NYSDEC OHMS Document No. 201469232-00007	
DEPTH HOLE 12.0 JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING NO.RMU2-W18R
DIRECT PUSH	SHFFT 1 of 1
DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	SHEE1
DEPTH ROCK CORE N/A WEATHER LT.RAIN DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	SURFACE EL 320.37
NO. DIST. N/A US. N/A TEMP. 50°F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTED 1130/2-11-09
DEFIN WL. NYTH THE THE TAXABLE RAMMER NYA DROP NYTH	STARTED_HOUSE
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED 1150/2-11-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL L'I LITTLE RX ROCK	SA

W.S.	WASH SAMPLÉ	LYD LAY	ERED LE	RES RX	RO	SIDUAL		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV.	DESCRIPTION		BLOWS/				SAMPLES		DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
DEPTH	DESCRIPTION		FT.		NO.	TYPE	REC/ATTEMPT	PID (ppm)	DEPTH	
				1				0.0		SA-1 0.0-4.0 Ft. Loose, coarse GRAVEL, fine to coarse SAND and SILT fill, some fine gravel, slight odor present, with olive-green, fine to coarse sand at bottom
E								0.0		of interval, some blackish staining from approx. 3.5-4.0
2	FILL 0.0-4	1.0'	NA		1	DO	3.3 4.0	0.0	-	ft. bgs., odor present, very moist to slightly wet. (GM-SM)
-								0.0	-	
<u>+</u> 4				<u> </u>					_	SA-2 4.0-8.0 Ft. Firm to soft, multi-colored SILTY CLAY, little fine gravel, ash-like material and odor present,
E				=				0.0	-	blackish-staining throughout, very moist to wet. (CL)
6	UPPER CLA	Δ Υ	NA	=	2	DO	2.0 4.0	0.0	-	
E	TILL							0.0	-	
2 4 6 8				-				0.0		SA-3 8.0-12.0 Ft. Soft, brown CLAYEY SILT to SILTY CLAY, trace to little fine gravel, very soft from approx. 8.0-9.5 ft. bgs., slightly plastic to approx. 11.2 ft. bgs., with
10	GLACIOLACUS	TRINE	NA		3	DO	3.8 4.0	0.0	-	increasing softness, increasing plasticity towards bottom, wet. (ML to CL)
	CLAY						4.0	0.0	-	Glaciolacustrine clay (GC) beginning at approx. 11.2 ft. bgs.
10				=				0.0		
	END OF BOR 12.0' bgs.	RING							_	1145 - Collect soil sample 6.0-8.0 ft. bgs. for VOCs.
E	12.0 bgo.								_	1350 - Collect groundwater sample for VOCs.
_				<i>=</i>					_	NOTE: Since the Direct Push drilling method does not
E									_	provide blow counts, soil consistency was determined in the field by physical (hand) observation.
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<u>+</u>			L	-						

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DEPTH HOLE 12.0' JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY BORING NO. RMU2-W19

DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH SHEET 1 of 1

DEPTH ROCK CORE N/A WEATHER LT.RAIN DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320.8

NO. DIST. N/A US. N/A TEMP. 51'F DRILL RIG BOBCAT MT52 DRILLER P. ORSI DATUM SITE

DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A STARTED 1300/2-11-09

TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A COMPLETED 1325/2-11-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.D. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MIC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAYY OG GRANGE CLY CLAYY ORG ORGANIC FRAG FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL LYTEED RES RESIDUAL LYTEED RS RESIDUAL LYTEED RX ROCK	SA

W.S.	WASH SAMPLE LYD LAT	YERED TLE	RES RX	RE RO	SIDUAL CK	-	WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.5'	NA		1	DO	3.7 4.0	0.8 1.1 2.6 3.8	- -	SA-1 0.0-4.0 Ft. Loose, coarse GRAVEL, SILT and coarse SAND fill, slight chemical odor present to approx. 2.5 ft. bgs. (GP-SM), then firm, brown to gray-brown CLAYEY SILT, little to some fine gravel, with blackish, ash-like material from approx. 2.2-3.0 ft. bgs., chemical odor throughout core sample, moist. (ML)
6	UPPER CLAY TILL	NA		2	DO	4.0 4.0	7.8 5.4 4.4 3.8	-	SA-2 4.0-8.0 Ft. Firm, brown CLAYEY SILT to SILTY CLAY, occasional coarse gravel, little fine gravel, with black, petroleum-like product and odor present, very moist to slightly wet. (ML-CL)
- 10	GLACIOLACUSTRINE CLAY	NA		3	DO	3.8 4.0	9.2 6.6 0.2 0.0	-	SA-3 8.0-12.0 Ft. Firm, brown SILTY CLAY, occasional coarse gravel, little fine gravel, slight chemical odor near top of interval, slightly plastic, very moist. (CL) Glaciolacustrine day (GC) beginning at approx. 8.0 ft. bgs.
6 8 10	END OF BORING 12.0' bgs.							- - - -	12.8 ppm in borehole at end of drilling activities. 1325 - Collect soil sample 5.0-7.0 ft. bgs. for VOCs. 1525 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

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	DATE OF THE PARTY WAS TO THE PARTY OF THE PA
	BORING NO. RMU2-W19R
DEPTH SOIL DRILL <u>8.0'</u> GA INSP. <u>RJM</u> DRILLING METHOD DIRECT PUSH	SHEET1 of 1
DEPTH ROCK CORE N/A WEATHER SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	_SURFACE EL. 320
	DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTED0840/2-16-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED <u>0850/2-16-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNIK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MIC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CLAY OG ORANGE CLY CLAYEY ORG ORGANIC F FINE PH PRESSURE—HYDRAULIC F FRAG FRAGMENTS PM PRESSURE—MANUAL CLAYERD RES RESDUAL LAYERD RES RESDUAL LITTLE RX ROCK	"RACE" 0 - 5%

W.S	. WASH SAMPLÉ LYD LI	LAYERED LITTLE	RES RX	RE	SIDUAL	-	WR Y	WEIGHT (YELLOW	OF RODS DN DENSE ST STIFF V VERY H HARD
ELEV.		BLOWS/		1		SAMPLES			
DEPTH	DESCRIPTION	FT.		NO.	TYPE	REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.8'	NA		1	DO	4.0 4.0	0.0	-	SA-1 0.0-4.0 Ft. Asphalt to approx. 0.2 ft., then loose, coarse GRAVEL and SILT to 2.8 ft., some clay content (GM), then firm, brown SILTY CLAY, little coarse gravel, slight petroleum odor, very moist. (CL)
Ē			=				0.1	_	
6	UPPER CLAY TILL	NA		2	DO	3.7 4.0	1.2 4.8 10.7 6.3	- -	SA-2 4.0-8.0 Ft. Loose, olive-green to brown SILT, some fine sand, wet, becoming saturated from approx. 5.2 to 6.3 ft. bgs. (ML), then stiff, brown SILTY CLAY, trace coarse gravel, very moist, with approx. 2 to 3-inch interval of petroleum-like stained (blackish/sheen) coarse gravel and sand from approx. 6.8 to 7.0 ft. bgs., wet. (CL)
2 4 6 8	END OF BORING 8.0' bgs.								NOTE: Borehole offset approx. 0.5 ft. to the west of original boring RMU2-W19; drilled to approx. 8.0 ft. bgs. to collect Total Petroleum Hydrocarbon (TPH) sample at request of CWM. 0900 - Collect soil sample 6.0-8.0 ft. bgs. for TPH. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

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JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY 12.0' BORING NO. RMU2-W19-E1 DEPTH HOLE __ SHEET 1 of 1 DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH DEPTH ROCK CORE N/A WEATHER LT.RAIN DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320.7 NO. DIST. N/A US. N/A TEMP. 50°F DRILL RIG BOBCAT MT52

DEPTH WL N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DRILLER P. ORSI .DATUM_SITE DROP N/A STARTED 1415/2-11-09 TIME WL. N/A DROP N/A _HRS. DELAYED<u>N/A</u>WT. CASING HAMMER_ COMPLETED 1435/2-11-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. TINN-WALLED, PISTON W.S. WASH SAMPLE	BL	TRACE

W.S.	WASH SAMPLE LYD	AYERED LITTLE	RES RX	RES	SIDUAL CK		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-4.0'	NA		1	DO	<u>2.4</u> 4.0	0.0 0.0 0.0 0.2	- -	SA-1 0.0-4.0 Ft. Loose, coarse GRAVEL, SILT and fine to coarse SAND fill, slight petroleum-like odor present near bottom of interval, moist. (GP-SM)
6	UPPER CLAY TILL	NA		2	DO	<u>3.2</u> 4.0	7.7 5.4 14.1 21.7	- - -	SA-2 4.0-8.0 Ft. Firm, brown to olive-brown CLAYEY SILT and dense, brown SILT, occasional pockets of red-brown silt, occasional coarse gravel, little fine gravel, light petroleum-like odor present, with multicolored SILTY CLAY near bottom, light petroleum-like odor present. (ML-CL)
10		NA		3	DO	3.7 4.0	4.1 6.6 11.1 13.8	-	SA-3 8.0-12.0 Ft. Stiff to firm, brown CLAYEY SILT, little fine gravel, petroleum-like odor, moist, to approx.10.6 ft. bgs. (ML), then firm to soft, brown to gray-brown SILTY CLAY, trace fine gravel, petroleum-like odor present within the soil media, slightly plastic, very moist. (CL) Glaciolacustrine clay (GC) beginning at approx. 10.6 ft. bgs.
12	END OF BORING 12.0' bgs.							-	6.0 ppm in borehole at end of drilling activities. 1430 - Collect soil sample 6.0-8.0 ft. bgs. for VOCs. 1530 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

