

**SALINITY BARRIER INJECTION WELLS
Non-active Operation Permit Renewal
Department of Public Utilities
City of Hollywood**

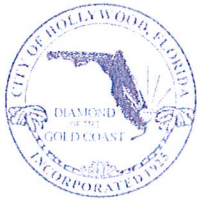
**Distribution List
(With Complete Permit Application Submittal)**

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C (with letter only): Steve Joseph, P.E., COH - Director – Department of Public Utilities
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Coy Mathis, COH – Public Utilities Manager – Department of Public Utilities
File 9065-1.3



CITY OF HOLLYWOOD, FLORIDA

DEPARTMENT OF PUBLIC UTILITIES

ENGINEERING AND CONSTRUCTION SERVICES DIVISION · P. O. Box 229045 · HOLLYWOOD, FLORIDA 33022-9045
PHONE: (954) 921-3930 · FAX: (954) 921-3258 · WWW.HOLLYWOODFL.ORG

September 6, 2012

Gardner Strasser, P.G.
STATE OF FLORIDA
Department of Environmental Protection
Water Facilities - UIC
400 North Congress Avenue, Suite 200
West Palm Beach, Florida 33401

RE: Salinity Barrier Injection Wells Non-active Operating Repermitting Application
Department of Public Utilities
City of Hollywood

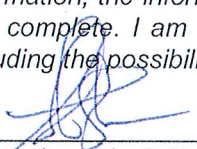
Dear Mr. Strasser:

We have enclosed the following documents for the Non-active Operating Repermitting Application of two existing Class V Salinity Barrier Injection Wells located at Hollywood Beach Golf Course:


- Two copies of the completed and signed Permit Application Submittal for Salinity Barrier Injection Wells No. 1 and No. 2;
- One check in the amount of \$1,500 for the operating repermitting application fee of two injection wells.

Should you have any questions or comments, please feel free to contact us.

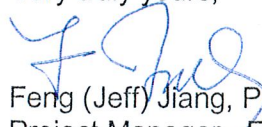
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Steve Joseph, P.E.
Director of Public Utilities
City of Hollywood, Florida


Feng (Jeff) Jiang, P.E.
License No. 58075

Very truly yours,


Feng (Jeff) Jiang, P.E.
Project Manager - ECSD
Department of Public Utilities
City of Hollywood, Florida



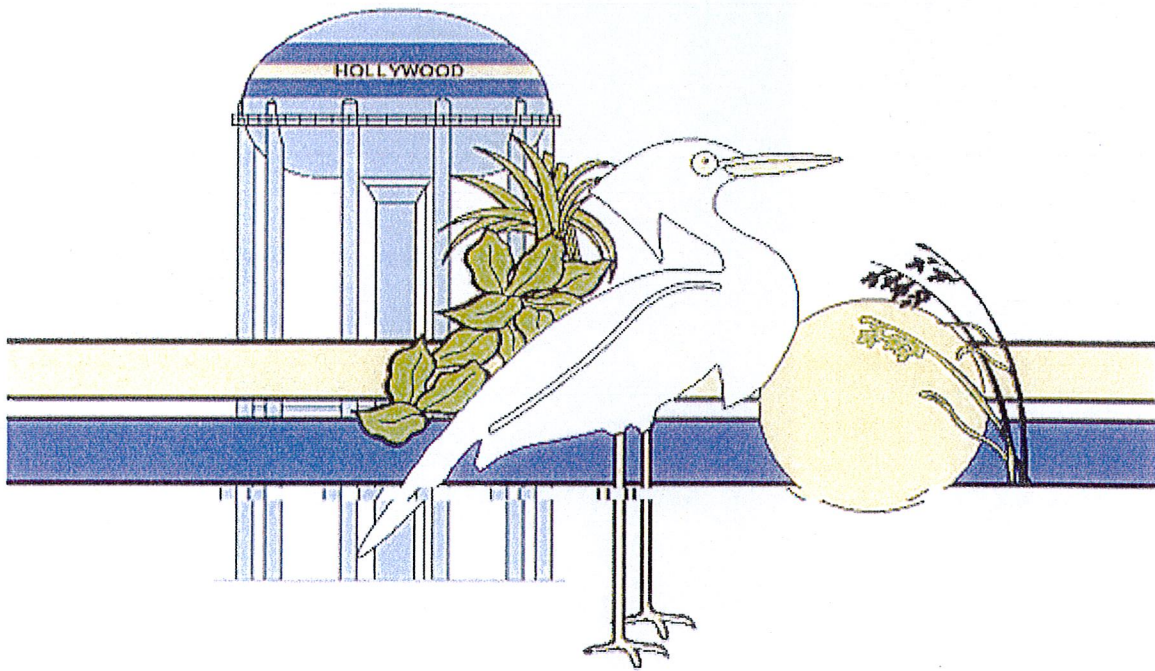
Our Mission: We are dedicated to providing municipal services for our diverse community in an atmosphere of competition, courtesy and respect.

We do this by ensuring all who live, work and play in the City of Hollywood enjoy a high quality of life.

