May 29, 1990
File #565-6

eder associates
consulting engineers, p. c.

Frank L. Amoroso, Esq.
Nixon, Hargrave, Devans & Doyle
990 Stewart Avenue
Garden City, New York 11530

Re: 800 Prime Place - Hauppauge

Dear Mr. Amoroso:

Eder Associates, P.C. (EA) investigated groundwater conditions at the Sager Electric building located at the above address; in line with your request. Our investigation relied on reports and data provided by the builder, Racanelli Associates and by the U.S. Geological Survey plus field and laboratory data from three monitoring wells which were drilled at the site on May 5, 7 and 8, 1990.

In sum, our investigation did not reveal evidence of groundwater contamination beneath the property and laboratory results are consistent with background water quality for the water-table aquifer in Suffolk County. The soils which were penetrated by the structural foundation borings and by the monitoring well borings were composed of natural glacial outwash sands and gravels. The soils were clean and did not show evidence of having been moved by previous site work or mixed with fill.

The available data on hazardous substance releases in the Hauppauge area do not indicate a risk to this property because of their relative distance away from the site and their direction with respect to groundwater flow. The building is served by public water supply and use of the building would therefore be unaffected in the unlikely event that an unknown plume of off-site groundwater contamination were to move beneath the property.

The following report describes the activities and the results of our investigation. EA is pleased to have provided this service to you and your client, Racanelli Associates.

Background Information

EA reviewed background information on the site which was provided by Impact Environmental (IE) as of March 1990. IE made a visual site inspection, reviewed Federal, State and local government documents and analyzed aerial photographs to check for indications of past or present environmental problems at the site. IE also inspected the newly constructed building at 800 Prime Place to check for hazardous materials even though the building had not been occupied or used in any way. IE found no evidence of hazardous substances in the building or on the surrounding property.

Continued . . .

85 FOREST AVENUE, LOCUST VALLEY, NEW YORK 11560 • (516) 671-8440
8000 EXCELSIOR DRIVE, SUITE 302, MADISON, WISCONSIN 53717-1914 • (608) 836-1500
315 W. HURON STREET, SUITE 220/240, ANN ARBOR, MICHIGAN 48104 • (313) 663-2144

LEONARD J. EDER, PE • FREDERICK H. INYARD, PE • STEPHEN J. OSMUNDSEN, PE • GARY A. ROZMUS, PE • WILLIAM J. CUNNINGHAM, PE
JOSEPH B. HEILMAN, PE • NICHOLAS A. ANDRIANAS, PE • WILLIAM M. WARREN • MICHAEL D. McLEOD • ROBERT W. TREFZ, PE, LS
MICHAEL J. McEACHERN, C.P.G. • TIM M. SWENSON, PE • STEPHEN HADJIYANE, PE

The NYSDEC currently maintains the publication of Inactive Hazardous Waste Disposal Site in New York State. This publication gives the location, extent of contamination, and remediation status of each site in New York State. A review of this publication by IE revealed that the subject property is part of a site listed by the NYSDEC as the Watch Hill Sand and Gravel Site (ID #1-52-084). The Subject property has been classified as a 2a site. Site classification 2a is assigned to sites for which there are inadequate data to assign it to any of the other NYSDEC classifications.

The New York State DEC, Bureau of Eastern Remedial Action, Division of Hazardous Material Remediation, Albany, New York, was contacted by IE for additional information. A Senior Sanitary Engineer of that division stated that a Phase I survey had been conducted and the results were inconclusive. The NYSDEC Region I office in Stony Brook is scheduled to begin a Phase II survey at some unspecified future date, however, the site is not regarded to have a high priority by NYSDEC. Such a survey would include sampling the soil and groundwater on-site. It should be noted that sand mining pits are often inadvertedly added to the state's Inactive Hazardous Waste List.

Properties adjoining 800 Prime Place are either vacant or have relatively new buildings on them. IE's government records searches did not reveal any spills or hazardous materials disposal/discharges on the property. Aerial photographs from 1947, 1962, 1972, 1977 and 1984 were examined by IE and they reveal sand mining activities of the former Watch Hill Sand and Gravel Company with construction fill being placed in mined-out areas. IE's findings of no environmental problems at the site included a recommendation for subsurface investigation of soil and groundwater. This recommendation has been followed and IE's findings of no environmental problems are confirmed by the subsurface geologic and groundwater data collected by EA in early May 1990.

The U.S. Geological Survey, Water Resources Division in Syosset, New York provided EA with computer printouts of water quality data from two local observation wells. Well S-24771 is located northwest of the site near the intersection of the Long Island Expressway and Adams Avenue, Well S45720 is located southeast of the site at Long Island Motor Parkway and Wheelers Road. Well S-24771 and S-45720 are approximately upgradient and downgradient of the site respectively. Both of these wells tap the shallow, water table aquifer. The only contaminants detected in significant amounts were trichloroethylene at 120 micrograms/liter (ug/l) and 1,1,1-trichloroethane at 85 ug/l in upgradient well S-24771. Downgradient well S-45720 contained only traces of 1,1,1-trichloroethane and toluene (<10 ug/l). The above data show that upgradient groundwater contains volatile organic compounds but these could not be attributed to 800 Prime Place or to the former Watch Hill Sand and Gravel property in general. These data also show that groundwater downgradient of the site is generally uncontaminated within the context of regional background.

Continued . . .

