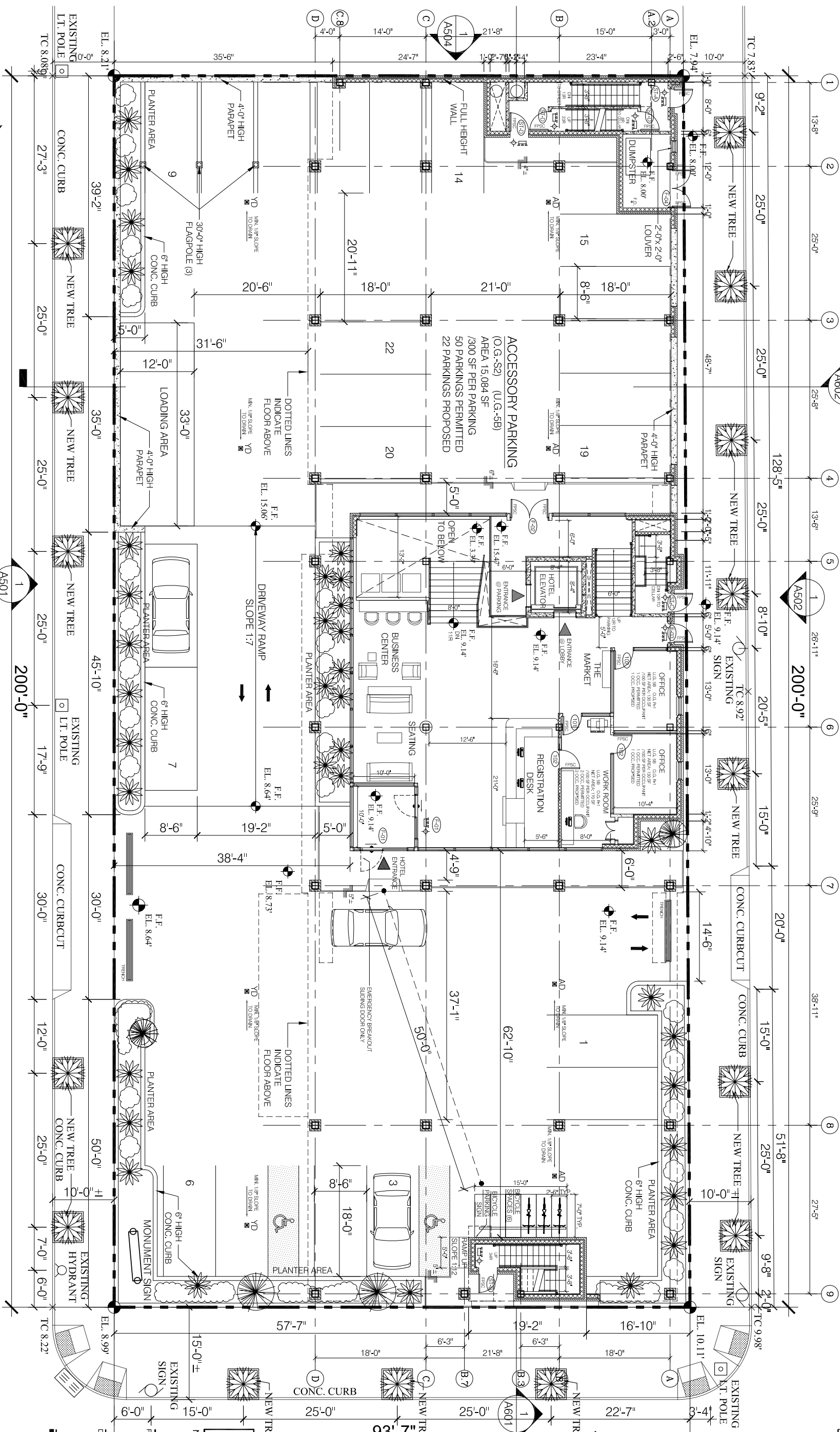


APPENDIX A

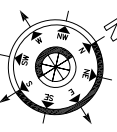
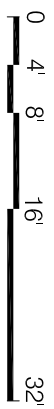
PROPOSED ARCHITECTURAL PLANS

No.	DATE	DESCRIPTION



EAST 135TH STREET (WIDE)

EAST 136TH STREET (50' WIDE)



THIRD AVENUE (WIDE)

PROJECT:
COMFORT INN & SUITE
2477 THIRD AVENUE
BRONX, NY

DRAWING TITLE:
1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"

N.Y.C. DOB NO. :
220041684

NOTE: THIS IS A SCHEMATIC DESIGN & SHALL BE SUBJECT TO REVIEW & INTERPRETATION BY NYC DEPT. OF BLDGS ON ZONING AND BUILDING CODES.

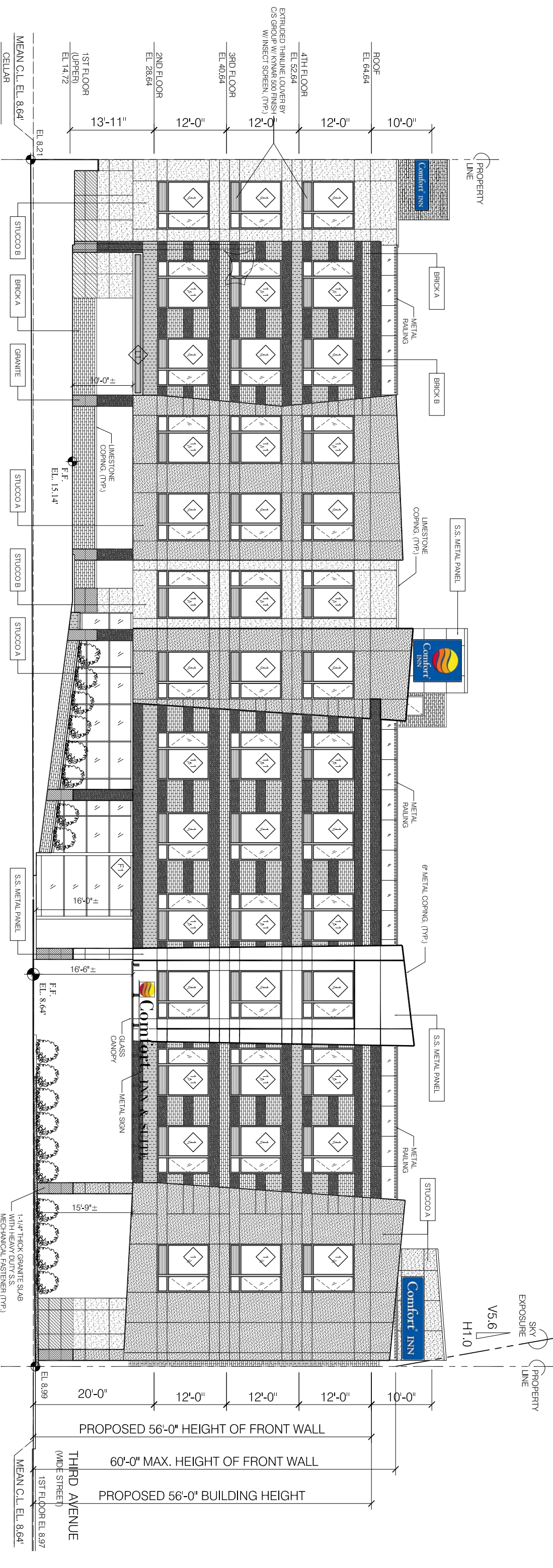
SEAL & SIGNATURE:

RAYMOND C. HANSEN
ARCHITECT

136-40 37TH AVENUE
FLUSHING, NEW YORK 11354
Tel: (718) 445-2345 Fax: (718) 358-8899
Email: info@raymondhanarchitect.com
Web: www.raymondhanarchitect.com

DATE: 07/22/2010 DWG. No.:
PROJECT NO.: 2846
PROJECT MANAGER: RCH
DRAWN BY: A-102.00
CADD FILE NO.: 09-OF-23
DATE PLOTTED: 08/08/2010

No.	DATE	DESCRIPTION



MATERIAL LEGEND
RECOMMENDED COLOR APPLICATIONS BY
COMFORT INN & SUITE - (COASTAL SCHEME)

	BRICK, COLOR A (SAND DUNE SW6086)
	BRICK, COLOR B (TRUSTY TAN SW6087)
	STUCCO, COLOR A (PEARLY WHITE SW7009)
	STUCCO, COLOR B
	POLISHED S.S. METAL COMPOSITE PANEL
	GRANITE
	GLASS

NOTE: THIS IS A SCHEMATIC DESIGN & SHALL BE SUBJECT TO REVIEW & INTERPRETATION BY NYC DEPT. OF BLDGS. ON ZONING AND BUILDING CODES.
N.Y.C. D.O.B. NO. : **220041684**

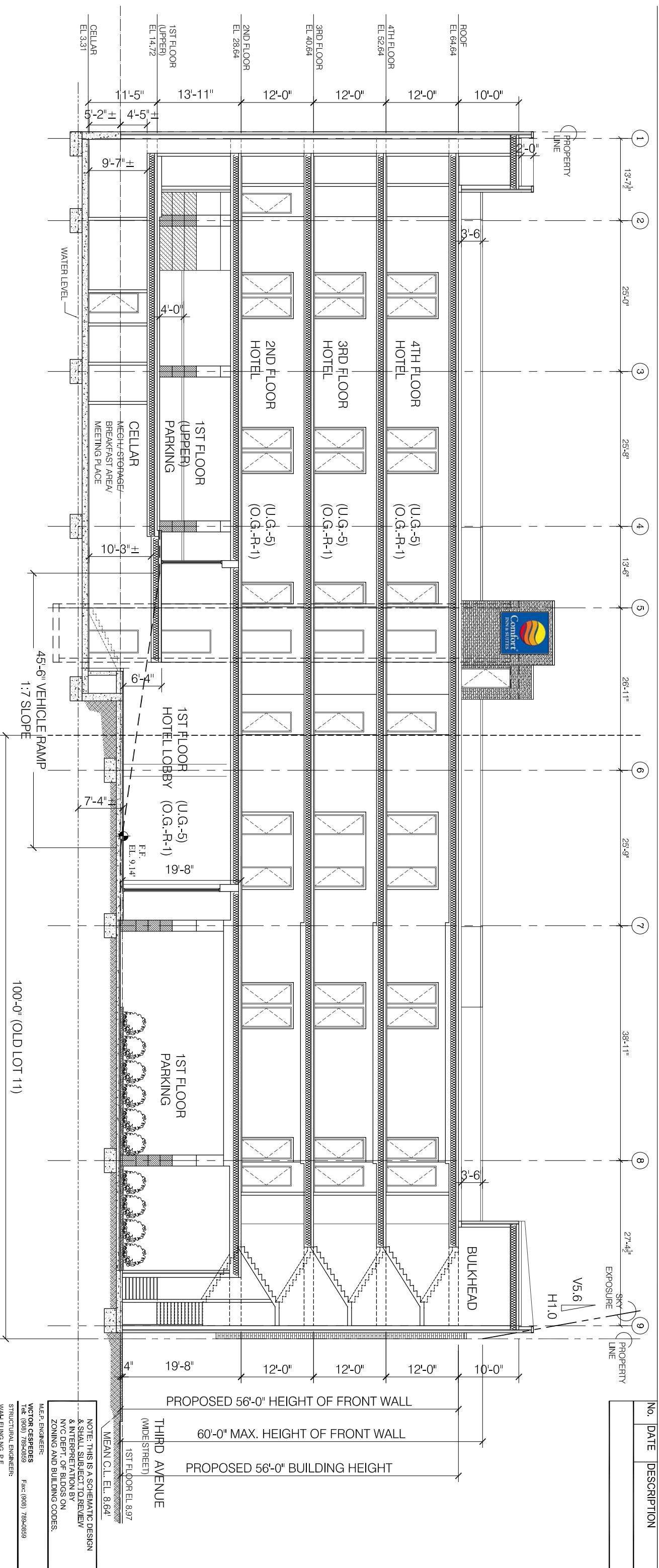
PROJECT: **COMFORT INN & SUITE**
2477 THIRD AVENUE
BRONX, NY
DRAWING TITLE: **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"

