B-5

SOIL VAPOR MONITORING POINT BORING LOGS AND CONSTRUCTION DIAGRAMS

SUMMARY OF SOIL VAPOR PROBES INSTALLED

STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT

PROBE ID	TYPE OF SURFACE	NOTES
SVM-04-01	concrete	
SVM-04-02	concrete	
SVM-04-03	concrete	
SVM-04-04	concrete	
SVM-04-05	concrete	
SVM-04-06	concrete	
SVM-04-07	concrete	
SVM-04-08	concrete	
SVM-04-09	concrete	
SVM-04-10	concrete	
SVM-04-11	concrete	
SVM-04-12	concrete	
SVM-04-13	concrete	
SVM-04-14	concrete	
SVM-04-15	concrete	
SVM-04-16	concrete	
SVM-04-17	-	no probe installed - boring location would be outside
SVM-04-18	concrete	
SVM-04-19	concrete	
SVM-04-20	concrete	
SVM-04-21	wood/concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-22	wood/concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-23	wood/concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-24	wood/concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-25	wood/concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-26	wood/concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-27	concrete	
SVM-04-28	concrete	
SVM-04-29	concrete	
SVM-04-30	wood/concrete	
SVM-04-31	concrete	
SVM-04-32	concrete	
SVM-04-33	wood/concrete	
SVM-04-34	concrete	
SVM-04-35	concrete	
SVM-04-36	wood/concrete	
SVM-04-37	concrete	
SVM-04-38	concrete	
SVM-04-39	wood/concrete	
SVM-04-40	concrete	
SVM-04-41	concrete	
SVM-04-42	concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-43	asphalt	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-44	concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-45	asphalt	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-46	asphalt	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-47	concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-48	concrete	

SUMMARY OF SOIL VAPOR PROBES INSTALLED

STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT

PROBE ID	TYPE OF SURFACE	NOTES
SVM-04-49	concrete	
SVM-04-50	asphalt	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-51	asphalt	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-52	concrete	2 borings drilled; 1 for sampling and 1 for probe installation
SVM-04-53	concrete	
SVM-04-54	concrete	
SVM-04-55	concrete	
SVM-04-56	concrete	
SVM-04-57	-	no probe or boring installed due to buried utilities
SVM-04-58	asphalt	
SVM-04-59	concrete	
SVM-04-60	concrete	
SVM-04-61	asphalt	
SVM-04-62	concrete	
SVM-04-63	concrete	
SVM-04-64	concrete	
SVM-04-65	concrete	
SVM-04-66	concrete	
SVM-04-67	concrete	no probe installed; intercepted sub-surface vault
SVM-04-68	concrete	
SVM-04-69	concrete	
SVM-04-70	concrete	
SVM-04-71	concrete	
Total number of probes installed		68

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-01

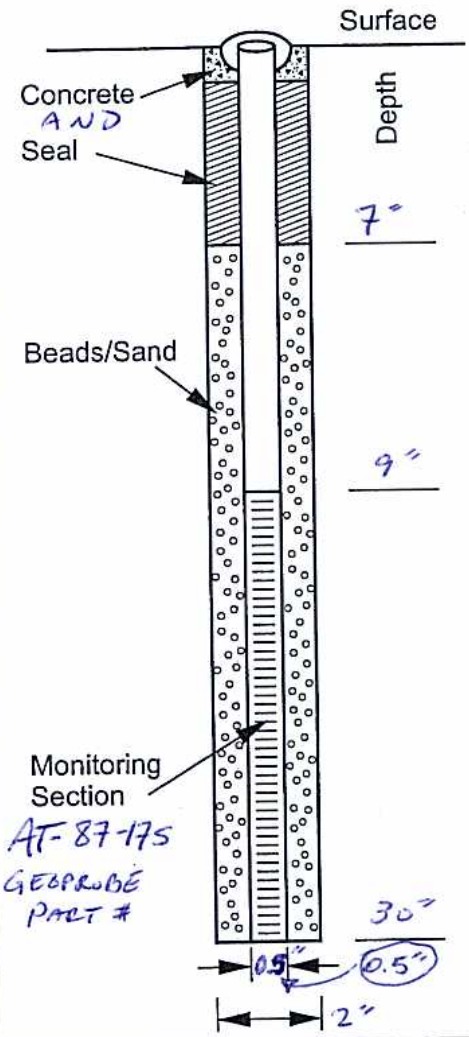
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5, 10, 15, 20, 25, 30		BACKGROUND	TAN FINE & MED SAND, TR. GRAVEL - FILL LOOSE, DRY, NO PID	FILL
35			DRONE TIP TO 31" BOTTOM of SCREEN = 30"	

Vapor Monitoring Point Construction Details



Comments/Observations:

Concrete is 6½" to 7"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/1/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-02

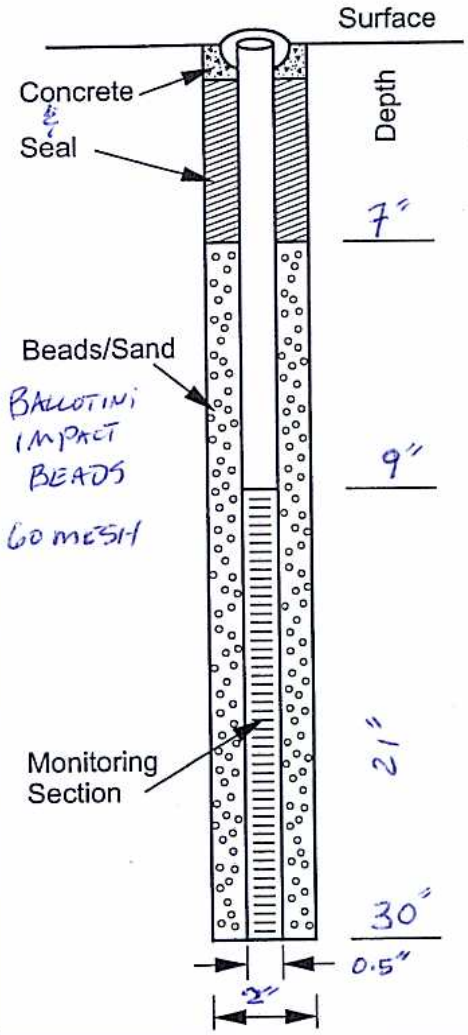
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth (in.)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5, 10, 15, 20, 25, 30	S-1 (0"-31")	BACKGROUND	DROVE TO 31", RECOVERED 24" 0"-22 APPEARS TO BE ALL FILL 0 - ~~0.65'~~ 8" CONCRETE 8"-29" FILL, REWORKED SOIL TOP 4" IS FINE, CLEAN SAND, THEN RUBBLE & SAND 29"-33" - ORIGINALLY THOUGHT TO BE NATIVE, IS REWORKED TAN, SAND CONCRETE PIECES TO 24", THEN SAND BELOW	FILL / RE-WORKED SAND
35			SCREEN = 21" LONG	

Vapor Monitoring Point Construction Details



Comments/Observations:

8" Concrete - 0.65'
SACRIFICIAL POINT = 31" SCREEN @ 30"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/1/04 [illegible] PASSED (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-03

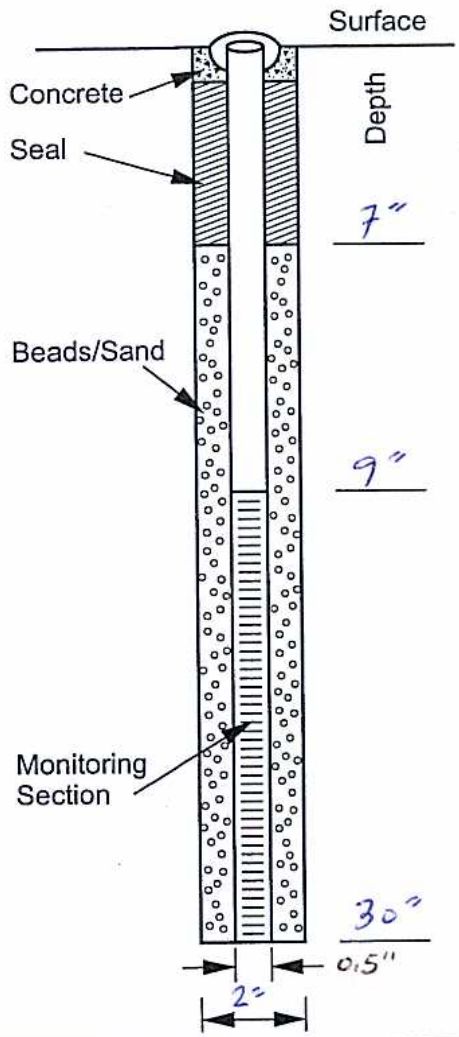
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			VARIABLY COLORED FILL - NO PID - FIRM, DRY Non plastic	FILL
10				
15				
20				
25	S-1	Background		
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 4" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-04

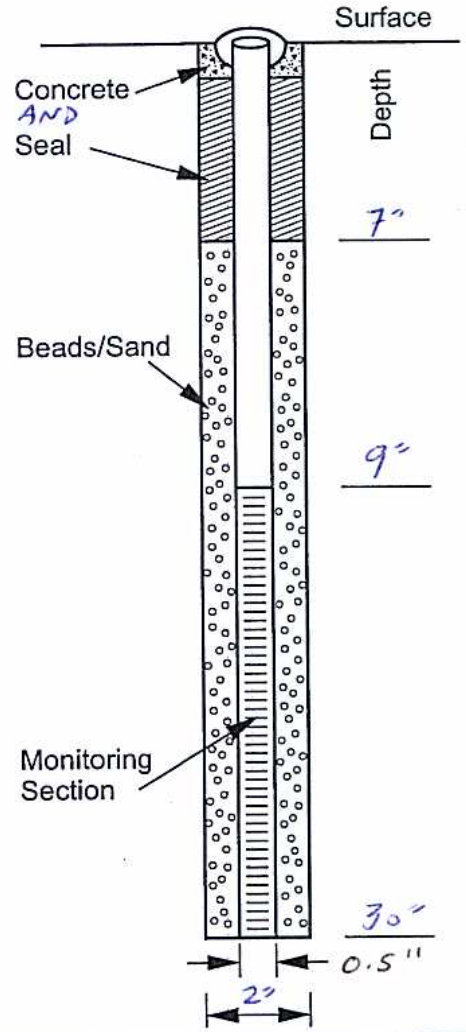
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			VARIABLY COLORED FILL, GRAVELLY, DRY	
10				
15			OBSTRUCTION @ 24" - were able to punch through	
20	S-1	Backgrnd		FILL
25				
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations:

Concrete = 6.5" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-05

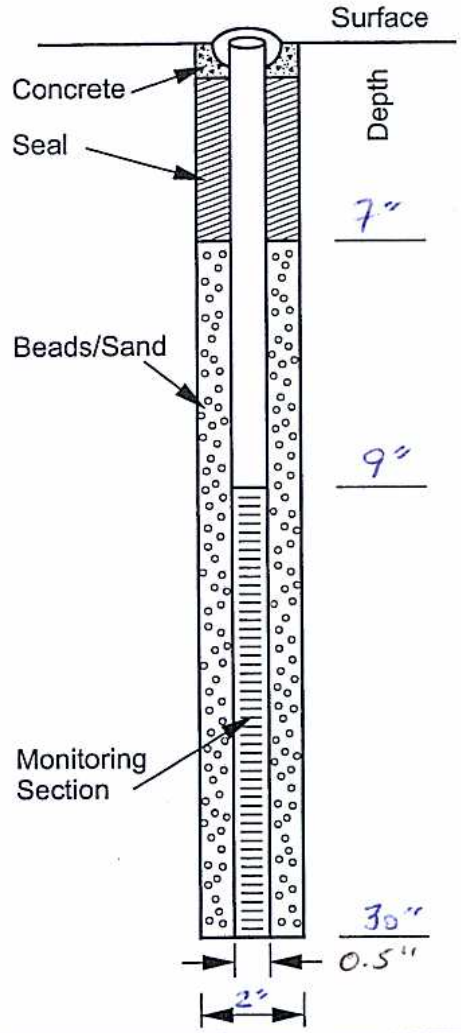
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			Loose, Dry Fill - Top has Black organics(?) Then Becomes a Fine Sand Tr. Gravel - No PID	
10				
15				
20	S-1	Bkg.		
25				
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations:

Concrete = 7½" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 Passed (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-06

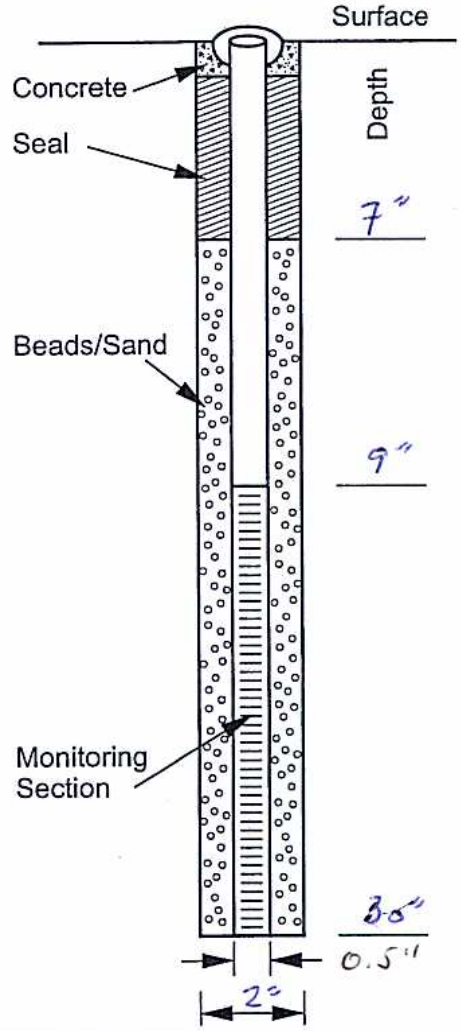
Date Started: ~~[illegible]~~ 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			Dry gravelly SAND TO 20" Then Damp fine SAND - ALL FILL	
10				
15		Bkg.		
20	S-1		From 20" TO 30", PID AS high AS 9 ppm	
25		9 ppm		
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 9" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-07

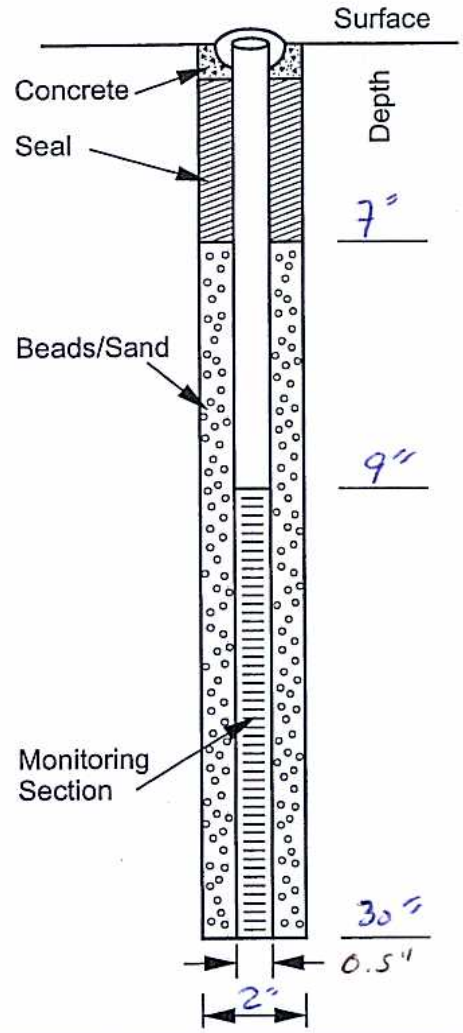
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			VARIABLY colored, gravelly SAND, dense, ground asphalt layer @ 25" bgs	
10				
15				
20	5'1	Bkg.		
25				
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete 10½" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-08

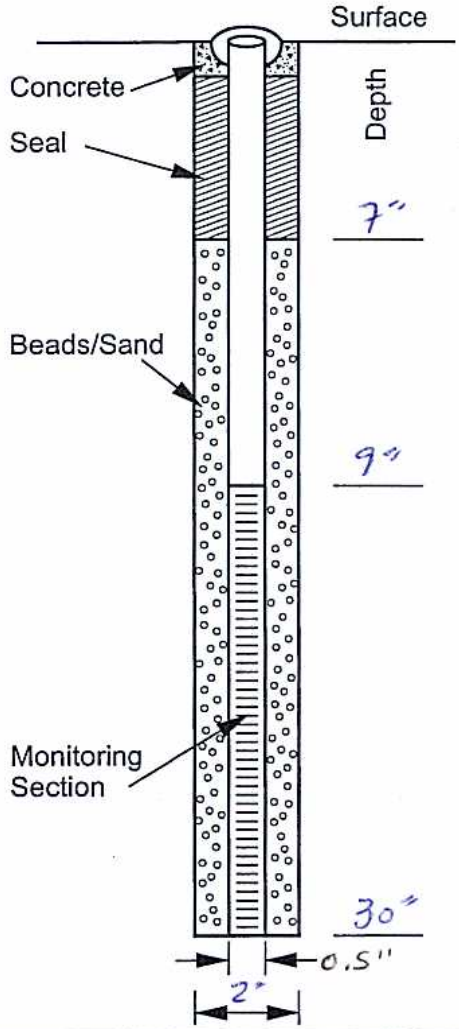
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5				
10				
15				
20		Bkg.		
25		1.3	1.3 ppm @ 26"	
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 7½" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-09

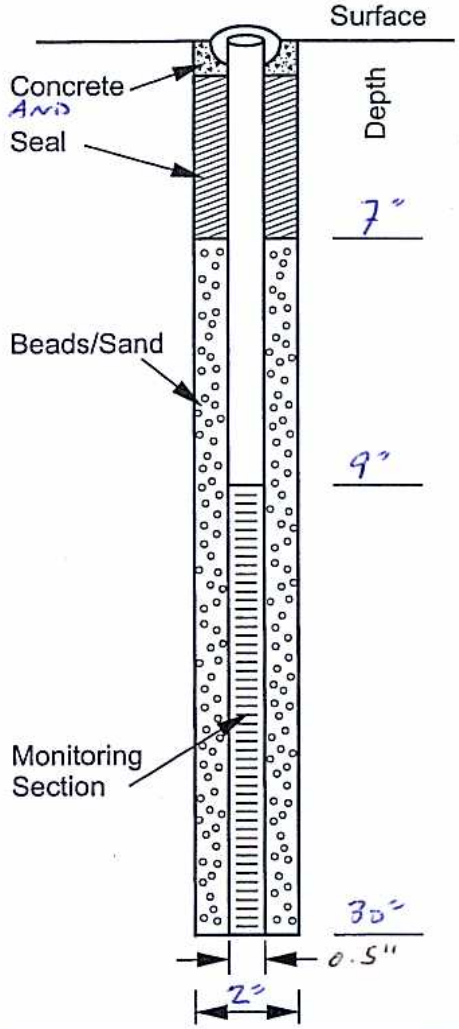
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5, 10, 15, 20, 25, 30, 35	S-1	Bkg.	Very clean TAN SAND TO 9", Then DARK BROWN, GRAVELLY SANDS, DRY TO DAMP., Dense, Non-plastic - ALL FILL	FILL

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 7" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-10

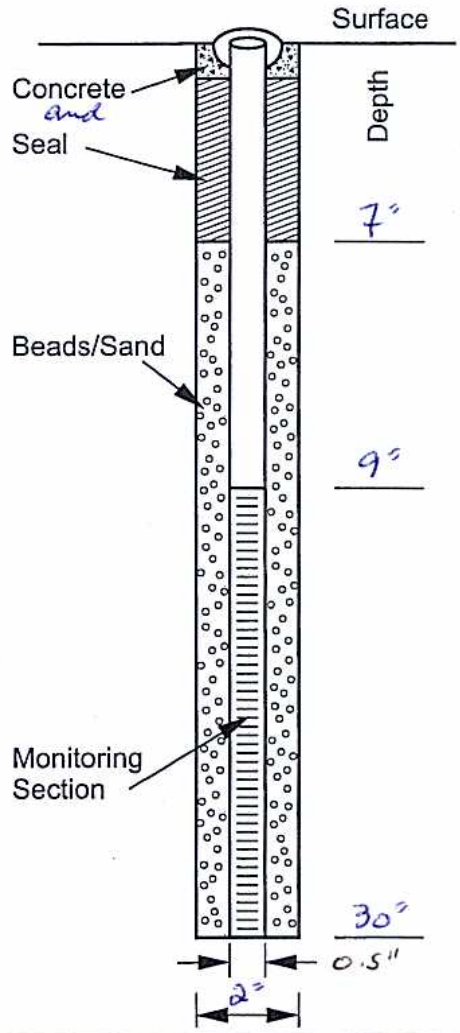
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			DRY, LOOSE TAN SAND TO 6"; Then DAMP YELLOW BROWN SAND -	
10			BLACK CRUSHED TAR LAYER (½") @ 25"	
15				
20				
25				
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations: CONCRETE = 6½"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-11

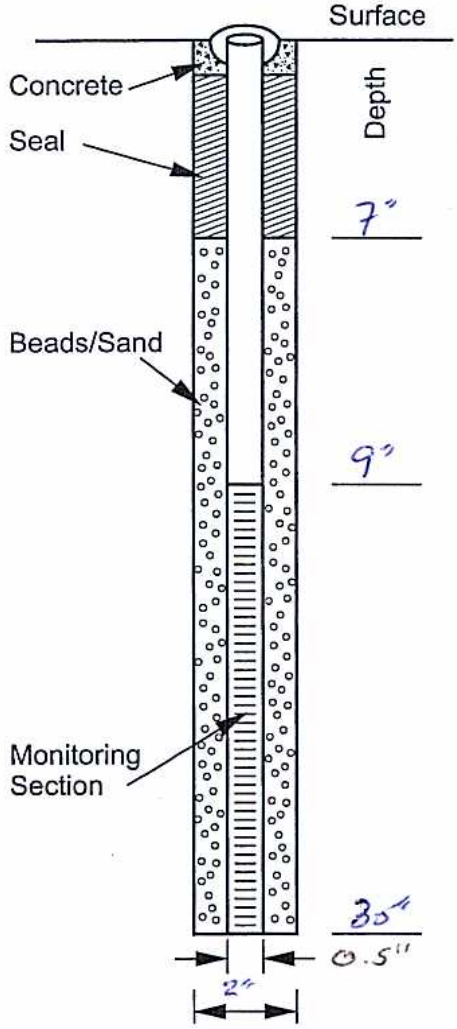
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5, 10, 15, 20, 25, 30	S-1	BACKGROUND	LOOSE DRY SAND TO 17" THEN DAMP - BOTTOM WAS INTO BLACK TO DK. BRN. GRAVELLY SAND, TR. ROCK FRAGMENTS	
35				

Vapor Monitoring Point Construction Details



Comments/Observations: CONCRETE = 6"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-12

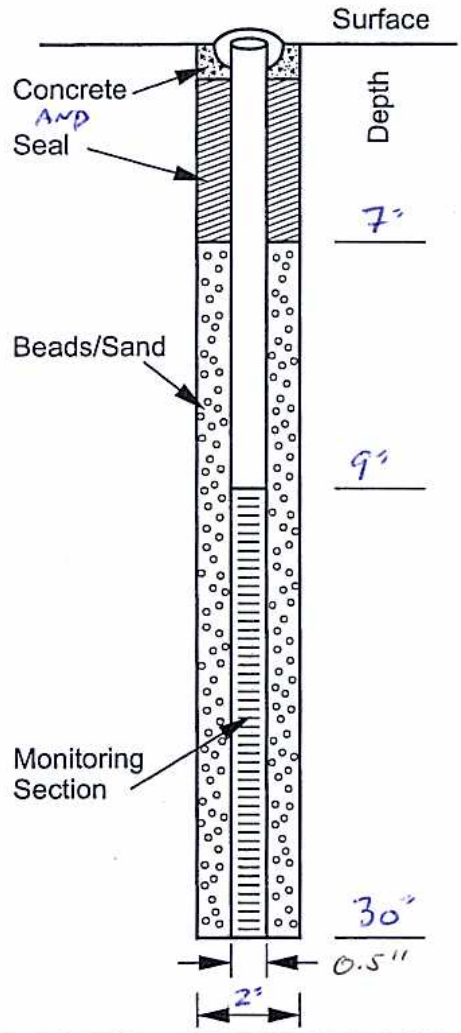
Date Started: 3-22-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			DRY YELLOW BROWN SAND, TR. GRAVEL, MED. DENSE; GRAVELLY ASPHALT LAYER AT JUST BELOW CONCRETE	
10				
15				
20				
25				
30				
35				

