GB S02	1 12 20.0		Light Brown silty SA	AND, some fine angular gravel, some			
E 63				moist	ce white coarse sand lenses, dense,			
	<u> </u>	PID = 14.6		4.0 ▼ Brown silty SAND	ittle fine angular gravel, little brick,	4.0		
∑ O Y		1 15 14.0		dense, wet	inte inte angular graver, inte brick,			
5 -	-							
5.0		PID = 22.6		5.0 Dark Brownish Blace	k f-m SAND, some wood, little	3.0	soil sample collected @ 5-5.5' BGS	
Y Y	GB S03	1 10 - 22.0		coarse angular grav				
O								
有 子 -	-	DID = 6.3						
		PID = 6.2						
 -	-							
<u>-</u>		DID = 2.5		7.0		1.0	soil sample collected @ 7-7.5' BGS	
7.5	GB S04	PID = 3.5		gravel, dense, wet	ome light brown silt lenses, little shale			
Y 7.0								
87. 	-	PID = 0.9						
0		PID = 0.9						
9/20	-							
ğ		DID = 0.7					soil sample collected @ 9-9.5' BGS	
ABC	GB S05	PID = 0.7						
<u> </u>								
10.0				10.0	of boundaries at 4000	-2.0		
				Bottom	of borehole at 10.0 feet.			
- -								
₫								
Z Z								
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/18 09/28 - NITREFSOT/COMMOUNING 1. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.								

BORING NUMBER BRN10A PAGE 1 OF 1

DD0 "	T PPG								
PROJECT NUMBER 151136 COMPLETED 10/22/15					PROJECT LOCATION Burma Rd. Jersey City, NJ GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DATE STARTED 10/22/15 COMPLETED 10/22/15 DRILLING CONTRACTOR EPI				PLETED 10/22/15		но	JLE SIZE 3 INCHES		
			Geonr		GROUND WATER LEVEL:	3 00 ft			
				CKED BY _J. Alexander	-	3.00 11			
	S				EASTING 612478.348				
O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATI	ERIAL DESCRIPTION		REMARKS		
0.0				0.3 Asphalt		7.7			
 					m SAND, some coarse angular ish, loose, dry		soil sample collected @ 1-1.5' BGS		
-	GB S01						-		
2.5		PID = 34.4			SAND, little black ash, little yellow s, little coarse angular gravel, little se, dry	5.7	soil sample collected @ 3-3.5' BG		
	GB S02	PID = 33		3.3	von donos dos	4.7			
- †		PID = 33		Red coarse SAND,	very derise, dry	4.2	2		
 		PID = 42.4		Grayish brown f-m	SAND, some coarse subrounded ed quartz gravel, trace wood, semi				
5.0		PID = 34.3		5.0 V	ck f-m SAND, some coarse angular	3.0	soil sample collected @ 5-5.5' BG		
	GB S03	PID = 34.3		gravel, semi dense					
				16.8		1.2	Otaliain a		
- +		PID = 24		Dark brownish blac	k f-m SAND, some coarse angular		Staining @ 6.8-8.3' BGS soil sample collected @ 7-7.5' BGS		
7.5	GB S04	PID = 53.1		graver, some iiii, iia	ace wood, semi dense, wet, staining				
				8.8		-0.8			
- +	GB	PID = 28.6		Red sandy SILT, so shale gravel, dense	ome light brown silt lenses, some		soil sample collected @ 9-9.5' BG		
_	S05	DID = -		27.5.0 9.5701, 451100	·,				
		PID = 7.5		10.0		-2.0			
10.0			1.11.1.1.	J10.0	n of borehole at 10.0 feet.	-2.0			

BORING NUMBER BRN11

PAGE 1 OF 1



CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 10/23/15	COMPLETED 10/23/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:				
DRILLING METHOD Track mounted	Geoprobe	DURING DRILLING 6.00 ft / Elev 2.00 ft				
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680603.775				
NOTES		EASTING 612532.277				

0.0 DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
_	GB S01	PID = 51.7		Gray coarse angular GRAVEL, some f-m dark brown sand, loose, dry	7.7	soil sample collected @ 0.5-1' BGS
	GB S02	PID = 28.5		Red m-c SAND, loose, dry 2.2 Black f-m ASH, semi dense, dry	<u>6.3</u> 5.8	acil comple collected @ 2.2.5! DOG
2.5		PID = 38		Grayish Black coarse angular FILL, semi dense, dry Black coarse angular FILL, some coal, semi dense, dry	5.3	
·		PID = 31.7 PID = 25.1		Brown f-m SAND, little coarse angular gravel, little silt, semi dense, moist NO RECOVERY	3.8	
5.0	GB S03	PID = 8.7		Brown f-m SAND, little coarse angular gravel, little silt, semi dense, moist	2.3	Soil samplecollected @ 5-5.5 BGS
		PID = 2.6		Red Brick COBBLES, wet Gray f-m SAND, some coarse angular fill, little brick, loose, wet	1.8	
7.5	GB S04	PID = 0.4		Gray f-m SAND, some coarse angular gravel, little brick, loose, wet	0.8	soil sample collected @ 7-7.5' BG
		PID = 1.8		NO RECOVERY	0.7	
10.0				Bottom of borehole at 10.0 feet.	-2.0	

BORING NUMBER BRN11A PAGE 1 OF 1

	Fax: 6095886							
CLIEN	IT PPG				PROJECT NAME Burma Road			
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Jersey City, NJ			
DATE	STARTED 10/23/1	5	COM	PLETED 10/23/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches			
DRILL	ING CONTRACTOR	EPI			GROUND WATER LEVEL:			
DRILL	ING METHOD Trac	k mounted	Geopro	be	_ DURING DRILLING 5.50 ft / Elev 2.50 ft DURING DRILLING 5.50 ft / Elev 2.50 ft			
LOGG	SED BY K. Treacy		CHEC	KED BY J. Alexander	NORTHING 680579.731			
NOTE	s				EASTING 612514.232			
ЕРТН (ft)	LE TYPE	ONMENTAL FA (ppm)	APHIC LOG	MATE	ERIAL DESCRIPTION REMARKS			

65 BURMA.GPJ O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
FIELD DATA/BURMA GINT BORING LOGS/SITE 65 BURMA.GPJ C DEPTI (1) (1) (1)	GB \$01	PID = 101		ASPHALT Gray coarse angular GRAVEL, some f-m brown sand, loose, dry	7.7	soil sample collected @ 1-1.5' BGS
D DATA/BURMA GIN		PID = 417	.00	Red m-c SAND, loose, dry	6.0	
E/SITE 63-65 FIEL	GB S02	PID = 148		Black f-m ASH, semi dense, dry 8.5 Red m-c SAND, semi dense, dry 8.0 Brownish Gray coarse angular FILL, some m-c brown	4.5	Soil Salliple Collected @ 3-3.5 BGS
RANIPPG - CHROM	GB S03	PID = 19.1 PID = 20.4		SAND, trace muscovite, semi dense, moist Brown m-c SAND, trace silt, trace brick, semi dense, moist 5.5	3.5 2.5	soil sample collected @ 5-5.5' BGS
5/20/16 09:28 - \\TREFS01\COMMON\MORAN\MORAN\MORAN\PPG - CHROME\SITE 63.65\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		PID = 3529 PID = 180		Grayish Black f-m SAND, trace subrounded gravel, semi dense, wet Black f-m SAND, some f-m ASH, some wood, semi dense, wet	1.8	
28 - MTREFS01/CO	GB \$04	PID = 3529		Reddish Gray sandy SILT, little shale gravel, little gray silt lenses, very dense, wet 7.7 Red m-c SAND, little shale gravel, little silt, very dense, wet	0.3	soil sample collected @ 7-7.5' BGS
1	GB S05	PID = 160		9.2	1.2_	soil sample collected @ 9-9.5' BGS
ENVIRONMENTAL BH - GINT STD US LAB.GDT 0 0 0	S05			Reddish Gray sandy SILT, little shale gravel, little gray silt lenes, very dense, wet Bottom of borehole at 10.0 feet.	-2.0	
NVIRONMENTAL BH						

BORING NUMBER BRN12 PAGE 1 OF 1

	Trenton, NJ 08 Telephone: 60 Fax: 6095886	095886328					
CLIEN	NT PPG				PROJECT NAME Burma Road		
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd.	Jersey (City, NJ
DATE	STARTED 10/22/1	5	COM	PLETED 10/22/15	GROUND ELEVATION 8 ft	но	OLE SIZE 3 inches
	ING CONTRACTOR						
DRILL	ING METHOD Trac	ck mounted (Geopro	bbe	☑ DURING DRILLING 6.00 ft / Elevery 1.	2.00 ft	
			CHEC	CKED BY J. Alexander	NORTHING 680656.647		
NOTE	S			_	EASTING 612569.032		
O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		RIAL DESCRIPTION		REMARKS
0				0.3 ASPHALT		7.7	
	GB	PID = 7.1		sand, loose, dry	GRAVEL, some light brown f-m		soil sample collected @ 1.5-2' BGS
2.5	S01	PID = 3.9	, O C		SAND, some coarse angular dry	6.2	
5		PID = 2.2		2.7 Black f-m ASH, sem	i dense dry	5.3	
<u>-</u>	<u>- </u>			Black coarse angula	5.0		
5			\bowtie	coal, dry, semi dens		soil sample collected @ 3.5-4' BGS	
П .	GB S02	PID = 4.1		3.8		4.2	_
<u> </u>	302		Reddish Brown silty sand, little coarse angular gravel, dense, moist				
5.0	-	PID = 4.3		4.0	r FILL, dense, moist	3.7	
0.0		PID = 1.8	(XXX)		f-m SAND, trace angular gavel,		soil sample collected @ 5.5- 6' BGS
	GB S03	FID = 1.0		Ā			
		PID = 1.7		7.0		1.0	
7.5				Gray coarse angular	FILL, dense, wet		
07.60	GB S04	PID = 3.5			um- coarse SAND, some coarse black ash, little green silty sand dense, wet	0.3	soil sample collected @ 7.5-8' BGS
		PID = 13.7		·			
	GB	_		9.2 Grayish Brown medi subangular fill, trace	um- coarse SAND, some wood, dense, wet	-1.2	soil sample collected @ 9.5-10'
10.0	S05			10.0		-2.0	
ENVIRONMENTAL BH - GINT IS TO US LAB. GD - 5/20/16 09/23 - 1/1 REF-50/1C/OMMONAMORANINOR				воттом	of borehole at 10.0 feet.		

BORING NUMBER BRN12A PAGE 1 OF 1

PR∩ I	IT <u>PPG</u> ECT NUMBER <u>151</u> 1				PROJECT LOCATION Burma Rd Jersey City N.L.			
			COMPI	ETED 10/22/15	PROJECT LOCATION Burma Rd. Jersey City, NJ			
DATE STARTED 10/22/15 COMPLETED 10/22/15 DRILLING CONTRACTOR EPI					-	_ "	JLE SIZE 5 INCHES	
				KED BY _J. Alexander	_	1.00 11		
NOTE	-		011201	<u>0.7110/km/ac/</u>	EASTING 612549.349			
O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS	
			0.	3 ASPHALT		7.7		
 		PID = 4.4		Gray coarse angul loose, dry	ar GRAVEL, some light brown sand,	6.2		
	GB	PID = 5.1		Dark Brown mediu gravel, semi dense	m SAND, some coarse angular		soil sample collected @ 2-2.5' BGS	
2.5	S01		2.	.5		5.5		
			<u>2.</u>	Black f-m ASH, se	<u> </u>	5.2		
		PID = 19	3. ××××		<u>-</u>	4.8		
- 4			₩ 3	Black f-m ASH, se	mi derise, moist	4.3		
					bangular coarse FILL, some coal,		"	
_	GB S02	PID = 20.4		semi dense, moist			soil sample collected @ 4-4.5' BGS	
5.0		PID = 11.3	5.		AND, little coarse gravel, semi dense,			
· –				moist	NND, illie coalse glavel, sellii delise,			
		PID = 0.2		. –				
	GB	PID = 0.3	XXX '	Gray coarse subar	ngular FILL, some gray f-m sand, semi	1.0	soil sample collected @ 7-7.5' BGS	
7.5	S03		8.	dense, wet		0.0		
-		PID = 1.1		Gray f-m SAND, lit	tle gravel, semi dense, wet			
		DID - 0	9.	2		-1.2	soil sample collected @ 9-9.5' BGS	
	GB S04	PID = 0		Gray coarse subar	ngular FILL, some gray f-m sand, semi	-1.2	_	
-				dense, wet				
10.0	i I		XXXX11	0.0		-2.0		

BORING NUMBER BRN13A PAGE 1 OF 1

Telephone: 6095886328 Fax: 6095886314								
CLIENT PPG		PROJECT NAME Burma Road						
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey 0	City, NJ					
DATE STARTED 10/22/15	COMPLETED 10/22/15	GROUND ELEVATION 8 ft Ho	OLE SIZE 3 inches					
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:						
DRILLING METHOD Track mounted	Geoprobe	DURING DRILLING 5.00 ft / Elev 3.00 ft						
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680673.938						
NOTES		EASTING 612581.502						
(ft) (ft) IPLE TYPE IUMBER RONMENTAL ATA (ppm)	LOG LOG	ERIAL DESCRIPTION	REMARKS					

o DEPTH	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
	GB S01	PID = 281		0.3 ASPHALT Dark Brown medium SAND, some coarse angular gravel, loose, dry	7.7	soil sample collected @ 0.5-1' BGS
0.0 DEDLI	GB S02	PID = 26.6 PID = 14.6		2.5 Black f-m ASH, semi dense, dry 3.0 Black coarse angular FILL, some black ash, little coal, semi dense, dry	5.5 5.0	soil sample collected @ 2.5-3' BGS
5.0 - 7.5	GB \$03	PID = 22.6		5.0 ▼ Black coarse angular FILL, some black ash, little coal, semi dense, wet	3.0	soil sample collected @ 4.5-5' BGS
	GB S04	PID = 6.2		6.5 Grayish black coarse angular FILL, semi dense, wet	1.5	soil sample collected @ 6.5-7' BGS
7.5	S04	PID = 3.5		7.5 Grayish brown coarse SAND, some coarse subrounded	0.5	
		PID = 0.9		gravel, some wood, loose, wet		soil sample collected @ 8.5-9' BGS
	GB S05	PID = 0.7			-1.5	
10.0				Gray coarse angular FILL, some gray coarse sand, semi	-2.0	
				bollom of borehole at 10.0 feet.		