SEAL & SIGNATURE:



ARCHITECTS + PLANNERS
RAYMOND C. ARCHITECTS
139-40 37TH AVENUE
FLUSHING, NEW YORK 11354
Tel: (718) 445-2345 Fax: (718) 358-8809
Email: info@raymondcharchitect.com
Web: www.raymondcharchitect.com
DATE: 07/22/2010 DWG. No.:
PROJECT No.: 2846
PROJECT MANAGER: RCK
DRAWN BY:
A-501.00
13-OF-23
CADD FILE NO.:
2477 THIRD AVENUE (2846)
DATE: 08/08/2010

No.	DATE	DESCRIPTION



100'-0" (OLD LOT 11)

MEAN CURB LEVEL CALCULATION

- MEAN CURB LEVEL AT EAST 135TH STREET
8.08 + 8.22 / 2 = 8.15
 - MEAN CURB LEVEL AT 3RD AVENUE
8.49 + 9.74 / 2 = 9.12
 - MEAN CURB LEVEL AT EAST 136TH STREET
9.98 + 7.83 / 2 = 8.91
- $$[A+B/2 \times a] + [B+C/2 \times b] + [C+D/2 \times c] = a + b + c$$
- $$[8.15 \times 200] + [9.12 \times 93.57] + [8.91 \times 200] = 200 + 93.57 + 200$$
- $$1630 + 853.36 + 1782 = 8.64'$$

NOTE: THIS IS A SCHEMATIC DESIGN & SHALL SUBJECT TO REVIEW BY NYC DEPT. OF BLDGS. ON ZONING AND BUILDING CODES.

M.E.P. ENGINEER:
VICTOR CESPEDES
Tel: (908) 789-0859 Fax: (908) 789-0859
STRUCTURAL ENGINEER:
WALUENING P.E.
Tel: (917) 516-5236 Fax: (718) 854-0016

N.Y.C. D.O.B. NO. :
220041684

PROJECT:
COMFORT INN & SUITE
2477 THIRD AVENUE
BRONX, NY

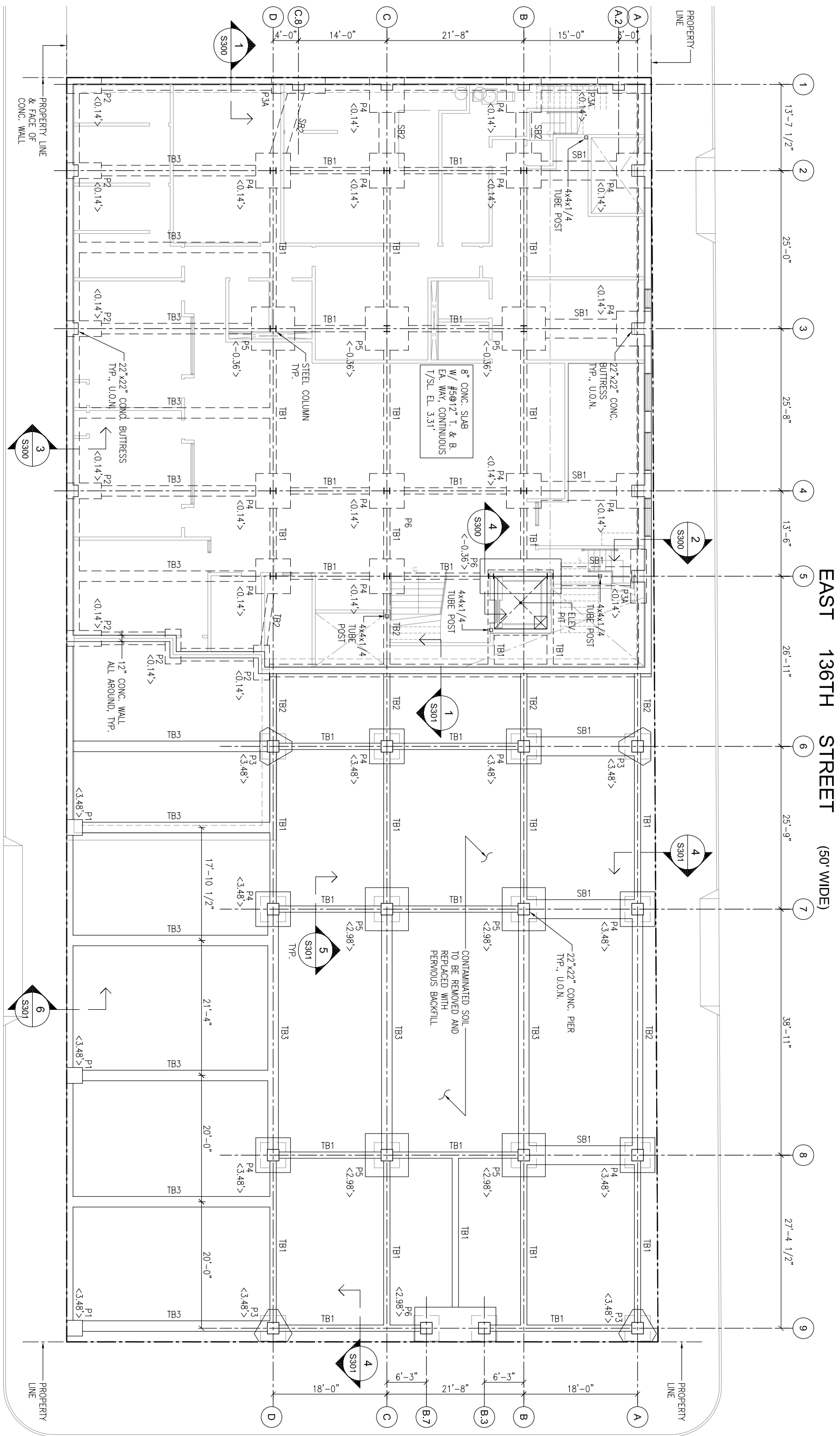
DRAWING TITLE:
BUILDING SECTION
SCALE : 1/8" = 1'-0"



ARCHITECTS • PLANNERS
RAYMOND CHAMBERS ARCHITECT
139-40 37TH AVENUE FLSHING, NEW YORK 11354
Tel: (718) 445-2345 Fax: (718) 358-8099
Email: info@raymondchambersarchitect.com
Web: www.raymondchambersarchitect.com

DATE: 09/07/2010 DWG. No.:
PROJECT NO.: 2846
PROJECT MANAGER: RCK
DRAWN BY:
CADD FILE NO.:
17-OF-31
2477 THIRD AVENUE (2946)
DOB: RCK

No.	DATE	DESCRIPTION
PROGRESS SET,		NOT FOR CONSTRUCTION
	JUL. 23, 2010	

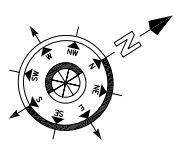


EAST 135TH STREET (WIDE) CELLAR PLAN

NOTES:

1. ALL PILES SHALL BE 10" ROUND STEEL PIPES (GRADE A36) OF 60-TON CAPACITY (MIN.) FILL ALL PIPES WITH 4000 PSI CONCRETE AND PROVIDE 1-#11 x 20'-0" REBAR @ TOP OF PILE, TYP.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT (WITH TYPE II CEMENT) HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS REBARS FOR PILE CAPS, GRADE BEAMS, AND DOWELS SHALL BE GRADE 60, EPOXY COATED REBARS CONFORMING TO ASTM-A775.
3. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE DWG. S200 TO S204.
4. FOR PILE CAPS DETAILS, SEE DWG. S201.
5. FOR PILING INFORMATION, CONSULT WITH GEOTECHNICAL ENGINEER AND SEE GENERAL NOTES ON DWG. S200.

SCALE: 1/8" = 1'-0"



PROJECT NOTES:

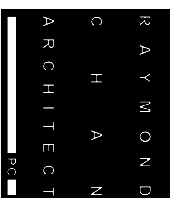
1. CONTRACTOR MUST SUBMIT THE FOLLOWING SHOP DWGS. TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL. THE ENGINEER OF RECORD WILL NOT BE HELD RESPONSIBLE FOR THE STRUCTURAL INTEGRITY AND STABILITY OF THE BUILDING IF THE OWNER/CONTRACTOR CHOOSES TO PLACE REBARS, POUR CONCRETE AND ERECT STRUCTURAL STEEL PRIOR TO SHOP DWGS. APPROVAL.
 - A. FOUNDATION REBARS DWGS.
 - B. STRUCTURAL STEEL (INCLUDING JOB STANDARDS).
 - C. STEEL DECK.
 - D. CONCRETE MIXES.
2. EXCAVATION SHORING SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY. CONTRACTOR SHALL HIRE A NYS LICENSED ENGINEER TO DESIGN THE SHORING SYSTEM AND PREPARE NECESSARY DWGS. ALL FOUNDATION LOADS, SOIL PRESSURES - STATIC AND SEISMIC, ADJACENT BUILDING LOADS AND SURCHARGES SHALL BE CONSIDERED WHEN DESIGNING THE SHORING SYSTEM.
3. PRIOR TO START OF CONSTRUCTION WORK, THE OWNER/ CONTRACTORS SHALL FULLY COORDINATE WITH ALL TRADES, ARCHITECTURAL, STRUCTURAL, MEP AND ELEVATOR. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO ATTENTION OF THE DESIGN TEAM IMMEDIATELY.