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DEPTH HOLE 12.0' JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY BORING NO. RMU2-W19-E2

DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH SHEET 1 of 1

DEPTH ROCK CORE N/A WEATHER SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320

NO. DIST. N/A US. N/A TEMP. 27'F DRILL RIG BOBCAT MT52 DRILLER P. ORSI DATUM SITE

DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A STARTED 1340/2-16-09

TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A COMPLETED 1405/2-16-09

SAMPLE TYPES	ABE	BREVIATIONS	SOIL	DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M BR BROWN MIC C COARSE MOT CA CASING NP CL CLAY OR CLY CLAYEY ORC FRAG FRAGMENTS PH FRAG FRAGMENTS PH LYD LAYEED RES LU LITLE RX	MEDIUM S. MICACEOUS S. MOTTLEO S. NON-PLASTIC S. ORANGE	AT SATURATED) SAND SILT Y SILTY M SOME R TRACE WATER LEVEL H WEIGHT OF HAMMER	"TRACE" - 0-5% "LITLE" - 5-12% "SOME" - 12-30% "AND" - 30-50% CONSISTENCY LS LOOSE S SOFT CP COMPACT FM FRM DN DENSE S STIFF V VERY H HARD

W.S.	WASH SAMPLE LYD LAT	YERED TLE	RES RX	RE: RO	SIDUAL CK	-	WR Y	WEIGHT O	FRODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
- 2	FILL 0.0-2.4'	NA		1	DO	4.0 4.0	0.0 0.0 0.0 0.0	-	SA-1 0.0-4.0 Ft. Loose, coarse to fine GRAVEL and SILT fill to approx. 2.4 ft. bgs. (GM), then firm, brown to dark brown to gray-brown CLAYEY SILT, little fine gravel, moist to very moist. (ML)
4 6 6	TILL	NA		2	DO	4.0 4.0	0.0 0.1 0.0 0.0	- -	SA-2 4.0-8.0 Ft. Firm to soft, dark brown to dark gray CLAYEY SILT to SILTY CLAY, occasional c-gravel, little to some f-gravel, some woody material present at 7.4 ft. bgs., some ash-like staining to approx. 7.5 ft. bgs., moist (ML-CL), then very soft, grayish dark-br. SILTY CLAY to CLAY, trace f-gravel, plastic, slight petroleum-like/ chemical odor present, v. moist. (CL)
- 10	GLACIOLACUSTRINE CLAY	NA		3	DO	4.0 4.0	0.0 0.0 17.1 11.7	- -	SA-3 8.0-12.0 Ft. As above, slight petroleum-like/chemical odor present, moist (CL), becoming very soft, gray-brown CLAY and SILT, little to some fine gravel, occasional coarse gravel, petroleum-like odor present in mostly the lower half of core, slightly plastic, wet. (CL) Glaciolacustrine clay (GC) beginning at approx. 7.5 ft. bgs.
2 4 6 8	END OF BORING 12.0' bgs.							- - - -	3.8 ppm in borehole at end of drilling activities. 1410/1415 - Collect soil sample 10.0-12.0 ft. bgs. for VOCs/TPH. 1440 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

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DEPTH HOLE12.0' JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING NO. RMU2-W19-E3
DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	_SHEET 1 of 1
	SURFACE EL. 320
DEPTH ROCK CORE NYA WEATHER SOINT DRILLING CO. ZESTAT ENVIRONMENTAL STREET	_SURFACE EL
NO. DIST. N/A US. N/A TEMP. 28'F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	_DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTER 1420/2-16-09
DEI III WE DIGI	_31AN1LU
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	_ COMPLETED <u>1455/2-16-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL L'I LITTLE RX ROCK	SA

W.S.	WASH SAMPLÉ LYD L LI L	AYERED ITTLE	RES RX	RO	SIDUAL		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV.	DESCRIPTION	BLOWS/	1			SAMPLES		DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
DEPTH	DESCRIP HON	FT.		NO.	TYPE	REC/ATTEMPT	PID (ppm)	DEFIN	
2	FILL 0.0-2.6'	NA		1	DO	3.5 4.0	0.0	-	SA-1 0.0-4.0 Ft. Loose, coarse GRAVEL and SILT fill, moist, to approx. 2.6 ft. bgs.(GM), then firm, brown CLAYEY SILT, trace to little fine gravel, trace fine sand, moist to very moist. (ML)
4			-			4.0	0.0	-	
0 9	UPPER CLAY TILL	NA		2	DO	3.4 4.0	0.0 0.0 0.0	-	SA-2 4.0-8.0 Ft. Firm to soft, brown to dark brown CLAYEY SILT, little to some very fine to fine gravel, very moist, with zone of black-stained woody material from approx. 6.2-6.6 ft. bgs.(ML), becoming very soft, gray-brown fine-SANDY SILT, little fine gravel, some clay content from approx. 6.6-8.0 ft. bgs., very moist. (ML)
10	GLACIOLACUSTRINE	NA		3	DO	3.6 4.0	0.0 0.0 0.0	-	SA-3 8.0-12.0 Ft. As above, with CLAY, little f-gravel, very slight petroleum-like odor at top of interval, moist, to 9.6 ft. bgs. (CL), then firm to soft, brown SILTY CLAY, little to trace f-gravel, becoming soft, brown CLAY, slightly plastic, moist. (CL)
12	END OF BORING 12.0' bgs.							- - - -	0.0 ppm in borehole at end of drilling activities. 1515/1520 - Collect soil sample 6.0-8.0 ft. bgs. for VOCs/TPH. 1540 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

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DEPTH HOLE 8.0' JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY BORING NO. RMU2-W19-W1

DEPTH SOIL DRILL 8.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH SHEET 1 of 1

DEPTH ROCK CORE N/A WEATHER SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320.66

NO. DIST. N/A US. N/A TEMP. 20'F DRILL RIG BOBCAT MT52 DRILLER P. ORSI DATUM SITE

DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A STARTED 0855/2-16-09

TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A COMPLETED 0910/2-16-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

W.S	WASH SAMPLE LYD	LAYERED LITTLE	RES RX	RE:	ŠIDUAL CK		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.	1	NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.8'	NA		1	DO	4.0 4.0	0.0 0.0 0.0	-	SA-1 0.0-4.0 Ft. Ashphalt to approx. 0.2 ft., then loose, coarse GRAVEL and SILT to 2.8 ft., some clay content (GM), then firm, brown SILTY CLAY, little coarse gravel, slight petroleum odor, moist to very moist. (CL)
E 4							0.2		
6	UPPER CLAY TILL	NA		2	DO	3.7 4.0	0.0 0.0 15.9 2.7	1 1	SA-2 4.0-8.0 Ft. Loose, olive-green to brown SILT, some fine sand, wet, becoming saturated from approx. 5.2 to 6.3 ft. bgs. (ML), then stiff, brown SILTY CLAY, trace coarse gravel, very moist, with approx. 2 to 3-inch interval of petroleum-like stained (blackish/sheen) coarse gravel and sand from approx. 6.8 to 7.0 ft. bgs., wet. (CL)
	END OF BORING 8.0' bgs.							-	O.9 ppm in borehole at end of drilling activities. O910/0915 - Collect soil sample 6.0-8.0 ft. bgs. for VOCs/TPH. 1030 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

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JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY 12.0' BORING NO. RMU2-W19-W2 DEPTH HOLE __ SHEET 1 of 1 DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH DEPTH ROCK CORE N/A WEATHER P.SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320.48 NO. DIST. N/A US. N/A TEMP. 22 DRILL RIG BOBCAT MT52

DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DRILLER P. ORSI .DATUM_SITE STARTED 0925/2-16-09 DROP N/A TIME WL. N/A _DROP_N/A _HRS. DELAYED<u>N/A</u>WT. CASING HAMMER_ COMPLETED <u>0950/2-16-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MIC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FINE PH PRESSURE—HYDRAULIC F FRAGMENTS PM PRESSURE—MANUAL GL GRAVEL RES RESIDUAL LI LITTLE	"TRACE" - 0 - 5%