		CB&I 200 Horizon Co Trenton, NJ 08	691			-	OKING	PAGE 1 OF 1	
		Telephone: 60 Fax: 6095886							
		IT PPG				PROJECT NAME Burma Road			
		ECT NUMBER 151				PROJECT LOCATION Burma Rd. Jersey City, NJ			
				COM	PLETED 10/21/15	GROUND ELEVATION 8 ft	НС	OLE SIZE 3 inches	
- 1		ING CONTRACTOR		Georg	nha		TI 2 00 #		
- 1	DRILLING METHOD Track mounted Geoprobe								
- 1		S No PID available			<u> </u>	EASTING 612241.224			
5 BURMA.GPJ	DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATE	ERIAL DESCRIPTION		REMARKS	
SITE 6	0.0				0.3 ASPHALT		7.7		
LOGS/E	-					r GRAVEL, some f-m grayish bro			
T BORING	_	GB S01	PID = 1.5						
A GIN	_			000					
3URM 	-		PID = 34.1	~\(\frac{1}{2}\)	Red f-m SAND, trac	e rounded quartz gravel, semi	6.0		
ATA	2.5				dense, dry				
	_				3.0		5.0		
35_FI		GB S02	PID = 28.3		Black COAL, dry 3.5		4.5		
E 63-6	-				Gray f-m SAND, sei	mi dense, moist	4.5		
ESIT	-		PID = 70.9		4.2		3.8		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_				Gray f-m SAND, son moist	me coal, trace wood, semi dense	,		
<u>-</u> 0	5.0		PID = 312		5.0 ▼		3.0		
	5.0	GB			Grayish Brown f-m	SAND, some gravel, trace coal,	3.0		
COMMON/MORAN/MOR	-	\$03			loose, wet		1.0		
FS017	_	GB S04			Black COAL, some	black ASH, little wood, little slag,		Odor @ 7-8.5' BGS	
6 09:28 - \\TRE	7.5 -	304			semi dense, wet, oc	IOI			
5/20/1	-				8.5 Red sandy SILT, so	me gravel, little shale, dense, we	-0.5 et		
	_				, , , , , , , , , , , , , , , , , , , ,	<u> </u>			
LAB.G		GB S05							
Sna	-								
NT ST	10.0		<u> </u>		10.0 Bottom	of borehole at 10.0 feet.	-2.0		
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMONWORANWORANWORANPPG - CHROME\SITE 63-65_FIELD DATABURMA GINT BORING LOGS\SITE 65 BURMA.GPJ									

BORING NUMBER BRS01A PAGE 1 OF 1

CLIEN	T PPG				PROJECT NAME Burma Road		
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Jersey City, NJ		
DATE	STARTED 10/21/1	5	COMP	PLETED 10/21/15	GROUND ELEVATION 8 ft	HOLE SIZE 3 inches	
DRILL	ING CONTRACTOR	EPI			_ GROUND WATER LEVEL:		
DRILL	ING METHOD Trac	k mounted	Geopro	be	<u> </u>	3.00 ft	
LOGG	ED BY K. Treacy		CHEC	KED BY J. Alexander	NORTHING 680217.194		
NOTE	s				EASTING 612220.311		
	Щ	٩Ľ					
DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATE	ERIAL DESCRIPTION	REMARKS	
0.0				ASPHALT			
_			\circ	0.3	r GRAVEL, some f-m grayish brown	7.7	
	GB 1		500	sand, loose, dry	- ,		
-		PID = 0.7	POQ				
-							
			000	2.0		6.0	
		PID = 6.3		Red f-m SAND, loo	se, dry		
2.5	GB	PID = 2.1					
_	2			3.0		5.0	
		PID = 12.8		Black f-m ASH, sen	ni dense, dry ar FILL, some coal, little f sand, semi	4.8	
_				dense, moist	ar rice, some coar, indie r sand, semi	4.3	
_		PID = 5.1		Black sandy SILT, s dense, moist	some brick, some gravel, trace coal,		
_	GB	PID = 5.3					
5.0	3	PID = 8.2		5.0 ▼ Black sandy SILT s	some gravel, loose, wet	3.0	
_					J = -, - ,		
				e n		2.0	
-		PID = 52.4		6.0 Black COAL (1-2 cr	m) some black ash, semi dense, wet	2.0	
_							
	GB 4			7.0		1.0	
_		PID = 13.2		Red sandy SILT, so	ome shale, some organics, dense,		
7.5				wet			
_				8.0		0.0	
		PID = 18.1		Brown silty SAND,	some gravel, trace wood, dense, wet		
-							
-		PID = 14.4					
		14.4 – טו ון					
	GB 5						
10.0	3			10.0Bottom	of borehole at 10.0 feet.	-2.0	
				Bottom	i oi borenole at 10.0 feet.		

BORING NUMBER BRS02 PAGE 1 OF 1

CLIENT PPG		PROJECT NAME Burma Road
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ
DATE STARTED 6/19/15	COMPLETED 6/19/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:
DRILLING METHOD Track mounted	Geoprobe	_ DURING DRILLING 5.00 ft / Elev 3.00 ft
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680261.301
NOTES No PID available.		EASTING 612262.487

grayish	T 7.5 Black coarse angular GRAVEL, some f-m brown sand, loose, dry
2.5 Reddish	ooil comple collected @ 2 F 2' PC
S01 3.0 Gravish	n ASH, loose, dry 5.0 Back coarse angular FILL, some coarse angular race coal, loose, moist
5.0 Shark co	sarse angular GRAVEL, some coarse sand, et, odor, staining 3.0 soil sample collected @ 5-5.5' BG, sheen @ 5-5.5' BGS, staining ar odor @ 5-10' BGS
7.5	al COBBLES, loose, wet, sheen, odor, staining 0.5 arse angular GRAVEL, some wood, loose, wet, sining
GB S04 C 10.0	soil sample collected @ 9.5-10' BGS -2.0 Bottom of borehole at 10.0 feet.

BORING NUMBER BRS03

PAGE 1 OF 1

CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LO	CATION Burma Rd. Jers	ey City, NJ		
DATE STARTED 10/20/15	COMPLETED 10/20/15	GROUND ELE	VATION 8 ft	HOLE SIZE 3 inch	ies	
DRILLING CONTRACTOR EPI		_ GROUND WATER LEVEL:				
DRILLING METHOD Track mounted	Geoprobe	abla During Dr	ILLING 7.00 ft / Elev 1.0	0 ft		
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING _	680308.574			
NOTES No PID available for 3-10' Bo	GS	EASTING	612298.301			

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
	GR	PID = 3.7	0.3	ASPHALT Gray coarse angular Gravel, some grayish brown m sand, loose, dry	7.7
2.5	GB S01 GB S02	PID = 35.4 PID = 424	2.3	Red m-c SAND, little rounded quartz, semi dense, dry Black f-m ASH, semi dense, dry	5.7
 			3.3	Blackish Gray coarse FILL, some angular gravel, semi dense, moist	4.7
5.0	GB S03		4.3	Reddish brown sandy SILT, some gravel, semi dense, moist	3.7
			6.0	Blackish Gray coarse FILL, some angular gravel, little f sand, dense, moist Grayish Brown sandy SILT, little gravel, dense, moist	2.0
			7.0	Blackish Gray coarse FILL, some angular gravel, little	1.0
7.5	GB S04	_	8.0	sand, semi dénse, wet Brown f-m SAND, some subrounded gravel, dense, wet	0.0
· -			9.5		-1.5
10.0	GB S05		<u>\langle</u> \langle \lan	Brown organic PEAT, trace wood, dense, wet Bottom of borehole at 10.0 feet.	-2.0

BORING NUMBER BRS03A PAGE 1 OF 1

	Fax: 6095886	314							
CLIEN	IT PPG				PROJECT NAME Burma Road				
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE	STARTED 10/21/1	5	COMP	LETED 10/21/15	_ GROUND ELI	EVATION _	8 ft H	OLE SIZE 3 inches	
DRILL	ING CONTRACTOR	EPI			GROUND WATER LEVEL:				
DRILLING METHOD Track mounted Geoprobe					DURING DRILLING _5.00 ft / Elev 3.00 ft				
LOGG	SED BY K. Treacy		CHEC	KED BY J. Alexander	NORTHING	680282.2	208		
NOTE	s				_ EASTING _	612278.7	708		
H	TYPE	/ENTAL	HC						

O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
(t)) ODEDITION				.3 ASPHALT Gray coarse angular Gravel, some f-m grayish brown sand, loose, dry	7.7	
	GB S01	_	000	.0	6.0	soil sample collected @ 1.6-2.1' BGS
2.5	GB S02	PID = 46.5		Red f-m SAND, semi dense, dry .5	5.5	soil sample collected @ 2.2-2.7' BGS
	<u> </u>	PID = 40		Black f-m ASH, trace gravel, trace coal, semi dense, dry		
		PID = 51.6	3	Black coarse angular FILL, some angular gravel, trace coal, semi dense, moist	4.7	
		PID = 21.6	4	Reddish brown sandy SILT, little gravel, dense, wet	3.8	soil sample collected @ 4.6-5.1'
5.0	GB S03	_	1.1 1.1	Black coarse angular GRAVEL, some f-m ASH, loose, wet, odor, staining	3.0	BGS Staining and odor @ 5-10' BGS
		PID = 51		.5	1.5	
		DID 575		Black f-m ASH, somoe coarse angular gravel, loose, wet, odor, staining		soil sample collected @ 7-7.5' BGS
7.5	GB S04	PID = 575	7	.5 Black coarse angular FILL, some coal, some gravel,	0.5	
		PID = 281	8	little f-m ash, semi dense, wet, odor, staining	-0.5	
	GB			Black f-m SAND, some coal, some gravel, some wood, semi dense, wet, odor, staining		soil sample collected @ 9-9.5' BGS
+	GB S05					
10.0			<u>[: [:]:]</u> 10	0.0 Bottom of borehole at 10.0 feet.	-2.0	
10.0						

BORING NUMBER BRS04 PAGE 1 OF 1

· data decession ·					
CLIENT PPG	PROJECT NAME Burma Road				
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 6/19/15 COMPLETED 6/19/15	GROUND ELEVATION _8 ft HOLE SIZE _3 inches				
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:				
DRILLING METHOD Track mounted Geoprobe	_ DURING DRILLING 5.00 ft / Elev 3.00 ft				
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680334.549				
NOTES No PID available	EASTING 612315.859				

DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm) GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
0.0			ASPHALT	7.5	
2.5	GB S01		2.0 Blackish Gray f-m ASH, semi dense, dry	6.0	soil sample collected @ 2-2.5' BGS
			3.0 Black f-m ASH, semi dense, dry 3.5	5.0 4.5	
			Black coarse angular FILL, some m-c sand, some coarse angular gravel, medium dense, dry Reddish gray f-m SAND, some silt, race brick, dense,	4.0	
5.0			dry 5.0 ▼	3.0	anii aannala aallaatad O. F. F. F. DOO
	GB S02		Black f-m ASH, some coarse sand, semi dense, wet, odor		soil sample collected @ 5-5.5' BGS odor @ 5-10' BGS
			7.0 Black f-m SAND, some f-m ash, some coarse angular	1.0	
7.5	GB S03		gravel, little fine rounded gravel, semi dense, wet, odor		soil sample collected @ 7.5-8' BGS
			8.8 Brownish black m-c SAND, some green silt, loose, wet, odor	-0.8	
10.0	GB S04		10.0	-2.0	soil sample collected @ 9.5-10' BGS
			Bottom of borehole at 10.0 feet.		

BORING NUMBER BRS05 PAGE 1 OF 1

CB&I 200 Horizon Center

ROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Je	ersey C	City, NJ
DATE STARTED 10/20/15 COMPLETED			COMPLET	ED 10/20/15	10/20/15 GROUND ELEVATION 8 ft HOLE SIZE		
	ING CONTRACTOR				_ GROUND WATER LEVEL:		
RILL	ING METHOD Tra	ck mounted (Geoprobe		$\underline{\nabla}$ DURING DRILLING 6.00 ft / Elev 2	2.00 ft	
					NORTHING 680382.539		
OTE	s						
; (#)).0	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS
			0.3	ASPHALT		7.7	
-	GB S01			Gray coarse angul sand, loose, dry	ar GRAVEL, some f-m brownish gray		soil sample collected @ 1.2-1.7' BGS
-		PID = 1.8	0 2.0	Black f-m ASH, se			
.5_	GB S02		2.3		lar GRAVEL, some f-m brownish grray $_{ au}$	5.7 5.5	soil sample collected @ 2.2-2.7' BGS
	S02	PID = 44.6	1	sand, semi dense,	dry		
-			3.0	Black f-m ASH, se	mi dense, dry ılar FILL, loose, dry	5.0 4.7	
-		PID = 12.3	XXX 3.3		, little coarse angular gravel, dense,	4.7	
-	OB	PID = 4.4	4.2	Black porous lithifi	ed ASH, dense, wet	3.8 3.7	soil sample collected @ 4.2-4.7'
-	GB S03	PID = 35.2		Grayish Brown silty SAND, some gravel, dense, moist			
5.0 -		PID = 114	5.0	Grayish Black f-m brick, semi dense,	SAND, little rounded fine gravel, trace wet	3.0	
-		PID = 1.7		¥			soil sample collected @ 6.2-6.7'
_	GB S04	-					BGS
.5		PID = 0.3					
-	GB S05	PID = 29.9	8.5	Black f-m ASH, tra	ace coal, semi dense, wet	-0.5	soil sample collected @ 8.2-8.7' BGS
.0			9.7	Brownish Black sa semi dense, wet	ndy SILT, some peat, some organics,	-1.7 -2.0	
				Bottor	m of borehole at 10.0 feet.		