THIRD AVENUE (WIDE)

WAL-LEUNG NG, P.E.
Structural Engineer
866 52nd Street, Brooklyn, NY 11220 Fax: (718) 864-0016
Tel: (917) 518-4236

N.Y.C. D.O.B. NO. :
220041684
PROJECT: **COMFORT INN & SUITE**
2477 THIRD AVENUE
BRONX, NY
DRAWING TITLE: **CELLAR PLAN**

SEAL & SIGNATURE:



ARCHITECTS • PLANNERS
136-40 37TH AVENUE
Tel: (718) 445-2345
Email: info@ronandshane.com
www.ironandshane.com
PROJECT NO.: 05282010
PROJECT MANAGER: RN
DATE: 05/28/2010
DWG. No.:
DRAWN BY:
CHECKED BY:
CADD FILE NO.:
2477 THIRD AVENUE (2946)
S-101.00

APPENDIX B
SOIL GAS SAMPLING LOGS

Job No: 11160 **Client:** JITEN
Project Location: 2477 Third Ave **Sampled By:** Ek
Date: 06/02/10

Sample ID: SG-104 **Flow ID:** 0267
Can ID: 836

Purging

Time Started: 1401
Time Stopped: 1404
Vol. Purged: 1 Liters
Flow Rate: 1/3 L/min

Laboratory Sample (Summa Canister)

Time Started: 1404 **Vacuum:** -27.0 inHg
Time Stopped: 1419 **Vacuum:** -5.5 inHg

Field Sample

PID Calibration: 06/02/10 99.4 ppm w/GAS, 0.0 ppm w/o GAS
Time Started: _____
Time Stopped: _____
PID Reading: 12.6 ppm
He Reading: 0.0 ppm

Job No: 17160 **Client:** JITEN
Project Location: 2477 Third Ave **Sampled By:** EK
Date: 06/02/10

Sample ID: SG-102 **Flow ID:** 0303
Can ID: 676

Purging

Time Started: 1317
Time Stopped: 1320
Vol. Purged: 1 Liters
Flow Rate: 1/3 L/min

Laboratory Sample (Summa Canister)

Time Started: 1320 **Vacuum:** -29.0 inHg
Time Stopped: 1343 **Vacuum:** -6.5 inHg

Field Sample

PID Calibration: 06/02/10 99.4ppm_{CH4}, 0.0ppm_{% GAS}
Time Started: _____
Time Stopped: _____
PID Reading: 15.9 ppm
He Reading: 0.0 ppm

Job No: 11160 Client: AKRF - S1TEN
Project Location: 2477 Third Ave Sampled By: EK
Date: 06/02/10

Sample ID: SG-103 Flow ID: 0059
Can ID: 812

Purging

Time Started: 1140
Time Stopped: 1143
Vol. Purged: 1 Liters
Flow Rate: 1/3 L/min

Laboratory Sample (Summa Canister)

Time Started: 1149 Vacuum: -25.0 inHg
Time Stopped: 1204 Vacuum: -6.7 inHg

Field Sample

PID Calibration: 06/02/10 99.4 ppm w/GAS, 0.0 ppm w/o GAS
Time Started: _____
Time Stopped: _____
PID Reading: 5.0 ppm
He Reading: 0.0 ppm

Job No: 11160 Client: JITEN
 Project Location: 2477 Third Ave Sampled By: Ek
 Date: 06/02/10

Sample ID: SG-104 Flow ID: 0049
 Can ID: 1499

Purging

	①	②
Time Started:	<u>1218</u>	<u>1235</u>
Time Stopped:	<u>1221</u>	<u>1238</u>
Vol. Purged:	<u>1</u> Liters	<u>1</u>
Flow Rate:	<u>1/3</u> L/min	<u>1/3</u>
	<u>2.2% He refreshed seal</u>	

Laboratory Sample (Summa Canister)

Time Started: 1245 Vacuum: -30.0 inHg
 Time Stopped: 1300 Vacuum: -8.2 inHg

Field Sample

PID Calibration: 06/02/10 99.4 ppm w/GAS, 0.0 ppm w/GAS
 Time Started: _____
 Time Stopped: ① _____ ② _____
 PID Reading: 1.5 ppm 5.5
 He Reading: 3,045 ppm 0.0

Job No: 11160 **Client:** JITEN
Project Location: 2477 Third Ave **Sampled By:** EK
Date: 06/02/10

Sample ID: SG-105 **Flow ID:** 0067
Can ID: 720

Purging

Time Started: 1438
Time Stopped: 1441
Vol. Purged: 1 Liters
Flow Rate: 1/3 L/min

Laboratory Sample (Summa Canister)

Time Started: 1441 **Vacuum:** -27.2 inHg
Time Stopped: 1502 **Vacuum:** -18.0 inHg

Field Sample

PID Calibration: 06/02/10 29.4 ppm w/GAS, 0.0 ppm w/o GAS
Time Started: _____
Time Stopped: _____
PID Reading: 12.2 ppm
He Reading: 0.0 ppm

Job No: 11160 **Client:** JITEN
Project Location: 2477 Third Ave **Sampled By:** EK
Date: 06/02/10

Sample ID: TRIP **Flow ID:** 0158
Can ID: 891

Purging

Time Started: X
Time Stopped: X
Vol. Purged: X Liters
Flow Rate: X L/min


Laboratory Sample (Summa Canister)


Time Started: X **Vacuum:** X inHg
Time Stopped: X **Vacuum:** X inHg


Field Sample


PID Calibration: X
Time Started: X
Time Stopped: X
PID Reading: X ppm
He Reading: X ppm

APPENDIX C
SOIL BORING LOGS


SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. Sheet 1 of 4		SB/MW-101		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller : ADT Sampler: AKRF/EK		Drilling Start Time 10:25 AM Finish Time 10:20 PM Date: 5/26/2010 Weather: Sunny, clear, 75°F				
			Depth (feet) Recovery (Inches) Soil Type	Surface Condition: ASPHALT		Odor	Moisture	PID	NAPL
1			Hand-cleared to 4'.	None	None	ND	None	SB-101 (0-4)	
2			Dark brown/gray SAND and SILT, little fine Gravel, rock and asphalt (FILL).	None	None	ND	None	SB-101 (2.5)	
3									
4									
5	24"		Red-brown SAND, some Silt, trace fine Gravel (FILL).	None	None	ND	None		
6									
7	9"		Red-brown SAND, some Silt, trace fine Gravel.	None	None	ND	None		
8									
9	21"		Top 12": Gray SAND, some Silt.	None	Wet	ND	None	SB-101 (6-9)	
10			Bottom 9": Red-brown SAND, some Silt, trace fine Gravel.	None	None	ND	None	SB-101 (8.5)	
14	9"		Top 2": Gray SAND and SILT.	None	Wet	ND	None		
15			Bottom 7": Red-brown SAND, some Silt, trace fine Gravel.	None	Wet	ND	None		
19	23"		Gray SAND, some Silt.	None	Wet	ND	None		
20									
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Groundwater encountered at 9' below grade.									


SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. Sheet 2 of 4		SB/MW-101		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller : ADT Sampler: AKRF/EK		Drilling Start Time 10:25 AM Finish Time 10:20 PM Date: 5/26/2010 Weather: Sunny, clear, 75°F				
			Depth (feet) Recovery (Inches) Soil Type	Surface Condition: ASPHALT		Odor	Moisture	PID	NAPL
24 25	24"		Top 12": Red-gray SAND, little Silt and Gravel. Bottom 12": Gray SAND and SILT.	None None	Wet Wet	ND ND	None None		
29 30	2"		Red and gray SAND and GRAVEL.	None	Wet	ND	None		
39 40	12"		Gray SAND, little Silt, little Gravel.	None	Wet	ND	None		
49 50	11"		Gray SAND and SILT, little Gravel.	None	Wet	ND	None		
59 60	13"		Gray, fine SAND and SILT, little Sand and Gravel.						
69 70	13"		Gray SILT and SAND, little Gravel.	None	Wet	ND	None		
Notes: ND = Not Detected. PID = Photoionization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Samples collected @ 10' after 29' . Groundwater encountered at 9' below grade.									


SOIL BORING LOG			2477 Third Avenue		Boring No.		SB/MW-101		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			AKRF Project Number: 11160		Sheet 3 of 4				
			Drilling Method: HSA Sampling Method: Split spoon sampler Driller: ADT Sampler: AKRF/EK		Drilling Start Time: 10:25 AM Finish Time: 10:20 PM Date: 5/26/2010 and 5/27/2010 Weather: Sunny, clear, 75°F				
Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition:	ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
79	19"		Top 5": Fine to coarse GRAVEL, little Sand.		None	Wet	ND	None	
80			Bottom 14": Brown-red SILT, some Sand, trace red Gravel.		None	Wet	ND	None	
89	24"		Top 4": Brown/red SILT, some Sand, little Gravel.		None	Wet	ND	None	
90			Bottom 20": Red SILT, little Sand and Gravel, trace Clay.		None	Wet	ND	None	
99	20"		Top 7": Red SILT, little Sand and Gravel, trace Clay.		None	Wet	ND	None	
100			Bottom 13": White SILT, trace Sand, Gravel and Clay.		None	Wet	ND	None	
109	12"		Red and white SILT, little Sand and Gravel, trace Clay.		None	Wet	ND	None	
110									
Stopped at 115' below grade on 5/26/2010 due to lack of auger rods. Resumed on 5/27/2010.									
119	24"		Top 14": Yellow SILT, little Sand, trace Gravel.		None	Wet	ND	None	
120			Bottom 10": White SILT, little Sand and Gravel.		None	Wet	ND	None	
129	24"		Top 8": Yellow SILT, little Sand, trace Gravel and Clay.		None	Wet	13.9	None	SB/MW-101 (128.5)
130			Bottom 16": White SILT, little Sand and Gravel, trace Clay.		None	Wet	2.2	None	SB/MW-101 (128-130)
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Samples collected @ 10' after 29' . Groundwater encountered at 9' below grade.									


SOIL BORING LOG			2477 Third Avenue		Boring No.		SB/MW-101		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			AKRF Project Number: 11160		Sheet 4 of 4				
			Drilling Method: HSA Sampling Method: Split spoon sampler Driller: ADT Sampler: AKRF/EK		Drilling Start Time: 10:25 AM Finish Time: 10:20 PM		Date: 5/27/2010 Weather: Sunny, clear, 90° F		
Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition:	ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
139	24"		Top 6": Yellow-red SILT, little Sand, trace Gravel and Clay.		None	Wet	6.4	None	
140			Bottom 18": White SILT, little Sand and Gravel, trace Clay.		None	Wet	0.5	None	
149	20"		Top 13": Yellow-red SILT, little Sand, trace Clay and Gravel.		None	Wet	2.2	None	SB/MW-101 (149)
			Middle 3": Dark red Sand, some Silt and Gravel.		None	Wet	0.4	None	SB/MW-101 (148-150)
150			Bottom 4": White SILT, some Sand, Little Gravel.		None	Wet	0.8	None	
			Auger refusal at 150' below grade.						


Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids
 Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Samples collected @ 10' after 29' .
 Groundwater encountered at 9' below grade.


SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. SB-103 Sheet 1 of 1			
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: Geoprobe Sampling Method: 5' acetate liner Driller : Zebra Sampler: AKRF/EK		Drilling Start Time 9:40 AM Finish Time 9:55 AM Date: 6/2/2010 Weather: Sunny & Clear, 80°F			
			Depth (feet) Recovery (Inches) Soil Type	Surface Condition: Concrete		Odor	Moisture	PID
1	26"		Top 4": CONCRETE.	None	None	ND	None	SB-103 (0-5)
2			Bottom 22": Dark brown SAND and SILT, some Gravel, Rock, Concrete and Brick, little Glass, trace Ceramic Tile and Wood (FILL).	None	None	0.5	None	
3								
4								
5								
6	26"		Top 7": BRICK (FILL).	None	None	ND	None	SB-103 (5-10)
7			Bottom 19": Brown SAND and SILT.	None	Moist (wet at bottom)	ND	None	
8								
9								
10								
11			End of boring at 10' below grade.					
12								
13								
14								
15								
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Groundwater encountered at 9' below grade.								

SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. Sheet 1 of 3		SB/MW-104		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller : ADT Sampler: AKRF/EK & AS		Drilling Start Time 9:45 AM Finish Time 2:10 PM Date: 5/25/2010 Weather: Mostly sunny, clear, 85°F				
			Depth (feet) Recovery (Inches) Soil Type	Surface Condition: ASPHALT		Odor	Moisture	PID	NAPL
1			Top 4": ASPHALT	Fill	None	ND	None	SB-104 (0-4)	
2			Brown SAND and SILT, little Asphalt, trace Concrete and Ceramic fragments (FILL).					SB-104 (3)	
3									
4									
5	8"		Black SAND and SILT, little Brick and Wood (FILL).	None	None	ND	None		
6									
7	9"		Top 6": Yellow SAND, some Silt.	None	None	ND	None		
8			Bottom 3": SILT and SAND.	None	None	ND	None		
9	24"		Light brown SAND and SILT.	None	Wet at 9'	ND	None	SB-104 (8-9)	
10								SB-104 (8)	
14	22"		Brown SILT and SAND.	None	Wet	ND	None		
15									
19	24"		Brown SILT and Sand.	None	Wet	ND	None		
20									
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Groundwater encountered at 9' below grade.									

SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. Sheet 2 of 3		SB/MW-104		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller: ADT Sampler: AKRF/EK & AS		Drilling Start Time: 9:45 AM Finish Time: 2:10 PM Date: 5/25/2010 Weather: Mostly sunny, clear, 85°F				
			Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition: ASPHALT	Odor	Moisture	PID
24	24"		Brown SAND, little Silt, trace Gravel.	None	Wet	ND	None		
25									
29	24"		Brown SAND, trace Silt.	ND	Wet	ND	None		
30									
34	10"		Fine GRAVEL, trace dark gray Sand, Silt.	None	Wet	ND	None		
35									
39	19"		Top 12": Gray SILT and SAND, some fine Gravel.	None	Wet	ND	None		
40			Bottom 7": Brown SAND, trace Silt.	None	Wet	ND	None		
44	19"		Top 13": Gray SILT and SAND.	None	Wet	ND	None		
45			Bottom 6": Brown SAND, trace Silt.	None	Wet	ND	None		
49	18"		Top 13": Gray SILT and SAND.	None	Wet	ND	None		
50			Bottom 5": Brown SAND, trace Silt.	None	Wet	ND	None		
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Groundwater encountered at 9' below grade.									

SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160	Boring No. SB/MW-104 Sheet 3 of 3				
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller : ADT Sampler: AKRF/EK & AS		Drilling Start Time: 9:45 AM Finish Time: 2:10 PM Date: 5/25/2010 Weather: Mostly sunny, clear, 85°F			
			Surface Condition: ASPHALT	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
54	24"		Top 10": Brown SILT and SAND, some fine Gravel. Bottom 14": Gray SILT and SAND.	None	Wet	ND	None	
55				None	Wet	ND	None	
59	24"		Top 2": White, coarse SAND and GRAVEL. Bottom 22": Light brown SAND, some fine Gravel, little Silt.	None	Wet	ND	None	
60				None	Wet	ND	None	
64	16"		Gray SILT, some white, coarse Sand and Gravel, little red brown coarse Sand.	None	Wet	ND	None	
65								
69	15"		Top 4": White Coarse SAND and fine GRAVEL. Bottom 11": Gray SILT, Trace Sand.	None	Wet	ND	None	
70				None	Wet	ND	None	
79	13"		Brown, medium to coarse SAND, some Silt, fine Gravel.	None	Wet	ND	None	SB-104 (80-89)
80								
89	10"		Light gray SILT and fine to medium SAND, trace Gravel	None	Wet	ND	None	SB-104 (88)
90			89' Refusal Not enough sample at 88-89' due to refusal and poor recovery. Used 78-80 soil to complete sample.					
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9' ft) and then @ 5' intervals to refusal. Groundwater encountered at 9' below grade.								

SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. SB/MW-105 Sheet 1 of 2					
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller : ADT Sampler: AKRF/EK		Drilling Start Time 10:52 AM Finish Time 2:35 PM Date: 5/28/2010 Weather: Mostly sunny, clear, 65°F					
			Depth (feet)	Recovery (Inches)	Soil Type	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
			Surface Condition: 6" CONCRETE							
			1		Top 6": CONCRETE	Mild petrol-like	None	27.4	None	SB/MW-105 (0-4)
2		Brown SAND, some fine Gravel, Rock, Pottery and Concrete, little Silt (FILL).					SB/MW-105 (3)			
3										
4										
5	18"	Top 13": Light brown SAND, little Silt, fine Gravel.		None	1.1	None				
6		Bottom 5": Dark gray SAND, fine Gravel, Concrete and Rock, trace Silt, Tile and Wood (FILL).		None	16.0	None				
7	18"	Top 15": Light brown SAND, little Silt.	None	None	0.8	None				
8		Bottom 3": Dark gray SAND, little Silt, trace Wood (FILL).	None	None	1.5	None				
9	20"	Top 18": Dark gray (stained) SAND, little Silt.	Petrol-like	Moist	1064	Stained	SB/MW-105 (8-9.5)			
10		Bottom 2": Light brown SAND, little Silt, fine Gravel.					None	3.7	None	SB/MW-105 (9.5)
13	13"	Top 10": Green-gray SAND, some Silt.	None	Wet	6.2	None				
14		Bottom 3": Light brown SAND, little Silt and Gravel.	None	Moist	13.3	None				
19	24"	Top 11": Yellow-gray SILT and SAND.	None	Wet	14.7	None				
20		Bottom 13": Green-gray SAND, some Silt.	Mild Petrol-like	Wet	52.2	None				
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9 1/2' ft) and then @ 5' intervals to refusal. Groundwater encountered at 9 1/2' below grade.										

SOIL BORING LOG			2477 Third Avenue AKRF Project Number: 11160		Boring No. Sheet 2 of 2		SB/MW-105		
 440 Park Avenue South, New York, NY 10016 Phone (212) 696-0670 Fax (212) 726-0942			Drilling Method: HSA Sampling Method: Split spoon sampler Driller : ADT Sampler: AKRF/EK		Drilling Start Time 10:52 AM Finish Time 2:35 PM Date: 5/28/2010 Weather: Mostly sunny, clear, 65°F				
			Depth (feet)	Recovery (Inches)	Soil Type	Surface Condition:	Odor	Moisture	PID
24	24"		6" CONCRETE						
25			Top 7": Gray SAND, some Silt, fine Gravel.	Mild Petrol-like	Wet	20.9	None	SB/MW-105 (23-24.5)	
			Bottom 17": Green-gray SAND, some Silt.	Petrol-like	Wet	426	None	SB/MW-105 (24)	
29	13"		Top 12": SAND, some Silt, Gravel.	None	Wet	ND	None		
30			Bottom 1": Coarse SAND and fine GRAVEL.	None	Wet	1.7	None		
34	22"		Top 11": Dark gray, fine to medium SAND and SILT, little Gravel.	None	Wet	ND	None		
35			Bottom 11": Gray, firm SAND and SILT, little Gravel.	None	Wet	2.0	None		
44	8"		Top 3": Gray SAND and SILT, some Gravel.	None	Wet	ND	None		
45			Bottom 5": SAND and GRAVEL.	None	Wet	ND	None		
54	24"		Gray SAND and SILT, some fine Gravel.	None	Wet	ND	None	SB/MW-105 (53-55)	
55								SB/MW-105 (55)	
56			Auger refusal at 55' below grade.						
57									
58									
59									
Notes: ND = Not Detected. PID = Photoinization Detector NAPL = Non-Aqueous Phase Liquids Samples collected continuously to the water table (9 1/2' ft) and then @ 5' intervals to refusal. Groundwater encountered at 9 1/2' below grade.									