Vapor Monitoring Point Construction Details



Comments/Observations:

Concrete = 8" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/1/04 PASSED [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-13

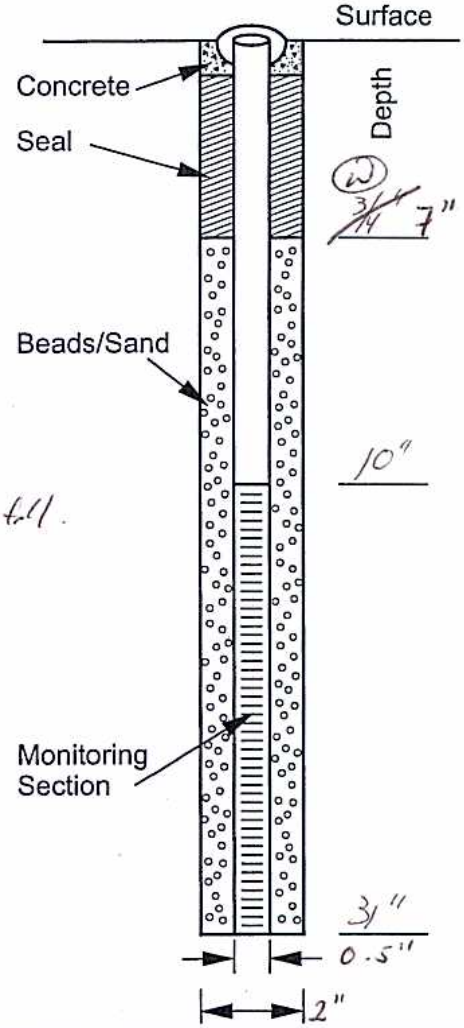
Date Started: 3/23/04 1635

Date Completed: 4-01-04

Logged By: WDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Lt. Brown, sand, uniform, soft, dry, non-plastic fill	
15"			Dk Brown, gravel, asphalt/sand, poorly graded, dry, soft, non-plastic, fill.	
20"			Dk. Brown silty sand, uniform, dry, soft, non-plastic fill	
25"			Dk. Brown, gravel with sand, poorly graded, soft, dry non-plastic, fill.	
30"			NO Recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-14

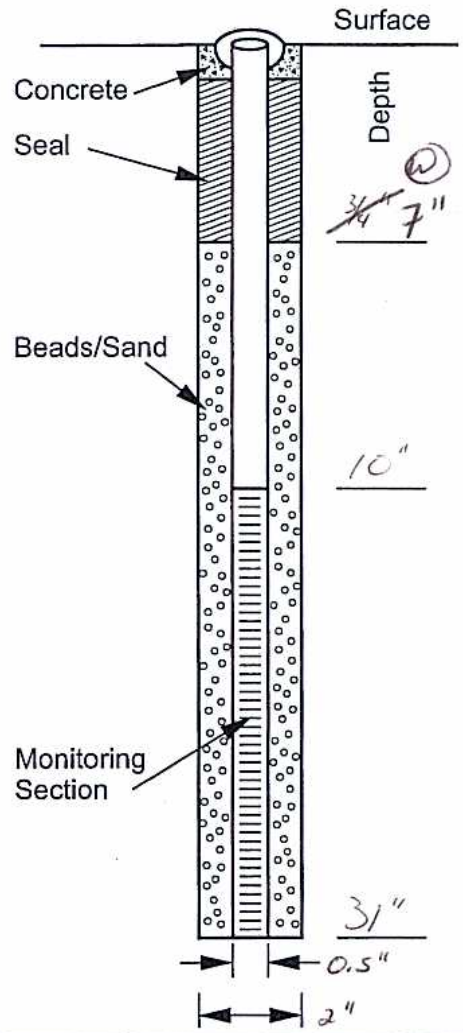
Date Started: 3/23/04 1625

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, silty sand, uniform, soft, damp, ~~fill~~ non-plastic, fill	
15"			brown, gravel with sand, ~~well~~ poorly graded, soft, damp, non-plastic, fill	
20"			Brown, silty sand, uniform, damp, med. stiff, slightly plastic fill	
			Brown, silty sand, uniform, damp, soft non-plastic, fill	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/1/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-15

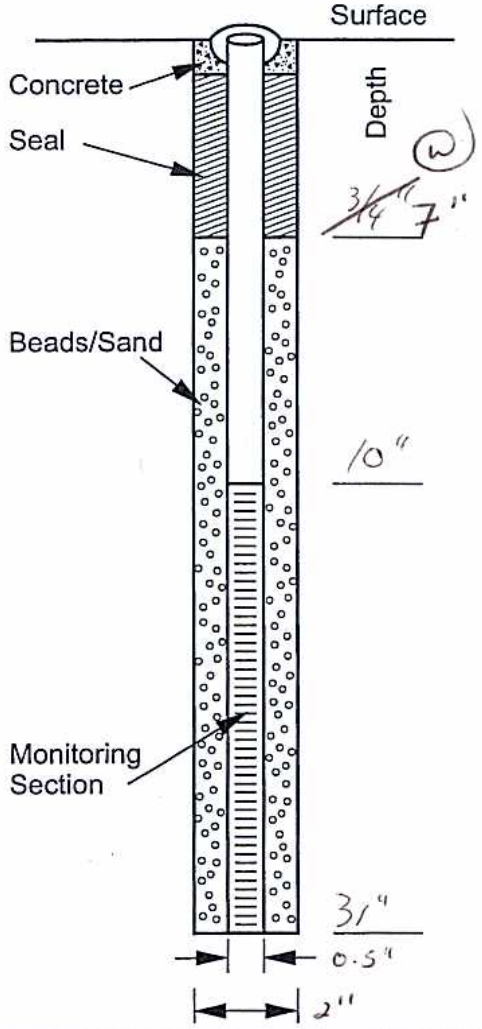
Date Started: 3/23/04 1620

Date Completed: 4-05-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Dk Brown, silty sand, uniform, soft, damp, slightly plastic, fill	
15"			Black, asphalt with sand, poorly graded, soft, damp, non-plastic, fill.	
20"			Dk brown, gravel with sand, poorly graded, soft, damp, non plastic, fill.	
25"			No Recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/7/04 PASSED (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-16

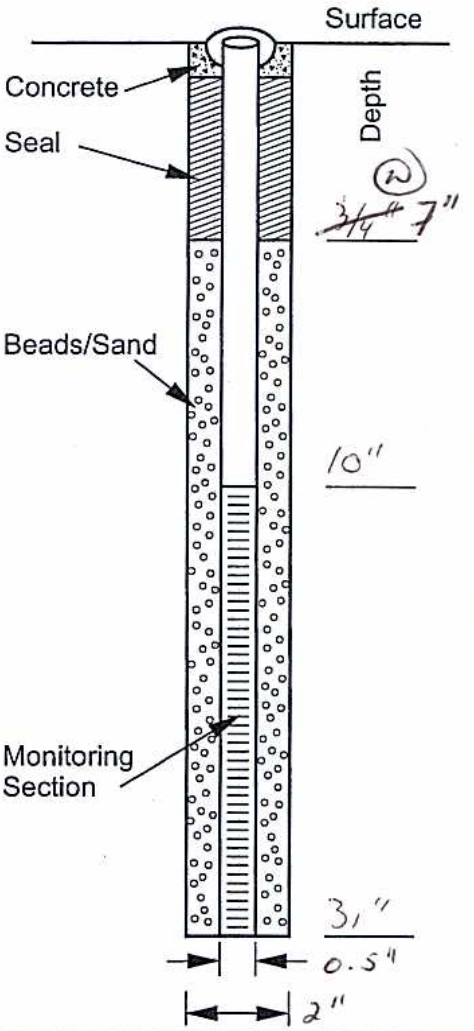
Date Started: 3/27/04 1615

Date Completed: 4-05-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			DK Brown, gravel with sand, ~~well graded~~ poorly graded, soft, damp, non-plastic, fill.	
15"				
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/7/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-17

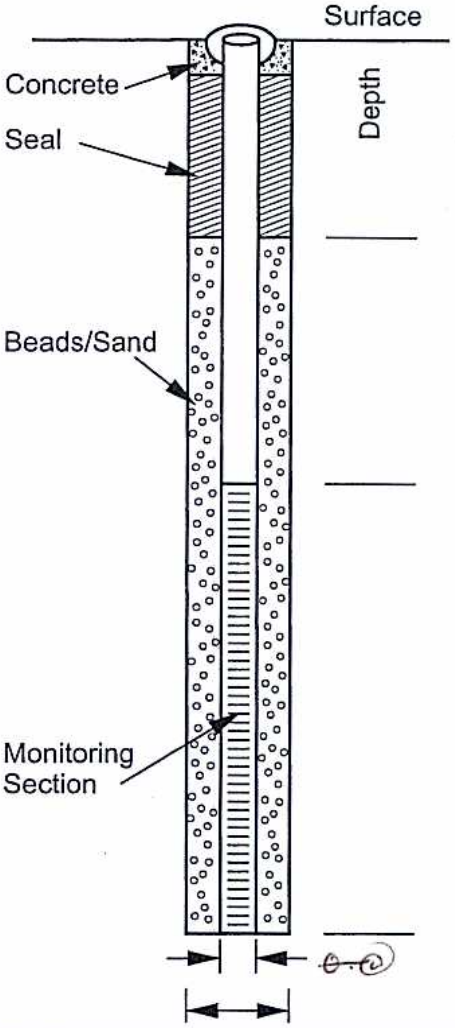
Date Started:

Date Completed:

Logged By:

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
			NO INSTALLATION - no location	

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☑ No 4/7/04 [illegible] Date - Results

MACTEC

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-18

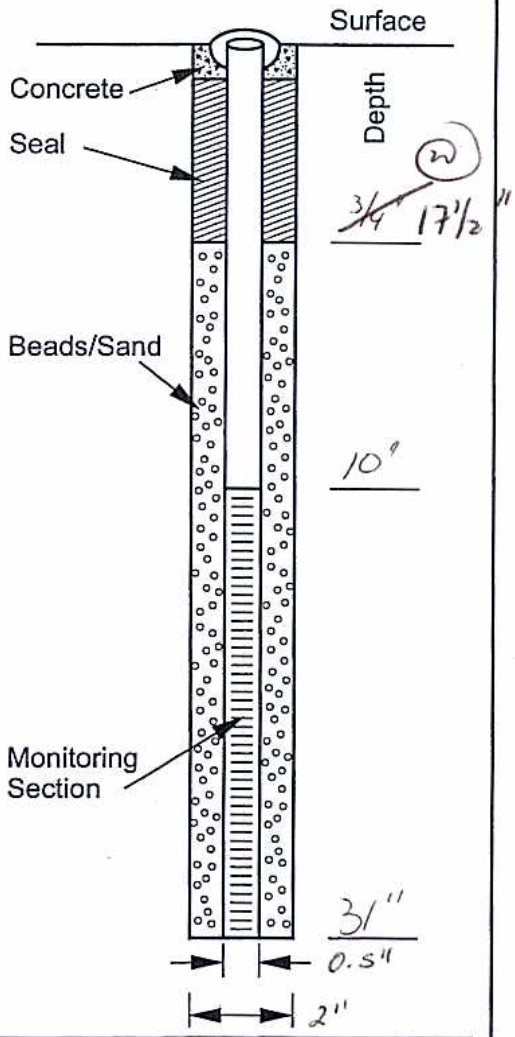
Date Started: 3/23/04 1606

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<100	Concrete	
10"				
15"				
20"			DK Brown, gravel with ~~fines~~ sand (w), well graded, soft, damp, non-plastic, layering, fill.	
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-19

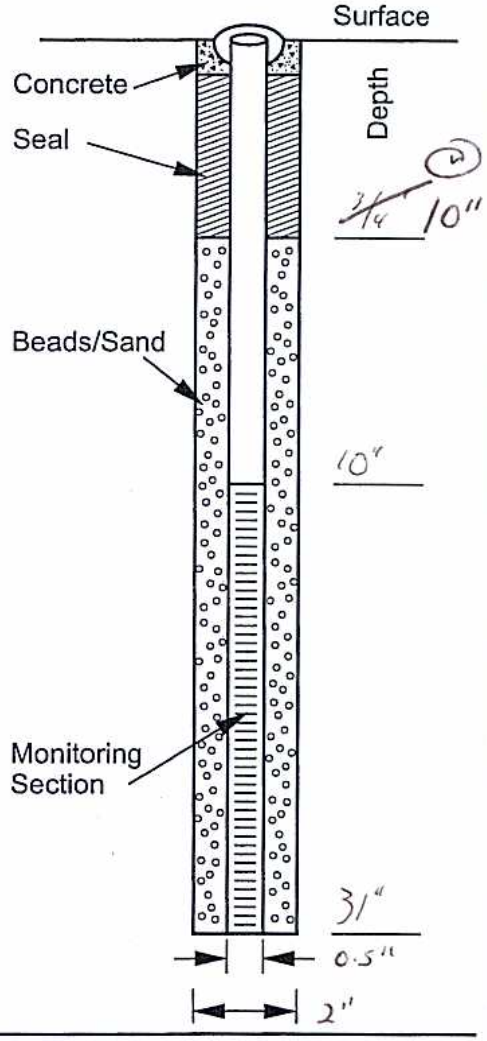
Date Started: 3/23/04 1600

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			DK Gray, Gravel with fines, uniform, soft, dry, non-plastic, fill	
15"			Lt gray, gravel with fines, uniform, soft, dry, non-plastic fill	
20"			brown, silty sand, uniform, soft, damp, non-plastic fill	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature]
   Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-20

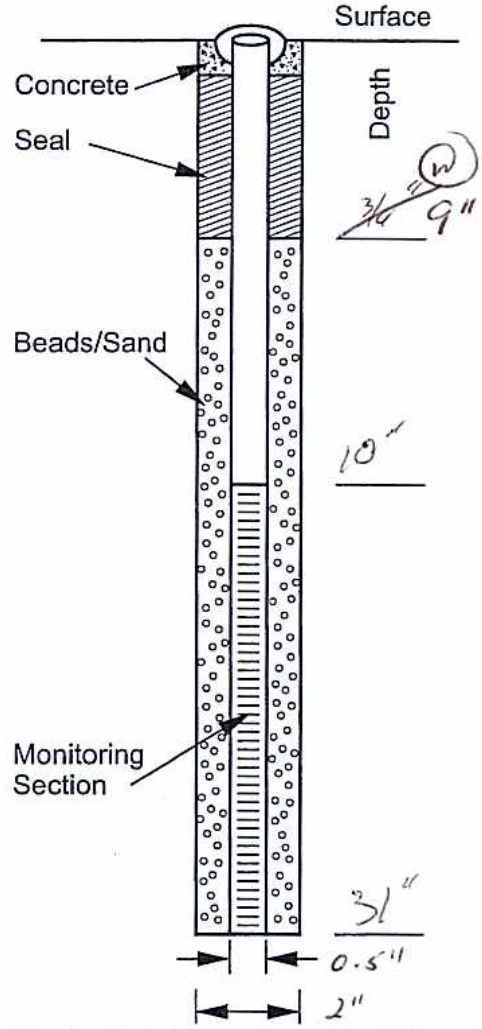
Date Started: 3/23/04 1545

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Light brown, silty sand, uniform, soft, dry, non-plastic, fill	
15"				
20"				
25"			Light brown, gravel with fines, well graded, soft, dry, non-plastic, fill	
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [illegible] Date - Results

W2004013a.cdr

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-21

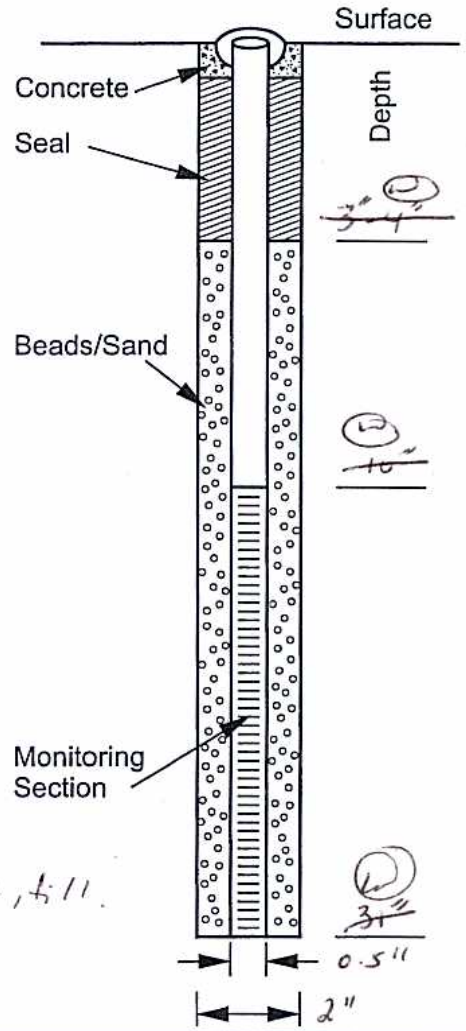
Date Started: 3/25/04 1150-1232

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"				
10"		5.6	DK Gray, gravelly sand, uniform, soft, damp, non-plastic, fill	
			Black, gravel, uniform, loose, dry, non-plastic, fill.	
15"		14	DK Brown, clayey silt, uniform, stiff, damp, non-plastic, fill.	
20"		7.0		
25"		2.7		
30"		7.0	Brown, clayey silt, uniform, medium stiff, damp, ~~non-plastic~~ slightly plastic, fill.	
35"		<1.0	Brown, silty sand, uniform, soft, damp, non plastic, fill	
40"	<01	3.1	Brown, silty sand, uniform, soft, damp, non-plastic, fill.	
45"		15	Black, silty gravel, poorly graded, loose, damp, non-plastic, fill.	
50"	/02	4.0	Brown, silty sand, uniform, soft, damp, non-plastic, fill	

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed ~ 50" bgs.
SVM-04-21-01 collected at 38" bgs
SVM-04-21-02 collected at 50" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

MACTEC

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-21 cont'd.

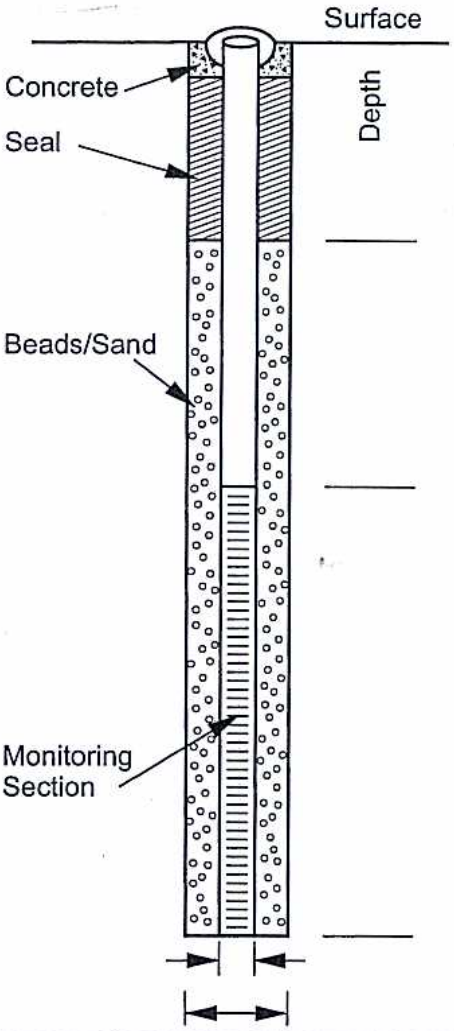
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: LMX

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		1.3	Brown, silty sand, uniform, damp, soft, non-plastic, fill.	
		<1.0		
60"				
65"	<03			
70"				
75"	<04	10	See above	
		10	~~Black, silty gravel, poorly graded, wet, non-plastic, fill~~	
80"		1.5	Brown, silty sand, uniform, damp, soft, non-plastic, fill	
85"		<1.0		
90"				
95"			Dk Brown, silty sand, uniform, wet, soft, non-plastic fill	
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:
SVM-04-21-03 collected @ 62" bgs
SVM-04-21-04 collected @ 74" bgs.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No — see 3 of 3 (Date - Results)

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-21 cont'd.

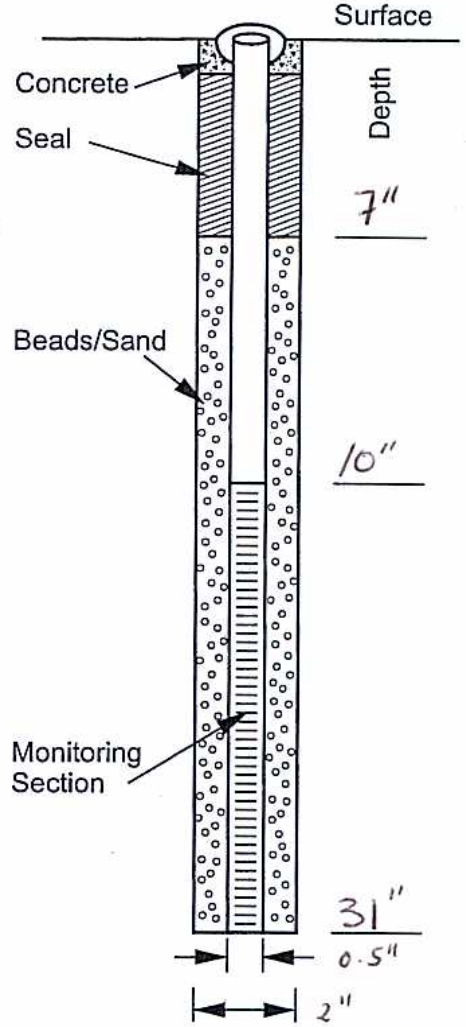
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		10	Black, asphalt gravel, uniform, ~~soft~~ loose, dry, non-plastic fill.	
15"		21	Black, gravelly sand, ~~well~~ poorly graded, loose, damp, non-plastic, fill	
20"		11	Brown sandy gravel, poorly graded, loose, damp, non-plastic, fill.	
25"		12	Brown, silty clay, uniform, soft, damp, non-plastic, fill.	
30"		11		
			No recovery.	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/7/04 PASSED [illegible]
   Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-22

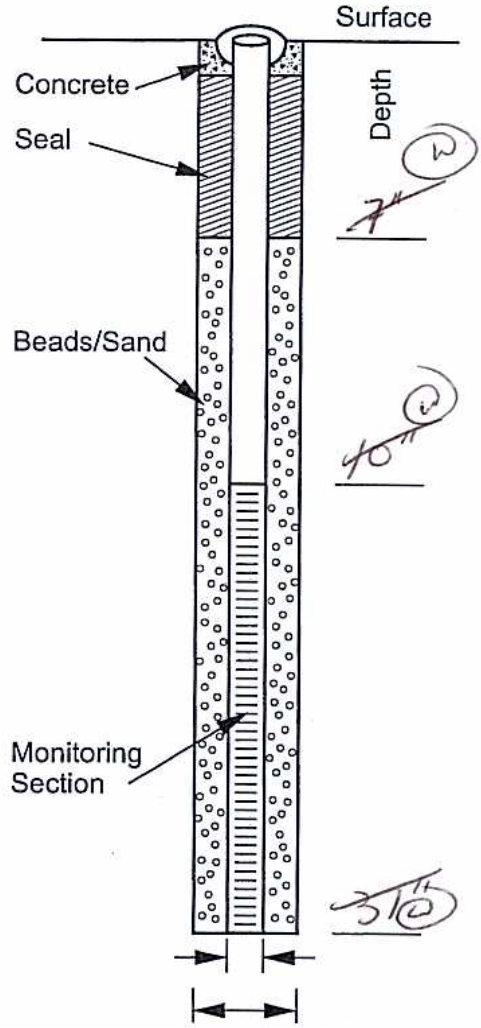
Date Started: 3/25/04 1045 - 1145

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		2.4 2.2	Brown, silty sand, uniform, soft, damp, non-plastic, fill	
15"		1.3	Gray, silty gravel, loose, dry, non-plastic, fill	
20"		5.5 1.8	Gray, clayey silt, medium stiff, dry, slightly plastic, fill	
25" 30"		2.0	Lt. Brown, clayey silt, medium stiff, dry, slightly plastic, fill.	
35"		≤1.0 1.6	Lt. Brown, clay, ~~m~~ soft, dry, plastic, fill	
40"		1.5	Brown, gravelly sand, soft, dry, non-plastic, fill	
45" 50"		<1.0	Gray, sand with fines, ~~wet~~, soft, wet, non-plastic fill (2)	

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-22 cont'd

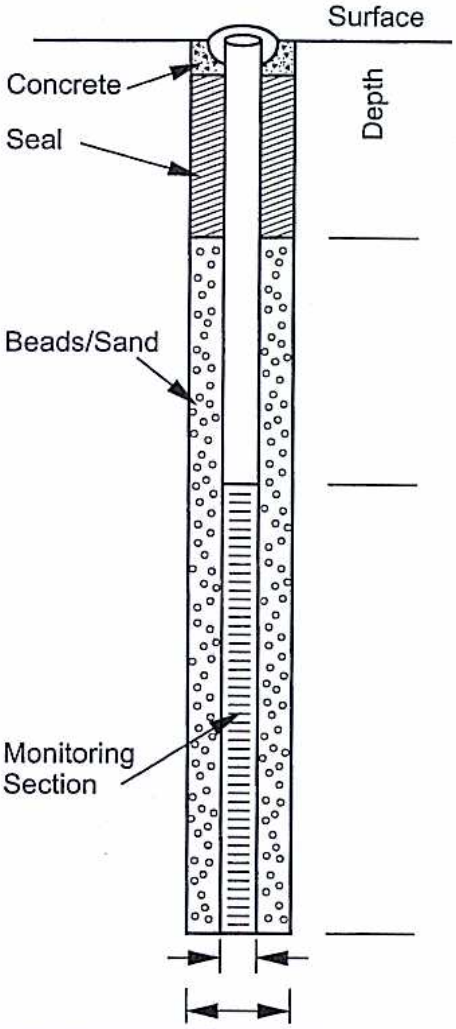
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: UR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		<1.0	See description on pg 1 of 3.	
60"	<01			
65"				
70"	<02			
75"		<1.0	See previous description.	
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed ~ 66" bgs.