BORING NUMBER BRS05A PAGE 1 OF 1

CLIENT PPG		PROJECT NAME Burma Road			
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ			
DATE STARTED 10/20/15	COMPLETED 10/20/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches			
DRILLING CONTRACTOR EPI		_ GROUND WATER LEVEL:			
DRILLING METHOD Track mounted 0	Geoprobe	□ DURING DRILLING 5.00 ft / Elev 3.00 ft			
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680357.555			
NOTES		EASTING 612333.649			

0.0 DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
_	GB		0.:	ASPHALT Gray coarse angular GRAVEL, some grayish brown sand, loose, dry	7.7	soil sample collected @ 0.5-1' BGS
	S01	PID = 10.2	0000			
		PID = 41.6	0 2.0	Red m-c SAND, little rounded quartz, semi dense, dry	6.0	
2.5	GB S02	PID = 60.7	2.9	Black f-m ASH, semi dense, dry	5.5	soil sample collected @ 2.5-3' BGS
		PID = 23.2	3			
		PID = 119	3.	Black coarse angular FILL , some black ash, little coal, semi dense, dry	4.3	
.	0.0	PID = 296	3° 0° 4.	Reddish Gray coarse rounded GRAVEL, some m-c	3.8	soil sample collected @ 4.5-5' BG:
5.0	GB S03	PID = 26.5	5.0	Black f-m ASH, trace coarse gravel, semi dense, wet Blackish Gray coarse FILL, some angular gravel, dense,	3.0	
		PID = 17.2		wet		
. =		PID = 24.9				
	GB S04					soil sample collected @ 6.5-7' BG
7.5		PID = 82.9 PID = 71.7				
.	GB	PID = 71.7	8.0	Black SLAG, little f-m sand, dense, wet	0.0	soil sample collected @ 8-8.5' BG
1	GB S05		≯ Û \$.	Gray m-c SAND, some coarse angular gravel, little slag,	-0.5	
		PID = 6.7		gense, wet		
10.0			10	Bottom of borehole at 10.0 feet.	-2.0	

BORING NUMBER BRS05A-A CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

NOTES Auger and Vac to 6' BGS, Green staining observed 7-10' BGS EASTING

CLIENT PPG PROJECT NAME Burma Road PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ GROUND ELEVATION 8 ft HOLE SIZE 1 inches DATE STARTED 3/18/16 ____ COMPLETED 3/18/16 DRILLING CONTRACTOR EPI **GROUND WATER LEVEL:** DRILLING METHOD Track-mounted Geoprobe $-\nabla$ **DURING DRILLING** 6.00 ft / Elev 2.00 ft LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680357.6

612333.6

PAGE 1 OF 1

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \(\text{17REFS01\COMMON\MORAN\PPG}\) COMMON\MORAN\PPG - CHROME\SITE 63-65\(\text{1}\) FIELD DATA\BURMA GINT BORING LOGS\(\text{SITE}\) 65 BURMA.GPJ	O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION REMARKS			
SITE			PID = 0		Same As BRS05A			
G LOGS/(-		PID = 0					
SORIN	_		PID = 0					
A GINT B	_		PID = 0					
\BURM	2.5		PID = 0					
LD DATA	2.5		PID = 0					
FIE	_		PID = 0					
TE 63-6	_		PID = 0		Black coarse metal impacted FILL, some black ash, little fine angular gravel, loose, dry	4.5		
OME\SI	_		PID = 0		into angular gravor, 16000, dry			
G-CHR	5.0		PID = 0					
RAN\PP	5.0		PID = 0					
SAN/MO	_	GB S01	PID = 0		6.0 ▼	2.0	soil sample collected @ 5.5-6' BGS for UCONN	
N/MOF	_		PID = 0		Blackish green coarse metal impacted FILL, some fine angular gravel, trace slag, loose, wet			
OMMO	-		PID = 0		angula grator, alabo olog, roose, not			
EFS01/C	7.5		PID = 0					
3-NTRE	7.5	GB S02	PID = 0				soil sample collected @ 7.5-8' BGS for UCONN	
16 09:28	_	GB S03	PID = 0				soil sample collected @ 8-8.5' BGS for UCONN	
T - 5/20/	-	GB S04	PID = 0				soil sample collected @ 8.5-9' BGS	
AB.GD	-	GB S05	PID = 0				soil sample collected @ 9-9.5' BGS	
D US	40.0	GB S06	PID = 0				soil sample collected @ 9.5-10' BGS	
SINT ST	10.0	GB S07	PID = 0	11, 1	10.0 Brown Meadow Mat, organic	-2.0	soil sample collected @ 10-10.5' BGS	
BH-O	_	307		<u> </u>				
Ā					11.0	-3.0		
NME	Bottom of borehole at 11.0 feet.							
VIRO								
Ш N								

BORING NUMBER BRS06 PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328

	Fax: 6095886314						
CLIENT	PPG				PROJECT NAME Burma Road		
PROJEC	CT NUMBER _15113	6			PROJECT LOCATION Burma Rd. Je	ersey C	City, NJ
DATE STARTED 6/19/15 COMPLETED 6/19/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches							DLE SIZE 3 inches
	IG CONTRACTOR $_$				_ GROUND WATER LEVEL:		
1					$-\underline{\nabla}$ DURING DRILLING 6.00 ft / Elev 2	2.00 ft	
			CHECKE	D BY J. Alexander	NORTHING 680407.177		
NOTES	No PID available						
O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS
			0.5	ASPHALT		7.5	
			0.5	Grayish Black coar grayish brown sand	rse angular GRAVEL, some f-m d, loose, dry	7.5	
	GB		0 (2.0	Black f-m ASH, se	mi dense, dry	6.0	soil sample collected @ 2-2.5' BGS
2.5	S01		3.0		some m-c sand, some coarse	5.0	
			.	angular gravel, me	dium dense, moist		
			4.0	Gray f-m SAND, lo	ose, moist	4.0	
5.0	GB		5.0	Black coarse FILL,	some m-c sand, some coarse	3.0	soil sample collected @ 5-5.5' BGS
	S02				dium dense, moist		
<u> </u>			6.0	Grav m-c SAND li	ttle coarse subangular gravel, loose,	2.0	
7.5				wet ,	and course casarigatal gravel, recoo,		
7.5	GB S03						soil sample collected @ 7.5-8' BGS
	\$03		8.5			-0.5	
				Reddish Gray f-m s wet	SAND, some silt, some gravel, dense,		soil sample collected @ 9.5-10'
10.0	GB S04		10.	n		-2.0	BGS
10.0	I		<u>,</u>		n of borehole at 10.0 feet.	-2.0	

BORING NUMBER BRS07 PAGE 1 OF 1

CLIENT PPG	PROJECT NAME Burma Road
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ
DATE STARTED <u>10/20/15</u> COMPLETED <u>10/20/15</u>	GROUND ELEVATION 8 ft HOLE SIZE 3 inches
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:
DRILLING METHOD Track mounted Geoprobe	□ DURING DRILLING 5.00 ft / Elev 3.00 ft
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680454.565
NOTES No PID available for 6.5-10' BGS	EASTING 612403.989

65 BURMA.GPJ O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
5/20/16 09:28 - \text{\texi}\text{\text{\text{\text{\text{\text{\t	GB S01	PID = 44		ASPHALT Gray coarse angular GRAVEL, some yellowish brown f-m SAND, loose, dry Black f-m ASH, semi dense, dry Yellowish Gray coarse FILL, little coal, semi dense	6.5	soil sample collected @ 1-1.5' BGS
ME/SITE 63-65 <u>,</u> FIELD DATAN 7.5 7.5 7.7 7.7 7.7 7.7	GB S02	PID = 35.5	3	Brownish Gray silty SAND, some angular gravel, little fill, dense, moist Brownish Black coarse FILL some coal, some bentonite,	4.5	soil sample collected @ 3-3.5' BGS Odor @ 4-4.5' BGS
RANIMORANIPPG - CHRON	GB S03	PID = 1053	5	dense, moist, odor Gray m-c SAND, dense, wet Brown silty SAND, some fill, little wood, trace rounded quartz gravel, dense, wet	3.5	soil sample collected @ 5-5.5' BGS
- "TREFS01/COMMON/MO	GB S04	PID = 235		Black coarse angular FILL, some coal, semi dense, wet, sheen, odor Brownish Gray m-c SAND, trace coarse angular gravel, dense, wet	1.5	Sheen and Odor @ 6.5-7' BGS soil sample collected @ 7-7.5' BGS
1	GB S05		8	Reddish Brown sandy SILT, little clay lenses, little shale, dense, wet	-0.5	soil sample collected @ 9-9.5' BGS
ENVIRONMENTAL BH - GINT STD US LAB.GDT 0 0 0				Bottom of borehole at 10.0 feet.	-2.0	