"An Equal Opportunity and Service Provider Agency"

**SALINITY BARRIER INJECTION WELLS
NON-ACTIVE OPERATION REPERMITTING APPLICATION**

**DEPARTMENT OF PUBLIC UTILITIES
CITY OF HOLLYWOOD**



September 2012

ENGINEERING CONSTRUCTION SERVICES DIVISION

1621 N 14th Avenue
PO Box 229045
Hollywood, FL 33022-9045

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Salinity Barrier Injection Wells Non-active Operating Repermitting Application Department of Public Utilities City of Hollywood

TITLE

DEP Form 62-528.900(1)

Attachment A – General Review

Attachment B – Location of Salinity Barrier Injection Wells and Monitoring Wells

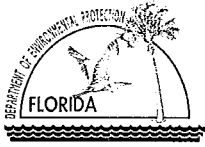
Attachment C – Record Drawings of the Salinity Barrier Injection Wells

Attachment D – Salinity Barrier Injection Well Plugging and Abandonment Plan

Attachment E – Certification of Financial Responsibility

Attachment F – Deed of the Hollywood Beach Golf Course

Attachment G – Proposed Protection to the Salinity Barrier Injection Wells



Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road,
Tallahassee, Florida 32399-2400

DEP Form No:	62-528.900 (1)
Form Title:	Application to Construct/ Operate/Abandon Class I, III, or V Injection Well Systems
Effective Date:	
DEP Application No.:	(Filled in by DEP)

APPLICATION TO CONSTRUCT/OPERATE/ABANDON CLASS I, III, OR V INJECTION WELL SYSTEMS

Part I. Directions

- A. All applicable items must be completed in full in order to avoid delay in processing this application. Where attached sheets or other technical documentation are utilized in lieu of the blank space provided, indicate appropriate cross-reference in the space and provide copies to the Department in accordance with C. below. Where certain items do not appear applicable to the project, indicate N/A in the appropriate spaces.
- B. All information is to be typed or printed in ink.
- C. Four (4) copies of this application and four (4) copies of supporting information such as plans, reports, drawings and other documents shall be submitted to the appropriate District/Subdistrict office. An engineering report is also required to be submitted to support this application pursuant to the applicable sections of Rule 62-528, F.A.C. The attached list* shall be used to determine completeness of supporting data submitted or previously received. A check for the application fee in accordance with Rule 62-4.050, F.A.C., made payable to the Department shall accompany the application.
- D. For projects involving construction, this application is to be accompanied by four (4) sets of engineering drawings, specifications and design data as prepared by a Professional Engineer registered in Florida, where required by Chapter 471, Florida Statutes.
- E. Attach 8 1/2" x 11" USGS site location map indicating township, range and section and latitude/longitude for the project.

PART II. General Information

A. Applicant Name Steve Joseph, P.E. Title Director
 Address 1621 N. 14th Avenue
 City Hollywood State FL Zip 33022-9045
 Telephone Number 954-967-4455

B. Project Status: New Existing
 Modification (specify) _____

*"Engineering and Hydrogeologic Data Required for Support of Application to Construct, Operate and Abandon Class I, III, or V Injection Wells"

C. Well Type: Exploratory Well Test/Injection Well

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D. Type of Permit Application

- Class I Test/Injection Well Construction and Testing Permit
- Class I Well Operation Permit
- Class I Well Operation Repermitting
- Class I Well Plugging and Abandonment Permit
- Class III Well Construction/Operation/Plugging and Abandonment Permit
- Class I Exploratory Well Construction and testing Permit
- Class V Well Construction Permit
- Class V Well Operation Permit
- Class V Well Plugging and Abandonment Permit
- Monitor Well Only

E. Facility Identification:

Name City of Hollywood, Department of Public Utilities

Facility Location: Street 1621 N. 14th Ave.

City Hollywood County Broward

SIC Code(s) _____

F. Proposed facility located on Indian Lands: Yes No

G. Well Identification:

Well No. 1 & 2 of 2 Wells
(total #)

Purpose (Proposed Use) Salinity Barrier Injection Wells

Well Location: Latitude: 26° 00' 49" Longitude: 80° 08' 28"
(attach separate sheet(s), if necessary, for multiple wells)

Subpart B. General Project Description:

H. General Project Description: Describe the nature, extent and schedule of the injection well project. Refer to existing and/or future pollution control facilities, expected improvement in performance of the facilities and state whether the project will result in full compliance with the requirements of Chapter 403, F.S., and all rules of the Department. Attach additional sheet(s) if necessary or cross-reference the engineering report.

Salinity Barrier Wells potential use for injection of reuse water.

SBW-2 Latitude: 26°00'59", Longitude: 80°08'29"

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PART III. Statement by Applicant and Engineer

A. Applicant

I, the owner/authorized representative* of City of Hollywood, certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I understand that this certification also applies to all subsequent reports submitted pursuant to this permit. Where construction is involved, I agree to retain the design engineer, or other professional engineer registered in Florida, to provide inspection of construction in accordance with Rule 62-528.455(1)(c), F.A.C.

1277
9/6/12

Signed _____

Date 9/6/12

SA

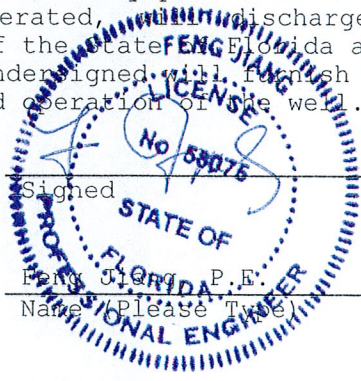
Steve Joseph, P.E., Director of Public Utilities
Name and Title (Please Type)

954-967-4455
Telephone Number

*Attach a Letter of Authorization.

B. Professional Engineer Registered in Florida

This is to certify that the engineering features of this injection well have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgement, that the well, when properly maintained and operated, will discharge the effluent in compliance with all applicable statutes of the State of Florida and the rules of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for proper maintenance and operation of the well.



Signed _____

Feng Jiang, P.E.
Name (Please Type)

City of Hollywood

Company Name (Please Type)

(Please Affix Seal)

Mailing Address (Please Type) _____

Florida Registration No. 58075 Date 9/6/2012 Phone No. 954-921-3930

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**ENGINEERING AND HYDROLOGIC DATA
REQUIRED FOR SUPPORT OF APPLICATION
TO CONSTRUCT, OPERATE, AND ABANDON
CLASS I, III, OR V INJECTION WELL SYSTEMS**

The following information shall be provided for each type of permit application.