SVM-04-22-01 collected @ ~54" bgs
SVM-04-22-02 collected @ ~66" bgs
SVM-04-22-03 collected 75" bgs
SVM-04-22-04 collected 90" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No — See 3 of 3 (Date - Results)

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-22 cont'd

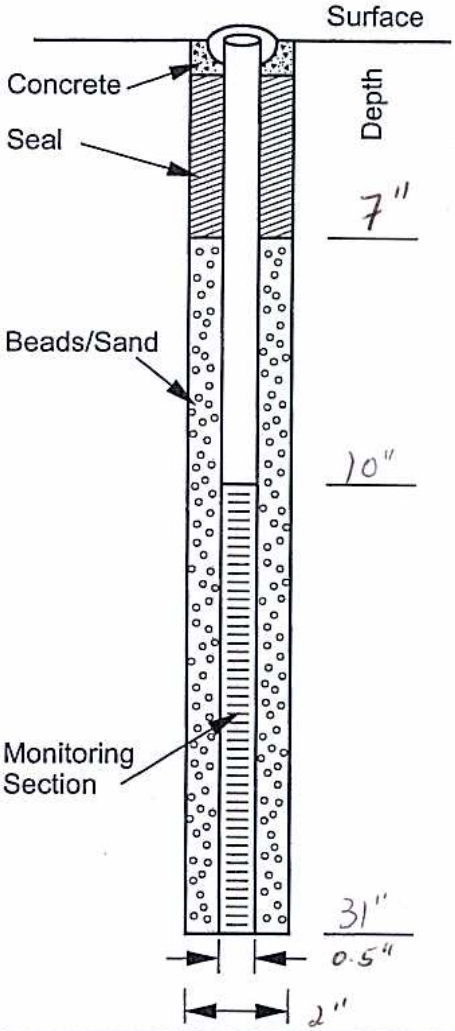
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		2.2 4.8	Brown, coarse sand, uniform, soft, damp, non-plastic, fill	
15"		2.8	Dk Brown, gravelly sand, well graded, soft, damp, non-plastic, fill.	
			Gray, gravel, uniform, loose, dry, non-plastic fill	
20"		1.6	brown, clayey silt, uniform, soft, damp, slightly plastic, fill.	
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-23

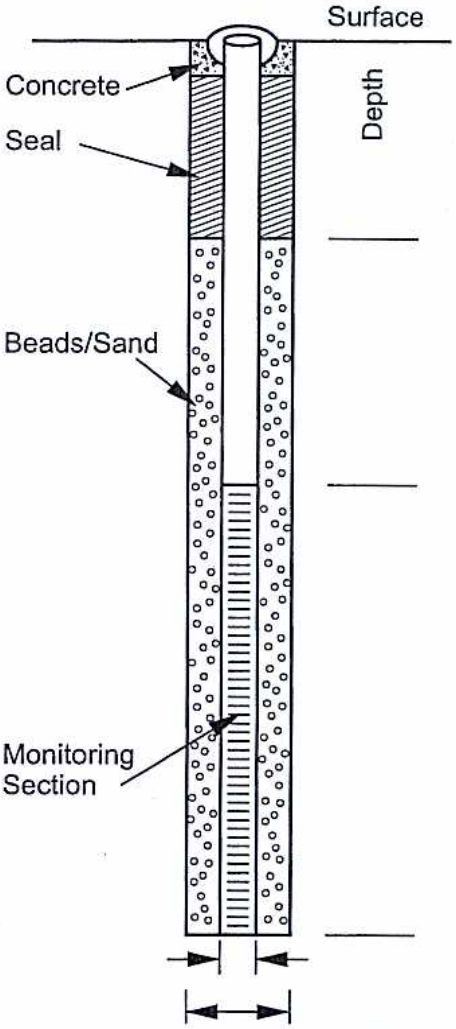
Date Started: 3/25/04 1420 – 1455

Date Completed: 4-01-04

Logged By: WPL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		6.5	Brown, clayey silt, uniform, soft, damp, non plastic, fill	
15"		5.0		
20"			Gray, clayey silt, uniform, medium stiff, damp, non plastic, fill	
25"			Brown, clayey silt, uniform, medium stiff, damp, non plastic, fill	
30"				
35"		2.2	Brown, sand, uniform, soft, damp, nonplastic, fill	
40"		21.0	Lt Brown, sand, uniform, soft, damp, non-plastic, fill.	
45"				
50"		2.5		

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-23 cont'd

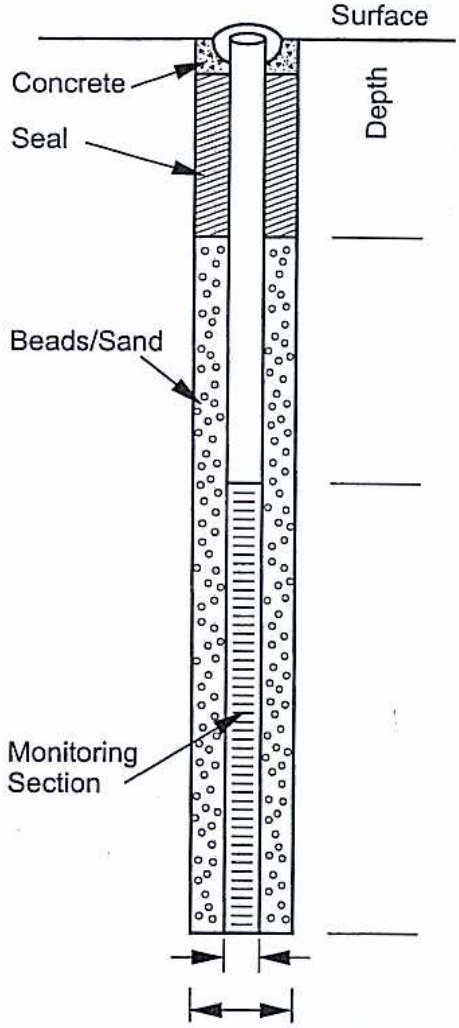
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		1.7	Lt Brown, sand, uniform, soft, moist, non-plastic, fill.	
60"	<01	<1.0		
65"				
70"				
75"	<02		Lt. Brown, sand, uniform, soft, wet, non-plastic, fill.	
80"				
85"	<03			
90"		<1.0	Lt. Brown, sand, uniform, soft, wet, non-plastic, fill	
95"				
100"	<04			

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at ~ 73" bgs
SVM-04-23-01 collected at 61" bgs
SVM-04-23-02 collected at 73" bgs
SVM-04-23-03 collected at 85" bgs
SVM-04-23-04 collected at 97" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-23 cont'd

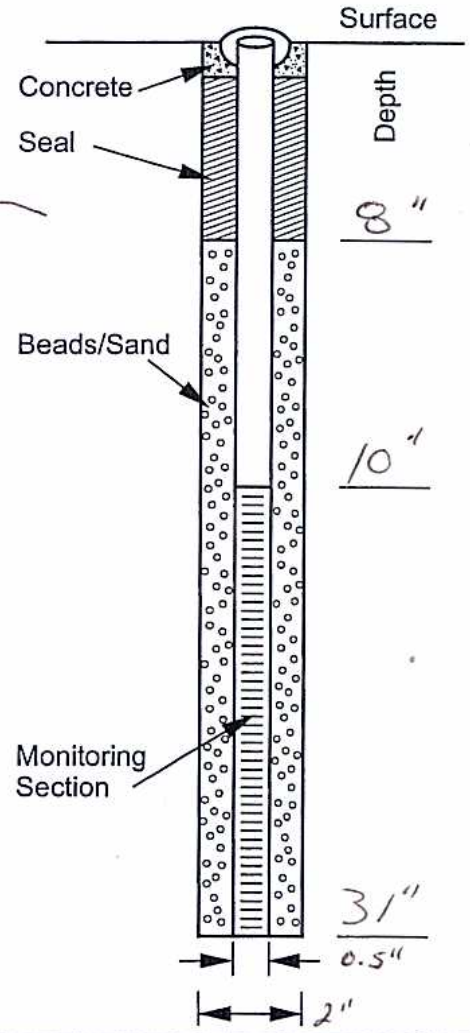
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		3.7	Gray, clayey silt, uniform, med. stiff, damp, slightly plastic, fill	
15"		<1.0		
20"			Brown, clayey silt, uniform, med. stiff, damp, non plastic, fill	
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED WDC
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-24

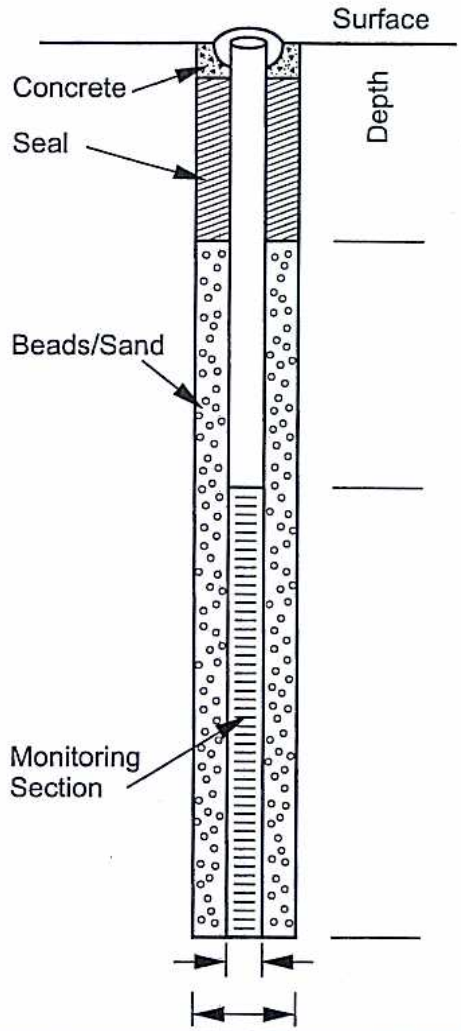
Date Started: 3/25/04 1500-1525

Date Completed: 4-01-04

Logged By: WPR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		1.1 1.3	gray, silty sand, uniform, soft, damp, non-plastic, fill	
15" 20" 25" 30"	01	<1.0	~~tan~~ silty sand, uniform, soft, damp, brown, non-plastic, fill	
35" 40" 45" 50"	02		brown, ~~SP~~ coarse sand, soft, wet, non-plastic, fill.	

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at 39" bgs.
SVM-04-24-01 collected at 27"
SVM-04-24-02 collected at 39" bgs
SVM-04-24-03 collected at 51" bgs
~~SVM-04-24-04~~

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-24 cont'd

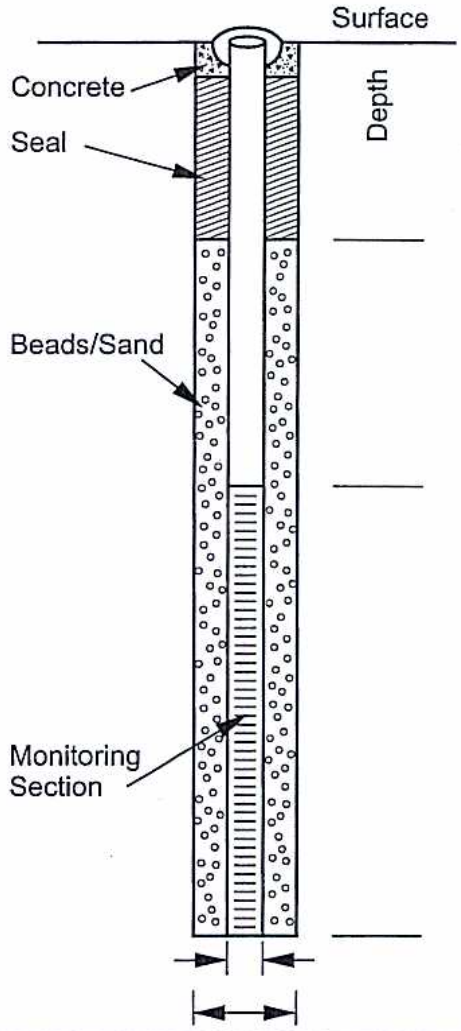
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"	<03	<1.0	see pg 1 of 3	
60"		<1.0	see above	
65"	<04			
70"				
75"				
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

SVM-04-24-04 collected at 63" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-24 cont'd.

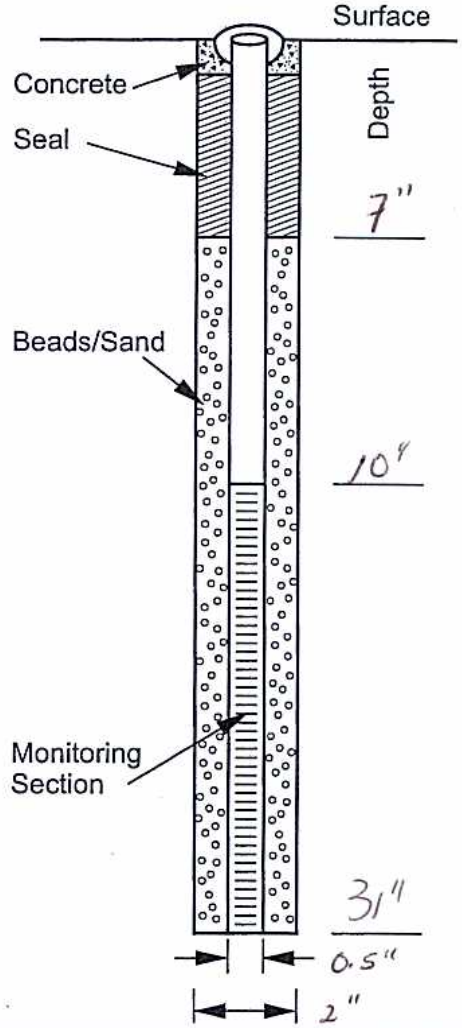
Date Started: 3/25/04

Date Completed: 4-01-04

Logged By: WM

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		2.0	brown, silty sand, uniform, soft, damp, slightly plastic, fill.	
15"		21.0	brown, silty sand, uniform, soft, damp, non-plastic, fill	
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-25

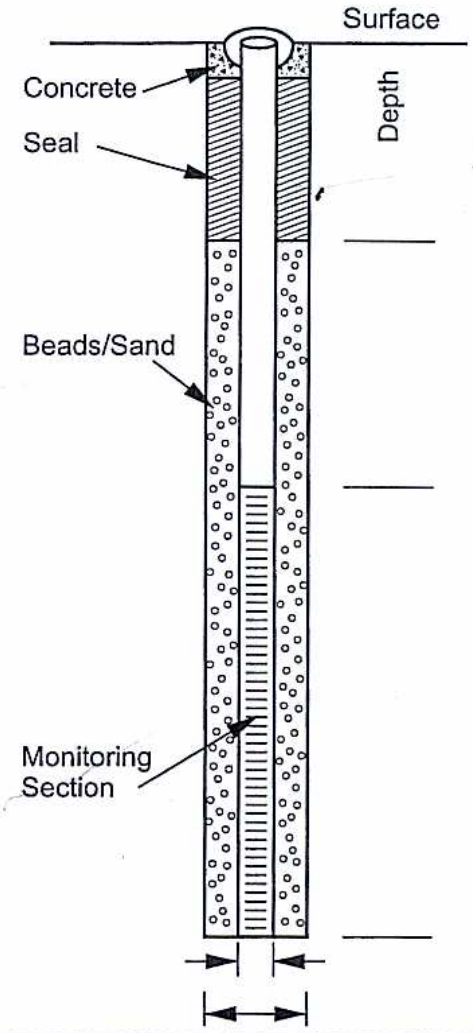
Date Started: 3/26/04 0800 - 0840

Date Completed: 4-01-04

Logged By: WJC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		2.0	Black, sandy gravel, poorly graded, loose, damp, non-plastic, fill.	
15"		2.5	Brown, silty clay, uniform, medium stiff, damp, slightly plastic, fill.	
20"		3.3		
25"		1.5		
30"		2.2		
35"		<1.0	Brown, silty sand, uniform, soft, damp, non-plastic, fill	
40"		<1.0	See previous description.	
			Black, gravelly sand, uniform, loose, dry, non-plastic, fill	
45"	<01		Brown, silty sand, uniform, damp, non-plastic, fill	
50"				

Vapor Monitoring Point Construction Details



Comments/Observations:

SVM-04-25-01 collected at 44" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-25 cont'd

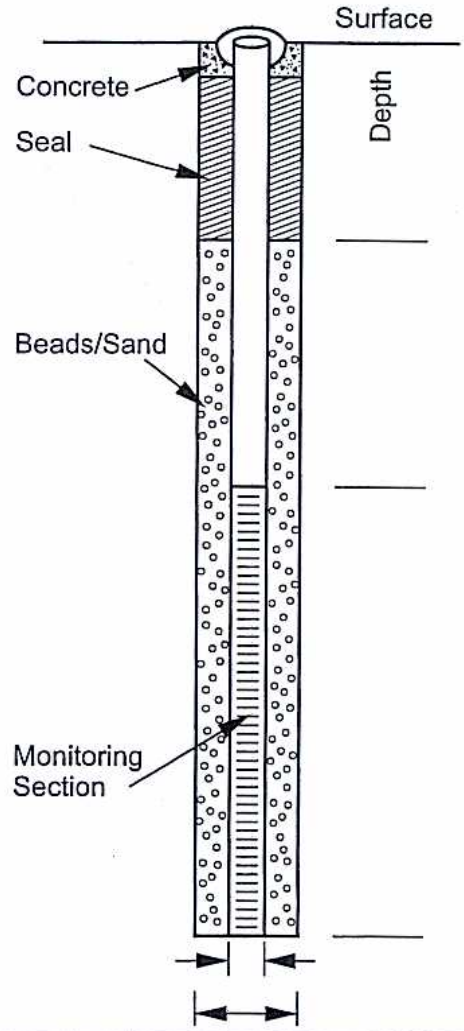
Date Started: 3/26/04

Date Completed: 4-01-04

Logged By: WR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		<10	see previous.	
	<02		Brown, coarse sand, uniform, moist, non-plastic, fill. soft,	
60"				
65"				
70"	<03			
75"			Brown, coarse sand, uniform, soft, wet, non-plastic, fill	
80"	<04			
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed ~ 56" bgs.

SVM-04-25-02 collected at 56"
SVM-04-25-03 collected at 68"
SVM-04-25-04 collected at 80"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results: see 3 of 3

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-25 cont'd

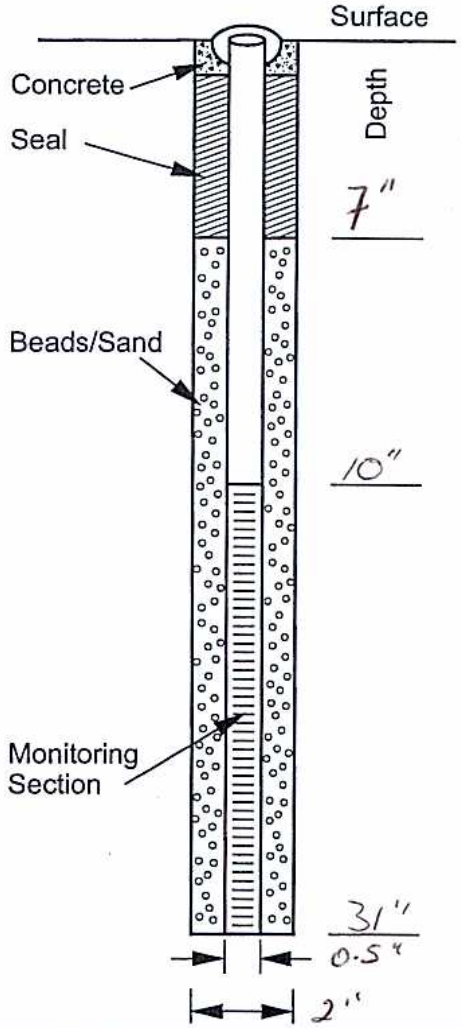
Date Started: 3/26/04

Date Completed: 4-01-04

Logged By: WDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		13	Dk gray s/gravel, uniform, loose, dry, non-plastic, fill.	
15"		2.5	Dk Brown, clayey silt, uniform, soft, damp, non-plastic, fill	
20"		<1.0		
25"				
30"				
			No recovery	
35"				
40"				
45"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 [signature] Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-26

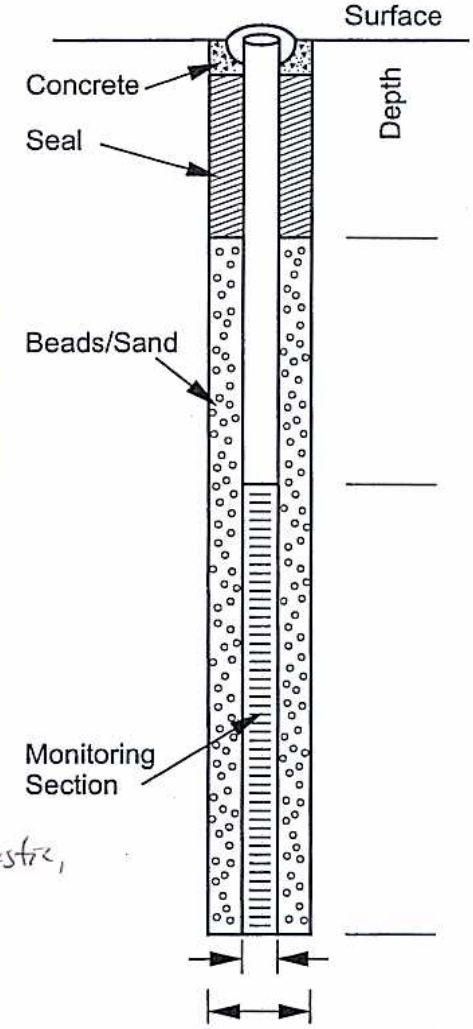
Date Started: 3/26/04 0720-0755

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		4/10	Concrete	
10"			Brown, sandy gravel, poorly graded, loose, dry, non-plastic, fill.	
15"				
20"			Brown, silty sand, uniform, soft, damp, slightly plastic, fill.	
25"				
30"				
35"				
			Brown, silty sand, uniform, very soft, non-plastic dry, fill.	
40"	<01	<10	See description above.	
			Black, gravelly sand ~~[illegible]~~, uniform, loose, non-plastic, dry fill	
45"			Brown, coarse sand, uniform, ~~[illegible]~~ moist, non-plastic, fill.	
50"	<02			

Vapor Monitoring Point Construction Details



Comments/Observations: water table observed ~ 50" bgs

SVM-04-26-01 collected at 38" bgs.

SVM-04-26-02 collected at 50" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results: see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-26 cont'd.