BORING NUMBER BRS07A PAGE 1 OF 1

PROJECT NUMBER 151136 PROJECT LOCATION Burma Rd. Jersey City, NJ DATE STARTED 10/20/15 COMPLETED 10/20/15 GROUND ELEVATION 8 ft HOLE SIZE 3 inches DRILLING CONTRACTOR EPI DRILLING METHOD Track mounted Geoprobe LOGGED BY K. Treacy CHECKED BY J. Alexander NORTHING 680427.458 NOTES EASTING 612383.152	PROJECT NUMBER 151136	CLIEN	IT PPG				PROJECT NAME Burma Road		
DRILLING CONTRACTOR _EPI GROUND WATER LEVEL: DRILLING METHOD _Track mounted Geoprobe DURING DRILLING _5.00 ft / Elev 3.00 ft LOGGED BY _K. Treacy CHECKED BY _J. Alexander NORTHING _680427.458 NOTES EASTING 612383.152	DRILLING CONTRACTOR _EPI GROUND WATER LEVEL: DRILLING METHOD _Track mounted Geoprobe DURING DRILLING _5.00 ft / Elev 3.00 ft LOGGED BY _K. Treacy CHECKED BY _J. Alexander NORTHING _680427.458 NOTES EASTING 612383.152	1					-	ersey (City, NJ
DRILLING METHOD _Track mounted Geoprobe	DRILLING METHOD _Track mounted Geoprobe	DATE	STARTED 10/20/1	5	COM	PLETED 10/20/15	GROUND ELEVATION 8 ft	н	OLE SIZE 3 inches
LOGGED BY _K. Treacy CHECKED BY _J. Alexander NORTHING680427.458 NOTES	LOGGED BY _K. Treacy CHECKED BY _J. Alexander NORTHING680427.458 NOTES	DRILL	ING CONTRACTOR	EPI			GROUND WATER LEVEL:		
LOGGED BY K. Treacy	LOGGED BY _K. Treacy CHECKED BY _J. Alexander NORTHING680427.458 NOTES	DRILL	ING METHOD Trac	ck mounted	Geopro	bbe	_ DURING DRILLING 5.00 ft / Elev	3.00 ft	
NOTES	NOTES EASTING								
AL BRANKS AL B	MATERIAL DESCRIPTION REMARKS 0.0 0.1 ASPHALT 7.7 Soil sample collected @ 0.5-1 PID = 28.7 PID = 472 PID = 48.6 PID = 24.9 PID = 38.7 PID = 24.9 PID = 18.6 PID = 22.7 PID = 17.5 PID = 27.7 PID = 17.5 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4	NOTE	s				EASTING 612383.152		
ASPHALT GB S01 PID = 28.7 PID = 42.2 PID = 24.9 PID = 48.6 PID = 38.7 Soil sample collected @ 6.6.1	0.3 ASPHALT Case Soll Soll Sample collected @ 0.5-1 Case Soll Soll Soll Sample collected @ 0.5-1 Case Soll Soll Soll Soll Sample collected @ 0.5-1 Case Soll Soll Soll Soll Sample collected @ 0.5-1 Case Soll Soll Soll Soll Sample collected @ 0.5-1 Case Soll Soll Soll Soll Sample collected @ 0.5-1 Case Soll Soll Sample collected @ 0.5-1 Case Soll Soll Soll Sample collected @ 0.5-1 Case Soll Soll Sample collected @ 0.5-1 Case Soll Sample collected @ 0.5-1		111	7					
ASPHALT 7.7 Gray coarse angular GRAVEL, some yellowish brown silty sand, semi dense, dry PID = 28.7 Soil sample collected @ 0.5- soil sample collected @ 2.5- soil sample collected @ 4.5- Gray m-c SAND, semi dense, moist soil sample collected @ 4.5- soil sample collected @ 4.5- soil sample collected @ 6.6- T.5 PID = 422 Soil sample collected @ 6.6- Soil sample collected @ 6.6	0.3 ASPHALT 7.7 Soli sample collected @ 0.5-1		SAMPLE TYPE NUMBER	ENVIRONMENTA DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS
GB Soll PID = 28.7 PID = 38.7 GB PID = 192 Black m-c SAND, some dense, moist Soil sample collected @ 4.5-1 Soil sample collected @ 4.5-1 Soil sample collected @ 4.5-1 Soil sample collected @ 6.6.1 Soil sample collected @ 6.6.1 Soil sample collected @ 6.6.1 PID = 38.7 Black coarse ASH, some coal, semi dense, wet PID = 18.6 PID = 24.9 PID = 17.5 PID = 24.9 PID = 17.5 PID = 17.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet soil sample collected @ 6.6.1	GB S01 PID = 28.7 Soil sample collected @ 0.5-1 soil sample collected @ 2.5-3 soil sample collected @ 6.5-5 PID = 22.7 PID = 11.4 PID = 11.4	0.0				0.3 ASPHALT		77	
PID = 28.7 PID = 28.7 Black f-m ASH, semi dense, dry 2.5 Soil sample collected @ 2.5-soil sample collected @ 4.5-soil sample collect	PID = 28.7 PID = 38.7 Soil sample collected @ 2.5-3 soil sample collected @ 4.5-5 Soil sample collected @ 4.5-5 Soil sample collected @ 6.6-5 PID = 38.7 PID = 38.7 PID = 24.9 PID = 18.6 PID = 22.7 PID = 17.5 PID = 22.7 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PI					Gray coarse angul			soil sample collected @ 0.5-1' BGS
PID = 28.7 Black f-m ASH, semi dense, dry 5.5	PID = 28.7				200				
2.5 Since the property of th	2.5 Black rink Ash, selfin dense, dry 2.6 Brown f-m SAND, some gravel, some brick, little coal, semi dense, dry PID = 28.7 PID = 28.7 PID = 28.7 PID = 192 5.0 PID = 192 5.0 PID = 472 PID = 472 PID = 422 PID = 422 Gray m-c SAND, semi dense, moist 5.0 PID = 38.7 Gray m-c SAND, semi dense, moist 6.5 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, semi dense, soil sample collected @ 6-6.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet PID = 18.6 PID = 22.7 PID = 11.4 Black rink ASH, selfin dense, dry 5.5 Soil sample collected @ 6-6.5 Discrete and the semi dense, wet Soil sample collected @ 6-6.5	-		DID = 29.7	. 00	2.0	mi danca day	6.0	
Brown f-m SAND, some gravel, some brick, little coal, semi dense, dry PID = 28.7 PID = 28.7 PID = 226 A.0 PID = 226 A.0 PID = 192 A.0 PID = 192 Gray m-c SAND, semi dense, moist Soil sample collected @ 4.5-4 Black m-c SAND, some ash, some coal, semi dense, wet Wet Black m-c SAND, semi dense, moist Gray m-c SAND, semi dense, moist 5.0 Gray m-c SAND, semi dense, moist 6.5 PID = 38.7 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet PID = 18.6 PID = 17.5 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4 PID = 11.4	Brown f-m SAND, some gravel, some brick, little coal, semi dense, dry PID = 28.7 PID = 28.7 PID = 22.7 PID = 22.7 PID = 192 5.0 PID = 472 PID = 472 PID = 472 PID = 472 PID = 38.7 Black m-c SAND, some ash, some coal, semi dense, wet PID = 422 Gray m-c SAND, semi dense, moist 5.0 PID = 38.7 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet PID = 18.6 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4	2.5		1 10 - 20.7			mi dense, dry	5.5	
PID = 226 GB PID = 192 5.0 PID = 472 PID = 422 Black m-c SAND, semi dense, moist Black m-c SAND, some ash, some coal, semi dense, wet Black m-c SAND, semi dense, moist 6.0 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, semi dense and lenses, little wood, semi dense, wet PID = 24.9 PID = 18.6 PID = 17.5 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4	PID = 226		GB S02	PID = 28.7		Brown f-m SAND,	some gravel, some brick, little coal,		soil sample collected @ 2.5-3 BGS
PID = 226 GB PID = 192 5.0 PID = 472 PID = 472 PID = 422 6.0 Gray m-c SAND, semi dense, moist Black m-c SAND, some ash, some coal, semi dense, wet Black m-c SAND, semi dense, moist 6.5 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, semi dense and lenses, little wood, semi dense, wet PID = 24.9 PID = 18.6 PID = 17.5 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4	PID = 226								
Soll sample collected @ 4.5-4 Soll sample collected @ 4.5-4 PID = 472 PID = 422 PID = 38.7 Sold PID = 24.9 PID = 18.6 PID = 18.6 PID = 22.7 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4 PID = 11.4	Solution			PID = 226		4.3 CONCRETE			
Black m-c SAND, some ash, some coal, semi dense, wet PID = 472 PID = 422 6.0 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet PID = 18.6 PID = 22.7 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4 PID = 11.4 PID = 472 Black m-c SAND, some ash, some coal, semi dense, moist 6.5 0.5 0.5 PID = 24.9 PID = 18.6 PID = 18.6 PID = 11.4 Soil sample collected @ 8.5-4 Soil sample collected @ 8.5-4	Black m-c SAND, some ash, some coal, semi dense, wet PID = 472 PID = 422 6.0 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet PID = 18.6 PID = 22.7 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4 PID = 11.4 PID = 11.4 PID = 472 Black m-c SAND, some ash, some coal, semi dense, moist 6.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet Soil sample collected @ 8.5-9 Soil sample collected @ 8.5-9 Soil sample collected @ 8.5-9			PID = 192			emi dense, moist		soil sample collected @ 4.5-5' BGS
PID = 422 GB S04 PID = 38.7 FID = 24.9 PID = 18.6 PID = 22.7 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4 PID = 422 Gray m-c SAND, semi dense, moist 6.5 Gray m-c SAND, semi dense, moist 6.5 Gray m-c SAND, semi dense, moist 1.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet 7.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet Soil sample collected @ 8.5-4 Soil sample collected @ 8.5-4	PID = 422 6.0 GB S04 PID = 38.7 FID = 24.9 PID = 18.6 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PID = 11.4 PID = 11.4 PID = 11.4 PID = 422 6.0 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet 7.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet PID = 11.4	5.0		PID = 472		Black m-c SAND, s	some ash, some coal, semi dense,	3.0	
GB S04 PID = 38.7 Gray m-c SAND, semi dense, moist 1.5 PID = 24.9 PID = 18.6 7.5 PID = 22.7 PID = 17.5 PID = 17.5 PID = 11.4 PID = 38.7 Gray m-c SAND, semi dense, moist 1.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet 7.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet Soil sample collected @ 6-5.8 PID = 11.4	GB S04 PID = 38.7 Gray m-c SAND, semi dense, moist 6.5 Black coarse ASH, some coal, some gray fine sand lenses, little wood, semi dense, wet PID = 18.6 PID = 22.7 PID = 22.7 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 GB S05 PID = 11.4 PID = 18.6 PID = 18.6 PID = 11.4 PID =			PID = 422		6.0		20	
PID = 18.6 PID = 22.7 PID = 17.5 PID = 17.5 PID = 17.5 PID = 11.4 PID = 18.6 PID = 18.6 PID = 11.4 PID = 18.6 PID =	PID = 18.6 PID = 22.7 PID = 22.7 PID = 17.5 PID = 17.5 PID = 11.4 PID = 18.6 PID = 18.6 PID = 22.7 PID = 17.5 PID = 11.4 PID = 11.4 PID = 18.6 PID = 22.7 PID = 11.4		GB S04	PID = 38.7		Gray m-c SAND, s	emi dense, moist		soil sample collected @ 6-6.5 BGS
7.5 PID = 22.7 PID = 17.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet Soil sample collected @ 8.5-4	7.5 PID = 22.7 PID = 17.5 PID = 17.5 GB S05 PID = 11.4 PID = 11.4 7.5 Orangish Brown sandy SILT, little coarse angular gravel, dense, wet soil sample collected @ 8.5-9								
PID = 17.5 GB S05 PID = 11.4	DID = 17.5 dense, wet Soil sample collected @ 8.5-9 PID = 11.4 dense, wet PID = 11.4 dense, wet 10.0 -2.0	7.5						0.5	
Soil sample collected @ 8.5-4	Soil sample collected @ 8.5-9 PID = 11.4 10.0 soil sample collected @ 8.5-9						andy SILT, little coarse angular gravel,		
PID = 11.4	PID = 11.4 1.1 10.0 -2.0			PID = 17.5					soil sample collected @ 8.5-9' BGS
	10.0		GB S05	DID = 44.4					
10.0		 		PID = 11.4					
		10.0				10.0		-2.0	
				•			n of borehole at 10.0 feet.		

BORING NUMBER BRS08 PAGE 1 OF 1

CLIENT PPG		PROJECT NAME Burma Road
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ
DATE STARTED 6/19/15	COMPLETED <u>6/19/15</u>	GROUND ELEVATION 8 ft HOLE SIZE 3 inches
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:
DRILLING METHOD Track mounted	Geoprobe	_ DURING DRILLING 5.00 ft / Elev 3.00 ft
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680479.151
NOTES No PID available		EASTING 612421.41

O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
				ASPHALT 0.5	7.5	
0.0 0.0 2.5				Grayish black coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	7.0	
			000	2.0	6.0	
2.5			200	Orangeish brown coarse angular GRAVEL, some f-m orange sand, some silt, semi dense, dry	5.5	
				Red fine SAND, trace rounded quartz gravel, loose, dry		
	GB S01			Black f-m ASH, trace coarse angular gravel, semi	5.0 4.5	soil sample collected @ 3-3.5' BGS
				Orange f-m SAND some rounded quartz gravel, trace coal, semi dense, moist	7.0	
				Blackish Gray coarse SAND, some subrounded gravel, trace coal, semi dense, moist, odor	3.8	Odor @ 4.2-6' BGS
5.0				5.0 Y SAA, wet	3.0	
	GB S02					soil sample collected @ 5.5-6' BGS
	302			Grayish red m-c SAND, little schist gravel, dense, wet	2.0	
7.5						
7.0	GB S03					soil sample collected @ 7.5-8' BGS
				Grayish red f SAND, loose, wet	0.0	
				9.0	-1.0	
				Grayish red m-c SAND, little schist gravel, dense, wet		
10.0	GB S04			10.0	-2.0	soil sample collected @ 9.5-10' BGS
10.0	ı	I	12225.1	Bottom of borehole at 10.0 feet.	∪ _	

BORING NUMBER BRS09 PAGE 1 OF 1

Telephone: 6095886328 Fax: 6095886314						
CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 10/19/15	COMPLETED 10/19/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:				
DRILLING METHOD Track mounted	Geoprobe	_ DURING DRILLING 5.00 ft / Elev 3.00 ft				
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680516.084				
NOTES No PID available		EASTING 612447.567				
DEPTH (ft) MPLE TYPE NUMBER IRONMENTAL	SRAPHIC LOG LOG	ERIAL DESCRIPTION REMARKS				

REMARKS
soil sample collected @ 1-1.5' BGS
soil sample collected @ 2-2.5' BGS
soil sample collected @ 4-4.5' BGS
soil sample collected @ 6-6.5' BGS
soil sample collected @ 8-8.5' BGS
soil sample collected @ 9.5-10' BGS

BORING NUMBER BRS09-A

PAGE 1 OF 1

PROJECT NAME Burma Road				
PROJECT LOCATION Burma Rd. Jersey City, NJ				
GROUND ELEVATION 8 ft HOLE SIZE 1 inches				
GROUND WATER LEVEL:				
☐ DURING DRILLING 5.00 ft / Elev 3.00 ft				
NORTHING 680516.1				
EASTING 612447.567				

B	0.0 (#)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	REMARKS
SITE			PID = 0		Same As BRS09	
3 LOGS			PID = 0			
BORIN			PID = 0			
V GINT	-		PID = 0			
BURM			PID = 0			
DATA	2.5		PID = 0			
FIEL	-		PID = 0			
TE 63-66	-		PID = 0			
OME\SIT	-		PID = 0			
- CHR(-		PID = 0			
AN\PPG	5.0		PID = 0	4	5.0 Black f-m ASH, some brown fine sand, semi dense, wet	0
NIMOR	-		PID = 0	3		
MORA	-		PID = 0			
OMMC	-		PID = 0			
FS01/C	-		PID = 0		7.0 Brown silty SAND, some fine rounded gravel, dense,	0
- NTRE	7.5		PID = 0		wet	
16 09:28	-	GB S01	PID = 0			soil sample collected @ 8-8.5' BGS for UCONN
- 5/20/	-		PID = 0			
AB.GDT	-		PID = 0			
TSDQ	-		PID = 0			
SINT ST	0.0	GB S02	PID = 0			soil sample collected @ 10-10.5' BGS
L BH - C	+	GB S03	PID = 0		11.0	soil sample collected @ 10.5-11' BGS
MENTA	+	GB S04	PID = 0	71 7	11.0 -3. Brown Meadow Mat, organic	soil sample collected @ 11-11.5' BGS
VIRON -	+	304		<u> </u>		
Ш					12.0 -4.	o

BORING NUMBER BRS09A PAGE 1 OF 1

	Telephone: 60958 Fax: 6095886314				PROJECT NAME Burma Road				
	ECT NUMBER _151136				PROJECT LOCATION Burma Rd. Jersey City, NJ				
	STARTED 10/19/15		COMPLE	TED 10/19/15					
	ING CONTRACTOR E			10/10/10			<u> </u>		
	ING METHOD Track r				DURING DRILLING 7.00 ft / Elev	1 00 ft			
1	ED BY K. Treacy				-				
	S No PID available		OHLORE	O. Alexander	EASTING 612438.337				
1.0.2	THE TIP UVANIABLE				2.12.100.007		_		
o DEPTH o (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS		
<u> </u>			0.3	ASPHALT		7.7			
			;00°	Gray coarse angula	ar GRAVEL, some brown f-m sand,				
			0 0 1.0	. ,	AND	7.0	soil sample collected @ 1-1.5' BGS		
	GB S01		1.5	Grayish Red f-m Sa	AND, semi dense, dry	6.5	_		
<u> </u>				Black f-m ASH, sei	mi dense, dry				
<u> </u>			2.0	Prownish Plack on	arse angular FILL, semi dense, dry	6.0			
2.5				DIOWIIISII DIACK CO	arse angular FILL, serili derise, dry				
5									
<u>-</u>	CD		3.0	Brownish Black silt	y SAND, some gravel, little wood,	5.0	soil sample collected @ 3-3.5' BGS		
	GB S02			little coal, dense, m					
(#) 0.0 10.0	GB \$03		5.0	Reddish Brown f-m semi dense, moist	n SAND, little coarse angular gravel,	3.0	soil sample collected @ 5-5.5' BGS		
7.5	GB \$04		7.0	little coal, dense, w		1.0	soil sample collected @ 7-7.5'BGS		
	GB S05			Reddish Brown silt lenses, trace brick,	y SAND, some grayish gren silt dense, wet		soil sample collected @ 9-9.5' BGS		
10.0			10.0			-2.0			
10.0			<u>r. 1. 1. 1 10.0</u>	Botton	n of borehole at 10.0 feet.	-2.0	I		
NVIKONMEN I AL BH - G									

BORING NUMBER BRS10 PAGE 1 OF 1

CLIENT PPG	PROJECT NAME Burma Road					
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ					
DATE STARTED <u>6/19/15</u> COMPLETED <u>6/19/15</u>	GROUND ELEVATION 8 ft HOLE SIZE 3 inches					
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:					
DRILLING METHOD Track mounted Geoprobe	_ Ţ DURING DRILLING 5.00 ft / Elev 3.00 ft					
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680552.409					
NOTES No PID available	EASTING 612475.173					
В 4						

O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
THELD THE AMBURING COURSE IT SO BURING COURSE				ASPHALT 0.5 Gray coarse angular GRAVEL, some f-m grayish brown sand, loose, dry	7.5	
	GB S01			Black m-c ASH, trace fine angular gravel, semi dense, dry Black very fine ASH, semi dense, dry Gray Bentonite- like material , dense, dry Black m-c ASH, trace f angular gravel, semi dense, dry	5.5 5.0 4.7	soil sample collected @ 2-2.5' BGS
2 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	GB S02			Red BRICK Brown medium SAND, some coarse angular gravel, little brick, dense, moist SAA, wet	4.0 3.8 3.0	soil sample collected @ 5-5' BGS
2.5 - 1.0 0.526 -	GB 803			Reddish Brown f-m SAND, some silt, some brick, trace clay, semi dense, wet	1.0	soil sample collected @ 7.5-8' BGS
1	GB S04			10.0 Bottom of borehole at 10.0 feet.	-2.0	soil sample collected @ 9.5-10' BGS
10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0				bottom of borefiole at 10.0 feet.		