APPENDIX D

MONITORING WELL INSTALLATION DIAGRAMS

Monitoring Well Construction Log

2447 Third Avenue
AKRF Project Number: 11160

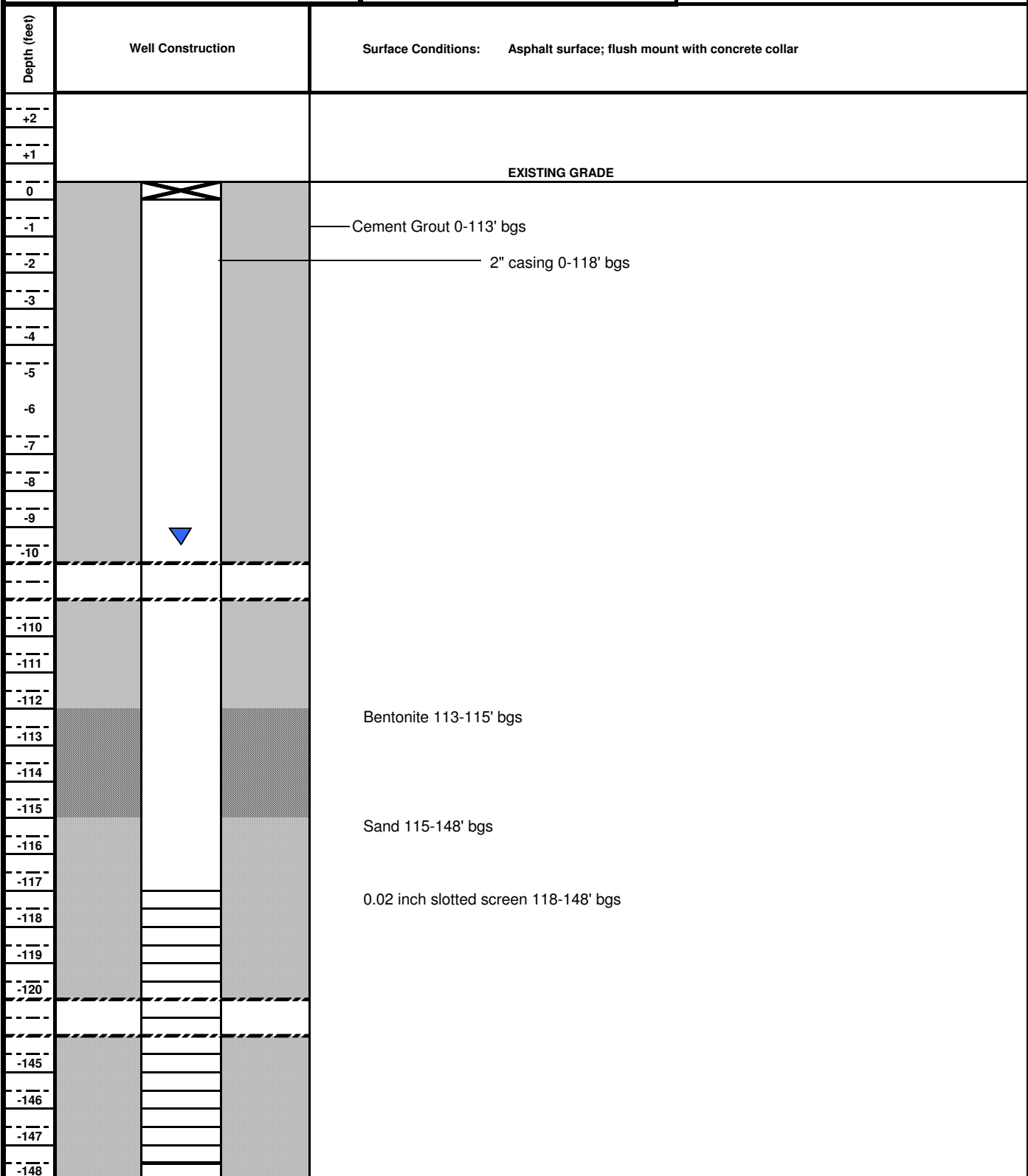
Well No. **SB/MW-101**
Sheet 1 of 1



440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: HSA
Sampling Method: Split spoon sampler
Driller: ADT
Field Supervisor: AKRF/EK

Drilling
Start Time: 10:25 AM Finish Time: 10:20 PM
Date: 5/26/2010
Weather: Overcast, light rain, 70°F



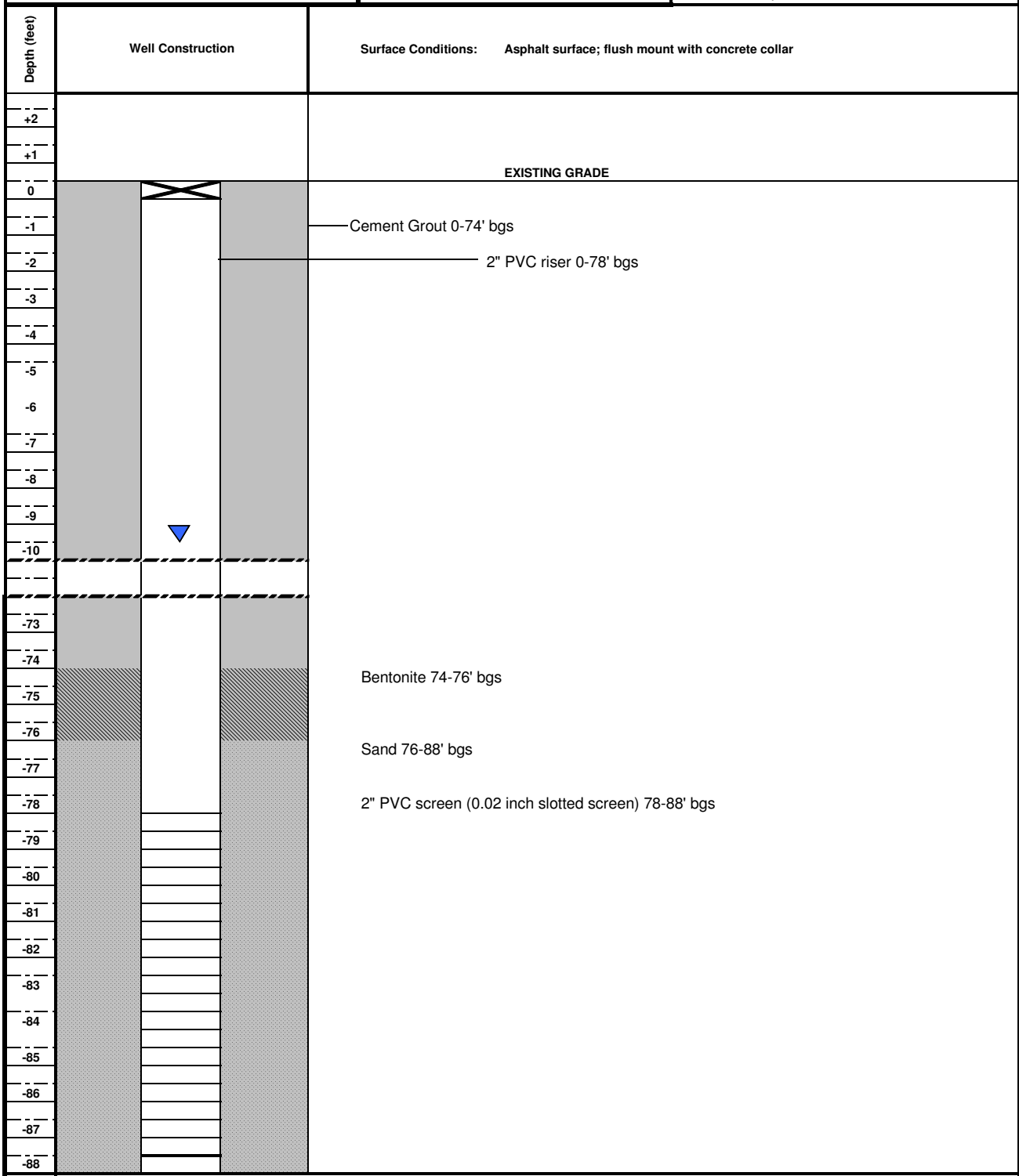
Notes: ▼ Groundwater level indicator SB/MW-101 (0-4) SB/MW-101 (8.5) SB/MW-101 (149)
Soil samples were collected during well installation. SB/MW-101 (2-5) SB/MW-101 (128.5) SB/MW-101 (148-150)
Groundwater apparent 9' SB/MW-101 (6-9) SB/MW-101 (128-130)



440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: HSA
Sampling Method: Split spoon sampler
Driller: ADT
Field Supervisor: AKRF/EK

Drilling	
Start Time	9:45 AM
Finish Time	2:10 PM
Date:	5/26/2010
Weather:	Sunny and clear, 85°F



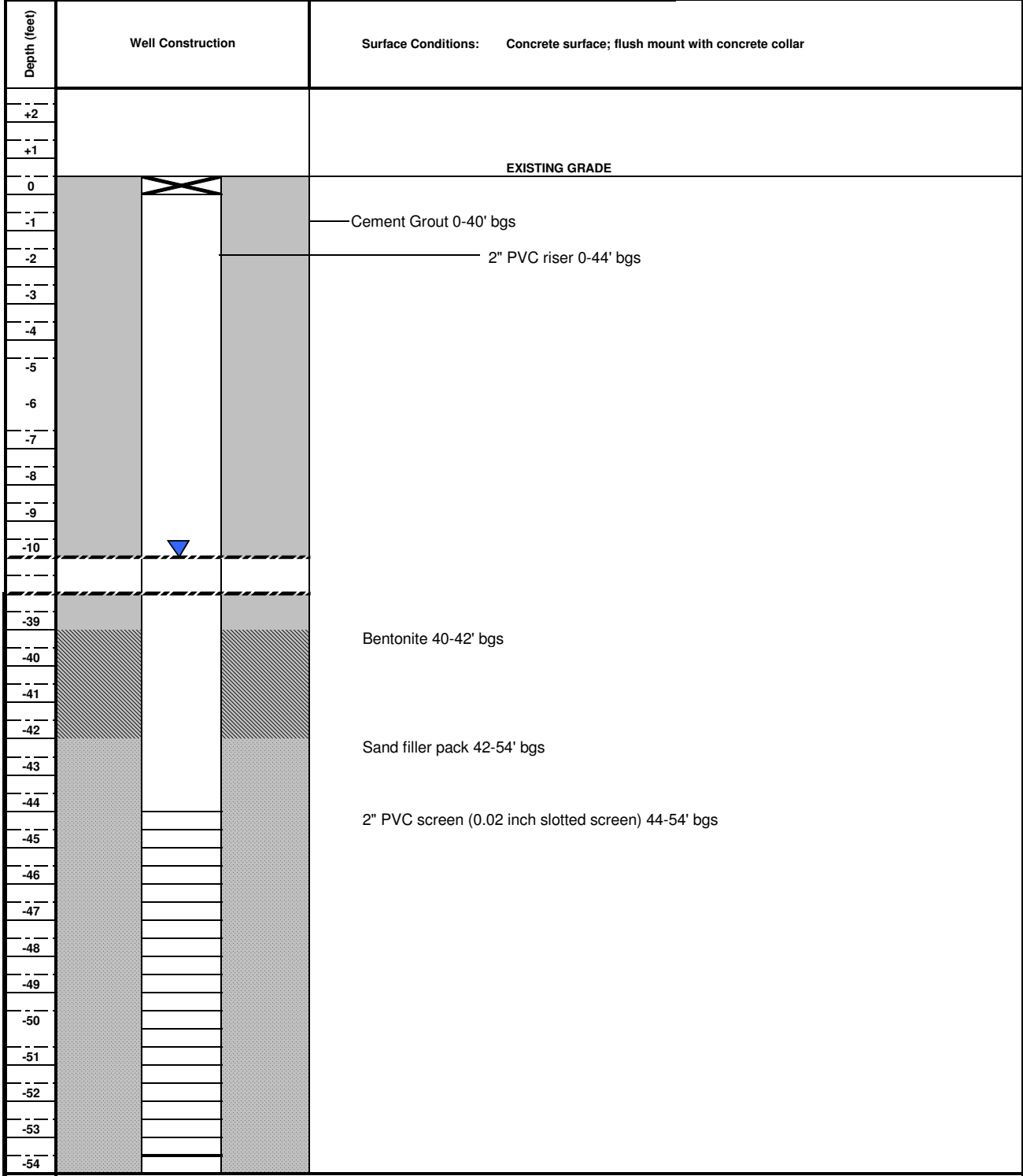
Notes: ▼ Groundwater level indicator SB/MW-104 (3) SB/MW-104 (8-9)
 Soil samples were collected during well installation. SB/MW-104 (0-4) SB/MW-104 (88)
 Groundwater apparent 9' SB/MW-104 (8) SB/MW-101 (80-89)