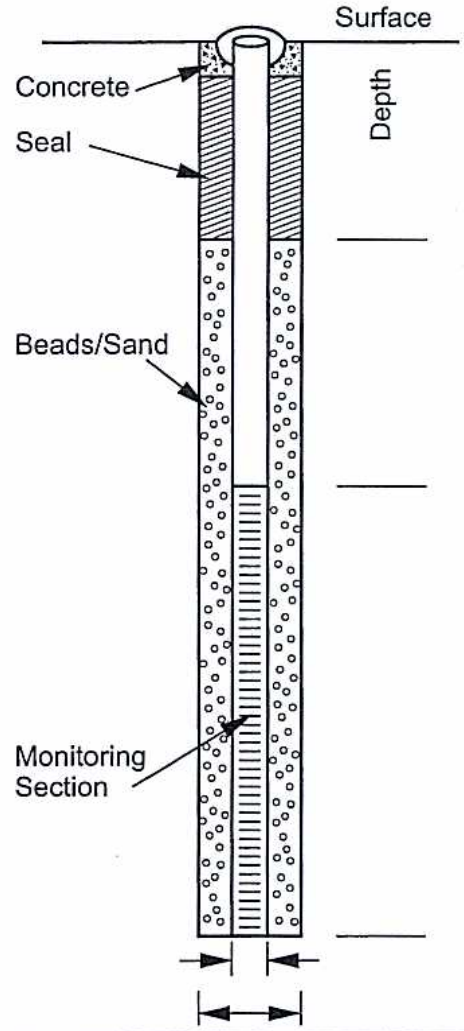
Date Started: 3/26/04

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55'		<10	See description prior pge (1 of 3)	
60'				
65'	203		Brown, coarse sand, ~~soft~~ (1) uniform, soft, wet, non-plastic, fill	
70'				
75'	204	<10	Brown, coarse sand, uniform, soft, saturated, non-plastic, fill	
80'				
85'				
90'				
95'				
100'				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-26 cont'd

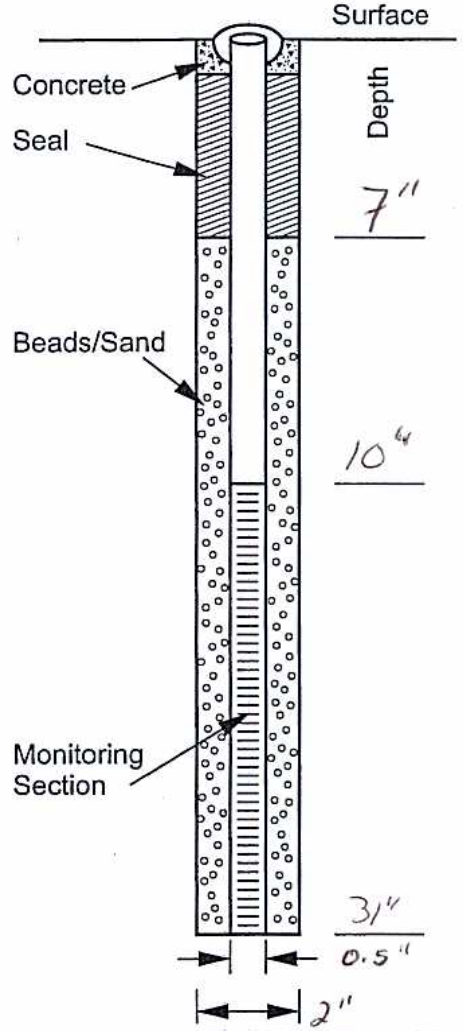
Date Started: 3/26/04

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5'		<1.0	Concrete	
10			DK Gray, gravel, uniform, loose, dry, non-plastic, fill	
15"			Brown, gravelly sand, poorly graded, loose, dry, non-plastic, fill	
			Lt. gray, sandy gravel, poorly graded, loose, dry, non-plastic, fill.	
20"			Brown, silty sand, uniform, moderately stiff, dry, slightly plastic, fill	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-27

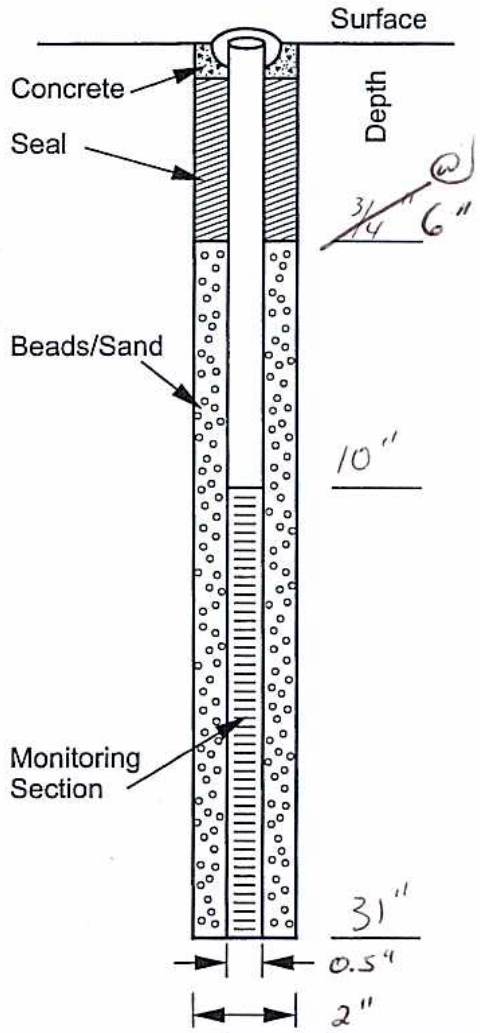
Date Started: 3/22/04 1220-1240

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			gravel	
15"			Brown, silty sand, uniform, loose, dry, non plastic, soft fill, ~~silty~~ (w) ~~Sand.~~ (w)	~~SM~~ (w)
20"				
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-28

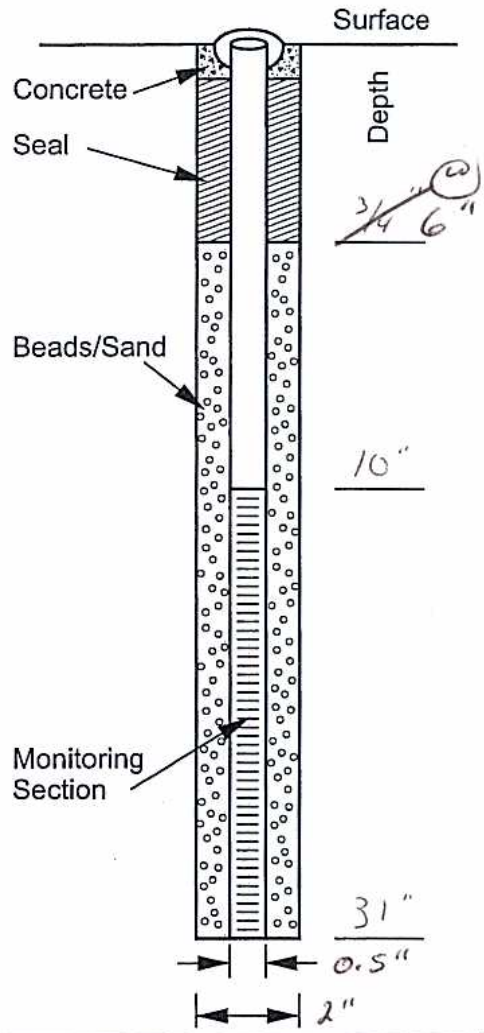
Date Started: 3/22/04 1240 - 1300

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
			Gravel	
10"			Brown, silty sand, uniform, loose, dry, non plastic, soft fill, ~~SM~~ (w)	SM
20"				
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature]
   Date - Results

MACTEC

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-29

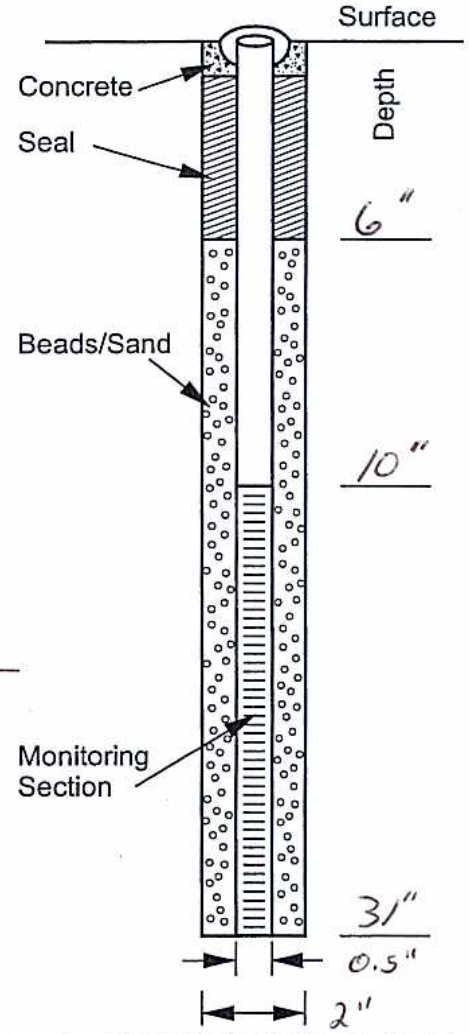
Date Started: 3/23/04 1015-1025

Date Completed: 4-01-04

Logged By: [illegible]

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, silty sand, dry, ~~compacted~~ uniform, compacted, non-plastic fill.	
15"				
20"				
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-30

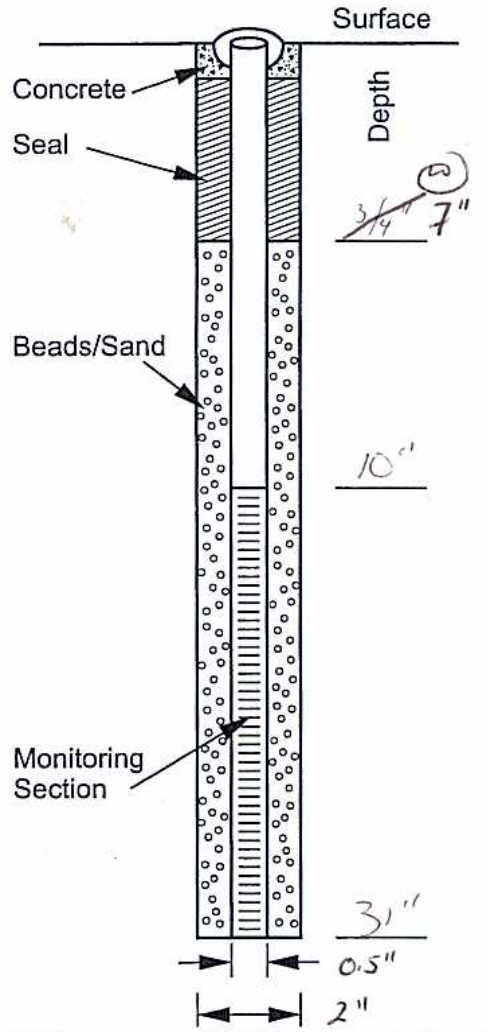
Date Started: 3/23/04 0905 - 0915

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"		<1.0	Lt brown, silty sands, dry fill non plastic.	
15"				
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-31

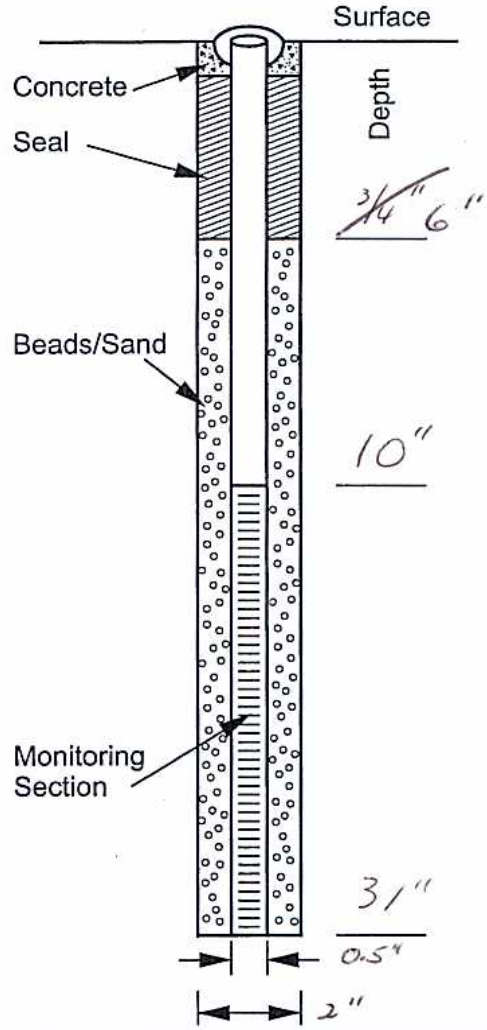
Date Started: 3/22/04 1330 - 1350

Date Completed: 4-01-04

Logged By: WDR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		41.0	Concrete	
			Gravel fill	
10"			light brown, sandy soil, uniform, very soft, damp, non plastic, layering, fill	
15"			Dark gray, sandy soil, uniform, very soft, damp, non-plastic, layering, fill	
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-32

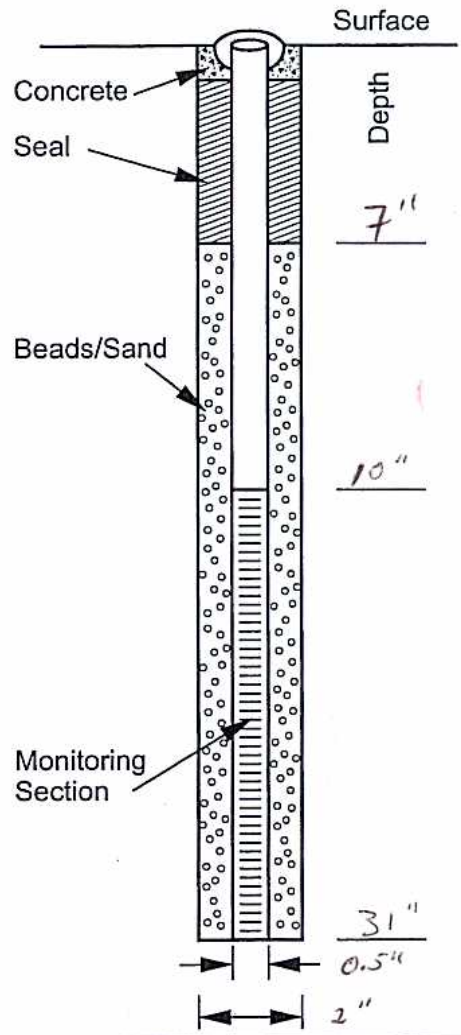
Date Started: 3/22/04 1355-1405

Date Completed: 4-5-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5		<1.0	Concrete	
10		<1.0	Light brown, sand, uniform, very loose, dry, non-plastic, , fill, SP	SP
15				
20		<1.0	Dark gray, silty sand, uniform, medium dense, damp, non-plastic, Soft fill, ~~SM~~	SM
25				
30			No recovery	
35				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED

Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-33

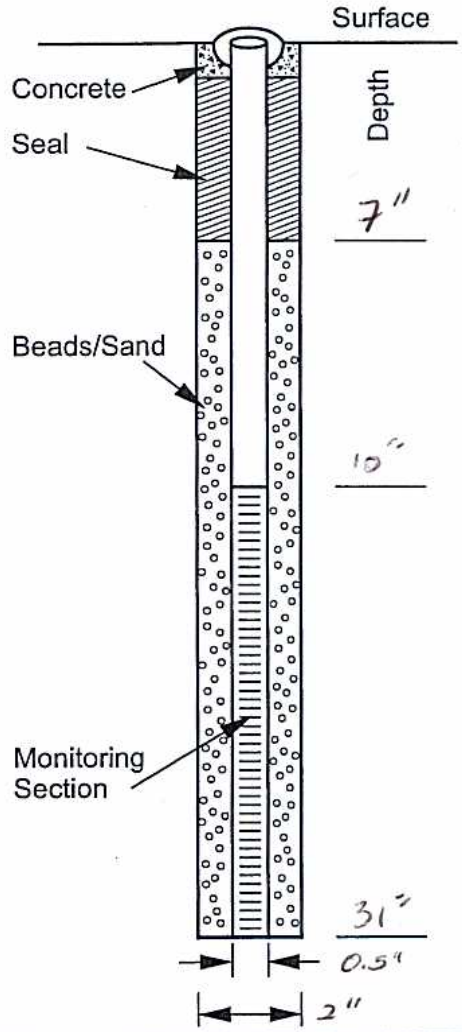
Date Started: 3/23/04 0915-0945

Date Completed: 4/1/04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"			Brown sandy soil, ~~dry~~ damp, compact, non-plastic, fill	
15"	~~1.4~~ 1.2	1.4 1.2		
20"		1.0 <1.0		
25"				
30"			Refusal	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-34

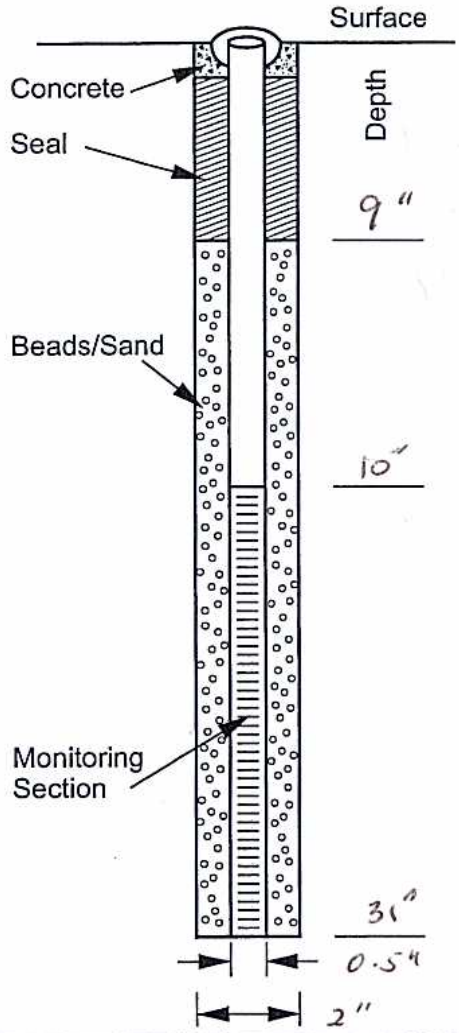
Date Started: 3/22/04 1420 - 1430

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"		<1.0	Light brown, silty sand, uniform, loose, dry, non-plastic, soft fill, ~~SM~~	SM
15"				
20"				
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-35

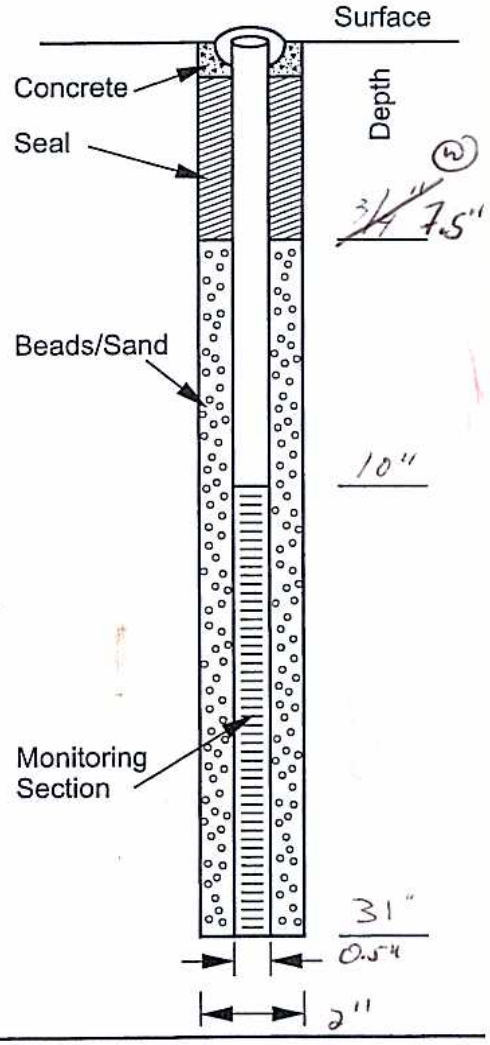
Date Started: 3/22/04 1405 - 1420

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0 ppm	Concrete	
10"			Dark gray, silty sand, uniform, medium dense, damp, non-plastic, , fill, SM	SM
15"			Light brown, silty sand, uniform, ~~med~~ loose, dry, non-plastic, soft fill, ~~SP~~ SF	
20"		1.0 ppm		
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED (Date - Results)

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-36

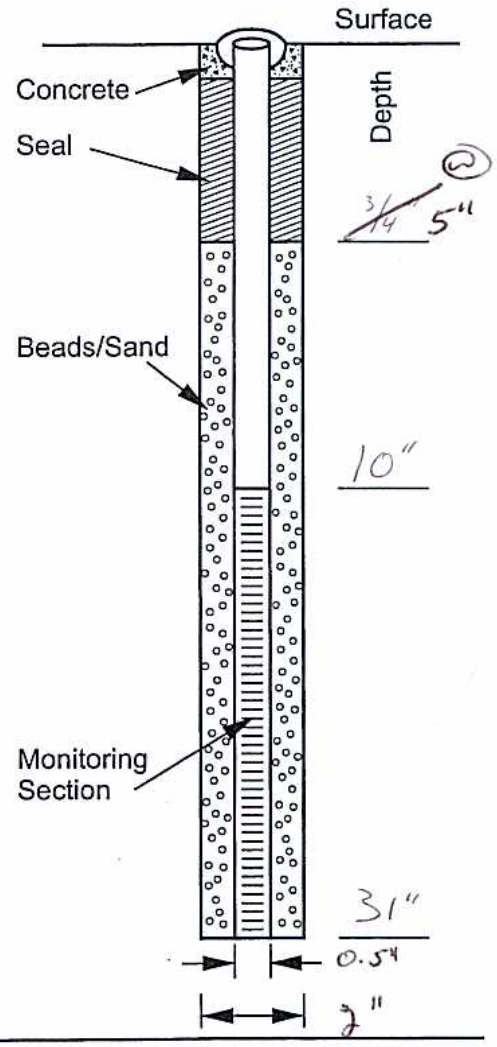
Date Started: 3/23/04 0850-0930

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		1.5	Coarse gravels with sand. Damp fill	
		8.3		
15"		~~4.8~~	~~fine gra~~ silty sand, damp, fill	
		~~3.0~~ 4.8		
20"		3.0		
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-37

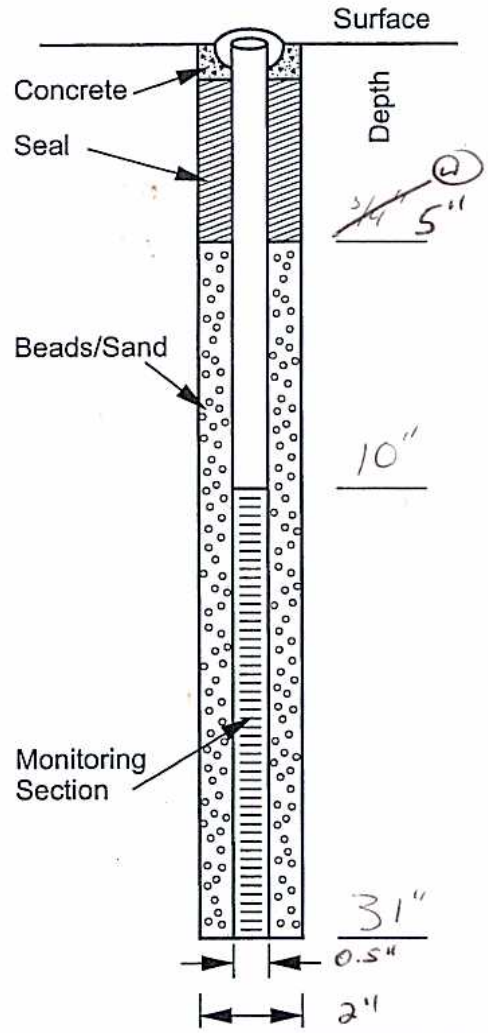
Date Started: 3/23/04 1000 - 1005

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, silty sand fill	
15"				
20"				
25"			DK gray, silty and clay, uniform, compacted, dry, ~~non plastic~~ slightly plastic, alluvium	MH
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations: observed sea shell in bottom 4" of sample.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-38

