

ATTACHMENT 5 OF OPERATION, MONITORING AND MAINTENANCE PLAN

Monitoring Well Logs And Well Sampling Forms

**90-30 Metropolitan Avenue Site
Rego Park, Queens, New York**

NYSDEC VCP Number: V00253-2

**Prepared for:
Titan Management LP
And
DPSW Forest Hills LLC**

Prepared by:

***FPM*group™**

**909 MARCONI AVENUE
RONKONKOMA, NEW YORK 11779**

NOVEMBER 2009

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-01**

Sheet 1 of 2

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling: | |
| Sampling Method: | 2-foot Split Spoon | Start: | |
| Driller: | Chris - ADT | Time: 08:00 | Time: 13:30 |
| Weather: | Sunny, 65 Deg. F | Date: 3-26-03 | Date: 3-26-03 |
| Sampler: | AKRF/Army Silvers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|----------------|-------------------|-----------------|-------------------|-----------|--|
| 1 | | 1 3 6 | 6 | X | 0.3 | | Loose brown SAND, little Silt, trace fine Gravel and Coal-like material and Clay. Moist. Mild tar-like odor. |
| 2 | | 8 | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | 18 35 | 12 | | 2.3 | | Dense brown SAND, trace Silt. Moist. No odor. |
| 6 | | 12 16 | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | 2 5 6 | 8 | | 0.4 | | Medium dense orange-brown SAND, trace Silt and Clay. Moist. No odor. |
| 11 | | 6 | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | 6 8 | 12 | | 0.1 | | 0-3": Orange-brown SAND, trace Silt and Clay (SLOUGH). Moist. No odor. |
| 16 | | 7 11 | | | | | 3"-12": Brown and white medium-coarse SAND, little fine Gravel, trace Silt. Moist. No odor. |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | 22 16 14 | 12 | | 0.2 | | Dense white and brown SAND, little fine Gravel, trace Silt. Moist. No odor. |
| 21 | | 19 | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | 7 12 28 | 12 | | 1.2 | | Dense light brown SAND, trace fine Gravel and Silt. Moist. No odor. |
| 26 | | 14 | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | 10 9 | 24 | | 0.4 | | Dense light brown fine SAND, trace Silt. Moist. No odor. |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
Sample A-01(0'-2') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-01**

Sheet **2** of **2**

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ADT | Time: 09:00 | Time: 13:30 |
| Weather: | Sunny, 56 Deg. F | Date: 3-28-03 | Date: 3-28-03 |
| Sampler: | AKRF/Amy Sivers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|--------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | 21 12 | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | 13 15 | 12 | | 0.8 | | Medium dense light brown medium-fine SAND, trace Silt. Moist. No odor. |
| 36 | | 11 20 | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | 12 14 | 12 | | 0.3 | | Medium dense light brown SAND, trace Silt. Moist. No odor. |
| 41 | | 15 | | | | | |
| 42 | | | | | | | |
| 43 | | | | | | | |
| 44 | | | | | | | |
| 45 | | 6 8 11 | 18 | X | 0.8 | | Medium dense brown SAND, trace fine Gravel and Silt. Wet. No odor. |
| 46 | | 12 | | | 0.8 | | |
| 47 | | | | | | | End of soil sampling at 46'. Advanced boring with hollow stem augers to 54' and installed well. |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-01(44'-45') was analyzed for TCL VOCs Method 8280.

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116 East 27th Street, 7th Fl. New York, NY 10016

80-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. A-02

Sheet 1 of 2

| | | | |
|------------------|------------------------|--------------|---------------|
| Drilling Method: | Geoprobe | Drilling: | |
| Sampling Method: | 8' and 2' sampler | Start: | Finish: |
| Driller: | Andrea and Jerry - ADT | Time: 11:30 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-17-03 |
| Sampler: | AKRF/Sarah Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | | | | |
| 2 | | | | | | | 0-16" CONCRETE |
| 3 | | | 0 | | | | VOID beneath building slab. |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | 0.2 | | Brown SAND and fine GRAVEL. Dry. No odor. |
| 7 | | | | | | | Driller reports soil is very hard. |
| 8 | | | 1 | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | X | 0.3 | | |
| 12 | | | | | 0.3 | | Brown SILTY GRAVELLY SAND. Dry. No odor. |
| 13 | | | 60 | | 0.3 | | |
| 14 | | | | | 0.3 | | |
| 15 | | | | | 0.3 | | |
| 16 | | | | | 0.2 | | 0-36": Brown SILTY GRAVELLY SAND. Dry. No odor. |
| 17 | | | | | 0.2 | | |
| 18 | | | 60 | | 0.2 | | |
| 19 | | | | | 0.3 | | 36"-60": Brown SAND, some fine Gravel and Silt. Dry. No odor. |
| 20 | | | | | 0.3 | | |
| 21 | | | | | 0.2 | | |
| 22 | | | | | 0.2 | | Brown SAND, some fine Gravel, little Silt. Dry. No odor. |
| 23 | | | 60 | | 0.2 | | |
| 24 | | | | | 0.2 | | |
| 25 | | | | | 0.2 | | |
| 26 | | | | | 0.3 | | |
| 27 | | | | | 0.3 | | Brown SAND, some fine Gravel, little Silt. Dry. No odor. |
| 28 | | | 48 | | 0.3 | | |
| 29 | | | | | 0.3 | | |
| 30 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-02(10'-11') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

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Boring No. **A-02**

Sheet 2 of 2

| | | | |
|------------------|------------------------|--------------|---------------|
| Drilling Method: | Geoprobe | Drilling | |
| Sampling Method: | 3' and 2' sampler | Start | Finish |
| Driller: | Andrea and Jerry - ADT | Time: 11:30 | Time: 14:00 |
| Weather: | Cloudy, 60 Deg F. | Date: 4-4-03 | Date: 4-17-03 |
| Sampler: | AKRF/Sarah Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | | | MISSING LOG PAGE 4 |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | No sample collected. |
| 43 | | | | | | | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | 24 | | 0.2 | | Brown SAND. Moist at 47'. No odor. |
| 47 | | | | | 0.2 | | |
| 48 | | | | | | | End of soil sampling at 47'. Advanced boring with hollow stem augers to 60' and installed well. |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | Bottom of hole 60'. |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-02(46'-47') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

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Boring No. **A-03**

Sheet **1** of **2**

| | | | |
|------------------|------------------------|---------------|---------|
| Drilling Method: | Geoprobe | Drilling: | |
| Sampling Method: | 5' and 2" sampler | Start: | Finish: |
| Driller: | Andrea and Jerry - ADT | Time: 09:45 | Time: |
| Weather: | Clear, 80 Deg F. | Date: 3-27-03 | Date: |
| Sampler: | AKRF/Sarah Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | | ND | | |
| 2 | | | | | ND | | Brown SAND, some Silt, trace fine Gravel. Dry. No odor. |
| 3 | | | 30 | | ND | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | ND | | 0-24": Brown SAND, little Silt. Dry. No odor. |
| 7 | | | | | ND | | 24"-36": Brown SAND and GRAVEL and CONCRETE. Dry. No odor. |
| 8 | | | 48 | | ND | | 36"-48": Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 9 | | | | | 0.1 | | |
| 10 | | | | | | | |
| 11 | | | | | ND | | |
| 12 | | | | | ND | | Brown SAND, some Concrete (SLOUGH), little fine Gravel, trace Silt. Dry. No odor. |
| 13 | | | 46 | | 1 | | |
| 14 | | | | | ND | | |
| 15 | | | | | | | |
| 16 | | | | | 0.7 | | |
| 17 | | | | | 0.7 | | 0-12": Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 18 | | | 36 | | 0.7 | | 12"-36": Light brown SAND, little fine Gravel. Dry. No odor. |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | 0.7 | | |
| 22 | | | | | 0.7 | | Light brown SAND, little fine Gravel. Dry. No odor. |
| 23 | | | 48 | | 0.7 | | |
| 24 | | | | | 0.7 | | |
| 25 | | | | | | | |
| 26 | | | | | 0.6 | | Light brown SAND, some Gravel. Dry. No odor. |
| 27 | | | | | | | Coarse Gravel stuck in sampling assembly hence poor recovery. |
| 28 | | | 12 | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-03(0-2') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