Site Reconnaissance

EA reviewed a plot plan of the subject property and soil boring logs which were drilled by Soil Mechanics Co. of Seaford, Long Island to establish soil characteristics for foundation design. EA visited the site on May 1990 and made a visual reconnaissance of the property and the surrounding area in preparation for monitoring well drilling.

U. S. Geological Survey water-level maps show that groundwater flow in the vicinity of the site is west-northwest to east-southeast. Based on this information one upgradient and two downgradient monitoring well locations were selected. The upgradient well location was selected to monitor groundwater entering beneath the site whereas the two downgradient wells locations would monitor groundwater leaving the site. Monitoring well locations are shown on Figure 1.

Monitoring Well Installation

Three monitoring wells were drilled between May 5 and May 8, 1990 by Delta Well & Pump Co. of Ronkonkoma, Long Island. The wells were drilled by the hollow-stem auger method and were constructed of 2-inch PVC plastic casing and screen. The PVC casing and screens were flush-jointed with threaded connections and no solvents or glues were used in construction. Each well has a 10-foot long screen of machine-slot design with 0.002 inch slot openings (20-slot). The screens were gravel-packed and the annular space around the casing was filled by first adding a 2-foot thick plug of bentonite pellets followed by backfill with high-solids bentonite-cement grout. The top of each well was finished at grade with a locking cap inside a cast-iron protective curb box which was cemented in place. The monitoring wells are located in areas which would not become flooded or would tend to form puddles in the event of rain. The depth to groundwater is about 60 feet below grade and the monitoring wells are about 70 feet deep. Monitoring well logs and construction diagrams are given in Attachment A.

Groundwater Sampling and Analysis

EA bailed each monitoring well after installation to develop the wells and to evacuate at least 6 times the volume of standing water in the wells. The wells produced relatively clear to moderately turbid water after development and purging.

Continued . . .

The monitoring wells were sampled with dedicated, teflon bailers. Samples were hand delivered to Eco-test laboratories in West Babylon, Long Island and were analyzed for volatile organic compounds (VOCs) and RCRA metals. Results showed that the samples contained only traces of three volatile organic compounds, none of which exceeded 3 micrograms/liter (ug/l). The VOCs which were detected were all below Federal Primary Drinking Water Standards (40 CFR 141.62) and results are summarized below:

	Well MW-1 (Background)	MW-2	MW-3	Drinking Water Standard
Chloroform	3	ND	ND	100
1,1-Dichloroethene	ND	ND	2	7
1,1-Dichloroethane	ND	1	3	5

All results are in ug/l; ND = not detected.

Metals analyses did not reveal any metals above Federal Primary Drinking Water Standards (40 CFR 141.11). EA monitoring well sampling logs and laboratory analytical results are given in Attachment B.

Summary

EA did not discover any indications of groundwater contamination beneath the subject property by analyzing water from upgradient and downgradient monitoring wells. Traces of VOCs were detected in the upgradient and downgradient groundwater samples and these results are typical for the water-table aquifer in Long Island unsewered areas where a variety of organic and inorganic contaminants have been discharged to groundwater through cesspools and septic systems. Local land-use including fuel storage, light industry plus runoff from roads and developed areas also contributes to background concentrations of organics, metals and salts in shallow groundwater.

Based on the above, EA does not believe that further investigation of 800 Prime Place is necessary and that the data which have been collected should convince the NYSDEC to release this property from the overall listing of the Watch Hill Sand and Gravel Site as an Inactive Hazardous Waste Disposal Site. It would be inappropriate to include 800 Prime Place in any future investigation pursuant to NYSDEC Phase 2 investigation requirements because the data clearly demonstrated that the site is not a source of groundwater contamination.

