EXPANDED SITE INSPECTION FINAL REPORT

DENTON AVENUE LANDFILL
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NASSAU COUNTY, NEW YORK
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Volume III

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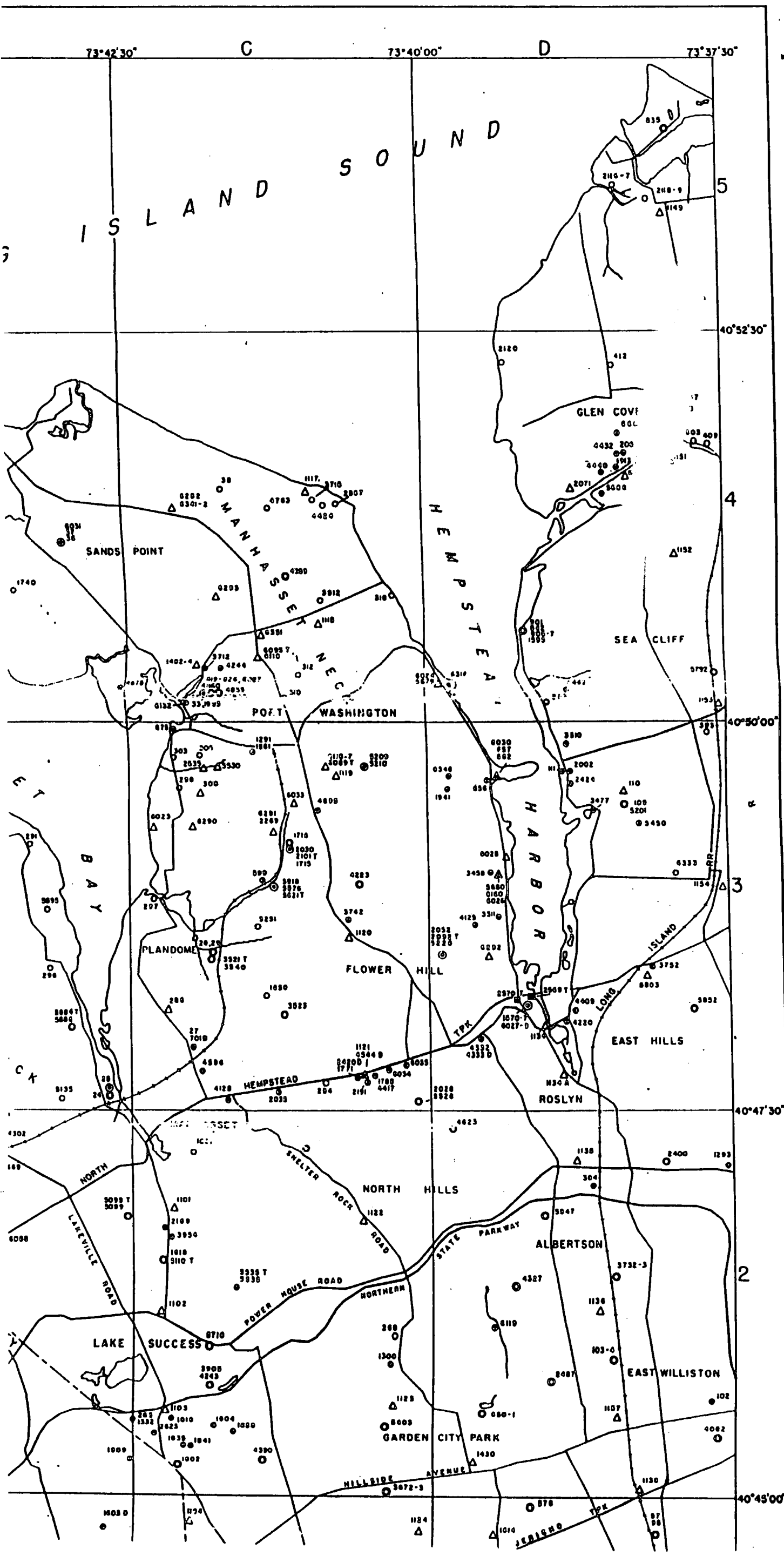
REFERENCES
(No.s 19 - 34)



EXPLANATION

1293
Well number (Prefix Q, Queens or N, Nassau omitted)

T Test well
D Diffusion well

Public supply well

Public supply well and observation well at same site

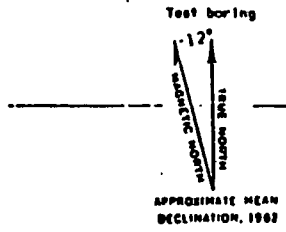
Industrial well

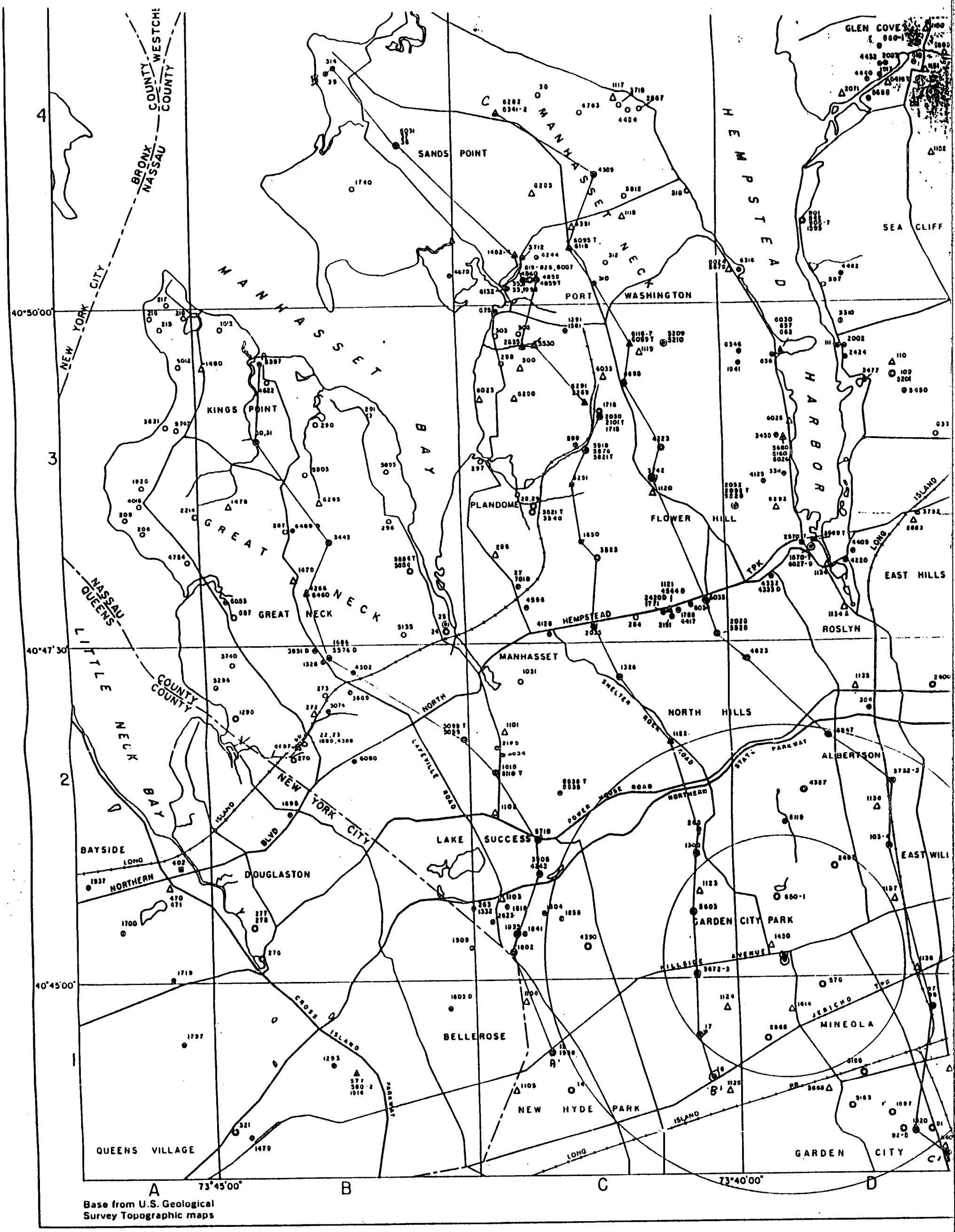
Industrial well and observation well at same site

Observation well

Domestic supply well

Test boring



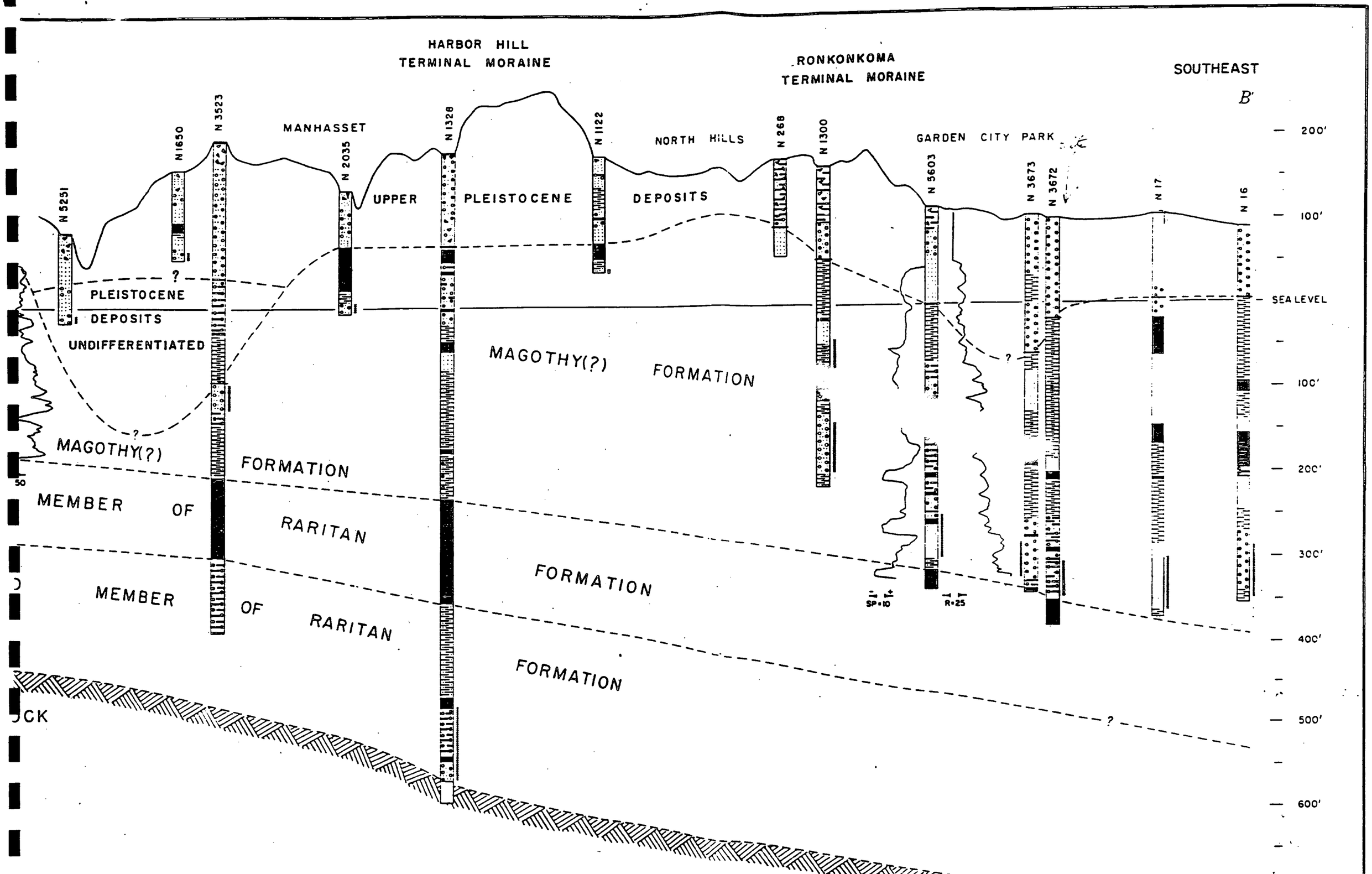


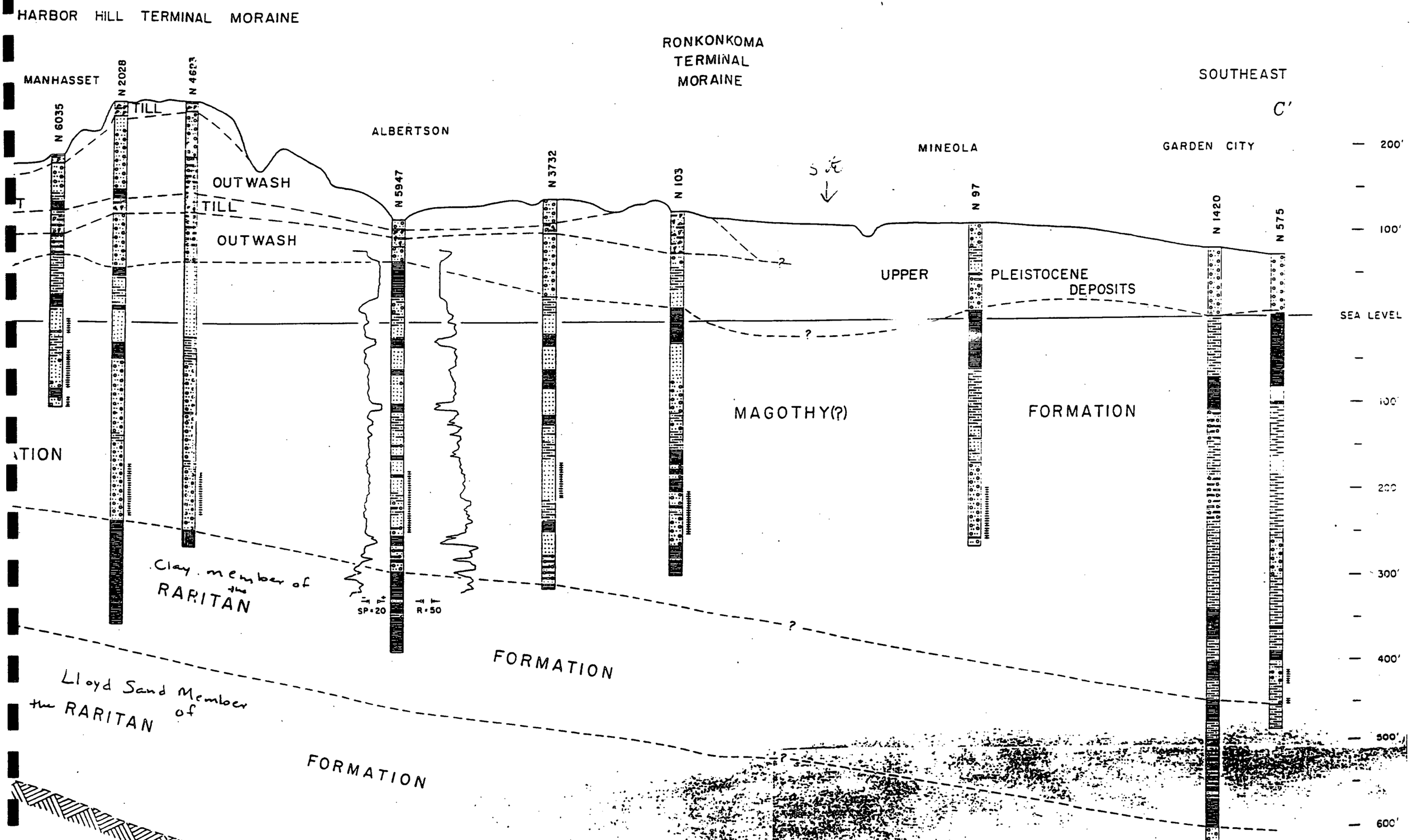
Base from U.S. Geological Survey Topographic maps

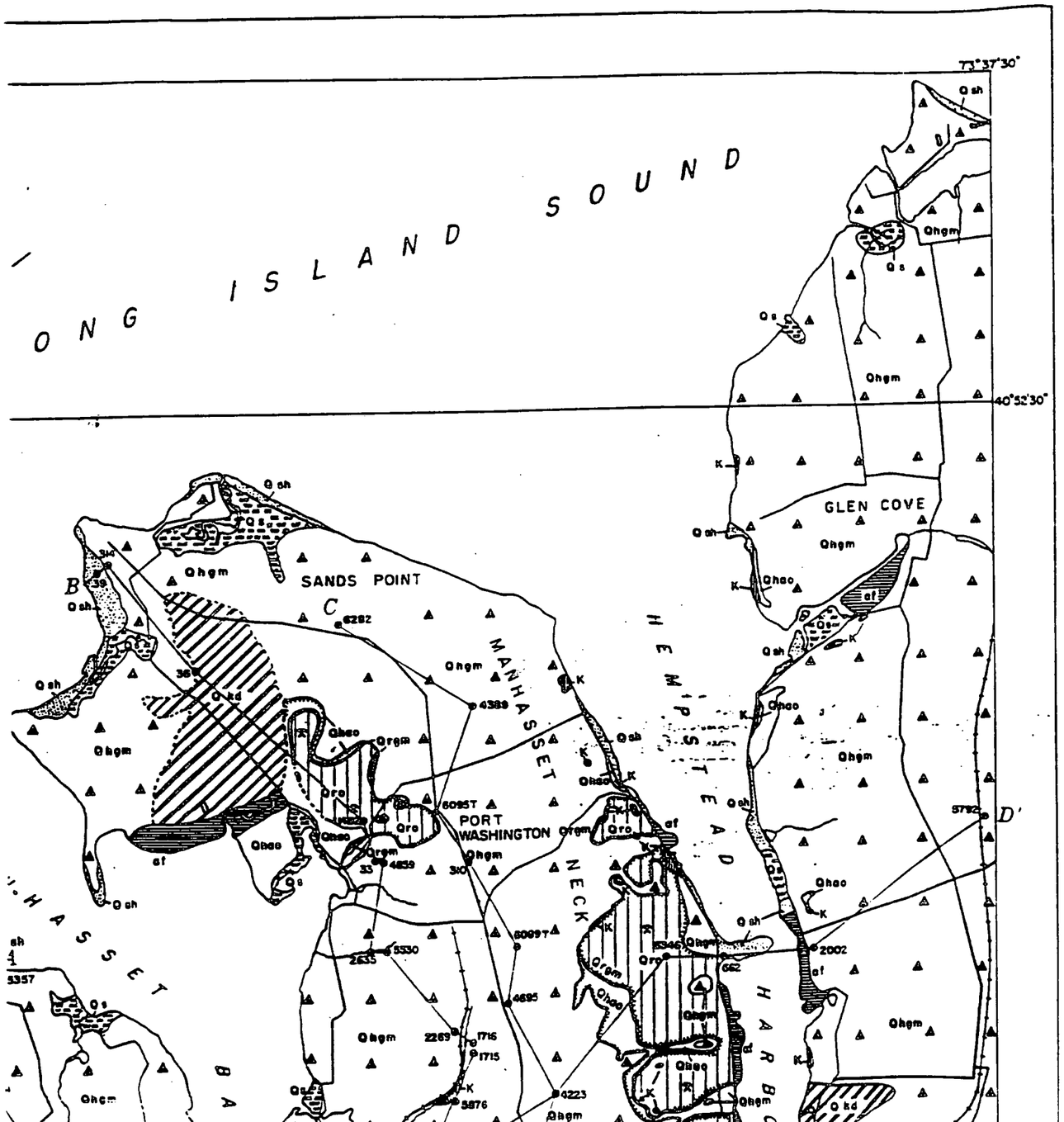
MAP OF NORTHWESTERN NASSAU AND NORTHEASTERN QUEENS CO
NEW YORK, SHOWING LOCATION OF WELLS AND TEST BORING

SCALE 1:48 000

1 ½ 0 1 MILE


HARBOR HILL
TERMINAL MORAINE
RONKONKOMA
TERMINAL MORAINE
SOUTHEAST
B'
MANHASSET
NORTH HILLS
GARDEN CITY PARK
N 5251
N 1650
N 3523
N 2035
N 1328
N 1122
N 268
N 1300
N 5603
N 3673
N 3672
N 17
N 16
UPPER
PLEISTOCENE
DEPOSITS
PLEISTOCENE
DEPOSITS
UNDIFFERENTIATED
MAGOTHY(?)
FORMATION
MAGOTHY(?)
FORMATION
MEMBER OF
RARITAN
FORMATION
MEMBER OF
RARITAN
FORMATION
SP=10
R=25
200'
100'
SEA LEVEL
100'
200'
300'
400'
500'
600'


HARBOR HILL TERMINAL MORAINE
RONKONKOMA TERMINAL MORAINE
MANHASSET
SOUTHEAST
C'
N 6035
N 2028
N 4623
TILL
ALBERTSON
N 5947
N 3732
N 103
MINEOLA
N 97
GARDEN CITY
N 1420
N 575
OUTWASH
TILL
OUTWASH
UPPER
PLEISTOCENE DEPOSITS
MAGOTHY(?)
FORMATION
SP=20
R=50
Clay member of the RARITAN
FORMATION
Lloyd Sand Member of the RARITAN
FORMATION
200'
100'
SEA LEVEL
100'
200
300'
400'
500'
600'



EXPLANATION

QUATERNARY

Recent

Qsh — Shoreline deposits
Chiefly well sorted sand, gravel, and pebbles deposited by current and (or) wave action, as beaches, spits, and bars along shore

Qal — Alluvial deposits
Stream-deposited sand and silt; may contain small amount of organic material

Qs — Swamp deposits
Sand, silt, and clay, mixed with decaying plant debris accumulated in marshy areas

Pleistocene

Harbor Hill drift

Qac — Outwash in channels
Stratified sand and gravel deposited in meltwater channels overreaching the Harbor Hill terminal moraine

Qop — Outwash plain
Well sorted and stratified sand and gravel of fluvioglacial origin; may include some Ronkonkoma outwash

Qpp — Pitted outwash plain
Outwash plain of sand and gravel with irregular depressions that are due to melting of buried or partly buried ice blocks; may include some Ronkonkoma outwash

Qkt — Kame terrace
Stratified sand and gravel deposited along valley walls by glacial streams

Qkd — Kame delta
Horizontally bedded sand and gravel overlying steeply inclined, well-sorted sand and gravel strata

Qhgm — Harbor Hill ground moraine
Till, unassorted mixture of clay, sand, and boulders deposited by glacial ice. Forming thin veneer over area north of Harbor Hill terminal moraine, average thickness about 5-10 feet, locally as much as 40 feet

Qhtm — Harbor Hill terminal moraine
Thick accumulation of unassorted till and stratified sand and gravel marking stationary front of ice sheet

Qhao — Harbor Hill advance outwash
Well-stratified sand and gravel; largely proglacial outwash from Harbor Hill ice sheet; may include some Ronkonkoma recessional outwash

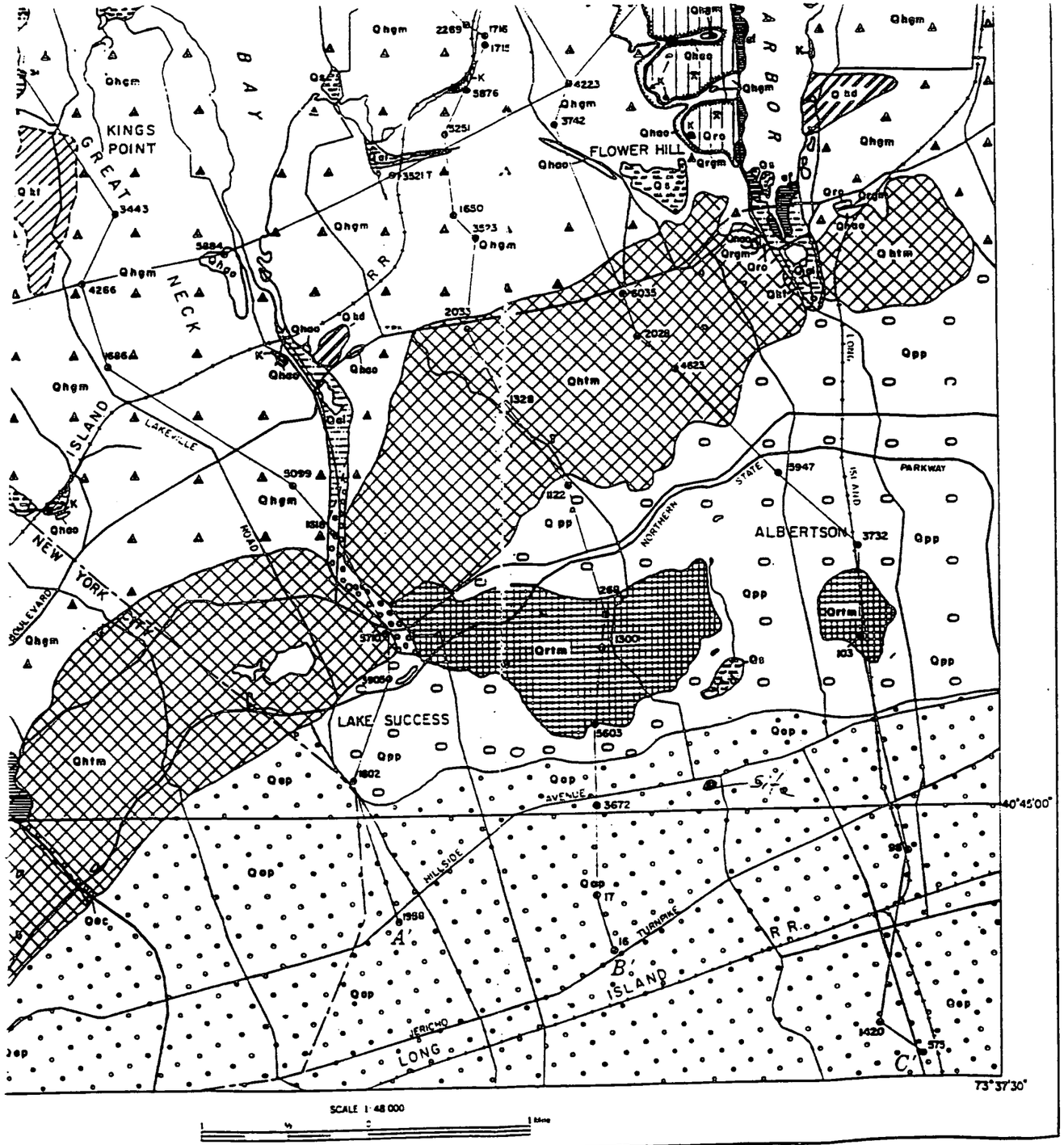
Ronkonkoma drift

Qrgm — Ronkonkoma ground moraine
Till, unassorted mixture of clay, sand, and boulders deposited by glacial ice. Exposed in gravel pits on Manhasset Neck. Average thickness 5-15 feet, discontinuous and locally grading into stratified sand and gravel.

Qrtm — Ronkonkoma terminal moraine
Accumulation of unassorted till and stratified sand and gravel marking stationary front of ice sheet

Qrc — Ronkonkoma outwash
Well-stratified sand and gravel; largely proglacial outwash from Ronkonkoma ice sheet

—K



Upper Cretaceous

Ronkonkoma outwash

Well-stratified sand and gravel; largely proglacial outwash from Ronkonkoma ice sheet

Qrc—K

Cretaceous outcrop

Exposures of clayey sand and solid clay of various colors; lignite, pyrite, and ferruginous concretions. Including outcrops of Raritan and Magothy(?) formations, frequently deformed by ice thrust

Qfl

Artificial fill

Contact

Dashed where gradational or approximately located

Sand and gravel pit

Approximate boundaries of major pits shown by hachures

2269
A—A'

Geologic section

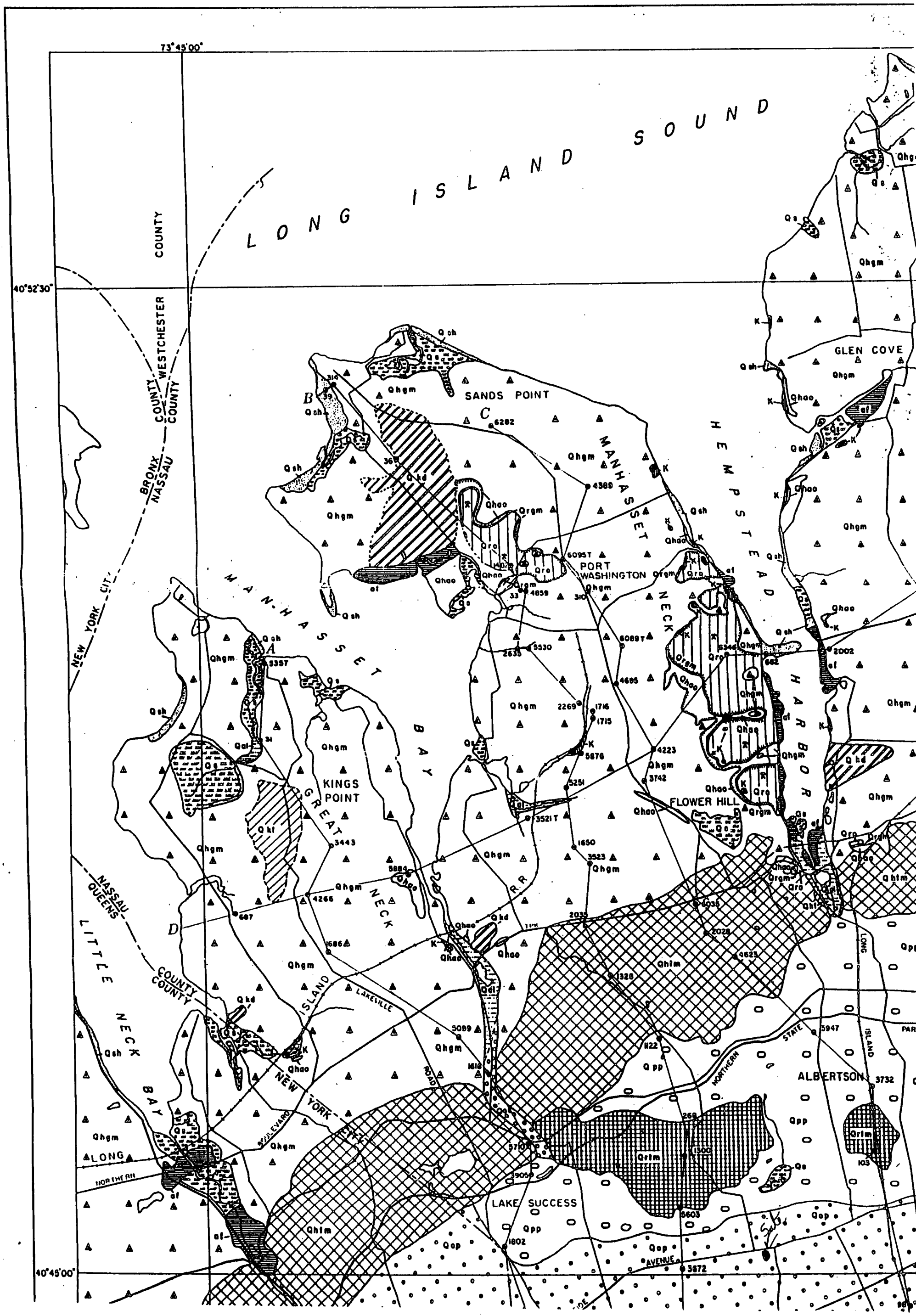
Sections A-A', B-B', C-C', and D-D' shown on plates 6-7

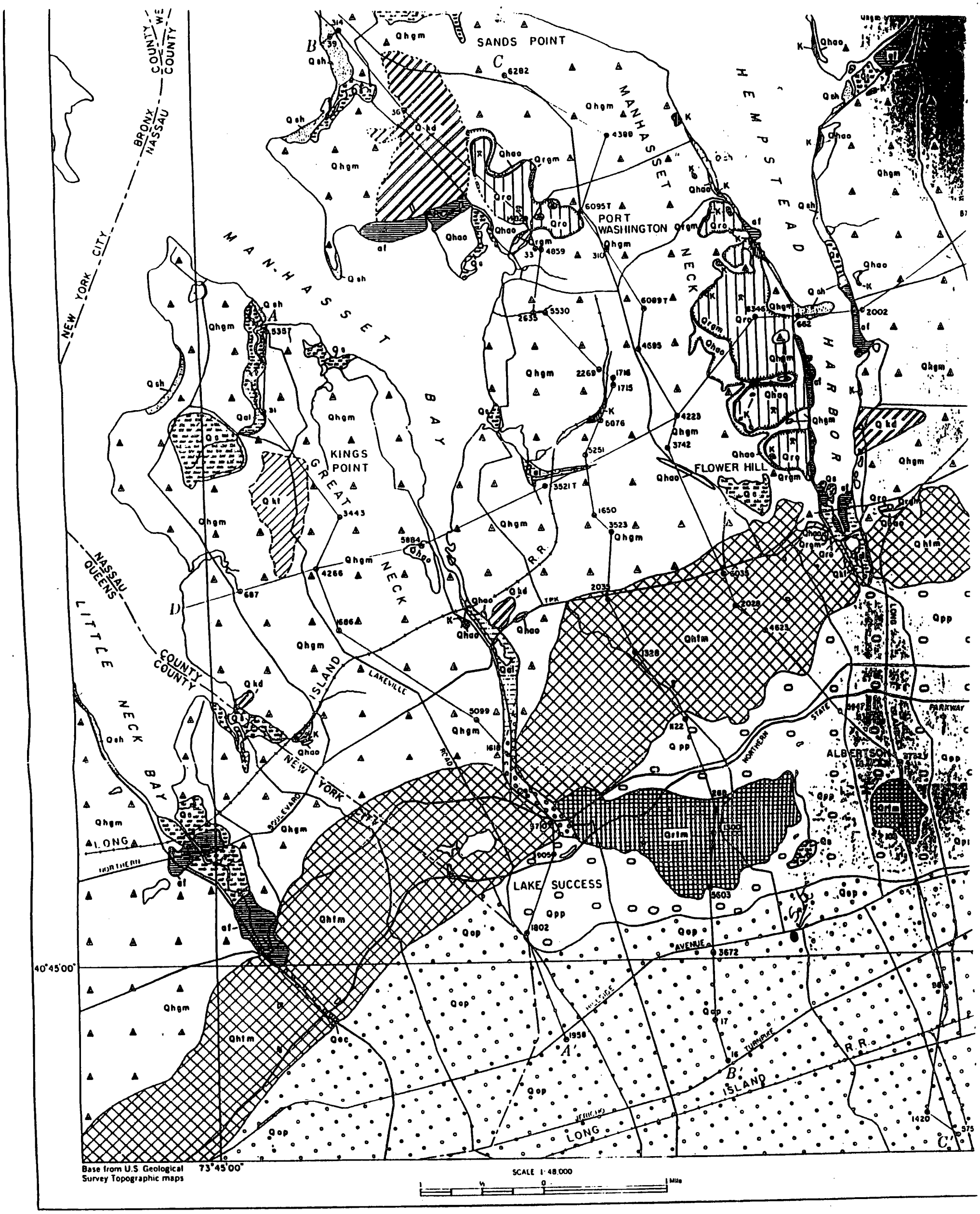
CRETACEOUS

NORTHWESTERN NASSAU AND NORTHEASTERN QUEENS COUNTIES, NEW YORK, SHOWING UNCONSOLIDATED SURFICIAL DEPOSITS

690-186 O - 63 (Plate No. 8)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





GEOLOGIC MAP OF NORTHWESTERN NASSAU AND NORTHEASTERN QUEENS COUN

REFERENCE NO. 19

Water-Transmitting Properties of Aquifers on Long Island, New York

GEOLOGICAL SURVEY PROFESSIONAL PAPER 627-E

Prepared in cooperation with the New York State Department of Conservation, Division of Water Resources; the Nassau County Department of Public Works; the Suffolk County Board of Supervisors; and the Suffolk County Water Authority

Water-Transmitting Properties of Aquifers on Long Island, New York

By N. E. McCLYMONDS *and* O. L. FRANKE

HYDROLOGY AND SOME EFFECTS OF URBANIZATION ON LONG ISLAND, NEW YORK

GEOLOGICAL SURVEY PROFESSIONAL PAPER 627-E

Prepared in cooperation with the New York State Department of Conservation, Division of Water Resources; the Nassau County Department of Public Works; the Suffolk County Board of Supervisors; and the Suffolk County Water Authority

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The average point hydraulic conductivities then were plotted and contoured in the fourth and final step (pls. 1*B*, 2*B*, 3*B*, and fig. 14). Commonly, the point hydraulic conductivities ranged widely, even between nearby wells. Thus, the contour lines were drawn to follow the general trend of the plotted data; however, their positions were also influenced by available information on the areal changes in lithologic character of the aquifers in various parts of Long Island.

Regional transmissivity maps of each aquifer (pls. 1*C*, 2*C*, 3*C*, and fig. 15) were developed from the average hydraulic conductivity and thickness maps by multiplying the aquifer thickness by the average hydraulic conductivity at a network of points and contouring the resulting values.

HYDRAULIC CONDUCTIVITY AND TRANSMISSIVITY OF THE PRINCIPAL AQUIFERS

UPPER GLACIAL AQUIFER

The Q/sL numbers of wells screened in the upper glacial aquifer range from less than 0.1 to more than 4.0 gpm per sq ft (gallons per minute per square foot) (fig. 7). About three-fourths of the Q/sL numbers in figure 7 are between 0.5 and 2.5 gpm per sq ft, and

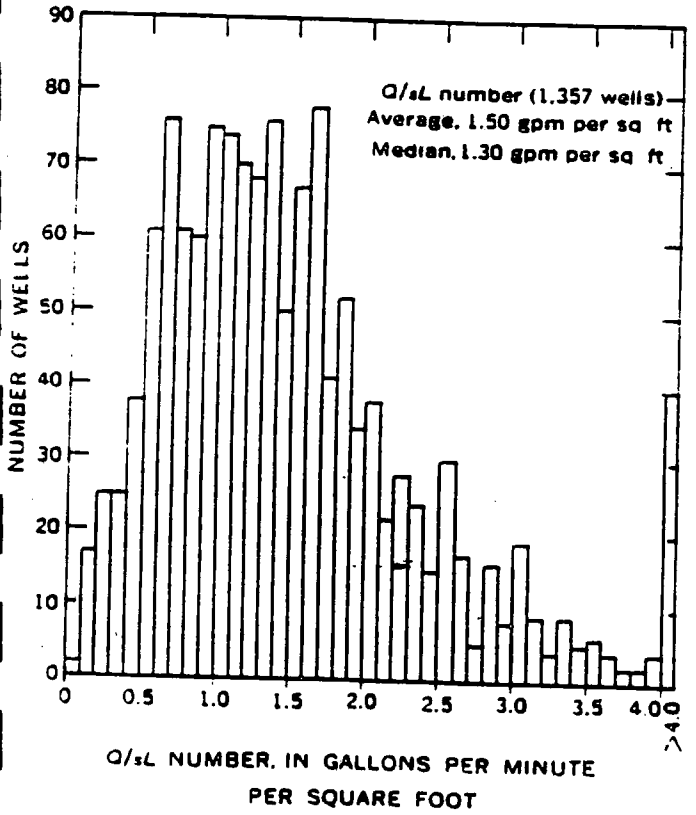

FIGURE 7.—Distribution of Q/sL numbers of wells screened in the upper glacial aquifer. (Average hydraulic conductivity of screened intervals approximates 2,000 Q/sL; see text discussion.)

the median Q/sL number for all wells tabulated is about 1.3 gpm per sq ft. Q/sL numbers greater than 2.5 gpm per sq ft were commonly determined for wells with short screen lengths (15 feet or less) of which the upper glacial aquifer (fig. 8) has a larger proportion than

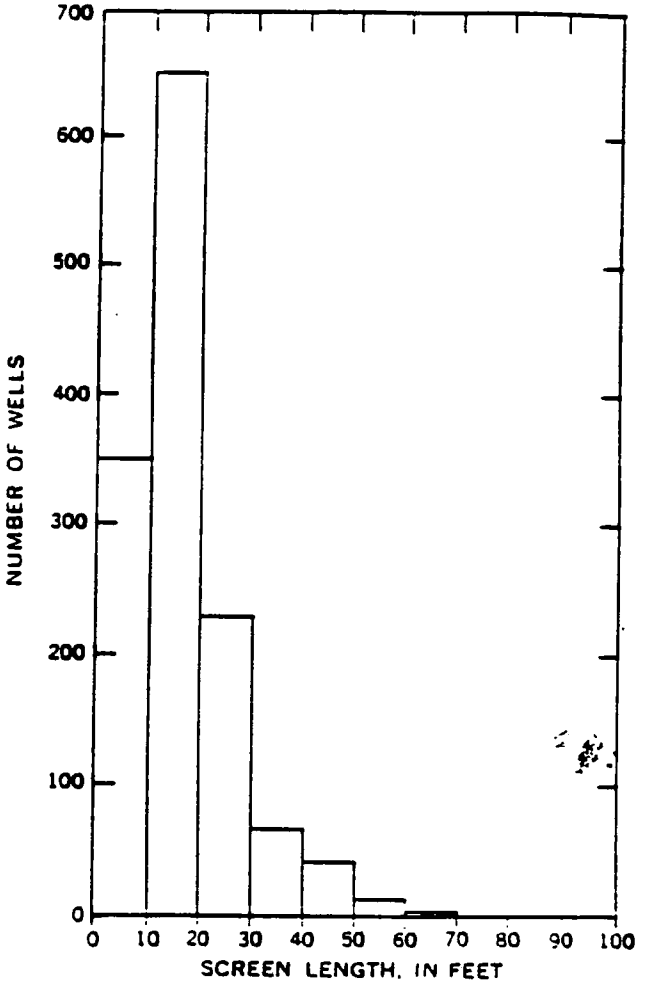

FIGURE 8.—Distribution of screen lengths of wells in the upper glacial aquifer.

any other aquifer on Long Island. (Compare figs. 8, 11, 17, and 20.) Vertical flow components probably account for an appreciable part of the discharge from these wells.

Lithologic descriptions of the screened intervals were available for most wells that were screened in the upper glacial aquifer and for which test data were available. Moreover, most of the screened intervals were either described as one lithology or the different lithologic descriptions belonged to a single lithologic class as defined earlier. The median Q/sL numbers determined for each lithologic class are listed in table 5, along with the range in Q/sL numbers assigned to each litho-

TABLE 7.—*Assigned range of Q/sL numbers and calculated hydraulic conductivity values for selected lithologic classes in the Jameco aquifer*

Lithologic class		Number of wells	Median Q/sL number of screened intervals (gpm per sq ft)	Assigned range of Q/sL numbers (gpm per sq ft)	Calculated range of hydraulic conductivity (gpd per sq ft)
No.	Description				
1	Gravel, sand and gravel, and coarse sand	37	1.1	0.8–1.1	1,600–2,200
2	Medium, fine, and very fine sand, and sand with silt or clay layers.	19	.9	0.1–0.7	200–1,400
3	Clay, sandy clay, and silty clay			[1] 0	0

[1] Assumed: see text discussion.

central and eastern Kings County than in southeastern Queens and southwestern Nassau Counties.

The computed average hydraulic conductivity of the Jameco aquifer (fig. 14) generally is slightly more than 1,000 gpd per sq ft. However, in several small areas near the northern boundary of the aquifer, the average hydraulic conductivity is about 1,500 gpd per sq ft. These areas with more permeable material probably reflect the somewhat coarser materials deposited in the narrower part of the buried valley.

Because the estimated average hydraulic conductivity of the Jameco aquifer shows very little areal variation, the gross pattern of the lines of equal transmissivity (fig. 15) closely reflects the pattern of the thickness map (fig. 13). The maximum transmissivity is about 300,000 gpd per ft and occurs in southwestern Queens County.

The average thickness, hydraulic conductivity, and transmissivity of the Jameco aquifer in subareas of Long Island, derived from figures 13, 14, and 15, are listed in table 8. The greatest average thickness and greatest average transmissivity of the Jameco aquifer occur in Kings County, although the maximum transmissivity occurs in Queens County.

TABLE 8.—*Average thickness, hydraulic conductivity, and transmissivity of the Jameco aquifer in subareas of Long Island*

Subarea	Area (sq mi)	Average total thickness (feet)	Average hydraulic conductivity (gpd per sq ft)	Average transmissivity (gpd per ft)
Kings County	60	78	1,300	120,000
Queens County	28	80	1,200	100,000
Southern Nassau County	14	35	1,400	50,000
Three subareas	102	80	1,300	110,000

MAGOTHY AQUIFER

Q/sL numbers of wells screened in the Magothy aquifer range from less than 0.1 to 3.2 gpm per sq ft (fig. 16). This compilation includes more than 85 percent of all wells screened in the Magothy aquifer for which test data are available. More than 90 percent of the Q/sL numbers are less than 1.7 gpm per sq ft, and the median Q/sL number is 0.6 gpm per sq ft. The screen

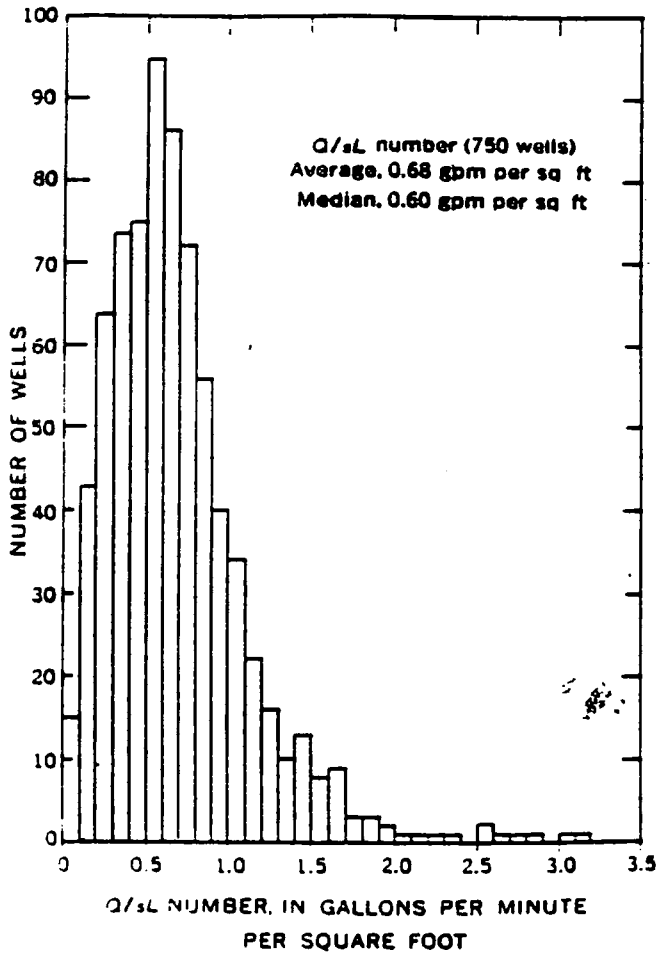

FIGURE 16.—Distribution of Q/sL numbers for wells screened in the Magothy aquifer. (Average hydraulic conductivity of screened intervals approximates 2,000 Q/sL; see text discussion.)

lengths in many of the Magothy wells are greater than 50 feet (fig. 17), and the average screen length is about 40 feet. Therefore, the effects of across-bed flow on the Q/sL numbers of most wells screened in this aquifer are probably less than in the upper glacial aquifer.

Lithologic descriptions of the screened intervals were available for all 750 Magothy wells with test data. More than half of these descriptions consisted of a single lithology, and many of the remaining screened intervals

The transmissivity of the Magothy aquifer (pl. 2*C*) tends to increase towards the south and southeast. Although the estimated average hydraulic conductivity tends to decrease in this direction, the greater percentage increase in aquifer thickness results in an increased transmissivity. The estimated maximum transmissivity of the Magothy aquifer is about 400,000 gpd per ft near the barrier beach in south-central Suffolk County.

Average thickness, hydraulic conductivity, and transmissivity of the Magothy aquifer in subareas of Long Island are derived from plate 2*A*, *B*, and *C* and are listed in table 10. The average hydraulic conductivity for each subarea is lowest in south-central Suffolk County (360 gpd per sq ft) and is highest in Kings County (over 600 gpd per sq ft). The average transmissivity by subarea is highest in south-central Suffolk County (320,000 gpd per ft), where the Magothy aquifer is thickest.

TABLE 10.—*Average thickness, hydraulic conductivity, and transmissivity of the Magothy aquifer in subareas of Long Island*

Subarea	Area (sq mi)	Average total thickness (feet)	Average hydraulic conductivity (gpd per sq ft)	Average transmissivity (gpd per ft)
Kings County	18	140	630	88,000
Queens County	61	170	470	80,000
Northern Nassau County	93	300	450	140,000
Southern Nassau County	154	600	420	250,000
Northwestern Suffolk County	150	430	420	180,000
Southwestern Suffolk County	115	770	410	320,000
North central Suffolk County	254	670	400	280,000
South central Suffolk County	141	900	360	320,000
Subareas studied	996	560	410	240,000

LLOYD AQUIFER

Q/sL numbers of wells screened in the Lloyd aquifer range from less than 0.1 to 2.1 gpm per sq ft (fig. 19). This compilation includes virtually all the wells screened in the Lloyd aquifer for which test data are available. About four-fifths of the *Q/sL* numbers are between 0.1 and 0.6 gpm per sq ft and the median *Q/sL* number for all wells is 0.35 gpm per sq ft. Screens of wells in this aquifer range from less than 10 to 90 feet in length (fig. 20). About one-third of the screens are short (15 feet or less), which suggests that vertical flow components may have materially affected the discharge of some of these wells.

Lithologic descriptions of the screened interval were available for all 94 Lloyd wells with test data. Almost half the screened intervals were described as one lithology, and most of the remaining screened intervals were described as predominantly one lithology. The

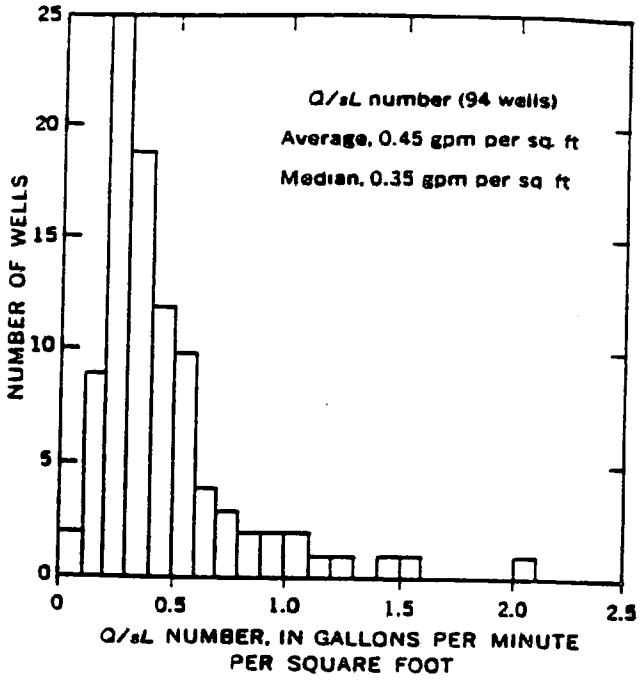

FIGURE 19.—Distribution of *Q/sL* numbers for wells screened in the Lloyd aquifer. (Average hydraulic conductivity of screened intervals approximates 2,000 *Q/sL*; see text discussion.)

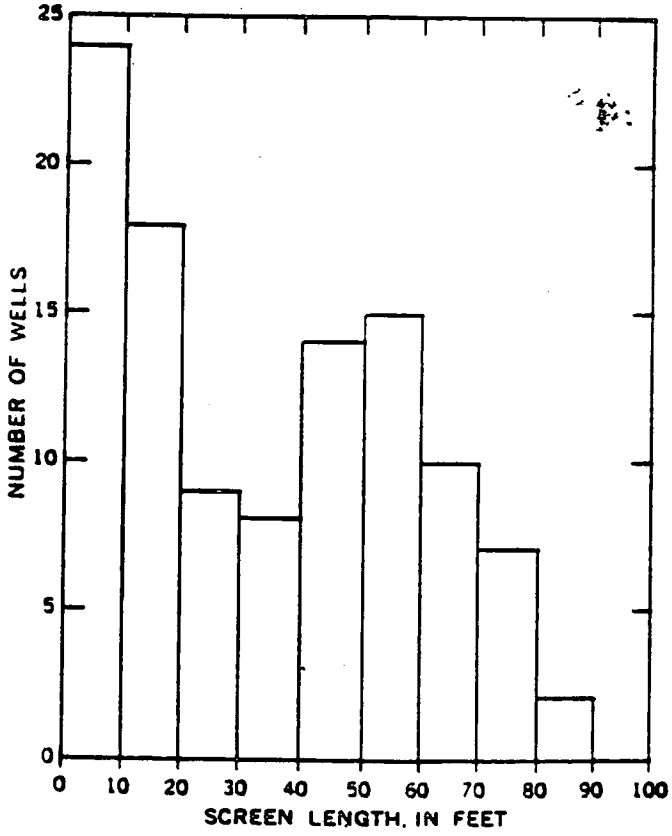

FIGURE 20.—Distribution of screen lengths of wells in the Lloyd aquifer.

REFERENCE NO. 20

PROJECT NOTE

DATE: April 30, 1993

TO: Denton Avenue Landfill File
EPA ID# NYD981186919

FROM: Chip Love, Environmental Specialist, Dynamac Corporation Chip Love 4-30-93

SUBJECT: Apportionment for groundwater population for municipal water companies.

Queens County

Mr. Bill Yulinski, P.E. with Jamaica Water Supply (JWS) gave some additional information not included in his letter to me concerning the JWS water system in Queens and Nassau Counties.

1.) Queens purchases 30 MGD from the city of New York. This accounts for approximately 50 % of the entire county's water supply.

2.) Of the JWS system total 118,905 connections, Queens County has approximately 89,905 connections. The JWS wells serve approximately (89,905 / 2 =) 44,953 connections, the other half being served by the purchased water.

3.) JWS wells in Nassau County serve the estimated remainder of 29,000 connections.

4.) The two county systems of JWS are segregated. Within each county itself is a system of wells which can be blended and usually are. Some wells are used more frequently than others yet none individually serve a large percentage more than any other.

5.) County maps were provided to give exact locations of JWS wells. These locations were transposed on to the USGS topo map to determine the distance from the facility.

6.) The apportionment for each well came from the calculation of :

(# of connections X 2.67 PPH-Queens) / Total # of wells in system) = Number of persons served by each well in a system for Queens Co.
All JWS wells in Nassau County were calculated by using the same formula and replacing the persons per household (PPH) value with 2.94.

7.) The wells counted for this target information are all screened in the Upper Glacial or Magothy aquifer. All wells screened in the Lloyd aquifer were not included as targets due to the confining Raritan clay. All wells listed as 'inactive' were also excluded.

8.) Mr. Yulinski informed me that there are wells shown on the county maps which appear as only one well. He stated that the attached lists of wells would provide more information on the number of wells. For example, if the map shows well S 13, the list would show S 13 and S 13A. In these cases, there is more than one well at a station. All locations were verified by the lists as well as the mapped locations.

Nassau County

Mr. Lou Familetti from the Nassau County Department of Health sent some computer printouts, zip code maps with well locations drawn on them and the Ground Water and Public Water Supply Facts book. Following is a summary of the procedures used to apportion the municipal water systems.

1.) The 58 municipal water suppliers in Nassau were provided in list format with individual system information (ie., # of connections, # of wells in system, etc.). Of the 58 systems total in Nassau County, there were 17 suppliers that draw water from wells within 4 miles of the facility.

2.) The locations of the wells were copied from the zip code maps and drawn on the USGS topo map to determine the distance from the facility.

3.) The apportionment for each well came from the calculation of :

(# of connections X 2.94 PPH) / Total # of wells in system) =
Number of persons served by each well in a system.

These calculations for each system are shown in an attached table. Also attached is a summary of the wells of each system and the distance ring they are located in.

4.) The wells counted for this target information are all screened in the Upper Glacial or Magothy aquifer. All wells screened in the confined Lloyd aquifer were not included as targets due to the confining Raritan clay.

ATTACHMENT TO PROJECT NOTE FOR DENTON AVE. LANDFILL

WORK SHEET FOR MUNICIPAL WATER SUPPLIERS USED TO CALCULATE THE NUMBER OF PERSONS SERVED BY EACH WELL AROUND FACILITY

SYSTEM #	WATER SYSTEM	TOTAL WELLS	CONNECTIONS	TOTAL SERVICE (CONN * 2.94 PPH)	PERSONS PER WELL
1	ALBERTSON	5	4,005	11,775	2,355
5	CARLE PLACE	5	2,930	8,614	1,723
6	GREAT NECK NORTH	11	7,655	22,506	2,046
10	FRANKLIN SQUARE	5	5,136	15,100	3,020
12	GARDEN CITY VILLAGE	10	6,686	19,657	1,966
13	GARDEN CITY PARK	11	6,543	19,236	1,749
16	HEMPSTEAD VILLAGE	9	8,889	26,134	2,904
18	JWS NASSAU COUNTY	23	29,000	85,260	3,707
18	JWS QUEENS (PPH=2.67)	52	44,953	120,023	2,308
25	MANHASSET LAKEVILLE	18	9,914	29,147	1,619
27	MINEOLA VILLAGE	6	5,440	15,994	2,666
30	OLD WESTBURY	5	1,450	4,263	853
34	PORT WASHINGTON WATER DISTRICT	13	8509	25,016	1,924
36	ROOSEVELT FIELD WATER DISTRICT	6	377	1,108	185
37	ROSLYN WATER DISTRICT	8	5,743	16,884	2,111
41	UNIONDALE WATER DISTRICT	6	5,761	16,937	2,823
43	WEST HEMPSTEAD-H. GARDENS	10	8,366	24,596	2,460
44	WILLISTON PARK VILLAGE	4	2,400	7,056	1,764

NOTE: JWS INFO HAS BEEN UPDATED PER INFORMATION SENT TO DYNAMAC. THE REMAINDER OF THIS TABLE IS COPIED FROM THE GROUND WATER AND PUBLIC WATER SUPPLY FACTS BOOK FOR NASSAU COUNTY.

JWS CONNECTIONS ARE CALCULATED BY TAKING THE 89,905 TOTAL SYSTEM CONNECTIONS IN QUEENS CO. AND DIVIDING BY 2 TO GET 44,953 CONNECTIONS. JWS HAS APPROX. 50% WATER SUPPLIED BY THE CITY OF NEW YORK IN QUEENS COUNTY.

ATTACHMENT TO PROJECT NOTE ON DENTON AVE. LANDFILL

THE WELLS MARKED ON THE TOPO WERE TRANSCRIBED FROM THE NASSAU DEPT. OF HEALTH ZIP CODE MAPS AND JWS COUNTY MAPS FOR QUEENS AND NASSAU. I THEN COUNTED THE WELLS IN EACH DISTANCE RING AND CALCULATED THE NUMBERS BELOW.

DISTANCE	# OF WELLS	FROM SYSTEM #	# OF PERSONS/ WELL IN SYSTEM	# OF PERSONS SERVED	DISTANCE TOTALS
1/4 MILE RANGE	2	13	1,749	3,498	
	1	18 N	3,707	3,707	7,205
1/2 MILE RANGE	1	13	1,749	1,749	1,749
1 MILE RANGE	4	13	1,749	6,996	
	2	18 N	3,707	7,414	14,410
2 MILE RANGE	1	1	2,355	2,355	
	5	12	1,966	9,830	
	4	13	1,749	6,996	
	5	18 N	3,707	18,535	
	5	25	1,619	8,095	
	3	27	2,666	7,998	
	2	44	1,764	3,528	57,337
3 MILE RANGE	4	1	2,355	9,420	
	4	10	3,020	12,080	
	2	12	1,966	3,932	
	4	18 N	3,707	14,828	
	7	25	1,619	11,333	
	3	27	2,666	7,998	
	2	34	1,924	3,848	
	1	37	2,111	2,111	
	2	44	1,764	3,528	69,078
MILE RANGE	6	5	1,723	10,338	
	4	6	2,046	8,184	
	1	10	3,020	3,020	
	2	12	1,966	3,932	
	7	16	2,904	20,328	
	4	18 Q	2,308	9,232	
	6	18 N	3,707	22,242	
	2	25	1,619	3,238	
	1	30	853	853	
	5	36	185	925	
	3	37	2,111	6,333	
	2	41	2,823	5,646	

REFERENCE NO. 21

Nassau County Department of Health

GROUND WATER AND PUBLIC WATER SUPPLY FACTS

JUNE 1992

THOMAS S. GULOTTA
COUNTY EXECUTIVE

GEORGE PICKETT, M.D., M.P.H.
COMMISSIONER

NASSAU COUNTY DEPARTMENT OF HEALTH

GROUND WATER
AND
PUBLIC WATER SUPPLY
FACTS

JUNE 1992

Thomas S. Gulotta
County Executive

George Pickett, M.D., M.P.H.
Commissioner

FOREWORD

The purpose of this report is to present in a single document a compilation of groundwater and water supply information. This report updates the information presented in the report dated June 1991.

This report was prepared by Donald H. Myott, P.E., Chief, and the staff of the Office of Groundwater Management, under the direction of Michael J. Alarcon, M.C.E., P.E., Director, Bureau of Water Resources Management.

This report is part of the Department's continuing programs in public water supply regulation, which are administered in the Department of Health by Stanley Juczak, P.E., M.C.E., Director of Environmental Programs.

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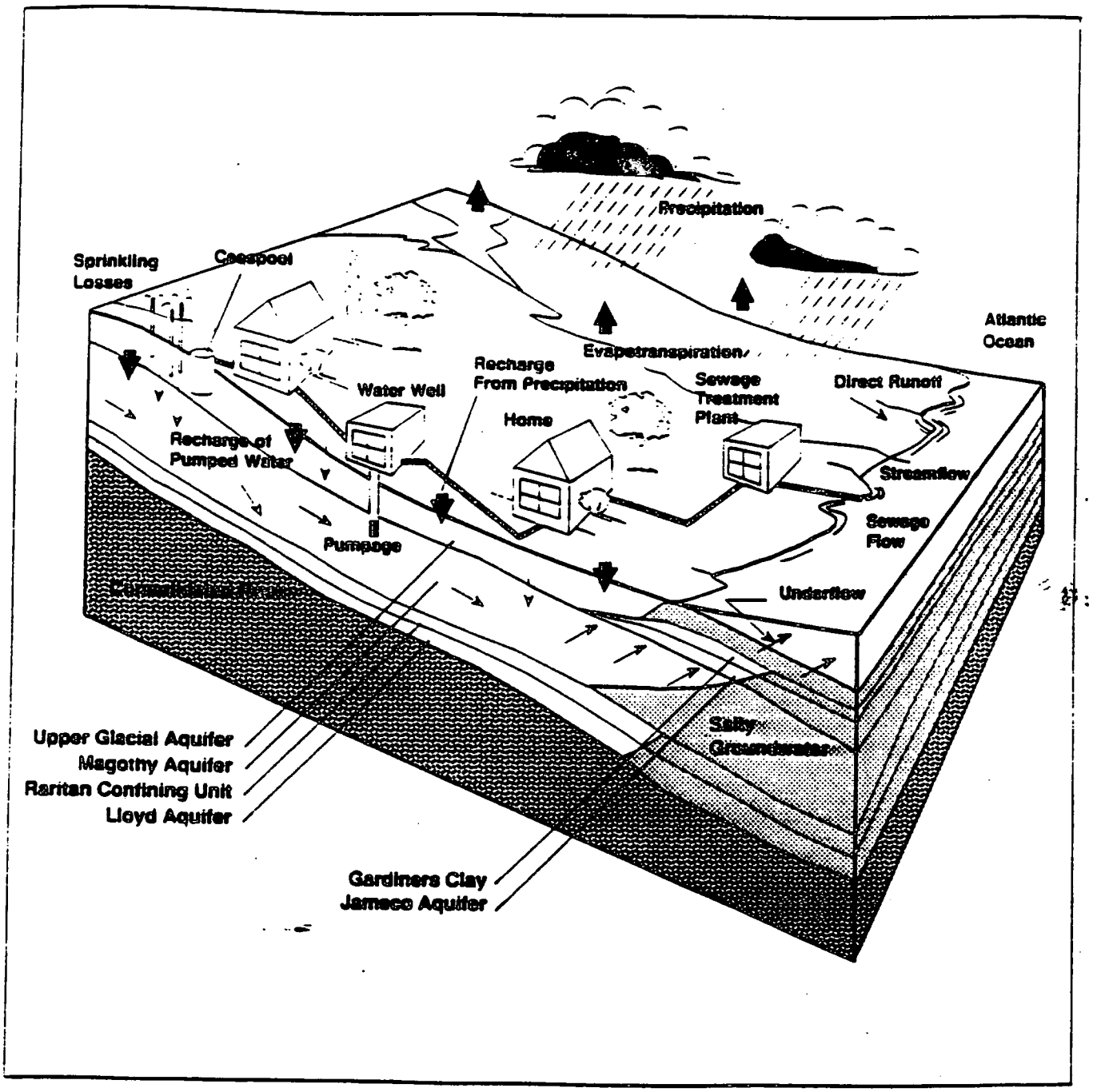
NASSAU COUNTY DEPARTMENT OF HEALTH

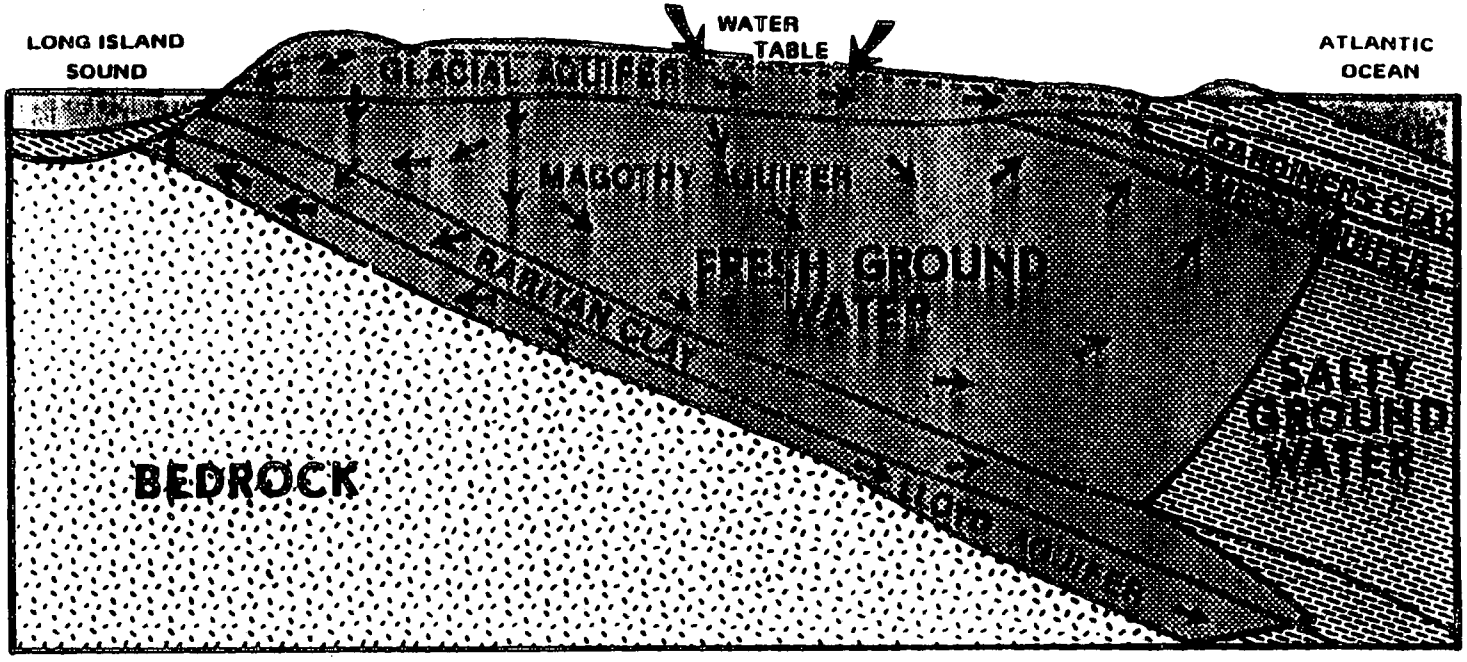
THE WATER CYCLE IN NASSAU COUNTY



SOURCE: Nassau County Comprehensive Water Management Plan, Vol. III, NCDPW, October 1988.

GEOLOGIC SECTION

NASSAU COUNTY, NEW YORK



Not to scale

Source: USGS

NASSAU COUNTY DEPARTMENT OF HEALTH

PRECIPITATION AT MINEOLA

1937 – 1991

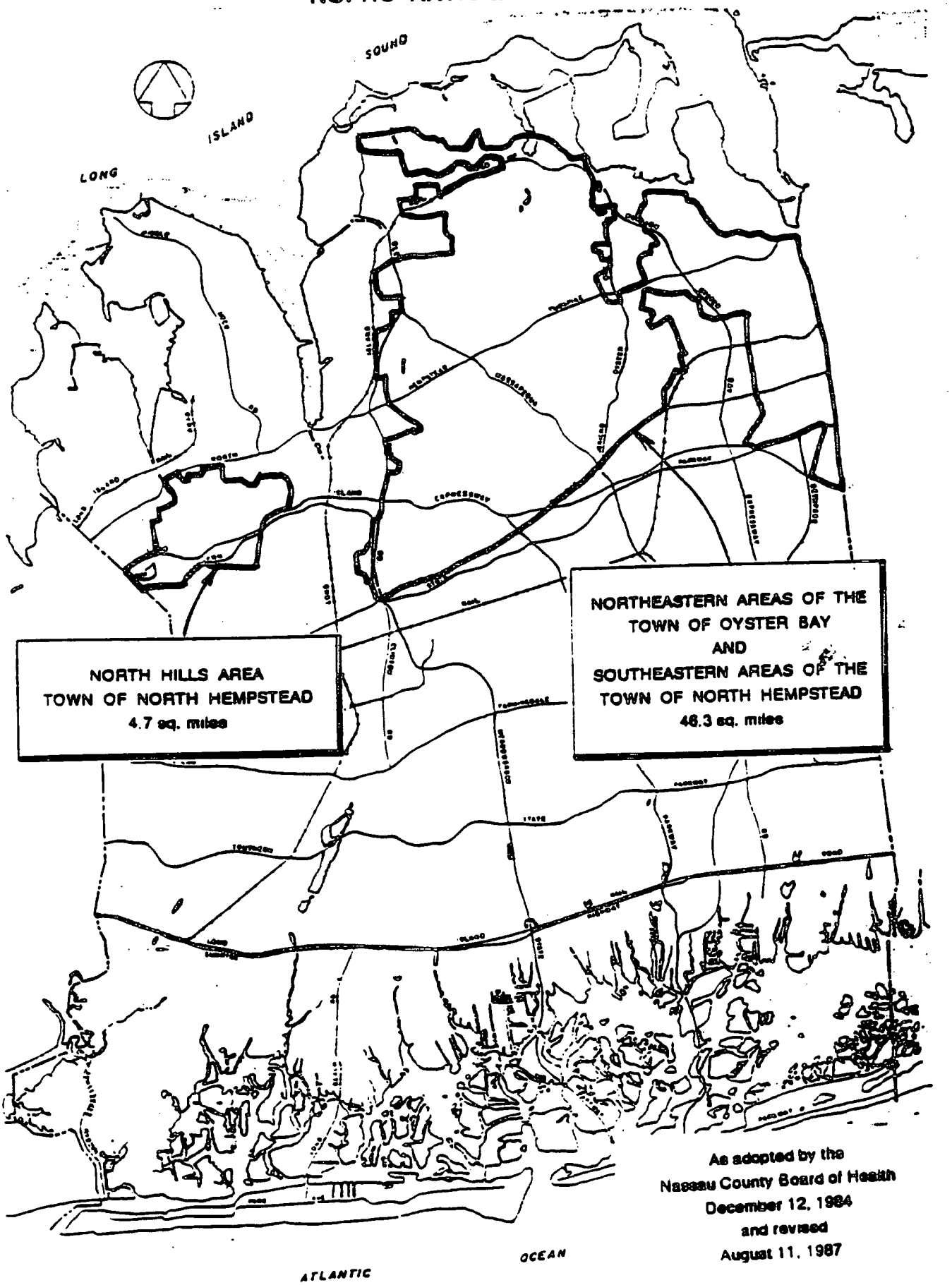
YEAR	RAINFALL (INCHES)	YEAR	RAINFALL (INCHES)	YEAR	RAINFALL (INCHES)
(1)	(2)	(3)	(4)	(5)	(6)
1937	44.77	1956	43.44	1975	63.04
1938	52.67	1957	35.33	1976	37.91
1939	38.39	1958	55.04	1977	55.01
1940	42.36	1959	39.01	1978	45.08
1941	39.12	1960	48.66	1979	52.86
1942	48.30	1961	46.71	1980	40.36
1943	38.85	1962	42.21	1981	38.53
1944	50.85	1963	34.19	1982	40.47
1945	44.62	1964	35.83	1983	64.64
1946	39.22	1965	22.04	1984	57.13
1947	42.16	1966	34.76	1985	38.31
1948	51.06	1967	41.69	1986	44.06
1949	40.40	1968	38.80	1987	43.31
1950	36.88	1969	43.88	1988	45.92
1951	47.47	1970	30.67	1989	62.90
1952	47.73	1971	40.80	1990	56.41
1953	48.68	1972	53.26	1991	42.27
1954	47.25	1973	51.70		
1955	46.39	1974	38.99		

55 YEAR AVERAGE (1937 – 1991) 44.59 INCHES

SOURCE: Nassau County Department of Public Works (NOAA cooperator).

NASSAU COUNTY DEPARTMENT OF HEALTH

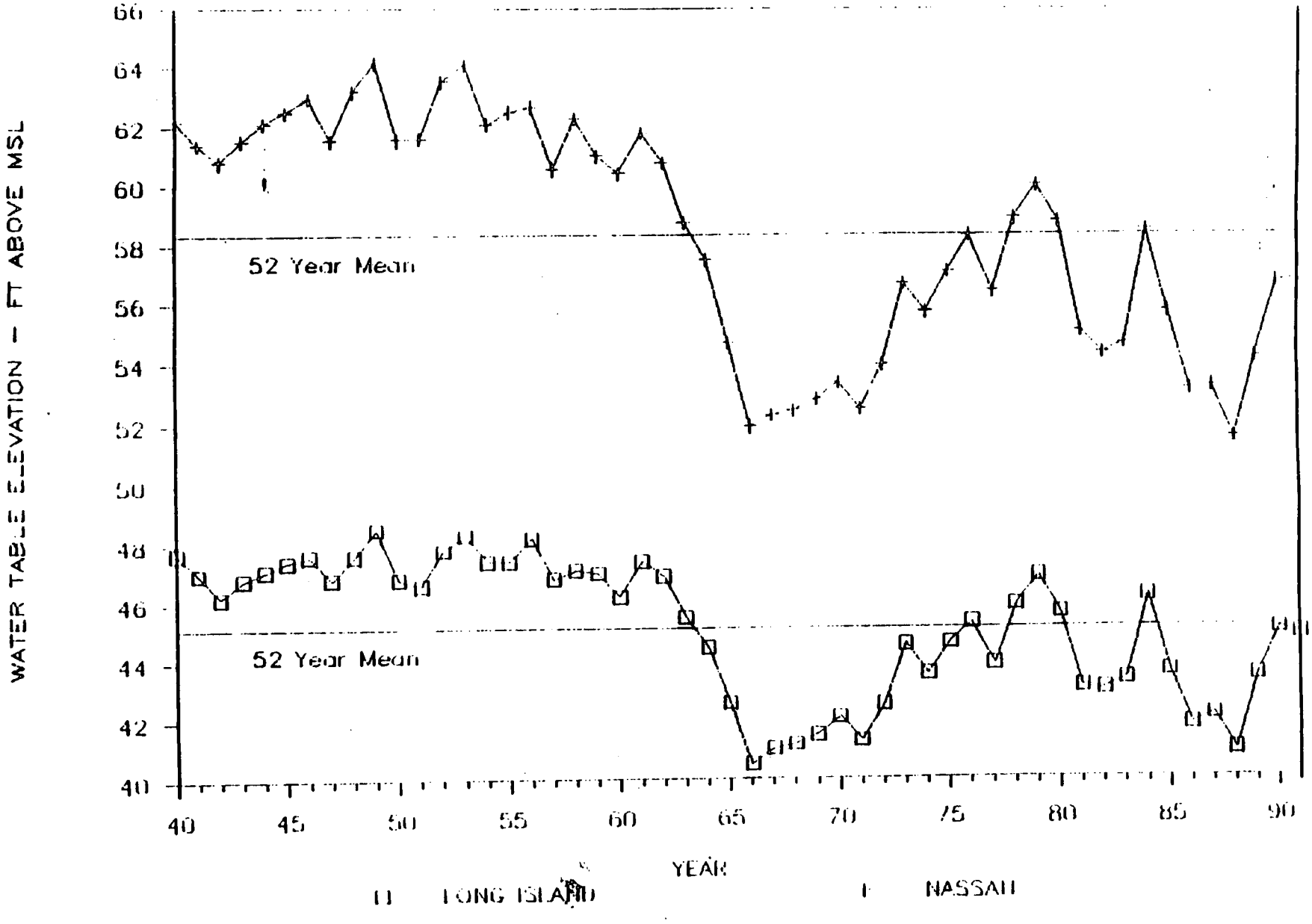
SPECIAL GROUNDWATER PROTECTION AREAS
NCPHO ARTICLE X



As adopted by the
Nassau County Board of Health
December 12, 1984
and revised
August 11, 1987

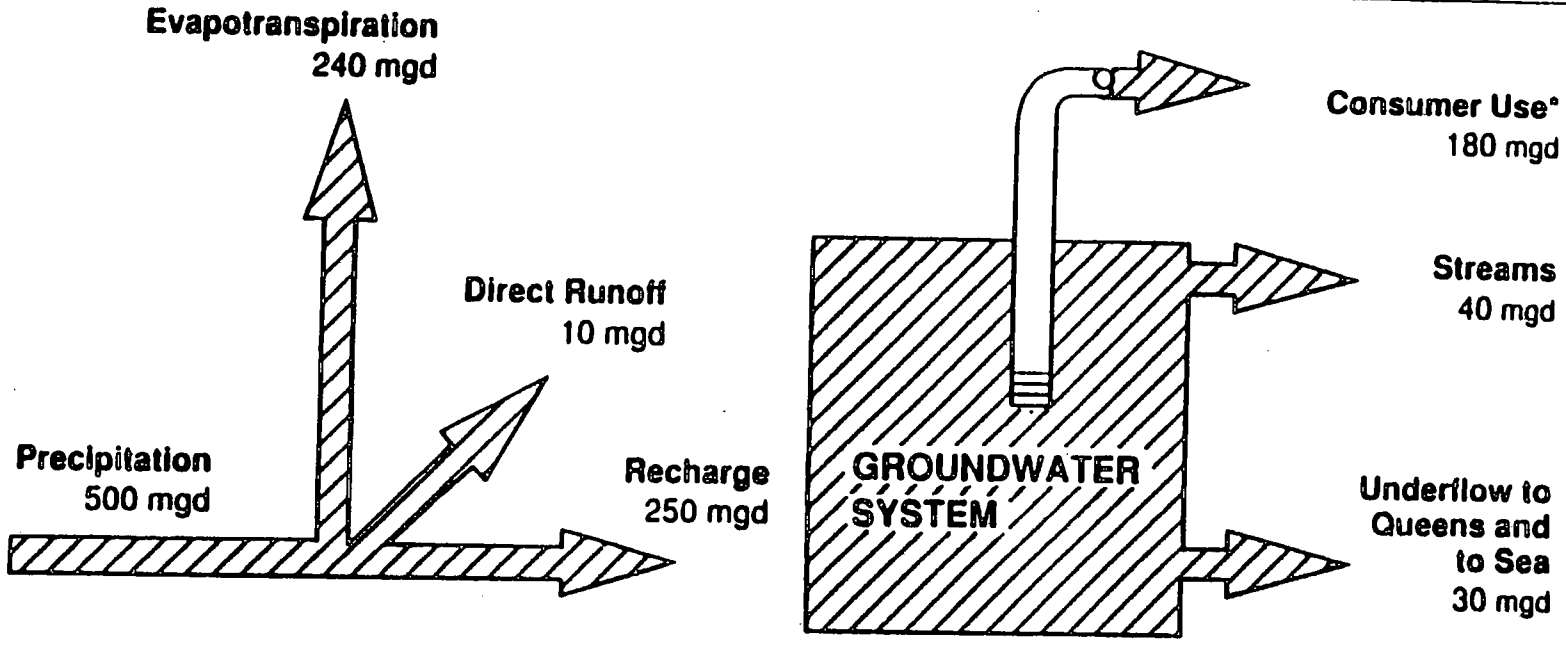
YEARLY AVERAGE WATER LEVELS

From USGS data 1940 1991



NASSAU COUNTY DEPARTMENT OF HEALTH

WATER BALANCE – NASSAU COUNTY
AVERAGE FOR LATE 1980's

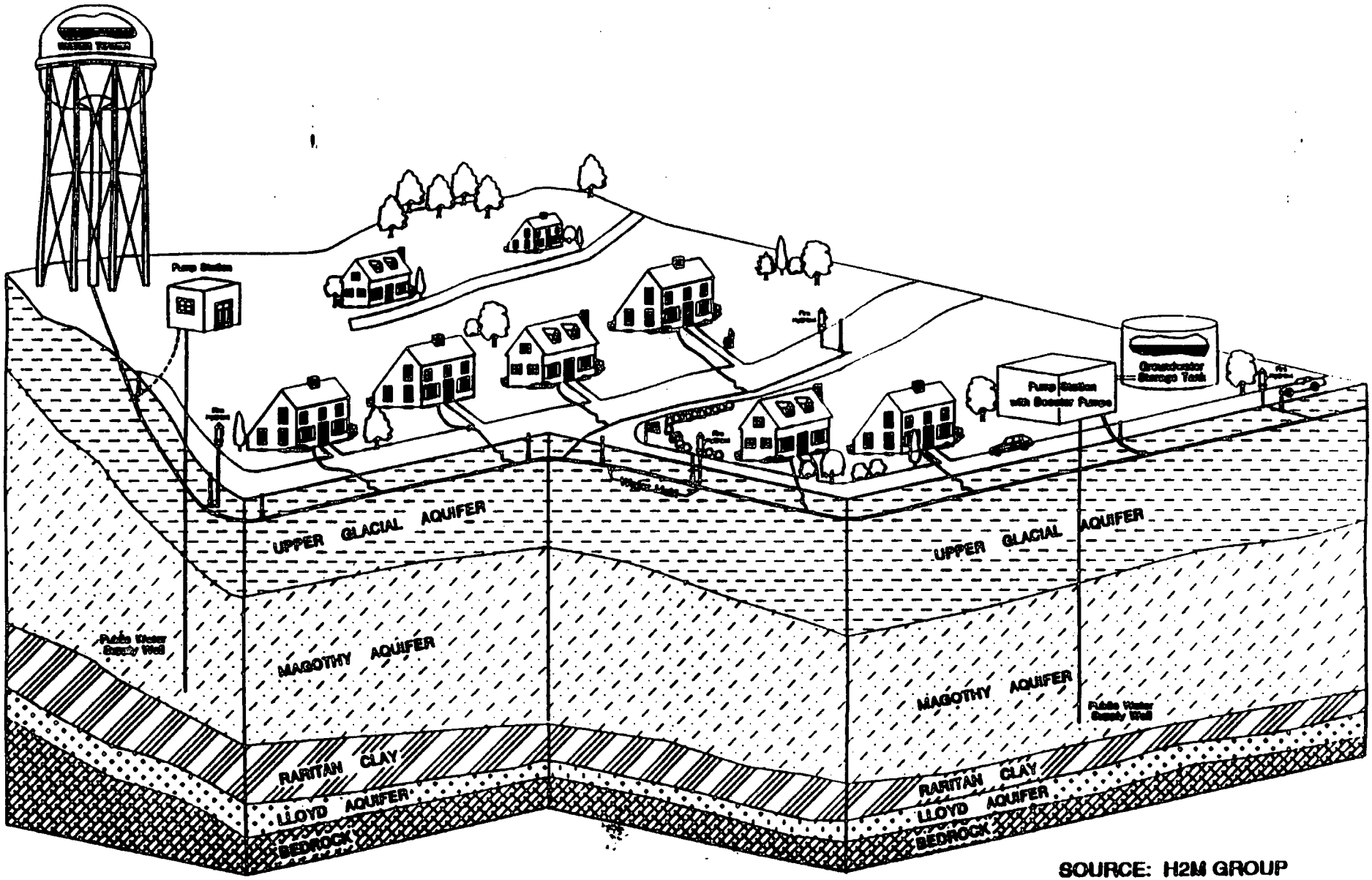


* Consumer Use:

Sewers	140 mgd
Outdoor Use	34 mgd
Private Consumption	6 mgd
Total	180 mgd

NASSAU COUNTY DEPARTMENT OF HEALTH

TYPICAL PUBLIC WATER SYSTEM ON LONG ISLAND



SOURCE: H2M GROUP
Melville, New York

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY AND MONITORING WELLS IN NCDH MONITORING SYSTEM

DECEMBER 31, 1991

TYPE OF WELL	PUBLIC WATER SYSTEMS	TOTAL WELLS	GLACIAL WELLS	MAGOTHY WELLS	LLOYD WELLS	OTHER WELLS (a)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. PUBLIC						
a. COMMUNITY	51	407	35	329	39	4
b. NON-COMMUNITY	7	15	5	9	1	0
TOTAL	58	422	40	338	40	4
2. NON-PUBLIC						
a. MONITORING (b)	—	433	273	144	11	5

(a) Other includes the Jameco and Port Washington Aquifers.

(b) Monitoring wells include only those NCDPW observation wells, private industrial, air conditioning or irrigation wells, or special groundwater investigation wells tested by the NCDH for water quality.

DEFINITIONS:

1. Public Water System means either a community or non-community system which provides piped water to the public for human consumption, if such system has at least five service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Community Water System means a public water system which serves at least five service connections used by year-round residents or regularly serves at least 25 year-round residents.

3. Non-Community Water System means a public water system that is not a community water system.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SYSTEMS IN NASSAU COUNTY

DECEMBER 1991

A. COMMUNITY SYSTEMS (51)

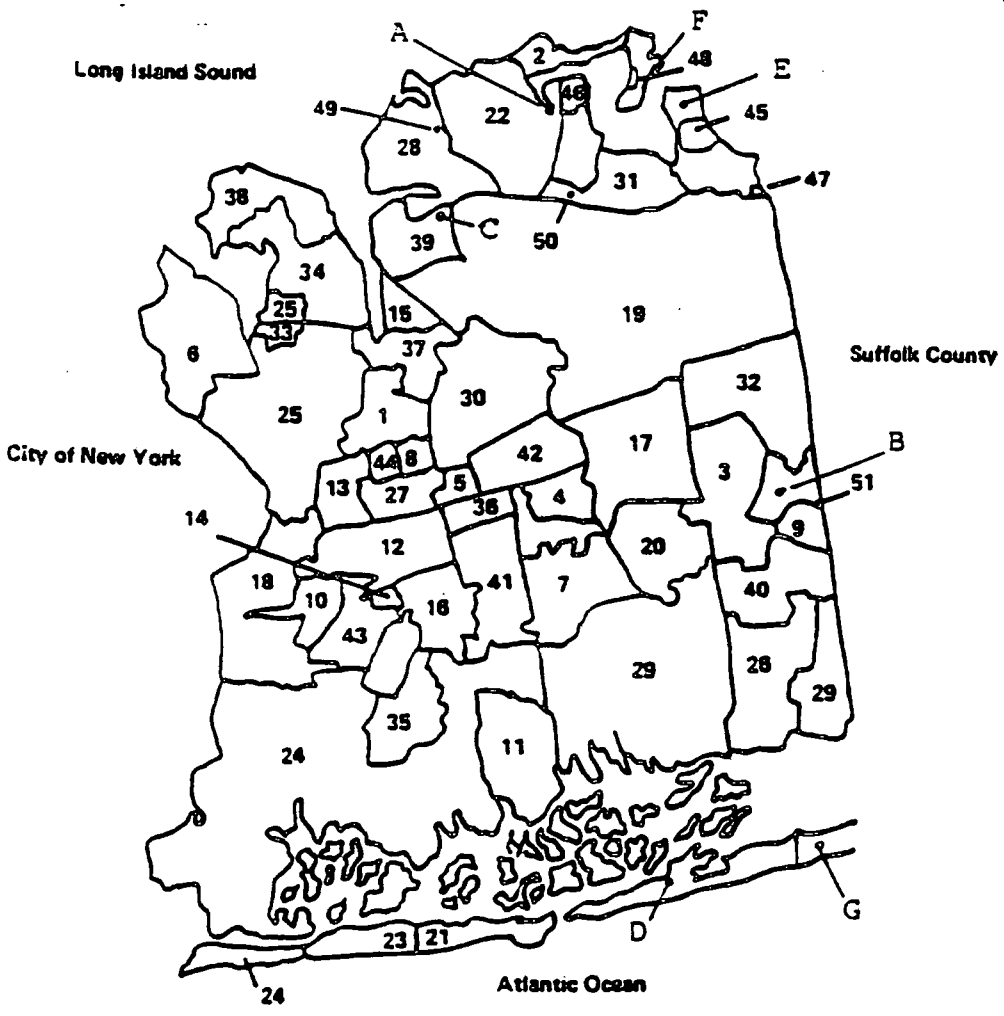
Albertson Water District
Bayville (Village)
Bethpage Water District
Bowling Green Water District
Carle Place Water District
DeForest Drive Association Water Supply
East Meadow Water District
East Williston (Village)
Farmingdale (Village)
Franklin Square Water District
Freeport (Village)
Garden City (Village)
Garden City Park Water District
Garden City South Water District
City of Glen Cove
Glenwood Water District
Hempstead (Village)
Hicksville Water District
Jamaica Water Supply Co
Jericho Water District
Levittown Water District
Lido–Pt Lookout Water District
Locust Valley Water District
City of Long Beach
Long Island Water Corporation
Manhasset–Lakeville Water District
Massapequa Water District
Mill Neck Estates Water Supply
Mineola (Village)
New York Water Service Corporation
Northeast Farmingdale Water District
North Shore University Hospital at Glen Cove Water Supply
Old Westbury (Village)
Oyster Bay Water District
Plainview Water District
Plandome (Village)
Planting Fields Arboretum Water Supply
Port Washington Water District
Rockville Centre (Village)
Roosevelt Field Water District
Roslyn Water District
Sands Point (Village)
Sea Cliff Water Company
South Farmingdale Water District
Split Rock Water Supply
Swan Cove Water Supply
Uniondale Water District
Water Authority of Great Neck North
Westbury Water District
West Hempstead–Hempstead Gardens Water District
Williston Park (Village)

B. NON–COMMUNITY SYSTEMS (7)

	LOCATION
Beaver Dam Winter Sports Club	Locust Valley
Bethpage State Park	Farmingdale
Glen Head Country Club	Sea Cliff
Jones Beach State Park	Wantagh
Sagamore Hill National Historic Site	Oyster Bay
Seawanhaka Yacht Club	Centre Island
Tobay Beach	Wantagh

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SYSTEMS IN NASSAU COUNTY



COMMUNITY PUBLIC WATER SYSTEMS

1. Albertson Water District
2. Bayville (Village)
3. Bethpage Water District
4. Bowling Green Water District
5. Carle Place Water District
6. Water Authority of Great Neck North
7. East Meadow Water District
8. East Williston (Village)
9. Farmingdale (Village)
10. Franklin Square Water District
11. Freeport (Village)
12. Garden City (Village)
13. Garden City Park Water District
14. Garden City South Water District
15. Glenwood Water District
16. Hempstead (Village)
17. Hicksville Water District
18. Jamaica Water Supply Co
19. Jericho Water District
20. Levittown Water District
21. Lido–Pt Lookout Water District
22. Locust Valley Water District
23. City of Long Beach
24. Long Island Water Corporation
25. Manhasset–Lakeville Water District
26. Massapequa Water District
27. Mineola (Village)
28. City of Glen Cove
29. New York Water Service Corporation
30. Old Westbury (Village)
31. Oyster Bay Water District
32. Plainview Water District
33. Plandome (Village)
34. Port Washington Water District
35. Rockville Centre (Village)
36. Roosevelt Field Water District
37. Roslyn Water District
38. Sands Point (Village)
39. Sea Cliff Water Company
40. South Farmingdale Water District
41. Uniondale Water District
42. Westbury Water District
43. West Hempstead–Hempstead Gardens Water District
44. Williston Park (Village)
45. Swan Cove Water Supply
46. Mill Neck Estates Water Supply
47. DeForest Drive Association Water Supply
48. Split Rock Water Supply
49. North Shore University Hospital at Glen Cove Water Supply
50. Planting Fields Arboretum Water Supply
51. Northeast Farmingdale Water District

NON–COMMUNITY PUBLIC WATER SYSTEMS

A. Beaver Dam Winter Sports Club
B. Bethpage State Park
C. Glen Head Country Club
D. Jones Beach State Park
E. Sagamore Hill National Historic Site
F. Seawanhaka Yacht Club
G. Tobey Beach

Blank Areas – Parks, Lakes or Served by Private Wells

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY INFORMATION
COMMUNITY WATER SYSTEMS IN NASSAU COUNTY

1991

WATER SYSTEM	WELLS No.	WELLS AUTH CAPACITY (MGD)	TANKS No.	TANKS STORAGE CAPACITY (MG)	INTER-CONNECT-IONS	SERVICES No.	SERVICES METERED (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ALBERTSON W.D.	5	7.95	3	3.50	6	4,005	100%
BAYVILLE (V)	4	5.76	1	0.60	2	2,440	100%
BETHPAGE W.D.	9	18.11	2	2.75	14	8,137	100%
BOWLING GREEN W.D.	2	4.03	1	2.00	3	3,014	100%
CARLE PLACE W.D.	5	7.80	1	0.50	5	2,930	100%
GREAT NECK NORTH. W.A. of	11	16.78	3	2.00	2	7,655	100%
DeFOREST DRIVE ASSOC *	1	0.06	1	0.02	0	9	0%
EAST MEADOW W.D.	11	20.00	2	2.75	11	12,935	100%
EAST WILLISTON (V)	0	-	0	-	4	856	100%
FARMINGDALE (V)	4	5.54	2	0.90	5	2,240	100%
FRANKLIN SQUARE W.D.	5	8.64	2	1.00	6	5,136	100%
FREEPORT (V)	9	17.39	2	1.50	4	10,000	100%
GARDEN CITY (V)	10	19.05	5	5.10	21	6,686	100%
GARDEN CITY PARK W.D.	11	16.42	2	2.50	9	6,543	100%
GARDEN CITY SOUTH W.D.	0	-	0	-	5	352	100%
GLEN COVE CITY	8	13.74	3	4.25	3	7,388	100%
NORTH SHORE UNIV HOSP @ GC *	1	1.56	2	0.04	1	1	100%
GLENWOOD W.D.	0	-	0	-	4	181	100%
HEMPSTEAD (V)	9	15.70	4	3.75	13	8,889	100%
HICKSVILLE W.D.	20	39.33	5	7.25	10	15,570	100%
JAMAICA WATER SUPPLY CO	24	40.47	7	11.85	9	27,794	100%
JERICHO W.D.	22	37.50	6	8.79	18	18,226	100%
LEVITTOWN W.D.	12	19.87	2	2.50	5	11,910	100%
LIDO-PT LOOKOUT W.D.	3	4.90	2	1.50	1	1,884	100%
LOCUST VALLEY W.D.	5	8.68	1	1.00	5	2,379	100%
LONG BEACH CITY	8	14.18	3	3.83	2	7,560	100%
LONG ISLAND WATER CORP	38	84.14	12	15.31	13	72,283	100%
MANHASSET-LAKEVILLE W.D.	18	33.74	6	8.50	11	9,914	100%
MASSAPEQUA W.D.	8	16.50	4	4.00	7	13,750	100%
MILL NECK ESTATES W.S. *	2	0.32	1	0.06	0	85	0%
MINEOLA (V)	6	9.00	2	2.00	12	5,440	100%
NEW YORK W.S. CORP	18	49.46	5	5.75	9	44,000	100%
N/E FARMINGDALE W.D.	0	-	0	-	1	108	100%
OLD WESTBURY (V)	5	6.92	2	2.00	10	1,450	100%
OYSTER BAY W.D.	8	7.20	4	1.80	2	2,410	100%
PLAINVIEW W.D.	11	20.43	3	4.75	9	10,185	100%
PLANDOME (V)	3	2.09	1	0.02	2	430	100%

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY INFORMATION
COMMUNITY WATER SYSTEMS IN NASSAU COUNTY

1991

WATER SYSTEM	WELLS No.	WELLS AUTH CAPACITY (MGD)	TANKS No.	TANKS STORAGE CAPACITY (MG)	INTER-CONNECT-IONS	SERVICES No.	SERVICES METERED (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
PLANTING FIELDS ARBOR W.S. *	0	–	4	0.04	1	5	100%
PORT WASHINGTON W.D.	13	14.85	4	22.38	9	8,509	100%
ROCKVILLE CENTRE (V)	11	19.30	4	3.75	4	7,291	81%
ROOSEVELT FIELD W.D.	6	10.76	1	1.00	7	377	100%
ROSLYN W.D.	8	13.97	4	6.30	10	5,743	100%
SANDS POINT (V)	6	5.11	3	0.65	3	1,245	100%
SEA CLIFF WATER CO	3	6.52	2	0.74	5	4,348	100%
SOUTH FARMINGDALE W.D.	11	20.74	4	3.20	17	12,500	100%
SPLIT ROCK W.S. *	1	0.04	1	<0.01	0	9	0%
SWAN COVE W.S. *	1	0.14	1	0.13	0	20	0%
UNIONDALE W.D.	6	10.80	1	1.25	16	5,761	100%
WESTBURY W.D.	11	19.80	2	2.50	5	5,853	100%
W HEMP-HEMP GARDENS W.D.	10	16.92	3	2.65	9	8,368	100%
WILLISTON PARK (V)	4	7.31	2	2.00	9	2,400	100%
NASSAU COUNTY TOTAL	407	719.5	138	160.66	339	397,202	99.6%

SOURCES:

(2) NCDH records, includes wells not used but not abandoned.

(3) 1991 Water Supply Emergency Plan.
Capacity authorized by NYSDEC as part of well permit. All may not be usable.

(4) 1991 Water Supply Emergency Plan.

(5) 1991 Water Supply Emergency Plan.

(6) 1991 Water Supply Emergency Plan.

(7) Community Water System Sampling Site Plans, 1991.

(8) Public Water System Annual Inspection Reports (GEN 200), NCDH, 1991.

* Items (2),(3),(4),(5) and (6) from NCDH records for these systems.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL

TREATMENT CODES

0 – None

1 – Chlorination (Routine)
- a – Liquid Chlorine(Sodium or Calcium Hypochlorite)
- b – Gas Chlorine

2 – Chlorination (Emergency)
- a – Liquid Chlorine(Sodium or Calcium Hypochlorite)
- b – Gas Chlorine

3 – Corrosion Control
- a – Caustic Soda
- b – Lime
- c – Zinc orthophosphate (inhibitor)

4 – Sequestration
- a – Sodium Hexametaphosphate
- b – Linear Chained Polyphosphate ("Aqua-Mag")
- c – Sodium Silicate
- d – Zinc metaphosphate

5 – Fluoridation

6 – VOC Removal
- a – Air Stripping
- b – Granular Activated Carbon (GAC)

7 – NO3 Removal
- a – Ion Exchange

8 – Iron Removal
- a – Filtration
- b – Aeration
- c – Sedimentation
- d – Coagulation

9 – Algae Control
- a – Copper Sulfate

10 – Taste and Odor Control
- a – Chlorination
- b – Aeration

11 – Other
- a – Polymers
- b – Magnasite
- c – Alum

12 – Treated Water Purchased
- a – Williston Park (V)
- b – West Hempstead W.D.
- c – Roslyn W.D.
- d – Farmingdale (V)
- e – Locust Valley W.D.

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY PUBLIC WATER SYSTEMS
TREATMENT PROVIDED BY WELL

December 1991

WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
ALBERTSON W.D.	1	3732	2a,3a
	2	3733	2a,3a
	3	4327	2a,3a,6a
	4	5947	2a,3a,6a
	5	8558	2a,3a
BAYVILLE (V)	1-1	7620	2a,3a
	1-2	7643	2a,3a
	1-3	8776	2b,3a
	2-1	10144	2a,3a
BETHPAGE W.D.	5-1	8004	2a,3a
	6-1	3876	2a,3a,6a
	6-2	8941	2a,3a,6a
	7A	8767	2a,3a
	8A	8768	2a,3a
	9	6078	2a,3a
	10	6915	2a,3a
	11	6916	2a,3a
	BDG-1	9591	2a,3a
BOWLING GREEN W.D.	1	8956	1a,3b
	2	8957	1a,3b
CARLE PLACE W.D.	1	2747	2a,3a,5
	2	2748	2a,3a,5
	3	4208	2a,3a,5
	4	6315	2a,3a,5
	5	8457	2a,3a,5
DEFOREST DRIVE ASSOC W.S.	1	6953	1a
EAST MEADOW W.D.	1	3456	1a,3b
	2	3457	1a,3b
	3	3465	1a,3b
	4	4447	1a,3b
	5	4448	1a,3b
	6	5318	1a,3b
	7	5319	1a,3b
	8	5320	1a,3b
	9	5321	1a,3b
	10	5322	1a,3b
	11	7797	1a,3b
EAST WILLISTON (V)	-	-	2a,12a
FARMINGDALE (V)	1-3	7852	2a,3a,4a
	2-1	1937	2a,3b,4a
	2-2	6844	2a,3a,4a
	2-3	11004	2a,3a,4a

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT	
FRANKLIN SQUARE W.D.	1	3603	2a,3a	
	2	3604	2a,3a	
	3	3605	2a,3a,4a	
	4	7117	2a,3a,6b	
	5	8818	2a,3a,6b	
FREEPORT (V)	1A	7796	2a,3a,4a	
	2	132	2a,3a,4a	
	3	133	2a,3a,4a	
	4	134	2a,3a,4a	
	5	68	2a,3a,4a	
	6	69	2a,3a,4a	
	7	5695	2a,3a,4a	
	8	5696	2a,3a,4a	
	9	8657	2a,3a,4a	
GARDEN CITY (V)	7	95	2a,3a	
	8	1697	2a,3a	
	9	3881	2a,3a	
	10	3934	2a,3a,6a	
	11	3935	2a,3a,6a	
	12	5163	2a,3a	
	13	7058	2a,3a,6a	
	14	8339	2a,3a,6a	
	15	10033	2a,3a,4a	
	16	10034	2a,3a,4a	
GARDEN CITY PARK W.D.	1	650	2b,3a	
	2	651	2b,3a	
	3	2565	2b,3a	
	4	3672	2b,3a	
	5	3673	2b,3a	
	6	5603	2b,3a,6a	(Change to 2a in 1992)
	7	6945	2b,3a,6a	(Change to 2a in 1992)
	8	7512	2b,3a	(Change to 2a in 1992)
	9	8409	2b,3a,6a,7a	(Change to 2a in 1992)
	10	9768	2b,3a,6a	(Change to 2a in 1992)
	11	10612	2b,3a	(Change to 2a in 1992)
GARDEN CITY SOUTH W.D.	-	-	0,12b	

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
GLEN COVE, CITY of	Morgan	835	2a,3a
	Roxbury	5762	2a,3a
	1S	3892	2a,3a
	2S	5261	2a,3a
	21	8326	2a,3a
	30	9210	2b,3a (Change to 2a in 1
	31	9211	2b,3a (Change to 2a in 1
	Kelly	9334	2b,3a,6a (Change to 2a in 19
GLENWOOD W.D.	-	-	2a,12c
GREAT NECK NORTH, W.A. of	1	30	1b,3a,4a
	2	22	1b,3a
	4	31	1b,3a,4a
	5	687	1a,3a,4a
	6	1298	1a,3a
	7	2214	1a,3a
	8	3443	1b,3a,4a
	9	4388	1b,3a,4a,6a (Change to 1a in 19
	10	5884	1a,3a,4a
	11	8342	1b,3a (Change to 1a in 1
	21A	700	1b,3a,6a (Change to 1a in 19
HEMPSTEAD (V)	1R	4425	1b,3a,4a,6a,9a
	2	79	1b,3a,4a,6a,8b,9a
	3	80	1b,3a,4a,8b,9a
	4	81	1b,3a,4a,8b,9a
	5	82	1b,3a,4a,8b,9a
	6	83	1b,3a,4a,6a,8b,9a
	7	3668	1b,3a,4a
	8	7298	1b,3a,4a,8b,9a
	9	8264	1b,3a,4a
HICKSVILLE W.D.	1-4	7562	1b,3a,4a,6a
	1-5	8249	1b,3a,4a,6a
	1-6	9488	1b,3a,4a,6a
	2-2	5338	1a,3a,4a
	3-2	8525	1a,3a,4a
	4-2	8526	1a,3a,4a,6b
	5-2	7561	1b,3a,4a,6b
	5-3	9212	1b,3a,4a
	6-1	3953	1a,3a,4a
	6-2	3878	1a,3a,4a
	7-1	6190	1b,3a,4a
	7-2	6191	1b,3a,4a
	8-1	6192	1a,3a,4a,6a

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
HICKSVILLE W.D. cont'd	8-2	6193	1a,3a,4a
	8-3	9180	1a,3a,4a,6a
	9-1	8778	1b,3a,4a
	9-2	8779	1b,3a,4a
	9-3	10208	1b,3a,4a
	10-1	9463	1b,3a,4a
	11-1	10555	1a,3a,4a
JAMAICA W.S. CO.	9	14	1a,3a,3c,5
	15A	9151	1a,3a,3c,5
	15B	11037	1a,3a,3c,5
	15C	10206	1a,3a,3c,5
	15D	693	1a,3a,3c,5
	15E	10207	1a,3a,3c,5
	16A	1958	1a,3a,3c,5
	20	17	1a,3a,3c,5,6a
	25A	7482	1a,3a,4d,5
	28	2414	1a,3a,3c,5
	28A	11647	1a,3a,4d,5
	28B	10211	1a,3a,4d,5
	30	3720	1a,3a,4d,5
	34	4512	1a,3a,4d,5
	35	4077	1a,3a,3c,5,6a
	35A	4298	1a,3a,3c,5,6a
	40	4390	1a,3a,3c,5,6a
	40A	7445	1a,3a,3c,5,6a
	44	5155	1a,3a,3c,5
	44A	5156	1a,3a,3c,5
	44B	6744	1a,3a,3c,5
	44C	6745	1a,3a,3c,5
	57	7649	1a,3a,3c,5,6a
	57A	7650	1a,3a,3c,5,6a
JERICHO W.D.	3	198	2a,3a
	4	199	2a,3a
	5	570	2a,3a
	6	3474	2a,3a
	7	3475	2a,3a
	9	4245	2a,3a
	11	5201	2a,3a
	12	6092	2a,3a
	13	6093	2a,3a
	14	6651	2a,3a
	15	7030	2a,3a

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT	
JERICHO W.D. cont'd	16	7446	2a,3a	
	17	7593	2a,3a	
	18	7772	2a,3a	
	19	7773	2a,3a	
	20	10149	2a,3a	
	22	7781	2a,3a	
	23	8043	2a,3a	
	25	8355	2a,3a	
	27	8713	2a,3a	
	29	11107	2a,3a	
	30	11295	2a,3a	
LEVITTOWN W.D.	2A	8321	1a,3a	
	3	2580	1a,3a	
	5A	7076	1a,3b	
	6A	3818	1a,3a	
	7A	8279	1a,3b	
	8A	7523	1a,3b	
	9	4450	1a,3b	
	10	4451	1a,3b	
	11	5301	1a,3b	
	12	5302	1a,3b	
	13	5303	1a,3b	
	14	5304	1a,3a	
LIDO-POINT LOOKOUT W.D.	1	46	1a,3b,8a,8b	
	2	5227	1a,3b,8a,8b	
	3	8354	1a,3a,8a,8b,11b	
LOCUST VALLEY W.D.	4	118	2a	(Add 3a in 1992)
	5	119	2a	(Add 3a in 1992)
	6	1851	2a,3a	
	7	5152	2a,3a	
	8	7665	2a,3a	
LONG BEACH, CITY of	9	2597	1b,3b,8a,8b,8c,8d,11c	
	10	3687	1b,3b,8a,8b,8c,8d,11c	
	11	5308	1b,3b,8a,8b,8c,8d,11c	
	12	6450	1b,3b,8a,8b,8c,8d,11c	
	13	7776	1b,3b,8a,8b,8c,8d,11c	
	14	8011	1b,3b,8a,8b,8c,8d,11c	
	15	8233	1b,3b,8a,8b,8c,8d,11c	
	16	8557	1b,3b,8a,8b,8c,8d,11c	

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
L.I. WATER CORPORATION	1-13	1601	1b,3b,4c
	1-15	3722	1b,3b,4c
	1-16	3832	1b,3b,4c
	1-17	6893	1b,3b,4c
	2-1	1602	1b,3b,4c
	3-1	1603	1b,3b,4c
	3-2	3520	1b,3b,4c
	4-1	1402	1b,3b,4c
	4-16	2613	1b,3b,4c
	4-17	8196	1b,3b,4c
	5(CS)	1346	1b,3b,4c,6a,8a,8b,9a
	6-1	4405	1b,3b,8a,8b
	7-1A	9613	1b,3b,4c,8a,8b
	7-2	2578	1b,3b,4c,8a,8b
	7-3	5145	1b,3b,4c,8a,8b
	8-1	3937	1b,3b,4c
	8-2	4394	1b,3b,4c
	9-1	8420	1b,3b,4c
	9-2A	10286	1b,3b,4c
	10-1	4393	1b,3b,4c
	12-1	4132	1b,3b,4c
	12-2	5153	1b,3b,4c
	14-1	4411	1b,3b,4c
	15-1	5121	1b,3b,4c
	15-2	8251	1b,3b,4c
	16-1	5187	1b,3b,4c
	17-1	5656	1b,3b,4c
	17-2	7521	1b,3b,4c
	18-1	5653	1b,3b,4c
	18-2	8250	1b,3b,4c
	19-1	6146	1b,3b,4c
	19-2	7522	1b,3b,4c
	20-1	7548	1b,3b,4c
	22-1	7831	1b,3b,4c
	23-1	7855	1b,3b,4c
	23-2	10103	1b,3b,4c
	24-1	8195	1b,3b,4c
	24-2	8979	1b,3b,4c

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
MANHASSET-LAKEVILLE W.D.			
CUMBERLAND	1	5099	2a,3a
EAST SHORE ROAD	S	7747	1a,3a
	D	9308	2a,3a
EXPRESSWAY	6	5710	2a,3a,6a
LAKEVILLE ROAD	7	1802	2a,6b
MUNSEY PARK	8	3523	2a,3a
PARKWAY #1	12	3905	1a,3a,6a
#2	4T	4243	1a,3a,6a
SHELTER ROCK ROAD #1	21	1328	2a,3a
#2	25	10557	2a,3a
VALLEY ROAD	22	1618	2a,3a,6b
EDEN WELL	23	7651	2a,3a
CAMPBELL #1	1T	7126	1a,3a
#2	3T	7892	1a
SEARINGTOWN ROAD #1	5T	2028	1a
# 2	6T	5528	1a
SPRUCE POND	26	10889	2a,3a
GRACEFIELD	27	11509	2a,3a
MASSAPEQUA W.D.	1	4602	1b,3a,4b,10a (Change to 1a in 19
	2R	9173	1b,3a,4b,10a (Change to 1a in 19
	3	5703	1b,3a,4b,10a (Change to 1a in 19
	4	6442	1b,3a,4b,10a (Change to 1a in 19
	5	6443	1b,3a,4b,10a (Change to 1a in 19
	6	6866	1b,3a,4b,10a (Change to 1a in 19
	7	6867	1b,3a,4b,10a (Change to 1a in 19
	8	8214	1b,3a,4b,10a (Change to 1a in 19
MILL NECK ESTATES W.S.	1	6042	1a
	2	8426	1a
MINEOLA (V)	1	97	2a,3a
	3	578	2a,3a
	4	3185	2b,3a,6a
	5	4082	2a,3a
	6	5596	2a,3a
	7	8576	2a,3a

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
N.Y. WATER SERVICE CORP			
NEWBRIDGE ROAD	1N	3895	1a,3a,4a,10a
	3N	8976	1a,3a,4a,10a
	4N	9878	1a,3a,4a,10a
SEAMANS NECK ROAD	2S	3893	1a,3a,4a,10a
	3S	8480	1a,3a,4a,10a
	4S	9338	1a,3a,4a,10a
JERUSALEM AVE	4J	9514	1a,3a,4a,10a
	5J	10195	1a,3a,4a,10a
CHARLES ST	2C	9976	1a,3a,4a,10a
JEFFERSON ST	11J	7407	1a,3a,4a,10a
	12J	8253	1a,3a,4a,10a
DE MOTT AVE	4D	5767	1a,3a,4a,10a
	5D	8837	1a,3a,4a,10a
	6D	9910	1a,3a,4a,10a
MASSAPEQUA	6M	7414	1a,3a,4a,10a
	7M	8603	1a,3a,4a,10a
	8M	10863	1a,3a,4a,10a
OLD MILL ROAD	1O	8031	1a,3a,4a,10a
N/E FARMINGDALE W.D.	–	–	0,12d
NO SHORE UNIV HOSPITAL @ GC	1	5994	1a
OLD WESTBURY (V)	1	152	2a
	2A	7513	2a,3a
	3	107	2a,3a
	4	7549	2a,3a
	5	8658	2a,3a
OYSTER BAY W.D.	PLT 1	585	1a,3a
	PLT 2	4400	2a,3a
	6–1	8183	2a,3a
	6–2	9520	2a,3a
PLAINVIEW W.D.	1–1	4095	1a,3b
	1–2	4096	1a,3b
	2–1	7526	1a,3b
	3–1	4097	1a,3b
	3–2	8580	1a,3b
	4–1	6076	1a,3b
	4–2	6077	1a,3b
	5–1	6956	1a,3b
	5–2	7421	1a,3b
	5–3	8054	1a,3b
	5–4	8595	1a,3b

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
PLANDOME (V)	1	28	2a
	2	29	2a
	3	3540	2a
PLANTING FIELDS ARBORETUM W.S.	-	-	2a,12c
PORT WASHINGTON W.D.			
NEULIST AVE	1N	1715	1a,3a,4a
	2N	1716	1a,3a,4a
	3N	2030	1a,3a,4a
HEWLETT	4H	2052	1a,4a,6b
SOUTHPORT	5S	4223	1a,4a
BAR BEACH	6B	5209	1a
RICKS	7R	5876	1a,4a
MORLEY PARK	8M	7551	1a,4a
	9M	7552	1a,4a,6b
SANDY HOLLOW RD	1SH	4860	1a,4a,6b
	2SH	6087	1a,4a,6b
	3SH	4859	1a,4a
STONYTOWN RD	10ST	9809	1a,3a,4a
ROCKVILLE CENTRE (V)	3	50	2a,3b,4a,8b
	4	9792	2a,3b,4a,8b
	5	72	2a,3b,4a,8b
	6	3745	2a,3b,4a,8b
	7	5193	2a,3b,4a,8b
	8	5194	2a,3b,4a,8b
	9	5195	2a,3b,4a,8b
	10	6817	2a,3b,4a,8b
	11	8216	2a,3b,4a,8b
	12	8217	2a,3b,4a,8b
	13	8218	2a,3b,4a,8b
ROOSEVELT FIELD W.D.	1	5484	1a,3b
	2	5485	1a,3b
	5	7957	1a,3a
	7	9521	1a,3a
	10	9846	1a,3b

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
ROSLYN W.D.	1-8	1870	1a
	2	2400	2a,3a
	3	4265	2a
	4	4623	2a,3a
	5	5852	2a,3a
	6	7104	2a,3a
	7	7873	2a,3a
	8	8010	2a,3a
SANDS POINT (V)	1	36	2a,3a
	2	37	2a,3a
	3	4389	2a,3a
	4	7157	2a,3a
	5	8183	2a,3a
	6	9446	2a,3a
SEA CLIFF WATER CO	GH	5792	1a,3a,4a
	SC	7857	1a,3a,4a
	D	901	1a,4a
SOUTH FARMINGDALE W.D.	1-2	4043	1a,3b,4b
	1-3	5148	1a,3b,4b
	1-4	7377	1a,3b,4b
	2-1	5147	1a,3b,4b,8a,8b
	2-2	6149	1a,3b,4b,8a,8b
	3-1	6150	1a,3b,4b
	4-1	6148	1a,3b,4b
	5-1	7515	1a,3b,4b
	5-2	7516	1a,3b,4b
	6-1	8664	1a,3b,4b
	6-2	8665	1a,3b,4b
SPLITROCK W.S.	1	UNK 2	2a
SWAN COVE W.S.	1	2920	1a
UNIONDALE W.D.	1	4756	1a,3b
	2	4757	1a,3b
	3	4758	1a,3b
	4	4759	1a,3b
	5	8474	1a,3a
	6	8475	1a,3a

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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT	
WESTBURY W.D.	6	101	2a,3a	
	7A	7785	2a,3a	
	9	2602	2a,3a	
	10	5007	2a,3a	
	11	5654	2a,3a	
	12	5655	2a,3a	
	12A	6819	2a,3a	
	14	7353	2a,3a	
	15	8007	2a,3a	
	16	8497	2a,3a	
	17	10451	2a,3a	
WEST HEMP-HEMP GARDENS W.D.	1	75	1a,3a,4b	
	2	76	1a,3a,4b	
	2A	9452	1a,3a,4b	
	3	2239	1a,3a,4b	
	4	3704	1a,3a,4b	
	5	4118	1a,3a,4b	
	6	5260	1b,3a,4b	(Change to 1a in 199
	7	7720	1b,3a,4b	(Change to 1a in 199
	9	10408	1a,3a,4b	
	10	10401	1a,3a,4b	
WILLISTON PK (V)	1	103	2a,3a	
	2	104	2a,3a	
	3	2487	2a,3a	
	4	8248	2a,3a,6a	

SOURCES:

(1) Public Water Supply Annual Inspection Reports (GEN 200), NCDH, 1991
(2) 1991 Water Supply Emergency Plans.
(3) Water Supply Survey by NCDH, 1990.

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NON-COMMUNITY PUBLIC WATER SYSTEMS
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WATER SYSTEM	LOCAL WELL NO.	NYSDEC WELL NO.	TREATMENT
BEAVER DAM WINTER SPORTS CLUB	1	5672	2a
BETHPAGE STATE PARK	3	617	0
	4	7438	0
GLEN HEAD COUNTRY CLUB	OLD	2616	0
	NEW	7834	0
JONES BEACH STATE PARK	3	5129	1a,3b,8a
	4	8414	1a,3b,8a
SAGAMORE HILL HISTORIC SITE	1	9068	1a
	1R	9076	1a
	2	570	1a
SEAWANHAKA YACHT CLUB	1	Unknown	2a
TOBAY BEACH	2	6657	1a
	NEW		1a,3a,8a

0 = No treatment provided

SOURCES:

(1) Public Water Supply Annual Inspection Reports (GEN 200), NCDH, 1991.

(2) NCDH records (Well site inspections)

NASSAU COUNTY DEPARTMENT OF HEALTH

CHLORINATION WAIVER AND CHLORINATING SYSTEMS FOR 1990 – 1992 (a)
COMMUNITY PUBLIC SYSTEMS

WATER SYSTEMS WITH WAIVERS				WATER SYSTEMS WITHOUT WAIVERS	
DO NOT CHLORINATE (h)	ESTIMATED POPULATION (b)	ROUTINELY CHLORINATE	ESTIMATED POPULATION (b)	ROUTINELY CHLORINATE	ESTIMATED POPULATION (b)
(1)	(2)	(3)	(4)	(5)	(6)
ALBERTSON WD	13,500	HICKSVILLE WD (f)	47,810	BOWLING GREEN WD	12,000
BAYVILLE (V)	8,800	MANHASSET-LAKEV WD (e,f,g)	43,000	DEFOREST DR ASSOC	21
BETHPAGE WD	33,000	OYSTER BAY WD (g)	8,360	EAST MEADOW WD	50,000
CARLE PLACE WD	10,000	PLAINVIEW WD (f)	35,000	GARDEN CITY SOUTH WD (d)	1,500
EAST WILLISTON (V) (e)	2,600	PORT WASHINGTON WD (f)	34,000	WA of GREAT NECK NORTH	31,401
FARMINGDALE (V)	7,868	ROSLYN WD (g)	28,000	HEMPSTEAD (V)	50,558
(N/E FARMINGDALE WD) (c)	300			JAMAICA WS CO	130,000
FRANKLIN SQUARE WD	20,000			LEVITTOWN WD	50,000
FREEPORT (V)	40,000			LIDO-PT LOOKOUT WD	4,500
GARDEN CITY PARK WD	21,000			LONG BEACH, City of	35,000
GARDEN CITY (V) (e)	23,000			LONG IS WATER CORP	237,550
GLEN COVE, City of (e)	28,000			MASSAPEQUA WD	46,000
GLENWOOD WD	640			MILL NECK EST WS	240
JERICHO WD	58,000			NY WATER SERVICE CORP	170,000
LOCUST VALLEY WD	7,500			NO SHORE UNIV HOSP @ GC	1,400
MINEOLA (V)	22,000			ROOSEVELT FIELD WD	1,900
OLD WESTBURY (V)	3,200			SEA CLIFF WATER CO	17,850
PLANDOME (V) (e)	1,600			SWAN COVE WS	51
PLANTING FIELDS ARBOR WS	90			SO FARMINGDALE WD	44,700
ROCKVILLE CENTRE (V) (e)	28,000			UNIONDALE WD	23,000
SANDS POINT (V)	2,795			WEST HEMPSTEAD WD	32,000
SPLIT ROCK WS	25				
WESTBURY WD	20,050				
WILLISTON PARK (V) (e)	7,474				

ROUTINE TREATMENT	NUMBER OF SYSTEMS	POPULATION	PERCENT OF POPULATION
DO NOT CHLORINATE	24	359,442	24.0%
CHLORINATE	27	1,135,841	76.0%

(a) Chlorination waivers issued for 3 year period beginning January 1, 1990.
(b) Community Water System Sampling Site Plans, 1991.
(c) Consecutive water system supplied by Village of Farmingdale which has a waiver.
(d) Supplied by West Hempstead-Hempstead Gardens W.D. which chlorinates.
(e) These systems instituted emergency chlorination periodically during 1990-1991 as required by NCDH.
(f) These systems chlorinate totally or partially even though granted waivers.

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY PUBLIC WATER SYSTEM ESTIMATED POPULATION, ACTUAL PUMPAGE AND PER CAPITA CONSUMPTION IN 1991 NASSAU COUNTY, NEW YORK

WATER SYSTEM	ESTIMATED POPULATION	TOTAL PUMPAGE (Galx1000)	IMPORTED OR (EXPORTED) (Galx1000)	GALLONS PER CAPITA DAY (GPCD)
(1)	(2)	(3)	(4)	(5)
ALBERTSON WD	13,500	852,516		173
BAYVILLE (V)	8,800	308,175		96
BETHPAGE WD	33,000	1,329,122		110
BOWLING GREEN WD	12,000	308,134	168,888	109
CARLE PLACE WD	10,000	514,197		141
GREAT NECK NO. WA of	31,401	1,652,557		144
DEFOREST DR ASSOC	21	(a)		(a)
EAST MEADOW WD	50,000	2,516,903		138
EAST WILLISTON (V)	2,600	0	120,000	126
FARMINGDALE (V)	7,868	418,083		146
FRANKLIN SQUARE WD	20,000	684,108		94
FREEPORT (V)	40,000	1,793,830		123
GARDEN CITY PARK WD	21,000	1,210,711		158
GARDEN CITY SOUTH WD	1,500	0	(a)	(a)
GARDEN CITY (V)	23,000	1,416,920		169
GLEN COVE CITY	28,000	1,404,045		137
NO SHORE UNIV HOSP @ GC	1,400	TRANSIENT POPULATION		(b)
GLENWOOD WD	640	0	66,509	285
HEMPSTEAD (V)	50,558	2,315,740		125
HICKSVILLE WD	47,810	2,535,506		145
JAMAICA WS CO	130,000	3,700,500		78
JERICHO WD	58,000	4,464,372		211
LEVITTOWN WD	50,000	2,057,047		113
LIDO-PT LOOKOUT WD	4,500	349,279		213
LOCUST VALLEY WD	7,500	584,968		214
LONG BEACH CITY	35,000	1,339,433		105
LONG IS WATER CORP	237,550	10,527,716		121
MANHASSET-LAKEV WD	43,000	2,274,033	(120,000)	137
MASSAPEQUA WD	46,000	1,893,004		113
MILL NECK EST WS	240	(a)		(a)
MINEOLA (V)	22,000	1,010,915		126
N/E FARMINGDALE WD	300	INCLUDED IN VILLAGE OF FARMINGDALE		
NY WATER SERVICE CORP	170,000	5,490,530		88
OLD WESTBURY (V)	3,200	576,552		494

NASSAU COUNTY DEPARTMENT OF HEALTH

COMMUNITY PUBLIC WATER SYSTEM ESTIMATED POPULATION, ACTUAL PUMPAGE AND PER CAPITA CONSUMPTION IN 1991 NASSAU COUNTY, NEW YORK

WATER SYSTEM	ESTIMATED POPULATION	TOTAL PUMPAGE (Galx1000)	IMPORTED OR (EXPORTED) (Galx1000)	GALLONS PER CAPITA DAY (GPCD)
(1)	(2)	(3)	(4)	(5)
OYSTER BAY WD	8,360	438,022		144
PLAINVIEW WD	35,000	1,690,408		132
PLANDOME (V)	1,600	84,053		144
PLANTING FIELDS ARBOR	90	INCLUDED IN LOCUST VALLEY W.D.		
PORT WASHINGTON WD	34,000	1,411,770	120,000	123
ROCKVILLE CENTRE (V)	28,000	1,398,086		137
ROOSEVELT FIELD WD	1,900	979,436	(168,888)	(c)
ROSLYN WD	28,000	1,278,447	(66,509)	119
SANDS POINT (V)	2,795	326,780		320
SEA CLIFF WATER CO	17,850	468,580		72
SWAN COVE WS	51	(a)		(a)
SO FARMINGDALE WD	44,700	1,588,903		97
SPLIT ROCK WS	25	(a)		(a)
UNIONDALE WD	23,000	1,005,484		120
WESTBURY WD	20,050	1,083,462		148
WEST HEMPSTEAD WD	32,031	1,154,899		99
WILLISTON PARK (V)	7,474	556,120	(120,000)	160
TOTAL	1,491,624	66,993,346		123

(a) Not Available

(b) Not Applicable

(c) Not Applicable. Transient population; water used mainly for cooling and industrial use.

SOURCE:

(2) Community Water System Sampling Site Plans, 1991.

(3) Total pumpage from NYSDEC, "Public Water Supply Pumpage, Nassau County, 1991", April 1992.