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Boring No. **A-03**

Sheet **2** of **2**

| | | | |
|------------------|------------------------|---------------|---------|
| Drilling Method: | Geoprobe | Drill: | |
| Sampling Method: | 8' and 2' sampler | Start: | Finish: |
| Driller: | Andrea and Jerry - ADT | Time: 09:45 | Time: |
| Weather: | Clear, 60 Deg F. | Date: 3-27-03 | Date: |
| Sampler: | AKRF/Sarah Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | 0.6 | | |
| 32 | | | | | 0.6 | | Light brown SAND. Dry. No odor. |
| 33 | | | 48 | | 0.6 | | Switched to discrete sampling assembly at 30'. |
| 34 | | | | | 0.6 | | |
| 35 | | | | | | | |
| 36 | | | | | 0.7 | | |
| 37 | | | | | 0.7 | | Light brown SAND. Dry. No odor. |
| 38 | | | 36 | | 0.7 | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| 41 | | | | | 0.7 | | |
| 42 | | | | | | | Light brown SAND. Dry. No odor. |
| 43 | | | 14 | | | | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | | | | | No recovery. |
| 47 | | | 0 | | | | |
| 48 | | | | | | | |
| 49 | | | 24 | | ND | | Brown SAND. Moist at 48-49', wet at 50'. No odor. |
| 50 | | | | | ND | | |
| 51 | | | | | | | End of soil sampling at 50'. Advanced boring with hollow stem augers to 60' and installed well. |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-03(43'45") was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

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116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-04**

Sheet 1 of 2

| | | | |
|------------------|------------------------|-----------|--------|
| Drilling Method: | Gasprobe | Drilling: | |
| Sampling Method: | 5' and 2' sampler | Start: | Time: |
| Driller: | Andrea and Jerry - ADT | Time: | 08:20 |
| Weather: | Clear, 50 Deg F. | Date: | 4-3-03 |
| Sampler: | AKRF/Sarah Lopas | Date: | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|--|
| 1 | | | | | | | |
| 2 | | | | | 0.1 | | 0-16": CONCRETE. |
| 3 | | | 48 | | 0.1 | | 16"-48": Brown SILTY SAND with fine GRAVEL. Dry. No odor. |
| 4 | | | | | 0.1 | | |
| 5 | | | | | 0.1 | | |
| 6 | | | | | 0.1 | | 0-12": Dark brown SILTY SAND. Dry. Mild petroleum-like odor. |
| 7 | | | | | 0.1 | | 12"-48": Brown SILT and fine SAND. Dry. No odor. |
| 8 | | | 48 | | 0.1 | | |
| 9 | | | | | 0.1 | | |
| 10 | | | | | 0.1 | | |
| 11 | | | | | 0.1 | | |
| 12 | | | | | 0.1 | | 0-18": Brown SILTY fine SAND. Dry. No odor. |
| 13 | | | 60 | | 0.1 | | 18"-60": Brown SILTY SAND and fine GRAVEL. Dry. No odor. |
| 14 | | | | | 0.1 | | |
| 15 | | | | | 0.1 | | |
| 16 | | | | | 0.1 | | 0-12": Brown SILTY SAND, some fine Gravel. Dry. No odor. |
| 17 | | | | | 0.1 | | 12"-40": Brown SAND and fine GRAVEL, trace Silt. Dry. No odor. |
| 18 | | | 40 | | 0.1 | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | 0.1 | | |
| 22 | | | | | 0.1 | | Brown SAND, some fine Gravel. Dry. No odor. |
| 23 | | | 36 | | 0.1 | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | 0.2 | | |
| 27 | | | | | 0.2 | | Brown SAND, little fine Gravel. Dry. No odor. |
| 28 | | | 40 | | 0.1 | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
Sample A-04(0-2') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-04**

Sheet 1 of 2

| | | | |
|------------------|------------------------|-----------|---------|
| Drilling Method: | Geoprobe | Drilling: | |
| Sampling Method: | 5' and 2' sampler | Start: | Finish: |
| Driller: | Andrea and Jerry - ADT | Time: | 11:45 |
| Weather: | Clear, 60 Deg F. | Date: | 4-3-03 |
| Sampler: | AKRF/Sarah Lopas | Date: | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | 0.1 | | |
| 32 | | | | | 0.1 | | Light brown fine-medium SAND. Dry. No odor. |
| 33 | | | 60 | | 0.1 | | |
| 34 | | | | | 0.1 | | |
| 35 | | | | | 0.1 | | |
| 36 | | | | | 0.1 | | Brown SAND, trace fine Gravel. Dry. No odor. |
| 37 | | | 12 | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | No sample collected. |
| 43 | | | | | | | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | 24 | X | 0.1 | | Light brown SAND. Moist. No odor. |
| 47 | | | | | 0.1 | | |
| 48 | | | | | | | End of soil sampling at 47'. Advanced boring with hollow stem augers to 60' and installed well. |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | Bottom of hole 60'. |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Samples A-14(4'-5') and A-B(4'-5') (duplicate sample) were analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80838-0005

Boring No. **A-05**

Sheet 1 of 2

| | | | |
|------------------|------------------------|--------------|---------|
| Drilling Method: | Geoprobe | Drilling: | |
| Sampling Method: | 5' and 2' sampler | Start: | Finish: |
| Driller: | Andrea and Jerry - ADT | Time: 11:45 | Time: |
| Weather: | Clear, 50 Deg F. | Date: 4-3-03 | Date: |
| Sampler: | AKRF/Sarah Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|--|
| 1 | | | | | 0.1 | | 0-16": CONCRETE. |
| 2 | | | | | 0.1 | | 16"-48": Brown SILTY SAND with fine GRAVEL. Dry. No odor. |
| 3 | | | 60 | | 0.1 | | |
| 4 | | | | X | 0.1 | | 48"-60": Dark brown SILTY SAND with fine GRAVEL. Dry. No odor. |
| 6 | | | | | 0.1 | | |
| 6 | | | | | 0.1 | | 0-12": Dark brown SILTY SAND with fine GRAVEL. Dry. No odor. |
| 7 | | | | | 0.2 | | 12"-48": Brown SILT, some fine Gravel, trace Sand. Dry. No odor. |
| 8 | | | 48 | | 0.1 | | |
| 9 | | | | | 0.1 | | |
| 10 | | | | | 0.1 | | |
| 11 | | | | | 0.1 | | |
| 12 | | | | | 0.1 | | 0-60": Brown SILT, little fine Gravel and fine-medium Sand. Dry. No odor. |
| 13 | | | 80 | | 0.1 | | |
| 14 | | | | | 0.1 | | |
| 15 | | | | | 0.1 | | |
| 16 | | | | | 0.2 | | |
| 17 | | | | | 0.1 | | 0-24": Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 18 | | | 36 | | 0.1 | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | 0.1 | | |
| 22 | | | | | | | 0-14": Brown SAND, some fine Gravel and Silt. Poor recovery due to coarse Gravel stuck in sampler. Dry. No odor. |
| 23 | | | 14 | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | 0.1 | | |
| 27 | | | | | 0.1 | | Brown SAND, some fine Gravel. Dry. No odor. |
| 28 | | | 50 | | 0.1 | | |
| 29 | | | | | 0.1 | | |
| 30 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-05(3'-4') was analyzed for TCL VOCs Method 8280.
 Boring advanced with a geoprobe rig; no blow counts taken.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-05**