440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: HSA
Sampling Method: Split spoon sampler
Driller : ADT
Field Supervisor: AKRF/EK

Drilling	
Start Time	10:52 AM
Finish Time	2:35 PM
Date:	5/28/2010 (well constructed 6/1/2010)
Weather:	Mostly sunny, clear, 65°F



Notes: ▼ Groundwater level indicator SB/MW-105 (3) SB/MW-105 (8-9.5) SB/MW-105 (55)
 Soil samples were collected during well installation. SB/MW-105 (0-4) SB/MW-105 (24) SB/MW-105 (53-55)
 Groundwater apparent 9.5' SB/MW-105 (9.5) SB/MW-105 (23-24.5)

APPENDIX E
WELL SAMPLING LOGS



Well Sampling Log

Job No: 3399 11160		Client: Home Depot JTBV		Well No: AR/mv-1					
Project Location: Bego Park 2477 Yund Ave		Sampled By:							
Date:		Sampling Time:							
PID at surface: 9.7 ppm		Water Column (WC): feet		* = 0.163 * WC for 2" wells					
Total Depth: 13.20		Well Volume*: gallons		* = 0.653 * WC for 4" wells					
Depth to Water: 8.45		Volume Purged: gallons		* = 1.469 * WC for 6" wells					
Depth to Product: ND		Well Diam.: inches		Target maximum flow rate is 500 ml/min					
Depth to top of screen:		Pump type: QED Sample Pro Bladder Pump							
Depth to bottom of screen:		Field Screening Instrument: Honba U-22							
Approx. Pump Intake: 10.80									
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
0830	8.57	200	18.99	0.564	0.43	6.75	-154	179	
0835	8.57		17.76	0.526	0.00	6.44	-131	61.0	
0840	8.57		17.50	0.535	0.00	6.31	-119	48.5	
0845	8.58		17.46	0.530	0.00	6.26	-111	49.0	
0850	8.57		17.39	0.528	0.00	6.21	-106	46.1	
0855	8.58		17.42	0.528	0.00	6.17	-101	45.0	Taking Sample
0905	8.58		25.45	0.527	1.11	6.62	-109	43.5	Final
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.



Well Sampling Log

Job No:	11160	Client:	JITEN	Well No:	ASR/mw-2
Project Location:	2477 Harvard Ave	Sampled By:	KK		
Date:	06/04/10	Sampling Time:	0835		
PID at surface:	ND 10.7 ppm				
Total Depth:	14.44 ft. below top of casing	Water Column (WC):	5.55 feet		* = 0.163 * WC for 2" wells
Depth to Water:	8.89 ft. below top of casing	Well Volume*:	0.88 gallons		* = 0.653 * WC for 4" wells
Depth to Product:	ND ft. below top of casing	Volume Purged:	5L gallons		* = 1.469 * WC for 6" wells
Depth to top of screen:	ft. below top of casing	Well Diam.:	2 inches		Target maximum
Depth to bottom of screen:	ft. below top of casing	Pump type:	QED Sample Pro Bladder Pump		flow rate is
Approx. Pump Intake:	12.3 (top of pump) ft. below top of casing	Field Screening Instrument:	Horiha U-22		100 ml/min

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
0750	8.80	125	21.75	1.68	1.65	6.14	-93	88.7	
0755	8.91	125	20.90	1.66	0.38	6.39	-127	98.1	
0800	8.88	125	20.47	1.65	0.11	6.40	-142	105.0	
0805	8.86	125	20.76	1.66	0.42	6.63	-148	59.4	
0810	8.89	125	20.72	1.65	0.10	6.67	-157	53.7	
0815	8.95	125	20.81	1.64	0.11	6.68	-158	50.0	
0820	8.92	125	20.82	1.64	0.14	6.73	-161	48.4	
0825	8.84	125	21.15	1.64	0.14	6.75	-165	49.0	
0830	8.94	125	21.19	1.64	0.12	6.75	-165	48.8	SAMPLE
0957		125	23.18	1.79	1.25	6.49	-113	287.0	FINAL

Stabilization Criteria:

+/- 3 mS/cm

+/- 0.1 pH units

+/- 10 mV

<50 NTU

If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

2/3/11



Well Sampling Log

Job No:	11160											Client:	JITEN		Well No:	ASR/mw-3	
Project Location:	2477 Third Ave											Sampled By:	AS				
Date:												Sampling Time:	1025 → 1115				
PID at surface:	3.0 ppm																
Total Depth:	13.88											Water Column (WC):	feet		* = 0.163 * WC for 2" wells		
Depth to Water:	8.16											Well Volume*:	gallons		* = 0.653 * WC for 4" wells		
Depth to Product:	ND											Volume Purged:	gallons		* = 1.469 * WC for 6" wells		
Depth to top of screen:												Well Diam.:	inches		Target maximum		
Depth to bottom of screen:												Pump type:	QED Sample Pro Bladder Pump		flow rate is		
Approx. Pump Intake:	11.80											Field Screening Instrument:	Horiba U-22		500 ml/min		
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments								
0933	8.34	170	16.4	0.0	11.65	6.26	-90	49.9									
0938	8.40		16.32	0.0	10.41	6.48	-90	52.7									
0943	8.38		16.44	0.0	11.36	6.42	-67	58.2									
0948	8.39		16.33	0.0	11.72	6.44	-68	61.1									
0953	8.38		16.31	0.516	7.75	6.64	-97	25.1									
0958	8.38		16.49	0.310	0.33	6.69	-117	22.7									
1003	8.39		16.41	0.307	0.03	6.72	-125	15.2									
1008	8.39		16.38	0.305	0.0	6.76	-123	15.1									
1013	8.40		16.27	0.499	0.0	6.76	-128	13.9		Taking Sample							
1018	8.40	↓	16.38	0.498	0.0	6.76	-128	12.8		(Final)							
Stabilization Criteria:													+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	



Well Sampling Log

Job No:	71160											Client:	TITEN		Well No:	ABJ/mw-4	
Project Location:	2477 Third Ave											Sampled By:	AS				
Date:	06/04/10											Sampling Time:					
PID at surface:	ND																
Total Depth:	14.22											Water Column (WC):	feet		*= 0.163 * WC for 2" wells		
Depth to Water:	7.98											Well Volume*:	gallons		*= 0.653 * WC for 4" wells		
Depth to Product:	ND											Volume Purged:	gallons		*= 1.469 * WC for 6" wells		
Depth to top of screen:												Well Diam.:	inches		Target maximum		
Depth to bottom of screen:												Pump type:	QED Sample Pro Bladder Pump		flow rate is		
Approx. Pump Intake:	11.26											Field Screening Instrument:	Horiba U-22		500 ml/min		
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments								
1030	8.13	750	20.19	0.533	0.18	6.66	-154	854									
1035	8.18		19.20	0.463	0.30	6.39	-121	>999									
1040	8.25		20.85	0.483	0.00	6.29	-109	>999									
1045	8.05		21.26	0.485	0.00	6.23	-103	>999									
1050	8.05		26.23	0.505	4.32	6.01	-84	>999									
1055	8.25		20.90	0.554	0.34	6.14	-86	7999									
1100	8.26		21.13	0.556	0.00	6.12	-84	983									
1105	8.26		20.94	0.577	0.00	6.08	-82	748									
1110	8.25		20.98	0.588	0.00	6.07	-81	633									
1115	8.25		21.15	0.608	0.00	6.07	-81	633									
1120	8.25		21.23	0.611	0.04	6.06	-80	481									
1125	8.25		22.14	0.635	0.04	6.11	-83	385									
1130	8.25	✓	21.11	0.658	0.06	6.17	-85	376									
1	Stabilization Criteria:											+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.		

pg 2/2

Well Sampling Log



Job No:	11160	Client:	SITE P	Well No:					
Project Location:	2477 Third Ave	Sampled By:	AS						
Date:	06/04/10	Sampling Time:	1235		ASEJMW-4				
LEL at surface:	ND								
PID at surface:	ND								
Total Depth:	14.22	Water Column (WC):	feet	*= 0.163 * WC for 2" wells					
Depth to Water:	7.58	Well Volume*:	0.00 gallons	*= 0.653 * WC for 4" wells					
Depth to Product:	ND	Volume Purged:	gallons	*= 1.469 * WC for 6" wells					
Depth to top of screen:		Well Diam.:	2 inches	Target maximum					
Depth to bottom of screen:		Purging Device (pump type):		flow rate is					
Approx. Pump Intake:	11.26	QED Sample Pro Bladder Pump		100 ml/min					
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1135	8.25	150	21.10	0.656	0.07	6.19	-86	325	
1140	8.25		22.04	0.662	0.11	6.23	-88	279	
1145	8.26		22.10	0.672	0.18	6.28	-90	239	
1150	8.26		22.54	0.682	0.25	6.37	-95	191	
1155	8.26		22.65	0.687	0.26	6.42	-97	163	
1200	8.26		22.64	0.696	0.18	6.45	-98	164	
1210	8.26		21.92	0.703	0.32	6.47	-99	142	
1215	8.26		21.88	0.705	0.31	6.48	-99	144	
1220	8.26		21.48	0.715	0.34	6.50	-99	126	
1225	8.26		21.86	0.710	0.30	6.50	-98	123	
1230	8.26		21.67	0.713	0.32	6.51	-98	114	
1230	8.26		21.08	0.717	0.32	6.52	-99	111	Purged for 2 hrs with Turbidity > 50 NTU
1230	8.26		21.09	0.714	0.56	6.64	-97	677	Taking Sample

If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Stabilization Criteria:
 +/- 3 mS/cm
 +/- 0.3 mg/L
 +/- 0.1 pH units
 +/- 10 mV
 <50 NTU

Groundwater samples analyzed for:

1/2

0305
114



Well Sampling Log

Job No:	11160	Client:	JITSEN	Well No:	ASR/mw-6
Project Location:	2477 Third Ave	Sampled By:	EK		
Date:	05/03/10	Sampling Time:	1205		
PID at surface:	ND				
Total Depth:	14.29	Water Column (WC):	5.71	feet	*= 0.163 * WC for 2" wells
Depth to Water:	8.58	Well Volume*:	8.13	gallons	*= 0.653 * WC for 4" wells
Depth to Product:	ND	Volume Purged:	4.80	gallons	*= 1.469 * WC for 6" wells
Depth to top of screen:		Well Diam.:	2	inches	Target maximum flow rate is 500 ml/min
Depth to bottom of screen:		Pump type:	QED Sample Pro Bladder Pump		
Approx. Pump Intake:	10.70 (top of pump)	Field Screening Instrument:	Horiba U-22		

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
1001	8.58	40	18.76	0.546	2.37	5.79	-50	964.0	
1006	8.53	40	18.33	0.453	0.00	6.25	-56	499.0	
1011	8.50	40	18.11	0.440	0.00	6.02	-50	331.0	
1016	8.51	40	18.00	0.435	0.00	6.17	-92	201.0	
1021	8.50	40	17.94	0.429	0.00	6.22	-97	70.5	
1026	8.49	40	17.96	0.421	0.00	6.27	-103	586.6	
1031	8.51	40	18.00	0.392	0.00	6.36	-109	83.5	
1036	8.52	40	18.04	0.389	0.00	6.37	-109	166.0	
1041	8.51	40	17.77	0.386	0.00	6.39	-107	178.0	
1046	8.51	40	17.89	0.383	0.00	6.41	-104	191.0	
1051	8.49	40	17.94	0.376	0.00	6.45	-113	333.0	
1056	8.49	40	16.91	0.368	1.20	6.35	-97	403.0	
1101	8.52	40	17.01	0.374	0.00	6.46	-110	250.0	

Stabilization Criteria:	+/- 3 mS/cm	+/- 0.1 pH units	+/- 10 mV	<50 NTU
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If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.