A. CLASS I TEST/INJECTION WELL CONSTRUCTION AND TESTING PERMIT

1. A map showing the location of the proposed injection wells of well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.
2. A tabulation of data on all wells within the area of review which penetrate into the proposed injection zone, confining zone, or proposed monitoring zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Department may require.
3. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the proposed injection.
4. Maps and cross sections detailing the hydrology and geologic structures of the local area.
5. Generalized maps and cross sections illustrating the regional geologic setting.
6. Proposed operating data.
 - (a) Average and maximum daily rate and volume of the fluid to be injected;
 - (b) Average and maximum injection pressure; and,
 - (c) Source and an analysis of the chemical, physical, radiological and biological characteristics of injection fluids.
7. Proposed formation testing program to obtain an analysis of the chemical, physical and radiological characteristics of and other information on the injection zone.
8. Proposed stimulation program.
9. Proposed injection procedure.
10. Engineering drawings of the surface and subsurface construction details of the system.

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11. Contingency plans to cope with all shut-ins or well failures, so as to protect the quality of the waters of the State as defined in Rule 62-3 and 62-520, F.A.C., including alternate or emergency discharge provisions.
12. Plans (including maps) and proposed monitoring data to be reported for meeting the monitoring requirements in Rule 62-528.425, F.A.C.
13. For wells within the area of review which penetrate the injection zone but are not properly completed or plugged, the corrective action proposed to be taken under Rule 62-528.300(5), F.A.C.
14. Construction procedures including a cementing and casing program, logging procedures, deviation checks, proposed methods for isolating drilling fluids from surficial aquifers, proposed blowout protection (if necessary), and a drilling, testing and coring program.
15. A certification that the applicant has ensured, through a performance bond or other appropriate means, the resources necessary to close, plug or abandon the well as required by Rule 62-528.435(9), F.A.C.

B. CLASS I INJECTION WELL OPERATION PERMIT

1. A report shall be submitted with each application for a Class I Well operating permit, which shall include, but not be limited to, the following information:
 - (a) Results of the information obtained under the construction permit described in A. CLASS I TEST/INJECTION WELL CONSTRUCTION AND TESTING PERMIT, including:
 - (1) All available logging and testing program data and construction data on the well or well field;
 - (2) A satisfactory demonstration of mechanical integrity for all new wells pursuant to Rule 62-528.300(6), F.A.C.;
 - (3) The actual operating data, including injection pressures versus pumping rates where feasible, or the anticipated maximum pressure and flow rate at which the permittee will operate, if approved by the Department;
 - (4) The actual injection procedure;
 - (5) The compatibility of injected waste with fluids in the injection zone and minerals in both the injection zone and the confining zone; and,
 - (6) The status of corrective action on defective wells in the area of review.
 - (b) Record drawings, based upon inspections by the engineer or persons under his direct supervision, with all deviations noted;
 - (c) Certification of completion submitted by the engineer of record;
 - (d) If requested by the Department, operation manual including emergency procedures;

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- (e) Proposed monitoring program and data to be submitted;
- (f) Proof that the existence of the well has been recorded on the surveyor's plan at the county courthouse; and,
- (g) Proposed plugging and abandonment plan pursuant to Rule 62-528.435(2), F.A.C.

C. CLASS I WELL OPERATION REPERMITTING

1. An updated map showing the location of the injection wells or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.
2. A tabulation of data on all wells within the area of review which penetrate into the injection zone, confining zone, or monitoring zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Department may require.
3. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the injection.
4. Maps and cross sections detailing the hydrology and geologic structures of the local area.
5. Generalized maps and cross sections illustrating the regional geologic setting.
6. Contingency plans to cope with all shut-ins or well failures, so as to protect the quality of the waters of the State as defined in Rule 62-3 and 62-520, F.A.C., including alternate or emergency discharge provisions.
7. For wells within the area of review which penetrate the injection zone but are not properly completed or plugged, the corrective action proposed to be taken under Rule 62-528.300(5), F.A.C.
8. A certification that the applicant has ensured, through a performance bond or other appropriate means, the resources necessary to close, plug or abandon the well as required by Rule 62-528.435(9), F.A.C.
9. A report shall be submitted with each application for repermitting of Class I Well operation which shall include the following information:
 - (a) All available logging and testing program data and construction data on the well or well field;

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- (b) A satisfactory demonstration of mechanical integrity for all wells pursuant to Rule 62-528.300(6), F.A.C.;
- (c) The actual operating data, including injection pressures versus pumping rates where feasible, or the anticipated maximum pressure and flow rate at which the permittee will operate, if approved by the Department;
- (d) The actual injection procedure;
- (e) The compatibility of injected waste with fluids in the injection zone and minerals in both the injection zone and the confining zone;
- (f) The status of corrective action on defective wells in the area of review;
- (g) Record drawings, based upon inspections by the engineer or persons under his direct supervision, with all deviations noted;
- (h) Certification of completion submitted by the engineer of record;
- (i) An updated operation manual including emergency procedures;
- (j) Proposed revisions to the monitoring program or data to be submitted; and,
- (k) Proposed plugging and abandonment plan pursuant to Rule 62-528.435(2), F.A.C.

D. CLASS I WELL PLUGGING AND ABANDONMENT PERMIT

- 1. The reasons for abandonment.
- 2. A proposed plan for plugging and abandonment describing the preferred and alternate methods, and justification for use.
 - (a) The type and number of plugs to be used;
 - (b) The placement of each plug including the elevation of the top and bottom;
 - (c) The type and grade and quantity of cement or any other approved plugging material to be used; and,
 - (d) The method for placement of the plugs.
- 3. The procedure to be used to meet the requirements of Rule 62-528.435, F.A.C.