(4) Reported by public water suppliers in Annual Water Supply Statements for 1991 or in 1991 Monthly Operating Reports.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY PUMPAGE BY AQUIFER

NASSAU COUNTY, NEW YORK

YEAR	AVERAGE PUMPAGE (MGD)	TOTAL GALLONS (MILLION)	MAGOTHY		LLOYD		GLACIAL		JAMECO		PORT WASHINGTON	
			GALLONS (MILLION)	%	GALLONS (MILLION)	%	GALLONS (MILLION)	%	GALLONS (MILLION)	%	GALLONS (MILLION)	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1937	32.8	11,963	–	0.0%	–	0.0%	1,903	15.9%	2,373	19.8%	(a)	0.0%
1940	35.9	13,139	–	0.0%	–	0.0%	2,416	18.4%	2,452	18.7%	(a)	0.0%
1945	41.4	15,111	7,191	47.6%	2,810	18.6%	2,482	16.4%	2,628	17.4%	(a)	0.0%
1950	58.4	21,316	11,753	55.1%	3,467	16.3%	3,759	17.6%	2,300	10.8%	(a)	0.0%
1955	106.0	38,675	28,065	72.6%	3,931	10.2%	5,683	14.7%	996	2.6%	(a)	0.0%
1960	123.4	45,172	35,590	78.8%	4,187	9.3%	4,182	9.3%	1,211	2.7%	(a)	0.0%
1965	165.9	60,539	49,939	82.5%	5,223	8.6%	3,270	5.4%	2,106	3.5%	(a)	0.0%
1970	181.0	66,050	55,204	83.6%	5,724	8.7%	3,091	4.7%	2,031	3.1%	(a)	0.0%
1971	177.0	64,605	56,547	87.5%	3,627	5.6%	2,504	3.9%	1,927	3.0%	(a)	0.0%
1972	174.2	63,762	53,768	84.3%	5,728	9.0%	2,574	4.0%	1,692	2.7%	(a)	0.0%
1973	178.5	65,141	55,869	85.8%	4,687	7.2%	2,775	4.3%	1,809	2.8%	(a)	0.0%
1974	178.7	65,233	56,093	86.0%	4,742	7.3%	2,695	4.1%	1,704	2.6%	(a)	0.0%
1975	170.0	62,044	53,164	85.7%	4,988	8.0%	2,229	3.6%	1,665	2.7%	(a)	0.0%
1976	184.1	67,375	57,716	85.7%	4,512	6.7%	3,002	4.5%	2,145	3.2%	(a)	0.0%
1977	181.8	66,345	56,892	85.8%	4,923	7.4%	2,514	3.8%	2,105	3.2%	(a)	0.0%
1978	181.0	66,045	57,837	87.6%	4,763	7.2%	1,639	2.5%	1,806	2.7%	(a)	0.0%
1979	175.6	64,078	56,059	87.5%	5,056	7.9%	1,066	1.7%	1,697	2.6%	(a)	0.0%
1980	194.0	70,885	62,952	88.7%	4,560	6.4%	1,477	2.1%	1,995	2.8%	(a)	0.0%
1981	173.0	63,156	56,035	88.7%	4,083	6.5%	1,114	1.8%	1,925	3.0%	(a)	0.0%
1982	178.7	65,234	57,950	88.8%	4,375	6.7%	1,274	2.0%	1,635	2.5%	(a)	0.0%
1983	194.5	70,992	62,718	88.3%	5,022	7.1%	1,727	2.4%	1,525	2.1%	(a)	0.0%
1984	183.6	67,185	59,076	87.9%	4,854	7.2%	3,255	4.8%	(a)	–	(a)	–
1985	187.4	68,388	59,110	86.4%	4,402	6.4%	3,140	4.6%	1,736	2.5%	(a)	0.0%
1986	199.5	72,820	63,583	87.3%	4,806	6.6%	2,834	3.9%	1,594	2.2%	4	0.0%
1987	185.2	67,582	59,685	88.3%	4,497	6.7%	1,952	2.9%	1,447	2.1%	2	0.0%
1988	187.9	68,784	60,544	88.0%	4,576	6.7%	2,122	3.1%	1,542	2.2%	0.22	0.0%
1989	167.8	61,230	53,934	88.1%	4,307	7.0%	2,680	4.4%	308	0.5%	(a)	–
1990	168.1	61,372	56,032	91.3%	3,959	6.5%	862	1.4%	519	0.8%	(a)	–
1991	183.5	66,993	59,256	88.5%	4,195	6.3%	2,342	3.5%	1,199	1.8%	1	0.0%

(a) These aquifers included as part of Glacial pumpage.

SOURCES 1937-1965 various water supply reports.
1970-1981 NCDPW records.
1982-1984 NYSDEC personal communication.
1985-1988 NYSDEC tabulation.
1989 NYSDEC tabulation, 8/19/90
1990 NCDPW tabulation
1991 NYSDEC tabulation, 4/28/92

NASSAU COUNTY DEPARTMENT OF HEALTH

MONTHLY PUBLIC WATER SYSTEM PUMPAGE FOR 1991 IN NASSAU COUNTY

WATER SYSTEM	PUMPAGE x 1000 GALLONS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BOWLING GREEN W.D.	26,228	30,545	15,932	21,711	35,736	42,540	52,713	50,694	27,062	3,792	183	998	308,134
EAST MEADOW W.D.	178,238	163,818	181,349	175,736	250,469	259,608	263,513	296,645	247,738	191,399	160,741	147,649	2,516,903
LEVITTOWN W.D.	133,943	129,173	157,826	156,452	211,018	216,153	233,503	211,512	176,124	155,401	135,581	140,361	2,057,047
LIDO-PT LOOKOUT W.D.	17,680	15,281	16,897	20,327	34,294	41,894	47,579	46,917	38,566	29,827	20,971	19,046	349,279
ROOSEVELT FIELD W.D.	38,486	26,445	53,575	41,085	55,310	130,018	140,591	138,641	106,783	93,192	80,731	74,579	979,436
UNIONDALE W.D.	49,592	45,853	54,654	57,074	100,076	110,906	132,031	124,270	94,827	80,843	72,496	82,862	1,005,484
TOWN OF HEMPSTEAD TOTAL	444,167	411,115	480,233	472,385	686,903	801,119	869,930	868,679	691,100	554,454	470,703	465,495	7,216,283
ALBERTSON W.D.	54,851	50,001	55,978	55,185	83,406	98,121	105,952	102,501	84,283	63,210	49,022	50,006	852,516
BAYVILLE (V)	17,464	16,039	17,223	17,546	32,897	37,253	43,697	35,999	31,258	22,102	18,068	18,627	308,175
BETHPAGE W.D.	81,948	73,638	83,270	84,748	140,234	163,284	169,262	147,914	125,343	95,648	78,453	85,380	1,329,122
CARLE PLACE W.D.	31,688	29,990	32,778	34,336	52,601	60,329	62,562	59,231	49,125	38,099	31,531	31,927	514,197
GREAT NECK NORTH, W.A. of	100,082	83,151	98,612	104,769	175,331	203,822	208,719	195,689	171,665	124,280	94,075	92,362	1,652,557
EAST WILLISTON (V)	SUPPLIED BY WILLISTON PARK (V)												
FARMINGDALE (V)	29,166	24,768	29,531	29,490	40,416	45,477	49,400	43,598	39,081	32,194	27,167	27,795	418,083
FRANKLIN SQUARE W.D.	47,570	42,901	47,793	45,923	68,271	76,008	78,714	74,084	62,273	50,530	44,011	48,030	684,108
FREEPORT (V)	130,872	122,204	132,585	132,599	164,685	176,761	196,868	172,518	163,206	144,740	124,327	132,465	1,793,830
GARDEN CITY (V)	85,870	78,870	86,890	91,030	138,950	164,840	176,040	170,970	149,630	116,430	80,280	77,120	1,416,920
GARDEN CITY PARK W.D.	77,999	72,472	79,019	78,846	119,021	137,697	148,933	141,609	119,599	90,007	73,015	72,494	1,210,711
GARDEN CITY SOUTH W.D.	SUPPLIED BY WEST HEMPSTEAD-HEMPSTEAD GARDENS W.D.												
GLEN COVE CITY	99,679	85,955	97,437	97,162	133,716	150,286	175,280	130,702	120,333	115,352	99,906	98,237	1,404,045
GLENWOOD W.D.	SUPPLIED BY ROSLYN W.D.												
HEMPSTEAD (V)	182,171	156,242	172,513	175,609	203,378	217,757	233,571	229,219	204,916	189,196	175,700	175,468	2,315,740
HICKSVILLE W.D.	165,844	149,228	165,932	175,985	255,309	286,407	305,998	286,057	234,151	187,174	158,200	165,221	2,535,506
JAMAICA WATER SUPPLY CO	246,000	226,000	260,000	268,700	365,000	407,300	411,000	386,900	332,100	291,700	250,700	255,100	3,700,500
JERICHO W.D.	211,989	188,120	215,308	244,718	498,283	594,029	687,740	567,866	501,375	330,204	218,340	206,400	4,464,372
LOCUST VALLEY W.D.	24,981	20,638	23,628	30,563	67,850	78,889	101,437	79,128	68,040	38,165	26,599	25,050	584,968
LONG BEACH CITY	97,236	89,559	101,104	101,353	120,131	129,851	139,073	137,353	117,069	107,636	98,107	100,361	1,339,433

NASSAU COUNTY DEPARTMENT OF HEALTH

MONTHLY PUBLIC WATER SYSTEM PUMPAGE FOR 1991 IN NASSAU COUNTY

WATER SYSTEM	PUMPAGE x 1000 GALLONS												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEARLY
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
LONG ISLAND WATER CORP	676,614	598,006	669,644	705,587	1,014,723	1,173,376	1,234,726	1,224,050	1,035,258	837,110	682,624	675,998	10,527,716
MANHASSET-LAKEVILLE W.D.	121,032	107,927	119,773	137,127	214,876	263,648	296,810	284,251	267,528	194,086	136,632	130,343	2,274,033
MASSAPEQUA W.D.	126,167	99,026	119,482	107,873	186,973	235,240	240,174	234,578	181,875	141,506	113,656	106,454	1,893,004
MINEOLA (V)	71,481	64,822	72,112	73,682	94,633	102,346	108,715	105,403	88,030	80,975	73,299	75,417	1,010,915
NEW YORK W. S. CORP	324,210	296,800	346,650	372,690	538,940	623,670	653,730	646,030	523,490	416,090	375,690	372,540	5,490,530
OLD WESTBURY (V)	19,235	18,259	22,286	27,540	68,063	80,644	93,109	83,038	74,690	45,336	24,058	20,294	576,552
OYSTER BAY W.D.	26,445	22,499	26,066	27,703	45,431	51,588	62,260	49,675	42,811	32,462	26,090	24,992	438,022
PLAINVIEW W.D.	98,840	85,638	98,732	105,112	175,404	208,457	222,363	203,359	175,725	123,631	98,181	94,966	1,690,408
PLANDOME (V)	4,734	4,192	4,683	4,950	9,448	10,470	11,282	11,064	9,518	5,991	3,839	3,882	84,053
PORT WASHINGTON W.D.	101,850	88,840	104,430	112,090	147,540	151,210	170,390	140,730	95,460	96,960	100,430	101,840	1,411,770
ROCKVILLE CENTRE (V)	90,606	79,441	91,165	98,166	130,152	146,658	157,832	162,172	139,322	115,137	91,961	95,474	1,398,086
ROSLYN W.D.	69,479	57,818	68,136	74,957	133,552	155,361	174,743	164,400	140,742	102,858	71,624	64,777	1,278,447
SANDS POINT (V)	14,060	12,560	12,030	21,450	37,280	41,200	51,200	43,690	38,830	26,330	14,770	13,380	326,780
SEA CLIFF WATER CO	29,598	25,678	29,761	33,185	48,022	52,913	61,468	52,004	44,939	33,369	28,562	29,081	468,580
SOUTH FARMINGDALE W.D.	96,604	85,517	99,802	108,352	159,292	183,376	198,484	182,999	156,232	117,506	97,363	103,376	1,588,903
WESTBURY W.D.	73,847	66,487	72,752	75,199	107,156	115,749	129,478	118,928	101,602	81,533	70,681	70,050	1,083,462
W HEMP-HEMP GARDENS W.D.	79,307	77,497	74,596	80,443	119,400	126,380	135,201	120,902	101,193	92,837	73,646	73,497	1,154,899
WILLISTON PARK (V)	40,860	38,390	41,390	39,390	51,670	58,680	60,650	59,530	51,170	40,990	35,840	37,560	556,120
TOTAL	4,194,546	3,750,288	4,253,324	4,446,445	6,627,537	7,610,196	8,226,791	7,716,820	6,532,962	5,175,828	4,237,150	4,221,459	66,993,346

SOURCE: NYSDEC Report, "Public Water Supply Pumpage Nassau County, 1991", April 1992

NASSAU COUNTY DEPARTMENT OF HEALTH

COMPARISON OF 1991 PUMPAGE WITH NYSDEC PUMPAGE CAPS
PUBLIC WATER SYSTEMS IN NASSAU COUNTY

(All Data in Millions of Gallons)

WATER SYSTEM	1991 PUMPAGE	ANNUAL CAP	PERCENT ABOVE OR (BELOW) ANNUAL CAP *	1987-91 AVERAGE PUMPAGE	FIVE YEAR CAP	PERCENT ABOVE OR (BELOW) FIVE YEAR CAP **
(1)	(2)	(3)	(4)	(5)	(6)	(7)
TOWN OF HEMPSTEAD						
-FIVE DISTRICT AGGREGATE	6,867	6,759	1.6%	6,200	5,947	4.3%
BOWLING GREEN W.D.						
EAST MEADOW W.D.						
LEVITTOWN W.D.						
ROOSEVELT FIELD W.D.						
UNIONDALE W.D.						
-LIDO-PT LOOKOUT W.D.	349	391	-10.7%	326	357	-8.7%
ALBERTSON W.D.	853	807	5.6%	756	727	4.0%
BAYVILLE (V)	308	356	-13.4%	294	336	-12.5%
BETHPAGE W.D.	1,329	1,588	-16.3%	1,265	1,435	-11.8%
CARLE PLACE W.D.	514	581	-11.5%	506	551	-8.2%
GREAT NECK NORTH, W.A. of	1,653	1,753	-5.7%	1,555	1,693	-8.2%
EAST WILLISTON (V)	-	-	-	-	-	-
FARMINGDALE (V)	418	403	3.7%	387	382	1.3%
FRANKLIN SQUARE W.D.	684	735	-6.9%	682	710	-3.9%
FREEPORT (V)	1,794	1,795	-0.1%	1,771	1,748	1.3%
GARDEN CITY (V)	1,417	1,836	-22.8%	1,450	1,742	-16.8%
GARDEN CITY PARK W.D.	1,211	1,200	0.9%	1,117	1,150	-2.9%
GARDEN CITY SOUTH W.D.	-	-	-	-	-	-
GLEN COVE CITY	1,404	1,666	-15.7%	1,417	1,582	-10.4%
GLENWOOD W.D.	-	-	-	-	-	-
HEMPSTEAD (V)	2,316	2,135	8.5%	2,254	2,047	10.1%
HICKSVILLE W.D.	2,536	2,782	-8.9%	2,470	2,632	-6.2%
JAMAICA WATER SUPPLY CO	3,701	6,180	-40.1%	4,463	5,803	-23.1%
JERICHO W.D.	4,464	4,361	2.4%	4,020	4,074	-1.3%
LOCUST VALLEY W.D.	585	560	4.5%	522	494	5.7%
LONG BEACH CITY	1,339	1,336	0.3%	1,316	1,302	1.1%
LONG ISLAND WATER CORP	10,528	11,015	-4.4%	10,397	10,618	-2.1%
MANHASSET-LAKEVILLE W.D.	2,274	2,851	-20.2%	2,428	2,600	-6.6%
MASSAPEQUA W.D.	1,893	2,111	-10.3%	1,748	1,965	-11.0%
MINEOLA (V)	1,011	1,124	-10.1%	1,021	1,106	-7.7%
NEW YORK W. S. CORP	5,491	5,946	-7.7%	5,373	5,684	-5.5%
OLD WESTBURY (V)	577	562	2.6%	493	510	-3.3%

NASSAU COUNTY DEPARTMENT OF HEALTH

COMPARISON OF 1991 PUMPAGE WITH NYSDEC PUMPAGE CAPS
PUBLIC WATER SYSTEMS IN NASSAU COUNTY

(All Data in Millions of Gallons)

WATER SYSTEM	1991 PUMPAGE	ANNUAL CAP	PERCENT ABOVE OR (BELOW) ANNUAL CAP *	1987-91 AVERAGE PUMPAGE	FIVE YEAR CAP	PERCENT ABOVE OR (BELOW) FIVE YEAR CAP **
(1)	(2)	(3)	(4)	(5)	(6)	(7)
STER BAY W.D.	438	429	2.1%	401	407	-1.5%
INVIEW W.D.	1,690	1,981	-14.7%	1,710	1,891	-9.6%
NDOME (V)	84	109	-22.9%	75	99	-24.2%
T WASHINGTON W.D.	1,412	1,464	-3.6%	1,317	1,415	-6.9%
KVILLE CENTRE (V)	1,398	1,574	-11.2%	1,385	1,505	-8.0%
LYN W.D.	1,278	1,436	-11.0%	1,208	1,344	-10.1%
DS POINT (V)	327	345	-5.3%	276	302	-8.6%
CLIFF WATER CO	469	481	-2.6%	445	462	-3.7%
TH FARMINGDALE W.D.	1,589	1,697	-6.4%	1,448	1,595	-9.2%
STBURY W.D.	1,083	1,185	-8.6%	1,060	1,117	-5.1%
EMP-HEMP GARDENS W.D.	1,155	1,309	-11.8%	1,121	1,211	-7.4%
ISTON PARK (V)	556	516	7.8%	470	491	-4.3%
TOTAL	66,993	73,359	-8.7%	65,147	69,034	-5.6%

URCE: NYSDEC Report, "Public Water Supply Pumpage Nassau County, 1991", April 1992.

Comparison of 1991 pumpage versus annual pumpage CAP.

Comparison of 1987 through 1991 average pumpage versus Five-year (1987-1991) pumpage CAP

NASSAU COUNTY DEPARTMENT OF HEALTH

ACCOUNTING FOR PUBLIC WATER SYSTEM WITHDRAWALS IN 1991
COMMUNITY PUBLIC WATER SYSTEMS IN NASSAU COUNTY
(GALLONS x 1000)

WATER SYSTEM	TOTAL GALLONS WITHDRAWN	TOTAL GALLONS BILLED	TOTAL GALLONS NOT BILLED BUT ACCOUNTED FOR	TOTAL GALLONS UNACCOUNTED FOR (d)	PERCENT OF WITHDRAWAL UNACCOUNTED FOR
(1)	(2)	(3)	(4)	(5)	(6)
TOWN OF HEMPSTEAD (a)					
-FIVE DISTRICT AGGREGATE	N.A.	N.A.	N.A.	N.A.	N.A.
BOWLING GREEN W.D.					
EAST MEADOW W.D.					
LEVITTOWN W.D.					
ROOSEVELT FIELD W.D.					
UNIONDALE W.D.					
-LIDO-PT LOOKOUT W.D. (a)	N.A.	N.A.	N.A.	N.A.	N.A.
ALBERTSON W.D.	852,516	607,762		224,754	26.4%
BAYVILLE (V) 1990	308,175	246,540		61,635	20.0%
BETHPAGE W.D.	1,329,122	1,208,172		120,950	9.1%
CARLE PLACE W.D.	514,197	454,111		60,086	11.7%
GREAT NECK NO. W.A. of	1,652,557	1,550,637	12,710	89,210	5.4%
EAST WILLISTON (V)	-	-	-	-	-
FARMINGDALE (V)	418,083	382,546		35,537	8.5%
FRANKLIN SQUARE W.D.	684,109	651,956		32,153	4.7%
FREEPORT (V)	1,793,830	1,592,589	89,692	111,549	6.2%
GARDEN CITY (V)	1,416,920	1,270,977		145,943	10.3%
GARDEN CITY PARK W.D.	1,070,499	984,859		85,640	8.0%
GARDEN CITY SOUTH W.D.	-	-	-	-	-
GLEN COVE CITY	1,404,045	1,263,641		140,404	10.0%
GLENWOOD W.D.	-	-	-	-	-
HEMPSTEAD (V)	2,315,739	2,084,165		231,574	10.0%
HICKSVILLE W.D.	2,535,506	2,358,021		177,485	7.0%
JAMAICA WATER SUPPLY CO	3,700,500	3,475,500		225,000	6.1%
JERICHO W.D.	4,464,000	4,266,000		198,000	4.4%
LOCUST VALLEY W.D.	585,000	526,500		58,500	10.0%
LONG BEACH CITY	1,281,310	1,225,090		56,220	4.4%

NASSAU COUNTY DEPARTMENT OF HEALTH

ACCOUNTING FOR PUBLIC WATER SYSTEM WITHDRAWALS IN 1991
COMMUNITY PUBLIC WATER SYSTEMS IN NASSAU COUNTY
(GALLONS x 1000)

WATER SYSTEM	TOTAL GALLONS WITHDRAWN	TOTAL GALLONS BILLED	TOTAL GALLONS NOT BILLED BUT ACCOUNTED FOR	TOTAL GALLONS UNACCOUNTED FOR (d)	PERCENT OF WITHDRAWAL UNACCOUNTED FOR
(1)	(2)	(3)	(4)	(5)	(6)
LONG ISLAND WATER CORP	10,527,716	9,583,376	448,069	496,271	4.7%
MANHASSET-LAKEVILLE W.D.	2,274,033	2,160,331		113,702	5.0%
MASSAPEQUA W.D.	1,893,000	1,798,350		94,650	5.0%
MINEOLA (V)	1,010,915	910,835		100,080	9.9%
NEW YORK W. S. CORP	5,490,540	4,860,555	76,120	553,865	10.1%
OLD WESTBURY (V)	576,552	530,428		46,124	8.0%
OYSTER BAY W.D.	438,021	376,698		61,323	14.0%
PLAINVIEW W.D.	1,691,046	1,538,852		152,194	9.0%
PLANDOME (V)	84,053	67,411		16,642	19.8%
PORT WASHINGTON W.D. (b)	1,531,780	1,378,602		153,178	10.0%
ROCKVILLE CENTRE (V)	1,398,086	1,328,182		69,904	5.0%
ROSLYN W.D.	1,278,448	1,201,836		76,612	6.0%
SANDS POINT (V)	329,500	319,200		10,300	3.1%
SEA CLIFF WATER CO	468,600	408,100		60,500	12.9%
SOUTH FARMINGDALE W.D.	1,588,903	(c)		(c)	(c)
WESTBURY W.D.	1,083,472	978,375		105,097	9.7%
W HEMP-HEMP GARDENS W.D.	1,136,889	929,975		206,914	18.2%
WILLISTON PARK (V)	556,120	433,000		123,120	22.1%
COUNTY TOTAL	59,683,781	52,953,171	626,591	4,495,117	7.5%

SOURCE: 1991 data from required Annual Water Supply Statements.

N.A. - Water Supply Statement not available.

(a) Town of Hempstead (TOH) total is for the five interconnected districts of the six operated by TOH Department of Water. Lido-Pt Lookout W.D. is given separately.

(b) Includes 120,000,000 gallons from Manhasset-Lakeville W.D.

(c) Information not supplied in annual statement.

(d) Includes unmetered uses such as supplier use, fire fighting, main breaks, main flushing and distribution system and service line leaks.

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS for 1991
COMMUNITY PUBLIC WATER SYSTEMS
CONSTITUENTS REQUIRED TO BE MONITORED

Analysis Code	Category of Analysis	Constituents	MCL	Detection Limit
(1)	(2)	(3)	(4)	(5)
PHY.1	Physical (units)	Turbidity	5	
		Color	15	
		Odor	3	
		Temperature (F)	-	
IOC.1	Inorganic (mg/L)	Arsenic	0.05	
		Barium	1.0	
		Cadmium	0.010	
		Chromium	0.05	
		Fluoride	2.2 [1]	
		Lead	0.05	
		Mercury	0.002	
		Selenium	0.01	
		Silver	0.05	
IOC.2	Inorganic (mg/L)	Nitrate	10.0	
		Chloride	250	
		Copper	1.0	
		Iron	0.3 [2]	
		Langelier Index	- [3]	
		Manganese	0.3 [2]	
		Sodium	- [4]	
		Sulfate	250	
		Zinc	5.0	
		pH	7.5 - 8.5 [5]	
		Ammonia	-	
		Foaming Agents	-	
		Nitrites	-	
		Total Alkalinity	-	
		Total Dissolved Solids	-	
		Total Hardness	-	
		Calcium Hardness	-	
P&H.1	Pesticides and Herbicides (µg/L)	Endrin	0.2	
		Methoxychlor	50.0	
		Lindane	4.0	
		Toxaphene	5.0	
		2,4-D	50.0	
		2,4,5-TP (Silvex)	10.0	

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS for 1991
COMMUNITY PUBLIC WATER SYSTEMS
CONSTITUENTS REQUIRED TO BE MONITORED

Analysis Code	Category of Analysis	Constituents	MCL	Detection Limit
(1)	(2)	(3)	(4)	(5)
P&H.2	Pesticides and Herbicides (µg/L)	Aldrin	5.0	
		Chlordane	5.0	
		DDT (p,p & o,p)	5.0	
		Dieldrin	5.0	
		Heptachlor	5.0	
		Heptachlor epoxide	5.0	
VOC.1	Drinking Water Volatile Halocarbons (µg/L)	Bromochloromethane	5.0	<0.5
		Bromomethane	5.0	<0.5
		Carbon tetrachloride	5.0	<0.5
		Chloroethane	5.0	<0.5
		Chloromethane	5.0	<0.5
		Dibromomethane	5.0	<0.5
		Dichlorodifluoromethane	5.0	<0.5
		1,1-Dichloroethane	5.0	<0.5
		1,2-Dichloroethane	5.0	<0.5
		1,1-Dichloroethylene [6]	5.0	<0.5
		cis-1,2-Dichloroethylene [6]	5.0	<0.5
		trans-1,2-Dichloroethylene [6]	5.0	<0.5
		1,2-Dichloropropane	5.0	<0.5
		1,3-Dichloropropane	5.0	<0.5
		2,2-Dichloropropane	5.0	<0.5
		1,1-Dichloropropene	5.0	<0.5
		cis-1,3-Dichloropropene	5.0	<0.5
		trans-1,3-Dichloropropene	5.0	<0.5
		Dichloromethane	5.0	<0.5
		1,1,1,2-Tetrachloroethane	5.0	<0.5
		1,1,2,2-Tetrachloroethane	5.0	<0.5
		Tetrachloroethylene [6]	5.0	<0.5
		1,1,1-Trichloroethane	5.0	<0.5
		1,1,2-Trichloroethane	5.0	<0.5
		Trichloroethylene [6]	5.0	<0.5
		Trichlorofluoromethane	5.0	<0.5
		1,2,3-Trichloropropane	5.0	<0.5
		Vinyl chloride	2.0	<0.5
		Bromoform	50.0	<0.5
		Bromodichloromethane	50.0	<0.5
		Chloroform	50.0	<0.5
		Chlorodibromomethane	50.0	<0.5

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS for 1991
COMMUNITY PUBLIC WATER SYSTEMS
CONSTITUENTS REQUIRED TO BE MONITORED

Analysis Code	Category of Analysis	Constituents	MCL	Detectio Limit
(1)	(2)	(3)	(4)	(5)
VOC.2	Drinking Water Volatile Aromatics (µg/L)	Benzene	5.0	<0.5
		Bromobenzene	5.0	<0.5
		n–Butylbenzene	5.0	<0.5
		sec–Butylbenzene	5.0	<0.5
		tert–Butylbenzene	5.0	<0.5
		Chlorobenzene	5.0	<0.5
		o–Chlorotoluene	5.0	<0.5
		p–Chlorotoluene	5.0	<0.5
		m–Dichlorobenzene	5.0	<0.5
		o–Dichlorobenzene	5.0	<0.5
		p–Dichlorobenzene	5.0	<0.5
		Ethylbenzene	5.0	<0.5
		Hexachlorobutadiene	5.0	<0.5
		Isopropylbenzene	5.0	<0.5
		p–isopropyltoluene (cymene)	5.0	<0.5
		n–Propylbenzene	5.0	<0.5
		Styrene	5.0	<0.5
		Toluene	5.0	<0.5
		1,2,3–Trichlorobenzene	5.0	<0.5
		1,2,4–Trichlorobenzene	5.0	<0.5
		1,2,4–Trimethylbenzene	5.0	<0.5
		1,3,5–Trimethylbenzene	5.0	<0.5
		m–Xylene	5.0	<0.5
		o–Xylene	5.0	<0.5
		p–Xylene	5.0	<0.5
VOC.3	Drinking Water Microextractables (µg/L)	1,2–Dibromo–3–chloropropane (DBCP)	5.0	<0.02
		1,2–Dibromoethane (EDB)	5.0	<0.02
THM.1	Trihalomethanes (µg/L)	Maximum Total Trihalomethane Potential (MTP)	100.0	
MIC.1	Microbiological	Total Coliform	None Detected	
MIC.2	Microbiological	Escherichia Coliform [7]	None Detected	

mg/L = milligrams per liter (parts per million)
µg/L = micrograms per liter (parts per billion)

[1] In supplies that fluoridate, the fluoride level must be maintained in the range of 0.8 to 1.2 mg/L.

[2] Combined concentration of iron and manganese should not exceed 0.5 mg/L.

[3] The NCDH recommends that the Langelier Saturation Index should be as close to zero as possible. NYSDOH considers water with a Langelier Saturation Index less than –2 as corrosive.

[4] The NYDOH recommends that the sodium level not exceed 20 mg/L for severely restricted sodium diets and 270 mg/L for moderately restricted sodium diets.

[5] NCDH guideline.

[6] Ethylene is also known as Ethene.

[7] The E. Coliform test is only required in a sample where the Total Coliform is positive.

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS FOR 1991
COMMUNITY PUBLIC WATER SYSTEMS
DISTRIBUTION MONITORING

WATER SYSTEM CODE:	PHY.1	IOC.1	IOC.2	P&H.1	VOC.1	THM.1	MIC.1
FREQUENCY:	SA	A	SA	A	A	A	M
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ALBERTSON W.D.	1	1	1	1	1	NR	15
BAYVILLE (V)	1	1	1	1	1	NR	10
BETHPAGE W.D.	2	1	2	1	1	NR	30
BOWLING GREEN W.D.	1	1	1	1	1	1	10
CARLE PLACE W.D.	1	1	1	1	1	NR	10
DeFOREST DRIVE ASSOC W.S.	1	1	1	1	1	1	2
EAST MEADOW W.D.	3	2	3	2	2	3	50
EAST WILLISTON (V)	1	1	1	1	1	NR	3
FARMINGDALE (V)	1	1	1	1	1	NR	9
FRANKLIN SQUARE W.D.	2	1	2	1	1	NR	20
FREEPORT (V)	3	2	3	2	2	NR	40
GARDEN CITY (V)	2	1	2	1	1	NR	25
GARDEN CITY PARK W.D.	2	1	2	1	1	NR	20
GARDEN CITY SOUTH W.D.	1	1	1	1	1	1	2
GLEN COVE, CITY of	2	1	2	1	1	NR	30
GLENWOOD W.D.	1	1	1	1	1	NR	2
GREAT NECK NORTH, W.A. of	2	1	2	1	1	4	30
HEMPSTEAD (V)	3	2	3	2	2	3	40
HICKSVILLE W.D	3	2	3	2	2	4	50
JAMAICA W.S. CO	6	3	6	3	3	6	100
JERICHO W.D.	4	2	4	2	2	NR	60
LEVITTOWN W.D.	3	2	3	2	2	5	50
LIDO-PT LOOKOUT W.D.	1	1	1	1	1	1	5
LONG ISLAND WATER CORP	8	4	8	4	4	8	150
LOCUST VALLEY W.D.	1	1	1	1	1	NR	8
LONG BEACH, CITY of	2	1	2	1	1	1	40
MANHASSET-LAKEVILLE W.D.	3	2	3	2	2	4	50
MASSAPEQUA W.D.	3	2	3	2	2	3	50
MILL NECK ESTATES W.S.	1	1	1	1	1	1	2
MINEOLA (V)	2	1	2	1	1	NR	20
N/E FARMINGDALE W.D.	Sampling included in (V) Farmingdale						
NO SHORE UNIV HOSP @ G.C.	1	1	1	1	1	1	2

Frequency of testing: A – Annual SA – Semi-Annual M – Monthly
NR – Not Required

Numbers represent samples to be taken at the indicated frequency.

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS FOR 1991
COMMUNITY PUBLIC WATER SYSTEMS
DISTRIBUTION MONITORING

WATER SYSTEM CODE:	PHY.1	IOC.1	IOC.2	P&H.1	VOC.1	THM.1	MIC.1
FREQUENCY:	SA	A	SA	A	A	A	M
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
N.Y. WATER SERVICE CORP	7	4	7	4	4	7	120
OLD WESTBURY (V)	1	1	1	1	1	NR	3
OYSTER BAY W.D.	1	1	1	1	1	2	10
PLAINVIEW W.D.	2	1	2	1	1	4	40
PLANDOME (V)	1	1	1	1	1	NR	2
PLANTING FIELDS ARBOR W.S.	1	1	1	1	1	NR	2
PORT WASHINGTON W.D.	3	2	3	2	2	4	40
ROCKVILLE CENTRE (V)	2	1	2	1	1	NR	30
ROOSEVELT FIELD W.D.	1	1	1	1	1	2	2
ROSLYN W.D.	2	1	2	1	1	NR	30
SANDS POINT (V)	1	1	1	1	1	NR	3
SEA CLIFF WATER CO	1	1	1	1	1	2	20
SOUTH FARMINGDALE W.D.	3	2	3	2	2	4	50
SPLIT ROCK W.S.	1	1	1	1	1	NR	2
SWAN COVE W.S.	1	1	1	1	1	1	2
UNIONDALE W.D.	2	1	2	1	1	2	25
WEST HEMPSTEAD W.D.	2	1	2	1	1	2	30
WESTBURY W.D.	2	1	2	1	1	NR	20
WILLISTON PARK (V)	1	1	1	1	1	NR	9

Frequency of testing: A – Annual SA – Semi-Annual M – Monthly
NR – Not Required

Numbers represent samples to be taken at the indicated frequency.

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS FOR 1991
COMMUNITY PUBLIC WATER SYSTEMS
SOURCE MONITORING

WATER SYSTEM CODE:	PHY.1	IOC.1	IOC.2	P&H.1	P&H.2	VOC.1	VOC.2	VOC.3	MIC.1
ALBERTSON W.D.	A	A	A	A	A	Q	Q	NR	Q
BAYVILLE (V)	A	A	A	A	A	Q	Q	NR	Q
BETHPAGE W.D.	A	A	A	A	A	Q	Q	NR	Q
BOWLING GREEN W.D.	A	A	A	A	A	Q	Q	NR	Q
CARLE PLACE W.D.	A	A	A	A	A	Q	Q	NR	Q
DeFOREST DRIVE ASSOC W.S.	A	A	A	A	A	A	A	A	Q
EAST MEADOW W.D.	A	A	A	A	A	Q	Q	NR	Q
EAST WILLISTON (V)	NR	NR	NR	NR	NR	NR	NR	NR	NR
FARMINGDALE (V)	A	A	A	A	A	Q	Q	NR	Q
FRANKLIN SQUARE W.D.	A	A	A	A	A	Q	Q	NR	Q
FREEPORT (V)	A	A	A	A	A	Q	Q	NR	Q
GARDEN CITY (V)	A	A	A	A	A	Q	Q	NR	Q
GARDEN CITY PARK W.D.	A	A	A	A	A	Q	Q	NR	Q
GARDEN CITY SOUTH W.D.	NR	NR	NR	NR	NR	NR	NR	NR	NR
GLEN COVE, CITY of	A	A	A	A	A	Q	Q	NR	Q
GLENWOOD W.D.	NR	NR	NR	NR	NR	NR	NR	NR	NR
GREAT NECK NORTH, W.A. of	A	A	A	A	A	Q	Q	NR	Q
HEMPSTEAD (V)	A	A	A	A	A	Q	Q	NR	Q
HICKSVILLE W.D.	A	A	A	A	A	Q	Q	NR	Q
JAMAICA W.S. CO	A	A	A	A	A	Q	Q	NR	Q
JERICHO W.D.	A	A	A	A	A	Q	Q	NR	Q
LEVITTOWN W.D.	A	A	A	A	A	Q	Q	NR	Q
LIDO-PT LOOKOUT W.D.	A	A	A	A	A	Q	Q	NR	Q
LONG ISLAND WATER CORP	A	A	A	A	A	Q	Q	NR	Q
LOCUST VALLEY W.D.	A	A	A	A	A	Q	Q	NR	Q
LONG BEACH, CITY of	A	A	A	A	A	Q	Q	NR	Q
MANHASSET-LAKEVILLE W.D.	A	A	A	A	A	Q	Q	NR	Q
MASSAPEQUA W.D.	A	A	A	A	A	Q	Q	NR	Q
MILL NECK ESTATES W.S.	A	A	A	A	A	A	A	A	Q
MINEOLA (V)	A	A	A	A	A	Q	Q	NR	Q
N/E FARMINGDALE W.D.	NR	NR	NR	NR	NR	NR	NR	NR	NR
NO SHORE UNIV HOSP @ G.C.	A	A	A	A	A	Q	Q	A	Q

Frequency of testing: A – Annual Q – Quarterly NR – Not Required

NASSAU COUNTY DEPARTMENT OF HEALTH

WATER QUALITY MONITORING REQUIREMENTS FOR 1991
COMMUNITY PUBLIC WATER SYSTEMS
SOURCE MONITORING

WATER SYSTEM CODE:	PHY.1	IOC.1	IOC.2	P&H.1	P&H.2	VOC.1	VOC.2	VOC.3	MIC.1
N.Y. WATER SERVICE CORP	A	A	A	A	A	Q	Q	NR	Q
OLD WESTBURY (V)	A	A	A	A	A	Q	Q	NR	Q
OYSTER BAY W.D.	A	A	A	A	A	Q	Q	NR	Q
PLAINVIEW W.D.	A	A	A	A	A	Q	Q	NR	Q
PLANDOME (V)	A	A	A	A	A	Q	Q	NR	Q
PLANTING FIELDS ARBOR W.S.	NR	NR	NR	NR	NR	NR	NR	NR	NR
PORT WASHINGTON W.D.	A	A	A	A	A	Q	Q	NR	Q
ROCKVILLE CENTRE (V)	A	A	A	A	A	Q	Q	NR	Q
ROOSEVELT FIELD W.D.	A	A	A	A	A	Q	Q	NR	Q
ROSLYN W.D.	A	A	A	A	A	Q	Q	NR	Q
SANDS POINT (V)	A	A	A	A	A	Q	Q	NR	Q
SEA CLIFF WATER CO	A	A	A	A	A	Q	Q	NR	Q
SOUTH FARMINGDALE W.D.	A	A	A	A	A	Q	Q	NR	Q
SPLIT ROCK W.S.	A	A	A	A	A	A	A	A	Q
SWAN COVE W.S.	A	A	A	A	A	A	A	A	Q
UNIONDALE W.D.	A	A	A	A	A	Q	Q	NR	Q
WEST HEMPSTEAD W.D.	A	A	A	A	A	Q	Q	NR	Q
WESTBURY W.D.	A	A	A	A	A	Q	Q	NR	Q
WILLISTON PARK (V)	A	A	A	A	A	Q	Q	NR	Q

Frequency of testing: A – Annual Q – Quarterly NR – Not Required

NASSAU COUNTY DEPARTMENT OF HEALTH

INORGANIC CHEMICAL QUALITY – NITRATE as NITROGEN

PUBLIC WATER SUPPLY WELLS – RAW WATER

Annual Testing Results During 1991, 1990 and 1989

YEAR	AQUIFER	WELLS TESTED	<1 mg/L WELLS DETECTED	<1 mg/L %	1 to 10 mg/L WELLS DETECTED	1 to 10 mg/L %	>10 mg/L WELLS DETECTED	>10 mg/L %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1991	GLACIAL	24	4	17%	20	83%	0	0%
	MAGOTHY	253	103	41%	140	55%	10	4%
	LLOYD	27	21	78%	6	22%	0	0%
	Total	304	128	42%	166	55%	10	3%
1990	GLACIAL	25	3	12%	21	84%	1	4%
	MAGOTHY	263	115	44%	138	52%	10	4%
	LLOYD	35	27	77%	8	23%	0	0%
	Total	323	145	45%	167	52%	11	3%
1989	GLACIAL	30	3	10%	27	90%	0	0%
	MAGOTHY	298	140	47%	151	51%	7	2%
	LLOYD	35	26	74%	9	26%	0	0%
	Total	363	169	47%	187	52%	7	2%

Based on data from NCDH and certified private laboratories and the last sample at each well during the given period.

Wells exceeding the drinking water standard are either blended, treated or not used.

NASSAU COUNTY DEPARTMENT OF HEALTH

INORGANIC CHEMICAL QUALITY – HEAVY METALS AND CYANIDE

PUBLIC WATER SUPPLY WELLS – RAW WATER

Annual Testing Results During 1991, 1990 and 1989

COMPOUNDS (1)	DRINKING WATER STANDARD mg/L (a) (2)	JANUARY 1 to DECEMBER 31, 1991				JANUARY 1 to DECEMBER 31, 1990				JANUARY 1 to DECEMBER 31, 1989			
		WELLS TESTED (3)	WELLS DETECTED (4)	EXCEED STD (5)	MAX VALUE mg/L (6)	WELLS TESTED (7)	WELLS DETECTED (8)	EXCEED STD (9)	MAX VALUE mg/L (10)	WELLS TESTED (11)	WELLS DETECTED (12)	EXCEED STD (13)	MAX VALUE mg/L (14)
Arsenic	0.05	374	10	0	0.003	363	3	0	0.02	354	1	0	0.01
Barium	1.0	373	15	0	0.3	363	3	0	0.20	354	0	0	–
Cadmium	0.010	373	6	0	0.005	363	2	0	0.001	354	0	0	–
Chromium	0.05	373	2	0	0.04	363	1	0	0.01	354	1	0	0.02
Copper	1.0	372	125	1	1.06	370	139	(b) 1	2.9	353	132	0	0.55
Cyanide	None	47	0	0	–	45	0	0	–	46	0	0	–
Fluoride	2.0	355	15	0	0.18	340	8	0	0.22	350	6	0	0.13
Lead	0.05	373	32	0	0.034	363	18	0	0.037	354	12	0	0.03
Mercury	0.002	347	0	0	–	357	3	0	0.001	351	2	0	0.0007
Selenium	0.01	373	0	0	–	363	4	0	0.004	354	1	0	0.002
Silver	0.05	373	3	0	0.005	363	0	0	–	352	0	0	–
Zinc	5.0	344	140	0	0.60	329	99	0	0.59	328	81	0	0.50

Based on the last result for each well tested during the period. Data from NCDH and certified private laboratories.

(a) Drinking Water Standard from Part 5, NYCRR, Public Water Supplies.
(b) Well tested but not used.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY AQUIFER

PUBLIC WATER SUPPLY WELLS – RAW WATER

Annual Testing Results for 1991, 1990 and 1989

YEAR	AQUIFER	WELLS TESTED	LEVEL DETECTED (µg/l) NONE DETECTED		DETECTED <5		DETECTED 5 to 50		DETECTED >50	
			WELLS	%	WELLS	%	WELLS	%	WELLS	%
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1991	GLACIAL	29	16	55%	8	28%	5	17%	0	0%
	MAGOTHY	298	212	71%	47	16%	31	10%	8	3%
	LLOYD	38	35	92%	2	5%	1	3%	0	0%
	Total	365	263	72%	57	16%	37	10%	8	2%
1990	GLACIAL	29	16	55%	11	38%	2	7%	0	0%
	MAGOTHY	300	211	70%	54	18%	27	9%	8	3%
	LLOYD	38	34	89%	3	8%	1	3%	0	0%
	Total	367	261	71%	68	19%	30	8%	8	2%
1989	GLACIAL	32	17	53%	13	41%	2	6%	0	0%
	MAGOTHY	301	208	69%	51	17%	30	10%	12	4%
	LLOYD	35	26	74%	7	20%	2	6%	0	0%
	Total	368	251	68%	71	19%	34	9%	12	3%

Based on the maximum level detected for any individual organic chemical in the last sample at each well tested between January 1 and December 31 each year. Data from NCDH and certified private laboratories.

NASSAU COUNTY DEPARTMENT OF HEALTH

VOLATILE ORGANIC CHEMICALS MOST FREQUENTLY DETECTED IN PUBLIC WATER SUPPLY WELLS RAW WATER

Data Between January 1, 1991 and December 31, 1991

ALL WELLS TESTED (365)
Tetrachloroethylene (16%)
Trichloroethylene (15%)
1,1,1-Trichloroethane (10%)
1,1-Dichloroethane (7%)
1,1-Dichloroethylene (5%)

GLACIAL WELLS TESTED (29)
Trichloroethylene (28%)
Tetrachloroethylene (24%)
cis 1,2-Dichloroethylene (14%)
1,1-Dichloroethane (10%)
1,1-Dichloroethylene (10%)

MAGOTHY WELLS TESTED (298)
Tetrachloroethylene (17%)
Trichloroethylene (15%)
1,1,1-Trichloroethane (12%)
1,1-Dichloroethane (7%)
1,1-Dichloroethylene (5%)

LLOYD WELLS TESTED (38)
Tetrachloroethylene (5%)
cis 1,2-Dichloroethylene (3%)
Trichloroethylene (3%)
Chloroform (3%)
Carbon Tetrachloride (3%)

Based on the last sample at each well tested during the period.
Data from NCDH and certified private laboratory testing.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
GLACIAL AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Benzene	29	1	3%	15.0	29	0	0%	-	32	1	3%	4.0
Bromobenzene	29	0	0%	-	29	0	0%	-	25	0	0%	-
Bromochloromethane	25	0	0%	-	23	0	0%	-	24	0	0%	-
Bromodichloromethane	29	0	0%	-	25	1	4%	0.7	26	4	15%	1.6
Bromoform	29	0	0%	-	25	1	4%	1.4	26	4	15%	1.6
Bromomethane	23	0	0%	-	23	0	0%	-	25	0	0%	-
n-Butylbenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-
sec-Butylbenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-
tert-Butylbenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-
Carbon Tetrachloride	29	0	0%	-	25	0	0%	-	32	0	0%	-
Chlorobenzene	29	0	0%	-	29	0	0%	-	32	0	0%	-
Chlorodibromomethane	29	0	0%	-	25	0	0%	-	26	5	19%	1.9
Chloroethane	23	0	0%	-	23	0	0%	-	25	0	0%	-
Chloroform	29	2	7%	1.0	25	6	24%	1.0	26	2	8%	2.9
Chloromethane	23	0	0%	-	23	0	0%	-	25	0	0%	-
o-Chlorotoluene	29	0	0%	-	25	0	0%	-	24	0	0%	-
p-Chlorotoluene	29	0	0%	-	25	0	0%	-	24	0	0%	-
Dibromomethane	24	0	0%	-	23	0	0%	-	24	0	0%	-
1,2-dichlorobenzene	29	0	0%	-	25	0	0%	-	25	1	4%	2.0
1,3-dichlorobenzene	29	0	0%	-	25	0	0%	-	25	1	4%	0.8
1,4-dichlorobenzene	29	0	0%	-	25	0	0%	-	25	1	4%	0.8
Dichlorodifluoromethane	23	0	0%	-	23	0	0%	-	25	1	4%	2.0
1,1-dichloroethane	29	3	10%	2.3	25	5	20%	2.2	32	5	16%	5.7

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
GLACIAL AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,2-dichloroethane	29	0	0%	-	25	0	0%	-	32	0	0%	-
1,1-dichloroethylene	29	3	10%	0.8	29	2	7%	2.0	32	1	3%	0.5
cis-1,2-dichloroethylene	29	4	14%	8.3	29	0	0%	-	32	0	0%	-
trans-1,2-dichloroethylene	29	0	0%	-	29	0	0%	-	32	0	0%	-
1,2-dichloropropane	29	0	0%	-	25	0	0%	-	32	0	0%	-
1,3-dichloropropane	24	0	0%	-	23	0	0%	-	25	0	0%	-
2,2-dichloropropane	24	0	0%	-	22	0	0%	-	24	0	0%	-
1,1-dichloropropene	24	0	0%	-	23	0	0%	-	24	0	0%	-
cis-1,3-dichloropropene	29	0	0%	-	29	0	0%	-	16	0	0%	-
trans-1,3-dichloropropene	29	0	0%	-	28	0	0%	-	17	0	0%	-
Ethyl Benzene	29	0	0%	-	28	0	0%	-	28	0	0%	-
Hexachlorobutadiene	29	0	0%	-	24	0	0%	-	24	0	0%	-
Isopropylbenzene	29	0	0%	-	24	0	0%	-	24	0	0%	-
p-isopropyltoluene	29	0	0%	-	24	0	0%	-	24	0	0%	-
Methylene chloride	29	0	0%	-	24	0	0%	-	25	0	0%	-
N-propylbenzene	29	0	0%	-	24	0	0%	-	24	0	0%	-
Styrene	29	0	0%	-	24	0	0%	-	24	0	0%	-
1,1,1,2-tetrachloroethane	24	0	0%	-	23	0	0%	-	25	0	0%	-
1,1,2,2-tetrachloroethane	29	0	0%	-	25	0	0%	-	32	0	0%	-
Tetrachloroethylene	29	7	24%	27.0	29	5	17%	8.0	32	4	13%	1.8
Toluene	29	0	0%	-	19	0	0%	-	32	0	0%	-
1,2,3-Trichlorobenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-
1,2,4-Trichlorobenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
GLACIAL AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,1,1-Trichloroethane	29	3	10%	2.7	25	7	28%	7.0	32	6	19%	7.0
1,1,2-Trichloroethane	29	0	0%	-	25	0	0%	-	32	0	0%	-
Trichloroethylene	29	8	28%	11.0	29	1	3%	2.3	32	3	9%	1.0
Trichlorofluoromethane	29	0	0%	-	25	0	0%	-	32	1	3%	2.0
1,2,3-Trichloropropane	24	0	0%	-	23	0	0%	-	24	0	0%	-
1,2,4-Trimethylbenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-
1,3,5-Trimethylbenzene	29	0	0%	-	25	0	0%	-	24	0	0%	-
Vinyl Chloride	29	0	0%	-	29	0	0%	-	25	0	0%	-
m-Xylene	29	0	0%	-	25	0	0%	-	25	0	0%	-
o-Xylene	29	0	0%	-	25	0	0%	-	25	0	0%	-
p-Xylene	29	0	0%	-	25	0	0%	-	25	0	0%	-
Ethyldibromide (EDB)	11	0	0%	-	15	0	0%	-	16	0	0%	-
1,2-Dibromo-3-chloro-propane (DBCP)	12	0	0%	-	15	0	0%	-	22	0	0%	-

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.
Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
MAGOTHY AQUIFER – RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Benzene	298	0	0%	-	300	0	0%	-	300	1	<1%	0.5
Bromobenzene	298	0	0%	-	298	0	0%	-	292	0	0%	-
Bromochloromethane	294	0	0%	-	285	0	0%	-	292	0	0%	-
Bromodichloromethane	298	1	<1%	1.9	298	0	0%	-	253	7	3%	3.3
Bromoform	298	7	2%	4.3	298	8	3%	6.3	253	10	4%	3.0
Bromomethane	293	0	0%	-	285	0	0%	-	292	0	0%	-
n-Butylbenzene	298	0	0%	-	288	0	0%	-	293	0	0%	-
sec-Butylbenzene	298	0	0%	-	288	0	0%	-	293	0	0%	-
tert-Butylbenzene	298	0	0%	-	287	0	0%	-	292	0	0%	-
Carbon Tetrachloride	298	5	2%	2.8	299	2	1%	3.7	300	4	1%	66.0
Chlorobenzene	298	0	0%	-	299	0	0%	-	299	0	0%	-
Chlorodibromomethane	298	4	1%	4.1	298	5	2%	2.2	257	9	4%	2.7
Chloroethane	293	0	0%	-	284	0	0%	-	291	0	0%	-
Chloroform	298	8	3%	2.9	298	9	3%	2.6	258	12	5%	19.0
Chloromethane	293	0	0%	-	284	0	0%	-	291	0	0%	-
o-Chlorotoluene	298	0	0%	-	287	0	0%	-	291	0	0%	-
p-Chlorotoluene	298	0	0%	-	285	0	0%	-	291	0	0%	-
Dibromomethane	294	0	0%	-	282	0	0%	-	291	0	0%	-
1,2-dichlorobenzene	298	0	0%	-	285	0	0%	-	291	0	0%	-
1,3-dichlorobenzene	298	0	0%	-	285	0	0%	-	291	0	0%	-
1,4-dichlorobenzene	298	0	0%	-	286	0	0%	-	292	0	0%	-
Dichlorodifluoromethane	293	5	2%	15.0	282	2	1%	0.7	292	2	1%	5.0
1,1-dichloroethane	298	22	7%	7.0	296	24	8%	6.3	299	20	7%	10.0

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.
Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
MAGOTHY AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,2-dichloroethane	298	1	<1%	0.6	294	0	0%	-	299	1	<1%	0.7
1,1-dichloroethylene	298	16	5%	22.0	300	16	5%	67.0	301	13	4%	28.0
cis-1,2-dichloroethylene	297	12	4%	18.0	297	9	3%	19.0	300	8	3%	150.0
trans-1,2-dichloroethylene	298	0	0%	-	299	0	0%	-	300	0	0%	-
1,2-dichloropropane	298	2	1%	2.0	297	4	1%	3.0	300	2	1%	5.0
1,3-dichloropropane	294	0	0%	-	284	0	0%	-	293	0	0%	-
2,2-dichloropropane	293	0	0%	-	281	1	<1%	0.8	292	0	0%	-
1,1-dichloropropene	294	0	0%	-	284	0	0%	-	293	0	0%	-
cis-1,3-dichloropropene	298	0	0%	-	298	0	0%	-	224	0	0%	-
trans-1,3-dichloropropene	298	0	0%	-	297	0	0%	-	250	0	0%	-
Ethyl Benzene	298	0	0%	-	299	0	0%	-	300	0	0%	-
Hexachlorobutadiene	298	0	0%	-	287	0	0%	-	292	0	0%	-
Isopropylbenzene	298	0	0%	-	287	0	0%	-	294	0	0%	-
p-isopropyltoluene	298	0	0%	-	287	0	0%	-	294	0	0%	-
Methylene chloride	298	0	0%	-	298	3	1%	2.0	282	1	<1%	1.0
N-propylbenzene	298	0	0%	-	287	0	0%	-	294	0	0%	-
Styrene	298	0	0%	-	287	0	0%	-	294	0	0%	-
1,1,1,2-tetrachloroethane	294	0	0%	-	283	0	0%	-	293	0	0%	-
1,1,2,2-tetrachloroethane	298	0	0%	-	297	0	0%	-	298	0	0%	-
Tetrachloroethylene	298	51	17%	440.0	299	48	16%	500.0	301	61	20%	430.0
Toluene	298	0	0%	-	299	1	<1%	1.7	301	0	0%	-
1,2,3-Trichlorobenzene	298	0	0%	-	286	0	0%	-	293	0	0%	-
1,2,4-Trichlorobenzene	298	0	0%	-	286	0	0%	-	293	0	0%	-

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.
Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
MAGOTHY AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,1,1-Trichloroethane	298	35	12%	30.0	298	34	11%	99.0	301	31	10%	74.0
1,1,2-Trichloroethane	298	0	0%	-	297	0	0%	-	298	2	1%	0.8
Trichloroethylene	298	46	15%	440.0	300	37	12%	140.0	301	41	14%	220.0
Trichlorofluoromethane	298	3	1%	51.0	298	6	2%	67.0	300	11	4%	130.0
1,2,3-Trichloropropane	294	1	<1%	1.0	285	1	<1%	0.5	293	2	1%	0.5
1,2,4-Trimethylbenzene	298	0	0%	-	288	0	0%	-	293	0	0%	-
1,3,5-Trimethylbenzene	298	0	0%	-	288	0	0%	-	293	0	0%	-
Vinyl Chloride	298	1	<1%	1.1	300	0	0%	-	294	0	0%	-
m-Xylene	297	0	0%	-	287	1	<1%	1.6	293	1	<1%	0.6
o-Xylene	298	1	<1%	4.4	287	0	0%	-	293	0	0%	-
p-Xylene	297	0	0%	-	287	0	0%	-	292	0	0%	-
Ethyldibromide (EDB)	184	0	0%	-	166	0	0%	-	191	0	0%	-
1,2-Dibromo-3-chloro-propane (DBCP)	202	0	0%	-	200	0	0%	-	267	1	<1%	0.04

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
LLOYD AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Benzene	38	0	0%	-	38	0	0%	-	35	0	0%	-
Bromobenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Bromochloromethane	38	0	0%	-	38	0	0%	-	34	0	0%	-
Bromodichloromethane	38	0	0%	-	38	0	0%	-	32	0	0%	-
Bromoform	38	0	0%	-	38	0	0%	-	31	1	3%	1.3
Bromomethane	38	0	0%	-	38	0	0%	-	35	0	0%	-
n-Butylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
sec-Butylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
tert-Butylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Carbon Tetrachloride	38	1	3%	0.7	38	0	0%	-	35	1	3%	0.7
Chlorobenzene	38	0	0%	-	38	0	0%	-	35	0	0%	-
Chlorodibromomethane	38	0	0%	-	38	0	0%	-	31	1	3%	1.0
Chloroethane	38	0	0%	-	38	0	0%	-	35	0	0%	-
Chloroform	38	1	3%	1.1	38	2	5%	1.0	31	2	6%	1.1
Chloromethane	38	0	0%	-	38	0	0%	-	35	0	0%	-
o-Chlorotoluene	38	0	0%	-	38	0	0%	-	34	0	0%	-
p-Chlorotoluene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Dibromomethane	38	0	0%	-	38	0	0%	-	34	0	0%	-
1,2-dichlorobenzene	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,3-dichlorobenzene	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,4-dichlorobenzene	38	0	0%	-	38	0	0%	-	35	0	0%	-
Dichlorodifluoromethane	38	0	0%	-	38	0	0%	-	35	1	3%	4.0
1,1-dichloroethane	38	0	0%	-	38	0	0%	-	35	0	0%	-

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.
Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
LLOYD AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,2-dichloroethane	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,1-dichloroethylene	38	0	0%	-	38	0	0%	-	35	0	0%	-
cis-1,2-dichloroethylene	38	1	3%	35.0	28	1	4%	28.0	25	1	4%	45.0
trans-1,2-dichloroethylene	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,2-dichloropropane	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,3-dichloropropane	38	0	0%	-	37	0	0%	-	34	0	0%	-
2,2-dichloropropane	38	0	0%	-	37	0	0%	-	34	0	0%	-
1,1-dichloropropene	38	0	0%	-	37	0	0%	-	34	0	0%	-
cis-1,3-dichloropropene	38	0	0%	-	38	0	0%	-	27	0	0%	-
trans-1,3-dichloropropene	38	0	0%	-	38	0	0%	-	28	0	0%	-
Ethyl Benzene	38	0	0%	-	38	0	0%	-	35	0	0%	-
Hexachlorobutadiene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Isopropylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
p-isopropyltoluene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Methylene chloride	38	0	0%	-	38	0	0%	-	29	1	3%	0.5
N-propylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Styrene	38	0	0%	-	38	0	0%	-	34	0	0%	-
1,1,1,2-tetrachloroethane	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,1,2,2-tetrachloroethane	38	0	0%	-	38	0	0%	-	34	0	0%	-
Tetrachloroethylene	38	2	5%	7.5	38	2	5%	8.0	35	4	11%	9.0
Toluene	38	0	0%	-	38	0	0%	-	35	0	0%	-
1,2,3-Trichlorobenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
1,2,4-Trichlorobenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-

All values are in µg/L.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
LLOYD AQUIFER - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,1,1-Trichloroethane	38	0	0%	-	38	1	3%	1.2	35	0	0%	-
1,1,2-Trichloroethane	38	0	0%	-	38	0	0%	-	35	0	0%	-
Trichloroethylene	38	1	3%	20.0	38	0	0%	-	35	1	3%	32.0
Trichlorofluoromethane	38	0	0%	-	38	0	0%	-	35	4	11%	7.0
1,2,3-Trichloropropane	38	0	0%	-	38	0	0%	-	34	0	0%	-
1,2,4-Trimethylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
1,3,5-Trimethylbenzene	38	0	0%	-	38	0	0%	-	34	0	0%	-
Vinyl Chloride	38	0	0%	-	38	0	0%	-	35	0	0%	-
m-Xylene	38	0	0%	-	38	0	0%	-	35	0	0%	-
o-Xylene	38	0	0%	-	38	0	0%	-	35	0	0%	-
p-Xylene	38	0	0%	-	38	0	0%	-	35	0	0%	-
Ethyldibromide (EDB)	38	0	0%	-	16	0	0%	-	23	0	0%	-
1,2-Dibromo-3-chloro-propane (DBCP)	38	0	0%	-	19	0	0%	-	26	0	0%	-

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.
Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
TOTAL ALL AQUIFERS - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Benzene	365	1	<1%	15.0	367	0	0%	0.0	367	2	1%	4.0
Bromobenzene	365	0	0%	0.0	365	0	0%	0.0	351	0	0%	0.0
Bromochloromethane	357	0	0%	0.0	348	0	0%	0.0	350	0	0%	0.0
Bromodichloromethane	365	1	<1%	1.9	361	1	<1%	0.7	311	11	4%	3.3
Bromoform	365	7	2%	4.3	361	9	2%	6.3	310	15	5%	3.0
Bromomethane	354	0	0%	0.0	346	0	0%	0.0	352	0	0%	0.0
n-Butylbenzene	365	0	0%	0.0	351	0	0%	0.0	351	0	0%	0.0
sec-Butylbenzene	365	0	0%	0.0	351	0	0%	0.0	351	0	0%	0.0
tert-Butylbenzene	365	0	0%	0.0	350	0	0%	0.0	350	0	0%	0.0
Carbon Tetrachloride	365	6	2%	2.8	362	2	1%	3.7	367	5	1%	66.0
Chlorobenzene	365	0	0%	0.0	368	0	0%	0.0	368	0	0%	0.0
Chlorodibromomethane	365	4	1%	4.1	361	5	1%	2.2	314	15	5%	2.7
Chloroethane	354	0	0%	0.0	345	0	0%	0.0	351	0	0%	0.0
Chloroform	365	11	3%	2.9	361	17	5%	2.6	315	16	5%	19.0
Chloromethane	354	0	0%	0.0	345	0	0%	0.0	351	0	0%	0.0
o-Chlorotoluene	365	0	0%	0.0	350	0	0%	0.0	349	0	0%	0.0
p-Chlorotoluene	365	0	0%	0.0	348	0	0%	0.0	349	0	0%	0.0
Dibromomethane	356	0	0%	0.0	343	0	0%	0.0	349	0	0%	0.0
1,2-dichlorobenzene	365	0	0%	0.0	348	0	0%	0.0	351	1	<1%	2.0
1,3-dichlorobenzene	365	0	0%	0.0	348	0	0%	0.0	351	1	<1%	0.8
1,4-dichlorobenzene	365	0	0%	0.0	349	0	0%	0.0	352	1	<1%	0.8
Dichlorodifluoromethane	354	5	1%	15.0	343	2	1%	0.7	352	4	1%	5.0
1,1-dichloroethane	365	25	7%	7.0	359	29	8%	6.3	366	25	7%	10.0

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.
Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
TOTAL ALL AQUIFERS - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,2-dichloroethane	365	1	<1%	0.6	357	0	0%	0.0	366	1	<1%	0.7
1,1-dichloroethylene	365	19	5%	22.0	367	18	5%	67.0	368	14	4%	28.0
cis-1,2-dichloroethylene	364	17	5%	35.0	354	10	3%	28.0	357	9	3%	150.0
trans-1,2-dichloroethylene	365	0	0%	0.0	366	0	0%	0.0	367	0	0%	0.0
1,2-dichloropropane	365	2	1%	2.0	360	4	1%	3.0	367	2	1%	5.0
1,3-dichloropropane	356	0	0%	0.0	344	0	0%	0.0	352	0	0%	0.0
2,2-dichloropropane	355	0	0%	0.0	340	1	<1%	0.8	350	0	0%	0.0
1,1-dichloropropene	356	0	0%	0.0	344	0	0%	0.0	351	0	0%	0.0
cis-1,3-dichloropropene	365	0	0%	0.0	365	0	0%	0.0	267	0	0%	0.0
trans-1,3-dichloropropene	365	0	0%	0.0	363	0	0%	0.0	295	0	0%	0.0
Ethyl Benzene	365	0	0%	0.0	365	0	0%	0.0	363	0	0%	0.0
Hexachlorobutadiene	365	0	0%	0.0	349	0	0%	0.0	350	0	0%	0.0
Isopropylbenzene	365	0	0%	0.0	349	0	0%	0.0	352	0	0%	0.0
p-isopropyltoluene	365	0	0%	0.0	349	0	0%	0.0	352	0	0%	0.0
Methylene chloride	365	0	0%	0.0	360	3	1%	2.0	336	2	1%	1.0
N-propylbenzene	365	0	0%	0.0	349	0	0%	0.0	352	0	0%	0.0
Styrene	365	0	0%	0.0	349	0	0%	0.0	352	0	0%	0.0
1,1,1,2-tetrachloroethane	356	0	0%	0.0	344	0	0%	0.0	353	0	0%	0.0
1,1,2,2-tetrachloroethane	365	0	0%	0.0	360	0	0%	0.0	364	0	0%	0.0
Tetrachloroethylene	365	60	16%	440.0	366	55	15%	500.0	368	69	19%	430.0
Toluene	365	0	0%	0.0	356	1	<1%	1.7	368	0	0%	0.0
1,2,3-Trichlorobenzene	365	0	0%	0.0	349	0	0%	0.0	351	0	0%	0.0
1,2,4-Trichlorobenzene	365	0	0%	0.0	349	0	0%	0.0	351	0	0%	0.0

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

ORGANIC CHEMICAL LEVELS DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
TOTAL ALL AQUIFERS - RAW WATER
Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1,1,1-Trichloroethane	365	38	10%	30.0	361	42	12%	99.0	368	37	10%	74.0
1,1,2-Trichloroethane	365	0	0%	0.0	360	0	0%	0.0	365	2	1%	0.8
Trichloroethylene	365	55	15%	440.0	367	38	10%	140.0	368	45	12%	220.0
Trichlorofluoromethane	365	3	1%	51.0	361	6	2%	67.0	367	16	4%	130.0
1,2,3-Trichloropropane	356	1	<1%	1.0	346	1	<1%	0.5	351	2	1%	0.5
1,2,4-Trimethylbenzene	365	0	0%	0.0	351	0	0%	0.0	351	0	0%	0.0
1,3,5-Trimethylbenzene	365	0	0%	0.0	351	0	0%	0.0	351	0	0%	0.0
Vinyl Chloride	365	1	<1%	1.1	367	0	0%	0.0	354	0	0%	0.0
m-Xylene	364	0	0%	0.0	350	1	<1%	1.6	353	1	<1%	0.6
o-Xylene	365	1	<1%	4.4	350	0	0%	0.0	353	0	0%	0.0
p-Xylene	364	0	0%	0.0	350	0	0%	0.0	352	0	0%	0.0
Ethyldibromide (EDB)	233	0	0%	0.0	197	0	-	-	230	0	0%	0.0
1,2-Dibromo-3-chloro-propane (DBCP)	252	0	0%	0.0	234	0	-	-	315	1	<1%	0.0

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

Results reported as combinations of two or more constituents are not included if positive since the detected constituent or level could not be assumed.

NASSAU COUNTY DEPARTMENT OF HEALTH

PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
GLACIAL AQUIFER - RAW WATER

Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	DRINKING WATER STANDARD	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
		TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Pesticides													
Aldrin	50.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Chlordane	50.0	20	0	0%	-	19	0	0%	-	23	1 *	4%	0.30
DDT (o,p & p,p)	50.0	-	-	-	-	-	-	-	-	-	-	-	-
o,p-DDT	50.0	20	0	0%	-	19	0	0%	-	19	0	0%	-
p,p-DDT	50.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Dieldrin	50.0	20	0	0%	-	19	0	0%	-	23	1 *	4%	0.06
Endrin	0.2	20	0	0%	-	19	0	0%	-	23	0	0%	-
Lindane	4.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Methoxychlor	50.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Toxaphene	5.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Heptachlor Epoxide	50.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Heptachlor	50.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
Herbicides													
2,4D	50.0	20	0	0%	-	19	0	0%	-	23	0	0%	-
2,4,5TP (Silvex)	10.0	20	0	0%	-	19	0	0%	-	23	0	0%	-

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

* Chlordane and Dieldrin detected in the same well. Well not in use during 1989.

NASSAU COUNTY DEPARTMENT OF HEALTH

PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
MAGOTHY AQUIFER - RAW WATER

Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT (1)	DRINKING WATER STANDARD (2)	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
		TESTED (3)	DETECTED (4)	% DETECTED (5)	MAX LEVEL (6)	TESTED (7)	DETECTED (8)	% DETECTED (9)	MAX LEVEL (10)	TESTED (11)	DETECTED (12)	% DETECTED (13)	MAX LEVEL (14)
A. Pesticides													
Aldrin	50.0	275	0	0%	-	275	0	0%	-	272	0	0%	0
Chlordane	50.0	275	0	0%	-	275	0	0%	-	272	0	0%	0
DDT (o,p & p,p)	50.0	-	-	-	-	38	0	0%	-	64	0	0%	0
o,p-DDT	50.0	238	0	0%	-	222	0	0%	-	204	0	0%	0
p,p-DDT	50.0	243	0	0%	-	238	0	0%	-	215	0	0%	0
Dieldrin	50.0	275	0	0%	-	275	0	0%	-	272	0	0%	0
Endrin	0.2	275	0	0%	-	275	0	0%	-	273	0	0%	0
Lindane	4.0	275	0	0%	-	275	0	0%	-	271	0	0%	0
Methoxychlor	50.0	274	0	0%	-	276	0	0%	-	271	0	0%	0
Toxaphene	5.0	274	0	0%	-	276	0	0%	-	271	0	0%	0
Heptachlor Epoxide	50.0	274	0	0%	-	276	0	0%	-	270	0	0%	0
Heptachlor	50.0	274	0	0%	-	276	0	0%	-	270	1	<1%	0.5
B. Herbicides													
2,4D	50.0	273	0	0%	-	277	0	0%	-	271	0	0%	0
2,4,5TP (Silvex)	10.0	273	0	0%	-	277	0	0%	-	271	0	0%	0

All values are in $\mu g/l$.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

NASSAU COUNTY DEPARTMENT OF HEALTH

PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
LLOYD AQUIFER - RAW WATER

Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	DRINKING WATER STANDARD	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
		TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
A. Pesticides													
Aldrin	50.0	36	0	0%	-	37	0	-	-	26	0	0%	-
Chlordane	50.0	36	0	0%	-	37	0	-	-	26	0	0%	-
DDT (o,p & p,p)	50.0	-	-	-	-	9	0	-	-	2	0	0%	-
o,p-DDT	50.0	27	0	0%	-	27	0	-	-	23	0	0%	-
p,p-DDT	50.0	27	0	0%	-	28	0	-	-	23	0	0%	-
Dieldrin	50.0	36	0	0%	-	37	0	-	-	26	0	0%	-
Endrin	0.2	36	0	0%	-	37	0	-	-	26	0	0%	-
Lindane	4.0	36	0	0%	-	37	0	-	-	26	0	0%	-
Methoxychlor	50.0	36	0	0%	-	37	0	-	-	26	0	0%	-
Toxaphene	5.0	36	0	0%	-	37	0	-	-	26	0	0%	-
Heptachlor Epoxide	50.0	36	0	0%	-	37	0	-	-	26	0	0%	-
Heptachlor	50.0	36	0	0%	-	37	0	-	-	26	0	0%	-
B. Herbicides													
2,4D	50.0	36	0	0%	-	37	0	-	-	23	0	0%	-
2,4,5TP (Silvex)	10.0	36	0	0%	-	37	0	-	-	23	0	0%	-

All values are in µg/l.

Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

NASSAU COUNTY DEPARTMENT OF HEALTH

PESTICIDES AND HERBICIDES DETECTED BY CONSTITUENT
PUBLIC WATER SUPPLY WELLS
TOTAL ALL AQUIFERS - RAW WATER

Annual Testing Results During 1991, 1990 and 1989

CONSTITUENT	DRINKING WATER STANDARD	JANUARY 1, 1991 to DECEMBER 31, 1991				JANUARY 1, 1990 to DECEMBER 31, 1990				JANUARY 1, 1989 to DECEMBER 31, 1989			
		TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL	TESTED	DETECTED	% DETECTED	MAX LEVEL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
A. Pesticides													
Aldrin	50.0	331	0	0%	0.0	331	0	0%	0.0	321	0	0%	0.0
Chlordane	50.0	331	0	0%	0.0	331	0	0%	0.0	321	1	<1%	0.30
DDT (o,p & p,p)	50.0	-	-	-	-	47	0	0%	0.0	66	0	0%	0.0
o,p-DDT	50.0	285	0	0%	0.0	268	0	0%	0.0	246	0	0%	0.0
p,p-DDT	50.0	290	0	0%	0.0	283	0	0%	0.0	261	0	0%	0.0
Dieldrin	50.0	331	0	0%	0.0	331	0	0%	0.0	321	1	<1%	0.06
Endrin	0.2	331	0	0%	0.0	331	0	0%	0.0	322	0	0%	0.0
Lindane	4.0	331	0	0%	0.0	331	0	0%	0.0	320	0	0%	0.0
Methoxychlor	50.0	330	0	0%	0.0	332	0	0%	0.0	320	0	0%	0.0
Toxaphene	5.0	330	0	0%	0.0	332	0	0%	0.0	320	0	0%	0.0
Heptachlor Epoxide	50.0	330	0	0%	0.0	332	0	0%	0.0	319	0	0%	0.0
Heptachlor	50.0	330	0	0%	0.0	332	0	0%	0.0	319	1	<1%	0.5
B. Herbicides													
2,4D	50.0	329	0	0%	0.0	333	0	0%	0.0	317	0	0%	0.0
2,4,5TP (Silvex)	10.0	329	0	0%	0.0	333	0	0%	0.0	317	0	0%	0.0

All values are in µg/l.
Based on NCDH and certified private laboratory results for the last sample at each well tested during the period.

NASSAU COUNTY DEPARTMENT OF HEALTH

MAJOR CAUSES OF ABANDONMENT OR DEEPENING OF PUBLIC SUPPLY WELLS IN NASSAU COUNTY 1950 – 1991

CAUSE	WELLS ABANDONED	WELLS DEEPENED	WELLS TOTAL
(1)	(2)	(3)	(4)
A. Quality			
1. Nitrates	17 (a)	7	24 (a)
2. MBAS (Detergents)	10 (b)	0	10 (b)
3. Organic Chemicals	21 (c)	1	22 (c)
4. Iron	1	8	9
5. Taste and Odor	2	0	2
6. Chromates	2 (a)	0	2 (a)
7. Copper	1	0	1
8. Bacteria	1	0	1
9. Turbidity	0	1	1
Subtotal	55	17	72
B. Other			
1. Reduced Capacity	43	3	46
2. Collapse of Casing or Screen	11	1	12
3. Pulling Sand	5	4	9
4. Other Mechanical	1	0	1
Subtotal	60	8	68
Total	115	25	140

(a) Includes 1 well converted to non–public use.
(b) No current drinking water standard for MBAS.
(c) Includes 13 wells converted to non–public use.

NASSAU COUNTY DEPARTMENT OF HEALTH

ABANDONED PUBLIC SUPPLY WELLS IN NASSAU COUNTY

1950 – 1991

	NYSDEC N#	WATER SYSTEM	WELL No.	DATE DRILLED	DEPTH (FT)	DATE ABANDONED	REASON (c)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	3142	Bethpage	4	1949	163	1958	Pulled Sand
2	3147	"	5	1949	233	1959	Pulled Sand
3	4063	"	7	1952	233	1971	NO3
4	4146	"	8	1956	212	1971	NO3
5	23	Citizens	3A	1937	434	1962	Capacity
6	706	Farmingdale	1–2	1936	70	1967	NO3, Fe, Mn
7	131	Freeport	1	1929	523	1955	Capacity
8	361	Garden City	1	–	40	1956	Capacity
9	91	"	2	1911	82	1965	Capacity
10	92	"	5	1926	77	1959	Capacity
11	94	"	6	1931	382	1989	Casing, Organics
12	112	Glen Cove	1	1950	150	1968 (a)	Capacity
	802–818	"	2–18	1950	42–169	1968 (a)	Capacity
13	3466	"	20	1950	177	1989	Organics
14	8327	"	22	1965	168	1989	Organics
15	78	Hempstead	1	1927	376	1954	Capacity
16	148	Hicksville	2–1	1941	153	1967	Capacity
17	149	"	1–1	1941	127	1967	Capacity
18	150	"	1–2	1941	144	1953	Capacity
19	2072	"	1–3	1946	159	1967	Capacity
20	3488	"	3–1	1951	168	1980	NO3
21	3552	"	4–1	1951	169	1978	NO3
22	3553	"	5–1	1951	152	1980	Organics, NO3
23	10	Jamaica	15	1927	399	1968	Screen
24	11	"	15A	1927	408	1977	Screen
25	13	"	15C	1927	287	1985	Capacity
26	12	"	15B	1927	423	1985	Capacity
27	15	"	16	1928	102	1986	Organics
28	2115	"	25	1947	84	1990	Organics
29	2413	"	28A	1949	514	1990	Mechanical
30	4133	Jericho	8	1954	455	1980	Taste & Odor
31	4246	"	10	1954	458	1980	Organics
32	2402	Levittown	1	1952	208	1976	NO3
33	2403	"	2	1947	84	1986	NO3
34	2581	"	4	1948	80	1985	NO3, T & O
35	3193	"	5	1949	320	1960	Pulled Sand
36	3312	"	8	1950	307	1963	Pulled Sand
37	3313	"	7	1950	95	1986	NO3
38	3194	"	6	1949	256	1986	NO3
39	115	Locust Valley	1	1925	416	1970	Capacity

NASSAU COUNTY DEPARTMENT OF HEALTH

ABANDONED PUBLIC SUPPLY WELLS IN NASSAU COUNTY

1950 – 1991

	NYSDEC N#	WATER SYSTEM	WELL No.	DATE DRILLED	DEPTH (FT)	DATE ABANDONED	REASON (c)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
40	41	Long Beach	3	1937	1255	1968	Casing
41	42	"	4	1929	1184	1957	Casing
42	43	"	5	1929	1263	1965	Casing
43	44	"	6	1929	1265	1970	Casing
44	1927	"	8	1943	1230	1965	Casing
45	3448	"	7	1950	1230	1972	Casing
46	3327	LIWC	7-1	1950	451	1979	Capacity
47	3782	"	9-1	1952	408	1967	Casing
48	3781	"	9-2	1951	430	1985	Casing
49	24	Man-Lakeville	5	1932	428	1982	Capacity
50	4603	Massapequa	2	1954	184	1977	Capacity,Sand,Fe
51	98	Mineola	2	1927	367	1981	Capacity
52	580	NYWS	5J	1938	45	1967	MBAS, Mn
53	634	"	6J	1938	45	1967	MBAS, Mn
54	728	"	1M	1928	40	1964	MBAS, Mn
55	729	"	2M	1936	73	1966	MBAS, Mn
56	2577	"	7J	1949	45	1967	MBAS, Mn
57	2603	"	3M	1949	72	1964	MBAS, Mn
58	3186	"	8J	1950	42	1967	MBAS, Mn
59	3187	"	9J	1950	41	1967	MBAS, Mn
60	3437	"	10J	1950	45	1967	MBAS, Mn
61	3564	"	2D	1952	69	1972	NO3, MBAS, Mn
62	3780	"	1S	1952	142	1978	NO3, Mn
63	3886	"	4M	1953	69	1964	MBAS, Mn
64	5848	"	5M	1956	332	1971	Fe
65	8672	"	3J	1971	570	1979	Capacity
66	5259	"	2N	1955	317	1982	Capacity
67	3463	"	1J	1950	306	1983	Capacity
68	3680	"	2J	1951	332	1983	Capacity
69	3894	"	1C	1953	362	1983	Capacity
70	3427	"	1D	1950	169	1983	Capacity
71	4461	"	3D	1954	176	1983	Capacity
72	105	Old Westbury	2	1935	472	1963	Capacity
73	48	RVC	1	1927	520	1955	Capacity
74	49	"	2	1927	330	1954	Capacity
75	52	"	4	1931	534	1975	Casing
76	5486	Roosevelt Field	3	1973	559	1980	Organics
77	4042	So. Farmingdale	1-1	1954	150	1982	Screen Collapse
78	827	Westbury	3	-	240	1964	Capacity
79	828	"	4	-	350	1964	Capacity

NASSAU COUNTY DEPARTMENT OF HEALTH

ABANDONED PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 – 1991

	NYSDEC N#	WATER SYSTEM	WELL No.	DATE DRILLED	DEPTH (FT)	DATE ABANDONED	REASON (c)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
80	829	Westbury (cont'd)	5	1950	252	1964	Capacity
81	1667	"	7	1941	237	1964	Capacity
82	2236	"	8	1947	570	1987	Pulled Sand
83	1658	Grumman Corp.	1	1941	112	1972	Capacity
84	1665	"	2	1941	101	1962	NO3, NH3
85	1666	"	3	1941	99	1962	NO3, NH3
86	1923	"	4	1943	359	1977 (b)	Organics
87	1960	"	5	1944	160	1964	Capacity, Sand
88	1963	"	6	1944	105	1964	Capacity, Sand
89	1797	"	7	1942	94	1964	Capacity, Sand
90	1911	"	8	1943	163	1964	Capacity, Sand
91	1798	"	9	1941	105	1964	Capacity, Sand
92	1912	"	10	1943	143	1964	Capacity, Sand
93	1859	"	11	1942	164	1964	Cr+6, Capacity
94	1961	"	12	1944	274	1964	Capacity
95	4708	"	A	1954	169	1969	Taste & Odor
96	5305	"	13	1955	256	1969	NO3
97	1922	"	14	1943	151	1970	Capacity
98	5306	"	15	1955	167	1972	Capacity
99	8124	"	3	1966	543	1977 (b)	Organics
100	7635	"	5	1964	394	1977 (b)	Organics
101	7534	"	6	1964	366	1977 (b)	NO3
102	7535	"	8	1964	357	1977 (b)	Organics, NO3
103	8842	"	1	1972	570	1977 (b)	Organics
104	7636	"	10	1964	373	1977 (b)	Organics, NO3
105	7637	"	11	1964	490	1977 (b)	Organics
106	8643	"	14	1970	467	1977 (b)	Organics
107	8816	"	15	1972	500	1977 (b)	Organics
108	7744	Plattdeutsche	1	1965	70	1977 (b)	Cr+6, NO3
109	8623	Am Impr Prod	1	1966	93	1977 (b)	Organics
110	2316	Pall Corp	1	1946	190	1977 (b)	Organics
111	7664	Engineers CC	2	1965	80	1978 (b)	Organics
112	6576	Aug. Thomsen	1	1958	146	1977 (b)	Organics
113	7847	Camp Bauman	1	1965	40	1980	NO3
114	157	AHRC	1	1932	360	1978	Bacteria
115	4410	HO Penn	1	1954	115	1979	Copper

SOURCE: NCDH records.

(a) Common suction system – treated as one well.

(b) Well abandoned as a drinking supply; used for non-drinking purposes.

(c) Cr+6 – Chromates; Fe – Iron; H2S – Hydrogen Sulfide; MBAS – Detergents; Mn – Manganese; NH3 – Ammonia; NO3 – Nitrates; T & O – Taste and Odor

NASSAU COUNTY DEPARTMENT OF HEALTH

DEEPENED PUBLIC SUPPLY WELLS IN NASSAU COUNTY
1950 – 1991

	NYSDEC N#	WATER SYSTEM	WELL No.	DATE DRILLED	DEPTH (FT)	DATE DEEPENED	DEPTH (FT)	REASON (a)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	6915	Bethpage	10	1961	515	1976	608	Screen Collapse
2	2748	Carle Place	2	1949	332	1971	550	NO3
3	3456	East Meadow	1	1950	320	1974	580	NO3
4	3465	"	3	1950	302	1975	585	NO3
5	5318	"	6	1956	310	1977	633	Fe
6	5320	"	8	1956	384	1978	648	Fe
7	4390	Jamaica	40	1954	105	1966	296	Capacity
8	7649	"	57	1964	205	1986	340	Turbidity
9	4077	"	35	1953	90	1988	160	Capacity
10	5303	Levittown	13	1955	506	1985	736	Fe
11	5301	"	11	1955	377	1988	–	NO3
12	5304	"	14	1956	472	1989	–	Fe, H2S
13	2578	LIWC	7-2	1956	88	1988	325	NO3,Capacity
14	8183	Oyster Bay	6-1	1968	230	1989	500	Organics
15	5195	RVC	9	1955	340	1981	505	Pulled Sand
16	5484	Roosevelt Field	1	1956	287	1973	575	Pulled Sand
17	5485	"	2	1956	279	1972	557	Pulled Sand
18	5486	"	3	1956	263	1973	559	Pulled Sand
19	4757	Uniondale	2	1955	323	1980	633	Capacity, Fe, Sand
20	4756	"	1	1955	307	1985	635	Fe
21	4759	"	4	1955	355	1985	635	Fe
22	4758	"	3	1956	446	1980	630	Turb, Fe
23	101	Westbury	6	1943	335	1970	341	Capacity
24	5007	"	10	1955	259	1987	494	NO3
25	5654	"	11	1956	335	1987	538	NO3

SOURCE: NCDH records.

(a) Cr+6 – Chromates
Fe – Iron
H2S – Hydrogen Sulfide
Mn – Manganese
MBAS – Detergents
NH3 – Ammonia
NO3 – Nitrates
T & O – Taste and Odor
Turb – Turbidity

NASSAU COUNTY DEPARTMENT OF HEALTH

RESTRICTED PUBLIC WATER SUPPLY WELLS–NASSAU COUNTY INORGANIC CHEMICALS

DECEMBER 31, 1991

WATER SYSTEM	NYSDEC N–No. (a)	LOCAL No.	DEPTH (Ft.)	DATE RESTRICTED	CHEMICAL	STATUS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COMMUNITY SYSTEMS						
Albertson W.D.	None					
Bayville (V)	7643	1–2	218	1967	Nitrate	Not Used
Bethpage W.D.	6078	9	275	1971	Nitrate	Blended
Bowling Green W.D.	None					
Carle Place W.D.	2747	1	328	1969	Nitrate	Not Used
DeForest Dr Assoc W.S.	None					
East Meadow W.D.	4447	4	330	09/20/78	Nitrate	Not Used
	3457	2	320	06/02/83	Nitrate	Not Used
	3456	1	555	11/28/89	Nitrate	Not Used
East Williston (V)	None					
Farmingdale (V)	None					
Franklin Square W.D.	None					
Freeport (V)	None					
Garden City Pk W.D.	2565	3	405	1966	Nitrate	Not Used
	8409	9	400	1969	Nitrate	Treated
	651	2	340	1970	Nitrate	Blended
	3673	5	429	1970	Nitrate	Not Used
	650	1	346	08/22/77	Nitrate	Blended
Garden City (V)	None					
Garden City So W.D.	None					
Glen Cove, City of	None					
Glenwood W.D.	None					
Great Neck No, W.A. of	30	1	203	1970	Chloride	Not Used
Hempstead (V)	None					
Hicksville W.D.	6191	7–2	550	1973	Nitrate	Blended
	3953	6–1	419	07/06/79	Nitrate	Not Used
	6193	8–2	467	09/12/83	Nitrate	Blended
	8525	3–2	503	04/16/90	Nitrate	(b)
	8249	1–5	490	11/20/90	Nitrate	(b)
Jamaica W.S. Co	693	15D	93	05/01/90	Nitrate	(b)

(a) Wells which cannot be used without treatment or blending to meet MCL.

(b) Blending is proposed.

NASSAU COUNTY DEPARTMENT OF HEALTH

RESTRICTED PUBLIC WATER SUPPLY WELLS–NASSAU COUNTY INORGANIC CHEMICALS

DECEMBER 31, 1991

WATER SYSTEM	NYSDEC N–No. (a)	LOCAL No.	DEPTH (Ft.)	DATE RESTRICTED	CHEMICAL	STATUS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Jericho W.D.	None					
Levittown W.D.	5301	11	377	06/22/77	Nitrate	Not Used
	2580	3	357	08/25/81	Nitrate	Blended
Lido–Pt. Lookout W.D.	None					
Locust Valley W.D.	None					
Long Beach, City of	None					
Long Island Water Corp	None					
Manhasset–Lake W.D.	None					
Massapequa W.D.	None					
Mill Neck Estates W.S.	None					
Mineola (V)	578	3	407	03/28/77	Nitrate	Not Used
N Y Water Service Corp	3893	2S	151	1966	Nitrate	Not Used
N/E Farmingdale W.D.	None					
No Shore Univ Hosp@GC	None					
Old Westbury (V)	None					
Oyster Bay W.D.	None					
Plainview W.D.	4097	3–1	463	08/21/85	Nitrate	Blended
	6076	4–1	358	08/21/85	Nitrate	Blended
Plandome (V)	None					
Planting Fields W.S.	None					
Pt. Washington W.D.	None					
Rockville Centre (V)	None					
Roosevelt Fld. W.D.	6046	4	175	08/13/76	Nitrate	Not Used
Roslyn W.D.	None					
Sands Point (V)	None					
Sea Cliff Water Co.	None					
So Farmingdale W.D.	None					
Split Rock W.S.	None					
Swan Cove W.S.	None					
Uniondale W.D.	None					
Westbury W.D.	None					
West Hempstead W.D.	None					
Williston Park (V)	2487	3	338	1967	Nitrate	Not Used

(a) Wells which cannot be used without treatment or blending to meet MCL.
(b) Blending is proposed.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY WELLS AFFECTED BY VOLATILE ORGANIC CHEMICALS

JANUARY 1989 – DECEMBER 1991

WATER SYSTEM	NOT USED			USED		
	CLOSED FOR EXCEEDING GUIDELINES	VOLUNTARILY NOT USED, COULD EXCEED MCLs	DEEPENED OR ABAND-ONED	TREATED TO MEET MCLs	TREATED (MCLs NOT EXCEEDED)	OPE MEE MCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COMMUNITY SYSTEMS						
ALBERTSON W.D.	NONE	NONE		3,4		
BAYVILLE (V)	1–2	NONE				
BETHPAGE W.D.	NONE	NONE		6–1	6–2	
BOWLING GREEN W.D.	NONE	NONE				
CARLE PLACE W.D.	NONE	NONE				
DeFOREST DRIVE ASSOC	NONE	NONE				
EAST MEADOW W.D.	NONE	2,4				
EAST WILLISTON (V)	NONE	NONE				
FARMINGDALE (V)	NONE	NONE				
FRANKLIN SQUARE W.D.	NONE	NONE		4,5		
FREEPORT (V)	NONE	NONE				
GARDEN CITY PK W.D.	4,5	1,2,3		6,9	7,10	
GARDEN CITY (V)	NONE	9,12,	6	10,11,13,14		
GARDEN CITY SOUTH W.D.	NONE	NONE				
CITY of GLEN COVE	1–S,21	2–S	20,22	KELLY ST		
GLENWOOD W.D.	NONE	NONE				
GREAT NECK NORTH, W.A. of	NONE	NONE		21A,9	8	
HEMPSTEAD (V)	NONE	NONE		1–R,6	2	
HICKSVILLE W.D.	NONE	2–2,6–1		1–4,1–5,1–6 ~~4–2,5–2~~ 8–1,8–3		
JAMAICA W.S. CO.	NONE	15D,44,44A 44C	25	57,57A,40 20,35,35A	40A	
JERICHO W.D.	NONE	15				
LEVITTOWN W.D.	NONE	10				
LIDO–PT LOOKOUT W.D.	NONE	NONE				
LOCUST VALLEY W.D.	NONE	NONE				
CITY of LONG BEACH	NONE	NONE				
LONG ISLAND W. CORP.	NONE	1–16		5R		

Shaded means GAC Treatment

* Wells may or may not be used.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY WELLS AFFECTED BY VOLATILE ORGANIC CHEMICALS

JANUARY 1989 – DECEMBER 1991

WATER SYSTEM	NOT USED			USED		
	CLOSED FOR EXCEEDING GUIDELINES	VOLUNTARILY NOT USED, COULD EXCEED MCLs	DEEPENED OR ABAND-ONED	TREATED TO MEET MCLs	TREATED (MCLs NOT EXCEEDED)	OPEN MEETS MCLs *
(1)	(2)	(3)	(4)	(5)	(6)	(7)
MANHASSET-LAKE W.D.	NONE	8,23,5T,6T		6 7	4T,12 22	
MASSAPEQUA W.D.	NONE	NONE				
MILL NECK ESTATES W.S.	NONE	NONE				
MINEOLA (V)	NONE	NONE		4		
NEW YORK WATER SERVICE	NONE	NONE				
N/E FARMINGDALE W.D.	NONE	NONE				
NO SHORE UNIV HOSP @ GC	NONE	NONE				
OLD WESTBURY (V)	NONE	NONE				
OYSTER BAY W.D.	NONE	NONE	6-1			
PLAINVIEW W.D.	NONE	NONE				
PLANDOME (V)	NONE	NONE				
PLANTING FIELDS W.S.	NONE	NONE				
PT WASHINGTON W.D.	NONE	NONE		MP-9	H4,SH1 SH2	6,10
ROCKVILLE CENTRE (V)	NONE	NONE				
ROOSEVELT FIELD W.D.	NONE	NONE				
ROSLYN W.D.	NONE	NONE				2
SANDS POINT (V)	NONE	NONE				
SEA CLIFF WATER CO	NONE	NONE				
SO FARMINGDALE W.D.	NONE	NONE				
SPLIT ROCK W.S.	NONE	NONE				
SWAN COVE W.S.	NONE	NONE				
UNIONDALE W.D.	NONE	NONE				
WESTBURY W.D.	NONE	6				12A
WEST HEMPSTEAD W.D.	NONE	3,4				
WILLISTON PARK (V)	NONE	NONE			4	
NON-COMMUNITY SYSTEMS						
BETHPAGE ST PARK	1	NONE				
SAGAMORE HILL	NONE	2				

Shaded means GAC Treatment

* Wells may or may not be used.

NASSAU COUNTY DEPARTMENT OF HEALTH

WELLS RESTRICTED BY YEAR IN NASSAU COUNTY 1976–1991
COMMUNITY AND NON-COMMUNITY PUBLIC WATER SYSTEMS

YEAR	NUMBER of SYSTEMS	NUMBER of WELLS	VOLATILE ORGANIC CHEMICALS						INORGANIC CHEMICALS			
			RESTRICTED BY NCDH	VOLUNTARILY REMOVED FROM SERVICE BY SUPPLIER	REOPENED DUE TO IMPROVED QUALITY	REOPENED WITH TREAT-MENT	TOTAL CLOSED END OF YEAR	% CLOSED	CLOSED	REOPENED	TOTAL CLOSED END OF YEAR	% CLOSED
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1976	80	438	16	–	0	–	16	3.7%	1	1	20	4.6%
1977	81	435	13	–	16	–	13	3.0%	3	4	19	4.4%
1978	79	440	10	–	5	–	18	4.1%	3	1	21	4.8%
1979	71	434	2	–	7	–	13	3.0%	1	1	21	4.8%
1980	68	428	4	–	5	–	12	2.8%	1	2	20	4.7%
1981	66	427	3	–	2	–	13	3.0%	1	0	21	4.9%
1982	64	426	0	–	3	–	10	2.3%	0	0	21	4.9%
1983	64	421	5	–	3	–	12	2.9%	3	1	23	5.5%
1984	62	419	1	–	0	1	12	2.9%	1	0	24	5.7%
1985	61	421	2	–	0	1	13	3.1%	2	0	26	6.2%
1986	61	418	3	–	2	3	11	2.6%	0	0	26	6.2%
1987	61	418	1	–	0	–	12	2.9%	0	1	25	6.0%
1988	60	422	1	–	0	1	12	2.8%	0	2	23	5.5%
1989	58	416	0	48	8	6	46	11.1%	1	1	23	5.5%
1990	58	421	0	6	3	11	38	9.0%	3	0	26	6.2%
1991	58	422	0	6	1	11	32	7.6%	0	0	26	6.2%

(4) Wells exceeding NYS organic chemical guidelines of 50 µg/l for individual organics or 100 µg/l for total organics.
(5) Wells voluntarily removed from service by the suppliers since MCLs of 5 µg/L established on January 9, 1989.
(6) Wells which have improved in quality, were abandoned or deepened, or are no longer used for drinking.
(7) Wells used with VOC removal treatment.
(8) Wells closed at the end of each year.
(10) Wells exceeding nitrate, chloride, mercury or corrosivity standards.
(11) Wells which improved in quality, were abandoned or are no longer used for drinking.

NASSAU COUNTY DEPARTMENT OF HEALTH

PROGRAMS AND ACTIONS TAKEN TO CONTROL SOURCES OF GROUNDWATER CONTAMINATION IN NASSAU COUNTY (a)

Sources of groundwater contamination have been identified and corrected for many years. Programs and corrective actions taken in Nassau County are:

- Installation of sanitary sewers
- Ban on phosphate in detergent products
- Ban on use of cesspool cleaners containing volatile organic chemicals
- Inspection, testing and replacement of underground gasoline storage tanks
- Control program for industrial wastewater discharges
- Phase out of municipal landfills
- Elimination of open storage of road salt compounds
- Regulation of toxic and hazardous material storage and handling
- Regulation of population density and exclusion of industrial wastewater discharges in Special Groundwater Protection Areas
- Elimination of the discharge of hazardous materials to on-site disposal systems at automotive repair facilities.

(a) Programs undertaken by local and state agencies, including NCDH, to control pollution sources.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER PROTECTION PROGRAMS AND ACTIVITIES - 1991

A. WATER SUPPLY REGULATION ACTIVITIES

1. Enforce Federal and State Water Quality Standards

Monitoring requirements based on federal and state water quality standards are developed and enforced. Frequency and results of testing are analyzed to determine violations. State and public notifications are made where required. Corrective action to eliminate violations is undertaken.

2. Perform Routine Comprehensive Water Testing to Augment Monitoring of Quality by Public Water Systems

Routine monitoring of 422 public wells and the tap water in 58 water systems is performed by the Department for organic chemicals, inorganic chemicals, heavy metals and bacteriological quality. This is in addition to the required quality monitoring performed by each water supplier.

3. Regulate Production, Treatment, Storage and Distribution of Water

Public water systems are required to obtain the approval of the Department of Health prior to the construction of any new or modified water supply facilities including wells, storage tanks, water mains and water treatment facilities. Engineering plans and specifications must also be submitted for the approval of any new devices to prevent backflow of contaminants into the drinking water system. During 1991 plans were approved for 78 new or modified water supply facilities and 1,500 new backflow prevention device installations. Regular inspections are also performed by the Department of Health to assure that water supply facilities are operated and maintained in accordance with State and local health department requirements. All 58 public water systems in the county were inspected during 1991 to assure that a safe and adequate water supply is provided to consumers.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER PROTECTION PROGRAMS AND ACTIVITIES - 1991

A. WATER SUPPLY REGULATION ACTIVITIES (CONT'D)

4. Train and Approve Qualifications of Water Plant Operators

All water treatment plants and distribution systems must be under the responsible charge of a certified water plant operator and assistant operator. Candidates for operator and assistant operator grades must meet specified requirements of experience and education including successful completion of appropriate level water treatment operator courses. The Department accordingly reviews the qualifications of all water plant operator candidates by conducting field evaluations and tests and provides periodic water treatment plant operator courses and seminars to train operators. Currently over 400 certified water plant operators have been evaluated and certified by the Department and are at work in the public water systems in Nassau County.

5. Conduct Comprehensive Studies of Aquifers to Indentify Contaminant Levels and Trends as a Basis for Corrective Action

Comprehensive studies of areas of known groundwater contamination by organic chemicals are undertaken to identify the level, extent and movement of the contaminants as a basis for developing corrective programs. Areas studied or under study include: Mitchel Field, Roosevelt Field, New Cassel, New Hyde Park, Hicksville (2 sites), Bethpage-Hicksville-Levittown, Glen Cove, Woodbury and Garden City Park. A study was undertaken during 1990-91 in the Levittown area to determine if residential underground No. 2 Fuel Oil tank leaks are causing significant groundwater contamination.

6. Respond to Water Supply Emergencies and Orders Immediate Measures to Protect Public Health

The Department investigates complaints of substandard water quality and by the use of its laboratory is able to determine if any instances of drinking water contamination occur. Where necessary, the Department may order the chlorination of a water supply on an emergency basis, the closure of contaminated wells or may require other actions by water systems to prevent or eliminate drinking water contamination. Water systems are required to report emergency conditions to the Department and to prepare written plans to provide safe drinking water to all consumers during an emergency.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER PROTECTION PROGRAMS AND ACTIVITIES - 1991

A. WATER SUPPLY REGULATION ACTIVITIES (Cont'd)

7. Conduct Studies of the Aquifer System to Evaluate Natural and Man-Made Influences as a Basis for Effective Groundwater Management

Studies of the aquifer system are conducted by the Department in cooperation with the United States Geological Survey, the United States Environmental Protection Agency, the New York State Department's of Health and Environmental Conservation, the Nassau County Department of Public Works, the Long Island Regional Planning Board and Suffolk County agencies. Groundwater management strategies and plans include the Long Island Areawide Wastewater Management Study (208 Study), the 1980 Nassau County Master Water Supply Plan, the Long Island Regional Groundwater Management Plan, the Long Island Groundwater Management Strategy and the Special Groundwater Protection Area Study.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER PROTECTION PROGRAMS AND ACTIVITIES - 1991

B. AQUIFER PROTECTION ACTIVITES

1. Regulate Discharges to Groundwater of Industrial Wastewater, Sewage Treatment Plant Effluent and On-Site Sewage Systems

Discharges of treated liquid waste to the ground and surface waters of the State are regulated and controlled by the Department under the State Pollution Discharge Elimination System (SPDES). Under this program, 11 industrial, 30 oil terminal, 13 municipal and 5 non-municipal sewage treatment facilities are permitted and monitored.

2. Control Generation and Disposal of Hazardous Wastes Through State and County Law

Generators of industrial hazardous wastes are regulated by having these wastes removed by permitted industrial scavengers. About 200 facilities which generate more than 100 kilograms (200 pounds) per month are under permit.

3. Regulate Storage, Handling and Disposal of Hazardous and Toxic Substances

The storage of hazardous materials is regulated by Nassau County Public Health Ordinance Article XI which controls storage of chemicals, petroleum products and regulated medical wastes. This ordinance requires proper storage and monitoring of storage facilites involving storage tanks and smaller containers. Gasoline tanks are similarly regulated by the Office of the Fire Marshall.

4. Advocate Municipal Sewering and Insure Connection to Sewers Where Available

Municpal sewers protect groundwater from contamination. Over 90 percent of the County population is served by municipal sewer systems. In 1991 there were approximately 20,000 homes and other buildings in sewered areas which remained to be connected to the existing sewer systems.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER PROTECTION PROGRAMS AND ACTIVITIES - 1991

B. AQUIFER PROTECTION ACTIVITES (Cont'd)

5. Regulate Population Density in Special Groundwater Protection Areas to Reduce Nitrate Contamination

Development within approximately 51 square miles in Special Groundwater Protection Areas (SGPA)is limited to a density of not greater than one home per 40,000 square feet or equivalent for commercial development by Nassau County Public Health Ordinance Article X. The discharge of industrial wastewater is prohibited in these areas. The special areas are in the northern half of the county.

6. Respond to Spills of Toxic Chemicals, Including Petroleum Products, to Insure Containment, Clean-up and Correction of Groundwater Contamination

Department staff respond to spills of chemicals or abandoned containers of chemicals including petroleum products. Technical guidance is provided to Fire and Police Departments as well as other emergency services. The Department also prepares documents to support legal action against polluters.

7. Identify and Assess Threats to Groundwater Quality from Inactive Hazardous Waste Sites, Provides Technical Guidance to Federal and State Superfund Investigations

The Department collects and analyzes thousands of samples of chemicals, contaminated soil and water each year to evaluate the impact on the environment. Staff engineers and other scientists work with Federal and State agencies in preparing reports of investigations. Sites which are identified as containing hazardous wastes are referred to the State for listing as superfund sites.

8. Survey Industrial and Commercial Facilities on a Regular Basis to Identify and Gain Correction of Illegal Discharges of Chemicals to the Goundwater

Surveys of industrial and commercial facilities in the county have been on-going since 1976. During this time, over 3,500 survey inspections have been conducted identifying approximately 2,000 users of chemicals and/or generators of chemical waste.

NASSAU COUNTY DEPARTMENT OF HEALTH

PUBLIC WATER SUPPLY REGULATION AND GROUNDWATER PROTECTION PROGRAMS AND ACTIVITIES - 1991

B. AQUIFER PROTECTION ACTIVITES (Cont'd)

9. Inspect automotive repair facilities as part of the USEPA's Underground Injection Control (UIC) Program to determine the existance of and to eliminate any floor drains which are potential sources of groundwater contamination.

When floor drains are found during inspections, the discharge point(s) are located where possible. Facilities are then required to submit closure plans to eliminate the discharge(s) to the groundwater, to perform investigations to determine the extent of any subsurface contamination and to remediate any contamination resulting from the discharges.

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PROJECT NOTE

DATE: May 4, 1993

TO: Denton Avenue Landfill File
EPA ID#: NYD981186919

FROM: Chip Love, Environmental Specialist, Dynamac Corporation Chip Love 5-4-93

SUBJECT: Materials received from Nassau County Health Department on municipal water companies.

Mr. Lou Familetti sent some materials to Dynamac after a telephone request. These materials were:

- Zip code maps. These are copied pages from a county zip code book. On these maps are the locations of all municipal wells were serve Nassau County. All wells are referred to by a numbering system the county and/or the state use.

- Computer print out sheets. This computer report lists all wells by the county/state well number, supplier (local municipality), local number, community served, aquifer well draws from and other information.

- Ground Water And Public Water Supply Facts book. This publication is enclosed with the Dynamac report as a separate reference.

The zip code maps and the computer print outs are attached to this project note.

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	Elevation	[illegible]	Aquifer	Status	Quad Sheet
N-00010	18	15	ELMONT	TOH	2	400	330	404229	734246	90	800	2	1	9
N-00011	18	15A	ELMONT	TOH	2	409	375	404224	734218	60	800	2	1	9
N-00012	18	15B	ELMONT	TOH	2	423	365	404219	734240	60	800	2	1	9
N-00013A	18	15C	ELMONT	TOH	2	287	229	404216	734241	60	800	2	1	9
N-00014	18	9	NO MIP	TOH	2	108	85	404411	734137	100	300	1	3	9
N-00015	18	16	NO MIP	TOH	2	102	81	404427	734149	115	700	1	1	9
N-00016	100	1	G C PK	TNH	2	444	378	404416	734015	95	860	2	0	9
N-00017	18	20	NO MIP	TOH	2	465	405	404437	734023	100	800	2	0	9
N-00022	6	2	MANIST	TNH	4	145	126	404642	734405	25	1000	2	4	5
N-00023	6	3	MANIST	TNH	4	460	404	404642	734405	25	350	3	1	5
N-00024	25	5	KENSGTN	TNH	11	419	359	404735	734241	20	1200	3	6	5
N-00028	33	1	PLANDME	TNH	4	136	111	404832	734147	40	450	1	5	5
N-00029	33	2	PLANDME	TNH	4	207	182	404830	734148	40	350	1	5	5
N-00030	6	1	KNGS PT	TNH	4	203	164	404901	734420	45	700	7	0	5
N-00031	6	4	KNGS PT	TNH	4	229	193	404857	734427	45	1050	7	[illegible]	5
N-00036	38	1	SNDS PT	TNH	4	216	200	405104	734401	60	650	7	5	[illegible]
N-00037	38	2	SNDS PT	TNH	4	140	120	405111	734302	60	850	1	5	5
N-00038	100	1	SNDS PT	TNH	4	422	381	405132	734141	70	200	3	1	[illegible]
N-00041	23	3	LNG BCH	TOH	7	1255	1195	403536	733936	5	1000	1	1	11
N-00042	23	4	LNG BCH	TOH	7	1184	1144	403537	733939	5	510	3	1	11
N-00043	23	5	LNG BCH	TOH	7	1264	1193	403531	734012	5	1000	3	1	13
N-00044	23	6	LNG BCH	TOH	7	1259	1189	403531	734023	10	700	3	1	13
N-00046	21	1	LID BCH	TOH	7	1280	1200	403534	733927	5	1000	3	5	14
N-00048	35	1	RVC	TOH	2	528	449	403923	733922	15	1200	2	1	9
N-00049	35	2	RVC	TOH	2	330	304	403923	733416	15	800	2	1	9
N-00050	35	3	RVC	TOH	2	513	442	403923	733916	15	1100	2	2	9
N-00052	35	4	RVC	TOH	2	533	469	403929	733826	20	1500	2	1	9
N-00068	11	5	FRPT	TOH	6	500	450	403922	733532	20	1100	2	5	10
N-00069	11	6	FRPT	TOH	6	494	444	403921	733537	20	1400	2	5	10
N-00072	35	5	RVC	TOH	2	604	544	404104	733741	40	1140	2	5	10
N-00075	43	1	W HEMP	TOH	2	181	133	404138	733836	60	1200	2	5	9
N-00076	43	2	W HEMP	TOH	2	193	148	404136	733932	60	1000	2	5	9
N-00079	16	2	HEMPSTD	TOH	2	428	358	404257	733716	60	1275	2	5	10
N-00080	16	3	HEMPSTD	TOH	2	478	428	404256	733712	60	900	2	5	10
N-00081	16	4	HEMPSTD	TOH	2	420	360	404305	733709	60	1000	2	5	10
N-00082	16	5	HEMPSTD	TOH	2	542	390	404308	733707	60	1000	2	5	10
N-00083	16	6	HEMPSTD	TOH	2	403	363	404306	733713	60	1000	2	7	10
N-00091	12	2	GDN CTY	TOH	2	90	82	404350	733816	80	900	1	1	9
N-00093	12	5	GDN CTY	TOH	2	77	66	404352	733831	80	900	1	1	[illegible]
N-00094	12	6	GDN CTY	TOH	2	322	322	404350	733825	80	1050	2	2	9
N-00095	12	7	GDN CTY	TOH	2	534	474	404352	733830	80	1050	2	5	9
N-00097	27	1	MINEOLA	TNH	2	355	295	404448	733812	100	1200	2	5	9
N-00098	27	2	MINEOLA	TNH	2	366	308	404446	733813	100	750	2	1	9
N-00100	100	1	MINEOLA	TNH	2	87	72	404420	733810	105	85	1	1	9
N-00101	42	6	WSTBY	TNH	3	341	280	404521	733534	110	1000	2	0	10
N-00102	100	1	E WILL	TNH	2	92	71	404534	733743	175	400	1	0	6
N-00103	44	1	WIL PK	TNH	2	380	330	404553	733830	110	1000	2	5	5
N-00104	44	2	WIL PK	TNH	2	376	325	404557	733828	110	750	2	5	5
N-00105	30	2	O WSTBY	TNH	4	452	412	404652	733727	170	500	2	1	6
N-00107	30	3	O WSTBY	TNH	4	491	455	404733	733524	220	500	2	2	6
N-00115	22	1	LOC VLY	TOB	4	407	340	405242	733516	100	400	1	1	6
N-00118	22	4	LOC VLY	TOB	4	471	412	405243	733510	100	1100	3	3	6
N-00119	22	5	LOC VLY	TOB	4	571	497	405243	733524	80	1600	3	2	6
N-00121	100	1	LATNGTN	TOB	4	218	149	405307	733550	120	400	2	1	2
N-00129	100	2	WANTAGH	TOH	13	951	882	403624	733014	10	1000	2	0	15
N-00131	11	1	FRPT	TOH	6	523	473	403949	733417	20	0	2	1	10
N-00132	11	2	FRPT	TOH	6	507	466	403951	733410	20	900	2	5	10
N-00133	11	3	FRPT	TOH	6	511	470	403953	733420	[illegible]	1000	2	5	10

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	U.S. Elevation	Gpm	Aquifer	Status	Quad Sheet
N-00134	11	4	FRPT	TOH	6	517	467	403350	733415	20	1500	2	5	10
N-00148	17	2-1	HKSVL	TOB	3	153	133	404441	733307	120	150	2	1	10
N-00149	17	1-1	HKSVL	TOB	3	152	127	404626	733112	105	640	2	1	6
N-00152	30	1	O WSTBY	TNH	4	470	438	404630	733410	160	500	2	[illegible]	6
N-00157	100	1	BKVL	TOB	4	360	335	404842	733449	190	300	2	1	5
N-00189	62	1	FRMGDL	TOB	3	183	150	404449	732648	145	550	2	7	11
N-00198	19	3	SYOSSET	TOB	4	617	567	404917	732929	230	1130	2	5	7
N-00199	19	4	SYOSSET	TOB	4	600	544	404922	732924	220	1120	2	5	7
N-00204	100	1	CTR TSL	TOB	4	0	0	405406	733121	500	0	3	0	7
N-00361	12	1	GDN CTY	TOH	2	40	25	404350	733828	80	1000	1	1	7
N-00558	100	1	GT NK	TNH	9	182	172	404644	734400	44	40	2	6	5
N-00570	19	5	SYOSSET	TOB	4	600	560	404919	732931	220	1200	2	5	7
N-00578	27	3	MINEOLA	TNH	2	407	357	404656	733911	100	1000	2	9	9
N-00585	31	PLT1	O BAY	TOB	14	77	57	405230	733231	20	750	1	5	6
N-00590	72	2	COV NK	TOB	4	150	140	405312	732946	130	35	1	9	3
N-00617	62	3	FRMGDL	TOB	3	180	150	404450	732654	146	1000	2	4	11
N-00629	100	1	ELMONT	TOH	2	71	49	404144	734145	50	375	1	1	9
N-00638	100	1	O WSTBY	TOB	3	560	545	404811	733604	295	500	2	0	6
N-00650	13	1	HERRCKS	TNH	2	346	306	404533	733936	120	700	2	8	5
N-00651	13	2	HERRCKS	TNH	2	340	300	404534	733933	120	500	2	6	5
N-00660	100	1	GLN CV	TOB	5	404	0	405149	733819	58	500	3	0	5
N-00662	100	0000	PT WASH	TNH	8	364	348	404940	733927	5	0	3	2	5
N-00687	6	5	SAD RK	TNH	11	309	279	404742	734443	10	700	3	5	5
N-00693	18	150	ELMONT	TOH	2	93	68	404229	734244	60	1700	1	2	9
N-00700	6	21A	MANHST	TNH	4	70	46	404642	734416	20	1050	1	7	5
N-00706	9	1-2	FRMGDL	TOB	3	70	55	404411	732616	70	500	1	1	11
N-00728	29	1	MSPQ E	TOB	3	37	32	404055	732529	25	520	1	1	11
N-00729	29	2	MSPQ E	TOB	3	80	70	404055	732559	25	1400	1	1	11
N-00735	31	4	O BAY	TOB	14	100	85	405211	733230	20	150	1	5	6
N-00736	31	5	O BAY	TOB	14	70	56	405231	733230	20	150	1	5	6
N-00801	28	0000	GLN CV	TOB	5	36	0	405128	733725	50	0	5	1	6
N-00827	42	3	WSTBY	TNH	3	240	0	404526	733532	110	100	2	1	6
N-00828	42	4	WSTBY	TNH	3	350	0	404526	733533	110	250	2	1	6
N-00829	42	5	WSTBY	TNH	3	252	238	404526	733535	110	300	2	1	6
N-00835	28	H	GLN CV	TOB	5	300	276	405347	733755	20	550	3	2	2
N-00901	39	D	SEA CLF	TOB	4	68	47	405018	733902	15	0	1	2	5
N-01102	101	D2	LK SUCC	TNH	2	166	161	404609	734216	184	0	1	6	5
N-01118	101	E2	SNDS PT	TNH	4	82	77	405048	734043	147	0	1	6	5
N-01120	101	E4	FLWR HL	TNH	8	100	95	404835	734040	116	0	2	6	5
N-01139	101	F-6	GDN CTY	TOH	2	68	63	404416	733803	103	0	1	6	9
N-01141	101	F-8	GDN CTY	TOH	2	43	38	404304	733752	77	0	1	6	10
N-01147	101	F14	RVC	TOH	2	24	19	403943	733713	27	0	1	6	10
N-01152	101	G4	GLN CV	TOB	5	130	125	405104	733752	156	0	1	6	6
N-01160	101	G12	GDN CTY	TOH	3	58	53	404342	733626	91	0	1	6	10
N-01168	101	G20	FRPT	TOH	6	28	23	403849	733500	16	0	1	6	10
N-01176	101	H7	O WSTBY	TOB	3	198	193	404736	733531	155	0	2	6	6
N-01177	101	H8	O WSTBY	TNH	3	146	141	404658	733514	103	0	2	1	5
N-01185	101	H16	HERRICK	TOH	3	18	16	403957	733342	21	0	1	6	10
N-01190	101	O4	UPBRKVL	TOB	4	99	94	405132	733407	128	0	1	6	6
N-01194	101	O8	JERICHO	TOB	3	100	95	404657	733322	168	0	1	6	6
N-01195	101	O9	HKSVL	TOB	3	116	111	404609	733303	168	0	2	6	6
N-01197	101	O11	HKSVL	TOB	3	69	64	404654	733239	116	0	1	6	10
N-01204	101	O18	BELMR	TOH	3	29	24	404014	733128	21	0	1	6	10
N-01205	101	O19	BELMR	TOH	3	29	24	403934	733119	8	0	1	6	10
N-01209	101	P4	E NORW	TOB	4	64	59	405101	733200	122	0	1	1	6
N-01219	101	P14	NO WTGH	TOH	3	32	27	404218	732934	55	0	1	1	11
N-01222	101	P17	SEAFORD	TOH	3	28	23	404025	732906	29	0	1	1	11
N-01231	101	T 8	PLNVIEW	TOH	3	81	76	404628	732840	164	0	2	6	7
N-01242	101	T9	[illegible]	TOB	1	57	52	404542	[illegible]	111	0	1	6	7

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	L.S. Elevation	Cap	Aquifer	Status	USGS Quad Sheet
N-01233	101	T-10A	BTHFG	TOB	3	40	35	404449	732824	95	0	1	6	11
N-01238	101	T13	NO MSPQ	TOB	3	52	47	404301	732752	70	0	1	6	11
N-01246	101	U5	PLNVIEW	TOB	3	125	120	404704	732842	185	0	2	8	7
N-01298	6	6	G N EST	TNH	11	336	286	404655	734445	10	1200	3	4	5
N-01300	100	1	NO HLS	TNH	2	375	305	404557	734022	175	500	2	0	5
N-01328	25	21	NO HLS	TNH	4	742	652	404719	734105	190	1500	3	5	5
N-01346	24	5	WMMR	TOH	2	160	0	403849	734235	10	9700	4	9	9
N-01402	24	4(1-15	BALDWIN	TOH	2	35	0	403952	733616	20	1040	1	2	10
N-01443	101	X34	SO HEMP	TOH	2	24	19	403950	733613	18	0	1	1	10
N-01451	101	X-43	GLN CTY	TOH	2	35	30	404358	733707	64	0	0	6	10
N-01495	24	B15	BALDWIN	TOH	2	35	0	403952	733615	20	0	1	1	10
N-01601	24	1-13	RSVLT	TOH	2	600	530	404048	733548	40	1200	2	5	10
N-01602	24	2-1	LAKVW	TOH	2	486	446	404029	733937	25	1200	2	4	9
N-01603	24	3-1	W HEMP	TOH	2	529	484	404115	733933	40	1200	2	5	9
N-01618	25	22	MANHST	TNH	4	550	470	404631	734215	175	1500	3	5	5
N-01631	63	4	E MEAD	TOH	3	43	36	404346	733640	86	250	1	1	10
N-01651	22	6	LOC VLY	TOB	4	465	385	405231	733634	130	800	3	4	6
N-01658	100	1	BTHFG	TOB	3	107	71	404447	732948	109	700	2	1	11
N-01665	100	2	BTHFG	TOB	3	101	68	404454	732954	120	1000	2	1	11
N-01666	100	3	BTHFG	TOB	3	108	81	404441	732952	122	1000	2	1	11
N-01667	42	7	WSTBY	TNH	3	237	207	404524	733537	110	1050	2	1	6
N-01696	52	5	MITCH F	TOH	3	468	438	404405	733527	80	800	2	1	10
N-01697	12	8	GLN CTY	TOH	2	518	478	404359	733832	88	1120	2	5	9
N-01715	34	N1	PT WASH	TNH	8	480	430	404908	734109	110	510	3	5	5
N-01716	34	N2	PT WASH	TNH	8	475	425	404911	734111	110	684	3	5	5
N-01773	100	1	O WSTBY	TNH	4	293	281	404727	733426	228	150	2	2	6
N-01788	100	1	STMMORE	TNH	4	320	265	404741	734025	230	260	2	0	5
N-01802	25	7	NO NHP	TNH	2	691	641	404512	734210	140	1050	3	9	9
N-01804	100	3	LK SUCC	TNH	2	250	220	404520	734149	120	1300	2	5	5
N-01840	100	2	S FMGDL	TOB	3	78	65	404335	732848	64	350	1	4	11
N-01858	100	11	BTHFG	TOB	3	165	135	404516	732942	126	800	2	1	11
N-01870	37	1-8Z	ROSLYN	TNH	0	260	0	404808	733910	40	1499	2	5	5
N-01922	100	14	BTHFG	TOB	3	187	157	404513	732956	125	800	2	1	11
N-01923	100	4	BTHFG	TOB	3	359	293	404441	732950	114	1200	2	5	11
N-01927	23	8	LNG BCH	TOH	7	1219	1159	403520	733819	10	700	3	1	11
N-01937	9	2-1	FRMGDL	TOB	3	146	121	404409	732711	120	800	2	5	11
N-01958	18	16A	NO NHP	TOH	2	727	667	404425	734248	115	1115	3-L	5	9
N-01965	100	3	S FMGDL	TOB	3	172	146	404330	732655	61	250	2	2	11
N-02020	25	5T	NO HLS	TNH	4	485	425	404731	734007	260	1450	2	9	5
N-02030	34	N3	PT WASH	TNH	8	215	190	404907	734109	110	510	1	5	5
N-02048	100	2	WANTAGH	TOH	3	60	44	404144	733016	42	400	1	1	11
N-02052	34	H4	FLWR HL	TNH	8	325	275	404829	733953	100	1200	2	5	5
N-02060	100	1	GLN CV	TOB	5	82	60	405139	733801	26	98	1	0	5
N-02072	17	1-3	HKSVL	TOB	3	159	138	404639	733111	165	600	2	1	6
N-02087	100	1	GLN CV	TOB	5	345	334	405145	733820	50	200	3	0	5
N-02112	100	2	GLN CTY	TOH	2	61	45	404119	733753	82	300	1	0	10
N-02115	18	25	NO V S	TOH	2	64	64	404107	734320	40	1200	1	1	9
N-02169	100	1	LK SUCC	TNH	4	239	221	404648	734215	58	600	2	1	5
N-02214	6	7	GT NK	TNH	12	286	236	404826	734504	50	1300	3	2	5
N-02236	42	8	NEW CSL	TNH	3	565	520	404519	733427	110	750	2	1	10
N-02239	43	3	W HEMP	TOH	2	178	138	404130	733842	60	1200	2	5	9
N-02240	100	1	HKSVL	TOB	1	89	73	404437	732954	105	250	1	0	11
N-02316	100	1	GLN CV	TOB	5	170	0	405106	733725	60	250	2	0	6
N-02400	37	2	E HILLS	TNH	0	439	399	404727	733804	165	1000	2	9	5
N-02402	20	1	LEVITT	TOH	3	206	164	404401	733149	100	800	2	1	10
N-02403	20	2	LEVITT	TOH	3	84	59	404400	733142	100	800	1	1	10
N-02409	100	5	LKE IHW	TOB	4	86	66	405125	732805	15	0	1	0	7
N-02413	18	8A	[illegible]	TOH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	900	[illegible]	[illegible]	[illegible]

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	L.S. Elevation	Cap	Aquifer	Status	USGS Quad Sheet
N-02487	44	3	WIL PK	TNH	2	338	298	404546	733902	125	1000	2	8	5
N-02565	13	3	G C PK	TNH	2	405	370	404434	733940	100	1000	2	8	9
N-02578	24	7-2A	V S	TOH	2	0	0	404033	734312	30	1200	1	5	9
N-02578A	24	7-2	V S	TOH	2	88	58	404038	734312	30	1200	1	1	9
N-02580	20	3	LEVITT	TOH	3	357	321	404323	733144	85	800	2	8	10
N-02581	20	4	LEVITT	TOH	3	80	54	404324	733126	85	800	1	1	10
N-02597	23	9	LNG BCH	TOH	7	1235	1175	403530	733403	5	1200	3	5	14
N-02607	42	9	NEW CSL	TNH	3	853	760	404516	733434	110	950	3	5	10
N-02603	29	3	MSPQ E	TOB	3	66	34	404058	732605	25	700	1	1	11
N-02613	24	4-16	BALDWIN	TOH	2	500	460	403955	733615	20	1215	2	5	10
N-02616	65	1	SEA CLF	TOB	4	232	184	405053	733705	75	500	1	5	6
N-02635	101	X76	PT WASH	TNH	8	184	150	404843	734132	42	0	2	6	5
N-02747	5	1	CAR PL	TNH	3	328	278	404446	733850	110	1000	2	8	10
N-02748	5	2	CAR PL	TNH	3	510	460	404445	733851	110	1200	2	5	10
N-02748A	5	2	CAR PL	TNH	3	326	276	404445	733851	110	1000	2	1	10
N-02847	100	1	GLN CV	TOB	5	118	82	405209	733751	80	425	1	5	6
N-02920	45	1	COV NK	TOB	4	515	505	405252	732928	20	100	3	5	7
N-02923	63	1	E MEAD	TOH	3	122	80	404409	733352	98	750	2	4	10
N-03081	100	1	RVC	TOH	2	80	44	404028	733746	30	310	1	4	10
N-03129	63	2	E MEAD	TOH	3	142	107	404402	733352	95	1000	2	2	10
N-03142	3	4	BTHPG	TOB	3	163	122	404545	732841	137	700	2	1	7
N-03147	3	5	BTHPG	TOB	3	233	182	404547	732849	137	500	2	1	7
N-03165	27	4	MINEOLA	TNH	2	463	423	404416	733847	100	1050	2	9	9
N-03193	20	5	LEVITT	TOH	3	316	278	404339	733040	90	1000	2	1	10
N-03194	20	6	LEVITT	TOH	3	258	219	404338	733047	90	1000	2	1	10
N-03243	63	3	E MEAD	TOH	3	303	248	404344	733358	89	1000	2	5	10
N-03312	20	8	LEVITT	TOH	3	304	252	404315	733035	75	800	2	1	10
N-03313	20	7	LEVITT	TOH	3	95	64	404309	733026	75	1000	2	1	11
N-03327	24	7-1	V S	TOH	2	450	398	404038	734312	30	1400	2	1	9
N-03427	29	10	WANTAGH	TOH	3	161	126	404050	732948	20	700	2	1	11
N-03443	6	8	GT NK	TNH	12	464	424	404815	734345	115	1200	3	5	5
N-03448	23	7	LNG BCH	TOH	7	1238	1180	403520	734153	10	1400	3	1	13
N-03456	7	1	E MEAD	TOH	3	555	494	404302	733325	85	1500	2	5	10
N-03456A	7	1	E MEAD	TOH	3	320	280	404303	733033	85	910	2	1	10
N-03457	7	2	E MEAD	TOH	3	320	280	404310	733316	85	1050	2	8	10
N-03463	29	10	NO WTGH	TOH	3	299	247	404132	733113	40	1400	2	1	10
N-03465	7	3	E MEAD	TOH	3	560	519	404305	733331	85	1500	2	5	10
N-03465A	7	3	E MEAD	TOH	3	297	268	404306	733330	85	810	2	1	10
N-03466	28	20	GLN CV	TOB	5	173	148	405115	733725	160	405	2	1	6
N-03474	19	6	BKVL	TOB	4	512	452	404847	733440	195	1200	2	5	6
N-03475	19	7	BKVL	TOB	4	482	432	404850	733445	195	1200	2	5	6
N-03486	31	6	O BAY	TOB	14	102	70	405232	733235	20	500	1	5	6
N-03488	17	3-1	HKSVL	TOB	3	169	116	404445	733104	115	1200	2	1	10
N-03498	74	1	WANTAGH	TOB	3	335	315	403832	732552	10	125	2	2	15
N-03520	24	3-2	W HEMP	TOH	2	178	126	404112	733935	40	800	2	4	9
N-03523	25	8	MNSY PK	TNH	4	320	290	404814	734112	200	950	2	5	5
N-03540	33	3	PLANDME	TNH	4	207	155	404833	734146	40	650	1	5	5
N-03552	17	4-1	HKSVL	TOB	3	169	116	404454	733203	120	1200	2	1	10
N-03553	17	5-1	HKSVL	TOB	3	152	99	404453	733246	115	1200	2	1	10
N-03561	31	7	O BAY	TOB	14	118	88	405231	733230	20	800	1	5	6
N-03562	100	1	E RCKWY	TOH	2	55	40	403848	734014	22	100	1	0	9
N-03564	29	2	WANTAGH	TOH	3	69	28	404050	732948	20	1000	1	1	11
N-03569	100	1	LOC GRV	TOB	3	402	353	403849	734054	181	1000	2	0	9
N-03603	10	1	FR SQ	TOH	2	493	443	404248	734023	65	1000	2	4	9
N-03604	10	2	FR SQ	TOH	2	498	438	404247	734023	65	1000	2	4	9
N-03605	10	3	FR SQ	TOH	2	438	398	404153	734102	60	1200	2	4	9
N-03618	20	6A	LEVITT	TOH	3	418	317	404340	733147	90	1000	2	5	10
N-03668	16	7	HEMPSTD	TOH	2	500	450	404150	733732	50	1200	2	5	10
N-01672	13	4	G C PK	TNH	2	447	407	404459	734021	100	1000	2	7	9

