

County NASSAU



Well Number N-7500

COMPLETION REPORT—LONG ISLAND WELL

OWNER <u>NASSAU County Dept of Public Works</u>		*LOG Ground Surface	
ADDRESS <u>1 WEST ST. Mineola Ny</u>		EL. _____ ft. above sea	
LOCATION OF WELL <u>EISENHOWER PARK #6</u>		Λ _____ ft. V	
DEPTH OF WELL BELOW SURFACE <u>463'</u>		DEPTH TO GROUNDWATER FROM SURFACE <u>35'</u>	
CASINGS			
DIAMETER <u>20"</u> in. (<u>EXISTING</u>) in. <u>12" RISER</u> in. <u>12" SS RISER</u> in.		<u>EXISTING</u>	
LENGTH <u>EXISTING</u> ft. _____ ft. <u>82'</u> ft. <u>20'</u> ft.			
SEALING			
SCREENS			
MAKE <u>HOUSTON 316 SS</u>		OPENINGS	
DIAMETER <u>12" ID.</u> in. _____ in. _____ in. _____ in.			
LENGTH <u>52'</u> ft. _____ ft. _____ ft. _____ ft.			
DEPTH TO TOP FROM TOP OF CASING <u>405'</u>			
PUMPING TEST			
DATE <u>6/22/92</u>		TEST OR PERMANENT PUMP? <u>TEST</u>	
DURATION OF TEST days <u>8</u> hours		MAXIMUM DISCHARGE <u>1429</u> gallons per min.	
STATIC LEVEL PRIOR TO TEST <u>35'</u> ft. _____ in. below top of casing		LEVEL DURING MAXIMUM PUMPING <u>87 5"</u> in. below top of casing	
MAXIMUM DRAWDOWN <u>52'-5"</u> ft.		Approximate time of return to normal level after cessation of pumping _____ hours _____ min.	
PUMP INSTALLED			
TYPE <u>DWT</u>	MAKE <u>GOULDS</u>	MODEL NUMBER <u>14R JLC</u>	
MOTIVE POWER <u>ELECTRIC</u>	MAKE <u>U.S.</u>	H.P. <u>125</u>	
CAPACITY <u>1350</u> g.p.m. against		ft. of discharge head	
NUMBER OF BOWLS OR STAGES <u>4</u>		<u>290'</u> ft. of total head	
DROP LINE		SUCTION LINE	
DIAMETER <u>10"</u> in.		DIAMETER <u>10"</u> in.	
LENGTH <u>110'</u> ft.		LENGTH <u>10'</u> ft.	
METHOD OF DRILLING <input type="checkbox"/> rotary <input type="checkbox"/> cable tool <input type="checkbox"/> other _____		USE OF WATER <u>SHRIMP WELL</u>	
WORK STARTED <u>5/4/92</u>		COMPLETED	
DATE <u>12/29/92</u>	DRILLER <u>Hydro Group Inc</u>	LICENSE NUMBER <u>5</u>	
* NOTE: Show log of well materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job. See instructions as to Well Driller's License and Reports. Page 5-7.			

County Nassau

ORIGINAL TO COMMISSION

W-2190

State of New York
Department of Conservation
Division of Water Resources

Well No. N-7500

(no preliminary report)

LOG

Ground Surf., El.ft. above sea

^
.....ft.
v

Top of Well

SEE CY OF
LOG WELL
ATTACHED.

COMPLETION REPORT—LONG ISLAND WELL

Owner County of Nassau, New York

Address Executive Bldg., Mincola, L. I.

Location of well Salisbury Park

Dept of well below surface 457'-6" feet

Depth to ground water from surface 26'-6" feet

CASINGS:

Diameter 12 in. 20 in. in. in.

Length 102 ft. 405 ft. ft. ft.

Sealing

Casings removed

SCREENS: Make Cook-Everdur Openings #65

Diameter 12 in. in. in. in.

Length 52'-8" ft. ft. ft. ft.

Depth to top from top of casing 405 ft.

PUMPING TEST: Date 12/4/63 Test or permanent pump? Test

Duration of Test 8 days 8 hours

Maximum Discharge 1500 gallons per minute

Static level prior to test 28 ft. in. below top of casing

Level during Max. Pumping 78 ft. in. below top of casing

Maximum Drawdown 50 ft.

Approx. time of return to normal level after cessation of pumping 30 minutes

PUMP INSTALLED:

Type DWT Make Peerless Model No. 12 HXB

Motive power Elec. Make US H.P. 150

Capacity 1400 g.p.m. against } ft. of discharge head

No. bowls or stages 8 } 720 ft. of total head

DROP LINE:

SUCTION LINE:

Diameter in. in.

Length ft. ft.

Use of water Golf Course Irrigation

Work started 11 Nov 63 Completed 20 Nov 63

Date 16 June 1964 Driller MATHIES WELL & PUMP CO., INC.

License No. 153

NOTE: Show log of well—materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job.

See Instructions as to Well Drillers' Licenses and Reports—pp. 5-7.

WELL LOG

MATHIES WELL & PUMP CO., INC.
LINDENHURST, N. Y.