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E. CLASS III WELLS CONSTRUCTION/OPERATION/PLUGGING AND ABANDONMENT PERMIT

Construction Phase

1. A map showing the location of the proposed injection wells or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water system, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.
2. A tabulation of data on all wells within the area of review which penetrate into the proposed injection zone, confining zone, or proposed monitoring zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of plugging and/or completion, and any additional information the Department may require.
3. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the proposed injection.
4. Maps and cross sections detailing the hydrology and geologic structures of the local area.
5. Generalized maps and cross sections illustrating the regional geologic setting.
6. Proposed operating data:
 - (a) Average and maximum daily rate and volume of the fluid to be injected;
 - (b) Average and maximum injection pressure; and,
 - (c) Source and an analysis of the chemical, physical, radiological and biological characteristics of injection fluids, including any additives.
7. Proposed formation testing program to obtain an analysis of the chemical, physical and radiological characteristics of and other information on the injection zone.
8. Proposed stimulation program.
9. Proposed injection procedure.
10. Engineering drawings of the surface and subsurface construction details of the system.

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11. Contingency plans to cope with all shut-ins or well failures or catastrophic collapse, so as to protect the quality of the waters of the State as defined in Rule 62-3 and 62-520, F.A.C., including alternate or emergency discharge provisions.
12. Plans (including maps) and proposed monitoring data to be reported for meeting the monitoring requirements in Rule 62-528.425, F.A.C.
13. For wells within the area of review which penetrate the injection zone but are not properly completed or plugged, the corrective action proposed to be taken under Rule 62-528.300(5), F.A.C.
14. Construction procedures including a cementing and casing program, logging procedures, deviation checks, proposed methods for isolating drilling fluids from surficial aquifers, and a drilling, testing and coring program.
15. A certificate that the applicant has ensured, through a performance bond or other appropriate means, the resources necessary to close, plug or abandon the well as required by Rule 62-528.435(9), F.A.C.
16. Expected changes in pressure, native fluid displacement, direction of movement of injection fluid.
17. A proposed monitoring plan, which includes a plan for detecting migration of fluids into underground sources of drinking water, a plan to detect water quality violation in the monitoring wells, and the proposed monitoring data to be submitted.

Operation Phase

1. The following information shall be provided to the Department prior to granting approval for the operation of the well or well field:
 - (a) All available logging and testing program data and construction data on the well or well field;
 - (b) A satisfactory demonstration of mechanical integrity for all new wells pursuant to Rule 62-528.300(6), F.A.C.;
 - (c) The actual operating data, including injection pressure versus pumping rate where feasible, or the anticipated maximum pressure and flow rate at which the permittee will operate, if approved by the Department;
 - (d) The results of the formation testing program;
 - (e) The actual injection procedure; and,
 - (f) The status of corrective action on defective wells in the area of review.

Plugging and abandonment Phase

1. The justification for abandonment.

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2. A proposed plan for plugging and abandonment describing the preferred and alternate methods.
 - (a) The type and number of plugs to be used;
 - (b) The placement of each plug including the elevation of the top and bottom;
 - (c) The type and grade and quantity of cement or any other approved plugging material to be used; and,
 - (d) The method for placement of the plugs.
3. The procedure to be used to meet the requirements of Rule 62-528.435, F.A.C.

F. EXPLORATORY WELL CONSTRUCTION AND TESTING PERMIT

1. Conceptual plan of the injection project. Include number of injection wells, proposed injection zone, nature and volume of injection fluid, and proposed monitoring program.
2. Preliminary Area of Review Study. Include the proposed radius of the area of review with justification for that radius. Provide a map showing the location of the proposed injection well or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.
3. Proposed other uses of the exploratory well.
4. Drilling and testing plan for the exploratory well. The drilling plan must specify the proposed drilling program, sampling, coring, and testing procedures.
5. Abandonment Plan.

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G. CLASS V WELL CONSTRUCTION PERMIT

(This form should be used for Class V Wells instead of Form 62-528.900(3), F.A.C., when there is a need for a Technical Advisory Committee and an engineering report.)

1. Type and number of proposed Class V Wells:

- _____ Wells Receiving Domestic Waste
- _____ Desalination Process Concentrate Wells (Reverse Osmosis, etc.)
- _____ Aquifer Storage and Recovery Wells
- _____ Aquifer Remediation Wells
- _____ Salt-water Intrusion Barrier Wells
- _____ Cooling Water Return Flow Wells Open-looped System
- _____ Subsidence Control Wells
- _____ Sand Backfill Wells
- _____ Experimental Technology Wells
- _____ Wells used to inject spent brine after halogen recovery
- _____ Radioactive Waste Disposal Wells*
- _____ Borehole Slurry Mining Wells
- _____ Other non-hazardous Industrial or Commercial Disposal Wells
- (explain) _____
- _____ Other (explain) _____

*Provided the concentrations of the waste do not exceed drinking water standards contained in Chapter 62-550, F.A.C.

2. Project Description:

- (a) Description and use of proposed injection system;
- (b) Nature and volume of injected fluid (the Department may require an analysis including bacteriological analysis) in accordance with Rule 62-528.635(2)(b), F.A.C.; and,
- (c) Proposed pretreatment.

3. Water well contractor's name, title, state license number, address, phone number and signature.

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4. Well Design and Construction Details. (For multi-casing configurations or unusual construction provisions, an elevation drawing of the proposed well should be attached.)

(a) Proposed total depth;

(b) Proposed depth and type of casing(s);

(c) Diameter of well;

(d) Cement type, depth, thickness; and,

(e) Injection pumps (if applicable): _____ gpm @ _____ psi

Controls: _____

5. Water Supply Wells - When required by Rule 62-528.635(1), F.A.C., attach a map section showing the locations of all water supply wells within a one-half (1/2) mile radius of the proposed well. The well depths and casing depths should be included. When required by Rule 62-528.635(2), F.A.C., results of bacteriological examinations of water from all water supply wells within one-half (1/2) mile and drilled to approximate depth of proposed well should be attached.