W.S.	WASH SAMPLE LYD LAT	YERED TLE	RES RX	RES	ŠIDUAL CK		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.2'	NA		1	DO	3.8 4.0	0.0 0.0 0.1 0.0	1 1 1	SA-1 0.0-4.0 Ft. Ashphalt to approx. 0.2 ft., then loose, coarse GRAVEL and SILT fill, some fine gravel, some clay content, very moist, to approx. 2.2 ft. bgs. (GM-GC), then firm, brown CLAYEY SILT, trace fine gravel to approx. 3.5 ft. bgs. (CL-ML), then compact, olive-green to gray SILT and fine-SAND, little clay content, very moist. (SM)
4 6 0	UPPER CLAY TILL	NA		2	DO	4.0 4.0	0.0 0.0 22.8 11.7	-	SA-2 4.0-8.0 Ft. Loose, brown, fine to medium SAND and SILT, saturated, to approx. 6.8 ft. bgs. (SM), then loose, coarse to fine-GRAVEL, SILT and fine to medium-SAND, with petroleum-like black product from approx. 6.8-8.0 ft. bgs., wet. (GW-SM)
10	GLACIOLACUSTRINE CLAY ———————————————————————————————————	NA		3	DO	4.0 4.0	2.8 1.6 0.8 0.7	1 1 1	SA-3 8.0-12.0 Ft. As above, some petroleum-like product present, occasional rock fragments to 8.6 ft. bgs. (GW-SM), then firm, brown CLAYEY SILT to SILTY CLAY, little fine gravel, moist, to approx. 11.0 ft. bgs. (ML to CL), becoming soft, brown SILTY CLAY, trace fine gravel, slightly plastic, moist. (CL) Glaciolacustrine clay (GC) transition zone beginning at approx. 11.0 ft. bgs.
2	END OF BORING 12.0' bgs.								0.8 ppm in borehole at end of drilling activities. 0940 - Collect soil sample 6.0-8.0 ft. bgs. for VOCs/TPH. 1035 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007	
DEPTH HOLE12.0' JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING NO. RMU2-W19-W3
DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	_SHEET 1 of 1
	SURFACE EL. 320
DEPTH ROCK CORE NYA WEATHER 1.30MM DRILLING CO. 225M ENVIRONMENTAL BRILLING	_SURFACE EL
NO. DIST. N/A US. N/A TEMP. 24F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	_DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTER 0955/2-16-09
DEF IN WE HNS. FROD WI. SAMFLER HAMMER DNOF	_ 3 TAR TED
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	_ COMPLETED 1015/2-16-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

W.S.	WASH SAMPLE LYD	LAYERED LITTLE	RES RX	RES	SIDUAL CK		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD	
ELEV.	DESCRIPTION	BLOWS/				SAMPLES	PID	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES	
DEPTH		FT.		NO.	TYPE	REC/ATTEMPT	(ppm)			
	FILL 0.0-0.9'						0.0	ı	coarse GRAVEL, SILT and fine to medium SAND fill to 0.9 ft., very moist (GW-SM), then firm, brown to dark	
E ,		NA		1	DO	3.8	0.0		brown CLAYEY SILT, trace fine gravel, very moist, some multi-colored SILTY CLAY and SILT, from	
= ²	UPPER CLAY			'	DO	3.8 4.0	0.1		3.7-4.0 ft. bgs. (CL-ML)	
E	TILL		=				0.0	_		
E							0.0			
E 4			-					-	SA-2 4.0-8.0 Ft. As above to approx. 4.7 ft. bgs., very moist,	
E] =				0.0	_	then loose, brown to tan-brown, SILT and fine to medium-SAND, some clay content, saturated, to	
E			=				0.2		approx. 6.9 ft. bgs.(SM), then loose, coarse to	
- 6		NA	=	2	DO	3.3 4.0		_	fine-GRAVEL, SILT and fine to medium- SAND, with petroleum-like black product from approx. 6.9-8.0 ft.	
E] =			4.0	18.5		bgs., wet. (GW-SM)	
F	UPPER SILT		=				33.6	_		
E 8	TILL		_=					_		
E			=				*16.1		SA-3 8.0-10.0 Ft. As above to approx. 8.7 ft. bgs., wet, then firm, brown SILTY CLAY, little fine gravel, very moist,	
-			=				*16.1	-	to approx. 10.9 ft. bgs.(CL), becoming soft, brown	
Ē.,						37	*3.7		SILTY CLAY, trace fine gravel, occasional thin silt seams, slightly plastic, very moist. (CL)	
E 10		NA	=	3	DO	3.7 4.0	*1.6	_		
E	GLACIOLACUSTRIN	_]					_	Glaciolacustrine clay (<i>GC</i>) beginning at approx. 10.9 ft. bgs.	
E			=				*0.9			
10	CLAY END OF BORING		-						*PID readings in this interval may be from	
E	12.0' bgs.		=						petroleum-like product impacted groundwater around	
E	12.0 bgs.		=						core sample; PID scanning performed internal to core.	
E] =					_	1015/1020 - Collect soil sample 6.0-8.0 ft. bgs. for	
E			=						VOCs/TPH. 1045 - Collect groundwater sample for VOCs.	
F			=					-		
E									NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined	
F			=						in the field by physical (hand) observation.	
E] =					_		
Ę			=							
F			=					-		
E			=							
F			=							
E] =					_		
E			=							
F			=					-		
E] =							
F			=							
E I] =					_		
E] =							
		<u> </u>								

NYSDEC OHMS Document No. 201469232-00007	
	BORING NO. RMU2-W19-W4
DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	_SHEET <u>1 of 1</u>
DEPTH ROCK CORE N/A WEATHER P.SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	_SURFACE EL. 320
	_DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	_STARTED_1055/2-16-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED <u>1115/2-16-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM	SA

W.S.	WASH SAMPLÉ LYD LI	LAYERED LITTLE	RES RX	RO	SIDUAL		WR Y	WEIGHT C YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV.		BLOWS/	İ		SAMPLES				
DEPTH	DESCRIPTION	FT.		NO.	TYPE	REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2		NA		1	DO	3.8 4.0	0.0 0.0 0.0 0.1	- -	SA-1 0.0-4.0 Ft. Ashphalt to approx. 0.2 ft., then loose, coarse GRAVEL, SILT and fine to medium SAND fill to 0.9 ft., very moist (GW-SM), then firm, brown to dark brown CLAYEY SILT, trace fine gravel, very moist, some partially decomposed woody material at approx. 2.3-2.4 ft. bgs., some ash-like staining and slag material from approx. 2.4-2.7 ft. bgs., moist. (ML)
6	FILL 0.0-7.8'	NA		2	DO	3.3 4.0	0.0 0.0 30.3 11.6	-	SA-2 4.0-8.0 Ft. As above to approx. 4.3 ft. bgs., very moist, then loose to compact, brown SILT and fine to medium-SAND, some clay content, saturated, liquefaction observed, to approx. 6.4 ft. bgs.(SM), then loose, coarse to fine-GRAVEL, SILT and fine to medium-SAND, with petroleum-like black product within soil media to approx. 7.8 ft. bgs. (GW-SM), then stiff to firm, brown CLAYEY SILT to SILTY CLAY. (ML-CL)
10	GLACIOLACUSTRINE CLAY	E NA		3	DO	3.3 4.0	8.6 5.4 4.4 1.0	- -	SA-3 8.0-12.0 Ft. As above, little fine gravel, occasional coarse gravel, some silt content. (ML-CL) becoming soft and slightly plastic from approx. 11.6 ft. bgs. Glaciolacustrine clay (GC) beginning at approx. 8.0 ft. bgs.
	END OF BORING 12.0' bgs.							- - - -	1120/1125 - Collect soil sample 6.0-7.8 ft. bgs. for VOCs/TPH. 1120 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007

JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY 12.0' BORING NO.RMU2-W19-W4-N DEPTH HOLE __ SHEET 1 of 1 DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH DEPTH ROCK CORE N/A WEATHER SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320 NO. DIST. N/A US. N/A TEMP. 27'F DRILL RIG BOBCAT MT52

DEPTH WL N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DRILLER P. ORSI DATUM SITE DROP N/A STARTED 1234/2-16-09 TIME WL. N/A DROP N/A _HRS. DELAYED<u>N/A</u>WT. CASING HAMMER_ COMPLETED 1250/2-16-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MIC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FINE PH PRESSURE—HYDRAULIC F FRAGMENTS PM PRESSURE—MANUAL GL GRAVEL RES RESIDUAL LI LITTLE	"TRACE" - 0 - 5%