SALISBURY PARK

Address **TOWN OF HEMPSTEAD, L. I., N. Y.**

Date Started **11 Nov 63**
 Diameter **24 x 20 and 30 x 12 In.**

Completed **20 Nov 63** Driller **Hyatt & Booth**

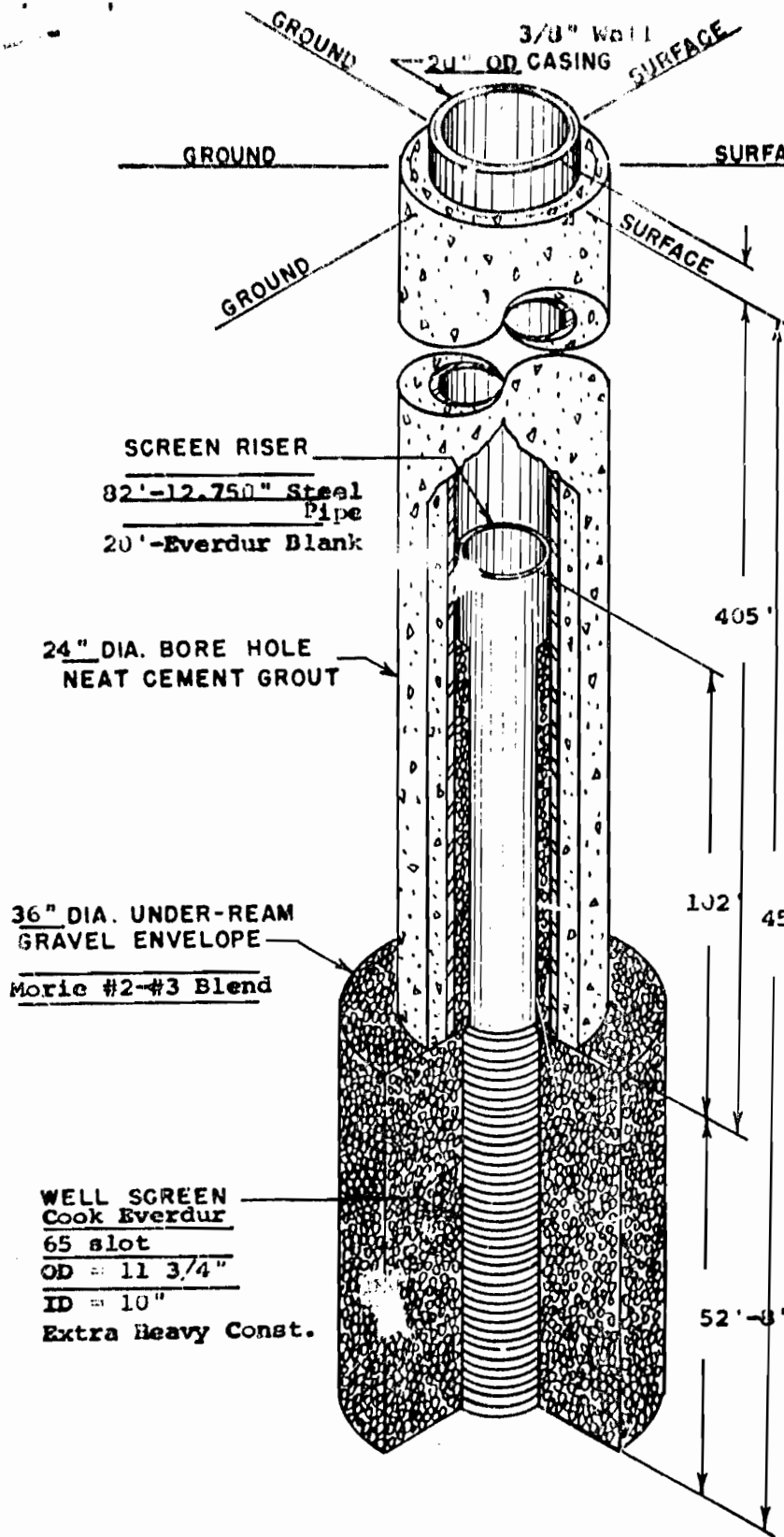
Measured from Grade Yes No

Depth **457** Ft. **8** In. Above Ft. In. Below Ft. In.

Static Level **26** Ft. **9** In. Elevation **...** Ft.

	STRATUM		TEMPERATURE	
	THICKNESS	DEPTH	SAND	WATER
Top soil and clay	3	3		
Coarse brown sand & gravel	27	30		
Medium brown sand	8	38		
Fine brown sand, streaks of brown clay	32	70		
Fine Brown sand, streaks of brown clay & hardpan	10	80		
Brown clay	4	84		
Fine gray sand, streaks of gray clay	13	97		
Fine gray sand, streaks of brown & gray clay	8	105		
Fine brown sand, traces of white clay	25	130		
Brown & dark gray clay	5	135		
Fine brown sand, hardpan, strips of clay	32	167		
Gray clay & hardpan	4	171		
Fine sand & brown & gray clay	3	174		
Gray clay	25	199		
Gray clay streaks of fine gray sand & lignite	6	205		
Fine brown sand, streaks of brown clay & hardpan	16	221		
Brown & gray clay	11	232		
Very fine brown sand, sand streaks of gray clay & hardpan	12	244		
Layers gray clay, gray sand & pyrite	7	251		
Fine brown sand, streaks of clay	48	299		
Layers gray sand and gray clay	7	306		
Fine gray sand, streaks of gray clay & hardpan	4	310		
Fine to medium gray sand and hardpan	60	370		
Fine to medium gray sand	17	387		
Layers gray sand & pyrite	3	390		
Gray & white clay	7	397		

YORK
 RECORDS
 JUN 19 1964
 DIVISION
 CIVIL



SCREEN RISER
 82'-12.750" Steel Pipe
 20'-Everdur Blank

24" DIA. BORE HOLE
 NEAT CEMENT GROUT

36" DIA. UNDER-REAM
 GRAVEL ENVELOPE
 Moric #2-#3 Blend

WELL SCREEN
 Cook Everdur
 65 slot
 OD = 11 3/4"
 ID = 10"
 Extra Heavy Const.

405'
 102'
 52'-8"

LOG OF WELL

WATER RESOURCES
 JUN 18 1964
 (COMM. SECT.)
 R

MATHIES WELL & PUMP
 COMPANY, INC.
 COUNTY OF NASSAU
 SALISBURY PARK
 CONTR. #D-950-MBA
 WELL #N-7500 (WRC)
 As Constructed

County Nassau

ORIGINAL TO COMMISSION

W-2190

State of New York

Department of Conservation

Division of Water Resources

Well No. N-7500

(see preliminary report)

LOG

Ground Surf., El.ft. above sea

^

.....ft.

v

Top of Well

COMPLETION REPORT--LONG ISLAND WELL

Owner County of Nassau

Address Executive Building, Mincola

Location of well Salisbury Park

Dept of well below surface.....feet

Depth to ground water from surface.....feet

CASINGS:

Diameter.....in.in.in.in.

Length.....ft.ft.ft.ft.

Sealing

Casings removed

SCREENS: Make.....Openings.....

Diameter.....in.in.in.in.

Length.....ft.ft.ft.ft.

Depth to top from top of casing.....ft.

PUMPING TEST: Date.....Test or permanent pump?.....

Duration of Test.....days.....hours

Maximum Discharge.....gallons per minute

Static level prior to test.....ft.....in. below top of casing

Level during Max. Pumping.....ft.....in. below top of casing

Maximum Drawdown.....ft.

Approx. time of return to normal level after cessation

of pumping.....hours.....minutes

PUMP ~~XXXXXXXX~~ Modified:

Type DWT Make Peerless Model No. 12HXB

Motive power Electric Make U.S. H.P. 125

Capacity 600-1200 g.p.m. against } 231 ft. of discharge head

No. bowls or stages 8 } 271 ft. of total head

DROP LINE:

SUCTION LINE:

Diameterin.in.

Lengthft.ft.

Use of water.....

Work started June 1, 1967 Completed August 24, 1967

Date September 12, 1967 Driller MATHIES WELL & PUMP CO., INC.

