HTW DRILLING LOG

PROJECT: Stratford Army Engine Plant
INSPECTOR: Jacqueline Heitzman
HOLE No. WC-21D1
SHEET 4 OF 6 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	23.0						
	23.5						
	24.0						
	24.5						
	25.0	SW- brown/grey m-f SAND, mica flakes, wet mod dense sand	Peak 5.5ppm			3	1147-split spoon 25-27 11" recovery
	25.5					13	
	26.0					33	Added 40gal of water to the hole
	26.5					24	
	27.0						Auger to 30 feet
	27.5						
	28.0						
	28.5						
	29.0						
	29.5						Added 40 gallons of water to hole
	30.0	SW- brown/grey m-f SAND, mica flakes, wet mod dense sand	Peak 6.9ppm			10	1210-Split spoon 2' recovery
	30.5					12	
	31.0					21	
	31.5						

HTW DRILLING LOG

PROJECT: Stratford Army Engine Plant
INSPECTOR: Jacquaine
HOLE No. WC-21D1
SHEET 5 OF 6 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	31.5					21	
	32.0						Auger to 35.0 feet
	32.5						
	33.0						
	33.5						
	34.0						
	34.5						
	35.0	SW-brown/grey m-f SAND, mica flakes, wet loose sand	Peak 7.0ppm	WC-21D1 35-37		1 2 7 7	1220-Split Spoon 35-37 18" recovery Added 40 gallons of water into hole
	35.5						
	36.0						
	36.5						
	37.0						
	37.5						Auger to 40 feet
	38.0						
	38.5						
	39.0						
	39.5						
	40.0						

Project: Stratford Army Engine Plant
Hole No.: WC-21D1

HTW DRILLING LOG

HOLE No. WC-21D1

PROJECT: Stratford Army Engine Plant

INSPECTOR: Jacqueline Heitzman

SHEET 6 OF 6 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	40.0	SW- brown/grey m-f SANDS, mica flakes, wet loose sand	Peak 5.2ppm			3 10 10 12	1240- Split Spoon 40-42 2' recovery Added 40 gallons to hole
	40.5						
	41.0						
	41.5						
	42.0						
	42.5						
	43.0						
	43.5						
	44.0						
	44.5						
	45.0	SW- brown/grey m-f SANDS, mica flakes, wet loose sand	Peak 3.2ppm			4 10 2 5	1258- Split Spoon 45-47 2' recovery
	45.5						
	46.0						
	46.5						
	47.0	Bottom of Boring	47.0 feet				
	47.5						

Project: Stratford Army Engine Plant

Hole No.: WC-21D1

HTW DRILLING LOG

HOLE No. WC-21D2

SHEET 1 OF 1 0 SHEETS 13

1. COMPANY NAME: Woodward-Clyde
2. DRILLING SUBCONTRACTOR: Associated Drilling
3. PROJECT: Stratford Army Engine Plant
4. LOCATION: Stratford, Conn
5. NAME OF DRILLER: Mark Schock
6. MANUFACTURER'S DESIGNATION OF DRILL: Mobile B61
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 4.25 & 10.25 HSA; 2" split spoon; 140 lb hammer
8. HOLE LOCATION: Access Rd
9. SURFACE ELEVATION feet: 7.5
10. DATE STARTED: 1-4-95
11. DATE COMPLETED: 1-5-95
12. OVERBURDEN THICKNESS: 148
13. DEPTH DRILLED INTO ROCK: None
14. TOTAL DEPTH OF HOLE: 148
15. DEPTH GROUNDWATER ENCOUNTERED: 6.0
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: —
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): —
18. GEOTECHNICAL SAMPLES: DISTURBED 11; UNDISTURBED
19. TOTAL NUMBER OF CORE BOXES: —
20. SAMPLES FOR CHEMICAL ANALYSIS: VOC —; METALS —; OTHER (SPECIFY) —; OTHER (SPECIFY) —
21. TOTAL CORE RECOVERY: — %
22. DISPOSITION OF HOLE: BACKFILLED; MONITORING WELL X; OTHER (SPECIFY)
23. SIGNATURE OF INSPECTOR: Jacqueline Kelleyman

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
			Background 3.1ppm				See WC-21D2 log for 0-47 feet.
	47						Begin auger to 50 feet
	47.5						
	48.0						
	48.5						
	49.0						
	49.5						
	50.0	SW-Brown/grey m-f SAND, mica flakes, wet. loose sand	4.0ppm	—	—	17	1039-Split spoon 50-52 15" recovery
	50.5					10	
	51.0					10	
	51.5					9	
	52.0						Running sands problem with