Very truly yours,

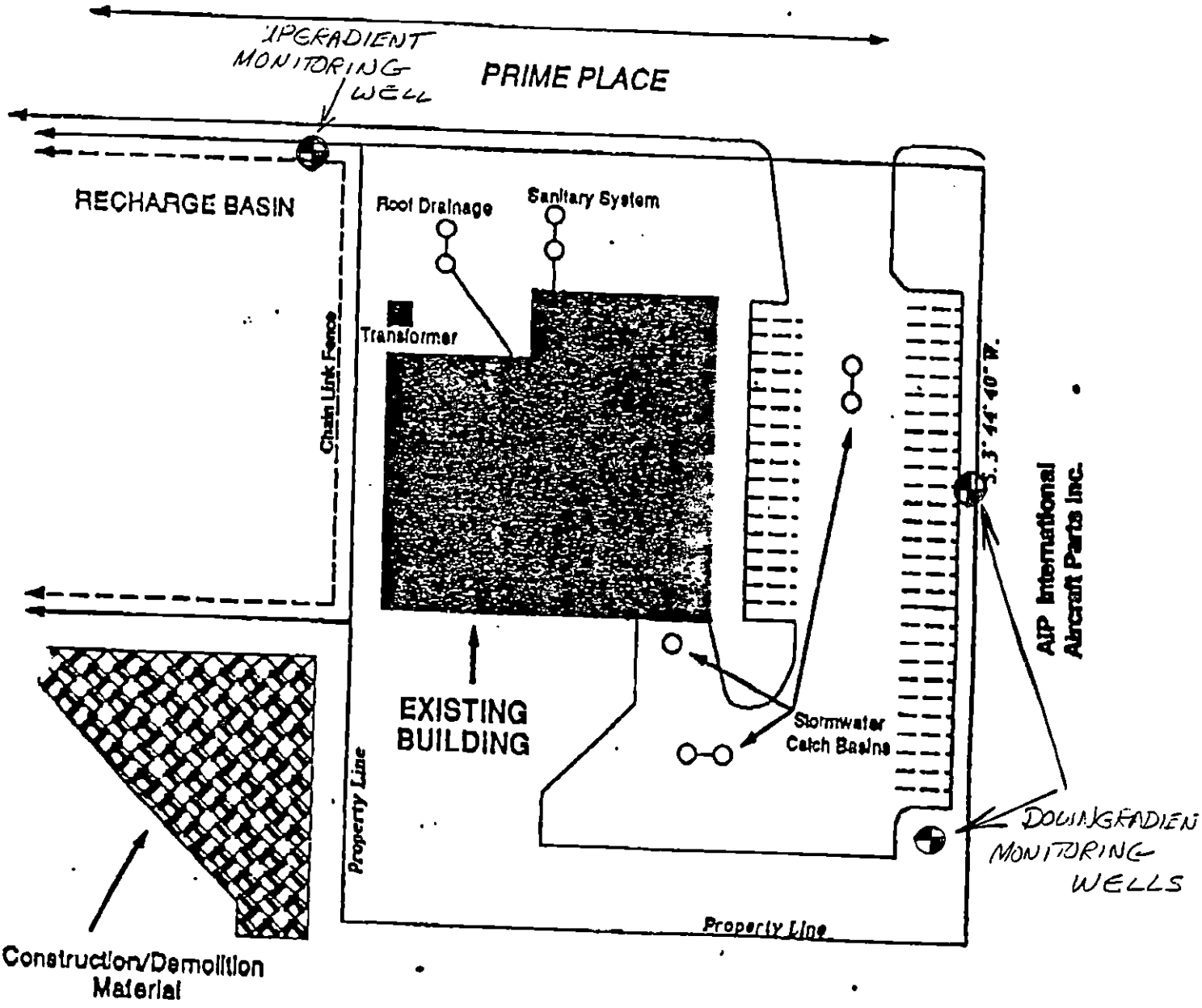
EDER ASSOCIATES CONSULTING ENGINEERS, P.C.

Michael J. McEachern
Associate

MJM/llv
#0303L

FIGURE 1

IMPACT ENVIRONMENTAL	
PLATE #3 Inspection Map	
SAGER ELECTRONICS - Hauppauge	
3-15-90 :90-004	
N.T.S.	R.G.



ATTACHMENT A

BORING

eder associates, consulting engineers p. c.
65 FOREST AVENUE LOCUST VALLEY, N.Y. 11560
2317 INTERNATIONAL LANE MADISON, WI. 53704

REPORT

DATE STARTED : 5/5/90	DATE FINISHED : 5/7/90	BORING No. MW-1
CLIENT : Nixon-Hargrave		PROJECT No : 565-6
PROJECT NAME & LOCATION : Racanelli Building-Hauppauge, New York		
REMARKS: Weather: Cloudy, drizzle, cool		
DRILLING CONTRACTOR : Delta Well and Pump	LOGGED BY: Jim Barish	DRILLER : Brian D

EQUIPMENT :	CASING :	SOIL SAMPLER : SPLIT SPOON		CORE BARREL	AUGER	MON. WELL (MW) PIPE	MON. WELL (MW) CAP	DRILL RIG AND METHOD
TYPE :		Stnd.			HS	PVC		HSA
SIZE :		2" x 24"			7¼	2"		
HAMMER WT / FALL				BIT				

SURFACE ELEVATION :

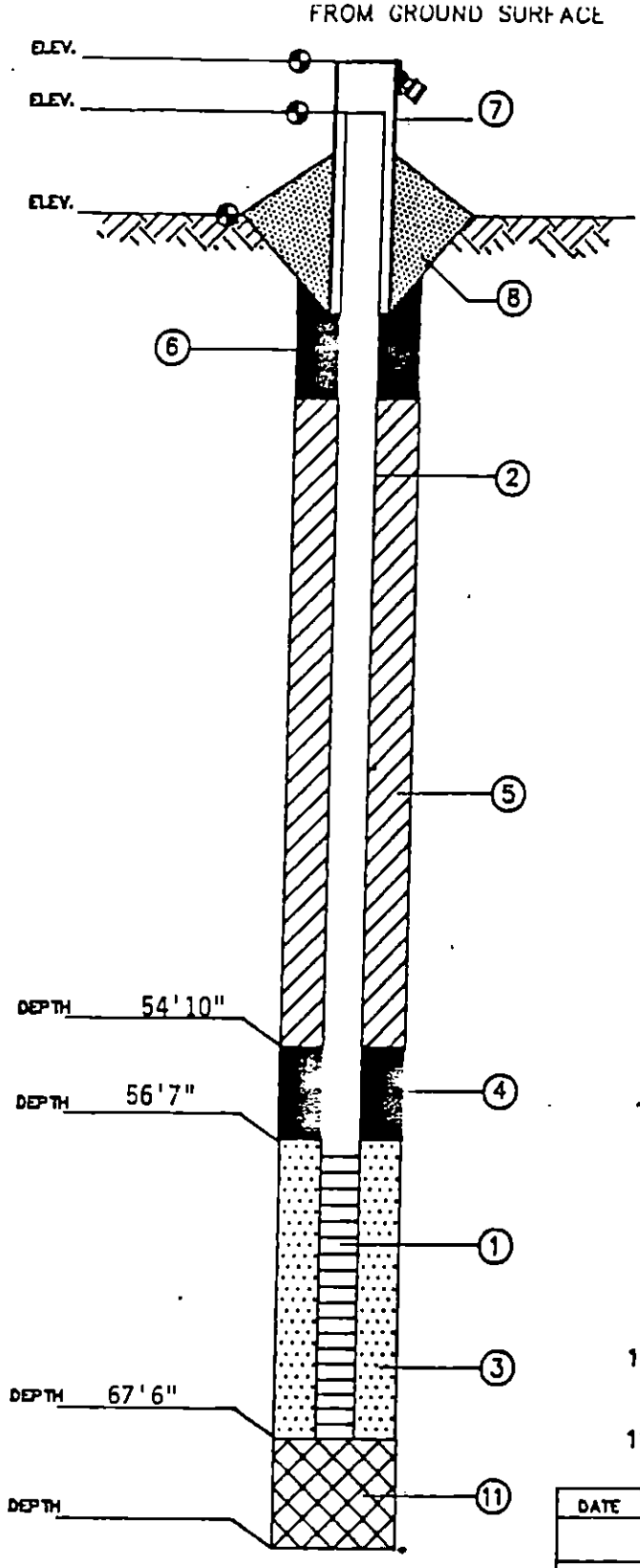
SURFACE CONDITIONS :