Sheet **2** of **2**

| | | | |
|------------------|-----------------------|--------------|--------|
| Drilling Method: | Geoprobe | Drilling | |
| Sampling Method: | 5' and 2' sampler | Start | Finish |
| Driller: | Andre and Jerry - ADT | Time: 11:45 | Time: |
| Weather: | Clear, 60 Deg F. | Date: 4-3-03 | Date: |
| Sampler: | AKRF/Sarañ Lomas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | 0.1 | | |
| 32 | | | | | 0.1 | | Brown SAND, some fine Gravel, little Silt. Dry. No odor. |
| 33 | | | 60 | | 0.1 | | |
| 34 | | | | | 0.1 | | |
| 35 | | | | | 0.1 | | |
| 36 | | | | | 0.1 | | |
| 37 | | | | | 0.1 | | Brown SAND, some fine Gravel, little Silt. Dry. No odor. |
| 38 | | | 60 | | 0.1 | | |
| 39 | | | | | 0.1 | | |
| 40 | | | | | 0.1 | | |
| 41 | | | | | | | No sample collected |
| 42 | | | | | | | |
| 43 | | | | | | | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | 24 | | 0.1 | | Brown SAND, trace Silt. Moist at 47'. No odor. |
| 47 | | | | | 0.1 | | |
| 48 | | | | | | | End of soil sampling at 47'. Advanced boring with hollow stem augers to 60' and installed well. |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | Bottom of hole 60' |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-05(46'-47') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

80-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-06**

Sheet 1 of 2

| | | | |
|------------------|------------------------|--------------|--------------|
| Drilling Method: | Geoprobe | Drilling | |
| Sampling Method: | 5' and 2' sampler | Start | Finish |
| Driller: | Andrea and Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F | Date: 4-4-03 | Date: 4-4-03 |
| Sampler: | AKRF/Sarah Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|--|
| 1 | | | | | | | 0-16": CONCRETE |
| 2 | | | | X | 0.1 | | 16"-42": Brown SILTY SAND, some fine Gravel. Dry. No odor. |
| 3 | | | 54 | | 0.1 | | |
| 4 | | | | | 0.1 | | 42"-54": Dark brown SILTY SAND, some fine Gravel. Dry. No odor. |
| 5 | | | | | | | |
| 6 | | | | | 0.1 | | |
| 7 | | | | | 0.1 | | Brown SILTY SAND, some fine Gravel. Dry. No odor. |
| 8 | | | 60 | | 0.1 | | |
| 9 | | | | | 0.1 | | |
| 10 | | | | | 0.1 | | |
| 11 | | | | | 0.1 | | |
| 12 | | | | | 0.1 | | Brown SAND, some fine Gravel and Silt. Dry. No odor. |
| 13 | | | 58 | | 0.1 | | |
| 14 | | | | | 0.1 | | |
| 15 | | | | | 0.1 | | |
| 16 | | | | | 0.1 | | |
| 17 | | | | | 0.1 | | 0-24": Brown SAND, some fine Gravel and Silt. Dry. No odor. |
| 18 | | | 48 | | 0.1 | | 24"-48": Brown SAND, little fine Gravel, trace Silt. Dry. No odor. |
| 19 | | | | | 0.1 | | |
| 20 | | | | | | | |
| 21 | | | | | 0.1 | | |
| 22 | | | | | 0.1 | | Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 23 | | | 50 | | 0.1 | | |
| 24 | | | | | 0.1 | | |
| 25 | | | | | 0.1 | | |
| 26 | | | | | 0.1 | | |
| 27 | | | | | 0.1 | | Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 28 | | | 60 | | 0.1 | | |
| 29 | | | | | 0.1 | | |
| 30 | | | | | 0.1 | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-06(1'-2') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0065

Boring No. **A-06**

Sheet **2** of **2**

| | | | |
|------------------|------------------------|--------------|--------------|
| Drilling Method: | Geoprobe | Drilling | |
| Sampling Method: | 8' and 2' sampler | Start | Finish |
| Driller: | Andrea and Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Sampler: | AKRF/Sarah Loppas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | | | |
| 32 | | | | | | | No sample collected. |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | 24 | | 0.2 | | Light brown SAND, little fine Gravel. Dry. No odor. |
| 37 | | | | | 0.2 | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | No sample collected. |
| 43 | | | | | | | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | 24 | | 0.3 | | Brown SAND, trace fine Gravel, Moist at 47'. No odor. |
| 47 | | | | | 0.3 | | |
| 48 | | | | | | | End of soil sampling at 47'. Advanced boring with hollow stem augers to 60' and installed well. |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | Bottom of hole 60'. |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Samples A-06(46'-47') and A-06(46'-47')MS/MSD were analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

80-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-07**

Sheet 1 of 4

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|------------------|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
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| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Rise

Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 No soil samples collected. This well forms a cluster with A-06 and A-08.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80036-0005

Boring No. **A-07**

Sheet **2** of **4**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller : | Jerry - ADT | Time: 07:30 | Time: 14:00 |
| Weather: | Cloudy, 60 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 31 | | | | | | | No soil samples collected. |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
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| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location (assumed using data from A-05) PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-07**

Sheet **3** of **4**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling: | |
| Sampling Method: | No samples collected | Start: | Finish: |
| Driller: | Jerry - ADT | Time: 07:35 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 61 | | | | | | | No soil samples collected. |
| 62 | | | | | | | |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
| 68 | | | | | | | |
| 69 | | | | | | | |
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| 88 | | | | | | | |
| 89 | | | | | | | |
| 90 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th FL New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80035-0005

Boring No. **A-07**

Sheet **4** of **4**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling: | |
| Sampling Method: | No samples collected | Start: | Finish: |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S, Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 91 | | | | | | | No soil samples collected. |
| 92 | | | | | | | |
| 93 | | | | | | | |
| 94 | | | | | | | |
| 95 | | | | | | | |
| 96 | | | | | | | |
| 97 | | | | | | | |
| 98 | | | | | | | |
| 99 | | | | | | | |
| 100 | | | | | | | |
| 101 | | | | | | | Bottom of hole 110'. |
| 102 | | | | | | | |
| 103 | | | | | | | |
| 104 | | | | | | | |
| 105 | | | | | | | |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
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| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

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116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80036-0005

Boring No. **A-08**

Sheet 1 of 3

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller: | Jerry - ADT | Time: 07:16 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 1 | | | | | | | No soil samples collected. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
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| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 No soil samples collected. This well forms a cluster with A-06 and A-07.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10018

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-08**

Sheet **2** of **3**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller : | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopes | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 31 | | | | | | | No soil samples collected. |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
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| 47 | | | | | | | |
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| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location (assumed from A-06) PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number: 80038-0005

Boring No. **A-08**

Sheet **3** of **3**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling: | |
| Sampling Method: | No samples collected | Start: | Finish: |
| Driller: | Jerry - ADT | Time: 07:30 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 61 | | | | | | | No soil samples collected. |
| 62 | | | | | | | |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
| 68 | | | | | | | |
| 69 | | | | | | | |
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| 81 | | | | | | | |
| 82 | | | | | | | |
| 83 | | | | | | | |
| 84 | | | | | | | |
| 85 | | | | | | | |
| 86 | | | | | | | Bottom of hole 85' |
| 87 | | | | | | | |
| 88 | | | | | | | |
| 89 | | | | | | | |
| 90 | | | | | | | |

Notes:

PID - Photoionization Detector

HSA - Hollow Stem Auger

ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

80-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. A-09

Sheet 1 of 2

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller : | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg.F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 1 | | | | | | | No soil samples collected. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
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| 14 | | | | | | | |
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| 19 | | | | | | | |
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| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 No soil samples collected. This well forms a cluster with A-10.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. A-09

Sheet 2 of 2

Drilling Method: Track-mounted hollow stem auger
 Sampling Method: No samples collected
 Driller: Jerry - ADT
 Weather: Cloudy, 50 Deg F.
 Observer: AKRF/S. Lopez