Project: Stratford Army Engine Plant

Hole No.: WC-21D2

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT Stratford Army Engine Plant | INSPECTOR Jacqueline Heitczman | SHEET 2 OF 13 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	52						Sample every 10 feet. Auger to water
	52.5						
	53.0						
	53.5						
	54.0						
	54.5						
	55.0						
	55.5						
	56.0						
	56.5						
	57.0						
	57.5						
	58.0						
	58.5						
	59.0						Augered to 60 feet. Used to clean out hole. Used 30 gallons of water
	59.5						
	60.0	SW- Brown/grey m-f SAND. trace of Subangular fine gravel, wet, dense sand.	4.0ppm	–	–	12	1143-Split Spoon 60-62 17' Recovery
	60.5						

Project: Stratford Army Engine Plant

Hole No.: WC-21D2

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT Stratford Army Engine Plant | INSPECTOR Jacqueline Heitczman | SHEET 3 OF 13 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	60.5					37	
	61.0					30	
	61.5					33	
	62.0						Auger to 70 feet
	62.5						
	63.5						
	64.0						
	64.5						
	65.0						
	65.5						
	66.0						
	66.5						
	67.0						
	67.5						
	68.0						
	68.5						
	69.0						

Project: Stratford Army Engine Plant

Hole No.: WC-21D2

HTW DRILLING LOG

HOLE No. WC-2102

PROJECT Stratford Army Engine Plant | INSPECTOR Jacqueline Heitczman | SHEET 4 OF SHEETS 13

ELEV. a	DEPTH 109.0'	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	69.5						
	70.0	GW-white/black/grey, Fine-med GRAVEL, trace of fine sand, wet, 8"					
	70.5	SW-white/black/grey med SAND, wet, 6", med dense sand	2.9ppm	—	—	11 16	1344 Split Spoon 70-72 9" recovery
	71.0					14	
	71.5					10	
	72.0						Auger to 80.0 feet
	72.5						
	73.0						
	73.5						
	74.0						
	74.5						
	75.0						
	75.5						
	76.0						
	76.5						
	77.0						
	77.5						

Project: Stratford Army Engine Plant

Hole No.: WC-2102

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT Stratford Army Engine Plant

INSPECTOR Jacqueline Heitczman

SHEET 5 OF 13 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	77.5						
	78.0						
	78.5						
	79.0						used 100 gallons of water to clean out hole
	79.5						
	80.0	SW- brown/black/white m-f SAND, wet, very dense sand					H27-split spoon 80-82 feet 13" recovery
	80.5	GM- brown sand GRAVEL subangular medium, wet.	3.0ppm	–	–	5	
	81.0					30	
	81.5					60/5"	
	82.0						Auger to 90 feet
	82.5						
	83.0						
	83.5						
	84.0						
	84.5						
	85.0						
	85.5						
	86.0						

Project Stratford Army Engine Plant

Hole No. WC-21D2

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT Stratford Army Engine Plant | INSPECTOR Jacqueline Heitzman | SHEET 6 OF 13 SHEETS

ELEV. a	DEPTH 86.0 b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	86.5						
	87.0						
	87.5						
	88.0						
	88.5						
	89.0						Added 100 gallons to clean out hole
	89.5						
	90.0	SW-Brown subangular m-f gravelly SAND, wet, med-dense sand.				14	1505-Split spoon 90-92 feet 8" Recovery
	90.5		2.6ppm	—	—	20	
	91.0					21	
	91.5					22	
	92.0						Auger to 100.0 feet
	92.5						
	93.0						
	93.5						
	94.0						
	94.5						

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT: Stratford Army Engine Plant

INSPECTOR: Jacqueline Heitzman

SHEET 7 OF 13 SHEETS

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	94.5						
	95.0						
	95.5						
	96.0						
	96.5						
	97.0						
	97.5						
	98.0						
	98.5						
	99.0						
	99.5						Added 100 gallons of water to clear out hole
	100.0	SW- Brown m-F SAND, mica flakes, wet, med dense sand, 16"	2.0ppm			11	1544 split spoon 100-102 2' Recovery
	100.5	SW- Brown fine SAND, mica flakes, wet, med dense sand, 8"				19	
	101.0					28	
	101.5					30	
	102.0						
	102.5						Auger to 110.0 feet
	103.0						

Project: Stratford Army Engine Plant

Hole No. WC-21D2

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT: Stratford Army Engine Plant