BORING NUMBER BRS11 PAGE 1 OF 1

CLIEN	Fax: 6095886314				PROJECT NAME Burma Road				
PROJ	ECT NUMBER _151136	6			PROJECT LOCATION Burma Rd. Jersey City, NJ GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DATE	STARTED 10/19/15		COMPLE	TED 10/19/15					
1	ING CONTRACTOR _								
1					_ $oxedsymbol{igsigma}$ during drilling $oxedsymbol{ extit{7.00 ft/Elev}}$	1 00 ft			
				DBY J. Alexander	=				
1	S No PID available		•		EASTING 612500.047				
		1							
O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS		
0.0			0.3	ASPHALT		7.7			
-					SAND, some coarse angular gravel,				
			1.0	loose, dry		7.0			
-				Brown m-c SAND,	little fine rounded gravel, trace				
-				muscovite, loose, o	ary				
							"		
_	GB						soil sample collected @ 2-2.5' BGS		
2.5	S01		2.5	CONCRETE		5.5			
			3.0	OONONETE		5.0			
				Brownish Black f-n gravel, dense, dry	n silty SAND, some subrounded fine				
-				graver, derise, dry					
			4.0			4.0	soil sample collected @ 4-4.5' BGS		
	GB S02			Gray fine SAND, lit dry	ttle coarse subangular gravel, loose,		Soil sample collected @ 4-4.5 BGS		
-	502			ury					
5.0			5.0			3.0			
				Brown silty f-m SA	ND some subrounded coarse gravel, gray fine sand lenses, loose, dry				
				udoo wood, udoo g	gray into carra terreces, reces, ary				
L _							soil sample collected @ 6-6.6' BGS		
	GB S03						30.1. 50.1. pie 30.100.00 @ 0 0.10 200		
-									
			7.0	Ţ		1.0			
7.5				Grayish Brown coa gravel, semi dense	arse SAND, some coarse angular				
7.5				3 · · · · · · · · · · · · · · · · · · ·	,				
			8.0			0.0	soil sample collected @ 8-8.5' BGS		
	GB S04				ndy SILT, some coarse angular w gray clay lenses, dense, wet				
-									
-	GB						soil sample collected @ 9.5-10' BGS		
10.0	S05		10.0	D-#		-2.0			
0.0				BOLLON	n of borehole at 10.0 feet.				
1									

PODING NUMBED PDC44A

		CB&I 200 Horizon Cer Trenton, NJ 086 Telephone: 609 Fax: 609588631	91 95886328			PAGE 1 OF			
	CLIEN	IT PPG				PROJECT NAME Burma Road			
		ECT NUMBER 1511	36			PROJECT LOCATION Burma Rd. Jersey City, NJ			
	DATE STARTED 10/19/15			COMPL	ETED 10/19/15			·	
		ING CONTRACTOR							
	DRILL	ING METHOD _Track	k mounted (Geoprobe		_ DURING DRILLING 6.50 ft / Ele	v 1.50 ft		
					ED BY J. Alexander				
	NOTE	S No PID available				EASTING 612487.994			
ENVIRONMENTAL BH - GINT STD US LAB GDT - 5/20/16 09:28 - \\TREFS01/COMMONWORANWORANWORANPG - CHROME\STE 63-65_FIELD DATA\BURMA GINT BORING LOGS\STE 65 BURMA.GPJ	O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS	
E (0.0			0.3	ASPHALT		7.7		
)GS)(-			· O C	Gray coarse angula	ar GRAVEL, some f-m brown sand,			
NG L	_			10 B	loose, dry			soil sample collected @ 4.4 ELDOO	
BORI		GB S01		, O ,				soil sample collected @ 1-1.5' BGS	
Į.	-	301		00					
SMA SMA)		6.0		
NBUF	2.5				Black coarse angul trace coal, semi de	ar FILL, some black ash, trace brick,			
DAT,	2.5				,	•			
								soil sample collected @ 3-3.5' BGS	
65_F		GB S02							
E 63	-								
E\SIT				XXX4.0		SAND, some schist, some black	4.0		
\ S S S	_			4.5	gravel, dense, mois	st	3.5		
ن ن	F 0			4		le wood, dense, moist	2.0		
MPP(N	5.0	GB		5.0		ar GRAVEL, some brown f-m sand,	3.0	soil sample collected @ 5-5.5' BGS	
IORA		S03			loose, moist				
AN				00 6.0)		2.0		
MOR	-				Reddish orange sil	ty SAND, trace gray silt lenses, trace			
Θ W					gravel, dense, mois	St			
SO CO								anil comple collected @ 7.7.5! DCC	
FS01		GB S04						soil sample collected @ 7-7.5' BGS	
TRE	7.5	304							
- 82	_								
16 09									
5/20/									
Ä								soil sample collected @ 9-9.5' BGS	
AB.		GB S05							
SNC	-								
TST	10.0			10		n of borehole at 10.0 feet.	-2.0		
S -					Dotton	. S. Soronoio at 10.0 loct.			
ᇤ									
ENTA									
MNO									
띩									

	CB&I 200 Horizon Co Trenton, NJ 08 Telephone: 60 Fax: 60958863	691 95886328			BORIN	G I	PAGE 1 OF 1
CLIEN	NT PPG				PROJECT NAME Burma Road		
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Jer	sey C	City, NJ
DATE	STARTED 10/19/1	5	СОМІ	PLETED 10/19/15	GROUND ELEVATION 8 ft	_ HC	OLE SIZE 3 inches
DRILL	ING CONTRACTOR	EPI			GROUND WATER LEVEL:		
DRILL	ING METHOD Trac	k mounted	Geopro	be	$\sqrt{}$ DURING DRILLING <u>4.50 ft / Elev 3.</u>	50 ft	
LOGG	SED BY K. Treacy		CHEC	KED BY J. Alexander	NORTHING 680528.758		
NOTE	S No PID available				EASTING 612455.679		
O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	МАТЕ	ERIAL DESCRIPTION		REMARKS
				loose, dry	r GRAVEL, some black f-m SAND,	7.7	
			300	1.5		6.5	
			-	Black 1-m ASH, 1008 2.0		6.0	soil sample collected @ 2-2.5' BGS
2.5	GB S01			Brownish Gray f-m strace gray silt lense	SAND, some gray gravel, trace brick, s, dense, moist	4.0	
	GB S02				ome coarse angular gravel, little fill, d, dense, wet	7.0	soil sample collected @ 4-4.5' BGS

ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \\TREFS01\COMMON\MORAN\MORAN\MORAN\PPG - CHROMEISITE 63-65_FIELD DATA\BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ SAA, wet soil sample collected @ 6-6.5' BGS 7.5 0.5 Grayish Red silty SAND, some subrounded cobbles, trace white silt lenses, dense, wet soil sample collected @ 8-8.5' BGS soil sample collected @ 9.5-10' BGS GB S05

Bottom of borehole at 10.0 feet.

BORING NUMBER BRS11B-A PAGE 1 OF 1

CBI	CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314
	Fax: 6095886314

CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 3/18/16	COMPLETED <u>3/18/16</u>	GROUND ELEVATION 8 ft HOLE SIZE 1 inches				
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:				
DRILLING METHOD Track-mounted 0	Geoprobe	DURING DRILLING 6.00 ft / Elev 2.00 ft				
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680528.8				
NOTES Auger and Vac to 6' BGS		EASTING 612455.7				

ENVIRONMENTAL BH - GINT STD US LAB GDT - 5/20/16 09:28 - \ TREFS01\COMMONWORAN\PPG - CHROME\STE 63-65_FIELD DATABURMA GINT BORING LOGS\STE 65 BURMA.GPJ	O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
SITE			PID = 0		Same as BRS11B		
LOGS			PID = 0				
30RING			PID = 0				
GINT			PID = 0				
BURMA			PID = 0				
DATA	2.5		PID = 0				
_FIELE			PID = 0				
E 63-65			PID = 0				
ME\SIT			PID = 0				
- CHRC			PID = 0				
\N\PPG	5.0		PID = 0				
N/MOR/			PID = 0				
MORA			PID = 0		Ţ		
MMON			PID = 0				
-S01/CC			PID = 2.5				
- NTREF	7.5		PID = 1		7.5 Grayish Red silty SAND, trace fine rounded gravel,	0.5	
3 09:28			PID = 0		dense, wet		
- 5/20/1			PID = 0				
B.GDT			PID = 0				
OUSLA			PID = 0				
INT ST	10.0	GB S01	PID = 0				soil sample collected @ 10-10.5' BGS
BH-G		GB S02	PID = 0				soil sample collected @ 10.5-11' BGS
1ENTAL		S02 GB S03	PID = 0	71 7	11.0 Brown Meadow Mat, organic	-3.0	soil sample collected @ 11-11.5' BGS
RON	-	S03		<u> </u>			
					12.0	-4.0	

BORING NUMBER BRS12 PAGE 1 OF 1

		Trenton, NJ 08691 Telephone: 60958 Fax: 6095886314						
	CLIEN	IT PPG				PROJECT NAME Burma Road		
		PROJECT NUMBER _151136					ersey (City, NJ
							Но	OLE SIZE 3 inches
	DRILL							
	DRILL	ING METHOD Track I	mounted	Geopro	obe	□ DURING DRILLING 7.00 ft / Elev 1	1.00 ft	
	LOGG	ED BY K. Treacy		CHEC	CKED BY J. Alexander	NORTHING680626.035		
	NOTE	S No PID available				EASTING 612526.927		
5 BURMA.GPJ	o DEPTH o (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATE	ERIAL DESCRIPTION		REMARKS
SITE	0.0				ASPHALT			
OGS/	-			000	0.5 Gray coarse angula	r GRAVEL, some f-m grayish brown	7.5	
NGL				300	sand, loose, dry			
BORI				000				
GINT				200				
RMA				200		and the second s	6.0	
A/BU	2.5				dense, dry	e rounded quarts, trace shells, semi		
DA								
빰		GB			3.0 Black m-c ASH, sor	ne m-c angular gravel, semi dense,	5.0	soil sample collected @ 3-3.5' BGS
3-65/		S01			_{3.5} dry		4.5	
OME\SITE 6					Grayish yellow m-c moist	SAND, some metal fill, semi dense,	2.5	
밤	_			****	Redish black f-m SA	AND, some metal fill , semi dense,	3.5	
PPG	5.0				_{5.0} moist SAA		3.0	soil sample collected @ 5-5.5' BGS
JRAN		GB S02			OAA			soil sample collected @ 5.5-6' BGS
N/W		GB S03			0.0		0.0	3011 3di ripie collected @ 0.0 0 Bec
MMON/MOR/					Black m-c SILT, little gravel, dense, mois	e f sand, trace coarse angular t	2.0	
100					7.0 T		1.0	
EFS0	7.5				gravel, trace wood,	ome silt, some coarse angular dense, wet		"
- NTR		GB						soil sample collected @ 7.5-8' BGS
09:28		S04						
0/16								
r - 5/2					0.0		4.0	
B.GD						some m-c sand, some coarse	-1.0	
IS LAI					angular gravel, little	coal, little shells, dense, wet		soil sample collected @ 9.5-10'
STD	10.0	GB S05			10.0	_	-2.0	BGS
SINT					Bottom	of borehole at 10.0 feet.		
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - NTREFS01/COMMONIMORANIMORANIPPG - CHROMEISITE 63-65_FIELD DATABURMA GINT BORING LOGSISTE 65 BURMA. GPJ								

BORING NUMBER BRS13

PAGE 1 OF 1

CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 10/19/15	COMPLETED 10/19/15	GROUND ELE	VATION 8 ft	HOLE SIZE 3 in	ches	
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:				
DRILLING METHOD Track mounted	Geoprobe	□ DURING DRI	ILLING 7.50 ft / Elev 0.50) ft		
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING _	680667.268			
NOTES No PID available for 7-10' RO	29	EASTING	612557 725			

о ОЕРТН	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
0.0	GB S01	PID = 0	0.3	ASPHALT Gray coarse angular GRAVEL, some f-m brownish gray sand, dry, loose	7.7	soil sample collected @ 0.5-1' BGS
2.5	GB S02	-	2.0	Grayish Red coarse angular GRAVEL, some grayish red m sand, trace silt, trace sea shells, loose, dry	6.0	soil sample collected @ 2-2.5' BGS
-	GB S03	PID = 0	00 (3.5	Plack f m ASH trace and comi donce dry	4.5	soil sample collected @ 3-3.5' BGS
5.0	GB S04	_	4.0	Black f-m ASH, trace coal, semi dense, dry Blackish Gray coarse FILL, little coal, little metal slag, loose, moist	4.0	soil sample collected @ 4.5-5' BG
	GB S05	PID = 152		Grayish black f-m SAND, some subangular gravel, loose, moist		soil sample collected @ 5.5-6' BG
7.5		PID = 0.4	7.0	Grayish Red coarse FILL, little rounded gravel, loose, moist Reddish brown silty SAND, little rounded gravel, trace coal, trace wood, trace schist, dense, wet	0.5	
- <u>-</u> - <u>-</u>	GB S06	_	8.5	Brownish Black silty SAND, some coarse angular gravel, little black ash, little gray sand lenses, little wood, little slag, little coal, little brick, dense, wet	-0.5	soil sample collected @ 9.5-10'
10.0	S06		10.0	Bottom of borehole at 10.0 feet.	-2.0	

BORING NUMBER BRS13A PAGE 1 OF 1

	Telephone: 609588632 Fax: 6095886314	28						
DATE	STARTED 10/19/15			GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
	LING CONTRACTOR EPI							
	ING METHOD Track mou			.50 ft				
1		CHECKED BY J. Alexander						
NOTE	No PID available		EASTING 612542.097					
O DEPTH (ft)	SAMPLE TYPE NUMBER ENVIRONMENTAL	GRAPHIC LOG	IATERIAL DESCRIPTION	REMARKS				
		0.3 ASPHALT		7.7				
		sand, loose, dry	gular GRAVEL, some yellowish brown f					
_	GB			soil sample collected @ 2-2.5' BGS				
2.5	S01	2.5	trace coal, semi dense, dry	5.5				
		3.5 Reddish Black of dense, dry	coarse angular FILL, some coal, semi	4.5 soil sample collected @ 4-4.5' BGS				
 5.0	GB S02	5.0		3.0				
 	-	Brownish Gray (loose, dry	m-c SAND, some coarse angular gravel,	soil sample collected @ 6-6.5' BGS				
 7.5	GB S03	7.5 ▼		0.5				
		Reddish Black of	coarse angular FILL, some black m-c	3.9				
	GB S04	8.0 sand, dense, we Brownish Black brick, dense, we	m-c silty SAND, some gravel, trace	soil sample collected @ 8-8.5' BGS				
	GB			soil sample collected @ 9.5-10' BGS				
10.0	GB S05	10.0		-2.0				
0.0 0.0 2.5 5.0 7.5 10.0		Bot	ttom of borehole at 10.0 feet.					