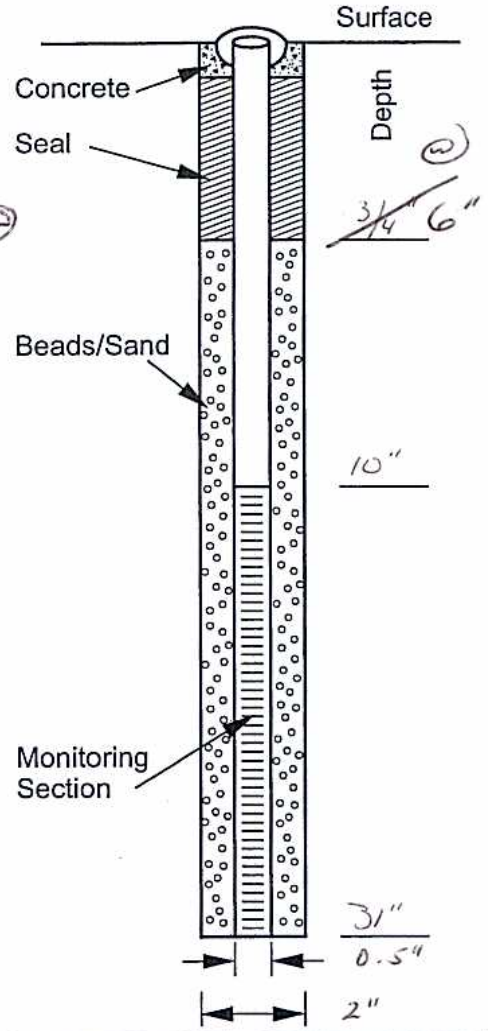
Date Started: 3/22/04 1500 - 1510

Date Completed: 4-01-04

Logged By: WR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5		<1.0	Concrete	
10		<1.0	Light brown, silty sand, uniform, loose, dry, non plastic, soft, fill, ~~SM~~	~~SM~~
15				
20				
25				
30			No recovery	
35				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-39

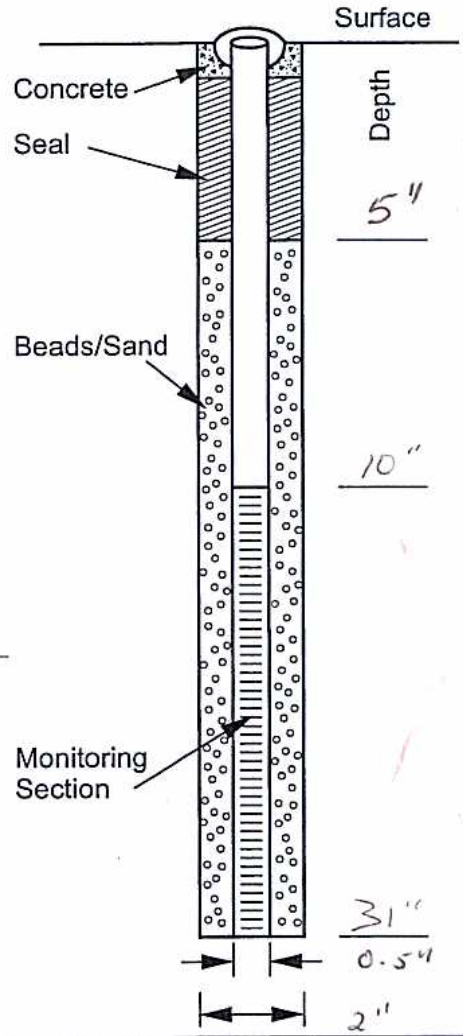
Date Started: 3/22/04 1445 - 1450

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
		0.5	void	
10"		0.5	light brown, silty sand, uniform, loose,	
15"		0.5	dry, non plastic, soft fill, ~~SM~~	~~SM~~
20"		0.2		
25"		0.2		
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:
3" void below bottom of concrete, large empty pocket.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED

Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-40

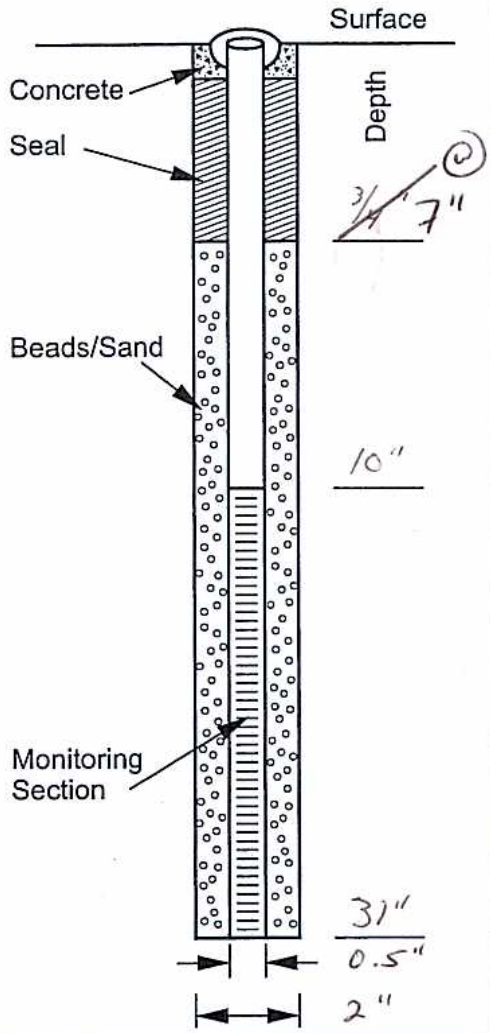
Date Started: 3/22/04 1440-1445

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"		<1.0	light brown, silty sand, uniform, loose, dry, non-plastic, soil fill, ~~SM~~	
15"				
20"				
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-41

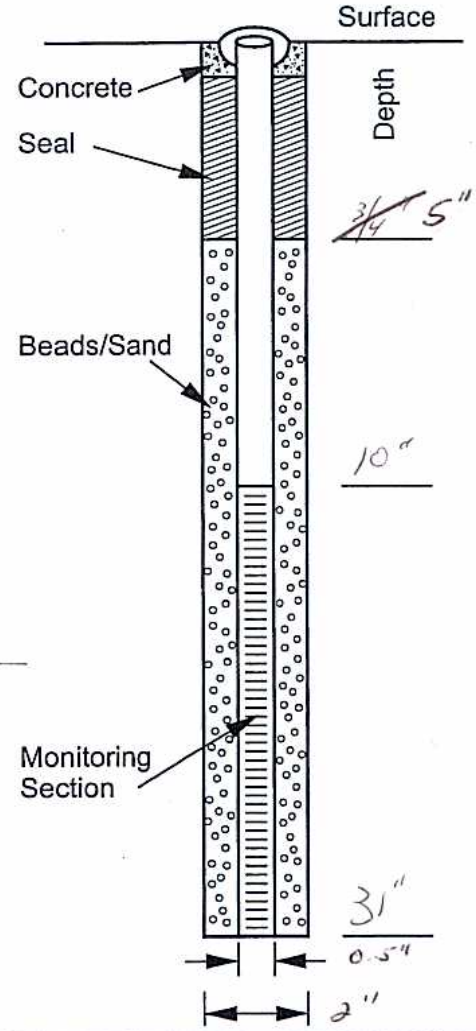
Date Started: 3/23/04 0730 - 0745

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"		<1.0	Brown silty sand fill	
15"			No recovery	
20"				
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Very soft material.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-42

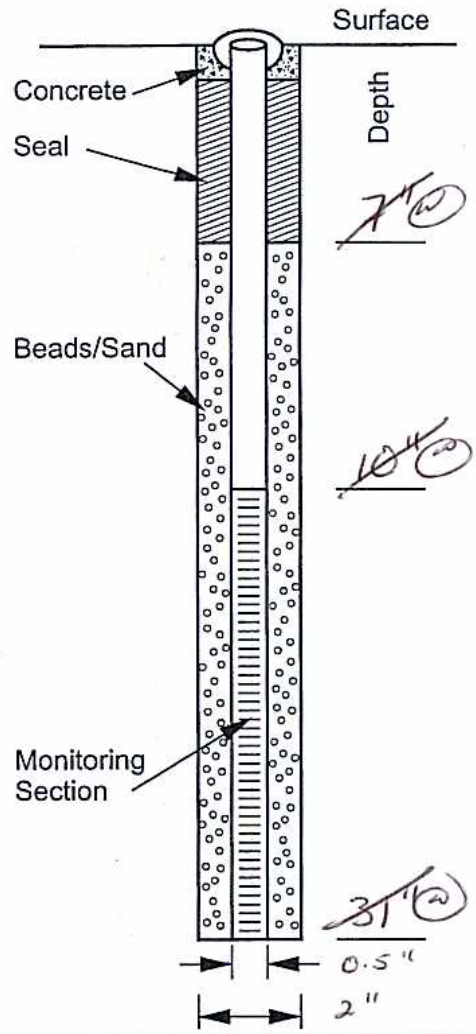
Date Started: 3/23/04 0810 - 0905

Date Completed: ~~3/23/04~~ 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"		<1.0	Dark brown silty sand, dry, compacted, fill.	
15"				
20"				
25"	1st core sample		Brown silty sand, dry, loose, fill	
30"				
35"		<1.0	Brown silty sand, damp, loose, fill	
40"				
45"	<01			
50"				

Vapor Monitoring Point Construction Details



Comments/Observations: SVM-04-42-01 42" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-42 cont'd.

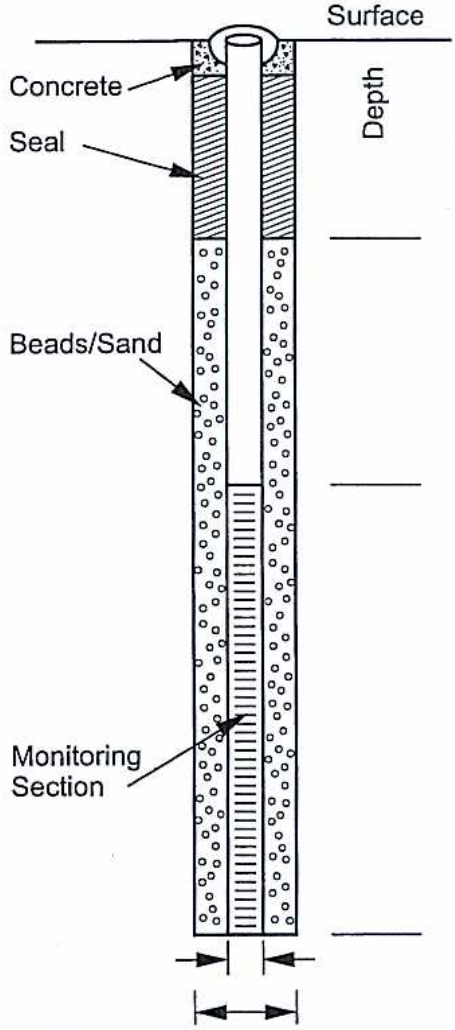
Date Started: 3/23/04

Date Completed: ~~3/23/04~~ 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"	02	<1.0	Brown silty sand, wet fill ~~WATER TABLE WATER TABLE~~	
60"		<1.0		
65"	04	<1.0	Brown silty sand, ~~wet~~ fill saturated	
70"	05			
75"				
80"	06			
85"	07			
90"	08		Brown, gravelly soils ~~wet~~ saturated fill	
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Water table at ~~55"~~ 54" bgs

SVM-04-42-06 78" bgs
SVM-04-42-07 84" bgs
SVM-04-42-08 90" bgs

SVM-04-42-02 collected sample at water table.
SVM-04-42-03 60" bgs
SVM-04-42-04 66" bgs
SVM-04-42-05 73" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-~~2~~ 42 (3/23/04)

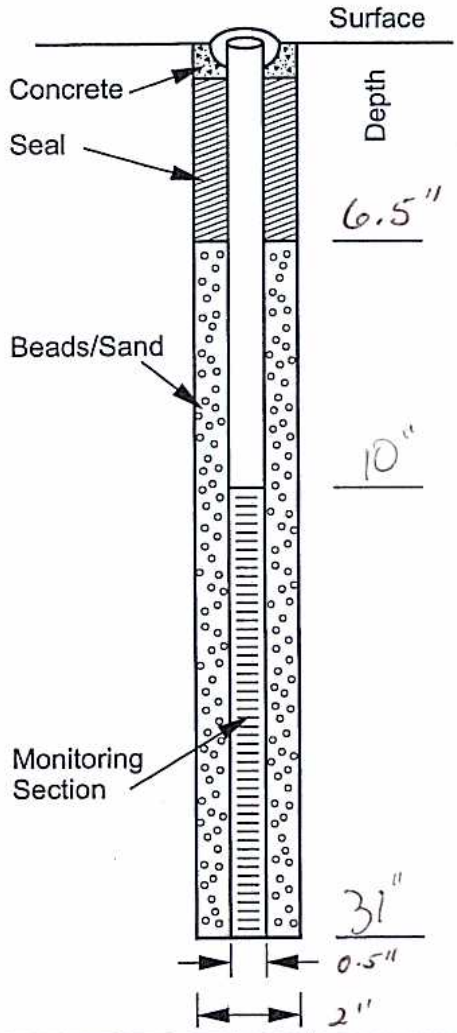
Date Started: 3/23/04 0755 - 0910

Date Completed: 4-01-04

Logged By: WDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"		1.4	Brown, silty sand	fill
15"		<1.0		
20"		1.0		
25"		<1.0		
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Collecting soil sample to 2' below water table. See adjoining sheets.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/5/04 PASSED [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-43

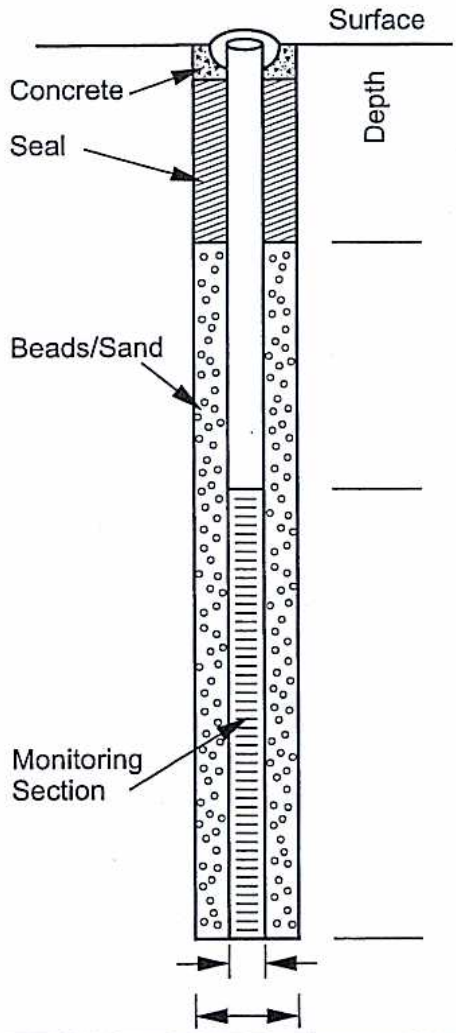
Date Started: 3/24/04 1320-1355

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			DK Brown, clayey silt, uniform, stiff damp, slightly plastic, fill	
15"				
20"			DK Brown, silty sand, uniform, soft, damp, non-plastic, fill.	
25"				
30"				
35"	<01	<1.0	DK brown, coarse sand, uniform, soft, moist, non-plastic, fill	
40"				
45"	<02	1.2 ppm		
50"				

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at ~ 45" bgs.
SVM-04-43-01 collected at 33" bgs
SVM-04-43-02 collected at 45" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-43 cont'd.

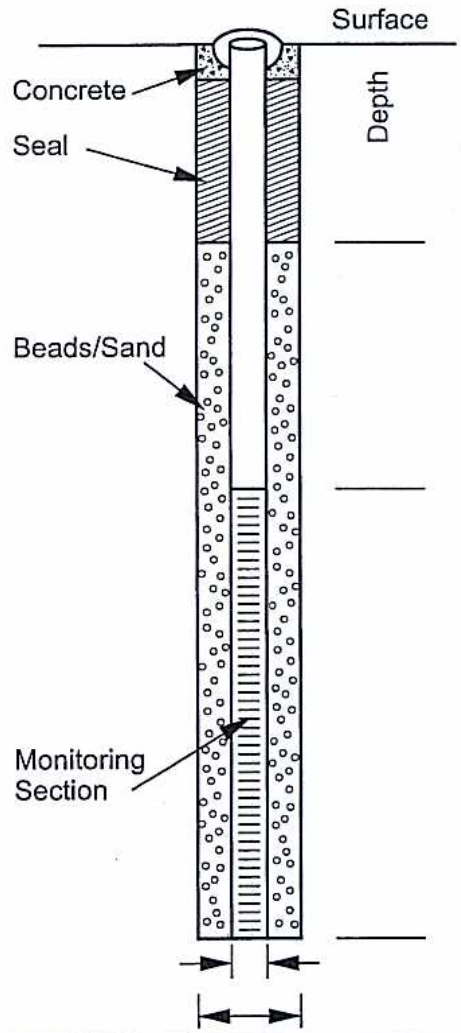
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		<1.0	See page 1 of 3	
60"	<03	2.2 ppm	Gray, coarse sand, uniform, soft, wet, non-plastic, fill	
65"	<04	3.3 ppm		
70"			Note: pronounced fuel oil odor towards bottom of core, ~ between 55" bgs and 66" bgs.	
75"				
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

SVM-04-43-03 collected at 57 bgs

SVM-04-43-~~03~~ 4 " " ~~70~~ 65" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-43 cont'd

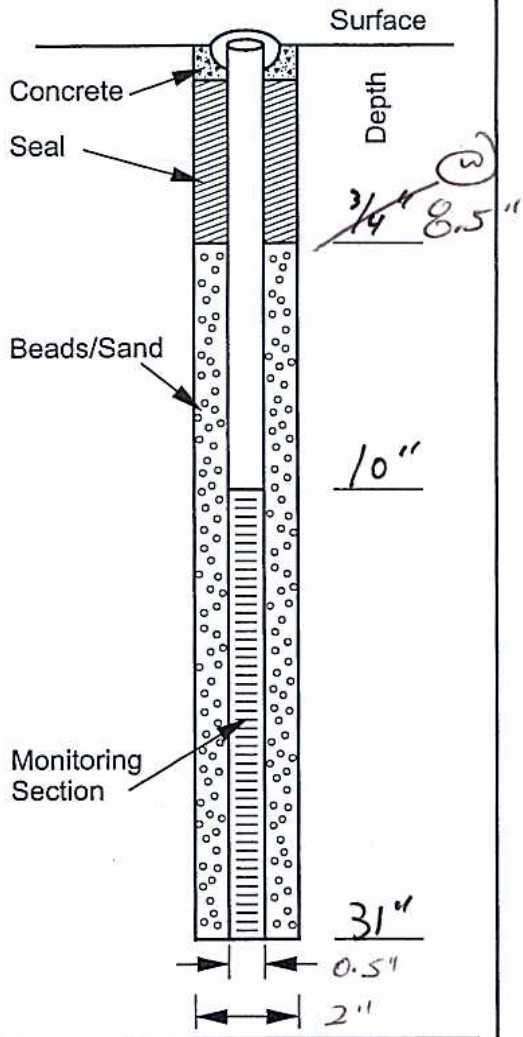
Date Started: 3/24/04 1350

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		2.0	Concrete	
10"			Brown, sand, uniform, soft, damp, fill.	
15"				
20"				
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-44

Date Started: 3-25-04

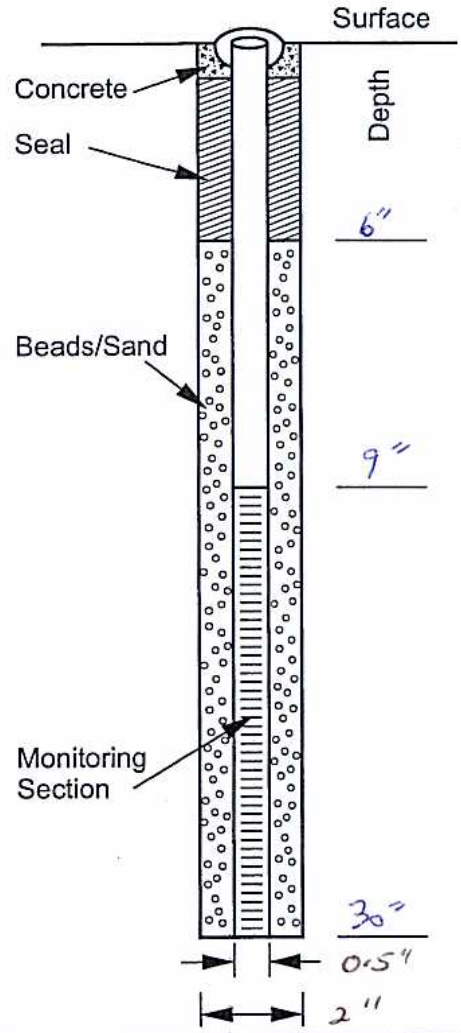
Date Completed: 4-01-04

Logged By: TDL

▽ ~7

Depth (feet)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
1'			Reworked To ~3' w/ sand To 3" Asphalt 3" To 5"	
2'			At 3', Fine Sand, Tan w/ Brown Lenses, Loose, dry, non-plastic, stratified, Alluvium	
3'			Down To 7' Then wet/saturated	
4'	S-1	Background	Variably colored yellow Brown To Dk. Brown, well ~~sorted~~ graded sand, Tr. gravel, Dense, non-plastic, stratified, Alluvium	SP
5'				
6'				
7'				
8'	S-2	<1.0		SW
9'				
10'				

Vapor Monitoring Point Construction Details



Comments/Observations:

2 Borings: 1- for soil profile
1- for probe installation
Concrete = 5" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 Passed [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-45

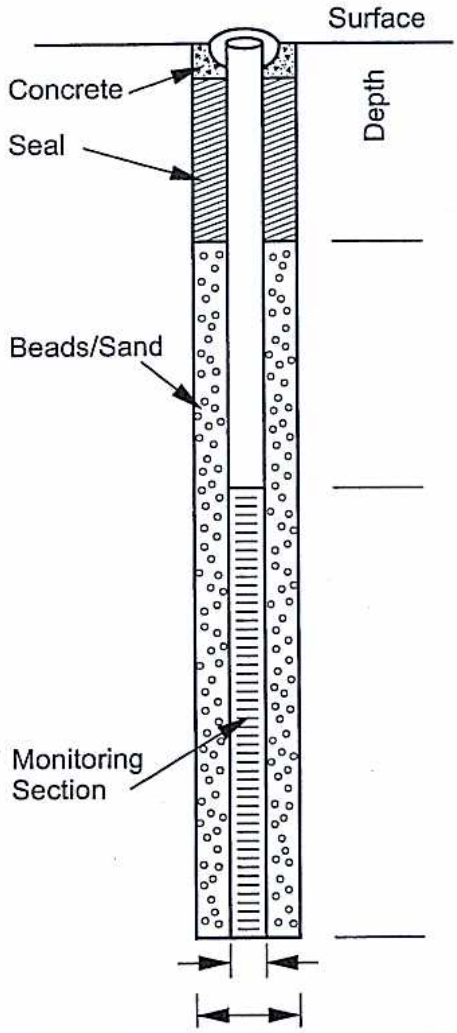
Date Started: 3/24/04 1215 - 1310

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt	
10"			DK Brown, fine grained silts, uniform, medium stiff, damp, slightly plastic, fill	
15"	<01		Brown, silty sand, uniform, soft, ~~non plastic~~ ~~damp~~ damp, non-plastic fill.	
20"		<1.0		
25"	<02		Brown, coarse sand, uniform, soft, damp, non-plastic, fill.	
30"			Brown, coarse sand, uniform, soft, ~~damp~~ wet, non-plastic, fill.	
35"				
40"	<03			
45"				
50"	<04			

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at ~ 25" bgs

SVM-04-45-01 collected at ~ 13" bgs

SVM-04-45-02 collected at ~ 25" bgs

SVM-04-45-03 collected at ~ 37" bgs

SVM-04-45-04 collected at 49" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-45 cont'd

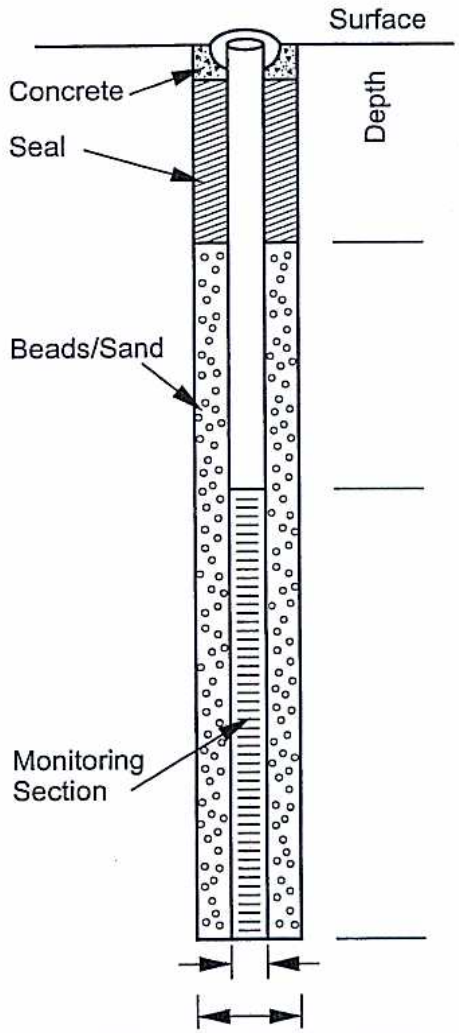
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55			Not needed WDC	
60"				
65"				
70"				
75"				
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No See 3 of 3 Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-45 cont'd.