Start
 Time: 07:10
 Date: 4-4-03

Finish
 Time: 14:30
 Date: 4-4-03

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|--------------------|----------------------------|
| 31 | | | | | | | No soil samples collected. |
| 32 | | | | | | PVC Riser | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | |
| 43 | | | | | | Seal | |
| 44 | | | | | | | |
| 45 | | | | | | | |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | 10-slot PVC Screen | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | Sand Pack | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | Bottom of hole 60' |

Notes: Groundwater depth location (estimated from boring A-10) PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl, New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-10**

Sheet 1 of 2

| | | |
|------------------|------------------------|--------------|
| Drilling Method: | Geoprobe | Drilling |
| Sampling Method: | 3' and 2' sampler | Start |
| Driller : | Andrea and Jerry - ADT | Time: 11:45 |
| Weather: | Clear, 50 Deg F. | Date: 4-3-03 |
| Sampler: | AKRF/Sarah Lopas | Date: |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | X | ND | | 0-16": CONCRETE. |
| 2 | | | | | ND | | 16"-40": Brown SAND, some fine Gravel, little Silt. Dry. No odor. |
| 3 | | | 40 | | ND | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | 0.1 | | 0-40": Brown SAND and fine GRAVEL, little Silt. Dry. No odor. |
| 7 | | | | | 0.1 | | |
| 8 | | | 48 | | 0.1 | | 40"-48": CONCRETE. |
| 9 | | | | | 0.1 | | |
| 10 | | | | | | | |
| 11 | | | | | ND | | Brown SAND and fine GRAVEL, little Silt. Dry. No odor. |
| 12 | | | | | ND | | |
| 13 | | | 48 | | ND | | |
| 14 | | | | | ND | | |
| 15 | | | | | | | |
| 16 | | | | | ND | | Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 17 | | | | | ND | | |
| 18 | | | 40 | | ND | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | ND | | Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 22 | | | | | ND | | |
| 23 | | | 36 | | ND | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | ND | | 0-12": Brown SAND, some fine Gravel, trace Silt. Dry. No odor. |
| 27 | | | | | ND | | 12"-38": Brown SAND, Dry. No odor. |
| 28 | | | 38 | | ND | | |
| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-10(0-2') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-10**

Sheet **1** of **2**

| | | | |
|------------------|------------------------|-----------|---------|
| Drilling Method: | Geoprobe | Drilling: | |
| Sampling Method: | 5 and 2" sampler | Start: | Finish: |
| Driller : | Andrea and Jerry - ADT | Time: | 11:45 |
| Weather: | Clear, 50 Deg F. | Date: | 4-3-03 |
| Sampler: | AKRF/Sarah Lucas | Date: | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | 0.7 | | |
| 32 | | | | | 0.7 | | |
| 33 | | | 40 | | 0.7 | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | ND | | |
| 37 | | | | | ND | | Light brown SAND, little fine Gravel. Dry. No odor. Started discrete sampling at 35' |
| 38 | | | 60 | | ND | | |
| 39 | | | | | ND | | |
| 40 | | | | | ND | | |
| 41 | | | 24 | | ND | | Light brown SAND, trace fine Gravel. Dry. No odor. |
| 42 | | | | | ND | | |
| 43 | | | | | | | No sample collected. |
| 44 | | | | | | | |
| 45 | | | 24 | | ND | | Light brown fine-medium SAND. Moist at 12". No odor. |
| 46 | | | | | ND | | |
| 47 | | | | | | | End of soil sampling at 46'. Advanced boring with hollow stem augers to 60' and installed well. |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
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| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

Notes: Groundwater depth location PID - Photolionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-10(44'-46') was analyzed for TCL VOCs Method 8260.
 Boring advanced with a geoprobe rig; no blow counts taken.

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number: 86036-0005

Boring No. **A-11**

Sheet 1 of 4

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopes | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 1 | | | | | | | No soil samples collected. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
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| 29 | | | | | | | |
| 30 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
No soil samples collected. This well forms a cluster with A-12.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0065

Boring No. **A-11**

Sheet 2 of 4

Drilling Method: Track-mounted hollow stem auger

Sampling Method: No samples collected

Driller: Jerry - ADT

Weather: Cloudy, 60 Deg F.

Observer: AKRF/S. Lopes

Drilling

Start: Finish

Time: 07:10 Time: 14:00

Date: 4-4-03 Date: 4-4-03

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 31 | | | | | | | No soil samples collected. |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
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| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected (assumed using data from A-12)

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-11**

Sheet **3** of **4**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 11:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 61 | | | | | | | No soil samples collected. |
| 62 | | | | | | | |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
| 68 | | | | | | | |
| 69 | | | | | | | |
| 70 | | | | | | | |
| 71 | | | | | | | |
| 72 | | | | | | | |
| 73 | | | | | | | |
| 74 | | | | | | | |
| 75 | | | | | | | |
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| 79 | | | | | | | |
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| 82 | | | | | | | |
| 83 | | | | | | | |
| 84 | | | | | | | |
| 85 | | | | | | | |
| 86 | | | | | | | |
| 87 | | | | | | | |
| 88 | | | | | | | |
| 89 | | | | | | | |
| 90 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-11**

Sheet **4** of **4**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling: | |
| Sampling Method: | No samples collected | Start: | Finish: |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopes | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 91 | | | | | | | No soil samples collected. |
| 92 | | | | | | | |
| 93 | | | | | | | |
| 94 | | | | | | | |
| 95 | | | | | | | |
| 96 | | | | | | | |
| 97 | | | | | | | |
| 98 | | | | | | | |
| 99 | | | | | | | |
| 100 | | | | | | | |
| 101 | | | | | | | Bottom of hole 110'. |
| 102 | | | | | | | |
| 103 | | | | | | | |
| 104 | | | | | | | |
| 105 | | | | | | | |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 86038-0005

Boring No. **A-12**

Sheet **1** of **3**

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ADT | Time: 09:00 | Time: 13:30 |
| Weather: | Sunny, 55 Deg. F | Date: 3-26-03 | Date: 3-26-03 |
| Sampler: | AKRF/Amy Sivers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|--|
| 1 | | | | | | | |
| 2 | | | | | | | Hand dug and advanced with concrete bit to 2' through 6" ASPHALT then cuttings were GRAVEL (#2 stone) and ROCK PIECES with trace Sand and Silt. Cuttings are dry and have no odor. |
| 3 | | 16 | 20 | X | 0.8 | | 0-3": Black SAND, little Silt (appears coal-like). Dry. No odor. |
| 4 | | 12 | | | | | 3"-20": Orange SAND, little Silt, trace fine Gravel. Dry. No odor. |
| 5 | | 15 | | | | | |
| 6 | | 4 | 3 | | 1.2 | | Medium dense dark brown SAND, trace fine Gravel and Silt. Dry. No odor. Gravel stuck in sampling assembly. |
| 7 | | 8 | | | | | |
| 8 | | 12 | | | | | |
| 9 | | 19 | | | | | |
| 10 | | | | | | | |
| 11 | | 10 | 12 | | 0.8 | | 0-9": Brown SAND, little Silt, trace fine Gravel. Dry. No odor. |
| 12 | | 37 | | | | | 9"-12": Grey GRAVEL and SAND. Dry. No odor. Pieces of rock in sampling assembly. |
| 13 | | 42 | | | | | |
| 14 | | 40 | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | Augering through rock - do not attempt to collect sample. |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | 8 | 0 | | | | No recovery. |
| 20 | | 10 | | | | | |
| 21 | | 11 | | | | | |
| 22 | | 14 | | | | | |
| 23 | | | | | | | |
| 24 | | 9 | 15 | | 0.4 | | Medium dense brown, orange and white medium-coarse SAND, little fine Gravel. Dry. No odor. |
| 25 | | 12 | | | | | |
| 26 | | 14 | | | | | |
| 27 | | 24 | | | | | |
| 28 | | | | | | | |
| 29 | | 8 | 18 | | 0.7 | | Dense brown and white and orange SAND. Half-inch bands of brown/white/orange color. Dry. No odor. |
| 30 | | 12 | | | | | |
| | | 22 | | | | | |
| | | 22 | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
Sample A-12(2'-3') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