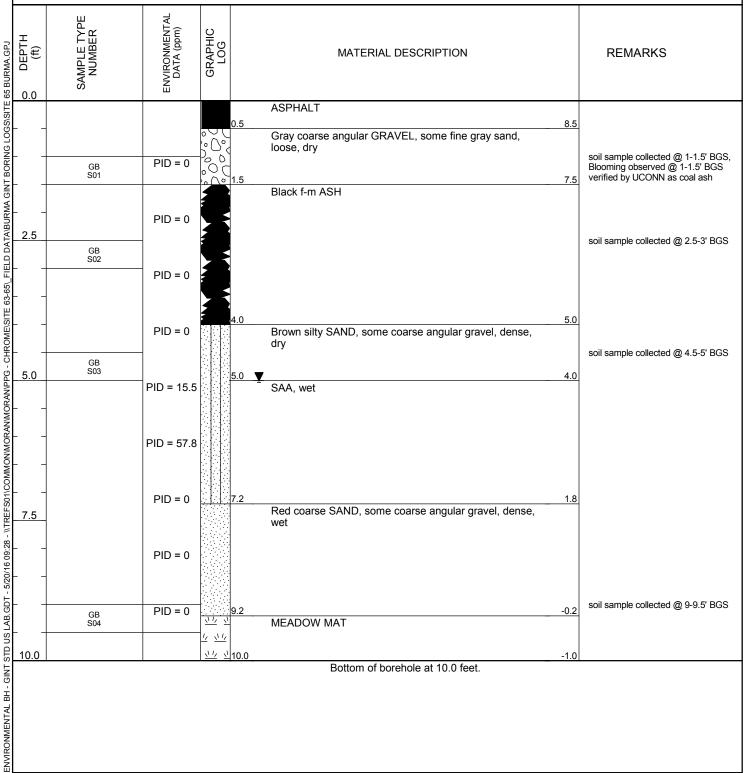
BORING NUMBER BRS13B PAGE 1 OF 1

	Telephone: 6095 Fax: 6095886314	886328 4					
CLIEN	IT PPG				PROJECT NAME Burma Road		_
PROJ	ECT NUMBER 15113	6			PROJECT LOCATION Burma Rd.	Jersey (City, NJ
DATE	STARTED 10/19/15		COMPLETE	D _10/19/15	GROUND ELEVATION 8 ft	н	OLE SIZE 3 inches
DRILL	ING CONTRACTOR _	EPI			GROUND WATER LEVEL:		
DRILL	ING METHOD Track	mounted G			□ DURING DRILLING 7.50 ft / Elev	0.50 ft	
					NORTHING 680607.923		
NOTE	S No PID available				EASTING 612513.68		
O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS
			0.3	ASPHALT		7.7	
	GB S01			Reddish Brown Med gravel, loose, dry	dium SAND, some coarse angular		soil sample collected @ 1-1.5' BGS
2.5			2.5	Displyf m ACLL con	ne coal, little fill, semi dense, dry	5.5	
				DIACK I-III ASH, SUII	ie coai, iittie iiii, seriii derise, dry		
	GB S02		S				soil sample collected @ 3-3.5' BGS
			4.5	Brownish Black f-m little brick, dense, m	SAND, some ash, little concrete,	3.5	
5.0	GB		5.0		SAND, some coarse angular gravel,	3.0	soil sample collected @ 5-5.5' BGS
	S03			loose, moist			soil sample collected @ 7-7.5' BGS
7.	GB S04					0.5	3011 Sample Collected @ 7-7.0 DCC
7.5			7.5 y	Reddish Brown silty gravel, dense, wet	SAND, trace clay, trace angular	0.5	
-	GB S05						soil sample collected @ 9-9.5' BGS
10.0		<u>. </u>	10.0	Rottom	of borehole at 10.0 feet.	-2.0	
				23.0			

BORING NUMBER MPD_A PAGE 1 OF 1

CLIEN	IT PPG				PROJECT NAME Burma Road			
	ECT NUMBER <u>151</u>				PROJECT LOCATION Burma Rd. Jersey City, NJ			
			COMPLETE	ED 10/27/15	GROUND ELEVATION 9 ft			
	ING CONTRACTOR							
DRILL	ING METHOD Trac	ck mounted			o DURING DRILLING 5.50 ft / Elev 3.50 ft			
				BY J. Alexander	_			
NOTE	S Blooming observ	/ed @ 2' BG	S		EASTING 612105.894			
O DEPTH O O(ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS	
				ASPHALT				
		PID = 0	0.5	Gray coarse angul semi dense, dry	ar GRAVEL, some brown f-m SAND,	8.5	soil sample collected @ 1.5-2' BGS	
- - 	GB S01		200			7.0	,	
2.5		PID = 0	0 72.0	Black f-m ASH, so dry	me coarse angular fill, semi dense,	7.0	Blooming @ 2' verified by UCONN as coal ash	
		DID 0	4				soil sample collected @ 3-3.5' BGS	
	GB S02	PID = 0					,	
- - -	GB	PID = 0	4.0	Brown silty SAND,	some coarse angular gravel, dense,	5.0	soil sample collected @ 4-4.5' BGS	
	S03			dry				
5.0			5.0			4.0		
3		PID = 0	5.5 T	CONCRETE		3.5		
5.0				Brown silty SAND,	some coarse angular gravel, dense,			
	GB	PID = 13.3		wet			soil sample collected @ 6-6.5' BGS	
	S04							
7.5		PID = 0	7.0	Red coarse SAND wood, semi dense	, some coarse angular gravel, little , wet	2.0		
10.0		PID = 0						
			9.0			0.0	soil sample collected @ 9-9.5' BGS	
3	GB S05	PID = 0	<u> </u>	MEADOW MAT			20.00.00	
			<u> </u>					
			10.0	Bottor	m of borehole at 10.0 feet.	-1.0		

CLIENT PPG	PROJECT NAME Burma Road					
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ					
DATE STARTED 10/30/15 COMPLETED 10/30/15	GROUND ELEVATION 9 ft HOLE SIZE 3 inches					
DRILLING CONTRACTOR EPI	_ GROUND WATER LEVEL:					
DRILLING METHOD Track mounted Geoprobe	$_$ DURING DRILLING 5.00 ft / Elev 4.00 ft					
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680178.062					
NOTES Blooming observed @1-1.5' BGS verified by UCONN as coal as	sh EASTING 612106.553					



BORING NUMBER MPD_B PAGE 1 OF 1

	NT PPG								
	IECT NUMBER 151								
					GROUND ELEVATION 10 ft	но	OLE SIZE 3 inches		
	LING CONTRACTOR								
					DURING DRILLING 6.00 ft / Elev 4.00 ft				
			CHECKED BY J. Alexander						
NOTE	:S	T			EASTING 612076.359				
O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS		
2				ASPHALT					
	GB	PID = 0	0.5		ar GRAVEL, some grayish brown f-m e, dry	9.5	soil sample collected @ 1-1.5' BGS		
	S01		0 1.5		me coarse angular fill, semi dense,	8.5			
2.5		PID = 0	2.3	dry Black fine ASH, de	•	7.7			
5			2.8		ense, dry	7.2			
-	GB S02	PID = 0.5	3.5	Black coarse angu	lar FILL, semi dense, dry	6.5	soil sample collected @ 3-3.5' BGS		
		PID = 0	4.5	dense, moist	some coarse angular gravel, semi	5.5	01.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
-			4 4 4	Stained WOOD			Staining observed from 4.5-6.33' BGS, odor observed from 5-6.33'		
5.0	GB	PID = 0	<i>></i> № 4 5.0	-	me brown f-m sand, some wood,	5.0	BGS soil sample collected @ 5-5.5' BGS		
5.0	S03	PID = 78.3	■ 6.3	loose, wet, odor, st	little coarse rounded gravel, trace	3.7			
				asii lelises, delise,	wet		soil sample collected @ 7-7.5' BGS		
7.5	GB S04	PID = 10.8	8.0			2.0	osmounipie sameure grand poe		
10.0		PID = 150		Dark Brown sandy	SILT, some organics, dense, wet				
	GB S05	PID = 12.6	1, 11,	MEADOW MAT		1.0	soil sample collected @ 9-9.5' BGS		
10.0			10.	0		0.0			
70.0	•		,,, ,,,,,,,,,,		n of borehole at 10.0 feet.	0.0			

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BORING NUMBER MPD_C PAGE 1 OF 1

	ECT NUMBER 1511								
					GROUND ELEVATION 11 ft HOLE SIZE 3 inches				
	ING CONTRACTOR								
			CHECKED	BY J. Alexander					
NOTE	S				EASTING 612046.829				
O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS		
			0.3	ASPHALT		10.7			
			0 0 1.0	sand, semi dense,	•	10.0	soil sample collected @ 1-1.5' BGS		
	GB S01	PID = 0	1.5	dry	trace coarse angular gravel, loose,	9.5	Son sumple conceded @ 1 1.0 Bee		
2.5		PID = 0		dense, dry	iai Fiel, some Fin Black ash, som				
	GB S02	PID = 0					soil sample collected @ 3-3.5' BGS		
 5.0		PID = 0	4.0	Brown silty SAND, dense, moist	trace fine angular gravel, trace wood,	7.0			
0.0	GB	PID = 0	3.0	SAA		0.0	soil sample collected @ 5-5.5' BGS		
	S03		5.5	Black f-m ASH, loc	ose, moist	5.5 5.0			
		PID = 0		Brown silty SAND, wood, dense, mois	trace coarse angular gravel, trace st		soil sample collected @ 7-7.5' BGS		
7.5	GB S04	PID = 4.3					son sample collected @ 1-1.5 BGS		
		PID = 12.4							
	GB S05	PID = 21.3	9.5			1.5	soil sample collected @ 9-9.5' BGS		
10.0			\(\frac{\sqrt{1}}{\sqrt{1}}\)	MEADOW MAT					
10.0			<u>// </u>	Bottor	m of borehole at 10.0 feet.	1.0	<u> </u>		

BORING NUMBER MPD_D PAGE 1 OF 1

CLIEN	T PPG				PROJECT NAME Burma Road			
					-			
					GROUND ELEVATION 12 ft HOLE SIZE 3 inches			
					GROUND WATER LEVEL:			
						11110		
LOGG	ED BY K. Treacy		CHECKED E	3Y J. Alexander				
NOTES	s				EASTING	612018.901		
O. DEPTH	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATE	ERIAL DESCRIP	TION		REMARKS
0.0			0.3	ASPHALT			11.7	
	GB S01	PID = 0		Gray coarse angula loose, dry	r GRAVEL, some	e brown f-m sand,		soil sample collected @ 1-1.5' BGS
			0 (1.8				10.2	
2.5	GB S02	PID = 0	2.5	Brown fine SAND, to			9.5	soil sample collected @ 2-2.5' BGS
 		PID = 0		Black f-m ASH, som dry	ne coarse angula	ır FILL, semi dense,		
<u> </u>		PID = 0						soil sample collected @ 4-4.5' BGS
	GB S03	110-0	4.5				7.5	
5.0		PID = 0	5.7	Brown fine silty SAN		ce organics, dense.	6.3	
h †	GB	PID = 0		dry	, , ,	J. 1., 1. 1.,		soil sample collected @ 6-6.5' BGS
7.5	\$04	PID = 0						
		PID = 0	8.0	Grayish Brown SILT gravel, dense, mois	, little clay, trace t	coarse angular	4.0	
 	GB S05	PID = 0	9.0	Brownish Red m-c S dense, moist	SAND, little coars	se angular gravel,	3.0	soil sample collected @ 9-9.5' BGS
10.0			10.0				2.0	
				Bottom	of borehole at 1	U.U feet.		