INSPECTOR: Jacqueline Heitzman

SHEET 8 OF 8 SHEETS 13

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	103.0						
	103.5						
	104.0						
	104.5						
	105.0						
	105.5						
	106.0						
	106.5						
	107.0						
	107.5						
	108.0						
	108.5						
	109.0						
	109.5						
	110.0	SW-Brown/grey m-f SAND, trace of fine subangular gravel Wet, med dense sand, 22"	1.5ppm	–	–	7	1624 split spoon 110-112 2' Recovery
	110.5	SW-Brown m-f SAND, wet, med dense sand 2"				15	
	111.0					28	
	111.5						

Project: Stratford Army Engine Plant

Hole No. WC-21D2

HTW DRILLING LOG

PROJECT: Stratford Army Engine Plant
INSPECTOR: Jacqueline Heitzman
HOLE No. WE-21D2
SHEET 9 OF SHEETS 13

ELEV. a	DEPTH b	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	111.5					15	
	112.0						1-5-95 Auger to 120.0 feet
	112.5						
	113.0						
	113.5						
	114.0						
	114.5						
	115.0						
	115.5						
	116.0						
	116.5						
	117.0						
	117.5						
	118.0						
	118.5						
	119.0						Added 100 gal of water to hole.
	119.5						
	120.0						

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT Stratford Army Engine Plant | INSPECTOR Jacqueline Heitczman | SHEET 10 OF 10 SHEETS 13

ELEV. a	DEPTH	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	120.0	SW-brown/black/white m-f SAND, micaceous, wet, med dense sand, 14"		—	—	12	3921 Spritspoon 120-122 19" Recovery
	120.5	Sm-brown silty SAND 1 subangular coarse pebble, wet, 5"				32	
	121.0					28	
	121.5					30	
	122.0						
	122.5						Auger to 130.0 feet
	123.0						
	123.5						
	124.0						
	124.5						
	125.0						
	125.5						
	126.0						
	126.5						
	127.0						
	127.5						
	128.0						
	128.5						

HTW DRILLING LOG

PROJECT	INSPECTOR	HOLE No.	SHEET OF	SHEETS
Stratford Army Engine Plant	Jacqueline Heitzman	WC-21D2	11	13

ELEV. a	DEPTH 128.5	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	129.0						
	129.5						
	130.0	Sm - brown silty SAND, mica flakes, wet, med dense sand				10	1005 Split spoon 130-132 10' Recovery
	130.5			—	—	12	
	131.0					17	
	131.5					23	
	132.0						Refusal 140.0 feet
	132.5						
	133.0						
	133.5						
	134.0						
	134.5						
	135.0						
	135.5						
	136.0						
	136.5						
	137.0						

HTW DRILLING LOG

PROJECT: Stratford Army Engine Plant
INSPECTOR: Jacqueline Heitczman
HOLE No. WC-21D2
SHEET 12 OF 13 SHEETS

ELEV. a	DEPTH 137.0	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	137.5						
	138.0						
	138.5						
	139.0						Used 100 gal of water
	139.5						
	140.0	SW- Brown/tan, m-f SAND, mica flakes, wet, dense sand	3.2ppm	—	—	23	
	140.5					31	
	141.0					36	
	141.5					35	
	142.0						Auger to 150 feet
	142.5						
	143.0						
	143.5						
	144.0						
	144.5						
	145.0						
	145.5						

Project: Stratford Army Engine Plant
Hole No. WC-21D2

HTW DRILLING LOG

HOLE No. WC-21D2

PROJECT Stratford Army Engine Plant | INSPECTOR Jacqueline Heitczman | SHEET 13 OF 13 SHEETS

ELEV. a	DEPTH 145.5	DESCRIPTION OF MATERIALS c	FIELD SCREENING RESULTS d	GEOTECH SAMPLE OR CORE BOX No. e	ANALYTICAL SAMPLE No. f	BLOW COUNTS g	REMARKS h
	146.0						
	146.5						
	147.0						
	147.5						
	148.0	SW-Brown f-c SAND. trace of silt, wet very dense sand, 7" Black schist, 1" and in nose of split spoon	3.0ppm	WC-21D2 148-150	-	100/4"	Auger hit possible bedrock Attempt split spoon. 1151-split spoon 148-150 8" recovery
	148.5						
	149.0						
	149.5						
	150.0	Bottom of boring 150 feet.					
	150.5						
	151.0						
	151.5						
	152.0						
	152.5						
	153.0						
	153.5						
	154.0						

Project Stratford Army Engine Plant

Hole No. WC-21D2