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	L.S. Elevation	Cap	Aquifer	Status	USGS Quad Sheet
N-03673	13	5	G C PK	TNH	2	429	389	404459	734023	100	1000	2	7	9
N-03680	29	2J	NO WTGH	TOH	3	328	270	404134	733114	40	1400	2	1	10
N-03687	23	10	LNG BCH	TOH	7	1265	1195	403538	733944	5	1200	3	5	13
N-03695	52	1	MITCH F	TOH	3	500	470	404350	733512	80	350	2	1	10
N-03697	52	3	MITCH F	TOH	3	432	402	404350	733612	80	350	2	1	10
N-03698	52	4	MITCH F	TOH	3	472	442	404353	733607	80	350	2	1	10
N-03699	100	1	CAR PL	TNH	2	89	67	404449	733707	107	400	2	0	10
N-03700	100	2	CAR PL	TNH	2	73	51	404448	733705	107	400	1	0	10
N-03704	43	4	W HEMP	TOH	2	150	108	404132	733833	60	1200	2	9	9
N-03720	18	30	NO V S	TOH	2	516	476	404112	734041	40	1200	2	5	9
N-03722	24	1-15	RSVLT	TOH	2	81	55	404048	733547	40	750	1	4	10
N-03732	1	1	ROS HTS	TNH	2	350	310	404844	733839	145	1000	2	5	5
N-03733	1	2	ROS HTS	TNH	2	450	410	404628	733831	145	1000	2	5	5
N-03742	100	1	PT WASH	TNH	8	260	230	404842	734044	140	600	1	2	5
N-03745	35	6	RVC	TOH	2	592	542	404109	733749	40	1200	2	5	10
N-03780	29	1S	NO WTGH	TOH	3	142	89	404228	732935	60	1400	2	1	11
N-03781	24	9-2	V S	TOH	2	430	370	404030	734145	25	1600	2	1	9
N-03782	24	9-1	V S	TOH	2	408	347	404030	734144	25	1400	2	1	9
N-03832	24	1-16	RSVLT	TOH	2	95	65	404048	733545	40	750	1	9	10
N-03859	100	1	E MEAD	TOH	3	279	259	404401	733457	77	150	2	0	10
N-03876	3	6-1	PLNEDGE	TOB	3	386	320	404353	732912	90	1400	2	7	11
N-03878	17	6-2	HKSVL	TOB	3	428	375	404624	733231	165	1200	2	3	6
N-03881	12	9	GDN CTY	TOH	2	466	426	404321	734021	85	1100	2	9	9
N-03888	29	4	MSPQ E	TOB	3	75	42	404058	732605	25	1400	1	1	11
N-03892	28	1S	GLN CV	TOB	5	246	138	405233	733724	130	700	1	7	6
N-03893	29	2S	NO WTGH	TOH	3	151	98	404228	732934	60	1400	2	8	11
N-03894	29	1C	NO MRK	TOH	3	362	312	404059	733417	30	1400	2	1	10
N-03895	29	1N	NO ELMR	TOH	3	349	312	404119	733231	40	2100	2	2	10
N-03905	25	12	LK SUCC	TNH	9	254	214	404544	734151	150	1050	1	5	5
N-03912	100	1	SNDS PT	TNH	4	104	101	405044	734055	165	18	1	0	5
N-03926	100	1	WDSBRGH	TOH	2	67	54	403723	734303	17	350	1	0	13
N-03934	12	10	GDN CTY	TOH	2	417	377	404403	733709	90	1400	2	7	10
N-03935	12	11	GDN CTY	TOH	2	410	370	404401	733705	90	1400	2	9	10
N-03937	24	8-1	MLVRN	TOH	2	462	389	404001	734020	25	1400	2	5	7
N-03953	17	6-1	HKSVL	TOB	3	419	169	404628	733237	145	1200	2	8	6
N-03993	100	1	GLN CV	TOB	5	70	65	405153	733759	40	20	2	1	6
N-04009	100	1	WANTAGH	TOH	3	50	35	404144	733015	42	250	1	1	11
N-04010	100	4	S FMGDL	TOB	3	268	238	404338	732700	64	500	2	5	11
N-04042	40	1-1	PLNEDGE	TOB	3	154	96	404309	732745	60	1100	2	1	11
N-04043	40	1-2	PLNEDGE	TOB	3	374	322	404309	732749	60	1200	2	5	11
N-04077	18	35	FL PK	TOH	2	90	70	404323	734138	85	1250	1	9	9
N-04082	27	5	MINEOLA	TNH	2	462	422	404525	733732	110	1020	2	5	6
N-04095	32	1-1	PLNVIEW	TOB	3	490	440	404636	732807	170	1200	2	5	7
N-04096	32	1-2	PLNVIEW	TOB	3	494	444	404639	732802	170	1200	2	5	7
N-04097	32	3-1	PLNVIEW	TOB	3	465	413	404631	732930	175	1200	2	8	7
N-04118	43	5	W HEMP	TOH	2	204	146	404129	733844	50	1200	2	5	9
N-04132	24	12-1	BALDWIN	TOH	2	619	569	403941	733642	40	1400	2	5	10
N-04133	19	8	LOC GRV	TOB	4	450	400	404805	733030	195	1200	2	1	7
N-04173	100	2	LK SUCC	TNH	2	255	225	404526	734150	120	1000	2	5	5
N-04206	5	3	CAR PL	TNH	3	355	305	404524	733612	110	1000	2	5	10
N-04215	100	1	ROS HTS	TNH	2	104	87	404633	733750	132	150	1	1	6
N-04223	34	5S	ELWR HL	TNH	8	325	275	404855	734034	150	700	1	5	5
N-04243	25	4T	LK SUCC	TNH	9	255	205	405060	733800	150	1050	1	4	7
N-04245	19	9	JERICHO	TOB	3	565	525	404738	733212	220	1200	2	5	8
N-04246	19	10	JERICHO	TOB	4	453	403	404802	733132	195	1200	2	6	6
N-04265	37	3	E HILLS	TNH	0	465	435	404755	733724	200	1200	2	5	6
N-04290	10	35A	FL PK	TOH	2	394	344	404122	734139	85	1250	2	9	9
N-04298A	18	15A	FL PK	TOH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	U.S. Elevation	Geo	Aquifer	Status	USGS Quad Sheet
N-04327	1	3	SRNGTWN	TNH	2	425	365	404621	733929	140	1000	2	9	5
N-04329	100	1	MSPQ PK	TOB	3	50	30	404013	732715	13	160	1	0	11
N-04334	100	1	W HEMP	TOH	2	161	89	404217	733830	65	800	2	5	9
N-04388	6	9	MANHSI	TNH	4	145	125	404652	734401	25	1250	2	9	5
N-04389	38	3	SNDS PT	TNH	4	275	150	405100	734050	120	500	2	5	5
N-04390	18	40	NO NHP	TOH	2	298	281	404514	734121	120	1400	2	9	9
N-04390A	18	40	NO NHP	TOH	2	105	84	404514	734124	120	1400	1	1	9
N-04393	24	10-1	V S	TOH	2	472	419	403929	734125	25	1400	2	5	9
N-04394	24	8-2	MLVRN	TOH	2	180	132	404001	734020	25	1400	2	3	9
N-04400	31	FLT2	OBAY CO	TOB	14	302	214	405154	732958	50	1200	2	5	7
N-04405	24	6-1	ATL BCH	TOH	7	1075	1005	403515	734110	10	1390	3	4	13
N-04410	100	1	G C EST	TOH	3	115	99	404414	733507	88	200	2	1	10
N-04411	24	14-1	LYNBRK	TOH	2	550	480	403920	734044	20	1390	2	4	9
N-04425	16	1R	HEMPSTD	TOH	2	365	325	404301	733714	60	1200	2	7	10
N-04447	7	4	E MEAD	TOH	3	330	280	404311	733327	85	1200	2	8	10
N-04448	7	5	E MEAD	TOH	3	550	500	404306	733329	85	1200	2	5	10
N-04450	20	9	LEVITT	TOH	3	466	415	404323	733146	85	1200	2	5	10
N-04451	20	10	LEVITT	TOH	3	403	353	404429	733055	110	1200	2	9	10
N-04461	29	30	WANTAGH	TOH	3	174	107	404051	732948	20	1700	2	1	11
N-04462	100	1	GLN HD	TOB	4	181	149	405010	733849	69	500	2	0	5
N-04512	18	34	NO V S	TOH	2	504	454	404100	734122	40	1700	2	5	9
N-04602	26	1	MSPQ PK	TOB	3	444	382	404154	732618	40	1400	2	5	11
N-04603	26	2	MSPQ PK	TOB	3	164	113	404154	732618	40	1400	2	1	11
N-04623	37	4	ROS EST	TNH	0	498	448	404722	733948	260	1200	2	5	5
N-04633	100	1	JERICHO	TOB	3	218	163	404721	733322	176	1000	2	1	6
N-04708	100	12	BTHPG	TOB	3	169	149	404524	732956	122	400	2	1	11
N-04756	41	1	UNDALE	TOH	2	903	245	404208	733452	55	1100	2	5	10
N-04756A	41	1	UNDALE	TOH	2	307	245	404207	733455	55	1100	2	1	10
N-04757	41	2	UNDALE	TOH	2	628	529	404210	733454	55	1200	2	5	10
N-04757A	41	2	UNDALE	TOH	2	319	267	404209	733455	55	1100	2	1	10
N-04758	41	3	UNDALE	TOH	2	625	550	404209	733448	55	1200	2	5	10
N-04758A	41	3	UNDALE	TOH	2	441	363	404209	733450	55	1100	2	1	10
N-04759	41	4	UNDALE	TOH	2	527	539	404206	733418	55	1200	2	5	10
N-04759A	41	4	UNDALE	TOH	2	355	283	404206	733446	55	1100	2	1	10
N-04760	70	1	E NORW	TOB	4	247	215	405108	733120	220	500	1	2	6
N-04772	100	1	MINEOLA	TNH	2	232	192	404440	733737	110	45	2	1	10
N-04859	34	SH3	BAX EST	TNH	0	385	355	405010	734142	20	350	1	2	5
N-04860	34	SH1	BAX EST	TNH	0	89	60	405011	734147	20	550	1	5	5
N-05007	42	10	WSTBY	TNH	3	494	428	404552	733420	120	1350	2	5	6
N-05071	100	1	GLN CV	TOB	5	242	210	405218	733625	143	500	2	0	6
N-05099	25	1	THOMSIN	TNH	11	393	345	404647	734235	175	1050	2	4	5
N-05121	24	15-1	LYNBRK	TOH	2	542	481	403956	734104	20	1390	2	5	9
N-05129	66	3	WANTAGH	TOH	11	965	895	403606	733030	9	1200	2	5	15
N-05145	24	7-3	V S	TOH	2	460	405	404034	734311	30	1400	2	2	9
N-05147	40	2-1	MSPQ E	TOB	3	219	165	405214	732620	40	1200	2	5	7
N-05148	40	1-3	PLNEDGE	TOB	3	369	298	404311	732747	60	1200	2	5	11
N-05152	22	7	LATHRIN	TOB	4	355	305	405325	733514	45	1100	3	5	2
N-05153	24	12-2	BALDWIN	TOH	2	323	268	403942	733644	26	1390	2	4	10
N-05155	18	44	ELMONT	TOH	2	90	70	404237	734204	75	1200	1	4	9
N-05156	18	44A	ELMONT	TOH	2	331	291	404239	734202	75	1400	2	9	9
N-05163	12	12	GDN CTY	TOH	2	475	425	404402	733859	85	1400	2	3	9
N-05187	24	16-1	RSVLT	TOH	2	495	445	404001	734120	15	1400	2	5	10
N-05193	35	7	RVC	TOH	2	550	490	403932	733620	20	1200	2	5	9
N-05194	35	8	RVC	TOH	2	515	455	403924	733922	15	1200	2	3	9
N-05195	35	9	RVC	TOH	2	505	444	403924	733919	15	1200	2	5	9
N-05195A	35	9	RVC	TOH	2	335	305	403921	733916	15	1200	2	1	9
N-05201	19	11	ROS HPK	TOB	4	504	434	404[illegible]	73[illegible]	60	1200	1	2	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	Elevation	Cap	Aquifer	Status	Quad sheet
N-05259	29	2N	NO BLMR	TOH	3	308	241	404119	733227	40	2100	2	1	10
N-05260	43	6	W HEMP	TOH	2	514	452	404135	733817	60	1200	2	5	9
N-05281	20	25	GLN CV	TOH	5	230	129	405233	733722	110	1400	1	9	6
N-05301	20	11	LEVITT	TOH	3	377	334	404427	733150	105	1200	2	8	10
N-05302	20	12	LEVITT	TOH	3	404	431	404246	733143	65	1200	2	5	10
N-05303	20	13	NO WTGH	TOH	3	508	454	404253	733006	65	1200	2	3	11
N-05303A	20	13	NO WTGH	TOH	3	512	454	404257	733006	65	1200	2	1	11
N-05304	20	14	LEVITT	TOH	3	467	415	404225	733043	60	1200	2	2	10
N-05305	100	13	BTHPG	TOB	3	187	115	404523	732915	129	800	2	1	11
N-05306	100	15	BTHPG	TOB	3	256	173	404524	732949	129	800	2	1	11
N-05308	23	11	LNG BCH	TOH	7	1220	1160	403520	733829	10	1250	3	2	13
N-05318	7	6	UNDALE	TOH	3	633	581	404155	733450	55	1200	2	5	10
N-05318A	7	6	UNDALE	TOH	3	310	260	404159	733450	55	1200	2	1	10
N-05319	7	7	UNDALE	TOH	3	438	388	404155	733449	55	1200	2	2	10
N-05320	7	8	UNDALE	TOH	3	643	593	404155	733448	55	1200	2	5	10
N-05320A	7	8	UNDALE	TOH	3	379	319	404159	733450	55	1200	2	1	10
N-05321	7	9	E MEAD	TOH	3	509	449	404245	733202	65	1200	2	5	10
N-05322	7	10	E MEAD	TOH	3	510	470	404243	733158	65	1200	2	5	10
N-05334	100	1	INWOOD	TOH	1	117	21	403712	734503	18	500	6	0	13
N-05336	17	2-2	HKSVL	TOB	3	523	472	404441	733207	120	1200	2	9	10
N-05441	100	1	STW NWR	TOH	2	86	76	404320	734106	84	50	1	0	9
N-05450	100	1	ROS HBR	TNH	4	80	58	404922	733814	57	500	1	0	5
N-05457	100	1	HEMPSTD	TOH	2	52	46	404232	733605	70	40	1	0	10
N-05484	36	1	G C EST	TOH	2	575	503	404419	733843	90	1400	2	2	10
N-05484A	36	1	G C EST	TOH	2	287	101	404420	733643	90	1200	2	1	10
N-05485	36	2	G C EST	TOH	2	557	475	404424	733653	92	1400	2	0	10
N-05485A	36	2	G C EST	TOH	2	278	92	404423	733655	92	1500	2	1	10
N-05486	36	3	G C EST	TOH	2	556	450	404415	733653	87	1400	2	1	10
N-05486A	36	3	G C EST	TOH	2	263	92	404415	733655	87	1200	2	1	10
N-05507	100	1	G C EST	TOH	3	330	107	404413	733647	92	1200	2	4	10
N-05528	25	6T	NO HLS	TNH	4	490	430	404728	734005	260	1050	2	9	5
N-05535	100	1	NO HLS	TNH	2	390	330	404618	734141	250	500	2	0	5
N-05589	100	1	HEWLETT	TOH	2	70	69	403022	734140	20	44	1	0	9
N-05596	27	6	MINEOLA	TNH	2	468	403	404453	733725	100	1200	2	5	10
N-05603	13	6	HERRCKS	TNH	2	415	365	404517	734023	110	1200	2	7	9
N-05653	24	18-1	SO HEMP	TOH	2	581	529	404108	733718	50	1400	2	9	10
N-05654	42	11	WSTBY	TNH	3	538	275	404451	733526	100	1050	2	5	10
N-05654A	42	11	WSTBY	TNH	3	335	275	404453	733526	100	1050	2	1	10
N-05655	42	12	NEW CSL	TNH	3	255	205	404541	733335	130	1050	2	5	6
N-05656	24	17-1	LAKVW	TOH	2	495	445	403948	733929	20	1390	2	5	9
N-05663	100	1	HKSVL	TOB	3	99	89	404540	733100	140	160	1	0	6
N-05672	61	1	LOC VLY	TOB	4	121	101	405259	733413	25	250	1	9	7
N-05695	11	7	FRPT	TOH	6	526	466	403923	733543	20	1500	2	5	10
N-05696	11	8	FRPT	TOH	6	518	468	403945	733415	20	1500	2	5	10
N-05703	26	3	MSPQ FK	TOB	3	459	384	404154	732618	40	1400	2	5	11
N-05705	100	2	O BTHPG	TOB	3	492	450	404542	732653	145	500	2	2	7
N-05708	100	2	E HILLS	TNH	4	243	212	404824	733806	210	250	2	0	5
N-05710	25	6	NO HLS	TNH	2	385	325	404559	734149	160	1400	1	7	5
N-05725	100	1	GLN CTY	TOH	2	56	46	404348	733649	79	250	1	5	10
N-05762	28	R	GLN CV	TOB	5	280	221	405129	733615	145	1400	2	5	6
N-05767	29	4D	WANTAGH	TOH	3	306	305	404054	732949	20	2100	2	5	11
N-05792	39	GH	GLN HD	TOB	4	205	255	405014	733736	120	1050	2	5	6
N-05848	29	5M	MERR E	TOB	1	335	204	404057	732601	25	1400	2	1	11
N-05851	100	3	O WSTBY	TNH	4	177	171	404703	733449	210	8	2	1	8
N-05852	37	5	E HILLS	TNH	0	402	432	404900	733746	190	1200	2	5	6
N-05876	34	R7	FLWR HL	TNH	8	238	166	404858	734115	125	500	2	5	5
N-05884	6	10	GT NK	TNH	12	163	92	404756	734258	20	1250	2	5	5
N-05947	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	9	[illegible]

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	U.S. Elevation	Cap	Aquifer	Status	USGS Quad Sheet
N-06003	100	1	G N EST	TNH	9	94	79	404711	734455	10	100	1	0	5
N-06018	100	1	[illegible]	TNH	2	91	85	404514	734119	0	44	0	4	9
N-06042	46	1	MILL NK	TOB	4	340	328	405400	733319	20	60	3	2	2
N-06045	100	6	G C EST	TOH	3	320	277	404612	733656	97	870	2	4	10
N-06046	36	4	G C EST	TOH	2	175	145	404416	733560	101	570	2	8	10
N-06076	32	4-1	PLNVIEW	TOB	3	358	298	404650	732911	160	1200	2	8	7
N-06077	32	4-2	PLNVIEW	TOB	3	460	398	404649	732910	160	1200	2	5	7
N-06078	3	9	BTHFG	TOH	3	275	225	404537	732868	125	1400	2	8	7
N-06087	34	SH2	BAX EST	TNH	8	92	67	405010	734144	20	500	1	5	5
N-06092	19	12	WEBBY	TOB	4	631	561	404908	732751	260	1200	2	5	7
N-06093	19	13	WEBBY	TOB	4	606	546	404908	732751	260	1200	2	5	7
N-06119	100	1	SRNGTWN	TNH	2	181	156	404609	733929	124	350	2	0	5
N-06146	24	19-1	LAKVW	TOH	2	493	448	404005	733916	20	1400	2	5	9
N-06148	40	4-1	NO MSPQ	TOB	3	561	462	404216	732734	45	1200	2	5	11
N-06149	40	2-2	MSPQ E	TOB	3	640	585	404212	732621	40	1200	2	5	11
N-06150	40	3-1	MSPQ E	TOB	3	607	565	404245	732901	60	1400	2	5	11
N-06190	17	7-1	HKSVL	TOB	3	600	550	404707	733053	175	1200	2	1	6
N-06191	17	7-2	HKSVL	TOB	3	550	489	404707	733049	175	1200	2	8	5
N-06192	17	8-1	HKSVL	TOB	3	626	575	404517	733102	135	1400	2	9	10
N-06193	17	8-2	HKSVL	TOB	3	467	396	404517	733105	135	1400	2	8	10
N-06202	100	1	NEW CSL	TNH	3	265	237	404550	733306	132	200	2	1	6
N-06239	100	1	LOG VLY	TOB	4	219	122	405122	733517	162	500	1	0	6
N-06297	100	1	MINEOLA	TNH	2	92	72	404437	733626	109	200	1	1	9
N-06302	100	2	RVC	TOH	2	61	51	404049	733749	39	200	1	5	10
N-06315	5	4	CAR PL	TNH	3	348	298	404525	733626	110	1200	2	5	6
N-06320	100	1	MINEOLA	TNH	2	76	67	404443	733859	100	44	1	0	9
N-06376	100		PLNVIEW	TOB	3	240	199	404637	732702	190	200	1	1	7
N-06413	100	1	LEVITT	TOH	3	51	41	404216	733020	53	150	1	0	11
N-06417	100	1	LEVITT	TOH	3	60	49	404347	733126	91	105	1	0	10
N-06439	100	1	LEVITT	TOH	3	59	54	404308	733034	70	45	1	0	10
N-06442	26	4	MASPQA	TOB	3	612	524	404123	732850	40	1400	2	3	11
N-06443	26	5	MASPQA	TOB	3	240	190	404123	732850	40	1400	2	3	11
N-06450	23	12	LNG BCH	TOH	7	1275	1215	403533	734011	5	1250	3	5	13
N-06455	100	1	V S	TOH	2	84	80	403944	734245	10	12	1	0	9
N-06502	100	1	GDN CTY	TOH	2	90	69	404357	733905	97	500	1	0	9
N-06521	100	1	NO MSPQ	TOB	3	35	29	404202	732826	50	45	1	0	11
N-06530	100	1	GDN CTY	TOH	2	56	45	404319	733753	81	200	1	0	10
N-06531	100	1	HKSVL	TOB	3	174	161	404712	733057	178	40	1	0	6
N-06579	100	1	GLN CV	TOB	5	146	130	405110	733725	60	44	2	0	6
N-06580	32	3-2	PLNVIEW	TOB	3	596	523	404630	732910	175	1200	2	5	7
N-06610	100	1	LAWRENC	TOH	2	230	199	403642	734312	9	500	2	0	11
N-06620	100	1	HKSVL	TOB	3	87	82	404508	733015	120	18	2	0	11
N-06644	9	2-2	FRNGDL	TOB	3	222	175	404409	732713	120	1400	2	5	11
N-06651	19	14	JERICHO	TOB	4	610	560	404757	733156	260	1200	2	5	6
N-06657	74	2	WANTAGH	TOB	3	296	271	403637	732552	10	150	2	5	15
N-06692	100	1	BRDS PT	TNH	4	320	0	405123	734126	112	60	3	1	5
N-06741	100	2	LOC GRV	TOB	3	423	373	404755	733053	191	1000	2	0	6
N-06744	18	44B	ELMONT	TOH	2	94	74	404238	734205	75	1200	1	4	9
N-06745	18	44C	ELMONT	TOH	2	344	304	404311	733025	75	1400	2	9	11
N-06768	50	1	O BAY	TOH	1	175	163	405203	733311	208	80	1	2	6
N-06769	100	2	WOODBGH	TOH	2	37	26	403712	734257	16	350	1	0	11
N-06780	100	1	HTPQ PK	TOH	1	41	35	403927	732624	8	250	1	0	11
N-06806	100	1	O BKVL	TOB	4	323	287	405028	734125	156	550	2	0	6
N-06817	35	10	RVC	TOH	2	550	500	403931	733917	20	1200	2	5	9
N-06819	42	12A	NEW CSL	TNH	3	265	215	404537	733335	110	1050	[illegible]	5	6
N-06841	100	1	G [illegible]	TOH	[illegible]	317	311	404640	733610	100	252	2	1	10
N-06842	100	2	G C EST	TOH	1	150	143	404642	733610	100	160	2	4	10
[illegible]	100	1	[illegible]	TOH		100	91	[illegible]	[illegible]	[illegible]	[illegible]		0	10

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	Elevation	[illegible]	[illegible]	[illegible]	[illegible]	Grid Sheet
N-06866	26	6	MASPQA	TOB	3	626	566	404041	732816	20	1400	2	5		11
N-06867	26	7	MASPQA	TOB	3	492	414	404043	732836	20	1400	2	5		11
N-06893	24	1-17	RSVLT	TOH	2	560	500	404046	733545	40	1400	2	5		10
N-06905	100	1	GDN CTY	TOH	2	78	56	404256	733954	70	500	1	0		9
N-06915	3	10	BTHPG	TOB	3	608	558	404810	[illegible]	85	1400	2	5		11
N-06915A	3	10	BTHPG	TOB	3	475	422	404803	[illegible]	85	1400	2	1		11
N-06916	3	11	BTHPG	TOB	3	611	563	404600	732832	85	1400	2	5		11
N-06945	13	7	SRNGTWN	TNH	2	401	351	404547	734011	165	1200	2	5		5
N-06949	100	2	GDN CTY	TOH	2	51	46	404251	[illegible]	70	75	1	5		10
N-06953	47	1	LRL HLW	TOB	4	151	145	405143	[illegible]	00	44	2	5		7
N-06956	32	5-1	PLNVIEW	TOB	3	597	516	404557	[illegible]	100	1400	2	5		7
N-06985	100	1	HEW HAR	TOH	2	137	121	404802	734041	12	500	6	0		9
N-06985	100	1	SEAFORD	TOH	3	46	36	404108	732911	15	40	1	0		11
N-06994	100	1	G C EST	TOH	3	270	250	404410	733617	80	350	2	4		10
N-07000	100	1	LAWRENC	TOH	1	110	99	403620	734418	9	100	6	0		11
N-07006	100	1	V S	TOH	2	30	25	403934	734109	15	44	1	0		9
N-07022	100	1	UNDALE	TOH	2	60	55	404153	734500	50	55	1	0		10
N-07030	19	15	JERICHO	TOB	4	930	480	404835	733310	160	1200	2	9		6
N-07034	100	1	MUTNTWN	TOB	3	232	201	404917	733039	210	1000	1	1		6
N-07045	100	2	O WSTBY	TNH	4	151	136	404727	733426	261	40	2			6
N-07047	50	2	O BAY	TOB	3	266	212	405156	733327	105	500	2	2		6
N-07052	100	1	SYOSSET	TOB	3	254	234	404839	733010	220	530	2	0		7
N-07053	100	1	NO HLS	TNH	2	206	246	404625	734057	200	500	2	0		[illegible]
N-07058	12	13	GDN CTY	TOH	2	440	380	404319	734000	80	1400	2	9		9
N-07076	20	5A	LEVITT	TOH	3	674	569	404339	733044	90	1200	2	5		10
N-07087	100	1	GT NK	TNH	9	203	172	404607	734342	100	300	2	5		5
N-07101	100	1	PLNVIEW	TOB	3	100	90	404630	732848	161	45	2	0		7
N-07104	37	6	E HILLS	TNH	0	431	361	404812	733722	170	1200	2	5		6
N-07114	100	1	OCNSIDE	TOH	2	200	138	403755	733748	11	500	2	0		10
N-07115	100	1	MUTNTWN	TOB	4	274	234	405031	733314	205	700	2	0		6
N-07117	10	4	FR SQ	TOH	2	486	426	404213	734058	60	1400	2	5		9
N-07126	25	1T	NO HLS	TNH	4	458	378	404631	734007	210	1400	2	5		5
N-07133	100	2	HEW HAR	TOH	2	150	134	403759	734122	0	500	6	0		9
N-07157	38	4	SNDS PT	TNH	4	240	135	405050	734111	120	500	2	5		5
N-07174	100	1	UNDALE	TOH	2	67	57	404317	733641	20	150	1	2		10
N-07218	100	1	GT NK	TNH	11	117	107	404745	734247	15	45	1	0		5
N-07280	100	2	GLN CV	TOB	5	193	173	405216	733718	160	100	2	5		6
N-07299	100	1	E MEAD	TOH	3	37	30	404230	733247	60	45	1	1		10
N-07298	16	8	HEMPSTD	TOH	2	446	396	404305	733712	60	1000	2	5		10
N-07327	100	1	LYNBRK	TOH	2	56	46	403935	734050	30	75	1	0		9
N-07353	42	14	NEW CEL	TNH	3	290	200	404555	734611	120	1400	2	5		6
N-07362	100	1	UNDALE	TOH	2	50	48	404235	733505	62	100	1	0		10
N-07377	40	1-4	PLNEDGE	TOB	3	750	607	404312	732748	60	1400	2	3		11
N-07397	101	U6A	O BTHPG	TOB	3	101	96	404544	732656	154	0	1	5		7
N-07407	29	11J	MERRICK	TOH	3	665	479	404002	733332	25	2100	2	9		10
N-07408	100	1	S FNGDL	TOB	3	36	30	404203	732557	40	25	1	0		11
N-07414	29	6M	MERW E	TOB	3	530	378	404056	732611	25	2100	2	5		11
N-07420	100	1	WOBRY	TOB	3	265	250	404803	732806	283	100	2	1		7
N-07421	32	5-2	PLNVIEW	TOB	3	559	482	404557	732705	190	1400	2	5		7
N-07427	100	1	GLN CV	TOB	5	161	120	405102	733715	50	750	1	5		6
N-07433	100	1	RSVLT	TOH	2	92	73	403955	733616	11	100	1	5		10
N-07438	62	4	FRNGDL	TOB	3	555	486	404426	732717	120	127	2	4		11
N-07439	100	1	GLN CV	TOB	5	215	206	405259	733750	20	40	1	4		1
N-07445	18	40A	NO MIP	TOH	2	468	388	404513	734126	120	1200	2	5		9
N-07446	19	16	BKVL	TOB	4	491	443	404648	733661	100	1200	2	4		6
N-07450	101	H6A	O WSTBY	TOB	3	136	129	404855	733000	120	0	1	6		6
N-07464	100	1	MASPQA	TOB	3	35	19	404039	732559	11	250	1	0		11
N-07465	100	2	MASPQA	TOB	3	35	19	404029	732601	0	250	1	0		11
N-07482	10	25A	NO V S	TOH	2	415	395	404109	734129	60	1200	2	5		9

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
N-07500	63	6	E MEAD	TCH	3	450	405	404418	733454	[illegible]	1600	2	5	10		
N-07512	13	0	HERRCKS	TNH	2	375	325	404536	734101	[illegible]	1200	2	5	[illegible]		
N-07513	30	2A	O WSTBY	TNH	4	470	420	404652	733720	170	1200	2	5	7		
N-07515	40	5-1	S FMGDL	TCB	3	347	289	404337	732711	65	1400	2	4	11		
N-07516	40	5-2	S FMGDL	TCB	3	534	494	404337	732711	65	1400	2	5	11		
N-07518	100	18	BTHPG	TCB	3	375	314	404529	732916	111	1200	2	5	7		
N-07521	24	17-2	LAKVW	TCH	2	555	445	403[illegible]	733929	20	1400	2	5	9		
N-07522	24	19-2	LAKVW	TCH	2	555	495	404004	733919	20	1400	2	5	9		
N-07523	20	0A	LEVITT	TCH	3	604	590	404311	733075	75	1200	2	5	11		
N-07526	32	2-1	PLNVIEW	TCB	3	688	570	404703	732801	260	1400	2	5	7		
N-07529	100	1	HEMPSTD	TCH	2	62	44	404157	733915	45	600	1	0	9		
N-07534	100	6	BTHPG	TCB	3	366	280	404506	733009	120	1200	2	5	11		
N-07535	100	8	BTHPG	TCB	3	337	281	404518	732956	125	1200	2	5	11		
N-07536	100	9	BTHPG	TCB	3	436	375	404518	732949	125	1200	2	5	11		
N-07548	24	20-1	V S	TCH	2	511	461	404010	734253	20	1400	2	5	9		
N-07549	30	4	O WSTBY	TNH	4	499	444	404730	733512	195	1200	2	5	1		
N-07551	34	MP8	NO HLS	TNH	8	469	375	404657	733957	170	1400	2	5	5		
N-07552	34	MP9	NO HLS	TNH	8	454	360	404650	733953	160	1400	2	9	5		
N-07560	100	1	N H P	TNH	2	242	221	404512	734220	150	310	2	0	5		
N-07561	17	5-2	HKSVL	TCB	3	550	463	404455	733249	115	1400	2	9	10		
N-07562	17	1-4	HKSVL	TCB	3	545	450	404639	733111	165	1400	2	9	6		
N-07569	100	1	E ROKWY	TNH	2	35	30	402853	733925	10	45	1	0	9		
N-07593	19	17	LRL HLW	TCB	4	468	408	404531	734154	215	1200	[illegible]	5	5		
N-07613	100	1	KNGS PT	TNH	4	235	221	404014	734510	36	75	3	0	5		
N-07614	100	3	GLN CV	TCB	5	393	351	405151	733819	32	500	3	0	5		
N-07620	2	1-1	BAYVL	TCB	4	460	412	405140	733958	120	1000	3	5	6		
N-07632	100	1	MERRICK	TCH	3	65	60	404026	733359	25	100	2	0	10		
N-07635	100	5	BTHPG	TCB	3	394	314	404500	733004	120	1200	2	5	11		
N-07636	100	10	BTHPG	TCB	3	373	312	404517	732963	125	1200	2	5	11		
N-07637	100	11	BTHPG	TCB	3	490	429	404516	732935	126	1200	2	5	11		
N-07643	2	1-2	BAYVL	TCB	4	218	159	405424	733400	120	1000	1	7	[illegible]		
N-07649	18	57	N H P	TNH	2	205	165	404345	734120	95	1200	2	7	9		
N-07650	18	57A	N H P	TCH	2	440	400	404345	734110	95	1200	2	7	9		
N-07651	25	23	NO HLS	TNH	4	405	321	404611	734010	160	1400	2	9	5		
N-07664	100	2	ROS HBR	TNH	4	79	58	404910	731812	53	500	1	0	[illegible]		
N-07665	22	8	MATINCK	TCB	4	370	320	405204	733454	220	1200	2	5	6		
N-07719	100	1	BAYVL	TCB	4	400	398	405452	733439	10	10	1	0	2		
N-07720	43	7	W HLMP	TCH	2	506	435	404236	733954	70	1400	2	5	9		
N-07729	100	1	LRL HLW	TCB	4	356	348	405102	732821	260	18	2	0	7		
N-07732	100	1	NEW CSL	TNH	3	108	96	404517	735[illegible]	120	45	2	0	10		
N-07744	100	1	LR SQ	TCH	2	60	54	404234	734059	45	45	1	0	9		
N-07747	25	42	KENSGTN	TNH	11	138	117	404737	734235	20	1600	1	4	5		
N-07772	19	18	SYOSSET	TCB	4	563	503	405012	733055	240	1200	2	5	6		
N-07773	19	19	SYOSSET	TCB	4	560	500	405010	733059	240	1200	2	5	6		
N-07776	23	13	LNG BCH	TCH	7	1233	1183	403537	733920	5	1200	3	5	13		
N-07781	19	22	JERICHO	TCB	4	454	394	404751	733220	215	1200	2	4	6		
N-07785	42	7A	WSTBY	TNH	3	400	340	404526	733534	110	1400	2	5	9		
N-07796	11	1A	FRPT	TCH	6	585	525	403950	733610	20	1400	2	5	10		
N-07797	7	11	E MEAD	TCH	3	545	405	404310	733316	85	1450	2	5	10		
N-07799	100	1	GDN CTY	TCH	2	81	60	404319	734016	65	500	1	0	9		
N-07830	100	1	O BAY	TCB	4	197	166	405115	733257	110	600	2	0	5		
N-07831	24	22-1	BALDWIN	TCH	2	585	515	404027	733711	60	1400	2	5	10		
N-07834	65	2	SEA CLF	TCB	4	202	171	405043	733716	[illegible]	500	2	5	6		
N-07847	100	3	RSVLT	TCH	2	40	36	403957	733420	15	15	1	5	10		
N-07849	100	1	MINEOLA	TNH	2	251	221	404421	733006	106	500	[illegible]	1	9		
N-07852	9	1-3	FRMGDL	TCB	3	450	400	404410	732616	70	1200	2	5	11		
N-07853	100	1	UNDALE	TCH	2	30	25	404345	733641	60	10	1	2	10		
N-07855	24	23-1	MLVRN	TCH	2	600	530	404062	734037	45	1600	2	5	9		
N-07856	100	1	E MEAD	TCH	3	70	50	404349	733331	90	45	1	0	10		

[redacted] Number	[redacted]	[redacted] Number	[redacted]	[redacted]	[redacted] District	[redacted] Depth	[redacted] Depth	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
N-07657	39	3C	SEA CLF	TOH	4	614	560	405059	733941	100	1300	1	5	5
N-07858	100	1	BKVL	TOB	3	375	310	404328	733320	215	1000	1	0	5
N-07873	37	7	E HILLS	TNH	2	530	470	404815	733039	220	1200	2	5	6
N-07892	25	3T	NO HLS	TNH	4	451	366	404651	734006	110	1400	2	6	5
N-07957	35	5	G C EST	TOH	2	519	433	404420	733[illegible]	85	1600	2	5	10
N-07997	100	1	BELMR	TOH	3	94	88	403901	733200	15	20	2	0	10
N-08004	3	5-1	BTHPG	TOB	3	740	679	405941	732063	90	1400	2	5	11
N-08007	42	15	WSTBY	TNH	3	564	490	404543	733[illegible]9	120	1400	2	5	6
N-08008	100	1	BELMR	TOH	3	385	384	403911	733200	11	140	2	0	10
N-08010	37	8	ROS EST	TNH	0	448	370	404739	733921	220	1200	2	5	5
N-08011	23	14	LNG BCH	TOH	7	1265	1205	403533	734011	[illegible]	1250	3	5	11
N-08021	100	1	COV NK	TOB	4	200	194	405241	733018	10	20	2	0	7
N-08026	100	1	N H P	TNH	2	119	111	404422	734000	105	22	1	0	9
N-08031	29	10	WANTAGH	TOH	3	509	388	404045	733116	20	2100	2	5	10
N-08038	100	1	LK SUCC	TNH	4	295	271	404545	734255	210	700	2	0	5
N-08039	100	1	HEMPSTD	TOH	2	55	44	404207	733653	95	40	1	0	10
N-08043	19	23	WOBRY	TOB	3	680	515	404757	732833	220	1200	2	2	7
N-08044	100	1	E WILL	TNH	2	94	88	404532	733812	110	45	1	0	5
N-08046	101		KNGS PT	TNH	4	189	184	404947	734503	12	0	1	6	5
N-08050	100	1	G C EST	TOH	3	328	300	404422	733700	91	225	2	4	10
N-08052	101		KNGS PT	TNH	4	94	89	404947	734502	11	0	1	6	5
N-08054	32	5-3	PLNVIEW	TOB	3	510	510	404557	732705	100	1400	2	4	7
N-08068	100	1	G C EST	TOH	3	291	265	404357	733641	10	500	2	5	10
N-08093	100	1	MINEOLA	TNH	2	90	77	404437	733807	105	45	1	1	9
N-08124	100	3	BTHPG	TOB	3	543	483	404500	732955	110	1200	2	5	11
N-08129	100	1	W HEMP	TOH	2	64	45	404224	733921	56	300	1	0	9
N-08138	100	1	FRNGDL	TOB	3	70	55	404226	732700	43	300	1	0	11
N-08153	100	1	NO BLMR	TOH	3	84	73	404036	733235	31	100	1	0	10
N-08154	100	2	BTHPG	TOB	3	520	424	404454	732954	120	1200	2	5	11
N-08162	100	1	BELMR	TOH	3	154	133	403900	733132	9	150	2	0	10
N-08171	100	1	MERRICK	TOH	3	378	341	403855	733337	9	360	2	0	10
N-08181	100	1	O WSTBY	TNH	3	240	210	404616	733545	141	150	2	0	6
N-08183	31	8-1	O BAY	TOB	14	482	101	405146	733136	80	1200	2	9	6
N-08195	24	24-1	LYNBRK	TOH	2	507	447	403934	734107	10	1400	2	5	7
N-08196	24	4-17	BALDWIN	TOH	2	620	560	403953	733617	20	1400	2	5	10
N-08214	28	8	MASPQA	TOB	3	686	605	404145	732618	40	1400	2	5	11
N-08216	35	11	RVC	TOH	2	600	600	404000	733710	32	1400	2	5	10
N-08217	35	12	RVC	TOH	2	503	483	404004	733710	32	1400	2	5	10
N-08218	35	13	RVC	TOH	2	460	400	404109	733747	40	1400	2	5	10
N-08221	100	1	KNGS PT	TNH	4	290	250	404922	734500	70	45	1	0	5
N-08224	100	2	GLN CV	TOB	5	155	106	405101	733715	50	1000	1	0	6
N-08228	100	1	W HEMP	TOH	2	89	51	404137	733945	68	100	1	0	9
N-08233	23	15	LNG BCH	TOH	7	1226	1176	403518	734020	10	1250	3	5	11
N-08246	100	1	SNDS PT	TNH	4	350	320	405121	734159	101	500	1	0	5
N-08248	44	4	WIL PK	TNH	2	400	315	404525	733825	115	1400	2	1	5
N-08249	17	1-5	HKSVL	TOB	3	490	400	404619	733111	165	1400	2	7	6
N-08250	24	18-2	SO HEMP	TOH	2	480	420	403956	734106	50	1400	2	5	9
N-08251	24	15-2	LYNBRK	TOH	2	495	430	403959	734105	20	1400	2	5	9
N-08253	29	12J	MERRICK	TOH	3	597	562	404002	733333	25	1250	2	5	10
N-08264	16	9	HEMPSTD	TOH	2	510	460	404149	733731	50	1500	2	5	10
N-08265	100	1	NO MRK	TOH	3	68	63	404110	733616	60	100	2	0	10
N-08279	20	7A	LEVITT	TOH	3	547	389	404309	733029	75	1500	2	5	11
N-08305	100	1	CAK PL	TNH	2	59	51	404457	733710	91	120	1	1	10
N-08313	38	5	SNDS PT	TNH	4	165	114	405108	734308	60	650	1	5	5
N-08321	20	2A	LEVITT	TOH	3	674	574	404401	733151	100	1200	2	5	10
N-08326	28	21	GLN CV	TOB	5	165	120	405116	733729	80	1400	2	7	6
N-08327	28	22	GLN CV	TOB	5	165	115	405113	733721	80	1400	2	1	6
N-08339	12	14	GLN CTY	TOH	2	356	308	404320	734011	100	1500	2	9	9
N-08342	6	11	GT NK	TNH	11	616	371	404650	734665	[illegible]	1050	1	4	[illegible]

[redacted] Number	[redacted]	[redacted] Number	[redacted]	[redacted]	[redacted] District	[redacted] Depth	[redacted] Depth	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted] Sheet Sheet
N-08343	100	3	GLN CV	TOB	5	420	380	405216	733721	160	650	1	0	6
N-08344	100	1	V S	TOH	2	58	33	403936	734117	10	45	1	0	1
N-08354	21	3	LID BCH	TOH	7	1270	1215	403522	733659	5	1200	1	5	14
N-08355	19	25	MUTNTWN	TOB	4	590	530	404017	733158	200	1400	2	5	6
N-08383	100	1	CTR ISL	TOB	4	105	99	405339	733127	10	15	1	0	2
N-08389	100	1	ELMONT	TOH	2	93	83	404417	734215	40	25	1	1	9
N-08409	13	9	G C PK	TNH	2	400	340	404520	733939	100	1200	2	8	1
N-08412	101	X41A	WANTAGH	TOH	3	28	23	404039	733012	20	0	1	0	10
N-08413	100	1	GT NK	TNH	11	133	123	404750	734753	100	45	2	5	5
N-08414	66	4	WANTAGH	TOH	10	1080	1005	403559	733027	9	1200	2	5	15
N-08420	24	9-1R	V S	TOH	2	420	350	404031	734165	10	1600	2	5	9
N-08423	100	1	WSTBY	TOH	3	98	81	404447	733519	90	150	2	5	10
N-08426	46	2	HILL NK	TOB	4	360	345	405400	733119	30	160	3	5	2
N-08430	101	PSA	E NORW	TOB	4	145	140	405009	733165	190	0	2	6	6
N-08432	100	1	GRNVL	TOB	3	250	220	404939	733525	165	450	2	0	6
N-08436	100	2	HKSVL	TOB	3	108	159	404712	733102	175	300	2	1	6
N-08454	100	13	BTHPG	TOB	3	560	499	404511	732950	139	1200	2	5	11
N-08457	5	5	CAR PL	TNH	3	435	375	404457	733607	100	1200	2	5	10
N-08458	100	1	G C EST	TOH	3	350	290	404422	733644	90	1200	2	4	10
N-08471	101	X38A	BELMR	TOH	3	18	13	403940	733222	5	0	1	1	10
N-08472	100	1	NEW CSL	TNH	3	195	177	404541	733309	125	30	2	0	6
N-08474	41	5	UNDALE	TOH	2	556	485	404325	733631	80	1450	2	5	10
N-08475	41	6	UNDALE	TOH	2	481	409	404125	733631	60	1450	2	5	10
N-08477	100	1	ROSLYN	TNH	4	710	660	404752	733953	100	250	3	0	5
N-08478	100	1	P WSH N	TNH	8	156	145	405041	734150	20	45	1	0	5
N-08480	29	35	NO WTGH	TOH	3	656	569	404228	732933	60	1550	2	5	11
N-08481	100	4	OCNSIDE	TOH	2	55	44	403756	733815	8	100	1	4	9
N-08482	100	6	OCNSIDE	TOH	2	80	69	403842	733808	17	100	2	4	9
N-08483	100	8	OCNSIDE	TOH	2	55	44	403756	733848	8	100	1	1	9
N-08487	100	1	WANTAGH	TOH	3	49	39	404124	733050	35	200	1	0	10
N-08497	42	16	NEW CSL	TNH	3	539	456	404519	733429	110	1400	2	5	10
N-08499	100	1	LK SUCC	TNH	2	270	160	404538	734127	160	1200	2	4	5
N-08512	100	1	HEMPSTD	TOH	2	52	40	404224	733715	60	125	1	1	10
N-08522	100	1	BTHPG	TOB	3	125	105	404338	732841	86	500	1	0	11
N-08525	17	3-2	HKSVL	TOB	3	501	432	404446	733057	115	1410	2	0	10
N-08526	17	4-2	HKSVL	TOB	3	601	520	404455	733203	120	1400	2	9	10
N-08530	100	1	GDN CTY	TOH	2	80	70	404414	733825	100	100	1	0	9
N-08531	100	2	GDN CTY	TOH	2	84	73	404414	733825	100	100	1	0	9
N-08534	100	2	LAWRENC	TOH	2	265	247	403557	734337	13	240	2	0	13
N-08542	100	2	MUTNTWN	TOB	4	125	294	405017	733116	175	700	2	1	6
N-08550	101	012A	LEVITT	TOH	3	65	61	404401	733220	102	9	1	6	10
N-08554	100	1	INWOOD	TOH	1	25	21	403847	734452	20	18	1	1	13
N-08557	23	16	LNG BCH	TOH	7	1253	1203	403520	734103	5	1250	1	5	13
N-08558	1	5	ALBTSN	TNH	2	410	350	404626	733829	165	1200	2	5	5
N-08564	100	2	LK SUCC	TNH	2	320	170	404618	734124	140	1200	2	6	5
N-08576	27	7	MINEOLA	TNH	2	505	445	404455	733753	110	1000	2	5	10
N-08585	101		N H P	TNH	2	107	102	404443	734064	109	0	1	5	9
N-08595	32	5-4	PLNVIEW	TOB	3	610	540	404557	732705	180	1350	2	4	7
N-08598	101	G14A	UNDALE	TOH	2	45	0	404239	733555	70	0	0	6	10
N-08601	100	1	WSTBY	TNH	3	340	319	404505	733654	100	150	2	0	10
N-08602	100	1	HKSVL	TOB	3	86	80	404536	733200	110	6	1	1	6
N-08603	29	7M	MSPQ E	TOB	3	891	802	404056	734611	25	2100	2	5	11
N-08622	100	1	WANTAGH	TOH	3	200	191	404017	733010	[illegible]	20	2	0	11
N-08623	100	2	N H P	TNH	2	96	86	404430	733939	100	69	1	0	9
N-08625	100	1	UNDALE	TOH	2	35	32	404352	733624	100	7	1	1	10
N-08627	100	7	OCNSIDE	TOH	2	84	73	403814	733751	9	250	1	0	10
N-08629	101	015	MSPQ E	TOB	3	183	170	403920	732534	3	0	1	6	11
N-08641	101	X122	ATL BCH	TOH	2	67	62	404613	733571	5	0	1	1	10
N-08643	100	14	BTHPG	TOB	3	467	416	404530	733017	125	1200	2	5	7

Number		Number															
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	101	019	LAWRENC	TOH	1	90	85	403553	734331	6	0	1	6	12			
N-08657	11	8	FRPT	TOH	6	635	565	403927	733550	20	1400	2	5	10			
N-08658	30	9	O WSTBY	TOB	4	610	550	404416	733429	300	1400	2	5	6			
N-08659	100	1	CAR PL	TNH	2	70	63	404448	733716	100	30	1	1	11			
N-08664	40	8-1	MASPQA	TOB	3	606	529	404221	732545	45	1400	2	5	11			
N-08665	40	8-2	MASPQA	TOB	3	578	508	404221	732545	45	1400	2	5	11			
N-08666	100	2	GDN CTY	TOH	3	67	43	404424	733656	91	150	1	6	10			
N-08668	100	1	O BTHPG	TOB	3	485	434	404540	732645	141	700	2	5	7			
N-08672	29	3J	NO WTGT	TOH	3	570	518	404130	733114	40	700	2	1	10			
N-08674	100	1	FRPT	TOH	6	24	20	403904	733407	5	16	1	1	10			
N-08681	100	1	MUTNTWN	TOH	4	370	317	405016	733244	200	50	2	0	[illegible]			
N-08682	100	1E	WSTBY	TOH	3	110	90	404440	733529	100	200	2	4	10			
N-08713	19	27	O BKVL	TOB	4	372	312	404919	733733	100	1400	2	5	6			
N-08714	100	2	WSTBY	TNH	3	282	272	404446	733516	90	200	2	5	10			
N-08753	100	2W	WSTBY	TOH	3	109	99	404440	733529	100	200	2	4	10			
N-08761	100	2	PT WASH	TNH	8	255	224	404343	734040	140	600	1	0	5			
N-08767	3	7	BTHPG	TOB	3	233	145	404532	732840	125	1400	2	1	7			
N-08767	3	7-A	BTHPG	TOB	3	840	579	404532	732840	125	1400	2	5	7			
N-08768	3	8	BTHPG	TOB	3	235	153	404533	732840	125	1400	2	1	7			
N-08768	3	8-A	BTHPG	TOB	3	678	605	404533	732840	125	1400	2	5	7			
N-08774	100	9	OCNSIDE	TOH	2	38	28	403911	733750	22	70	1	0	10			
N-08775	100	9	OCNSIDE	TOH	2	130	100	403778	733742	8	200	2	0	14			
N-08776	2	1-3	BAYVL	TOB	4	459	399	405427	733355	120	1000	3	5	[illegible]			
N-08778	17	9-1	HKSVL	TOB	3	590	529	404537	733046	140	1400	2	5	6			
N-08779	17	9-2	HKSVL	TOB	3	585	524	404537	733046	140	1400	2	5	6			
N-08789	101	T15A	MASPQA	TOB	3	30	25	404152	732730	40	0	1	6	11			
N-08790	100	1	PLANCHE	TNH	4	430	400	404858	734125	100	600	3	0	[illegible]			
N-08799	100	2	E WILL	TNH	2	221	190	404539	733741	111	600	2	0	6			
N-08807	100	1	HKSVL	TOB	3	140	109	404543	733242	110	[illegible]	2	1	6			
N-08808	100	1	UNDALE	TOH	2	87	55	404245	733453	60	45	1	0	10			
N-08816	100	15	BTHPG	TOB	3	500	449	404524	732949	[illegible]	1200	2	5	11			
N-08818	10	5	FR SQ	TOH	2	480	420	404213	734050	60	1200	2	9	[illegible]			
N-08830	100	1	HEMPSTD	TOH	2	84	44	404151	733756	39	850	1	0	10			
N-08836	100	1	V S	TOH	2	62	56	404037	734106	16	20	1	0	9			
N-08837	29	5D	WANTAGH	TOH	3	681	614	404052	732940	20	1200	2	5	11			
N-08842	100	1	BTHPG	TOB	3	570	519	404439	732956	111	1200	2	5	11			
N-08855	100	1	HEMPSTD	TOH	2	32	29	404216	733739	55	10	1	0	10			
N-08875	101	X120	MASPQA	TOB	3	37	32	403927	732740	5	0	1	6	11			
N-08876	101	X128	MASPQA	TOB	3	35	30	403925	732611	5	0	1	6	11			
N-08877	101	X129	MANIST	TNH	4	76	71	404710	734231	12	0	1	6	5			
N-08879	101	X130	PLUM MR	TNH	4	63	50	404653	734210	10	0	1	6	[illegible]			
N-08880	100	1	HKSVL	TOB	3	247	221	404535	733244	122	900	2	0	6			
N-08881	100	3	RVC	TOH	2	71	51	404029	733745	38	325	1	5	10			
N-08882	100	4	RVC	TOH	2	61	41	404015	733734	19	325	1	5	10			
N-08885	100	2	O WSTBY	TNH	3	290	257	404745	733616	196	750	2	0	6			
N-08887	100	1	SEA CLF	TOB	4	130	105	405050	733011	65	240	1	0	5			
N-08888	101	P8A	HKSVL	TOB	3	111	106	404702	733056	175	0	1	6	6			
N-08891	101	X132	SNDS PT	TNH	4	72	67	405055	734307	80	0	1	6	5			
N-08896	100	1	V S	TOH	2	88	68	404041	734411	11	300	1	5	9			
N-08941	3	6-2	PLNEDGE	TOB	3	770	700	404354	732912	90	1400	2	5	11			
N-08956	4	1	BOWL GR	TOH	3	530	470	404509	733334	120	1400	2	5	10			
N-08957	4	2	BOWL GR	TOH	3	584	524	404509	733334	120	1400	2	[illegible]	10			
N-08958	101	X140	UNDALE	TOH	2	35	30	404304	[illegible]	27	0	1	6	10			
N-08961	100	1	CDAY CO	TOB	4	143	138	405200	733000	0	18	1	0	7			
N-08969	100	1	HEMPSTD	TOH	2	33	30	404235	[illegible]	60	7	1	0	10			
N-08971	101	X-144		TOH	0	38	33	404344	733543	0	0	1	6	10			
N-08976	29	3N	NO PLMR	TOH	3	700	619	404119	733211	60	2100	2	5	10			
N-08979	24	24-2	LYNBRK	TOH	2	415	375	403934	734107	22	1400	2	5	[illegible]			
N-08984	101	1110A	BOWL GR	TOH	3	60	43	404453	[illegible]	106	0	1	1	10			

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N-08994	100	0000	SNDS PT	TNH	4	308	296	405153	734206	20	0	3	[illegible]	5
N-08998	100	1	V S	TOH	2	42	34	404011	734201	20	60	1	0	9
N-09005	106	2	PT WASH	TNH	4	45	40	404900	733959	170	0	1	2	5
N-09006	106	1	PT WASH	TNH	4	85	80	404900	733959	170	0	1	2	5
N-09007	106	4	PT WASH	TNH	4	95	85	404902	734010	170	0	1	1	5
N-09008	106	3	PT WASH	TNH	4	180	170	404902	734010	170	0	2	1	5
N-09018	100	1	HKSVL	TOB	3	405	380	404400	733134	141	120	2	0	6
N-09019	106	5	PT WASH	TNH	4	411	309	404653	733959	170	45	1	5	5
N-09020	100	1	E MEAD	TOH	3	72	52	404334	733311	91	800	1	0	10
N-09021	100	1	E MEAD	TOH	3	74	54	404334	733310	91	800	1	0	10
N-09023	70	2	E NOAW	TOB	4	247	217	405106	733120	215	700	1	2	1
N-09029	100	1	FRMGDL	TOB	3	69	64	404355	732720	70	40	1	0	11
N-09030	100	1	UNDALE	TOH	2	63	43	404326	731527	82	800	1	0	10
N-09054	101	X95A	BALDWIN	TOH	2	40	35	403822	733631	16	0	1	6	10
N-09057	101	H13A	E MEAD	TOH	3	47	42	404242	733421	70	0	1	6	10
N-09059	101	O7A	BKVL	TOB	3	175	170	406032	733312	220	0	2	6	6
N-09068	72	1	COV NK	TOB	4	170	160	405306	733000	140	25	1	2	3
N-09072	100	2	MINEOLA	TNH	2	84	65	404437	733826	109	200	1	0	9
N-09073	100	1	MILL NK	TOB	4	134	129	405221	733124	130	20	2	0	6
N-09076	72	1R	COV NK	TOU	4	200	189	405307	733002	110	75	1	5	3
N-09077	101	G14A	NO BLMR	TOH	3	52	47	404240	731158	69	0	1	6	10
N-09078	101	H12A	E MEAD	TOH	3	65	60	404334	733422	94	0	1	6	10
N-09079	101	P10A	HKSVL	TOB	3	70	65	404504	733020	119	0	1	6	11
N-09087	101	O5A	UPBRKVL	TOB	3	111	106	405019	733355	157	0	1	6	6
N-09088	101	X93A	BTHPG	TOB	3	68	63	404413	732823	78	0	1	6	11
N-09089	101	T7A	PLNVIEW	TOB	3	178	173	404740	732857	171	0	2	6	7
N-09098	101	X67A	GT NK	TNH	12	72	67	404828	734445	53	0	1	6	5
N-09099	101	X68A	GT NK	TNH	12	71	66	404757	734404	60	0	1	6	5
N-09100	101	G2A	GLN CV	TOU	5	70	65	405158	732751	54	0	1	6	6
N-09102	100	1	OCNSIDE	TOH	2	24	20	403915	733731	25	25	1	0	10
N-09106	100	1	FRMGDL	TOB	3	59	53	404356	732046	74	50	1	0	11
N-09115	101	H4A	GLN CV	TOB	4	110	105	405113	733611	145	0	1	6	6
N-09116	101	E1A	SNDS PT	TNH	4	31	26	405131	734058	15	0	1	6	5
N-09117	101	H5A	O BKVL	TOB	4	73	68	405011	733559	112	0	1	6	6
N-09118	101	X133A	SNDS PT	TNH	4	100	95	405144	734129	50	0	1	0	5
N-09127	101	P1B	BAYVL	TOU	4	41	36	405416	731257	9	0	1	6	2
N-09151	18	15A	ELMONT	TOH	2	420	380	404224	734238	60	1200	2	5	9
N-09152	101	U1A	LFL HLW	TOB	4	58	53	405126	732756	40	0	1	6	7
N-09154	101	T3A	OBAY CO	TOB	4	66	61	405158	733001	74	0	1	6	7
N-09168	101	H8A	O WSTBY	TNH	3	217	212	404630	733454	169	0	2	6	6
N-09173	26	2R	MASPQA	TOB	3	850	810	404154	732620	40	2100	2	5	11
N-09180	17	8-3	HKSVL	TOB	3	630	545	404517	733102	135	1400	2	9	10
N-09188	101	D1A	MANHST	TNH	4	80	75	404651	734215	45	0	1	6	5
N-09189	101	F3A	O BAY	TOB	14	42	37	405148	733202	59	0	1	6	6
N-09190	101	G8A	O WSTBY	TNH	3	133	128	404703	733702	156	0	1	6	6
N-09191	101	G9A	O WSTBY	TNH	3	135	130	404619	733645	176	0	1	6	6
N-09210	28	30	GLN CV	TOB	5	275	209	405202	733033	150	1400	2	5	9
N-09211	28	31	GLN CV	TOB	5	269	209	405205	733634	150	1400	2	5	6
N-09212	17	5-3	HKSVL	TOB	3	604	538	404453	733246	115	1400	2	5	10
N-09234	99				0	205	200	404430	733310	105	0	2	0	10
N-09235	99				0	105	100	404430	733310	105	0	2	0	10
N-09236	99				0	50	45	404430	733310	105	0	1	0	10
N-09239	99				0	205	200	404410	733332	99	0	2	0	10
N-09240	99				0	105	100	404410	733332	99	0	2	0	10
N-09241	99				0	45	40	404410	733332	99	0	1	0	10
N-09261	100	1	UNDALE	TOH	2	522	469	404200	733515	50	1000	2	5	10
N-09262	100	2	UNDALE	TOH	2	552	500	404203	733510	50	1000	2	5	10
N-09271	101	X-146	KINGS PT	TNH	4	89	84	404040	734515	67	0	1	6	4
N-09308	25	5R	KENSGTN	TNH	4	410	300	404735	734240	20	1400	1	[illegible]	5

[redacted] Number	[redacted]	[redacted] Number	[redacted]	[redacted]	[redacted] District	[redacted] Depth	[redacted] Depth	[redacted]	[redacted]	[redacted] Elevation	[redacted]	[redacted]	[redacted]	[redacted]
N-09310	100	1	GDN CTY	TOH	3	230	180	404410	733659	95	850	2	4	10
N-09311	100	1	GDN CTY	TOH	3	229	190	404410	733702	95	850	2	4	10
N-09313	101	F1AA	ROSLYN	TNH	0	98	93	404740	733857	60	0	1	6	5
N-09314	101	O2A	MILL NK	TOB	4	54	49	405350	733454	32	0	1	6	2
N-09316	101	T1A	COV NK	TOB	4	58	53	405326	733021	25	0	1	6	[illegible]
N-09317	101	P8A	MUTNTWN	TOB	3	194	189	404920	733134	217	0	2	6	6
N-09334	28	K	GLN CV	TOB	5	298	248	405100	733706	160	1200	2	9	6
N-09338	29	4S	NO WTGH	TOH	3	649	585	404928	732935	60	2100	2	5	11
N-09341	100	2	NEW COL	TNH	3	265	231	404550	733104	110	200	2	1	6
N-09353	101	G6A	BKVL	TOB	4	101	95	404934	731363	160	0	2	6	6
N-09354	101	H9A	WSTBY	TNH	3	89	84	404539	733501	110	0	2	6	6
N-09355	101	G13B	UNDALE	TOH	2	58	53	404337	733605	77	0	1	6	10
N-09356	101	X151	SNDS PT	TNH	4	104	99	405122	734204	100	0	1	6	5
N-09357	101	X35A	FRPT	TOH	6	27	22	403907	733603	0	0	1	6	10
N-09358	101	X8A	WDMR	TOH	2	20	15	403758	734129	5	0	1	6	9
N-09359	101	X7A	V S SO	TOH	2	26	21	403910	734129	5	0	1	6	9
N-09398	99		GDN CTY	TOH	2	22	16	404311	733716	0	0	1	0	10
N-09403	99				0	0	0	404222	733121	0	0	0	0	10
N-09446	38	6	SNDS PT	TNH	4	360	328	405126	734210	61	600	2	5	5
N-09452	43	8	W HEMP	TOH	2	595	521	404137	733836	60	1400	2	5	9
N-09453	100	1	O BTHPG	TOB	3	65	500	404540	732655	160	0	1	1	7
N-09463	17	10-1	HKSVL	TOB	3	630	560	404601	733150	160	1300	2	5	6
N-09468	101	X11A	INWOOD	TOH	1	25	20	403721	734434	7	0	1	6	13
N-09469	101	T16A	MSPQ PK	TOB	3	46	41	404111	732715	31	0	1	6	11
N-09470	101	G18A	FRPT	TOH	6	29	24	404001	733525	20	0	1	6	10
N-09471	101	P15A	SEAFORD	TOH	3	41	36	404129	732905	[illegible]	0	1	6	11
N-09472	101	E15A	MLVRN	TOH	2	35	31	404002	733939	25	0	1	6	9
N-09473	101	X36A	NO BLMR	TOH	3	42	37	404125	732250	61	0	1	5	10
N-09475	101	X122A	ATL BCH	TOH	2	68	63	403526	734413	6	0	1	6	11
N-09478	101	O1C	BAYVL	TOB	4	24	19	405428	733503	9	0	1	6	[illegible]
N-09480	106	5	PT WASH	TNH	8	268	256	404010	734902	170	0	2	6	[illegible]
N-09481	106	6	PT WASH	TNH	8	166	156	404010	734902	170	0	2	6	[illegible]
N-09482	106	7	PT WASH	TNH	0	53	43	404004	734906	0	0	1	6	9
N-09483	106	8	PT WASH	TNH	0	57	52	404004	734906	0	0	1	6	1
N-09489	17	1-6	HKSVL	TOB	1	575	515	404620	733114	105	1300	2	7	6
N-09514	23	4J	NO WTGH	TOH	3	660	599	404131	733114	60	2100	2	5	10
N-09520	31	6-2	O BAY	TOB	16	512	451	405146	733125	60	1200	2	5	6
N-09521	36	7	G C EST	TOH	3	601	475	404411	733610	80	1150	2	5	10
N-09589	100	4	LEVITT	TOH	1	63	53	404300	732051	20	200	1	4	10
N-09590	100	2	LEVITT	TOH	1	51	41	404219	733021	10	200	1	4	11
N-09591	3	EGD-1	BTHPG	TOB	3	682	616	404524	732826	120	1180	2	5	11
N-09813	24	7-1A	V S	TOH	2	480	424	404033	734317	27	1400	2	5	9
N-09657	101	P17A	SEAFORD	TOH	3	32	27	404025	732904	20	0	1	6	11
N-09658	101	P14A	NO WTGH	TOH	3	53	48	404219	732934	55	0	1	6	11
N-09661	101	T-12A	FRNGDL	TOB	3	57	52	404339	732805	0	0	2	6	11
N-09667	99				0	0	0	404320	733056	0	0	0	0	10
N-09687	100	1	LK SUCC	TNH	4	241	203	404651	734215	96	800	2	1	5
N-09703	101	X156	GDN CTY	TOH	3	106	96	404356	733610	67	0	2	6	10
N-09709	100	1	G C EST	TOH	3	363	305	404416	733521	99	1000	2	6	10
N-09711	101	F2A	ROS HTS	TNH	10	146	141	404707	733850	160	0	2	6	5
N-09712	101	F2A	ALBTSN	TNH	2	150	151	404620	733834	160	0	2	6	5
N-09713	101	X157	GDN CTY	TOH	3	215	205	404356	733610	67	0	2	6	10
N-09751	100	2	G C EST	TOH	3	215	205	404416	733521	10	1000	2	6	10
N-09753	107	G9	O BTHPG	TOB	3	81	76	404516	732643	116	0	1	6	11
N-09754	107	G10	O BTHPG	TOB	3	64	59	404516	732643	116	0	1	6	11
N-09757	107	I13	O BTHPG	TOB	3	60	55	404529	732643	117	0	1	6	7
N-09768	13	10	G C PK	TNH	2	477	406	404567	734011	165	1200	2	5	5
N-09792	35	4	KVC	TOH	2	537	466	403932	733927	20	1500	2	5	9
N-03602	101	X-175			0	146	141	404110	733510	0	0	2	6	10

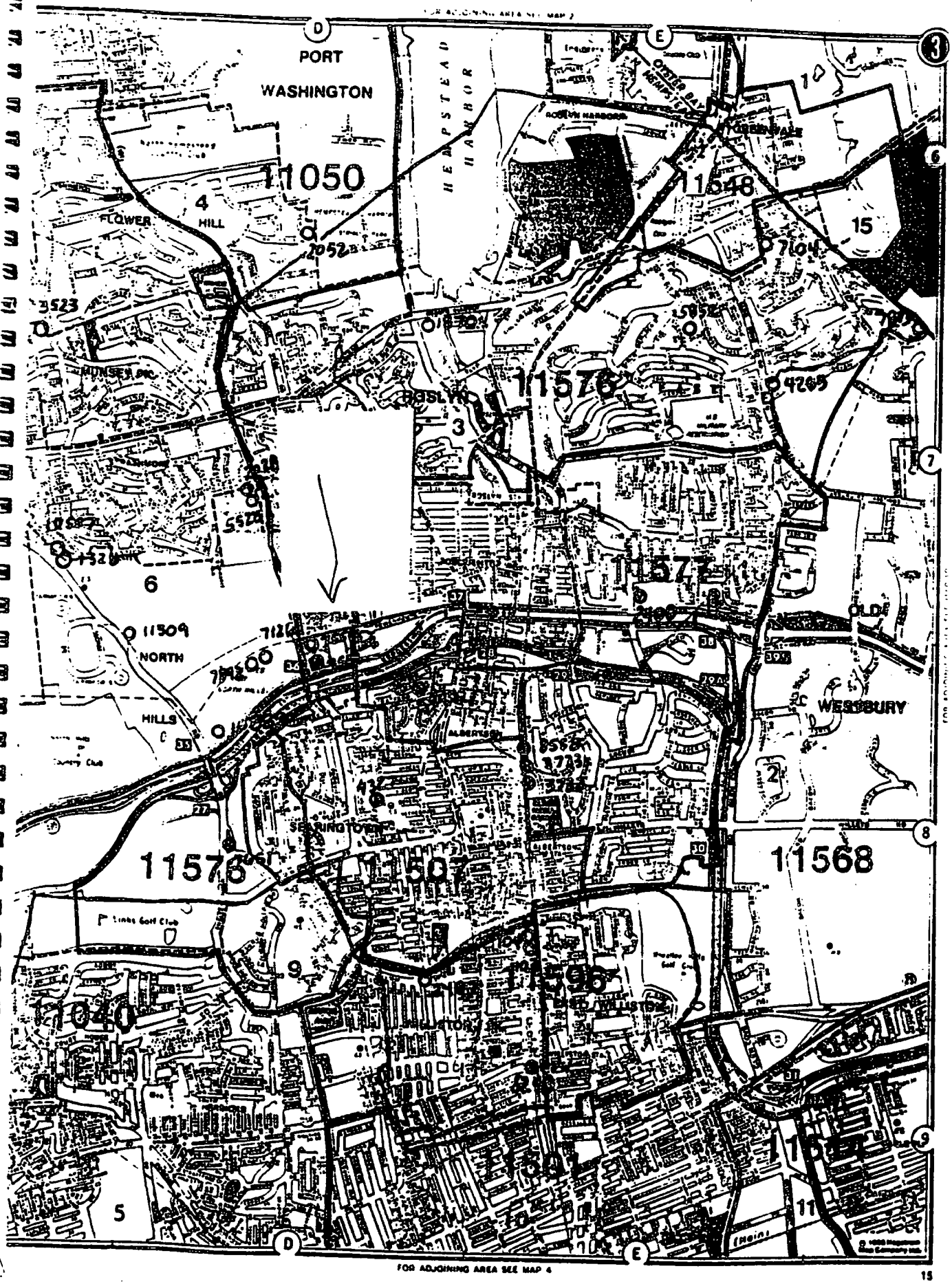
[redacted] Number	[redacted]ier	[redacted] Number	[redacted]ity	[redacted]	[redacted] District	[redacted] Depth	[redacted] Depth	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
N-09603	101	X-176			0	62	57	404310	733519	0	0	1	6	10
N-09604	101	X-177			0	143	136	404336	733503	0	0	2	6	10
N-09605	101	X-178			0	61	56	404336	733503	0	0	1	6	10
N-09606	100	2	MUTNTWN	TOB	3	239	196	404919	733014	[illegible]	1000	1	8	6
N-09609	36	S10	FLWR HL	TNH	0	524	418	404630	734062	[illegible]	1150	1	5	[illegible]
N-09846	30	10	G C EST	TOH	3	594	508	404[illegible]	733510	[illegible]	1350	2	5	10
N-09878	29	6N	NO BLMR	TOH	3	664	560	404117	733230	[illegible]	2100	2	5	10
N-09892	108	NW-1	G N EST	TNH	4	45	35	404713	734456	[illegible]	0	1	6	5
N-09893	108	NW-2	KNGS PT	TNH	4	70	60	404034	734509	59	0	1	6	5
N-09894	108	NW-3	KNGS PT	TNH	4	35	25	404908	734437	42	0	1	6	5
N-09895	108	NW-4	KNGS PT	TNH	4	44	34	404916	734346	37	0	1	6	5
N-09896	108	NW-5	KNGS PT	TNH	4	90	80	404843	734327	105	0	1	6	5
N-09897	108	NW-6	MANHST	TNH	4	90	90	404726	734155	90	0	1	6	5
N-09898	108	NW-7	MANHST	TNH	4	110	100	404744	734208	110	0	1	6	5
N-09899	108	NW-8	PLANDME	TNH	4	35	25	404877	734223	61	0	1	6	5
N-09900	108	NW-9	PLDM HR	TNH	4	35	15	404840	734143	51	0	1	6	5
N-09901	108	NW-10	PLDM HT	TNH	4	50	30	404610	734149	55	0	1	6	5
N-09902	108	NW-11	PLANDME	TNH	4	100	80	404817	734135	113	0	1	6	5
N-09903	108	NW-12	FLWR HL	TNH	4	120	110	404038	734047	140	0	1	6	5
N-09904	108	NW-13	MNSY PK	TNH	4	160	140	404744	734051	166	0	1	6	5
N-09905	103	NW-14	FLWR HL	TNH	4	130	110	404831	733954	161	0	1	6	5
N-09906	108	NW-15	FLWR HL	TNH	4	125	95	404805	734010	160	0	1	6	5
N-09907	108	NW-16	ROS EST	TNH	4	145	115	404747	733959	170	0	1	6	5
N-09910	29	6D	WANTAGH	TOH	3	774	695	404052	732948	20	2100	2	5	11
N-09914	101	X183	GDN CTY	TOH	2	57	53	404409	733741	99	0	1	6	10
N-09917	102	O10A	HKSVL	TOB	3	76	71	404524	733251	125	0	1	6	6
N-09918	102	X97A	HKSVL	TOB	3	77	72	404435	733057	112	0	1	6	10
N-09919	102	X98B	HKSVL	TOB	3	84	79	404535	733146	136	0	1	6	6
N-09920	102	P98	HKSVL	TOB	3	89	84	404607	733021	146	0	1	6	7
N-09921	102	P11C	BTHPG	TOH	3	62	57	404418	732944	94	0	1	6	11
N-09922	102	P23	LEVITT	TOH	3	41	36	404340	732951	77	0	1	6	11
N-09923	102	U16	FRNGDL	TOB	3	43	38	404348	732[illegible]	67	0	1	6	11
N-09924	102	OP4	LEVITT	TOH	3	45	40	404320	733056	77	0	1	6	10
N-09925	102	O13B	E MEAD	TOH	3	51	46	404325	733220	86	0	1	6	10
N-09926	102	OP1	JERICHO	TOB	3	130	125	404718	733150	168	0	1	6	6
N-09927	102	OP3	HKSVL	TOB	3	94	89	404831	733110	162	0	1	6	6
N-09928	102	OP2	HKSVL	TOB	3	86	81	404624	733215	165	0	1	6	6
N-09929	102	PT6	BTHPG	TOB	3	40	35	404340	732819	86	0	1	6	11
N-09930	102	TU4	FRNGDL	TOB	3	46	41	404345	732731	96	0	1	6	11
N-09931	102	PT5	BTHPG	TOB	3	73	68	404502	732917	119	0	1	6	11
N-09932	102	PT4	PLNVIEW	TOB	3	105	100	404601	732929	165	0	1	6	7
N-09933	102	PT2	PLNVIEW	TOB	3	115	110	404718	733000	179	0	1	6	7
N-09934	102	TU1	PLNVIEW	TOB	3	127	122	404726	732843	176	0	1	6	7
N-09935	102	TU2	O BTHPG	TOB	3	135	130	404622	732732	179	0	1	6	7
N-09936	102	TU3	O BTHPG	TOB	3	63	58	404458	732791	91	0	1	6	11
N-09937	102	PT1	SYOSSET	TOB	3	98	93	404741	733019	190	0	1	6	7
N-09938	102	HO1	WSTBY	TNH	3	80	75	404526	733315	176	0	1	6	6
N-09939	102	HO2	BOWL GR	TOH	3	74	69	404435	731143	105	0	1	6	10
N-09940	102	G23	CAR PL	TNH	3	53	48	404523	733634	107	0	1	6	10
N-09941	102	G22	CAR PL	TNH	3	50	45	404442	733624	86	0	1	6	10
N-09942	102	F5A	MINEOLA	TNH	2	69	64	404456	733815	111	0	1	6	9
N-09943	102	F7A	GDN CTY	TOH	2	69	64	404362	733805	90	0	1	6	9
N-09944	102	E9B	G C PK	TNH	2	80	75	404411	734005	96	0	1	6	9
N-09945	102	E11A	GDN CTY	TOH	2	67	62	404253	733956	76	0	1	6	9
N-09946	102	X20A	HERRCKS	TNH	2	60	55	404531	733915	106	0	1	6	9
N-09947	102	X1A	BEL TER	TOH	2	109	104	404319	734329	81	0	1	6	9
N-09948	102	DE1	N H P	TNH	2	114	109	404509	734056	125	0	1	6	9
N-09949	102	DE2	N H P	TNH	2	100	95	404416	734058	102	0	1	6	9
N-09950	102	GH1	WSTBY	TNH	3	69	64	404511	733514	115	0	1	6	10

N[redacted]	[redacted]	[redacted]ber	[redacted]	[redacted]	[redacted]ist	[redacted]	[redacted]ent	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
N-09951	103	RF-1	GDN CTY	TOH	2	44	38	404431	733701	[illegible]	0	1	5	10	
N-09951A	103	RF-1	GDN CTY	TOH	2	55	49	404431	733701	[illegible]	0	1	1	10	
N-09952	103	RF-2	GDN CTY	TOH	2	44	38	404427	733706	[illegible]	0	1	6	10	
N-09952A	103	RF-2	GDN CTY	TOH	2	55	49	404427	733704	[illegible]	0	1	1	10	
N-09953	103	RF-3	GDN CTY	TOH	2	55	49	404421	733705	96	0	1	6	10	
N-09954	103	RF-4	GDN CTY	TOH	2	55	49	404407	733704	97	0	1	6	10	
N-09955	103	RF-5	GDN CTY	TOH	2	55	49	404406	733657	[illegible]	0	1	6	10	
N-09956	103	RF-6	G C EST	TOH	3	55	49	404420	733666	[illegible]	0	1	6	10	
N-09957	103	RF-7	G C EST	TOH	3	55	49	404423	733656	[illegible]	0	1	6	10	
N-09958	103	RF-8	G C EST	TOH	3	55	49	404416	733656	[illegible]	0	1	6	10	
N-09959	103	RF-9	G C EST	TOH	3	55	49	404412	733634	[illegible]	0	1	6	10	
N-09960	103	RF-10	G C EST	TOH	3	55	49	404423	733639	[illegible]	0	1	6	10	
N-09961	103	RF-11	G C EST	TOH	3	55	49	404433	733663	66	0	1	6	10	
N-09962	103	RF-13	CAR PL	TNH	3	65	59	404446	733724	[illegible]	0	1	6	10	
N-09963	103	RF-14	CAR PL	TNH	3	55	49	404446	733650	[illegible]	0	1	6	10	
N-09964	103	RF-15	GDN CTY	TOH	2	55	49	404403	733706	[illegible]	0	1	6	10	
N-09965	103	RF-16	GDN CTY	TOH	2	44	38	404413	733707	[illegible]	0	1	6	10	
N-09965A	103	RF-16	GDN CTY	TOH	2	55	49	404413	733707	[illegible]	0	1	1	10	
N-09966	103	RF-17	GDN CTY	TOH	2	55	49	404358	733656	[illegible]	0	1	6	10	
N-09967	103	RF-18	G C EST	TOH	3	55	49	404404	733631	[illegible]	0	1	6	10	
N-09968	103	RF-19	GDN CTY	TOH	2	65	49	404432	733712	[illegible]	0	1	6	10	
N-09971	100	1	GDN CTY	TOH	2	41	36	404417	733705	[illegible]	0	1	6	10	
N-09972	100	2	GDN CTY	TOH	2	41	36	404416	733705	[illegible]	0	1	6	10	
N-09973	100	3	GDN CTY	TOH	2	41	36	404415	733705	[illegible]	0	1	6	10	
N-09974	100	4	GDN CTY	TOH	2	41	36	404410	733701	83	0	1	6	10	
N-09976	29	2C	NO MRK	TOH	3	567	440	404059	733417	[illegible]	2100	2	5	10	
N-09977	106	10	PT WASH	TNH	8	196	172	404028	734059	180	0	2	6	[illegible]	
N-09978	106	9	PT WASH	TNH	8	246	222	404028	734059	[illegible]	0	2	5	8	
N-09979	102	X2A	ELMONT	TOH	2	95	90	404232	734125	71	0	1	6	[illegible]	
N-09980	102	U7A	FRMGDL	TOB	3	58	53	404421	732623	[illegible]	0	1	6	11	
N-09981	102	F13	FLNVIEW	TOB	3	108	103	404642	732956	[illegible]	0	1	6	7	
N-09982	102	D4A	N H P	TNH	2	112	107	404435	734202	[illegible]	0	1	6	9	
N-09983	102	D5A	FL PK	TOH	2	99	94	404404	734202	[illegible]	0	1	6	9	
N-09984	102	DE3	FR SQ	TOH	2	60	55	404251	734046	[illegible]	0	1	6	9	
N-10011	101	X34A	SO HEMP	TOH	2	26	21	403950	733614	[illegible]	0	1	6	10	
N-10019	103		GDN CTY	TOH	2	227	223	404410	733704	87	0	2	6	10	
N-10020	103		GDN CTY	TOH	2	190	185	404407	733650	[illegible]	0	2	6	10	
N-10024	107	3-1	O BTHPG	TOB	3	102	97	404514	732652	112	10	2	6	11	
N-10025	107	3-2	O BTHPG	TOB	3	110	105	404521	732643	116	10	2	6	11	
N-10026	107	3-3	O BTHPG	TOB	3	110	105	404521	732643	110	10	2	6	7	
N-10027	107	3-4	O BTHPG	TOB	3	118	113	404531	732716	[illegible]	10	2	6	7	
N-10033	12	15	GDN CTY	TOH	2	541	439	404259	733808	[illegible]	1380	2	5	[illegible]	
N-10034	12	16	GDN CTY	TOH	2	570	469	404250	733806	75	1380	2	[illegible]	[illegible]	
N-10035	103		GDN CTY	TOH	2	56	51	404338	733715	80	0	1	6	10	
N-10038	52	1	E MEAD	TOH	0	605	201	404404	733366	96	1404	2	5	10	
N-10039	52	2	E MEAD	TOH	0	586	202	404354	733363	95	1397	2	5	10	
N-10040	52	3	E MEAD	TOH	0	606	270	404344	733350	89	1336	2	5	10	
N-10043	100	2	G C EST	TOH	3	185	165	404418	733616	89	350	2	4	10	
N-10045	104	SY-1	LOC GRV	TOB	3	135	125	404757	733032	105	0	2	6	6	
N-10046	104	SY-2	LOC GRV	TOB	3	125	115	404801	733033	102	0	2	6	6	
N-10047	104	SY-3	LOC GRV	TOB	3	145	135	404805	733044	[illegible]	0	2	6	6	
N-10048	104	SY-4	LOC GRV	TOB	3	153	143	404759	733040	[illegible]	0	2	5	6	
N-10049	104	SY-5	LOC GRV	TOB	3	135	125	404756	733037	[illegible]	0	2	[illegible]	[illegible]	
N-10050	104	SY-6	LOC GRV	TOB	3	145	135	404751	733031	106	0	2	6	7	
N-10051	104	SY-7	LOC GRV	TOB	3	145	135	404750	733025	[illegible]	0	2	[illegible]	7	
N-10056	105	DA-1	N H P	TNH	2	120	110	404459	734041	[illegible]	0	1	6	9	
N-10057	105	DA-2	N H P	TNH	2	95	85	404457	734041	110	0	1	6	9	
N-10058	105	DA-3	N H P	TNH	2	100	90	404458	734049	[illegible]	0	1	6	9	
N-10059	105	DA-4	N H P	TNH	2	95	85	404442	734043	[illegible]	0	1	[illegible]	9	

Well Number	Supplier	Local Number	Community	Town	Sewer District	Well Depth	Screen Depth	Latitude	Longitude	Elevation	[illegible]	[illegible]	[illegible]	Grid Sheet
N-10080	105	GA-5	N H P	TNH	2	114	104	404439	734042	110	0	1	6	9
N-10076	100	1R	G C EST	TOH	3	334	207	404438	733610	1.0	250	2	4	10
N-10084	101	X388	BELMR	TOH	1	71	16	403939	733222	5	0	1	6	10
N-10094	103		GDN CTY	TOH	2	68	63	404436	733720	80	0	1	6	10
N-10095	103		GDN CTY	TOH	2	50	47	404417	733711	99	0	1	5	10
N-10095A	103		GDN CTY	TOH	2	60	61	404417	733711	99	0	1	1	10
N-10096	103		GDN CTY	TOH	2	36	35	404401	733658	91	0	1	6	10
N-10096A	103		GDN CTY	TOH	2	56	51	404403	733660	91	0	1	1	10
N-10097	103		GDN CTY	TOH	2	36	35	404359	733701	92	0	1	6	10
N-10097A	103		GDN CTY	TOH	2	56	51	404359	733700	[illegible]	0	1	1	10
N-10103	24	23-2	MLVRN	TOH	2	510	448	404023	733113	[illegible]	1100	2	5	10
N-10144	2	2-1	BAYVL	TOB	4	374	329	405421	733239	5	1000	2	5	2
N-10149	19	20	SYOSSET	TOB	4	625	515	405010	732045	220	1360	2	5	2
N-10195	29	5J	NO WTGH	TOH	3	500	512	404130	733116	60	2100	2	5	10
N-10202	103		GDN CTY	TOH	2	45	42	404348	733724	88	0	1	6	10
N-10204	103		GDN CTY	TOH	2	44	41	404352	733656	80	0	1	6	10
N-10205	103		GDN CTY	TOH	2	44	41	404338	733706	83	0	1	6	10
N-10206	18	15C	ELMONT	TOH	2	440	374	404214	734241	60	1280	2	5	9
N-10207	18	15E	ELMONT	TOH	2	450	379	404224	734240	60	1360	2	5	9
N-10209	17	9-3	HKSVL	TOB	0	649	572	404537	733046	160	1750	2	5	6
N-10211	18	28B	ELMONT	TOH	2	496	423	404125	734209	55	1380	2	5	9
N-10252	101	E8A	G C PK	TNH	2	104	99	404457	734023	0	0	0	6	9
N-10296	24	9-2A	V S	TOH	2	535	484	404031	734144	25	1000	2	5	9
N-10292	101	H-11A	E MEAD		0	50	45	404412	733430	78	0	1	0	10
N-10299	103		GDN CTY	TOH	2	54	51	404434	733656	96	0	1	6	10
N-10306	112	NH-19	NO HKSVL	TOB	3	116	106	404730	733057	[illegible]	0	2	6	6
N-10307	112	NH-10	NO HKSVL	TOB	3	212	192	404730	733057	172	0	2	6	6
N-10308	112	NH-25	NO HKSVL	TOB	3	99	89	404669	733110	[illegible]	0	1	6	6
N-10309	112	NH-20	NO HKSVL	TOB	3	210	190	404349	733110	[illegible]	0	2	6	10
N-10310	112	NH-33	NO HKSVL	TOB	3	105	95	404639	733113	161	0	2	6	6
N-10311	112	NH-30	NO HKSVL	TOB	3	225	205	404639	733111	164	0	2	6	6
N-10312	113	WH-1	W HKSVL	TOB	3	60	50	404536	733251	125	0	1	6	6
N-10313	113	WH-2	W HKSVL	TOB	3	63	53	404535	733235	131	0	1	6	6
N-10314	113	WH-3	W HKSVL	TOB	3	64	54	404536	733220	140	0	1	6	6
N-10315	113	WH-4	W HKSVL	TOB	3	66	56	404546	733222	136	0	1	6	6
N-10316	113	WH-5	W HKSVL	TOB	3	72	62	404550	733209	135	0	1	6	6
N-10317	113	WH-6	W HKSVL	TOB	3	64	54	404525	733242	126	0	1	6	6
N-10318	111	NC-1	NEW CSL	TNH	3	60	50	404523	733403	119	0	1	6	10
N-10319	111	NC-25	NEW CSL	TNH	1	57	47	404522	733356	116	0	1	6	10
N-10320	111	NC-3	NEW CSL	TNH	3	60	50	404522	733348	122	0	1	6	10
N-10321	111	NC-4	NEW CSL	TNH	3	62	52	404526	733339	126	0	1	6	6
N-10322	111	NC-5	NEW CSL	TNH	3	67	57	404531	733331	126	0	1	6	6
N-10323	111	NC-6	NEW CSL	TNH	3	62	52	404532	733319	127	0	1	6	6
N-10324	111	NC-7	NEW CSL	TNH	3	57	47	404517	733405	117	0	1	6	10
N-10325	111	NC-8	NEW CSL	TNH	3	57	47	404519	733355	103	0	1	6	10
N-10326	111	NC-9	NEW CSL	TNH	3	59	49	404520	733341	119	0	1	6	10
N-10327	111	NC-10	NEW CSL	TNH	3	58	48	404515	733347	119	0	1	6	10
N-10328	111	NC-11	NEW CSL	TNH	3	58	48	404517	733330	118	0	1	6	10
N-10329	111	NC-12	NEW CSL	TNH	3	54	44	404510	733326	121	0	1	6	10
N-10330	114	GCP-1	G C PK	TNH	3	59	49	404411	733936	90	0	1	6	9
N-10331	114	GCP-2	G C PK	TNH	3	59	49	404416	733929	101	0	1	6	9
N-10332	115	NHP-1	N H P	TNH	3	60	50	404431	734031	79	0	1	6	9
N-10333	115	NHP-2	N H P	TNH	3	61	53	404402	734036	77	0	1	6	9
N-10334	115	NHP-3	N H P	TNH	3	50	40	404400	734010	79	0	1	6	9
N-10401	43	10	W HEMP	TNH	2	625	600	404140	733041	0	1633	2	5	9
N-10408	43	9	W HEMP	TNH	2	615	600	404140	733041	0	[illegible]	2	5	9
N-10451	42	17	WSTBY	TNH	3	507	410	404540	733609	0	1300	2	5	6
N-10458	111	NC-20	NEW CSL	TNH	3	120	100	404523	733351	121	0	2	1	10
N-10459	111	NC-13	NEW CSL	TNH	3	60	50	404539	733311	121	0	1	6	6

[redacted]	[redacted]	[redacted] Number	[redacted]	[redacted]	[redacted] District	[redacted] Depth	[redacted] Depth	[redacted]	[redacted]	[redacted] Elevation	[redacted]	[redacted]	[redacted]	[redacted] Cost Year
N-10460	111	NC-14	NEW CSL	TNH	3	60	50	404541	733319	111	0	1	6	6
N-10461	111	NC-15	NEW CSL	TNH	3	60	50	404534	733342	125	0	1	6	6
N-10462	111	NC-16	NEW CSL	TNH	3	64	54	404531	733351	127	0	1	6	6
N-10463	111	NC-17	NEW CSL	TNH	3	64	54	404527	733350	122	0	1	6	9
N-10464	111	NC-18	NEW CSL	TNH	3	60	50	404510	733350	112	0	1	6	10
N-10465	111	NC-19	NEW CSL	TNH	3	62	52	404521	733349	121	0	1	6	10
N-10466	111	NC-20	NEW CSL	TNH	3	60	50	404516	733357	116	0	1	6	10
N-10467	111	NC-21	NEW CSL	TNH	3	61	53	404629	733340	125	0	1	6	[illegible]
N-10468	111	NC-22D	NEW CSL	TNH	3	125	105	404510	733336	125	0	2	6	6
N-10469	111	NC-23	NEW CSL	TNH	3	64	54	404528	733328	123	0	1	6	6
N-10470	111	NC-24	NEW CSL	TNH	3	65	55	404520	733333	120	0	1	6	10
N-10471	111	NC-25	NEW CSL	TNH	3	60	50	404523	733329	119	0	1	6	10
N-10472	111	NC-26S	NEW CSL	TNH	3	62	52	404511	733335	114	0	1	6	10
N-10473	111	NC-26D	NEW CSL	TNH	3	120	100	404511	733335	111	0	2	6	10
N-10474	111	NC-27	NEW CSL	TNH	3	60	50	404514	733317	116	0	1	6	10
N-10475	111	NC-28S	NEW CSL	TNH	3	57	47	404454	733350	110	0	1	6	10
N-10476	111	NC-28D	NEW CSL	TNH	3	130	110	404454	733350	111	0	2	6	10
N-10477	111	NC-29S	NEW CSL	TNH	3	57	47	404505	733416	111	0	1	6	10
N-10478	111	NC-29D	NEW CSL	TNH	3	121	101	404505	733416	111	0	2	6	10
N-10479	111	NC-30S	NEW CSL	TNH	3	40	30	404447	733346	91	0	1	6	10
N-10480	111	NC-30D	NEW CSL	TNH	3	118	98	404447	733346	91	0	2	6	10
N-10481	114	GCP-3	G C PK	TNH	2	40	30	404447	733346	89	0	1	6	10
N-10482	114	GCP-4	G C PK	TNH	2	61	51	404416	733921	100	0	1	6	9
N-10483	114	GCP-5	G C PK	TNH	2	59	49	404414	733935	95	0	1	6	9
N-10484	114	GCP-6	G C PK	TNH	2	55	45	404420	733917	95	0	1	6	9
N-10485	114	GCP-7	G C PK	TNH	2	65	55	404409	733916	98	0	1	6	9
N-10486	114	GCP-8	G C PK	TNH	2	60	50	404408	733942	95	0	1	6	9
N-10487	114	GCP-9	G C PK	TNH	2	61	51	404409	733915	93	0	1	6	9
N-10555	17	11-1	HKSVL	TOB	3	0	0	404606	733017	0	0	0	5	[illegible]
N-10557	25	25	NO HLS	TNH	6	408	321	404632	734017	0	1400	2	5	5
N-10588	110		HKSVL	TOB	3	76	71	404457	733121	0	0	1	6	10
N-10589	110		HKSVL	TOB	3	76	73	404524	733051	0	0	1	6	6
N-10590	110		BTHPG	TOB	3	76	73	404546	732937	0	0	1	6	7
N-10591	110		BTHPG	TOB	3	78	72	404539	732916	0	0	1	6	7
N-10592	110		BTHPG	TOB	3	73	67	404520	732911	0	0	1	6	11
N-10593	110		HKSVL	TOB	3	77	73	404520	733016	0	0	1	6	11
N-10594	110		HKSVL	TOB	3	76	73	404514	733007	0	0	1	6	11
N-10595	110		BTHPG	TOB	3	67	62	404502	732919	116	0	1	6	11
N-10596	110		HKSVL	TOB	3	71	69	404500	733013	0	0	1	6	11
N-10597	110		HKSVL	TOB	3	66	63	404451	733022	111	0	1	6	11
N-10598	110		HKSVL	TOB	3	77	71	404444	733017	0	0	1	6	11
N-10599	110		HKSVL	TOB	3	67	63	404428	732947	0	0	1	6	11
N-10600	110		BTHPG	TOB	3	61	57	404424	733001	0	0	1	6	11
N-10601	110		BTHPG	TOB	3	67	63	404425	732933	0	0	1	6	11
N-10602	110		BTHPG	TOB	3	56	52	404406	732936	0	0	1	6	11
N-10603	110		LEVITT	TOB	3	61	57	404356	732952	0	0	1	6	11
N-10612	13	11		TNH	2	400	0	404547	736000	0	1200	0	5	5
N-10623	110		BTHPG	TOB	3	72	71	404452	732932	122	0	1	6	11
N-10624	110		BTHPG	TOB	3	196	71	404415	732943	122	0	2	6	11
N-10625	110		BTHPG	TOB	3	67	63	404455	732912	116	0	1	6	11
N-10626	110		BTHPG	TOB	3	67	63	404435	732916	112	0	1	6	11
N-10627	110		BTHPG	TOB	3	310	290	404415	732965	96	0	2	6	11
N-10628	110		BTHPG	TOB	3	67	63	404419	732901	101	0	1	6	11
N-10629	110		HKSVL	TOB	3	109	105	404502	732939	116	0	2	6	11
N-10630	110		BTHPG	TOB	3	300	290	404451	733022	111	0	2	6	11
N-10631	110		BTHPG	TOB	3	67	63	404427	732947	101	0	1	6	11
N-10632	110		BTHPG	TOB	3	67	63	404425	732936	106	0	1	6	11
N-10633	110		BTHPG	TOB	3	67	63	404422	732919	104	0	1	6	11
N-10634	110		BTHPG	TOB	3	67	63	404412	732929	101	0	1	6	11

[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
N-10635	110		BTHPG	TCB	3	45	45	404402	732[illegible]	[illegible]	0	1	[illegible]	11			
N-10636	110		LEVITT	TCB	3	56	52	404424	733029	[illegible]	0	1	[illegible]	11			
N-10662	62	6	BTHPG	TCB	3	0	0	404523	732641	0	0	2	0	11			
N-10812	110		HKSVL	TCH	3	93	0	404530	732012	0	0	1	1	7			
N-10813	110		LEVITT	TCB	3	57	0	404411	733007	0	0	1	1	11			
N-10814	110		BTHPG	TCH	3	72	0	404509	732911	0	0	1	6	11			
N-10815	110		LEVITT	TCB	3	61	0	404[illegible]	733012	0	0	1	6	11			
N-10816	110		BTHPG	TCH	3	130	0	404525	732[illegible]	0	0	2	6	7			
N-10817	110		BTHPG	TCB	3	51	0	404525	732[illegible]	0	0	1	6	7			
N-10818	110		BTHPG	TCB	3	56	0	404521	732[illegible]	0	0	1	6	11			
N-10820	110		BTHPG	TCB	3	72	0	404519	732[illegible]	0	0	1	1	11			
N-10821	110		BTHPG	TCB	3	56	0	404517	732[illegible]	0	0	1	6	11			
N-10822	110		LEVITT	TCH	3	130	0	404153	733012	0	0	[illegible]	6	11			
N-10653	29	84	[illegible]	TCB	3	685	604	404056	7[illegible]	[illegible]	[illegible]	2	[illegible]	11			
N-10889	25	26		TRH	0	0	0	404644	734002	0	0	0	5	5			
N-10997	110		LEVITT	TCH	3	0	0	404[illegible]	732[illegible]	0	0	0	1	11			
N-10998	110		LEVITT	TCH	3	0	0	404[illegible]	732[illegible]	0	0	0	0	11			
N-10999	110		LEVITT	TCH	3	0	0	404331	732944	0	0	0	0	11			
N-11000	110		LEVITT	TCH	3	0	0	404331	732944	0	0	0	5	11			
N-11006	9	2-3	FRMGDL	TCB	0	0	0	404409	732711	0	0	0	5	11			
N-11107	19	29		TCB	4	505	520	404912	7[illegible]	0	[illegible]	[illegible]	5	6			
N-11295	19	30	MUTNTWN	TCB	0	0	0	404[illegible]	7[illegible]	0	0	0	5	1			
N-11509	25			TRH	0	0	0	404644	734031	0	0	0	5	5			
N-11UNK1	73	1	CTR TSL	TCB	4	450	0	405409	733056	20	10	3	[illegible]	[illegible]			
N-11UNK2	48	1	LRL HLW	TCB	4	0	0	405335	733129	0	0	[illegible]	5	2			


PORT
WASHINGTON
HEMPSTEAD
HARBOR
11050
4
FLOWER
HILL
11548
15
11576
3
11577
6
NORTH
HILLS
WESTBURY
2
11576
11507
11568
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11020
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E
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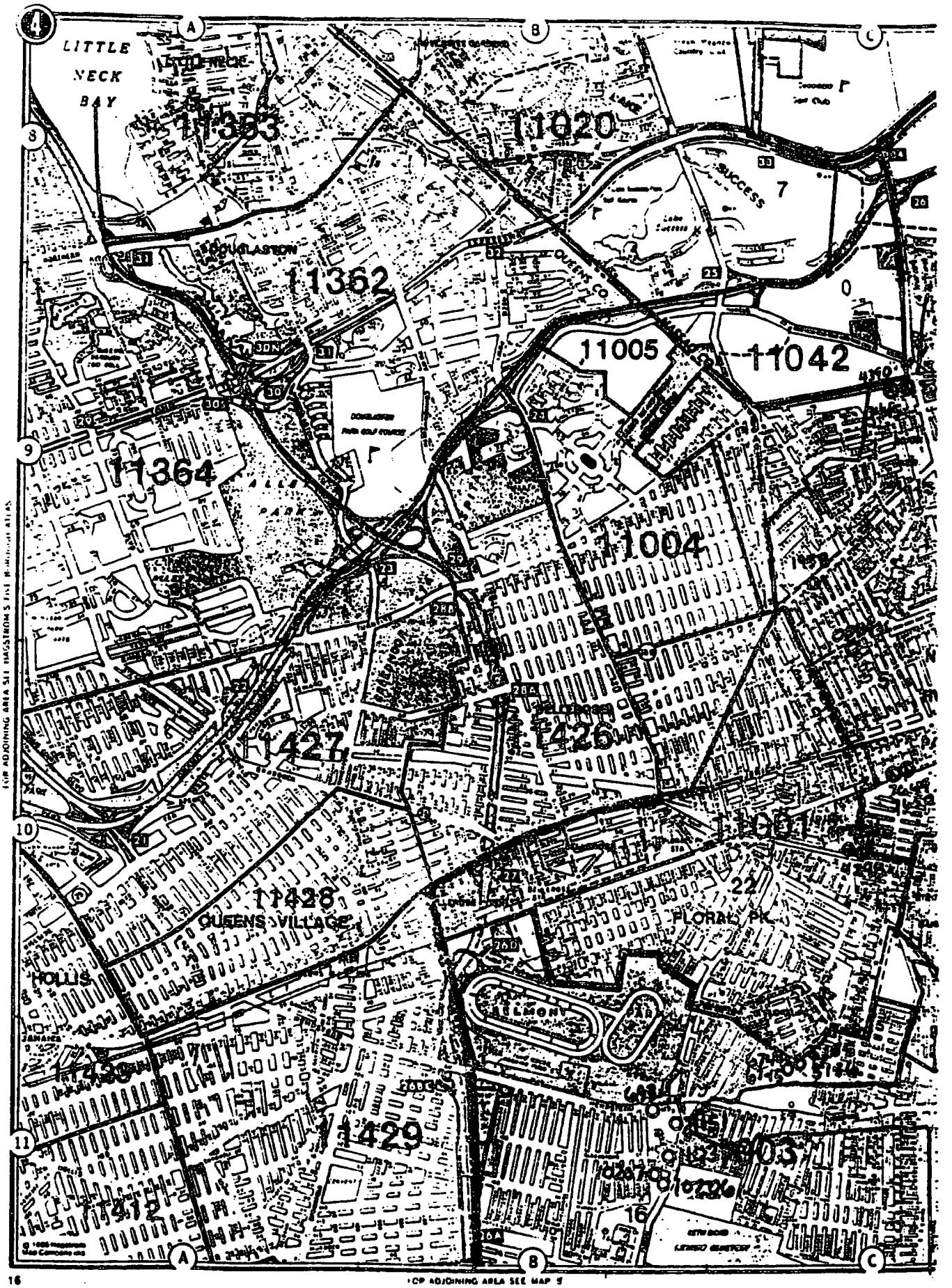
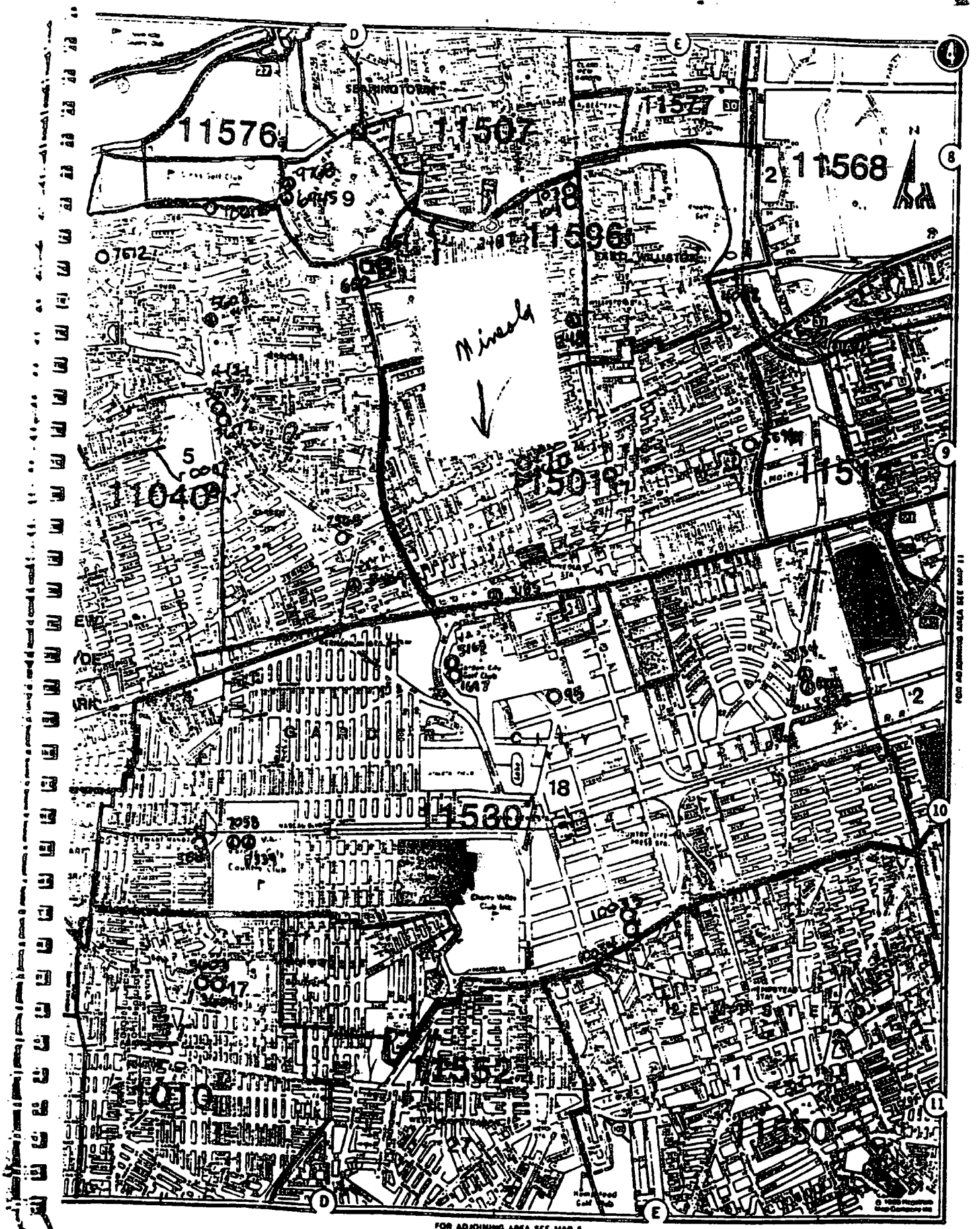


FOR ADJOINING AREA SEE MAP 9


11576
11507
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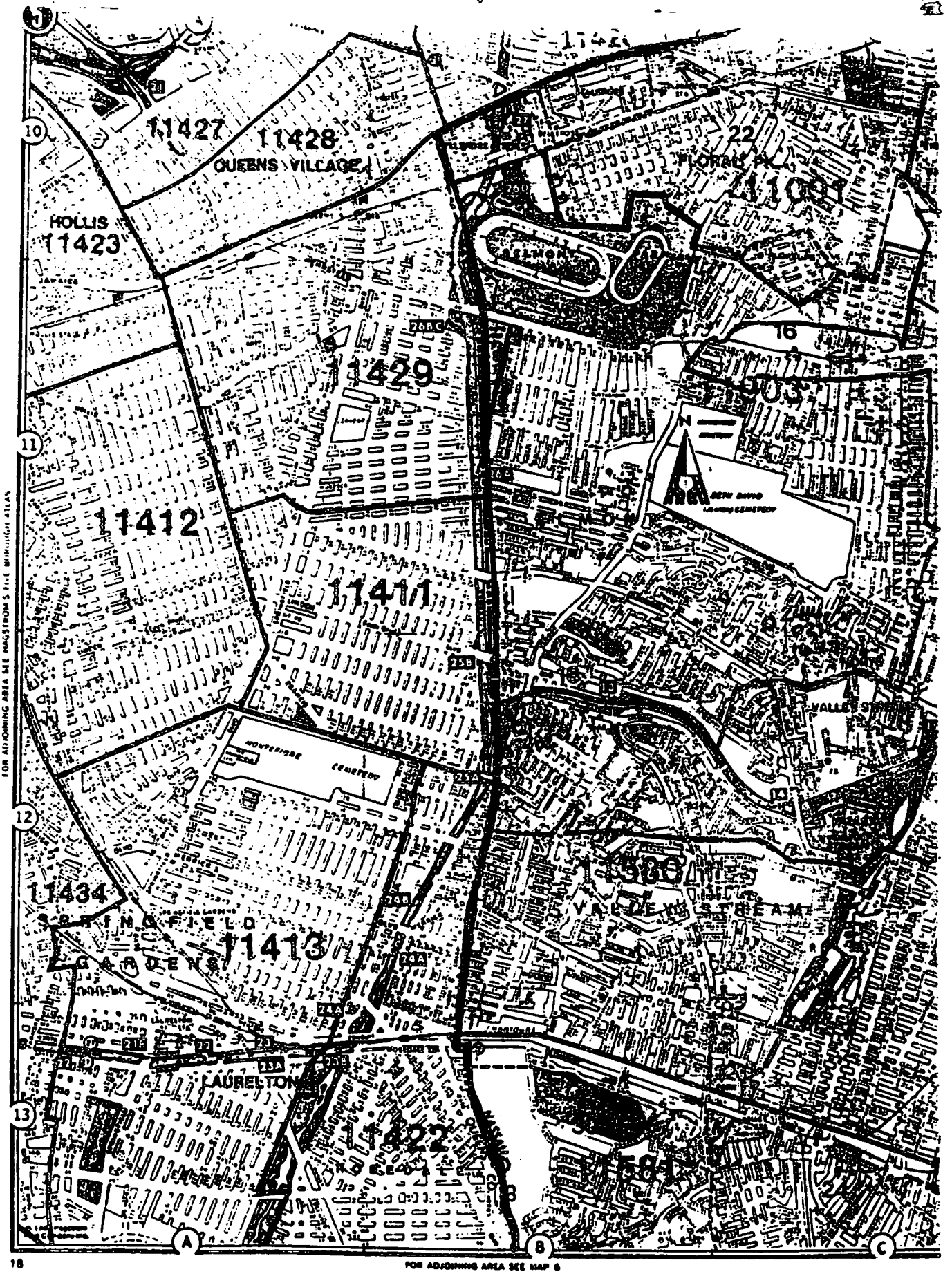
11596
Minerals
11040
11530
11552
11550
FOR ADJOINING AREA SEE MAP 11
FOR ADJOINING AREA SEE MAP 5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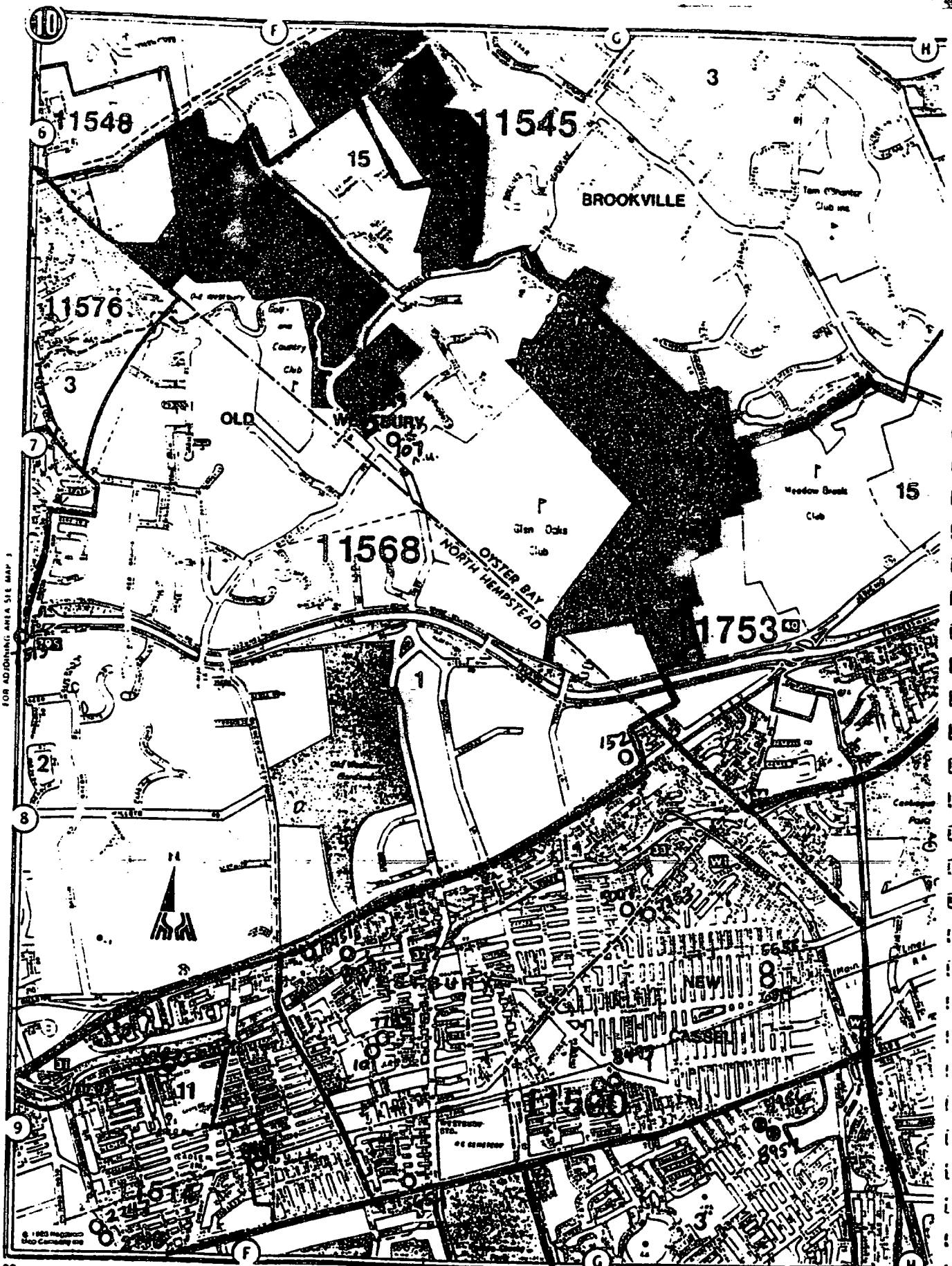
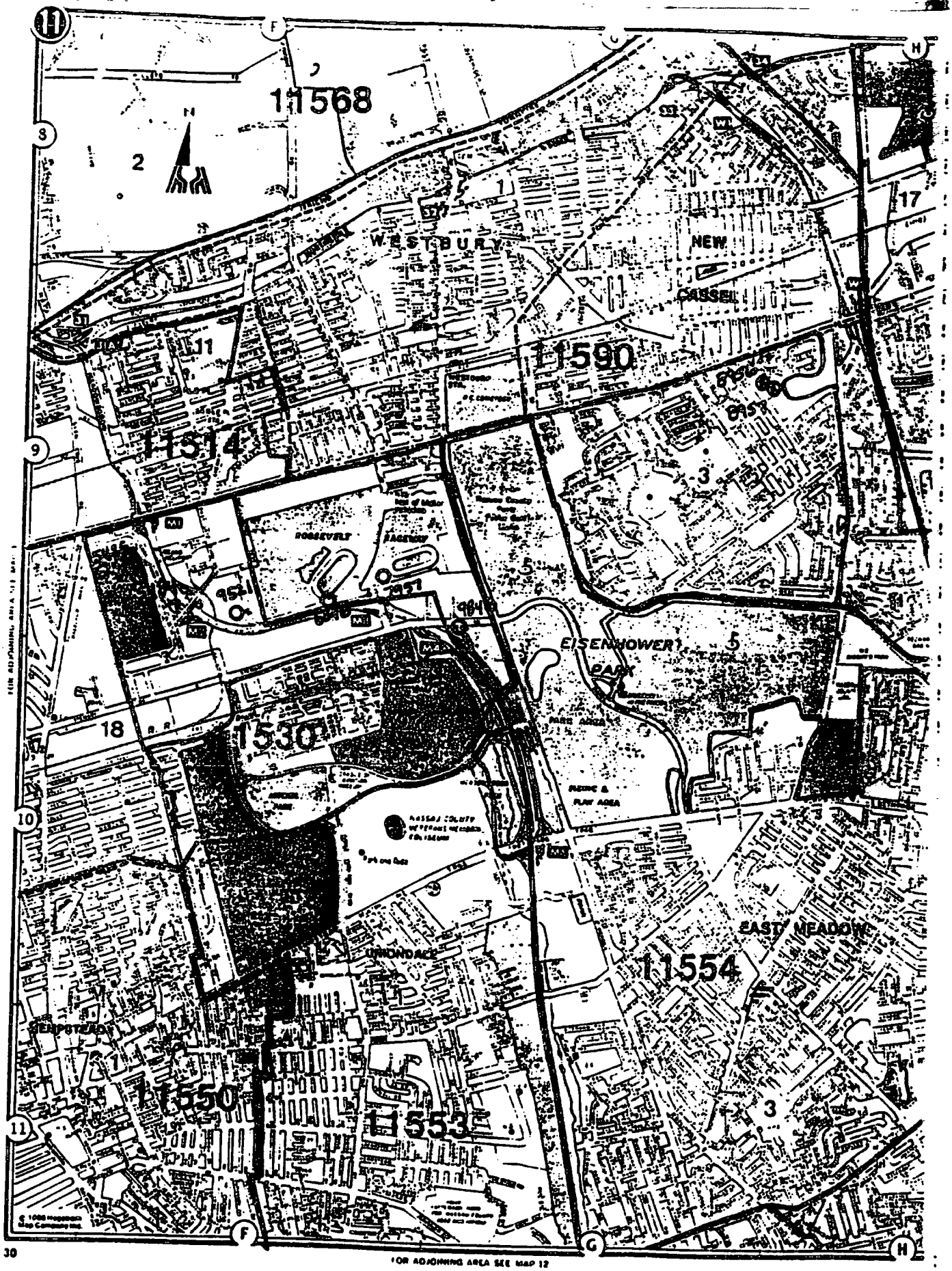
11428
QUEENS VILLAGE
HOLLIS
11423
FLORAL PK
11429
11412
11411
MONTEFIORE CEMETERY
11434
SPRINGFIELD GARDENS
11413
LAURELTON
VALLEY STREAM
10
11
12
13
A
B
C
FOR ADJOINING AREA SEE MAP 5

HENNSFEAD LANE
LAKEVIEW
FOR ADJOINING AREA SEE MAP 6
19


10
F
G
H
6
7
8
9
11548
11545
15
3
BROOKVILLE
11576
3
OLD
WESTBURY
11568
OYSTER BAY
NORTH HEMPSTEAD
Meadow Brook
Club
15
1753
1
2
11
NEW
CASSEL
11560
FOR ADJOINING AREA SEE MAP 3
FOR ADJOINING AREA SEE MAP 11

FOR ADJOINING AREA SEE MAP 11


11568
WESTBURY
NEW
CASSEL
11590
11514
ROOSEVELT
RACEWAY
EISENHOWER
PARK
PARK AREA
PICNIC &
PLAY AREA
11530
EAST MEADOW
11554
11550
11553
FOR ADJOINING AREA SEE MAP 12

GOODMAN AIRPORT
(Main)
11801
11756
11803
11804
11801
17
26
22
56
18
83
5
9
8
K
J
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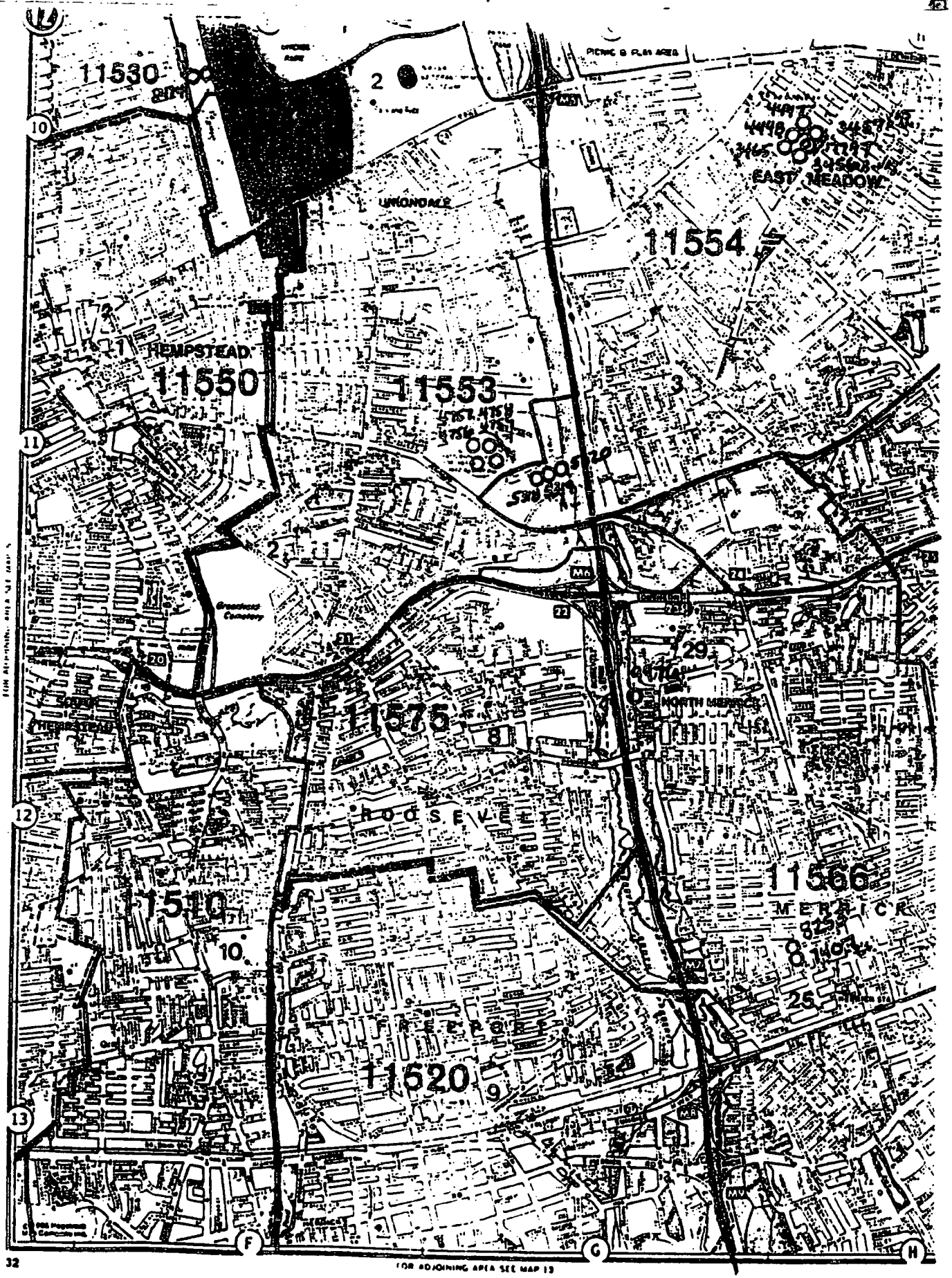
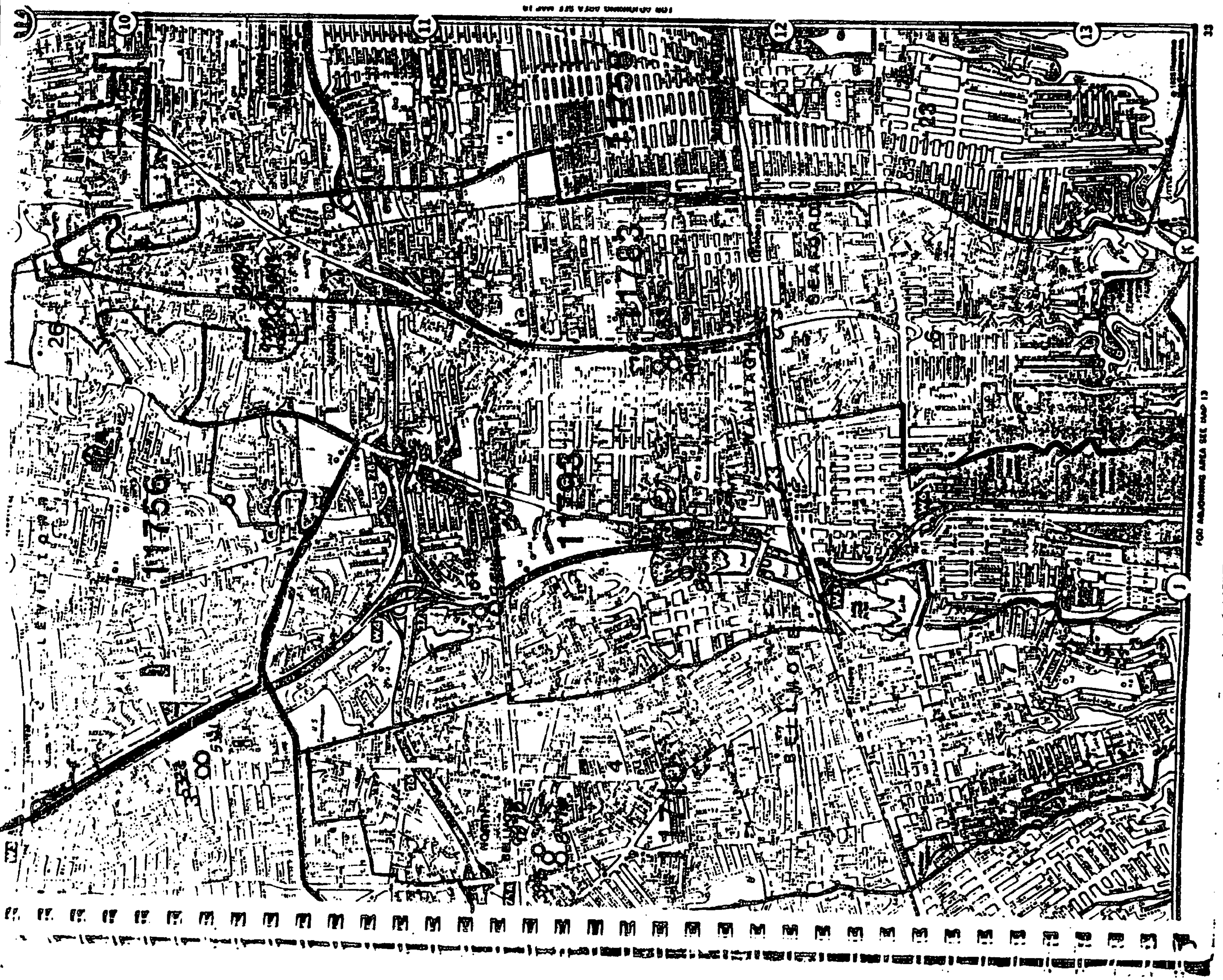
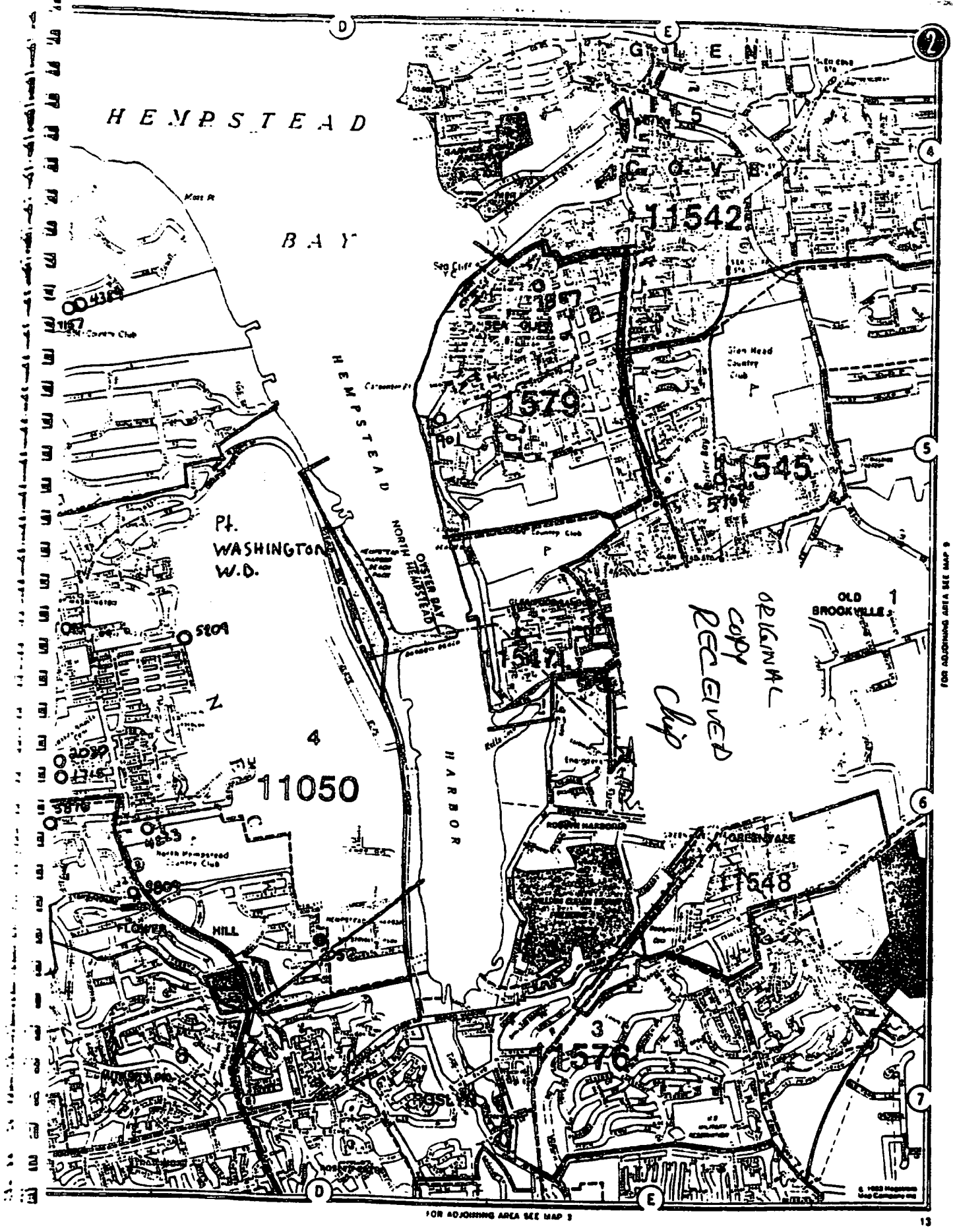
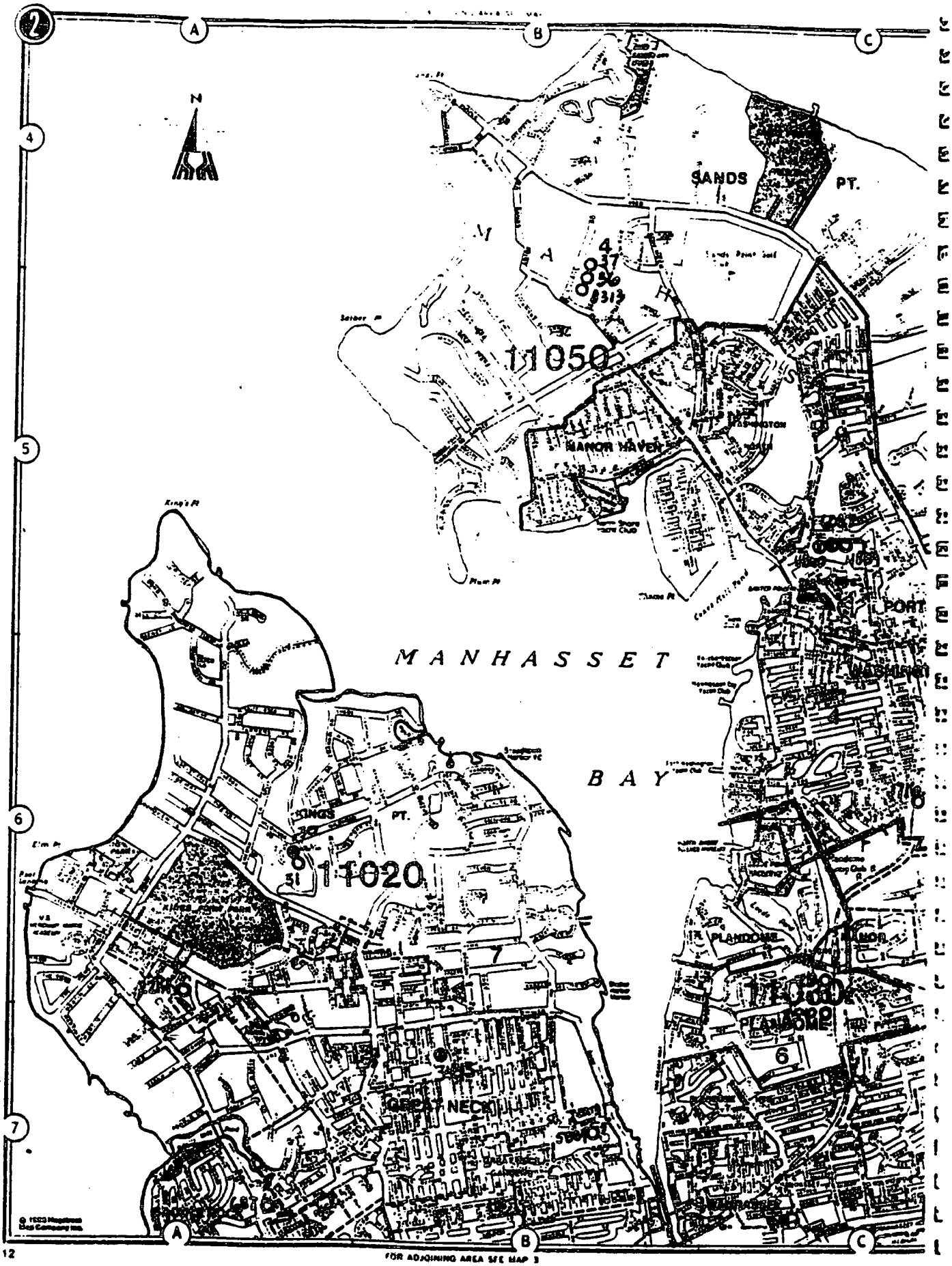
4
3
2
1



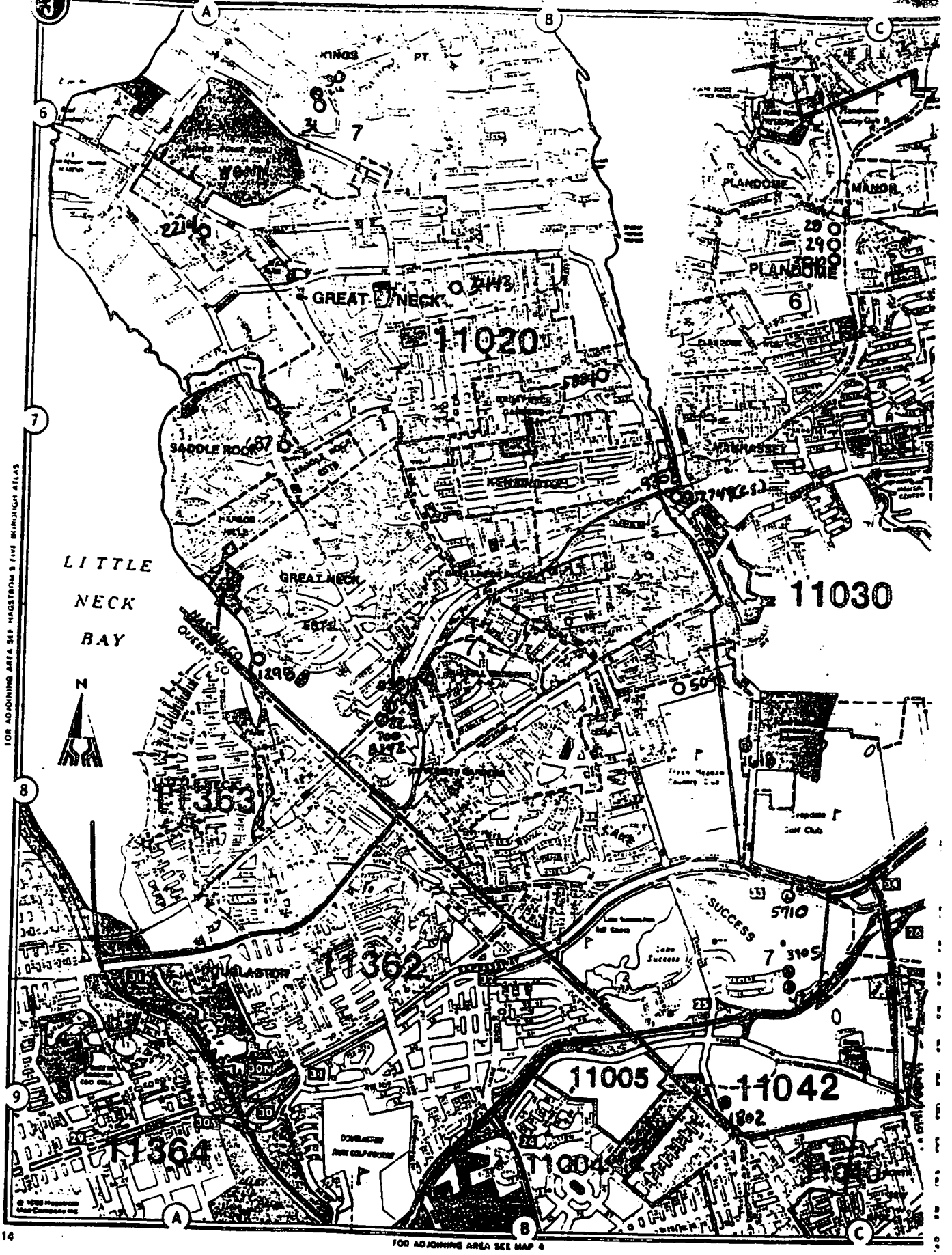
FOR ADJOINING AREA SEE MAP 13


FOR ADJOINING AREA SEE MAP 13


HEMPSTEAD
BAY
HEMPSTEAD
HARBOR
NORTH HEMPSTEAD
OYSTER BAY
Pt. WASHINGTON W.D.
11542
579
1545
547
11050
548
576
OLD BROOKVILLE
GREENVALE
FLOWER HILL
ORIGINAL COPY RECEIVED Chip
FOR ADJOINING AREA SEE MAP 3
FOR ADJOINING AREA SEE MAP 9



FOR ADJOINING AREA SEE MAP 3


KINGS PT.
PLANDOME
MANOR
PLANDOME
GREAT NECK
11020
SADDLE ROCK
KENSINGTON
MANHASSET
LITTLE
NECK
BAY
GREAT NECK
EST.
11030
N
11363
SUCCESS
11362
11005
11042
11364
11004
FOR ADJOINING AREA SEE HAGSTROM'S FIVE BOROUGH ATLAS
FOR ADJOINING AREA SEE MAP 4

REFERENCE NO. 23

JAMAICA WATER SUPPLY COMPANY

410 LAKEVILLE ROAD

LAKE SUCCESS, N.Y. 11042-1161

516-488-4600
718-297-4848

FEDERAL EXPRESS

April 26, 1993

Mr. Chip Love
Dynamic Corporation
Environmental Services
Peachtree Center Tower
230 Peachtree Street, N. W.
Suite 500
Atlanta, GA 30303

Subject: Response to Groundwater Survey Request
Document Control No. CDM-LC-001

Dear Mr. Love:

In response to your request for information (your letter of April 26, 1993) regarding Jamaica Water Supply Company (JWS) wells in the area of eastern Queens County and western Nassau County, I have enclosed a package of information which I hope, with this letter, will satisfy your request.