Well Sampling Log

Job No:	1160		Client:	MTEW		Well No:	ASR/MW-6			
Project Location:	2477 TARD AVE		Sampled By:	EK						
Date:	06/03/10		Sampling Time:	1205						
L.E.L at surface:										
PID at surface:	ND									
Total Depth:	14.29	ft. below top of casing	Water Column (WC):	5.71	feet	* = 0.163 * WC for 2" wells				
Depth to Water:	8.58	ft. below top of casing	Well Volume*:	8.13	gallons	* = 0.653 * WC for 4" wells				
Depth to Product:	ND	ft. below top of casing	Volume Purged:	4.80	gallons	* = 1.469 * WC for 6" wells				
Depth to top of screen:		ft. below top of casing	Well Diam.:	2 inches		Target maximum flow rate is 100 ml/min				
Depth to bottom of screen:		ft. below top of casing	Purging Device (pump type):							
Approx. Pump Intake:	10.70	(top of pump) ft. below top of casing	QED Sample Pro Bladder Pump							
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
1106	8.50	40	16.96	0.355	0.00	6.51	-113	246.0		
1111	8.49	40	16.86	0.357	0.00	6.52	-114	337.0		
1116	8.51	40	16.91	0.352	0.00	6.58	-118	299.0		
1121	8.52	40	17.01	0.349	0.00	6.59	-119	312.0		
1126	8.52	40	16.83	0.355	0.00	6.60	-120	167.0		
1131	8.52	40	17.01	0.343	0.00	6.68	-124	214.0		
1136	8.51	40	17.02	0.343	0.00	6.70	-125	159.0		
1141	8.53	40	17.04	0.339	0.00	6.76	-127	255.0		
1146	8.52	40	17.06	0.340	0.00	6.75	-128	244.0		
1151	8.53	40	16.83	0.340	0.00	6.79	-130	228.0		
1156	8.52	40	17.20	0.331	0.00	6.94	-136	214.0		
1201	8.50	40	17.17	0.333	0.00	6.92	-136	178.0		
1314	8.49	40	19.77	0.428	1.68	6.38	-112	187.0	SAMPLE - 2 HAS FINAL	
Stabilization Criteria:					+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.
Groundwater samples analyzed for:										



Well Sampling Log

Job No: 3399		1160		Client: Home Depot - JITEN		Well No: ABR/MW-8			
Project Location: Rego Park 2477 Third Ave		06/03/10		Sampled By: BK					
Date: 06/03/10		0.6 ppm		Sampling Time: 1350					
PID at surface:		13.86		Water Column (WC): 6.25 feet		*= 0.163 * WC for 2" wells			
Total Depth:		7.61		Well Volume*: gallons		*= 0.653 * WC for 4" wells			
Depth to Water:		MD		Volume Purged: gallons		*= 1.469 * WC for 6" wells			
Depth to Product:				Well Diam.: 2 inches		Target maximum flow rate is 500 ml/min			
Depth to top of screen:				Pump type: QED Sample Pro Bladder Pump					
Depth to bottom of screen:				Field Screening Instrument: Horiba U-22					
Approx. Pump Intake: 9.6 (top of pump)									
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (µmS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
1324	7.36	180	28.13	4.04	4.49	6.87	-150	43.6	
1329	7.93	180	25.04	3.87	0.31	6.66	-154	33.3	
1334	7.90	150	24.66	3.49	0.45	6.72	-167	29.4	
1339	7.89	150	24.83	3.11	0.21	6.79	-177	35.5	
1344	7.89	150	23.98	2.96	0.11	6.76	-181	48.0	
1349	7.92	150	23.93	2.86	0.07	6.79	-188	46.6	SAMPLE
1442	7.86	150	25.31	2.13	0.96	6.76	-148	57.0	FINAC
Stabilization Criteria:				+/- 3 µmS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

E 138 (Sand + 3rd) 718-742-8761
 Darcy Site Spec



Well Sampling Log

Job No: 11160		Client: JTECN		Well No: ASR/mw-9					
Project Location: 2477 Third Ave		Sampled By: BK							
Date: 06/04/10		Sampling Time: 1110							
PID at surface: 2.0 ppm									
Total Depth: 15.15		Water Column (WC): 5.72 feet		* = 0.163 * WC for 2" wells					
Depth to Water: 9.43		Well Volume*: gallons		* = 0.653 * WC for 4" wells					
Depth to Product: ND		Volume Purged: gallons		* = 1.469 * WC for 6" wells					
Depth to top of screen:		Well Diam.: 2 inches		Target maximum flow rate is 500 ml/min					
Depth to bottom of screen:		Pump type: QED Sample Pro Bladder Pump							
Approx. Pump Intake: 13.0 (top of pump)		Field Screening Instrument: Horiba U-22							
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
1022	9.11	175	20.75	0.174	1.73	5.94	-73	283.0	
1027	9.79	175	19.36	0.155	0.15	5.69	-59	211.0	
1032	9.83	175	19.10	0.156	0.08	5.69	-61	147.0	
1037	9.80	160	19.42	0.157	0.07	5.93	-77	127.0	
1042	9.78	160	19.87	0.157	0.12	6.20	-93	128.0	
1047	9.78	160	19.77	0.155	0.17	6.26	-96	128.0	
1052	9.78	160	19.56	0.157	0.57	6.49	-102	34.1	
1057	9.77	160	19.22	0.157	0.30	6.41	-99	34.0	
1102	9.76	160	19.43	0.156	0.31	6.37	-96	33.6	
1107	9.77	160	19.64	0.154	0.36	6.40	-97	33.8	SAMPLE
1207	9.95	160	17.60	0.161	2.55	6.63	-69	93.6	FINAL
Stabilization Criteria:						+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.



Well Sampling Log

Job No: 11160		Client: JTB		Well No: ASR/jww-10					
Project Location: 2477 Third Ave		Sampled By: EK							
Date: 06/03/10		Sampling Time: 1430							
PID at surface: 5.6									
Total Depth: 12.97		Water Column (WC): 5.02 feet		* = 0.163 * WC for 2" wells					
Depth to Water: 7.95		Well Volume*: 8.02 gallons		* = 0.653 * WC for 4" wells					
Depth to Product: ND		Volume Purged: 8.75 gallons		* = 1.469 * WC for 6" wells					
Depth to top of screen:		Well Diam.: 2 inches		Target maximum					
Depth to bottom of screen:		Pump type: QED Sample Pro Bladder Pump		flow rate is					
Approx. Pump Intake: 10.3 (top of pump)		Field Screening Instrument: Horiba U-22		500 ml/min					
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)
1335	7.94	175	19.80	0.138	2.75	5.76	-42	190.0	
1340	7.96	175	19.22	0.137	0.00	5.78	-54	164.0	
1345	7.97	175	18.99	0.128	0.00	5.82	-60	177.0	
1350	7.99	175	18.77	0.123	0.00	5.85	-61	168.0	
1355	7.97	175	19.17	0.119	0.09	5.80	-54	41.8	
1400	7.98	175	19.36	0.118	0.00	5.88	-59	104.0	
1405	7.96	175	19.27	0.115	0.00	5.86	-50	76.1	
1410	7.98	175	19.14	0.113	0.00	5.90	-53	64.1	
1415	7.96	175	18.84	0.113	0.00	5.92	-54	47.0	
1420	7.98	175	19.03	0.111	0.00	5.93	-56	46.6	
1425	7.99	175	18.76	0.111	0.00	5.95	-56	39.0	SAMPLES
1524	7.94	175	19.34	0.113	0.85	6.62	-55	140.0	FINAL
Stabilization Criteria:						+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

* X * * *

pg 1/2



Well Sampling Log

Job No:	1160		Client:	JITEN		Well No:	MW-101		
Project Location:	2477 Third Ave		Sampled By:	EK		*= 0.163 * WC for 2" wells			
Date:	06/15/10		Sampling Time:	150		*= 0.653 * WC for 4" wells			
LEL at surface:						*= 1.469 * WC for 6" wells			
PID at surface:	0.6 ppm								
Total Depth:	149	ft. below top of casing	Water Column (WC):	140.28	feet				
Depth to Water:	8.72	ft. below top of casing	Well Volume*:	0.00	gallons				
Depth to Product:	N/D	ft. below top of casing	Volume Purged:		gallons				
Depth to top of screen:		ft. below top of casing	Well Diam.:	2	inches				
Depth to bottom of screen:		ft. below top of casing	Purging Device (pump type):	QED Sample Pro Bladder Pump			Target maximum flow rate is 100 ml/min		
Approx. Pump Intake:	139	($\frac{149 \times 0.05}{2.5}$) ft. below top of casing							
Time	Depth to Water (FL)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1308	9.62	120	25.70	0.763	6.54	10.57	-159	142	
1313	9.63	120	24.37	1.83	3.54	11.75	-867	151	
1318	9.65	120	23.19	2.11	2.09	11.88	-879	424	
1323	9.64	120	23.87	2.21	2.68	11.85	-867	399	
1328	9.67	120	21.33	2.42	2.06	11.97	-873	328	
1333	9.69	120	21.62	2.36	1.90	11.93	-851	277	
1338	9.71	120	21.49	2.29	1.84	11.92	-822	226	
1343	9.71	120	21.09	2.23	1.93	11.90	-782	236	
1348	9.68	120	21.32	2.17	1.89	11.88	-771	240	
1353	9.65	120	21.58	1.96	2.01	11.84	-707	218	
1358	9.61	120	21.24	1.80	1.93	11.82	-647	247	
1403	9.59	120	21.50	1.76	1.89	11.80	-620	223	
1408	9.50	120	21.27	1.73	1.91	11.80	-598	234	
1413	9.45	120	21.30	1.61	2.07	11.77	-559	215	
1418	9.48	120	21.98	1.48	1.84	11.71	-581	222	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