6. Area of review (When required by Rule 62-528.300(4), F.A.C.)

Include the proposed radius of the area of review with justification for that radius. Provide a map showing the location of the proposed injection well or well field area for which a permit is sought and the applicable area of review. Within the area of review, the map must show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, surface bodies of water, springs, public water systems, mines (surface and subsurface), quarries, water wells and other pertinent surface features including residences and roads. The map should also show faults, if known or suspected. Only information of public record and pertinent information known to the applicant is required to be included on this map.

H. CLASS V WELL OPERATION PERMIT

(Final report of the construction that includes the following information may be submitted with the application to operate.)

1. Permit Number of Class V Construction Permit: 0054633-002-UC / 0054633-011-UC

2. Owner's Name: City of Hollywood, Department of Public Utilities

3. Type of Wells: Class V Salinity Barrier Injection Wells

4. Construction and Testing Summary:

(a) Actual Dimensions:

Diameter	<u>12</u> (inches)	Well Depth	<u>166</u> (feet)	Casing Depth	<u>136</u> (feet)
	<u>12</u>		<u>188</u>		<u>135</u>
	_____		_____		_____
	_____		_____		_____
	_____		_____		_____

(b) Result of Initial Testing

5. Proposed Operating Data:

- (a) Injection Rate (GPM);
- (b) Description of injected waste; and,
- (c) Injection pressure and pump controls.

6. Proposed Monitoring Plan (if any):

- (a) Number of monitoring wells;
- (b) Depth(s);
- (c) Parameters;
- (d) Frequency of sampling; and,
- (e) Instrumentation (if applicable) Flow N/A - No Flow Permit
Pressure N/A - No Flow Permit

I. CLASS V WELLS PLUGGING AND ABANDONMENT PERMIT

- 1. Permit number of Class V construction or operating permit.
- 2. Type of well.
- 3. Proposed plugging procedures, plans and specifications.
- 4. Reasons for abandonment.

DEP Form No:	62-528.900(1)
Form Title:	Application to Construct/ Operate/Abandon Class I, III, or V Injection Well Systems
Effective Date:	
DEP Application No.:	(Filled in by DEP)

J. MONITOR WELL PERMIT

This section should be used only when application is made for a monitor well only. If a monitor well is to be constructed under a Class I, III, or V injection well construction permit, it is necessary to fill in this section.

1. A site map showing the location of the proposed monitor wells for which a permit is sought. The map must be to scale and show the number or name, and location of all producing wells, injection wells, abandoned wells, dry holes, water wells and other pertinent surface features including structures and roads.
2. Maps and cross sections indicating the general vertical and lateral limits within the area of review of all underground sources of drinking water, their position relative to the injection formation and the direction of water movement, where known, in each underground source of drinking water which may be affected by the proposed injection.
3. Maps and cross sections detailing the hydrology and geologic structures of the local area.
4. Generalized maps and cross sections illustrating the regional geologic setting.
5. Proposed formation testing program to obtain an analysis of the chemical, physical and radiological characteristics of and other information on the monitor zone(s).
6. Proposed monitoring procedure.
7. Engineering drawings of the surface and subsurface construction details of the monitoring system.
8. Proposed monitoring data to be reported for meeting the monitoring requirements in Rule 62-528.425, F.A.C.
9. Construction procedures including a cementing and casing program, logging procedures, deviation checks, proposed methods for isolating drilling fluids from surficial aquifers, proposed blowout protection (if necessary), and a drilling, testing and coring program

10. Monitor Well Information:

On-site Multizone Single-zone

Regional Other (specify) _____

Proposed Monitoring Interval(s) _____

Distance and Direction From Associated Injection Well _____



**Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application**

**Attachment A
Project Review**

PROJECT REVIEW

OF EXISTING SALINITY BARRIER INJECTION WELLS

1.1 History of the Salinity Barrier Injection Wells

In 1990s, the City of Hollywood in concert with the South Florida Water Management District (SFWMD) and the AWWA Research Foundation, initiated an investigation to determine the feasibility of using highly treated reuse water to control the westward migration of saline water in the Biscayne Aquifer.

Two salinity barrier injection wells and ten monitoring wells were installed in 1998 at Hollywood Beach Golf Course. The two Class V, Group 2 injection wells were tested with potable water taken from the City's distribution system in 2000. Hydrogeological test were conducted and some water quality data were collected during the short term injection testing for future development of a groundwater flow and transport model.

The injection test with reuse water was not performed as originally planned after year 2000.

1.2 Potential Use of Existing Salinity Barrier Injection Wells

Presently the City of Hollywood does not have specific plan to use these two salinity barrier wells for reuse water injection. However, the City may need to use these two wells for hydrogeological data collection, in case a recharge to Biscayne aquifer needs to be analyzed as part of the ongoing Ocean Outfall Rule Change Compliance Plan.