I have enclosed maps of JWS's Nassau County and Queens County service areas. On the maps, the "S#" indicates the well station number (wells are labelled by station number; second and third wells at a station are designated the station number and a letter "A", "B", "C", etc. ie.: Well Station No. 44 has Well Nos. 44, 44A, 44B and 44C.) The "T#" indicate the tank(s) at the well station. Attachments 1, 2 & 3 contain the addresses of the Well Stations in Queens and Nassau Counties and the location of the Tanks.

Regarding the other information requested in your letter, I offer the following (in order of their request):

a) JWS purchases water from New York City and there are areas in our Queens County distribution system that are services by a mix of the waters. However, most of the water is segregated.

b) JWS does not consider any of its wells as back up wells. Not all wells are used with the same frequency due to quality and area demand.

c) Attachment #4 includes a column for "Daily Average Yield" per well; this was based on JWS's 1991 usage.

April 26, 1993

Subject: Response to Groundwater Survey Request
Document Control No. CDM-LC-001

d) Attachment #s 1 and 2 includes columns for well depth and the aquifer the well is screened in. ("M" is for Magothy, "G" is for Glacial and "L" is for Lloyd).

e) Attachment #5 is all of JWS's well logs. They indicate the depth of screen setting and length of screen, along with a great deal of other information concerning the well.

f) As of 1991, JWS had 118,905 service connections in Queens and Nassau Counties. Very likely, some of them were, and are, food processing/production industries.

g) JWS purchases approximately 30 MGD of water from the City of New York.

h) There are known contaminants in our wells; predominantly tetrachloroethene (PCE) and trichloroethene (TCE). JWS has many wells out of service due to these contaminants. Attachment #s 6, 7 & 8 are organic analyses of three JWS wells located in the area of the Queens.Nassau border.

I hope this information is of use to you. If you have any questions, you can call me At (516) 488-4600, extension 341.

Sincerely,

William A. Yulinsky, P.E.
Project Manager

WAY/by
enclosures
DYNACORP

Att #1

JAMAICA WATER SUPPLY COMPANY
QUEENS COUNTY SERVICE AREA WELLS

3/13/90
~~2/12/89~~

WELL NO.	NYSDEC WELL NO.	LOCATION	DEPTH FT.	AQUIFER	PRESENT WELL CAPACITY M.G.D.	PRESENT NYSDEC AUTHORIZED CAPACITY M.G.D.	STATUS	REMARKS
1	Q301	127-16 Metropolitan Ave. Kew Gardens	93.7	G	.30	.432	I	(1)
3	Q303 Q558	109-25 120 Street So. Ozone Park	98.4 155	G G	.40 .30	.432 .936	I/R A/P	(2)
~~4~~	~~Q304~~	~~118-50 120 Street~~	~~80~~	~~G~~	~~.29~~	~~.340~~	~~I~~	~~(1) (2) (3)~~
5 5.	Q305 Q1957	93-02 199 Street Hollis	275 285	M M	1.728 2.448	1.728 2.448	A/D A/D	(9) (9)
6 6A 6B 6C 6D	Q306 Q560 Q561 Q562 Q1839	110 Ave., 108 Drive & 109 Dr. & 167 Street Jamaica	66.5 72.5 85 602 85	G G G L G	Organics 1.008 1.296 2.592 Organics	.072 1.008 1.288 2.592 .072	I I I I I	(1) (4) (5) (6) (1)
7 7B	Q307 Q564	91-01 209 Street	301 289.7	M M	1.783 1.728	1.728 1.728	I/R I/R	(1) (1)
~~8~~	~~Q308~~ Q3069	~~151-02 88 Avenue~~ Richmond Hill	~~98.9~~ 550	~~G~~ L	~~Organics~~ 1.440	~~.104~~ 1.584	~~I~~ A/D	~~(1) (8) (3)~~ (8)
9A	Q310 Q1958	116-32 224 Street Cambria Heights	105 432	G M	1.01 2.02	.864 2.592	A/D A/P	
	Q3157	111-14 143 Street Jamaica	260	J	1.987	1.987	I	(6)
	Q313 Q1600	214-01 89 Avenue Queens Village	291 290	M M	1.811 1.728	1.728 1.440	A/D A/D	
	Q3156	144 Street S/o 116 Ave. Jamaica	300	J	1.728	1.728	A/P	
	Q317 Q566	87-75 123 Street Richmond Hill	550 281	L M	1.512 .720	1.872 .763	A/D A/P	(8) (8)
	2137 Q567	84-02 164 Street Jamaica	250 618	M L	.506 1.30	.648 1.728	I/R A/P	(1) (8) (8)
	19	Cedarcroft Rd. E/Homelawn	144	G	0	.144	I	(7)
	21 435	Sawyer Ave. & Springfield Queens Village	335 346	M M	1.703 1.60	1.987 1.728	A/P A/P	

JAMAICA WATER SUPPLY COMPANY
QUEENS COUNTY SERVICE AREA WELLS

3/13/
~~2/12~~/90

WELL NO.	NYSDEC WELL NO.	LOCATION	DEPTH FT.	AQUIFER	PRESENT WELL CAPACITY M.G.D.	PRESENT NYSDEC AUTHORIZED CAPACITY M.G.D.	STATUS	REMARKS
22	Q322	84-70 127 Street Kew Gardens	125	G	.72	.540	I	(1)
23	Q323	114-36 224 Street Cambria Heights	97.3	G	.30	.720	A/P	
23A	Q568		362	M	2.304	2.160	A/D	
~~24~~	~~Q324~~	~~108-20 180 Street~~	~~49~~	~~G~~	~~Organics~~	~~.072~~	~~I~~	~~(1) (3)~~
~~24A~~	~~Q569~~	~~Jamaica~~	~~60~~	~~G~~	~~Organics~~	~~.072~~	~~I~~	~~(1) (3)~~
~~24B~~	~~Q570~~		~~62~~	~~G~~	~~Organics~~	~~.072~~	~~I~~	~~(1) (3)~~
~~24C~~	~~Q1058~~		~~60~~	~~G~~	~~Organics~~	~~.072~~	~~I~~	~~(1) (3)~~
	Q1450	113-30 Francis Lewis Blvd. St. Albans	115	G	.500	.648	A/D	
26A	Q1815		280	M	1.73	2.304	I/R	(1)
	Q1747	86-83 Dunton Avenue	257	G	1.071	1.476	A/D	
29	Q1534	216-15 102 Avenue Queens Village	97.5	G	.072	.072	I	(1)
2	Q1629		275.5	M	.923	.923	I/R	(1)
31	Q1811	125-15 92 Avenue Richmond Hill	144	G	.72	1.310	A/P	
32	Q1840	126-15 111 Avenue	105	G	1.296	1.440	A/P	
33	Q1843	160-25 108 Avenue Jamaica	85	G	.40	.144	A/P	
5	Q2026	129 Ave. E/o Brookville	431	M	2.304	2.304	A/D	
	Q2001	87-74 Chevy Chase St.	207	G	1.459	.720	I/R	(1)
A	Q1997	90-35 193 Street Hollis	107.8	G	1.296	1.584	A/D	(9)
	Q1997		275	M	2.304	2.592	A/D	(9)
	Q2000	90-42 Springfield Blvd. Queens Village	96	G	.720	.749	I	(1)
A	Q2188		255	M	2.304	2.304	A/P	
	Q2006	87 Avenue W/o 135 Street	115.6	G	Organics	.072	I	(1)
	Q2027	Murdock Ave. & 198 Street St. Albans	84	G	.43	.778	I	(1)
	Q2028		285	M	2.02	2.448	I/R	(5)
	Q1997	118 Street N/o Hillside Richmond Hill	123	G	1.18	1.368	A/D	
	Q2332		242	M	.58	1.872	A/D	
	Q2189	120 Street S/o 101 Ave. Richmond Hill	158	G	1.440	1.512	A/P	
	Q2243	193 Street S/o 120 Ave. St. Albans	132	G	0	.864	I	(5)

JAMAICA WATER SUPPLY COMPANY
QUEENS COUNTY SERVICE AREA WELLS

8/13
~~2/~~2/90

WELL NO.	NYSDEC WELL NO.	LOCATION	DEPTH FT.	AQUIFER	PRESENT WELL CAPACITY M.G.D.	PRESENT NYSDEC AUTHORIZED CAPACITY M.G.D.	STATUS	REMARKS
47	Q2275	112 Rd. E/Springfield Bl.	105	G	1.43	1.296	A/P	
47A	Q2276	Queens Village	345	M	2.304	2.304	A/D	
48	Q2299	Francis Lewis Blvd.	120	G	2.016	2.016	A/D	(9)
48A	Q2300	S/Hollis Ave., Hollis	280	M	2.304	2.304	A/D	(9)
49	Q2321	219 St. S/Hempstead Ave.	130	G	1.872	1.872	x A/P/E	(1)
49A	Q2343	Queens Village	230	M	2.304	2.304	x A/P/E	(1)
50	Q2373	Parsons Blvd. N/77 Road	158	G	1.008	1.296	A/D	(9)
50A	Q2374	Fresh Meadows (Jamaica)	254	M	1.440	1.440	A/D	(9)
51	Q2362	164 St. N/78 Ave.	287	M	1.440	1.440	I/R	(1)
52	Q2363	161 St. N/o 72 Avenue Fresh Meadows (Jamaica)	130	G	.72	.936	I/R	(1)
53	Q2408	76 Rd. W/162 Street	146	G	1.008	1.440	A/D	(9)
53A	Q2409	Fresh Meadows (Jamaica)	256	M	1.440	1.440	A/D	(9)
54	Q2442	228 St. & Linden Blvd.	102.5	G	1.728	1.728	A/P	
54A	Q2443	Cambria Heights	360	M	1.728	1.728	I/R	(5)
55	Q3034	99 Avenue & 194 Street	280	M	1.872	2.016	I	(1)
56	Q2955	222 St. N/134 Rd. Springfield Gardens	445	M	2.016	2.016	A/P	
58	Q3014	So. Service Rd. Grand Central Pkway W/Avon Rd. Jamaica	320	M	1.440	1.152	A/D	(9)
59	Q3029	Springfield Blvd. & Lucas St., Springfield Gardens	417	M	1.872	2.016	A/D	
60	Q3083	231-19 128 Drive Springfield Gardens	353	M	2.016	2.016	I	(5)

REMARKS:

(1) Currently exceeds 5 ppb VOC MCL
(2) Currently exceed 10 ppm Nitrate MCL
(3) To be abandoned in 1990.
(4) Iron Removal Plant requires upgrading
(5) High iron
(6) High chlorides and iron
(7) Water level too low
(8) Pumps to Iron Removal Treatment Plant
(9) Pumps to VOC Removal Treatment Plant

LEGEND:

G = Glacial or Post Jameco Formation
J = Jameco Formation
M = Magothy or Cretaceous Formation
L = Lloyd Formation
A = Active
I = Inactive
D = Used Daily
P = Used to meet greater than average demands
R = Standby Emergency Reserve
E = Emergency Use Only

A+ #2

JAMAICA WATER SUPPLY COMPANY
NASSAU COUNTY SERVICE AREA WELLS

8/13
~~2/12~~/90

WELL NO.	NYSDEC WELL NO.	LOCATION	DEPTH FT.	AQUIFER	PRESENT WELL CAPACITY M.G.D.	PRESENT NYSDEC AUTHORIZED CAPACITY M.G.D.	STATUS	REMARKS
9	N14	Sta. 9 - Bryant Ave.	106	G	.929	.929	A/P	
15A	N11	Sta. 15 - Elmont Rd. & Hempstead Tpke., Elmont	420	H	1.400	1.584	A/P	
15B	N11037		420	H	1.987	1.987	A/D	
15C	N10206		440	H	1.987	1.987	A/D	
15D	N693		93	G	2.200	2.200	~~A/P~~ I/R	
15E	N10207		450	H	1.987	1.987	A/P	
16A	N1958	New Hyde Park	722	L	1.584	1.606	A/P	
20	N17	Sta. 20 - Evergreen Ave. New Hyde Park	465	H	1.728	1.728	A/D	(2)
~~25~~	~~N2115~~	~~Sta. 25 - Elmont Rd.,~~	~~83.5~~	~~G~~	~~.900~~	~~.900~~	~~I~~	~~(1) (3)~~
25A	N7482	Elmont	435	H	2.000	2.592	A/D	
28	N2414	Sta. 28 - Miriam Pkway. Elmont	87	G	1.296	.159	A/P	
28A	N2413		508	H	1.296	1.296	A/P	
28B	N10211		494	H	1.987	1.987	A/D	
30	N3720	Sta. 30 - Swale Rd. Franklin Square	516	H	1.728	1.728	A/D	
34	N4512	Sta. 34 - Franklin Ave. No. Valley Stream	505	H	2.448	2.448	A/P	
35	N4077	Sta. 35 - Cisney Ave. Floral Park	150	G	1.008	.802	A/D	(2)
35A	N4298		395	H	2.592	2.592	A/D	(2)
40	N4390	Sta. 40 - Union Tpke. New Hyde Park	296	H	2.016	2.016	A/P	(2)
40A	N7445		448	H	1.728	1.728	A/D	(2)
44	N5155	Sta. 44 - Chelsea St. Elmont	90	G	.500	.500	~~A/P~~ I/R	
44A	N5156		331	H	2.200	2.304	I/R	(3)
44B	N6744		94	G	1.000	.150	A/P	
44C	N6745		344	H	2.200	2.304	I/R	(3)
57	N7649	Sta. 57 - Second Ave. New Hyde Park	340	H	1.728	1.728	A/D	(2)
57A	N7650		440	H	1.728	1.728	A/P	(2)

REMARKS:

(1) To be abandoned in 1990.
(2) Pumps to VOC Removal Treatment Plant
(3) Currently exceed 5 ppb VOC MCL

LEGEND:

G = Glacial or Post Jameco Formation
H = Magothy or Cretaceous Formation
L = Lloyd Formation
A = Active
I = Inactive
D = Used Daily
P = Used to meet greater than average demands
R = Standby Emergency Reserve

A # #3

TANK LOCATIONS

ank No.	Location	On Station Property
1	Audley St. W/Abingdon Rd.	
2	Dunton Ave. S/Keno Avenue	same as Tanks 4 & 21
3	Highland Ave. E/Homelawn St.	same as Station 19
4	Dunton Ave. S/Keno Avenue	same as Tanks 2 & 21
5	Elmont Rd & Hempstead Tpke., Nassau	same as Station 15
6	107th Ave. W/178th Street	same as Station 24
8	164th Street & 84th Avenue	same as Station 18
9	93rd Avenue & 199th Street	same as Station 5
10	Evergreen Ave. W/Denton Ave., Nassau	same as Station 20
12	Sawyer Ave. & Rocky Hill Road	same as Station 21
3	92nd Avenue W/127th Street	same as Station 31
4	127th St. N/Metropolitan Ave.	same as Station 22
	106-20 180th Street	same as Station 24
	108th Drive W/167th Street	same as Station 6
7	same as above	same as Station 6
	224th Street N/115th Avenue	same as Station 23
9	South 5th St. & 2nd Ave., Nassau	same as Station 57

TANK LOCATIONS

ank No.	Location	On Station Property
20	Miriam Parkway btw Lenox & Stuyvesant, Nassau	same as Station 28
21	Dunton Ave. S/Keno Avenue	same as Tanks 2 & 4
22	216-15 102nd Avenue	same as Station 29
23	Swale Rd corner of Park Lane, Nassau	same as Station 30
24	Cisney Ave. W/Gilbert Ct., Floral Park, Nassau	same as Station 35
25	Hook Creek Blvd & 129th St.	same as Station 36
26	178th Street & 108th Avenue	same as Station 24
27	109th Ave. W/167th Street	same as Station 6
28	128th St./S 118th Avenue	same as Station 4
29	134-15 222nd Street	same as Station 56
30	S/S Makofske Ave. E/Chelsea S., Elmont, Nassau	same as Station 44
31	130th Ave. & 144th St., Jamaica	
32	227th Street & 145th Avenue	
33	S/W/C New York Blvd & 132nd Ave.	
34	N/E/C 144th Street & Foch Blvd	

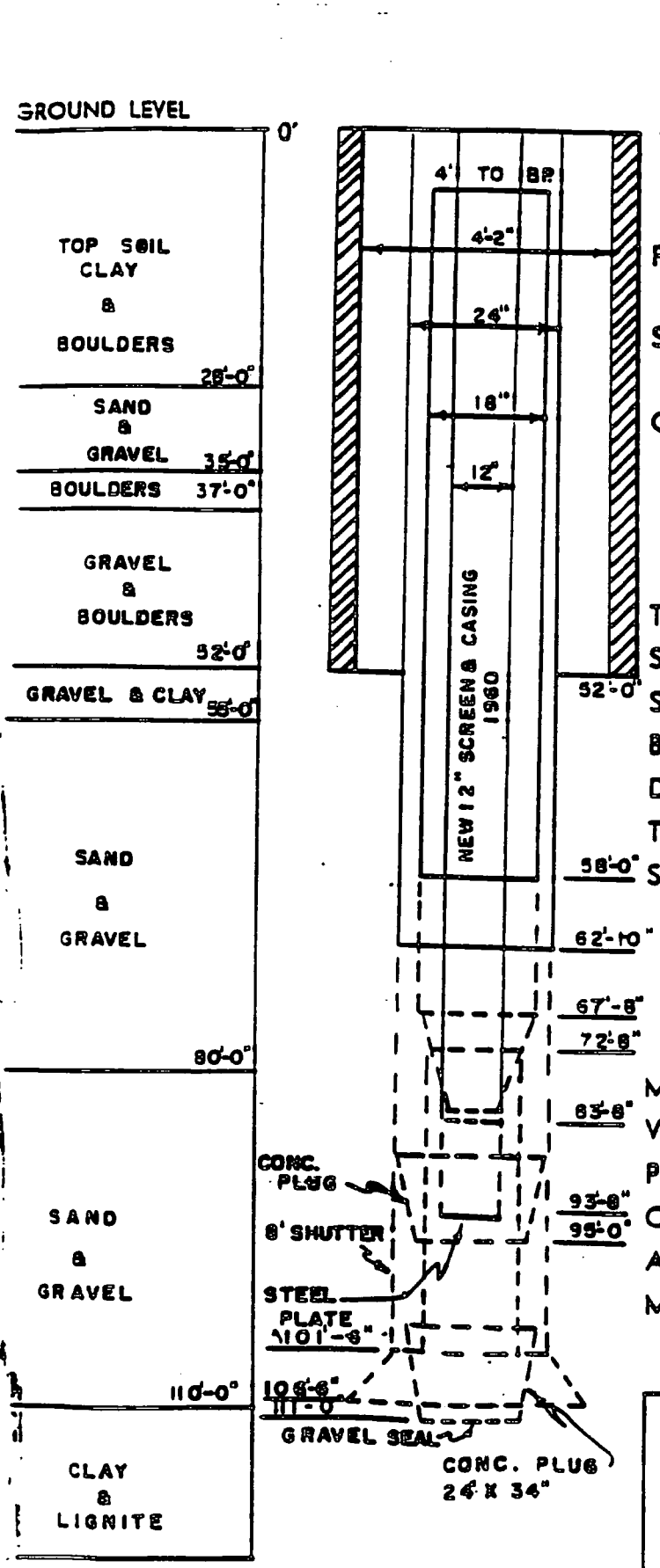
(A11 11-41)

JAMAICA WATER SUPPLY COMPANY
1991
Source of Ground Water Supply

LINE NO.	LOCATION AND DESIGNATION	TYPE OF DEVELOPMENT	YEAR OF CONSTRUCTION	NO. EACH TYPE	ELEVATION SURFACE OF GROUND-FEET	TYPE & METHOD OF OPERATION	DEPTH FEET	DEPTH OF WATER BELOW SURFACE STATIC	DRAWDOWN	MINIMUM DIAMETER OF WELL/INCHES	Daily Average Yield THOUSANDS OF GALLONS	LINE NO.
1	NYC/QUEENS CO.	1 WELL	1953	1	64.0	Gravel Wall DWP	93	52	A	12	-	1
2		3	1922	1	31.5		98	23	A	18	-	2
3		3A	1930	1	31.6		153	23	A	12	-	3
4		5	1985	1	59.5		280	61	26	12	1693.4	4
5		5A	1956	1	59.5		281	61	33	12	1696.1	5
6		6	1924	1	22.8		66	9	A	18	-	6
7		6A	1926	1	25.2		72	12	A	16	-	7
8		6B	1926	1	25.3		89	13	A	16	-	8
9		6C	1972	1	26.3		607	22	A	16	-	9
10		6D	1952	1	22.1		80	8	A	18	-	10
11		7	1985	1	67.1		306	A	A	12	1722.5	11
12		7B	1984	1	67.6		293	55	A	12	2789.3	12
13		8A	1976	1	62.8		555	58	A	12	1263.8	13
14		10	1969	1	44.5		103	36	32	18	965.8	14
15		10A	1970	1	44.4		434	36	44	12	1685.7	15
16		11	1983	1	25.2		265	A	A	8	-	16
17		13	1986	1	96.3		297	A	A	18	1584.6	17
18		13A	1990	1	96.8		289	102	46	12	1862.2	18
19		14	1983	1	31.9		303	A	A	18	2162.1	19
20		17	1987	1	58.0		552	A	A	8	1348.1	20
21		17A	1929	1	58.0		284	55	A	8	977.8	21
22		18	1955	1	119.5		241	106	A	18	-	22
23		18A	1954	1	127.9		617	A	A	8	1519.3	23
24		19	1952	1	120.9		141	102	A	18	-	24
25		21	1984	1	138.6		340	125	18	18	2028.7	25
26		21A	1965	1	137.2		355	141	28	12	1303.5	26
27		22	1932	1	76.7		125	65	A	18	-	27
28		23	1933	1	57.7		97	A	A	18	704.2	28
29		23A	1970	1	57.9		364	A	A	12	1739.5	29
30		26	1969	1	55.5		115	40	A	18	-	30
31		26A	1970	1	55.6		278	43	A	12	-	31
32		27	1951	1	187.5		258	175	26	16	941.2	32
33		29	1951	1	67.8		96	58	A	18	-	33
34		29A	1951	1	67.8		276	58	A	12	2096.9	34
35		31	1968	1	42.2		158	38	A	18	-	35
36		32	1952	1	32.9		98	24	A	18	634.4	36
37		33	1952	1	36.2		88	16	A	18	417.4	37
38		36	1986	1	38.2		433	33	77	18	1837.5	38
39		37	1954	1	196.6		203	103	A	16	-	39
40		38	1934	1	54.3		108	44	32	12	1181.0	40
41		38A	1965	1	54.2		279	44	36	12	2061.9	41
42		39	1954	1	76.1		103	55	A	18	-	42
43		39A	1988	1	73.1		253	53	A	12	1474.3	43
44		41	1954	1	63.7		116	58	A	18	-	44
45		42	1982	1	46.6		87	36	A	18	-	45

JAMAICA WATER SUPPLY COMPANY
1991
Source of Ground Water Supply

LINE NO.	LOCATION AND DESIGNATION	TYPE OF DEVELOPMENT	YEAR OF CONSTRUCTION	NO. EACH TYPE	ELEVATION SURFACE OF GROUND-FEET	TYPE & METHOD OF OPERATION	DEPTH FEET	DEPTH OF WATER BELOW SURFACE STATIC	DRAWDOWN	MINIMUM DIAMETER OF WELL/INCHES	Daily Average Yield THOUSANDS OF GALLONS	LINE NO.
46		42A	1956	1	66.6		279	34	A	12	-	46
47		43	1955	1	92.0		117	39	24	18	2207.4	47
48		43A	1960	1	48.8		234	42	104	12	836.7	48
49		45	1979	1	40.2		158	29	A	18	1494.3	49
50		46	1957	1	39.2		100	A	A	12	-	50
51		47	1990	1	50.9		101	35	26	18	1387.1	51
52		47A	1958	1	50.9		360	36	A	12	1545.7	52
53		48	1959	1	55.7		115	43	33	18	1871.3	53
54		48A	1990	1	55.8		275	43	30	12	2050.6	54
55		49	1961	1	62.3		126	43	A	14	-	55
56		49A	1961	1	62.3		230	43	A	12	-	56
57		50	1962	1	63.3		159	55	28	18	1177.7	57
58		50A	1962	1	63.6		249	59	54	12	1003.0	58
59		51	1962	1	69.2		278	59	A	8	-	59
60		52	1962	1	53.1		132	43	A	18	-	60
61		53	1963	1	61.3		140	54	30	18	885.8	61
62		53A	1963	1	61.3		251	58	68	12	1482.1	62
63		54	1965	1	47.0		116	36	A	18	1529.0	63
64		54A	1965	1	47.9		357	36	A	12	-	64
65		55	1973	1	51.5		281	61	A	12	-	65
66		56	1967	1	25.1		650	19	51	12	2183.2	66
67		58	1972	1	101.6		314	95	75	12	1290.9	67
68		59	1974	1	21.2		422	12	85	12	1749.9	68
69		60	1970	1	34.3		350	26	A	12	-	69
70	HEMPSTD/NAS.CO.	15A	1977	1	46.3		424	31	A	12	1308.5	70
71		15B	1989	1	45.5		425	A	A	20	1717.7	71
72		15C	1984	1	44.7		445	54	A	12	2078.0	72
73		15D	1939	1	47.7		93	22	A	26	-	73
74		15E	1984	1	36.3		455	32	70	12	1928.3	74
75		25A	1964	1	32.5		440	21	75	12	2013.5	75
76		28	1949	1	53.2		94	35	A	18	1245.9	76
77		28A	1991	1	53.1		302	36	A	10	1441.1	77
78		28B	1984	1	38.8		499	36	A	12	-	78
79		30	1952	1	37.6		521	A	A	12	1622.9	79
80		34	1985	1	41.9		508	A	A	10	2346.8	80
81		44	1955	1	64.7		80	33	A	18	-	81
82		44A	1955	1	64.7		325	A	A	12	-	82
83		44B	1960	1	62.4		84	32	26	18	940.7	83
84		44C	1960	1	62.4		341	33	12	12	-	84
85	PL.PK.HEMPSTD,NASSAU CO.	35	1988	1	73.9		153	39	49	14	970.0	85
86		35A	1984	1	73.9		400	39	57	12	2009.6	86
87	N.HEMPSTD,NASSAU CO.	16A	1987	1	114.1		725	110	A	6	1795.7	87



MATERIAL

PIT	65' OF 24" D.R. 6 GA. 60' OF 18" D.R. 6 GA. 83'-8" OF 12" T&C STEEL PIPE
SCREEN	40' OF 24" D.R. 6 GA. 6 OPEN'G. 10' OF 18" " " 7 " 20' OF 16" " " 8 "
CONE	10' OF 12" DR STAINLESS STEEL SCREEN WITH S.S. PLUG 24" X 36" X 57" D.R. 6 GA. OPEN'G 18" X 15" X 57" D.R. 7 GA. OPEN'G

PUMP 1-60 (300 G.P.M.)

TYPE	R.K.H.C.	SHOP NO.	4225A
SETTING	83'-11"	SIZE	10"
SUCTION	8'-7" OF 6" PIPE	STAGES	14
BASKET		IMPELLERS	B.R.
DISCHARGE	7"	HEAD	K.M.P.U.
TUBING	2 1/2"	PRESS B.P.	70
SHAFTING	1 1/2"	AIR LINE	92'

MOTOR 9-20-55

MAKE	G.E.	TYPE	SLIP RING
VOLTS	220	R.P.M.	1160
PHASE	3	FORM	V
CYCLE	60	SERIAL	48 663 55
AMP.	157	FRAME	536
MODEL	SW 197	H.P.	60

WELL OVERHAULED 1953, 55, 60

CAP. 800 GUAR. 800

ACCEPTED 12-16-22

JAMAICA WATER SUPPLY CO.

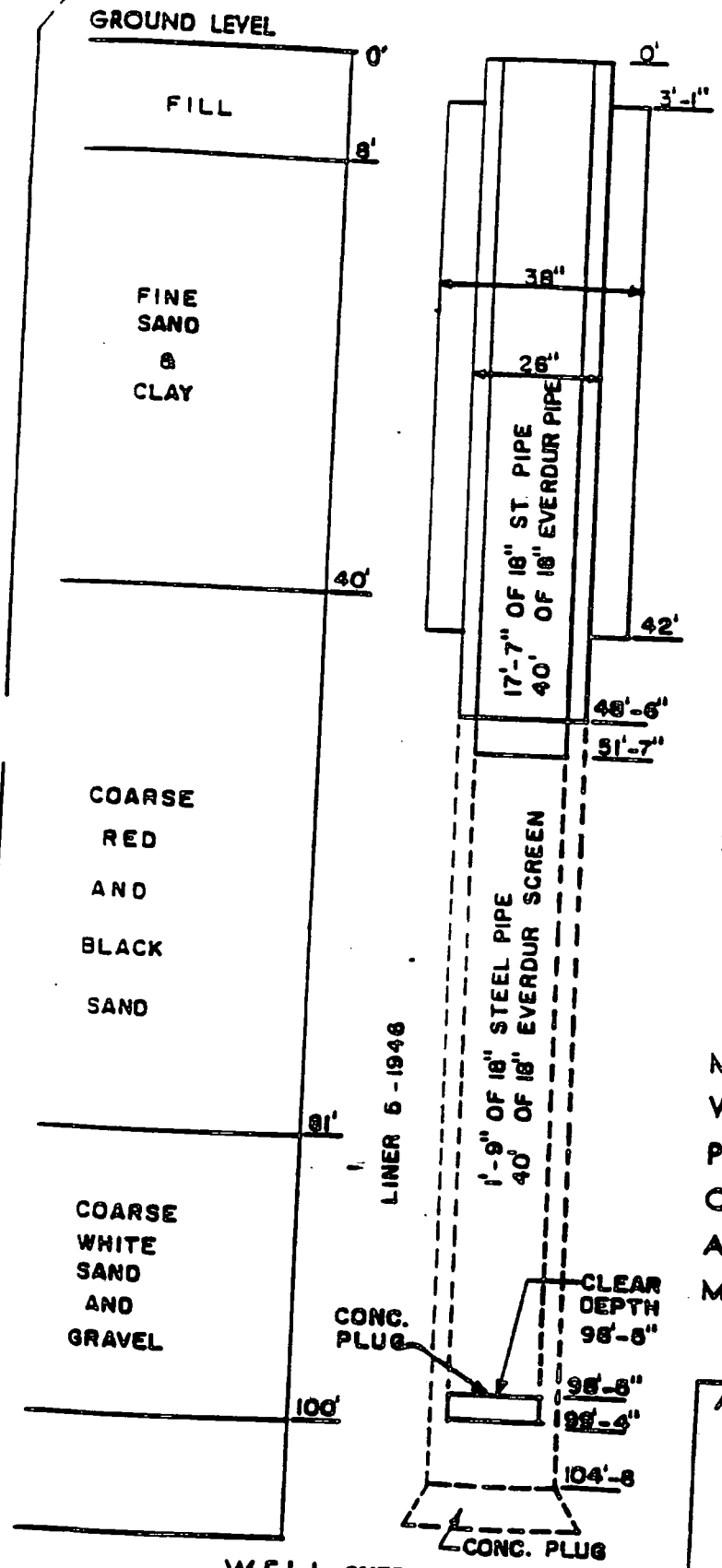
WELL NO. 1
G 301

USGS elev

ELEV. F.F. 64'-0"

DATE 3-10-60

No WELL #2



MATERIAL

PIT 39' OF 38" D. R. 6 GAUGE
48'-6" OF 26" D.R 6 GAUGE

SCREEN 43'-6" OF 26" D.R. 6 GAUGE SHUTTER 6 OPNG.

CONE 17"X26"X38" D.R. 6 GA.

PUMP

TYPE	R.M.C.	SHOP NO.	3066
SETTING	83'-3"	SIZE	18"
SUCTION	9'-2" OF 10"	STAGES	9
BASKET	- NONE	IMPELLERS	BR.
DISCHARGE	10"	HEAD	754 KMU
TUBING	3"	PRESS B.P.	86
SHAFTING	1 15/16"	AIR LINE	93'-0"

MOTOR

MAKE	G.E.	TYPE	SLIP RING
VOLTS	220	R.P.M.	866
PHASE	3	FORM	V
CYCLE	60	SERIAL	432 54 23
AMP.	242	FRAME	MT 356
MODEL	13226	H.P.	100

ACCEPTED 10-19-22

JAMAICA WATER SUPPLY CO.

WELL NO. 3
0303

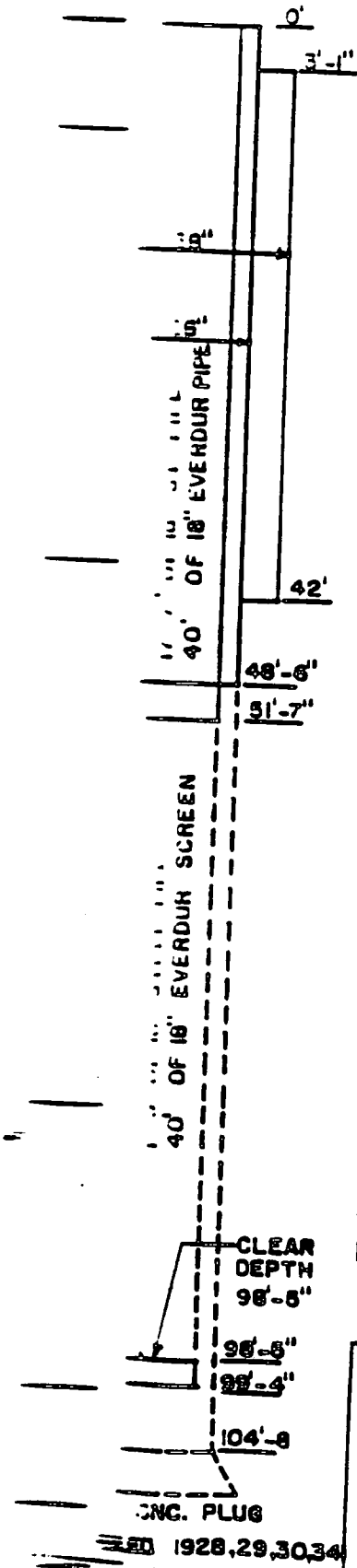
ELEV. (B.R.B. F.F.) 31.49'

DATE

WELL OVERHAULED 1928,29,30,34
1937,39,41,44,46,50,54,57,63,77

CAP. 800 GALS. GUAR. 1200 GALS. ORIG.

STARTED 4-24-22



MATERIAL

PIT 39' OF 38" D. R. 6 GAUGE
46'-6" OF 26" D.R 6 GAUGE

SCREEN 43'-6" OF 26" D.R. 6 GAUGE SHUTTER 6 O'PNG.

CONE 17"X26"X36" D.R. 6 GA.

PUMP

TYPE	R.M.C.	SHOP NO.	3066
SETTING	83'-3"	SIZE	15"
SUCTION	9' 2" OF 10"	STAGES	9
BASKET	- NONE	IMPELLERS	BR.
DISCHARGE	10"	HEAD	75 LKMU.
TUBING	3"	PRESS B.P.	66
SHAFTING	1 15/16"	AIR LINE	93'-0"

MOTOR

MAKE	G.E.	TYPE	SLIP RING
VOLTS	220	R.P.M.	865
PHASE	3	FORM	V
CYCLE	60	SERIAL	432 54 23
AMP.	242	FRAME	MT 356
MODEL	13226	H.P.	100

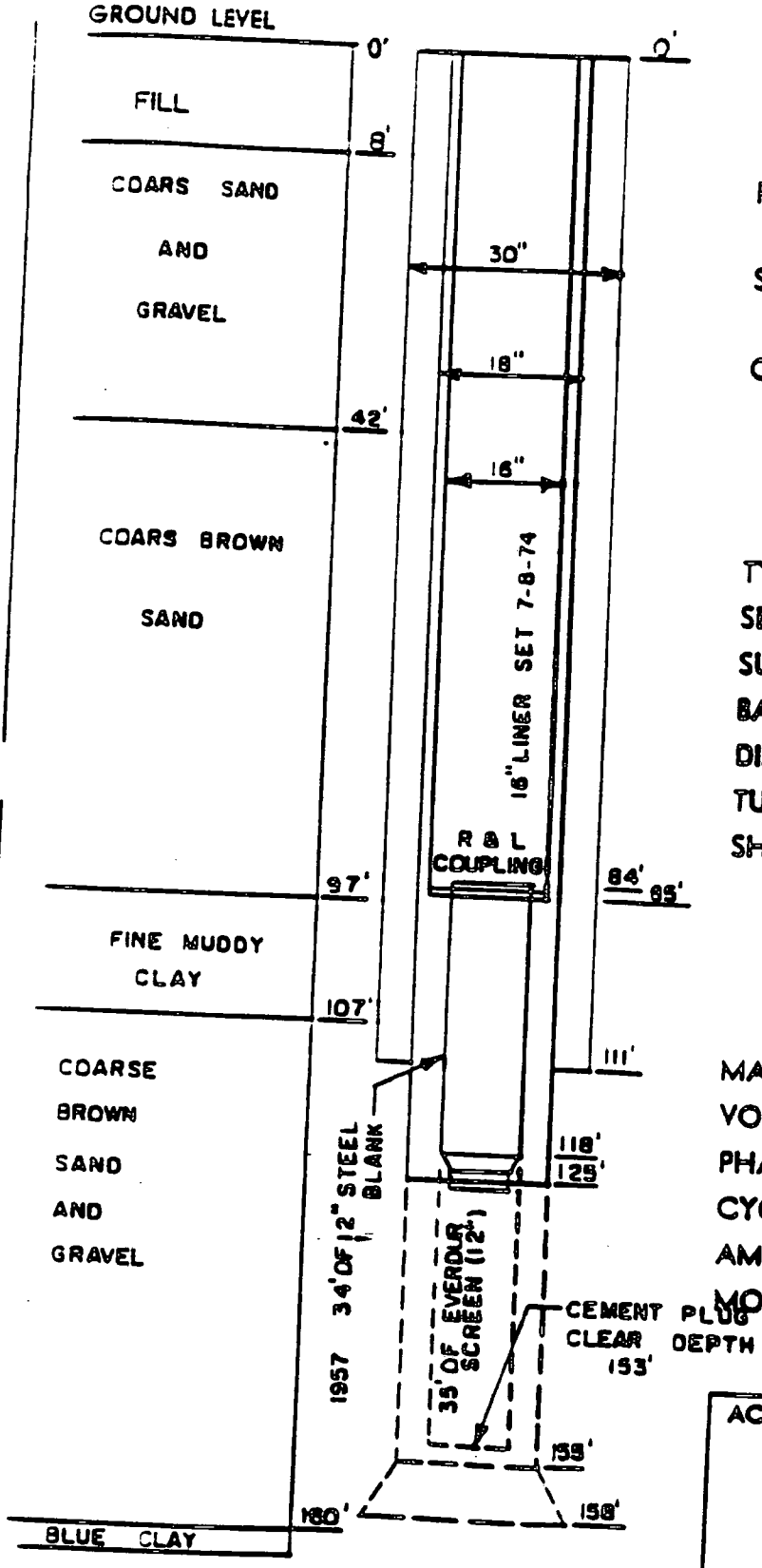
ACCEPTED 10-19-22

JAMAICA WATER SUPPLY CO.

WELL NO. 3
0303

ELEV. B.P.B. F.F. 31.49'

DATE 7-1-63



MATERIAL

PIT 111' OF 30' D.R.-6 GAUGE
125' OF 18"- NEW STYLE PIT
85' OF 16" CASING

1957
34' OF 12" STEEL
12"X10" SWAGE
2' OF 10" PIPE
1-R & L COUPLING

SCREEN 30' OF 18" NEW STYLE SCREEN
35' OF 12" EVERDUR SCREEN

CONE 1-18"X28"X38" STEEL CONE

PUMP

NEW PUMP 1-83 (WATER LUBED)

TYPE R.K.H.C.
SETTING 89'-2" S.F.
SUCTION 9'-8" OF 6"
BASKET NONE
DISCHARGE 8"
TUBING NONE
SHAFTING 1½"

SHOP NO. 5383-A
SIZE 10"
STAGES 5
IMPELLERS BR.
HEAD 75 K.M.H.
PRESS B.P. 46 #
AIR LINE 2@98'-6" B.P.

MOTOR

MAKE U.S.
VOLTS 220/440
PHASE 3
CYCLE 60
AMP. 98/49
MODEL CFU

TYPE HOLLOW SHAFT
R.P.M. 1800
FORM VERTICAL
SERIAL 2021642
FRAME 404
H.P. 40

WELL OVERHAULED 1934, 35, 37
41, 45, 52, 56, 63, 70, 74, 83

CAP. 1150 G.P.M. GUAR. 1150 G.P.M.

STARTED 8-15-29 PUMPED 9-27-29

ACCEPTED 5-31-30

JAMAICA WATER SUPPLY CO.

WELL NO. 3-A
0558

ELEV. F.F. 31.59'

DATE 10-74

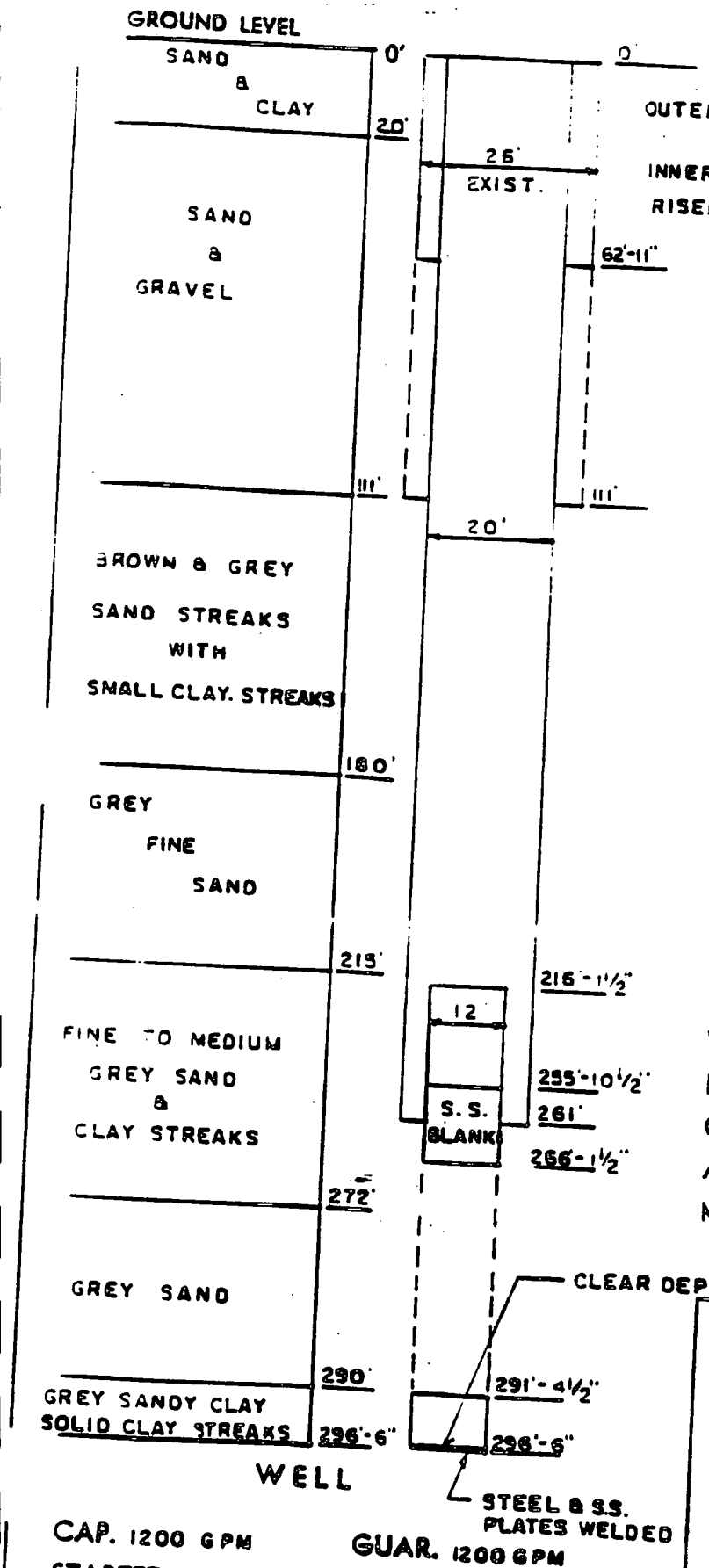
By R.M.

Dwg. No.

FORM 152—1M—J-29

WELL # 4 ABANDONED IN 19 90 .

#4



MATERIAL

OUTER CASING	62' OF 26" STEEL PIPE, WELDED 281' OF 20" (0.375 WALL) BLACK STEEL PIPE, WELDE
INNER CASING	39'-9" OF 12" (0.375 WALL) BLACK STEEL PIPE, WELD
RISER	10'-3" OF 12" NOM. 316L S.S. BLANK, WELDED
SCREEN	29'-3" OF 12" WW. JOHNSON 316L SS #50 SLOT
SUMP	5'-1-1/2" OF 12" NOM. 316L SS. BLANK WITH STEEL & SS PLATES WELDED ON BOTTOM
GRAVEL	32" DIA. GRAVEL PACKING #1 & #2 MORIE MIX

PUMP (NEW 1986)

1200 GPM @ 330' TDH

TYPE	DRLC	SHOP NO.	103532
SETTING	204' 1-½" SF	SIZE	15"
SUCTION	10' OF 10"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF 1018
TUBING	W.L.	PRESS B.P.	70#
SHAFTING	1½"	AIR LINE	214'-2" FROM B.P.

MOTOR (NEW 1986)

MAKE	U.S.	TYPE	RUE
VOLTS	460	R.P.M.	1760
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	GT-1008934202-1327
AMP.	145	FRAME	405 TP WPI
MODEL		H.P.	125

CAP. 1200 GPM
STARTED 10/17/84
GUAR. 1200 GPM
PUMPED 1261 GPM.

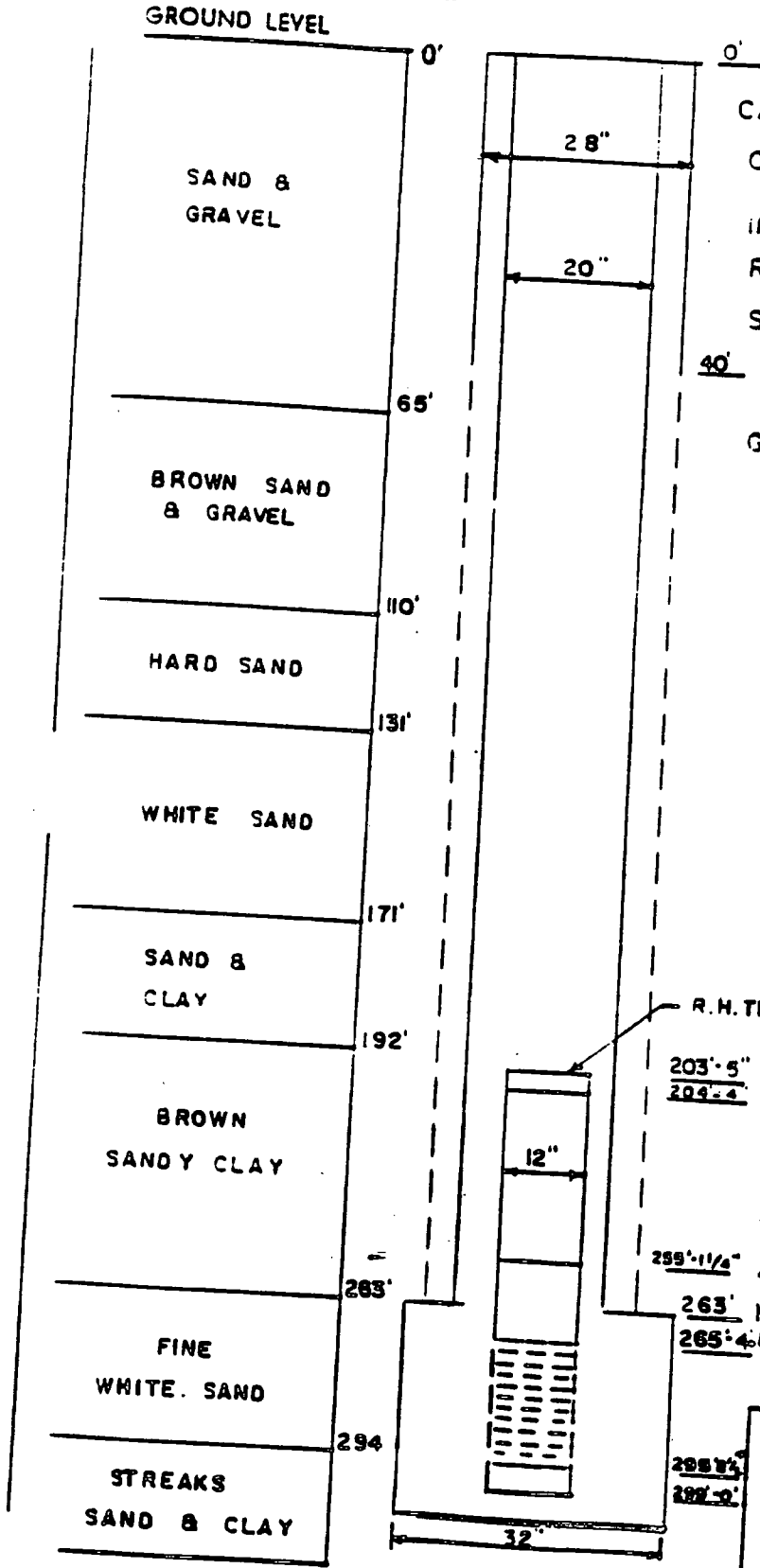
ACCEPTED 1-17-86

JAMAICA WATER SUPPLY CO.

WELL NO. 13 (REDRILL)
Q 313

ELEV. F.F. 94.30'
DATE 9/30/91
By A.I.
Dwg. No.

Form 152—131—J.39



CASINGS

OUTER { 40' OF 28" STEEL PIPE WELDED
263' OF 20" STEEL PIPE WELDED

INNER { 0'-11" OF 12" R.H. THREAD STEEL PIPE WELDED ON TO
50'-9-1/4" OF 12" NOM. 304 S.S. TIGHTWRAP

RISER 10'-3 1/4" OF 12" JOHNSON 316 SS. TIGHTWRAP

SCREEN 30'-4" OF 12" NOM. WIREWOUND JOHNSON 316 S.S. #50 SLOT (TELESCOPE SIZE)

SUMP 3'-3-1/2" JOHNSON 316 SS T.W. W/STEEL & SS PLATES WELDED ON BOTTOM

GRAVEL 32" DIA. GRAVEL PACKING 1 8" 2 MORIE MIX; 75% ON US # 16 SIEVE UC 1.7

MATERIAL
(NEW SCREEN 1990)

PUMP NEW BOWL 1990
NEW PUMP 1983
1200 GPM. @ 378' TDH

TYPE	DRLC	SHOP NO.	111753
SETTING	199'-7'	SIZE	15"
SUCTION	11'-4" OF 8"	STAGES	4
BASKET		IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLG.	HEAD	TF 1025
TUBING	3"	PRESS B.P.	
SHAFTING	1 15/16"	AIR LINE	2@ 3/8"-205' BP 1@ 3/4"-202'-0" BP

MOTOR 12./21/65

MAKE	US	TYPE	HOLLOW SHAFT
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	1363313
AMP.	302/151	FRAME	A 445-HP
MODEL	R. U.	H.P.	125

WELL

OVERHAULED 1956, 62, 66, 71, 75, 83, 90

CAP. 1200 GPM GUAR. 1200 GPM

STARTED 3-30-50 PUMPED 5-28-71

ACCEPTED 12-19-50
REDRILL 1990

JAMAICA WATER SUPPLY CO.

WELL NO. 13A
(01600)

ELEV. 94.8'

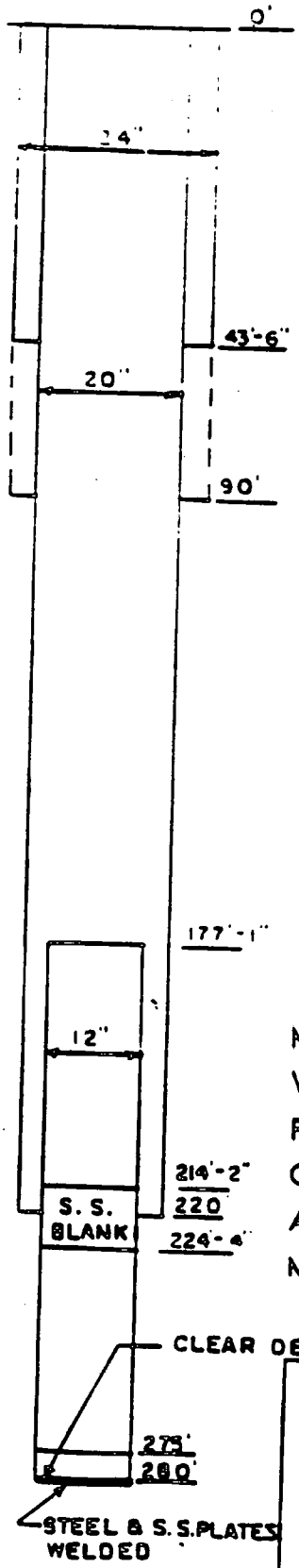
DATE 7/23/91

By A.I.

Dwg. No.

Form 152—131—J-39

GROUND LEVEL	0'
LOOSE SAND	
SAND & BOULDERS	16'
HARD SAND	19'
SAND & GRAVEL	28'
MEDIUM SAND	33'
SAND & GRAVEL	48'
FINE SILTY GREY SAND	79'
FINE TO MED. BROWN SAND	107'
BROWN SAND BITS OF CLAY	127'
FINE TO MED. GREY SAND, MICA	146'
GREY CLAY/LIGNITE,MICA	149'
REY CLAY / PYRITE	152'
TAN CLAY/STKS. FINE-MED SAND	158'
FINE-COARSE TAN SAND	163'
TAN SAND/STRKS.OF CLAY	166'
TAN CLAY/STRKS.OF SAND & HARDPAN	170'
TAN CLAY & HARDPAN	175'
FINE-MED. TAN SAND	180'
FINE-MED. TAN SAND-CLAY	184'
FINE-MED. TAN SAND	187'
TAN CLAY	200'
FINE-MED. TAN SAND	203'
FINE-CRSE MULTICOLOR SAND-STRKS CLAY & HARDPAN	219'
CRSE.SAND & GRAVEL	225'
CLAYIE SAND, BITS HARDPAN	237'
FINE-MEDIUM MULTICOLOR SAND	260'
FINE-CRSE MULTICOLOR SAND STRKS.OF GREY CLAY & HARDPAN	272'
FINE TO COARSE GREY CLAYIE SAND	296'



MATERIAL

CASINGS	
OUTER	90' OF 24" STEEL PIPE
INNER	220' OF 20" BLACK STEEL PIPE, WELDED (0.375 WALL)
RISER	37'-1" OF 12" NOM 316 L SS, WELDED
SCREEN	10'-2" OF 12" NOM 316 L S S BLANK
SUMP	50'-6" OF 12" W W JOHNSON 316L SS #55 SLOT
GRAVEL	5' OF 12" NOM 316L SS. BLANK W/STEEL & SS PLATES WELDED ON BOTTOM
	NO DATA

PUMP 1989 RESTAGE

1200GPM @ 158' TDH

TYPE	DRLC.	SHOP NO.	103533
SETTING	133'-6"-SF	SIZE	15"
SUCTION	9'-10" OF 10"	STAGES	2
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF 1018
TUBING	W L.	PRESS B.P.	
SHAFTING	1-15/16" SS	AIR LINE	2-3/8" & 1-3/4" @ 143'-4" B.P.

MOTOR NEW MOTOR 1989

MAKE	U. S.	TYPE	RUE
VOLTS	208	R.P.M.	1765
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	802R2808E137R-11
AMP.	177	FRAME	364 TP-WPI
MODEL		H.P.	60

ACCEPTED 4/23/85

JAMAICA WATER SUPPLY CO.

WELL NO. 5 (REDRILL) Q-305

B.P. ELEV. 59.51

DATE 7/25/91

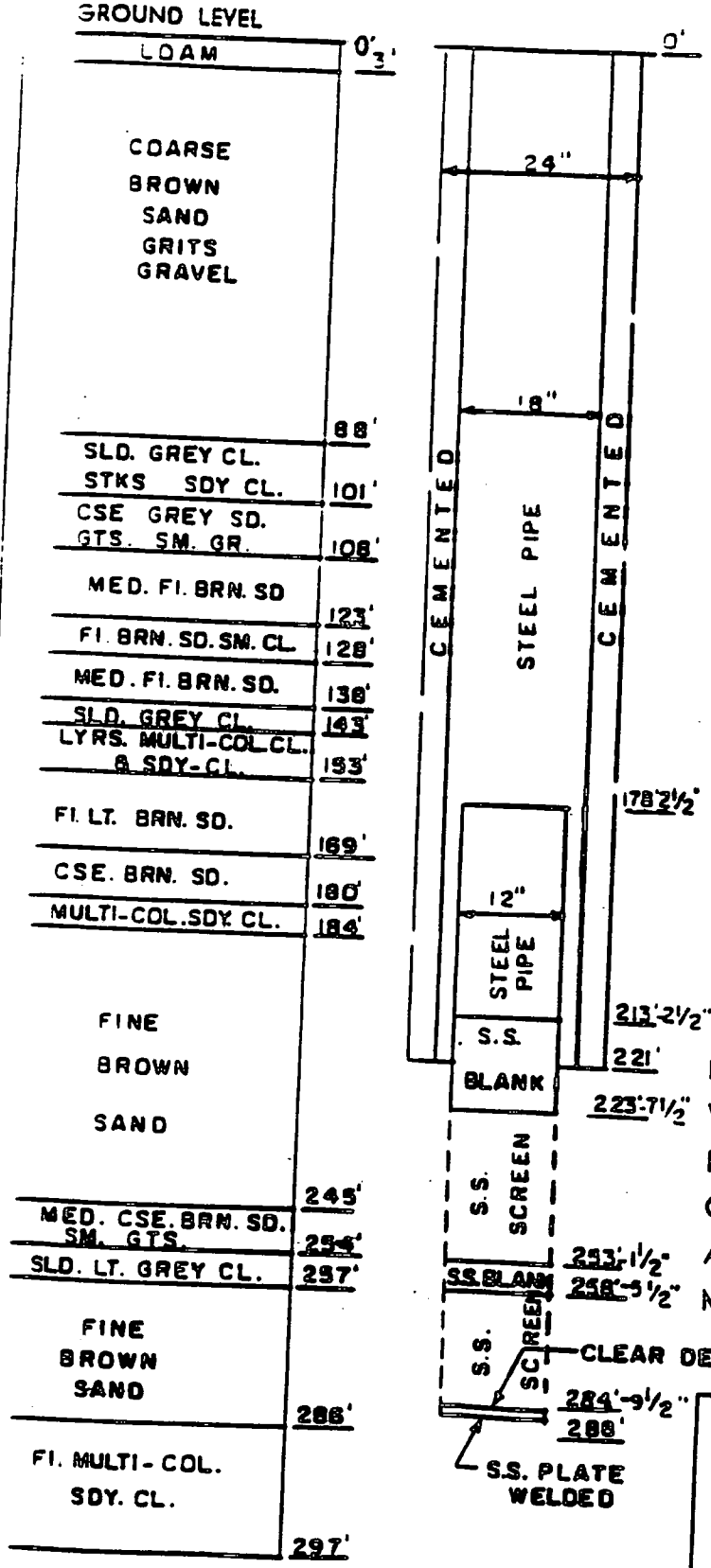
By A.I.

Dwg. No.

WELL

CAP. 1200 GUAR. 1200

STARTED 1/23/85 PUMPED 1205



MATERIAL
(NEW SCREEN 1989)

CASINGS	
OUTER	22.1' OF 18" BLACK STEEL, WELDED
INNER	35' OF 12" STEEL (0.375 WALL)
RISER	10'-5" OF 12" NOM. 316 L SS T.W.
SCREEN	29'-6" OF 12" W W JOHNSON 316 L SS #33 SLOT 5'-4" OF 12" JOHNSON 316 L SS T.W. 26'-4" OF 12" W W JOHNSON 316 L SS #33 SLOT
SUMP	3'-2-1/2" OF 12" JOHNSON 316 L SS. T.W. W/SS FLATES WELDED ON BOTTOM
GRAVEL	NO DATA

PUMP
NEW BOWL 1989
1700 GPM @ 180' TDH

TYPE	THC	SHOP NO.	61013
SETTING	143'-8"	SIZE	12"
SUCTION	9'-10" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	139'-8" OF 10"	HEAD	TF1025'
TUBING	W.L.	PRESS	B.P.
SHAFTING	1 11/16"	AIR LINE	

2-3/8" & 2-3/4 @ 196'-4"

MOTOR
NEW MOTOR 1989

MAKE	U.S.	TYPE	RUE
VOLTS	208	R.P.M.	1780
PHASE	3	FORM	VERT
CYCLE	60	SERIAL	B410/605R323R024R-1
AMP.	285	FRAME	404 TP
MODEL		H.P.	100

ACCEPTED 1955

JAMAICA WATER SUPPLY CO.

WELL NO. 5A
01957

ELEV. 59.46' B.P.

DATE 10/4/91

By

Dwg. No.

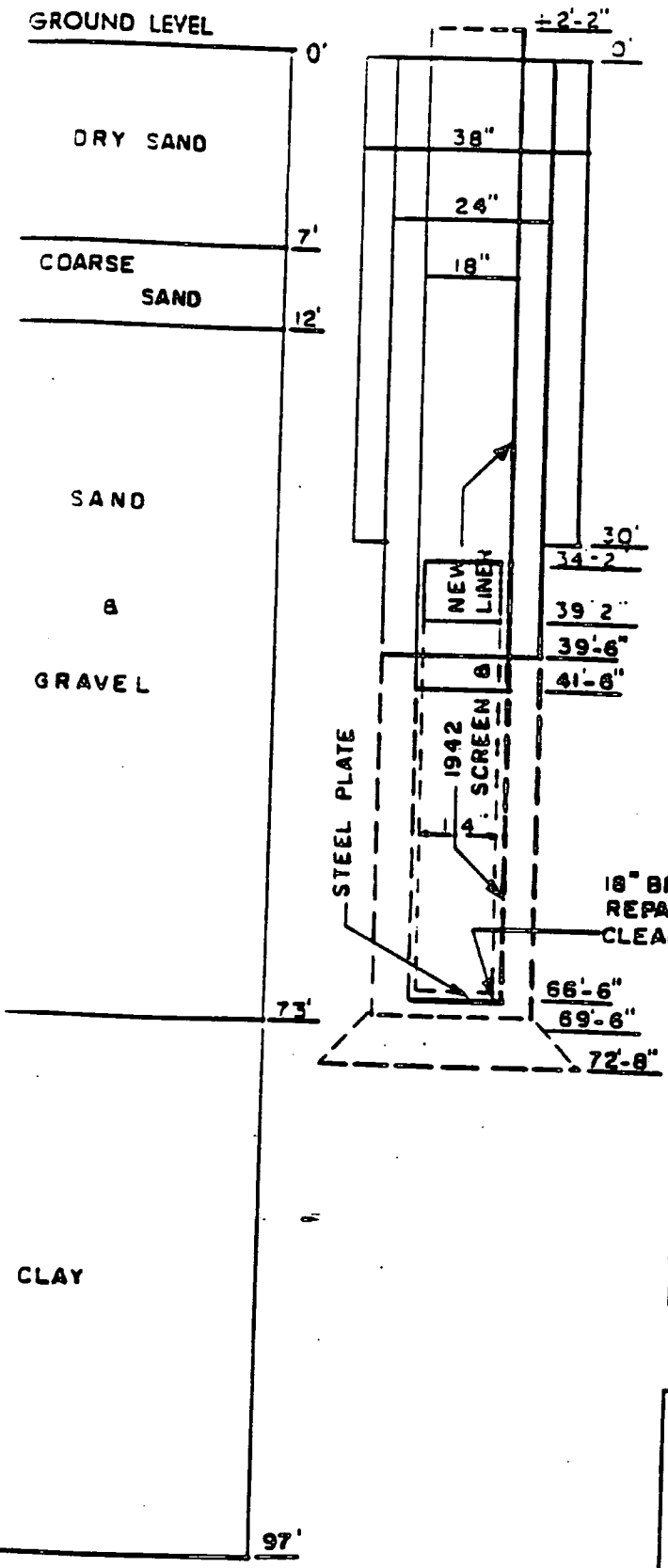
WELL OVERHAULED 1984, 69, 73, 79

CAP. 1700 GUAR. 1700

STARTED 3-1-54 PUMPED 1989

Form 152—1 M—3-39

SCREEN AND LINER 1978
5 OF 14" PIPE
25' OF 14" O.D. COOK SCREEN #70 SLOT



MATERIAL

PIT 30' OF 38" D.R. 6 GAUGE
40' OF 24" D.R. "
43'-8" OF 18" STEEL PIPE

SCREEN 30' OF 24" D R 6 GA SHUTTER #6 OP'NG
25' OF 18" BRONZE SCREEN

CONE 24" X 38" X 57" D.R. 6 GAUGE

PUMP NEW 2-75

TYPE R K.S.M.
SETTING 53'-8 1/2"
SUCTION 9'-10" OF 8"
BASKET NONE
DISCHARGE 10" FL.
TUBING 3"
SHAFTING 1 15/16"

SHOP NO. 3254 A
SIZE 12"
STAGES 3
IMPELLERS 8 R.
HEAD 83 MA
PRESS B.P. 18
AIR LINE 2 AT 82'-6"

18" BRONZE SCREEN PULLED, REPAIRED, REPLACED, 1960
CLEAR DEPTH 65'-0"

MOTOR

MAKE G.E.
VOLTS 220
PHASE 3
CYCLE 60
AMP. 62
MODEL 4378

TYPE SQ. CAGE
R.P.M. 1150
FORM A
SERIAL 4026867
FRAME K.T. 322
H.P. 25

WELL OVERHAULED 1924, 30, 34, 38, 42, 45, 49, 54, 56, 60, 64, 70, 75, 78, 80

CAP. 1200 G.P.M. GUAR.

STARTED 9-25-23 PUMPED 11-13-23

ACCEPTED 1-3-25

JAMAICA WATER SUPPLY CO.

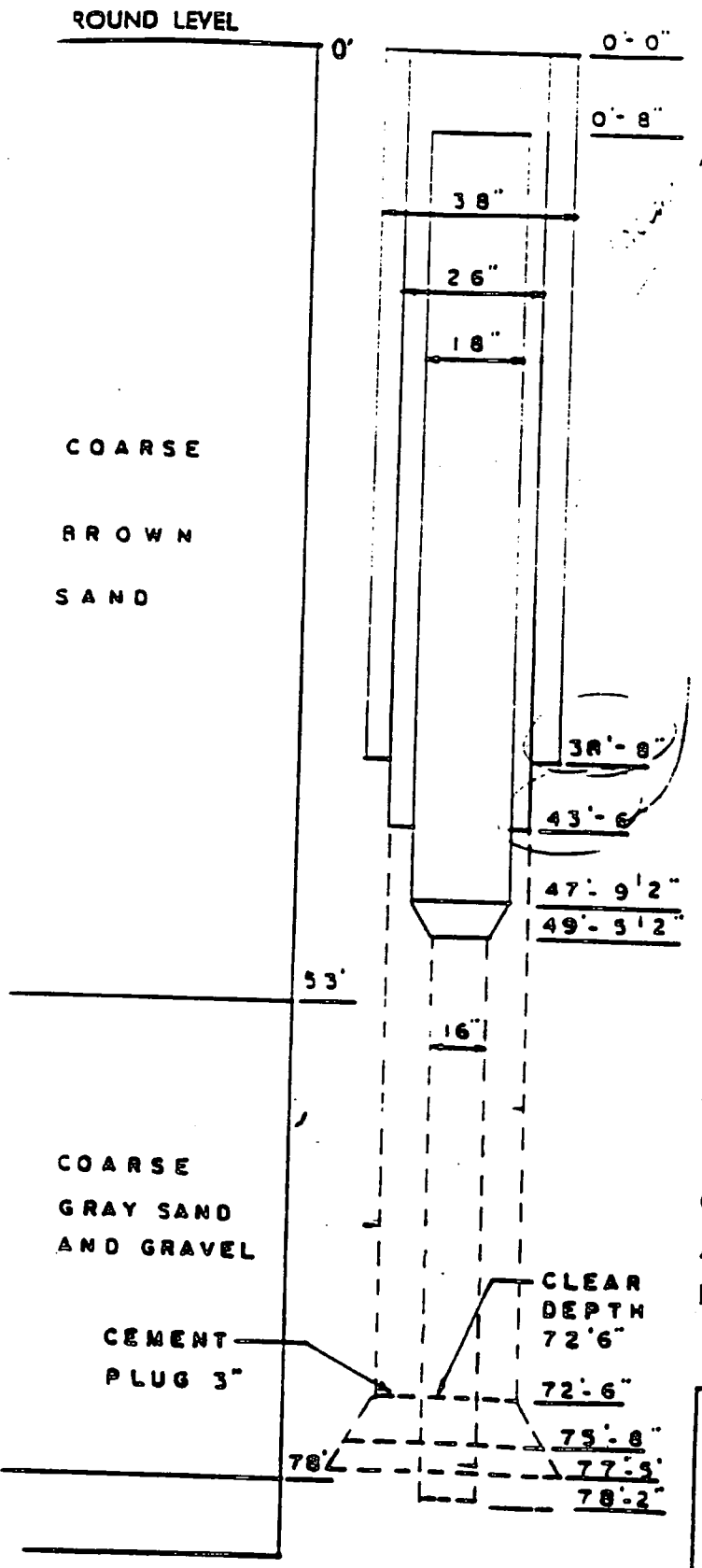
WELL NO. 6
0306

ELEV. B.P. 22.80'

DATE 4-75

By R.M.

Dwg. No.



MATERIAL

PIT 40' OF 38" O.R. 6 GA.
45' OF ~~28"~~ 26" O.R. 6 GA.

SCREEN 30' OF 26" O.R. 6 GA. SHUTTER 6 OP'N'G.

CONE 26" X 36" X 59" O.R. 6 GA.

PUMP 1978

TYPE	RKBH	SHOP NO.	3713
SETTING	62'-10" S.F.	SIZE	12"
SUCTION	4'-11" OF 8"	STAGES	2
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10"	HEAD	TF 1018
TUBING	2 1/2" AND 3"	PRESS B.P.	15
SHAFTING	1 15/16 AND 1 1/2"	AIR LINE	2 @ 67'-9" B.P.

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	440/220	R.P.M.	1800
PHASE	3	FORM	V
CYCLE	60	SERIAL	887528
AMP.	49/98	FRAME	404-1
MODEL	C.F.U.	H.P.	40

WELL OVERHAULED 1928, 30, 34
1938, 42, 45, 49, 50, 51, 55, 60, 64, 66, 69, 75, 78, 82

CAP. 1200 GPM GUAR. 1200 GPM

STARTED 7-20-25 PUMPED 8-9-25

ACCEPTED 12-5-25

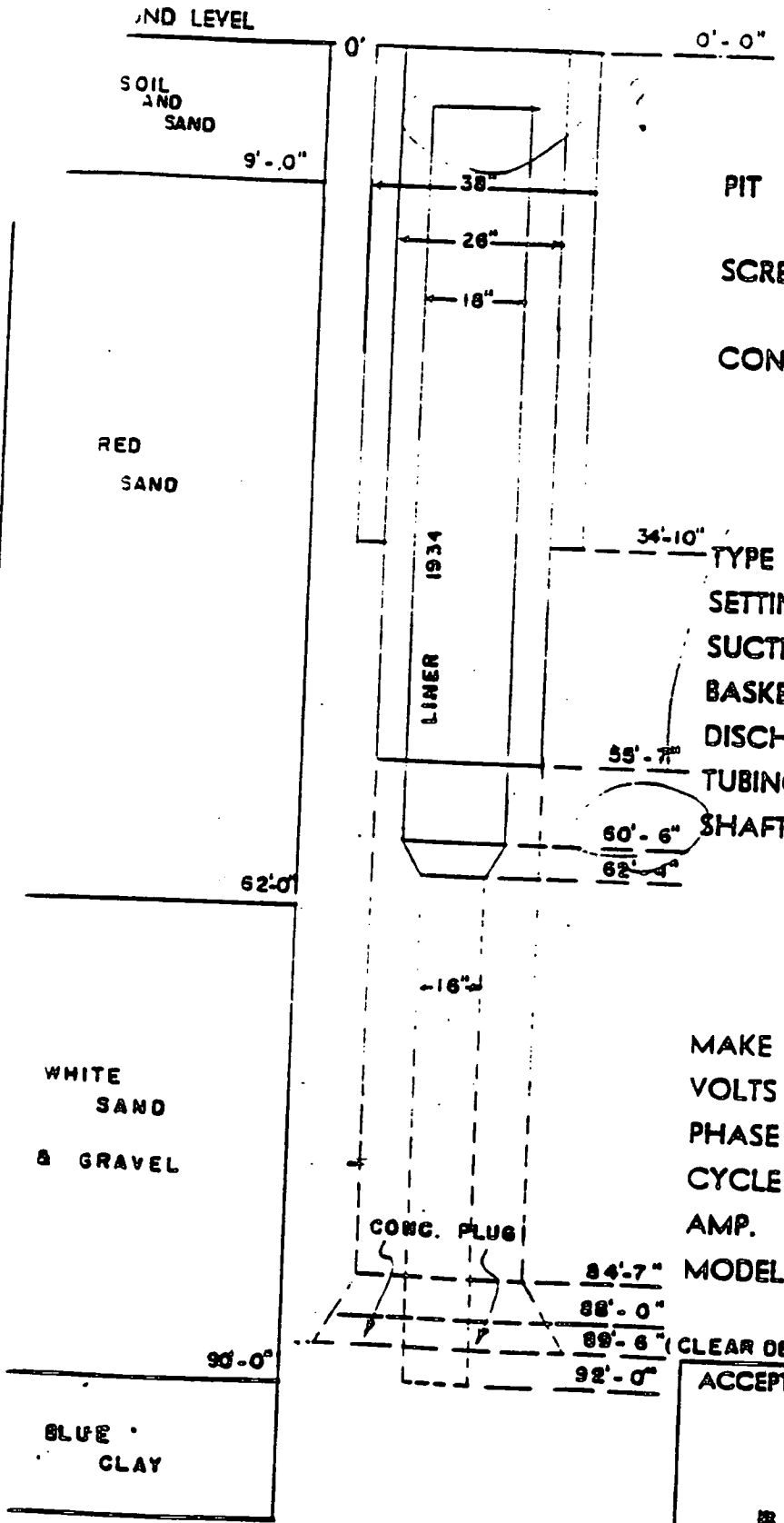
JAMAICA WATER SUPPLY CO.

WELL NO. 6 A
0 560

ELEV. B.P 25.23' DATE 9-9-75

By R M

Dwg. No.



MATERIAL

PIT 35' OF 38" D.R. 6 GA.
55'-7" OF 26" " " "

SCREEN 30' OF 26" D.R. 6 GA. SHUTTER 6 OPN'S.

CONE 26" X 36" X 59" D.R. 6 GA.

PUMP

TYPE	P.M.C.	SHOP NO.	3714
SETTING	42'-4"	SIZE	18"
SUCTION	19'-11" OF 10'	STAGES	2
BASKET		IMPELLERS	BR.
DISCHARGE	10"	HEAD	63 MA.
TUBING	3"	PRESS B.P.	15#
SHAFTING	1 15/16"	AIR LINE	62'

MOTOR

MAKE	G.E.	TYPE	SQ.CAGE
VOLTS	440	R.P.M.	1160
PHASE	3	FORM	V
CYCLE	60	SERIAL	440 42 03
AMP.	31	FRAME	KT 522
MODEL	17514	H.P.	25

ACCEPTED 12-5-25

JAMAICA WATER SUPPLY CO.

WELL NO. 68
Q 561

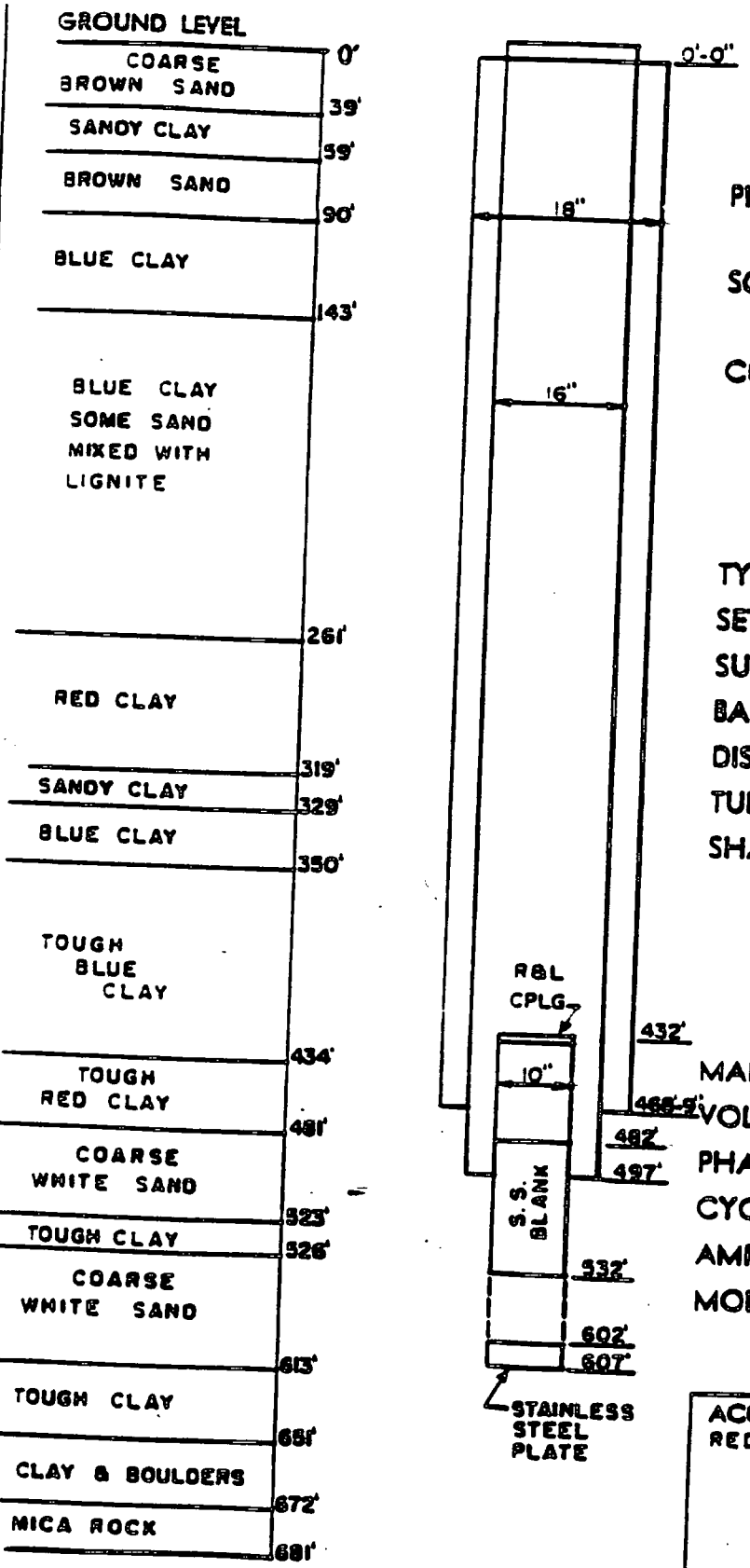
ELEV. BP 25.33'

DATE 4-47

WELL OVERHAULED - 1928, 30, 34, 1938, 42, 44, 45, 47, 49, 55, 59

CAP. 1200 GALS. GUAR. 1200 GALS.

STARTED 8-1-25 PUMPED 8-24-25



MATERIAL

468' OF 18" O.D. PIPE 3/8" WELDED (RETIRED PREVIOUSLY)

PIT
497' OF 16" O.D. STEEL PIPE WELDED
50' OF 10" I.D. STEEL PIPE WELDED
50' OF 10" I.D. STAINLESS STEEL BLANK
} NEW 9/72

SCREEN 70' OF 10" STAINLESS STEEL

CONE 5' OF 10" STAINLESS STEEL BLANK
STAINLESS STEEL PLATE

PUMP 9/72

TYPE	THC	SHOP NO.	59881A
SETTING	185'-1"	SIZE	12"
SUCTION	9'-8" OF 10"	STAGES	4
BASKET	NONE	IMPELLERS	8R
DISCHARGE	10" 10' LGTHS FLGD.	HEAD	TF 1025
TUBING	3"	PRESS B.P.	20 LBS.
SHAFTING	1 15/16"	AIR LINE	194'-6"

MOTOR 5/69

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208	R.P.M.	1770
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	C100386
AMP.	376	FRAME	1445P
MODEL	RU	H.P.	150

ACCEPTED 8-14-39
REDRILLED 9/72

JAMAICA WATER SUPPLY CO.

WELL NO. 6C
Q562

ELEV. B.P. 26.31'

DATE 9-25-72

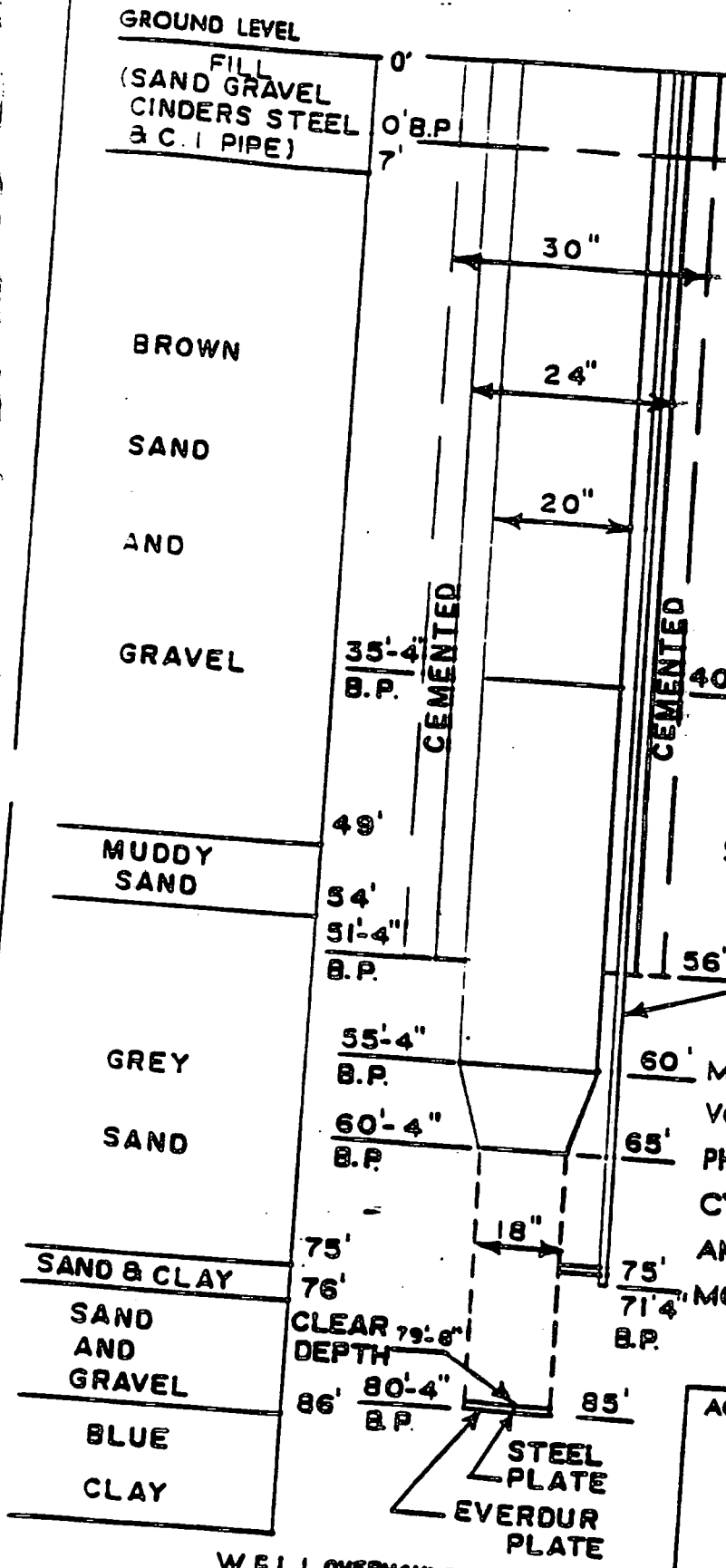
WELL OVERHAULED 1938, 42, 45, 48, 50, 1951, 55, 60, 66, 69, 72, 79

CAP. 1800 GPM

GUAR. 1800 GPM

STARTED 11-26-34

PUMPED



MATERIAL

56' OF 24" STEEL PIPE WELDED ✓
40' OF 20" STEEL PIPE WELDED ✓
20' OF 20" EVERDUR BLANK WELDED
5' OF 18" TO 20" EVERDUR SWEDGE WELDE
75' OF 1¼" RED BRASS PIPE, T.&C.

SCREEN 20' OF 18" EVERDUR

CONE 1-STEEL PLATE WELDED
1-EVERDUR PLATE WELDED

PUMP NEW 1979

TYPE RKEH
SETTING 73'-4½" S.F.
SUCTION 2'-9" OF 6"
BASKET NONE
DISCHARGE CEMENT LINED 10"x10" FLG.
TUBING 2½"
SHAFTING 1½"

SHOP NO. 230898
SIZE 10"
STAGES 3
IMPELLERS BRONZE
HEAD T.F. 1025
PRESS B.P. [illegible]
AIR LINE 74-6" B.P.

MOTOR 7-72

MAKE U.S.
VOLTS 220-440 (208)
PHASE 3
CYCLE 60
AMP. 128
MODEL CFU

HOLLOW SHAFT
TYPE CFU
R.P.M. 1800
FORM VERT.
SERIAL 2936854
FRAME 365 U P
H.P. 50

WELL OVERHAULED 1955, 62, 68, 74, 79

CAP.
GUAR. 800
STARTED 1-24-52
PUMPED 9-24-52

ACCEPTED 10-7-52

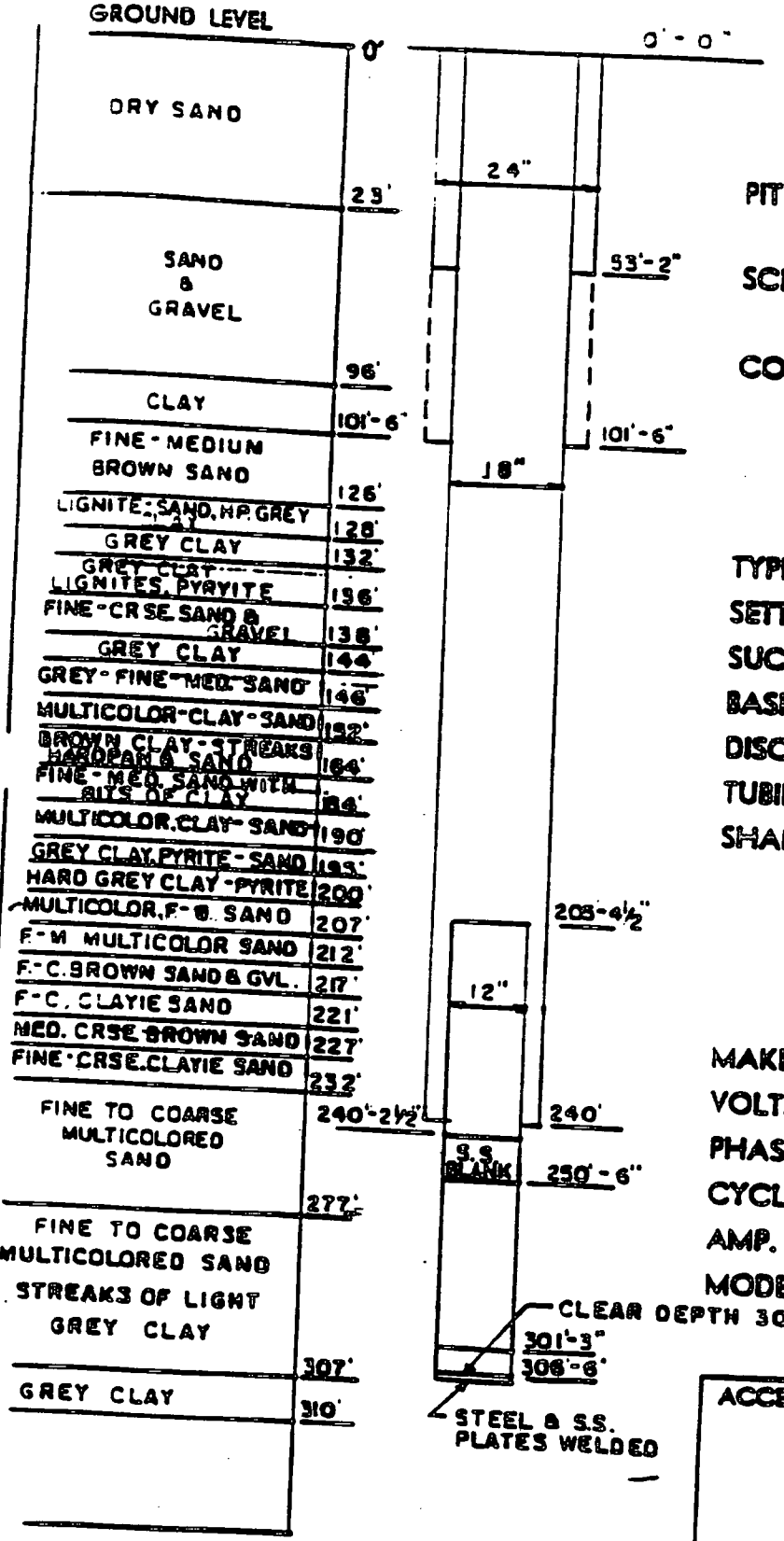
JAMAICA WATER SUPPLY CO.

WELL NO. 6D
(Q1839)

ELEV. 220.6

DATE 3-12-74

By R.M.



MATERIAL

PIT
101'-6" OF 24" PIPE
240' OF 18" x .375" BLACK STEEL PIPE WELDED
34'-10" OF 12" x .375" BLACK STEEL PIPE, WELDED
15' OF 12" 316L S.S. BLANK, WELDED

SCREEN 50'-9" OF 12" NOM. 316L S.S. WIRE WRAP WITH #50 SLOT

CONE STEEL & SS PLATES, WELDED

PUMP

TYPE	CL	SHOP NO.	103869
SETTING	136'-2" SF	SIZE	13"
SUCTION	9'-11" OF 10"	STAGES	9
BASKET		IMPELLERS	BRONZE
DISCHARGE	10" CPLD	HEAD	TF-1025
TUBING	W.L	PRESS B.P.	
SHAFTING	1½"	AIR LINE	146'-B.P.

MOTOR

MAKE	U.S.	TYPE	RUE
VOLTS	460	R.P.M.	1780
PHASE	3	FORM	
CYCLE	60	SERIAL	RL801988-212
AMP.	145	FRAME	405TP
MODEL	HOLLOW SHAFT	H.P.	125

WELL

CAP.

STARTED 3-1-85

GUAR. 1400 GPM

PUMPED

ACCEPTED

JAMAICA WATER SUPPLY CO.

WELL NO. 7 RE DRILL 1985
Q 307

ELEV. B P 67.06'

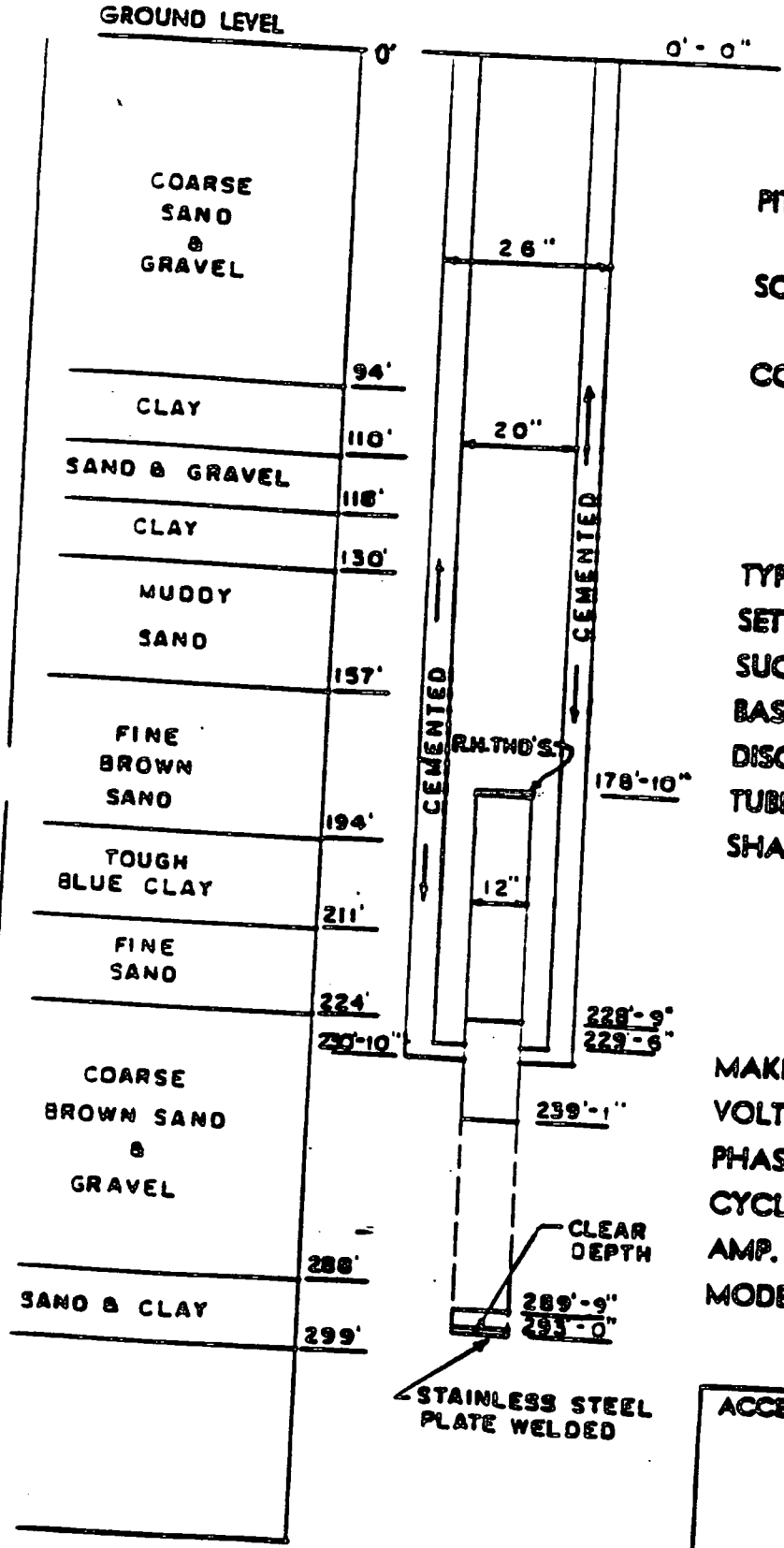
DATE 1-13-86

By A. I.

Dwg. No.

Form 153—1M—3.39

WELL # 7A ABANDONED IN 19 86.



MATERIAL

PIT	230'-10" OF 26" O.R. WELDED 1/4" 229'-6" OF 20"X.375" BLACK STEEL PIPE WELDE 50' OF 12"X.375" BLACK STEEL PIPE WELDED 13' OF 12"X.188" TIGHT WRAP 316L S.S.
SCREEN	50' OF 12" NOM. JOHNSON - 316 L S.S.
CONE	316 S.S. PLATE WELDED

PUMP

TYPE	ORLC	SHOP NO.	103016
SETTING	154'-4" SF	SIZE	19"
SUCTION	10' OF 10"Ø	STAGES	3
BASKET	—	IMPELLERS	BRONZE
DISCHARGE		HEAD	TF-1018
TUBING	NO W.L.	PRESS B.P.	
SHAFTING	1 1/2" S.S.	AIR LINE	163'-10" B.P.

MOTOR

MAKE	U.S.	TYPE	R U.
VOLTS	230/460	R.P.M.	1780
PHASE	3	FORM	
CYCLE	60	SERIAL	R 2119759
AMP.	145/290	FRAME	405 TP
MODEL	VHS WPI	H.P.	125

WELL

CAP. 1200 GPM GUAR.

STARTED 4-25-84 PUMPED

ACCEPTED 10/9/84

JAMAICA WATER SUPPLY CO.

WELL NO. 78 RE-DRILL
Q564

ELEV. 67.57 B.P.

DATE 3-85

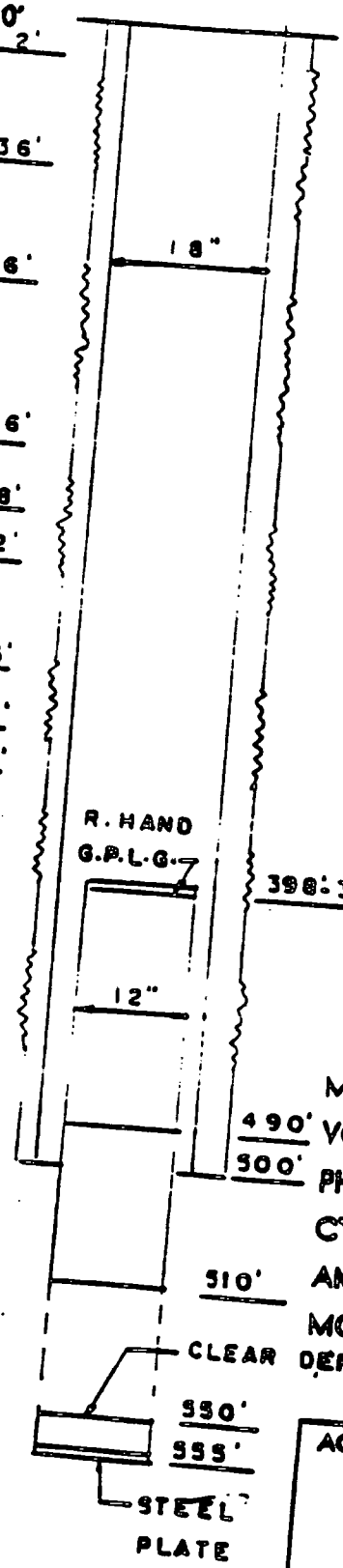
By A. I.

Dwg. No.

WELL # 8 ABANDONED IN 19 90.

GROUND LEVEL

LOAM	0'
FINE MED TO COARSE BRN. SAND AND BOULDER	2'
FINE TO MEDIUM BROWN SAND	36'
FINE MED. TO COURSE BROWN SAND GRITS GRAVEL	66'
COARSE BRWN. SAND GRAVEL, GREY, CLAY STKS	136'
GREY CLAY	138'
SOLID GREY CLAY AND BROWN CLAY	182'
FINE GREY SAND LIGNITE + PYRITES	263'
BROWN CLAY	268'
FINE GREY SAND GREY CLAY STREAKS	272'
FINE BROWN SAND MICA STREAKS OF BRWN AND GREY CLAY	326'
HARD GREY CLAY RYRITE + LIGNITE	435'
FINE GREY SAND GREY CLAY STKS.	480'
GREY SANDY CLAY	503'
FINE COARSE GREY SAND AND GRAVEL	506'
FINE TO MED. COARSE WHITE SAND + GRAVEL	508'
COARSE WHITE SAND GRAVEL WHITE GRAVEL	558'
SOLID WHITE CLAY AND GRAVEL	562'
HARD SOLID GREY CLAY	566'
	568'



MATERIAL

PIT 500' OF 18" STEEL PIPE WELDED
100' OF 12" STEEL PIPE WELDED
25' OF 12" STAINLESS STEEL PIPE

SCREEN 40' OF 12" STAINLESS STEEL 7 GAUGE NO 7 1/2 SLOT

CONE STEEL & STAINLESS STEEL PLA

PUMP

TYPE RKBH
SETTING 186'
SUCTION 10' OF 8"
BASKET NONE
DISCHARGE 10"
TUBING WL
SHAFTING 1 1/2"

SHOP NO. 82514
SIZE 12"
STAGES 5
IMPELLERS BRONZE
HEAD TF-1025
PRESS B.P. 50 #
AIR LINE 195'-10"

MOTOR

MAKE GE
VOLTS 208-416
PHASE 3
CYCLE 60
AMP. 300-150
MODEL 5M4445XEZE

TYPE N
R.P.M. 1745
FORM V
SERIAL SSJ515218
FRAME 445 UVY
H.P. 125

ACCEPTED 9-9-76

JAMAICA WATER SUPPLY CO.

WELL NO. 8A
Q-3069

ELEV. 62-805' BP

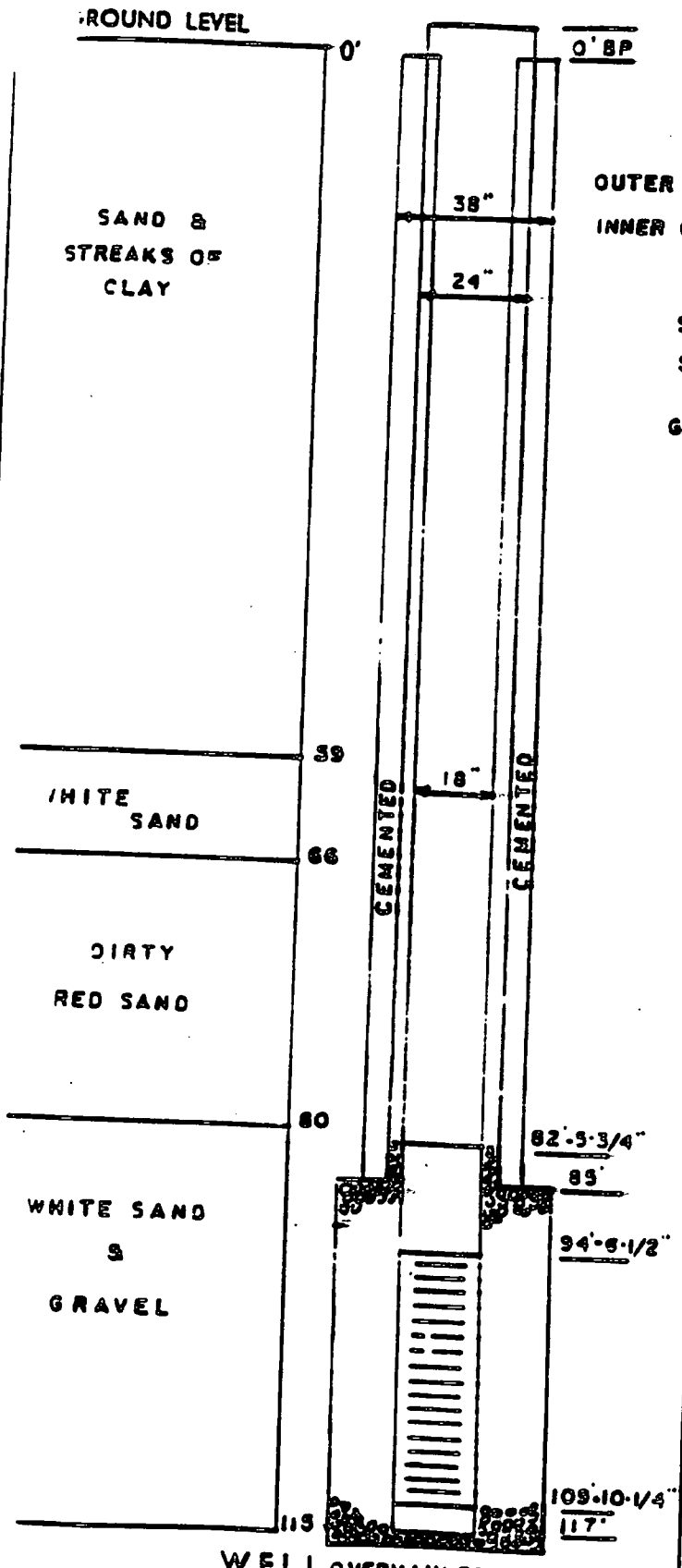
By F.B.

DATE AUG 9-77

WELL

CAP. 1000
STARTED 6-17-76
GUAR. 1000
PUMPED 9-9-76

Form 153—1M—J.39



WELL OVERHAULED - 1928, 35, 40, 47
1959, 65, 90

CAP. 1180 GPM GUAR. 1180 GPM

STARTED 7-24-24 PUMPED 8-16-24

MATERIAL

(NEW SCREEN 1991)

OUTER CASING	85' OF 38" DR 6 GAUGE 85' OF 24" STEEL PIPE WELDED
INNER CASING	82'-5-3/4" OF 18" 304 SS PIPE, WELDED
RISER	12'-0-3/4" OF 18" JOHNSON 316L SS T.W.
SCREEN	19'-3-3/4" OF 18" WW JOHNSON 316L SS #95 SLOT
SUMP	7'-1-3/4" OF 18" JOHNSON 316L SS. TW. WITH STEEL & SS PLATES WELDED ON BOTTOM
GRAVEL	38" DIA. GRAVEL PACKING #2 & #3 MORIE MIA. 71% RETAINED ON US #14 SEIVE UC ≐1.7

PUMP (NEW PUMP 1991)

700 GPM @ 275' TDH

TYPE	(LAYNE) RKBL	SHOP NO.	3396
SETTING	105'-4"	SIZE	12"
SUCTION	9'-10" of 10" Cpld.	STAGES	9
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10"	HEAD	10-18
TUBING	WL	PRESS B.P.	70
SHAFTING	1-1/2"	AIR LINE	(2) 3/8" @ 105'-4" (2) 3/4" @ 105'-4"

MOTOR (NEW MOTOR 1991)

MAKE	U S	TYPE	RUE
VOLTS	230/460	R.P.M.	1775
PHASE	3	FORM	V
CYCLE	60	SERIAL	840ST09T067R010R2
AMP.	138/69	FRAME	364TPWP1
MODEL	8	H.P.	60

ACCEPTED 2-4-25

JAMAICA WATER SUPPLY CO.

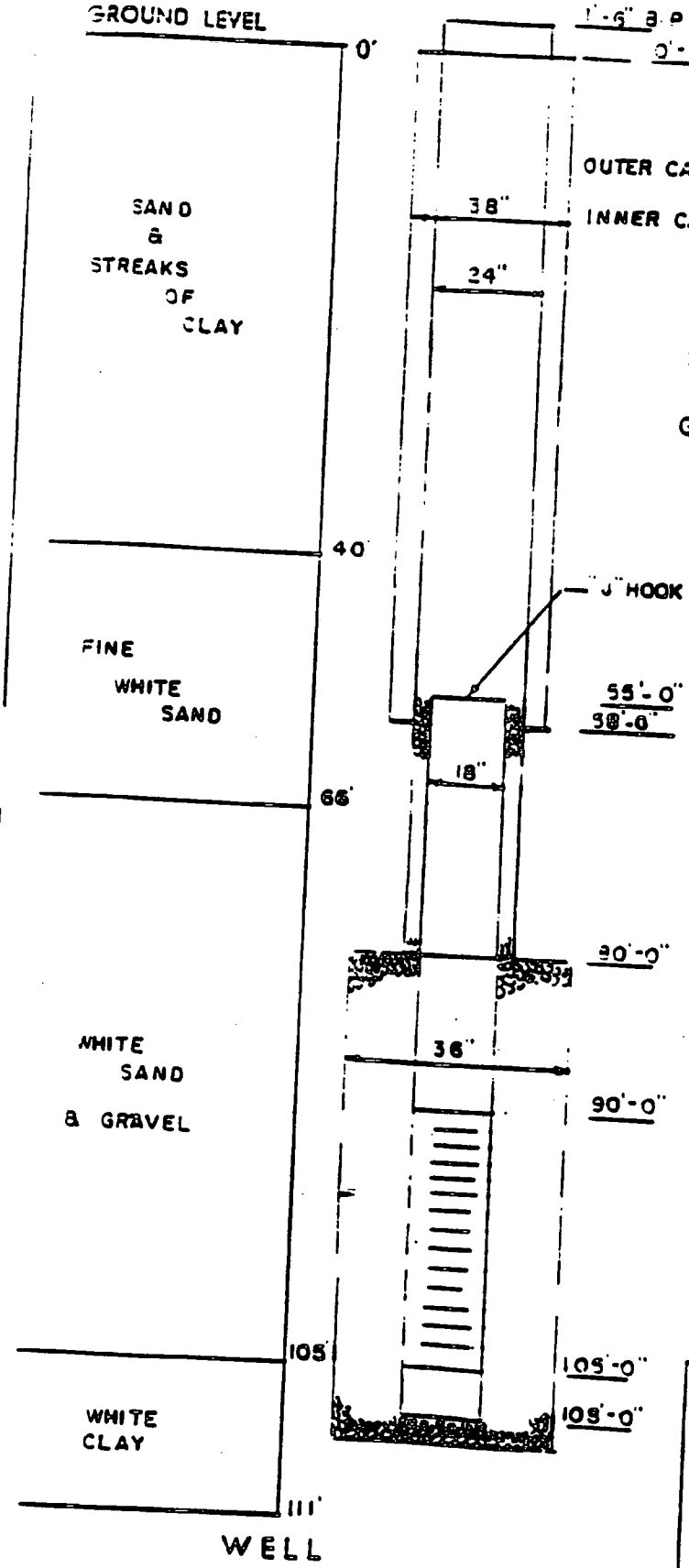
WELL NO. 9
N 14

ELEV. BP 99.21' DATE 8-30-91

By A. I.

Dwg. No.

Form 132—1M—3-10



MATERIAL
(NEW SCREEN 1989)

OUTER CASING	60' OF 38" DR 6 GAUGE
INNER CASING	80 OF 24" DR 6 GAUGE
RISER	25' OF 18" 304 S.S. Tightwrap
	10 OF 18" JOHNSON 316L SS. Tightwrap
SCREEN	15' of 18" Wire Wound Johnson 316L S.S. #50 Slot
SUMP	3' OF 18" 316L SS. T.W. W/STEEL & SS PLATES WELDED ON BOTTOM
GRAVEL	36" DIA. GRAVEL PACKING #1 & #2 MORIE MIX; 78% RETAINED ON US #16 SIEVE UC ≤ 1.7

PUMP NEW 1989
700 G.P.M. @ 285' TDH

TYPE	RKBL	SHOP NO.	
SETTING	95'-3" SF	SIZE	12"
SUCTION	4'-10" of 8"	STAGES	5
BASKET		IMPELLERS	8R
DISCHARGE	10" Cpld.	HEAD	TF1025
TUBING	WL	PRESS B.P.	
SHAFTING	1-1/2" SS	AIR LINE	2-3/8" @ 100' 1-3/4" @ 100'

MOTOR NEW 1989

MAKE	US	TYPE	RU
VOLTS	230/460	R.P.M.	1770
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	6326-902R322 R1724-19
AMP.	176/88	FRAME	365TP
MODEL		H.P.	75

ACCEPTED 2-25-25
REDRILL 6/89

JAMAICA WATER SUPPLY CO.

WELL NO. 10
Q 310

ELEV. F.F. 44.5'

DATE 8/7/91

By A. I.

Dwg. No.