License No. 153

NOTE: Show log of well--materials encountered, with depth below ground surface, water bearing beds and water levels in each, casings, screens, pump, additional pumping tests and other matters of interest. Describe repair job.

See Instructions as to Well Drillers' Licenses and Reports--pp. 5-7.

STATE OF NEW YORK WATER RESOURCES SEP 14 1967 COMMISSION RECEIVED

**COUNTY OF NASSAU (5TH APPL.)
NASSAU COUNTY PARK, SALISBURY**

W-2190

N

Filed	11-9-62
Received	11-9-62
Expend	11-21-62
Balance	266.67
Transfer	10-22-63
Balance	153
Expend	10-22-63
Balance	6-18-64
Expend	10-7-64
Balance	10-13-64
Payroll	11-5-64

Crabtree
Approved
10/11/63
10-7500
"
"
"

Retire to W-418, 11-2-62
W-7002, 11-1-63
S.D.R.
W-11-1-64
W-7500, 11-5-64

STATE OF NEW YORK
CONSERVATION DEPARTMENT
DIVISION OF WATER RESOURCES



WATER RESOURCES COMMISSION

Long Island Well Application No. W-2190

COUNTY OF NASSAU
Fifth Application

D E C I S I O N

OFFICIAL RECORD

TO REMAIN IN THE CUSTODY OF THE WATER RESOURCES COMMISSION

State of New York
Department of Conservation
WATER RESOURCES COMMISSION

Long Island Well Application No. W-2190

In the Matter of the Application

- of the -

COUNTY OF NASSAU

for approval of the sinking of a
new well in the Nassau County
Park at Salisbury, Nassau County,
New York

Fifth Application

D E C I S I O N

Application filed November 9, 1962

Hearing held in Westbury,
November 21, 1962

Decision December 6, 1962

DECISION ON LONG ISLAND WELL APPLICATION NO. W-2190

PROCEEDINGS

This is an application made under the provisions of Section 476 of the Conservation Law for approval of a well project in Nassau County.

Petition verified by Eugene F. Gibbons, Commissioner of Public Works of the county of Nassau, on November 9, 1962 and filed in the office of the Water Resources Commission on the same day. Due notice of the hearing was given by publication in Newsday of Garden City and the hearing was held before John A. Saccareccia, Assistant Engineer of the Commission, in the office of the Commission in Westbury, on November 21, 1962 at 10 o'clock in the forenoon. The petitioner was represented at the hearing by Henry L. Frauenthal, Hydraulic Engineer in the Nassau County Department of Public Work. No objections were filed and no one appeared at the hearing in opposition to approval of the project. Lawrence D. Lukin, Senior Public Health Engineer in the Nassau County Department of Health, was present at the hearing as a representative of that department.

PROJECT

The County of Nassau requests authority to construct a new well at Nassau County Park in Salisbury, in the town of Hempstead. The well is to have a 20-inch diameter outer casing and a 12-inch diameter inner casing and screen sunk to a depth of about 400 feet and is to be equipped with an electrically operated submersible-type pump having a capacity of 1,400 gallons a minute. The well is to be used for sprinkling purposes on the "Red" golf course and for general use at other nearby facilities on the property. It will also be interconnected with the existing wells and distribution systems now in use in the Park.

FINDINGS OF FACT

1. The County of Nassau is a municipal corporation of the State of New York. The County owns and operates a county park consisting of three golf courses and several buildings on a tract of approximately 960 acres situated on the north side of Hempstead Turnpike, east of Barnum (Merrick) Avenue in the town of Hempstead.

2. Well water long has been used in the park for normal potable and sanitary supply in the buildings, golf courses, athletic fields and park-grounds sprinkling systems and for fire protection.

3. Matters relating to the use of well water for the applicant's needs have been acted upon by our predecessor, the Water Power and Control Commission, under four prior Long Island well applications, all of which have been approved. In addition, a water supply application, No. 3273, was also approved by our predecessor, on August 29, 1957, which application authorized the supply of water from the park system to an area of about 4.5 acres outside of the park property on the west side of Barnum Avenue. This outside area is still being supplied by the park system.

4. The Nassau County Park obtains its supply of water from four wells, Nos. N-1631, N-2923, N-2939 and N-2943, located on park property and having an aggregate pumping capacity of 2,750 gallons a minute. Limited storage is provided by hydro-pneumatic tanks in the systems. In addition, there is a supply and diffusion well installation (Nos. N-5451 and N-5675D, 110 gallons a minute capacity) at the club house, which installation is used solely for air-conditioning purposes in that building and is not interconnected with any other wells.

5. Applicant plans to install a sprinkler system on the "Red" golf course located in the northwesterly part of the property and, in the near future, the county also expects to construct additional buildings and other facilities in this section of the park which includes a 12-acre portion that lies on the southwest corner of Stewart and Barnum Avenues.

6. In order to furnish the needed additional water supply, applicant proposes to install a new well to be located about 800 feet east of Barnum Avenue and about 150 feet north of Stewart Avenue Extended. The well is to have a 20-inch diameter outer casing and a 12-inch diameter inner casing and screen sunk into the Magothy formation to a depth of about 400 feet, and is to be equipped with an electrically-operated submersible-type pump of 1,400 gallons a minute capacity. The well and control equipment will be housed in an underground

vault. All sanitary precautions will be taken to insure that the water pumped will be maintained to drinking water standards.

7. The new system ultimately is to be interconnected with the existing water systems in the park excepting the air-conditioning installation at the club house.

8. The maximum water requirements for the combined systems at the park are estimated at 2.5 million gallons daily and the total annual pumpage from all wells, including that from the well now proposed, will not exceed 250 million gallons.

9. All water pumped, with the exception of the air-conditioning installation, is to be metered.

10. Waste water from sanitary operations is to be discharged into septic tanks and leaching fields located remote from any well.

11. It is expected that water from the proposed well will be of good quality and safe for domestic consumption.

12. The action of this Commission in approving this well must not be construed as in any way limiting the action of any local or State health authorities in supervising the use of water on this property for drinking purposes, or in connection with the location of sewage disposal systems in relation to the well.

13. Ground-water levels, as recorded in County observation wells in this area, have shown no net decline over the past three years except for seasonal fluctuations.

14. Maintaining such an undeveloped tract in this part of Nassau County will continue it as an area in which limited recharge of the underlying aquifer will occur in contrast to similar areas of built-up residential or industrial use.

15. The nearest well of a public water supply system is well No. N-5654 of the Westbury Water District, located about 0.75 miles to the northwest.

16. It appears that to approve this application will cause little net loss to the water supply of Long Island and should have no adverse effect on any public water supply well.