WATER LEVEL AT FT. AFTER HRS. FT. AFTER HRS.

DEPTH BELOW GRADE	OVA READINGS	SAMPLE TYPE AND No.	SAMPLE DEPTH (FROM – TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	BLOWS / 6" OR CORE TIME	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE=0–10% LITTLE=10–20% SOME=20–30% AND=35–50%
0								
5								
10		SS-1	9-11	M	0.7'			C-VC tan sand with little vf-f pebbles.
15								
20		SS-2	19-21	M	0.8'			C-VC tan sand with little vf-f pebbles, trace concrete

PROJECT NAME : Racanelli Building BORING No. MW-1 PROJECT No. 565-6 SHEET 2 OF 2

DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	CLASSIFICATION AND REMARKS TRACE =0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
25								
30		SS-3	29-31	M		1.0		C-VC tan sand with some vf-f pebbles
35								
40		SS-4	39-41	M		0.9		C-VC tan sand with some f-m pebbles
45								
50		SS-5	49-51	M		0.6		M-C tan sand with little f-pebbles
55								
60		SS-6	59-61	W		0.6		M-pebbles and C-VC tan sand
							67.5-	EOB



MONITORING WELL CONSTRUCTION INFORMATION

JOB No. 565-6 CLIENT Nixon-Hargrave

LOCATION Hauppauge, New York

DATE 5/5/90 WELL No. MW-1

HYDROGEOLOGIST Jim Barish

DRILLING CONTRACTOR Delta Well

1.) SCREEN TYPE PVC

SLOTTED LENGTH 10 ft.

SLOT SIZE 20

2.) SOLID PIPE TYPE PVC

SOLID PIPE LENGTH 57 ft.

PIPE & SCREEN DIA. 2 in.

JOINT TYPE – SLIP/GLUED THREADED XX

3.) TYPE OF BACKFILL AROUND SCREEN #2&3 Gravel Pack

4.) TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets

5.) TYPE OF BACKFILL Cement-Bentonite Grout

HOW INSTALLED Poured from surface

6.) TYPE OF SURFACE SEAL (IF INSTALLED)

7.) PROTECTIVE CASING – YES XX NO

LOCKING CAP YES XX NO

8.) CONCRETE SEAL – YES XX NO

9.) DRILLING METHOD HSA

10.) ADDITIVES USED (IF ANY)

11.) TYPE OF BACKFILL

WATER LEVEL CHECKS *

DATE	TIME	DEPTH TO WATER	REMARKS

* FROM TOP OF WELL CASING

BORING

eder associates, consulting engineers p. c.
85 FOREST AVENUE LOCUST VALLEY, N.Y. 11560
2317 INTERNATIONAL LANE MADISON, WI. 53704

REPORT

DATE STARTED : 5/7/90	DATE FINISHED : 5/8/90	BORING No. MW-2
CLIENT : Nixon-Hargrave		PROJECT No : 565-6
PROJECT NAME & LOCATION : Racanelli Building-Hauppauge, New York		
REMARKS: Weather: Partly sunny, breezy, mild		
DRILLING CONTRACTOR : Delta Well and Pump	LOGGED BY: Jim Barish	DRILLER : Brian D.

EQUIPMENT :	CASING :	SOIL SAMPLER : SPLIT SPOON		CORE BARREL	AUGER	MON. WELL (MW) PIPE	MON. WELL (MW) CAP	DRILL RIG AND METHOD
TYPE :		Stnd.			HS	PVC		HSA
SIZE :		2" x 24"			7¼	2"		
HAMMER WT / FALL				BIT				

SURFACE ELEVATION :