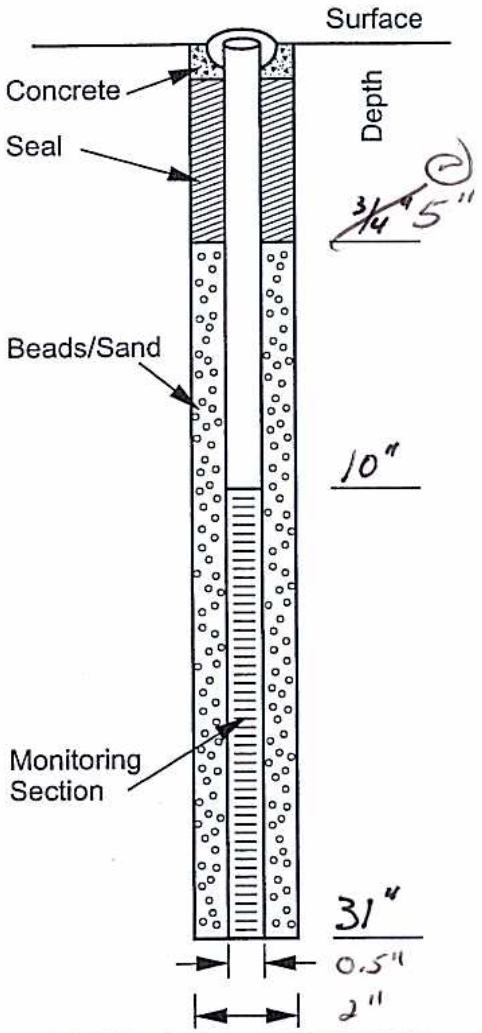
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"			DK Brown, silty sand, uniform, soft, damp, slightly plastic, fill	
15"				
20"				
25"			No recovery	
30"				
35"				
40"				
45"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-46

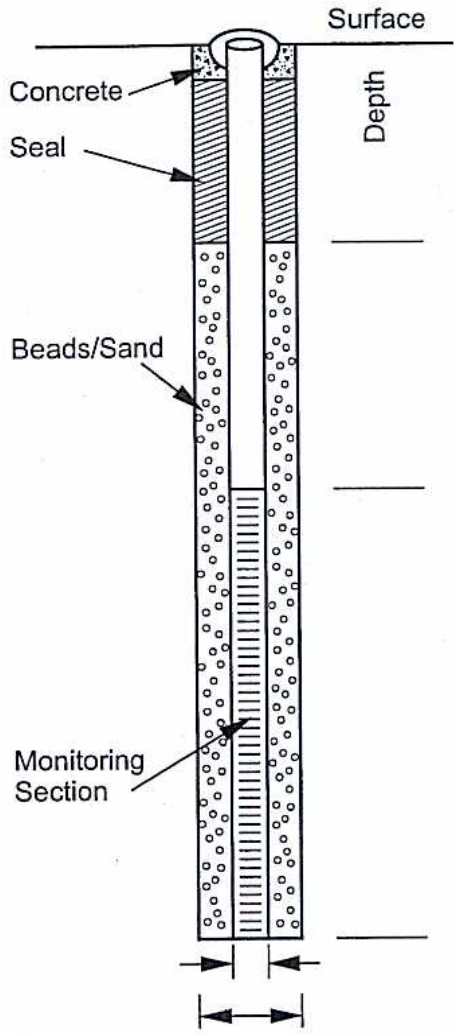
Date Started: 3/24/04 0830-1045.

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt	
10" 15"			Brown, sands with fines, uniform, medium stiff, damp, slightly plastic, fill.	
20" 25"			Brown, silty sand, uniform, soft, damp, non-plastic, fill	
30" 35"		<1.0	Brown, silty sand uniform, soft, damp, non-plastic, fill	
			Black, gravel/asphalt	
40"	<0.1		Brown, silty sand, uniform, soft, damp, non-plastic fill.	
45" 50"			~~Grade~~ coarse sand, uniform, soft, lt. brown, damp, non-plastic fill	

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed ~ 50" bgs

sleeve jammed in macro corer ~ 40 mins to clear.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results: see 3 of 3

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-46

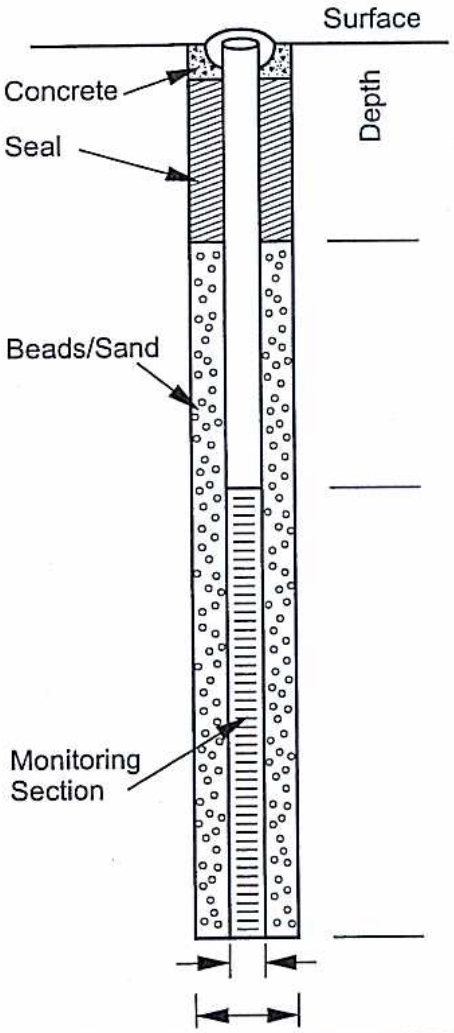
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"	02	<1.0	Lt. brown, coarse sand, uniform, soft ~~saturated~~, wet, non-plastic, fill	
60"	<03			
65"		<1.0	Black, asphalt/gravel	
70"			Lt brown, coarse sand uniform, soft, saturated, non-plastic, fill	
75"	<04			
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results: see 3 of 3

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W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-46

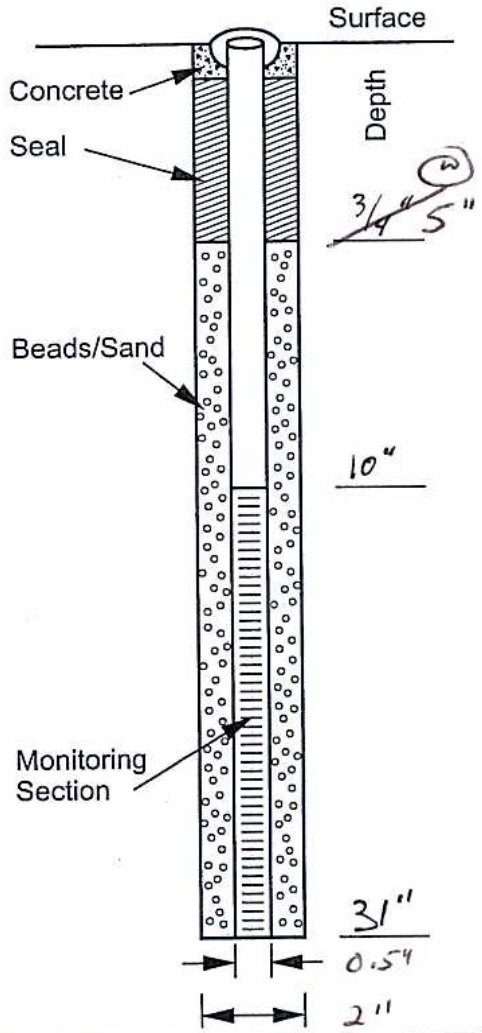
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt	
10"			Brown, sands with fines, uniform, stiff, damp, slightly plastic, fill.	
15"			Brown, silty sand, uniform, soft, damp non-plastic, fill, ~~SW~~	
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-47

Date Started: 3-25-04

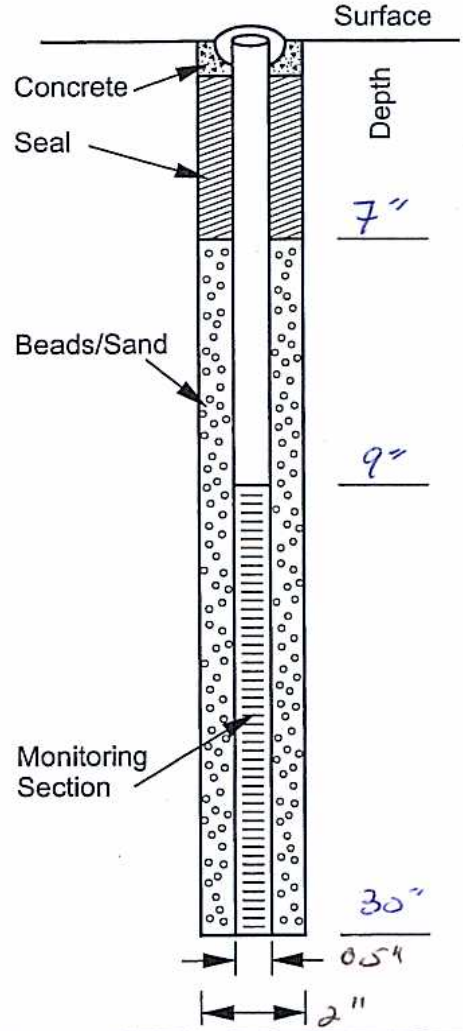
Date Completed: 4-01-04

Logged By: TDL

▽ ~5' bgs

Depth (feet)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
1'		BACKGROUND	FILL/Re-worked to ~3½' BROWN To yellow Brown FINE SAND, TR. SILT, MED. DENSE, DRY - Asphalt @ 4" TO 6" gravelly SAND 0" TO 4"	FILL
2'				
3'	S-1		~~3½' Below is SAND~~	
4'			3.5' TO 5' Light TAN SAND, well sorted, FINE, Loose, STRAT, Non-PLASTIC	SP
5'			5'-10' AS ABOVE TO 7' Then wet to SAT. SAND, w/ GRAVELLY & C. SAND Lenses, But ALSO C. SAND & ~~BRT~~ GRAVEL Throughout, well graded in sections but gap graded in sections also, DENSE, non-plastic, ~~does not~~ ~~look~~ STRATIFIED - yes it is, - ALLUVIUM -	
6'				
7'				
8'	S-2			~~GP~~ SW
9'				
10'				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 5" Thick

2 borings; - 1 for soil profile
1 for probe insertion

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-48

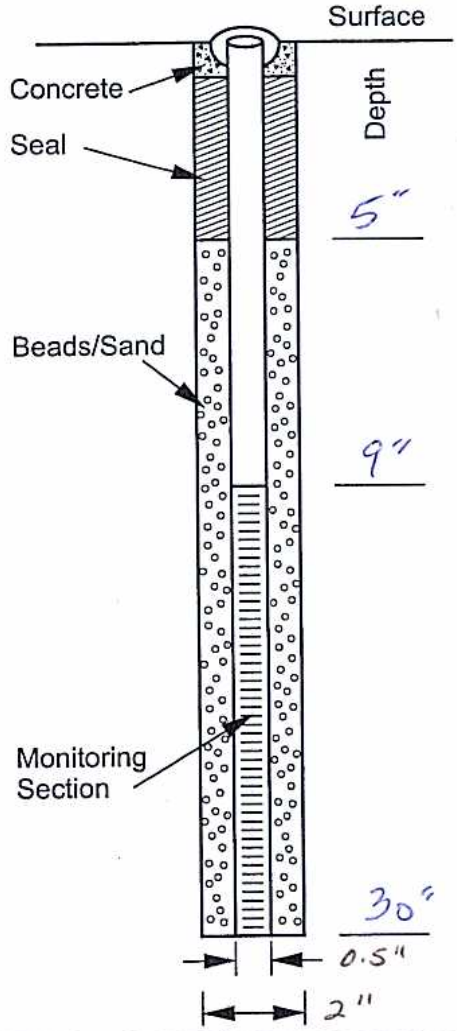
Date Started: 3-25-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			ASPHALT 3½" TO 6½" under SAND & over SAND ALL APPEARS TO BE Re-worked - Dark yellow Brown SAND, dry to damp, med. dense	
10				
15				
20	S-1	BACKGROUND		
25				
30				

Vapor Monitoring Point Construction Details



Comments/Observations:

Concrete = 5"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [illegible]
   Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-49

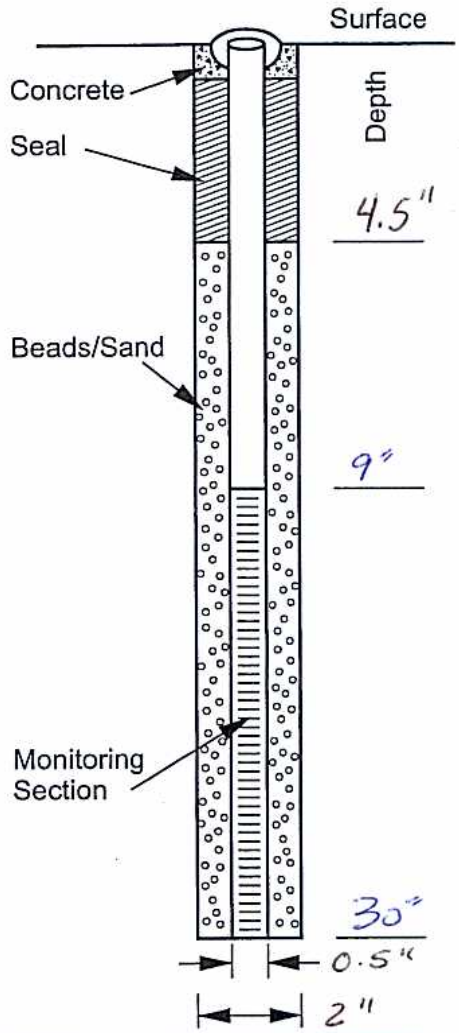
Date Started: 4-25-04

Date Completed: 4-01-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"				
10			0"-14" Appears As Fill/ Re-worked	Fill
15			0"-3" yellow Brown To Brown Sand	
20	S-1	Bkg.	3"-6" is Black Asphalt	
25			5"-14" Re-worked Sand, Tr Gravel, 14"-31" yellow Brown Sand, MED. Dense, well sorted, Dry, Non-plastic, STRAT. Alluvium	SP
30				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 4½"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-50

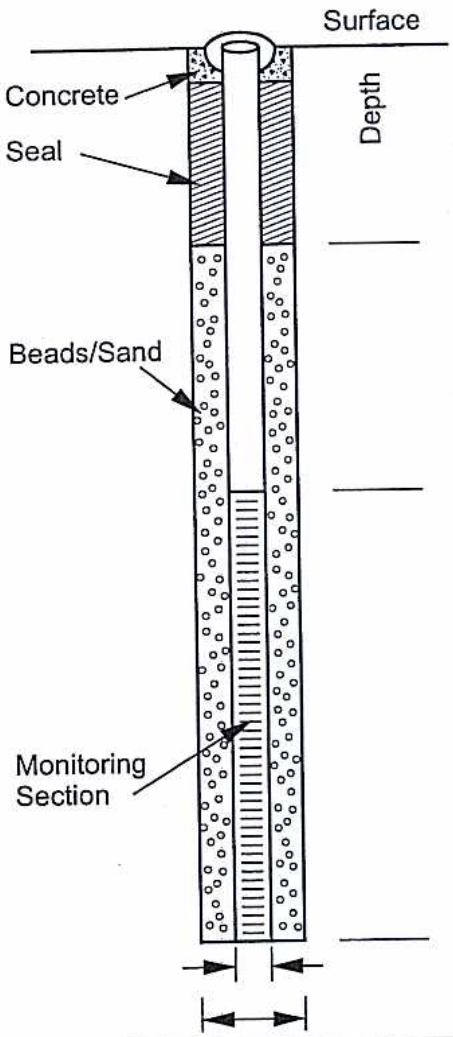
Date Started: 3/24/04 1050 - 1200

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt	
10"			DK gray, silty sand, uniform, medium stiff, damp, slightly plastic, fill	
15"				
20"				
25"	<01		Lt. Brown, coarse sand, uniform, soft, damp, non plastic, fill	
30"		<1.0	Lt. Brown, coarse sand, uniform, soft, dwet, non-plastic, fill	
35"	<02		Lt. Brown, clean sand, uniform, soft, ~~satur~~ wet, non-plastic, fill	
40"				
45"	<03			
50"				

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at ~ 33" bgs.

SVM-04-50-01 at 21" bgs

SVM-04-50-02 at 33" bgs

SVM-04-50-03 at 45" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see pg 3 of 3 Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-50 cont'd.

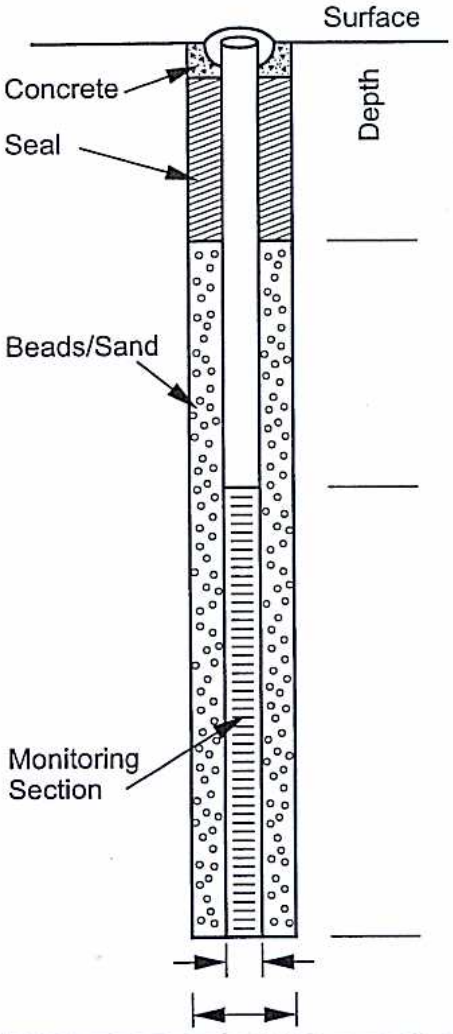
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		<1.0	See pg 1 of 3	
	04			
60"		<1.0	Lt. Brown, coarse sand, uniform, soft, ~~wet~~ (W), saturated, non plastic, fill	
65"				
70"				
75"				
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

SVM-04-50-034 at 57" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-50 cont'd 1140 - 1200

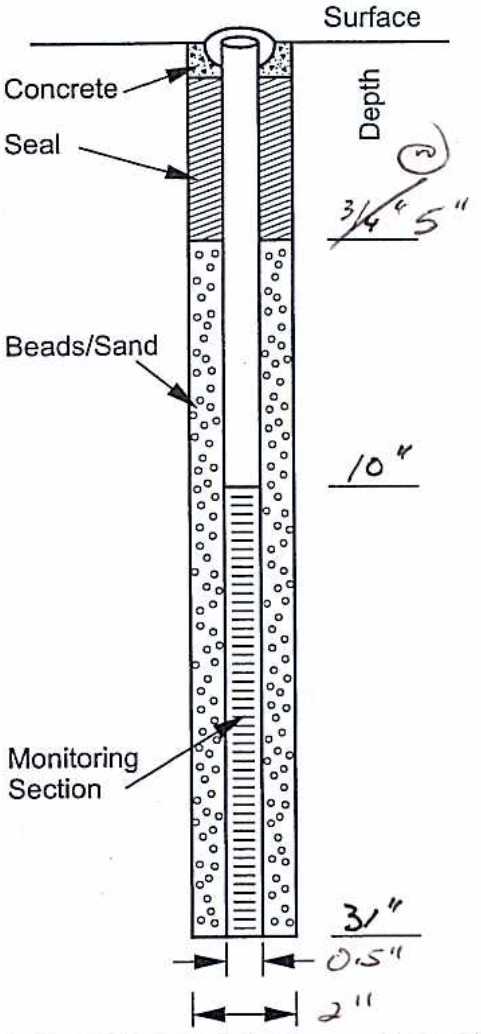
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt	
10"			DK Gray, clayey sand, uniform, medium stiff, damp, slightly plastic, fractures, fill	
15"				
20"				
25"			DK Brown, sand with fines, uniform, soft, damp, non-plastic, fill.	
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [illegible]
   Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-51

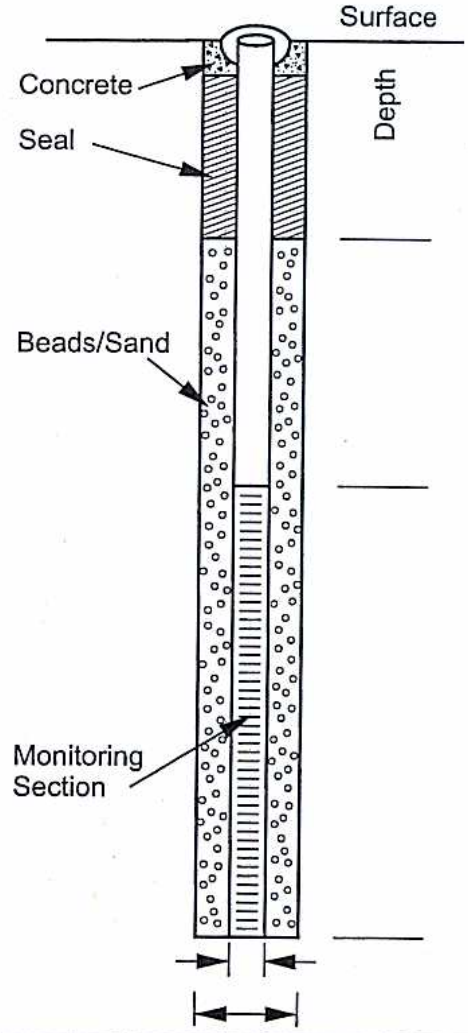
Date Started: 3/24/04 0735 - 0830

Date Completed: 4-01-04

Logged By: WJC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt	
			Black, gravel, uniform, med. stiff, dry, non-plastic fill	
10"			~~Black~~ Brown, silty sand, uniform med. stiff, dry, slightly plastic, fill	
15"			~~Dr. Gray~~ Brown, silty sand, med stiff, dry slightly plastic, fill	
20"				
25"	First set		Brown, silty sand, med stiff, wet slightly plastic, fill	
30"				
35"	<01	4.0	Brown, silty sand, soft, wet, non-plastic, fill	
			Asphalt gravel	
40"			Lt. Brown, gravelly sands, well graded, med stiff, wet	
45"				
50"	<02			

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at 46.5" bgs.
SVM-04-51-01 collected at 34" bgs
SVM-04-51-02 collected at 46.5" bgs.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No _____ see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-51 cont'd

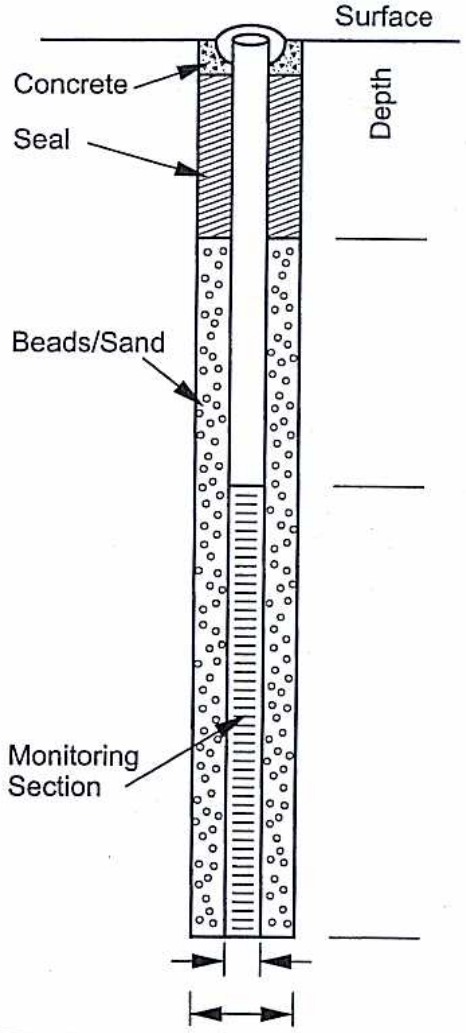
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: LWR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"		<1.0	See sheet 1 of 3 for description	
60"	03	<1.0	Brown, gravelly sands, uniform, med stiff, saturated, non plastic fill.	
65"				
70"	04			
75"				
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