	. WASH SAMPLE LYD L	ITTLE	RX	RO	CK		Ϋ́	YELLOW	V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.	,	NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-9.0'	NA		1	DO	3.7 4.0	0.0 0.0 0.0 0.2	- -	SA-1 0.0-4.0 Ft. Ashphalt to approx. 0.2 ft., then loose, coarse to fine GRAVEL and SILT fill to 1.9 ft., slight chemical odor near top of core sample, to approx 2.0 ft. bgs., (GW-SM) then soft, brown to discolored CLAYEY SILT, coarse GRAVEL and SAND, SILT fill, significant chemical/organic odor present, occasional woody material, wet. (ML to GM) SA-2 4.0-8.0 Ft. Loose, fine to coarse SAND, occasional
4 1 10		NA		2	DO	<u>2.1</u> 4.0	15.6 4.5 5.6 26.3	- -	coarse gravel, wet, to approx. 4.6 ft. bgs., then very coarse, porous rocky fragments and fine to coarse gravel, with blackish, organic like liquid/odor in core sample, wet. (GP)
10	GLACIOLACUSTRINE	. NA		3	DO	4.0 4.0	459 117 68.7 44.9	-	SA-3 8.0-12.0 Ft. As above to approx. 9.0 ft., chemical odor present, then very soft, SILTY CLAY and SILT, saturated, (CL-ML), becoming compact, brown SILT, trace fine gravel from 10.5 ft. bgs., wet. (ML) Glaciolacustrine clay (GC) beginning at approx. 9.0 ft. bgs.
12	END OF BORING 12.0' bgs.							- - - -	4.9 ppm in borehole at end of drilling activities 1250/1255 - Collect soil sample 8.0-11.0 ft. bgs. for VOCs/TPH. 1425 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007	
DEPTH HOLE24.0' JOB_NO083-89111 PROJECT_CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING NO. W19-W4-N2
DEPTH SOIL DRILL 24.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	ou=== 1 of 1
DEPTH SOIL DRILL 24.0 GA INSP. RUM DRILLING METHOD DIRECT 1 0311	SHEE I
DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	SURFACE FL. 320.05
NO. DIST. N/A US. N/A TEMP. 36°F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	DATUMSITE
N/A	
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTED_0900/4-22-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED 1000/4-22-09
TIME WE HNS. DELATED_177 WT. CASING HAMIMEN DNOF _177	COMPLETED 10007 1 EE 00

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

w.s.	WASH SAMPLE LYD	LAYERED LITTLE	RES RX	RE:	SIDUAL CK	<u>-</u> ,	WR Y	WEIGHT C YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.	•	NO.	TYPE	SAMPLES REC/ATTEMPT	PID* (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.4'	NA		1	DO	3.6 4.0	0.0	-	SA-1 0.0-4.0 Ft. Dense, coarse GRAVEL and SILT, some fine to coarse sand, very moist, to approx. 2.4 ft. bgs., (GM), then firm, dark gray-brown to blackish, CLAYEY SILT, little fine gravel, with blackish, organic-like liquid and odor present from approx. 3.1-4.0 ft. bgs. (ML)
							0.0	-	
2 4 6 8 9	UPPER CLAY TILL	NA		2	DO	4.0 4.0	0.0 0.0 0.0 0.0	-	SA-2 4.0-8.0 Ft. As above, with zone of black-stained, SILTY CLAY from approx. 4.4-4.7 ft. bgs., pockets of coarse sand and fine to coarse gravel, blackish staining, to approx. 5.2 ft. bgs., very moist, then stiff, brown SILTY CLAY, little to some fine gravel, slightly laminated, wet. (CL)
11		NA		3	DO	3.1 4.0	0.0 0.0 0.0 0.0	-	SA-3 8.0-12.0 Ft. As above to approx. 9.3 ft. bgs. (CL), then compact, brown-gray fine SAND, little silt content, trace fine gravel, saturated, with increasing gravel and sand coarseness towards bottom. (SM)
12	UPPER SILT TILL	NA		4	DO	<u>3.2</u> 4.0	0.0 0.0 0.0 0.0	-	SA-4 12.0-16.0 Ft. Compact, gray brown to brown, gravelly, silty, fine to coarse SAND, little to some clay content, saturated. (SM) SA-5 16.0-20.0 Ft. As above, with increasing clay content to approx. 18.9 ft. bgs., saturated (SM), then firm to soft, brown SILTY CLAY, trace fine gravel, trace to little fine
- 16 - 18 - 18 - 20		NA		5	DO	3.4 4.0	0.0 0.0 0.0 0.0	- -	sand, becoming slightly plastic from approx. 19.3 ft. bgs., very moist. (CL) SA-6 20.0-24.0 Ft. As above to approx. 20.4 ft. bgs., then very soft, brown-gray to brown SILTY CLAY to CLAY, trace fine gravel to approx. 21.2 ft. (CL), becoming firm to stiff, brown SILTY CLAY, little fine gravel, occasional
22	GLACIOLACUSTRINE CLAY — — — — — — — — — — — — — — — — — — —	NA		6	DO	3.5 4.0	0.0 0.0 0.0 0.0	- -	coarse gravel, slightly laminated, turning back to compact SILT, little fine gravel, some clay content, wet to saturated. (CL-ML) 1025 - Collect soil sample 4.0 to 5.0 ft.bgs. for VOCs. 1145 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation. Glaciolacustrine clay (GC) beginning at approx. 19.3 ft. bgs.

NYSDEC OHMS Document No. 201469232-00007	
	BORING NO.RMU2-W19-W4-S
DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	SHEET1 of 1
DEPTH ROCK CORE N/A WEATHER SUNNY DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	SURFACE EL. 320
NO. DIST. N/A US. N/A TEMP. 27°F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTED_1255/2-16-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED <u>1315/2-16-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

W.S.	WASH SAMPLÉ LYD L LI L	AYERED TTLE	RES RX	RE:	SIDUAL		WR Y	WEIGHT C YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV.	DESCRIPTION	BLOWS/				SAMPLES	PID	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
DEPTH		FT.	-	NO.	TYPE	REC/ATTEMPT	(ppm)		SA-1 0.0-4.0 Ft. Asphalt to approx. 0.3 ft., then loose, coarse
	FILL 0.0-2.6'	NA		1	DO	3.6	0.0	-	GRAVEL, fine to coarse SAND and SILTY CLAY fill, to 2.6 ft. bgs, wet from 1.5-2.0 ft. (GW-SC), then firm, multi-colored CLAYEY SILT, little coarse gravel. (ML)
2					БО	3.6 4.0	0.0	-	
Ē.	UPPER CLAY						0.0	_	
4 6 6	TILL	NA		2	DO	4.0 4.0	0.0 0.0 0.0	-	SA-2 4.0-8.0 Ft. As above, trace fine gravel, to approx. 5.2 ft. bgs. (ML), then firm to stiff, brown SILTY CLAY, little fine gravel, occasional coarse gravel, trace fine sand, very moist. (CL)
8			-				0.0	-	SA-3 8.0-10.0 Ft. As above to approx. 9.1 ft., then stiff to firm, brown SILTY CLAY, little to trace fine gravel, very moist. (CL)
10 10	GLACIOLACUSTRINE CLAY	NA NA		3	DO	3.7 4.0	0.0	-	Glaciolacustrine clay (GC) beginning at approx. 9.1 ft. bgs.
12	END OF BORING 12.0' bgs.							- - - - -	0.0 ppm in borehole at end of drilling activities 1325/1330 - Collect soil sample 3.0-5.0 ft. bgs. for VOCs/TPH. 1430 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007

JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY 12.0' BORING NO. RMU2-W20 DEPTH HOLE ___ SHEET 1 of 1 DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320.73 NO. DIST. N/A US. N/A TEMP. 51'F DRILL RIG BOBCAT MT52

DEPTH WL N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DRILLER P. ORSI .DATUM_SITE DROP N/A STARTED 1345/2-11-09 TIME WL. N/A DROP N/A HRS. DELAYED<u>N/A</u>WT. CASING HAMMER_ COMPLETED 1400/2-11-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. TINN-WALLED, PISTON W.S. WASH SAMPLE	BL	TRACE

W.S.	WASH SAMPLE LYD I	AYERED JTTLE	RES RX	RE:	ŠIDUAL CK		WR Y	WEIGHT C YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.0'	_ NA			DO		0.0 0.0 0.0 0.0	-	SA-1 0.0-4.0 Ft. Loose, coarse GRAVEL, SILT and fine to coarse SAND fill to 2.0 ft. bgs., moist (GP-SM), then firm, gray to discolored CLAYEY SILT, some multicolored, SILTY CLAY from approx. 3.6-4.0 ft. bgs, moist. (ML to CL)
4 6	UPPER CLAY TILL	NA		2	DO	3.8 4.0	0.0 0.0 0.0 0.0	- - -	SA-2 4.0-8.0 Ft. Firm, brown SILTY CLAY, little fine gravel, trace fine sand, very moist to approx. 6.1 ft. bgs. (CL), then loose to compact, brown SILT and fine-SAND, some clay content, saturated. (SM)
10		NA		3	DO	4.0 4.0	0.0 0.0 0.0 0.0	-	SA-3 8.0-12.0 Ft. As above, saturated, with intermittent firm, brown-gray SILTY CLAY zones, increasing clay content, wet. (SM-CL)
12	END OF BORING 12.0' bgs.							-	1415 - Collect soil sample 4.0-6.0 ft. bgs. for VOCs. 1535 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

 NYSDEC OHMS Document No. 201469232-00007

 DEPTH HOLE
 12.0'
 JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY
 BORING NO. RMU2-W21

 DEPTH SOIL DRILL
 12.0'
 GA INSP. RJM DRILLING METHOD DIRECT PUSH
 SHEET
 1 of 1

 DEPTH ROCK CORE
 N/A
 WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING
 SURFACE EL. 320.57

 NO. DIST.
 N/A US. N/A TEMP. 36'F DRILL RIG BOBCAT MT52 DRILLER P. ORSI DATUM SITE
 DATUM SITE

 DEPTH WL.
 N/A
 HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A STARTED 0830/2-12-09