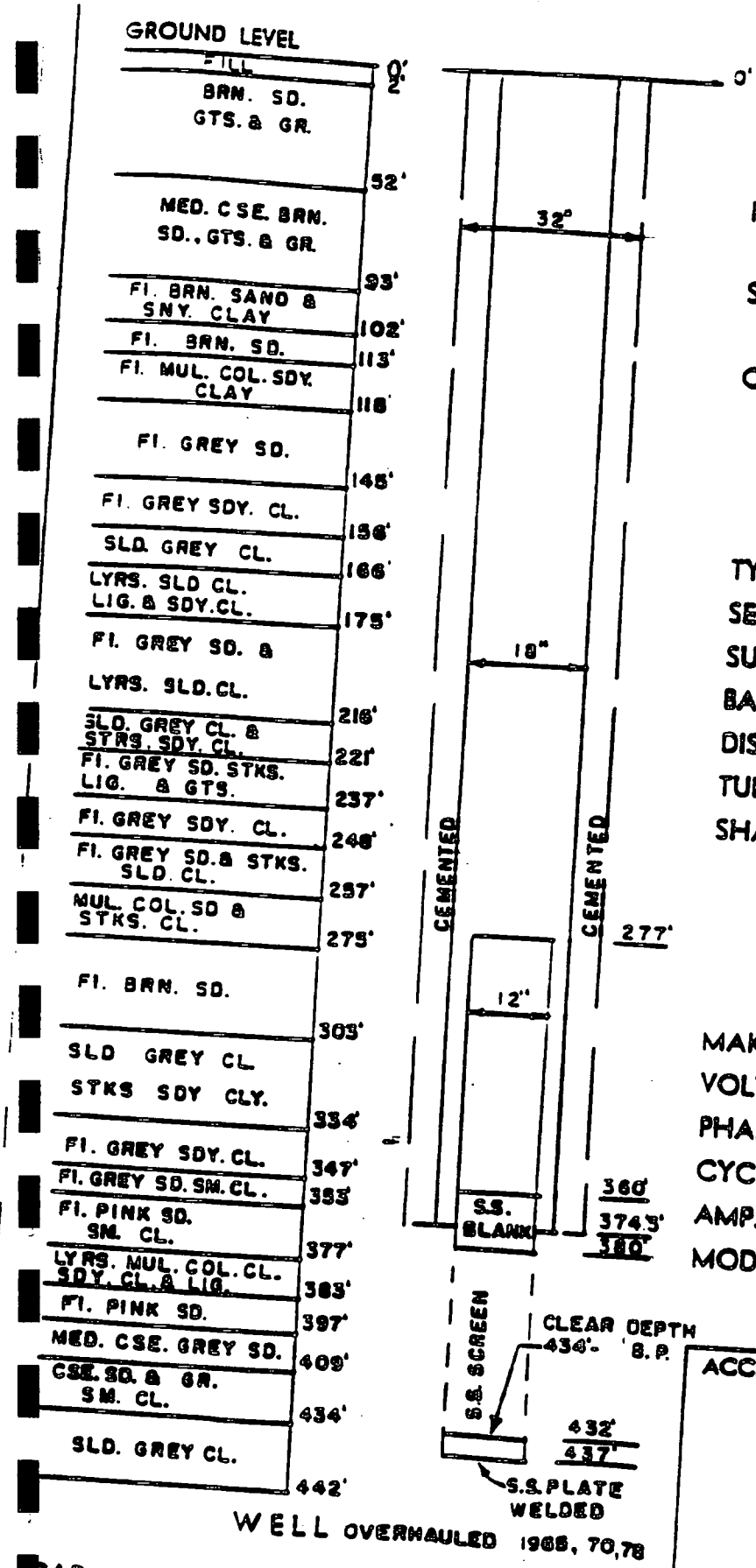
CAP. 700

STARTED

GUAR.

PUMPED

Form 137-1M-1-72



MATERIAL

PIT	374.5' OF 18" STEEL, WELDED 83'-OF 12" " " 25' OF 12" STAINLESS STEEL, WELDED
SCREEN	12" STAINLESS STEEL #70 SLOT
CONE	STAINLESS STEEL PLATE, WELDED

PUMP LAYNE 10/70

TYPE	T-SPECIAL JOHNSON COLUMN	SHOP NO.	63131
SETTING	123'-7"	SIZE	14"
SUCTION	9'-9" OF 10"	STAGES	4
BASKET		IMPELLERS	BRONZE
DISCHARGE	10" FLDG	HEAD	TYPE A JOHNSON
TUBING	2 1/2"	PRESS B.P.	
SHAFTING	1 11/16"	AIR LINE	1-135' 1-119'

MOTOR 10/70

MAKE	U.S.	TYPE	RU.
VOLTS	208	R.P.M.	1770
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	C1004566
AMP.	391	FRAME	444 TP
MODEL	HOLLOW SHAFT	H.P.	180

WELL OVERHAULED 1965, 70, 78

CAP. 1800 GUAR. 1800

STARTER

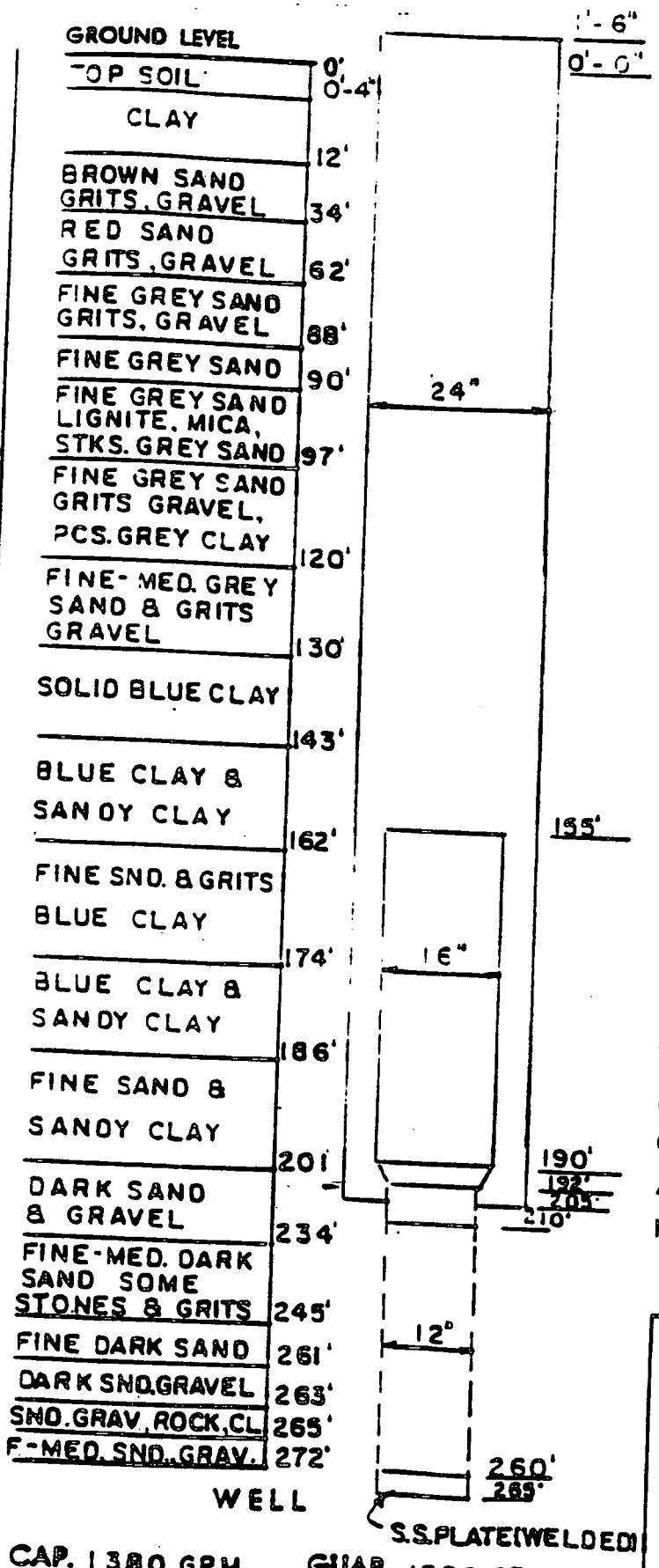
ACCEPTED

JAMAICA WATER SUPPLY CO.

WELL NO. 10 A
Q1958

ELEV B.P. 44.42

7/91



MATERIAL

PIT 205' OF 24" Ø STEEL PIPE OUTER CASING
35' OF 16" OD STEEL PIPE
20' OF 12" 316L S.S. RISER

SCREEN 50' OF 12" 316L S.S. SCREEN #60 SLOT

CONE 5' S.S. SUMP & PLATE (WELDED)

PUMP NEW 1983

TYPE	TLC	SHOP NO.	10115C
SETTING	96'-3"	SIZE	12"
SUCTION		STAGES	4
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10" FLGD.	HEAD	
TUBING		PRESS B.P.	70 LBS.
SHAFTING		AIR LINE	2 @ 96'-3"
			2-3/4" @ 96'-3"

MOTOR

MAKE	PLEUGER	TYPE	SUBM.
VOLTS	460	R.P.M.	1750
PHASE	3	FORM	
CYCLE	60	SERIAL	368701
AMP.	157 F.L.	FRAME	
MODEL	SUBM.	H.P.	100

CAP. 1380 G.P.M. GUAR. 1380 GPM
STARTED 5-13-83 PUMPED 7-11-83

ACCEPTED

JAMAICA WATER SUPPLY CO.

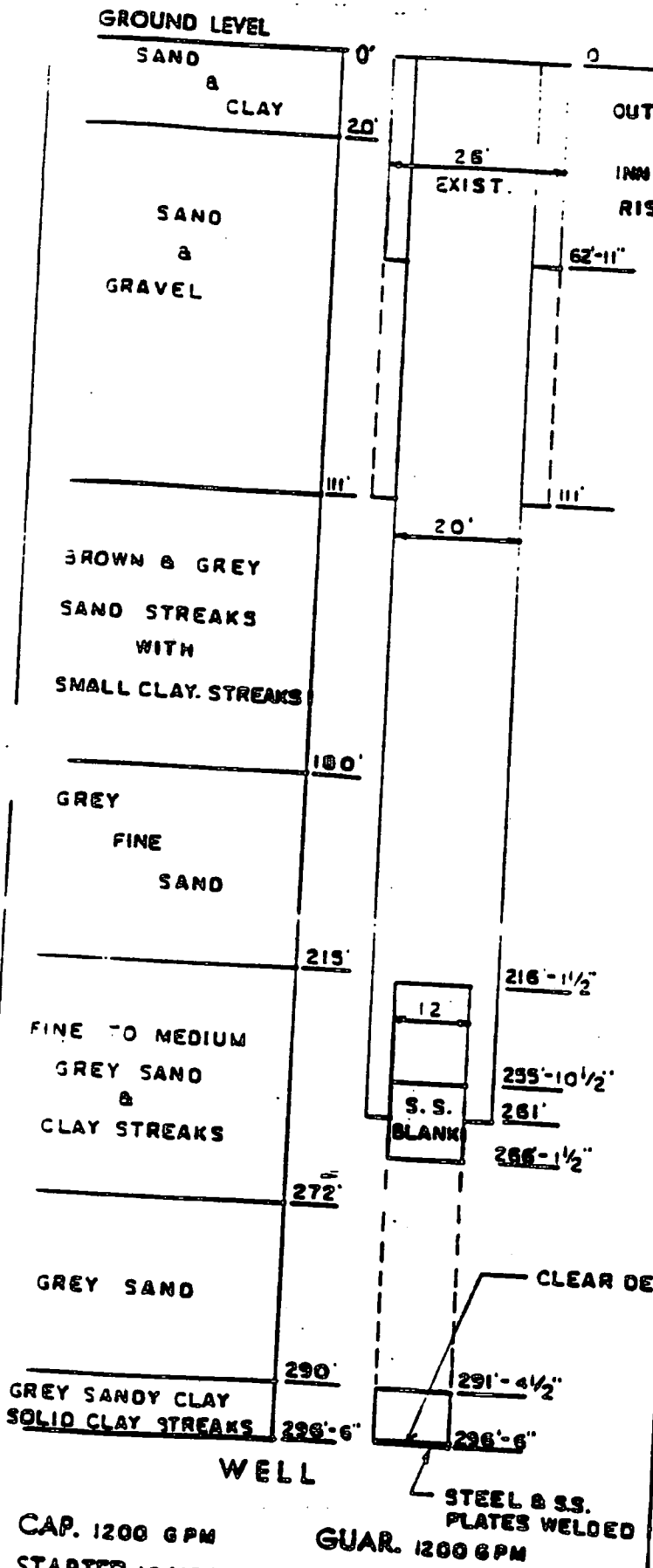
WELL NO. 11
Q 3157

ELEV. FIN. FL. 25.2 DATE 10/18/83

By A. I.

Dwg. No.

NO WELL #12



MATERIAL

OUTER CASING	62' OF 26" STEEL PIPE, WELDED 261' OF 20" (0.375 WALL) BLACK STEEL PIPE, WELD.
INNER CASING	39'-9" OF 12" (0.375 WALL) BLACK STEEL PIPE, WELD
RISER	10'-3" OF 12" NOM. 316L S.S. BLANK, WELDED
SCREEN	25'-3" OF 12" WW. JOHNSON 316L SS #90 SLOT
SUMP	5'-1-1/2" OF 12" NOM. 316L SS. BLANK WITH STEEL & S.S. PLATES WELDED ON BOTTOM
GRAVEL	32" DIA. GRAVEL PACKING #1 & #2 MORE MIX

PUMP (NEW 1986)

1200 GPM @ 330' TDH

TYPE	DRLC	SHOP NO.	103532
SETTING	204' 1-½" S F	SIZE	15"
SUCTION	10' OF 10"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF 1018
TUBING	W.L.	PRESS B.P.	70#
SHAFTING	1½"	AIR LINE	214'-2" FROM B.R

MOTOR (NEW 1986)

MAKE	U.S.	TYPE	RUE
VOLTS	460	R.P.M.	1760
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	GT-1008884802-1327
AMP.	145	FRAME	405 TP WPI
MODEL		H.P.	125

ACCEPTED 1-17-86

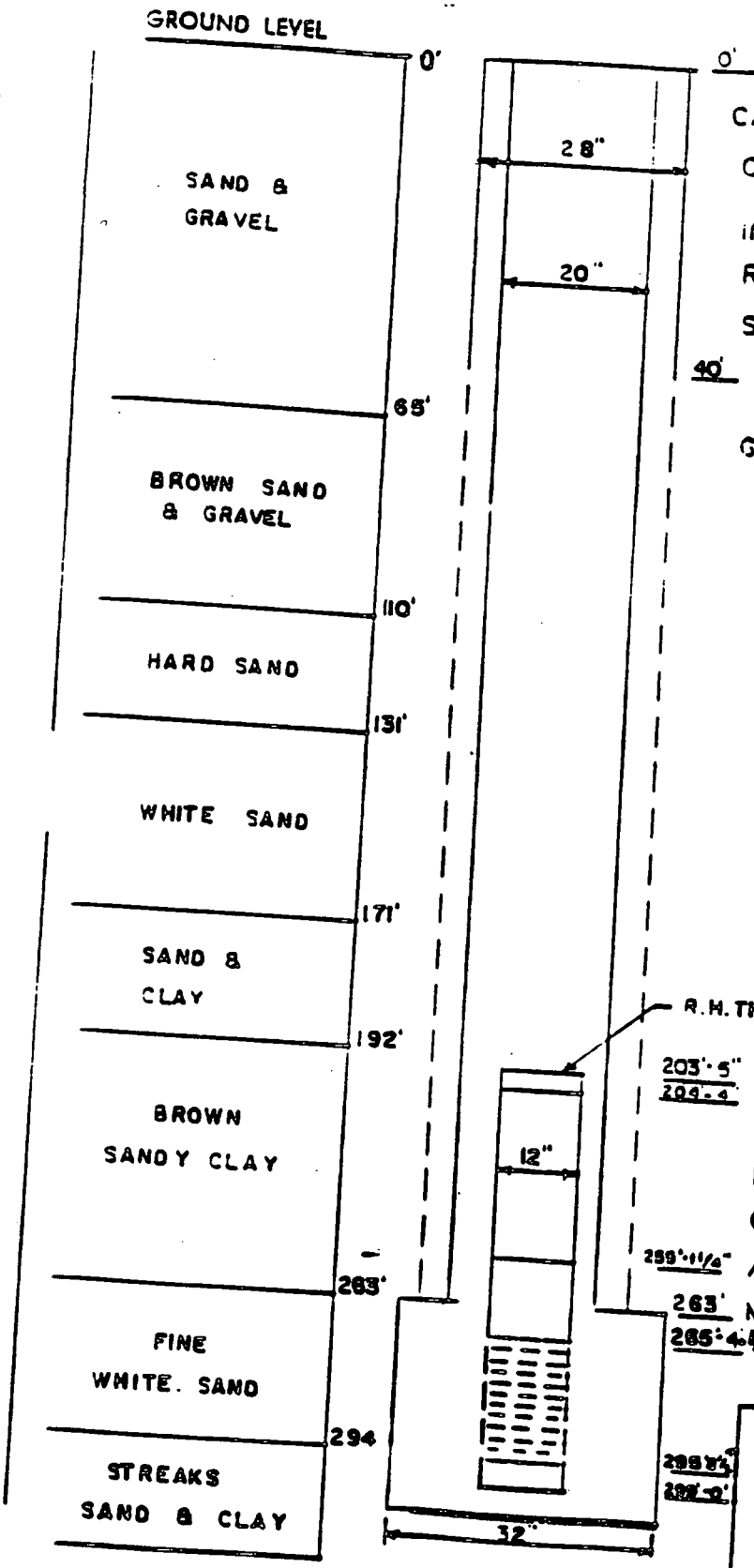
JAMAICA WATER SUPPLY CO.

WELL NO. 13 (REDRILL)
Q 313

CAP. 1200 GPM
STARTED 10/17/84
GUAR. 1200 GPM
PUMPED 1261 GPM.

ELEV. F.F. 94.30'
DATE 9/30/91
By A. I.
Dwg. No.

Form 152—131—1-78



CASINGS — MATERIAL (NEW SCREEN 1990)

OUTER { 40' OF 28" STEEL PIPE WELDED; 263' OF 20" STEEL PIPE WELDED

INNER { 0'-11" OF 12" R.H. THREAD STEEL PIPE WELDED ON T; 50'-9-1/4" OF 12" NOM. 304 S.S. TIGHTWRAP

RISER 10'-3-1/4" OF 12" JOHNSON 316 SS. TIGHTWRAP

SCREEN 30'-4" OF 12" NOM. WIREWOUND JOHNSON 316S.S. #50 SLOT (TELESCOPE SIZE)

SUMP 3'-3-1/2" JOHNSON 316 SS T.W. W/STEEL & SS PLATES WELDED ON BOTTOM

GRAVEL 32" DIA. GRAVEL PACKING #1 & #2 MORIE MIX; 75 ON US #16 SIEVE UC 1.7

PUMP — NEW BOWL 1990, NEW PUMP 1983, 1200 GPM @ 378' TDH

TYPE	DRLC	SHOP NO.	111753
SETTING	199'-7'	SIZE	19"
SUCTION	11'-4" OF 8"	STAGES	4
BASKET		IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLG.	HEAD	TF 1025
TUBING	3"	PRESS B.P.	
SHAFTING	1 15/16"	AIR LINE	2@ 3/8"-205'8 1@ 3/4"-202'0

MOTOR 12./21/65

MAKE	US	TYPE	HOLLOW SHAFT
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	1363313
AMP.	302/151	FRAME	A 445-HP
MODEL	R. U.	H.P.	125

WELL

OVERHAULED 1956, 62, 68, 71, 75, 83, 90

CAP. 1200 GPM GUAR. 1200 GPM

STARTED 3-30-50 PUMPED 5-28-71

ACCEPTED 12-19-50
REDRILL 1990

JAMAICA WATER SUPPLY CO.

WELL NO. 13A
(Q1600)

ELEV. 94.8'

DATE 7/23/91

By A.I.

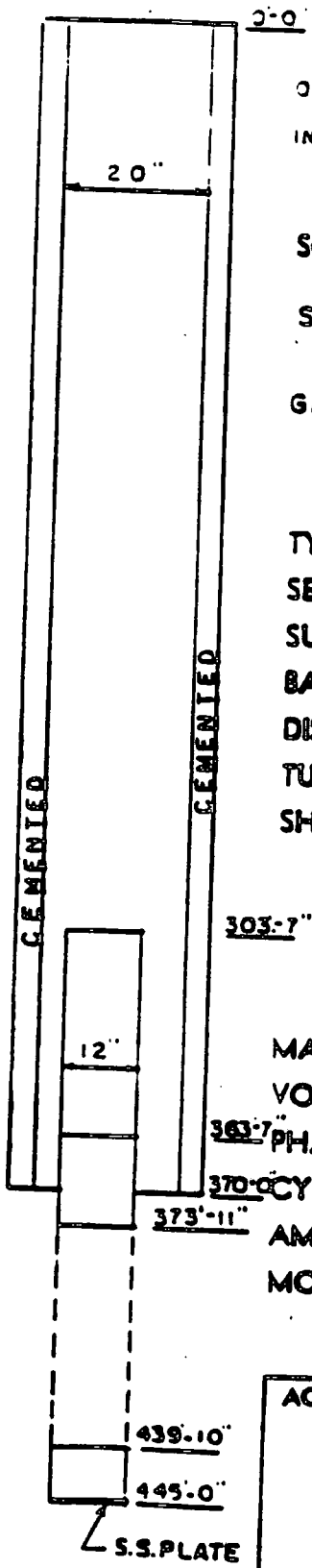
Dwg. No.

Form 152—131—J.30

GROUND LEVEL

FINE, MEDIUM & COARSE SAND & GRAVEL	0' – 70
SOLID GREY CLAY	70 – 160
GREY CLAY, LG. STONES GRAVEL	160 – 166
SOLID GREY CLAY	166 – 171
MULTICOLOR CLAY SOME GRAVEL	171 – 175
FINE, MEDIUM & COARSE SAND & GRAVEL	175 – 198
GREY CLAY LIGNITE, GRAVEL	198 – 207
SOLID GREY CLAY	207 – 231
INE GREY SAND	231 – 263
SAND & GRAVEL	263 – 285
STREAKS OF PYRITE & CL.	285 – 295
GREY CLAY	295 – 317
FINE, MED. & COAR. SAND	317 – 326
GREY CLAY, LIGNITE & COARSE SAND	326 – 340
SOLID GREY CLAY	340 – 365
FINE, MED. & COARSE SAND & GRAVEL	365 – 370
PM C. SAND & GRAVEL	370 – 374
SOLID BROWN CLAY	374 – 410
FINE MED. & COARSE GRAVEL	410 – 428
CLAYIE SAND	428 – 436
FINE MULTICOLORED CLAYIE SAND	436 – 443
FINE MED. & COARSE SAND & GRAVEL	443 – 447
FINE, MED. COAR. SAND & GRAVEL SOFT CLAY	447 – 450
SOLID WHITE CLAY	
FINE SAND	

WELL



MATERIAL

OUTER CASING 370' OF 20" (0.375 WALL) BLACK STEEL PIPE. WELDED

INNER CASING 60' OF 12" (0.375 WALL BLACK STEEL PIPE WELDE

RISER 10'-4" OF NOM. 12" JOHNSON T.W. 316 L.S.S.

SCREEN 66' OF NOM. 12" JOHNSON WIRE WOUND 316 L STAINLESS STEEL #50 SLOT

SUMP 5'-2" OF NOM. 12" JOHNSON T.W 316 L S.S. WITH S.S. PLATES WELDED ON BOTTOM

GRAVEL 32" DIA. GRAVEL PACKING, #1 & #2 MORIE MIX 75% RETAINED ON US #16 SIEVE, U.C. ≤ 1.7

PUMP 1984

1380 GPM @ 240' TDH

TYPE	T.L.C.	SHOP NO.	102168
SETTING	168'-8"	SIZE	12"
SUCTION	NONE	STAGES	5
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	NONE
TUBING	NONE	PRESS B.P.	62#
SHAFTING	NONE	AIR LINE	2 OF 3/8" TO 165'
			2 STILLING TUBES 3/4" TO 165'

MOTOR

MAKE	PLEUGER	TYPE	N 11-100-4
VOLTS	460	R.P.M.	1750
PHASE	3	FORM	—
CYCLE	60	SERIAL	167591
AMP.	183	FRAME	—
MODEL	SUBMERSIBLE	H.P.	100

ACCEPTED 6-4-85

JAMAICA WATER SUPPLY CO.

WELL NO. 15 C (REDRILL)
N10206

ELEV. 44.74'

DATE 8/2/91

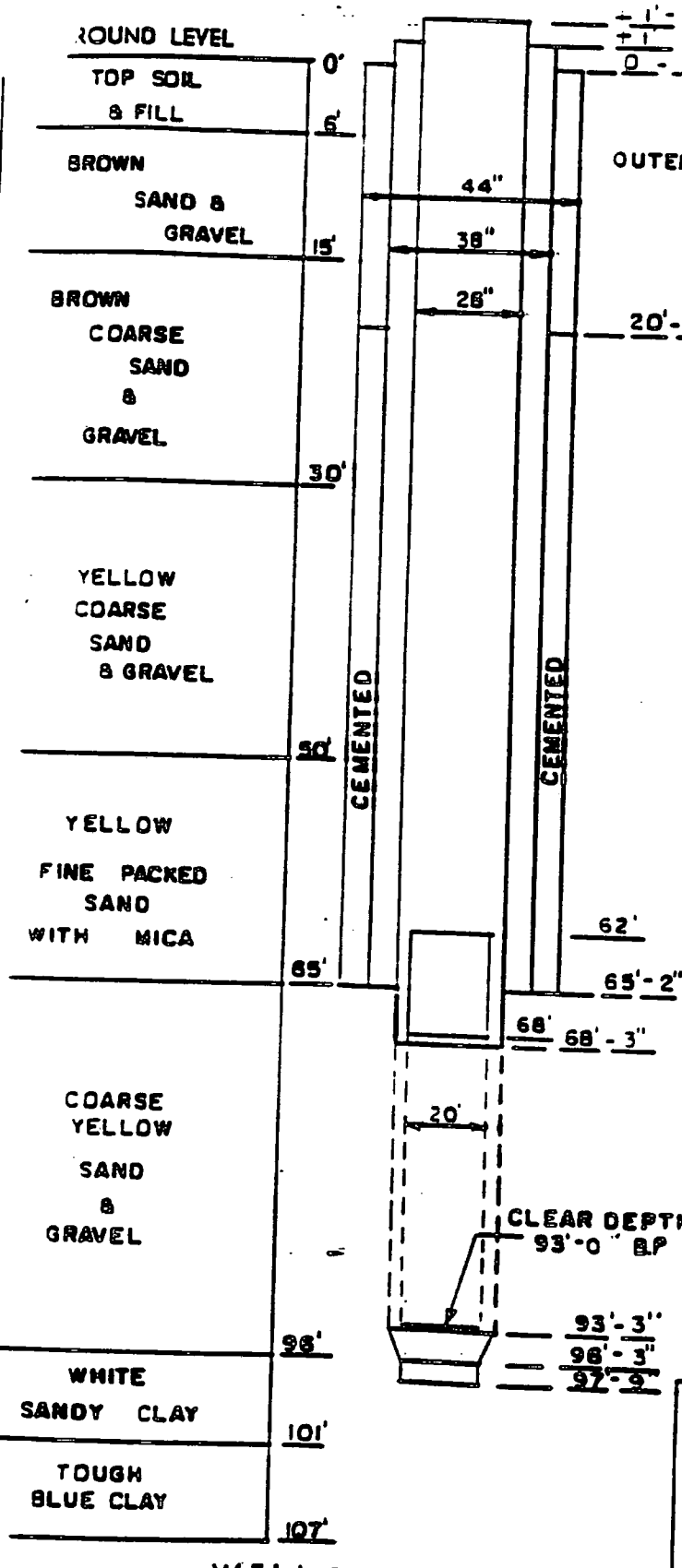
By A. I.

Dwg. No.

CAP. 1375 GPM GUAR. 1375 GPM

STARTED 2/27/84 PUMPED

FORM 152—1M—3-20



MATERIAL

OUTER CASINGS: 20' OF 44" (3/8" WALL) STEEL PIPE, WELDED; 66-3" OF 38" (3/8" WALL) STEEL PIPE, WELDED; 70-0" OF 26" (3/8" WALL) STEEL PIPE, WELDED

RISER: 6' OF 20" STEEL PIPE, WELDED

SCREEN: 25' OF 26" #6 GA. EVERDUR, WELDED; 25-3" OF 20" W.W. SCREEN, #80 SLOT, WELDED

SUMP: 3' OF 26" X 12" BLANK

GRAVEL: NO DATA

PUMP 12/11/67

1550 GPM @ 95' TDH

TYPE	T.H.C.	SHOP NO.	9542
SETTING	75'-9" TO SF	SIZE	14"
SUCTION	15'-3" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	12"	HEAD	TF 1125
TUBING	3"	PRESS B.P.	15
SHAFTING	1 15/16"	AIR LINE	AT 90'

MOTOR

(REMOVED 2/91)

DRIVE	DIESEL	S/N	5170847
MAKE	GMC	MODEL	PTA 1111

SPEC. NO. 170214

GEAR DRIVE

MAKE	JOHNSON	TYPE	HE 110
BHP	110 @ 1760	RATIO	5:4
S/N	17950		

WELL OVERHAULED 1948-51-58 62-67-76,77 78

CAP. 1736 GUAR. 1736

STARTED 5-22-39 PUMPED 1550

ACCEPTED

JAMAICA WATER SUPPLY CO.

WELL NO. 15D
N 693

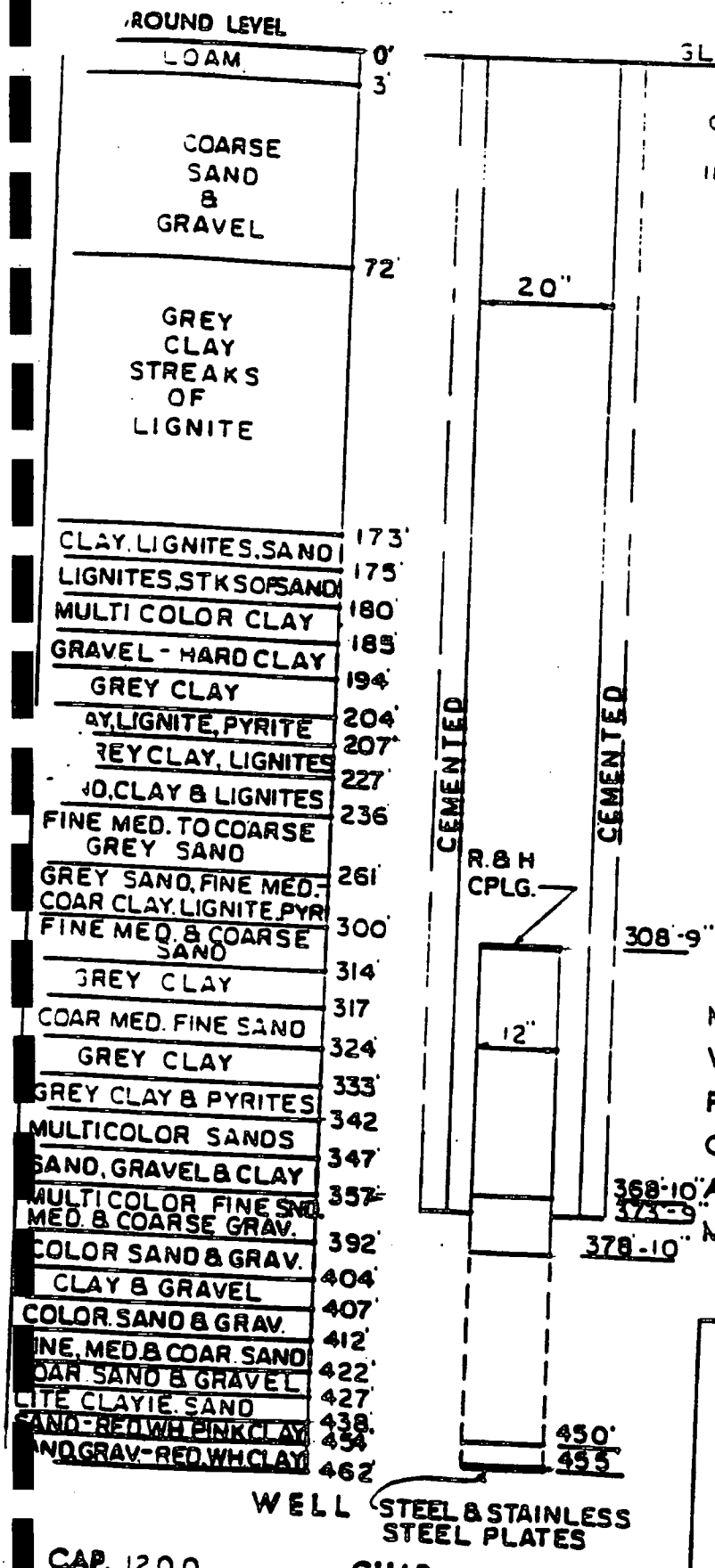
ELEV. B.R 47.72'

DATE 8/9/21

By A. I.

Dwg. No.

FORM 152—1M—3-49



MATERIAL

OUTER CASING	173'-9" OF 20" (0.375 WALL) BLACK STEEL PIPE, WELDED
INNER CASING	60'-1" OF 12" (0.375 WALL) BLACK STEEL PIPE, WELDED
RISER	10' OF 12" NOM. 316L S.S. PIPE, WELDED
SCREEN	70' OF 12" 316L STAINLESS STEEL #50 SLOT (W.W. JOHNSON)
SUMP	5' OF 12" NOM. 316L S.S. PIPE WITH STEEL & S.S. PLATES WELDED ON BOTTOM.
GRAVEL	32" DIA. GRAVEL PACK #1 & #2 MORIE MIX 75% RETAINED ON US #16 SIEVE UC ≤ 1.7

PUMP 1984

1380 GPM @ 240' TDH

TYPE TLC	SHOP NO. 102607
SETTING 175'-6" TO SF	SIZE 12"
SUCTION 9'-10" OF 10"	STAGES 5
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10"	HEAD TF 1018
TUBING W.L	PRESS B.P. 62#
SHAFTING 1½" S.S.	AIR LINE 2-3/4" @ 185'-4"

MOTOR

MAKE US	TYPE RU
VOLTS 230/460	R.P.M. 1770
PHASE 3	FORM
CYCLE 60	SERIAL 9400-768-845
AMP. 238/119	FRAME 404 TP
MODEL VHS-WPI	H.P. 100

ACCEPTED 6-4-89

JAMAICA WATER SUPPLY CO.

WELL NO. 15 E
N10207

ELEV. 36'-4"

DATE 8/3/91

By A.I.

Dwg. No.

CAP. 1200

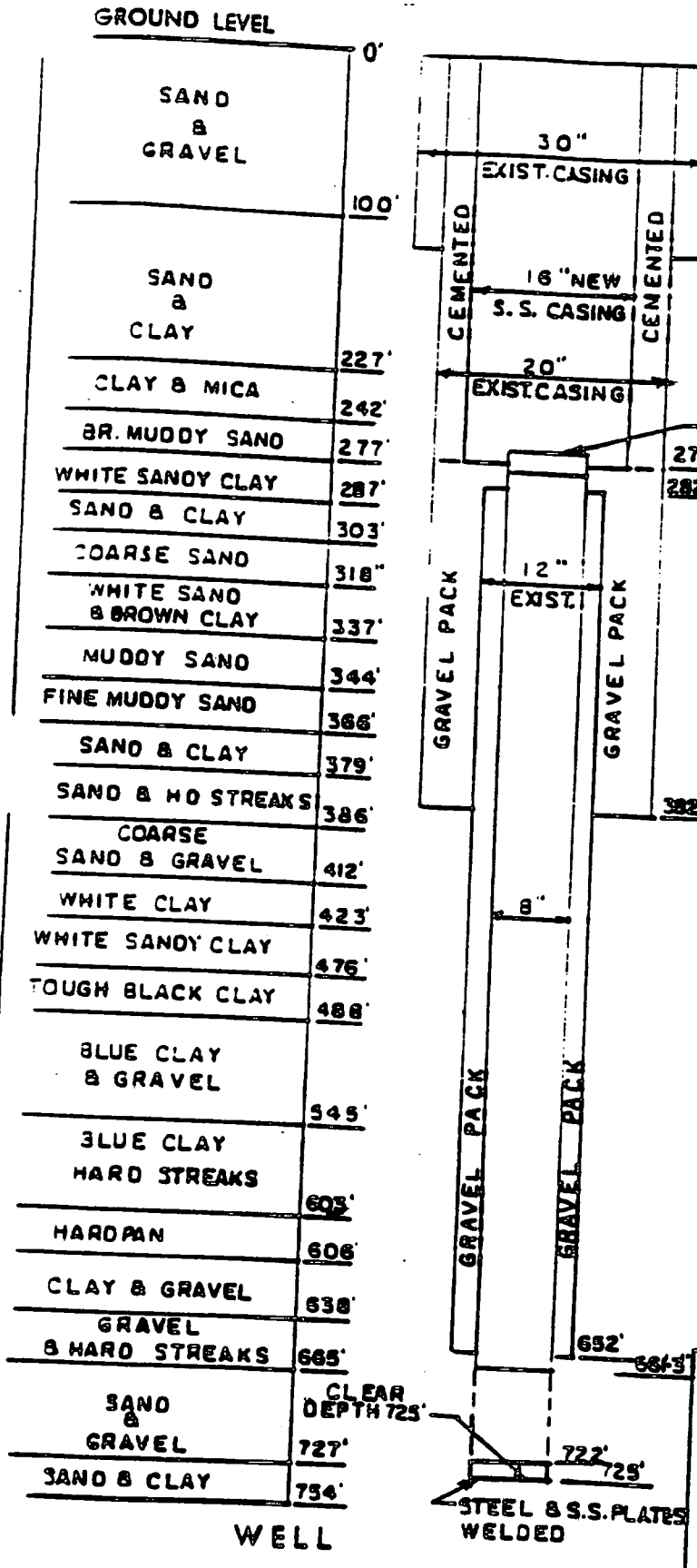
GUAR. 1200

STARTED 3/5/84

PUMPED

WELL # 16 ABANDONED IN 1986.

#16



MATERIAL

OUTER CASING:
- 115' OF 30" BLACK STEEL PIPE, WELDED
- 382' OF 20" BLACK STEEL PIPE, WELDED
- 277'-6" OF 16" (0.189 WALL) 304 S.S. PIPE, WELDED
- 370' OF 12" BLACK STEEL PIPE, WELDED

INNER CASING:
- 4'-7" OF 8" (0.322 WALL) BLACK STEEL PIPE, WELD
- 384'-4" OF 8" (0.188 WALL) 304 S.S. PIPE, WELDE

RISER NONE

SCREEN 60'-9" OF 8" W.W. JOHNSON 316LSS #50 SLOT

SUMP 3'-OF 8" 304 S.S. PIPE WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL 18" DIA. GRAVEL PACK #1 & #2 MORIE MIX 75% RETAINED ON US# 16 SEIVE ≤ 1.7

PUMP (NEW PUMP 6/87)

1100 GPM @ 357 TDH

TYPE (LAYNE)	R K 8 H	SHOP NO.	49498
SETTING	206'-2" TO SF	SIZE	12"
SUCTION	10' OF 10"	STAGES	6
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" FLG	HEAD	
TUBING	W. L.	PRESS B.P.	70#
SHAFTING	1 11/16"	AIR LINE	2 @ 216'-2"

MOTOR NEW 1987

MAKE	U S.	TYPE	R U
VOLTS	460	R.P.M.	1775
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	9962/908R362R037R-9
AMP.	149.2	FRAME	405 TP WPI
MODEL		H.P.	125

ACCEPTED 7-10-87

JAMAICA WATER SUPPLY CO.

WELL NO. 16A (RE DRILL)

N1958

ELEV 114.06

DATE 10/9/91

By A. K. [illegible]

Dwg. No.

WELL

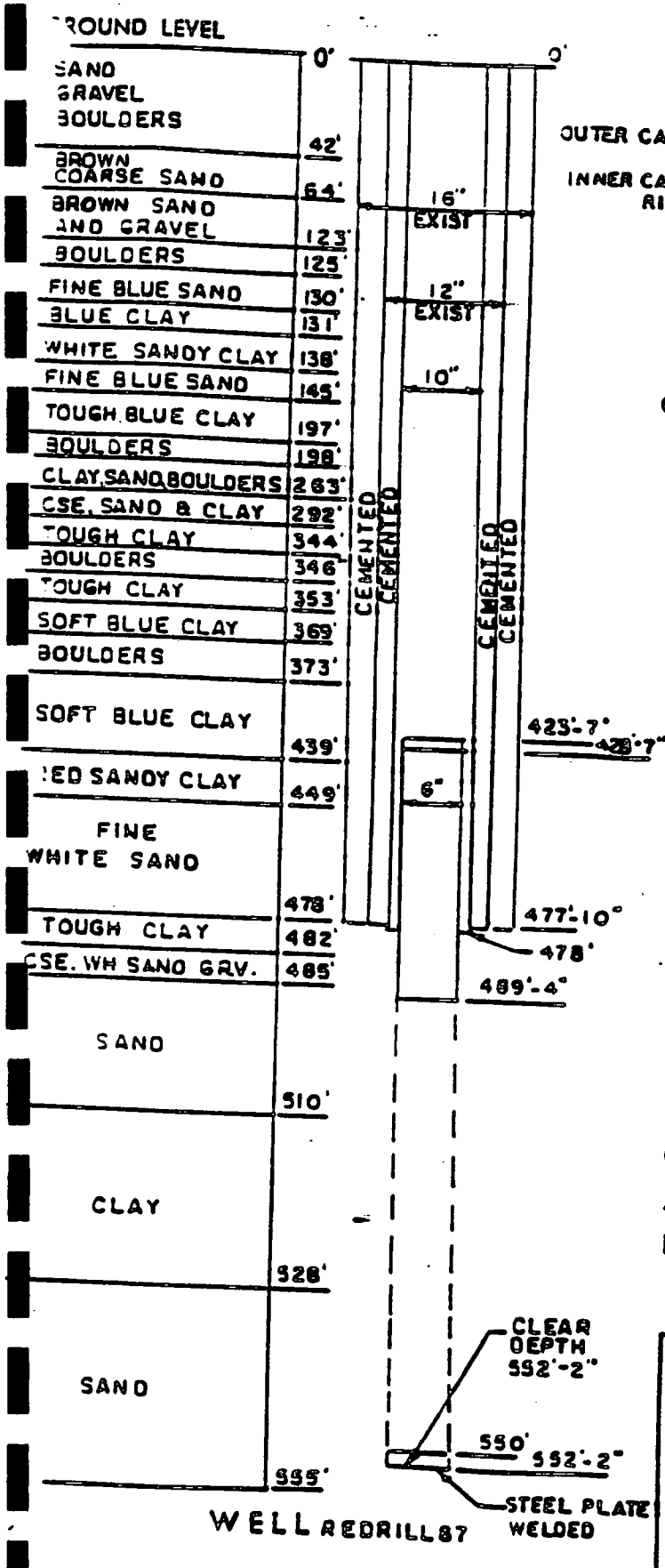
CAP.

STARTED 2-25-87

GUAR.

PUMPED 1168 GPM

FORM 152—12M—3.39



MATERIAL

OUTER CASING: 477'-10" OF EXIST 16" BLACK STEEL PIPE, T & C; 477'-10" OF EXIST 12" BLACK STEEL PIPE, T & C; 478' OF 10" 0.365 WALL BLACK STEEL PIPE, WELDED

INNER CASING RISER: 5' OF 6" 0.280 WALL BLACK STEEL PIPE, WELDED; 60'-9" OF 6" 316 L SS. TIGHT WRAP BLANK, WELDED.

SCREEN: 60'-8" OF 6" JOHNSON 316L SS. WIRE WRAP #50 SLOT

SUMP: 2'-2" OF 6" 316 L SS. TIGHTWRAP BLANK WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL: 30" DIA. GRAVEL PACKING #1 & #2 MORIE MIX

PUMP

NEW PUMP 1987
1050 GPM @ 384 TDH

TYPE	THC	SHOP NO.	108687L
SETTING	178'-11" SF	SIZE	10"
SUCTION	10' OF 8"	STAGES	12
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	8"	HEAD	
TUBING	W.L.	PRESS B.P.	72#
SHAFTING	1 1/2"	AIR LINE	1/8" COP @ 170' FROM B.P.

MOTOR

MAKE	GE	TYPE	VHS
VOLTS	208	R.P.M.	1755
PHASE	3	FORM	
CYCLE	60	SERIAL	1440A155
AMP.	375	FRAME	445TP20
MODEL	M	H.P.	150

WELL REDRILL 87

CAP. 1300 GPM. GUAR. 1300 GPM

STARTED 9-30-86 PUMPED 476

ACCEPTED 7-6-87

JAMAICA WATER SUPPLY CO.

WELL NO. 17 - (REDRILL)
0317

ELEV 58.03'

DATE 8/3/91

By A. [illegible]

Dwg. No.

LINER 3-14-50
21'-3" OF 18" STEEL PIPE WELDED
134' OF 14" " " "

ROUND LEVEL 0'

SAND GRAVEL & BOULDERS

42'

BROWN COARSE SAND

64'

BROWN SAND & GRAVEL

123'

146'

TOUGH BLUE CLAY

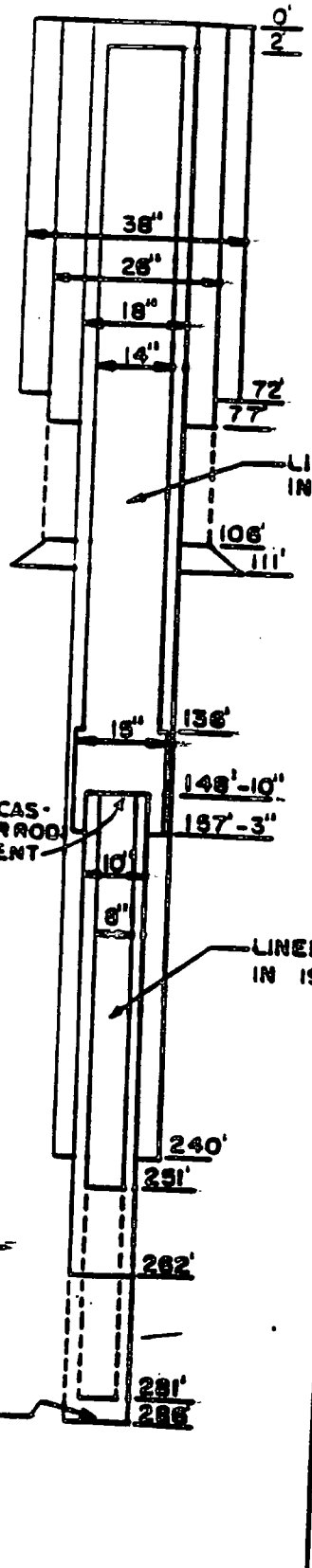
197'
198'

CLAY SAND & BOULDERS

263'

COARSE SAND

292'



MATERIAL

PIT
72' OF 38" - 3/8" D.R.
77' OF 26" D.R. 6 GAGE
244' OF 18" O.D. PIPE 3/8" WALL
119' OF 10" SHUTTER ~~T.&C.~~
110'-3" OF 8" EVERDUR

SCREEN
~~30' OF 26" D.R. 6 GA. 6 OPENING~~
20' OF 10" SHUTTER T.&C. 6 OPENING
30' OF 8" EVERDUR SCREEN
1'-3" OF 8" R&L. CPLG. & NIPPLE

CONE ~~26"x36"x8"~~

PUMP 12/82

TYPE RKAM	SHOP NO. 4960A
SETTING 140-7 S.F.	SIZE 12"
SUCTION 14'-11" OF 5'	STAGES 10
BASKET NONE	IMPELLERS BR.
DISCHARGE 8"X20" FLG.	HEAD 75 L.K.M.U.
TUBING 2 1/2"	PRESS B.P. 65
SHAFTING 1 1/2" WATER RELIEF	AIR LINE 2@148'-6"

MOTOR

MAKE G.E.	TYPE SLIP RING
VOLTS 220	R.P.M. 1160
PHASE 3	FORM V
CYCLE 60	SERIAL 5199388
AMP. 150	FRAME MT 536
MODEL 12C248	H.P. 60

WELL OVERHAULED 1934-40-48
50-55-59-63-68-73-82

CAP. 600 GUAR. 600

STARTED 9-26-28 PUMPED 600

ACCEPTED 6-6-29

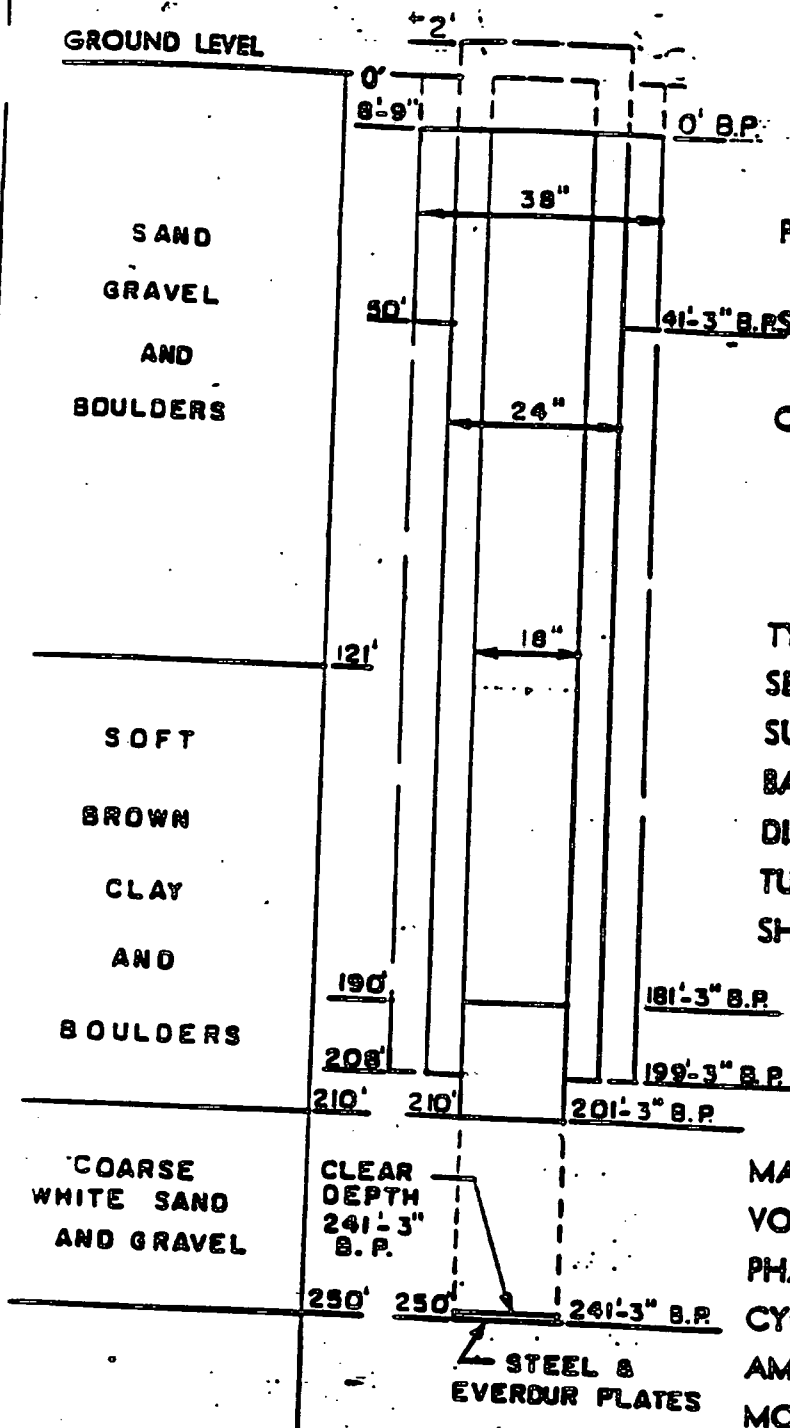
JAMAICA WATER SUPPLY CO.

WELL NO. 17-A
0566

ELEV. 58.03' B.P. DATE 4-3-50

By M B Dwg. No.

-1M-3-30



MATERIAL

PIT
41.25' OF 38" STEEL PIPE, WELDED
199.3' OF 24" STEEL PIPE, WELDED
180.3' OF 18" STEEL PIPE, WELDED
20' OF 18" EVENDUR BLANK, WELDED

SCREEN 40' OF 18" EVENDUR

CONE 3/4" STEEL & EVENDUR PLATES

PUMP NEW 1978

?
(or RKAm)

TYPE RKBM
SETTING 195'-10" SF
SUCTION 3'-11" OF 8"
BASKET NONE
DISCHARGE 10" X 10" FLGD. CEMENT LINED
TUBING 3" - 8TPI
SHAFTING 1 15/16" - 6TPI

SHOP NO. 31040C
SIZE 12"
STAGES 5
IMPELLERS 8R.
HEAD TF 1025
PRESS B.P. 40
AIR LINE: 2 AT 199'-8P

MOTOR

MAKE G.E
VOLTS 220/440
PHASE 3
CYCLE 60
AMP. 116/232
MODEL 5M1605DC3

TYPE HOLLOW SHAFT
R.P.M. 1800
FORM V
SERIAL PM 8121508
FRAME 505 P
H.P. 100

WELL OVERHAULED 1962, 64, 69 76, 84

CAP. 1040 GUAR. 1000

STARTED 1-10-55 PUMPED 5-3-55

ACCEPTED 8-8-55

JAMAICA WATER SUPPLY CO.

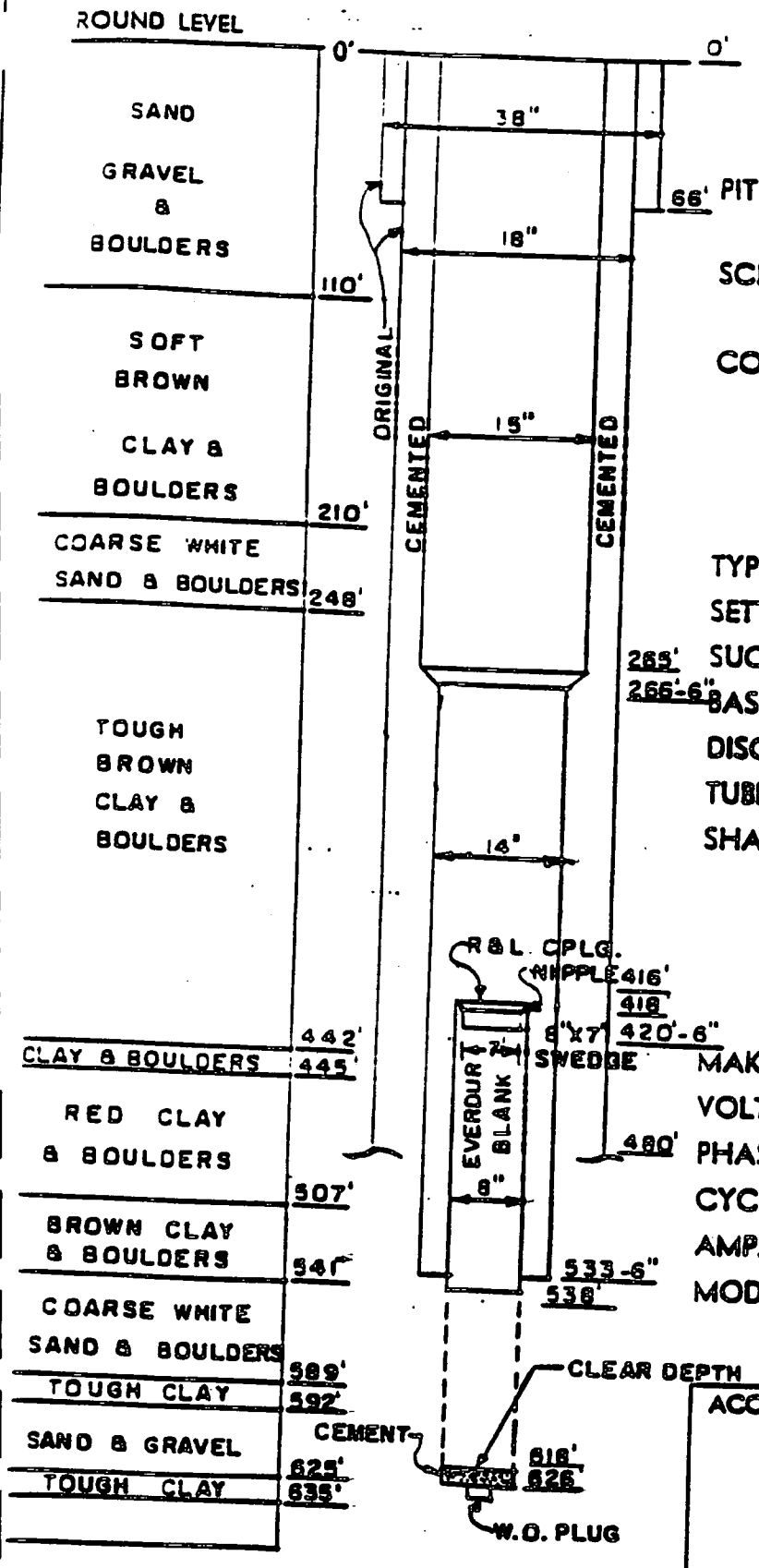
WELL NO. 16
02137

ELEV. B.P. 119.53 DATE 11-25-76

By R.M.

Dwg. No.

Form 152—1M—3-30



MATERIAL

265' OF 15" O.D. PIPE 3/8" WALL WELDED
267'-2 OF 14" " " " " "
1-15"X14" SWEDGE, 1'-6" LONG "
120' OF 8" EVERDUR PIPE "

SCREEN 80' OF 8" EVERDUR SCREEN "
8"X7" SWEDGE, 2' LONG & 2'-6" OF 7" PIPE

CONE 8' OF 8" PIPE, W.O. PLUG CEMENTED

PUMP NEW 1969

TYPE	TLC-T	SHOP NO.	5242 B
SETTING	258'-1" SF	SIZE	12"
SUCTION	9'-11" OF 10"	STAGES	7
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"X10' T&C CEM. LINED	HEAD	75 KMU
TUBING	3"	PRESS B.P.	50
SHAFTING	1 15/16"	AIR LINE	2 AT 268' 2-3/4" @ 267'

MOTOR NEW 1969

MAKE	G.E.	TYPE	SLIP RING
VOLTS	208	R.P.M.	1755
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	HEJ 808108
AMP.	375	FRAME	445 TP 20
MODEL	SM 6286 XM74	H.P.	150

ACCEPTED 5-3-43

JAMAICA WATER SUPPLY CO.

WELL NO. 18 A
0567

ELEV. B.P. 127.88 DATE 7-9-75

By R.M.

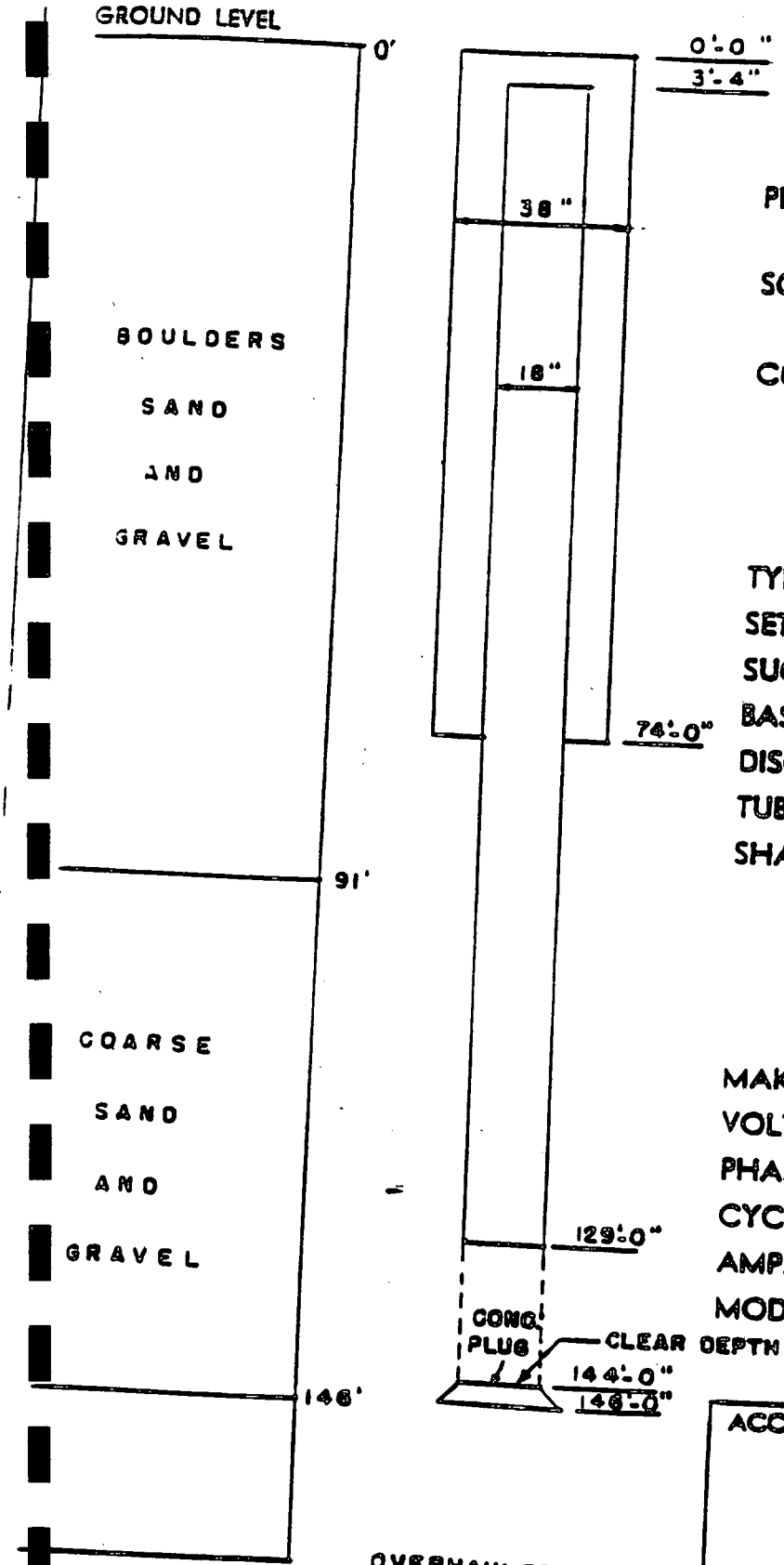
Dwg. No.

WELL OVERHAULED 1938, 37, 40, 46, 54, 61, 62, 69, 75, 83

CAP. 1200 GUAR. 1200

STARTED 1-6-46 PUMPED 5-3-43
1-10-70

152-1M-J.39



MATERIAL

PIT 74' OF 38" X 3/8" STEEL PIPE (1930)
125'-8" OF 18" STEEL PIPE, WELDED (1959)

SCREEN 15' OF STAINLESS STEEL (1952)

CONE 18" X 22" X 24" LONG CONE CEMENTED (1952)

PUMP NEW PUMP 1965

TYPE RKEH	SHOP NO. 5389A
SETTING 131'-6" S.F.	SIZE 10"
SUCTION 6'-4" OF 6"	STAGES 9
BASKET	IMPELLERS BRONZE
DISCHARGE 7" X 20' FLG.	HEAD 765 X MU
TUBING 2 1/2"	PRESS B.P. 50
SHAFTING 1 1/2"	AIR LINE 137'-8" B.P.

MOTOR

MAKE G.E.	TYPE SLIP RING
VOLTS 220	R.P.M. 1150
PHASE 3	FORM VERT.
CYCLE 60	SERIAL 524 78 74
AMP. 124	FRAME MT 536
MODEL 12 C 945	H.P. 50

ACCEPTED 5-14-30
12-3-52

JAMAICA WATER SUPPLY CO.

WELL NO. 19
Q 3:9

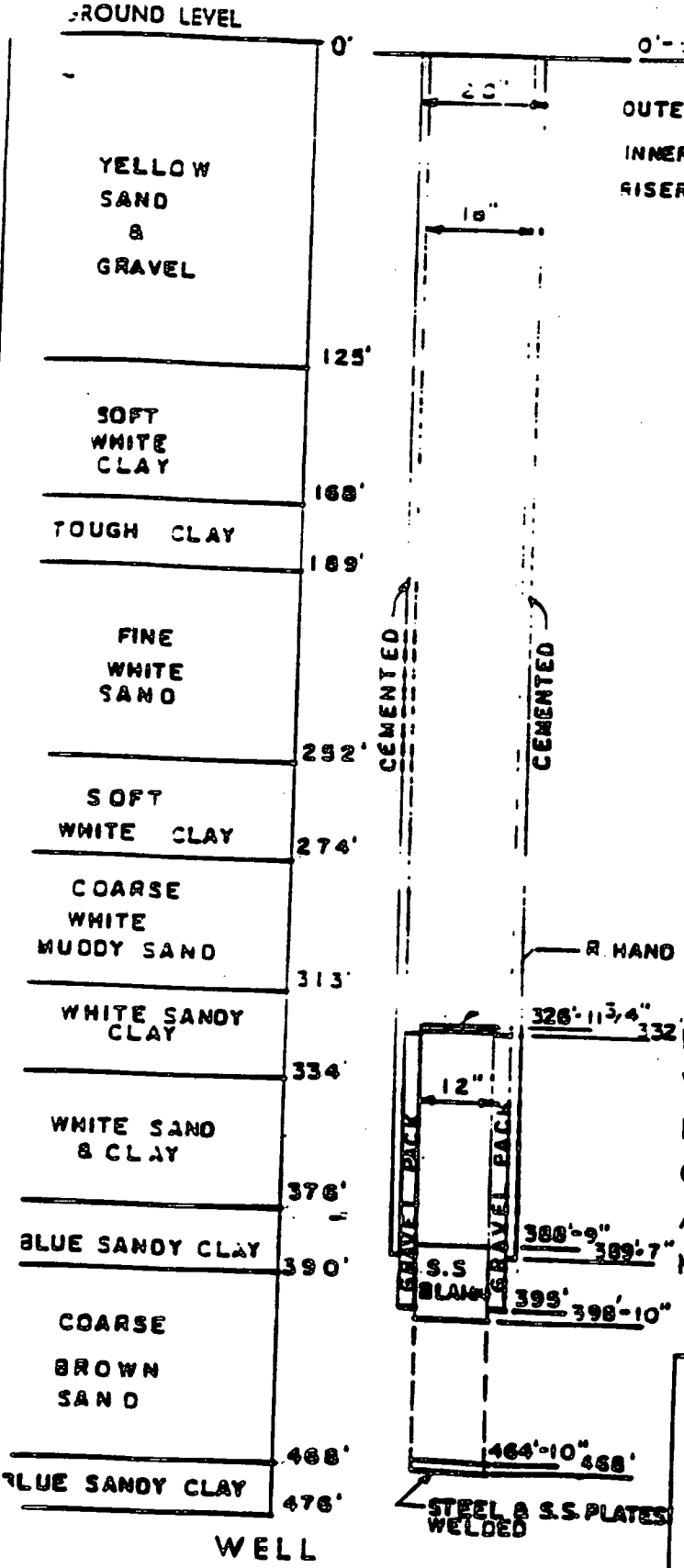
ELEV. BP 120.92'

DATE 2-20-53

1965 WELL OVERHAULED 1938-42-47-52-59

CAP. 400 G.P.M. GUAR. 400 G.P.M.

STARTED 7-27-29 DRILLED



WELL

MATERIAL

OUTER CASING { 389'-7" OF EXIST 20" BLACK STEEL PIPE, WELDED
395' OF 18" (0.375 WALL) BLACK STEEL PIPE, WELDED

INNER CASING 61'-9-1/4" OF 12" (0.375 WALL) BLACK STEEL PIPE, WELDED

RISER 10'-1" OF NOM. 12" 316L SS. TIGHTWRAP BLANK

SCREEN 66' OF NOM. 12" W.W. JOHNSON 316L S.S. #50 SLOTS

SUMP 3'-2" OF NOM. 12" 316L SS TIGHTWRAP BLANK WITH STEEL & SS. PLATES WELDED ON BOTTOM

GRAVEL 32" DIA GRAVEL PACK #1 & #2 MORIE MIX 75% RETAINED ON US #16 SIEVE; U.C. ≤1.7

PUMP (NEW BOWLS 1986)
1200 GPM @ 248' TDH

TYPE	(GOULD) 12-R-JHC	SHOP NO.	LT86060
SETTING	176-1" TO SF	SIZE	12"
SUCTION	9'-10" OF 8"	STAGES	4
BASKET	NONE	IMPELLERS	BR
DISCHARGE	10"	HEAD	GOULDS
TUBING	W.L.	PRESS B.P.	24#
SHAFTING	1-1/2" SS.	AIR LINE	1 3/4" @ 188'-11"
		CHEM LINE	1 3/4" @ 185'-11"

MOTOR NEW 1988

MAKE	U S	TYPE	RUE
VOLTS	208	R.P.M.	1770
PHASE	3	FORM	V
CYCLE	60	SERIAL	RO2B362088RT
AMP.	256.5	FRAME	404TP
MODEL		H.P.	100

ACCEPTED 3/4/86

JAMAICA WATER SUPPLY CO.

WELL NO. 20 (REDRILL)
N 67

ELEV 1046.60 a.p.

DATE 8/22/86

By A. I. [illegible]

Dwg. No.

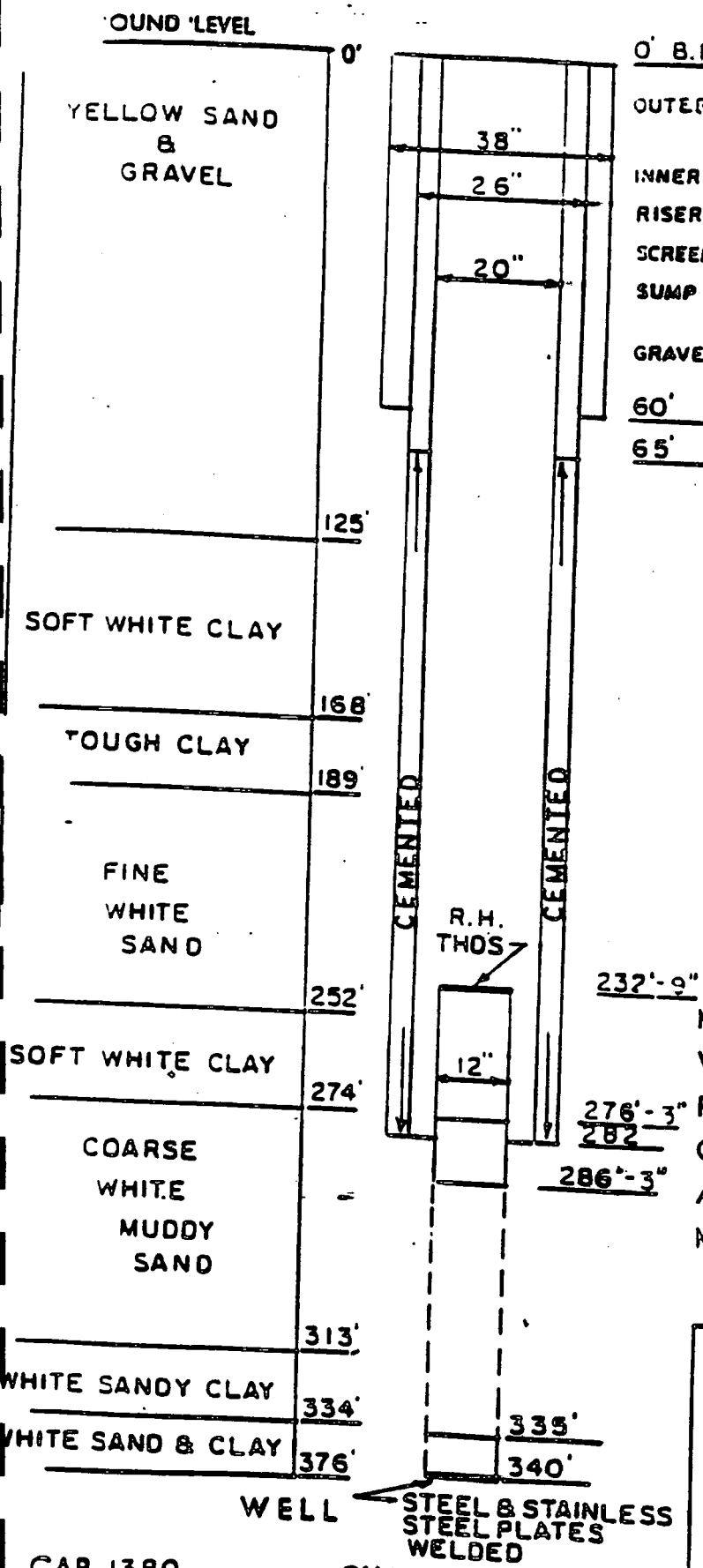
CAP. 1200 GUAR. 1200

STARTED 11/4/85 PUMPED 1205

Form 152—1M—3-30

WELL # 21-30

21 - REV 3/92
21A -
22 -
23 -
23A - REV 7/91
24 - ABANDONED
24A - ABANDONED
24B - ABANDONED
24C - ABANDONED
25 - ABANDONED
25A - REV 7/91
26 -
26A -
27 - REV 4/92
28 - REV 7/91
28A - REV 9/91
28B - REV 5/91
29 -
29A -
30 - REV 7/91



MATERIAL (NEW SCREEN 1984)

OUTER CASING	65 OF 38" STEEL PIPE, WELDED
	65 OF 26 STEEL PIPE, WELDED
	282 OF 20 (0.375 WALL) STEEL PIPE, WELDED
INNER CASING	43'-6" OF 12" (0.375 WALL) BLACK STEEL PIPE
RISER	10' OF 12" 316L S.S. BLANK PIPE
SCREEN	48'-9" OF 12" NOM. W.W. JOHNSON 316L S.S. #.55 SLOT
SUMP	5' OF 12" 316L S.S. BLANK PIPE W/STEEL & S.S. PLATES WELDED ON BOTTOM
GRAVEL	32" DIA. GRAVEL PACKING #2 & #3 MORIE MIX 71% RETAINED ON U.S. #14 SIEVE UC ≤ 1.7

PUMP
(1380 GPM @ 290 TDH)

TYPE CL	SHOP NO. 102585
SETTING 206'-1" TO S.F.	SIZE 13
SUCTION 9'-10" OF 10"	STAGES 5
BASKET	IMPELLERS BRONZE
DISCHARGE 10" X 10" T.C	HEAD TF 1018
TUBING .W.L.	PRESS B.P. 40
SHAFTING 1½"	AIR LINE 215'-11" B.P.

MOTOR

MAKE U.S	TYPE CFU
VOLTS 220/440	R.P.M. 1800
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL 1080011
AMP. 302/151	FRAME 505
MODEL	H.P. 125

CAP. 1380 GUAR. 1380

STARTED 10/4/83 PUMPED 4/16/84

ACCEPTED 4/16/84

JAMAICA WATER SUPPLY CO.

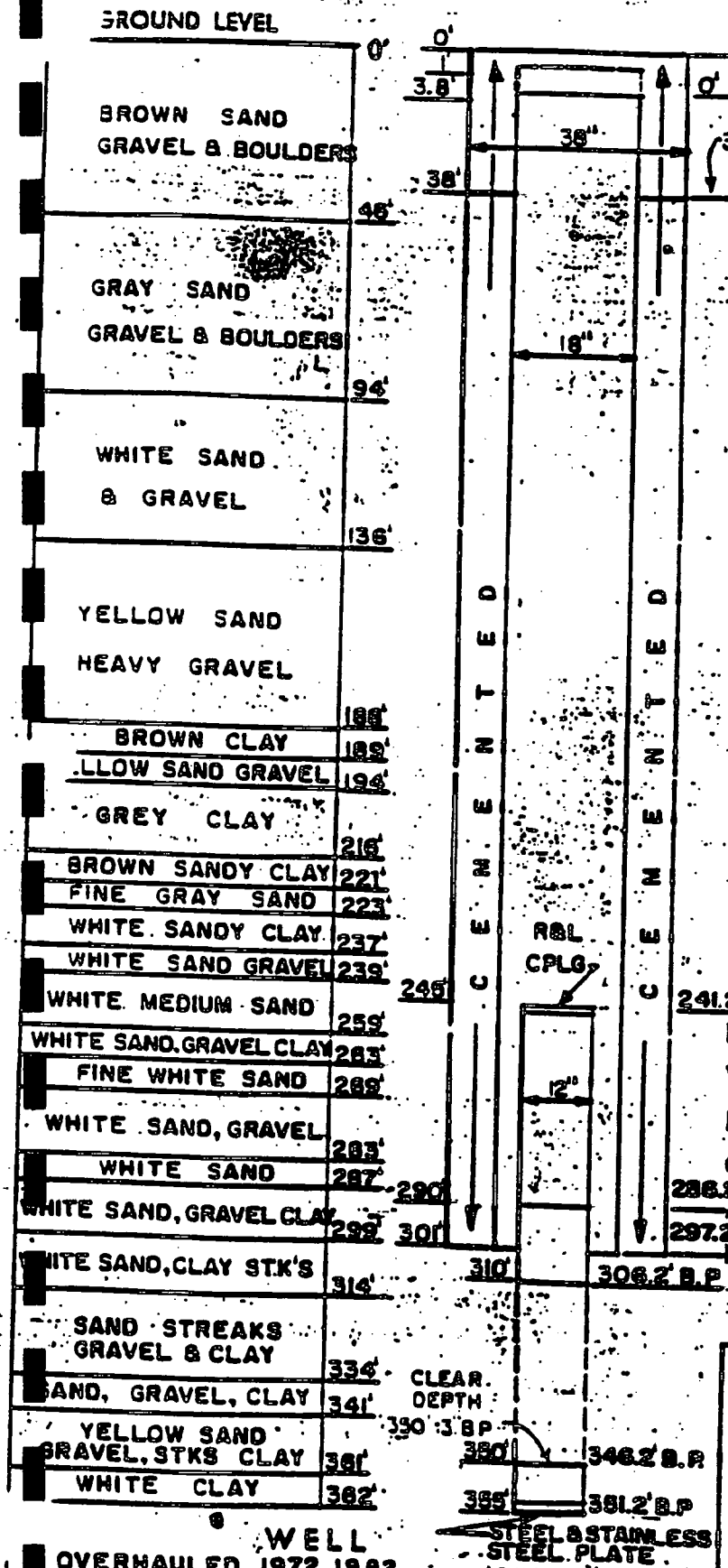
WELL NO. 21
Q321

ELEV. 138'-7" BP DATE 2/26/92

By A. I.

Dwg. No.

Form 152—4M—3.30



MATERIAL

PIT 38' OF 38" STEEL PIPE WELDED
300' OF 18" STEEL PIPE WELDED
46' OF 12" STEEL PIPE T & C
25' OF S.S. PIPE

SCREEN 40' OF 12" STAINLESS STEEL #8 SLOT

CONE 3/4" STEEL & STAINLESS STEEL PLATES

PUMP

TYPE DRLC	SHOP NO. 81169
SETTING 214'-8½" BP	SIZE 18"
SUCTION 8'-2" OF 10"	STAGES 3
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10" 8'-10" FLGD	HEAD TF-1028
TUBING W. L.	PRESS B.P. 58
SHAFTING 1 11/16"	AIR LINE 223' B.P. (2) (2) 3/4" CHL. LINES 223' B.P.

MOTOR (2-12-82)

MAKE U.S.	TYPE HOLLOW SHAFT
VOLTS 208/416	R.P.M. 1800
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL 1172921
AMP. 128/256	FRAME 504P
MODEL CFU	H.P. 100

WELL

OVERHAULED 1972, 1982

CAP. 1200 GUAR. 1200

STARTED 9-23-64 PUMPED 6-1-66

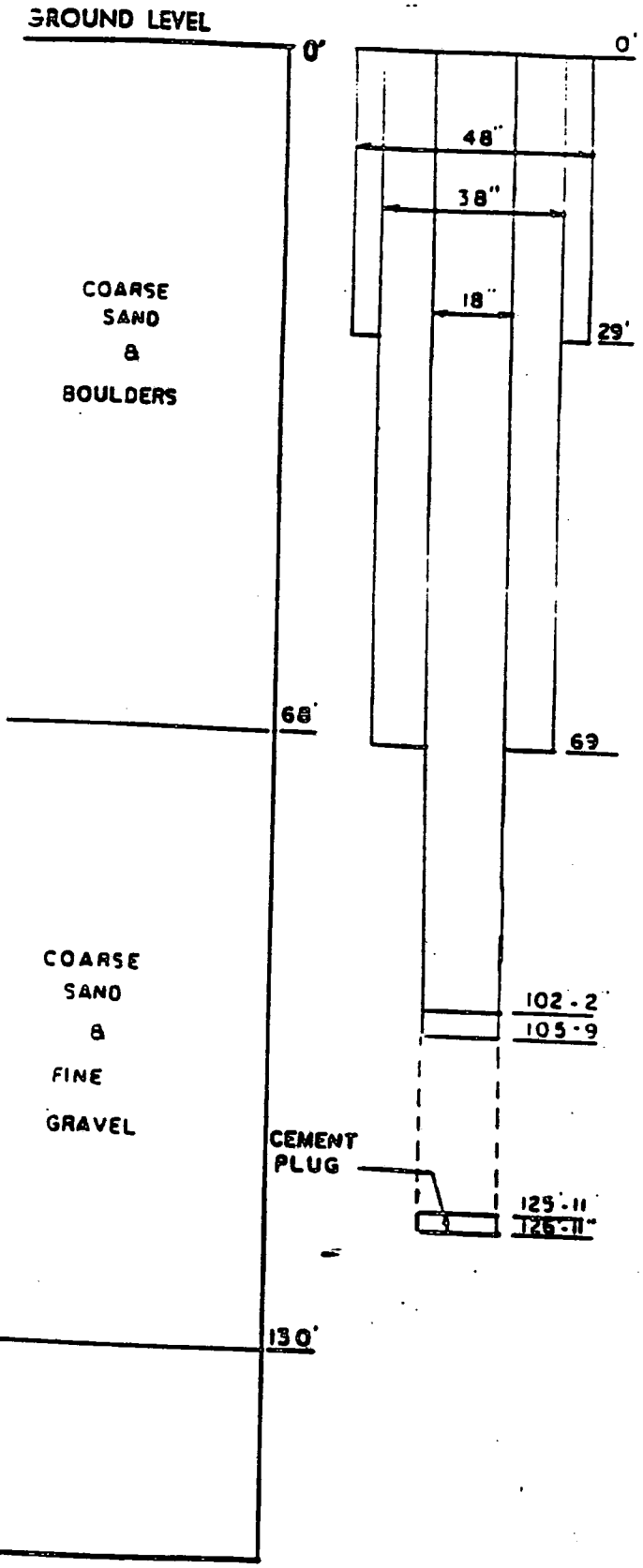
ACCEPTED 3-16-66

JAMAICA WATER SUPPLY CO.

WELL NO. 21A
02438

ELEV. B.P. 157.2' DATE 1-3-66

By M. B. Dwg. No.



MATERIAL (NEW SCREEN 1983)

OUTER CASING 20' OF 44" (0.375 WALL) STEEL PIPE
69' OF 38" 3 GA. N S PIPE
INNER CASING 102-2" OF 18 OD (0.375 WALL) STEEL PIPE

RISER 3'-7" OF 18" NOM. W.W JOHNSON 304 S.S. T-W-WITH NOM 18" TO 18 PS REDUCER

SCREEN 20'-2" OF 18 NOM W.W JOHNSON 304 S.S. #55 SLOT

SUMP 1'-0" OF 16" STEEL PIPE W/CEMENT PLUG

GRAVEL #2 MORIE GRAVEL

PUMP (NEW 1981)
(400 GPM. @ 300 TDM)

TYPE	8 H C.	SHOP NO.	2813
SETTING	122'-8"	SIZE	11"
SUCTION	4" OF 8"	STAGES	10
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10" FLGD	HEAD	K M P U.
TUBING	3"	PRESS B.P.	70#
SHAFTING	1 15/16"	AIR LINE	2" @ 122'

MOTOR

MAKE	WESTINGHOUSE	TYPE	S R
VOLTS	220	R.P.M.	1170
PHASE	3	FORM	V
CYCLE	60	SERIAL	4550639
AMP.	236	FRAME	752 C
MODEL	30 C 610	H.P.	100

ACCEPTED 2/3/32
REDRILL 10/1/64

JAMAICA WATER SUPPLY CO.

WELL NO. 22 (REDRILL)
2322

ELEV. 76.67' B.P.

DATE 4/21/92

By A. I.

Dwg. No.

WELL OVERHAULED 1934 - 37
1942, 47, 49, 52, 56, 64, 72, 81

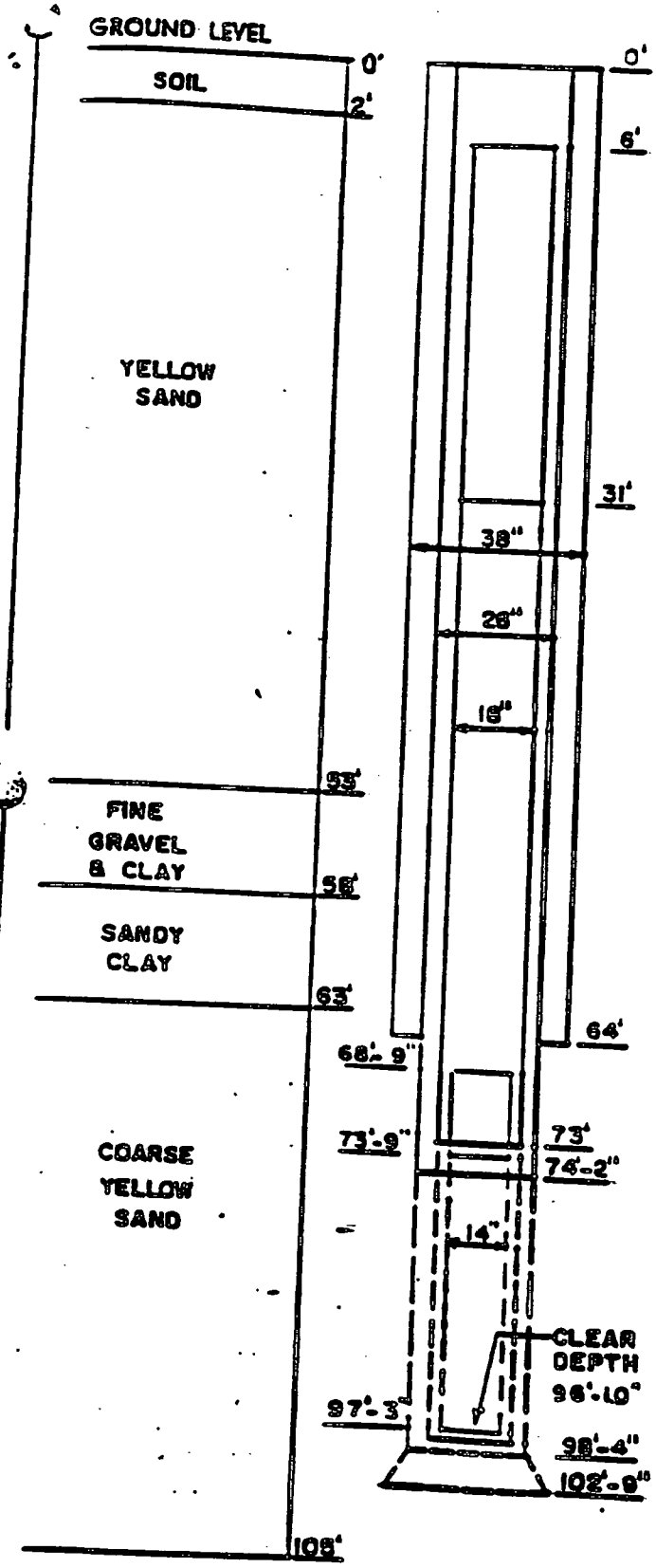
CAP. 1020

GUAR. 1020

STARTED 4/15/31

PUMPED 960 (400)

Form 152—11M—3.39



NEW SCREEN & LINER 1978

23' OF 14" S.S. WIRE WRAP SCREEN
5' OF 14" PIPE
1 - 14" STEEL PLATE, WELDED

MATERIAL

PIT
64' OF 38" DR 1/4" WELDED "ARMCO"
74'-2" OF 28" DR 1/4" " "
27' OF 18" STEEL PIPE
42' OF 18" X 1/4" EVERDUR PIPE

SCREEN
24'-2" OF 28" SHUTTER 1/4" 6 OPNGS
28' OF 18" EVERDUR SCREEN 5 OPNGS
1 EVERDUR PLATE
1 STEEL PLATE

CONE
28" X 36" X 4'-6"

PUMP

NEW PUMP 1978

TYPE	R.K.S.M.	SHOP NO.	6604A
SETTING	80'-6"	SIZE	12"
SUCTION	9'-8" OF 8"	STAGES	4
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10"	HEAD	78 KMU
TUBING	3 1/2"	PRESS B.P.	8 x 10"
SHAFTING	2 3/16"	AIR LINE	2 - 90' BP

MOTOR

MAKE	CROCKER WHEELER	TYPE	S.C.
VOLTS	220/440	R.P.M.	1170
PHASE	3	FORM	V
CYCLE	60	SERIAL	1195189
AMP.	65/32.5	FRAME	BA 4048
MODEL	SLIP RING	H.P.	25

WELL OVERHAULED 1937-39-40-1947, 49, 51, 55, 58, 64, 78

CAP. 1200 GUAR. 1200

STARTED 1-23-33 PUMPED

ACCEPTED 8-2-33

JAMAICA WATER SUPPLY CO.

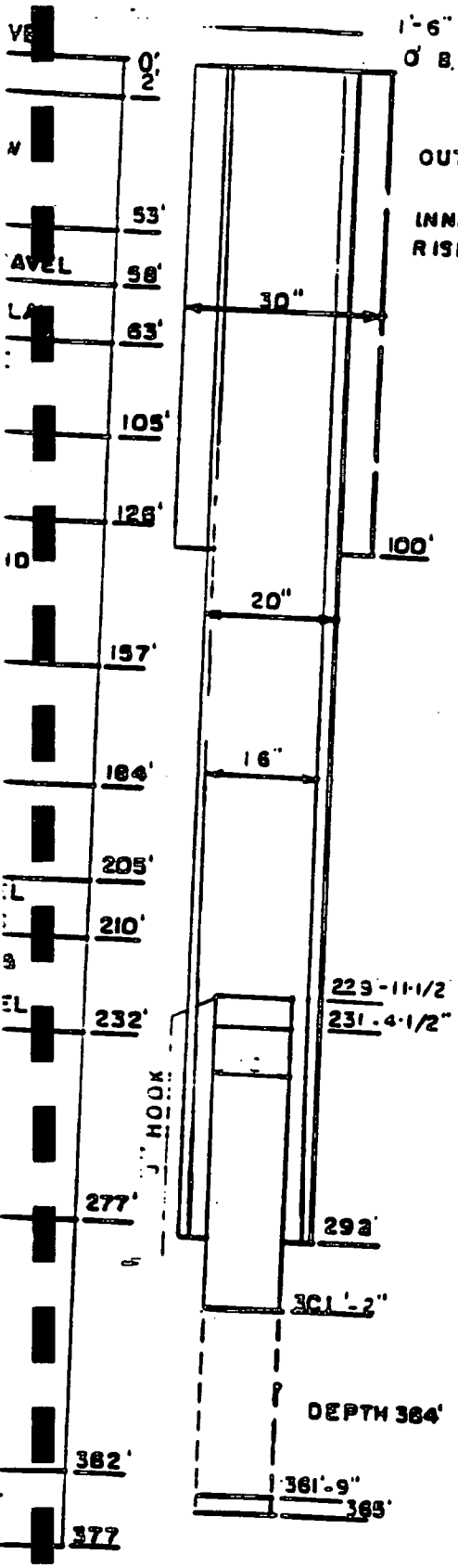
WELL NO. 23
0323

ELEV. 97.67' B.P. DATE 9-29-84

By: W B

Dwg. No.

Form 123-1M-3-39



MATERIAL

(NEW SCREEN 1983)

OUTER CASING 100' OF 30" (0.25 WALL) STEEL PIPE
291'-3" OF 20" (0.375 WALL) STEEL PIPE WELDED
292' OF 16" 304 SS. PIPE WELDED

INNER CASING RISER 1'-5" OF 12" (0.375 WALL) STEEL PIPE W/ "J" HOOK
69'-9-1/2" OF 12" (SCH 10) 316L S.S. PIPE WELDED

SCREEN 60'-7" W.W. JOHNSON 316.L SS # 50 SLOT

SUMP 3'-3" OF 12" ID JOHNSON 316 L S.S. TW WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL 30" DIA. GRAVEL PACK #1 & #2 MORIEMIX 79% RETAINED ON US #16 SIEVE UC ≤ 1.7

PUMP (NEW 1985)

1600 GPM @ 118' TDH

TYPE	ORHC	SHOP NO.	6805A
SETTING	122'-1"	SIZE	15"
SUCTION	10'-5" OF 10"	STAGES	1
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10"	HEAD	75 K.M.U. *
TUBING	3" 10 TPI	PRESS B.P.	10#
SHAFTING	1 15/16"	AIR LINE	2 @ 113'-1"

* ADAPTED TO H.S. MOTOR

MOTOR PART WINDING 1970

MAKE	U.S.	TYPE	R.U., VERTICAL
VOLTS	208	R.P.M.	1800
PHASE	3	FORM	V
CYCLE	60	SERIAL	14305882
AMP.	80.5	FRAME	404UPH
MODEL		H.P.	60

REDRILLED 10-19-87
ACCEPTED 8-2-33

JAMAICA WATER SUPPLY CO.

WELL NO. 23-A
0568

ELEV. 57.88' B.P.

DATE 8-28-91

By A. L. [illegible]

Dwg. No.

WELL OVERHAULED 37-39-40-47

GUAR. 1600

PUMPED

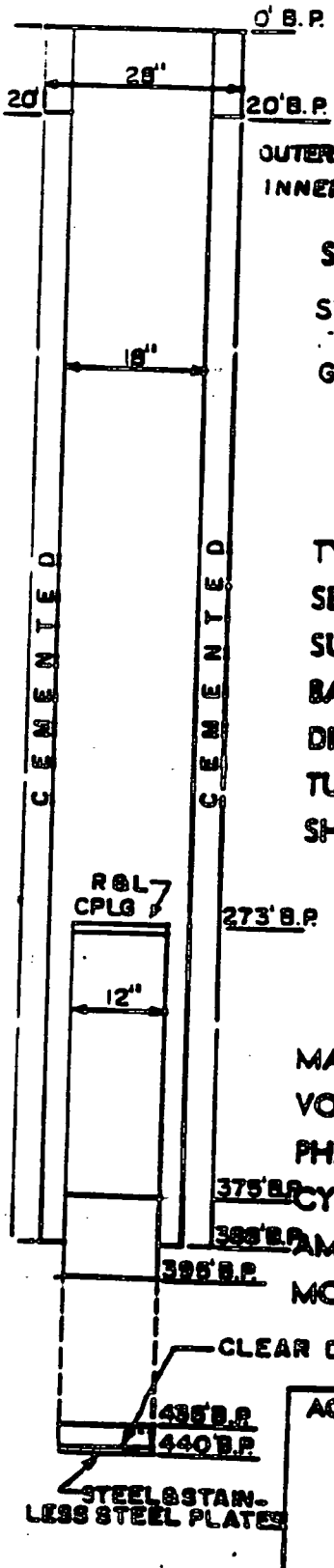
WELL # 24A ABANDONED IN 19 90 .

WELL # 24B ABANDONED IN 1990.

WELL # 24C ABANDONED IN 19 90 .

WELL # 25 ABANDONED IN 1990.

GROUND LEVEL EL. 32.48'	
TOP SOIL	0'
MEDIUM BROWN SAND	28'
MEDIUM BROWN SAND & GRAVEL	40'
SAND & GRAVEL	63'
COARSE WHITE SAND & GRAVEL	83'
BRN SND GRVL CLAY	89'
FINE TO MEDIUM GRAY SAND	100'
LIGNITE HARD CLAY	110'
IRON PYRITE	112'
FINE & CRSE GREY SAND, CLAY, PYRITE	126'
HARD GRAY CLAY	140'
FINE GRAY GRAVEL STRKS CLAY PYRITE	147'
CLAY LIGHT PYRITE	165'
FINE GRAY GRAVEL STREAKS OF CLAY LIGNITE, PYRITE	174'
HARD BLACK CLAY	180'
FINE GRAY GRAVEL STREAKS OF CLAY LIGNITE & PYRITE	205'
GRAY CLAY PYRITE, STREAKS OF SAND & LIGNITE	243'
FINE & COARSE GRAY GRAVEL	267'
SND CLY LGNT PYRT	271'
FINE & COARSE SAND & GRAVEL STREAKS OF CLAY LIGNITE & PYRITE	318'
HARD GRAY CLAY	328'
FINE & COARSE SAND & GRAVEL STREAKS OF CLAY	351'
HARD GRAY CLAY	361'
FINE & COARSE GRAY SAND & GRAVEL STRKS CLY	381'
FINE & COARSE WHITE SAND & GRAVEL STREAKS OF CLAY	412'
LIGHT BROWN SAND	417'
CLAY & GRAVEL	424'
WHITE SAND & GRAVEL STREAKS WHITE CLAY	445'
WHITE CLAY	447'
SAND GRAVEL CLAY IRON OXIDE	460'



MATERIAL

OUTER CASING 20' OF 28" STEEL PIPE WELDED
INNER CASING 388' OF 18" STEEL PIPE WELDED
102' OF 12" STEEL PIPE T & C
RISER 20' OF 12" STAINLESS STEEL BLANK T&C
SCREEN 40' OF 12" STAINLESS STEEL
SUMP 5' OF 12" S.S. BLANK WITH STEEL & S.S. PLATES WELDED OI BOTTOM
GRAVEL NO DATA

PUMP NEW BOWLS 1966
1570 GPM. @ 330' TDH

TYPE (LAYNE) DRHC	SHOP NO. 48822A
SETTING 144'-8" S.F	SIZE 19"
SUCTION 9'-10" OF 10" T&C	STAGES 3
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10" FLGD.	HEAD TF 1028
TUBING W.L.	PRESS B.P. 89#
SHAFTING 1 11/16"	AIR LINE 2 3/8" @ 184'-3" BP 1 3/4" @ 184'-3" BP

MOTOR NEW 1971

MAKE U.S.	TYPE R.U.
VOLTS 230	R.P.M. 1770
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL C1007029
AMP. 388	FRAME 444TPH
MODEL	H.P. 190

WELL OVERHAULED 1971, 79, 86

CAP. 1800 GPM GUAR. 1600 GPM.

STARTED 9-28-63 PUMPED 8/71

ACCEPTED 5-5-64 PARCEL NO. 38

JAMAICA WATER SUPPLY CO.

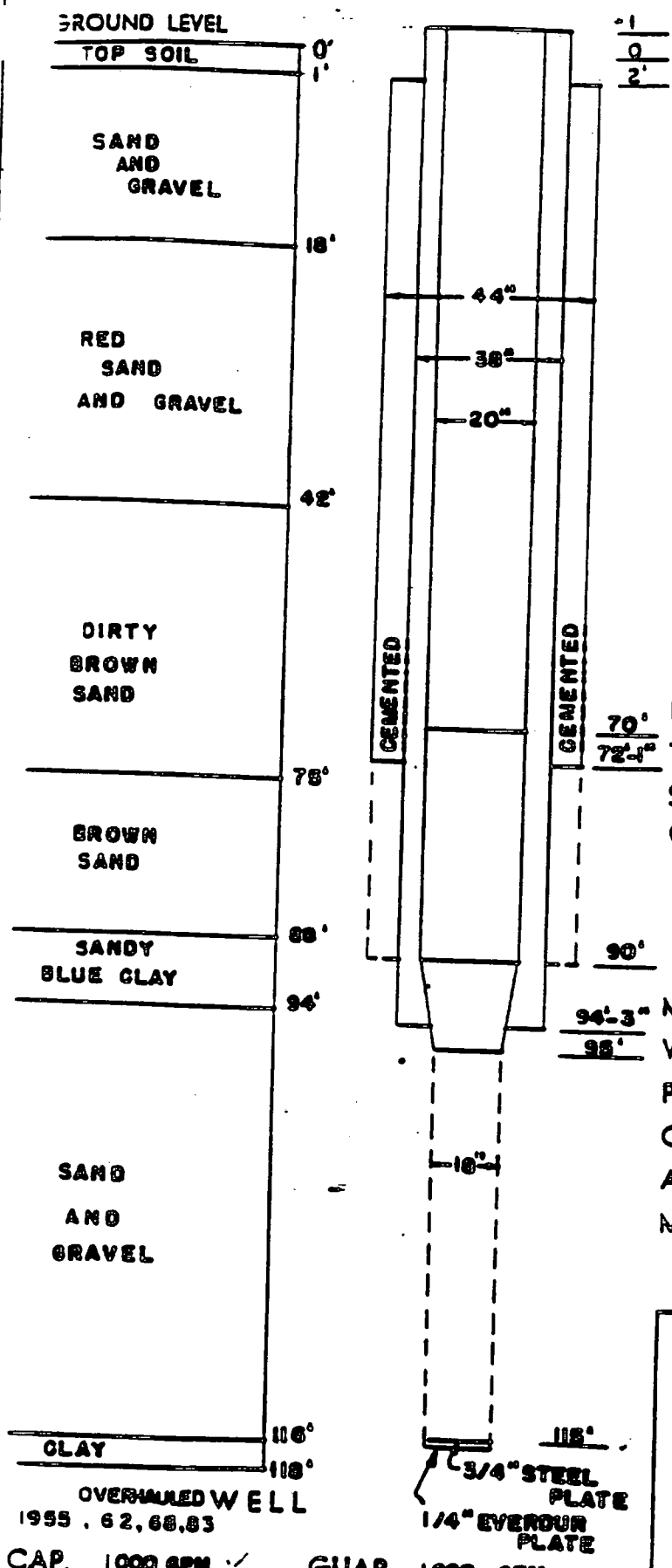
WELL NO. 25A
N7482

ELEV. 32.48' B.P. DATE 8/14/91

By A. I. [illegible]

Dwg. No.

Form 113-1M-8-39



MATERIAL

PIT
70'-1" OF 44" STEEL PIPE, WELDED
98'-1" OF 38" " " "
71' " 20" " " "
20' " 20" EVERDUR BLANK, WELDED
5' OF 20" X 18" EVERDUR SWEDGE

SCREEN 20' OF 18" EVERDUR

CONE 1-3/4" STEEL PLATE
1-1/4" EVERDUR PLATE

PUMP NEW 12/82

TYPE	RKLC	SHOP NO.	17282A
SETTING	105'-8" S.F.	SIZE	10"
SUCTION	4'-10" OF 6"	STAGES	7
BASKET	[redacted]	IMPELLERS	[redacted]
DISCHARGE	10" CEMENTED	HEAD T.F.	1028
TUBING	8" & 2½"	PRESS B.P.	
SHAFTING	1 15/16" & 1½"	AIR LINE	2 @ 110' DP
G.P.M.	380	T.O.H.	255'

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	220	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	819822 [redacted]
AMP.	242	FRAME	504-S
MODEL	GFU	H.P.	100

OVERHAULED WELL
1955, 62, 68, 83

CAP. 1000 GPM GUAR. 1000 GPM

STARTED 2-28-48 PUMPED 2-16-49

ACCEPTED 2-16-49

JAMAICA WATER SUPPLY CO.

WELL NO. 28
Q 1450

ELEV. BP 88.818'

DATE 2-28-49

By TGS

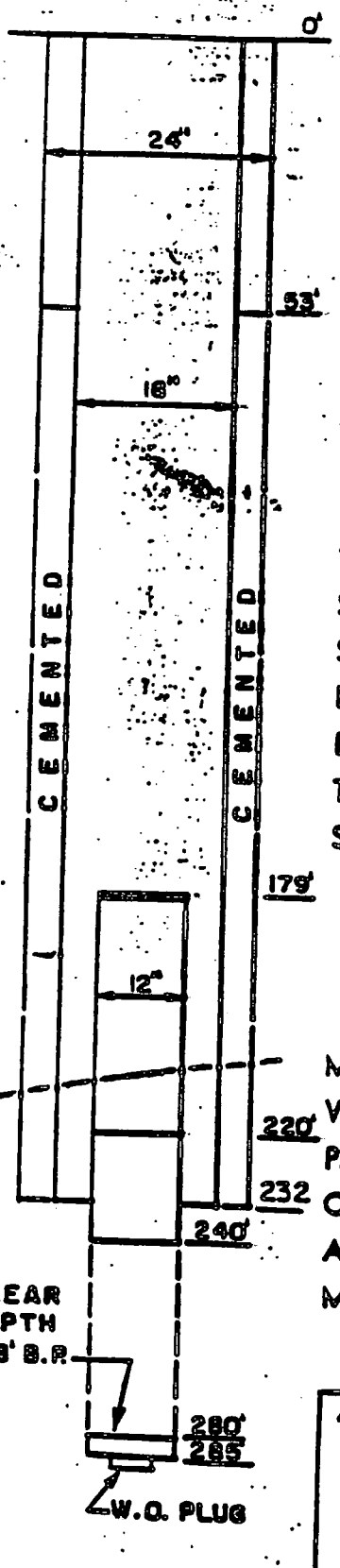
Dwg. No. 1

Form 132—1M—1.39

1970 C.A. 1120 RETIRED 42' OF 12" STEEL PIPE
R & L COUPLING

GROUND LEVEL

SAND AND GRAVEL	0' – 18'
RED SAND AND GRAVEL	18' – 42'
DIRTY BROWN SAND	42' – 75'
BROWN SAND	75' – 88'
CLAY	88' – 94'
BROWN SAND	94' – 114'
CLAY	114' – 118'
FINE GRAY SAND	118' – 134'
LIGNITE CLAY MUDDY SAND	134' – 205'
CLAY	205' – 226'
FINE BROWN SAND	226' – 284'
FINE SAND, CLAY	284' – 306'



MATERIAL

PIT
- 53' OF 24" STEEL PIPE, WELDED
- 232' OF 18" STEEL PIPE, WELDED
- 41' OF 12" STEEL PIPE, T&C
- 20' OF 12" EVERDUR BLANK

SCREEN 40' OF 12" EVERDUR

CONE 5' OF 12" EVERDUR BLANK & W.O. PLUG, CEMENTED

PUMP NEW 1980

TYPE DRNC	SHOP NO. 23866
SETTING 154'-4"	SIZE 16"
SUCTION 10' OF 10"	STAGES 3
BASKET ——	IMPELLERS BRONZE
DISCHARGE CEMENT LINED 10"X10 FLG.	HEAD TF 1028
TUBING 3"	PRESS B.P. 60#
SHAFTING 1 15/16"	2-AIR LINE 164'-10"

MOTOR NEW 1970

MAKE U. S.	TYPE HOLLOW SHAFT
VOLTS 208	R.P.M. 1770
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL C1002580
AMP. 390	FRAME 444 TP
MODEL R U	H.P. 150

WELL OVERHAULED 1982-70,80

CAP. 1600 GUAR. 1600

STARTED 3/70 PUMPED 3/70

ACCEPTED 3/70

JAMAICA WATER SUPPLY CO.

WELL NO. 26A
01815

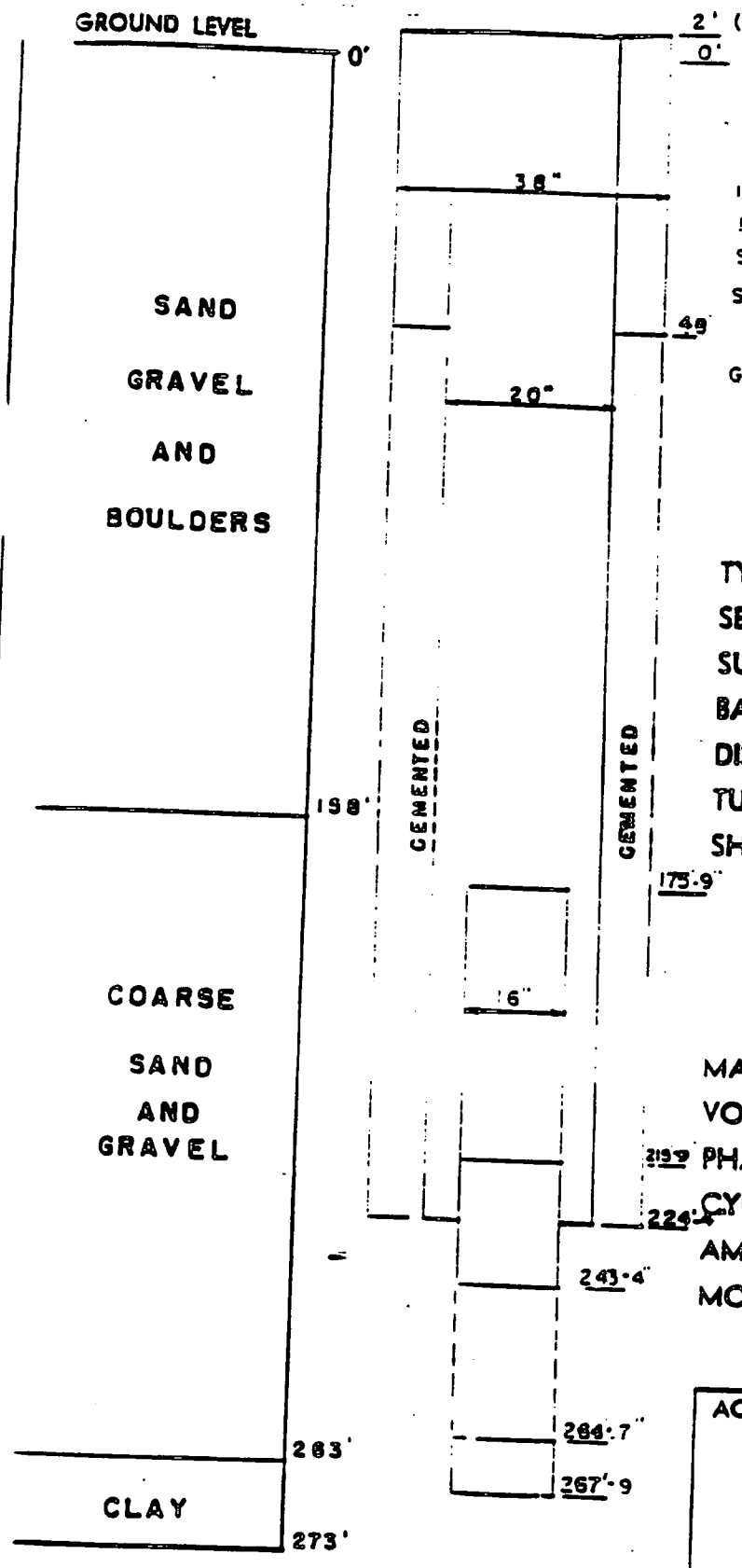
ELEV. 55.83'

REVISED 3/70
DATE 7-21-82

By M B

Dwg. No.

Form 112—1M—3-39



MATERIAL (NEW SCREEN 1992)

OUTER CASING: 50' OF 38" STEEL PIPE, WELDED
226'-4" OF 20" STEEL PIPE, WELDED
INNER CASING: 60' OF 16" (0.188 WALL) 304 SS PIPE
RISER 27'-7" OF 16" OD. W.W. JOHNSON 316L S.S. T.W.
SCREEN: 21'-3" OF 16" OD. WW-JOHNSON 316L S.S. #60 SLOT
SUMP 3'-2" OF 16" OD. W.W. JOHNSON T.W. W/ STEEL & S.S. PLATE WELDED ON BOTTOM

GRAVEL: 36" DIA. GRAVEL PACKING #2 & #3 MORIE MIX, 62% RETAINED ON US #12 SIEVE, UC ≤ 1.70

PUMP (NEW PUMP 1989)

(1025 GPM @ 305 TDH)

TYPE	RWBH	SHOP NO.	114489
SETTING	246'-4"	SIZE	12"
SUCTION	11' OF 8" NEGATIVE	STAGES	3
BASKET	FOOT VALVE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" T.G.	HEAD	TF 1028
TUBING	WATER LUBE	PRESS B.P.	45
SHAFTING	1-1/2" SS W/ SLEEVES	AIR LINE	(1) 1/8" @ 256'-4" (2) 3/8" @ 256'-4"

MOTOR 8/70

MAKE	U.S.	TYPE	H U
VOLTS	208/416	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	1266249
AMP.	286/128	FRAME	444 UPY
MODEL		H.P.	100

ACCEPTED 10-15-51

JAMAICA WATER SUPPLY CO.

WELL NO. 27
(Q-1747)

ELEV. 187.54' (BASE R.) DATE 5/11/92

By

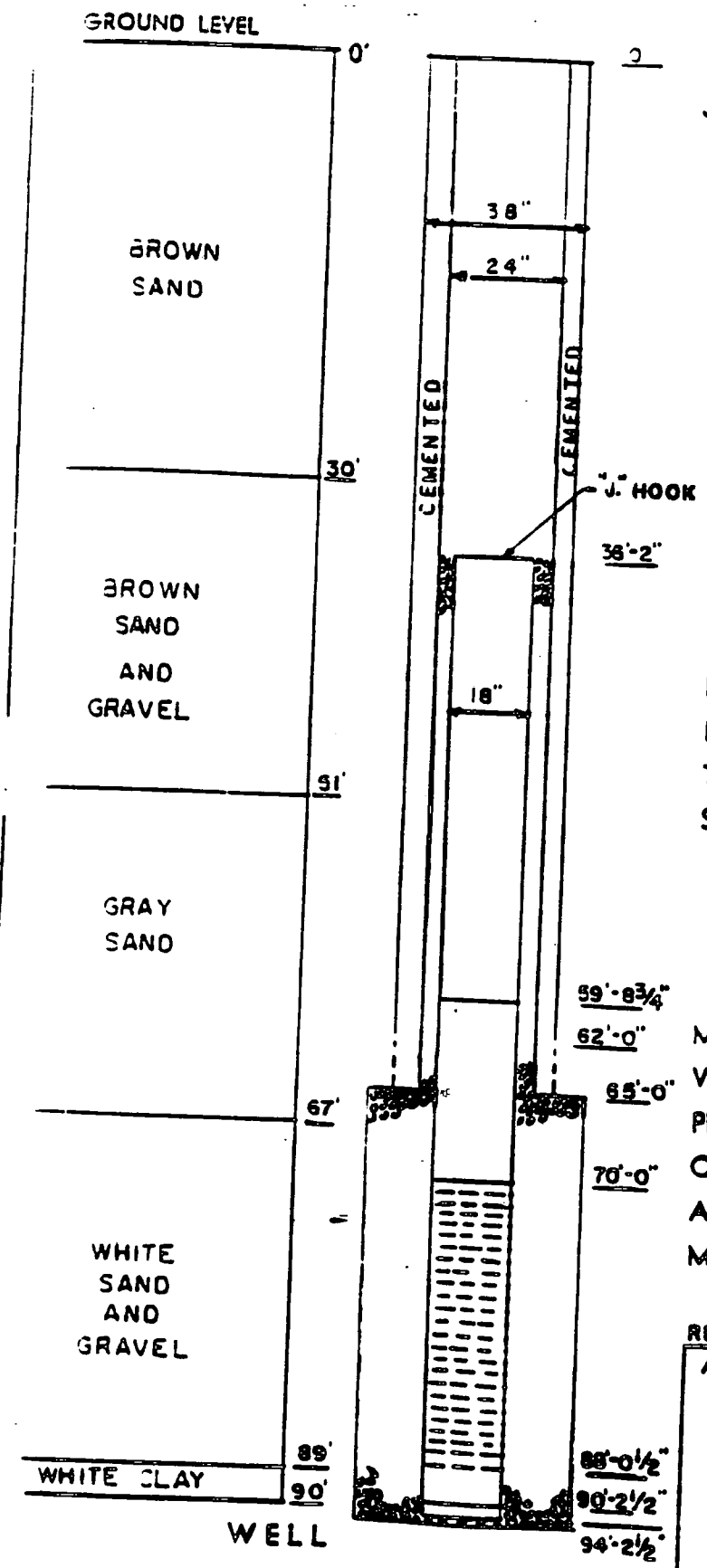
Dwg. No.

WELL (OVERHAULED 1959, 65, 72, 80, 92)

CAP. 1000 GUAR. 1000 G.P.M.

STARTED 9-7-50 PUMPED 1-24-51

FORM 152—1M—J.79



MATERIAL
(NEW SCREEN 1990)

CASINGS	
OUTER	62' OF 38" STEEL PIPE, WELDED 65' OF 24" 304 SS PIPE, WELDED
INNER	23'-8-3/4" OF 18" 304 SS PIPE
RISER	10'-3-1/4" OF 18" JOHNSON 316L SS. TIGHTWRAP
SCREEN	18'-0-1/2" WIRE WOUND JOHNSON 316L S.S. #50 SLOT
SUMP	2'-2" OF 18" JOHNSON 316L SS. T.W. 4'-0" OF 18" 304 SS PIPE W/ STEEL & SS PLATES WELDED ON BOTTOM
GRAVEL	36" DIA. GRAVEL PACKING #1 & #2 MORIE MIX; 75% RETAINED ON #16 SIEVE; UC 1.7

PUMP
NEW 1990
900 GPM @ 254' TDH

TYPE	RKBH	SHOP NO.	110705
SETTING	74-9½" SF	SIZE	12"
SUCTION	14-6" OF 6"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF1028
TUBING	W.L	PRESS B.P.	
SHAFTING	1-1/2"	AIR LINE	3/8"-2" BP

MOTOR
1990

MAKE	J.S.	TYPE	RUE
VOLTS	230/460	R.P.M.	1775
PHASE	3	FORM	DESIGN B
CYCLE	60	SERIAL	6326-502R322R172R-15
AMP.	176/88	FRAME	365TP-WPI
MODEL	CODE-F	H.P.	75

REVISED 2-59-6/90
ACCEPTED 1-19-49

JAMAICA WATER SUPPLY CO.

WELL NO. 28 (REDRILL)
N 2414

ELEV. 53.20' B.P.

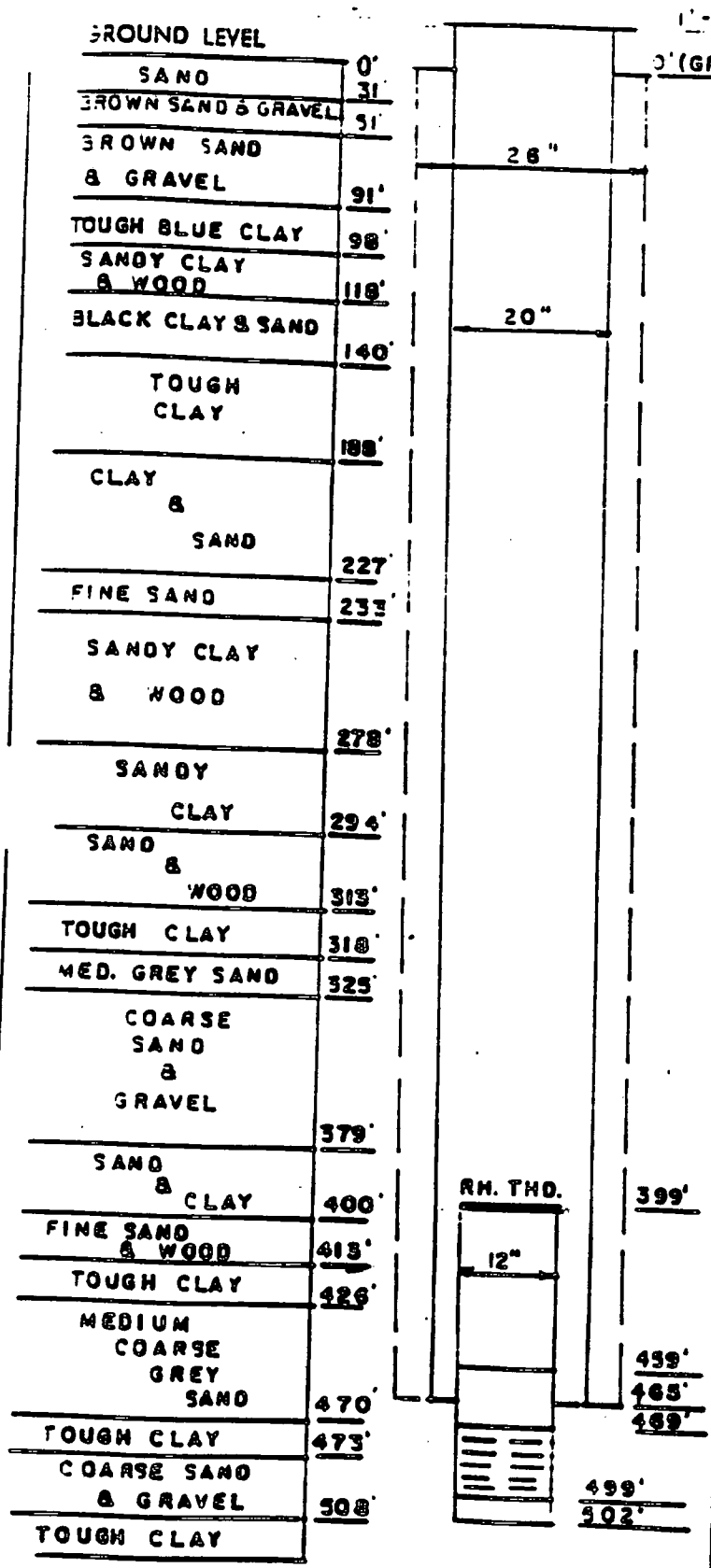
DATE 10/4/91

By A. I.

Doc. No.

CAP. 1200 GUAR. 1200
STARTED 11/18/47 PUMPED 12/31/47

Form 152—1M—J.39



MATERIAL

OUTER CASING	468'-7" OF 20" STEEL PIPE WELDED
INNER CASING	60' OF 12" 304 S.S. TW
RISER	10' OF 12" WW JOHNSON 316L S.S. TW
SCREEN	30' OF 12" WW JOHNSON 316L SS. TELESCOPE #50 SLOT
SUMP	3' OF 12" 316L SS W/STEEL & SS PLATES WELDED ON BOTOM
GRAVEL	32" DIA. GRAVEL PACKING #1 & #2 MORMIX 76% RETAINED ON US #16 SIEVE; UC ≤ 1.75

PUMP NEW PUMP 1991

900 GPM @ 400 TDH

TYPE	RKBH	SHOP NO.	112468
SETTING	216'-4½" SF	SIZE	12"
SUCTION	9'-9" OF 8"	STAGES	6
BASKET	F.V.	IMPELLERS	BRONZE
DISCHARGE	10" CEMENTED	HEAD	NONE.
TUBING	NONE	PRESS B.P.	100#
SHAFTING	1 15/16"	AIR LINE	210' B.P.

MOTOR NEW 1991

MAKE	PLEUGER	TYPE	M10-125-4
VOLTS	230	R.P.M.	1750
PHASE	3	FORM	SUBMERSIBLE
CYCLE	60	SERIAL	39012313
AMP.	242	FRAME	
MODEL		H.P.	125

WELL

CAP. 900 GUAR. 900

STARTED 3-29-90 PUMPED 5-25-90

ACCEPTED 5/22/91

JAMAICA WATER SUPPLY CO.

WELL NO. 28 A (REDRILL)
N-11647

ELEV. B.P. 53.10 DATE 8/9/91

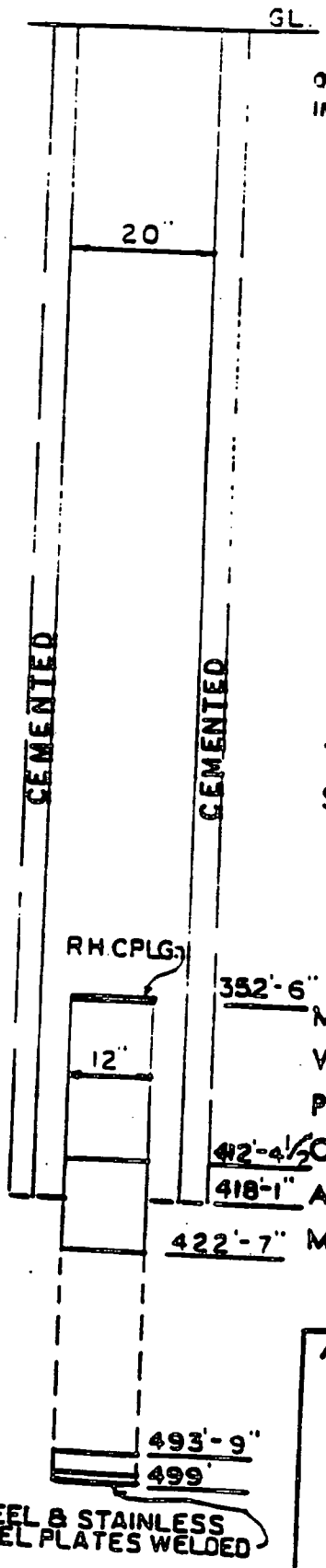
By A. I.

Dwg. No.

Form 852—1M—3-30

GROUND LEVEL

TOP SOIL	0' – 2'
FINE BROWN SAND	2' – 51'
FINE TO MED. COARSE GREY SAND & GRAVEL	51' – 92'
SOLID GREY CLAY	92' – 105'
FINE GREY SAND LAYERS GREY CLAY	105' – 125'
CLAY, LIGNITE & PYRITE	125' – 129'
SAND. LIGN. PYR. CLAY	129' – 131'
SOLID GREY CLAY	131' – 162'
FINE TO MEDIUM COARSE GREY SAND LAYERS OF GREY CLAY LIGNITES & PYRITE	162' – 310'
SOLID GREY CLAY	310' – 323'
COARSE SAND & GRAVEL LAYERS OF GREY CLAY HARDPAN LIGNITES & PYRITE	323' – 475'
COAR. SAND & GRAV. STONES & CLAY CHUNKS	475' – 498'
SOLID. GREY CLAY	498' – 503'



MATERIAL

OUTER CASING 418'-1" OF 20" BLACK STEEL PIPE, WELDED
INNER CASING 59'-10-1/2" OF 12" BLACK STEEL PIPE, WELDED
RISER 10'-2-1/2" OF 12" JOHNSON 316L S.S. T.W.

SCREEN 70' OF 12" W W JOHNSON 316L S.S. #50 SLOT
SUMP 5'-3" OF 12" JOHNSON 316L SS T W WITH STEEL & S.S. PLATES WELDED ON BOTTOM
GRAVEL 32" DIA. GRAVEL PACK #18 #2 MORIE MIX 75% RETAINED ON US #16 SEIVE, UC 51.7

PUMP

1380 GPM 375 TDH

TYPE CL
SETTING 217'-11" TO SF
SUCTION 9'-10" OF 10"
BASKET NONE
DISCHARGE 10"
TUBING WL.
SHAFTING 1½" SS

SHOP NO. 102667
SIZE 13"
STAGES 7
IMPELLERS BRONZE
HEAD TF1018
PRESS B.P. 82#
AIR LINE (1) 3/8" @ 227'-9"
(2) 3/8" @ 227'-9"

MOTOR

MAKE US
VOLTS 230/460
PHASE 3
CYCLE 60
AMP. 346/175
MODEL

TYPE RUE
R.P.M. 1775
FORM VERT.
SERIAL 9400-498-327
R2114586 J2860420
FRAME 444 TP-WPI
H.P. 150

ACCEPTED 6/18/84

JAMAICA WATER SUPPLY CO.