80-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0006

Boring No. **A-12**

Sheet **2** of **3**

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ACT | Time: 09:00 | Time: 13:30 |
| Weather: | Sunny, 55 Deg. F | Date: 3-26-03 | Date: 3-26-03 |
| Sampler: | AKRF/Amy Sivers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|--|
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | 9 | 18 | | 0.5 | | |
| 35 | | 26 | | | | | Dense brown and orange and white SAND, trace Gravel. Quarter-inch bands of brown/white/orange color. Dry. No odor. |
| 36 | | 16 | | | | | |
| 37 | | 28 | | | | | |
| 38 | | | | | | | |
| 39 | | 13 | 12 | | 1.3 | | |
| 40 | | 22 | | | | | Dense light brown SAND, trace Silt. Dry. No odor. |
| 41 | | 14 | | | | | |
| 42 | | 20 | | | | | |
| 43 | | 15 | | | | | |
| 44 | | 20 | 18 | X | 1 | | Dense light brown SAND, trace Silt. Wet at 44'. No odor. |
| 45 | | 15 | | | | | |
| 46 | | 20 | | | | | End of soil sampling at 45'. Advanced boring with hollow stem augers to 85' and installed well. |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
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| 59 | | | | | | | |
| 60 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
Sample A-12(43'-44') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0065

Boring No. **A-12**

Sheet **3** of **3**

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ADT | Time: 09:00 | Time: 13:30 |
| Weather: | Sunny, 55 Deg. F | Date: 3-26-03 | Date: 3-26-03 |
| Sampler: | AKRF/Amy Sivers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 61 | | | | | | | |
| 62 | | | | | | | End of soil sampling at 45'. Advanced boring with hollow stem augers to 85' and installed well. |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
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| 87 | | | | | | | |
| 88 | | | | | | | |
| 89 | | | | | | | |
| 90 | | | | | | | |

Notes: ▼ Groundwater depth location PID - Photolization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

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90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-13**

Sheet **1** of **3**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling: | |
| Sampling Method: | No samples collected | Start: | Finish: |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 11:00 |
| Weather: | Cloudy, 80 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|------------------|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
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| 30 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: No soil samples collected. PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80638-0005

Boring No. **A-11**

Sheet **2** of **3**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling: | |
| Sampling Method: | No samples collected | Start: | Finish: |
| Driller: | Jerry - ACT | Time: 07:30: | Time: 14:00: |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopat | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|------------------|
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
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| 38 | | | | | | | |
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| 51 | | | | | | | |
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| 59 | | | | | | | |
| 60 | | | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: ▼ Groundwater depth location (estimated) PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

80-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 89036-0005

Boring No. **A-13**

Sheet **3** of **3**

| | | | |
|------------------|---------------------------------|--------------|--------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller: | Jerry - ADT | Time: 07:10 | Time: 14:00 |
| Weather: | Cloudy, 50 Deg F. | Date: 4-4-03 | Date: 4-4-03 |
| Observer: | AKRF/S. Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 61 | | | | | | | No soil samples collected. |
| 62 | | | | | | | |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
| 68 | | | | | | | |
| 69 | | | | | | | |
| 70 | | | | | | | |
| 71 | | | | | | | |
| 72 | | | | | | | |
| 73 | | | | | | | |
| 74 | | | | | | | |
| 75 | | | | | | | |
| 76 | | | | | | | |
| 77 | | | | | | | |
| 78 | | | | | | | |
| 79 | | | | | | | |
| 80 | | | | | | | |
| 81 | | | | | | | |
| 82 | | | | | | | |
| 83 | | | | | | | |
| 84 | | | | | | | |
| 85 | | | | | | | |
| 86 | | | | | | | Bottom of hole 85'. |
| 87 | | | | | | | |
| 88 | | | | | | | |
| 89 | | | | | | | |
| 90 | | | | | | | |

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl, New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number: B0038-0005

Boring No. **A-14**

Sheet **1** of **2**

| | | | |
|------------------|--------------------|--------------|--------------|
| Drilling Method: | Hollow Stem Auger | Drilling: | |
| Sampling Method: | 2-foot Split Spoon | Start: | Finish: |
| Driller: | Chris - ADT | Time: 08:15 | Time: 13:30 |
| Weather: | Cloudy, 45 Deg. F | Date: 4-4-03 | Date: 4-4-03 |
| Sampler: | AKRF/Arny Siviers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | | | | Hand dug and advanced with concrete bit to 4'. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | 4 | 24 | X | 0.1 | | Medium dense orange-brown SAND, little Gravel and Silt and Clay. Moist. No odor. |
| 6 | | 4 | | | ND | | |
| 7 | | 6 | | | | | |
| 8 | | 15 | | | | | |
| 9 | | 8 | | | | | |
| 10 | | 33 | 24 | | ND | | Very dense orange-brown SAND, little fine Gravel (appears to be rock pieces broken up by spoon), trace Silt and Clay. Moist. No odor. |
| 11 | | 38 | | | ND | | |
| 12 | | 50/3 | | | | | |
| 13 | | 166 | 12 | | 0.5 | | Very dense brown SAND and fine GRAVEL. Dry. No odor. |
| 14 | | 35 | | | | | |
| 15 | | 50/5 | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | 6 | 18 | | ND | | Medium dense brown and orange-brown SAND, little fine Gravel. Wet. No odor. |
| 19 | | 6 | | | ND | | |
| 20 | | 7 | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | 9 | 20 | | ND | | Medium dense brown SAND, trace fine Gravel. Moist. No odor. |
| 24 | | 11 | | | | | |
| 25 | | 9 | | | | | |
| 26 | | 10 | | | ND | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | 5 | 24 | | ND | | Medium dense brown SAND, trace fine Gravel. Moist. No odor. |
| 30 | | 5 | | | ND | | |
| | | 6 | | | | | |
| | | 9 | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Samples A-14(4'-5') and A-B(4'-5') (duplicate sample) were analyzed for TCL VOCs Method 8260.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number: 80038-0005

Boring No. **A-14**

Sheet **2** of **2**

| | | | |
|------------------|--------------------|--------------|--------------|
| Drilling Method: | Hollow Stem Auger | Drilling: | |
| Sampling Method: | 2-foot Split Spoon | Start: | Finish: |
| Driller: | Chris - ADT | Time: 08:15 | Time: 13:30 |
| Weather: | Cloudy, 45 Deg. F | Date: 4-4-03 | Date: 4-4-03 |
| Sampler: | AKRF/Amy Sivers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description | |
|--------------|-----------|------------|-------------------|-----------------|-------------------|--|---|--|
| 31 | | | | | | | | |
| 32 | | | | | | | | |
| 33 | | 6 | 20 | | ND | Backfilled with screened soil cuttings | Medium dense brown SAND. Moist. No odor. | |
| 33 | | 7 | | | | | | |
| 33 | | 10 | | | | | | |
| 34 | | 5 | | | ND | | | |
| 35 | | | | | | | | |
| 36 | | | | | | | | |
| 37 | | | | | | Seal | | |
| 38 | | 11 | 24 | | ND | PVC Riser | Medium dense brown SAND. Moist. No odor. | |
| 38 | | 8 | | | | | | |
| 38 | | 7 | | | | | | |
| 39 | | 9 | | | ND | | | |
| 40 | | | | | | | | |
| 41 | | | | | | | | |
| 42 | | | | | | | | |
| 43 | | 6 | 24 | X | ND | 10-slot PVC Screen | Medium dense brown SAND. Moist at 42'-43'. Wet at 43'-44'. No odor. | |
| 43 | | 5 | | | | | | |
| 43 | | 6 | | | | | | |
| 44 | | 13 | | | ND | | | |
| 45 | | | | | | | | |
| 46 | | | | | | | | |
| 47 | | | | | | | | |
| 48 | | 7 | 24 | | 0.1 | Sand Pack | Medium dense brown SAND. Wet. No odor. | |
| 48 | | 4 | | | | | | |
| 48 | | 6 | | | | | | |
| 49 | | 8 | | | ND | | | |
| 50 | | | | | | | | |
| 51 | | | | | | | | |
| 52 | | | | | | | | |
| 53 | | | | | | | | |
| 54 | | | | | | | | |
| 55 | | | | | | | | |
| 56 | | | | | | | Bottom of boring 55'. | |
| 57 | | | | | | | | |
| 58 | | | | | | | | |
| 59 | | | | | | | | |
| 60 | | | | | | | | |