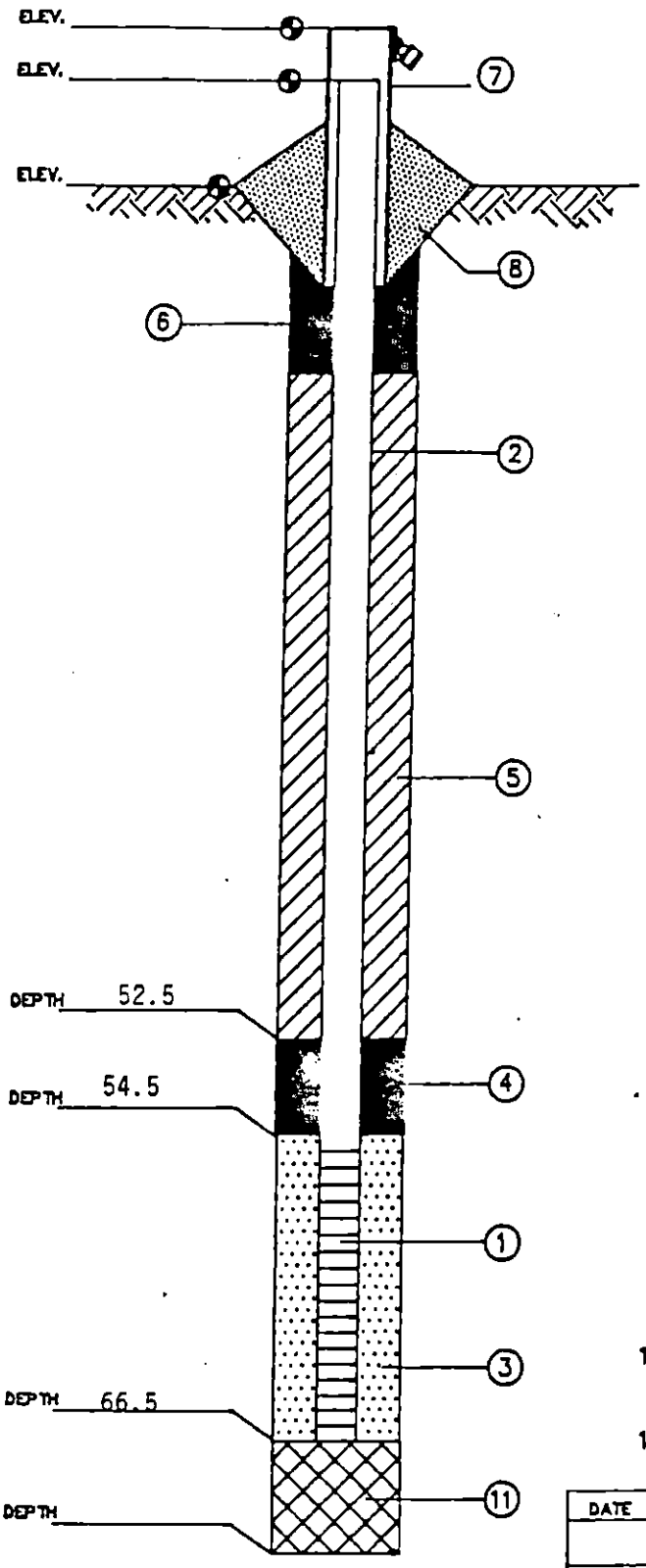
SURFACE CONDITIONS :

WATER LEVEL AT FT. AFTER HRS. FT. AFTER HRS.

DEPTH BELOW GRADE	OVA READINGS	SAMPLE TYPE AND No.	SAMPLE DEPTH (FROM – TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	BLOWS / 6" OR CORE TIME	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE=0–10% LITTLE=10–20% SOME=20–30% AND=35–50%
0								
5								
10		SS-1	9-11	M				Gr. fill w/brick and wood frags M-C tan sand, slightly wet
15								
20		SS-2	19-21	M				Fill with trace asphalt frags, M-VC tan sand w/little f-pebbles.

PROJECT NAME : Racanelli Building BORING No. MW-2 PROJECT No. 565-6 SHEET 2 OF 2

DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	CLASSIFICATION AND REMARKS TRACE =0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
25								
30		SS-3	29-31	M				C-VC tan sand w/some M-sand and some vf-f pebbles
35								
40		SS-4	39-41	M				M-C tan sand w/some VC-sand and some vf-pebbles
45								
50		SS-5	49-51	M				M-C tan sand w/some vf-pebbles
55								
60		SS-6	59-61	W				M-C pebbles w/some M-C tan sand
							66.5-	EOB



MONITORING WELL CONSTRUCTION INFORMATION

JOB No. 565-6 CLIENT Nixon-Hargrave

LOCATION Racanelli Building-Hauppauge

DATE 5/7/90 WELL No. MW-2

HYDROGEOLOGIST Jim Barish

DRILLING CONTRACTOR Delta Well

1.) SCREEN TYPE PVC

SLOTTED LENGTH 10 ft.

SLOT SIZE 20

2.) SOLID PIPE TYPE PVC

SOLID PIPE LENGTH 56 ft.

PIPE & SCREEN DIA. 2 in.

JOINT TYPE – SLIP/GLUED ____ THREADED XX

3.) TYPE OF BACKFILL AROUND SCREEN #2&3 Gravel Pack

4.) TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets

5.) TYPE OF BACKFILL Cement-Bentonite Grout

HOW INSTALLED Poured from surface

6.) TYPE OF SURFACE SEAL (IF INSTALLED)

7.) PROTECTIVE CASING – YES XX NO ____

LOCKING CAP YES XX NO ____

8.) CONCRETE SEAL – YES XX NO ____

9.) DRILLING METHOD HSA

10.) ADDITIVES USED (IF ANY)

11.) TYPE OF BACKFILL

WATER LEVEL CHECKS *

DATE	TIME	DEPTH TO WATER	REMARKS

* FROM TOP OF WELL CASING

BORING

eder associates, consulting engineers p. c.
85 FOREST AVENUE LOCUST VALLEY, N.Y. 11560
2317 INTERNATIONAL LANE MADISON, WI. 53704

REPORT

DATE STARTED : 5/8/90	DATE FINISHED : 5/9/90	BORING No. MW-3
CLIENT : Nixon-Hargrave		PROJECT No : 565-6
PROJECT NAME & LOCATION : Racanelli Building-Hauppauge, New York		
REMARKS: Weather: Sunny, breezy, mild		
DRILLING CONTRACTOR : Delta Well and Pump	LOGGED BY: Jim Barish	DRILLER : Brian D.