 TIME WL.
 N/A
 HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A COMPLETED 0850/2-12-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.D. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MIC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAYY OG GRANGE CLY CLAYY ORG ORGANIC FRAG FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL LYTEED RES RESIDUAL LYTEED RS RESIDUAL LYTEED RX ROCK	SA

W.S.	WASH SAMPLE LYD LA	YERED TLE	RES RX	RE RO	SIDUAL CK	-	WR Y	WEIGHT C YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.	•	NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-1.1'	NA		1	DO	4.0 4.0	0.0 0.0 0.0 0.0	- -	SA-1 0.0-4.0 Ft. Ashphalt to approx. 0.3 ft., then loose, coarse GRAVEL and SILT fill to 1.1 ft. bgs., dry, (GP-SM) then firm, brown CLAYEY SILT, little fine gravel, occasional coarse gravel, moist, to approx. 2.0 ft. bgs. (ML), then firm, gray to discolored CLAYEY SILT, some multi-colored, SILTY CLAY from approx. 3.6-4.0 ft. bgs, moist. (ML to CL)
4 6 0	UPPER CLAY TILL	NA		2	DO	3.2 4.0	0.0 0.4 0.1 0.0	-	SA-2 4.0-8.0 Ft. As above to approx. 4.2 ft. bgs., with black, ash-like staining at top of interval, then compact, brown SILT and fine to medium SAND, little fine gravel, some clay content, wet, to approx. 7.6 ft. bgs. (SM), then firm, brown CLAYEY SILT, little fine gravel, very moist. (ML)
10	GLACIOLACUSTRINE CLAY	NA		3	DO	4.0 4.0	0.0 0.0 0.0 0.0	1 1	SA-3 8.0-12.0 Ft. As above, with zone of SILT and fine to medium SAND, saturated, from approx. 8.2-8.6 ft. bgs., then firm, brown SILTY CLAY, little to trace fine gravel, occasional coarse gravel, very moist (ML-CL), becoming very soft, brown-gray SILTY CLAY from approx. 10.5 ft. bgs, plastic, very moist. (CL) Glaciolacustrine clay (GC) beginning at approx. 10.5 ft. bgs.
2 4 6 8 10 12	END OF BORING 12.0' bgs.							- - - -	0850 - Collect soil sample 5.0-6.0 ft. bgs. for VOCs. 1405 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007	
NYSDEC OHMS Document No. 201409232-00007	
DEPTH HOLE28.0' JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING NO. RMU2-W22
DEPTH SOIL DRILL <u>28.0'</u> GA INSP. <u>RJM</u> DRILLING METHOD DIRECT PUSH	SHEET1 of 2
DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	SURFACE_EL320.37
NO. DIST. N/A US. N/A TEMP. 40°F-WINDY DRILL RIG BOBCAT MT52 DRILLER P. ORSI	DATUMSITE
NO. DIST. NYA US. NYA TEMP. 401 WHOST DRILL RIG BOBOKT WITE DRILLER 1. OKSI	_DATUM
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTED_0900/2-12-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED <u>1020/2-12-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

	LI LI	LITTLE	RX	RO	CK		Ÿ``	YELLOW	V VERY H HARD
LEV. EPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2		NA		1	DO	4.0 4.0	0.0 0.0 0.0 0.0		SA-1 0.0-4.0 Ft. Ashphalt to 0.2 ft., then loose, coarse GRAVEL, SILT and fine to medium SAND fill to appro 1.1 ft. (GM), then firm, brown CLAYEY SILT to SILTY CLAY, occasional coarse gravel, little to some fine gravel, little fine sand, occasional thin silt pockets, increasing clay content towards bottom, moist to very moist. (ML to CL)
6		NA		2	DO	4.0 4.0	1.7 0.4 1.6 3.8		SA-2 4.0-8.0 Ft. Firm to stiff, brown CLAYEY SILT to SILT CLAY, little to some fine gravel, trace fine sand, very very slight chemical odor present, moist to very moist (ML to CL)
0	NA		3	DO	4.0 4.0	10.1 7.6 14.1 9.7		SA-3 8.0-12.0 Ft. Firm, brown CLAYEY SILT, little fine gravel, little fine gravel, some slightly discolored soil media near top of interval, slight chemical odor prese very moist, to approx. 10.1 ft. bgs., then compact, brown SILT, little fine sand, trace to little fine gravel, occasional coarse gravel, wet to slightly saturated, slight chemical odor present, moist. (ML)	
4	FILL/ RE-WORKED SOILS	NA		4	DO	3.9 4.0	0.1 0.0 0.0 0.0		SA-4 12.0-16.0 Ft. As above, fine gravel, some clay conterno chemical odor, slightly wet throughout. (ML)
8		NA		5	DO	4.0 4.0	0.0 0.0 0.0 0.0		SA-5 16.0-20.0 Ft. Compact, brown CLAYEY SILT to SILT little fine gravel, wet to saturated. (ML)
22 24		NA		6	DO	4.0 4.0	0.0 0.0 0.0		SA-6 20.0-24.0 Ft. As above, some clayey silt, some slag-like material at approximately 20.4 ft. bgs., seve large rock fragments at bottom of interval, saturated. (ML)

NYSDEC OFFEDOROPHING 201069232-00007

DEPTH HOLE	ON/NY BORING NO. RMU2-W22
DEPTH SOIL DRILL <u>28.0'</u> GA INSP. <u>RJM</u> DRILLING METHOD <u>DIRECT PUSH</u>	SHEET 2 of 2
DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLI	NG SURFACE EL. 320.37
NO. DIST. N/A US. N/A TEMP. 40°F-WINDY DRILL RIG BOBCAT MT52 DRILLER F	P. ORSI DATUM SITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/	A STARTED 0900/2-12-09
TIME WL. N/A HRS. DELAYED_N/A WT. CASING HAMMER_N/A DROP_N/	A COMPLETED 1020/2-12-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE BL C.S. CHUNK SAMPLE BR D.O. DRIVE OPEN C D.S. DENISON SAMPLE CA P.S. PITCHER SAMPLE CL R.C. SCOTTED T.O. THIN-WALLED, PEN GR W.S. WASH SAMPLE LTD UKS. WASH SAMPLE LTD UKS. WASH SAMPLE LTD	BLACK	AT SATURÂTED "SOME" - 12-30% D SAND D SAND U SAND SILT Y SILT Y SILT Y SILT M SOME R TRACE L WATER LEVEL L WATER LEVEL L WATER LEVEL H WEIGHT OF HAMMER CP COMPACT FM FIRM

LI LITTLE RX ROC						ROCK Y YELLOW			V VERY H HARD
ELEV.	DESCRIPTION	BLOWS/			_	SAMPLES		DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
DEPT		FT.		NO.	TYPE	REC/ATTEMPT	PID (ppm)	5 2	
26	FILL/ RE-WORKED SOILS	NA		7	DO	1.9 4.0	0.0 0.0 0.0 0.0		SA-7 24.0-28.0 Ft. As above, little coarse to fine gravel, increasing clay content, saturated. (ML)
	END OF BORING 28.0' bgs.								Boring terminated at approx. 28.0 ft. bgs.; no GC encountered. 0925 - Collect soil sample 10.0-12.0 ft. bgs. for VOCs. 1410 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007	
	BORING NO. RMU2-W23
DEPTH SOIL DRILL 16.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	_SHEET <u>1 of 1</u>
DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	SURFACE EL. 320.63
NO. DIST. N/A US. N/A TEMP. 40°F-WINDY DRILL RIG BOBCAT MT52 DRILLER P. ORSI	_DATUMSITE
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	_STARTED_1036/2-12-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	_ COMPLETED 1105/2-12-09

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MIC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FINE PH PRESSURE—HYDRAULIC F FRAGMENTS PM PRESSURE—MANUAL GL GRAVEL RES RESIDUAL LI LITTLE	"TRACE" - 0 - 5%

w.s.	HIN-WALLED, PISTON GL GR. WASH SAMPLE LYD LA' LI LIT	AVEL ÆRED TLE	RES RX	RE	SIDUAL	•	WR Y	WEIGHT C YELLOW	FRODS ON DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.		NO.	TYPE	SAMPLES REC/ATTEMPT	_ PID \	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	<u>FILL 0.0-0.5'</u>	NA			DO		0.0 0.0 0.0 3.2	- - -	SA-1 0.0-4.0 Ft. Loose, coarse GRAVEL and SILT fill to approx. 0.5 ft. (GM), then firm, brown CLAYEY SILT, little fine gravel, trace to little fine-sand, occasional rock fragments and coarse gravel, moist. (ML)
6	UPPER CLAY TILL	NA		2	DO	4.0 4.0	1.5 1.0 0.0 0.0	- -	SA-2 4.0-8.0 Ft. Stiff, brown CLAYEY SILT to SILTY CLAY, trace to little fine gravel, occasional tan-brown silt pockets, with 0.5-ft. thick pocket of compact silt from approx. 5.5 to 6.0 ft. bgs., very moist, to approx. 6.0 ft. bgs. (ML-CL), then firm to soft, brown SILTY CLAY, trace fine gravel, very moist. (CL)
- 10		NA		3	DO	3.9 4.0	0.0 0.0 0.0	-	SA-3 8.0-12.0 Ft. Firm, brown SILTY CLAY to CLAYEY SILT very moist, to approx. 8.4 ft. bgs. (CL-ML), then compact, tan-brown to brown SILT, little to some fine sand, little fine gravel, becoming saturated around 11.3 ft. bgs., then soft, gray-brown SILTY CLAY to CLAY, trace fine gravel, trace fine sand, plastic, moist. (ML-CL) Glaciolacustrine clay (GC) transition zone beginning at
- 12	GLACIOLACUSTRINE CLAY MIDDLE SILT TILL	NA		4	DO	4.0 4.0	0.0 0.0 0.0 0.0	- -	approx. 11.3 ft. bgs. SA-4 12.0-16.0 Ft. As above, becoming compact, tan-brown to brown SILT again from approx. 13.0 ft. bgs., very moist. (CL-ML)
16	END OF BORING 16.0' bgs.							-	1100 - Collect soil sample 5.0-6.0 ft. bgs. for VOCs. 1415 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

APPENDIX D PHASE I WESTERN BOUNDARY INVESTIGATION RADIATION SCREENING (PROVIDED BY OTHERS)



CWM Chemical Services, LLC.