Notes: Stabilized groundwater depth PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-14(42'-43') was analyzed for TCL VOCs Method 8280.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80036-0005

Boring No. **A-15**

Sheet 1 of 2

| | | | |
|------------------|--------------------|--------------|--------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller : | Chris - ADT | Time: 08:30 | Time: 13:30 |
| Weather: | Sunny, 50 Deg. F | Date: 4-3-03 | Date: 4-3-03 |
| Sampler: | AKRF/Any Silvers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|--|
| 1 | | | | | | | Hand dug and advanced with concrete bit to 4'. Cuttings were dark brown SAND, some fine-medium Gravel, trace Silt. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | 11 | 24 | X | 0.1 | | 0-12": Dark brown medium-coarse SAND, some fine Gravel, trace Silt. Wet. No odor. |
| 6 | | 12 | | | 0.1 | | 12"-24": Orange-brown SAND, little fine Gravel, trace Silt. Wet. No odor. |
| 7 | | 36 | | | | | |
| 8 | | 16 | | | | | |
| 9 | | 50/3 | 2 | | ND | | Very dense dark brown SAND, some fine Gravel, trace Silt (SLOUGH). Moist. No odor. Refusal with split spoon at 7'8". |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | 5 | 6 | | ND | | Medium dense dark brown SAND, little fine Gravel, trace Silt. Moist. No odor. |
| 14 | | 9 | | | | | |
| 15 | | 7 | | | | | |
| 16 | | 6 | | | | | |
| 17 | | | | | | | |
| 18 | | 6 | 12 | | ND | | 0-6": Dark brown SAND, some fine Gravel, trace Silt (SLOUGH). Moist. No odor. |
| 19 | | 3 | | | | | 6"-12": Orange-brown medium-coarse SAND, little fine Gravel. Moist. No odor. |
| 20 | | 6 | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | 5 | 18 | | 0.1 | | Medium dense light brown SAND, little fine Gravel. Dry. No odor. |
| 24 | | 6 | | | 0.1 | | |
| 25 | | 7 | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | 12 | 18 | | ND | | Medium dense light brown SAND, trace fine Gravel. Dry. No odor. |
| 29 | | 11 | | | ND | | |
| 30 | | 15 | | | | | |

PVC Riser

Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-15(4'-5') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-15**

Sheet **2** of **2**

| | | | |
|------------------|--------------------|--------------|--------------|
| Drilling Method: | Hollow Stem Auger | Drilling: | |
| Sampling Method: | 2-foot Split Spoon | Start: | Finish: |
| Driller: | Chris - ADT | Time: 08:30 | Time: 13:30 |
| Weather: | Sunny, 60 Deg. F | Date: 4-3-03 | Date: 4-3-03 |
| Sampler: | AKRF/Amy Silvers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | 7 | 20 | | ND | | Dense light brown SAND, trace fine Gravel. Dry. No odor. |
| 34 | | 9 | | | ND | | |
| | | 21 | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | 13 | 20 | | ND | | Dense light brown medium-fine SAND. Dry. No odor. |
| 39 | | 14 | | | ND | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | |
| 43 | | 7 | 22 | | 0.1 | | Medium dense light brown medium SAND. Moist. No odor. |
| 44 | | 11 | | | 0.1 | | |
| | | 17 | | | | | |
| 45 | | | | | | | Groundwater apparent between 44' and 47' below grade. |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | | 10 | 20 | | 0.2 | | Medium dense dark brown SAND, little fine Gravel. Wet. No odor. |
| 49 | | 11 | | | 0.1 | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | Bottom of boring 55' |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-15(43'-44') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-16**

Sheet **1** of **2**

| | | | |
|------------------|--------------------|----------|-------------|
| Drilling Method: | Hollow Stem Auger | Driller: | Chris - ADT |
| Sampling Method: | 2-foot Split Spoon | Start: | Time: 08:30 |
| Driller: | Chris - ADT | Finish: | Time: 13:30 |
| Weather: | Sunny, 55 Deg. F | Date: | 3-28-03 |
| Sampler: | AKRF/Amy Silvers | Date: | 3-28-03 |

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | | | | Hand dug and advanced with concrete bit to 5'. 6" ASPHALT then cuttings were dark brown SAND, some fine Gravel, trace Silt. Moist. No odor. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | 4 | | | | | |
| 6 | | 5 | 18 | | ND | | 0-12": Brown SAND, some fine Gravel, trace Silt. Moist. No odor. 12"-18": Brown SAND, some fine Gravel, trace Silt and Clay. Moist. No odor. |
| 7 | | 6 | | | | | |
| 8 | | 6 | | | | | |
| 9 | | 7 | | | | | |
| 10 | | 22 | 18 | | ND | | 0-3": Brown SAND, some fine Gravel, trace Silt and Clay (SLOUGH). Moist. No odor. 3"-18": Orange-brown SAND, little fine Gravel, trace Silt. Moist. No odor. |
| 11 | | 20 | | | | | |
| 12 | | 15 | | | | | |
| 13 | | 14 | | | | | |
| 14 | | 17 | 8 | | ND | | Very dense dark brown SAND, little fine Gravel, trace Silt. Dry. No odor. Refusal with split spoon at 13' |
| 15 | | 50/0 | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | 11 | | | | | |
| 19 | | 7 | 12 | | ND | | 0-6": Dark brown SAND, little fine Gravel, trace Silt (SLOUGH). Dry. No odor. 6"-12": Brown and white SAND, trace fine Gravel. Dry. No odor. |
| 20 | | 10 | | | | | |
| 21 | | 9 | | | | | |
| 22 | | | | | | | |
| 23 | | 7 | | | | | |
| 24 | | 7 | 24 | | ND | | 0-12": Brown SAND, trace fine Gravel and Silt (SLOUGH). Moist. No odor. 12"-24": Brown and white medium-coarse SAND. No odor. |
| 25 | | 11 | | | | | |
| 26 | | 26 | | | | | |
| 27 | | | | | | | |
| 28 | | 9 | | | | | |
| 29 | | 11 | 14 | | ND | | Medium dense brown and white medium-coarse SAND. Dry. No odor. |
| 30 | | 18 | | | | | |
| | | 24 | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
Sample A-16(1'-2') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80036-0005

Boring No. **A-16**

Sheet **2** of **2**

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Start: | Finish: |
| Sampling Method: | 2-foot Split Spoon | Time: 08:30 | Time: 13:30 |
| Driller: | Chris - ADT | Date: 3-28-03 | Date: 3-28-03 |
| Weather: | Sunny, 56 Deg. F | | |
| Sampler: | AKRF/Any Silvers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | 7 | 12 | | ND | | Medium dense brown SAND. Dry. No odor. |
| 34 | | 14 | | | | | |
| 35 | | 10 | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | 15 | | | | | |
| 39 | | 7 | 12 | | ND | | Medium dense brown medium-coarse SAND. Dry. No odor. |
| 40 | | 7 | | | | | |
| 41 | | 6 | | | | | |
| 42 | | | | | | | |
| 43 | | 1 | | | | | |
| 44 | | 5 | 12 | | ND | | Medium dense brown medium-coarse SAND. Moist at 42', wet at 44'. No odor. |
| 45 | | 21 | | | | | |
| 46 | | 50/4 | | | | | |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

Notes: Stabilized groundwater depth PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected
 Sample A-16(42'-43') was analyzed for TCL VOCs Method 8260.