EQUIPMENT :	CASING :	SOIL SAMPLER : SPLIT SPOON		CORE BARREL	AUGER	MON. WELL (MW) PIPE	MON. WELL (MW) CAP	DRILL RIG AND METHOD
TYPE :		Stnd.			HS	PVC		HSA
SIZE :		2" x 24"			7¼	2"		
HAMMER WT / FALL				BIT				

SURFACE ELEVATION :

SURFACE CONDITIONS :

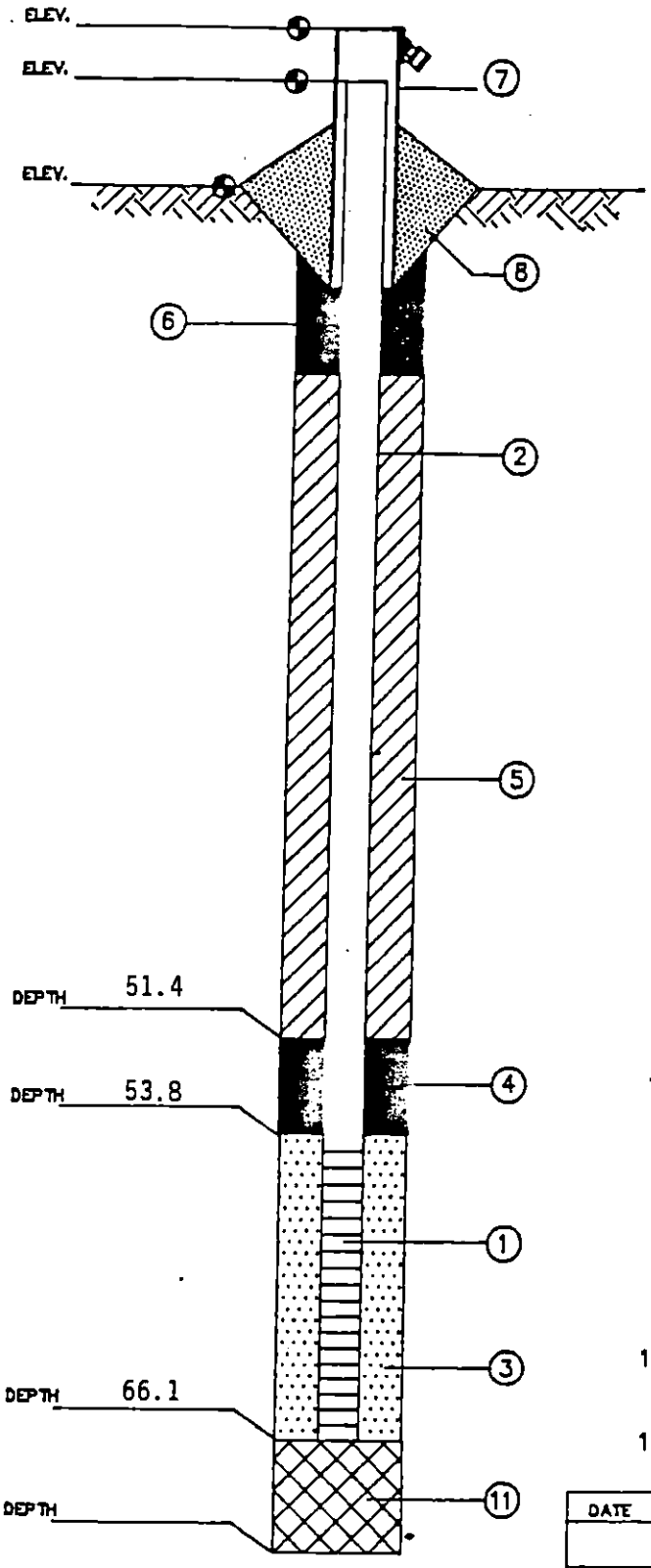
WATER LEVEL AT FT. AFTER HRS. FT. AFTER HRS.

DEPTH BELOW GRADE	OVA READINGS	SAMPLE TYPE AND No.	SAMPLE DEPTH (FROM – TO)	SAMPLE MOISTURE CONTENT	SAMPLE RECOVERY	BLOWS / 6" OR CORE TIME	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE=0–10% LITTLE=10–20% SOME=20–30% AND=35–50%
0								
5								
10		SS-1	9-11	M				Gr. fill w/M-C tan sand, little vf-f pebbles
15								
20		SS-2	19-21	M				M-C tan sand w/some vf-f pebbles

PROJECT NAME : Racanelli Building BORING No. MW-3 PROJECT No. 565-6 SHEET 2 OF 2

DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	CLASSIFICATION AND REMARKS TRACE =0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
25								
30		SS-3	29-31	M				M-C tan sand w/some vf-f pebbles
35								
40		SS-4	39-41	M				M-C tan sand w/vf-f pebbles, some silt
45								
50		SS-5	49-51	M				M-C tan sand w/little vf-f pebbles
55								
60		SS-6	59-61	W				M-C tan sand w/little vf-f pebbles, trace M-pebbles
							66.1-	EOB

ALL DEPTHS MEASURED
FROM GROUND SURFACE



... Associates Consulting Engineers, P.