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BORING NUMBER MPD_E PAGE 1 OF 1

	Fax: 60958863	314								
CLIE	NT PPG									
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd.	PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE	STARTED 10/29/1	5	COMF	PLETED 10/29/15	GROUND ELEVATION 14 ft	HOLE SIZE 3 inches				
DRILI	LING CONTRACTOR	EPI			_ GROUND WATER LEVEL:					
DRILI	ING METHOD Trac	k mounted	Geopro	be	_ DURING DRILLING					
LOGO	SED BY K. Treacy		CHEC	KED BY J. Alexander	NORTHING 680227.952					
NOTE	Blooming observ	ed @ 2.17-	2.67' BO	GS	EASTING 611993.697					
S BURMA.GPJ O DEPTH O (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS			
SITE				0.3 ASPHALT		13.7				
GINT BORING LOGS	-	PID = 0		sand, loose, dry	ar GRAVEL, some f-m grayish brown	12.3	soil sample collected @ 1.7-2.2'			
RMA -	GB S01	DID - 0		Brownish red f-m S 2.2 dense, dry	SAND, little fine angular gravel, semi	11.8	BGS			
18/B/ 2.5		PID = 0		Yellowish brown f-	m SAND, little coarse angular gravel,	11.0	Blooming observed @ 2.17-2.67' BGS			
SITE 63-65\(\int \) FIELD DA'		PID = 0		Brown m-c SAND, dry	little coarse angular fill, semi dense,	11.3				
OME		PID = 0								
) 동	GB						soil sample collected @ 4.5-5' BGS			
<u>ဗ်</u> 5.0	S02	515								
ZAN		PID = 0								
Ō	GB						soil sample collected @ 5.5-6' BGS			
4MON/MORAN	\$03	PID = 0		6.0 Light Brown f-m S/ semi dense, dry	AND, some coarse angular gravel,	8.0				
7.5		PID = 0					soil sample collected @ 7.5-8' BGS			
8-11	GB S04			8 N		6.0				
1 09:2		PID = 0		NO RECOVERY		6.0	-			
S LAB.GDT - 5/20/16		PID = 0								
10.0				10.0		4.0				
LNI					m of borehole at 10.0 feet.					
ENVIRONMENTAL BH - GINT STD US LAB GDT - 5/20/16 09:28 - \ TREFS01\(COMMON\)MORAN\\MORAN\MORAN\\MORAN\\MORAN\\MORAN\\MORAN\\MORAN\MORAN\\MORAN\MORAN\MORAN\MORAN\\MORAN\MORAN\MORAN\MORAN\MORAN\MORAN										

BORING NUMBER MPD_E1 PAGE 1 OF 1 CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328

		Fax: 6095886	014							
		IT PPG				PROJECT NAME Burma Road				
	PROJ	ECT NUMBER 151				PROJECT LOCATION Burma Rd.				
		STARTED 10/30/1		COMPLET	ED 10/30/15		но	HOLE SIZE 3 inches		
		ING CONTRACTOR			GROUND WATER LEVEL:					
						DURING DRILLING				
	LOGGED BY K. Treacy CHECKED BY J. Alexande									
	NOTE	S Blooming observ	ed @ 1-2.5'	BGS verifie	d by UCONN as coal a	ash EASTING 611985.722				
65 BURMA.GPJ	O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS		
\SITE				0.3	ASPHALT		13.7			
OGS				; O°	Gray coarse angula loose, dry	ar GRAVEL, some f-m gray sand,				
INT BORING I		GB S01	PID = 0		,			soil sample collected @ 1-1.5' BGS, Blooming observed @ 1-1.5' BGS verified by UCONN as coal ash		
MA G				0 2.0			12.0	acil comple collected @ 2.2 El DCC		
TA\BUR	2.5	GB S02	PID = 0	2.5	Dark Gray coarse a sand, semi dense,	angular GRAVEL, some dark gray dry	11.5	soil sample collected @ 2-2.5' BGS, Blooming observed @ 2-2.5' BGS verified by UCONN as coal ash		
E 63-65_FIELD DA'			PID = 0		Brown m-c SAND, dry	little coarse angular fill, semi dense,				
OME\SIT		GB S03	PID = 0							
I/MORAN\PPG - CHR	5.0		PID = 0					soil sample collected @ 4.5-5' BGS		
1MON\MORAN			PID = 0	6.0	Light brown f-m SA semi dense, dry	ND, some coarse angular gravel,	8.0			
\CON								soil sample collected @ 7-7.5' BGS		
REFS01	7.5	GB S04	PID = 0							
/20/16 09:28 - \\T			PID = 0	8.0	Brown f-m SAND, s	some coarse angular gravel, dense,	6.0			
JT - 5								soil sample collected @ 0.0 El BCS		
LAB.G[_	GB S05	PID = 0					soil sample collected @ 9-9.5' BGS		
D US	400									
NT ST	10.0			10.0	Botton	n of borehole at 10.0 feet.	4.0			
ENVIRONMENTAL BH - GINT STD US LAB. GDT - 5/20/16 09:28 - \"ITREFS01\COMMONIMORANIMORANIMPG - CHROMEISITE 63-65\"_FIELD DATAIBURMA GINT BORING LOGS\SITE 65 BURMA.GPJ										

BORING NUMBER MPD_F
PAGE 1 OF 1

C	LIEN	IT PPG				PROJECT NAME Burma Road			
P	ROJ	ECT NUMBER _151136				PROJECT LOCATION Burma Rd. J	lersey (City, NJ	
D	ATE	STARTED 10/29/15		СОМІ	PLETED 10/29/15	GROUND ELEVATION 16 ft	н	OLE SIZE 3 inches	
D	RILL	ING CONTRACTOR EPI				GROUND WATER LEVEL:			
D	RILL	ING METHOD Track mou	unted (Geopro	bbe	DURING DRILLING			
L	oge	ED BY K. Treacy		CHEC	CKED BY J. Alexander	NORTHING 680254.742			
		S Blooming observed @							
-									
BU	(#) 0.0	SAMPLE TYPE NUMBER	DATA (ppm)	GRAPHIC LOG	MATE	ERIAL DESCRIPTION		REMARKS	
SITE					0.3 ASPHALT		15.7		
068	-				Dark Gray coarse a f-m sand, loose, dry	ngular GRAVEL, some dark brown			
NGL	_				Light Brown fine SA	ND, little coarse angular gravel,	15.2	soil sample collected @ 1-1.5' BGS,	
BORI		GB PID) = 0		semi dense, dry	,		blooming observed @ 1-1.5' BGS	
FI-	-	501							
MA	_							soil sample collected @ 2-2.5' BGS	
BUF.		GB PID	0 = 0					0011 00111pio 001100100 @ 2 2.0 B00	
TAQ -	2.5				0.0		40.0		
	_				2.8 Brownish Orange o	parse SAND, semi dense, dry	13.2		
5 FI		PID) = 0		v				
- 63-6	-								
SITE	_								
OME		PID) = 0						
딺	-								
ė į	5.0							soil sample collected @ 5-5.5' BGS	
SAN/F		GB PID	0 = 0						
MON-	-								
RAN	_				6.0		10.0		
NMM		PID) = 0		Black f-m ASH, little dry	e coarse angular gravel, semi dense,			
OMP M	-				6.7		9.3		
<u></u>	_	515			Brownish orange f-r angular gravel, den	m SAND, trace silt, trace coarse se, moist		soil sample collected @ 7-7.5' BGS	
EFS0	7.5	GB PID) = 0		J J : 1, 1011				
III.									
9:28	_	DID	\ - 0						
/16 08		PID) = 0						
5/20,	_								
护	_	DID) = 0					soil sample collected @ 9-9.5' BGS	
LAB.(GB PID S05) – 0						
Sn	_								
<u> 1</u>	0.0				10.0	of borehole at 10.0 feet.	6.0		
N.B					DULLOIT	טו שטובווטוב מנ זט.ט ופפנ.			
핆									
INTA									
ONME									
MIRC									

BORING NUMBER MPD_F1 PAGE 1 OF 1

	CLIFN	IT PPG				PROJECT NAME Burma Road				
		ECT NUMBER 1511				PROJECT LOCATION Burma Rd. Jersey City, NJ				
				СОМІ	PLETED _10/30/15	· · · · · · · · · · · · · · · · · · ·				
		ING CONTRACTOR				GROUND WATER LEVEL: DURING DRILLING				
	DRILL	ING METHOD Trac	k mounted	Geopro						
	LOGG	ED BY K. Treacy		CHEC	CKED BY J. Alexander					
	NOTE	S S01 collected @	1-1.5' BGS	verified	d by UCONN as coal ash	EASTING 611961.317				
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - \ TREFS01\COMMONIMORAN\PORA\PORA\PORA\PORA\PORA\PORA\PORA\PORA	O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS		
SITE					_{0.3} ASPHALT		15.7			
1068	-			000	loose, dry	ar GRAVEL, some gray f-m sand,				
SING	-		PID = 0	200	1.0	AND, little coarse angular gravel,	15.0	soil sample collected @ 1-1.5' BGS		
T BO		GB S01	FID = 0		semi dense, dry	NND, IIIIle coarse arigular graver,		verified by UCONN as coal ash		
4 GIN										
URM,	_		PID = 0							
ATA/E	2.5									
LD D.					2.8 Prownish Orange of	oarse SAND, semi dense, dry	13.2	"		
밝	_	GB S02	PID = 0		Brownish Orange C	oaise SAND, seilli delise, diy		soil sample collected @ 3-3.5' BGS		
63-65	-	502								
ME\SITE	_		PID = 0							
- CHRC	-									
NPPG	5.0	GB	PID = 0					soil sample collected @ 5-5.5' BGS		
ORAN	_	S03								
AN/M					6.0		10.0			
MOR	-		PID = 0			m SAND, some coarse angular	10.0			
NOM L	_				gravel, dense, mois	ST .				
NCO/								soil sample collected @ 7-7.5' BGS		
FS01	7 5	GB S04	PID = 0					con sample collected to 1-1.3 bds		
TRE-	7.5									
9:28	_		PID = 0							
0/16 0			FID = 0							
- 5/2(
3.GDT	-	GB	PID = 0					soil sample collected @ 9-9.5' BGS		
SLAE	_	S05								
OTC	10.0				10.0		6.0			
STNE T	-					of borehole at 10.0 feet.				
BH-C										
TAL										
NME										
MIRO										

BORING NUMBER MPD G PAGE 1 OF 1

	CLIEN	IT PPG				PROJECT NAME Burma Road			
	PROJ	ECT NUMBER 1511				PROJECT LOCATION Burma Rd. Jersey City, NJ			
	DATE	STARTED _10/29/15	5	COMPLETED	10/29/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches			
	DRILLING CONTRACTOR EPI					GROUND WATER LEVEL:			
		ING METHOD Trac				DURING DRILLING			
		ED BY K. Treacy		CHECKED BY	J. Alexander				
ļ	NOTE	S				EASTING 612105.544	1		
DATA/BURMA GINT BORING LOGS\SITE 65 BURMA.GPJ	O DEPTH O (ff)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATI	ERIAL DESCRIPTION		REMARKS	
SITE				0.3	ASPHALT		7.7		
-06S					Black f-m ASH, little	e fine angular fill, loose, dry	7.0		
NG.			DID 0	0.8	Brown f-m SAND, t	race fine angular gravel, loose, dry	7.2 6.8		
T BOR			PID = 0		Black f-m ASH, sor	me fine angular fill, semi dense, dry	0.0	"	
N GIN		GB S01						soil sample collected @ 1.5-2' BGS	
URM		001	PID = 0	2.0	Black f-m ASH, trac	ce fine angular fill, trace orange fill	6.0		
4TA/B	2.5			2.5	lenses, dense, dry		5.5		
					dry	ND, some coarse angular fill, dense,			
			PID = 0						
63-65/		GB		3.5	Light brown fine SA	ND, some coarse angular gravel,	4.5	soil sample collected @ 3.5-4' BGS	
SITE		S02	515 00		trace red silt lenses	s, dense, dry			
SOME			PID = 3.3						
Ë									
NPPG	5.0	GB	PID = 0					soil sample collected @ 5-5.5' BGS	
NNMORAN/MORAN/PPG - CHROME/SITE		S03							
ANM									
MOR			PID = 0						
NOM Mo									
000				7.0			1.0	soil sample collected @ 7-7.5' BGS	
- NTREFS01/COMMC	7.5	GB S04	PID = 0	7.3	QUARTZITE COBE	BLE	0.7	300	
- TRI	1.5				NO RECOVERY				
39:58			PID = 0						
20/16									
T - 5/2									
B.GD			PID = 0	9.2	MEADOW MAT		-1.2		
STD US LAB.GDT - 5/20/16 09:28				<u>'' \ ''</u>	WEADOW WAT				
	10.0			<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>			-2.0		
Ę.					Bottom	n of borehole at 10.0 feet.			
ᇤ									
ENTA									
M S S									
ENVIRONMENTAL BH - GINT									

BORING NUMBER MPD_H PAGE 1 OF 1

CLIEN	T PPG		PROJECT NAME Burma Road			
				y City, NJ		
DATE	STARTED 11/3/15	COMPLETED 11/3/15	GROUND ELEVATION 17 ft HOLE SIZE 3 inches			
DRILL	ING CONTRACTOR EPI					
DRILL	ING METHOD Track mounted	Geoprobe	DURING DRILLING			
LOGG	ED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680273.263			
NOTE	S Blooming observed @ 1-1.5	' BGS verified by UCONN as coal as	sh EASTING 611945.636			
O DEPTH (ft)	SAMPLE TYPE NUMBER ENVIRONMENTAL DATA (ppm)	GRA	ERIAL DESCRIPTION	REMARKS		
		0.3 ASPHALT		3.7		
	GB PID = 0	Gray coarse angula loose, dry	r GRAVEL, some fine gray sand,	soil sample collected @ 1-1.5' BGS, Blooming verified by UCONN as coal ash		
-		Brown f-m SAND, s	ome coarse angular gravel, semi	5.5 coal ash		
2.5	PID = 0	dense, dry				
<u>-</u>	GB PID = 0			soil sample collected @ 3-3.5' BGS		
-	S02	3.5		3.5		
	PID = 0	gravel gravel	ace brick, trace coarse angular			
5.0	GB PID = 0	_0.000 1.0000		soil sample collected @ 5-5.5' BGS		
	903 PID = 0	7.0	11	0.0 soil cample collected @ 7.7.5' POS		
3	GB PID = 0		ne fine angular fill, semi dense, dry	soil sample collected @ 7-7.5' BGS		
7.5	PID = 0	B.0 Dark brown f-m SAN semi dense, moist	ND, some coarse angular gravel,	9.0		
	GB S05 PID = 0			soil sample collected @ 9-9.5' BGS		
10.0		10.0		7.0		
		воttom	of borehole at 10.0 feet.			