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number: 60938-0005

Boring No. **A-17**

Sheet 1 of 4

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ADT | Time: 13:30 | Time: 16:30 |
| Weather: | Sunny, 55 Deg. F | Date: 3-28-03 | Date: 3-28-03 |
| Sampler: | AKRF/Amy Silvers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 6 | | 6 | | | | | |
| 6 | | 7 | 18 | | ND | | 0-12": Brown SAND, some fine Gravel, trace Silt. Moist. No odor. |
| 7 | | 8 | | | | | 12"-18": Brown SAND, some fine Gravel, trace Silt and Clay. Moist. No odor. |
| 7 | | 9 | | | | | |
| 8 | | 10 | | | | | |
| 8 | | 15 | 18 | | ND | | 0-3": Brown SAND, some fine Gravel, trace Silt and Clay (SLOUGH). Moist. No odor. |
| 9 | | 15 | | | | | 3"-18": Orange-brown SAND, little fine Gravel, trace Silt. Moist. No odor. |
| 9 | | 18 | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | 13 | 8 | | ND | | Very dense dark brown SAND, little fine Gravel, trace Silt. Dry. No odor. |
| 14 | | 17 | | | | | |
| 14 | | 20 | | | | | |
| 14 | | 34 | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | 10 | | | | | |
| 18 | | 8 | 12 | | ND | | 0-6": Dark brown SAND, little fine Gravel, trace Silt (SLOUGH). Dry. No odor. |
| 19 | | 8 | | | | | 6"-12": Brown and white SAND, trace fine Gravel. Dry. No odor. |
| 19 | | 10 | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | 18 | | | | | |
| 23 | | 19 | 24 | | ND | | 0-12": Brown SAND, trace fine Gravel and Silt (SLOUGH). Moist. No odor. |
| 24 | | 31 | | | | | 12"-24": Brown and white medium-coarse SAND. . No odor. |
| 24 | | 20 | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | 7 | | | | | |
| 28 | | 15 | 14 | | ND | | Medium dense brown and white medium-coarse SAND. Dry. No odor. |
| 29 | | 16 | | | | | |
| 29 | | 22 | | | | | |
| 30 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-17**

Sheet **2** of **4**

Drilling Method: Hollow Stem Auger
 Sampling Method: 2-foot Split Spoon
 Driller: Chris - ADT
 Weather: Sunny, 65 Deg. F
 Sampler: AKRF/Amy Sivers

Drilling: _____
 Start: _____ Finish: _____
 Time: 13:30 Time: 16:30
 Date: 3-28-03 Date: 3-28-03

| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|---------------|-------------------|-----------------|-------------------|-----------|--|
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | 5 10 20 | 12 | | ND | | Medium dense brown SAND. Dry. No odor. |
| 34 | | 9 | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | 20 8 10 | 12 | | ND | | Medium dense brown medium-coarse SAND. Dry. No odor. |
| 39 | | 10 | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | |
| 43 | | 3 15 17 | 12 | | ND | | Medium dense brown medium-coarse SAND. Moist at 42', wet at 44'. No odor. |
| 44 | | 24 | | | | | |
| 45 | | | | | | | End of soil sampling at 44'. Advanced boring with hollow stem augers to 110' and installed well. |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Stabilized groundwater depth PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 60036-0005

Boring No. **A-17**

Sheet 3 of 4

| | | | |
|------------------|---------------------------------|---------------|---------------|
| Drilling Method: | Track-mounted hollow stem auger | Drilling | |
| Sampling Method: | No samples collected | Start | Finish |
| Driller: | Jerry - ADT | Time: 13:30 | Time: 16:30 |
| Weather: | Cloudy, 50 Deg F. | Date: 3-28-03 | Date: 3-28-03 |
| Observer: | AKRF/IG, Lopas | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 61 | | | | | | | No soil samples collected. |
| 62 | | | | | | | |
| 63 | | | | | | | |
| 64 | | | | | | | |
| 65 | | | | | | | |
| 66 | | | | | | | |
| 67 | | | | | | | |
| 68 | | | | | | | |
| 69 | | | | | | | |
| 70 | | | | | | | |
| 71 | | | | | | | |
| 72 | | | | | | | |
| 73 | | | | | | | |
| 74 | | | | | | | |
| 75 | | | | | | | |
| 76 | | | | | | | |
| 77 | | | | | | | |
| 78 | | | | | | | |
| 79 | | | | | | | |
| 80 | | | | | | | |
| 81 | | | | | | | |
| 82 | | | | | | | |
| 83 | | | | | | | |
| 84 | | | | | | | |
| 85 | | | | | | | |
| 86 | | | | | | | |
| 87 | | | | | | | |
| 88 | | | | | | | |
| 89 | | | | | | | |
| 90 | | | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

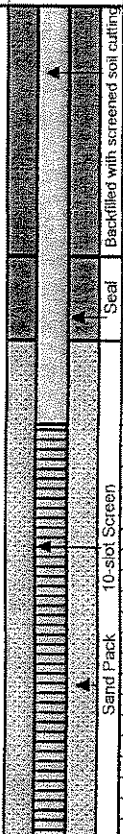
AKRF Project Number : 80038-0005

Boring No. **A-17**

Sheet **4** of **4**

| | | | |
|------------------|---------------------------------|---------------|---------------|
| Drilling Method: | Track-mounted hollow stem auger | Start: | Finish: |
| Sampling Method: | No samples collected | Time: 13:30 | Time: 10:30 |
| Driller: | Jerry - ADT | Date: 3-28-03 | Date: 3-28-03 |
| Weather: | Cloudy, 50 Deg F. | | |
| Observer: | AKRF/S. Lopez | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|----------------------------|
| 91 | | | | | | | No soil samples collected. |
| 92 | | | | | | | |
| 93 | | | | | | | |
| 94 | | | | | | | |
| 95 | | | | | | | |
| 96 | | | | | | | |
| 97 | | | | | | | |
| 98 | | | | | | | |
| 99 | | | | | | | |
| 100 | | | | | | | |
| 101 | | | | | | | Bottom of hole 110' |
| 102 | | | | | | | |
| 103 | | | | | | | |
| 104 | | | | | | | |
| 105 | | | | | | | |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |



Notes:

PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-18**

Sheet 1 of 2

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling: | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ADT | Time: 8:30 | Time: 11:30 |
| Weather: | Sunny, 55 Deg. F | Date: 3-28-03 | Date: 3-28-03 |
| Sampler: | AKRF/Amy Sivers | | |

| Depth (feet) | Soil Type | Blow Count | Recovery (inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 1 | | | | | | | Hand dug to 5' below grade. The cuttings were dark brown Silty SAND and Sandy SILT, some fine Gravel. Damp No odor. |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | 5 | | | | | |
| 6 | | 2 | 18 | | ND | | Brown SAND, some fine Gravel, trace Silt. Moist. No odor. |
| 7 | | 8 | | | | | |
| 8 | | 2 | 18 | | ND | | Orange-brown SAND, little fine Gravel, trace Silt. Moist. No odor. |
| 9 | | 19 | | | | | |
| 10 | | 21 | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | 9 | 8 | | ND | | Brown SAND, little fine Gravel, trace Silt. Dry. No odor. |
| 14 | | 20 | | | | | |
| 15 | | 21 | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | 5 | 12 | | ND | | Dark brown SAND, little fine Gravel, trace Silt (SLOUGH). Dry. No odor. |
| 19 | | 6 | | | | | |
| 20 | | 20 | | | | | |
| 21 | | 21 | | | | | |
| 22 | | | | | | | |
| 23 | | 7 | 24 | | ND | | Brown and white medium-coarse SAND. No odor. |
| 24 | | 12 | | | ND | | |
| 25 | | 20 | | | | | |
| 26 | | 12 | | | | | |
| 27 | | | | | | | |
| 28 | | 9 | 14 | | ND | | Medium dense brown and white medium-coarse SAND. Dry. No odor. |
| 29 | | 8 | | | | | |
| 30 | | 19 | | | | | |
| | | 25 | | | | | |

PVC Riser
Backfilled with screened soil cuttings

Notes: Groundwater depth location PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

AKRF, Inc.