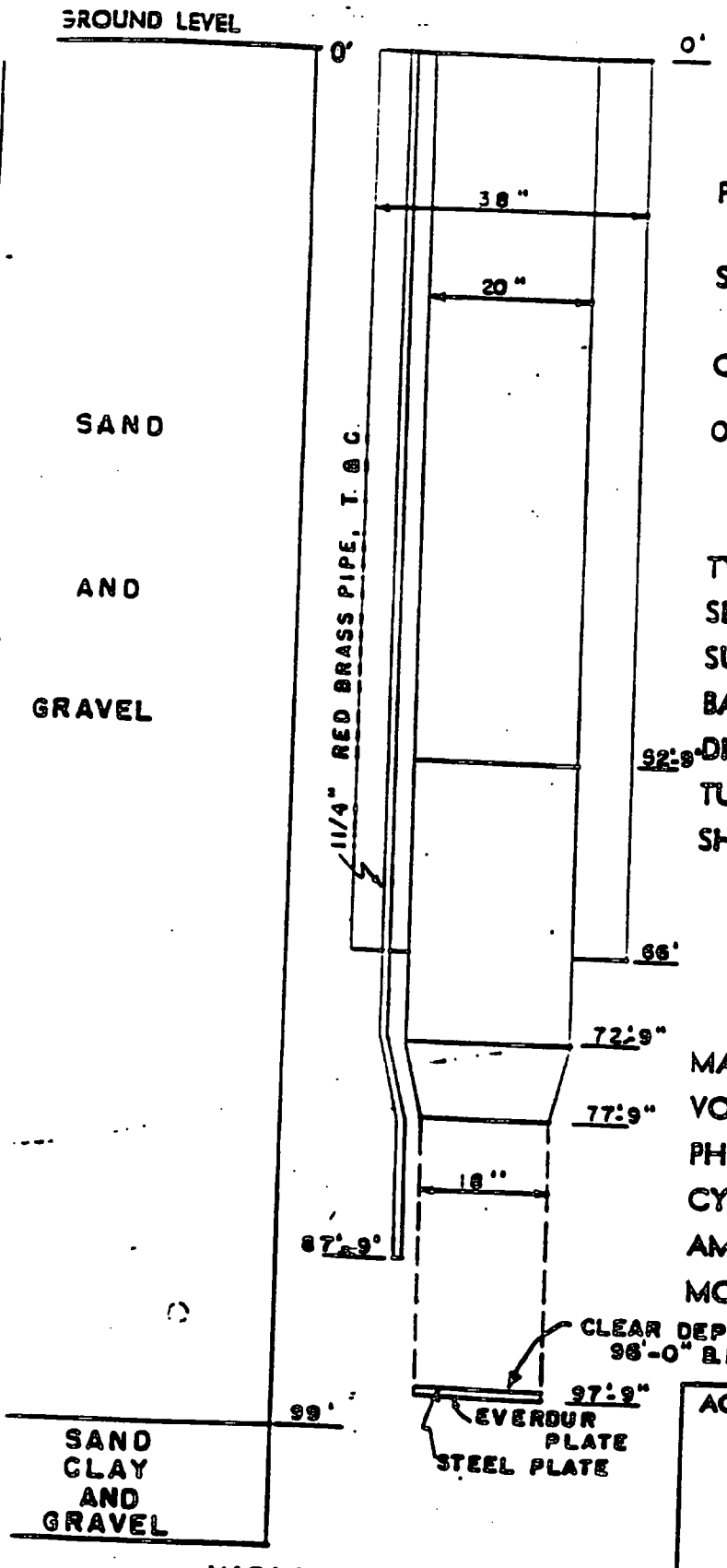
WELL NO. 288
N10211

ELEV. 38'-10"
DATE 10/4/91
By A. I.
Dwg. No.

WELL

CAP. 1380
STARTED 3/23/84
GUAR. 1380
PUMPED

Form 152—1M—3-30



MATERIAL

PIT
66' OF 38" STEEL PIPE, WELDED
52'-9" OF 20" " " "
20' OF 20" EVERDUR BLANK
5' OF 20" X 28" EVERDUR SWEDGE

SCREEN 20' OF 18" EVERDUR

CONE 1- EVERDUR PLATE
1- STEEL PLATE

OTHER 87.8' OF 1-1/4" RED BRASS PIPE

PUMP 4/70

TYPE	RKAL	SHOP NO.	21257A
SETTING	93'-7"	SIZE	12"
SUCTION	1' OF 8"	STAGES	2
BASKET	———	IMPELLERS	BRONZE
DISCHARGE	CEMENT LINED 10" X 10" FLG.	HEAD	TF 1028
TUBING	2 1/2"	PRESS B.P.	
SHAFTING	1 1/2"	AIR LINE	91'-6"

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	220	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	2021642
AMP.	98	FRAME	404-1
MODEL	CFU	H.P.	40

WELL OVERHAULED 1959-63-70

CAP.

STARTED 4-7-50

GUAR. 1200 G.P.M.

PUMPED 5'-2'-50

ACCEPTED 4-13-51

JAMAICA WATER SUPPLY CO.

WELL NO. 29
(0-1534)

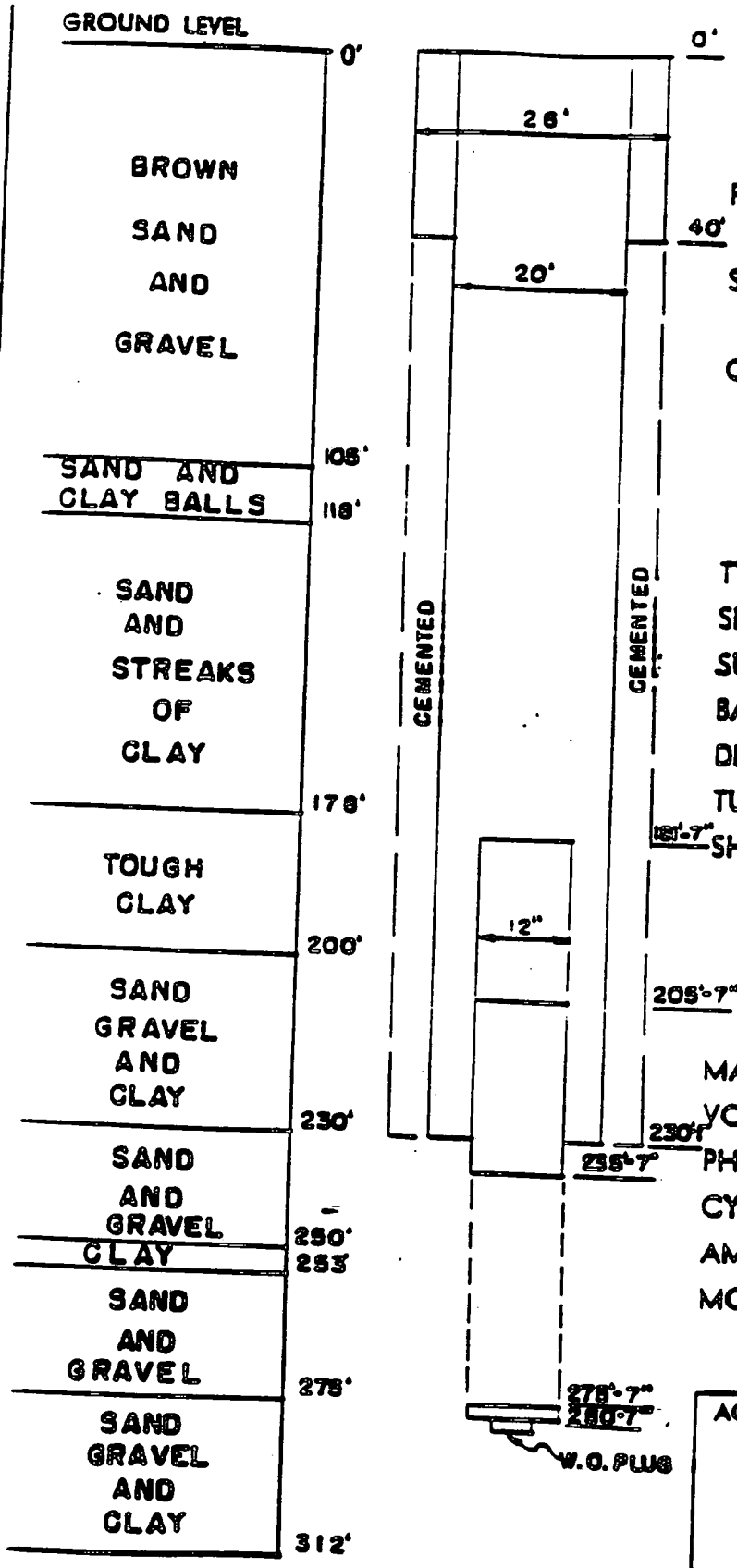
ELEV. 67.8' B.P.

DATE 4-13-51

By S.J.G.

Dwg. No.

152—1M—3-30



MATERIAL

PIT
40' OF 26" STEEL PIPE WELDED
230'-1" OF 20" " " "
24' OF 12" " " T. & C.
30' OF 12" EVERDUR BLANK

SCREEN 40' OF 12" EVERDUR

CONE 5' OF 12" PIPE & WASH-OUT PLUG CEMENTED

PUMP 1970

TYPE	DRNC	SHOP NO.	21256A
SETTING	173'-9'	SIZE	15"
SUCTION	9'-8" OF 8"	STAGES	2
BASKET	FOOT VALVE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLG. CEMENT LINED	HEAD	T.F 1028
TUBING	2 1/8"	PRESS	B.P.
SHAFTING	1 1/2"	AIR LINE	181'-0" B.P.

MOTOR 1970

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	985907
AMP.	256	FRAME	504
MODEL	CODE "F" CFU	H.P.	100

WELL OVERHAULED 1959, 65, 70

CAP.
STARTED 2-1-50

GUAR. 1600 G.P.M.
PUMPED 4-3-50

ACCEPTED 4-3-50

JAMAICA WATER SUPPLY CO.

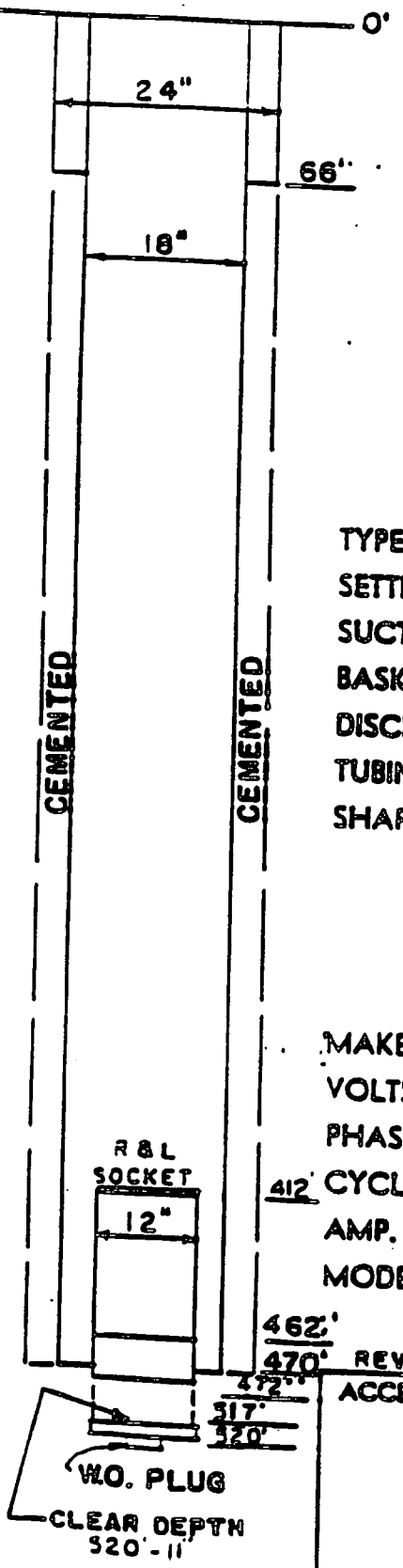
WELL NO. 29 A
(Q-1629)

ELEV. 67.8'

DATE 5-29-51

L.A.N.

ND LEVEL	0'
SAND AND GRAVEL	28'
SANDY CLAY	40'
CLAY AND STREAKS OF SAND	98'
SAND CLAY AND WOOD	164'
CLAY AND STREAKS OF SANDS	187'
SANDY CLAY	228'
TOUGH CLAY AND STREAKS OF SAND	267'
SAND AND GRAVEL	295'
CLAY SAND AND GRAVEL	305'
TOUGH CLAY	320'
CLAY SAND AND GRAVEL	337'
SAND GRAVEL AND CLAY STREAKS	361'
CLAY	369'
SAND CLAY AND WOOD	385'
TOUGH CLAY	408'
HARD PACKED MUDDY SAND	427'
TOUGH CLAY	430'
SAND AND GRAVEL	453'
CLAY AND HARD STREAKS	469'
SAND, FINE GRAVEL AND SOME CLAY	520'
TOUGH CLAY	542'
CLAY & GRAVEL	564'
TOUGH CLAY AND HARD STREAKS	585'



MATERIAL

(NEW SCREEN 1990)

CASINGS
- OUTER: 66' OF 24" STEEL PIPE, WELDED; 470' OF 18" STEEL PIPE, WELDED
- INNER: 50' OF 12" 304 SS PIPE
- RISER: 10' OF 12" JOHNSON 316 L SS TELESCOPE T. W.
- SCREEN: 45' OF 12" W.W. JOHNSON 316 L SS. TELESCOPE #50 SLOT
- SUMP: 3' OF 12" JOHNSON 316 L SS TELESCOPE T.W W/ SS PLATE WELDED ON BOTTOM
- GRAVEL: 32" DIA. GRAVEL PACKING #2 MONIE, 82% RETAINED ON #14 SIEVE

PUMP (NEW PUMP 1972)

1200 GPM @ 132 TDH

TYPE	T L C	SHOP NO.	23090A
SETTING	83'-6"	SIZE	12"
SUCTION	9'-8" OF 10"	STAGES	2
BASKET		IMPELLERS	BRONZE
DISCHARGE	CEMENT LINED 10" X 10" FLG.	HEAD	TF1025
TUBING	2½"	PRESS B.P.	19
SHAFTING	1½"	AIR LINE	121'-0" 8 P

MOTOR 10/72

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	230/480	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	964962
AMP.	122	FRAME	405-4
MODEL	C. F. U.	H.P.	50

REV. JAN. 1959

ACCEPTED 2-28-53

WELL

CAP. 1200 G.P.M. (OVERHAULED 1958), 1982 65,72

GUAR. 1200 G.P.M.

STARTED

PUMPED

JAMAICA WATER SUPPLY CO.

WELL NO. 30 (N 3720)

ELEV. B.R 37.61

DATE 3/24/92

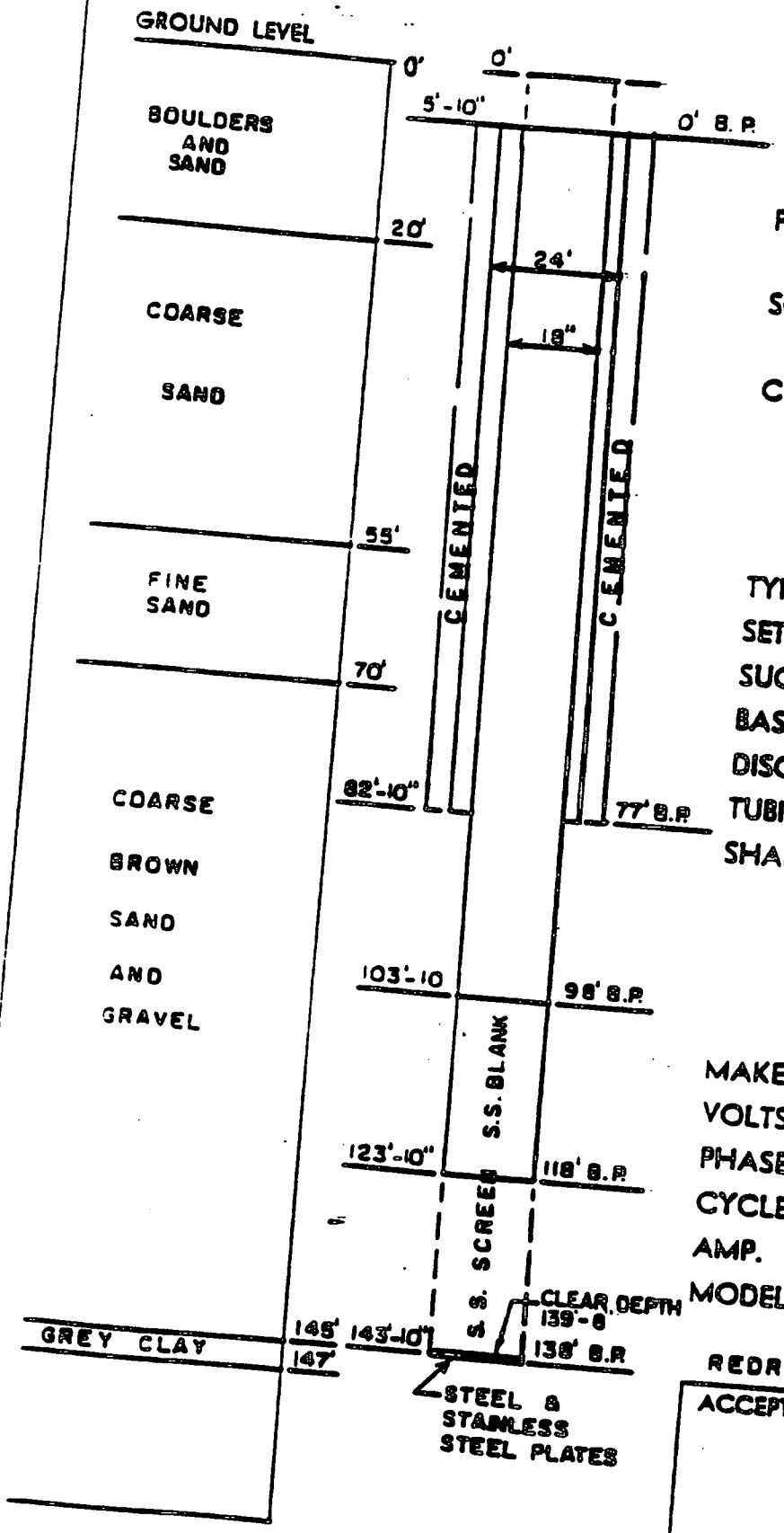
By. A. I.

Dwg. No.

Form 152—131—J.39

WELL = 31-40A

31 -
32 -
33 -
34 - REV 8/91
35 - REV 8/91
35A - REV 8/91
36 - REV 8/91
37 -
38 - REV 7/91
38A - REV 7/91
39 -
39A - REV 7/91
40 - REV 8/91
40A - REV 8/91



MATERIAL

PIT 77' OF 24" STEEL PIPE WELDED (ORIG CASING)
98' OF 18" STEEL PIPE 3/8" WALL WELDED
20' OF 18" STAINLESS STEEL BLANK

SCREEN 20' OF 18" STAINLESS STEEL SHUTTE
#8 OPENING

CONE STEEL & STAINLESS STEEL PLATES

PUMP 1980

TYPE DRHC
SETTING 116'-10" S.F.
SUCTION 9'-8" OF 10"
BASKET NONE
DISCHARGE 10" x 10" FLGD. CEMENT LINED
TUBING 3"
SHAFTING 1 15/16"

SHOP NO. 23848A
SIZE 15"
STAGES 9
IMPELLERS BRONZE
HEAD TF 1025
PRESS B.P. 88#
AIR LINE 2 AT 126'-6"

MOTOR

MAKE U.S.
VOLTS 208
PHASE 3
CYCLE 60
AMP. 256
MODEL CFU

TYPE HOLLOW SHAFT
R.P.M. 1200
FORM VERTICAL
SERIAL 917418
FRAME 587-3
H.P. 100

REDRILLED 1968
ACCEPTED 7-2-51

WELL 1968, 1975, 1980

CAP. 1023
STARTED 8-29-51

GUAR. 1020
PUMPED 10-4-61

JAMAICA WATER SUPPLY CO.

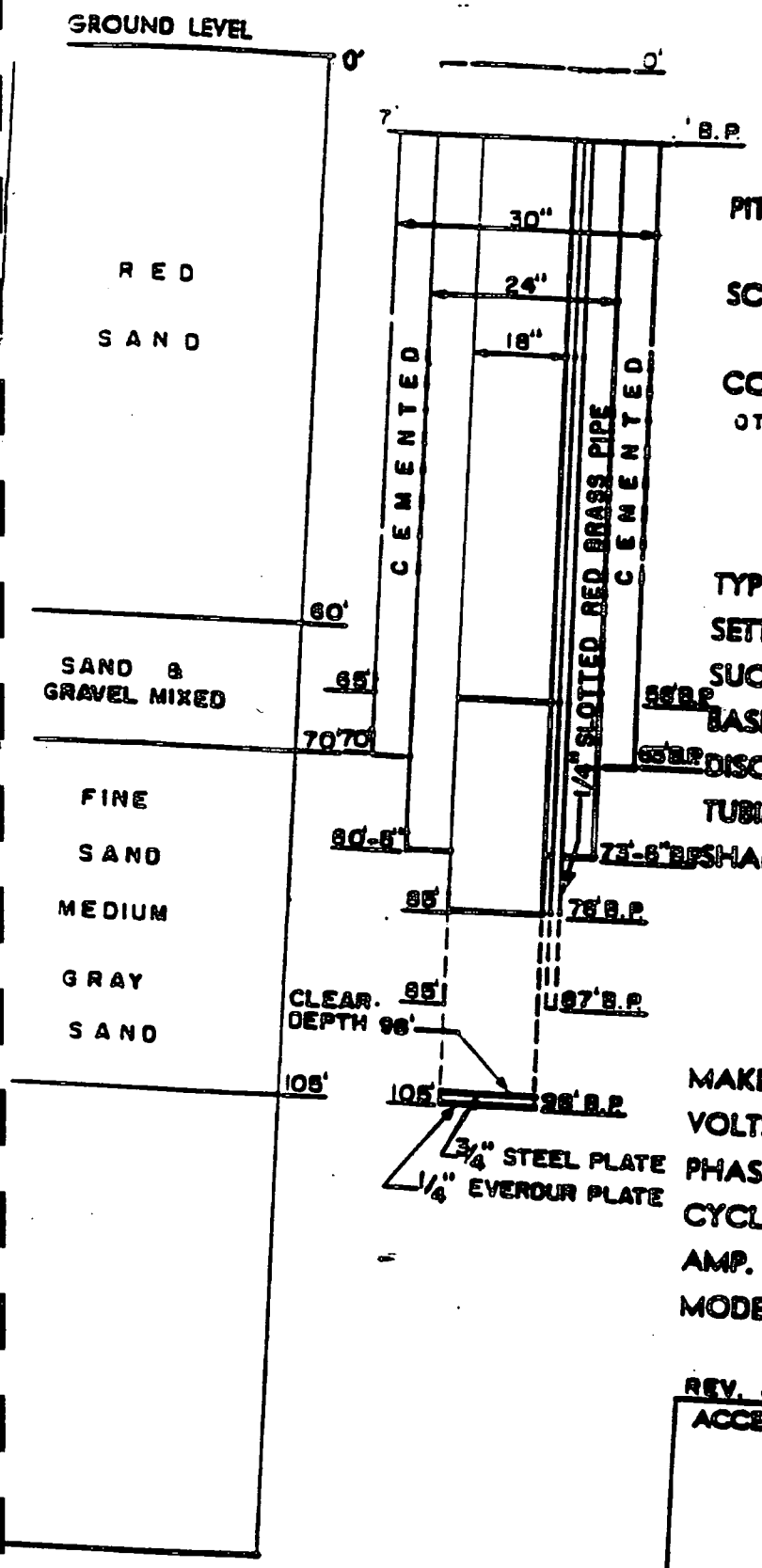
WELL NO. 31 / 01811

ELEV. 42.16 B.R

DATE 9-29-75

By R.M.

132—1M—1.39



MATERIAL

PIT 73'-6" OF 24" STEEL PIPE, WELDED
58' OF 18" STEEL PIPE, WELDED
20' OF 18" EVERDUR BLANK, WELDED

SCREEN 20' OF 18" EVERDUR

CONE 1 - 3/4" STEEL PLATE
1 - 1/4" EVERDUR PLATE
OTHER 87' OF 1-1/4" RED BRASS PIPE

PUMP (NEW 1962)

TYPE R KBH
SETTING 94'
SUCTION 1'-1(1'OF 8"
BASKET
DISCHARGE 10"X10" FLGD. CEMENT LINED
TUBING 3"
SHAFTING 1 15/16"

SHOP NO. 24830
SIZE 12"
STAGES 3
IMPELLERS BRONZE
HEAD TF1028
PRESS B.P. 88#
AIR LINE 96' B.P.

MOTOR

MAKE U. S.
VOLTS 220-440 (208)
PHASE 3
CYCLE 60
AMP. 121-242
MODEL CFU

TYPE HOLLOW SHAFT
R.P.M. 1800
FORM VERTICAL
SERIAL 1098888
FRAME 504-5
H.P. 100

REV. JAN. 1969
ACCEPTED 11-5-62

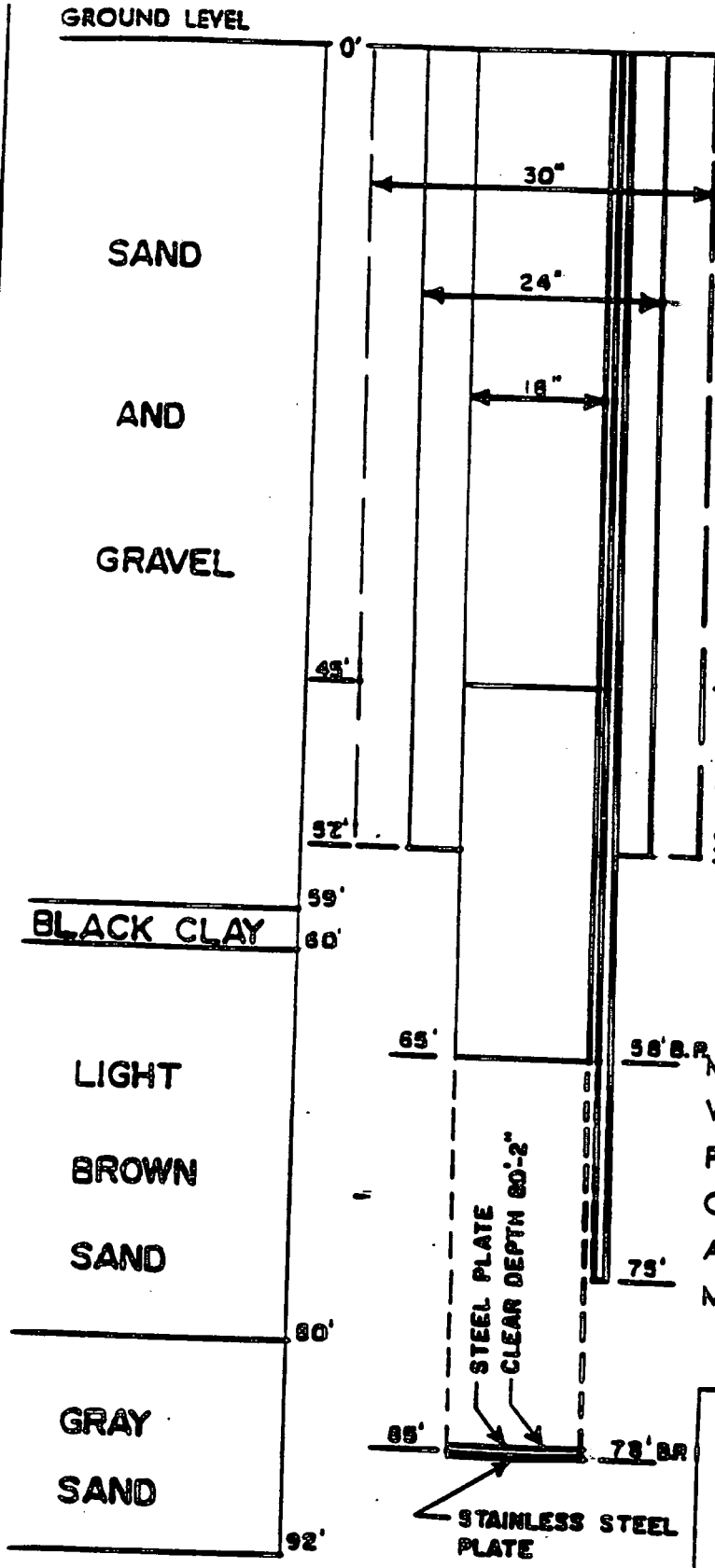
JAMAICA WATER SUPPLY CO.

WELL NO. 32
(21 640)

WELL OVERHAULED 1958, 64, 72, 1969

AP.
GUAR. 1194
STARTED 1-29-62
PUMPED 10-28-62

ELEV. B.P. 32.91'
DATE 9-28-64
By M B
Dwg. No.



MATERIAL

57' OF	24"	STEEL PIPE, WELDED
45' OF	18"	STEEL PIPE, WELDED
20' OF	18"	STAINLESS STEEL BLANK WELDED
75' OF	1¼"	RED BRASS PIPE, T.& C.

SCREEN 20' OF 18" STAINLESS STEEL

CONE 1- STEEL PLATE WELDED
1- STAINLESS STEEL PLATE, WELDED

PUMP

TYPE	RKMAM	SHOP NO.	24803A
SETTING	75' S.F.	SIZE	12"
SUCTION	1'-5" OF 8" 38' B.P.	STAGES	4
BASKET	———	IMPELLERS	BRONZE
DISCHARGE	CEMENT LINED 10"	HEAD	TF 1029
TUBING	2½"	PRESS B.P.	[illegible]
SHAFTING	1½" 50' B.P.	AIR LINE	76'-B.P.

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	220-440	R.P.M.	1800
PHASE	3	FORM	VERT
CYCLE	60	SERIAL	915845
AMP.	180/90	FRAME	448-6
MODEL	CFU	H.P.	75

WELL OVERHAULED 1956 1963 1974

CAP.

STARTED 3-3-52

GUAR. 1000

PUMPED 9-24-52

ACCEPTED 10-7-52

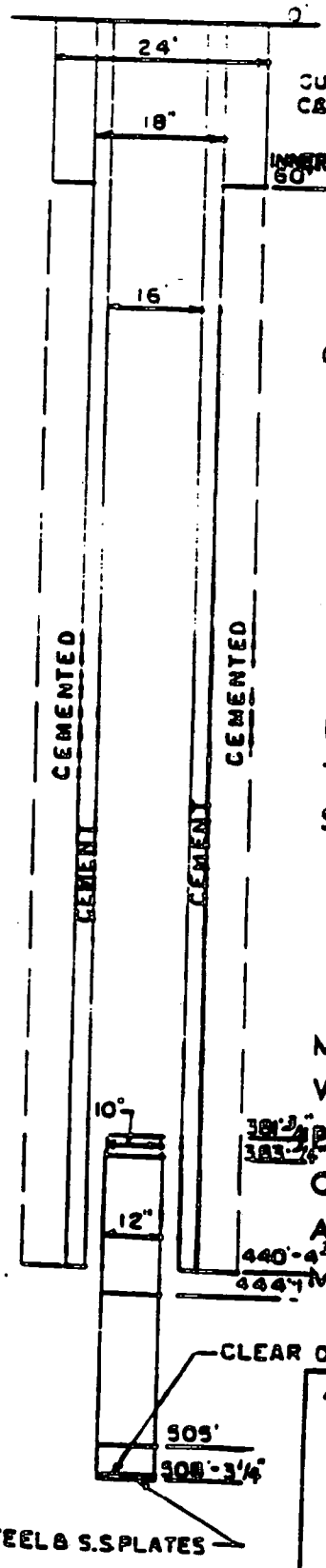
JAMAICA WATER SUPPLY CO.

WELL NO. 33
(01843)

ELEV. 30.21'

DATE 6-14-74

GROUND LEVEL	0'
COARSE RED SAND	40'
SAND & GRAVEL	63'
FINE MUDDY SAND & CLAY	80'
WHITE CLAY FINE SAND	109'
BLUE CLAY	111'
MUDDY SAND CLAY & WOOD	185'
SAND & GRAVEL STREAKS OF CLAY	223'
MUDDY SAND, WOOD STREAKS OF HARD CLAY	263'
ED. FINE SAND WOOD & CLAY STREAKS	297'
TOUGH CLAY	309'
MED. COARSE SAND CLAY STREAKS	346'
CLAY	357'
SAND & GRAVEL	362'
TOUGH CLAY	378'
SAND & GRAVEL CLAY STREAKS	414'
SANDY CLAY SAND & GRAVEL	458'
COARSE SAND, GRAVEL WOOD & CLAY	462'
COARSE SAND & FINE GRAVEL	497'
COARSE SAND WHITE CLAY	505'
TOUGH CLAY	510'
BLACK CLAY	522'



MATERIAL (NEW SCREEN 1985

OUTER CASING: 60' OF 24" BLACK STEEL PIPE, WELDED; 440'-4⅜" OF 18" BLACK STEEL PIPE, WELDED; 440'-4⅜" OF 16" BLACK STEEL PIPE, WELDED

INNERCASING: 2' OF 10" BLACK STEEL PIPE, WELDED

RISER: 61'-1/4" OF 12" NOM. 316L SS. BLANK, WELDED

SCREEN: 61'-1/4" OF 12" NOM. W.W. JOHNSON 316L S.S. #60 SLOT

SUMP: 3'-3-1/4" OF 12" NOM. 316L S.S. BLANK WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL: 32" DIA. GRAVEL PACK #2 & 3 MORIE MIX

PUMP

1700 GPM @ 280' TDH

TYPE (LAYNE) CEH		SHOP NO.	27878
SETTING	105'-2½" S.F	SIZE	13"
SUCTION	9'-11" OF 10"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" CPLG	HEAD	TF 1029
TUBING	W.L.	PRESS B.P.	70#
SHAFTING	1½" S.S.	AIR LINE	100'-- B.P.

MOTOR

MAKE	U.S.	TYPE	CFU
VOLTS	220	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	991457
AMP.	350	FRAME	5872
MODEL		H.P.	150

WELL

CAP. 1731 GUAR. 1700

STARTED 2-7-85 PUMPED 5-23-85

ACCEPTED 5-23-85

JAMAICA WATER SUPPLY CO.

WELL NO. 34 (REDRILL)

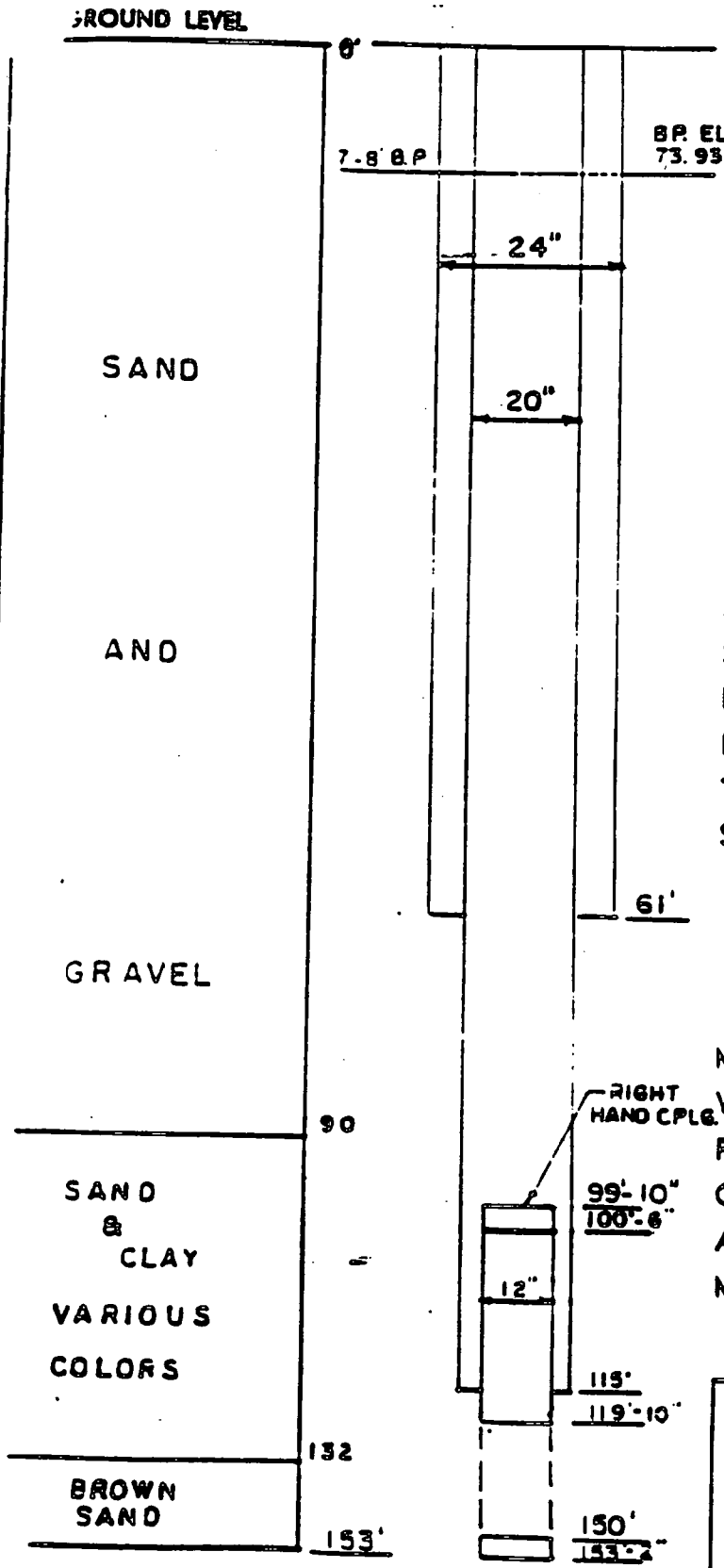
N4512

ELEV. 41.91' B.P. DATE 8/14/81

By A. [illegible]

Dwg. No.

Form 153—1M—1-70



MATERIAL
(NEW SCREEN 1988)

OUTER CASING	61' OF 24" STEEL PIPE, WELDED 115' OF 20" (0.250 WALL) 304 SS PIPE WELDED
INNER CASING	0 - 8" OF 12" (0.375 WALL) STEEL PIPE WELDED
RISER	19'-4" OF 12" NOM JOHNSON 316 L SS. TW
SCREEN	30'-2" OF 12" WW JOHNSON 316L SS 50 SLOT
SUMP	3'-2" OF 12" NOM JOHNSON 316 L SS. TW WITH STEEL & SS PLATES WELDED ON BOTTOM
GRAVEL	30" DIA. GRAVEL PACK #1 & #2 MORIE MIX 75% RETAINED ON US #16 SIEVE - UC 1.7

PUMP (NEW 1988)
700 GPM @ 174' TDH

TYPE	RKBL	SHOP NO.	26352
SETTING	88'-10" S.F.	SIZE	12"
SUCTION	9'-10" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF 1025
TUBING	W.L.	PRESS B.P.	498#
SHAFTING	1-1/2" S.S.	AIR LINE	(2) 3/8" @ 88'-10" (2) 3/4" @ 88'-10"

MOTOR

MAKE	U.S.	TYPE	C F U.
VOLTS	208/416	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	2308113
AMP.	51.8 - 104	FRAME	404
MODEL		H.P.	40

CLEAR DEPTH 82' B.P.

ACCEPTED 7-14-54
REDRILL 8-9-88

JAMAICA WATER SUPPLY CO.

WELL NO. 35 (REDRILL)
(N-4077)

ELEV. B.P. 73.93 DATE 8-30-91

By A. I.

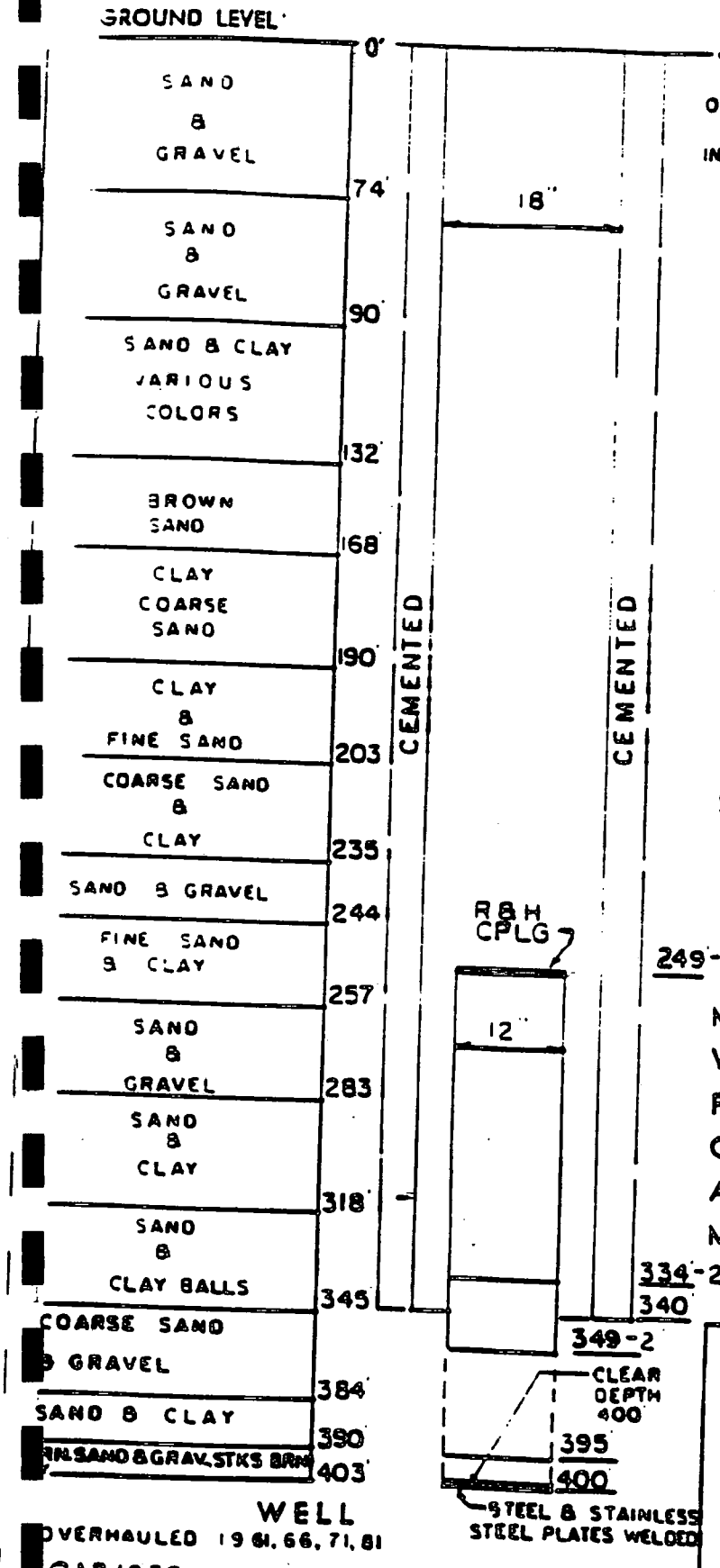
Dwg. No.

WELL OVERHAULED 1961, 65, 70, 83, 1988

CAP. 700 GUAR. 1400

STARTED 10-7-53 PUMPED

Form 152—4M—3-39



MATERIAL

OUTER CASING 340' OF 18" (0.375 WALL) BLACK STEEL PIPE WELDED

INNER CASING 85' OF 12" (0.375 WALL) BLACK STEEL PIPE WELDED

RISER 15' OF 12" (0.188 WALL) 316L S.S. PIPE

SCREEN 50' OF 12" W.W. JOHNSON 316L STAINLESS STEEL SLOT #90

SUMP 5' OF 12" EVERDUR WITH STEEL & SS. PLATES WELDED ON BOTTOM

GRAVEL NO DATA

PUMP (NEW BOWLS 1984) 1800 GPM @ 180' TDH

TYPE	T.H.C.	SHOP NO.	2635-C
SETTING	144-1/2' S.F.	SIZE	12"
SUCTION	10' OF 10'	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLG.C.L.	HEAD	TF 1025
TUBING	2 1/2"	PRESS B.P.	35#
SHAFTING	1 1/2"	AIR LINE	1/4"

MOTOR 1971

MAKE	U.S.	TYPE	CFU.
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	993693
AMP.	121/242	FRAME	504
MODEL	V.H.S.	H.P.	100

ACCEPTED 3/10/84

JAMAICA WATER SUPPLY CO.

WELL NO. 35 A (REDRILL)
(N 4298)

ELEV. 73.92 BP

DATE 8/14/81

By A.L.

Dwg. No.

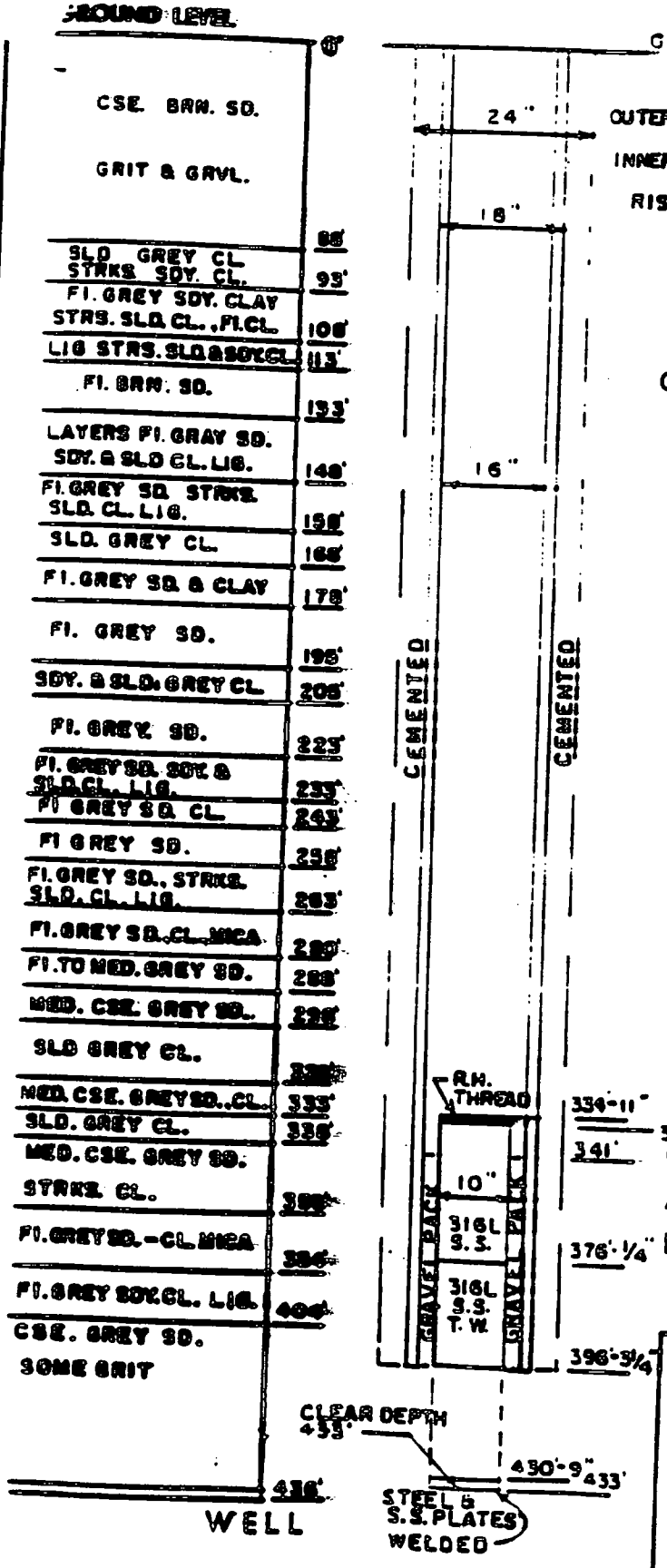
WELL

OVERHAULED 1961, 66, 71, 81

CAP. 1970 GUAR. 1500

STARTED 1-17-84 PUMPED 12/71

152-1M-3.70



MATERIAL

OUTER CASING { 396'-3-1/4" OF EXIST 18" STEEL PIPE WELDED
396'-3-1/4" OF 16" (0.188 WALL) 304 SS PIPE, WELDED

INNER CASING { 1'-2-1/4" OF 10" (0.365 WALL) BLACK STEEL PIPE, WELDED
39'-11" OF 10" (0.165 WALL) 316 L SS. PIPE, WELDED

RISER 20'-3" OF 10" 316 L SS TIGHTWRAP WELDED

SCREEN 34'-9 3/4" OF 10" W.W. MUSTANG 316 L SS # 60 SLOT

SUMP 2'-3" OF 10" 316L SS. TIGHTWRAP WITH STEEL & S.S. PLATES, WELDED ON BOTTOM

GRAVEL 30" DIA. GRAVEL PACK OF #2 & #3 MORIE MIX

PUMP

1600 GPM @ 123' TDH

TYPE	(LAYNE) TLC.	SHOP NO.	60035A
SETTING	114'-2 1/4" S F	SIZE	12"
SUCTION	9'-7" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" FLGD.	HEAD	TF 1025
TUBING	W.L.	PRESS	B.P. 20#
SHAFTING	1 11/16" SS.	AIR LINE	N @ 110' 1 @ 123'-9 1/4"

MOTOR 1969

MAKE	U.S.	TYPE	CFU
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	1046423
AMP.	121/242	FRAME	504
MODEL		H.P.	100

CAP. 1600 GUAR. STATIC 34'-8"

STARTED 4-2-86 PUMPED

ACCEPTED 4-6-87

JAMAICA WATER SUPPLY CO.

WELL NO. 36 (REDRILL)

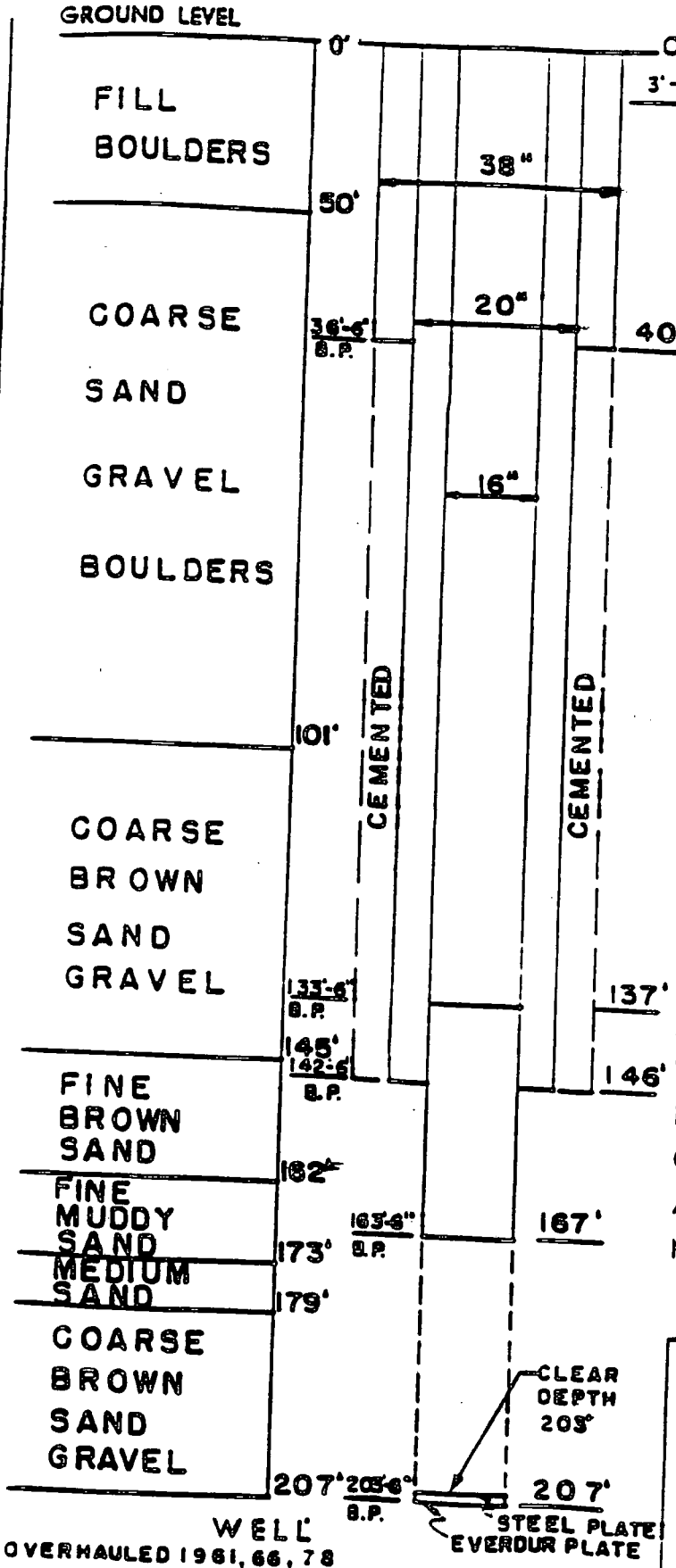
Q 2026

ELEV. BP 38.22 DATE 8/23/91

By A.I.

Dwg. No.

FORM 152—1M—1-59



MATERIAL

PIT
40' OF 38" STEEL PIPE WELDED
146' " 20" " " "
137' " 16" " " "
30' " 16" EVERDUR BLANK, WELDED

SCREEN 40' OF 16" EVERDUR

CONE STEEL & EVERDUR PLATES WELDED

10' 16" COLUMN ADDED IN 1972

PUMP NEW 1978

TYPE	R.K.6L	SHOP NO.	27578 A
SETTING	175'-7½"	SIZE	12"
SUCTION	9'-10" OF 8"	STAGES	5
BASKET	———	IMPELLERS	BRONZE
DISCHARGE	8"X10' T. & C. CEMENT LINED	HEAD	TF1028
TUBING	NONE	PRESS	B.P.
SHAFTING	1½	AIR LINE	2" AT 184' B.P.

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208-416	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	978229
AMP.	256-128	FRAME	504-5
MODEL	CFU	H.P.	100

WELL
OVERHAULED 1961, 66, 78
CAP.
STARTED 1-4-54

GUAR. 1183
PUMPED

ACCEPTED

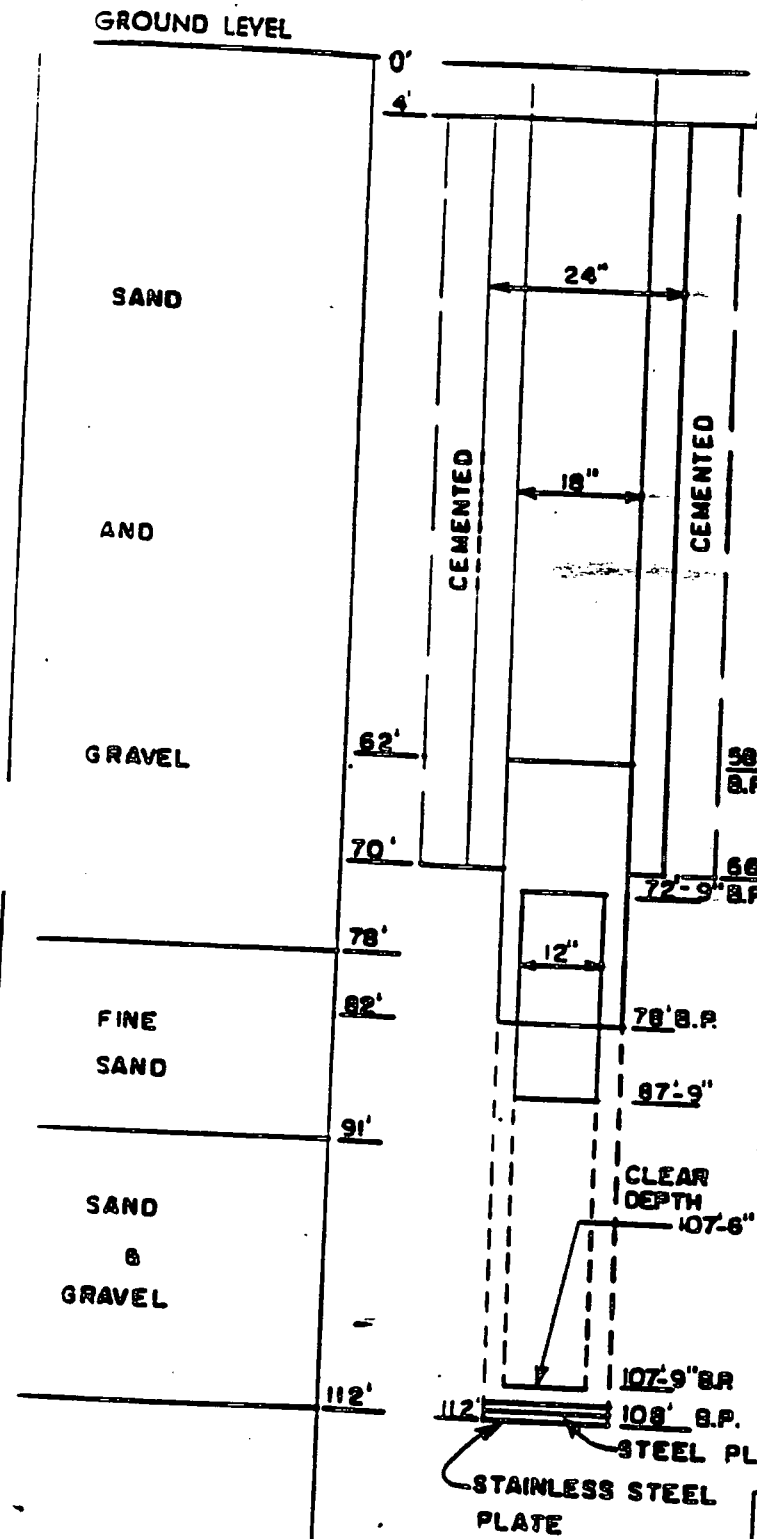
JAMAICA WATER SUPPLY CO.

WELL NO. 37
(02001)

ELEV B.R. 116.60

DATE 6·3·54

By L.A.N.



CASINGS MATERIAL
OUTER 70' OF 24" STEEL PIPE, WELDED
INNER 62' OF 18" STEEL PIPE, WELDED
15' OF 12" STEEL PIPE, WELDED
RISER 20' OF 18" STAINLESS STEEL PIPE, WELDED

SCREEN 30' OF 18" STAINLESS STEEL
20' OF 12" STAINLESS STEEL SHUTTER SCRE

SUMP 18" DIA. STEEL PLATE WELDED
12" DIA. SS. PLATE WELDED

GRAVEL NO DATA

PUMP NEW BOWLS - 11/88
900 GPM @ 160' TDH

TYPE THC
SETTING 94'-6-1/2" TO SF
SUCTION 6'-1" OF 8"
BASKET NONE
DISCHARGE 8" FLANGE
TUBING 2" & 3"
SHAFTING 1 1/2" AND 1 15/16"

SHOP NO. 27577A
SIZE 10"
STAGES 5.
IMPELLERS BRONZE
HEAD TP1025
PRESS B.P. 86
AIR LINE 12 3/8 @ 100'-7"

MOTOR NEW MOTOR 11/88

MAKE U.S.
VOLTS 208
PHASE 3
CYCLE 60
AMP. 127
MODEL WP1

TYPE RUE
R.P.M. 1775
FORM VERT
SERIAL 601071/R07R1190255R-
FRAME 326TP
H.P. 50

ACCEPTED 7-14-54

JAMAICA WATER SUPPLY CO.

WELL NO. 38
(Q-1997)

ELEV. 54.26 B.P.

DATE 7/28/91

By A. L.

Dwg. No.

WELL OVERHAULED 1961, 66, 73, 78, 1980

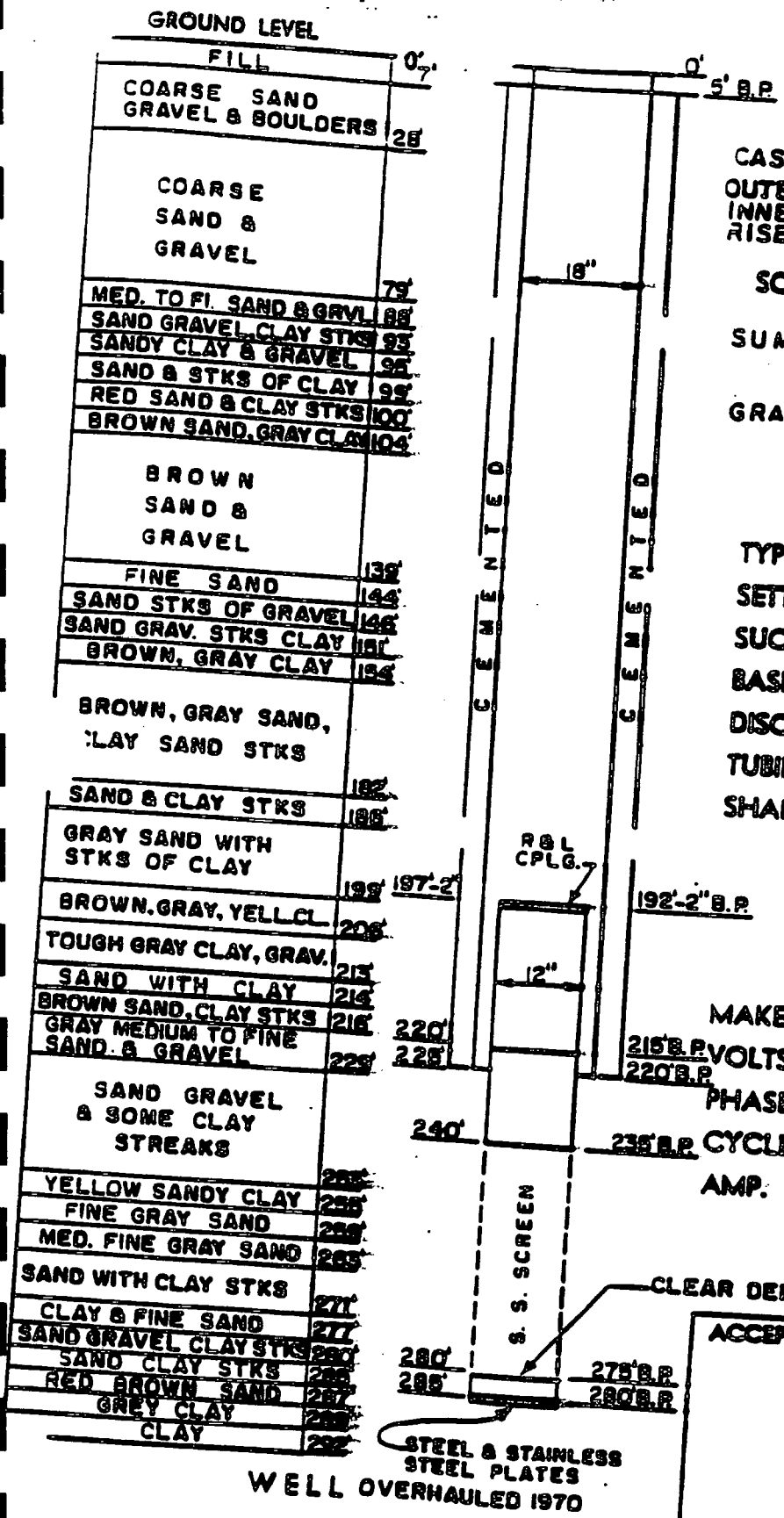
CAP.

STARTED 12-2-53

GUAR. 1400

PUMPED 1404

Form 152—1M—J.38



WELL OVERHAULED 1970

CAP. 1800 GUAR. 1800

STARTED 9-21-64 PUMPED 7-1-65 11/70

MATERIAL

CASINGS

OUTER 225' OF 18" STEEL PIPE WELDED
INNER 22'-10" OF 12" STEEL PIPE T & C
RISER 20' OF 12" 304SS PIPE WELDED

SCREEN 40' OF 12" STAINLESS STEEL #8 SLOT

SUMP 5' OF 12" S.S. W/STEEL & SS. PLATES WELDED ON BOTTOM

GRAVEL NO DATA

PUMP RESTAGED 1988
1600 GPM @ 180' TDH

TYPE THC (LAYNE)
SETTING 133'-9-1/2" BP.
SUCTION 9'-8-1/2" OF 10"
BASKET NONE
DISCHARGE 10" FLG'D
TUBING WL
SHAFTING 1 11/16"

SHOP NO. 811828
SIZE 12"
STAGES 3
IMPELLERS BRONZE
HEAD TF 1028
PRESS B.P.
AIR LINE 213A 149'-6"

MOTOR NEW MOTOR 1988

MAKE U S
VOLTS 208
PHASE 3
CYCLE 60
AMP. 256.5
DESIGN B

TYPE RUE
R.P.M. 1780
FORM CODE F
SERIAL 601070/ROTRIN502BR-1
FRAME 404 TPA-WPI
H.P. 100

ACCEPTED 3-10-65

JAMAICA WATER SUPPLY CO.

WELL NO. 38A
02432

ELEV. 54.23' B.P.

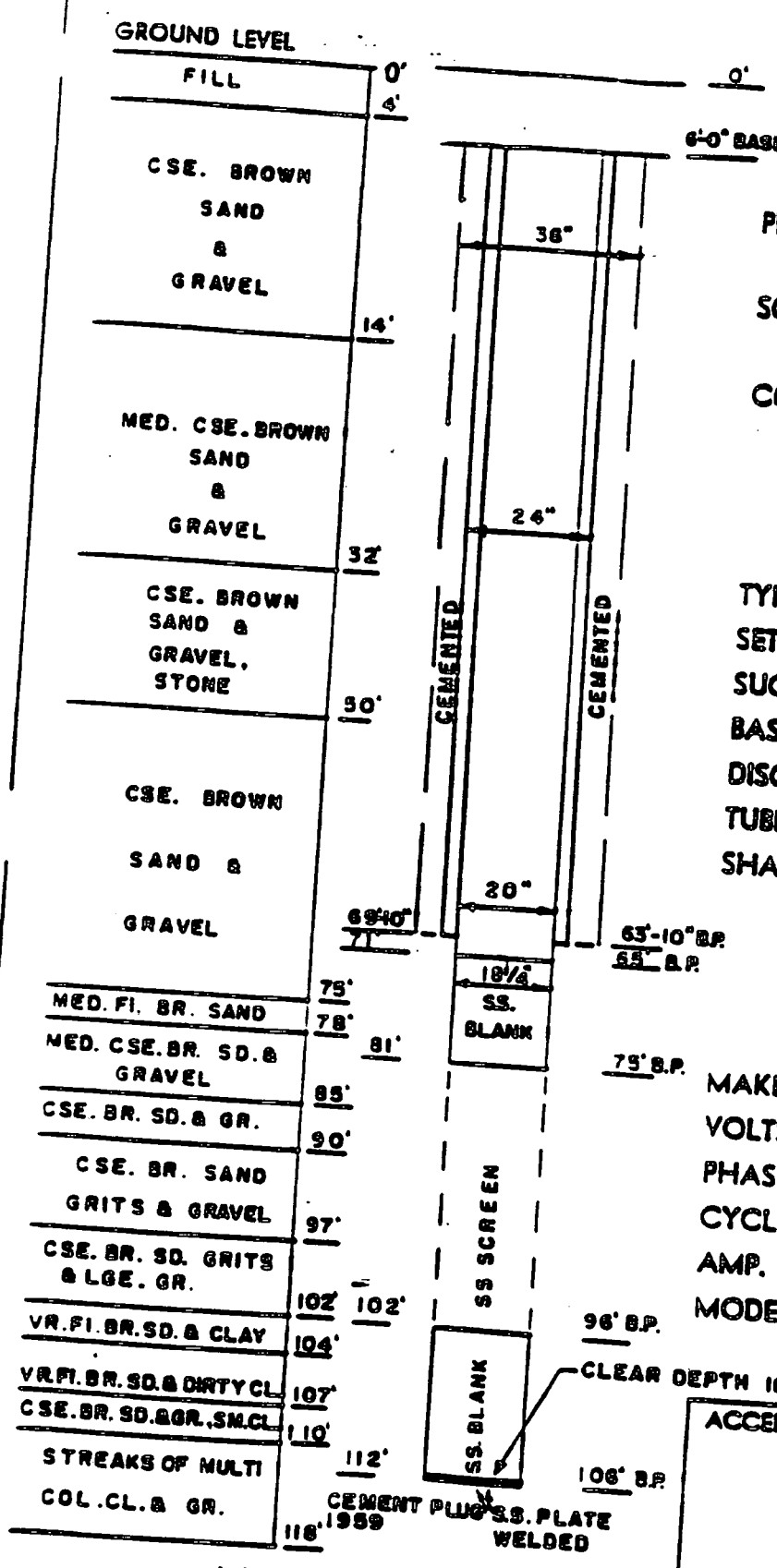
DATE 7/25/91

By A. I.

Dwg. No.

FORM 153—1M—5-39

NOTE: SEE BASE PLATE DIMS. & DIMS. FROM GRADE.



MATERIAL

PIT	63'-8" OF 24" STEEL, WELDED 66' OF 20" STEEL, WELDED 10'-0" OF 18 1/4" STAINLESS STEEL, WELDED
SCREEN	21' OF 18 1/4" O.D. S.S. SCREEN #100 SLOT
CONE	10' OF 18 1/4" O.D. S.S. PIPE SUMP STAINLESS STEEL PLATE, WELDED

PUMP LAYNE NEW PUMP 1972

TYPE	RKLC	SHOP NO.	4914 JG
SETTING	84'-8 1/2"	SIZE	12"
SUCTION	1'-0" OF 8"	STAGES	4
BASKET		IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TYPE A
TUBING	2 1/2"	PRESS B.P.	71
SHAFTING	1 11/16"	AIR LINE	~~9'-8"~~

NEW MOTOR APRIL 1955

MAKE	U.S.	TYPE	C.F.U.
VOLTS	208	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	1016076
AMP.	~~128~~ - 256	FRAME	504 P
MODEL	C.F.U.	H.P.	100

WELL OVERHAULED 1959, 1965, 72

CAP. 1490 GUAR. 1400

STARTED PUMPED 4-12-54

ACCEPTED

JAMAICA WATER SUPPLY CO.

WELL NO. 39
Q 2000

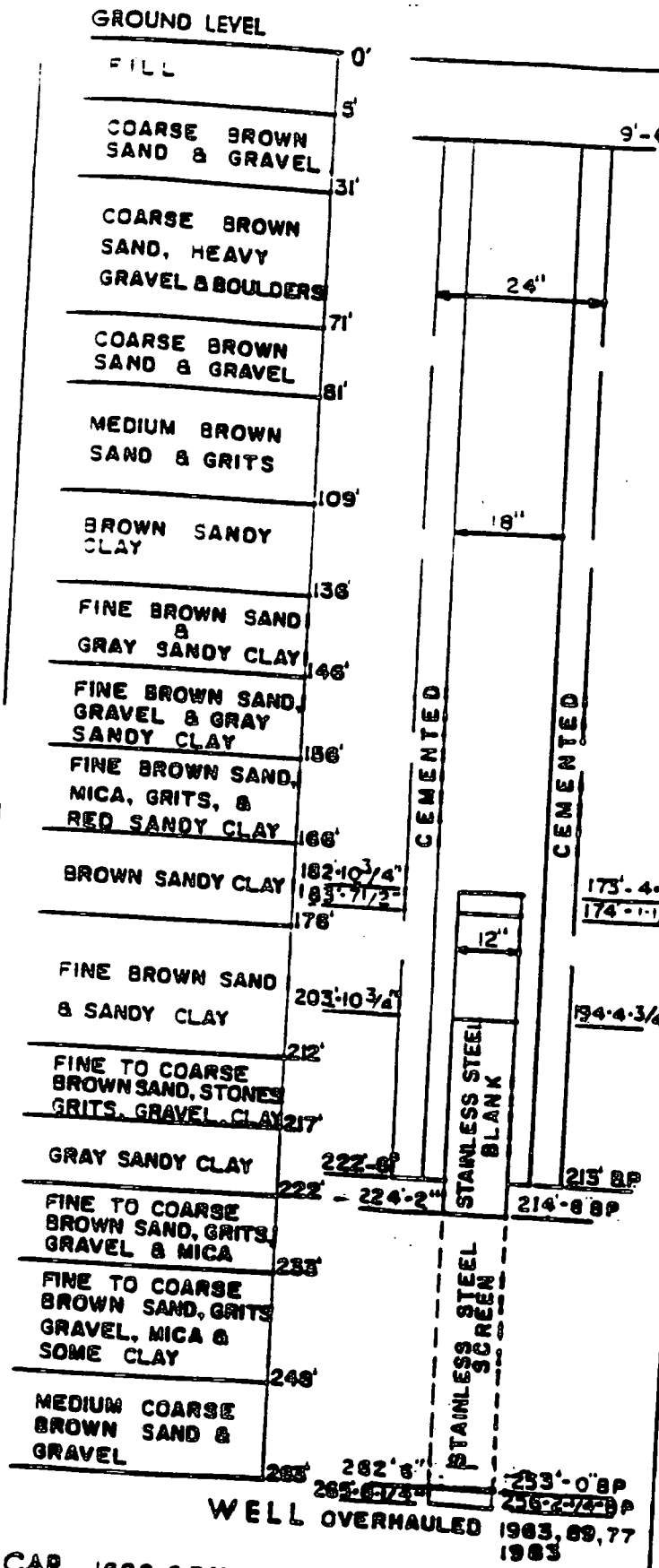
ELEV. B.P. 76.11

DATE 2-8-60

By T B M

Dwg. No.

152—1M—J. 59



MATERIAL
(NEW SCREEN 1989)

OUTER CASING	213' OF 18" STEEL PIPE WELDED
INNER CASING	21' OF 12" 304 SS PIPE
RISER	20'-3-1/4" OF 12" JOHNSON 316L SS TELESCOPE T.W.
SCREEN	38'-4" OF 12" W.W. JOHNSON 316L SS. #60 SLOT
SUMP	3'-2-1/4" OF 12" JOHNSON 316L SS. TELESCOPE T.W. W/ STEEL PLATE WELDED ON BOTTOM
GRAVEL	32" DIA. GRAVEL PACKING #2 & #3 MORIE MIX 62% RETAINED ON U.S. #12 SIEVE, UC ≤ 1.70

PUMP
LAYNE 1983
1600 GPM @ 280' TDH

TYPE	TLC	SHOP NO.	61014 A
SETTING	160'-6 1/4"	SIZE	14"
SUCTION	9'-2" OF 10"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"x10" FLG. CEM. LNG. PIPE	HEAD	TYPE AJOHNSON
TUBING	2 1/2"	PRESS B.P.	48#
SHAFTING	1-1/2"	AIR LINE	2-3/8" @ 169'-8"

MOTOR
1969

MAKE	U.S.	TYPE	RU
VOLTS	208	R.P.M.	1770
PHASE	3		DESIGN B
CYCLE	60	SERIAL	010014484NO
AMP.	381	FRAME	1448P
MODEL		H.P.	150

WELL OVERHAULED 1983, 89, 77
1983

CAP. 1600 G.P.M. GUAR. 1600 G.P.M

STARTED 11-28-66 PUMPED 1989

ACCEPTED 5-1-66

JAMAICA WATER SUPPLY CO.

WELL NO. 39A (REDRILL 1988)
02188

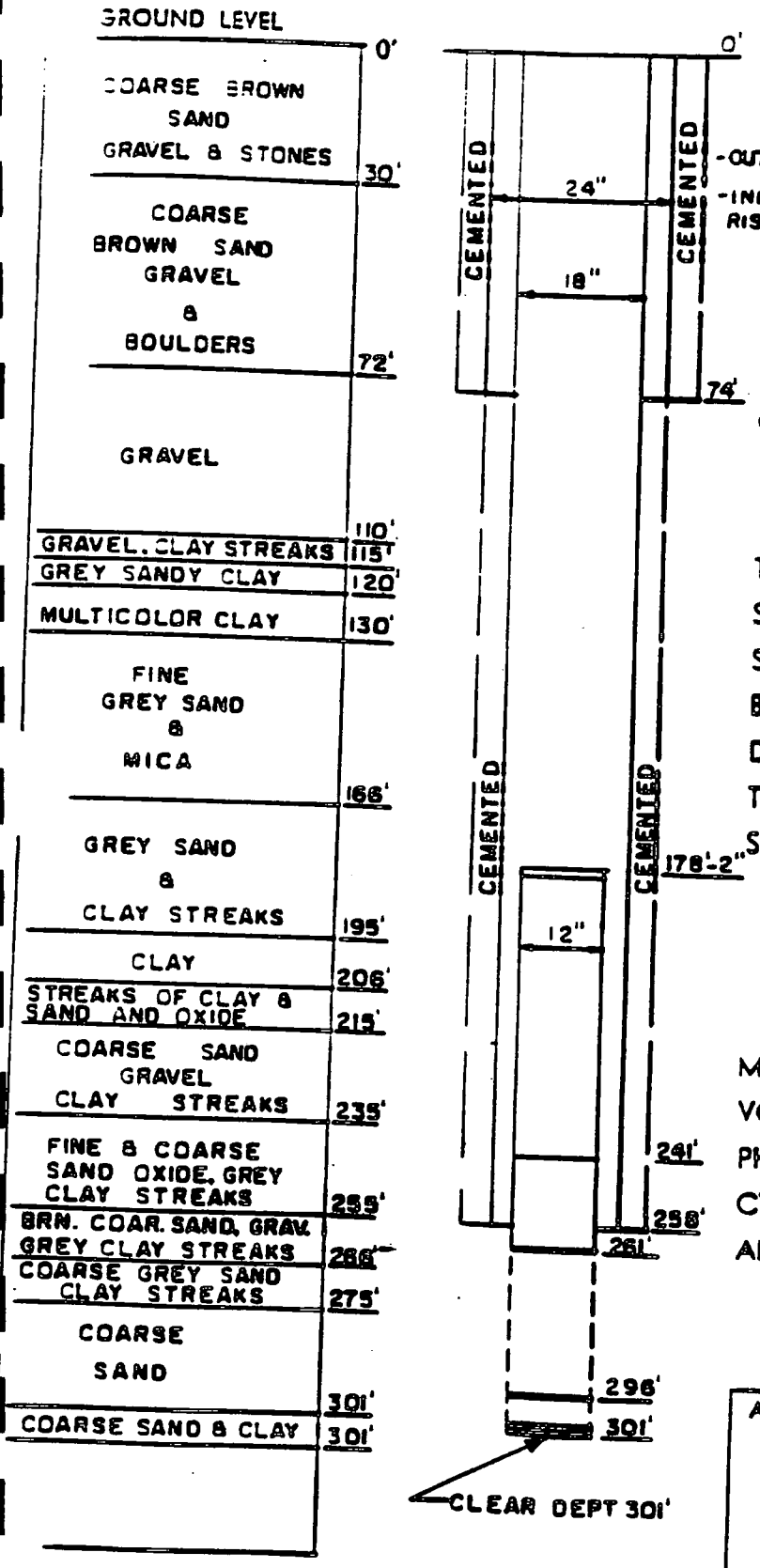
ELEV. 73.14' B.P.

DATE 10/4/91

By Adjustment

Dwg. No.

153-1M-1.79



MATERIAL

CASINGS

- OUTER { 74' OF 24" D. BLACK STEEL PIPE EXISTING & CEMENTED; 258' OF 18" D.X. 3/8" WALL BLACK STEEL PIPE WELDED
- INNER RISER 62-10" OF 12" D.X 3/8" WALL BLACK STEEL PIPE T&C; 20' OF 12" D.X 7 GA. 18-8 TYPE 304 STAINLESS STEEL BLANK

SCREEN 35' OF 12" D.X 7GA. 18-8 TYPE 304 STAINLESS STEEL NO. 8 SLOT

SUMP 7GA STAINLESS & 3/4" STEEL PLATES WELDED

GRAVEL NO DATA

PUMP NEW BOWLS. 1988
1400 GPM @ 168' TDH

TYPE. T.L.C. (LAYNE)	SHOP NO. 56454 A
SETTING 153'-10 1/2" TO SF	SIZE 12"
SUCTION 9'-8-1/2" OF 10"	STAGES 3
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10" FLG'D	HEAD TF-1028
TUBING WL	PRESS B.P.
SHAFTING 1 1/16"	AIR LINE 2-3/4" @ 163'-8" B.P. 2-3/4" @ 165'-8"

MOTOR NEW MOTOR 1968

MAKE U.S	TYPE HOLLOW SHAFT
VOLTS 230/460	R.P.M. 1775
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL G01069/R07R1190258R
AMP. 173.0/86.5	FRAME 365TP WPI
DESIGN B	H.P. 75

WELL OVERHAULED 1976

CAP. 1400 GUAR. 1400

STARTED 10-17-67 PUMPED 5-18-67

ACCEPTED 5-18-67

JAMAICA WATER SUPPLY CO.

WELL NO. 40
N4390

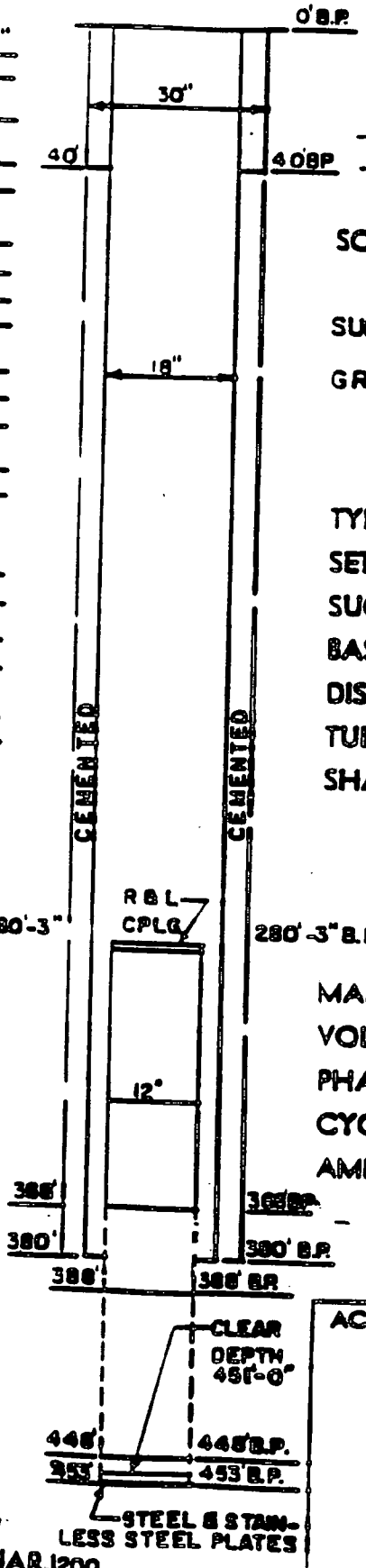
ELEV. 125.78' B.P. DATE 8/12/91

By A. I.

Dwg. No.

FORM 152-13M-3.39

GROUND LEVEL	
TOP SOIL	0'8"
CLAY	3'
SAND GRAVEL BOULDERS	20
BROWN SAND AND GRAVEL	40'
SAND GRVL. BOULDERS	50'
SAND GRAVEL	80'
SAND GRVL BOULDERS	84'
BROWN SAND & GRVL	89'
SAND GRVL & WHT CLAY	91'
BROWN SAND GRAVEL IRON OXIDE STONES	104'
FINE WHITE SAND	114
WHITE CLAY	121'
HARD WHITE & BROWN CLAY STKS OF SAND	133'
WHITE SANDY CLAY	136
FINE WHITE SAND MICA STREAKS CLAY	160'
BROWN CLAY	167'
WHITE CLAY	187'
CRS. BRN SAND & CLAY	193'
HARD BROWN CLAY STKS FINE BRN SAND	208
FINE WHITE SAND	212'
FINE & COARSE BRN SAND GRAVEL STKS WT & BRN CLAY	233'
FINE & COARSE WHITE SAND AND SMALL GRAVEL	250'
FINE & COURSE BROWN SAND AND STREAKS IRON OXIDE & CLAY	301'
WHITE SAND AND GRAVEL STREAKS WHITE CLAY	323'
HRD WHT. & GREY CLAY	328'
HARD BLACK CLAY STREAKS PYRITES	343'
SAND GRAVEL STREAKS CLAY	359'
HARD BLACK CLAY AND FINE SAND	373'
SAND GRAVEL STONES STREAKS OF CLAY	411'
HARD SANDY WHITE CLAY SAND & GRAVEL	428'
SAND GRAVEL AND STREAKS WHITE CLAY	448'
BROWN & BLUE CLAY	464'



MATERIAL

CASINGS

- OUTER { 40' OF 30" STEEL PIPE WELDED; 380' OF 18" STEEL PIPE WELDED
- INNER 87'-9" OF 12" STEEL PIPE T & C
- RISER 25' OF 12" STAINLESS STEEL BLANK

SCREEN { 60' OF 12" STAINLESS STEEL; (40' OF #5 SLOT & 20' OF # 8 SLOT)

SUMP 5' OF 12" SS PIPE WITH STEEL & STAINLESS STEEL PLATES WELDED ON BOTTOM

GRAVEL NO DATA

PUMP NEW PUMP 1988

1200 GPM @ 193' TDH

TYPE DRLC (LAYNE)	SHOP NO. 47904
SETTING 153'-6" SF	SIZE 15"
SUCTION 10'-1 1/2" OF 10"	STAGES 2
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10" FLG'D	HEAD TF 1029
TUBING WL	PRESS B.P.
SHAFTING 1-11/16"	AIR LINE 2-3/8 @ 163'-7" 2-3/4 @ 163'

MOTOR NEW MOTOR 1988

MAKE U.S.	TYPE RUE
VOLTS 230/460	R.P.M. 1775
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL 601069/R07RH903ITR-6
AMP. 173/86.5	FRAME 360TF WPN
DESIGN B	H.P. 75

ACCEPTED 4-28-64

JAMAICA WATER SUPPLY CO.

WELL NO. 40A
N7448

ELEV. 128.10 B.P.

DATE 8/12/91

By: A. I. [illegible]

Dwg. No.

WELL

OVERHAULED 1972, 1974, 1979

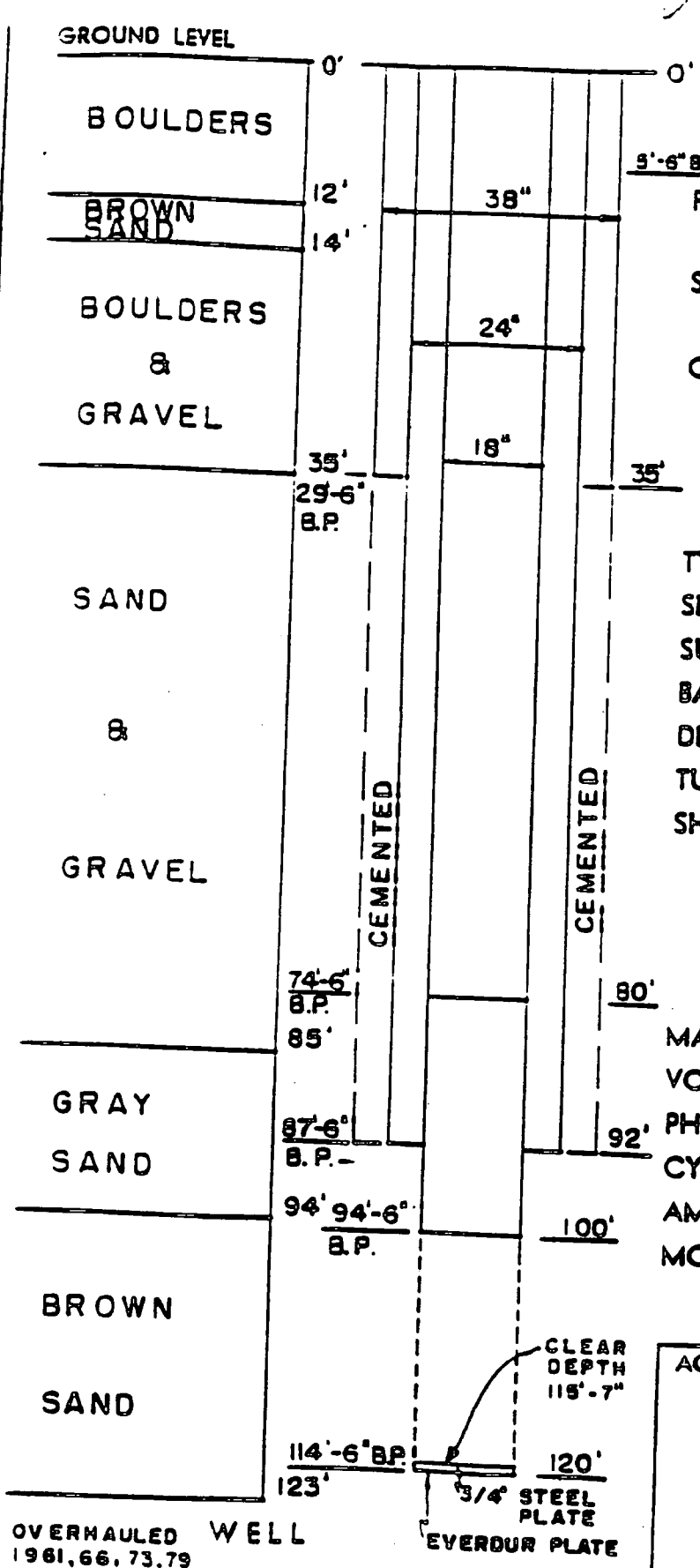
CAP. 1200 GUAR. 1200

STARTED 6-10-63 PUMPED 4-28-64

Form 452-4M-8-30

WELL #41 - 50A

41 -
42 -
42A -
43 - REV 7/91
43A - REV 4/92
44 - REV 1/92
44A - REV 1/92
44B - REV 1/92
44C - REV 1/92
45 -
46 -
47 - REV. 7/91
47A - REV 3/92
48 - REV. 7/91
48A - REV. 7/91
49 -
49A -
50 - REV 10/91
50A - REV 10/91



MATERIAL

35' OF 38" STEEL PIPE, WELDED
92'-" " 24" " " "
80'-/" 18" " " "
20' " 18" EVERDUR BLANK, WELDED

PIT

SCREEN 20' OF 18" EVERDUR

CONE STEEL & EVERDUR PLATES WELDED

PUMP NEW 1979

TYPE R.K.E.H.	SHOP NO. 27618
SETTING 110'-2" S.F.	SIZE 10"
SUCTION 3'-10" OF 6"	STAGES 6
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10"X10" FLG. CEMENT LINED	HEAD TF1025
TUBING 3" Ø 2¼"	PRESS B.P.
SHAFTING 1 15/16" Ø 1 3/16"	AIR LINE 114' B.P.

MOTOR

MAKE U.S.	TYPE HOLLOW SHAFT
VOLTS 208-416	R.P.M. 1800
PHASE 3	FORM VERT.
CYCLE 60	SERIAL 973681
AMP. 256-128	FRAME 504-S
MODEL CFU	H.P. 100

OVERHAULED 1961, 66, 73, 79

WELL

CAP.

GUAR. 1180

STARTED 2-15-54 PUMPED

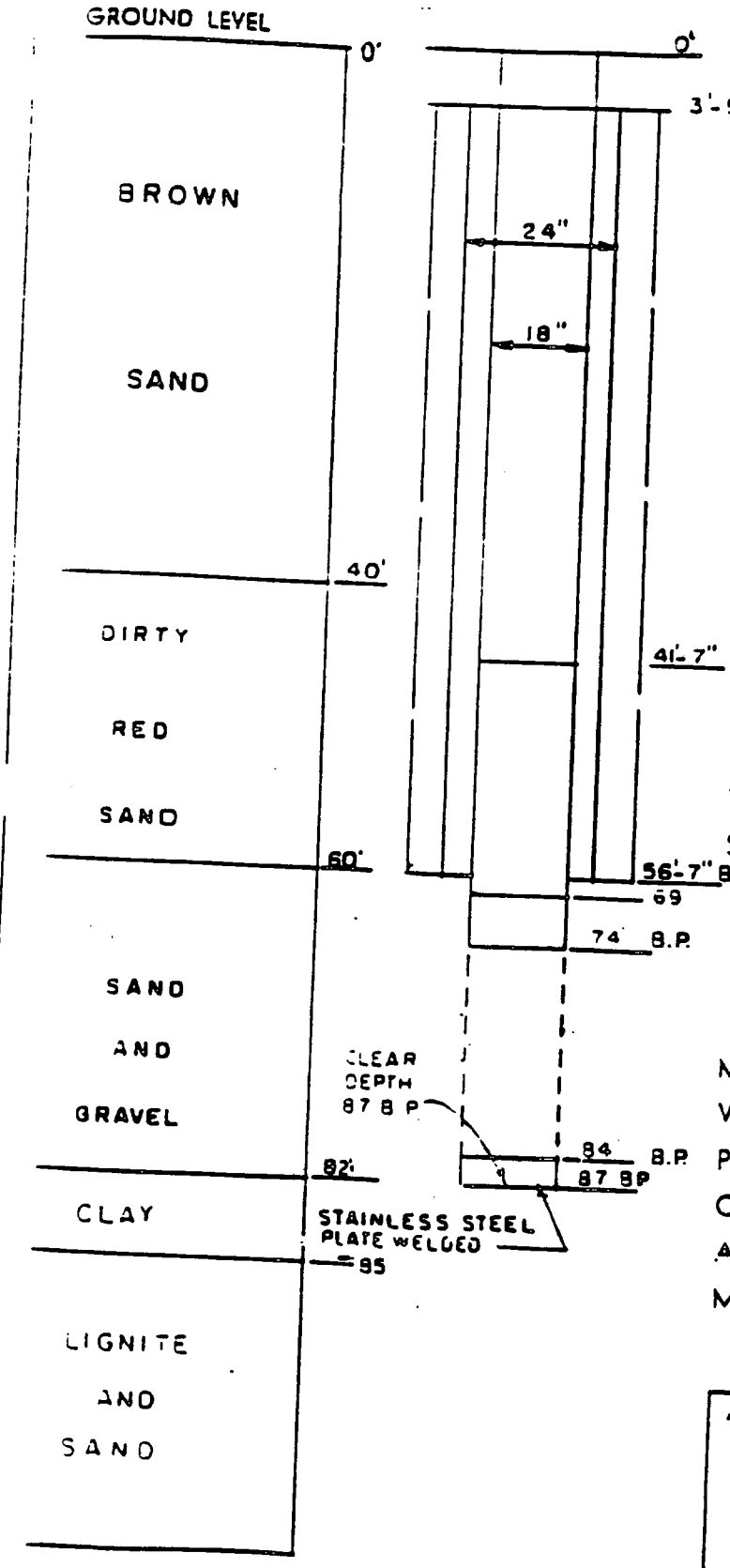
ACCEPTED

JAMAICA WATER SUPPLY CO.

WELL NO. 41
(Q-2006)

ELEV. B.R 63.73

DATE 6-3-54



MATERIAL

PIT 60' OF 24" STEEL PIPE WELDED
69 OF 18" x .375 BLACK STEEL PIPE WELDED
3 OF 18 x 304 S.S. BLANK

SCREEN 10 OF 18 304 SS SCREEN #35 SLOT

CONE 3' STAINLESS STEEL SUMP
WELDED STAINLESS STEEL PLATE

PUMP

NEW PUMP ~~1978~~ 1982

TYPE RKHC	SHOP NO. 27879 AT
SETTING 75'-7 3/4"	SIZE 10
SUCTION 10 OF 6	STAGES 6
BASKET NONE	IMPELLERS BR.
DISCHARGE 8" & 10"	HEAD TF 1025
TUBING 2 1/2"	PRESS B.P. 50
SHAFTING 1 1/2"	AIR LINE 2 AT 84' B.P.

MOTOR

MAKE U.S.	TYPE CFU
VOLTS 220-440	R.P.M. 1800
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL 1008411
AMP. 61/122	FRAME 405
MODEL VHS	H.P. 50

ACCEPTED 8-11-54
7-22-82

JAMAICA WATER SUPPLY CO.

WELL NO. 42 (REDRILLED)
02027

ELEV. B.P. 46.58'

DATE 8-17-76

By R.M.

Dwg. No.

WELL OVERHAULED 1957-63-70-~~76~~
RECONSTRUCTED 1982

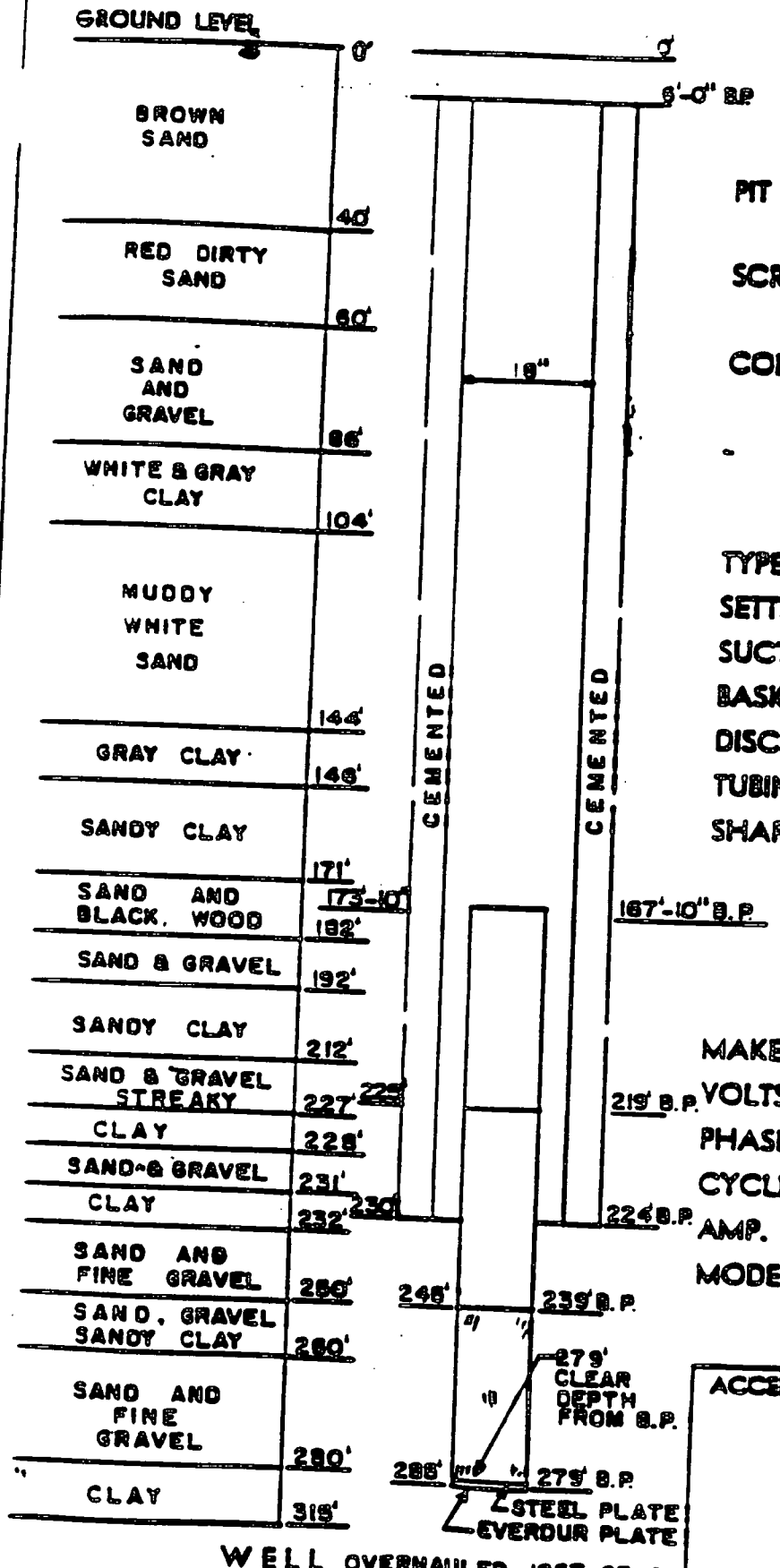
CAP.

GUAR. ~~400~~

STARTED 4-9-54
2-23-82

PUMPED 8-11-54
7-22-82

Form 132-1M-3-57



MATERIAL

PIT	238' OF 18" STEEL PIPE, WELDED 51'-2" OF 12" " " T.C. 20' OF 12" EVERDUR BLANK, WELDED
SCREEN	40' OF 12" EVERDUR
CONE	3/4" STEEL & EVERDUR PLATES, WEL

NEW PUMP 3/82

TYPE	DRHC	SHOP NO.	27882A
SETTING	154'-9"	SIZE	15"
SUCTION	8'-7" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BR.
DISCHARGE	10"X10" FLGD.	HEAD	TF1028
TUBING	3"	PRESS B.P.	58#
SHAFTING	1 11/16"	AIR LINE	163'

MOTOR

MAKE	U.S	TYPE	HOLLOW SHAFT
VOLTS	220/240	R.P.M.	1800
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	C1001449
AMP.	381	FRAME	1449P
MODEL	RU	H.P.	150

WELL OVERHAULED 1957-63-69
1978, 82

CAP. 1700 GUAR. 1700

STARTED 4-18-54 PUMPED 6/69

ACCEPTED 8-11-54

JAMAICA WATER SUPPLY CO.

WELL NO. 42-A
Q 2028

ELEV. B.P. 46.87' DATE 7-2-63

By M. B.

Dwg. No.

Form 113-1M-1.39

GROUND LEVEL

GROUND ELEV. 57.54

TOP SOIL	0' – 2'
BROWN SAND & BOULDERS	2' – 29'
YELLOW CLAY STREAKS	29' – 30'
COARSE BROWN SAND & BOULDERS	30' – 57'
COARSE BROWN SAND & GRAVEL	57' – 112'
MEDIUM BROWN & FINE SAND	112' – 123'

5'-6"/0'-0" BP

CASING
OUTER 89'-6" of 24" STEEL PIPE, WELDED
INNER 81'-6" of 18" 304 SS., WELDED

24"

18"

CEMENTED

CEMENTED

87'/81'-6" BP

95'/89'-6" BP

102'/96'-6" BP

122'/116'-6" BP

129'/123'-6" BP

SS PLATE

MATERIAL
(NEW SCREEN 1991)

RISER 15' OF 18" W W JOHNSON 316L SS TIGHTWRAP

SCREEN 20' OF 18" WW JOHNSON 316L SS #60 SLOT

SUMP 7' OF 18" WW JOHNSON 316 SS T.W. W/WELDED 316 SS PLATE

GRAVEL GRAVEL PACKING IN SCREEN ZONE (36"ø) & INBETWEEN CASINGS #2 & #3 MORIE GRAVEL 62% ± 5 RETAINED ON US #12 SEIVE UC≤1.7

PUMP
NEW BOWL 1991
950 GPM @ 290' TDH

TYPE	LAYNE RKBH	SHOP NO.	31095
SETTING	SF 114'-10" BP	SIZE	12
SUCTION	5' of 8"	STAGES	4
BASKET	–	IMPELLERS	BRONZE
DISCHARGE	10"X10" FLG.	HEAD	TF 1025
TUBING	3"	PRESS B.P.	
SHAFTING	1 15/16" (6 TPI)	AIR LINE	114'-2" BP (2) - 3/8" 10.-119'-8 P (1) - 5/8" 10.-110' BP

JUMP COUPLING
1-11/16" 8 TPI
1-15/16" 6 TPI

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208/220	R.P.M.	1800
PHASE	3		CODE F
CYCLE	50	SERIAL	818558
AMP.	249/242	FRAME	504-5
MODEL	CF-U	H.P.	100

WELL OVERHAULED, 1961, 66, 78

CAP. 1471 GUAR. 1400

STARTED 1-10-55 PUMPED 4-8-55

ACCEPTED 4-8-55

JAMAICA WATER SUPPLY CO.

WELL NO. 43
02138

ELEV. 52.04'8 P. DATE 7/25/91

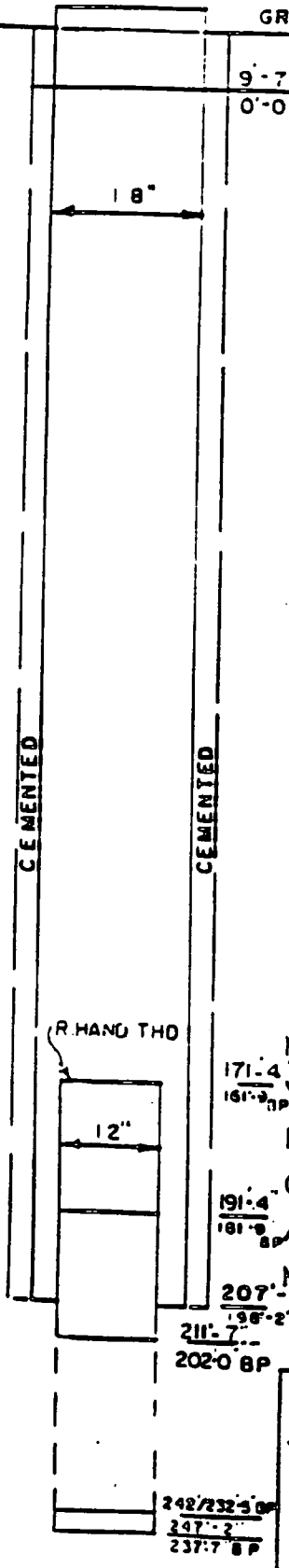
By A.I.

Dwg. No.

Form 152—1M—3-39

GROUND LEVEL

0'	COARSE SAND GRAVEL & BOULDERS
36'	MEDIUM SAND
42'	COARSE SAND GRAVEL & BLDRS.
56'	SAND & GRAVEL
78'	MEDIUM AND FINE SAND HARD PACKED
106'	COARSE SAND & GRAVEL
115'	YELLOW COARSE SAND & GRAVEL
130'-6"	BLUE CLAY
146'	HARD CLAY
187'	CLAY STKS, CRS SND, GRVL
189'-6"	HARD CLAY
201'	SAND GRAVEL CLAY
205'-6"	SAND CLAY
207'-6"	FINE SAND
209'	CLAY
211'	WHITE SAND
217'	COARSE YELLOW SAND GRAVEL & BOULDERS
225'	YELLOW CLAY
227'	FINE WHITE SAND
242'	CLAY STKS & SAND
252'	



MATERIAL (NEW SCREEN 1991)

OUTER CASING: 198'-2" OF 18 STEEL PIPE, WELDED
INNER CASING: 20' OF 12 (0.188 WALL) 304 SS. PIPE
RISER: 20'-3" OF 12" W W JOHNSON 316L S.S. T.W.
SCREEN: 30'-5" OF 12" W W JOHNSON 316L S.S. TELESCOPE, #60SL
SUMP: 3'-2" OF 12" W.W. JOHNSON 316L SS.TW WITH STEEL B. S. PLATES WELDED ON BOTTOM
GRAVEL: 36 DIA. GRAVEL PACKING #2 & #3 MORIE MIX, 65% RETAINED ON US# 12 SIEVE, UC ≤ 1.70

PUMP NEW BOWLS 1992

(1000 GPM @ 342' TDH.)

TYPE	R KBH (LAYNE)	SHOP NO.	114400
SETTING	165'-2" SF	SIZE	12"
SUCTION	9'-8" OF 8"	STAGES	5
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	8" X 10' FLGD. CEMENT LINED	HEAD	TF 1025
TUBING	W.L.	PRESS B.P.	92#
SHAFTING	1-11/16 SS.W/SLV	AIR LINE	2-3/8" @ 174'-10" 1-3/8" @ TOP OF BOWLS

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208	R.P.M.	1775
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	9301779-595R 1008448
AMP.	328	FRAME	444 TPEWPI
MODEL	R U	H.P.	125

WELL OVERHAULED 1965, 72, 82, 91

CAP.	1200	AUTH	1300
		GUAR.	1200
STARTED	2-8-60	PUMPED	7-6-60

ACCEPTED 7-6-60

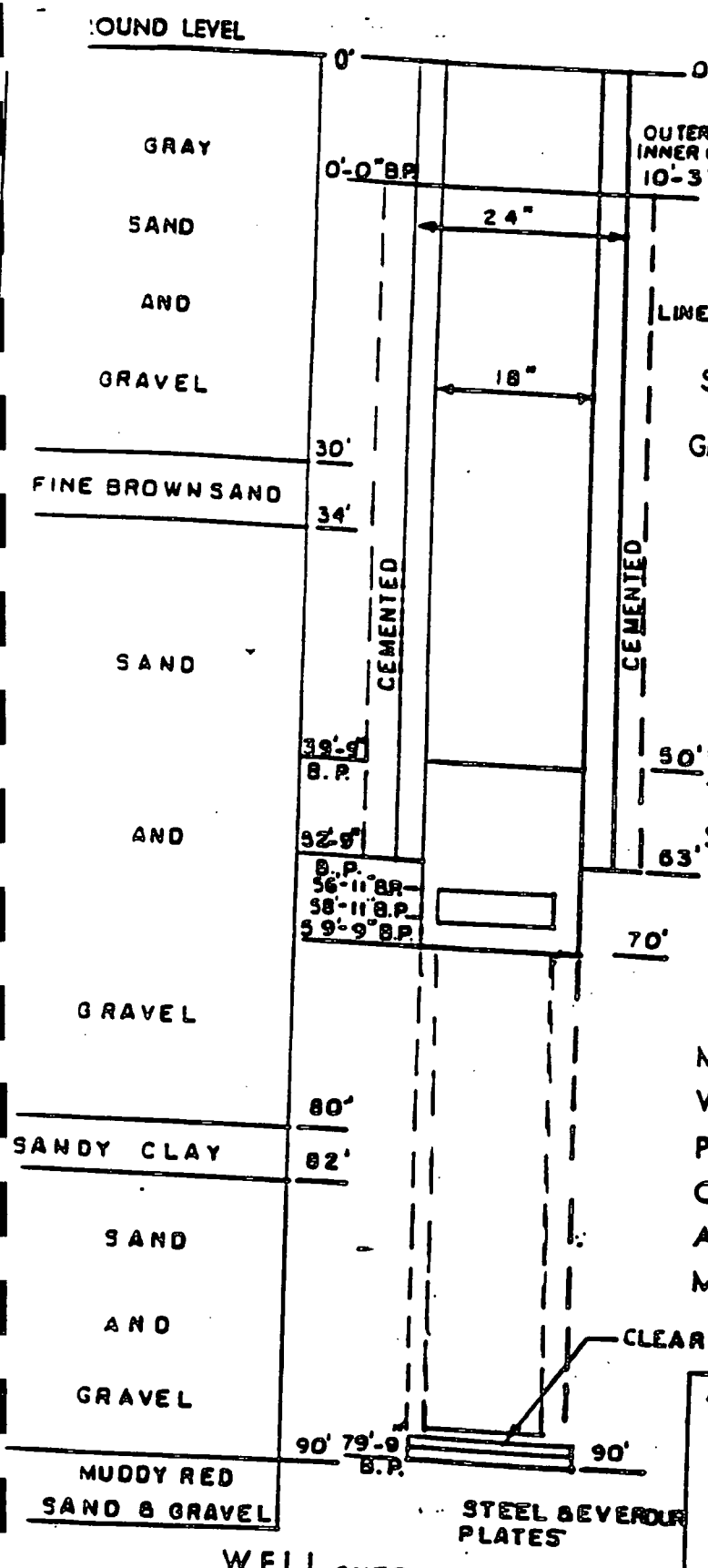
JAMAICA WATER SUPPLY CO.

WELL NO. 43A
(Q 23321)

ELEV. 48.83' (BASE PL.) DATE 4/21/92.

By A. I

Dwg. No.



MATERIAL

OUTER CASING 63' OF 24" STEEL PIPE, WELDED
INNER CASING 10'-3" 50' OF 18" STEEL PIPE, WELDED
RISER 20' OF 18" EVERDUR, WELDED

SCREEN 20' OF 18" EVERDUR
LINER SCREEN { 20' OF 12" COOK S.S SCREEN NO. 60 SLOT
2' OF 12" S.S. BLANK (INSTALLED 1979)

SUMP 18" STEEL & EVERDUR PLATES WELDED ON BOTTOM

GRAVEL #2 & #4 GRAVEL MIX

PUMP (NEW PUMP 1991)
(700 GPM @ 142' TDH)

TYPE	RKBL (LAYNE)	SHOP NO.	113964
SETTING	53'-7" TO SF	SIZE	12
SUCTION	18'-4" OF 8" PIPE	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	8" x 10" T.C.	HEAD	TF 1018
TUBING	W.L	PRESS B.P.	35#
SHAFTING	1-3/16" SS	AIR LINE	(1) 3/4" @ 72'-11" (2) 3/8" @ 72'-11"

MOTOR

MAKE	US	TYPE	CFU
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	2412986
AMP.	98/49	FRAME	404
MODEL	CODE F	H.P.	40

WELL OVERHAULED 1965, 76, 79

CAP. 1200 GUAR. 1200

STARTED 2-17-55 PUMPED 3-2-55

ACCEPTED 7-21-55

JAMAICA WATER SUPPLY CO.

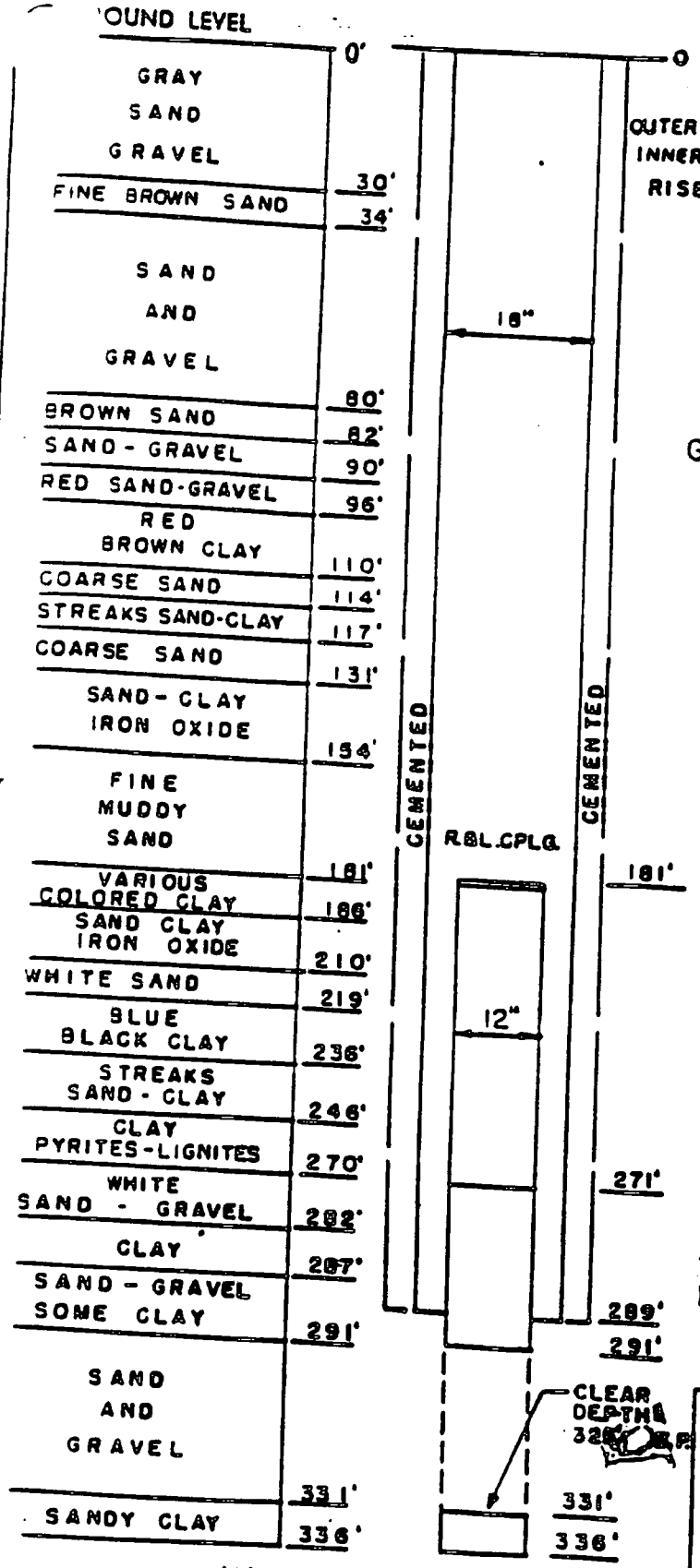
WELL NO. 44
N5155

ELEV. 6474 BP DATE 5-19-92

By A. I.

Dwg. No.

152—1M—3-39



MATERIAL

OUTER CASING	289' OF 18"	STEEL PIPE, WELDED
INNER CASING	90' OF 12"	STEEL PIPE, T. & G.
RISER	20' OF 12"	EVERDUR, WELDED

SCREEN 40' OF 12" EVERDUR, WELDED.

SUMP 5' OF 12" EVERDUR BLANK, WITH STEEL & EVERDUR PLATES, WELDED TO BOTTOM

GRAVEL 4 W GRAVEL

PUMP (NEW PUMP 1991) (1600 GPM @ 162' TDH)

TYPE	THC.(LAYNE)	SHOP NO.	113963
SETTING	112'-9" TO SF	SIZE	12
SUCTION	9'-8" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10' T.C.	HEAD	T. F. 1018
TUBING	NONE	PRESS B.P.	40#
SHAFTING	1½" SS	AIR LINE	(1) 3/4" @ 122'-5" (2) 3/8" @ 122'-5"

MOTOR (NEW 1991)

MAKE	US	TYPE	RUE
VOLTS	460	R.P.M.	1780
PHASE	3	FORM	B
CYCLE	60	SERIAL	B410/U08U205ROU3F
AMP.	115	FRAME	404 TPW P1
MODEL	F	H.P.	100

WELL OVERHAULED 1965, 70, 80

CAP. 1600 (70) GUAR. 1600

STARTED 1-31-55 PUMPED 2-15-55

ACCEPTED

JAMAICA WATER SUPPLY CO.

WELL NO. 44 A

N5158

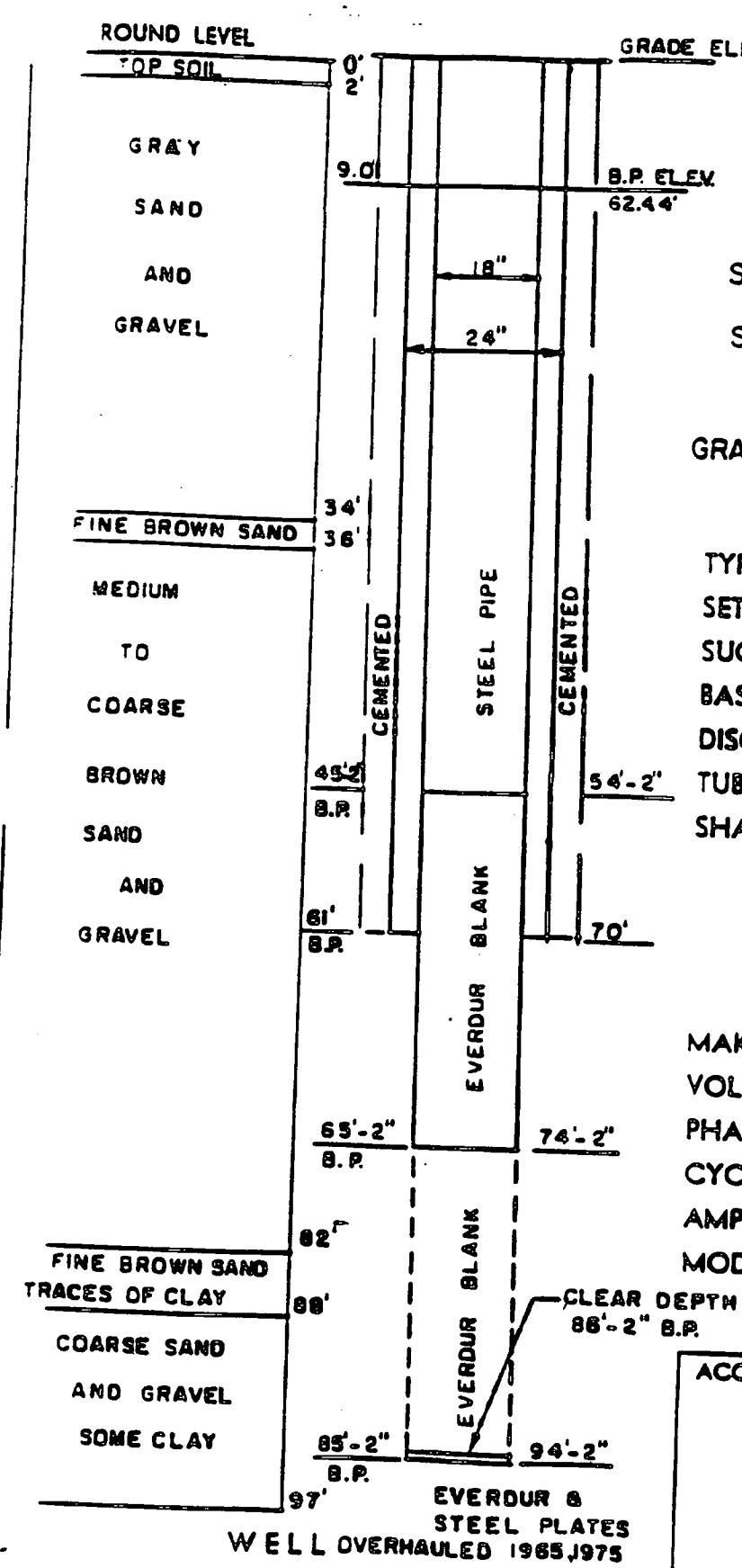
ELEV. B.P. 64.74

DATE 5-19-92

By A. J.

Dwg. No.

Form 152—1M—J.39



WELL OVERHAULED 1965,1975

CAP. 1000 GUAR. 1000

STARTED 9-29-59 PUMPED 6-10-60

MATERIAL

OUTER CASING	70' OF 24" STEEL PIPE WELDED
INNER CASING	54-2" OF 18" STEEL PIPE WELDED
RISER	20' OF 18" EVERDUR
SCREEN	20' OF 18" EVERDUR
SUMP	EVERDUR & STEEL PLATES WELDED ON BOTTOM

[redacted]

GRAVEL 3W & 4W GRAVEL MIX

PUMP (NEW 1992)

(700GPM @ 153' TDH)

TYPE	3 H C (LAYNE)	SHOP NO.	113962
SETTING	83'-8" TO SF	SIZE	11
SUCTION	7" OF 8"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"x 10" TC.	HEAD	TF 1018
TUBING	W.L.	PRESS B.P.	+/-
SHAFTING	1-3/16" S.S.	AIR LINE	(1) 3/4" @ 84'-3" (2) 3/8" @ 84'-3"

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	2939701
AMP.	98/49	FRAME	364 UP
MODEL	HU	H.P.	40

ACCEPTED 5-31-60

JAMAICA WATER SUPPLY CO.

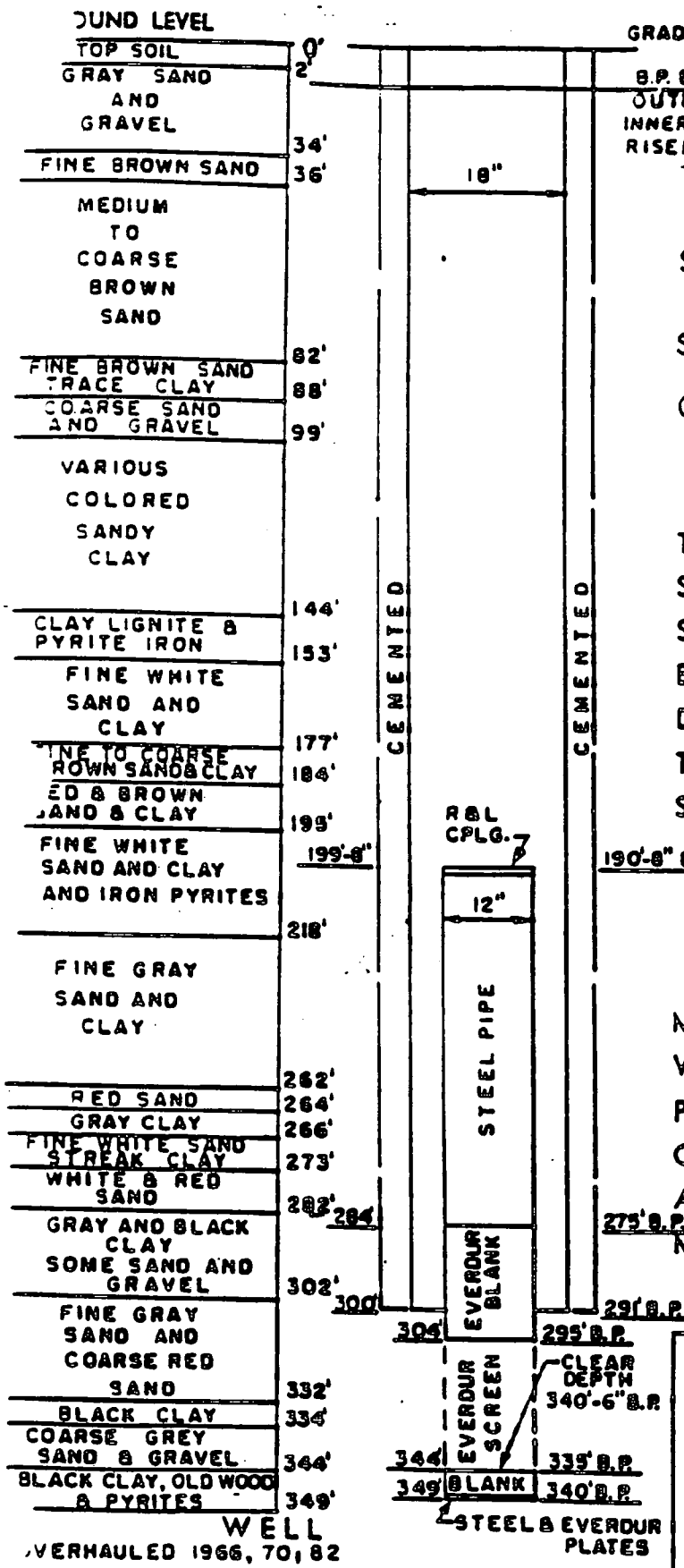
WELL NO. 448
N6744

ELEV 62.44' (BASE PL) DATE 5-19-92

By R.M./

Dwg. No.

Form 152—131—3-39



MATERIAL

OUTER CASING	300' OF 18" STEEL PIPE WELDED
INNER CASING	84'-4" OF 12" STEEL PIPE T & C
RISER	20' OF 12" EVERDUR BLANK
SCREEN	40' OF 12" EVERDUR
SUMP	5' OF 12" EVERDUR BLANK WITH STEEL & EVERDUR PLATES WELDED ON BOTTOM
GRAVEL	#3W & #4W GRAVEL MIX

PUMP (NEW BOWLS 1991) (1600 GPM @ 153' TDH)

TYPE	CM (LAYNE)	SHOP NO.	113958
SETTING	114'-2" SF	SIZE	13
SUCTION	9'-8" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10' OF 10" FLGD CEMENT LINED	HEAD	TF 1025
TUBING	W.L.	PRESS B.P.	38#
SHAFTING	1 1/2"	AIR LINE	(1) 3/4 @ 123'-10 (2) 3/8 @ 123'-10

MOTOR 1970

MAKE	U.S.	TYPE	RUE
VOLTS	460	R.P.M.	1780
PHASE	3	FORM	F
CYCLE	60	SERIAL	B410/U08U205R002F
AMP.	115	FRAME	404 TPWPI
MODEL	8	H.P.	100

WELL OVERHAULED 1966, 70, 82

CAP. 1600 GUAR. 1600

STARTED 8-1-59 PUMPED 6-10-60

ACCEPTED 5-31-60

JAMAICA WATER SUPPLY CO.