Generic Small Project Soil Excavation Monitoring and Management Report

Prepared	By: STUART PR	ICE (ENS.	Date of R	leport: 2/9/09
Descriptio	n of Excavation Location:	FOOTPRINT	OF RMU-L	
GPS Norti	ning:	Purpose o	f Evacuation	
GPS Easte		Pur Co Bu	Excavation: NUESTIGHT	E SELL FOR
Elevation:	msl	P-6	E CHEMICAL + RADIOLO	GILAC CONTAMINATION
1. Radiolog	gical Survey Scan			
Rad Scan I	Performed By: STUMET	Preyce	Date of Rad Survey:	2/9/09
Rad Instru	ment Used: LUDCUM SUH	MODEL-222 -10 PROBE	Date of Calibration:	2/2/09 CALDUE: 2/2/10
Documenta	ition of QC checks perform	ed before and	after survey (describe):	·
FRE-SUR	VEY: 1 MIN. BKED &	DUNT: 4.4	33 0000 1 4000 0000	-HECK: 74,592 CPM
POST-Som	WEY! I MIN. BKED	COUNT : 5,21	1 CPM 1 MIN. SOURCES	CHECK! 75,027 cpm
Description THEN	of Rad Survey performed:	SCANNED 12' e A	SURFACE OF GEO-	PROBE LOCATION,
	urvey Results:			
Time	Scan Survey Data	Units	Scan Location (La	ver Lift Rottom)
1030	41820 6,650	CPM		1 CE BKED - 6,319 CPM
1115	5,500 7,400	***************************************		
1200	5,200 - 7,785			
1345	5980 - 7,750	. (_	
1470	5,645- 7,500			ACE BKOD- 7,627 CPM
T				

Note: Attach sketches, maps or drawings of scan and sample locations as necessary to document exact location of excavation activities.



CWM Chemical Services, LLC.

Generic Small Project Soil Excavation Monitoring and Management Report

		Managem	ent Report	
Prepared By:	STUART PRYCE	(ENSOL)	Date of R	Report: 2/10/09
Description of	Excavation Location:	FOOTPRIA	T OF RMU-2	
GPS Northing	•	Purpose of 1	Excavation: NUESTIL	47E SOIL FOR
GPS Eastern: Elevation:	msl	CHEMICE GEO-F	9L + RADIOCOGIC AL PROBE	- CONTAMINATION Z
1. Radiologica	l Survey Scan			
Rad Scan Peri	formed By: STUART	PRYCE	Date of Rad Survey:	2110109
Rad Instrume	nt Used: LUDLUM M WITH 44-1	ODEL-2221	Date of Calibration:	2/2/09 CalDuE-2/2/10
Documentation PRE-SURV	n of QC checks performed by: A MIN BK6	ed before and at	fter survey (describe): 8.79con 1 MIN SOURCE	CHECK: 75004com
POST-Sun	VEY: 1 MIN BIKE	D COUNT:5	426 cpm 1 M/N, SOURCE	CHECK: 74817cpm
Description of LOCHATON SECONT.	Rad Survey performed:	SCANNED LORE 0-1	SURFACE OF GE 2' @ A RATE OF	O-PROBE = 1 INCH PER
Rad Scan Surv	vey Results:			
Time	Scan Survey Data COUNT RANGE 6,000 - 7250	Units CVM		ayer, Lift, Bottom) Surface cエー 7,229,
0915	3,300-5,500		RMU-ZW-7 50	RAPCE BKED- *3,629
1115	3,250 - 5,440		12MU-2 W-8 SU 12MU-2 W-9 SU	KENEE BKOD- 43,430CF

Note: Attach sketches, maps or drawings of scan and sample locations as necessary to document exact location of excavation activities.

PID READ INGS PROVIDED BY GOLDER

* ON PAUMENT

W-10 SURFACE BREW - 4,194 cpm

W-12 SURFACE TIKED - 6,213 CPM

SULFACE BKOD - YOT3 LPM



Prepared By:

location of excavation activities.

CWM Chemical Services, LLC.

Generic Small Project Soil Excavation Monitoring and Management Report

Date of Report: 2/11/09

STUBER PRYCE (ENSOL)

Descriptio	n of Excavation Location:	FOOTPRIN	IT OF RMU-2	
GPS North GPS Easte Elevation:	ern:	Purpose of	FEXCAVATION: THE STATE AL + RADIOLICAL CON ROBE:	SOIL FOR POSSIR
1. Radiolog	gical Survey Scan			
Rad Scan 1	Performed By: Stuart	Pryce	Date of Rad Survey:	2/11/09
5"N	r# 211782	SW# 220	Date of Calibration:	2/2/09
Documenta	ation of QC checks performe	ed before and	offer surgion (describe)	Call DUE : 2/2/10
105T- Su	RUEY: 1 MIN. BKGD	COUNT:	SGISCHM 1 MIN. SOURCE C	HECK: 78821 cpm CHECK: 76469 cpm
THE RESERVE THE PERSON NAMED IN COLUMN	- TONNE	SCHNNED DERNY	CORE O-12' @ A RA	LOCATION C
PER	SECOND.		51CC 0 12 @ 14 1214°	TE OF I INCH
	urvey Results:			
Time OBID	Scan Survey Data	Units	Scan Location (Lay	er, Lift, Bottom)
3915	31600-5850	<u>epm</u>	RMU-2 W-14 Suns	FACE BKOD - 4,459 co
1000	7,900 - 6,200 4,220 - 6,350	***************************************	PMU-2 W-15 502	FACE BKWD - 4279 CPI
1030	3,753 - 5875		RMV-2 W-16 50,	KFACETBKLD-4,751 gpm
1115	3,820-,5,950	_		1940 - 4,294 CP1
300	3,880 - 5,540	\leftarrow		RV-ACE BACKD-4,523 cpr
400	3,400-5,600			surface BK6D- 4,222cm
			17-10 = W-206-1	2 UNLATE FORLD 5.446 in

Note: Attach sketches, maps or drawings of scan and sample locations as necessary to document exact

PID READINGS PROVIDED BY GOLDER



CWM Chemical Services, LLC.

Generic Small Project Soil Excavation Monitoring and Management Report

Prepared By: _	STUART PRYCE		Date of Re	eport: 2/12/69
Description of E	Excavation Location: Building Conn	FOOTPRIN	IT OF RMU-2 IN	
GPS Northing:_ GPS Eastern: _ Elevation: _	msl	Purpose of	Excavation: TO INVEST BLE CITEMICAL + RA	HEATE FOR
1. Radiological S Rad Scan Perfor	med By: STUALT	Pouls	Data SD 16	,
Rad Instrument	1	MODEL 777	Date of Rad Survey: Date of Calibration:	2/12/09 2/2/09 CAL DUE-2/2/10
- CORUEY	· I MIN. RKGD.	Course 1	Ifter survey (describe): 672 cgm Imm source of 994 cgm Imm Source	
Description of Ra LOCATION PER SEC	LIVEN MINTH	SCANNED CORE O	SURFACE AREA OF	GEOPLOBE L INCH
Rad Scan Survey				
1300 1340 1430	Scan Survey Data 3:760 - 5,255 3:510 - 5,000 3:600 - 5,150 3:197 - 5,088 3:601 - 6,000 3:800 - 5,500	Units CPM CPM CPM CPM CPM CPM	Scan Location (Layor 63-500TH-R-1 63-500TH-R-2 63-EAST-R-1 63-EAST-R-2 63-NORTH-R-1 63-NORTH-K-2	er, Lift, Bottom)

Note: Attach sketches, maps or drawings of scan and sample locations as necessary to document exact location of excavation activities.