CONDITIONS

The Commission finds it to be necessary to protect the interests of the applicant and of the people of the State, to impose the following conditions:

- A. By authority of this decision and approval, applicant is authorized to sink, maintain and operate the new well as above described, but the total aggregate amount of water which may be pumped from all wells on this property shall not exceed 250 million gallons in any one year.
- B. Applicant shall install, maintain and operate a satisfactory meter or other device to measure and record the amount of water pumped from this well and shall preserve such records. Such measuring device and the apparatus connected therewith shall be open at all reasonable hours to inspection or test by duly accredited representatives of this Commission or of the local water authorities. Similarly, records of the pumpage shall be made available for inspection or transcription. Applicant shall report the amount of pumpage monthly to this Commission.
- C. Nothing in this decision or approval contained shall be held as imposing any restrictions on the actions of the duly constituted health authorities, State or local, in connection with questions arising as to the potability of the well water or the location of sewage disposal works in relation to the well.
- D. The area surrounding the well must be protected from pollution by surface waters originating outside thereof by

the construction of ditches or embankments and the development of the well itself must be so carried out that there shall be no opportunity for pollution entering the water in it.

- E. This decision and approval shall not be held to grant to the applicant any exemption from general restrictions on the use of water for this particular purpose which may at any time be imposed by other competent authority.
- F. The Commission reserves the right to reconsider this approval at any time in the future and, after due notice and hearing, at that time to continue, rescind or modify this decision in such a manner as may be found to be just and equitable.
- G. Unless this proposed well shall have been completely constructed prior to January 1, 1966, or within such extended time as may have been applied for and granted by the Commission, then and on that date this approval shall be deemed to have lapsed.

STATUTORY DETERMINATION

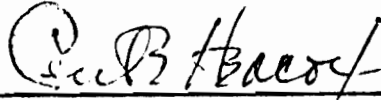
In view of the above, the Water Resources Commission determines and decides that approval of this application as above modified will protect the public health and public welfare in conserving the supply of water of Long Island for domestic consumption.

DECISION

WHEREFORE, the Water Resources Commission does hereby approve the said application, maps and plans of the County of Nassau, as thus modified.

IN WITNESS WHEREOF, the Water Resources Commission has caused this determination and approval to be signed and has caused its official seal to be affixed hereto and has filed the same with all maps, plans, reports and other papers relating thereto in its Long Island office this 6th day of December, 1962.

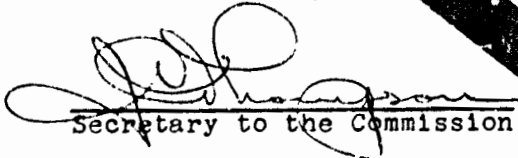
WATER RESOURCES COMMISSION



C. B. Haas

Secretary to the Conservation Dept.,
Alternate, - Acting Chairman.

Attest:



[Signature]
Secretary to the Commission

12-7-62
applicant
Albany office
Nassau County

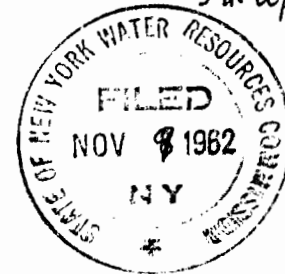
EUGENE F. GIBBONS

COMMISSIONER OF PUBLIC WORKS



DEPARTMENT OF PUBLIC WORKS
NASSAU COUNTY EXECUTIVE BUILDING
MINEOLA, N.Y.

November 6, 1962



Water Resources Commission
373 Maple Avenue
Westbury, New York

Gentlemen:

We enclose application for the sinking of an industrial well at our Nassau County Park.

The application consists of

Petition

Plan of Park

Plan showing Proposed Construction

The Park is open to you for inspection at your convenience.

The hearing can be held at your offices at 373 Maple Avenue, Westbury.

Very truly yours,

A handwritten signature in cursive script, appearing to read "E. F. Gibbons".

Eugene F. Gibbons
Commissioner of Public Works

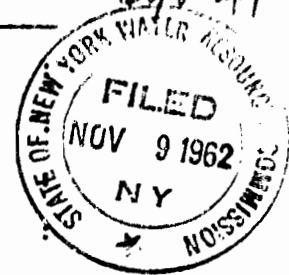
STATE OF NEW YORK : DEPARTMENT OF CONSERVATION
WATER RESOURCES COMMISSION

1106-2190
Water App

In the Matter

of

the Application of the County of Nassau
for approval of the sinking of a new well
in the Nassau County Park at Salisbury,
Nassau County, New York



TO THE WATER RESOURCES COMMISSION OF THE
STATE OF NEW YORK:

The Petition of the Nassau County Department
of Public Works respectfully shows:

1. That the County of Nassau is a county of
the State of New York. Its principal offices are located in
Garden City, Nassau County, New York.

2. Eugene F. Gibbons, who signs and verifies
this Petition and the undertaking submitted therewith, is
the duly appointed Commissioner of Public Works of said
Nassau County, and he signs this Petition and undertaking
by virtue of his authority as Commissioner of Public Works.

3. That applicant owns, maintains and operates
in said County the Nassau County Park for the benefit of the
citizens of said County. The Nassau County Park comprises
some 960 acres located east of Barnum Avenue and north of
Hempstead Turnpike in the Town of Hempstead. The Park con-
tains athletic fields, picnic grounds, baseball diamonds,

an arboretum, a club house, maintenance buildings, parking fields, roller skating rink, a lake, archery grounds, and three 18-hole golf courses. Future plans include an amphitheatre, botanical gardens and zoological gardens.

4. That water is used in these operations for irrigation of golf courses, athletic fields and park grounds, as well as for normal potable and sanitary supply in the club house and other buildings. Water is also served to several small users outside the Park, who have no other available supply, under agreements.

5. That applicant maintains and operates five wells in the Park, as shown in the following tabulation:

Well No.	W.R.C. No.	Depth	Pump Capacity	Date Installed
1	N-2923	122'	750 GPM	1949
2	N-3129	142'	750 GPM	1949
3	N-3243	297'-6"	1,000 GPM	1950
4	N-1631	42'-9"	400 GPM	1940
5	N-5451	100'	110 GPM	1955

Water from N-5451 is used for air conditioning the club house, and it is then returned to the ground through N-5675D.