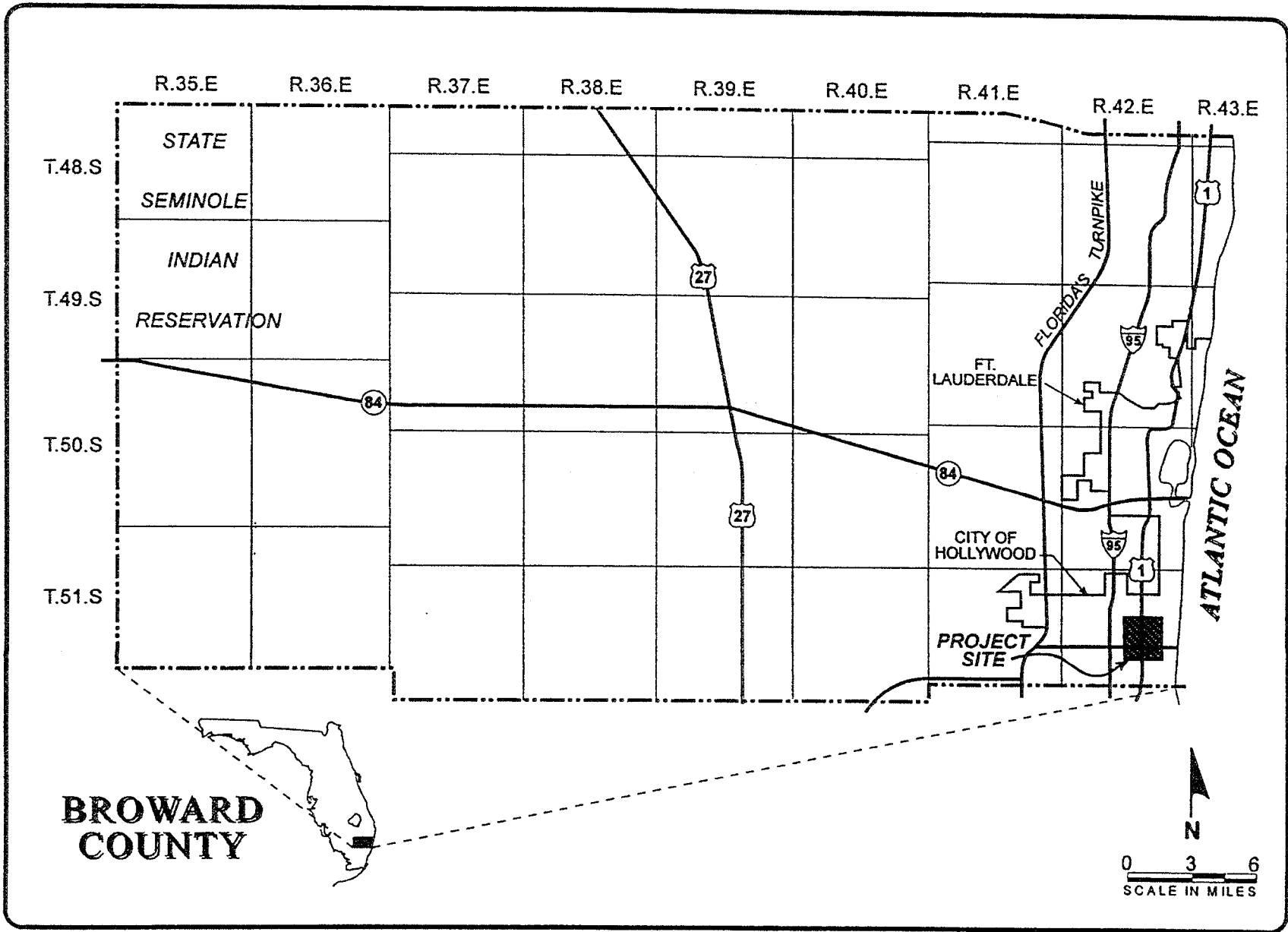
In April 2012, the Florida Department of Environmental Protection contacted City of Hollywood and recommended that a operational permit be applied if the City would like to leave these salinity barrier injection wells as an option to be utilized in the near future. Based on the agreement, a non-active operational permit is being applied by the City of Hollywood.



Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application

Attachment B

Location of Salinity Barrier Injection Wells and Monitoring Wells



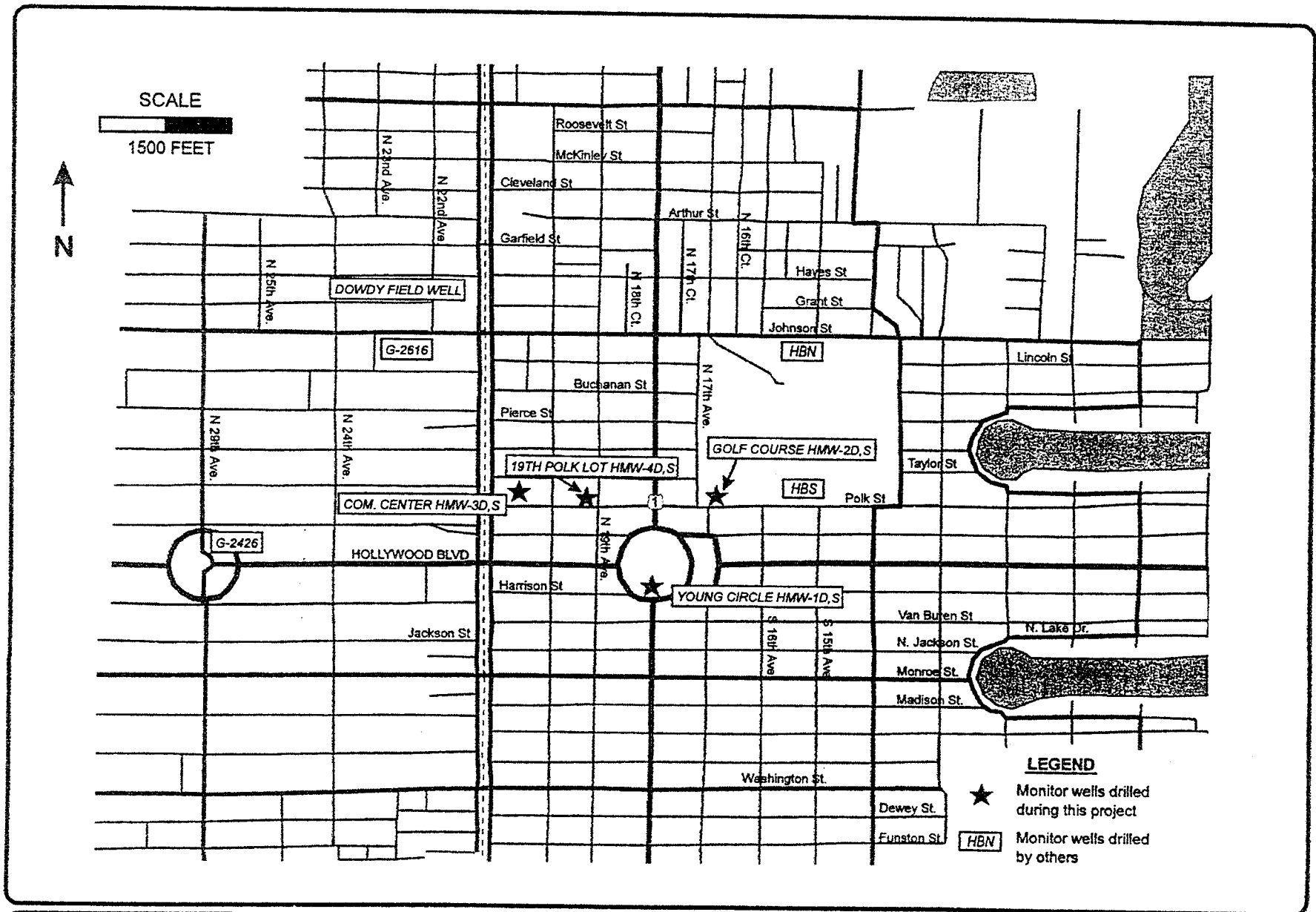
BROWARD COUNTY



Pr. Name: City of Hollywood Salinity Barrier
 Pr. No. FH5-119
 DWG No. GSL-1
 DWG Date: 10/13/97



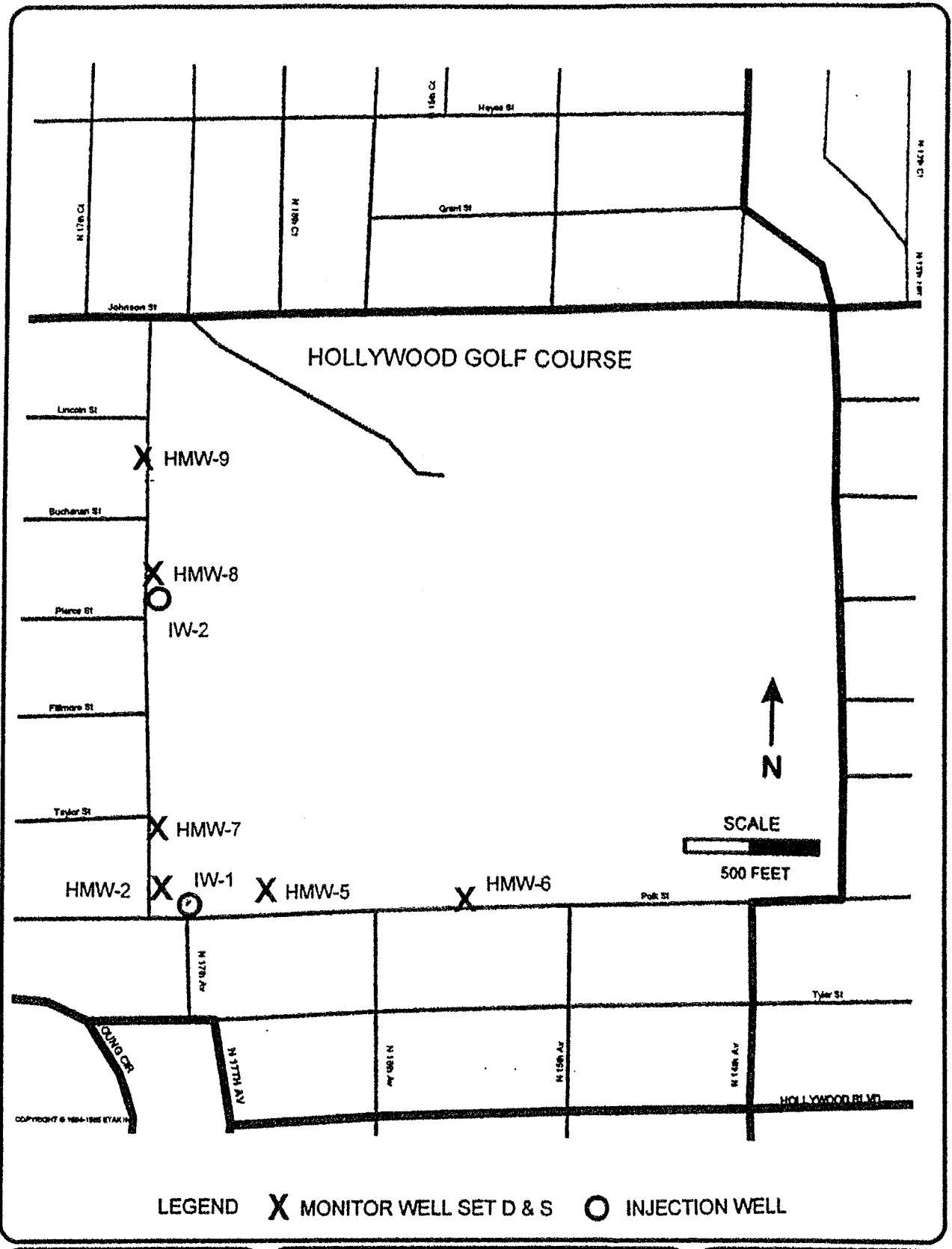
FIGURE 1 - 1. STUDY AREA



Pr.Name: Hollywood Salinity Barrier Dwn.By: EPS
 Pr.No. FH5-119 DWG No. MAP.CDR Date: 8/7/98 Rev.No.