SVM-04-51-03 collected at 58.5" bgs

SVM-04-51-04 collected at 70.5" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No see 3 of 3 Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-51 confirm

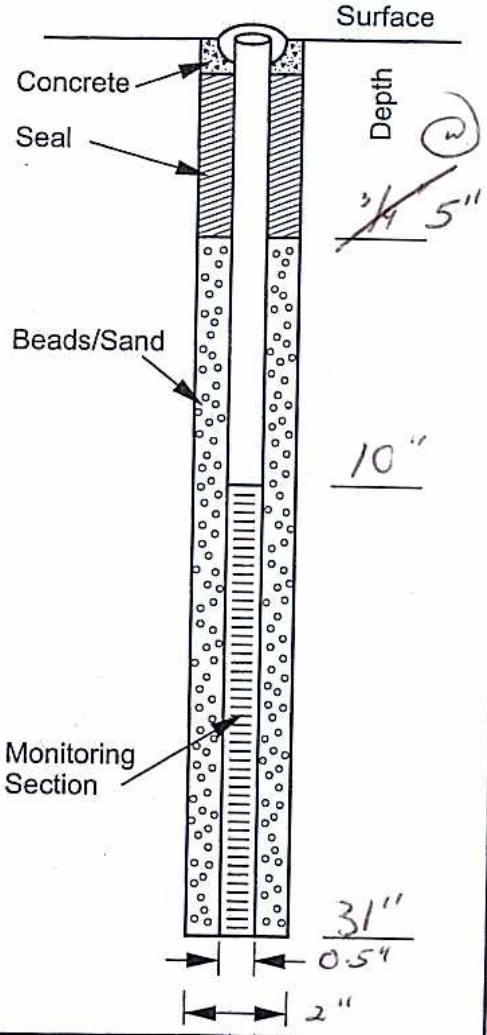
Date Started: 3/24/04

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Asphalt.	
10"			Brown, silty sand, uniform, med stiff, damp, ~~fill~~ (w) slightly plastic, fill.	
15"				
~~20"~~				
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED see details
   Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-52

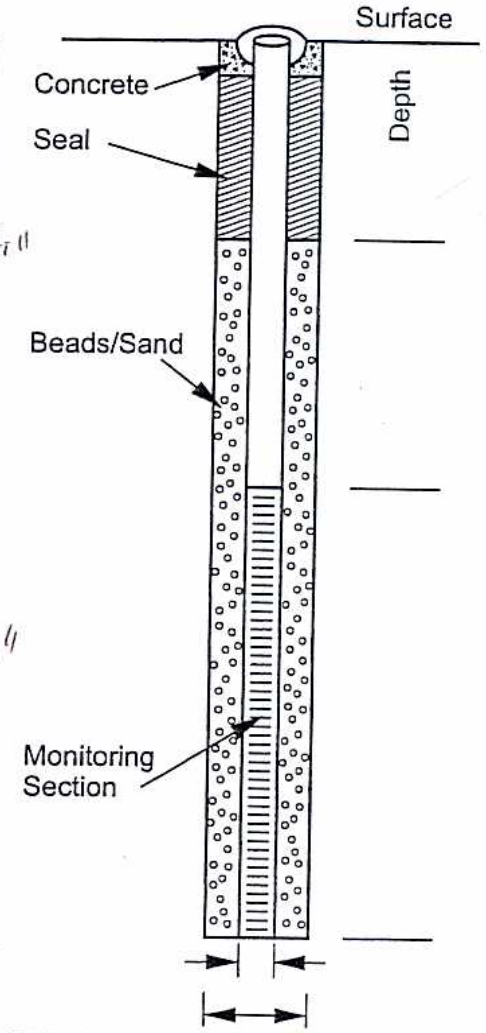
Date Started: 3/26/04 0905 - 0940

Date Completed: 4/01/04

Logged By: WDR

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, silty sand, uniform, soft, dry, non-plastic fill	
			Black, gravelly asphalt, poorly graded, loose, dry, non-plastic, fill	
15"			Brown silty sand, uniform, soft, dry, non-plastic fill	
20"				
25"			Brown, sandy gravel, poorly graded, moderately stiff, dry non-plastic fill	
			Lt. Gray, silty gravel, ~~sa~~ poorly graded, med. stiff, dry non-plastic, fill	
30"			Brown, silty sand, uniform, soft, dry, non-plastic, fill	
	<01		Brown, gravelly sand, poorly graded, loose, dry, non-plastic fill	
35"			Brown, silty sand, uniform soft, ~~dar~~ moist, slightly plastic, fill	
40"				
45"	<02		uniform	
50"			Brown, clayey silt, medium stiff, saturated, moderately plastic, fill	

Vapor Monitoring Point Construction Details



Comments/Observations: Water table observed at ~ 43" bgs.
SVM-04-52-01 collected at 31" bgs
SVM-04-52-02 collected at 43" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No Date - Results see 3 of 3

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-52

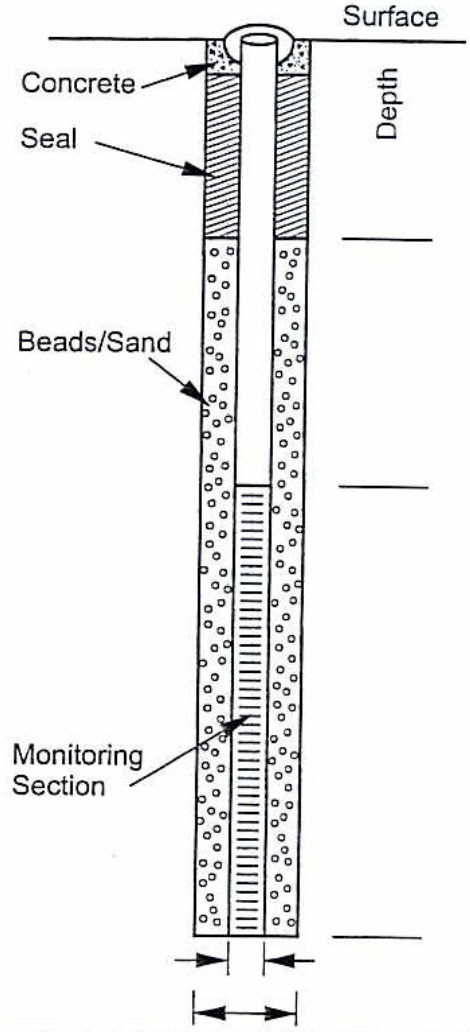
Date Started: 3/26/04

Date Completed: 4/01/04

Logged By: MDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
55"	<03	<1.0	Brown, silty sand, uniform, soft, wet, non-plastic, fill	
60"				
65"	<04		Brown, silty coarse sand, uniform, soft, wet, non-plastic, fill.	
70"				
75"				
80"				
85"				
90"				
95"				
100"				

Vapor Monitoring Point Construction Details



Comments/Observations:

SVM-04-52-03 collected at 55" bgs.

SVM-04-52-04 collected at 67" bgs

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No — see 3 of 3 (Date - Results)

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-52

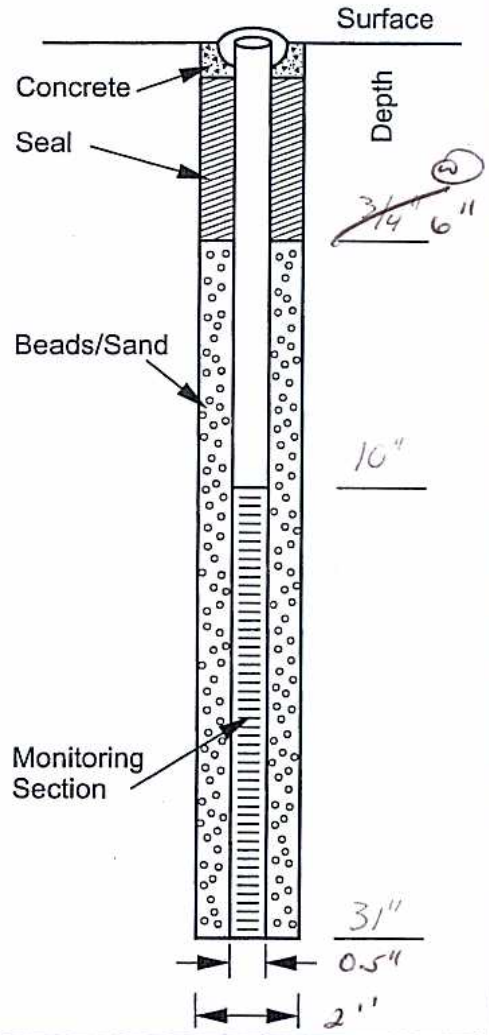
Date Started: 3/23/04 1100 - 1120

Date Completed: 4/01/04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Core	
10"			Dk Brown, silty sand, uniform, soft, damp, non plastic, fill	
15"				
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations: Void observed at bottom of screen while attempting to fill glass beads; sand added until void appeared filled. Approx 1 gal of beads and ~ 1 gall. of sand went into void before full.

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [illegible]
   Date - Results

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-53

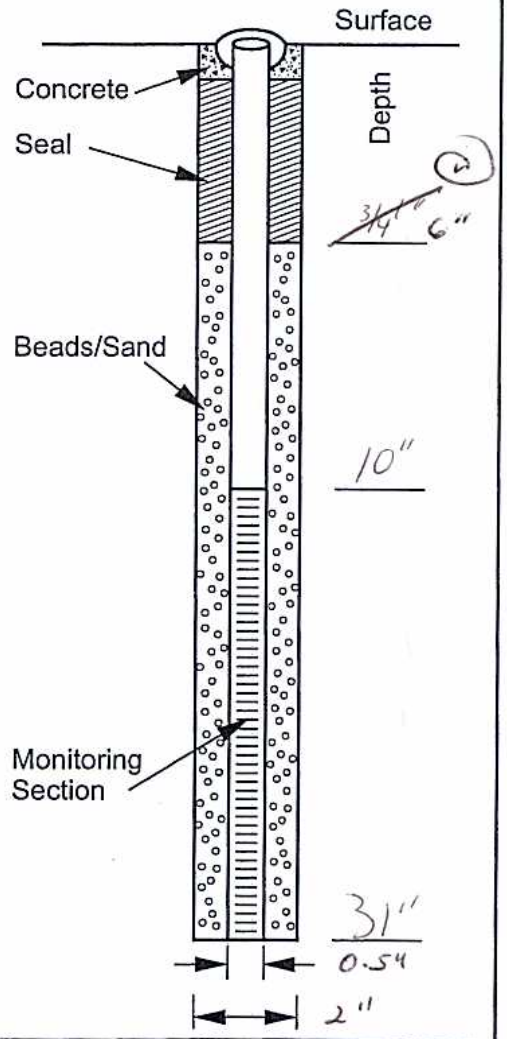
Date Started: 3/23/04 1020-1030

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Dark brown, silty sand, uniform, damp non-plastic, fill	
15"		1.2 <1.0		
20"			black, gravel and asphalt/soil, graded, soft, dry non plastic fill	
25"			~~Silty Sand~~ lt Brown, silty sand, uniform, soft, damp, non plastic, uniform, fill.	
30			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-54

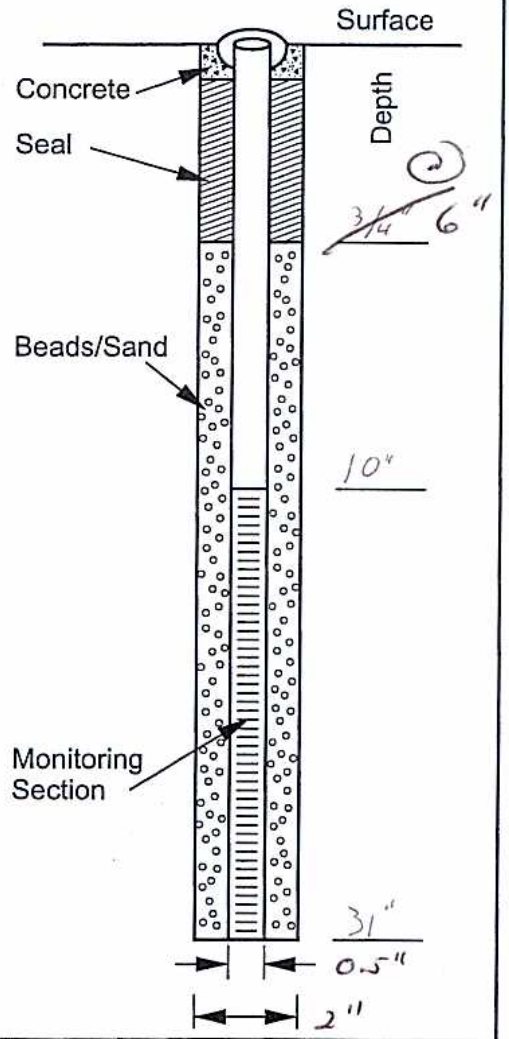
Date Started: 3/23/04 1030 - 1040

Date Completed: 4-01-04

Logged By: WDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			Concrete	
10"			DK Brown, silty sand, uniform, soft, dry, non-plastic, fill	
15"			Black, gravel and asphalt/soil, poorly graded, soft, dry non-plastic, fill	
20"			Lt. Brown, silty sand, uniform, medium stiff, damp, ~~non-plastic~~ slightly plastic, fill	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-55

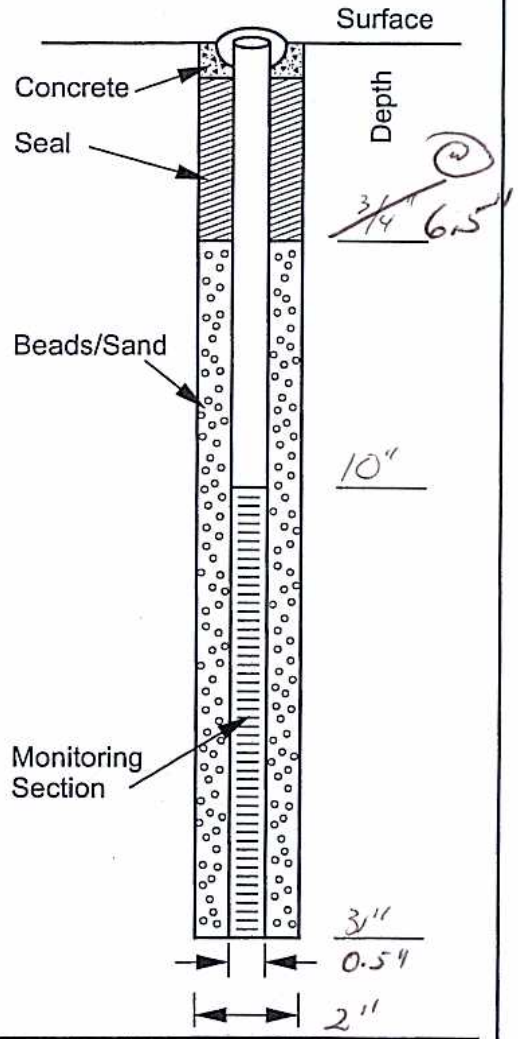
Date Started: 3/23/04 1040-1050

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Dk Brown, silty sand, uniform, soft, dry, non plastic, fill	
15"			Black, gravel and asphalt/soil, poorly graded, soft, dry, non-plastic, fill	
20"			Lt Brown, silty sand, uniform, medium stiff, damp, slightly plastic, fill.	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED

Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-56

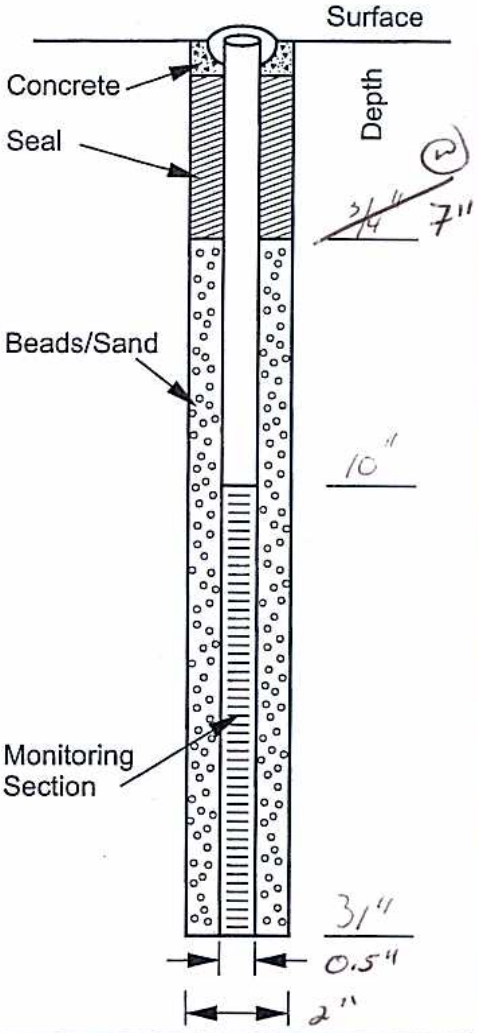
Date Started: 3/23/04 1655

Date Completed: 4-01-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Gray, gravel with fines, well graded, soft, damp, non plastic, fill	
15"				
20"			Dk Brown, silty sand, uniform, medium stiff, damp, slightly plastic, fill.	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 [illegible] PASSED
   Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-57

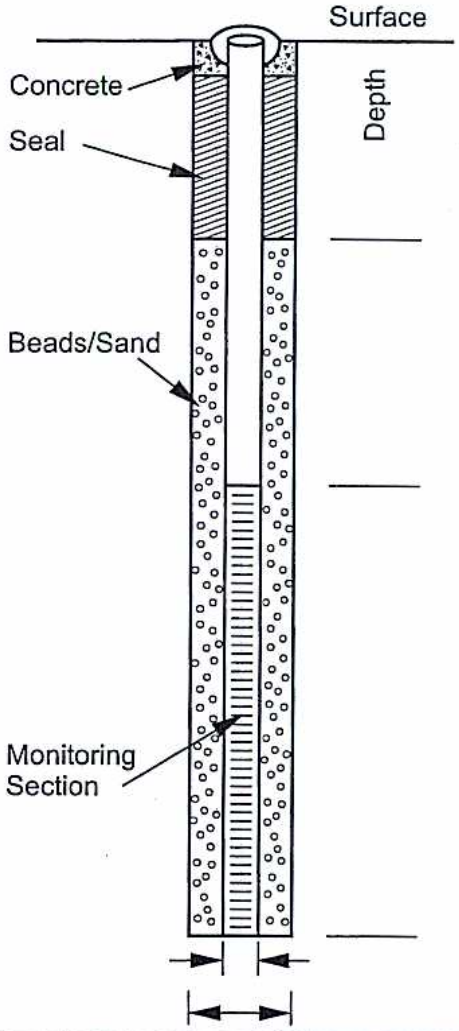
Date Started:

Date Completed:

Logged By:

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
			NO INSTALLATION	

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☑ No [illegible] 4/7/04 Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-58

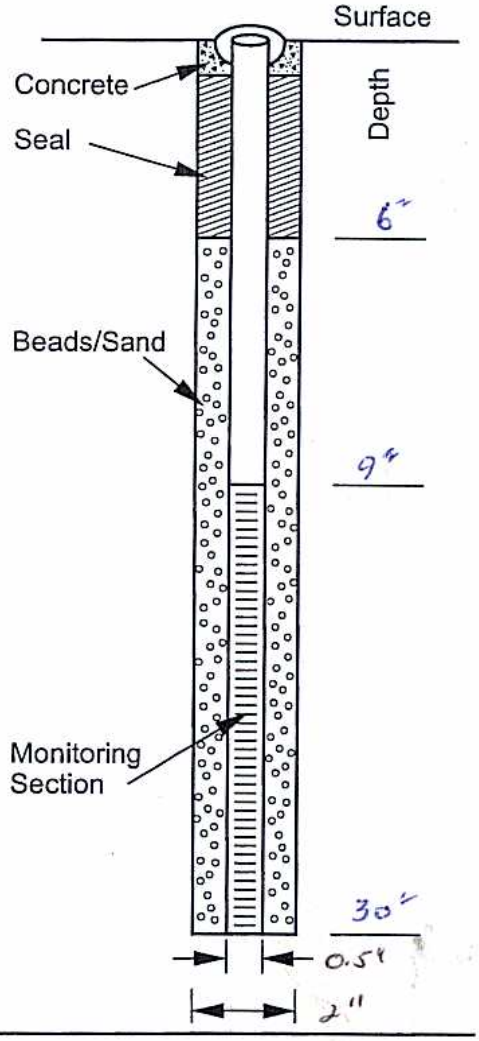
Date Started: 3-25-04

Date Completed: 4-06-04

Logged By: TOL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			5" of SILTY V.F. SAND, STRAT, MED. STIFF, DAMP. ~~STRAT.~~	SM
10				
15	SA	<1.0	OVER YELLOW BROWN STRAT. LOOSE SAND, DRY ALLUVIUM - yellow BROWN	SP
20				
25				
30				

Vapor Monitoring Point Construction Details



Comments/Observations:

TAR/ASPHALT SURFACE 6" THICK

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-59

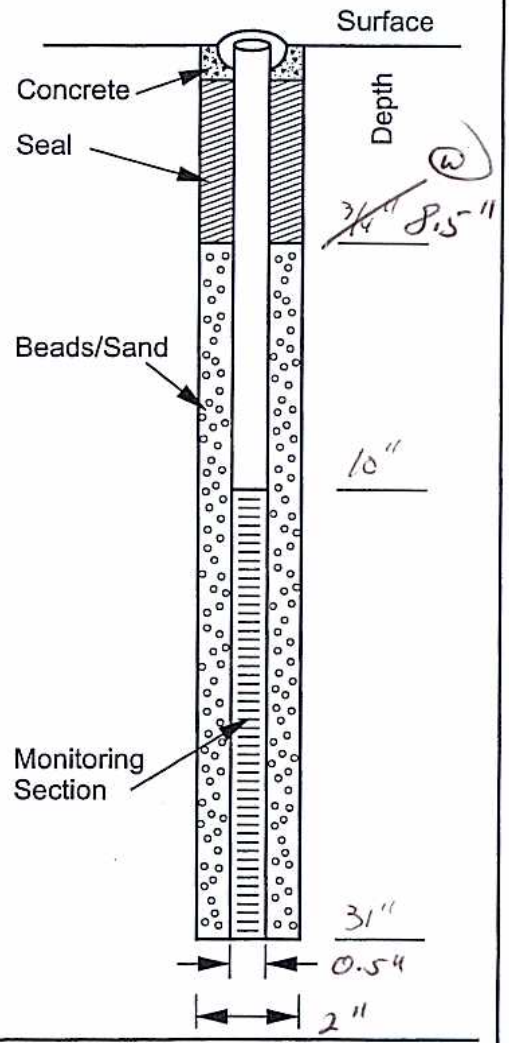
Date Started: 3/23/04 1705

Date Completed: 4-01-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, silty sands, uniform, medium dense damp, slightly plastic, fill	
15"				
20"			Lt Brown, silty sands, uniform, loose, dry, non-plastic, fill	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature]
   Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-60