6. That recent pumpage from these wells, in million gallons, has been as follows:

W.N.C. No.	YEAR		10 Months 1962	MAXIMUM MONTH		
	1960	1961		1960	1961	1962
N-2923	25.53	63.80	34.05	July 13.99	Sept. 36.27	May 10.80
N-3129	27.99	20.27	23.41	July 13.04	July 9.66	July 9.10
N-3243	29.15	25.46	29.48	July 8.26	July 8.56	July 7.44
N-1631	2.90	1.14	2.86	July 1.66	July 0.59	July 0.92
N-5451	6.30	13.17	13.60	June 1.98	July 3.27	July 3.27
TOTAL	91.87	123.84	103.40			

7. That, of the three golf courses in the Park, two, namely the "White" and the "Blue" courses, now have fairway irrigation. During the early spring of 1963, fairway irrigation is to be installed on the "Red" course. This new installation is to be remotely controlled and will utilize high capacity sprinklers widely spaced. About two hundred of these sprinkler heads require 68 GPM each, and about fifty require 23 GPM each. This new system, because of its design, will operate under higher water pressure than do the other systems in the Park.

8. In order to furnish the needed additional supply, it is proposed to install a new well at the location shown on the plan. This well is to be drilled by reverse rotary method, and is to be installed with 20-inch cemented

outer casing and 12-inch inner casing. The anticipated depth is 400 feet, and it is expected that about 70 feet of 12-inch screen will be installed.

9. That it is proposed to install a pump of ^{2,000} 2,000 GPM capacity in the proposed new well. The pump is to discharge against 120 PSI pressure at the surface, and will be driven by a submersible type electric motor of not more than 250 HP. The well and its control equipment will be housed in an underground vault.

10. Water from the new well is to be used to irrigate the "Red" golf course and the proposed amphitheatre area, the proposed botanical gardens area and the proposed zoological gardens area, together with the 12-acre portion of the Park that lies on the west side of Barnum Avenue at Stewart Avenue. It will also be connected, through pressure reducing valves with the other existing water supply and irrigation systems in the Park. Inasmuch as drinking fountains are located on the irrigation system piping, all water pumped must be maintained to drinking water standards.

11. The total maximum annual requirements from the combined systems are estimated at 250 million gallons per year, with a maximum month of 50 million gallons and a maximum day of 2.5 million gallons. The excess of pumping capacity over average use is required to take care of the peak requirements of the irrigation systems.

12. It is proposed to use this water in an economical manner, and the amount pumped is to be measured and recorded. Water pumped from Well N-5451 used for cooling purposes will continue to be returned to the ground after use through Well N-5675B.

13. The nearest public water supply well is N-5654 of the Westbury Water District, located at Old Country Road and Fulton Street, about three quarters of a mile distant.

14. That the applicant has engaged the services of Henderson and Casey, consulting engineers experienced in this type of work to design and supervise construction of the proposed new well.

15. That the applicant believes this project can be carried out without injury to other interests, that the proposed works will be safe and suitable, and that the quality of water from the proposed well will be suitable for the purposes for which it is to be employed.

WHEREFORE, applicant respectfully prays that
the Water Resources Commission approve of this well
project.

NASSAU COUNTY
DEPARTMENT OF PUBLIC WORKS

By: *E. F. Gibbons*
Eugene F. Gibbons,
Commissioner of
Public Works

ATTEST:

John C. Kiefer, Jr.
John C. Kiefer, Jr.,
Principal Highway Engineer

Henry I. Frauenthal
Henry I. Frauenthal, 11/9/64
Hydraulic Engineer

EUGENE F. GIBBONS



DEPARTMENT OF PUBLIC WORKS
NASSAU COUNTY EXECUTIVE BUILDING
MINEOLA, N. Y.

November 14, 1962

Water Resources Commission
373 Maple Avenue
Westbury, New York

Re: Long Island Well Application No. W-2190
County of Nassau, New York

Gentlemen:

In accordance with instructions contained in your letter of November 9, 1962, please be advised that we have made arrangements to be present at the hearing on November 21, 1962, and will transmit affidavit of publication in the newspaper as requested.

If additional information is required, please let us know.

Very truly yours,

A handwritten signature in cursive script, reading "E. F. Gibbons".

E. F. Gibbons
Commissioner of Public Works

EFG:HF:MC

December 7, 1962

Long Island Well Application No. W-2190
County of Nassau - 5th Application

Eugene F. Gibbons, Commissioner
Nassau County Department of
Public Works
County Executive Building
West Street
Mineola, New York

Dear Sir:

We send you herewith a certified copy of the decision of the Water Resources Commission in the above entitled matter. This application was approved by the Water Resources Commission on December 6, 1962.

Permit to Operate finished well must be obtained before well legally may be used.

Very truly yours,

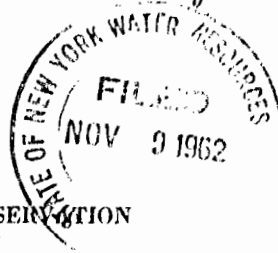
WATER RESOURCES COMMISSION

By

ARTHUR H. JOHNSON
Associate Engineer

AHJ/emb
Enclosure

11060 - 2190
7th app'd.



STATE OF NEW YORK - DEPARTMENT OF CONSERVATION
WATER RESOURCES COMMISSION

PUBLIC NOTICE

A public hearing will be held in the office of the Commission, 373 Maple Avenue, Westbury, on November 21, 1962, at 10 A. M. on the application of **COUNTY OF NASSAU** made under Section 476 of the Conservation Law, for approval of a well project at the Nassau County Park at Salisbury, Nassau County.

Papers filed may be consulted at Office of Commission, 373 Maple Avenue, Westbury, New York.

Objectors may be heard only on written objections, specifying the grounds thereof, filed in the above office not later than **November 20, 1962.**

Westbury, New York

John C. Thompson,
Executive Engineer.

November 9, 1962.

Copies of the Public Notice sent to:
Nassau County Dept. of Health
A. M. Sarr, District Engineer

November 9, 1962

Long Island Well Application No. W-2190
County of Nassau - 5th Application

Hon. Eugene F. Gibbons,
Commissioner of Public Works
Nassau County Executive Building
Mineola, New York

Handed to Mr. Angus Henderson

Dear Sir:

In connection with the above project it will be necessary for you to publish the enclosed legal notice of the hearing in the November 14th issue of **NEWSDAY** of Garden City.

You are directed to notify this office by November 14th that you are making arrangements to:

1. Have present at the hearing either the applicant, an officer of the concern or a representative with a notarized power of attorney.
2. Present to the Commission's representative at the hearing an affidavit of publication from the newspaper.
3. Present to the Commission's representative at the hearing a receipted bill from the newspaper covering the cost of publication.