₹ 5011 or other media samples are collected, complete the following:

Sample ID#		Sample Loc	ation	1 Minute S	Static Count within	
	Northing	Easting	Elevation	l inch of	Sample Location	Estimated Sam
3-5-R-1			(msl)	Before	After	Volume (Include Unit
3-5-R-2 E 3-E-R-1				3,244 crim 3,551cpm	3,479 cpm	600 g.
03-E-R-Z				3,794 cpm	3506 CPM 3891 CPM	1
3-N-R-1				4,251 crm	4326 cpm	
5 N-R-Z				3,601 cpm	3,857 cpm	
				3,884 cpm	3904 cpm	7
Attention				esults are obtained		

Note: Attach analytical analysis of samples to this report when results are obtained. 2. Chemical Contamination Screening PID READINGS + RESULTS PROVIDED BY GOLDER PID Scan Performed By: Date of PID Survey: PID Instrument Used: Date of Calibration: Level of PPE Required: Visible Evidence of Chemical Contamination: Yes Description of PID Survey performed: No (Circle One) Time **VOA Screening Data** Units Scan Location (Layer, Lift, Bottom) Comments:



CWM Chemical Services, LLC.

Generic Small Project Soil Excavation Monitoring and Management Report

			ioni itoport	
Prepared l	By: STUART PRYCE		Date of Re	port: <u>2/16/09</u>
Description	n of Excavation Location:	FOOTPRINT	OF RMU-2 IN FRONT	OF SHIPPING
	THE GIFTERE DO	OKS		
GPS North		Purpose of	Excavation: INVESTIGATE	ON OF RMU-Z
Elevation:	msl	FOOTPR	NT, LOOKING FOR PO.	SSIBLE ENEMICAL
	11181	AND OL	RADIOLOGICAR CONTA	MINATION
	rical Survey Scan			
	Performed By: STUART FA		Date of Rad Survey:	2/16/09
Rad Instru	ment Used: LUDCUM D110782 WITH 4	M-2221 4-10 PROSE	Date of Calibration:	2/2/09 CALDUE - 2/10/09
Documenta	tion of OC checks nowform	2, EU/734	a.	CALDUE - 2/10/09
P0.5-5	tion of QC checks perform	ed before and ai	ter survey (describe):	
POST	SKUEY I MIN BREEZ	> COUNT - 3	1604 CPM 1 MIN SOURCE	E CHECK: 74,466 es
100,0	ORCHY, IMIN BREED	COURT - 58	586 CPM 1 MIN. SOURCE	CHECK: 75,520 CV
Description	of Rad Survey performed:	SCANNED S	TURFACE AMEA @ LOC	ATTON OF EACH
PER SE	THE SCHOOL) EACH COR	LE 0-16' @ A RATE	OF I INCH
Rad Scan Si	urvey Results:			
Time 0840	Scan Survey Data COUNT RANGE 2900 - 3,850	Units cpm	Scan Location (Laye	r, Lift, Bottom)
0915	3,100-3,940	- Andrewson - Andr	W-19 W-1 BKGD W-19 W-2	
1200	30		W-19 W-2	- 3348 cp

Note: Attach sketches, maps or drawings of scan and sample locations as necessary to document exact location of excavation activities.

3 105

APPENDIX E PHASE II WESTERN BOUNDARY INVESTIGATION BORING LOGS

NYSDEC OHMS Document No. 201469232-00007	
DEPTH HOLE24.0' JOB_NO083-89111 PROJECT_CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING NO. W19-W4-N2
DEPTH SOIL DRILL 24.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	ou=== 1 of 1
DEPTH SOIL DRILL 24.0 GA INSP. RUM DRILLING METHOD DIRECT 1 0311	SHEE I
DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	SURFACE FL. 320.05
NO. DIST. N/A US. N/A TEMP. 36°F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	DATUMSITE
N/A	
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	STARTED_0900/4-22-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED 1000/4-22-09
TIME WE HNS. DELATED_177 WT. CASING HAMIMEN DNOF _177	COMPLETED 10007 1 EE 00

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

w.s.	WASH SAMPLE LYD	LAYERED LITTLE	RES RX	RE:	SIDUAL CK	<u>-</u> ,	WR Y	WEIGHT C YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.	•	NO.	TYPE	SAMPLES REC/ATTEMPT	PID* (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2	FILL 0.0-2.4'	NA		1	DO	3.6 4.0	0.0	-	SA-1 0.0-4.0 Ft. Dense, coarse GRAVEL and SILT, some fine to coarse sand, very moist, to approx. 2.4 ft. bgs., (GM), then firm, dark gray-brown to blackish, CLAYEY SILT, little fine gravel, with blackish, organic-like liquid and odor present from approx. 3.1-4.0 ft. bgs. (ML)
							0.0	-	
2 4 6 8 9	UPPER CLAY TILL	NA		2	DO	4.0 4.0	0.0 0.0 0.0 0.0	-	SA-2 4.0-8.0 Ft. As above, with zone of black-stained, SILTY CLAY from approx. 4.4-4.7 ft. bgs., pockets of coarse sand and fine to coarse gravel, blackish staining, to approx. 5.2 ft. bgs., very moist, then stiff, brown SILTY CLAY, little to some fine gravel, slightly laminated, wet. (CL)
11		NA		3	DO	3.1 4.0	0.0 0.0 0.0 0.0	-	SA-3 8.0-12.0 Ft. As above to approx. 9.3 ft. bgs. (CL), then compact, brown-gray fine SAND, little silt content, trace fine gravel, saturated, with increasing gravel and sand coarseness towards bottom. (SM)
12	UPPER SILT TILL	NA		4	DO	<u>3.2</u> 4.0	0.0 0.0 0.0 0.0	-	SA-4 12.0-16.0 Ft. Compact, gray brown to brown, gravelly, silty, fine to coarse SAND, little to some clay content, saturated. (SM) SA-5 16.0-20.0 Ft. As above, with increasing clay content to approx. 18.9 ft. bgs., saturated (SM), then firm to soft, brown SILTY CLAY, trace fine gravel, trace to little fine
- 16 - 18 - 18 - 20		NA		5	DO	3.4 4.0	0.0 0.0 0.0 0.0	- -	sand, becoming slightly plastic from approx. 19.3 ft. bgs., very moist. (CL) SA-6 20.0-24.0 Ft. As above to approx. 20.4 ft. bgs., then very soft, brown-gray to brown SILTY CLAY to CLAY, trace fine gravel to approx. 21.2 ft. (CL), becoming firm to stiff, brown SILTY CLAY, little fine gravel, occasional
22	GLACIOLACUSTRINE CLAY — — — — — — — — — — — — — — — — — — —	NA		6	DO	3.5 4.0	0.0 0.0 0.0 0.0	- -	coarse gravel, slightly laminated, turning back to compact SILT, little fine gravel, some clay content, wet to saturated. (CL-ML) 1025 - Collect soil sample 4.0 to 5.0 ft.bgs. for VOCs. 1145 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation. Glaciolacustrine clay (GC) beginning at approx. 19.3 ft. bgs.

NYSDEC OHMS Document No. 201469232-00007

JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY DEPTH HOLE _____16.0' BORING NO. W19-W4-N3 SHEET 1 of 1 DEPTH SOIL DRILL 16.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH DEPTH ROCK CORE N/A WEATHER OVERCAST DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 320.07 NO. DIST. N/A US. N/A TEMP. 36°F DRILL RIG BOBCAT MT52 DRILLER P. ORSI DATUM SITE HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A N/A STARTED 1005/4-22-09 DEPTH WL.___ _DROP_N/A N/A HRS. DELAYED<u>N/A</u>WT. CASING HAMMER_ COMPLETED 1030/4-22-09

SAMPLE TYPES	AE	BREVIATIONS		SOIL	DESCRIPTION - RANG	E OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL	PRESSURE-HYDRAULIC PRESSURE-MANUAL RED	SAT SD SI SIY SM TR WH WR Y	SAMPLE SATURATED SAND SILT SILTY SOME TRACE WATER LEVEL WEIGHT OF HAMMER WEIGHT OF RODS YELLOW	"TRACE" - 0-5% "LITTLE" - 0-5% "LITTLE" - 5-121 "SOME" - 12-3("AND" - 30-5(CONSISTENC LS COMPACT SOME SOME SOME SOME SOME SOME SOME SOME	% %