WELL NO. 44C

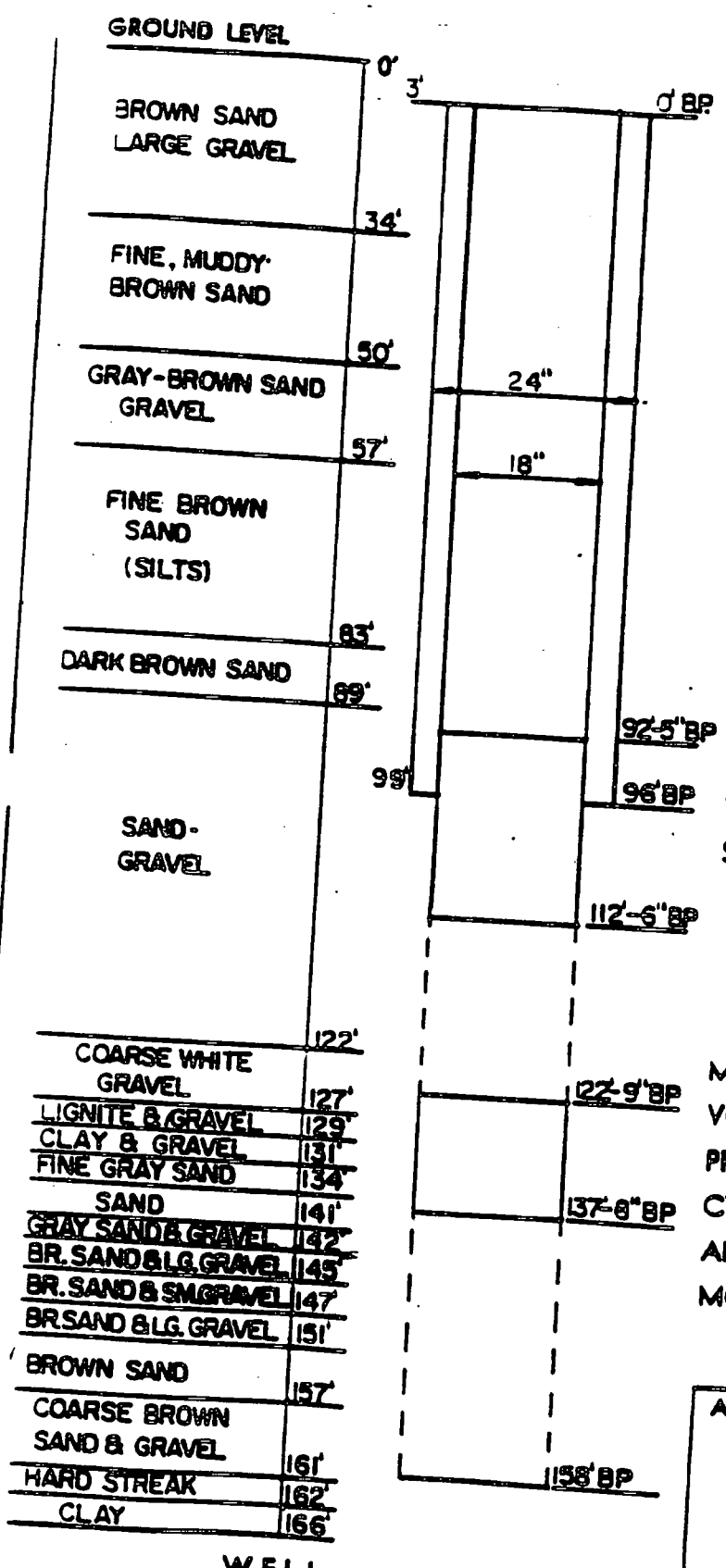
N 6745

ELEV. 62.41' (BASE PL.) DATE 5-19-92

By MB

Dwg. No.

Form 152—1M—3.39



MATERIAL

PIT: 96' OF 24" STEEL PIPE, WELDED
92'-5" OF 18" STEEL PIPE, WELDED
35' OF 18" STAINLESS STEEL BLANK

SCREEN: 30' OF 18" I.D. JOHNSON S.S. WIRE WRAP SCREEN, #70 SLOT
18" STEEL PLATE WELDED TO SCREEN

CONE: NONE

No updated info available in file 2/90

PUMP 1979

TYPE DRLC
SETTING 128'-6"
SUCTION 3'-11" OF 10"
BASKET NONE
DISCHARGE 10"
TUBING 3"
SHAFTING 1 15/16"

SHOP NO. 33830B
SIZE 15"
STAGES 2
IMPELLERS 8R
HEAD TF 1025
PRESS B.P.
AIR LINE 2@ 132'-6"

MOTOR

MAKE U.S.
VOLTS 208/416
PHASE 3
CYCLE 60
AMP. 256/128
MODEL CFU

TYPE HOLLOW SHAFT
R.P.M. 1800
FORM VERTICAL
SERIAL 1172922
FRAME 504P
H.P. 100

WELL

REDRILL 1979

CAP. 1050 GUAR. 1050

STARTED PUMPED

ACCEPTED 5/79

JAMAICA WATER SUPPLY CO.

WELL NO. 45

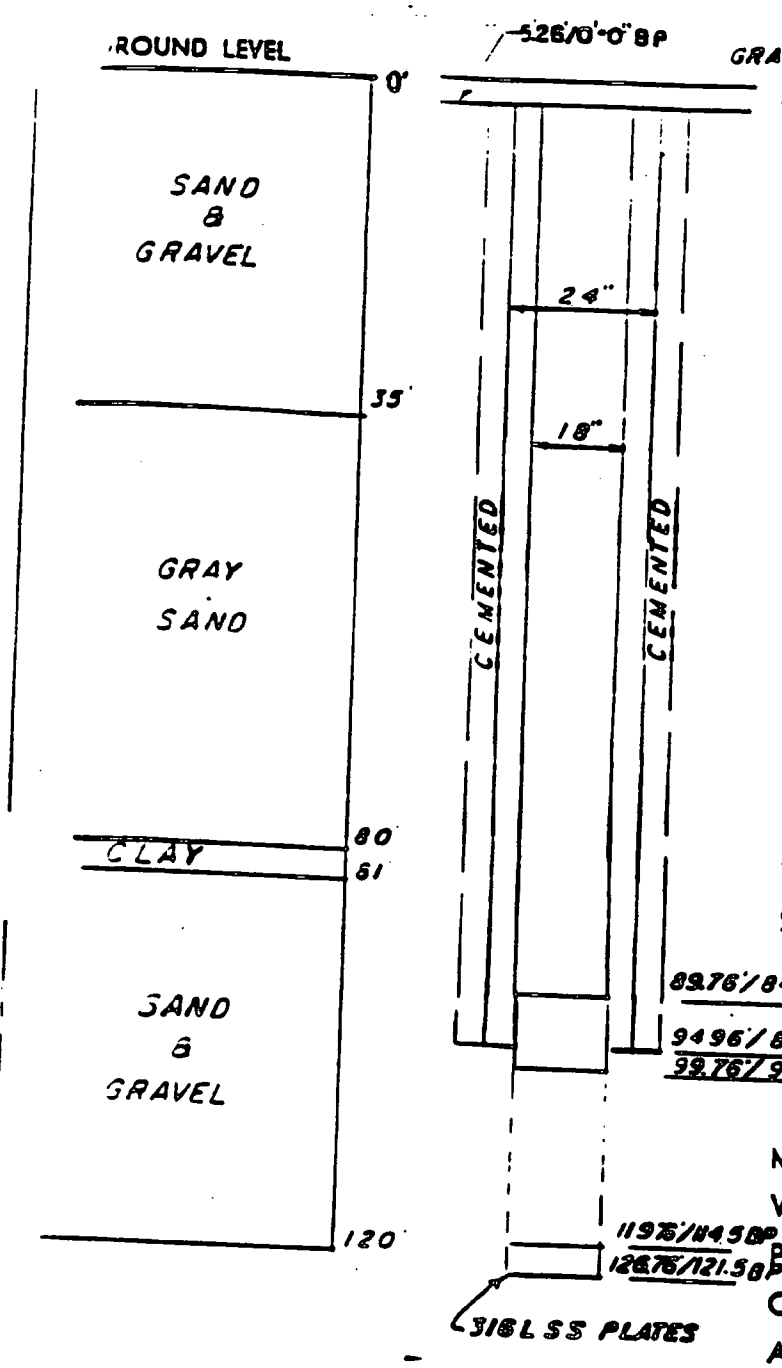
ELEV. BP 4020'

DATE 5/79

By

Dwg. No.

Form 152—1M—3.79



MATERIAL
(NEW SCREEN 1991)

CASING	
OUTER	39'-7" OF 24" STEEL PIPE WELDED
INNER	84-6" OF 18" 304 SS PIPE
RISER	10' OF 18" W W JOHNSON 316L S S. TIGHTWRAP
SCREEN	20'± OF 18" W W. JOHNSON 316L SS. #80 SLOT
SUMP	7' OF 18" WW JOHNSON 316L SS TW W/ WELDED 316 S S PLATE
GRAVEL PACKING	3/8" ⌀ GRAVEL PACK AROUND SCREEN ZONE & BETWEEN CASINGS UP TO 6' BP #2 B #3 MORIE GRAVEL 75± 5% RETAINED ON US #10 SIEVE UC ≤ 1.7

PUMP
NEW BOWLS 1991
1400 GPM @ 149' TDH

TYPE	TLC	SHOP NO.	397744
SETTING	109' SF	SIZE	12"
SUCTION	9'-6" of 10 FLG	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLGD. CEMENT LINED	HEAD	TF 1085
TUBING	3"	PRESS B.P.	
SHAFTING	1 15/16"	AIR LINE	(2) 3/8" ID - 118' (1) 3/8" ID. - 105'

MOTOR

MAKE	U.S.	TYPE	R U
VOLTS	208	R.P.M.	1770
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	6P1062048
AMP.	210	FRAME	365 TP
		H.P.	75

ACCEPTED 6-18-59

JAMAICA WATER SUPPLY CO.

WELL NO. 48
(02299)

ELEV. 55.74' (BASE PL.) DATE 7/25/91

By A. I. /

Dwg. No.

WELL

CAP. 1400 GUAR. 1400 G.P.M.

STARTED 11-4-58 PUMPED 6-18-59

GROUND LEVEL 0'

SAND 15'

SAND & GRAVEL 30'

SAND & STREAKS OF GRAVEL 66'

SAND & GRAVEL, STREAKS OF CLAY 87'

BROWN SAND & GRAVEL 125'

YELLOW CLAY 127'

YELLOW, GREY, & BLUE CLAY 135'

HARD, SANDY, WHITE CLAY 141'

HARD WHITE SAND 143'

YELLOW CLAY STREAKS OF YELLOW MUDDY SAND 162'

YELLOW SANDY CLAY 174'

HARD YELLOW CLAY 176'

HARD SND. GRL. CLAY STK 181'

FINE YELLOW SAND & CLAY STREAKS 190'

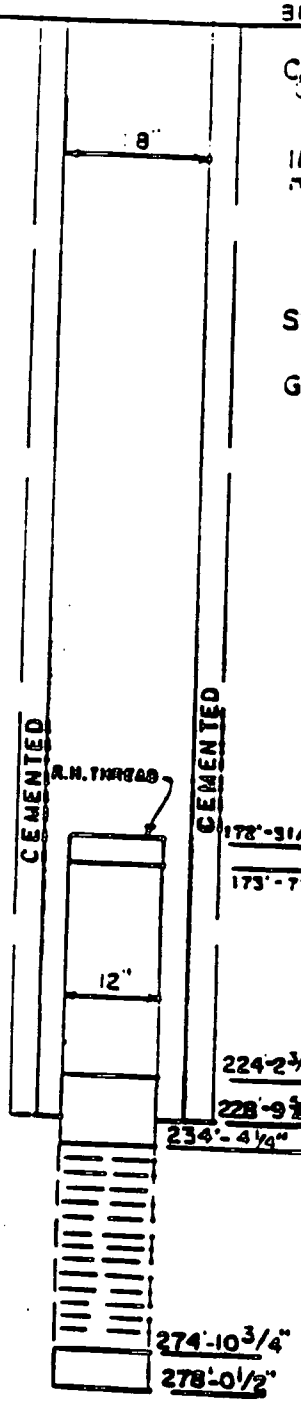
WHITE & GREY CLAY 194'

HARD RED CLAY 202'

SAND & STREAKS OF CLAY 236'

SAND & GRAVEL 283'

CLAY



MATERIAL
(NEW SCREEN 1990)

CASINGS
OUTER 228.8' OF 18" STEEL PIPE WELDED

INNER RISER 50'-7 1/2" OF 12" TIGHT WRAP 304 S.S
10'-1 1/2" OF 12" 316L S.S. TIGHT WRAP

SCREEN 40'-6 1/4" OF 12" DIA., WIRE WOUND JOHNSON 316L S.S #65 SLOT (TELESCOPE SIZE)

SUMP 3'-1 3/4" OF 12" NOM. 316L S.S. TIGHT WRAP STEEL & S.S. PLATES WELDED

GRAVEL 32" DIA. GRAVEL PACKING. #2 & #3 MORIE MIX 69% RETAINED ON #12 SIEVE; UCS 1.7

PUMP
NEW PUMP 1985
1500 GPM @ 155' TDH.

TYPE	CL (LAYNE)	SHOP NO.	39773-A
SETTING	124'-9" SF	SIZE	13"
SUCTION	9'-4" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLGD. CEMENT LINED	HEAD	TF 1023
TUBING	3"	PRESS B.P.	30 #
SHAFTING	1 15/16"	AIR LINE	135 #/10" B.P.

MOTOR
NEW MOTOR 1985

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208	R.P.M.	1760
PHASE	3	FORM	
CYCLE	60	SERIAL	9503188139179/R322-855H0630089
AMP.	199.3	FRAME	365 TP
MODEL	1	H.P.	75

WELL
OVERHAULED 1966, 71, 82, 85, 90

CAP. 1600 GUAR. 1600

STARTED 10-14-58 PUMPED 6-15-71

ACCEPTED 6-18-59

JAMAICA WATER SUPPLY CO.

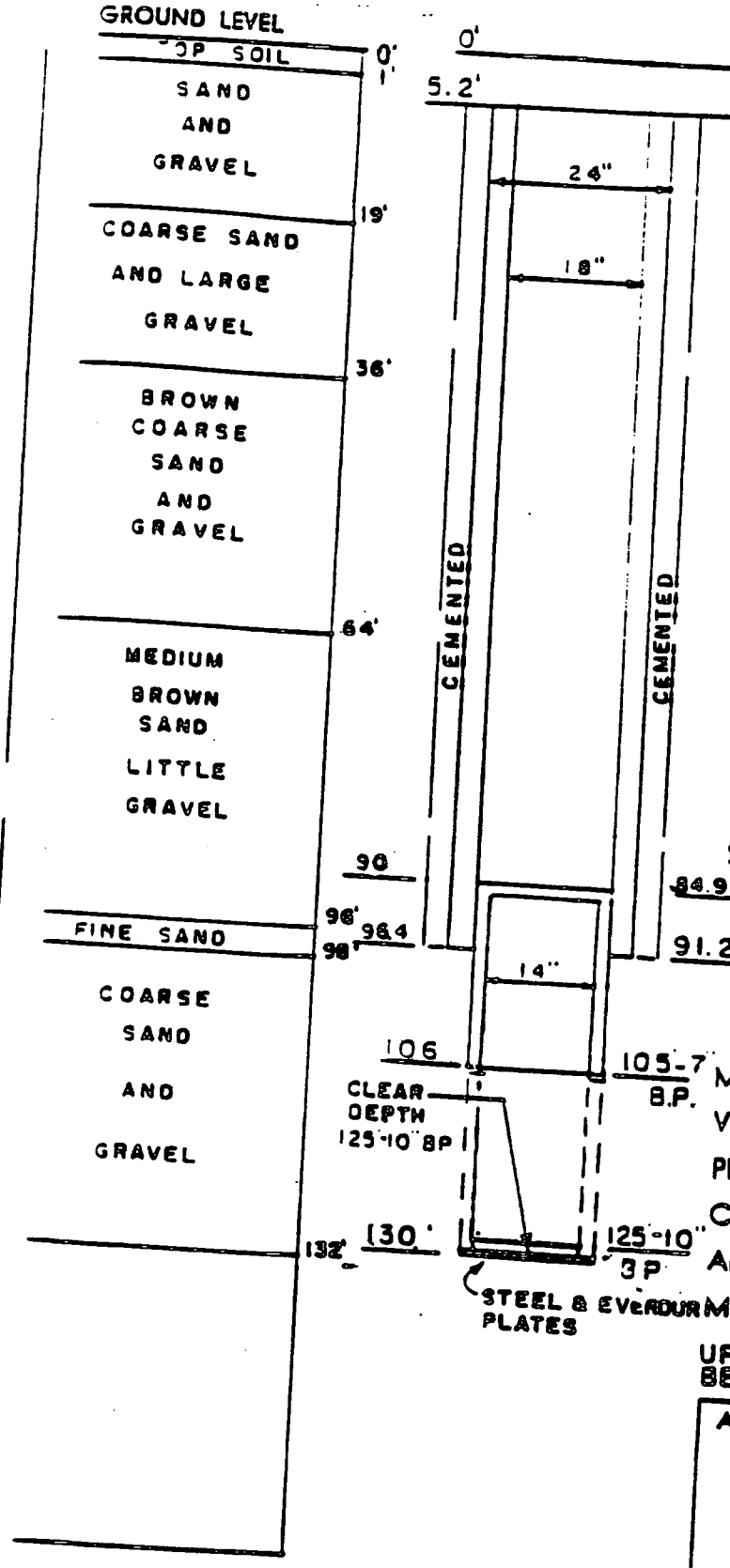
WELL NO. 48A (REDRILL)
(Q 2300)

ELEV. 55.79' B.P. DATE 7/24/91

By A. I.

Dwg. No.

FORM 132—1M—3.59



MATERIAL

PIT 91.2' OF 24" STEEL PIPE, WELDED
84.8' OF 18" STEEL PIPE, WELDED
20' OF 18" EVERDUR BLANK

SCREEN 20' OF 18" EVERDUR

CONE STEEL & EVERDUR PLATES

LINER 1981 20' OF 14" 304 SS SCREEN #80 SLOT
18' OF 14" STEEL PIPE WELDED
#3 MORIE GRAVEL

PUMP 6/5/81 NEW

TYPE	TLC	SHOP NO.	42748A
SETTING	94-10½" S.F.	SIZE	12"
SUCTION	10" OF 10"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLGD.	HEAD	TF 1025
TUBING	NONE	PRESS B.P.	67#
SHAFTING	1 15/16" WATER LUB.	AIR LINE	10# 9" B.P.

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208/416	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	1237813
AMP.	256/128	FRAME	444 UPY
MODEL	HU	H.P.	100
UPPER BEARING	7322M	LOWER BEARING	6218J

ACCEPTED 6-16-61

JAMAICA WATER SUPPLY CO.

WELL NO. 49
(Q-2321)

ELEV. 62.3' (BASE PL.) DATE 10-27-61

By TBM

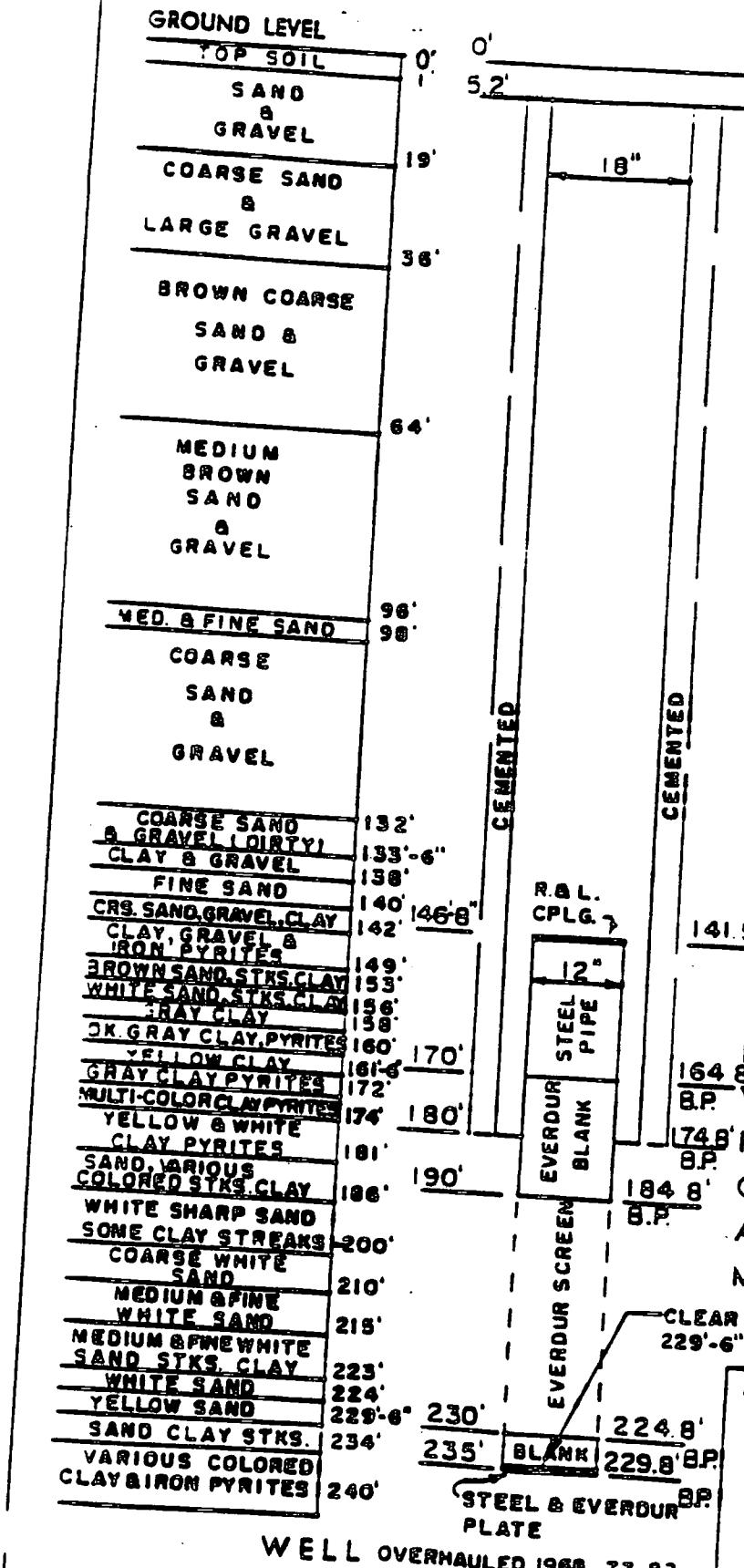
Dwg. No.

WELL OVERHAULED 1968, 82

CAP. 1400 GUAR. 1400

STARTED 10-5-60 PUMPED 6-16-61

FORM 152—13M—3.70



MATERIAL

PIT 174.8' OF 18" STEEL PIPE, WELDED
23'-4" OF 12" STEEL PIPE, T. & C.
25' OF 12" EVERDUR BLANK

SCREEN 40' OF 12" EVERDUR

CONE STEEL & EVERDUR PLATES

PUMP NEW 1982

TYPE	DRHC	SHOP NO.	427468
SETTING	134'-8½" SF	SIZE	18"
SUCTION	10' OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLGD.	HEAD	TF 1018
TUBING	NONE	PRESS B.P.	67.44
SHAFTING	1 15/16"	AIR LINE	138'-6" B
GPM	1480	TDH	317

MOTOR 3/1/83

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208	R.P.M.	1775
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	5C51779-595
AMP.	386.3	FRAME	444CPAWPI
MODEL	RU	H.P.	150

WELL OVERHAULED 1968, 73, 82

CAP. 1600 GUAR. 1600

STARTED 9-6-60 PUMPED 6-16-60

ACCEPTED 6-16-61

JAMAICA WATER SUPPLY CO.

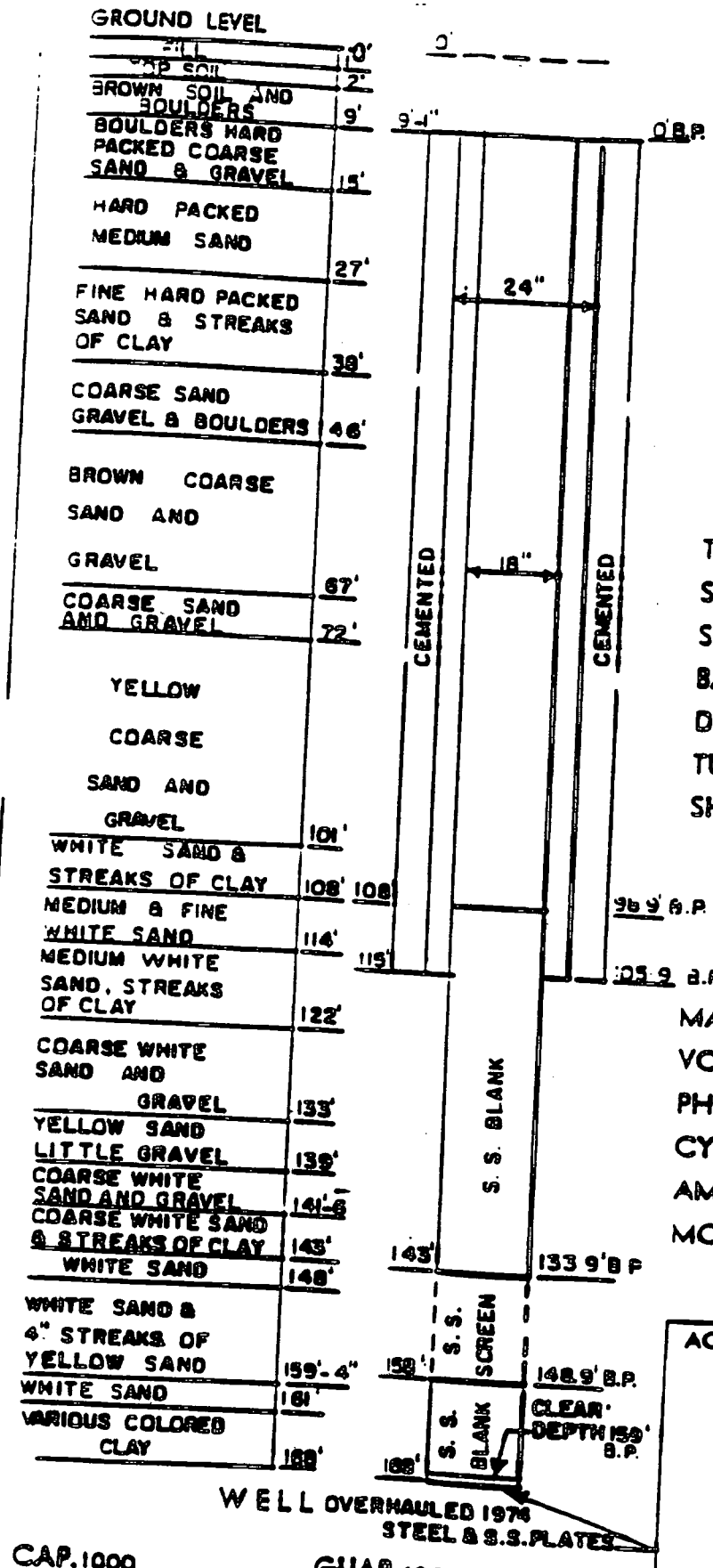
WELL NO. 49A
(Q 2343)

ELEV. 62.3' (BASE PL.) DATE 10-27-61

By T.B.M.

Dwg. No.

Form 152—1M—3.59



WELL OVERHAULED 1974
STEEL & S.S. PLATES

MATERIAL

OUTER CASING	105.9' OF 24" STEEL PIPE WELDED
INNER CASING	98.9' OF 18" STEEL PIPE WELDED
RISER	35' OF 18" S. S. BLANK
SCREEN	18' OF 18" STAINLESS STEEL
SUMP	10' OF 18" STAINLESS STEEL BLANK WITH STEEL & S.S. PLATES WELDED ON BOTTOM
GRAVEL	NO DATA

PUMP RESTAGED 1989

700 GPM @ 187' TDH

TYPE	(LAYNE) RKBL	SHOP NO.	43893
SETTING		SIZE	12"
SUCTION	4'-10" OF 8"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10" X 10" FLG	HEAD	TF 1028
TUBING	WL	PRESS B.P.	
SHAFTING	1 15/16" CRS	AIR LINE	1/4" 3/4" @ 138'-7"

MOTOR

MAKE	U.S.	TYPE	RUE
VOLTS	208	R.P.M.	1780
PHASE	3		
CYCLE	60	SERIAL	B406-503R322R659-3
AMP.	120	FRAME	324TPW-WPI
MODEL		H.P.	40

ACCEPTED 7-18-62

JAMAICA WATER SUPPLY CO.

WELL NO. 50
Q-2373

ELEV. B.P. 83.53

DATE 10/1/91

By A.I.

Dwg. No.

CAP. 1000

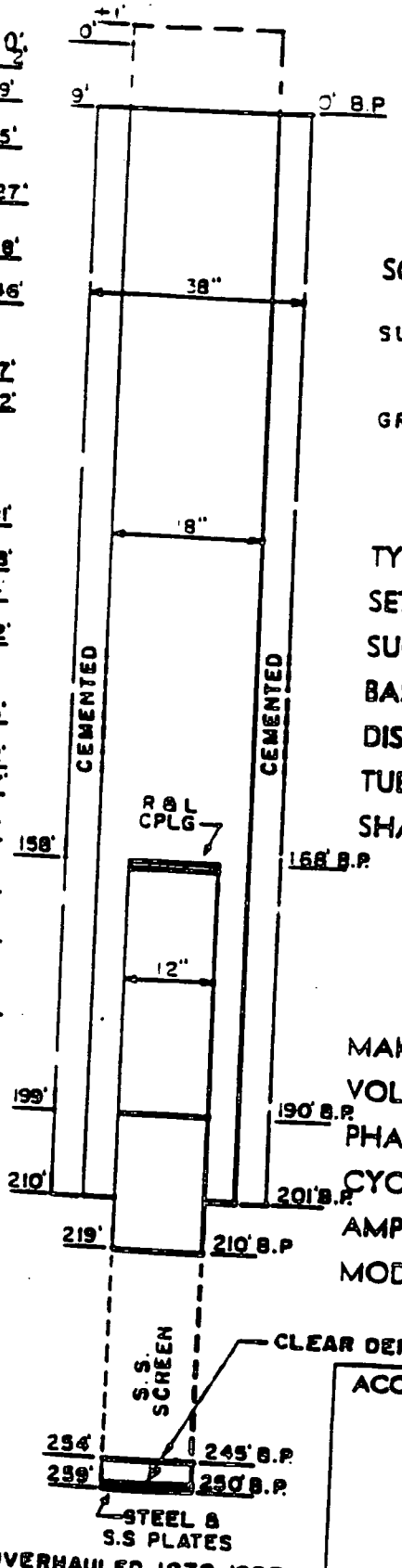
GUAR. 1000

STARTED 9-27-81

PUMPED 7-18-62

Form 152-1M-1.30

GROUND LEVEL	
TOP SOIL	0'
BROWN SOIL	9'
COARSE SD & GR BOULDERS HARD PACKED	15'
HARD PACKED MED. SAND AND BOULDERS	27'
FINE HARD PACKED SAND & STREAKS OF CLAY	38'
COARSE SAND GRAVEL AND BOULDERS	46'
BROWN COARSE SAND & GRAVEL STREAKS OF CLAY	67'
COARSE SAND & GRAVEL	72'
YELLOW COARSE SAND AND GRAVEL	101'
WHITE SAND STREAKS OF CLAY	108'
MED. & FINE WHITE SAND	114'
COARSE WHITE SAND & GRAVEL	122'
YELLOW COARSE SAND & GRAVEL IRON OXIDE	133'
COARSE WHITE SAND & GRAVEL	142'
MEDIUM WHITE SAND	147'
MED. & COARSE WHITE SAND & GRAVEL	153'
MED. & FINE WHITE SAND	161'
COARSE WHITE SD. & ST. CL	163'
CLAY	164
CLAY & IRON PYRITES	168'
CLAY VARIOUS COLORS	168'
GREY CLAY	172'
BLUE CLAY	179'
BLUE CLAY & PYRITES	182'
TOUGH WHITE CLAY	190'
FINE SAND MUDDY	199'
CLAY	203
SANDY CLAY	219'
MEDIUM AND FINE SAND	228'
COARSE SAND & GRAVEL STREAKS OF CLAY	232'
COARSE SAND & GRAVEL	239'
MEDIUM WHITE CLAY	244'
SHARP SAND STR. CLAY	251'
COARSE SAND GRAVEL IRON OXIDE	256'
CLAY	265'



MATERIAL

OUTER CASING 201' OF 18" STEEL PIPE WELDED
INNER CASING 22' OF 12" STEEL PIPE T & C
RISER 20' OF 12" S.S. BLANK

SCREEN 35' OF 12" STAINLESS STEEL

SUMP 5' OF 12" S.S. BLANK WITH STEEL & S.S. PLATE WELDED ON BOTTOM

GRAVEL NO DATA

NEW PUMP 198
RESTAGED 3/89

PUMP

1000 GPM @ 236' TDH

TYPE (LAYNE) R K B H
SETTING 171'-1" SF
SUCTION 20'-10" OF 8"
BASKET NONE
DISCHARGE 10" FLG'D.
TUBING CEMENT-LINED W L
SHAFTING 1 15/16"

SHOP NO. 43872 BT
SIZE 12"
STAGES 4
IMPELLERS BRONZE
HEAD TF1025
PRESS B.P.
AIR LINE (2) @ 164'-9"
(1) @ 191'-10"

MOTOR NEW 1989

MAKE U.S.
VOLTS 208
PHASE 3
CYCLE 60
AMP. 221
MODEL

TYPE W P
R.P.M. 1775
FORM VERTICAL
SERIAL B409-S02R322R169R
FRAME 365 TP-WPI
H.P. 75

WELL OVERHAULED 1970, 1983

CAP. 1000 GUAR. 1000
STARTED 8-8-61 PUMPED 7-19-62

ACCEPTED 7-19-62

JAMAICA WATER SUPPLY CO.

WELL NO. 50 A
Q 2374

ELEV. B.P. 63.60 DATE 10/1/91

By A. L.

Dwg. No.

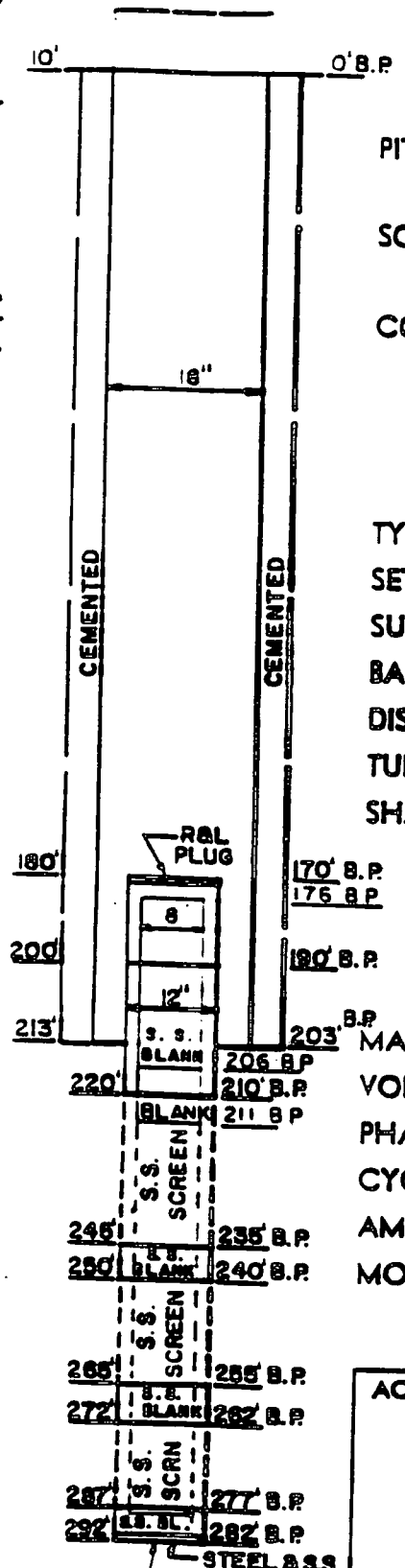
Form 152—13M—3.39

WELL # 51-60

51 -
52 -
[redacted]
53 - REV 10/91
53A - REV 10/91
54 -
54A -
55 -
56 -
57 - REV 7/91
57A - REV. 7/91
58 - REV 8/91
59 - REV 7/91
60 - REV 8/91

1978 NEW SCREEN AND LINER
67' OF 8" STAINLESS STEEL WIR
WRAP SCREEN
5' OF 8" STAINLESS STEEL BLAN
30' OF 8" STEEL BLANK

GROUND LEVEL 0'
FILL BOULDERS & CONCRETE 16'
LARGE GRAVEL CLAY BOULDERS 68'
SAND GRAVEL STONES 70'
SAND GRAVEL IRON OXIDE 166'
YELLOW SAND & WHITE CL. 169'
YELLOW SAND & GRVL. CLAY 173'
WHITE SAND GRAVEL CLAY 175'
FINE TO COARSE BROWN SAND 176'
WHITE CLAY & SAND STKS 177'
WHITE CLAY 191'
FINE WHITE SAND 203'
YELLOW GRAY BLUE CLAY 218'
FINE AND COARSE SAND CLAY STREAKS 240'
FI. TO CSE BROWN SAND 246'
BROWN & GRAY CLAY 250'
BROWN & GRAY SANDY CLAY 263'
SD. HVY GR. MNED CLAY 268'
HARD CLAY 276'
GRAY SD. GR. CL. STREAKS 279'
FI. BR. SD. CL. STREAKS 286'
HARD CLAY 292'



WELL OVERHAULED 1978

CAP. 1000 GUAR. 1000
STARTED 10-6-61 PUMPED 7-17-62

MATERIAL

PIT
203' OF 18" STEEL PIPE WELDED
20' OF 12" STEEL PIPE T & C
37' OF 12" STAINLESS STEEL BLANK

SCREEN 65' OF 12" STAINLESS STEEL

CONE

PUMP

1978 NEW PUMP

TYPE	R.K. 8 H	SHOP NO.	43981 A
SETTING	136'-7" SF	SIZE	12"
SUCTION	9'-8" OF 8"	STAGES	5
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"X10" FLGD CEM. LINED	HEAD	TF1028
TUBING	NONE	PRESS B.P.	100#
SHAFTING	1 15/16"	AIR LINE	148' B.P. ? 146'-4"

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	208	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	960611
AMP.	317	FRAME	505-5
MODEL	C.F.U	H.P.	125

ACCEPTED 7-17-62

JAMAICA WATER SUPPLY CO.

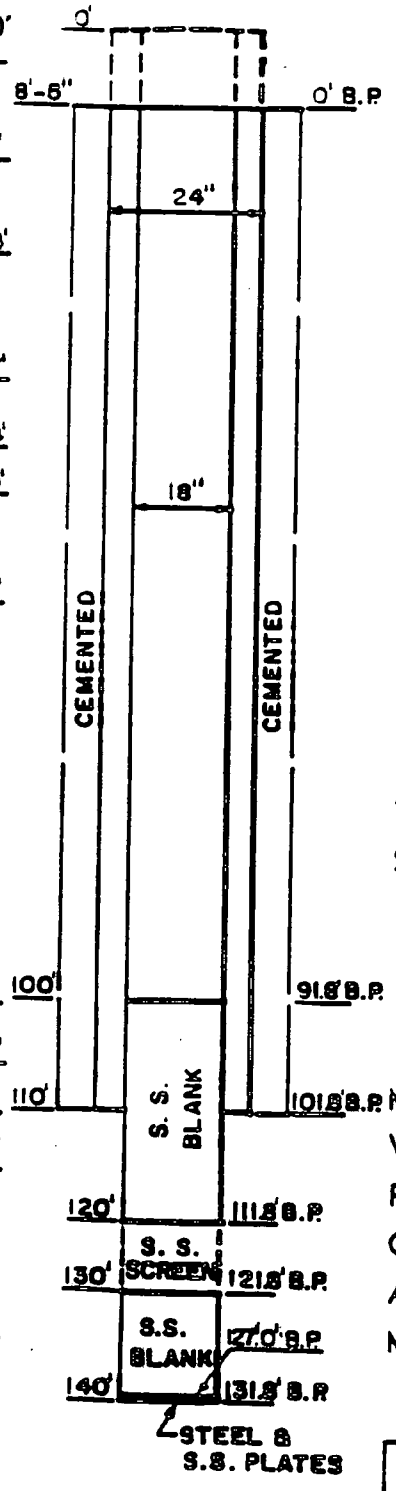
WELL NO. 61
Q2362

ELEV. B.P. 69.22 DATE 3-18-65

By M B Dwg. No.

Form 152—131—3-39

GROUND LEVEL	0'
TOP SOIL & LOAM	4'
BROWN SAND	14'
COARSE BROWN SAND	24'
FINE BROWN SAND	37'
BROWN SAND	44'
BROWN CLAY	49'
BOULDERS AND SAND	60'
COARSE SAND AND GRAVEL	84'
FINE BROWN SAND	89'
BROWN SAND AND GRAVEL	93'
COARSE HARD WHITE SAND, STREAKS OF WHITE CLAY	101'
WHITE CLAY STRKS WHITE SAND	108'
WHITE SAND STREAKS WHITE & YELLOW CLAY	111'
YELLOW HARD CLAY	113'
FINE BROWN CLAY	114'
STREAKS OF SAND AND CLAY	120'
WHITE SAND AND CLAY STREAKS	130'
YELLOW CLAY	135'
BLUE CLAY & IRON PYRITES	141'



MATERIAL

PIT 101.6' OF 24" STEEL PIPE WELDED
91..6' OF 18" STEEL PIPE WELDED
30' OF 18" STAINLESS STEEL BLANK

SCREEN 10' OF 18" STAINLESS STEEL

CONE STEEL & STAINLESS STEEL PLATES

PUMP 1980

TYPE	RKBL	SHOP NO.	43892
SETTING	106'-10' SF	SIZE	12"
SUCTION	2'-10" OF 8"	STAGES	8
BASKET	NONE	IMPELLERS	BRONZE CTRNM
DISCHARGE	10"x10" FLGD CEM. LINED	HEAD	TF1025
TUBING	NONE	PRESS B.P.	65
SHAFTING	1 15/16"	AIR LINE	100'-1"BP

MOTOR

MAKE	U.S.	TYPE	HOLLOW SHAFT
VOLTS	220	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	1266436
AMP.	191	FRAME	405 UPH
MODEL	HU	H.P.	75

WELL OVERHAULED 1980.

CAP. 800 GUAR. 800

STARTED 8-14-61 PUMPED 7-16-62

ACCEPTED 7-16-62

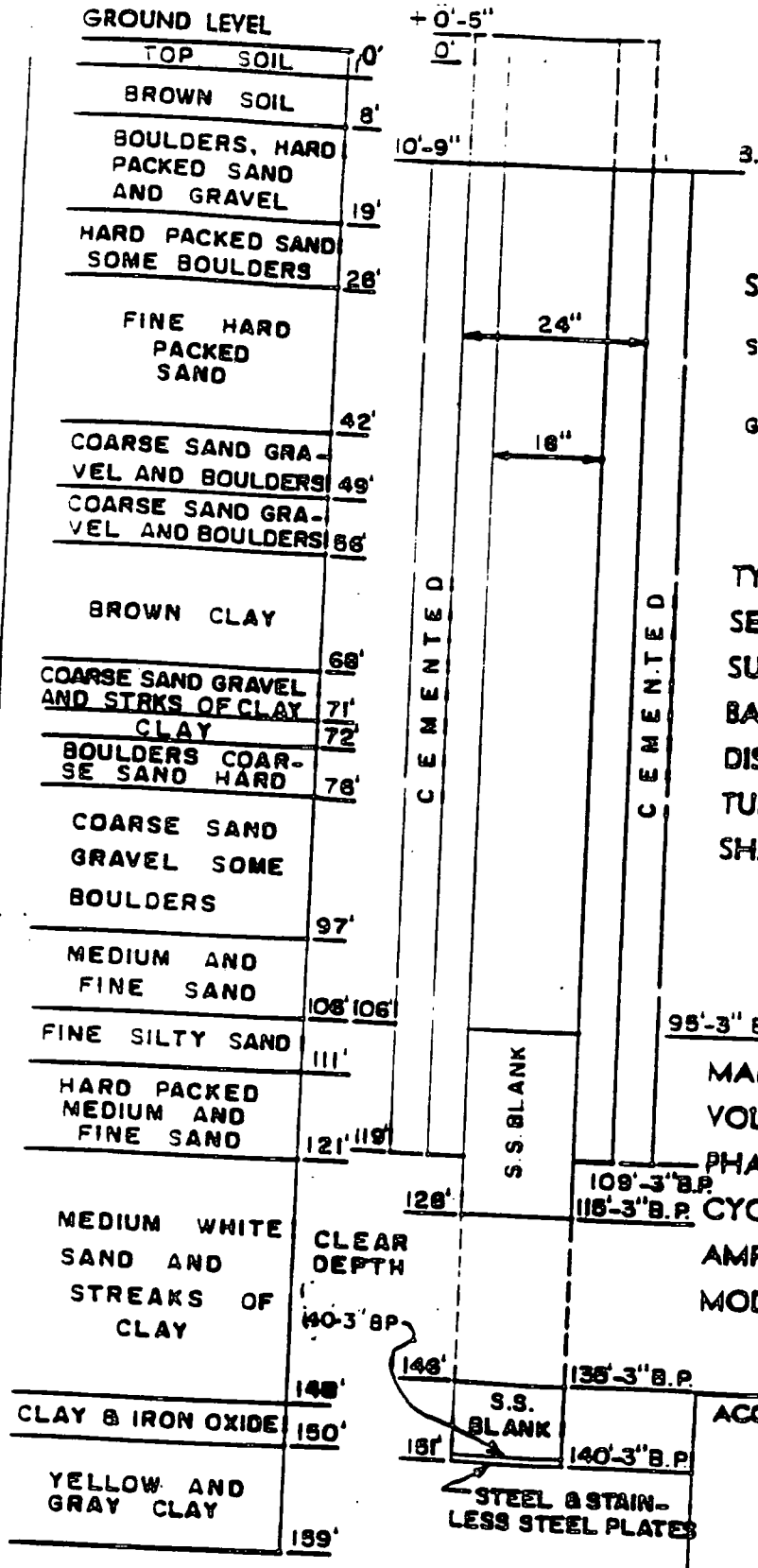
JAMAICA WATER SUPPLY CO.

WELL NO. 52
Q 2363

ELEV. B.P. 83.13 DATE 3-20-63

By M B Dwg. No.

Form 152—1M—3-39



MATERIAL

OUTER CASING 109.3' OF 24" STEEL PIPE WELDED
INNER CASING 95.3' OF 18" STEEL PIPE WELDED
RISER 20' OF 18" S.S. BLANK

SCREEN 20' OF 18" STAINLESS STEEL

SUMP 5' OF 18" S.S. BLANK SUMP WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL NO DATA

PUMP NEW 1989

700 GPM @ 187' TDH

TYPE (LAYNE) RKBL	SHOP NO. 47285 A
SETTING 133'-6¼"	SIZE 12"
SUCTION 4'-10¼" OF 10"	STAGES 4
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10" X 10" FLG'D. CEMENT LINED	HEAD TF 1028
TUBING W. L.	PRESS B.P.
SHAFTING 1 11/16"	AIR LINE 2 @ 133'-6¼"

MOTOR

MAKE U. S.	TYPE RUE
VOLTS 208	R.P.M. 1780
PHASE 3	FORM VERTICAL
CYCLE 60	SERIAL B408/R12R312R0338-1
AMP. 120	FRAME 324 TPH-WPI
MODEL	H.P. 40

ACCEPTED 11-1-63

JAMAICA WATER SUPPLY CO.

WELL NO. 83
Q 2408

ELEV. B.P. 61.28'

DATE 12/27/92

By A. I.

Dwg. No.

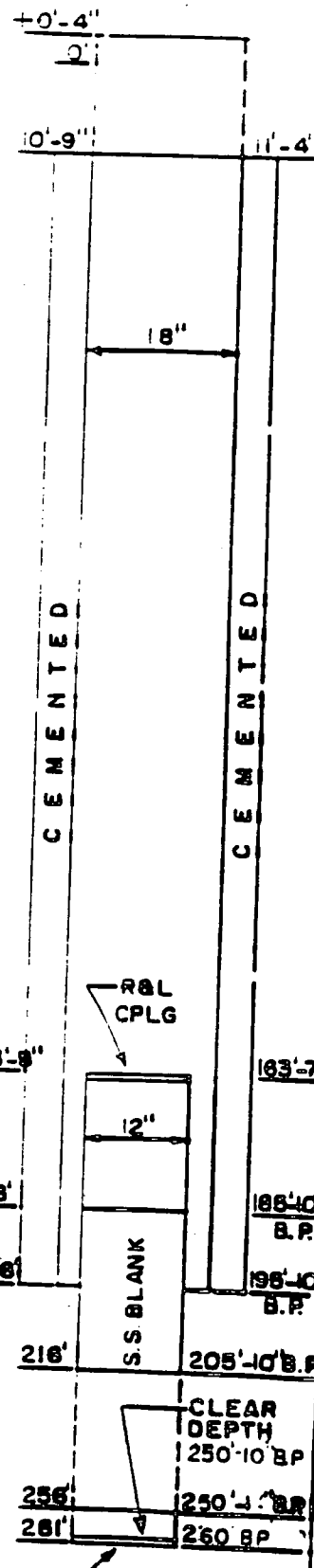
WELL OVERHAULED 1972
1977

CAP. 1000 GUAR. 1000

STARTED 3-13-63 PUMPED 11-1-63

152—1M—1-39

GROUND LEVEL	
TOP SOIL	0'
BROWN SOIL	8'
HARD PACKED COARSE SAND GRAVEL BOULDERS	19'
HARD PACKED SAND AND BOULDERS	26'
FINE HARD PACKED SAND	42'
COARSE AND GRAVEL AND BOULDERS	49'
COARSE SAND GRAVEL & STRKS OF CLAY	56'
BROWN CLAY	68'
COARSE SAND GRAVEL & STRKS OF CLAY	71'
CLAY	72'
BOULDERS CRS SAND	76'
COARSE HARD SAND GRAVEL SOME BOULDERS	97'
MEDIUM AND FINE SAND	106'
FINE SILTY SAND	111'
COARSE SAND GRAVEL & BOULDERS	116'
MEDIUM & FINE SAND HARD PACKED	121'
MEDIUM WHITE SAND STRKS OF CLAY	147'
IRON OXIDE & CLAY	150'
YELLOW CLAY	159'
VARIOUS COLORED CLAY	166'
WHITE CLAY	171'
MULTI-COLORED CLAY	180'
CLAY AND IRON OXIDE	193'
MED. & FINE WHITE SAND	196'
VARIOUS COLORED CLAY	201'
CLAY STRKS OF SAND LITLE IRON OXIDE	209'
MED. & FINE SAND	211'
CLAY STRKS OF SAND & IRON OXIDE	221'
MED. & FINE SAND STRKS OF CLAY	243'
COARSE SAND GRAVEL CLAY STRKS	264'
MED. & FINE SAND	287'
TOUGH CLAY	284'



MATERIAL

OUTER CASING	206'-4" OF 18" STEEL PIPE WELDED
INNER CASING	22'-3" OF 12" STEEL PIPE WELDED
RISER	20'-0" OF 12" S.S. BLANK

SCREEN 40' OF 12" STAINLESS STEEL

SUMP 5' OF 12" S.S. BLANK WITH STEEL & STAINLESS STEEL PLATES WELDED ON BOTTOM

GRAVEL NO DATA

PUMP

NEW 1982
1000 GPM. @ 236' TDH

TYPE RK&H	SHOP NO. 47263 AT
SETTING 151'-5" SF	SIZE 12"
SUCTION 20' OF 8"	STAGES 6
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10"	HEAD TF 1028
TUBING W. L.	PRESS B.P. —
SHAFTING 1 11/16"	AIR LINE: — 1 @ 171'-0"
GPM 1000	1 @ 151'-5"

MOTOR

MAKE U. S.	TYPE RUE
VOLTS 208	R.P.M. 1775
PHASE 3	
CYCLE 60	SERIAL 8409/3.02R322R189R-9
AMP. 221	FRAME 365TP-WPI
MODEL	H.P. 75

WELL

OVERHAULED 1972, 82

CAP. 1000 GUAR. 1000

STARTED 12-17-62 PUMPED 11-1-63

ACCEPTED 11-1-63

JAMAICA WATER SUPPLY CO.

WELL NO. 53A
02409

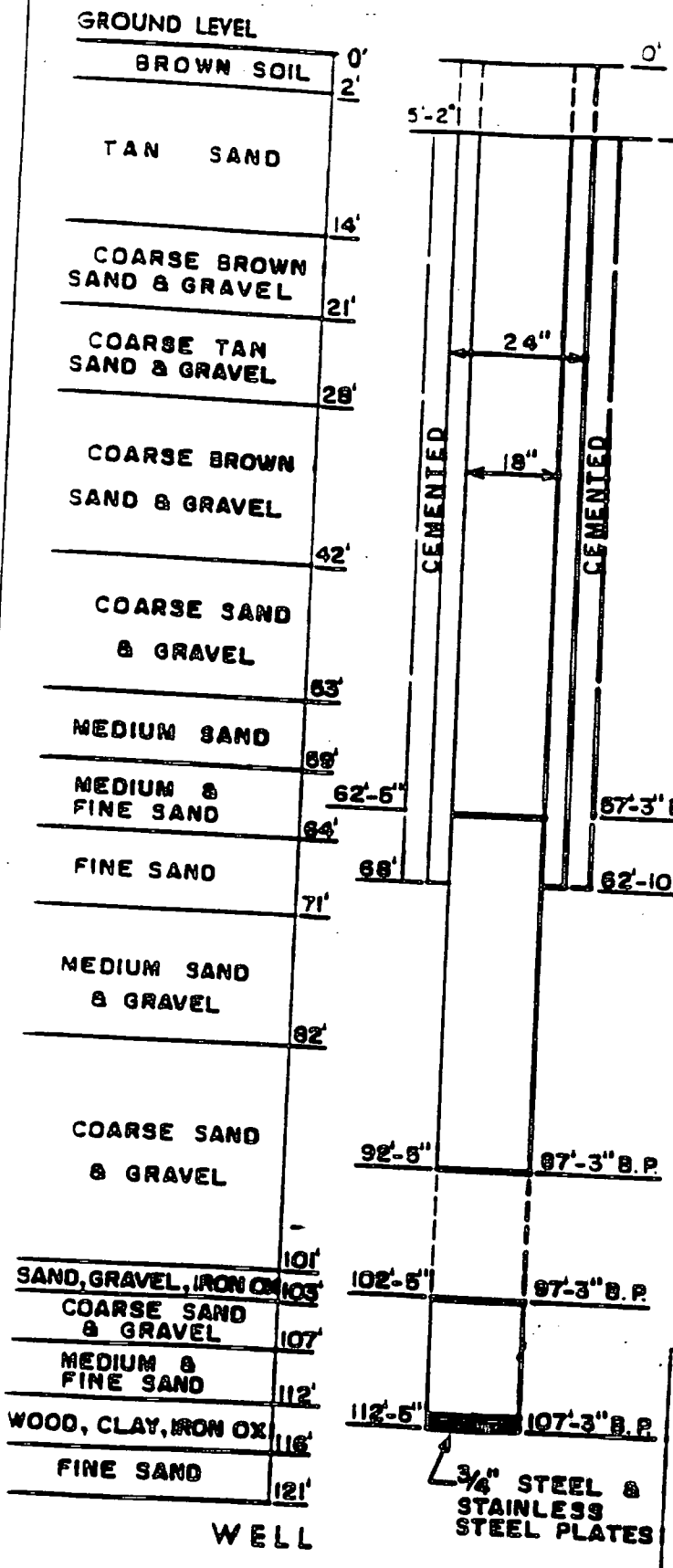
ELEV. B.P. 61.28'

DATE 2/27/92

By A. I.

Dwg. No.

Form 153—1M—3-38



MATERIAL

PIT
62.8' OF 24" BLACK STEEL PIPE WELD
57.3' OF 18" BLACK STEEL PIPE WELD
40'-0" OF 18" STAINLESS STEEL BLANK

SCREEN 10' OF 18" STAINLESS STEEL #6 SLOT

CONE 3/4" STEEL & STAINLESS STEEL PLATE

PUMP

TYPE DRLC
SETTING 83'-9" TO S.F.
SUCTION 8'-6" OF 10"
BASKET NONE
DISCHARGE 10"X8' OF 10' FLGD.
TUBING W. L.
SHAFTING 1 11/16"

SHOP NO. 51384
SIZE 18"
STAGES 2
IMPELLERS BRONZE
HEAD TF-1028
PRESS B.P. 87
AIR LINE 92' B.P.

MOTOR

MAKE U. S.
VOLTS 220/440
PHASE 3
CYCLE 60
AMP. 248
MODEL HOLLOW SHAFT

TYPE R.U.
R.P.M. 1800
FORM VERTICAL
SERIAL 1389868
FRAME A-444 UP
H.P. 100

CAP. 1200
STARTED 1-4-66

GUAR. 1200
PUMPED 2-1-66

ACCEPTED 10-29-65

JAMAICA WATER SUPPLY CO.

WELL NO. 54
Q 2442

ELEV. 47.88' B.P.

DATE 6-12-66

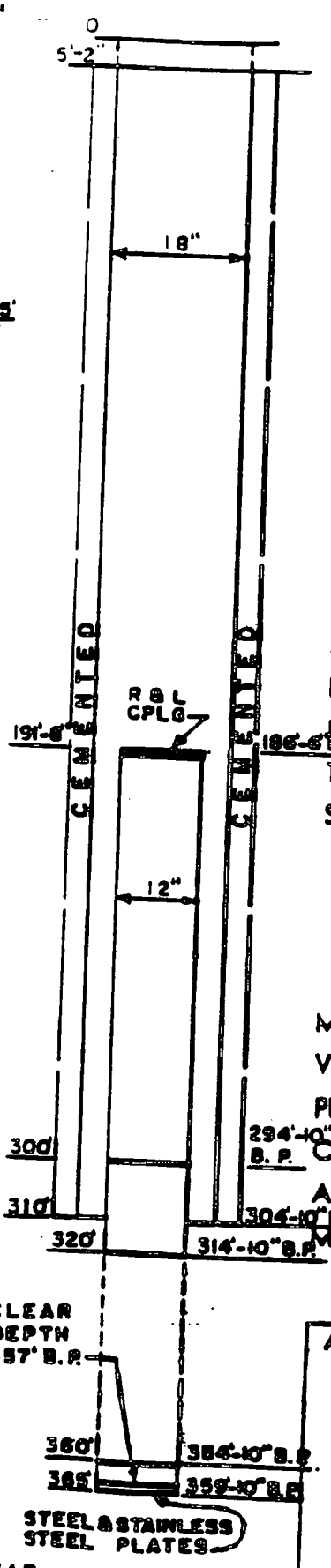
By M B

Dwg. No.

Form 152—1M—3.39

GROUND LEVEL	0'
BROWN SOIL	4'
TAN SAND	14'
COAR. BRN. SAND & GRAV.	21'
COAR. TAN SAND & GRAV.	28'
COAR. BRN SAND & GRAV.	42'
COAR. SAND & GRAV.	53'
MEDIUM SAND	59'
MEDIUM & FINE SAND	64'
FINE SAND	71'
MEDIUM SAND & GRAVEL	82'
COAR. SAND & GRAV.	101'
COAR. SAND GRAV. IRON OX	102.5'
COAR. SAND & GRAV.	107'
MEDIUM & FINE SAND	111'
CLAY & IRON OXIDE	116'
FINE SAND	122'
SAND & LIGNITE	124'
CLAY & PYRITE	127'
CLAY - TOUGH	138'
CLAY & GRAVEL	140'
CLAY & PYRITE	143'
CLAY - TOUGH	156'
CLAY & LIGNITE	163'
MEDIUM & FINE SAND	165'
PYRITE-CLAY & SAND	166'
MEDIUM & FINE SAND	174'
CLAY	179'
FINE SAND	181'
SANDY CLAY	186'
FINE SAND	194'
CLAY & LIGNITE	201'
MEDIUM & FINE SAND	203'
CLAY & PYRITE	204'
LIGNITE & CLAY	208'
CLAY-LIGNITE-SAND	221'
FINE SAND.	226'
CLAY-LIGNITE-PYRITE	228'
FINE SAND	233'
CLAY & PYRITE	241'
COAR. SAND & GRAV.	248'
CLAY-PYRITE-IRON OX	251'
COAR. SAND & GRAV.	274'
MEDIUM & FINE SAND	284'
COAR. SAND, CLAY	287'
SAND.	295'
SAND & CLAY STKS	298'
SAND	303'
SAND-CLAY-IRON OX	305'
RED SAND	308'
GRAV. CLAY STKS	316'
MEDIUM SAND	325'
SAND & CLAY	327'
SAND & GRAV.	331'
COAR. SAND & GRAV.	337'
FINE SAND	341'
MEDIUM & FINE SAND	346'
COARSE SAND	353'
MEDIUM SAND	364'
MED. SAND, IRON OX	366'

WELL



MATERIAL

PIT 304.8' OF 18" STEEL PIPE WELDED
108'-4" OF 12" STEEL PIPE T & C
25'-0" OF 12" STAINLESS STEEL BLANK WELDED

SCREEN 40' OF 12" STAINLESS STEEL #8 SLOT

CONE STEEL & STAINLESS STEEL PLATES

PUMP 4/12/84

TYPE	TLC	SHOP NO.	51430-A
SETTING	125'-5" TO S.F.	SIZE	12"
SUCTION	9'-7" OF 10"	STAGES	5
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"X8" OF 10" FLGD	HEAD	TF-1028
TUBING	W. L.	PRESS B.P.	89#
SHAFTING	1 11/16"	AIR LINE	135' B.P.

MOTOR

MAKE	U.S.	TYPE	RU
VOLTS	220/440	R.P.M.	1800
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	1392921
AMP.	245-122.5	FRAME	A-444 UP
MODEL	HOLLOW SHAFT	H.P.	100

ACCEPTED 11-19-65

JAMAICA WATER SUPPLY CO.

WELL NO. 94A
02443

CAP. 1225 GUAR. 1200

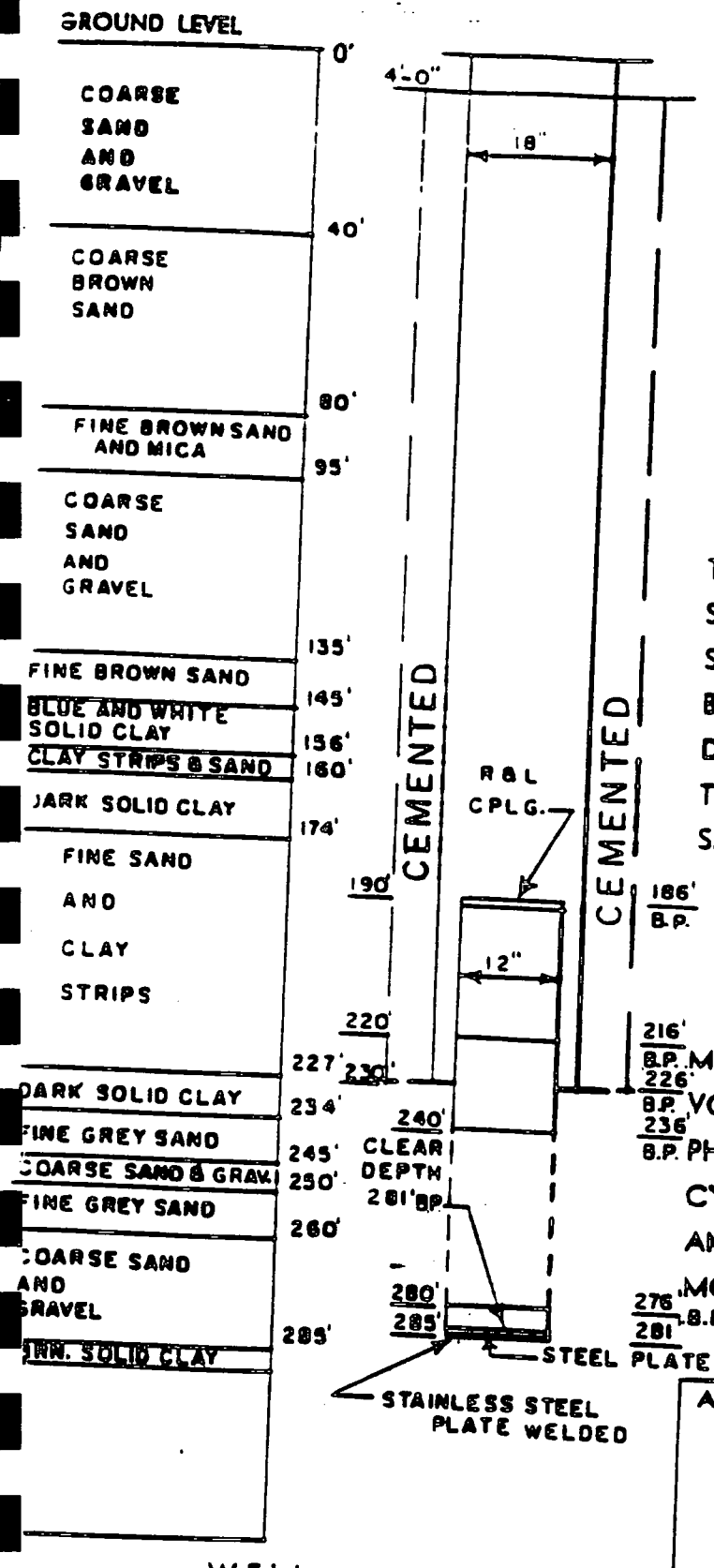
STARTED 11-8-64. PUMPED 1-25-65

ELEV. 47.87' B.P. DATE 5-18-66

By M B

Dwg. No.

Form 152—1M—3.70



MATERIAL

226'-0" OF 18" STEEL PIPE WELDED
30'-OF 12" STEEL PIPE WELDED

PIT 25'-0" OF 12" STAINLESS STEEL PIPE WELDED

SCREEN 40'-OF 12" STAINLESS STEEL #7 SLOT

CONE STEEL & STAINLESS STEEL PLATES WELDED

PUMP NEW BOWL 1986

TYPE DRHC
SETTING 174'-5 TO S.F.
SUCTION 5'-6" OF 10" DIAM.
BASKET NONE
DISCHARGE 10"
TUBING WL
SHAFTING 1 11/16"

SHOP NO. 73872
SIZE 15
STAGES 3
IMPELLERS BRONZE
HEAD TF-1025
PRESS B.P. 78
AIR LINE 2-3/8" @ 180'-1" BP
2-3/4" @ 180'-1" BP

MOTOR

MAKE U S
VOLTS 208
PHASE 3
CYCLE 60
AMP. 410
MODEL

TYPE RU
R.P.M. 1775
FORM VERTICAL
SERIAL 83-06108129-781
FRAME 444 TPA
H.P. 150

WELL

CAP. 1300
GUAR. 1200
STARTED 4-18-72
PUMPED 6-15-72

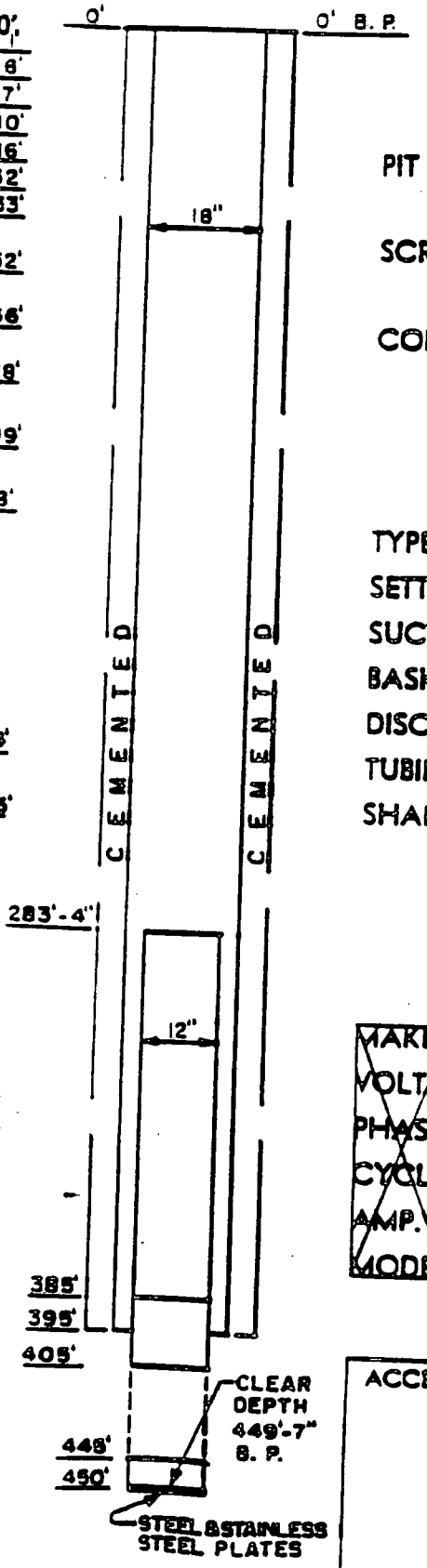
ACCEPTED 12-28-73

JAMAICA WATER SUPPLY CO

WELL NO. 55
Q3034

ELEV. 51.51 BP
DATE 12-28-73
By R. M.
Dwg. No.

GROUND LEVEL	0'
TOP SOIL	
FILL	8'
TOP SOIL	7'
SAND & CLAY	10'
R. SAND GRAV. STONES	16'
BROWN SAND GRAVEL	32'
R. SAND-GRAV.-BLK CLAY	33'
BROWN SAND GRAV. OXIDE & CLAY	52'
GREY CLAY - STREAKS SAND, GRAV. - LIGNITE	66'
BR. & GRAY SAND GNITE - STKS SAND	78'
SAND GRAVEL CLAY & LIGNITE	99'
AND GRAV. STKS OF LAY, PYRITE, LIGNITE	118'
HARD GREY & BROWN CLAY LIGNITE - STREAKS FINE & COARSE SAND	224'
FINE SAND - STREAKS OF CLAY & LIGNITE	245'
FINE & COARSE SAND STREAKS OF LAY, LIGNITE & PYRITES	334'
GREY CLAY-PYRITES	341'
SAND & GRAV.	343'
HARD CLAY	347'
SAND, GRAVEL STREAKS OF CLAY & LIGNITE	383'
BLACK CLAY STKS. SAND & GRAV. ANDY CLAY-PYRITES	403'
COARSE WHITE SAND AND GRAVEL	450'
ARD GREY CLAY	465'



MATERIAL

PIT 395'-0" OF 18" DIAM. X 3/8" WALL BLACK STEEL PIPE WELDED
101'-8" OF 12" DIAM. X 3/8" WALL BLACK STEEL PIPE T&C
25'-0" OF 12" DIAM. X 7GA. STAINLESS STEEL 304 BLANK

SCREEN 40' OF 12" DIAM. X 7GA. STAINLESS STEEL 18-8, TYPE 304 NO. 6 SLOT

CONE 3/4" STEEL & 7GA. STAINLESS STEEL PLATES WELDED

PUMP

TYPE	DRHC	SHOP NO.	56679
SETTING	93'-10" TO S.F.	SIZE	15"
SUCTION	9'-9" OF 10"	STAGES	2
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF 1025
TUBING	W. L.	PRESS B.P.	56#
SHAFTING	1 11/16"	AIR LINE	2 - 103' - 6"

MOTOR

GEAR DRIVE		ENGINE	
MAKE	MFG. JOHNSON GEAR	TYPE	MFG. CATERPILLAR
VOLTS	RATIO 1:1	R.P.M.	SERIAL NO. 30986
PHASE	HVY. THRUST YES	FORM	R.P.M. 1800
CYCLE	MODEL HE-150	SERIAL	FUEL NATURAL GAS
AMP.	SERIAL NO. 41257	FRAME	MODEL G-333
MODEL	NON-REV. YES	H.P.	CONT. H.P 150

WELL

OVERHAUL 1978

CAP. 1400 G.P.M. GUAR. 1400 G.P.M.

ARTED 11-22-66 PUMPED 12-12-67

ACCEPTED 12-12-67

JAMAICA WATER SUPPLY CO.

WELL NO. 56
Q2955

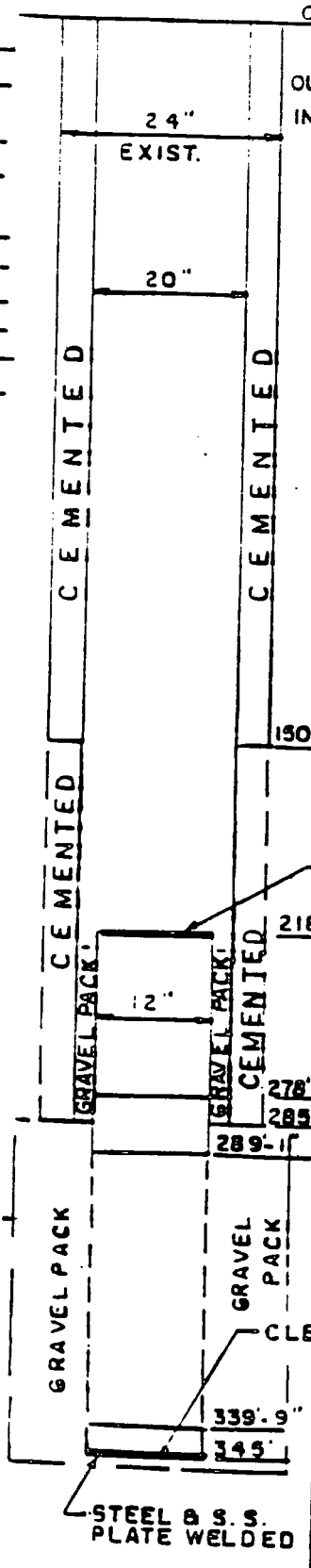
ELEV. 25.13' B.P. DATE 1-4-68

By M B

Dwg. No.

GROUND LEVEL	0'
BROWN SOIL	6'
YELLOW SAND	12'
COARSE SAND & GRAVEL	40'
CORSE, SAND GRAVEL & BOULDERS	45'
COARSE SAND & GRAVEL	57'
MED SAND SMALL GRAVEL	59'
COARSE SAND & GRAVEL	83'
WHITE SAND, GRAV, BLDRS	87'
WHITE COARSE SAND, GRAVEL STR	92'
MEDIUM SAND	102'
CLAY	108'
CLAY & IRON OXIDE	111'
CLAY, GRAVEL, FINE SAND	115'
CLAY & IRON OXIDE	119'
CLAY	124'
MEDIUM SAND	128'
CLAY & IRON OXIDE	130'
FINE TO MED. SAND	139'
CLAY & IRON OXIDE	141'
CLAY	149'
CLAY & IRON OXIDE	152'
FINE MED SAND, CLAY, GRAVEL & IRON OXIDE	167'
IRON OXIDE	171'
SAND CLAY STREAKS	175'
IRON OXIDE	178'
WHITE SAND & CLAY	208'
SAND & IRON OXIDE	212'
GREY SAND & CLAY	239'
BROWN CLAY	242'
IRON OXIDE	243'
WHITE SAND & CLAY	246'
GREY CLAY	251'
IN WHITE SAND & WHITE CL	283'
WHITE SAND	288'
WHITE CLAY, SAND & GRAVEL	294'
SAND	296'
SAND & GRAVEL	301'
CLAY STREAKS	303'
SAND & GRAVEL	323'
WHITE CLAY	326'
SAND & GRAVEL	331'
STREAKS OF CLAY	333'
WHITE-SAND	339'
YELLOW SAND	347'
SAND & WHITE CLAY	349'
MULTICOLORED CLAY	353'

WELL



MATERIAL

OUTER CASE - 150'-2" OF EXIST. 24" BLACK STEEL PIPE WELDED
285' OF 20" (0.375 WALL) BLACK STEEL PIPE WELDED
INNER CASE - 60'-5" OF 12" (0.375 WALL) BLACK STEEL PIPE WELDED
RISER - 10'-2" OF 8" (0.188 WALL) 316L SS. BLANK WELDED

SCREEN 50'-8" OF 12" MUSTANG 316L SS. WIRE WRAP WITH #60 SLOT OPENINGS

SUMP 5'-3" of 12" (0.188 WALL) 316L SS BLANK WELDED WITH STEEL & SS PLATES WELDED ON BOTTOM

GRAVEL 32" dia. GRAVEL PACKING, #2 & #3 MORIE MIX

PUMP

NEW PUMP-1986
1200 gpm @ 142' TDH

TYPE	(LAYNE) TLC	SHOP NO.	51061-A
SETTING	103'-10" TO SF	SIZE	12"
SUCTION	8'-3" OF 10'	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF-1023
TUBING	W.L.	PRESS B.P.	#22
SHAFTING	1 11/16"	AIR LINE	103'-8" BP

MOTOR

NEW 1986

MAKE	U.S	TYPE	RUE
VOLTS	230/460	R.P.M.	1780
PHASE	3	FORM	VERT.
CYCLE	60	SERIAL	400043-808 B2113794J2310285
AMP.	120/60	FRAME	326 TP
MODEL	HOLLOW SHAFT	H.P.	50

ACCEPTED 2-23-65
REDRILL 6-24-88

JAMAICA WATER SUPPLY CO.

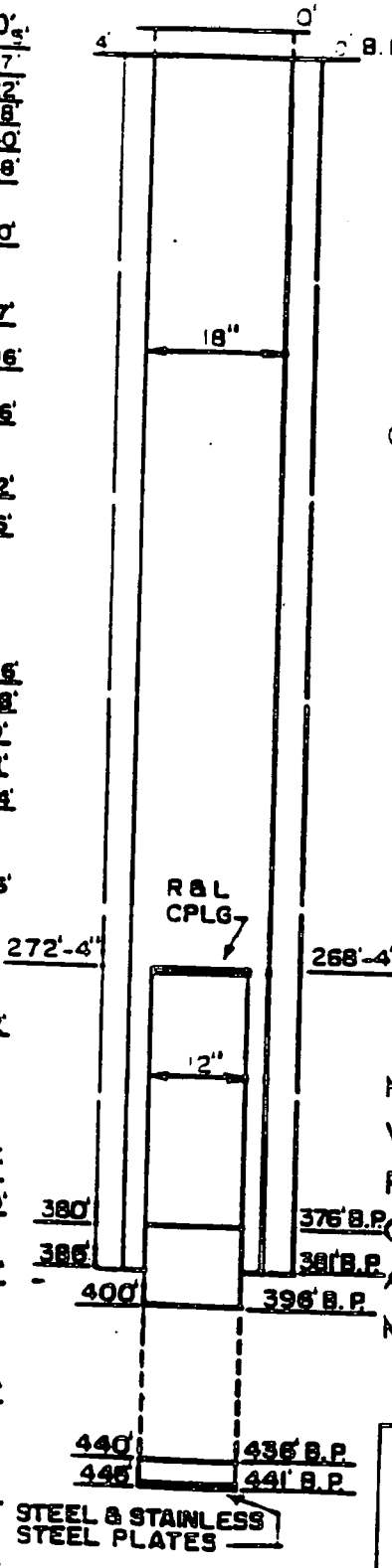
WELL NO. 57 (REDRILL)
N 7649

CAP. 1200 GPM GUAR. 1200 GPM
STARTED 2-5-66 PUMPED 1170

ELEV. 93.66 BP DATE 7/31/90
By JFI. Dwg. No.

152—1M—3-39

GROUND LEVEL	
YELLOW SAND	0'-5'
WHITE CLAY	7'
YELLOW SAND	22'
YELLOW SAND & GRAVEL	28'
YELLOW SAND	40'
HEAVY GRAVEL	48'
BROWN SAND & GRAVEL	70'
WHITE & YELLOW SAND & GRAVEL	97'
FINE SAND & GRAVEL STKS SANDY CLAY	106'
GREY & YELLOW CLAY STKS. IRON OXIDE	126'
FINE BROWN SAND	152'
BR. GRAY CLAY IRON OX	156'
FINE WHITE SAND	206'
WHITE CLAY	208'
GREY CLAY	219'
GREY SAND	221'
LIGHT GREY CLAY	224'
GREY CLAY	246'
WHITE SAND CLAY STREAKS YELL. SAND & GRAV.	302'
STKS. OF CLAY	351'
GREY CLAY	358'
BROWN SANDY CLAY	369'
MED. YELL. SAND STKS. WHITE CLAY	382'
MED. WHITE SAND, STREAKS OF WHITE CLAY	426'
HEAVY GRAVEL WHITE CLAY, STKS. OF FINE SAND	469'
MEDIUM SAND CLAY STREAKS	487'
GREY CLAY, GRAVEL	490'



MATERIAL

OUTER CASING 385' OF 18" STEEL PIPE WELDED
INNER CASING 107'-8" OF 12" STEEL PIPE T & C
RISER 20' OF 12" STAINLESS STEEL PIPE

SCREEN 40' OF 12" STAINLESS STEEL #8 OPENINGS

SUMP 5' OF 12" S.S. PIPE WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL NO DATA

PUMP NEW BOWLS 1985
1200 GPM @ 142' TDH

TYPE	(LAYNE) TLC	SHOP NO.	50903A
SETTING	123'-10" SF	SIZE	12"
SUCTION	8'-7" OF 10"	STAGES	3
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10"	HEAD	TF-1025
TUBING	W.L.	PRESS B.P.	#22
SHAFTING	1 11/16"	AIR LINE	132'-6" B.P

MOTOR NEW 1985

MAKE	U.S.	TYPE	RUE
VOLTS	230/460	R.P.M.	1780
PHASE	3	FORM	VERTICAL
CYCLE	60	SERIAL	9400043-806 R2113792J23102310285
AMP.	120/60	FRAME	326 TPWPI
MODEL	R U	H.P.	50

WELL OVERHAULED 1973, 1982 1985

CAP. 1200 GUAR. 1200

STARTED 8-13-64 PUMPED

ACCEPTED 2-17-65

JAMAICA WATER SUPPLY CO.

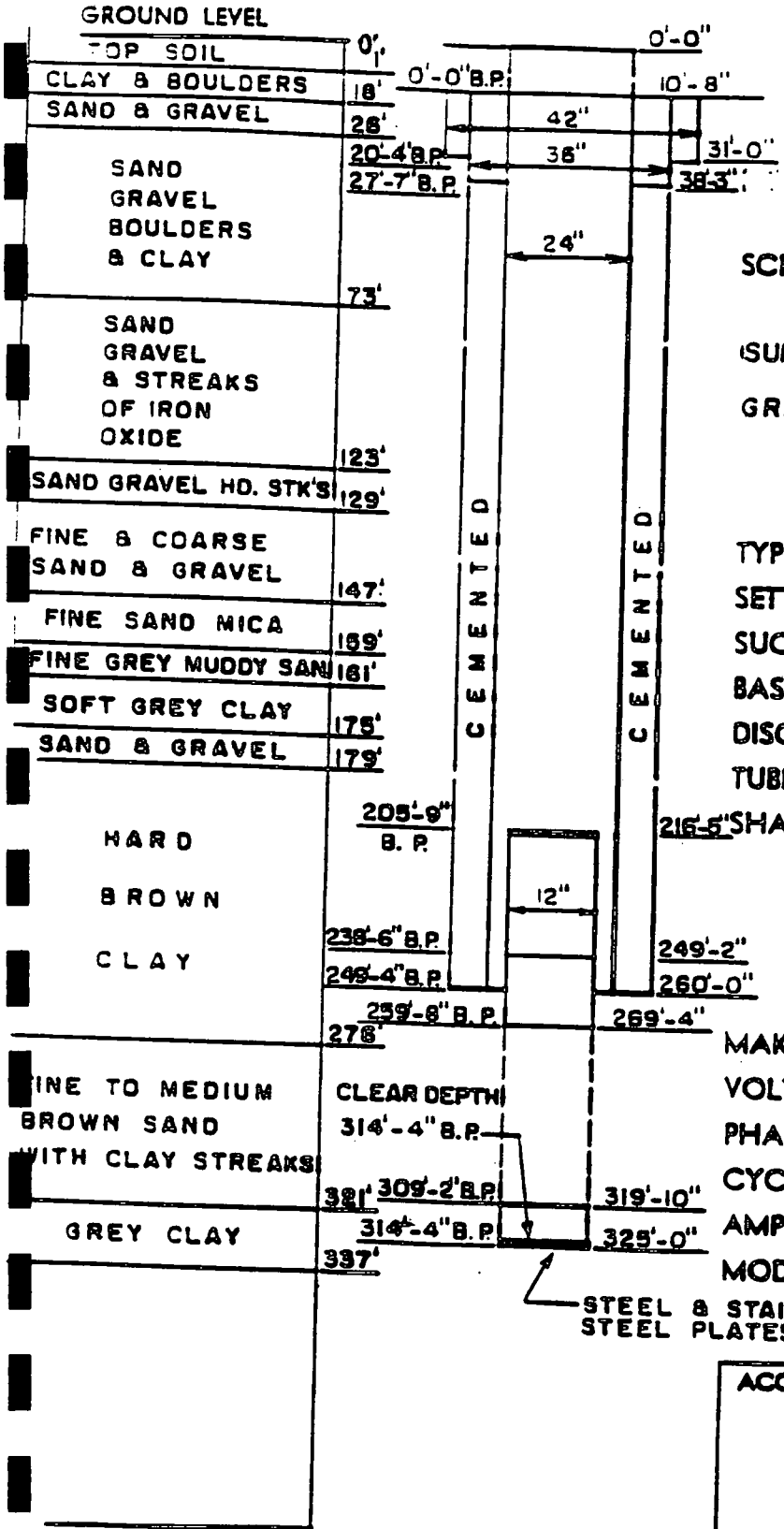
WELL NO. 57 A
N7650

ELEV. 93.74' B.P. DATE 8/6/91

By A. L. [illegible]

Dwg. No.

FM 152—1M—3.39



MATERIAL

OUTER CASING: 31' OF 42" BLACK STEEL PIPE WELDED; 38' OF 36" BLACK STEEL PIPE WELDED; 260 OF 24" BLACK STEEL PIPE WELDED

INNER CASING: 32'-9" OF 12" BLACK STEEL PIPE T&C

RISER: 20'-2" OF 12" S.S. PIPE WELDED

SCREEN: 50'-6" OF 12" STAINLESS STEEL

SUMP: 5'-2" OF 12" S.S. WITH STEEL & S.S. PLATES WELDED ON BOTTOM

GRAVEL: NO DATA

PUMP NEW BOWL 1989

TYPE	RKBH	SHOP NO.	71392
SETTING	200'-6" SF	SIZE	12"
SUCTION	16" OF 8"	STAGES	4
BASKET	NONE	IMPELLERS	BRONZE
DISCHARGE	10' OF 10"	HEAD	TF 1025
TUBING	WL	PRESS	B.P.
SHAFTING	1 11/16"	AIR LINE	200'-6½" B.P.

MOTOR NEW 1989

MAKE	U. S.	TYPE	CFU
VOLTS	208-416	R.P.M.	1800
PHASE	3	FORM	F
CYCLE	60	SERIAL	104486
AMP.	128/256	FRAME	504 P
MODEL	B	H.P.	100

WELL

OVERHAULED 1982

CAP. 1000 GPM GUAR. 1000 GPM

STARTED 2-22-71 PUMPED 12-18-72

ACCEPTED 7-14-71

JAMAICA WATER SUPPLY CO.

WELL NO. 58 / Q 3014

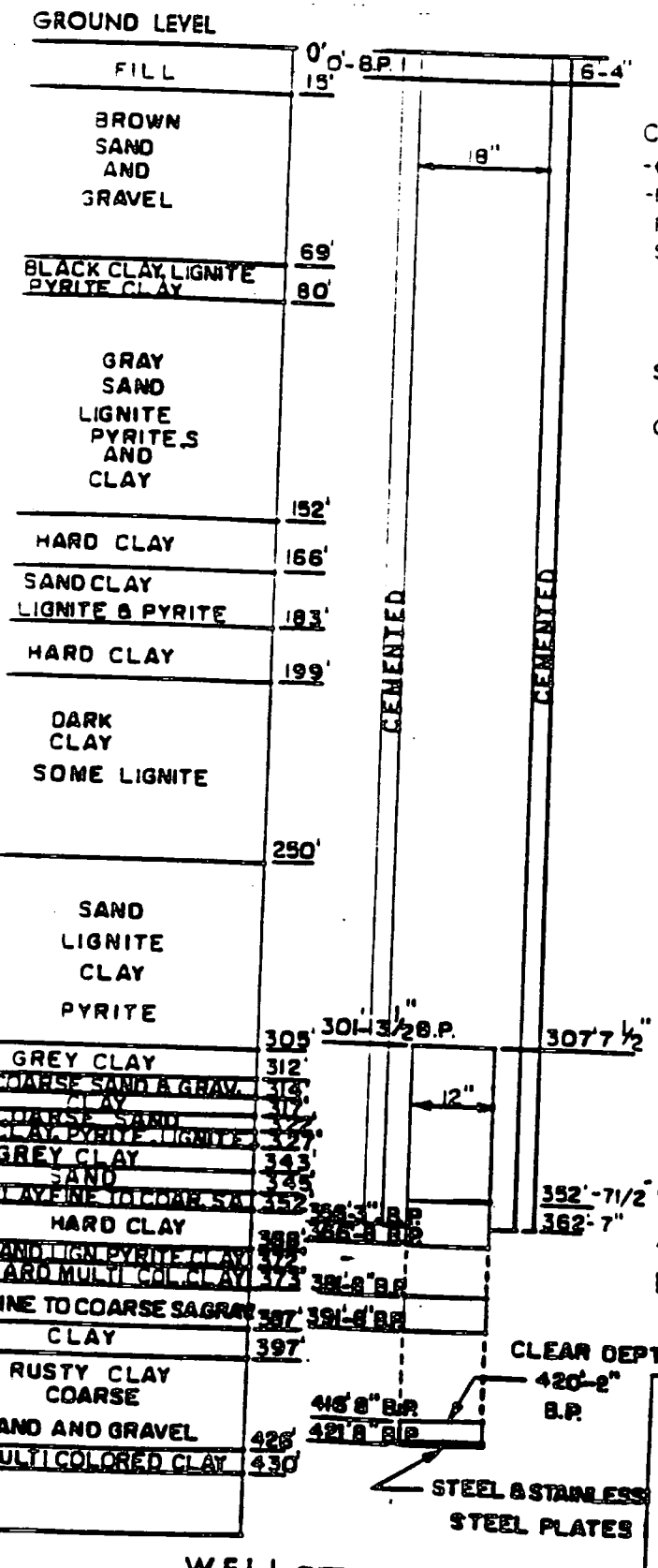
ELEV. 101.40' B.P.

DATE 8/6/91

By A. I. [illegible]

Dwg. No.

152—1M—3-39



MATERIAL

CASINGS

- OUTER: 362'-7" of 18" BLACK STEEL PIPE (0.375" WALL) WELDED
- INNER: 45'-4½" of 12" BLACK STEEL PIPE (0.375" WALL) WELDED

RISER: 20' of 12" 304 STAINLESS STEEL PIPE (#7 Ga.) WELDED

SCREEN: 15' of 12" 304 STAINLESS STEEL STYLE 13Y SHUTTER SCREEN, #7 SLOT
10' of 12" 304 STAINLESS STEEL PIPE BLANK (#7Ga.) WELDED
25' of 12" 304 STAINLESS STEEL STYLE 13Y SHUTTER SCREEN, #7 SLOT

SUMP: 5' of 12" 304 STAINLESS STEEL PIPE W/ STEEL & STAINLESS STEEL PLATES WELD ON BOTTOM

GRAVEL: 32" Dia GRAVEL PACKING #2 & #3 MORIE MIX

PUMP

NEW PUMP 1981
1400 gpm @ 230 TDH

TYPE TLC	SHOP NO. 76066
SETTING 156'	SIZE 12"
SUCTION 10' OF 10"	STAGES 5
BASKET NONE	IMPELLERS BRONZE
DISCHARGE 10" x 10' FL	HEAD TF 1025
TUBING NONE	PRESS B.P. ~~#~~ 45 P.S.I.
SHAFTING 1 11/16"	AIR LINE 2 AT 165'-6" B.P.

MOTOR

MAKE GENERAL ELECTRIC	TYPE K
VOLTS 200	R.P.M. 1770
PHASE 3	FORM V
CYCLE 60	SERIAL 8XHLJ820108
AMP. 333	FRAME 8405 TP 20
MODEL 5X6268XH539 A	H.P. 125

ACCEPTED 10-28-75

JAMAICA WATER SUPPLY CO.

WELL NO. 59
03062

ELEV. 21.24 B.P.

DATE: 10/4/91

By JF

Dwg. No.

WELL OVERHAULED 1981

CAP. 1400 G.P.M.

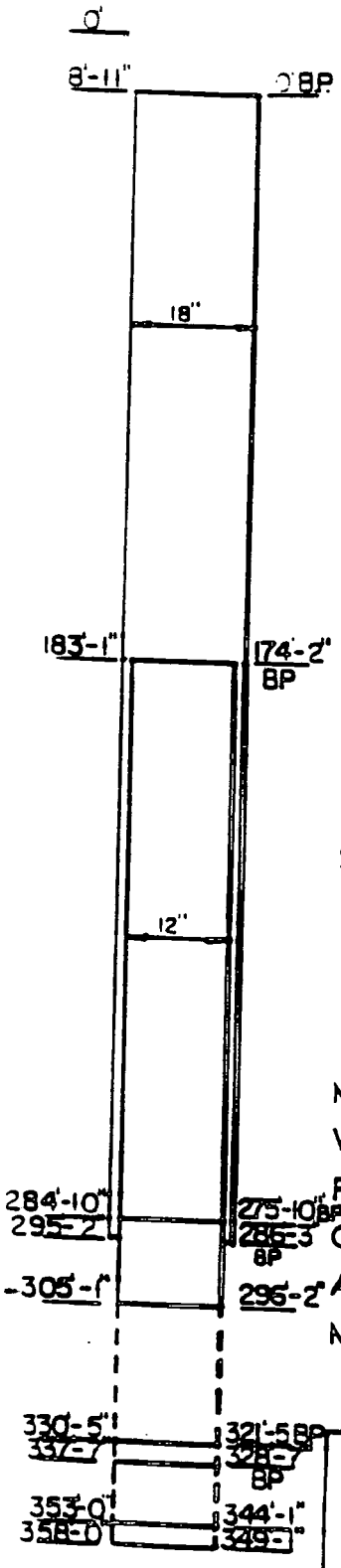
GUAR. 1,400 G.P.M.

STARTED 9-4-73

PUMPED 10-28-75

GROUND LEVEL	0'
MEDIUM COARSE WHITE AND BROWN SAND, STONES, GRAVEL	58'
FINE BROWN SAND	74'
FINE MEDIUM SAND, GRAVEL SMALL STONES	89'
FINE GRAY SAND	128'
SANDY GRAY CLAY, LIGNITES	137'
FINE GRAY SAND	145'
BLUE CLAY	148'
FINE GRAY SAND STKS GRAY CLAY	184'
LIGNITE, PYRITE	187'
E GRAY SAND, STKS LIGNITE PYRITE	192'
LAY, PYRITE, LIGNITE	194'
E GRAY SAND, COARSE GRAY ND, STKS. LIGNITE & PYRITE	206'
SOLID GRAY CLAY	212'
OARSE GRAY SAND, LIGNITE	216'
SOLID LT. GRAY CLAY	222'
ARSE GRAY SAND, LIGNITE, RAY SANDY CLAY	245'
LID GRAY SANDY CLAY	256'
COARSE GRAY SAND	263'
SANDY GRAY CLAY	270'
NE TO COARSE SAND	282'
AY CLAY, LIGNITE, PYRITE	284'
RE, COARSE GRAY SAND S GRIT, LIGNITE, PYRITE	297'
AY SAND, STKS GRAY CLAY	308'
ED. COARSE GRAY SAND STKS. OF GRITS	325'
SAND, GRAY SANDY CLAY	327'
SOLID GRAY CLAY	328'
MED. COARSE SAND TKS. CLAY, LIGNITE	341'
COARSE SAND GRITS	360'
OLID LT. GRAY SANDY CLAY	363'

WELL



MATERIAL

OUTER CASING	286'-3" OF 18" STEEL PIPE
INNER CASING	101'-8" OF 12" STEEL PIPE
RISER	20'-4" OF 12" 304 S.S. BLANK
SCREEN	25'-3" OF 12" COOK SCREEN, W.W., 304 S.S. #50 SLOT 7'-2" OF 12" 304 SS. BLANK 15'-6" OF 12" COOK SCREEN, W.W., 304 S.S. #50 SLOT
SUMP	5'-0" OF 12" S.S. BLANK
GRAVEL	NO DATA

PUMP

1400 GPM @ 224' TDH

TYPE T.L.C.	SHOP NO. 88055
SETTING 104'-8 1/2"	SIZE 12"
SUCTION 9'-10" OF 10"	STAGES 4
BASKET NONE	IMPELLERS BR
DISCHARGE 10"	HEAD TF1018
TUBING NONE	PRESS B.P.
SHAFTING 1 11/16"	AIR LINE 114'-6"

MOTOR

MAKE U.S.	TYPE RU
VOLTS 208	R.P.M. 1775
PHASE 3	FORM V
CYCLE 60	SERIAL 9806246 510-R2124153
AMP. 280	FRAME 404TP
MODEL	H.P. 100

CAP. 1400 GUAR. 1400 GPM

STARTED PUMPED 5-15-80

ACCEPTED 5-15-80

JAMAICA WATER SUPPLY CO.

WELL NO. 60

ELEV. 34.28' BP DATE 8/6/91

By A. L.

Dwg. No.

F-732—1M—3-39

H2M LABS, INC.
575 Broad Hollow Road, Melville, N.Y. 11747
(516)694-3040 FAX:(516)694-4122

LAB NO: 9301992

JAMAICA WATER SUPPLY CO.(N)
410 LAKEVILLE RD.
LAKE SUCCESS, NY 11040

TYPE..... POTABLE WATER
ROUTINE
ORIGIN.... WELL
WELL TYPE. RAW

DATE COLLECTED. 01/15/93
DATE RECEIVED.. 01/15/93
COLLECTED BY... CL99

POINT NO:
LOCATION: WELL 40A

REMARKS: NASSAU

HERBICIDES (METHOD 515.1) - (ug/l)

PARAMETER (S)	RESULT	LIMIT	PARAMETER (S)	RESULT	LIMIT
2,4,-D	<0.2	50			
2,4,5-TP (SILVEX)	<0.05	10			

- Result(s) Reported meet NEW YORK STATE limits for potable water.

COPIES TO:

DATE ISSUED 02/01/93

DATE EXTRACTED. 01/18/93
DATE RUN..... 01/29/93
DATE REPORTED.. 01/29/93

LABORATORY DIRECTOR

ORIGINAL

H2M LABS, INC.

575 Broad Hollow Road, Melville, N.Y. 11747
(516)694-3040 FAX:(516)694-4122

LAB NO: 9301988

JAMAICA WATER SUPPLY CO.(N)
410 LAKEVILLE RD.
LAKE SUCCESS, NY 11040

TYPE..... POTABLE WATER
ROUTINE
ORIGIN.... WELL
WELL TYPE. RAW

DATE COLLECTED. 01/15/93
DATE RECEIVED.. 01/15/93
COLLECTED BY... CL99

POINT NO:
LOCATION: WELL 20

REMARKS: NASSAU

VOLATILE ORGANICS (METHOD 502.2) - (ug/l)

PARAMETER (S)	RESULT	LIMIT
DICHLORODIFLUOROMETHANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0
BROMOMETHANE	<0.5	5.0
CHLOROETHANE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0
CHLOROFORM	<0.5	100
1,1,1-TRICHLOROETHANE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0
TRICHLOROETHENE	0.7	5.0
1,2-DICHLOROPROPANE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	100
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0
TETRACHLOROETHENE -	*20	5.0
1,3-DICHLOROPROPANE	<0.5	5.0
CHLORODIBROMOMETHANE	<0.5	100
CHLOROBENZENE	<0.5	5.0
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0
BROMOFORM	<0.5	100
BROMOBENZENE	<0.5	5.0
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0
1,2,3-TRICHLOROPROPANE	<0.5	5.0
O-CHLOROTOLUENE	<0.5	5.0
P-CHLOROTOLUENE	<0.5	5.0
M-DICHLOROBENZENE	<0.5	5.0
P-DICHLOROBENZENE	<0.5	5.0
O-DICHLOROBENZENE	<0.5	5.0
1,2,4-TRICHLOROBENZENE	<0.5	5.0
HEXACHLOROBUTADIENE	<0.5	5.0
1,2,3-TRICHLOROBENZENE	<0.5	5.0
BENZENE	<0.5	5.0
TOLUENE	<0.5	5.0
ETHYLBENZENE	<0.5	5.0
1,3-XYLENE	<0.5	5.0
1,4-XYLENE	<0.5	5.0
1,2-XYLENE	<0.5	5.0
STYRENE	<0.5	5.0
ISOPROPYLBENZENE (CUMENE)	<0.5	5.0
N-PROPYLBENZENE	<0.5	5.0
1,3,5-TRIMETHYLBENZENE	<0.5	5.0
TERT-BUTYLBENZENE	<0.5	5.0
1,2,4-TRIMETHYLBENZENE	<0.5	5.0
SEC-BUTYLBENZENE	<0.5	5.0
P-ISOPROPYLTOLUENE	<0.5	5.0
N-BUTYLBENZENE	<0.5	5.0
NAPHTHALENE	<0.5	5.0
TOTAL TRIHALOMETHANES	<0.5	100

- Result(s) marked * exceed NEW YORK STATE limits for potable water.

COPIES TO:

DATE ISSUED 02/01/93

DATE RUN..... 01/20/93
DATE REPORTED.. 01/22/93

LABORATORY DIRECTOR

ORIGINAL

H2M LABS, INC.

575 Broad Hollow Road, Melville, N.Y. 11747
(516)694-3040 FAX:(516)694-4122

LAB NO: 9301988

JAMAICA WATER SUPPLY CO.(N)
410 LAKEVILLE RD.
LAKE SUCCESS, NY 11040

TYPE..... POTABLE WATER
ROUTINE
ORIGIN.... WELL
WELL TYPE. RAW

DATE COLLECTED. 01/15/93
DATE RECEIVED.. 01/15/93
COLLECTED BY... CL99

POINT NO:
LOCATION: WELL 20

REMARKS: NASSAU

VOLATILE ORGANICS (METHOD 504) - (ug/l)

PARAMETER (S)	RESULT	LIMIT	PARAMETER (S)	RESULT	LIMIT
ETHYLENE DIBROMIDE	<0.02	5			
DIBROMOCHLOROPROPANE	<0.02	5			

- Result(s) Reported meet NEW YORK STATE limits for potable water.

COPIES TO:

DATE ISSUED 02/01/93

DATE EXTRACTED. 01/19/93
DATE RUN..... 01/20/93
DATE REPORTED.. 01/22/93

LABORATORY DIRECTOR

ORIGINAL

H2M LABS, INC.

575 Broad Hollow Road, Melville, N.Y. 11747
(516)694-3040 FAX:(516)694-4122

LAB NO: 9301988

JAMAICA WATER SUPPLY CO.(N)
410 LAKEVILLE RD.
LAKE SUCCESS, NY 11040

TYPE..... POTABLE WATER
ROUTINE
ORIGIN.... WELL
WELL TYPE. RAW

DATE COLLECTED. 01/15/93
DATE RECEIVED.. 01/15/93
COLLECTED BY... CL99

POINT NO:
LOCATION: WELL 20

REMARKS: NASSAU

PESTICIDES (METHOD 505) - (ug/l)

PARAMETER (S)	RESULT	LIMIT	PARAMETER (S)	RESULT	LIMIT
LINDANE	<0.3	4			
HEPTACHLOR	<0.3	50			
ALDRIN	<0.3	50			
HEPTACHLOR EPOXIDE	<0.3	50			
DIELDRIN	<0.6	50			
ENDRIN	<0.15	0.2			
P,P'DDT	<0.6	50			
METHOXYCHLOR	<3.0	50			
TOXAPHENE	<3	5			
CHLORDANE	<3	50			
O,P DDT	<0.6	50			

- Result(s) Reported meet NEW YORK STATE limits for potable water.

COPIES TO:

DATE ISSUED 02/01/93

DATE EXTRACTED. 01/19/93
DATE RUN..... 01/23/93
DATE REPORTED.. 01/26/93

LABORATORY DIRECTOR

ORIGINAL

HZM LABS, INC.
575 Broad Hollow Road, Melville, N.Y. 11747
(516)694-3040 FAX:(516)694-4122

LAB NO: 9301988

JAMAICA WATER SUPPLY CO.(N)
410 LAKEVILLE RD.
LAKE SUCCESS, NY 11040

TYPE..... POTABLE WATER
ROUTINE
ORIGIN.... WELL
WELL TYPE. RAW

DATE COLLECTED. 01/15/93
DATE RECEIVED.. 01/15/93
COLLECTED BY... CL99

POINT NO:
LOCATION: WELL 20

REMARKS: NASSAU

HERBICIDES (METHOD 515.1) - (ug/l)

PARAMETER (S)	RESULT	LIMIT	PARAMETER (S)	RESULT	LIMIT
2,4,-D	<0.2	50			
2,4,5-TP (SILVEX)	<0.05	10			

- Result(s) Reported meet NEW YORK STATE limits for potable water.

COPIES TO:

DATE ISSUED 02/01/93

DATE EXTRACTED. 01/18/93
DATE RUN..... 01/29/93
DATE REPORTED.. 01/29/93

LABORATORY DIRECTOR

ORIGINAL

ZM LABS, INC.
575 Broad Hollow Road, Melville, N.Y. 11747
(516)694-3040 FAX:(516)694-4122

LAB NO: 9208192

JAMAICA WATER SUPPLY CO.(Q)
410 LAKEVILLE RD.
LAKE SUCCESS, NY 11040

TYPE..... POTABLE WATER
ROUTINE
ORIGIN.... WELL
WELL TYPE. RAW

DATE COLLECTED. 03/16/92
DATE RECEIVED.. 03/16/92
COLLECTED BY... CL99

POINT NO:
LOCATION: 39 TO WASTE

REMARKS: QUEENS

VOLATILE ORGANICS (METHOD 502.2) - (ug/l)

PARAMETER (S)	RESULT	LIMIT	PARAMETER (S)	RESULT	LIMIT
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	O-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	P-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	1.1	100	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE (CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	100	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	NAPHTHALENE	<0.5	5.0
TETRACHLOROETHENE	*8.1	5.0	TOTAL TRIHALOMETHANES	1.1	100
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	100			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	100			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

1 - Result(s) marked * exceed NEW YORK STATE limits for potable water.

COPIES TO:

DATE ISSUED 04/02/92

DATE RUN..... 03/16/92
DATE REPORTED.. 03/18/92

LABORATORY DIRECTOR

ORIGINAL

[redacted]ble 6. **Household, Family, and Group Quarters Characteristics: 1990**

definitions of terms and meanings of symbols, see text]

[redacted] ce and (In Selected ates) County bdivision	Persons in households	All households	Family households: Total	Family households: Married-couple family	Family households: Female householder, no husband present	Nonfamily households: Total	Householder living alone: Total	65 years and over: Total	65 years and over: Female	Persons per— Household	Persons per— Family	Persons in group quarters: Total	Persons in group quarters: Institutionalized persons	Persons in group quarters: Other persons in group quarters
The State	17 445 190	6 639 322	4 489 312	3 315 845	919 266	2 150 010	1 806 263	700 016	544 755	2.63	3.22	545 265	267 122	278 143
[redacted]NTY														
[redacted] County	278 399	115 824	71 455	54 534	13 355	44 369	35 050	13 559	10 777	2.40	3.04	14 195	4 286	9 909
[redacted]y County	45 639	17 011	12 318	10 231	1 466	4 693	3 943	1 927	1 478	2.68	3.15	4 831	398	4 433
[redacted] County	1 163 368	424 112	288 609	146 234	118 610	135 503	119 218	46 431	35 780	2.74	3.35	40 421	28 534	11 887
...ne County	204 344	81 843	54 819	44 163	8 183	27 024	22 037	9 065	7 203	2.50	3.05	7 916	3 420	4 396
...raugus County	80 833	30 456	21 657	17 395	3 228	8 799	7 543	3 651	2 789	2.65	3.18	3 401	1 035	2 366
...ga County	77 968	29 075	20 927	16 660	3 127	8 148	6 874	3 418	2 680	2.68	3.19	4 345	3 955	390
[redacted]uqua County	136 558	53 696	37 203	29 942	5 506	16 493	14 035	6 849	5 459	2.54	3.07	5 337	2 557	2 780
[redacted]ng County	90 460	35 275	24 808	19 646	4 058	10 467	8 992	4 387	3 505	2.56	3.08	4 735	3 788	947
[redacted]go County	50 896	19 141	13 821	11 438	1 670	5 320	4 451	2 085	1 602	2.66	3.14	972	840	32
[redacted] County	77 971	29 123	20 839	17 279	2 594	8 284	6 429	2 626	2 111	2.68	3.14	7 998	4 282	3 716
...nia County	60 884	23 696	16 882	13 658	2 339	6 814	5 689	2 759	2 078	2.57	3.04	2 098	1 825	273
...nd County	45 664	17 247	11 799	9 461	1 681	5 448	4 070	1 860	1 513	2.65	3.13	3 299	510	2 789
[redacted]re County	45 233	17 646	12 374	10 224	1 552	5 272	4 458	2 308	1 746	2.56	3.07	1 992	660	1 332
[redacted]s County	240 984	89 567	64 757	53 635	8 353	24 810	19 884	7 705	6 051	2.69	3.18	18 478	11 475	7 003
[redacted]nty	944 115	376 994	254 472	192 646	49 968	122 522	105 083	45 370	35 665	2.50	3.09	24 417	13 138	11 279
[redacted]ounty	34 824	13 721	9 498	7 805	1 204	4 223	3 520	1 582	1 280	2.54	3.07	2 328	2 223	105
...a County	42 549	16 284	11 265	8 976	1 677	5 019	4 197	2 064	1 612	2.61	3.16	3 991	3 012	979
County	53 276	20 995	14 602	11 601	2 242	6 393	5 412	2 894	2 281	2.54	3.05	915	700	215
...ee County	58 858	21 614	16 050	13 269	2 054	5 564	4 671	2 312	1 840	2.72	3.19	1 202	800	402
[redacted] County	42 080	16 596	11 642	9 465	1 612	4 954	4 245	2 033	1 488	2.54	3.05	2 659	2 474	185
[redacted]n County	5 197	2 153	1 508	1 266	170	645	550	241	172	2.41	2.89	92	82	-
[redacted]r County	64 636	24 936	17 576	14 347	2 369	7 360	6 246	3 402	2 594	2.59	3.11	1 161	840	321
[redacted]on County	103 614	37 851	28 163	23 155	3 680	9 688	9 005	3 772	2 996	2.74	3.19	7 329	2 589	4 740
County	2 266 401	828 199	555 284	335 295	177 871	272 915	236 977	92 972	71 504	2.74	3.40	34 263	16 651	17 612
County	26 475	9 253	7 056	5 795	744	2 197	1 989	764	728	2.86	3.32	321	307	14
...ton County	56 777	21 197	15 178	12 558	1 896	6 019	4 643	2 043	1 610	2.68	3.14	5 595	2 212	3 383
[redacted] County	64 006	23 567	17 162	14 137	2 176	6 405	5 050	2 326	1 308	2.72	3.17	5 114	776	4 338
[redacted] County	691 387	271 944	182 813	140 622	34 008	89 131	71 166	25 702	20 400	2.54	3.11	22 581	8 405	14 176
[redacted]ery County	50 956	20 185	14 028	11 058	2 202	6 157	5 432	3 081	2 408	2.52	3.06	1 025	960	65
County	1 266 740	431 515	344 502	286 638	43 950	87 013	73 804	35 544	28 221	2.94	3.30	20 608	9 799	10 809
York County	1 428 973	716 422	301 041	187 016	92 055	415 381	340 134	87 139	64 439	1.99	2.99	58 563	13 988	44 575
...ra County	216 912	84 809	59 732	47 221	9 822	25 077	22 119	10 080	7 797	2.56	3.10	3 844	2 358	1 486
[redacted]ounty	236 328	92 562	63 735	50 430	10 385	28 827	24 950	11 640	9 110	2.55	3.12	14 508	9 522	4 986
[redacted]o County	453 012	177 898	118 575	91 978	21 081	59 323	47 047	18 082	14 374	2.55	3.12	15 961	5 859	10 102
[redacted]County	92 094	34 929	25 143	20 792	3 210	9 786	7 716	3 414	2 675	2.64	3.10	3 007	1 497	1 510
...County	293 491	101 506	77 111	63 207	10 401	24 395	19 975	8 404	6 611	2.89	3.35	14 156	6 211	7 945
...s County	39 588	14 428	10 685	8 608	1 484	3 743	3 119	1 482	1 146	2.74	3.20	2 258	2 053	205
...go County	116 928	42 434	30 905	25 013	4 231	11 529	9 150	4 027	3 158	2.76	3.22	4 843	899	3 944
[redacted]ounty	55 592	21 725	14 760	12 258	1 795	6 957	5 414	2 679	2 056	2.56	3.06	4 925	746	4 179
[redacted]ounty	82 838	28 094	22 549	19 675	2 028	5 545	4 410	1 594	1 202	2.95	3.32	1 103	299	804
[redacted]ounty	1 924 375	720 149	490 915	351 675	102 674	229 234	196 008	82 433	65 305	2.67	3.25	27 223	18 938	8 285
...aer County	148 564	57 612	39 356	30 925	6 446	18 256	14 715	6 211	4 881	2.58	3.13	5 865	1 538	4 327
...ond County	371 574	130 519	99 059	78 198	16 249	31 460	27 314	10 516	8 305	2.85	3.33	7 403	5 222	2 181
...nd County	257 325	84 874	66 583	55 520	8 357	18 291	15 067	6 038	4 838	3.03	3.46	8 150	4 994	3 156
[redacted]ence County	101 384	37 964	26 784	21 809	3 663	11 180	8 924	4 223	3 303	2.67	3.16	10 590	3 232	7 358
[redacted] County	177 151	66 425	48 363	40 835	5 597	18 062	14 204	5 263	4 073	2.67	3.14	4 125	2 224	1 901
[redacted]dy County	144 981	59 181	39 702	31 284	5 556	19 479	16 611	7 649	6 063	2.45	3.01	4 304	2 201	2 103
[redacted] County	29 759	11 257	9 127	6 705	1 016	3 130	2 522	1 249	916	2.64	3.10	2 100	450	1 650
...r County	18 176	6 818	5 025	4 140	618	1 793	1 471	753	571	2.67	3.11	486	474	12
...County	32 452	12 285	8 998	7 421	1 156	3 287	2 708	1 296	781	2.64	3.09	1 231	670	561
[redacted]County	97 128	37 299	26 447	21 446	3 615	10 852	9 194	4 286	3 374	2.60	3.11	1 960	1 690	270
[redacted]ounty	1 292 470	424 719	340 593	282 081	44 113	84 126	67 834	29 961	23 450	3.04	3.40	29 394	6 882	22 512
[redacted]ounty	63 858	24 576	17 090	13 848	2 344	7 486	6 216	2 716	2 095	2.60	3.13	5 419	2 829	2 590
[redacted]ty	51 974	18 838	14 470	12 192	1 540	4 368	3 670	1 594	1 252	2.76	3.17	363	318	45
...s County	82 093	33 338	19 049	15 488	2 661	14 289	9 066	2 608	2 105	2.46	2.98	12 304	348	11 956
County	156 774	60 807	42 213	33 839	6 186	18 594	14 799	5 988	4 628	2.58	3.09	8 530	3 653	4 877
...County	58 122	22 559	15 788	12 740	2 254	6 771	5 519	2 591	2 070	2.58	3.09	887	313	574
[redacted]n County	55 682	20 256	15 023	12 218	2 032	5 233	4 295	2 160	1 649	2.75	3.21	3 648	3 519	129
[redacted]nty	87 841	31 977	23 961	19 787	3 046	8 016	6 443	2 748	2 354	2.75	3.17	1 282	962	320
[redacted]r County	845 770	320 030	227 827	180 205	37 133	92 203	79 330	33 373	26 725	2.64	3.16	27 696	15 022	12 674
[redacted]County	38 731	13 897	10 528	8 857	1 175	3 369	2 847	1 391	1 088	2.79	3.23	3 776	3 709	67
...ounty	22 158	8 419	6 100	5 111	698	2 319	1 909	996	782	2.63	3.09	652	269	383
AND COUNTY SUBDIVISION														
[redacted]ge, Jefferson County	1 742	726	469	379	78	257	231	131	112	2.40	3.04	11	11	-
[redacted]n, Jefferson County	4 966	1 839	1 335	1 115	177	504	424	220	183	2.70	3.20	11	11	-
[redacted]ter CDP, Jefferson County	1 675	591	455	378	54	136	102	45	36	2.83	3.22	-	-	-
[redacted]village, Steuben County	1 842	711	505	378	94	206	171	106	87	2.59	3.05	-	-	-
... town, Steuben County	2 645	995	730	556	127	265	215	118	97	2.66	3.08	-	-	-
village, Chenango County	838	337	238	207	26	99	96	52	38	2.49	3.01	-	-	-
[redacted]town, Chenango County	2 972	1 092	814	670	98	278	219	108	91	2.72	3.13	-	-	-
[redacted]P, Rockland County	7 540	2 282	2 042	1 817	169	240	196	97	77	3.30	3.51	295	216	79
[redacted]e, Erie County	2 895	1 185	790	521	137	395	350	224	176	2.44	3.04	11	-	11
[redacted]wn, Genesee County	1 998	678	545	468	48	133	118	59	42	2.95	3.30	-	-	-
...ity, Albany County	91 450	42 121	20 308	12 695	6 193	21 813	16 239	5 659	4 481	2.17	2.94	9 624	2 338	7 286
...an CDP, Nassau County	5 166	1 808	1 484	1 261	153	324	291	177	150	2.86	3.21	-	-	-
...village, Orleans County	5 710	2 317	1 504	1 061	347	813	704	350	284	2.46	3.06	153	121	32
[redacted] Orleans County	6 259	2 394	1 625	1 211	316	769	659	319	249	2.61	3.19	1 919	1 887	32
[redacted] Oswego County	2 028	638	528	442	54	110	81	26	12	3.18	3.45	5	5	-
[redacted]e, Erie County	2 443	955	567	458	77	388	351	134	103	2.56	3.13	14	-	14
...on, Erie County	8 587	2 991	2 411	2 100	226	580	491	259	200	2.87	3.25	85	71	14
...er village, Genesee County	445	150	123	102	2	27	23	4	3	2.97	3.28	-	-	-
...der town, Genesee County	2 233	742	621	543	47	121	99	41	33	3.01	3.28	-	-	-
[redacted]town, Jefferson County	3 899	1 505	1 091	878	133	414	345	186	139	2.59	3.05	50	21	29
[redacted]Bay village, Jefferson County	1 154	504	309	222	64	195	171	95	76	2.29	2.94	40	21	19
[redacted]e, Allegany County	1 055	487	191	177	12	296	197	59	52	2.17	2.81	3 504	-	3 504
...n, Allegany County	2 287	958	517	460	36	441	308	97	76	2.39	3.02	3 504	-	3 504
...village, Cattaraugus County	1 944	754	459	383	57	295	193	114	91	2.58	3.06	36	36	-
...y town, Cattaraugus County	6 410	2 399	1 720	1 464	196	679	520	266	209	2.67	3.12	1 917	36	1 881
[redacted]ervation, Cattaraugus County	1 139	419	289	187	32	130	107	44	31	2.72	3.30	4	-	4
[redacted] Allegany County	406	137	99	79	5	38	26	4	3	2.96	3.40	-	-	-
[redacted] Allegany County	338	293	240	210	[illegible]	53	45	13	[illegible]	2.36	3.61	3	3	-
...ages	458	185	133	108	22	52	47	27	21	2.48	3.00	-	-	•
...Allegany County	442	175	128	103	22	47	43	25	20	2.53	3.34	-	-	-
...ega County	16	10	5	5	-	5	4	2	[illegible]	1.60	2.00	-	-	-

REFERENCE NO. 25

Press RETURN key to continue ...

CENSUS DATA

ENTON AVENUE LANDFILL
ATITUDE 40:44:48 LONGITUDE 73:40:30 1990 POPULATION

M	0.00-.410	.410-.810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	SECTOR TOTALS
1	0	0	3840	3673	5671	13527	26711
2	0	0	3375	14917	15220	10153	43665
3	0	1440	2126	9857	10264	22909	46596
4	0	1182	3001	11442	22095	36486	74206
5	0	1116	2417	16053	33693	34820	88099
6	0	821	2846	5587	17356	29862	56472
ING TALS	0	4559	17605	61529	104299	147757	335749

ress RETURN key to continue ...
lt-Z FOR HELP| IBM PC | FDX | 2400 E71 | LOG CLOSED | PRINT OFF | ON-LINE

REFERENCE NO. 26

New York State Department of Environmental Conservation

Wildlife Resources Center
Delmar, New York 12054-9767

Thomas C. Jorling
Commissioner

April 10, 1989

Mr. Brian Dietz
NUS Corporation
1090 King Georges Post Road, Suite 1103
Edison, New Jersey 08837

Dear Mr. Dietz:

We have reviewed the Significant Habitat Program and the Natural Heritage Program files with respect to the Denton Landfill site in New Hyde Park, Nassau County, N.Y.

We did not identify any potential impacts on endangered, threatened, or special concern wildlife species, rare plant, animal or natural community occurrences, or other significant habitats.

The absence of data does not necessarily mean that rare or endangered elements, natural communities or other significant habitats do not exist on or adjacent to the proposed site, but rather that our files currently do not contain any information which indicates the presence of these. Our files are continually growing as new habitats and occurrences of rare species and communities are discovered. In most cases, site-specific or comprehensive surveys for plant and animal occurrences have not been conducted. For these reasons, we cannot provide a definitive statement on the presence or absence of species, habitats or communities. This information should not be substituted for on-site surveys that may be required for environmental assessment.

If this proposed project is still active one year from now we recommend that you contact us again so that we can update this response.

If we can be of further assistance please do not hesitate to contact us.

Sincerely,

Lawrence Brown

Lawrence Brown
Significant Habitat Unit

cc: H. Knoch, Reg. 1

New York Natural Heritage Program is supported in part by The Nature Conservancy

REFERENCE NO. 27

MAY 15 1989

Mr. John F. Delaney
Town Attorney
Town of North Hempstead
Town Hall
Manhasset, N.Y. 11030

Dear Mr. Delaney:

During our meeting on May 8, 1989 you asked that we confirm the status of a planned New York State Department of Environmental Conservation (DEC) Phase II study at the Denton Avenue Landfill in New Hyde Park. Since EPA is planing a Site Investigation (SI) in the near future you wanted assurance of coordination between EPA and DEC regarding this site. You provided EPA with copies of correspondence between the Town and DEC and asked EPA to verify the need for and the scheduling of the EPA SI and the DEC Phase II study. You also asked for confirmation as to how waste from sampling would be handled and wanted to know the status of our response to a Freedom of Information Request you submitted for information on this site.

I contacted Larry Alden, a DEC engineer responsible for pre-remedial work in eastern New York State, on May 9, 1989 and obtained the following information.

DEC has reviewed the Phase I study, prepared by their contractor, and concluded that a Phase II study is necessary. They do not agree with the contractor's conclusion that; "It is recommended that the next step of the site investigation involve the evaluation of the horizontal and vertical extent of the groundwater contamination. This is beyond the scope of a Phase II study, and therefore, performance of a Phase II study is not recommended for this site." It is up to DEC to determine what must be done to characterize a site. They believe it is premature, at this time, to embark upon a more extensive and expensive study than the Phase II study, as recommended by the contractor.

DEC had tentatively scheduled a Phase II study for 1990, at the earliest. However, since EPA is conducting an SI, DEC will place the Phase II study on hold and determine the need for performing the Phase II study based upon the results of our SI. One of the following scenarios will likely occur upon completion of the EPA SI:

A determination is made that no further action is needed. This would be followed by deleting the site from the state inventory. EPA would enter the "no further action required" determination into EPA's site inventory.

The EPA SI provides sufficient information to classify the site as a hazardous waste site. This could be followed by a referral to DEC remedial action staff to plan a remedial action at the site. Alternatively, EPA may decide that conditions at the site warrant further EPA study as a prelude to possible listing of the site on the National Priority List.

The EPA SI provides an inadequate basis for DEC to make a determination whether or not this is a hazardous waste site. This would be followed by further studies by DEC to gather additional information necessary to make the required determination (i.e. a Phase II investigation). As we mentioned at our meeting EPA and DEC have parallel jurisdictions. Although we generally accept the results of DEC Phase II investigations and DEC generally accepts the results of our SIs it is possible that in a particular instance each party may decide that sufficient information for its purposes has not been gathered.

Let me assure you that EPA and DEC will closely coordinate our activities to ensure that we do not duplicate efforts and to ensure that the site is adequately investigated and addressed. DEC was notified of EPA's plan to undertake a SI at this site (and a number of others in New York State) by a letter from Vincent Pitruzzello, of EPA, to Charles N. Goddard, of DEC, on October 27, 1987. Walter Demick of DEC replied to Carole Petersen of EPA confirming the planned inspections on December 16, 1987. Enclosed as requested is a copy of EPA's review of the Phase I study and our reassessment of the DEC Phase I study. It concludes that a SI is recommended.

With respect to waste water generated by baleing the wells during sampling we will have our contractor arrange to remove the drummed waste from the site immediately after sampling.

I have located the Freedom of Information Request. It is being responded to under separate cover as an official response to the Freedom of Information Request is necessary. Please contact me at (212-264-8677) if you have any further questions or Diane Trube of NUS at (201-225-6160) to make arrangements for the sampling.

Sincerely:

Dennis Santella, Chief
Pre-remedial and Technical Support Section

Attachments

cc: Vincent Pitruzzello, PSB
Diane Trube, NUS
Larry Alden, NYSDEC
Amy Brochu, GS:SM
Alice M. McCarthy, NYSDEC, Region 3
Jeff Gaal, PSB:TPSS

NYD981156919

PRELIMINARY ASSESSMENT REVIEW FORM

SITE NAME: Denton Avenue Landfill
ALIASES:
ADDRESS: Denton and Hillside Aves, New Hyde Park, N.Y. 11040
CITY: New Hyde Park
COUNTY: Nassau
STATE: New York
PRIORITY RATING GIVEN:
(BY STATE OR CONTRACTOR)

AGREE:
DISAGREE:
(CHECK ONE)

IF DISAGREE, WHY?

OTHER COMMENTS: Site Status: Inactive (since 1966)
Site Description: Located in a densely populated urban area. Upon closure of the landfill a clayey fill material was applied to 90% of the site. Soon after, methane gas was migrating into nearby homes. Vent pipes were sunk into the ground to alleviate the problem. In 1982 methane was found only to exist in the ground. In 1982 five groundwater monitoring wells were installed downgradient of the site. Sampling revealed elevated concentrations of ammonia, dimethylnaphthalene, and several phthalates. A plume of groundwater contaminated by [illegible] and lead migrated at least 2000 ft downgradient of the landfill. Groundwater is a source of drinking water for a population of 339,964 within a 3 mile radius of the site.

RECOMMENDATIONS: FINAL (BY EPA)

[illegible] groundwater [illegible]
investigation should be conducted to determine the extent of the groundwater contamination.

REVIEWER: Cindy Flaherty
[illegible]/9/87

PA REASSESSMENT COVER SHEET

FACILITY NAME : Denton Avenue Landfill

EPA I.D. # :

ORIGINAL PRIORITY : ?

REVIEWED BY : JEFF GAAL

REASSESSED PRIORITY : Medium Priority

COMMENTS : Recommended for SI - Both Pre & Post Scores above 250, approximately 39,000 people drinking water from within 3 miles of the site. Site is an unlined - unmonitored closed (since late 60's) landfill. Southern [illegible] GW sampling performed in 1982 has revealed elevated concentrations of ammonia, lead, iron & methylnaphthalene and several phthalates

PREPARER : JEFF GAAL DATE : 4-14-89

REFERENCE NO. 28

New York State Department of Environmental Conservation
Building 40—SUNY, Stony Brook, New York 11790-2356
Telephone: (516) 751-2617
Facsimile: (516) 751-3839

Thomas C. Jorling
Commissioner

May 27, 1992

Mr. Paul Roth
Commissioner
Town of North Hempstead
Solid Waste Management Authority
220 Plandome Road
Manhasset, N.Y. 11030

Dear Mr. Roth:

This responds to your inquiry regarding the Department's position on future regulation of the Denton Avenue Landfill. In a December 11, 1991 letter, the NYSDEC, Division of Hazardous Waste Remediation, notified the Town of North Hempstead of the deletion of the Denton Avenue Landfill from the Registry of Inactive Hazardous Waste Disposal Sites. The delisting has remanded this site to Division of Solid Waste for appropriate action.

The Division of Solid Waste, after a review of the case file, finds that the three-four foot thick layer of clay placed as a final cover in 1974, satisfactorily met the closure requirement in existence at that time. Therefore, NYSDEC finds the Denton Avenue Landfill closure acceptable. However, we reserve the right to require additional investigations and/or remediation of the site in the future, if conditions warrant.