Environmental Consultants

116 East 27th Street, 7th Fl. New York, NY 10016

90-30 Metropolitan Avenue, Queens, NY

AKRF Project Number : 80038-0005

Boring No. **A-18**

Sheet **2** of **2**

| | | | |
|------------------|--------------------|---------------|---------------|
| Drilling Method: | Hollow Stem Auger | Drilling | |
| Sampling Method: | 2-foot Split Spoon | Start | Finish |
| Driller: | Chris - ADT | Time: 8:30 | Time: 11:30 |
| Weather: | Sunny, 55 Deg. F | Date: 3-28-03 | Date: 3-28-03 |
| Sampler: | AKRF/Amy Sivert | | |

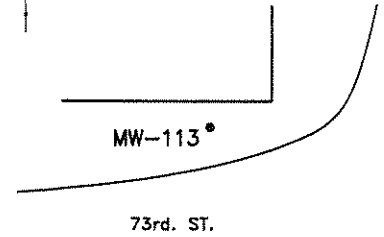
| Depth (feet) | Soil Type | Blow Count | Recovery (Inches) | Sample Location | PID Reading (ppm) | Well Data | Soil Description |
|--------------|-----------|------------|-------------------|-----------------|-------------------|-----------|---|
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | 8 | 12 | | ND | | Medium dense brown SAND. Dry. No odor. |
| 34 | | 9 | | | | | |
| | | 20 | | | | | |
| | | 17 | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | 13 | 12 | | ND | | Medium dense brown medium-coarse SAND. Dry. No odor. |
| 39 | | 12 | | | | | |
| | | 15 | | | | | |
| | | 19 | | | | | |
| 40 | | | | | | | |
| 41 | | | | | | | |
| 42 | | | | | | | |
| 43 | | 10 | 12 | X | ND | | Medium dense brown medium-coarse SAND. Moist at 42', wet at 44'. No odor. |
| 44 | | 2 | | | | | |
| | | 13 | | | | | |
| | | 35 | | | | | |
| 45 | | | | | | | End of soil sampling at 44'. Advanced boring with hollow stem augers to 52' and installed well. |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | Bottom of hole 52' |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |
| 59 | | | | | | | |
| 60 | | | | | | | |

Notes: Stabilized groundwater depth PID - Photoionization Detector HSA - Hollow Stem Auger ND - Not Detected

FPM GROUP

Rankonkoma, New York

SKETCH MAP



CLIENT DPSW PROJECT _____
 LOCATION 90-30 METROPOLITAN AVE., FOREST HILLS, NY
 WELL No. MW-113 TOTAL DEPTH 131' DIAMETER 6 1/4" OD
 SURFACE ELEV. --- WATER LEVEL INITIAL --- 24-hrs ---
 SCREEN DIA. 2" LENGTH 10' SLOT SIZE 20
 CASING DIA. 2" LENGTH 121' TYPE FJPVC
 DRILLING COMP. F&N DRILLING METHOD HSR
 DRILLER C LOG BY B.C. DATE DRILLED 5/26-6/1

| DEPTH (FEET) | SAMPLE NUMBER | WELL CONSTRUCTION | GRAPHIC LOG | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES) |
|--------------|---------------|-------------------|-------------|--|
| 0-10 | | | CUTTINGS | 0-50' BRN-TAN M-F SAND. NO ODOR/STAIN. (CUTTINGS) |
| 10-20 | | | CUTTINGS | 50-52 15/9/8/10 NO RECOVERY. |
| 20-30 | | | CUTTINGS | 55-57 3/5/8/25 TAN M-F SAND. TR. GRAVEL 1' RECOVERY. NO O/S. |
| 30-40 | | | CUTTINGS | 60-62 12/13/12/15 SAA. |
| 40-50 | | | CUTTINGS | 65-68 COBBLE ZONE. NO RECOVERY. REFUSAL. |
| 50-60 | | | CUTTINGS | 70-72 HOLE MOVED. 20/18/12/12 1.5' RECOVERY. TAN M-F SAND. TR. GRAVEL. NO O/S. |
| 60-70 | | | CUTTINGS | 75-77 18/25/12/16 3" RECOVERY. TAN CAP SAND. NO O/S. |
| 70-80 | | | CUTTINGS | 80-82 2/1/1/12 1.5' RECOVERY SAA |
| 80-90 | | | CUTTINGS | 85-87 - 1.5' RECOVERY. TAN M SAND. NO O/S. |
| 90-100 | | | CUTTINGS | 90-92 14/15/10/8 1.5' RECOVERY. TAN C-M SAND. NO O/S. |
| 100-110 | | | CUTTINGS | 95-97 14/16/14/10 SAA. |
| 110-120 | | | CUTTINGS | 100-102 20/10/5/12 NO RECOVERY. |
| 120-130 | | | CUTTINGS | 105-107 - 1' RECOVERY. TAN M.F. SAND NO O/S. |
| | | | CUTTINGS | 110-112 10/12/46/25 1.5' RECOVERY. NO O/S. BRN.-TAN M-F SAND W/ LITTLE FINE GRAVEL. |
| | | | CUTTINGS | 115-117 20/14/5/5 SAA. |
| | | | CUTTINGS | 120-122 22/54/45/46 2' RECOVERY. NO O/S. BRN.-TAN M-C SAND W/ LITTLE FINE GRAVEL. |
| | | | CUTTINGS | 125-127 3/2/3/20 1.5' RECOVERY. NO O/S. TOP 1' SAA. BOTTOM 6' BRN. SILTY SAND. |
| | | | CUTTINGS | 130-132 6/10/30/48 2' RECOVERY. BRN.-GRAY M. SAND. |
| | | | CUTTINGS | 133' GRAY CLAYEY SILT ON CUTTING HEAD. |

Well Sampling Form
90-30 Metropolitan Avenue Site
Rego Park, Queens, New York

Well No.: _____ Well Diameter: _____

Date: _____ Start Time: _____

Weather: _____ Finish Time: _____

Sampled By (full name and affiliation): _____

Depth to Bottom of Well: _____ Feet.

Depth to Water: _____ Feet.

Height of Water Column: _____ Feet.

Water Volume in Casing: _____ Gallons.

Water Volume to be Purged: _____ Gallons.

Water Volume Actually Purged: _____ Gallons.

Purge Method: _____

Physical Appearance/Comments: _____

FIELD MEASUREMENTS:

| Time | Gallons | pH | Cond. (uS) | Temp. (°F) | Turbidity (NTU) |
|-------------|----------------|-----------|-------------------|-------------------|------------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Sampling and Analytical Methods: _____

Laboratory Name and Location: _____

Condition of Well: _____

Condition of Surface Completion: _____

Recommended Repairs/Maintenance: _____

Well Maintenance Form
90-30 Metropolitan Avenue Site
Rego Park, Queens, New York

Well No.: _____

Nature of Maintenance: _____

Name and Affiliation of Maintenance Personnel: _____

Describe Maintenance in detail: _____

Additional Comments: _____

Attach all supporting documentation including location of maintenance work, digital photographs, sketches, invoices, equipment instructions, manuals, etc.