W.S.	WASH SAMPLE LYD	LAYERED LITTLE	RES RX	RE:	SIDUAL CK	-	WR Y	WEIGHT C	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV. DEPTH	DESCRIPTION	BLOWS/ FT.	•	NO.	TYPE	SAMPLES REC/ATTEMPT	PID* (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
- 4 - 6 - 8 - 9	FILL 0.0-1.9'	- NA		1	DO	3.5 4.0	0.0 0.0 0.0		SA-1 0.0-4.0 Ft. Dense, coarse GRAVEL and SILT fill to approx. 1.9 ft. bgs., moist (GM), then loose, coarse GRAVEL and rock fragments, organic odor present, some slag-like material, with dark grayish-green organic-like liquid and odor present to 4.0 ft. bgs. (GM)
- 6	TILL	NA		2	DO	3.6 4.0	0.0 0.0 0.0 0.0	- - -	SA-2 4.0-8.0 Ft. As above, becoming loose, fine to coarse SAND and GRAVEL and SILT, with multicolored SILTY CLAY, wet, to approx. 5.2 ft. bgs. (GW-CL), then stiff, brown SILTY CLAY, little to some fine gravel, occasional coarse gravel, moderately laminated, very moist. (CL)
9.6 - 10 - 11	GLACIOLACUSTRIN	NA E		3	DO	4.0 4.0	0.0 0.0 0.0 0.0	- - -	SA-3 8.0-12.0 Ft. As above, occasional coarse gravel, occasional silt pockets, very moist, to approx. 9.6 ft. bgs. (CL), then soft to very soft, brown-gray SILTY CLAY to CLAY, trace fine gravel, plastic, with zone of compact, tan-brown, fine sand at approx. 11.9-12.0 ft. bgs., very moist. (CL) Glaciolacustrine clay (GC) beginning at approx. 9.6 ft. bgs.
- 14 -		NA	-	4	DO	3.8 4.0	0.0 0.0 0.0 0.0	-	SA-4 12.0-16.0 Ft. Compact to loose, brown to tan-brown fine to medium SAND, trace to little silt content, saturated. (SM)
- 16	END OF BORING 16.0' bgs.							- - -	1025 - Collect soil sample 4.0 to 5.0 ft.bgs. for VOCs. 1145 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007	
DEPTH HOLE12.0' JOB_NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY	BORING_NOW19-W4-N4
DEPTH SOIL DRILL 12.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH	_SHEET 1 of 1
DEPTH ROCK CORE N/A WEATHER LT.RAIN DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING	_SURFACE EL320.04_
NO. DIST. N/A US. N/A TEMP. 35°F DRILL RIG BOBCAT MT52 DRILLER P. ORSI	_DATUM_SITE
NI/A NI/A NI/A	
DEPTH WL. N/A HRS. PROD. N/A WT. SAMPLER HAMMER N/A DROP N/A	_STARTED_1055/4-22-09
TIME WL. N/A HRS. DELAYED N/A WT. CASING HAMMER N/A DROP N/A	COMPLETED <u>1115/4-22-09</u> _

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

W.S.	WASH SAMPLÉ LYD L/ LI LI	YERED	RES RX	RES	SIDUAL		WR Y	WEIGHT O YELLOW	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV.		BLOWS/				SAMPLES			
DEPTH	DESCRIPTION	FT.		NO.	TYPE	REC/ATTEMPT	PID (ppm)	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2		NA		1	DO	3.8 4.0	0.0 0.0 0.0 0.0	-	SA-1 0.0-4.0 Ft. Dense, coarse GRAVEL and SILT fill, to approx. 1.6 ft. bgs., very moist, (GM), then firm, brown CLAYEY SILT, with zone of compact, tan-brown fine sand from approx. 2.5-3.1 ft. bgs., over soft, dark grayish-black SILTY CLAY, little fine gravel, to approx. 3.8 ft. bgs. (CL), then compact SILT and fine to coarse SAND, some coarse gravel, little fine gravel, very moist. (ML-SM)
6	FILL 0.0-7.6'	NA		2	DO	4.0 4.0	0.0 0.0 1.7 6.1	-	SA-2 4.0-8.0 Ft. As above to approx. 4.5 ft. bgs., then compact, GRAVELLY coarse SAND, little silt content, wet, to approx. 7.0 ft. bgs. (GM), slight chemical odor present, then firm, brown CLAYEY SILT, trace fine gravel, to approx. 7.6 ft. bgs. (ML), then firm, gray-brown, CLAYEY SILT to SILTY CLAY, trace to little fine gravel, slightly laminated, very slight chemical odor, very moist. (ML-CL)
9 10.5	UPPER CLAY TILL — — — — — — — GLACIOLACUSTRINE	NA		3	DO	4.0 4.0	0.0 0.0 0.0	1	SA-3 8.0-12.0 Ft. As above to approx. 8.5 ft. bgs., then compact to loose, coarse SAND and fine GRAVEL, trace clay content, slightly wet, to approx. 9.0 ft. bgs. (GW), then stiff to firm, gray-brown SILTY CLAY, little fine gravel, occasional silt pockets, slightly plastic, to approx. 10.5 ft. bgs. (CL), then soft, gray SILTY CLAY to CLAY, little fine gravel, occasional thin silt lenses, plastic, slightly wet. (CL)
Ė	CLAY] =				0.0		Glaciolacustrine clay (GC) transition zone beginning at
12	END OF BORING 12.0' bgs.								approx. 10.5 ft. bgs. 1120/1125 - Collect soil sample 6.0-8.0 ft. bgs. for VOCs/TPH. 1155 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.

NYSDEC OHMS Document No. 201469232-00007

JOB NO. 083-89111 PROJECT CWM/RMU-2 FOOTPRINT RELOCATION/NY BORING NO. RMU2-W24 16.0' DEPTH HOLE ___ SHEET 1 of 1 DEPTH SOIL DRILL 16.0' GA INSP. RJM DRILLING METHOD DIRECT PUSH DEPTH ROCK CORE N/A WEATHER LT.RAIN DRILLING CO. ZEBRA ENVIRONMENTAL DRILLING SURFACE EL. 317.63
 NO. DIST.
 N/A
 US.
 N/A
 TEMP.
 45°F
 DRILL RIG
 BOBCAT MT52

 DEPTH WL.
 N/A
 HRS.
 PROD.
 N/A
 WT.
 SAMPLER HAMMER
 N/A
 DRILLER P. ORSI .DATUM_SITE DROP N/A STARTED 0834/4-20-09 N/A _DROP_N/A TIME WL. _ HRS. DELAYED<u>N/A</u>WT. CASING HAMMER_ COMPLETED <u>0905/4-20-09</u>

SAMPLE TYPES	ABBREVIATIONS	SOIL DESCRIPTION - RANGE OF PROPORTION
A.S. AUGER SAMPLE C.S. CHUNK SAMPLE D.O. DRIVE OPEN D.S. DENISON SAMPLE P.S. PITCHER SAMPLE R.C. ROCK CORE S.T. SLOTTED TUBE T.O. THIN-WALLED, OPEN T.P. THIN-WALLED, PISTON W.S. WASH SAMPLE	BL BLACK M MEDIUM BR BROWN MC MICACEOUS C COARSE MOT MOTTLED CA CASING NP NON-PLASTIC CL CLAY OG GRANGE CLY CLAYEY ORG ORGANIC F FRAGMENTS PH PRESSURE-HYDRAULIC FRAG FRAGMENTS PM PRESSURE-MANUAL CL GAYEE RES RESDUAL LI'LLITLE RS ROCK	SA

W.S.	WASH SAMPLE LYD	LAYERED LITTLE	RES RX	RES	SIDUAL CK		WR Y	WEIGHT O	F RODS DN DENSE ST STIFF V VERY H HARD
ELEV.	DESCRIPTION	BLOWS/ FT.				SAMPLES	PID*	DEPTH	SAMPLE DESCRIPTION AND BORING NOTES
2 4 10 10 11 14 16 16 16 16 16 16 16 16 16 16 16 16 16	FILL 0.0-1.1'	NA		1	DO	2.8 4.0	0.0 0.0 0.0 0.0	-	SA-1 0.0-4.0 Ft. Dense, coarse GRAVEL and SILT fill to approx. 1.1 ft. bgs., (GM), then firm, brown CLAYEY SILT, occasional coarse gravel, trace to little fine gravel, trace fine sand, very moist (ML), to approx. 3.8 ft. bgs., then compact, brown to dark brown, fine to coarse SAND, trace fine gravel, very moist. (SW)
	UPPER CLAY TILL	NA		2	DO	4.0 4.0	0.0 0.0 0.0 0.0	-	SA-2 4.0-8.0 Ft. Stiff to firm, gray-brown CLAYEY SILT to SILTY CLAY, occasional fine sand lenses, little fine gravel, very moist (ML-CL), becoming gray, SILTY CLAY from approx. 5.9 ft. bgs., with increasing softness towards bottom, very moist. (CL)
		NA		3	DO	4.0 4.0	0.0 0.0 0.0 0.0	-	SA-3 8.0-12.0 Ft. Compact, brown SAND and coarse GRAVEL, moist, to approx. 8.5 ft. bgs. (GW), then firm, gray-brown to gray SILTY CLAY, little fine gravel, occasional thin silt lenses, trace to little fine sand, very moist (CL), becoming firm, gray CLAYEY SILT, from approx. 11.2 ft. bgs., occasional coarse gravel (dropstone), little fine gravel, trace fine sand, very moist. (ML)
	— — — — — GLACIOLACUSTRINI CLAY	NA		4	DO	3.7 4.0	0.0 0.0 0.0 0.0	1 1 1	SA-4 12.0-16.0 Ft. Compact, gray SILT and fine to coarse GRAVEL, saturated, some fine to coarse sand, little clay content, to approx. 14.1 ft. bgs. (GW), then firm to compact, gray to gray-brown, SILTY CLAY to CLAY, little fine gravel, trace to little fine to coarse sand, trace coarse gravel, very moist to slightly wet. (CL)
	END OF BORING 16.0' bgs.								0850 - Collect soil sample 4.0 to 6.0 ft.bgs. for VOCs. 1115 - Collect groundwater sample for VOCs. NOTE: Since the Direct Push drilling method does not provide blow counts, soil consistency was determined in the field by physical (hand) observation.