MONITORING WELL CONSTRUCTION INFORMATION

JOB No. 565-6 CLIENT Nixon-Hargrave

LOCATION Racanelli Building-Hauppauge

DATE 5/8/90 WELL No. MW-3

HYDROGEOLOGIST Jim Barish

DRILLING CONTRACTOR Delta Well

1.) SCREEN TYPE PVC

SLOTTED LENGTH 10 ft.

SLOT SIZE 20

2.) SOLID PIPE TYPE PVC

SOLID PIPE LENGTH 56 ft.

PIPE & SCREEN DIA. 2 in.

JOINT TYPE – SLIP/GLUED THREADED XX

3.) TYPE OF BACKFILL AROUND SCREEN #2&3 Gravel Pack

4.) TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets

5.) TYPE OF BACKFILL Cement-Bentonite Grout

HOW INSTALLED Poured from surface

6.) TYPE OF SURFACE SEAL (IF INSTALLED)

7.) PROTECTIVE CASING – YES XX NO

LOCKING CAP YES XX NO

8.) CONCRETE SEAL – YES XX NO

9.) DRILLING METHOD HSA

10.) ADDITIVES USED (IF ANY)

11.) TYPE OF BACKFILL

WATER LEVEL CHECKS *

DATE	TIME	DEPTH TO WATER	REMARKS

* FROM TOP OF WELL CASING

ATTACHMENT B

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C901420 05/14/90

Eder Associates, Consulting Engineers
85 Forest Avenue
Locust Valley, NY 11560
ATTN: Jim Barish

SOURCE OF SAMPLE: Racanelli Bldg-Hauppauge, #565-6
COLLECTED BY: Client DATE COL'D:05/07/90 RECEIVED:05/08/90

SAMPLE: Water sample, MW-1 @ 2:15

ANALYTICAL PARAMETERS		
Arsenic as As	mg/L	0.007
Barium as Ba	mg/L	0.19
Cadmium as Cd	mg/L	<0.001
Chromium as Cr	mg/L	0.020
Lead as Pb	mg/L	0.030
Mercury as Hg	mg/L	<0.00025
Selenium as Se	mg/L	<0.002
Silver as Ag	mg/L	<0.001

ANALYTICAL PARAMETERS

cc:

REMARKS:

DIRECTOR

rn= 6308 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C901447 05/14/90

Eder Associates, Consulting Engineers
85 Forest Avenue
Locust Valley, NY 11560
ATTN: Jim Barrish

SOURCE OF SAMPLE: Racanelli Bldg., Hauppauge, #565-6
COLLECTED BY: Client DATE COL'D:05/09/90 RECEIVED:05/09/90

SAMPLE: Water sample, MW-3

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	2
11 Dichloroethane	ug/L	3
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<1
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR

rn= 6427 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C901447 05/14/90

Eder Associates, Consulting Engineers
85 Forest Avenue
Locust Valley, NY 11560
ATTN: Jim Barrish

SOURCE OF SAMPLE: Racanelli Bldg., Hauppauge, #565-6
COLLECTED BY: Client DATE COL'D:05/09/90 RECEIVED:05/09/90

SAMPLE: Water sample, MW-3

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	0.004	
Barium as Ba	mg/L	0.22	
Cadmium as Cd	mg/L	<0.001	
Chromium as Cr	mg/L	0.04	
Lead as Pb	mg/L	0.018	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	<0.001	

cc:

REMARKS:

DIRECTOR _____

rn= 6426 NYSDOH ID# 10320

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

MONITOR WELL SAMPLING LOG

CLIENT/PROJECT No. Nixon-Hargrave 565-6

SAMPLING POINT MW-1

SAMPLE I.D. No. MW-1 SAMPLED BY Jim Barish

DATE SAMPLED 5/7/90 TIME 12:40

STATIC WATER ELEV. 57.31 FT. BELOW MEASURING POINT

TOTAL WELL DEPTH 67.09 FT. BELOW MEASURING POINT

WELL DEVELOPMENT

METHOD: [XX] BAILER [ ] SUBMERSIBLE PUMP [ ] OTHER

TYPE:

No. CASING VOLUMES REMOVED: 15 GALLONS: 24

SAMPLE APPEARANCE: Turbid

ODORS OBSERVED: None

WELL RECOVERY: Good

CONDUCTIVITY: 194 pH: 5.93

TEMPERATURE 18.5 °C.