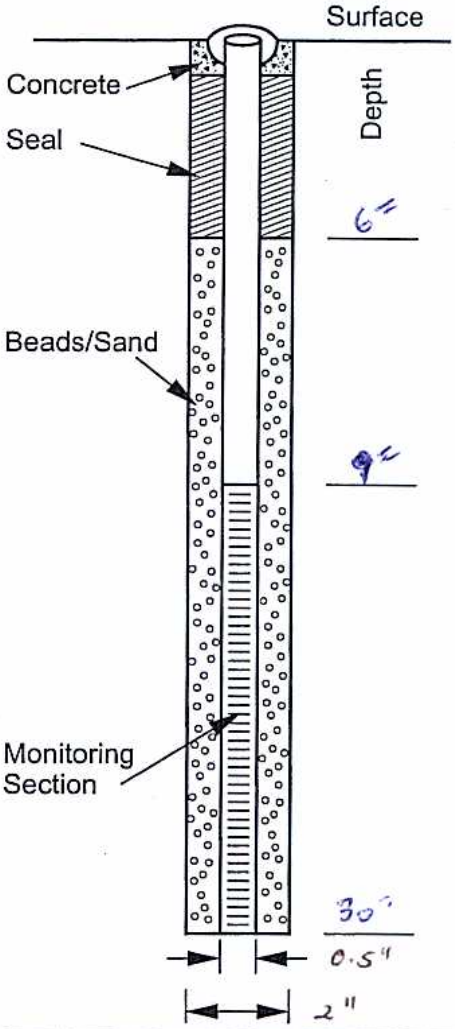
Date Started: 3-25-04

Date Completed: 4-01-04

Logged By: TDL

Depth (INCHES)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			yellow BROWN F. SAND	
			SILTY FINE SAND 0"–12"	
10			Then SAND w/ TR. C. SAND &	
			gravel at bottom - DRY	
15			CLEAN & loose below 12"	
			0"-12" is MED. STIFF -	
20	S-1	<1.0	Appears AS CLEAN FILL for	
			Subgrade to Bldg.	
25				
30				

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete 5" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [illegible] Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-61

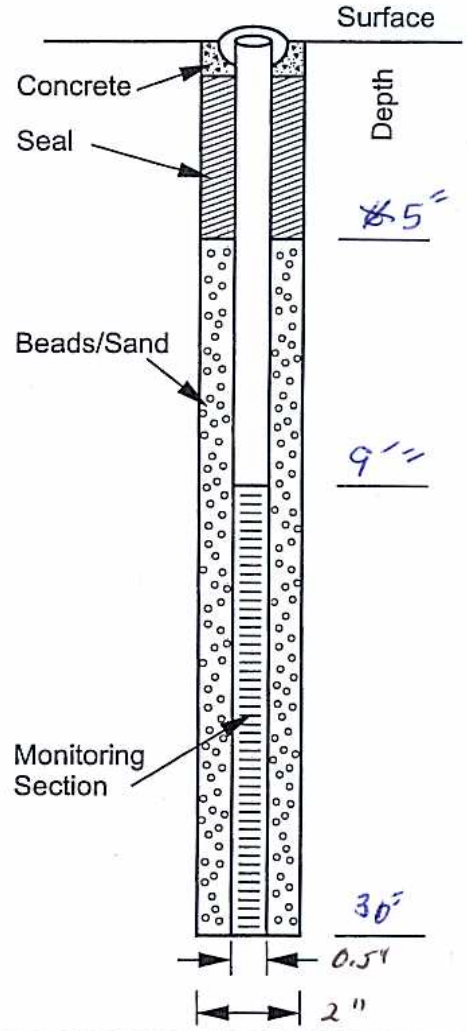
Date Started: 3-25-04

Date Completed: 4-04-04

Logged By: TDL

Depth (inches)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"			SURFACE OF ASPHALT OVER FINE SAND, well sorted, MED DENSE TO 0.8' THEN LOOSE, DAMP NON-PLASTIC, STRAT. ALLUVIUM	SP
10				
15				
20				
25				
30"				

Vapor Monitoring Point Construction Details



Comments/Observations:

ON TAR SURFACE - 6"

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/4/04 PASSED [illegible]
   Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-62

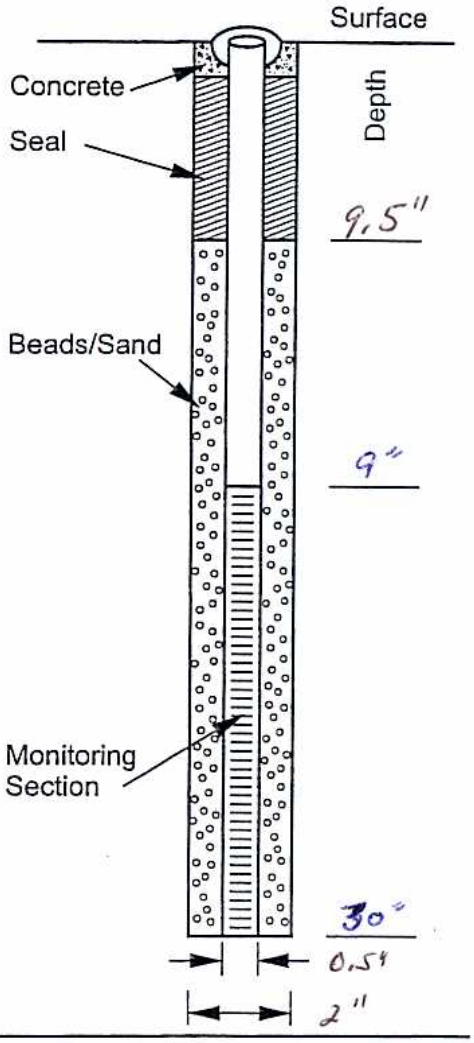
Date Started: 3-24-04

Date Completed: 4-06-04

Logged By: TDL

Depth (inches)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5, 10, 15, 20, 25, 30	S-1	<1.0	Very little Recovery - Rock in tip of sampler prevented Recovery. No PID readings Gravelly SAND, yellow Brown - Re-worked soil or fill	

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 9.5" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/7/04 PASSED [signature] Date - Results

MACTEC

W2004013a.cdr

Soil Vapor Boring Log and Monitoring Point Construction Diagram
Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-63

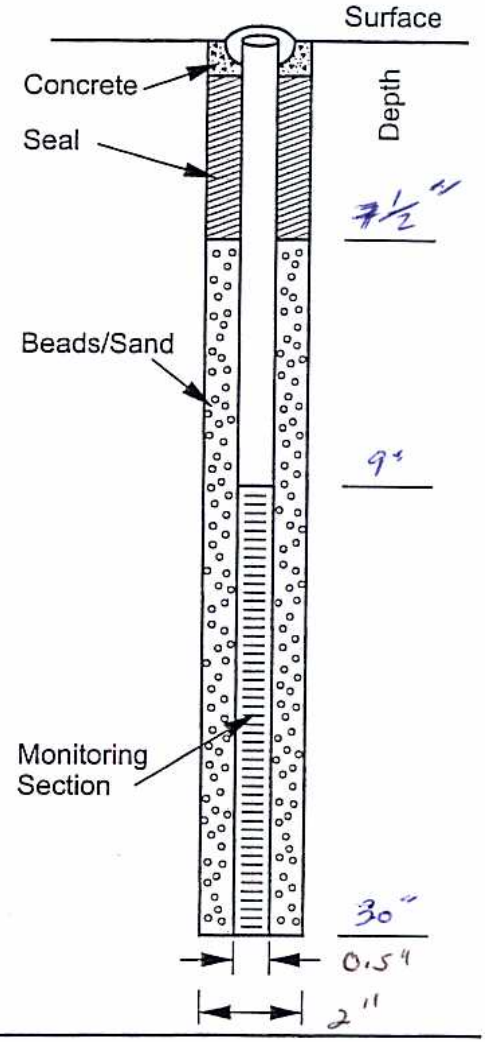
Date Started: 3-24-04

Date Completed: 4-06-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5			~4" black asphalt-like material over yellow brown SAND, DRY, loose, tr. gravel for 12", then black black gravelly asphalt-like material to bottom	
10				
15				
20	S-1	<1.0		
			MACROCORE TO 31"	
25				
30				

Vapor Monitoring Point Construction Details



Comments/Observations: CONCRETE = 8.5" thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/7/04 PASSED [illegible]
   Date - Results

W2004013a.cdr

MACTEC

Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

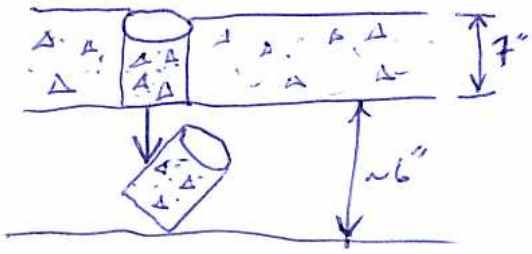
Exploration ID: SVM-04-64

Date Started: 3-24-04

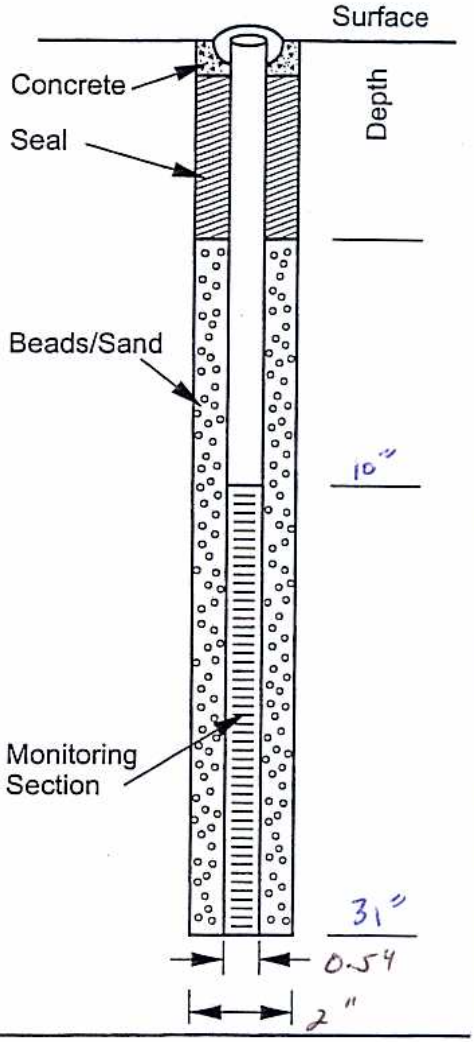
Date Completed: 4-06-04

Logged By: TDL

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
			NO INSTALLATION as yet. Large void below concrete floor. The cored concrete fell down into void after it was cored Void below concrete floor is ≐ 6" thick	



Vapor Monitoring Point Construction Details



Comments/Observations:

Concrete = 7" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No 4/7/04 [illegible] PASSED
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-65

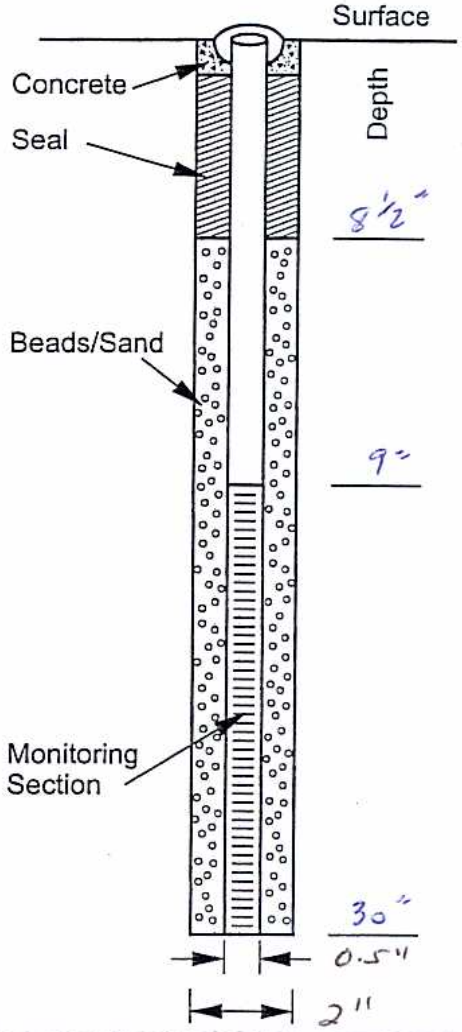
Date Started: 3-24-04

Date Completed: 4-06-04

Logged By: TDL

Depth (in.)	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5, 10, 15, 20, 25, 30	S-1	<1.0	Black & Asphalt like down to ~5", then yellow brown SAND & GRAVEL - DRY, NO PID Readings, No odor. FILL or Reworked soil	

Vapor Monitoring Point Construction Details



Comments/Observations: Concrete = 9" Thick

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/7/04 PASSED [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-~~69~~ 66 (W)

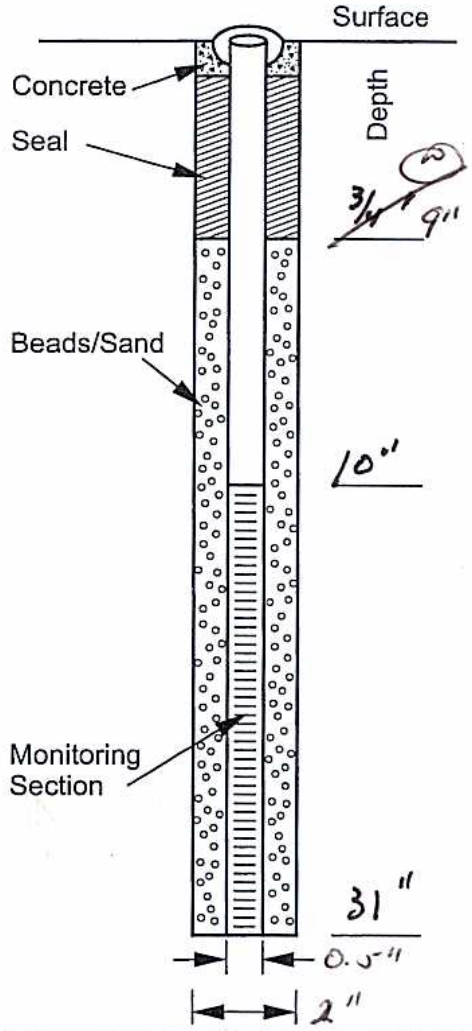
Date Started: 3/24/04 1405 - 1417

Date Completed: 4-05-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Gray, gravelly sand, well graded, soft, damp non-plastic, fill	
15"			Gray, ~~gravelly~~ fa Sand (W), uniform, soft, damp, non-plastic, fill.	
20"				
25"			No recovery.	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☐ No 4/6/04 [illegible] PASSED
   Date - Results

W2004013a.cdr

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-67

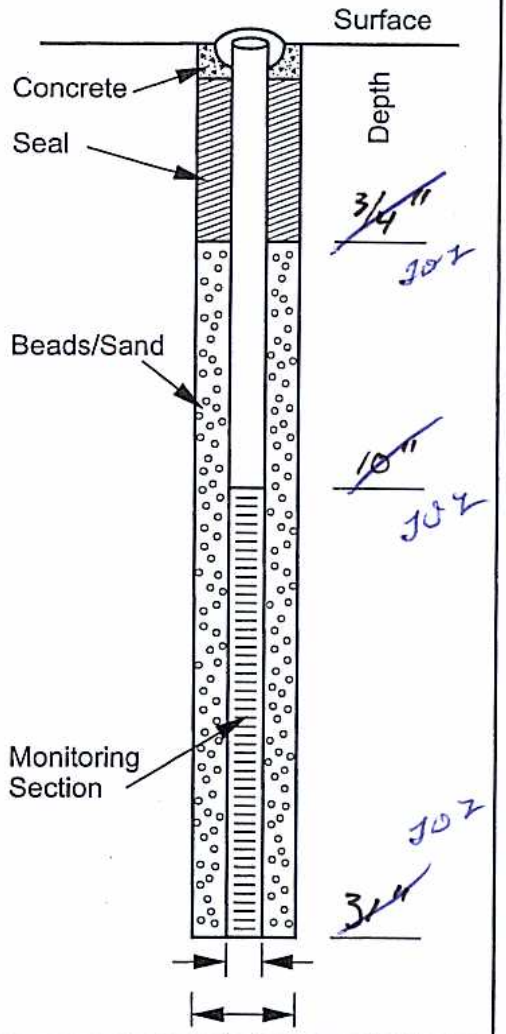
Date Started: 3/24/04 1420-1430

Date Completed: 4-05-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"				
15"			~ 14" void below bottom of concrete. No recovery. Vapor point not installed.	
20"				
25"				
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☐ Yes ☑ No 3/24/04 [illegible] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-68

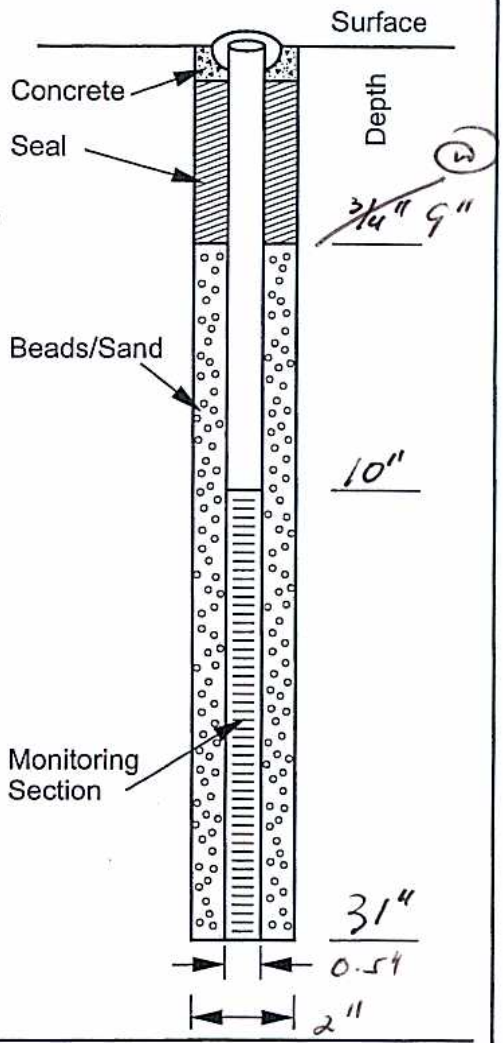
Date Started: 3/24/04 1430 1445

Date Completed: 4-05-04

Logged By: WOC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<10	Concrete	
10"			Gray, gravelly sand, well graded, soft, damp, non-plastic, fill	
15"				
20"			Brown, silty sand, uniform, soft, damp, slightly plastic, fill	
25"				
30"			No recovery	
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [signature] Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-69

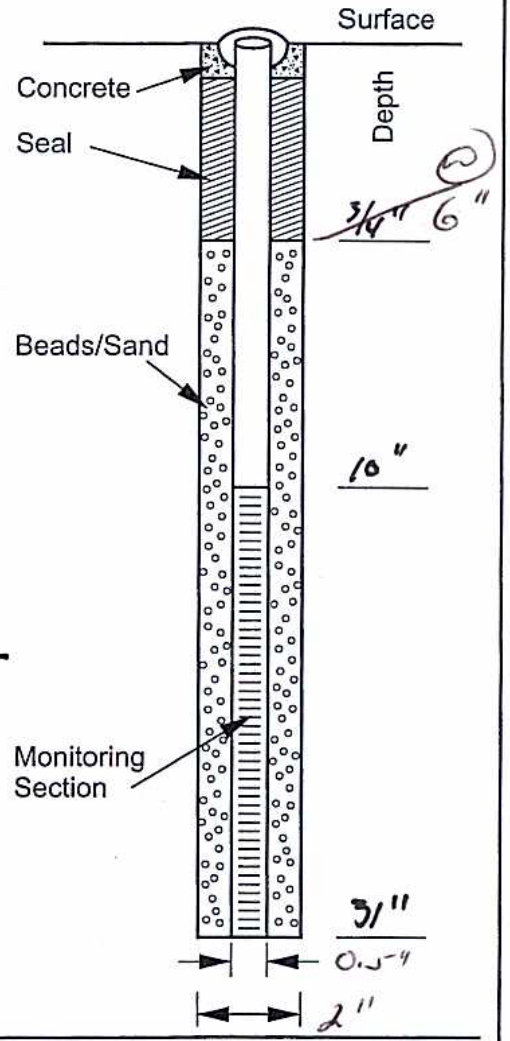
Date Started: 3/24/04 1515-1522

Date Completed: 4-05-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, gravelly sand, poorly graded, soft, damp, non-plastic, fill.	
15"				
20"				
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 PASSED [illegible]
   Date - Results

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-70

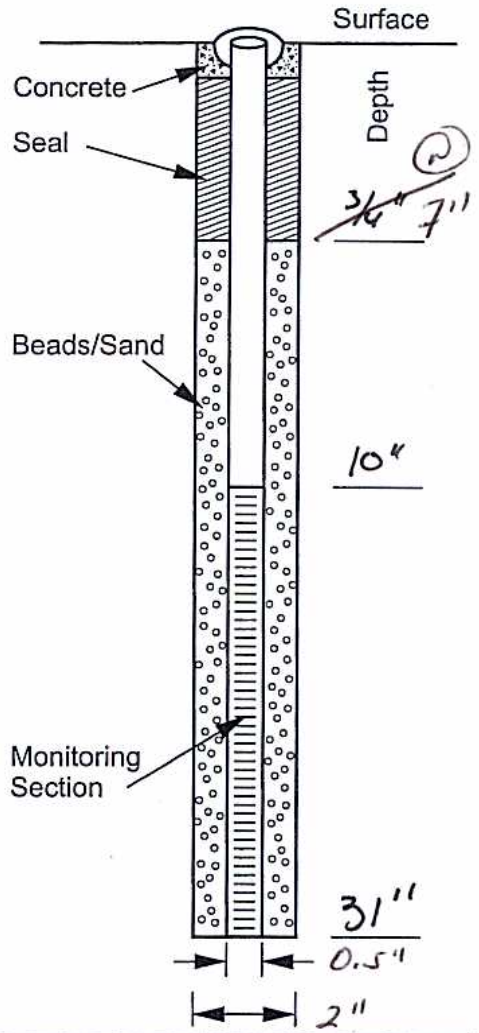
Date Started: 3/24/04 1304-1312

Date Completed: 4-05-04

Logged By: WDC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			brown, gravely sand, ~~[illegible]~~ poorly graded, soft, damp, slightly plastic, fill.	
15"			black, asphalt/gravel, uniform, soft, dry, non-plastic, fill	
			black-brown, silty sand, uniform, soft, damp, slightly plastic, fill.	
20"			lt. gray, gravel with fines, uniform, soft, dry, ~~fill~~ non-plastic, ~~dry~~ fill.	
25"			No recovery	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 Passed [signature] Date - Results

W2004013a.cdr

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Soil Vapor Boring Log and Monitoring Point Construction Diagram Stratford Army Engine Plant

Project No. 3618038008

Exploration ID: SVM-04-71

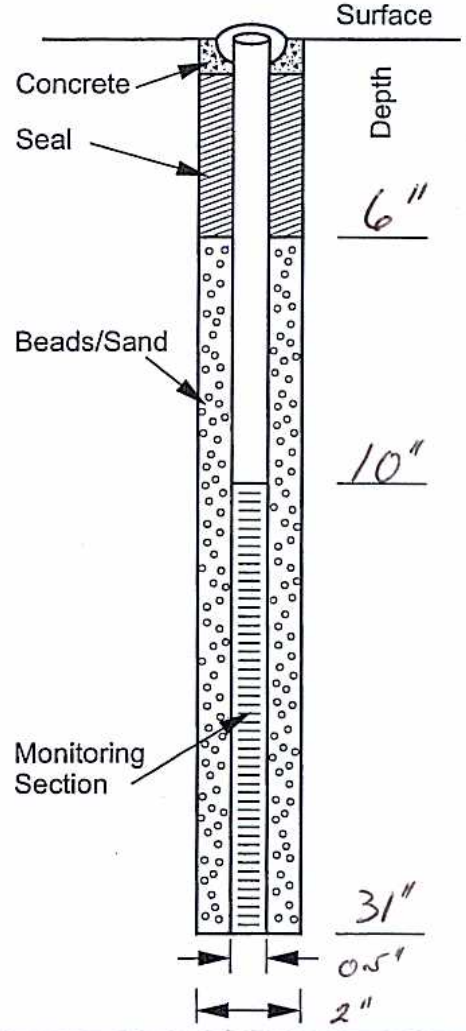
Date Started: 3/24/04 1450 - 1500

Date Completed: 4-05-04

Logged By: WPC

Depth	Sample Number	PID/PPM	Soil Description	Soil Class/Fill
5"		<1.0	Concrete	
10"			Brown, gravelly sand, poorly graded, soft, damp, non-plastic, fill	
15"				
20"			Lt. gray, gravelly sand, poorly graded, soft, damp, non-plastic, fill	
25"			No recovery.	
30"				
35"				

Vapor Monitoring Point Construction Details



Comments/Observations:

Notes:

1. Scales of soil descriptions and monitoring details are not necessarily the same.
2. Soil class is noted only if soils are undisturbed native soils.
3. Was surface seal integrity test performed? ☑ Yes ☐ No 4/6/04 Passed and Calibrated
   Date - Results

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