Very truly yours,

WATER RESOURCES COMMISSION

By
ARTHUR H. JOHNSON
Associate Engineer

AHJ:JG
Enclosures (2)

AFFIDAVIT OF PUBLICATION

State of New York }
County of Nassau } ss.:

Ruth Hanna of Newday, Inc.,
Nassau County, N. Y., being duly sworn, says that she is, and at the
time of publication of the annexed Notice was the Principal Clerk
of the Publisher of NEWSDAY, a newspaper published in the
Village of Garden City, in the Town of Hempstead, County of Nassau
and State of New York, and that the Notice of which the annexed is
a true copy, was published in the said newspaper once
in each week for _____ consecutive weeks, to wit: (dates of
publication). _____

November 14, 1962

Ruth Hanna

Sworn to before me this
14th day of November, 1962

Notary Public [Signature]
Nassau County, N. Y.

NANCY DANIEL
NOTARY PUBLIC, State of New York
RES. 30
Qualified in Nassau County, N.Y.
Commission Expires March 30, 1964

1106 - 2190

No. _____ (Date Recd)
STATE DEPARTMENT
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Westbu
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filed
November
Westbu
Executive Engineer.
November 9, 1962.



Application No. W 100

Well No. N-7500

STATE OF NEW YORK



DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

APPROVAL OF WELL SYSTEM AND PERMIT TO OPERATE

Owner: County of Nassau (Department of Public Works)

Address: Mincola, New York

Location: Salisbury Park, Nassau County

Depth 458 ft. Diameter casings 20 & 12 in. Diameter screen 12 in.

Pump Peerless D. W. T. of 1400 gallons per minute capacity

Water to be used for sprinkling one of the golf courses, primarily, but interconnected to the well system used for all purposes.

Special conditions: Total aggregate amount of water which may be pumped from all wells on property shall not exceed 250 million gallons in any one year. Applicant must install, maintain and operate a meter to record the amount of water pumped from this well and shall report the amount of pumpage monthly to this Commission.

Driller: Mathies Well & Pump Co., Inc., Lindenhurst, New York

All construction has been completed in accordance with the provisions of Decision (3) of December 6, 1962 and the system may be operated subject to the terms thereof.

Albany, New York

Date November 5, 1964

WATER RESOURCES COMMISSION

By ROBERT A. COOK

(L. S.) Secretary

Post this notice near well

County Nassau

Appl. No. W-2190

Well No. N-7500

WATER RESOURCES COMMISSION

Report on Completed Long Island Well

Owner County of Nassau (Department of Public Works)

Address Mineola, New York

Location Salisbury Park, New York

Driller Mathies Well & Pump Co., Inc. Date Completed Nov. 20, 1963

Casings 405 ft. of 20 in.; 102 ft. of 12 in.; _____ ft. of _____ in.

Cook-Everdur

Screen 53 ft. of 12 in. #55 Total depth 458 ft.
(below grade)

Pump Peerless DWT Motor IIS 150 HP

Capacity 1400 g.p.m. (Nominal - ~~by-foot~~)

Use of water Primarily for sprinkling one of the golf courses but it is interconnected to other wells used for all purposes on property.
Other wells on premises NOS. N 1631, N-2923, N-2939, N-2943, N-5451 & N-5675D.

Well Driller's preliminary report made 10/22/63 final report 6/18/64

Remarks Inspected by Engineer Waterman. All conditions appear to have been complied with.

Recommendations Issuance of Operating Permit for Well No. N-7500

Date Inspected 10/7/64 Date Report 10/13/64


Associate Engineer

State of New York Department of Conservation
WATER RESOURCES COMMISSION

Inspection of Wells over 45 gpm without diffusion

Name County of Nassau Well No. N 9500
 Address Calistoga Park Appl. No. W-2190

Date of inspection	10/7/64				
Inspector	W.W.				
Person contacted	Howland Hess				
Status	Active				
Type & size of pump	DWT 150 HP				
Capacity	1400 gpm				
Period of operation	5/1/50				
Operating pressures	120				
Diam. discharge line	10'				
Flow meas. fittings	1/2"				
Use of water	Golf course sprinkling				
Est. annual pumpage	Report monthly				
Temperature					
No. of wells	N-1631 N-2923 N-2937 N-2943 N-5451 N-5675 D	7			
Meters installed	N-95000 N-10000	Req'd			
S.W.					

Remarks

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MINUTES OF HEARING

Long Island Well Application No. W-2190

COUNTY OF NASSAU - 5th Application

Place: Office of the Commission, 373 Maple Avenue, Westbury

Date: November 21, 1962

Time: 10 A.M.

Applicant represented by: Henry L. Frumenthal, Hydro. Engr., in Dept of Pub. Works.

Objectors: None

Appearances: Lawrence P. Lukin, Sr. Pub Health Engr., Nassau Cty., Dept. Health

Proof of publication in: Thursday of Pub Act, issue of 11/14/62

Location of property: owned by Chas. Bidel on West by Merrick Ave, No. by Part of D. R. R., E by Comm. Ave, S by Hemp Turne. Total 9.60 acres.

Remarks:- consist of 3 Golf Courses, Several bldgs & recreational facilities. use existing wells on prop. previously by W.P. & C.C. 4 wells. well use and supply & diff. for A.C. in Club Hse. Not connected with general system - also a W.S. # 3273 to supply temp. out side patch pump - (4.5 acres) still being supplied. ~~Not~~ installing sprinkler system at Rd. golf course in N westerly portion of Prop - also several bldgs. to be constructed in the general area include the 12 Acres on W/S of Merrick Ave (Baum Ave).

Need - Need add'l supply of water

New well 800' ± E of Baum Ave 150' ± depth of 1" diameter pipe Extension 20 meter - 12" inner core - 12" SCR - 400' depth - pump Elec. Submersible 1700 gpm cap - 11/0 final plans as yet - Housing for well & pump - & controls in vault below grade - sounding procedures to be taken - water connected w/ existing potable supply system out back -

Est. total water requirements and New well - 250 M.G.Y., 50 M.G. for peak month - w/ 1st Day of 2.5 M.G. - limited storage primarily for pressure control. New well to have 2-15,000 gal press tanks -

Works (Sunday) removed from any wells - Headed by well debit -

W.L. found - low change except for seasonal fluctuations -

Headed pub. supply well N-5654 long about 3/4 mi N.W. of prop. well.