pg 2/2



Well Sampling Log

Job No: 1160		Client: JITEN		Well No: pw-101				
Project Location: 11160 - 2477 Third Ave		Sampled By: EK						
Date: 06/15/10		Sampling Time: 1510						
LEL at surface: N/A								
PID at surface: 0.8 ppm								
Total Depth: 149 ft. below top of casing		Water Column (WC): 140.28 feet		* = 0.163 * WC for 2" wells				
Depth to Water: 8.72 ft. below top of casing		Well Volume*: 0.00 gallons		* = 0.653 * WC for 4" wells				
Depth to Product: ND ft. below top of casing		Volume Purged: gallons		* = 1.469 * WC for 6" wells				
Depth to top of screen: ft. below top of casing		Well Diam.: 2 inches		Target maximum flow rate is 100 ml/min				
Depth to bottom of screen: ft. below top of casing		Purging Device (pump type): QED Sample Pro Bladder Pump		Comments (problems, odor, sheen)				
Approx. Pump Intake: 139 (top of p.w.) ft. below top of casing								
Time	Depth to Water (ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
1423	9.50	120	22.48	1.46	1.82	11.71	-547	152
1428	9.50	120	22.86	1.35	1.74	11.69	-505	78.6
1433	9.51	120	23.40	1.32	1.85	11.69	-426	102
1438	9.52	120	23.12	1.30	1.96	11.68	-454	108
1443	9.56	120	23.83	1.24	2.06	11.67	-416	83.8
1448	9.60	120	23.08	1.21	2.28	11.68	-398	71.3
1453	9.68	120	23.28	1.12	2.18	11.64	-392	84.3
1458	9.68	120	23.29	1.10	2.20	11.63	-382	136
1503	9.72	120	23.52	1.06	2.25	11.61	-367	108
1508	9.76	120	24.21	1.02	2.23	11.58	-363	74.4
1621	9.75	120	26.40	1.00	7.83	11.41	-444	122
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU
Groundwater samples analyzed for:								

SAMPLE - 2 HOURS
FINAL

If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

pg 1/2



Well Sampling Log

Job No: 1100		Client: CIVEN		Well No: MW-104					
Project Location: 2477 Third Ave		Sampled By: Ek							
Date: 06/15/10		Sampling Time: 1120							
LEL at surface: —									
PID at surface: 1.8 ppm		LE Petrol-like odor							
Total Depth: 87		ft. below top of casing		Water Column (WC): 7.75 feet					
Depth to Water: 8.25		ft. below top of casing		Well Volume*: 0.00 gallons					
Depth to Product: ND		ft. below top of casing		Volume Purged: gallons					
Depth to top of screen:		ft. below top of casing		Well Diam.: 2 inches					
Depth to bottom of screen:		ft. below top of casing		Purging Device (pump type): QED Sample Pro Bladder Pump					
Approx. Pump Intake: 30 (44.2 ft) below top of casing				Target maximum flow rate is 100 ml/min					
Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
0916	8.59	140	21.56	0.812	2.90	6.22	291	269	
0921	8.68	140	21.55	1.18	2.24	7.51	229	290	
0926	8.70	110	21.56	1.20	2.59	7.63	217	332	
0931	8.71	110	21.36	1.21	2.74	7.62	221	476	
0936	8.74	110	20.93	1.26	3.05	7.65	222	458	
0941	8.73	110	21.34	1.21	3.16	7.74	222	617	
0946	9.01	110	21.35	1.21	3.24	7.71	225	>800	
0951	9.19	110	20.59	1.20	3.65	7.75	228	>800	
0956	9.13	110	20.57	1.20	3.76	7.76	232	>800	
1001	9.03	110	21.23	1.19	3.78	7.72	235	>800	
1006	9.09	110	21.94	1.14	3.57	7.76	239	>800	
1011	9.08	110	21.87	1.14	3.43	7.76	239	114	
1016	9.06	110	21.97	1.12	3.06	7.80	241	>800	
1021	9.06	110	22.50	1.10	2.81	7.81	242	>800	
1026	9.19	110	21.97	1.10	2.84	7.82	242	>800	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

A. 2/2



Well Sampling Log

Job No:	1160	Client:	JITEN	Well No:	MW-104				
Project Location:	2477 Third Ave	Sampled By:	ek						
Date:	06/15/10	Sampling Time:	1:20						
LEL at surface:									
PID at surface:	1.8 ppm								
Total Depth:	87	Water Column (WC):	78.75 feet	* = 0.163 * WC for 2" wells					
Depth to Water:	8.25	Well Volume*:	0.00 gallons	* = 0.653 * WC for 4" wells					
Depth to Product:	ND	Volume Purged:	gallons	* = 1.469 * WC for 6" wells					
Depth to top of screen:		Well Diam.:	2 inches	Target maximum flow rate is 100 ml/min					
Depth to bottom of screen:		Purging Device (pump type):							
Approx. Pump Intake:	80 (top of pump)	QED Sample Pro Bladder Pump							
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1031	9.23	110	21.90	1.09	2.81	7.82	243	7800	
1036	9.18	110	22.96	1.05	2.60	7.83	245	7800	
1041	9.07	110	23.22	1.03	2.50	7.84	249	703	
1046	9.06	110	22.95	1.04	2.49	7.83	249	671	
1051	9.08	110	21.88	1.04	2.54	7.86	250	563	
1056	9.08	110	21.76	1.04	2.55	7.82	250	543	
1101	8.98	110	21.08	1.06	2.64	7.80	251	558	
1106	8.97	110	21.99	1.01	2.55	7.85	253	517	
1111	9.06	110	20.00	1.10	2.82	7.84	253	433	
1116	9.18	110	21.25	1.06	2.64	7.82	255	411	SAMPLE - 2 HRS
1221	9.23	110	21.13	1.26	7.29	7.87	249	288	FINAL
Stabilization Criteria:									
			+/- 3 mS/cm		+/- 0.3 mg/L		+/- 0.1 pH units		+/- 10 mV
									<50 NTU

If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

pg. 1/2



Well Sampling Log

Job No:	1160		Client:	JITEN		Well No:	MW-105		
Project Location:	2477 Third Ave		Sampled By:	EK					
Date:	06/16/16		Sampling Time:	0940					
LEL at surface:	N/A								
PID at surface:	2.3 ppm								
Total Depth:	54.25 ft. below top of casing		Water Column (WC):	44.9 feet		* = 0.163 * WC for 2" wells			
Depth to Water:	9.35 ft. below top of casing		Well Volume*:	0.00 gallons		* = 0.653 * WC for 4" wells			
Depth to Product:	ND ft. below top of casing		Volume Purged:	gallons		* = 1.469 * WC for 6" wells			
Depth to top of screen:	ft. below top of casing		Well Diam.:	2 inches		Target maximum flow rate is 100 ml/min			
Depth to bottom of screen:	ft. below top of casing		Purging Device (pump type):						
Approx. Pump Intake:	45.8 (top of screen) ft. below top of casing		QED Sample Pro Bladder Pump						
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
0735	9.16	175	21.36	0.834	6.01	7.95	-442	74.3	
0740	9.82	175	20.68	0.939	3.89	7.41	-182	65.5	
0745	9.80	175	19.07	0.942	2.82	7.17	-249	>800	
0750	9.76	175	19.41	1.01	2.55	7.58	-246	>800	
0755	9.74	175	18.37	1.09	1.91	7.23	-354	>800	
0800	9.76	175	18.20	1.09	1.72	7.18	-348	>800	
0805	9.76	175	18.11	1.14	1.39	7.12	-335	>800	
0810	9.76	175	18.22	1.21	1.27	7.13	-306	>800	
0815	9.73	175	18.35	1.25	1.20	7.11	-293	>800	
0820	9.70	175	18.27	1.29	1.10	7.08	-283	>800	
0825	9.73	175	18.47	1.26	1.04	7.12	-255	>800	
0830	9.72	175	18.49	1.30	1.01	7.12	-258	347	
0835	9.71	175	18.78	1.37	0.92	7.09	-232	>800	
0840	9.70	175	18.70	1.38	0.87	7.09	-265	>800	
0845	9.71	175	18.71	1.37	0.79	7.11	-216	>800	
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for:

pg. 2/2



Well Sampling Log

Job No:	11160			Client:	JITEN			Well No:	155/MW 105 (EK)		
Project Location:	477 Third Ave			Sampled By:	EK						
Date:	06/16/10			Sampling Time:	09:40						
PID at surface:	1.2 (EK) 2.3 ppm										
Total Depth:	54.25 ft. below top of casing			Water Column (WC):	44.9 feet			* = 0.163 * WC for 2" wells			
Depth to Water:	9.35 ft. below top of casing			Well Volume*:	gallons			* = 0.653 * WC for 4" wells			
Depth to Product:	ND ft. below top of casing			Volume Purged:	gallons			* = 1.469 * WC for 6" wells			
Depth to top of screen:	ft. below top of casing			Well Diam.:	2 inches			Target maximum flow rate is 500 ml/min			
Depth to bottom of screen:	ft. below top of casing			Pump type:	QED Sample Pro Bladder Pump						
Approx. Pump Intake:	45.8 (top of pump)			Field Screening Instrument:	Horiba U-22						
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity* (NTU)	Comments (problems, odor, sheen)		
0850	9.71	175	18.56	1.44	0.76	7.03	-259	>800			
0855	9.72	175	18.93	1.41	0.74	7.07	-240	>800			
0900	9.68 9.75	175	19.03	1.40	0.73	7.08	-237	796			
0905	9.67	175	18.84	1.43	0.72	7.07	-233	743			
0910	9.69	175	18.58	1.44	0.73	7.05	-234	768			
0915	9.69	175	18.60	1.43	0.71	7.07	-235	767			
0920	9.67	175	18.48	1.45	0.68	7.06	-235	747			
0925	9.68	175	18.56	1.42	0.66	7.08	-216	758			
0930	9.68	175	18.67	1.44	0.66	7.12	-216	765			
0935	9.72	175	18.37	1.49	0.67	7.07	-228	658	SAMPLE - 2 Hours		
1922	9.68	175	19.44	1.55	4.16	7.12	-164	498	FINAL		
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.		

APPENDIX F

LABORATORY ANALYTICAL DATA

APPENDIX G

DATA USABILITY SUMMARY REPORTS (DUSRs)