The Department understands the Town intends to sell this property for the purpose of development. The Town is strongly advised to require that the plans for any development of this property be reviewed and certified by a Professional Engineer with expertise in landfill design and closure. The design of any structure should include provisions to control methane gas migration. In addition, the integrity of the cap must be maintained or, if the cap is disturbed during construction, the cap must be replaced with an equivalent system to minimize leachate and control odors.

Should you have any questions, please feel free to contact me at the above number.

Sincerely,

Robert J. Mitrey, P.E.
Regional Solid Waste Engineer

RJM:MM:amp

REFERENCE NO. 29

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233

Thomas C. Jorling
Commissioner

JAN 3 1992

Ellen Markowski
Town of North Hempstead
220 Plandome Road
Manhasset, New York 11030

Dear Ms. Markowski:

Re: DEC Site No.: 130008
Site Name: Denton Avenue Landfills
Site Address: Denton and Hillside Avenue
New Hyde Park, New York 11040

As mandated by Section 27-1305 of the Environmental Conservation Law, the New York State Department of Environmental Conservation (NYSDEC) must maintain a registry of all disposal sites suspected or known to contain hazardous wastes. It is this Department's procedure to notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part-owner of the above-referenced site. Based on the information that has been gathered to date, the NYSDEC has not identified any hazardous wastes at this site. Therefore, this letter constitutes notification of deletion of such site from the Registry of Inactive Hazardous Waste Disposal Sites in New York State. This site will not appear in future registries, unless information is brought to our attention which justifies relisting the site.

If you have any further questions, please contact Mr. Robert L. Marino, Chief, Site Control Section, Bureau of Hazardous Site Control at (518) 457-0747.

Sincerely,

Earl H. Barcomb, P.E.
Director
Bureau of Hazardous Site Control
Division of Hazardous Waste Remediation

1992 JAN -9 AM 10:21

Name: Denton Ave. Landfill
LOG #: 3213

REFERENCE NO. 30

ATSDR Record of Activity

ROUTING:
H. Emmett E. Skowronski
D. Barry A. Susten
FILE

UID #: LXW2 Date: 7/6/92 Time: 9:00 am X pm _

Site Name: Denton Ave Landfill City: New Hyde Park Cnty: Nassau
State: NY

CERCLIS #: NYD981186919 Cost Recovery #: 2#NY Region: II

Site Status (1) _ NPL X Non-NPL _ RCRA _ Non-Site specific _ Federal
(2) _ Emergency Response _ Remedial _ Other:

Activities

_ Incoming Call
_ Outgoing Call
_ Conference Call
X Incoming Mail
_ Public Meeting
_ Other Meeting
X Data Review
_ Other
X Health Consult*
_ Health Referral
_ Written Response
_ Site Visit
_ Info Provided
_ Training

Requestor and Affiliation: (12) [redacted]
Phone: @ Address:
City: State: __ Zip Code: @

Contacts and Affiliation

(31) Artie Block, Sr. Rep. Region II ( )
( ) ( )

1-EPA
2-USCG
3-OTHER FED
4-STATE ENV
5-STATE HLT
6-COUNTY HLTH
7-CITY HLTH
8-HOSPITAL
9-LAW ENFORCE
10-FIRE DEPT
11-POISON CTR
12-PRIV CITZ
13-OTHER
14-UNKNOWN
15-DOD
16-DOE
17-NOAA
18-OTHR STATE
19-OTHR COUNTY
20-OTHR CITY
21-INTL
22-CITZ GROUP
23-ELECT. OFF
24-PRIV. CO
25-NEWS MEDIA
26-ARMY
27-NAVY
28-AIR FORCE
29-DEF LOG AGCY
30-NRC
31-ATSDR

Program Areas

_ Health Assessment
_ Petition Assessment
_ Emergency Response
X Health Consultation
_ Health Studies
_ Health Surveilnc
_ Disease Registry
_ Exposr Registry
_ Tox Info-profile
_ Tox Info-Nonprofil
_ Subst-Spec Resch
_ Health Education
_ Worker Hlth
_ Admin
_ Other

Narrative Summary: ATSDR was requested to review excerpts from the EPA's September 20, 1989 "Final Draft Site Inspection Report, Denton Avenue Landfill, New Hyde Park, New York," and to comment on 1) the threat to public health posed by the presence of contaminants and 2) the appropriateness of commercial development on the landfill (as far as protectiveness of public health).

The inactive, unlined landfill is divided into two parts (north and south section, separated by a recharge basin) and encompasses approximately 54 acres. Both sections were sand and gravel p[illegible] r to being used as landfills. The southern portion operated b[illegible] 1953 and 1963; the northern portion was used between 1963 throu[illegible]

1974. They were used for the disposal of municipal wastes and incinerator ash (municipal waste burned at the site). Methane generation from the northern landfill section has been a problem since its closure. Methane ventilation systems were installed in the mid-70's.

Beginning in 1977, the southern portion of the landfill has been developed into a municipal park and recreation center (baseball fields, stadium, tennis courts, physical activities center). A boy's club building and a golf driving range have been constructed on the northern landfill. Historically, methane generation and fires have been a problem.

Generation of approximately 36,000 gallons of leachate per day was estimated (1989) from both landfills. This material reportedly migrates into the adjacent recharge basin. The basin serves to replenish the local groundwater supply. Municipal wells in the area rely on groundwater. The area aquifer is included in a EPA-designated sole source aquifer system. Approximately 54,000 people receive potable water from municipal wells that are located within 2,000 feet of the site. The nearest potable well is located 125 feet south of the site and, along with other area wells, serves 33,000 to 130,000 people.

In 1989, approximately 390,000 people resided within four miles of the site. The site map indicates that residential and commercial areas are adjacent to this landfill. Two schools appear to be located adjacent to the landfill as well. When the northern landfill was first closed, methane problems in residential basements were reported. In an effort to combat this problem, vents were installed in the affected homes. No other information was provided to determine if this situation has been resolved or permanently corrected.

Surface soil, surface water, sediment, groundwater, and air have been sampled at the site (1989). Surface soil samples indicate the presence of low levels (ppb to low ppm) of contaminants on-site. Surface water and sediment samples indicated low levels (high ppb) of metals. One sediment sample also detected PCBs at 210 ppb. Groundwater samples (municipal wells and monitoring wells) revealed iron (363 ppm), lead (337 ppb), chromium (404 ppb), TCE (8 ppb), and PCE (640 ppb). VOC contamination is reportedly due to the area dry cleaning businesses, and chlorinated hydrocarbons are known to be present throughout the aquifer of concern in this area of Nassau County. No information was provided to substantiate this claim.

Finally real-time air monitoring was conducted on the site in 1989, using a photo ionization detector (PID) and a flame ionization detector (FID). The PID detected material close to the ground near vent pipes on the northern portion of the landfill and in and excavation area on the southern portion of the landfill. FID readings detected volatile material from 800 to 1,000 units above background inside monitoring well casings on the eastern edge of the landfill;

readings up to 30 units above background were detected on the northern portion of the landfill near the ground east of a vent pipe; and a reading greater than 1,000 units above background was found at the ground surface between the northern landfill and the recharge basin.

No recent air sampling has been performed on the landfill to determine if other contaminants are present with the methane gas. In addition, the information reviewed did not indicate that any of the on-site buildings--especially the boy's club, or surrounding businesses and homes have been routinely monitored for methane or ever sampled for other organics that may be present.

Action Required/Recommendations/Info Provided:

As the landfills were covered as part of closure, it is not expected that surface soil would contain landfill-related contaminants. Levels of contaminants detected in the 1989 sampling did not indicate a health concern.

Surface water runoff from the northern portion of the landfill towards the recharge basin contained levels of metals that, although they do not pose a direct contact threat, may pose a threat to public health if they enter the aquifer used by municipal water suppliers.

Groundwater results indicate that lead may be at levels of health concern, depending on the municipal water supplies' sampling and water treatment capabilities.

But by far the biggest, most immediate threat is the methane and organics that may be migrating from the landfill into the ambient air and into enclosed spaces (buildings). Ambient and indoor air sampling should be conducted as soon as possible. The need to assess the current fire and explosion threat caused by the potential for methane buildup inside the on-site and nearby buildings is of utmost importance. The need to assess if organics harmful to human health could be migrating from the landfill with the methane should also be assessed quickly.

Any additional development of the landfill property should cease until the site has been better characterized and has been determined to be safe for the public.

Signature: Kevin C Wilder Date: 8/11/92

Concurrence: [illegible] Date: 8/11/92

Enclosures: Yes ( ) No (X); MIS entered: Yes (X) No ( )

cc: E. Skowronski (ERCB)
A. Block (ATSDR Region II)
G. Ulirsch (RPB, NY HA Coop. P.O.)

REFERENCE NO. 31

PHYSICAL and CHEMICAL HYDROGEOLOGY

Patrick A. Domenico
Franklin W. Schwartz

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Intr

Table 3.2
Representative values of hydraulic conductivity for various rock types

Material	Hydraulic conductivity (m/sec)
SEDIMENTARY	
Gravel	$3 \times 10^{-4} - 3 \times 10^{-2}$
Coarse sand	$9 \times 10^{-7} - 6 \times 10^{-3}$
Medium sand	$9 \times 10^{-7} - 5 \times 10^{-4}$
Fine sand	$2 \times 10^{-7} - 2 \times 10^{-4}$
Silt, loess	$1 \times 10^{-9} - 2 \times 10^{-5}$
Till	$1 \times 10^{-12} - 2 \times 10^{-6}$
Clay	$1 \times 10^{-11} - 4.7 \times 10^{-9}$
Unweathered marine clay	$8 \times 10^{-13} - 2 \times 10^{-9}$
SEDIMENTARY ROCKS	
Karst and reef limestone	$1 \times 10^{-6} - 2 \times 10^{-2}$
Limestone, dolomite	$1 \times 10^{-9} - 6 \times 10^{-6}$
Sandstone	$3 \times 10^{-10} - 6 \times 10^{-6}$
Siltstone	$1 \times 10^{-11} - 1.4 \times 10^{-8}$
Salt	$1 \times 10^{-12} - 1 \times 10^{-10}$
Anhydrite	$4 \times 10^{-13} - 2 \times 10^{-8}$
Shale	$1 \times 10^{-13} - 2 \times 10^{-9}$
CRYSTALLINE ROCKS	
Permeable basalt	$4 \times 10^{-7} - 2 \times 10^{-2}$
Fractured igneous and metamorphic rock	$8 \times 10^{-9} - 3 \times 10^{-4}$
Weathered granite	$3.3 \times 10^{-6} - 5.2 \times 10^{-5}$
Weathered gabbro	$5.5 \times 10^{-7} - 3.8 \times 10^{-6}$
Basalt	$2 \times 10^{-11} - 4.2 \times 10^{-7}$
Unfractured igneous and metamorphic rocks	$3 \times 10^{-14} - 2 \times 10^{-10}$

To convert meters per second to	Multiply by
cm/sec	10^2
(gal/day)/ft^2	2.12×10^6
ft/sec	3.28
ft/yr	1×10^8
darcy	1.04×10^5
ft^2	1.1×10^{-6}
cm^2	1×10^{-5}
To convert any of the above to meters per second	Divide by the appropriate number above

REFERENCE NO. 32

SWMA Town of North Hempstead
SOLID WASTE MANAGEMENT AUTHORITY
802 West Shore Road • Port Washington, New York 11050
(516) 767-4608 FAX (516) 767-4609

Chairwoman
May Newburger
Board Members
Anthony D'Urso
Barbara Johnson
John Rabito
Fred L. Pollack
Commissioner
Paul M. Roth, P.E.

March 28, 1994

Mr. Juan Davila
United States Environmental Protection Agency
ERRD
Room 13-100
26 Federal Plaza
New York, New York 10278

Re: Denton Avenue Landfill

Dear Mr. Davila:

Please be advised that ownership of 16 acres of the Denton Avenue Landfill was transferred on October 1, 1993 to new owners for the purpose of developing a golf driving range.

If I can be of further assistance please feel free to call.

Sincerely,

Paul M. Roth (mjm)

Paul M. Roth, P.E.
Commissioner

PMR:cm
DenAve
cc: L. Kline

Printed on Recycled Paper

REFERENCE NO. 33

DYNAMAC CORPORATION
PROJECT NOTE

SITE: Denton Avenue Landfill

PREPARED BY: Deborah Kristiansen Deborah Kristiansen

DATE: April 6, 1994 April 6, 1994

SUBJECT: Groundwater resources

No groundwater resources can be documented for the Denton Avenue Landfill site located in Nassau County, New York.

In an effort to document that groundwater is a main ingredient used in commercial food preparation, a list of food producers/suppliers in New York was obtained from MacRae's State Industrial Directory (see attached list). There were five food producers on the list which could possibly be using water as the main ingredient in commercial food production and they were contacted. However, either these food producers do not receive their processing water from water supply companies with wells within 4 miles of the site or they are only distributors of food. The following five companies were contacted on April 6, 1994:

1) Air Stream Foods, Inc., Valley Stream, New York - only distributes its food product from this location. Contact was Bob Tiescher, President.

2) Emile's Candies, Inc., Oceanside, New York - receives water from Long Island Water Company whose wells are not located within 4-miles of the site. Contact was the manager and he would not give his name.

3) Far Eastern Coconut Company, Roslyn, New York - this location only serves as a sales office. Contact was Barbara, Office Manager.

4) Kozy Shack Foods, Mineola, New York - only manufactures milk-based pudding. Water (except for that found naturally in cows milk) is not an ingredient in their food product. Contact was Charles McCann, President.

5) Bachman Distributing, Farmingdale, New York - only distributes its food product from this location. Contact was Cathy, Secretary.

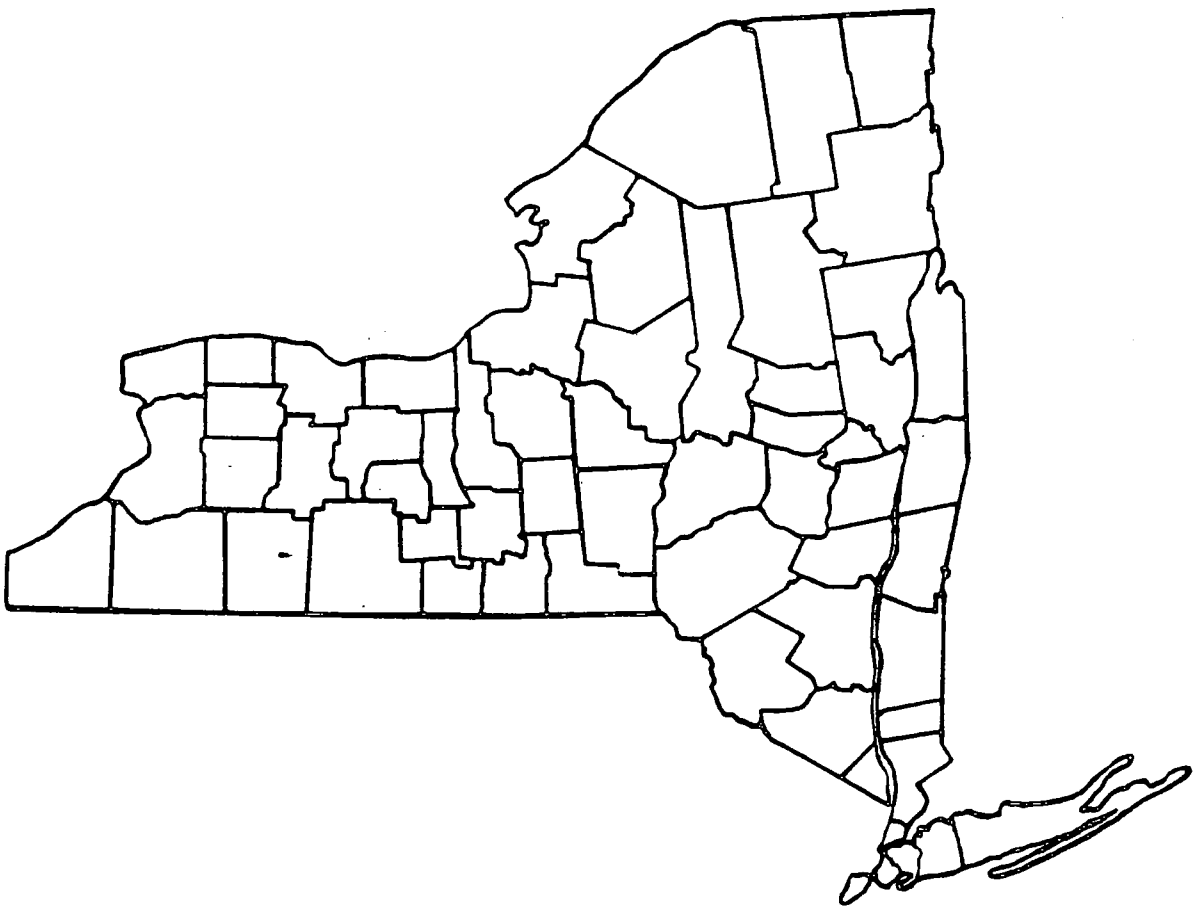
6) Doxsee Seaclam Company, Inc., Point Lookout, New York - receives process water from a water company whose wells are located outside the 4-mile radius of the site (a water company in the eastern part of Hempstead, New York). Contact was Robert Doxsee, President.

7) Hanan Products Company, Inc., Hicksville, New York - receives process water from a water company whose wells are located outside the 4-mile radius of the site (Jericho Water Department). Contact was Frank Hanan, Vice-President.

Due to the fact that the site is located in the heavily developed urban area of Nassau and Queens Counties, New York, the possibilities of getting groundwater resource points for the other options (commercial livestock watering, commercial aquaculture, major water recreation area, commercial food crops and commercial forage crops) is remote. However, the option of a major water recreation area was investigated to the extent of calling parks indicated on the topographic map to see if the parks have swimming pools. None of the parks indicated on the topographic map have swimming pools. Also, an attempt to locate a YMCA or YWCA within 4 miles of the site or more (but within approximately 8 miles) was made in order to locate a swimming pool; however, no YMCA or YWCA centers are currently located in this area (see attached lists of YMCA and YWCA locations in New York state).

MacRAE'S
STATE INDUSTRIAL DIRECTORY

NEW YORK STATE



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ABP

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Executive Title Abbreviations

Owner	Owner	General Manager	GM
Partner	Partner	Officer Manager	OM
Chairman of the Board	Ch Bd	Sales Manager	SM
Chairman of the Executive Committee	Ch Exec	Marketing Director	Mkt Dir
Publisher	Pub	Advertising Manager	Ad Mgr
President	Pres	Director of Public Relations	Dir PR
Chief Executive Officer	CEO	Purchasing Agent	PA
Executive Vice President	Exec VP	Traffic Manager	TM
Senior Vice President	Sr VP	Personnel Manager	Pers Mgr
Vice President	VP	Research Director	Res Dir
Vice President Operations	VP Opn	Operations Manager	Opn Mgr
Vice President Manufacturing	VP Mfg	Plant Manager	Plant Mgr
Vice President Engineering	VP Eng	Production Manager	Prod Mgr
Vice President Finance	VP Fin	Plant Foreman	PF
Vice President Sales	VP Sls	Salary Director	SD
Vice President Marketing	VP Mkt	Chief Engineer	Ch Eng
Secretary	Sec	Production Engineer	Prod Eng
Treasurer	Treas	Plant Engineer	Plant Eng
Comptroller/Controller	Compt	Design Engineer	Des Eng
Editor	Ed	Maintenance Manager	MM

FLUID Handling Equipment

[illegible] INC. 180 Oser Street, Hauppauge, [illegible] (Suffolk), (516)-231-1311

[illegible] EQUIPMENT CORP., 91 Commercial [illegible] Garden City, NY 11530, (Nassau), [illegible]

FLUIDS, Silicone

[illegible] VACUUM INTERNATIONAL, [illegible] Island Blvd., Grand Island, NY [illegible] Erie), (716)-773-7552

FLUORESCENT Lamp Fixtures and Parts See also Lighting Fixtures Fluorescent

[illegible] MANUFACTURING COMPANY, INC., 45-31 Court Square, Long [illegible] NY 11101-4326, (Queens), [illegible] (Starter)

[illegible] COMPANY, INC., 221 [illegible] Avenue, Brooklyn, NY [illegible] (Kings), (718)-498-1770

[illegible] 17-28th Avenue, Flushing, [illegible] (Queens), (718)-726-1300

[illegible] CORP., 956 Brush Hollow [illegible] NY 11590-1707, (Nassau), [illegible] (Materials)

FLUORESCENT Lights

[illegible] COMPANY, INC., 221 [illegible] Avenue, Brooklyn, NY [illegible] (Kings), (718)-498-1770 [illegible] industrial, etc.)

[illegible] 17-28th Avenue, Flushing, [illegible] (Queens), (718)-726-1300

FLUORIDES

[illegible] INTERNATIONAL COMPANY, INC., [illegible] Brooklyn, NY 11238-3194, [illegible] 4340 (Glass frosting [illegible])

FLUOROCARBON Resin

[illegible] 250 Midtown Tower, [illegible] 4-2071, (Monroe), [illegible] plastics)

FLUX, Aluminum

[illegible] OF AMERICA, 1676 [illegible] Utica, NY 13502-5312, [illegible] 7-1630

FLUX, Brazing and Welding

[illegible] 40-40 172nd Street, [illegible] 356, (Queens), [illegible]

FLUX, Printed Circuits

[illegible] OF AMERICA, 1676 [illegible] Utica, NY 13502-5312, [illegible] 7-1630

FLUX, Soldering

[illegible] MEDICAL COMPANY, INC., 29 [illegible] New York, NY 10018-5504, [illegible] 4130

[illegible] OF AMERICA, 1676 [illegible] Utica, NY 13502-5312, [illegible]

[illegible] CHEMICAL CORP., 222 [illegible] Mt. Vernon, NY [illegible] (Westchester), (914)-668-6300

CAM, Firefighting

[illegible] CORP., PO Box [illegible] 9333, (Chemung)

FOAM, Plastic

PRES-TIGE LABEL CORP., 255 Oser Avenue, Smithtown, NY 11788-3710, (Suffolk), (516)-273-0020 (Die cut)

FOAM, Urethane

ADCHEM CORP., 625 Main Street, Westbury, NY 11590-4923, (Nassau), (516)-333-3843

BURNETT PROCESS, INC., 5928 Court St. Road, Syracuse, NY 13206, (Onondaga), (315)-437-1131 (Also rigid and flexible, spray and pour in place)

CONAP, INC., 1405 Buffalo Street, Olean, NY 14760-1139, (Cattaraugus), (716)-372-9650

J.J. WILLIAMS COMPANY, One Adams Blvd., Farmingdale, NY 11735, (Nassau), (516)-694-2121 (Cushioning)

FOAM, Vinyl

BURNETT PROCESS, INC., 5928 Court St. Road, Syracuse, NY 13206, (Onondaga), (315)-437-1131 (Polyethylene and PVC)

FOIL (Manufacturers)

ALUFOIL PRODUCTS COMPANY, INC., 135 Oser Avenue, Hauppauge, NY 11788-3710, (Suffolk), (516)-231-4141 (Plain)

BROOKLYN FOIL, INC., 196 Diamond Street, Brooklyn, NY 11222-2405, (Kings), (718)-389-5180 (Tinylead capacitor, burglar alarm, radiographic-cardboard backed and unbacked; tin and lead foil)

FISCHER-PARTELOW, INC., 438 W. 37th Street, New York, NY 10018-4001, (New York), (212)-244-5660

GENERAL ROLL LEAF MANUFACTURING COMPANY, INC., 10-03 44th Avenue, Long Island City, NY 11101-6913, (Queens), (718)-784-3737 (Metallic)

THE INDIUM CORP. OF AMERICA, 1676 Lincoln Avenue, Utica, NY 13502-5312, (Oneida), (315)-797-1630

QUICK ROLL LEAF MANUFACTURING COMPANY, 85-09 57th Avenue, Flushing, NY 11373-4835, (Queens), (914)-692-2500

FOIL, Aluminum See also Aluminum Foil

CM PRODUCTS, 103 Brightside Avenue, Central Islip, NY 11722-2706, (Suffolk), (516)-234-8456 (Food service use)

WINTER WOLFF, INC., 131 Jericho Turnpike, Jericho, NY 11753, (Nassau), (516)-997-3300

FOIL, Gold

GENERAL ROLL LEAF MANUFACTURING COMPANY, INC., 10-03 44th Avenue, Long Island City, NY 11101-6913, (Queens), (718)-784-3737

WILLIAMS ADVANCED MATERIALS, 2978 Main Street, Buffalo, NY 14214-1004, (Erie), (716)-837-1000

FOIL, Lead See also Lead, Foil

BROOKLYN FOIL, INC., 196 Diamond Street, Brooklyn, NY 11222-2405, (Kings), (718)-389-5180 (Of every description, tin and lead foil)

THE INDIUM CORP. OF AMERICA, 1676 Lincoln Avenue, Utica, NY 13502-5312, (Oneida), (315)-797-1630

WINTER WOLFF, INC., 131 Jericho Turnpike, Jericho, NY 11753, (Nassau), (516)-997-3300

FOIL, Platinum

WILLIAMS ADVANCED MATERIALS, 2978 Main Street, Buffalo, NY 14214-1004, (Erie), (716)-837-1000

FOIL, Silver

GENERAL ROLL LEAF MANUFACTURING COMPANY, INC., 10-03 44th Avenue, Long Island City, NY 11101-6913, (Queens), (718)-784-3737

WILLIAMS ADVANCED MATERIALS, 2978 Main Street, Buffalo, NY 14214-1004, (Erie), (716)-837-1000

FOIL, Tin See also Tin Foil

BROOKLYN FOIL, INC., 196 Diamond Street, Brooklyn, NY 11222-2405, (Kings), (718)-389-5180 (Tin and lead foil)

WINTER WOLFF, INC., 131 Jericho Turnpike, Jericho, NY 11753, (Nassau), (516)-997-3300

FOLDERS

BIND-IT CORP., 150 Commerce Drive, Hauppauge, NY 11788, (Suffolk), (516)-234-2500

BONCRAFT INC., LITHOGRAPHERS, 4222 S. Taylor Road, Orchard Park, NY 14127-2246, (Erie), (716)-662-9720 (And brochures)

ESSELTE PENDAFLEX CORP., 71 Clinton Road, Garden City, NY 11530-4711, (Nassau), (516)-741-3200

GESTETNER CORP., 80 Grasslands Road, Elmsford, NY 10523, (Westchester), (914)-347-3773

GUSSCO MANUFACTURING INC., 5112 Second Avenue, Brooklyn, NY 11232-4309, (Kings), (718)-492-7900 (Manila, pressboard partition, shelf & plastic hanging partition folders)

KRUYSMAN, 170 Varick Street, New York, NY 10013-1220, (New York), (212)-255-1144 (Pressboard)

FOLLOWERS, Cam

STOCK DRIVE PRODUCTS, 2101-M Jericho Turnpike, New Hyde Park, NY 11040 (Nassau), (516)-328-3300

FOOD and Food Supplies

AIR STREAM FOODS, INC., [illegible] E. Hawthorne Avenue, Valley Stream, NY 11580, (Nassau), (516)-[illegible] (Packaged)

Only distribute food

(516) 763-1600

BACHMAN DISTRIBUTING, 250 Adams Blvd., Farmingdale, NY 11735-6615, (Nassau), (516)-420-0333 (Potato chips)

BANNER CANDY MANUFACTURING COMPANY, 700 Liberty Avenue, Brooklyn, NY 11208-2115, (Kings), (718)-647-4747 (Almonds, hazelnuts, sesame bits)

BEACHTREE CAFE, 292 Merrick Road, Amityville, NY 11701-3414, (Suffolk), (516)-691-4422

BLUE POINTS COMPANY, INC., Foot of Atlantic Avenue, Box 8, W. Sayville, NY [illegible] (Suffolk), (516)-589-0124 (Fresh & frozen clams, oysters & shellfish)

CABLE WIEDEMER, INC., 283 Central Avenue, Rochester, NY 14605-1854, (Monroe), (716)-454-7494 (Restaurant & cafeteria)

CHINA PRODUCTS NORTH AMERICA, INC., [illegible] Jericho Quad, Suite 218, Jericho, NY [illegible] (Nassau), (516) 935-3880 (Importing [illegible] & jackets)

COCA-COLA BOTTLING CORP., 123 Upper Falls Blvd., Rochester, NY 14605-2156, Monroe). (716)-546-3900 (Sandwiches, hot foods, vending)

COUNTRY BAR & RESTAURANT SUPPLIES COMPANY, 92 Gardiners Avenue, Levittown, NY 11756-3705, (Nassau). (516)-796-0708

CREST HOLLOW COUNTRY CLUB AT WOODBURY, 8325 Jericho Turnpike, Woodbury, NY 11797-1804, (Nassau). (516)-692-8000

CROW'S NEST, 25 Smith Street, Farmingdale, NY 11735-1004, (Nassau). (516)-293-0059 (Restaurant)

CROWLEY FOODS, INC., 209 Wavel St., Syracuse, NY 13206-1723, (Onondaga). (315)-437-1253 (Prepared foods, such as potatoe salad & cole slaw)

EAST NORWICH INN, Northern Blvd. & Route 106, E. Norwich, NY 11732, (Nassau). (516)-922-1500

EMILE'S CANDIES, INC., 229 Merrick Road, Oceanside, NY 11572-1430, (Nassau). (516)-766-4402 (Chocolate confections)

FAR EASTERN COCONUT COMPANY, INC., 1038 Northern Blvd., Roslyn, NY 11576-1501, (Nassau). (516)-484-0030 (Sweetened & deiccated coconut)

FISHER'S CATERING, INC., 306 Main Street, Huntington, NY 11743-6910, (Suffolk). (516)-427-6383

FORD GUM & MACHINE COMPANY, INC., Hoag & Newtown Avenues, Akron, NY 14001, (Erie). (716)-542-4561 (Chewing gum)

4C FOODS CORP., 580 Fountain Avenue, Brooklyn, NY 11208-6002, (Kings). (718)-272-4242

FOX HOLLOW INN, 7725 Jericho Turnpike, Woodbury, NY 11797-1710, (Nassau). (516)-921-1415

GLAZIER PACKING COMPANY, INC., 14 Front Street, Malone, NY 12953-2302, (Franklin). (518)-483-4990 (Frankfurters, bologna, sausage, meat loaf)

GOLD PURE FOOD PRODUCTS, INC., 895 Mc Donald Avenue, Brooklyn, NY 11218-5684, (Kings). (718)-435-1910 (Kosher & specialty)

GROWERS COOPERATIVE GRAPE JUICE COMPANY, INC., 112 N. Portage Street, PO Box 399, Westfield, NY 14787-1054, (Chautauqua). (716)-326-3161 (Grape juice & grape concentrates)

GURNEY'S INN RESORT & SPA, Old Montauk Highway, Montauk, NY 11954-9701, (Suffolk). (516)-668-2345

HVAP CO., PO Box 808, Milton, NY 12547, (Ulster). (914)-795-2171 (Juice, vinegar, apple sauce & other fresh & canned apple products)

KOZY SHACK FOODS, 161 Second Street, Box 9003, Mineola, NY 11501-9003, (Nassau). (516)-746-4000

KING KULLEN GROCERY COMPANY, INC., 1194 Prospect Avenue, Westbury, NY 11590-2723, (Nassau). (516)-333-7100

LACKMANN FOOD SERVICE, 303 Crossways Park Drive, Woodbury, NY 11797-2016, (Nassau). (516)-364-2300 (Food service)

LESSINGS, INC., 80 Browns River Road, Sayville, NY 11782, (Suffolk). (516)-567-8200 (Catering, vending, picnics & food service for business & industry)

LYNDONVILLE VINEGAR, INC., 247 West Avenue, Lyndonville, NY 14098-9744, (Orleans). (716)-765-2291 (Cider, white distilled & wine vinegar)

MARS FUDGE & FRUIT COMPANY, INC., 778 Lexington Avenue, Brooklyn, NY 11221-2903, (Kings). (718)-453-6770 (Chocolate fudge base, pie fillings, jams, jellies, dietetic pie fillings & ice cream toppings)

NOG, INC., 99 W. Fourth Street, Dunkirk, NY 14048-1901, (Chautauqua). (716)-366-3322 (Vanegating bases, egg nog bases, chocolate syrup & powder, ice cream bar coatings, flavorings & toppings)

PEPSI COLA DISTRIBUTOR CORP., 500 W Sunrise Highway, Patchogue, NY 11772, (Suffolk). (516)-475-8000 (Soft drinks)

PEPSI COMPANY, INC., Anderson Hill Road, Purchase, NY 10577, (Westchester). (914)-253-3102 (Snacks & convenience foods)

QUEST INTERNATIONS, PO Box 630, Norwich, NY 13815, (Chenango). (607)-334-9951(Hydrolyzed food products)

RECKITT & COLMAN, INC., W. Main Street, Wolcott, NY 14590, (Wayne). (315)-594-8021 (French fried potatoes & onions; potato sticks)

STEINER FOODS, INC., 302 Walnut Avenue, Bronx, NY 10454-2017, (Bronx). (718)-585-1122 (Gourmet food)

VALLEY STREAM HEALTH FOODS CENTER, INC., 192 Rockaway Avenue, Valley Stream, NY 11580-5826, (Nassau). (516)-561-1441 (Health foods)

DUANE WICKS, RFD 1, Box 14, Harrisville, NY 13648, (Lewis). (315)-543-2737 (Maple syrup)

FOOD Processing Equipment See also Machines, Processing; also Processing Equipment

AUTOMATIC ORANGE JUICER CORP., 7816 Cooper Avenue, 4th Floor, Glendale, NY 11385, (Kings). (718)-268-1492 (Juice extractors)

BLAW-KNOX FOOD & CHEMICAL EQUIPMENT COMPANY, 750 E. Ferry Street, PO Box 1041, Buffalo, NY 14211-1108, (Erie). (716)-895-2100

BLUE RIDGE FARMS, INC., 3301 Atlantic Avenue, Brooklyn, NY 11208-1914, (Kings). (718)-827-3600 (Food processors)

THE CBORD GROUP, INC., 61 Brown Road, Ithaca, NY 14850, (Tompkins). (607)-257-2410

CM PRODUCTS, 103 Brightside Avenue, Central Islip, NY 11722-2706, (Suffolk). (516)-234-8456 (Aluminum foil)

DUNHILL FOOD EQUIPMENT CORP., 88 Sanford Street, Brooklyn, NY 11205-2828, (Kings). (718)-625-4006 (Rotisseriers & warmers)

GOODWAY INDUSTRIES, INC., 175 Orville Drive, Bohemia, NY 11716-2503, (Suffolk). (516)-567-2929 (Bakery)

GRAND SILVER COMPANY, INC., 289 Morris Avenue, Bronx, NY 10451-6101, (Bronx). (212)-585-1930 (Restaurant serving equipment)

NORMANDIE METAL FABRICATORS, 55 Channel Drive, Port Washington, NY 11050, (Nassau). (516)-944-9141

SEFI FABRICATORS, INC., 50 Ranick Drive E., Amityville, NY 11701-2822, (Suffolk). (516)-842-2200 (Stainless steel)

STEIN INDUSTRIES, INC., 22 Sprague Avenue, Amityville, NY 11701-2619, (Suffolk). (516)-789-2222 (Concession)

FOOD, Snack

BACHMAN DISTRIBUTING, 250 Adams Blvd, Farmingdale, NY 11735-6615, (Nassau). (516)-420-0333 (Potato chips)

BORDEN, INC., 277 Park Avenue, New York, NY 10172-0002, (New York). (212)-573-4[illegible]

DOXSEE SEACLAM COMPANY, INC., 50 Bayside Drive, Point Lookout, NY 11569, (Nassau). (516)-432-0529 (Clams)

FIESTA NUT COMPANY, 75 Harbor Road, Port Washington, NY 11050-2525, (Nassau). (516)-883-1400 (Nuts importers)

GRANOMA BROWN'S BEANS, INC., Screw Avenue, Box 230, Mexico, NY 13114-0230, (Oswego). (315)-963-7221 (Beans: home baked, saucepan, red kidney; soups: bean split pea)

LILY POPCORN, INC., 280 W. Merrick Road, Valley Stream, NY 11580-9016, (Nassau). (516)-872-4000 (Popcorn)

RUSSELL ASSOCIATE, INC., 120 Fourth Avenue, Copiague, NY 11726-1521, (Suffolk). (516)-842-6600 (Dietetic portion packed jams & jellies)

SENECA FOODS CORP., 3736 S. Main Street, Marion, NY 14505, (Wayne). (315)-926-4[illegible] (Apple sauce)

FOOD Specialties, Canned

FREDONIA PRODUCTS COMPANY, INC., One Cliffstar Avenue, Dunkirk, NY 14048, (Chautauqua). (716)-366-6100(Fruit juices, ketchup)

FOOD Specialties, Frozen

CONTINENTAL FOOD PRODUCTS, INC., 31-45 Downing Street, Flushing, NY 11356-1904, (Queens). (718)-358-7804 (Pizza)

HANAN PRODUCTS COMPANY, INC., 19 Miller Place, Hicksville, NY 11801-1826, (Nassau). (516)-938-1600 (Whip topping)

FOOTWEAR

ENDICOTT JOHNSON CORP., 1100 E. Main Street, Endicott, NY 13760-5254, (Broome). (607)-757-4123

ART STONE THEATRICAL CORP., 1[illegible]5 Express Drive, N., Smithtown, NY 11787, (Suffolk). (516)-582-9500 (Ballet shoes)

TRU-STITCH FOOTWEAR, 123 Catherine Street, Malone, NY 12953-2343, (Franklin). (518)-483-6300 (Moccasins, slippers)

VOGEL BOOTS, 19 Howard Street, New York, NY 10013-3111, (New York). (212)-925-7[illegible] (Men's & women's boots)

FORGINGS, Aircraft

ENDICOTT FORGING & MANUFACTURING COMPANY, INC., 1901 North Street, Endicott, NY 13760-5612, (Broome). (607)-785-3331 (Engine & fuselage)

HAMMOND & IRVING, INC., 254 North Street, Auburn, NY 13021-1137, (Cayuga). (315)-253-6285

UNION FORGING COMPANY, 500 North Street, Endicott, NY 13760-4919, (Broome). (607)-785-9975

FORGINGS, Automotive

ENDICOTT FORGING & MANUFACTURING COMPANY, INC., 1901 North Street, Endicott, NY 13760-5612, (Broome). (607)-785-3331

UNION FORGING COMPANY, 500 North Street, Endicott, NY 13760-4919, (Broome). (607)-785-9975

[illegible] 6625

[illegible] 6618

[illegible] aluminum: alloys,

[illegible]ATIONAL, LTD.

[illegible] 0731

[illegible] 000 to $5,000,000

[illegible] decorative giftware,

[illegible]PLATING, INC.

[illegible] 6912

[illegible] $1,000,000

[illegible] plating

[illegible] INC

[illegible] 6309

[illegible] 000 to $10,000,000

[illegible] hardware, lighting OEM

[illegible] METALS CORP.

[illegible] 1718

[illegible] materials

VP Opn: Michael Samuels

AVON GLOVE CORP.
1966 Broad Hollow Road
Farmingdale, NY 11735-1713
(516)-752-1212
Fax: (516)-752-1228
Toll Free: (800)-223-6828
Employs: 50
Year Founded: 1919
Imports
Estimated Sales: $10,000,000 and over

Mfr gloves, mittens, headwear

Pres: O.B. Schwartz
VP: J. Schwartz
Compt: R. Schwartz
SM: J. Schwartz
Plant Mgr: L. Klig

B H AIRCRAFT COMPANY, INC.
441 Eastern Parkway
Farmingdale, NY 11735
(516)-249-5000
Fax: (516)-420-8609

Fabricators of precision weldments of high temperature alloys for the aerospace industry

BACHMAN DISTRIBUTING
250 Adams Blvd.
Farmingdale, NY 11735-6615
(516)-420-0333
Employs: 90
Estimated Sales: $10,000,000 and over

Mfr & dist. potato chips

Only distributes food

GM: Bob Ditcer
SM: Joseph Monteale

BANK SIGN & EQUIPMENT COMPANY
One Adams Blvd.
Farmingdale, NY 11735
(516)-752-8040
Fax: (516)-752-1375
Employs: 3
Estimated Sales: up to $1,000,000

Mfr & dist. office signs & accessories

Owner: Raymond Rosalia

BAR BOY PRODUCTS, INC.
250 Merritts Road
Farmingdale, NY 11735-3242
(516)-293-9143
Fax: (516)-297-7984
Employs: 30
Estimated Sales: up to $1,000,000

Dist. & suppliers of bar & restaurant products

Pres: Edward Delelice

BARISH PUMP COMPANY
61 Allen Blvd.
Farmingdale, NY 11735-5614
(516)-752-7770
Fax: (516)-454-7867
Employs: 8
Year Founded: 1940
Estimated Sales: up to $1,000,000

Hydraulic & fuel oil pumps

Pres: Bob Bergen
VP: Craig Bergen

BEAUMONT OFFSET CORP.
2045 Wellwood Avenue
Farmingdale, NY 11735-1212
(516)-752-0800
Fax: (516)-752-0859
Employs: 55
Estimated Sales: up to $1,000,000

Offset printing

Pres: Harry Dickran

BEE KAY PARADE EQUIPMENT COMPANY
176 Central Avenue
Farmingdale, NY 11735-6913
(516)-454-9111
Fax: (516)-753-9267
Toll Free: (800)-927-0102
Employs: 6
Estimated Sales: up to $1,000,000

Military uniforms, insignias, shoulder cords, belts & accessories

Treas: Martin Kahns
Pres: Barbara Kahns

BELLE ARBOR PROMOTION COMPANY, INC.
921-C Eastern Parkway
Farmingdale, NY 11735-2711
(516)-249-4225
Fax: (516)-249-8158
Toll Free: (800)-645-9828
Employs: 15
Year Founded: 1951
Exports & Imports
Estimated Sales: $1,000,000 to $5,000,000

Mfr. electric inflators, balloon & blimps, balloon imprinters & advertising

Owner: Paul Tillotson
Pres: Paul Tillotson
Prod Mgr: James Corominas

BI-COUNTY POSTAL FEDERAL UNION
521 Conklin Street
Farmingdale, NY 11735-2621
(516)-752-0464
Fax: (516)-756-4776
Employs: 9
Estimated Sales: $10,000,000 and over

Banking services incl. savings, checking, personal loans

Mgr: Jean Viviani

ROBERT E. BILL ASSOCIATES, INC.
814 Fulton Street
Farmingdale, NY 11735-3601
(516)-249-1000
Fax: (516)-249-0026
Estimated Sales: $10,000,000 and over

Insurance brokerage

Pres: Robert E. Bill

BIRNBACH COMPANY
7781 Schmitt Blvd
Farmingdale, NY 11735-1403
(516)-420-0400
Fax: (516)-752-9870
Employs: 15
Estimated Sales: $10,000,000 and over

Dist. electrical wire & cables

Pres: Herbert Davidson

DYNAMIC INDUSTRIES CORP.
11 Commercial Street
Hicksville, NY 11801
(516)-938-8100
Fax: (516)-938-8149
Employs: 30
Year Founded: 1973
Exports
Estimated Sales: up to $1,000,000

Mfr. test lead sets; test adapters, cables; assemblies.

Pres: Elaine Saul

DYNAMIC STORAGE SYSTEMS COMPANY
111 Bloomingdale Road
Hicksville, NY 11802-6508
(516)-933-0800
Fax: (516)-933-0800
Employs: 8
Year Founded: 1983
Estimated Sales: up to $1,000,000

Warehouse & material handling equipment

Pres: Louis M. Simon
SM: Gregg Simon

ETHICAL SIGN COMPANY
31 Kenneth Street
Hicksville, NY 11803-3941
(516)-822-9460
Employs: 8
Estimated Sales: $10,000,000 and over

Industrial, display, & professional signs, cast metal plaques & letters

Owner: Daniel Kaplan

EVERGOOD PRODUCTS CORPORATION
Parent: Phoenix Lab, Inc.
175 Lauman Lane
Hicksville, NY 11801
(516)-822-1230
Fax: (516)-939-0244

Manufacturer of vitamins

Pres: Sidney Rich

ALAN L. FRIEDLAND CONSULTING ENGINEER, P.C.
360 Broadway
Hicksville, NY 11801-5028
(516)-931-6611
Fax: (516)-931-6102
Employs: 15

Engineering consultants

Pres: Alan L. Friedland

JOSEPH GALKIN CORP.
205 Park Avenue
Hicksville, NY 11801
(516)-822-6944
Fax: (516)-822-0443
Employs: 30
Year Founded: 1908
Exports & Imports
Research
Estimated Sales: $1,000,000 to $5,000,000

Automated sewing machinery, special automated machinery

Pres: Charles Block
VP: Paul Block
PA: Paul Block

GARVAN ADVERTISING, INC.
501 S. Broadway
Hicksville, NY 11801-5093
(516)-433-2573
Fax: (516)-433-2610
Employs: 50

Advertising agency

Pres: Gary Andersen
Mgr: Gary Andersen

GILISON KNITWEAR COMPANY, INC.
65-89 W. John Street
Hicksville, NY 11802-1005
(516)-931-0041
Fax: (516)-931-0514
Employs: 5
Estimated Sales: up to $1,000,000

Mfr. sweaters & knit shirts; knit outerwear

Pres: A. Gilison
VP: R. Gilison
Treas: W. Gilison
OM: W. Thorman
Plant Mgr: W. Durchhalter

GOLDMAN BROTHERS
183 S. Broadway
Hicksville, NY 11801-4247
(516)-931-0441
Fax: (516)-931-1062
Employs: 25
Estimated Sales: $1,000,000 to $5,000,000

Sporting goods, retail; mfr. & dist. work clothes & shoes, flags, banners, emblems

Pres: Howard Goldman
VP: Harwin Goldman

NORMAN GOLDSTEIN ASSOCIATES, INC.
21 Nelson Avenue
Hicksville, NY 11801
(516)-938-5747
Fax: (516)-939-0878
Exports & Imports
Estimated Sales: $10,000,000 and over

Distr. window glass & flat glass products, cell cast acrylic sheets

Pres: Norman Goldstein

HANAN PRODUCTS COMPANY, INC.
196 Miller Place
Hicksville, NY 11801-1826
(516)-938-1800
Fax: (516)-938-1925
Employs: 20
Year Founded: 195[illegible]
Exports
Research
Estimated Sales: $5,000,000 to $10,000,000

Mfr. frozen whip topping

Pres: Stuart M. Hanan
Sec: Cons Hanan

Water is from wells outside 4-mile radius of site

SID HARVEY METRO NEW YORK, INC.
317 New South Road
Hicksville, NY 11801-5228
(516)-935-4400
Fax: (516)-935-4012
Employs: 30

Dist. heating, air conditioning & refrigeration supplies

Pres: Bill Housner

HAZARDOUS ELIMINATION CORP
195 Lauman Lane
Hicksville, NY 11801
(516)-433-2525
Fax: (516)-433-9388
Estimated Sales: $5,000,000 to [illegible]

asbestos abatement, removal, consulting services encapsulation

Pres: Jose Carranza

HICKSVILLE MACHINE WORKS CORP
761 S. Broadway
Hicksville, NY 11801-5077
(516)-931-1524
Fax: (516)-931-2308
Employs: 25
Year Founded: 1950
Estimated Sales: up to $1,000,000

Machine shop, aircraft parts

Pres: J. Spiezio

HYDRA-TEC CORP
100 Express Street
Hicksville, NY 11803-2405
(516)-938-7100
Employs: 10
Year Founded: 1956
Exports & Imports
Research
Estimated Sales: $10,000,000 and over

Mfr. & dist. hydraulic power units & [illegible] equipment; pumps, valves

Pres: Seymour Dutka
Compt: Neil Ackerman
SM: John Yarak

IMPERIAL STEEL RULE DIE COMPANY
185 Bethpage/Sweet Hollow Road
Hicksville, NY 11804
(516)-223-5055
Employs: 5

Mfr. tools & dies

Pres: Tony Virga

INTERSTATE COMMERCE COMMISSION, INC.
Parent: Transportation Management Services
360 S. Broadway
Hicksville, NY 11801-5029
(516)-822-1183
Fax: (516)-822-1126
Employs: 12
Year Founded: 1975
Research
Estimated Sales: $5,000,000 to [illegible]

Freight transportation consulting

Pres: Anthony N. Nuno
Mgr: Laura Schwier

ISLAND BUSINESS MACHINES
4885-26 S. Broad
Hicksville, NY 11801-5[illegible]
(516)-931-3737
Fax: (516) 931-2773
Employs: 8
Year Founded: 1969
Estimated Sales: up to $1,000,000

Dist. copy machine

Pres: Dennis Conran

[illegible] & FREDMAN, ESQUIRE
[illegible]

[illegible] COMPANY, INC.
[illegible]
[illegible] machinery

[illegible] Simmons Corp., NY
[illegible]

[illegible] SAW MANUFACTURING, INC.
[illegible] Great Neck, Inc.
[illegible] and over

[illegible] TRAVEL CENTER, INC.
[illegible]

H. KLEIN & SONS, INC.
95 Searing Avenue
Mineola, NY 11501
(516)-746-0163
Fax: (516)-741-9875
Employs: 75
Year Founded: 1902
Estimated Sales: $1,000,000 to $5,000,000

Roofing contractors & sheet metal work

Pres: Douglas Klein
Sec: Donald Klein

KOZY SHACK FOODS
161 Second Street, Box 9003
Mineola, NY 11501-9003
(516)-746-4000
Fax: (516)-747-3795

Mfr. & dist. pudding & salads

Pres: Vincent Gruppuso

Manufacture Mille-based pudding. Do carrot is used in pudding

MEDIPOINT, INC.
72 E. Second Street
Mineola, NY 11501
(516)-294-8822
Fax: (516)-746-6693
Toll Free: (800)-448-0525

Manufacturer

MELOLITE INDUSTRIES, LTD.
180 E. Second Street
Mineola, NY 11501-3507
(516)-746-1311
Fax: (516)-746-0880
Toll Free: (800)-635-6548
Employs: 15
Year Founded: 1937
Exports & Imports
Estimated Sales: up to $1,000,000

Lighting fixtures

Pres: E.M. Katz
Treas: Michael Leavitt
Ad Mgr: Anthony Mediate

MINEOLA LITHOGRAPHERS, INC.
70 E. Second Street
Mineola, NY 11501-3505
(516)-746-6951
Fax: (516)-746-6956
Employs: 22
Year Founded: 1950
Estimated Sales: up to $1,000,000

Lithographic printing

Pres: Gus Clausen

MINEOLA SURGICAL SUPPLY COMPANY
127 Mineola Blvd.
Mineola, NY 11501-3917
(516)-741-1144
Employs: 5
Estimated Sales: up to $1,000,000

Dist. surgical supplies

Pres: Irwin Slotkin

MOTIVE POWER CORP.
PO Box 365
Mineola, NY 11501
(516)-742-1900
Fax: (516)-742-1896
Employs: 26
Year Founded: 1952
Imports
Estimated Sales: $5,000,000 to $10,000,000

Mfr. automotive accessories & chemicals, fuel injection pumps, gears

Ch Bd: F. Kahn
VP: M. During
Sec: F. Warnock
Treas: F. Warnock
Compt: E. Wolheim
GM: G. Stadler
SM: R.W. Muller

NASSAU COUNTY BAR ASSOCIATION
15th & West Street
Mineola, NY 11501
(516)-747-4070
Fax: (516)-747-7174
Employs: 17
Year Founded: 1898

Membership association serving the legal community & the public

Mgr: Dr. Deena R. Ehrlich

NASSAU COUNTY DEPARTMENT OF COMMERCE & INDUSTRY
1550 Franklin Avenue
Mineola, NY 11501-4801
(516)-571-3000
Employs: 8

Industrial plant site selection assistance

Pres: Steven Latham

R.A. NEWHOUSE, INC.
110 Liberty Avenue
Mineola, NY 11501-3509
(516)-746-8484
Fax: (516)-747-9209
Toll Free: (800)-535-7241
Employs: 65
Year Founded: 1955
Exports
Estimated Sales: $5,000,000 to $10,000,000

Church paraments, vestments, choir gowns; church pew cushions

Pres: Richard A. Newhouse, Jr.
Treas: Marguerite S. Newhouse

PETERSON ELECTRONIC DIE COMPANY, INC.
199 Liberty Avenue
Mineola, NY 11501-3513
(516)-747-3833
Fax: (516)-747-3873
Employs: 23
Estimated Sales: $1,000,000 to $5,000,000

Loose leaf binders

Pres: W.E. Peterson
Owner: William Peterson

Only a sales office

Roslyn
Telephone Area Code: 516

ACE SHOWER DOOR COMPANY, INC.
Five Skillman Street
Roslyn, NY 11575
(516)-484-4080

Pres: Anthony Censoplano

ALL STATE MACHINERY CORP.
PO Box 288
Roslyn, NY 11576
(516)-484-6660
Fax: (516)-484-6637
Employs: 3
Year Founded: 1945
Exports & Imports
Estimated Sales: up to $1,000,000

Dist. used machine tools

Pres: Norman Finkelstein

BLONDIE'S TREE HOUSE, INC.
300 Main Street
Roslyn, NY 11576
(516)-621-7873
Employs: 40
Year Founded: 1978
Estimated Sales: $1,000,000 to $5,000,000

Complete horticultural services; interior landscaping

GM: Howard Frelich
VP Sls: Fran Schreibman

VP Opn: Bob Wassmann
Pres: Howard Frelich

COLLARD & ROE
1077 Northern Blvd.
Roslyn, NY 11576-1614
(516)-365-9802
Fax: (516)-365-9805
Employs: 12
Year Founded: 1966
Estimated Sales: up to $1,000,000

Patent & trademark & copyright law

Owner: Allison C. Collard

DETECTO SCALES COMPANY
Parent: Cardinal Scales Company
Detecto Division
1044 Northern Blvd.
Roslyn, NY 11576
(516)-625-3600
Fax: (516)-625-0750

Mfr. of scales

Pres: W H Perry

DISPLAY FOLDING BOX
44 Fernwood Lane
Roslyn, NY 11576-1426
(516)-627-6940
Employs: 20

Printed paper boxes

FAR EASTERN COCONUT [illegible]
1038 Northern Blvd
Roslyn, NY [illegible]
(516)-484-0030
Fax: (516)-484-[illegible]
Employs: 15
Estimated Sales [illegible]

Mfr sweetener & [illegible]

Pres R Martino
VP L Bauman

JUNIOR LEAGUE OF LONG ISLAND [illegible]
1395 Old Northern Blvd
Roslyn, NY [illegible]
(516)-621-4800
Employs: 5

Volunteer training

MOBILE MEDEX, INC
1044 Northern Blvd
Roslyn, NY [illegible]
(516)-484-4200
Fax: (516)-484-3200
Employs: 40

Physical examinations [illegible] companies

Pres: Richard [illegible]

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...VP T. Bach

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...oys 6

...mercial photography services

...es Raon Valino

...ICO UPA TECHNOLOGY
...Terminal Drive
...ew NY 11803-2313
...349-8300
...oys 150
...Founded: 1947
...orts
...search
...ated Sales: $5,000,000 to $10,000,000

...electroplating equipment

...es Edward Braun
...Tom Archibald

...ARAMA SKYLIGHT CORP.
...Sunnyside Blvd.
...ew NY 11803
...349-8855
...(516)-576-3445
...oys 60
...Founded: 1949
...search
...mated Sales: $1,000,000 to $5,000,000

...ghts

...Paul E. Bechtold
...es Stephen K. Bechtold
...Elaine Miller
...Stainaker

...ION SHOPPES OF PLAINVIEW, INC.
...4 Old Country Road
...ew NY 11803
...681-1161
...oys 4
...Founded: 1978
...ated Sales: up to $1,000,000

...glasses

...es Charles Cressaty

...TER INFORMATION CENTER
Parent: Geraghty & Miller, Inc.
...Bethpage Road
...ew NY 11803
...249-7634
...(516)-249-7610
...oys 7
...Founded: 1957
...mated Sales: up to $1,000,000

...ks & newsletter publishers

...es Fred L. Troise
...W. Miller
...M.A. Schwarz

WIT-CRAFT ELECTRIC SERVICE
33 N. Mall
Plainview, NY 11803-4203
(516)-694-8151
Employs: 7
Estimated Sales: up to $1,000,000

Dist. controls for electric motors & pumps

Pres: William C. Dumper

YORK DISTRIBUTORS
Parent: Home Paramount
120 Express Street
Plainview, NY 11803
(516)-932-0600
Fax: (516)-932-4316
Toll Free: (800)-645-6007
Employs: 29
Estimated Sales: $10,000,000 and over

Pesticides, insect electrocutors & pesticides application equipment

Branch Mgr: Rick Allen

Point Lookout
Telephone Area Code: 516

DOXSEE SEACLAM COMPANY, INC.
50 Bayside Drive
Point Lookout, NY 11569
(516)-432-0529
Fax: (516)-432-3140
Employs: 25

Get water from wells outside radius of site.

Harvesting & processing of clams

Pres: Robert L. Doxsee, Jr.

Port Washington
Telephone Area Code: 516

AJC ELECTRONICS, INC.
25 Manorhaven Blvd
Port Washington, NY 11050
(516)-944-7505
Employs: 40

Mfr. printed circuit board population wave soldering-vapor degreasing & all electro-mechanical assembly

Pres: Richard J. Conte

AERO RESEARCH ASSOCIATES, INC.
One Sintsink Drive E.
Port Washington, NY 11050
(516)-883-5972
Toll Free: (800)-845-2376
Employs: 18
Year Founded: 1975
Exports
Research
Estimated Sales: $1,000,000 to $5,000,000

Mfr. precision metal reflectors: spherical, ellipsoids, paraboloids, hyperboloids, flats

Pres: Deborah A. Roantree
VP: William J. Roantree

AMERICAN ROTARY TOOLS COMPANY, INC.
30 Beechwood Avenue
Port Washington, NY 11050-3713
(516)-883-2887
Fax: (516)-767-2397
Toll Free: (800)-645-3824
Employs: 18
Year Founded: 1931
Exports & Imports
Estimated Sales: $1,000,000 to $5,000,000

Dist. rotary tools for mold & die making

Pres: Alexander W. Stein
VP: A. Harbich
VP Eng: Wolfgang Klich

ARTCO MACHINE CORP.
Parent: American Rotary Tools Company
30 Beechwood Avenue, PO Box 809
Port Washington, NY 11050
(516)-883-0550
Fax: (516)-767-2397
Toll Free: (800)-645-3824
Employs: 10
Estimated Sales: up to $1,000,000

Parts for pais sheet fabricating machines

Pres: A. Stein

AUSCO, INC.
820 Port Washington Blvd.
Port Washington, NY 11050-3720
(516)-944-9882
Fax: (516)-944-8522
Toll Free: (800)-927-8757
Employs: 22
Exports & Imports
Estimated Sales: up to $1,000,000

Aircraft & missile valves, precision machine work

Pres: Frank Matiuk

AVANTE-GARDE OPTICS, INC.
Parent: Lusoccita Group
44 Harbor Park Drive
Port Washington, NY 11050-4602
(516)-484-3800
Employs: 13
Estimated Sales: up to $1,000,000

Optical frames importers

CM: Carmen Bernos

BERTIN DESIGN GROUP
44 Harbor Park Drive
Port Washington, NY 11050-4602
(516)-484-1490
Fax: (516)-625-1738
Employs: 10
Estimated Sales: up to $1,000,000

Advertising & graphic design services

Mgr: James Ubertini

CENTER LABS
35 Channel Drive
Port Washington, NY 11050-2216
(516)-767-19...
Fax: (516)-767-4229
Toll Free: (800)-223-6837
Employs: 95
Research
Estimated Sales: $1,000,000 to $5,000,000

Mfr. allergenic extracts, for veterinary & respiratory system pharmaceuticals

Pres: A. Pernick
Compt: L. Ruvolo

METRO ATLANTA YMCA

Metropolitan Offices

Date: 4/7/94

Number of Pages: 6
(Including Cover Sheet)

Please Deliver to:

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Messages

Young Men's Christian Association of Metropolitan Atlanta, Inc.
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Phone 404 • 588 • 9622 Fax 404 • 527 • 7693

04/07/94 14:08 YMCA OF METRO ATLANTA → 96810894 NO. 120 D06

MCCAY MORALES, Emily B., *Executive Director*
SCHIFFER, Susan, *Program Director*
VAN NEST, Charlene, *Child Care Director*

NEW YORK

Amsterdam YMCA 3995
24 Division Street, Amsterdam, NY 12010
(518) 842-2130
DALY, John J., *Chief Volunteer Officer*
BOWER, John T., *Executive Director*
BALDINI, Anna B., *Administrative Asst*
LAWRENCE, Peter A., *Assoc Executive Director*
WARREN, Allyson M., *Physical Director*

Auburn YMCA-WEU 3999
27-29 Willard Street, Auburn, NY 13021
(315) 253-5304
HICKEY, Paul D., *Chief Volunteer Officer*
COURTNEY, James M., *Chief Executive Off*
_ Lori B., *Respite Coordinator*
ARGODEL, April J., *Aquatic Director*
HASTINGS, Allen R., *Assoc Executive Director*
HIGGINS, Carlene M., *Yth/Comp Serv Director*
HUGHES, Dorothea D., *Membership Director*
KORNAHECKY, Stephen J., *Physical Director*
MACDONALD, Mary A., *Outreach Director*
WRIGHT, Dianne M., *Finance Director*

Batavia YMCA 4003
209 East Main Street, Batavia, NY 14020
(716) 344-1864
MOAG, Timothy P., *Chief Volunteer Officer*
COLVIN, Gary W., *General Director*
BRADSTREET, Brian, *Systems Manager*
SHARPE, Holly A., *Youth Director*
WALKER, Merle R., *Physical Prog Director*

Broome County YMCA 4007
81 Susquehanna Street, Binghamton, NY 13901
(607) 772-0589
FAX: (607) 772-0593
HILL, A. Edward, *Chief Volunteer Officer*
MCDOWELL, Robert C., *Executive Director/C*
CRISTOFANI, Patrick, *Accountant*
FRANKENFIELD, Lynn, *Member/Public Relations*
LAMBERT, Patrick K., *Director-Finance*
SCHOONMAKER, Sandra R., *Child Dev Director*
SIMONS, Lee A., *Administrative Asst*

Downtown Branch YMCA 4008
81 Susquehanna Street, Binghamton, NY 13901
(607) 772-0589
FAX: (607) 772-0593
Residence: 90 BEDS - MALES ONLY
HILL, A. Edward, *Chief Volunteer Officer*
O'BRIEN, Donald P., *Adult Prog/Day Camp*
PARSHLEY, Wayne, *Maintenance Supv*
OWEN, Debra J., *Aquatic Director*
BURPARTIES, Kathleen, *Asst Youth Director*
SCHLAGHTER, David, *Assoc Fitness Ctr Director*
WORTH, Kimberly, *Child Care Director*

West Branch YMCA 4011
740 Main Street, Johnson City, NY 13790
(607) 729-4978
FAX: (607) 773-0593
HILL, A. Edward, *Chief Volunteer Officer*
RUSSELL, Christopher M., *Assistant Director*
FRANKIS, Bradley, *Maintenance Supv*
PECK, Gail A., *Adult Fitness Director*
SCHWARTZ, Marlene, Y[illegible] Ser[illegible]

STODDARD, Florence E., *Aquatic Director-West*

Greater Buffalo YMCA 4019
2564 Delaware Avenue, Buffalo, NY 14216
(716) 875-1550
FAX: (716) 875-9198
LIPKE, Brian, *Chief Volunteer Officer*
MURRAY, John D., *President*
CAMPBELL JR, Olin G., *VP-Operations*
CHURCH, George H., *Manager-Corporate Property*
CUPPOLA, Mary K., *Administrative Asst*
DUDLEY, Lane M., *Corporate Accounting*
MORGAN, Lynn A., *Communications Director*
OGORZALY, Deborah A., *Controller*

Delaware Family Branch YMCA 4023
2564 Delaware Avenue, Buffalo, NY 14216
(716) 875-1283
FAX: (716) 875-9198
STADNOWSKI, Robert, *Chief Volunteer Officer*
SCINTA, Anne M., *Executive Director*
DOMBROWSKI, Lynn A., *Program Director*

Humboldt Family Branch YMCA 4035
347 East Ferry Street, Buffalo, NY 14208
(716) 883-8622
FAX: (716) 875-9190
Residence: 19 BEDS - MALES ONLY
NOBLE, Ed, *Chief Volunteer Officer*
CHAPMAN, Michael, *Executive Director*

Ken-Ton Branch YMCA 4040
535 Bellevue Avenue, Kenmore, NY 14223
(716) 874-5051
FAX: (716) 875-9190
DYET, Anne, *Chief Volunteer Officer*
FREY, Susan B., *Executive Director*
SHEETS, Renee J., *Program Director*
TARNOWSKI, Therese J., *Program Director*
WARD, Mary P., *Program Director*

Northeast Branch YMCA 4043
4423 Main Street, Amherst, NY 14226
(716) 833-2543
FAX: (716) 875-9195
HARRION, Mark, *Chief Volunteer Officer*
GALLAGHER, Sterling T., *Executive Director*
GREMER, Anita B., *Program Director*
MARRIOTT, Sharon F., *Program Director*
TANTILLO, Margaret A., *Program Director*
ZAZYWSKI, William T., *Program Director*

South Towns Branch YMCA 4061
S 3635 Egypt Road, Orchard Park, NY 14127
(716) 662-9369
FAX: (716) 875-9198
BLUSH JR., Ray, *Chief Volunteer Officer*
HARDICK, Gayle, *Executive Director*
MERRITT, Timothy S., *Program Director*
VITKO, Tamsey L., *Program Director*

Weona Camps 4107
2564 Delaware Avenue, Buffalo, NY 14216
(716) 876-2465
FAX: (716) 875-9196
WHITE, John E., *Chief Volunteer Officer*
MARKS, David E., *Executive Director*

William Emslie Branch YMCA 4067
585 William Street, Buffalo, NY 14206
(716) 845-5440
FAX: (716) 875-9195

STITTS, Lawrence, *Executive Director*
MENDELSON, Justin M., *Program Director*
WILLIAMS-WALTON, Ollie R., *Director-Senior Services*

Camp Dudley YMCA 4082
Dudley Road, Westport, NY 12993
(518) 962-4720
SCHMIDT, William J., *Camp Director*

Greater Canandaigua Family YMCA 4083
32 North Main Street, Canandaigua, NY 14424
(716) 394-0880
PEASE, Robert, *Chief Volunteer Officer*
HALLETT JR, E. W., *Executive Director*
GROSS, Laura M., *Program Director*

Capital District YMCA 4416
1492 Central Avenue, Albany, NY 12205
(518) 869-3800
FAX: (518) 869-3082
MORAN, Jack, *Chief Volunteer Officer*
FLYNN, John F., *President*
BATCHELDER, Susan M., *Asst Director-Fin Dev*
BAXTER, Frederick D., *Director-Financial Serv*
GUAY, Catherine, *Asst Director-Fin Servs*
HAMLIN, Eileen M., *VP-Development*
RANDER, Cynthia S., *Bookkeeper/Data Proc Supr*
MEAKIN, Margaret D., *Senior VP*
STREFE, Barbara S., *Executive Assistant*

Albany Branch YMCA 3987
274 Washington Avenue, Albany, NY 12203
(518) 449-7196
FAX: (518) 434-0266
ROESCH, Ellen S., *Chief Volunteer Officer*
SWADBA, Cynthia M., *Vice President*
BEAR, Sharon, *Marsha/Rdrg Director*
GASOROWSKI, Lynn C., *Administrative Asst*
GOMEZ-LOPRESTI, Yasmin, *Child Care Director*
MAHONEY, Richard A., *Senior Program Director*
POINTER JR, Howard M., *Maintenance Director*
RICKS, Heidi, *Aquatics Director*
TREECE, Eric L., *Physical Director*

Camp Chingachgook 4419
4 Old Route 146, Clifton Park, NY 12065
(518) 373-0190
FAX: (518) 383-2749
LEVI, Edward J., *Chief Volunteer Officer*
PAINTER, George W., *Executive Director*
BRAMBEGE, Lynn E., *Registrar/Secretary*
CORBIN, Cynthia, *Administrative Asst*
GAMBLE, Christopher B., *Senior Program Director*
RYAN, Daniel, *Property Director*
SWEET, R. Kenison, *Program Director*

Mount Pleasant Branch YMCA 4420
13 State Street, Schenectady, NY 12305
(518) 374-9136
FAX: (518) 370-5820
KING, Charles, *Chief Volunteer Officer*

Parkside Family Branch YMCA 4424
127 Drums Road, Scotia, NY 12302
(518) 399-8118
FAX: (518) 399-1925
TOMLINSON, Scott, *Chief Volunteer Officer*
CORNELL, Frederick H., *Executive Director*
BROWN, Christopher W., *Physical/Aquatics Director*
[illegible]

Schenectady Branch YMCA 4
13 State Street, Schenectady, NY 12305
(518) 374-9136
FAX: (518) 370-5820
Residence: 168 BEDS - MALES ONLY
MCMANUS JR., Douglas, *Chief Volunteer Office*
PERK, Peter, *Vice-President*
POST, Benjamin S., *Assoc Executive Director*
BARKER, Robert P., *Residence Serv Director*
JOHNSON, L Rayette, *Child Care Director*
GROSE, Chandler, *Residence Case Mgr*
PAQUETTE, Lynne M., *Program Director*
PAUL, Jane F., *Administrative Asst*
PETERS, Barbara A., *K-Care Director*
STRINGER, Peggy, *Asst Child Care Director*
WALDEN, Clifton F., *Residence Care Manager*

Southern Saratoga County Branch YMCA .....
4 Old Route 146, P.O. Box 91, Clifton Park, NY 12065
(518) 371-2139
FAX: (518) 383-2749
THOMAS, Theodore, *Chief Volunteer Officer*
TURNER, Virginia A., *Executive Director*
CHERRY, Pamela A., *K-Care Director*
HITH, Renee M., *Assoc Program Director*
LINDYBERG, Eugenia, *Child Care Director*
PASTIZZO, Janice, *Program Director*

Troy Family Branch YMCA .....
2500 21st Street, Troy, NY 12180
(518) 272-5900
FAX: (518) 272-6609
SILVER, Gerald, *Chief Volunteer Officer*
FITZGERALD, Maureen N., *Executive Director*
CHEN, Robert, *Program Director*
PALOMBO, Wayne, *Maintenance Director*
WABER, Melissa J., *Administrative Asst*

Central & Northern Westchester YMCA .....
250 Mamaroneck Avenue, White Plains, NY 10
(914) 948-6030
FAX: (914) 948-6419
WINSTEAD, David V., *Chief Volunteer Officer*
BROCKWAY, Kenneth H., *President/CEO*
CACCIOLA, Kathy, *Personnel Director*
CHEN, Ting, *Chief Financial Officer*

Mount Vernon Family Center .....
20 South Second Avenue, Mount Vernon, NY
(914) 668-4041
FAX: (914) 668-8607
Residence: 38 BEDS - MALES ONLY
MCPHERNEY, William, *Chief Volunteer Officer*
FERNEY, Robbin S., *Associate Executive*
TESTAMARK, Leroy, *Building Supt*

Port Chester/Rye Brook Family Center .....
400 Westchester Avenue, Port Chester, NY 1
(914) 939-7500
FAX: (914) 939-7206
Residence: 38 BEDS - MALES ONLY
MUCCIO, Diane, *Chief Volunteer Officer*
GANTZ, Amy, *Program Coordinator*
MOSTUE, Ilse, *Childcare Director*

White Plains Family Center .....
250 Mamaroneck Avenue, White Plains, NY 1
(914) 949-6030
FAX: (914) 948-6419
Residence: 187 BEDS - MALES ONLY
[illegible]

Resident Camps Branch YMCA 4398
444 East Main Street, Rochester, NY 14604
(716) 328-2989
FAX: (716) 454-1329
HAMPTON, Linda, *Chief Volunteer Officer*
FISHER, Barbara A., *Executive Director-C*
ENOS, Gerald M., *Camp Ranger*
MENDELLY, Peter R., *Camp Ranger*

Southeast Branch YMCA 4399
111 East Jefferson Road, Pittsford, NY 14534
(716) 986-4986
FAX: (716) 381-5808
YEGAWICH, Paul, *Chief Volunteer Officer*
ROMELL, George M., *Executive Director*
VOSSLER, Carla J., *Associate Executive*
ANDERSON, Paul M., *Program Director*
FEDELE, Richard J., *Prog Director-Youth Camp*
HUNT, Deborah, *Program Director*
LOUGHER, Melissa M., *School Age Child Director*
ROTHFUSS, Blair H., *Aquatics Director*
SCHUBER, Holly A., *Director-Health Fitness*

Southwest Area Family Branch YMCA 4372
240 Arnett Blvd, Rochester, NY 14619
(716) 328-9330
FAX: (716) 328-6298
BAUERS, Wilbur, *Chief Volunteer Officer*
DELLOR, Jeffrey P., *Executive Director*
BROWN, Jason D., *Program Director*
NAPIERALSKI, Molly L., *Program Director*
WERNER, Kristin M., *Director-Child Care*

University of Rochester-Campus YMCA 4393
407 Wilson Commons, U of R River Campus,
Rochester, NY 14627
(716) 275-5957
THOMPSON, Rob, *Chief Volunteer Officer*

■ Rockland County YMCA 4400
39 South Broadway, Nyack, NY 10960
(914) 358-0219
GRANT, Edward, *Chief Volunteer Officer*
PEDERSEN, David A., *Executive Director*
GOLDBERG, Nada, *Personnel Administrator*
PECHAR, Marcela, *Financial Admin*

Nyack Branch YMCA 4402
39 South Broadway, Nyack, NY 10960
(914) 358-0266
HALL, Jeffrey, *Chief Volunteer Officer*
FOLKEMER, Barbara L., *Branch Director*
PINTZY, Devora R., *Asst Aquatic Director*
JACKSON, Deborah, *Membership Director*
JACOBY, Michael, *Aquatic Director*
MILLER, Kyle, *Early Childhood Director*
NEWMAN, Carolyn C., *Program Director*
PEREZ, Gladys, *Head Tchr Child Care*
REEDY, Lucy, *Schedgo Ce Director*
SEAMAN, William, *Facilities Manager*
WEITZMAN, Bruce M., *Fitness Ce Director*

Suffern Branch YMCA 3721
91 Washington Avenue, Suffern, NY 10901
(914) 357-4606
MARRIN, Neil, *Chief Volunteer Officer*
MATRAFARO, Dino, *Branch Director*
AENIN, Adriana H., *Nursery School Director*
CASCIOLI, Therese L., *Day Care Director*
MORAN, Karen C., *Director-Last Child Care*
STEGERMAN, [illegible] A., [illegible]

■ Rome Family YMCA 4404
301 West Bloomfield Street, Rome, NY 13440
(315) 336-3500
FAX: (315) 336-4976
HARDEN, Gregory, *Chief Volunteer Officer*
TAYLOR-SCHMITT, Nancy, *CEO/Executive Direct*
ARMSTRONG, John A., *Building Supt*
BARBER, Jan, *Sp Population Director*
CERESOLI, Anthony F., *Assoc Executive Director*
DONATELLI, Tammy L., *Soec/Youth Director*
FAHEY, Gary R., *Assoc Executive Director*
FLEMING, Leslie T., *Kindercare/Youth Director*
MACNAUGHTON, Melissa J., *Daycare/Youth Director*
PERRELLOUR, Phenon R., *Adm Asst-Exec-Secy*
PLOUFFE, Judy A., *Finance Director*
SAMMONS, Laura A., *Aquatic Director*
WOLCOTT, Margaret E., *Senior Serv Director*

Tri-Valley Branch YMCA 4405
701 Seneca Street, Oneida, NY 13421
(315) 363-7780
FAX: (315) 363-7352
HARDEN, Gregory, *Chief Volunteer Officer*
TAMBURRO, Mary Anne, *Director-PR/Spl Even*

■ Rye YMCA 4406
21 Locust Avenue, Rye, NY 10580
(914) 967-6383
FAX: (914) 967-6844
BRIDGING, Terry, *Chief Volunteer Officer*
MONNESSEY, John P., *Executive Director*
BOSN, James, *Aquatic Director*
DUCHIRAZA, Jesus, *Head Custodian*
LORD, Stephanie, *Administrative Asst*
MOGRIDGE, Helene G., *Senior Program Director*

■ Saratoga YMCA 4412
282 Broadway, Saratoga Springs, NY 12866
(518) 584-6590
TRIMBUR, Nancy, *Chief Volunteer Officer*
WRIGHT, Gary, *Executive Director*
BOONE, Roberta A., *Early Childhood Director*
DECOTEAU, Jane E., *Admin Asst-Finance*
HOLLENBECK, Lynn A., *Health/Fitness Director*
LEU, Sharon R., *Assoc General Director*
TANSKI, Chris, *Aquatic Director*

■ Silver Bay Associates 4116
Silver Bay, NY 12874
(518) 543-8833
FAX: (518) 543-8733
CONFERENCE CENTER: 820 BEDS
BROWN, Joanne, *Chief Volunteer Officer*
JOHNSON, Mark C., *Executive Director*
CHAMPSOND, Gerald T., *Director-Facilities Mgmt*
KISSELBACK, David E., *Director-Conf Rel/Mkts*
BUTKOWSKI, Mark T., *Senior Program Director*
SPAHR, Susan M., *Asst Program Director*
TAMLYN, Walter Bruce, *Director-Personnel/Training*

■ Greater Syracuse YMCA 4432
340 Montgomery Street, Syracuse, NY 13202
(315) 474-0794
FAX: (315) 474-8857
DUGGAN, Martin M., *Chief Volunteer Officer*
BALLSCHNEIDER, Joyce M., *Chief Financial Off*
DAVENPORT, George O., *General Executive Director*
DIXON, Bonnie, *Metro Child Care Director*
LACOUA, Diane L., *Director of Administration*
KOZLOWSKI, Kim A., *Marketing-Membership Director*
VERMILYA, Cheryl A., [illegible]

Downtown Branch YMCA 4434
340 Montgomery Street, Syracuse, NY 13202
(315) 474-6881
FAX: (315) 474-8857
Residence: 91 BEDS - MALES ONLY
DUNCKEL, Melanie, *Aerobics Program Dir*
GAULKE, Roger, *Director-Bldgs/Grounds*
LESKO, Stephen, *Director-Bldgs/Grounds*
OLSON, Rebecca A., *Aquatic Director*
PIAZZA, Mary B., *Residence Director*
RIDER, Dennis, *Program Director*

East Area Branch YMCA 4433
4799 Street Road, Manlius, NY 13104
(315) 637-8430
REINER, Richard B., *Branch Manager*
BECKER, Theodore D., *Program/Camp Director*
KEMP, Joan S., *Office Manager*

North Area Family Branch YMCA 4436
4775 Wood Road, Liverpool, NY 13088
(315) 451-2862
FAX: (315) 451-2865
CARTLEDGE, Mark F., *Branch Manager*
DECATUR, Anna, *Day Care Director*
GILBERT, Raymond, *Director Bldgs/Grounds*
O'NEILL, Jennifer J., *Preschool Coordinator*
WAGNER, Rosemary R., *Aquatic Director*

■ Tarrytown & North Tarrytown YMCA 4440
62 Main Street, Tarrytown, NY 10591
(914) 631-4807
FAX: (914) 631-4941
Residence: 53 BEDS - MALES ONLY
KENYON, Brad, *Chief Volunteer Officer*
MOGRIDGE, Christopher A., *President/CEO*
CAPPELLO, Cheryl A., *Membership Serv Director*
CARO, Nancy J., *Director-Programs/Membership*
CORDERO, Jacqueline, *Aquatic Director*
MURRAY, Lawrence J., *Properties Manager*

■ Utica YMCA 4448
726 Washington Street, Utica, NY 13502
(315) 735-8581
Residence: 84 BEDS - ADULTS ONLY
BERNER, David, *Chief Volunteer Officer*
GOEBEL, Kenneth R., *Executive Director*
CARLSON, Robert H., *Resident/Front Desk Manager*
COLBEY, Pauline M., *Child Care Ce Director*
PLOUFFE, Michelle, *Program Administrator*
SABIUS, Nicholas, *Building Director*
SUBA, Wendy P., *Physical Director*
WILLIAMSON, Monroe, *System Administrator*

■ Watertown Family YMCA 4452
8 Public Square, Watertown, NY 13601
(315) 782-3100
STEVER III, Arthur, *Chief Volunteer Officer*
BURNS, Michael J., *Executive Director*
BURR, Timothy J., *Youth Director*
BUSKIRK, David C., *Director-Health/PE*
FARGO, Margaret, *Soec Director*
STREBLOW, Brenda J., *Computer Operations Mgr*

■ Yonkers YMCA 4468
17 Riverdale Avenue, Yonkers, NY 10701
(914) 963-0183
FAX: (914) 963-8036
Residence: 75 BEDS - MALES ONLY
MCCRUDDEN, Lawrence, *Chief Volunteer Officer*
[illegible]

NORTH CAROLINA

■ Alamance County Community YMCA 4
1340 South Main Street, Burlington, NC 2721
(919) 227-2061
GANT, Allen, *Chief Volunteer Officer*
HAYNES, Harry R., *General Director*
HARRIS, Jan D., *Bowling/Maintenance Direc*
HAYNES, Connie S., *Program/Fitness Directo*
KINGSMORE, Harry O., *Health Club Director*
LINEBERRY, Melissa A., *Program/Camp Dire*
O'NEIL, Jamie E., *Aquatics Director*
SMITH, Elizabeth E., *Program/Gymn Director*
TURNEY, Gerald B., *Program Director*

■ Asheville & Buncombe YMCA 4
30 Woodfin Street, Asheville, NC 28801
(704) 252-4726
SMITH, Jack, *Chief Volunteer Officer*
KANTOWER, William A., *Chief Executive Off*
BENSON, Brad, *Boys Overnight Director*
FLEMING, Billy L., *Assoc Executive Director*
LOWE, Mary O., *Physical Director*

Central Services Branch YMCA 4
30 Woodfin Street, Asheville, NC 28801
(704) 252-4726
CULLOM, Judy C., *Director-Fitness/Fam*
WATERS JR, Clyde L., *Health Services Dire*

Community Services Branch YMCA 4
201 Beaverdam Road, Asheville, NC 28804
(704) 293-4708
BRANK SR, Larry, *Director-Community P.*
FOWLER, June, *Child Care Director*
LEWIS, John, *Director-Spl Youth Programs*
WATERSON, Dorothy R., *Girls Outreach Di*

■ Bertie County YMCA 4
P.O. Box 834, Windsor, NC 27983
(919) 794-9822
POWELL, Agnes B., *Chief Volunteer Officer*
LOW, Jonathan E., *Executive Director*

■ Blue Ridge Assembly YMCA 4
84 Blue Ridge Circle, Black Mountain, NC 281
(704) 669-8422
FAX: (704) 669-8487
CONFERENCE CENTER: 893 BEDS
CRAIG, William R., *Chief Volunteer Officer*
HIBBARD, C. Roger, *Executive Director*
BARTLETT, Barbara B., *Accountant*
CAWTHORN, Cynthia F., *Administrative Sec*
GARNER, Richard E., *Maintenance Supt*
KELLY, Kenneth R., *Operations Director*
OPAGER, Kimberly A., *Front Desk Supervisc*
REHBERN, Polly A., *Asst Conf Director*
SABATO, Mike, *Personnel Director*
SCOTT, Evelyn G., *Housekeeping Supv*
THOMAS, John P., *Marketing Director*

■ Cannon Memorial YMCA & Cmty. Center ..
YMCA Drive, P.O. Box 48, Kannapolis, NC 28
(704) 933-5121
FAX: (704) 933-7800
RAPE, Melvin, *Chief Volunteer Officer*
DAVEY, Roland L., *Executive Directo /C*
BURNE, Jan R., *Health Enhancement Directo*
CROMER, Dorothy R., *Child Care Director*
[illegible]

McBurney Branch YMCA 4284
216 West 23rd Street, New York, NY 10011
(212) 741-9210
FAX: (212) 741-0012
Residence: 278 BEDS - ADULTS ONLY
HANLEY, Robert, *Chief Volunteer Officer*
CUSTER, Paul D., *Executive Director*
BYRUM, Thomas N., *Residence Director*
CAULFIELD, Judith A., *Info Serv Director*
FEINBERG, Dana R., *Asst Physical Director*
HARTOP, David K., *Director-Health/PE*
KELSH, Donna, *Director-Elder Program*
LIPSKI, Barbara H., *Assoc Executive Program*
MALONEY, John W., *Building Supt*
MARIZZANO, Ravenna Y., *Teen Director*
SHARIF, Abdul T., *Business Manager*
SIMON, Barbara A., *Director-Services House*
WATTS, Sharon C., *Youth Director*
WEISS, John D., *Director-Membership/Dev*

North Brooklyn YMCA-Ecstora District Center 4247
125 Hoskoldt Street, Brooklyn, NY 11206
(718) 782-9300
FAX: (718) 782-1474
TOM, Diana, *Chief Volunteer Officer*
CASTRO, Juan, *Executive Director*
GOLDOWITZ, Beth, *Center Director*
MANARIO, Desmond F., *Fiscal Officer*
MASON JR, Radcliffe S., *Program Director*
MORALES, Raymond, *Govt Contract Coord*
MORLOS, Rory P., *Project Director*
PEREZ, Ida, *Aquatic Director*
ZUBMAN, Miriam, *Area Wide Director*

North Brooklyn YMCA-Twelve Town Center 4272
670 Jamaica Avenue, Brooklyn, NY 11208
(718) 277-1900
FAX: (718) 277-2081
Residence: 94 BEDS - MALES ONLY
BAWTER, Leroy, *Chief Volunteer Officer*
CANEZALES, Mario S., *Fiscal Officer*
GRECO, Kathryn, *Admin Asst/Mbr Director*
HOCK, Maria K., *Program Director*
OCASIO, Lola, *Building Supt*
SOLAZZO, Bartolomew A., *Aquatic Director*

Prospect Park-Bay Ridge YMCA 4282
357 Ninth Street, Brooklyn, NY 11215
(718) 768-7100
FAX: (718) 499-0426
Residence: 258 BEDS - MALES ONLY
FERRARA, Richard, *Chief Volunteer Officer*
MCCOY, Diane D., *Executive Director*
ADAMS, Sharon A., *Director-Early Childhd Ctr*
ARBERNY, Emily, *Business Manager*
BURGESS, Gordon R., *Building Supt*
COHEN, Adel F., *Teacher/Director*
JEAN-JACQUES, Marjorie G., *Director-Development*
LYONS, William L., *Youth Director*
OSWALD, Stephen, *Senior Program Director*
PILGRIM, Robert C., *Residence Director/Hlwrb Svs*
RAPPAPORT, John M., *Aquatic Director*

Staten Island Branch YMCA 4300
661 Broadway, Staten Island, NY 10310
(718) 981-4933
FAX: (718) 720-4306
D'ARRIGO, Norma, *Chief Volunteer Officer*
ALLOCCO, Linda L., *Executive Director*
BENVARDELLO, Stella, *Senior Program Director*
CAMPBELL, Patricia A., *Center Director*
DIOVAR-SAADI, Irene, *Asst Director*
FABERZAK, Joan A., *Membership Director*
FLORES, Helen T., *Interim Center Director*
LARSEN, Karen M., *Business Manager*
MALTEMPI, Camilla J., *Early Childhood Director*
MONGILLO, Geraldine, *Early Childhood Director*
REGAN, Allison, *Aquatic Director*
ROBINSON, Helen, *Early Childhd Director*
SEMERAD, John, *Youth Director*
SEYCHELL, William, *Aquatics Director*
STERN, Beth A., *Assistant Director*
VALENTI, Louis A., *Building Supt*

Vanderbilt Branch YMCA 4260
224 East 47th Street, New York, NY 10017
(212) 755-2610
FAX: (212) 755-7679
Residence: 430 BEDS - ADULTS ONLY
MARSH, Dolores, *Chief Volunteer Officer*
JACOBS, Betty S., *Executive Director*
ARTONESCU, Eugenia, *Business Operations Mgr*
CADNY, Gerard, *Building Serv Director*
FERRANTE, Sherry A., *Director-Mbrship Serv*
GALLAGHER, Susan, *Early Childhood Director*
GALLANTY, Julie A., *Youth/Fam Svs Director*
GALLUCCI, Laura A., *Director-Health/PE*
HENRY, Valerie, *Managing Director-Y's Way*
HYLTON, Marjorie M., *Office Mgr/Admin Asst*
MAHR, Barry, *Hotel General Manager*
MEADOWS, Robert, *Aquatic Director*
ROCHA, Maria M., *Asst Business Manager*
TALBERT, Carlos, *Asst Finance Admin*
TOLLINCHI-BERT, Susanna, *Assoc Youth Director*
TRBOYEVICH, Arsenija, *Property Manager*

West Side Branch YMCA 4312
5 West 63rd Street, New York, NY 10023
(212) 787-4400
FAX: (212) 580-0441
Residence: 520 BEDS - ADULTS ONLY
CROPPER, Steve, *Chief Volunteer Officer*
WILLIAMS IV, Ravenell, *Associate Executive*
BENNETT, Kimberly L., *Sales Representative*
CALDERON, James E., *Chief Engineer*
CATON, Mary E., *Wellness Director*
COREY, Jeannette, *Early Childhood Director*
GOLDEN, Veronica, *Teacher/Director*
GRUBER, Rene T., *Sales Director*
HEIDEL, Kevin M., *Asst Sports Flt Director*
KORKMAZ, Ali K., *Sr Director-Finance Admin*
MARSH, Marilyn, *Director-Marketing/Dev*
O'CONNOR, Eileen P., *Director-Child Care/YM/Fam*
PAYNTER, Vanessa Y., *Asst Sports/Flt Director*
SANCHEZ, Nelson, *Residence Director*
SOSLAND, Cynthia R., *Director-Writers Voice*

■ Newburgh YMCA 4297
64 Grand Street, P.O Box 428, Newburgh, NY 12550
(914) 561-4060
Residence: 9 BEDS - MALES ONLY
SCHUYLER, J. Barry, *Chief Volunteer Officer*
FOGARTY, Peter J., *Executive Director*

■ Niagara Falls Family YMCA 4330
1317 Portage Road, Niagara Falls, NY 14301
(716) 285-9481
Residence: 58 BEDS - MALES ONLY
MOORE, Richard F., *Executive Director*
ALCORN, Jessica, *Child Care/Prog Director*
CONSTANTINO, Salvatore A., *Branch Dir*

DAUL, Mark S., *Program Director*
DAUL, Shelly A., *Prog/Membership Director*
EBERHART, Arthur, *Assoc Executive Director*
GUERIN, Michele, *Child Care Adm Director*
HOCKENBERRY, Gerald L., *Maintenance Director*
LEO, Patrina M., *Youth Director*
SIGMORE, Sandra E., *Fam/Hlth/Fitness Director*
VENDETTI, Angela M., *Financial Serv Director*

■ Norwich YMCA 4339
68-70 North Broad Street, Norwich, NY 13815
(607) 336-9622
EMERSON, Thomas, *Chief Volunteer Officer*
SHERMAN, David P., *Executive Director*
EATON, Paul R., *Aquatic Director*
MCNITT, Barbara M., *Administrative Asst*
MULLER, James N., *Physical Director*
PHELAN, Gerald, *Facility Director*
TURNER, Linda, *Youth Program Director*

■ Olean YMCA 4342
130 South Union Street, Olean, NY 14760
(716) 373-2400
Residence: 30 BEDS - MALES ONLY
MOORE, Norman L., *Chief Volunteer Officer*
WALSH, Nancy C., *Executive Director*
CONSIDINE, Nancy R., *Business Director*
GESSONS, James L., *Building Superintendent*
HOSTUTTLER, Gail E., *Child Care Director*
MCGONNELL, Joan M., *Assoc Executive Director*
PASCUCCI, Michelle A., *Aquatic Director*
STOFER II, John T., *Asst Program Director*
SWEITZER, Barbara L., *Program Development Director*

■ Oneonta Family YMCA 4346
20-26 Ford Avenue, Oneonta, NY 13820
(607) 432-0011
MOYER, Joan, *Chief Volunteer Officer*
MILLER, Richard A., *Executive Director*
AIKENS, Betty A., *Aquatics Director*
GREENBLATT, Kathie A., *Program Director*
RASELER, Michelle A., *Physical Director*

■ Oswego YMCA 4350
249 West First Street, Oswego, NY 13126
(315) 343-1851
MCKINSTRY, Robert, *Chief Volunteer Officer*
MARMICCA, Diane, *Executive Director*
CUNNINGHAM, Melissa A., *Program Director*
FADDEN, Elizabeth M., *Corp Wellness Coord*
LAVNER, Michael S., *Youth Ctr Director*
LOCY, Sherry L., *Respite Coordinator*
PALMERONE, Laura, *Adult Fitness/Outreach*
WARWICK, Mary S., *Office Manager*
WELLS KELLY, Catherine, *Preschool Director*

■ Plattsburgh YMCA 4354
13 Oak Street, Plattsburgh, NY 12901
(518) 561-4290
JEFFORDS, Larry, *Chief Volunteer Officer*
KILLEEN, Kevin J., *Executive Director*
HEADLEY, Ronald D., *Building Supt*
HOLZER, Laura A., *Program Director*
LUCIA, Diane D., *Administrative Asst*
MENTRO, Susanne A., *Child Center Director*
SAYLES, Donna R., *Senior Aquatic Director*
SHEFFIELD, Yvette R., *Serv Director*

■ Greater Rochester YMCA 4
Corporate Offices, 444 East Main Street, Rochester NY 14604
(716) 546-5880
FAX: (716) 454-1328
HERLEMAN, David, *Chief Volunteer Officer*
RHODES, Jacob A., *President/CEO*
ALVARADO-ZIEGLER, Noemi, *Professional In Training*
BENHAM, Richard H., *Manager-Corp Properties*
DUVAL, Donald F., *VP-Human Resources/Training*
GREENWOOD, Thomas L., *VP-Strategic Planning Dev*
NORTHRUP, Marie, *Data Processing Mgr*
PHELPS, Dodd L., *VP-ARC*
SMITH, Paul B., *Controller*
SPENCER, Kathleen H., *VP-Finance*
TERA, Hope, *Office Manager*

Bay View Branch YMCA
1209 Bay Road, Webster, NY 14580
(716) 671-8414
FAX: (716) 671-7268
CURTIN, Tom, *Chief Volunteer Officer*
WELDGEN, Elena P., *Assoc Executive Dir*
HENDRICKSON Stephen R., *Program Director*
MCFAUL, Laura A., *Director-Aquatics*
MOORE, Dennis T., *Health Fitness Director*
SCHUBER, Mike F., *Program Director*

Chester F. Carlson Metrocenter YMCA
444 East Main Street, Rochester, NY 14604
(716) 325-2000
FAX: (716) 454-1328
KARL, Gary, *Chief Volunteer Officer*
DOHERTY, Brian E., *Executive Director*
BROWN JR, Julian, *Program Director*
HAMMOND, Barbara J., *Aquatic Director*
KENYON, Teri A., *Child Care Serv Director*
RHODES, Kathleen, *Assoc Child Care Director*
SEWARD, Lisa L., *Program Director*
SMITH, Robin S., *Urban Services Director*
VANBELLOW, Amy C., *Director-Membership*

Maplewood Branch YMCA
25 Dinino Park Avenue, Rochester, NY 14613
(716) 647-3880
FAX: (716) 647-3867
GRAHAM, James, *Chief Volunteer Officer*
CHASE, Frederick P., *Executive Director*
HEATH, James W., *Director-Youth Services*
STEINGREMER, Amy A., *Program Director*

Monroe Branch YMCA
797 Monroe Avenue, Rochester, NY 14607
(716) 271-6320
FAX: (716) 271-4208
CYGANOVICH, Magdalyn, *Chief Volunteer*
WEBER, Kathleen H., *Executive Director*
LEWIS, Matthew W., *Program Director*
VAIANA, Jerome J., *Director-Youth Sports*

Northwest Family Branch YMCA
730 Long Pond Road, Rochester, NY 14612
(716) 227-3980
FAX: (716) 227-4829
O'GORMAN, Thomas, *Chief Volunteer Offic*
RUSSELL, Michael, *Executive Director*
FINCH, Kathie C., *Program Director*
JONES, Linda S., *Program Director*
SHIMKONIS, Steve F., *Health/Fitness Dir*
SOUTHARD, [illegible] J., *[illegible]*

SIFULCO, Frank, *Building Supt*
CACIOPPO, Jane E., *Asst Physical Director*
KELLY, Maureen, *Asst Physical Director*
MARESCO, Jeno, *Asst Aquatic Director*
MURRAY, Eileen, *Administrative Asst*
WEDLEY, Dorothy J., *Fitness Director*

Smithtown Branch YMCA 4199
Edgewood Avenue, P.O. Box 807, Smithtown, NY 11787
(516) 265-6344
MAJUK, William A., *Chief Volunteer Officer*
LAMBERTA, Gail, *Executive Director*
MERIDORI, Denise L., *Program Director*

Middletown YMCA 4163
91 Highland Avenue, Middletown, NY 10940
(914) 343-1159
FAX: (914) 343-1484
KAMAN, Bill, *Chief Volunteer Officer*
GARTNER, Russell D., *Executive Director*
BRERY, Paul E., *Maintenance Supv*
GRILL, Patrice E., *Assoc Program Director*
MCCORMICK, Betty J., *Membership Director*
MCCUTCHAN, Thomas W., *Physical Director*
NOLAN, Colleen A., *Controller*
QUIRONES, Arlinda R., *Aquatic Director*
RANCK, Michael L., *Assoc Executive Director*

Mohawk Valley YMCA 4065
93 East Main Street, Mohawk, NY 13407
(315) 866-6878
VALLESE, Bruno, *Chief Volunteer Officer*
BOEPPLE, Karin A., *Accounts Manager*
CONANT, Deborah J., *Youth Program Director*

New Rochelle YMCA 4211
59 Weyman Avenue, New Rochelle, NY 10805
(914) 632-1318
FAX: (914) 632-7140
VASILE, John, *Chief Volunteer Officer*
PARRINGTON, Kenneth J., *Executive Director*
DELAHUNT, Debra A., *Senior Program Director*
ROGERS, Evelyn, *Business Manager*

YMCA of Greater New York 4221
333 Seventh Avenue, New York, NY 10001
(212) 630-9900
FAX: (212) 630-9904
BOYLE, Richard J., *Chief Volunteer Officer*
GAVIN, Paula L., *President*
ATWATER, John A., *Asst Controller*
BAYER, Lester J., *Corp Teen Prog Coord*
BERGERON, Anne T., *Director-Plng/Dev*
BHATNAGAR, Yatwant S., *VP-Property Mgmt*
BIANCHI, Richard T., *Projects Director*
BOLSINGER, Martha L., *Sr VP-Operations*
CARVAJAL, Barbara A., *Senior Accountant*
DEL RE, Ronald P., *Mis Director*
DORF-FRIEDMAN, Laurie, *Director-Human Resources*
EDENS, Susan J., *Programmer Analyst*
FORD, Madeline H., *VP/Corp Secy*
GERYK, Robert J., *Assistant Controller*
GOLDT JR, Walter C., *Sr Field Consultant*
GONZALEZ, Lucy, *Mis Trainer*
GUADALUPE, Nancy R., *Administrative Asst*
GUARINO, Michael, *Controller*
HALEY, Ronald E., *Internal Auditor/Risk Mgr*
HARRIS, Jackie C., *MIC Staff Assoc/Trng Dir*
[redacted]

KORN, Richard, *Cash Mgmt/Ap Manager*
LANE, Edward A., *Project Director*
LESNINSKY, Barbara L., *VP-Fund Development*
MALLIANDI, Paula C., *Director-Mktg/Public Relations*
MCGEE, Michele, *Administrator*
MURPHY, Eleanor R., *Director-Emp/Vol Dev*
PEREIA, Jennie, *Director-Per Admin/Emp*
POSTE, Linda J., *Payroll Manager*
PREB, John M., *Senior VP/Cfo*
ROCHA, Susana A., *Senior Accountant*
SHRIDER, Jason, *Exec Director-Natl Writers*
SIMONSEN, Elena, *Hhr Director*
SOBEL-COHEN, Bonnie E., *Director-Communications*
SPEZZANO, Michael J., *Corp Program Director*
STOLTZ, Roger F., *Computer Operations Mgr*
SUMMERS, Stephen J., *Visual Arts Coord*
TURPIN, Kenneth B., *Executive VP*
WHITE, Kenneth J., *VP/MIC*
WILKINS, Charles O., *VP-Human Resources*
WILLIAM, Kathleen, *Department Admin*
ZIMMER, Denise E., *Director-External Programs*

Bedford-Stuyvesant Branch YMCA 4225
1121 Bedford Avenue, Brooklyn, NY 11216
(718) 789-1497
FAX: (718) 639-1636
FERNANDEZ, Benito R., *Chief Volunteer Officer*
REYNOLDS, Rosaco C., *Executive Director*
CHAVIS, Lloyd W., *Building Engineer*
CHISSA, Maurice E., *Tech School Director*
CLARJEONE, Yvon S., *Social Worker*
GRIMES, Joseph, *Program Coord*
LANIER, Calvin L., *Sr Director-Fund Prog*
MALIK, Ali Abdul, *Youth Program Director*
MILES, Ingrid P., *Instructor*
ORTIZ, Rafael, *Senior Instructor*
SIMONSEN, Francis J., *Center Director*
THOMPSON, Anthony C., *College Advisor*
VAN DE CRUZE, Samuel J., *Aquatics Director*
WATSON, Charles E., *Business Mgr/Fiscal Off*
WILLIAMS, Darlene, *Spec Ed Advocate*

Bronx Branch YMCA 4303
2244 Westchester Avenue, Bronx, NY 10462
(212) 931-2800
FAX: (718) 931-2868
ELICH, Daniel F., *Chief Volunteer Officer*
MAZE, Charles R., *Executive Director*
ARRIGHI, Geraldine, *Assoc Exec Director*
MAXWELL, Robert S., *Building Supt*
MORTENSEN, Rosemarie, *Director-Early Childhood*
NEWELL, Margaret, *Administrative Asst*
NEWELL, Michael E., *Business/Property Mgr*
PAGAN, Jane T., *Assoc Center Director*
THOMAS, Mary C., *Youth Program Director*

Brooklyn Central Branch YMCA 4233
218 Hicks Street, Brooklyn, NY 11201
(718) 522-5000
FAX: (718) 875-7865
ROOS IV, William A., *Chief Volunteer Officer*
WEIDANZ, Charles W., *Executive Director*
TRAPANI, Loretta T., *Youth Program Director*

Camping Services Branch YMCA 4234
Big Pond Road, Huguenot, NY 12746
(914) 856-4382
FAX: (914) 856-7923
PHILLIPS, Charles G., *Chief Volunteer Officer*
[redacted]

ANTHONY, James R., *Bldg/Grounds Supt*
CHADWICK, Heather M., *Program Specialist*
HUNCOSKY, Gerald S., *Director-Camping*
MOSE, Seymour, *Sports/Camp Promo Director*
NYSTROM, John C., *Naturalist Instructor*
RAYMOND, Joyce F., *Food Service Mgr*
REICHERT, Nancy S., *Coord Environ Ed Director*
SNOWDEN, Pamela J., *Business Manager*

Central Queens Branch YMCA 4241
89-26 Parsons Blvd., Jamaica, NY 11432
(718) 739-6600
FAX: (718) 658-9565
Residence: 282 BEDS - MALES ONLY
RAMPINO, Frank, *Chief Volunteer Officer*
HENRY SR, Charles B., *Executive Director*
DYE-ANDERSON, Yvonne R., *Senior Program Director*
FONG, Stephen, *Director-Business Opns*
GALLEGO, Gilberto, *Building Supt*

Chinatown Branch YMCA 4243
100 Hester Street, New York, NY 10002
(212) 219-8393
FAX: (212) 941-9846
CHIN, David, *Chief Volunteer Officer*
LOUIS, Nelson, *Executive Director*
ROY, Lilian Sou, *Program Director*

Crown Island YMCA 4242
238-10 Hillside Avenue, Bellerose, NY 11426
(718) 479-0606
FAX: (718) 468-9569
GOLDEN, Alvin, *Chief Volunteer Officer*
MCGREEVY, Rene, *Executive Director*
BISCHIANO, Roberta P., *Corp Director-Child Care*
DATTNER, Jean, *Director-Gym/Swim Spec Pop*
JIMENEZ, Michael, *Building Supt*
LYNCH, John E., *Program Director*
MARSHALL, Sharon S., *Business Manager*
OUZIEL, Judy, *Director-Health/PE*
TALTY, Kerry, *Director*

Flatbush Branch YMCA 4252
1401 Flatbush Avenue, Brooklyn, NY 11210
(718) 469-6100
FAX: (718) 284-6637
LAWRENCE, George E., *Chief Volunteer Officer*
CASSANO, Frank, *Executive Director*
JAMES, Sonia V., *Director-Early Childhood Ed*
MOHABIR, Paul A., *Director-Business/Fin Dev*
REMBERT, Viola M., *Director-Yth Ed/Adh Pers*

Flushing Branch YMCA 4268
138 45 Northern Blvd., Flushing, NY 11354
(718) 961-9280
FAX: (718) 461-4991
Residence: 082 BEDS - MALES ONLY
WALSH, Brian E., *Chief Volunteer Officer*
STEEN, Thomas J., *Branch Executive Dir*
ALBERT, Damon B., *Youth Physical Director*
ELLARD-COLEMAN, Denise, *Director-Bus/Membership Serv*
HERNANDEZ, Pablo R., *Director-Bldg Operations*
LEVY, Rachel [redacted]
[redacted]
FRS. I [redacted]

Greenpoint Branch YMCA .....
99 Meserole Avenue, Brooklyn, NY 11222
(718) 389-3700
FAX: (718) 349-2100
Residence: 101 BEDS - MALES ONLY
JERINGIS, Alfred E., *Chief Volunteer Officer*
DONOWSKI, Arthur, *Executive Director*
ASARO, Thomas, *Sports League Coord*
DOSCHER, Barbara, *Bus/Residence Director*
GOLUCH, Andrzej, *Health/Fit Director*
NOVAK, Jindrich, *Building Supv*
OSTROWSKA, Krystyna E., *Asst Hlth/Phy Di*
YOKEN, Hofyco Y., *Preschool Director*

Harlem Branch YMCA .....
180 West 135th Street, New York, NY 10030
(212) 281-4100
FAX: (212) 491-3178
Residence: 240 BEDS - ADULTS ONLY
DAIS, Larry, *Chief Volunteer Officer*
RUSSELL III, James P., *Executive Director*
WILLIAMS, Andre M., *Assoc Executive Direct*
CARR, Uriel A., *Asst Building Supt*
EDMONDS, Elaine, *Project Director/Ce Mg*
LEWIS, Zachary, *Youth Director*
MARTINEZ, Marc A., *Director Health Services*
RAMOS, Jose, *Business Manager*
RICHARDSON, Vincent, *Physical Director*
THOMPSON, William A., *Residence Director*
WILLIAMS, Hilda, *Membership/Mktg Coord*

Holiday Hills YMCA Conference Center ..
2 Lakeside Drive, Pawling, NY 12564
(914) 855-1500
FAX: (914) 855-9635
CONFERENCE CENTER: 157 BEDS
ALLAN, John, *Chief Volunteer Officer*
MCCRAMBLE, F. Joseph, *Managing Director*
BOYLE, Margaret A., *Assoc Program Director*
FERRARO, Judy, *Director-Sales/Mktg*
JACOBY, Gail W., *Conference Coord*
KOPOSCINSKI, William D., *Building/Grounds*

International Program Branch ..
350 West 34th Street 3rd Floor, New York, N 10001
(212) 563-4726
FAX: (212) 692-3783
LEE, William R., *Chief Volunteer Officer*
YATES III, William O., *Executive Director*
BARUCCH, Jean, *Administrative Asst*
BYRNE, Carol E., *Director-Ed Travels*
CORONADO, Annette, *Assoc Director Iop*
GORMLEY, Ronald E., *Director Iop*
RADLEY, Mark, *Ian Manager*
HENDRICKS, Samuel F., *Assoc Director Jrg*
MARS, Alice L., *Corp Director-Ips*
MIN, Joseph, *Executive-Korean Prog*
POLLACK, Sharon, *Director-Operations Ips*
STANSFIELD, Timothy A., *Director-Arhus I*
SWISTAK, Veronica, *Business Mgr-Dev*

Long Island City Branch YMCA ..
27-04 41st Avenue, Long Island City, NY 11
(718) 729-6363
FAX: (718) 472-2283
[redacted]
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[redacted]

POOLE, Donald G., *Associate Executive*
DIXON, William, *Youth Director*
BEVERING, Richard R., *Property Manager*
RAHIMI, Hardyat, *Associate Executive*
WEBB, Sara E., *Aquatic Director*
WASSAK, Frederick C., *Camp/Physical Director*

Chemung County YMCA 4093
420 Pennsylvania Avenue, P.O. Box 884, Elmira, NY 14904
(607) 733-7856
MARVEL, Daniel Wal, *Chief Volunteer Officer*
SMITH, Scott K., *Executive Director*
PERRIN, Gregg A., *Program Director*

Clifton Springs YMCA 4073
5 Crane Street, P.O. Box 222, Clifton Springs, NY 14432
(315) 462-6184
TIFFANY, Dr. Michael, *Chief Volunteer Officer*
HUSK, Gary M., *General Director*

Corning Community YMCA 4081
P.O. Box 1408, Corning, NY 14830
(607) 936-4639
FAX: (607) 962-7489
EMRICK, Gary, *Chief Volunteer Officer*
NERRETH, Peter B., *Executive Director*
BERWILER, Shelley L., *Physical Director*
COSGROVE, James G., *Operations Director*
JONES, Julie H., *Community Services Director*
STODDARD, Belinda J., *Controller*
STUTZMAN, Marie C., *Membership Director*
TOPPI, Armando V., *Youth Sports Director*

Cortland County Family YMCA 4077
22 Tompkins Street, Cortland, NY 13045
(607) 756-2593
GALLAGHER, Thomas, *Chief Volunteer Officer*
AKTHURM, Paul E., *Executive Director*
ANDREWS, Kathleen H., *Kindercare Director*
BOLLINGER, James, *Building Supt*
DIPPOLITO, Isabelle M., *Business Manager*
DOYLE, Suzanne M., *Program Director*

Dutchess County YMCA 4382
Eastman Park, Poughkeepsie, NY 12601
(914) 471-9622
FAX: (914) 471-9630
ROBIRD, Herbert III, *Chief Volunteer Officer*
LOMBARDO, Robert J., *Executive Director*
BEVINGTON, Charles T., *Director-Operations*
BOTSFORD, Gene M., *Development Director*
CUTLER, Rene, *Independent Living Coor*
FEELEY, Karen, *Director-YM/Fam Prog*
KELLETT, Patrice, *River House Director*
KOPPEL, Sonia, *Director-Youth/Tn Pgms*
LEMAR, Sue, *Assoc Director-Yth/Family*
MATTHEWS, James J., *Adult/Aquatic Director*
MULPETER, Bridget L., *Membership Services Director*
TORZA, Patricia, *Assoc Executive Director*
WERT, Linda, *Director of Adult Fitness*
WORTMAN, Gary, *Building Supt*

Frost Valley YMCA 3794
2000 Frost Valley Road, Claryville, NY 12725
(914) 985-2291
FAX: (914) 985-0056
CONFERENCE CENTER: 500 BEDS
KELLOGG, James C., *Chief Volunteer Officer*
BROWN, D. Hollo, *Executive Director*
BURGER, Amy [redacted]

COX, Harry A., *Purchasing Director*
DAVENPORT, Phil, *Construction Coord*
DUMAS, Chris, *Adven Camp Director*
HASKIN, John K., *Director Environ Educ*
HONMA, Emiko T., *Director Dev Tokyo - Frost Val*
HONMA, Tetsuo, *Director Tokyo-Frost Valley*
JONES, Irene R., *Elderhostel Director*
LANGNER, Miriam, *Program Coord*
LARSON, Michael A., *Property Director*
MARSHALEK, Chris, *Food Services Director*
MIZUTA, Takenori, *Program Director*
ROBERTS, Audrey, *Program Coord*
SWAIN, Peter M., *Director-Camping Serv*
TRUE, Tracy L., *Outreach Director*
VERMA, Asha, *Public Relations/Outreach*
VON BUDEN, Carla, *Program Coord*
YERNELLO, Sue, *Conf Center Director*

■ Fulton YMCA 4105
236 Oswego Street, Fulton, NY 13069
(315) 598-6622
KEMMS, Richard, *Chief Volunteer Officer*
WILCOX, Lyle E., *Executive Director*
MCKEOWN, Sharon L., *Preschool Director*
RIVERS, Constance A., *Bookkeeper*

■ Geneva Family YMCA 4111
399 William Street, P.O. Box 447, Geneva, NY 14456
(315) 789-1816
FERRER, Nicholas T., *Chief Volunteer Officer*
SPINA, Christopher J., *Executive Director*
CLARK, Nancy K., *Administrative Asst*
DAMO, Sheri, *Office Manager*
HUTCHINGS, Kimberly, *Novelco Director*
MOSS, Michael, *Maintenance Supv*
PRESUTTI, Richard, *Program Director*

■ Glens Falls Family YMCA 4115
Upper Glen Street, Glens Falls, NY 12801
(518) 793-9878
FAX: (518) 793-3887
DAVIES, Jim, *Chief Volunteer Officer*
BONTEMPI, N. Lee, *Executive Director/C*
BEARDS, Brian C., *Physical Director*
FERRETTI, Marjorie E., *Administrative Secretary*
HUDSON, Phyllis B., *Physical Director*
SIMMONDS, Sharon L., *Assoc Executive Director*

■ Gloversville YMCA 4119
19 East Fulton Street, Gloversville, NY 12078
(518) 725-0627
Residence: 19 BEDS - MALES ONLY
GRITSAVAGE, William H., *Chief Volunteer Officer*
ALLISON, Edward M., *Executive Director*
O'DOUL, Mary Ann K., *Aquatic Director*
RICKEY, Janet M., *Program Director*
WILLE, Tori L., *Fmcc Playmates Director*

■ Hornell Area Family YMCA 4123
12 Center Street, Hornell, NY 14843
(607) 324-5520
SCHU, Brian, *Chief Volunteer Officer*
MORRISSEY, Mark J., *Executive Director*
GALATIO, Daniel J., *Physical Director*

■ Ithaca & Tompkins County YMCA 4131
Graham Road West, Ithaca, NY 14850
(607) 257-0101
WADACK, Peter, *Chief Volunteer Officer*
GRENNELL, Paul L., *Executive Director*
FLEMING, [redacted]

HOWARTH, Tom, *Program Director*
SPRING, Tim M., *Office Manager*

■ Jamestown YMCA 4135
101 East Fourth Street, Jamestown, NY 14701
(716) 664-2602
FAX: (716) 699-7690
CUNNINGHAM, John, *Chief Volunteer Officer*
ECKENDORF, Mark G., *Executive Director*
ANDERSON, Thomas, *Branch Manager-Lakewood*
BEYER JR, Robert A., *Physical/Program Director*
CHASE, Corey G., *Property Manager*
DENAULT, Melissa A., *Aquatic Director*
JAMES, Ronald M., *Outreach Director*
LAWSON, John C., *Property Manager*
LEACH, Viola M., *Older Adults/Nast Director*
LEWIS, M. Denise, *Business Manager*
LINDELL, Carol J., *Office Manager*
O'BRIAN, Jonathan D., *Director-Camp Onyshca*
REAUDO, Yvonne L., *Youth Director*
THOMAS, William H., *Youth/Family Director-Lakewood*

■ Johnstown YMCA 4139
21 North Market Street, Johnstown, NY 12095
(518) 762-3419
CORRELL, Roderick, *Chief Volunteer Officer*
SERGE, Steven V., *Executive Director*
DIRAZ, Aaron J., *Physical Director*
GLENN, Veronica S., *Program Director*

■ Kingston & Ulster County YMCA 4143
507 Broadway, Kingston, NY 12401
(914) 338-3910
FAX: (914) 338-0423
Residence: 24 BEDS - MALES ONLY
EVERY, Ronald H., *Chief Volunteer Officer*
STUBBS, Robert D., *General Director*
BURNS, Joseph, *Asst Physical Director*
CLAIRMONT, Dawn, *Aquatic/Gym Director*
DOUGHMAN, William W., *Assoc General Director*
GALFEATHER, Kevin D., *Director-PE/Rehab*
JOHNSON, David A., *Development Director*
MINOR, Joyce T., *Program Director*
NEILLY, John L., *Youth/Camping Director*

■ Lake Plains Family YMCA 4155
300 Pearl Street, Medina, NY 14103
(716) 798-2040
DEEDON, John, *Chief Volunteer Officer*
MORNIGAN, Michael D., *Executive Director*
BAER, Dorothy J., *Program Director*
FULCOMER, Diane M., *Business Manager*

■ Little Falls YMCA 4147
16 Jackson, Little Falls, NY 13365
(315) 823-1760
Residence: 16 BEDS - ADULTS ONLY
PAVALOCK, Rose, *Chief Volunteer Officer*
DELUCA, Anthony J., *Exec Director-Mohawk*
CARRIG, Joan, *Program Director*
DAVIS, Eugene, *Maintenance Spvr*
DELUCA, Mary A., *Program Director*
GIAMMARIA, Sharon, *Program Assistant*
LIDDON, Timothy, *Program Director*
MARRONE, Terry J., *Program Assistant*

■ Lockport YMCA 4151
19 East Avenue, Lockport, NY 14094
(716) 434-5557
MILLER, Don, *Chief Volunteer Officer*
[redacted]

GRAY, Robert L., *Neighborhd Comm Director*
HOFFMEISTER, Freeman F., *Youth/Camp Director*

■ Long Island Metropolitan YMCA 4171
204 Pulaski Road, Greenlawn, NY 11740
(516) 673-8269
TREMER, John H., *Chief Volunteer Officer*
WILLIAMS JR, George D., *President*
KAESTNER, Frances D., *Business Manager*

Brookhaven-Rec Branch YMCA 4175
155 Buckley Road, Holtsville, NY 11742
(516) 289-4449
DRAKE, George, *Chief Volunteer Officer*
ACKERMANN, Carol, *Executive Director*
BELZAK, Deborah L., *Assoc Executive Director*
NOLAN, Priscilla, *Program Director*

Child Care Branch YMCA 4180
Smithtown YMCA Edgewood Avenue, P.O. Box 607, Smithtown, NY 11787
(516) 265-6344
JOHNSON, Arthur, *Chief Volunteer Officer*
GRAYSON-WALLACE, Diane M., *Exec Director-Fam/Ch*
BASSO, Lillian A., *Teacher*
DELPINO, Cynthia A., *Project Director*
MARINO, Therese, *Project Director*

Family Services Branch YMCA 4176
11 Unity Drive, Centereach, NY 11720
(516) [redacted]
CRISTANDO-LAU, Janet, *Social Worker*
ESPARRA, Judith L., *Project Director*
ETTINGER, Joan E., *Social Worker*
FITZPATRICK, Susan C., *Counselor*
LARDI, Marguerite A., *Drug Educator*
O'CANE, Mary A., *Counselor*
PANEBIANCO, Phyllis A., *Supervisor*
SALTZMAN, Alice S., *Social Worker*
SCALZA, Libby, *Social Worker*
SMITH, Vivian, *Supervisor*
SPADA, Donna J., *Social Worker*

Glen Cove Branch YMCA ..... 419[illegible]
Dosoris Lane, Glen Cove, NY 11542
(516) 671-8270
FAX: (516) 671-8278
STANCO, Angelo T., *Chief Volunteer Officer*
BOGAN, Edward J., *Executive Director*
ANDREWS, Kelly D., *Aquatic Director*
LOCKYER, Susan E., *Physical Director*
SAMPARO-TRIPP, Annette F., *Program Director*
TRIPP, Anthony J., *Building Supt*

Great South Bay Branch YMCA ..... 420[illegible]
200 West Main Street, Bay Shore, NY 11706
(516) 968-4298
FAX: (516) 665-4261
BANDASH, Susan, *Chief Volunteer Officer*
COONEY, Michael K., *Executive Director*
BYRNE, Anastasia M., *Assoc Executive Director*
BOYLE, Denis M., *Aquatics Director*
HEDLUND, Wayne R., *Building Supt*
PETTERSEN, Robert J., *Asst PE Director*
ROSE, Allen G., *Financial Director*
SCHAPER, Suzanne R., *Membership Director*

Huntington Township Branch YMCA ..... 419[illegible]
89 Main Street, Huntington, NY 11743
(516) 421-4242
[redacted]

V YORK cont'd

CA of Troy - Cohoes
Irst Street
, NY 12180
) 274-7100

CA of Ulster County
Clinton Avenue
ston, NY 12401
) 338-6844

CA of Utica
) Cornelia Street
I, NY 13502
) 732-2159

CA of Watertown
ublic Square
rtown, NY 13601
) 788-6610

A of Westfield
outh Portage Street
field, NY 14787
326-2011

A of White Plains
entral Westchester
orth Street
Plains, NY 10605
949-6227

of Yonkers
th Broadway
s, NY 10701
53-0640

NORTH CAROLINA

Adams Memorial YWCA
112 Gatewood Avenue
High Point, NC 27260
(919) 882-4126

YWCA of Asheville
185 South French Broad Avenue
Asheville, NC 28801
(704) 254-7206

YWCA of Charlotte
3420 Park Road
Charlotte, NC 28209
(704) 525-5770

YWCA of Durham
1821 Chapel Hill Road
Durham, NC 27707
(919) 688-4396

YWCA of Greensboro
#1 YWCA Place
Greensboro, NC 27401
(919) 273-3461

YWCA of Rocky Mount
1000 Hunter Hill Road
Rocky Mount, NC 27804
(919) 937-7300

YWCA of Wake County
1012 Oberlin Road
Raleigh, NC 27605
(919) 828-3205

NORTH CAROLINA cont'd

YWCA of Wilmington
2815 South College Road
Wilmington, NC 28412
(919) 799-6820

YWCA of Winston-Salem/ Forsyth County
1201 Glade Street
Winston-Salem, NC 27101
(919) 722-5138

NORTH DAKOTA

YWCA of Fargo-Moorhead
1704 Main Avenue, #4
Fargo, ND 58103-1534
(701) 232-2547

YWCA of Minot
205 Third Avenue, S.E.
Minot, ND 58701
(701) 838-1812

OHIO

The Akron area YWCA
670 West Exchange Street
Akron, OH 44302
(216) 253-6131

YWCA of Alliance
239 E. Market Street
Alliance, OH 44601
(216) 823-1840

YWCA of Canton
231 Sixth Street, N.E.
Canton, OH 44702
(216) 453-7644

YWCA of Cincinnati
898 Walnut Street
Cincinnati, OH 45202
(513) 241-7090

YWCA of Cleveland
3201 Euclid Avenue
Cleveland, OH 44115
(216) 881-6878

YWCA of Columbus
65 So. Fourth Street
Columbus, OH 43215
(614) 224-9121

YWCA of Coshocton
623 Main Street
Coshocton, OH 43812
(614) 622-3542

YWCA of Dayton
141 W. Third Street
Dayton, OH 45402
(513) 461-5550

YWCA of Elyria
318 West Avenue
Elyria, OH 44035
(216) 322-6308

YWCA of Hamilton
244 Dayton Street
Hamilton, OH 45011
(513) 856-9800

NEW JERSEY cont'd

YWCA of Hudson County
270 Fairmount Avenue
Jersey City, NJ 07306
(201) 333-5700

YWCA of Lakewood
& Ocean County
Monmouth Avenue & 3rd Street
Lakewood, NJ 08701
(201) 363-1158

YWCA of Montclair-North Essex
159 Glenridge Avenue
Montclair, NJ 07042
(201) 746-5400

YWCA of Passaic-Clifton
114 Prospect Street
Passaic, NJ 07055
(201) 779-1770

YWCA of Paterson
185 Carroll Street
Paterson, NJ 07501
(201) 684-6408

YWCA of Plainfield/
North Plainfield
232 East Front Street
Plainfield, NJ 07060
(908) 756-3836

YWCA of Princeton
Paul Robeson Place
Princeton, NJ 08540
(609) 497-2100

YWCA of Summit
79 Maple Street
Summit, NJ 07901
(201) 273-4242

YWCA of Sussex County
200 Woodport Road
Sparta, NJ 07871
(201) 729-6474

YWCA of Trenton
140 East Hanover Street
Trenton, NJ 08608
(609) 396-8291

NEW MEXICO

YWCA of Albuquerque
7201 Paseo del Norte, N.E.
Albuquerque, NM 87113
(505) 822-9922

NEW YORK

YWCA of Albany
28 Colvin Avenue
Albany, NY 12206
(518) 438-6608

YWCA of Binghamton and
Broome County
80 Hawley Street
Binghamton, NY 13901
(607) 772-0340

YWCA of Brooklyn
30 Third Avenue
Brooklyn, NY 11217
(718) 875-1190

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To Debbie Christensen | From Christy
Co./Dept. | Co. YWCA
Phone # | Phone # 527-7575
Fax # 681-8894 | Fax #

NEW YORK cont'd

YWCA of Buffalo
and Erie County
190 Franklin Street
Buffalo, NY 14202
(716) 852-6120

YWCA of Chemung County
211 Lake Street
Elmira, NY 14901
(607) 733-5575

YWCA of the City of New York
610 Lexington Avenue
New York, NY 10022
(212) 755-4500

YWCA of Cortland
14 Clayton Avenue
Cortland, NY 13045
(607) 753-9651

YWCA of Dutchess County
18 Bancroft Road
Poughkeepsie, NY 12601
(914) 454-6770

YWCA of Genesee County
301 North Street
Batavia, NY 14020
(716) 343-5808

YWCA of Gloversville
33 Bleecker Square
Gloversville, NY 12078
(518) 725-5316

YWCA of Jamestown
401 N. Main Street
Jamestown, NY 14701
(716) 488-2237

YWCA of Lockport
32 Cottage Street
Lockport, NY 14094
(716) 433-6714

YWCA of Newburgh
565 Union Avenue
New Windsor, NY 12553
(914) 561-8050

YWCA of Rochester &
Monroe County
175 N. Clinton Avenue
Rochester, NY 14604
(716) 546-5820

YWCA of Schenectady
44 Washington Avenue
Schenectady, NY 12305
(518) 374-3394

YWCA of Syracuse &
Onondaga County
217 E. Jefferson Street
Syracuse, NY 13202-2589
(315) 424-0040

YWCA of the Tonawandas
49 Tremont Street
North Tonawanda, NY 14120
(716) 692-5580

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TELEPHONE CONVERSATION SUMMARY

DYNAMAC CORPORATION

Call made by: Katharine Siders Franklin
Title/Position: Environmental Scientist
Date: June 8, 1994

Signature/Date: 6/8/94

Person(s) contacted : Mr. Steven Gould
Title/Position: Environmental Scientist
Organization: Groundwater Management Section, Drinking/Groundwater Protection Branch, U.S. EPA Region II
Telephone number: (212) 264-5665
Address (city/state): New York

General subject: Groundwater Information

Summary of conversation: Mr. Gould was contacted regarding Wellhead Protection Areas in Nassau and Queens Counties, New York. Mr. Gould stated that there are no state or federally designated Wellhead Protection Areas in either county.

He also stated that if I needed any further groundwater information on the area, I should contact Kevin Roberts at (518) 457-1626. Mr. Roberts is with the New York Department of Environmental Conservation in the Bureau of Technical Services and Research. Mr. Roberts is a recognized expert on groundwater in the state and has been instrumental in the work done on preparation of Wellhead Protection Area designations to date.