Saccoccia

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
EISENHOWER PARK IRRIGATION WELL PUMPAGE (GALLONS)

-- 1989 --

MONTH	#1 N-2923	#2 N-3129	#3 N-3243	#4 N-1631	#6 N-7500	TOTAL 1989 GALLONS (BY MONTH)
JANUARY	---	---	---	---	---	---
FEBRUARY	---	---	---	---	---	---
MARCH	593,000	1,000	---	358,300	30,000	982,300
APRIL	2,637,000	---	140,000	---	96,000	2,873,000
MAY	1,149,000	---	90,000	118,200	---	1,357,200
JUNE	4,511,000	2,000	470,000	989,100	---	5,972,100
AUGUST	6,314,000	1,452,000	460,000	431,200	---	8,657,200
SEPTEMBER	3,607,000	2,048,000	140,000	344,400	---	6,139,400
OCTOBER	1,488,000	203,000	80,000	324,100	---	2,095,100
NOVEMBER	321,000	80,000	30,000	137,900	---	568,900
DECEMBER	WELLS SHUT DOWN UNTIL APRIL 1990					---
TOTAL GALLONS (BY WELL)	20,620,000	3,786,000	1,410,000	2,703,200	126,000	28,645,200

NOTE: WELL # 6 OUT OF SERVICE AS OF 6/89 DUE TO OPERATIONAL PROBLEMS.
RENOVATION AND REHABILITATION WORK TO BE DONE DURING MID 1990.

LVP 03/26/90

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
EISENHOWER PARK IRRIGATION WELL PUMPAGE (GALLONS)

-- 1988 --

MONTH	#1 N-2923	#2 N-3129	#3 N-3243	#4 N-1631	#6 N-7500	TOTAL GALLONS (BY MONTH)
JANUARY						
FEBRUARY	187,000	---	100,000	O U T	6,000	293,000
MARCH						
APRIL	469,000	455,000	10,000	O F	855,000	1,789,000
MAY	---	54,000	30,000	S E R V I C E	731,000	815,000
JUNE	3,067,000	2,358,000	250,000		3,607,000	9,282,000
JULY	1,864,000	2,639,000	920,000		3,250,000	8,673,000
AUGUST	5,132,000	4,996,000	1,180,000		4,399,000	15,707,000
SEPTEMBER	2,603,000	1,624,000	510,000		3,043,000	7,780,000
OCTOBER	607,000	82,000	130,000	1,222,000	793,000	2,834,000
NOVEMBER						
DECEMBER	3,000	4,000	10,000	328,300	228,000	573,300
TOTAL GALLONS (BY WELL)	13,932,000	12,212,000	3,140,000	1,550,300	16,912,000	47,746,300

NOTE: WELL #4/N-1631 OUT OF SERVICE SINCE JULY 1966, REINSTATED OCTOBER 1988.

LVP 03/26/90

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
EISENHOWER PARK IRRIGATION WELL PUMPAGE (GALLONS)

-- 1987 --

MONTH	#1 N-2923	#2 N-3129	#3 N-3243	#6 N-7500	TOTAL GALLONS (BY MONTH)
JANUARY					
FEBRUARY					
MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST		NOT AVAILABLE		NOT AVAILABLE	
SEPTEMBER	5,767,000		340,000		6,107,000
OCTOBER	267,000	619,000	80,000	NOT AVAIL.	966,000
NOVEMBER					
DECEMBER	309,000	466,000	50,000	494,000	1,319,000
TOTAL GALLONS (BY WELL)	6,343,000	1,085,000	470,000	494,000	8,392,000

NOTE:

PUMPAGE DATA FOR JAN 87 THROUGH JULY 87 WAS NOT
AVAILABLE FOR ALL WELL LOCATIONS.

LVP 03/26/90

JFC:RGD:dq
encl.

John F. Caruso
Deputy Commissioner
Very truly yours,
John F. Caruso

In response to your letter of February 24, 1983 requesting pumpage data, enclosed is the 1982 report of wells located in Eisenhower Park.
At an earlier date, we forwarded to you the reports of pumpage by wells from the public water supply systems in Nassau County for 1982. When the tabulation reports of these water systems are completed, we will forward the information to you along with the Holly Patterson Home well pumpage.

Dear Mr. Candela:

Re: Pumpage Data

Mr. Anthony S. Candela, P.E.
New York State
Department of Environmental Conservation
Building 40 - Room 128
SUNY at Stony Brook
Stony Brook, New York 11794

May 24, 1983

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501



LUDWIG C. HASL, P.E.
COMMISSIONER

RECEIVED
MAY 27 1983
ENVIRONMENTAL QUALITY
REGION 1

FRANCIS T. PURCELL
COUNTY EXECUTIVE

11

RECEIVED

MAY 31 1988

ENVIRONMENTAL QUALITY
REGION 1

PUMPAGE OF MASSAU COUNTY PARK

EISENHOWER PARK (in gallons)

1982

	#1 N-2923 Magothy	#2 N-3129 Magothy	#3 N-3243 Magothy	#4 N-1631 Upper Pleis	#5 N-5451 Magothy	#6 N-7500 Magothy	TOTALS
JANUARY						3,999,000	3,999,000
FEBRUARY	} 41,000 {		} 13,000 {			} 5,782,000 {	} 5,836,000 {
MARCH							
APRIL	57,000		1,000			5,298,000	5,356,000
MAY	} 2,292,000 {					} 16,485,000 {	} 18,777,000 {
JUNE							
JULY	2,692,000		560,000			14,938,000	18,190,000
AUGUST	377,000		1,651,000			8,449,000	10,477,000
SEPTEMBER	13,000		1,982,000			13,137,000	15,132,000
OCTOBER	} 4,000 {					} 12,058,000 {	} 12,062,000 {
NOVEMBER							
DECEMBER			1,037,000			6,815,000	7,852,000
TOTAL	5,476,000		5,244,000			86,961,000	97,681,000

NOTE: Well No. N-5451 is unmetered. Pumpage is computed on the basis of 6,600 gallons per hour multiplied by the reported numbers of hours operated.

FRANCIS T. PURCELL
COUNTY EXECUTIVE



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501

MICHAEL R. PENDER, P.E.
COMMISSIONER

January 30, 1981

Mr. Anthony S. Candela, P.E.

New York State

Department of Environmental Conservation

SUNY at Stony Brook

Building 40 - Room 219

Stony Brook, New York 11794

Re: Pumpage Data

Dear Mr. Candela:

In response to your letter of January 5, 1981 request-
ing pumpage data, enclosed is the 1980 report on wells
located in Eisenhower Park.

We are presently compiling the report on the public
water supply systems in Nassau County and we have not yet
received the report on the wells for the Holly Patterson
Home. This information will be sent to you as soon as it
is available.

Very truly yours,

James S. Gillen, P.E.
Deputy Commissioner of Public Works

JSG:FB:dq
encl.