SAMPLES ANALYZED FOR: VOCs 601/602 & RCRA Metals

LABORATORY USED: Ecotest

COMMENTS:

V = 0.17 x 9.78
V = 1.6

	V_3	V_6	V_9	V_{12}	V_{15}
pH	7.1	6.05	6.06	5.93	5.93
Cond	241	208	197	199	194
T	19.7	18.5	18.5	18.4	18.5

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C901433 05/11/90

Eder Associates, Consulting Engineers
85 Forest Avenue
Locust Valley, NY 11560
ATTN: Jim Barish

SOURCE OF SAMPLE: Racanelli Bldg., Hauppauge, Project #565-6
COLLECTED BY: Client DATE COL'D:05/08/90 RECEIVED:05/08/90

SAMPLE: Water sample, MW-2, 100

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	<1
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<1
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR

rn= 6357 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C901433 05/11/90

Eder Associates, Consulting Engineers
85 Forest Avenue
Locust Valley, NY 11560
ATTN: Jim Barish

SOURCE OF SAMPLE: Racanelli Bldg., Hauppauge, Project #565-6
COLLECTED BY: Client DATE COL'D:05/08/90 RECEIVED:05/08/90

SAMPLE: Water sample, MW-2, 100

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	<0.002	
Barium as Ba	mg/L	0.095	
Cadmium as Cd	mg/L	<0.001	
Chromium as Cr	mg/L	0.010	
Lead as Pb	mg/L	<0.005	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	<0.001	

cc:

REMARKS:

DIRECTOR

rn= 6358 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777

LAB NO. C901420 05/14/90

Eder Associates, Consulting Engineers
85 Forest Avenue
Locust Valley, NY 11560
ATTN: Jim Barish

SOURCE OF SAMPLE: Racanelli Bldg-Hauppauge, #565-6
COLLECTED BY: Client DATE COL'D:05/07/90 RECEIVED:05/08/90

SAMPLE: Water sample, MW-1 @ 2:15

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Bromomethane	ug/L	<1
Dichlordifluomethane	ug/L	<2
Vinyl Chloride	ug/L	<1
Chloroethane	ug/L	<1
Methylene Chloride	ug/L	<1
Trichlorofluomethane	ug/L	<2
11 Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
12 Dichloroethene	ug/L	<1
Chloroform	ug/L	3
12 Dichloroethane	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Bromodichloromethane	ug/L	<1
12 Dichloropropane	ug/L	<1
t 13 Dichloropropene	ug/L	<2
Trichloroethylene	ug/L	<1
Chlorodibromomethane	ug/L	<2
112 Trichloroethane	ug/L	<2
c 13 Dichloropropene	ug/L	<2
2chloroethvinylether	ug/L	<2
Bromoform	ug/L	<2
1122Tetrachloroethan	ug/L	<2
Tetrachloroethene	ug/L	<1

ANALYTICAL PARAMETERS		
Chlorobenzene	ug/L	<2
13 Dichlorobenzene	ug/L	<2
12 Dichlorobenzene	ug/L	<2
14 Dichlorobenzene	ug/L	<2
Benzene	ug/L	<1
Toluene	ug/L	<1
Ethyl Benzene	ug/L	<1
m Xylene	ug/L	<2
o+p Xylene	ug/L	<4

cc:

REMARKS:

DIRECTOR Thomas R. Gillespie

rn= 6309 NYSDOH ID# 10320

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

MONITOR WELL SAMPLING LOG

CLIENT/PROJECT No. Nixon-Hargrave 565-6

SAMPLING POINT MW-2

SAMPLE I.D. No. MW-2 SAMPLED BY Jim Barish

DATE SAMPLED 5/8/90 TIME 1:00

STATIC WATER ELEV. 58.32 FT. BELOW MEASURING POINT

TOTAL WELL DEPTH 68.38 FT. BELOW MEASURING POINT

WELL DEVELOPMENT

METHOD: [XX] BAILER [ ] SUBMERSIBLE PUMP [ ] OTHER

TYPE:

No. CASING VOLUMES REMOVED: 15 GALLONS: 25.65

SAMPLE APPEARANCE: Slightly turbid

ODORS OBSERVED: None

WELL RECOVERY: Good

CONDUCTIVITY: 246 pH: 6.16

TEMPERATURE 19.8 °C.

SAMPLES ANALYZED FOR: VOCs (601/602) and RCRA Metals

LABORATORY USED: Ecotest

COMMENTS:

V = 0.17 X 10.06
V = 1.71 gals

	V_3	V_6	V_9	V_{12}	V_{15}
pH	6.96	6.23	6.24	6.18	6.16
Cond	276	267	253	237	246
T	22.5	20.7	21.3	20.1	19.8

eder associates, consulting engineers p.c.
85 FOREST AVE, LOCUST VALLEY, NEW YORK 11560

MONITOR WELL SAMPLING LOG

CLIENT/PROJECT No. Nixon-Hargrave 565-6

SAMPLING POINT MW-3

SAMPLE I.D. No. MW-3 SAMPLED BY Jim Barish

DATE SAMPLED 5/9/90 TIME 10:50

STATIC WATER ELEV. 60.06 FT. BELOW MEASURING POINT

TOTAL WELL DEPTH 68.38 FT. BELOW MEASURING POINT

WELL DEVELOPMENT

METHOD: ☒ BAILER ☐ SUBMERSIBLE PUMP ☐ OTHER

TYPE:

No. CASING VOLUMES REMOVED: 4.2 GALLONS: 6

SAMPLE APPEARANCE: Slightly turbid

ODORS OBSERVED: None

WELL RECOVERY: Good

CONDUCTIVITY: 180 pH: 6.19

TEMPERATURE NA °C.

SAMPLES ANALYZED FOR: VOCs - RCRA Metals

LABORATORY USED: Ecotest

COMMENTS:

V = 0.17 X 8.32
V = 1.41

	V_1	V_2	V_3	V_4	V_5	V_6
pH	—	6.83	—	6.36	—	6.19
Cond	—	164	—	170	—	180
T	NA					