BORING NUMBER TC_A PAGE 1 OF 1

	Telephone: 60 Fax: 60958863							
CLIEN	IT PPG				PROJECT NAME Burma Road			
PROJ	ECT NUMBER 151	136			PROJECT LOCATION Burma Rd. Jersey	City, NJ		
DATE STARTED 10/27/15 COMPLETED 10/27/15					GROUND ELEVATION 8 ft HOLE SIZE 3 inches			
DRILL	ING CONTRACTOR	EPI			GROUND WATER LEVEL:			
DRILL	ING METHOD Trac	k mounted (Geopro	be	DURING DRILLING			
LOGGED BY K. Treacy CHECKED BY J. Alexander				KED BY J. Alexander	NORTHING 680205.632			
NOTE	s				EASTING 612194.251			
DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATE	RIAL DESCRIPTION	REMARKS		

5/20/16 09:28 - NTREFS01/COMMONIMORANIMORANIPPG - CHROME/SITE 63-65/FIELD DATAIBURMA GINT BORING LOGS/SITE 65 BURMA.GPJ	o DEPTH o (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
SITE						7.7	
.0GS	-	_			Gray coarse angular GRAVEL, some f-m light brown sand, loose, dry		
NG.	-			000	· · · · · · · · · · · · · · · · · · ·		soil sample collected @ 1-1.5' BGS
T BOF		GB S01		000			
N GIN	_			00	1.7 Brown coarse SAND, little fine rounded gravel, loose,	5.3	
UR.M	-		PID = 0		dry		
4TA\B	2.5	-		XXXX		5.5	
/O D/					Black coarse angular FILL, semi dense, dry		
	-	GB S02	PID = 0				soil sample collected @ 3-3.5' BGS
63-65	-	502			3.5 Brown silty SAND, some coarse angular gravel, little	1.5	
SITE	. <u>-</u>				coarse angular fill, dense, moist		
SOME			PID = 0			3.7	Staining, odor observed @ 4.33-6'
탕	-	-	PID = 318		Black f-m SAND, some f-m black ash, some coarse angular gravel, semi dense, wet, odor, staining		BGS
\PPG	5.0	OP					soil sample collected @ 5-5.5' BGS
ORAN		GB S03					
AN/M			PID = 17.3		6.0		
MOR	-	-	PID = 221		Red silty SAND, little coarse angular gravel, trace shale,	2.0	
MOM	-	_			dense, dry		
COM	_						soil sample collected @ 7-7.5' BGS
FS01	7 -	GB S04	PID = 0				soil sample collected @ 1-1.5 BGS
MTRE	7.5						
9:28 -	-	-	PID = 4.6		8.0 Brown silty SAND, little coarse angular gravel, dense,	0.0	
0/16 0			FID = 4.0		dry		
- 5/2(-						
.GDT	-	GB	PID = 3.6		0.0		soil sample collected @ 9-9.5' BGS
SLAE	-	GB S05		<u> </u>	9.3	1.3	
U OLI	10.0			1/ 1//	10.0	2.0	
ENVIRONMENTAL BH - GINT STD US LAB.GD					Bottom of borehole at 10.0 feet.		
BH - (
NTAL							
NME							
MMRC							
ωL							

BORING NUMBER TC_B PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328 Fax: 6095886314

CLIENT PPG	PROJECT NAME Burma Road					
PROJECT NUMBER 151136	PROJECT LOCATION Burma Rd. Jersey City, NJ					
DATE STARTED 10/27/15 COMPLETED 10/27/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches					
DRILLING CONTRACTOR EPI	GROUND WATER LEVEL:					
DRILLING METHOD Track mounted Geoprobe	☑ DURING DRILLING 9.50 ft / Elev -1.50 ft					
LOGGED BY K. Treacy CHECKED BY J. Alexander	NORTHING 680195.173					
NOTES	EASTING 612165.212					

0.0 DEPTH	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
			0.3	ASPHALT	7.7	
		² ့	000	Gray coarse angular GRAVEL, some light brown f-m sand, loose, dry		
+ +	GD	PID = 0) () () 1.3		6.7	soil sample collected @ 1-1.5' BGS
<u> </u>	S01		, 1 (0 1.3	Brown coarse SAND, little fine rounded gravel, loose,	0.7	
		:: X	1.8	dry Black coarse angular FILL, semi dense, dry	6.2	acil comple collected @ 2.2 El DOS
2.5	GB S02	PID = 0		Black coalse alignal Fizz, serill defice, dry		soil sample collected @ 2-2.5' BGS
2.5			2.7	Decree of the CAND Little and a second and a second days	5.3	
		PID = 0		Brown silty SAND, little coarse angular gravel, dense, moist		
	P	ID = 6.3	4.0		4.0	Chairian adas abanyad © 4.7
	P	ID = 188		Black f-m SAND, some f-m black ash, little coarse angular gravel, trace coal, trace wood, semi dense, wet, odor, staining		Staining, odor observed @ 4-7' BGS
5.0	GB S03					soil sample collected @ 5-5.5' BGS
5.0		ID = 135				
7.5	GB S04	D = 29.6	7.0	Red coarse SAND, some coarse angular gravel, dense, moist	1.0	soil sample collected @ 7-7.5' BGS
	PII	D = 46.88	8.5	Brown silty SAND, little coarse angular gravel, dense,	-0.5	
				moist		soil sample collected @ 9-9.5' BGS
	GB P	ID = 7.1	9.5	-	-1.5	SS Garripio Goliotica & G.O. BOC
10.0		×	10.0	Black coarse angular FILL, some brown coarse sand, some black f-m ash, tr wood, tr shells, semi dense, wet	-2.0	
10.0	L	IX	X X X 10.0	Bottom of borehole at 10.0 feet.	-2.0	
10.0						

BORING NUMBER TC_C PAGE 1 OF 1

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328

	Fax: 60958863	114							
1	NT PPG								
PRO	JECT NUMBER 1511	136			PROJECT LOCATION Burma Rd.	lersey (City, NJ		
DATE	STARTED 10/27/15	5	COMPLETE	D 10/27/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DRIL	LING CONTRACTOR	EPI			GROUND WATER LEVEL:				
DRIL	LING METHOD Track	k mounted	Geoprobe		_ DURING DRILLING 6.67 ft / Elev	/ 1.33 ft			
LOG	GED BY K. Treacy		CHECKED I	BY J. Alexander	NORTHING 680189.803				
NOTE	Blooming observe	ed @ 1.2' B	GS		EASTING 612135.7				
ORANIMORANIPPG - CHROMEISITE 63-65, FIELD DATAIBURMA GINT BORING LOGSISITE 65 BURMA GPJ 10 DEPTH 10 DEPTH 11 OF 12 OF 14 OF	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG		ERIAL DESCRIPTION		REMARKS		
SI E			0.3	ASPHALT		7.7			
		DID. 0	000	Gray coarse angul loose, dry	ar GRAVEL, some gray f-m SAND,	6.8	soil sample collected @ 1-1.5' BGS,		
J BO	GB S01	PID = 0	× × × × × × × × × × × × × × × × × × ×		ND, little fine rounded gravel, loose,	0.0	Blooming observed @ 1.2' BGS		
			1.8	dry		6.2			
DATA/BURMA		PID = 0	2.8	Black coarse angu	ılar FILL, semi dense, dry	5.2			
ᇍ.		DID - 0	X X X X Z		some coarse angular gravel, dense,		soil sample collected @ 3-3.5' BGS		
	GB S02	PID = 0		dry					
ME			4.2	Dod m a CAND d	onee dry	3.8			
OHS - 5.0	_	PID = 56.7	5.0	Red m-c SAND, d	ense, ary	3.0	soil sample collected @ 5-5.5' BGS		
MOKANIP	GB S03	PID = 0		Brown coarse ang	ular FILL, semi dense, dry		3011 Sample Collected @ 3-0.0 BOO		
1/COMMONIMURAN		PID = 0	6.7	Brown f-m SAND, brick, loose, wet	trace coarse angular gravel, trace	1.3	soil sample collected @ 7-7.5' BGS		
7.5	GB S04	PID = 1.6	8.3			-0.3			
102/6 - 10			8.8	Red coarse SAND wet MEADOW MAT	, trace coarse angular gravel, dense,	-0.8			
LAB.GI	GB S05	PID = 0	<u> </u>				soil sample collected @ 9-9.5' BGS		
10.0			10.0			-2.0			
ENVIRONMENTAL BH - GINT STD US LAB. GDT - 5/20/16 09:28 - \\TREFS91\COMMONW \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\				Botton	n of borehole at 10.0 feet.				

CB&I 200 Horizon Center Trenton, NJ 08691 Telephone: 6095886328

BORING NUMBER TC_C1 PAGE 1 OF 1

	Fax: 6095886	6314								
CLIE	NT PPG				PROJECT NAME Burma Road					
PRO.	JECT NUMBER 151	136			PROJECT LOCATION Burma Rd	Jersey	City, NJ			
DATE	DATE STARTED _10/30/15 COMPLETED _10/30/15 DRILLING CONTRACTOR _EPI				GROUND ELEVATION 8 ft	Н	HOLE SIZE 3 inches			
DRIL					GROUND WATER LEVEL:					
DRIL	LING METHOD Trac	ck mounted	Geoprobe		DURING DRILLING					
LOG	GED BY K. Treacy		CHECKED	BY J. Alexander	NORTHING 680179.183					
NOTE	ES Blooming observ	/ed @ 1' BG	S		EASTING 612135.923					
65 BURMA.GPJ O DEPTH O (ff)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MAT	ERIAL DESCRIPTION		REMARKS			
SITE			0.3	ASPHALT		7.7				
(S)C	_		1:0°	Gray angular GRA	VEL, some gray fine sand, loose, dry					
7 0 1			0 0 1.0			7.0	soil comple collected @ 1.1 FLDCC			
SOR .	GB S01	PID = 0			ND, black coarse angular fill, semi		soil sample collected @ 1-1.5' BGS, Blooming observed @ 1' BGS			
	501			dense, dry						
MA			2.0			6.0				
BUR		PID = 0		Red m-c SAND, de	ense, dry					
₹ 2.5	_									
	GB	PID = 1.5					soil sample collected @ 3-3.5' BGS			
93-65	S02									
Ë E										
MEN.		PID = 70								
띭.	_									
ပ္စ္ကို 5.0			5.0			2.0				
4 J.U	GB	PID = 116	XXX		ular FILL, some brick, loose, wet,	3.0	soil sample collected @ 5-5.5' BGS			
ORA -	S03			staining						
N N							Staining observed 5.67- 10' BGS			
<u>8</u> -	1	PID = 401								

<u>M</u> O			6.7	Red coarse SAND	, trace coarse angular gravel, dense,	1.3				
) - -	GB	PID = 100	-	wet			soil sample collected @ 7-7.5' BGS			
版 7.5	S04									
<u> </u>										
. 188	-	PID = 80.5								
0/16			<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	MEADOW MAT		-0.3				
- 5/2			1, 11,							
<u>1</u> 99	GB	PID = 41.5	<u> </u>				soil sample collected @ 9-9.5' BGS			
E L	S05		<u></u>							
			<u> </u>							
[5] 10.0			// ハル 10.0	Botto	m of borehole at 10.0 feet.	-2.0	1			
ENVIRONMENTAL BH - GINT STD US LAB.GDT - 5/20/16 09:28 - TREFS01/COMMONMORANIMORANIMORANIPPG - CHROMEISITE 63-65/_FIELD DATABURMA GINT BORING LOGS/SITE 65 BURMA.GPJ 0 DEPTI 0 C (ft)										

BORING NUMBER TC_D PAGE 1 OF 1

CLIENT PPG		PROJECT NAME Burma Road				
PROJECT NUMBER 151136		PROJECT LOCATION Burma Rd. Jersey City, NJ				
DATE STARTED 10/29/15	COMPLETED 10/29/15	GROUND ELEVATION 8 ft HOLE SIZE 3 inches				
DRILLING CONTRACTOR EPI		GROUND WATER LEVEL:				
DRILLING METHOD Track mounted	Geoprobe	DURING DRILLING 4.00 ft / Elev 4.00 ft				
LOGGED BY K. Treacy	CHECKED BY J. Alexander	NORTHING 680169.603				
NOTES		EASTING 612138.228				

O DEPTH (ft)	SAMPLE TYPE NUMBER	ENVIRONMENTAL DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION		REMARKS
			0.3	ASPHALT	7.7	
				Dark brown f-m SAND, little coarse angular gravel, trace coarse angular fill, semi dense, dry		
- +	CD	PID = 0				soil sample collected @ 1-1.5' BGS
	GB S01		1.3	Black f-m ASH, some coarse angular gravel, little	6.7	
				coarse angular fill, semi dense, dry		
		PID = 0	2.2	Black f-m ASH, little fine angular fill, dense, dry	5.8	
2.5				Black I-III AOTI, little little angular lill, defise, dry		
		DID 0	4			soil sample collected @ 3-3.5' BGS
	GB S02	PID = 0	S			
				_		
		PID = 0	4.0	Black f-m ASH, trace brown silty sand lesnes, trace	4.0	Staining, odor observed @ 4- 6.83' BGS
				coarse angular gravel , dense, wet, staining, odor		
5.0			5.0		3.0	soil sample collected @ 5-5.5' BGS
_	GB S03	PID = 37.2		Black f-m ASH, trace silty sand lenses, trace wood, trace coarse angular gravel, staining, odor, semi dense, wet		301 campio concetto @ 0 010 230
_		PID = 168	6.0	Black f-m ASH, some coarse angular gravel, loose, wet,	2.0	Staining, sheen, odor observed @
		PID - 100	4	staining, odor, sheen		6- 9.2' BGS
			6.8		1.2	
7.5	GB S04	PID = 73.1		Brown silty SAND, some coarse angular gravel, semi dense, wet, sheen, odor		soil sample collected @ 7-7.5' BGS
		PID = 27.7				
		DID 0.4	9.2		-1.2	soil sample collected @ 9-9.5' BGS
	GB S05	PID = 3.1	77.1	MEADOW MAT	-1.2	
			<u> </u>			
10.0			<u> — — — 10.0 </u>	Bottom of borehole at 10.0 feet.	-2.0	