RECEIVED

1981 JAN 30
D. E. C.
ATTORNEYS, REGION I

11

1980

RECEIVED

FEB 4 1981

W. S. D. F. C.
 WYOMING REGION 1
 TOTALS

	#1 N-2923 Magothy	#2 N-3129 Magothy	#3 N-3243 Magothy	#4 N-1631 Upper Pleis	#5 N-5451 Magothy		
JANUARY						1,222,000	1,105,000
FEBRUARY						246,000	2,300,000
MARCH						5,242,000	5,371,000
APRIL	101,000		28,000			8,044,000	8,290,000
MAY	49,000		197,000			23,980,000	34,691,000
JUNE	9,894,000		817,000			9,106,000	14,989,000
JULY	4,652,000		1,231,000			18,492,000	26,973,000
AUGUST	7,219,000		1,262,000			5,999,000	17,479,000
SEPTEMBER	5,263,000	669,000	11,547,000			1,065,000	1,464,000
OCTOBER	8,000		107,000			1,464,000	1,464,000
NOVEMBER							
DECEMBER							
TOTAL	27,186,000	669,000	15,189,000			78,180,000	

NOTE: Well No. N-5451 is unmetered. Pumpage is computed on the basis of 6,600 gallons per hour by the reported numbers of hours operated.

LUDWIG C. HASL, P.E.
COMMISSIONER



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501

JULY 13, 1982

Mr. Anthony S. Candela, P.E.
New York State
Department of Environmental Conservation
Building 40 - Room 219
SUNY at Stony Brook
Stony Brook, New York 11794

Re: Pumpage Records

Dear Mr. Candela:

In response to your request for 1981 Nassau County pumpage data, attached is the report for wells located in Eisenhower Park.

We are presently compiling the well pumpage reports of the public water supply systems and the A. Holly Patterson Home. These will be forwarded to you when completed.

Very truly yours,

John I. Caruso

Deputy Commissioner of Public Works

JFC:FB:dq
encl.

FRANCIS T. PURCELL
COUNTY EXECUTIVE

RECEIVED
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK

New York State Department of Environmental Conservation
Division of Water
SUNY Building #40
Stony Brook, NY 11790-2356
Telephone: (631) 444-0410 Fax: (631) 444-0424

PUMPAGE REPORT FOR L. I. WELLS

Report Prepared By: Eugene Contino Jr Date: 3/29/06 Telephone: 5720427

Owner: County of NASSAU

Owner Well Designation or Pump Number: Well #4 Red Course

Well Number: N007500

Permit Number: W-2190

Report for: 3/2006
(Month - Year)

Date of Current Reading: 3/29/06 Meter Reading: 441,851
(Month-Day-Year)

Date of Previous Reading: 4/8/05 Meter Reading: 396,330
(Month-Day-Year)

Pumpage: 45,521 15 1000
(Units)

Remarks:

1998

THOMAS S. GULOTTA
COUNTY EXECUTIVE

JOHN M. WALTZ, P.E.
COMMISSIONER



RECEIVED
JUN 15 1998
DEC REGION 1

COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501-4822

June 11, 1998

New York State Department
of Environmental Conservation
SUNY Building #40, Room 132
Stony Brook, NY 11790-2356

Attn: Mr. Tim Landsiedel

Re: Eisenhower Park Golf Course Irrigation Wells
Permit Nos. W-2190, W-0928, W-1002
NYS Well Nos. N-07500, N-02923, N-03243, N-03129

Dear Mr. Landsiedel:

In compliance with our permit requirements, please be advised of the following groundwater withdrawals made between March 12, 1997 and June 9, 1998:

<u>PERMIT #</u>	<u>WELL #</u>	<u>GALLONS</u>
W-0928	N-02923 ✓	Not in use
	N-03129 -	25,528,000
W-1002	N-03243 ✓	10,000
W-2190	N-07500 ✓	<u>28,899,000</u>
TOTAL:		54,437,000

Monthly reports of the aforementioned data will be forwarded to you as requested.

Very truly yours,

James F. Mulligan, P.E.
Director of Water Management

JFM:LVD:dc

1990

THOMAS S. GULOTTA
COUNTY EXECUTIVE

LUDWIG C. HASL, P.E.
COMMISSIONER



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
MINEOLA, NEW YORK 11501-4822

January 29, 1991

Mr. George Schilpp
The New York State Department of
Environmental Conservation
Division of Water Supply
Building #40
SUNY at Stony Brook
Stony Brook, New York 11790-2356

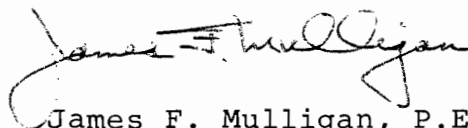
Re: Eisenhower Park Irrigation Well Pumpage

Dear Mr. Schilpp:

Please find enclosed pumpage reports for Eisenhower Park irrigation well nos. N-1631, N-2923, N-3129, and N-3243 for 1990. Note that there was no pumpage for irrigation well no. N-7500 for all of 1990 due to operational problems.

Please notify us if we may be of further assistance.

Very truly yours,


James F. Mulligan, P.E.
Director of Water Management

JFM:LVD:jb
Encls.

NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS
EISENHOWER PARK IRRIGATION WELL PUMPAGE (GALLONS)

-- 1990 --

MONTH	#1 N-2923	#2 N-3129	#3 N-3243	#4 N-1631	#6 N-7500	TOTAL 1990 GALLONS (BY MONTH)	
JANUARY	---	---	---	---	---	---	
FEBRUARY	---	---	---	---	---	---	
MARCH	---	---	---	---	---	---	
APRIL	540,000	460,000	30,000	25,800	(1)	1,055,800	
MAY	1,234,000	790,000	---	121,300	---	2,145,300	
JUNE	4,523,000	2,416,000	350,000	606,500	---	7,895,500	
JULY	4,227,000	2,558,000	360,000	526,300	---	7,671,300	
AUGUST	1,575,000	3,771,000	590,000	738,300	---	6,674,300	
SEPTEMBER	2,223,000	2,383,000	390,000	473,900	---	5,469,900	
OCTOBER	608,000	(2)	620,000	578,100	---	1,806,100	
NOVEMBER	633,000	---	180,000	262,800	---	1,075,800	
DECEMBER	WELLS SHUT DOWN UNTIL				APRIL	1991	----
TOTAL GALLONS (BY WELL)	15,563,000	12,378,000	2,520,000	3,333,000	---	33,794,000	

(1): WELL #6 OUT OF SERVICE AS OF JUNE 1989 DUE TO OPERATIONAL PROBLEMS.
RENOVATION AND REHABILITATION WORK CURRENTLY UNDERWAY.

(2): WELL #2 METER MALFUNCTIONING AS OF OCTOBER 1990. SCHEDULED FOR REPAIR
PRIOR TO THE 1991 PUMPING SEASON.

LVD 01/28/91