FIGURE 2-1. LOCATIONS OF FIRST PHASE MONITOR WELLS AND NEARBY EXISTING MONITOR WELLS



Pr. Name: Salinity Barrier Feasibility Study
 Pr. No. FH5-119 DWG No. Date: 7/30/98



FIGURE 2 - 2. LOCATIONS OF SECOND PHASE MONITOR AND INJECTION WELLS AT THE HOLLYWOOD GOLF COURSE



**Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application**

Attachment C

Record Drawing of Salinity Barrier Injection Wells

Note: Per Hazen and Sawyer, the consultant for the construction of the two Salinity Barrier Injection Wells, Missimer International Inc., the Hydrogeologist recorded the log of the wells, is not in business any more. Therefore, the original signed/ sealed front page of the drilling memorandum is included with the record drawings.

**HOLLYWOOD COASTAL SALINITY
BARRIER PILOT PROJECT
SECOND PHASE DRILLING
INTERIM TECHNICAL MEMORANDUM**

prepared for

City of Hollywood
1715 N. 21st Avenue
Hollywood, FL 33022

prepared by

Hazen and Sawyer
4000 Hollywood Blvd., 7th Floor, N. Tower
Hollywood, FL 33021

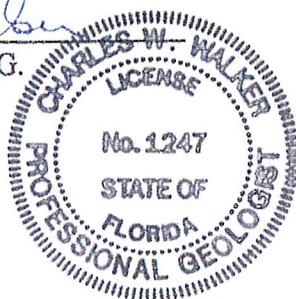
and

Missimer International, Inc.
8140 College Parkway, Suite 202
Fort Myers, FL 33919

August 1998

Charles W. Walker

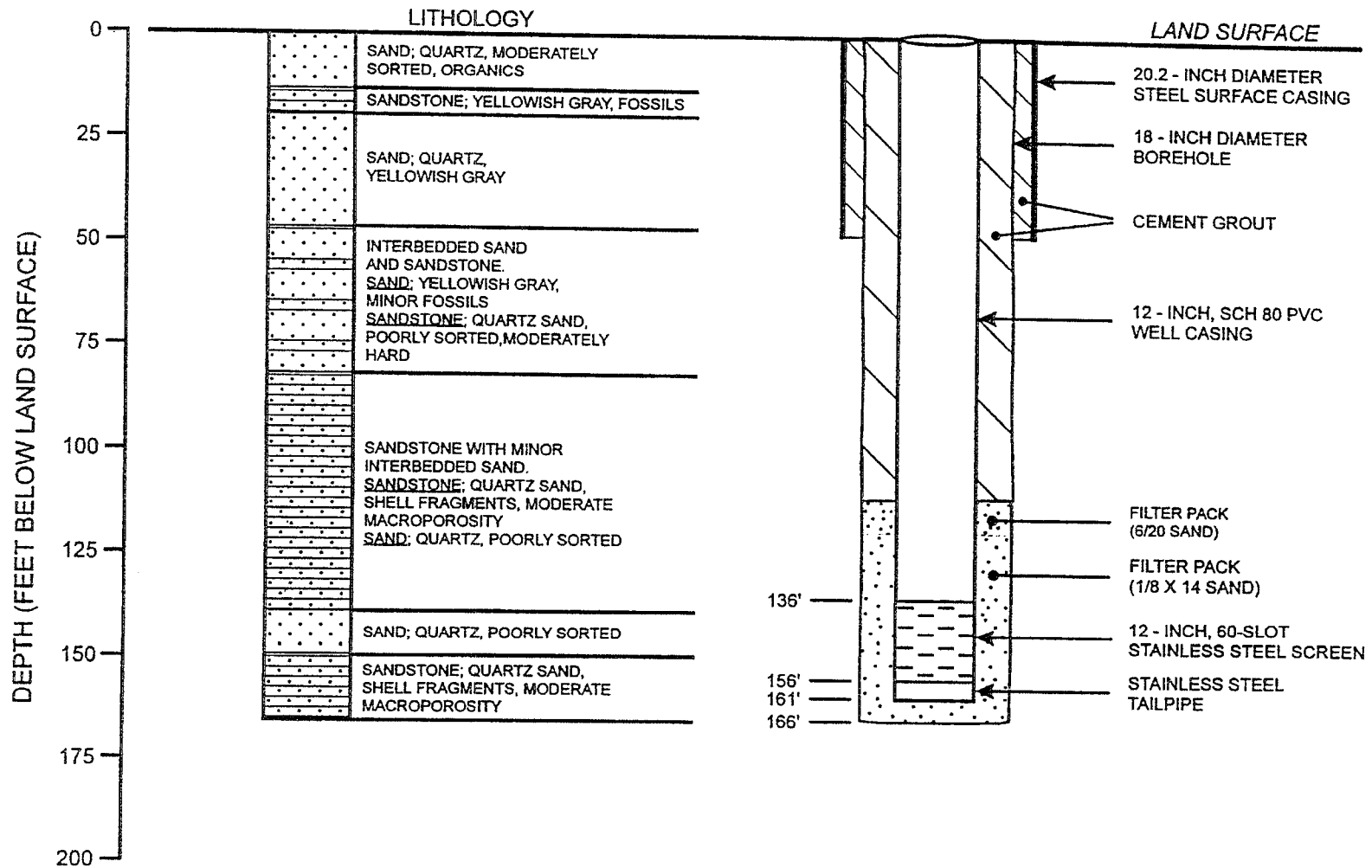
Charles W. Walker, Ph.D., P.G.
Senior Hydrogeologist
Professional Geologist #1247



FH5-119.RP2

Albert Muniz
Albert Muniz, P.E. 8/25/98
Vice President, Project Manager
Professional Engineer #35587

HOLLYWOOD SALINITY BARRIER PROJECT INJECTION WELL NO. 1

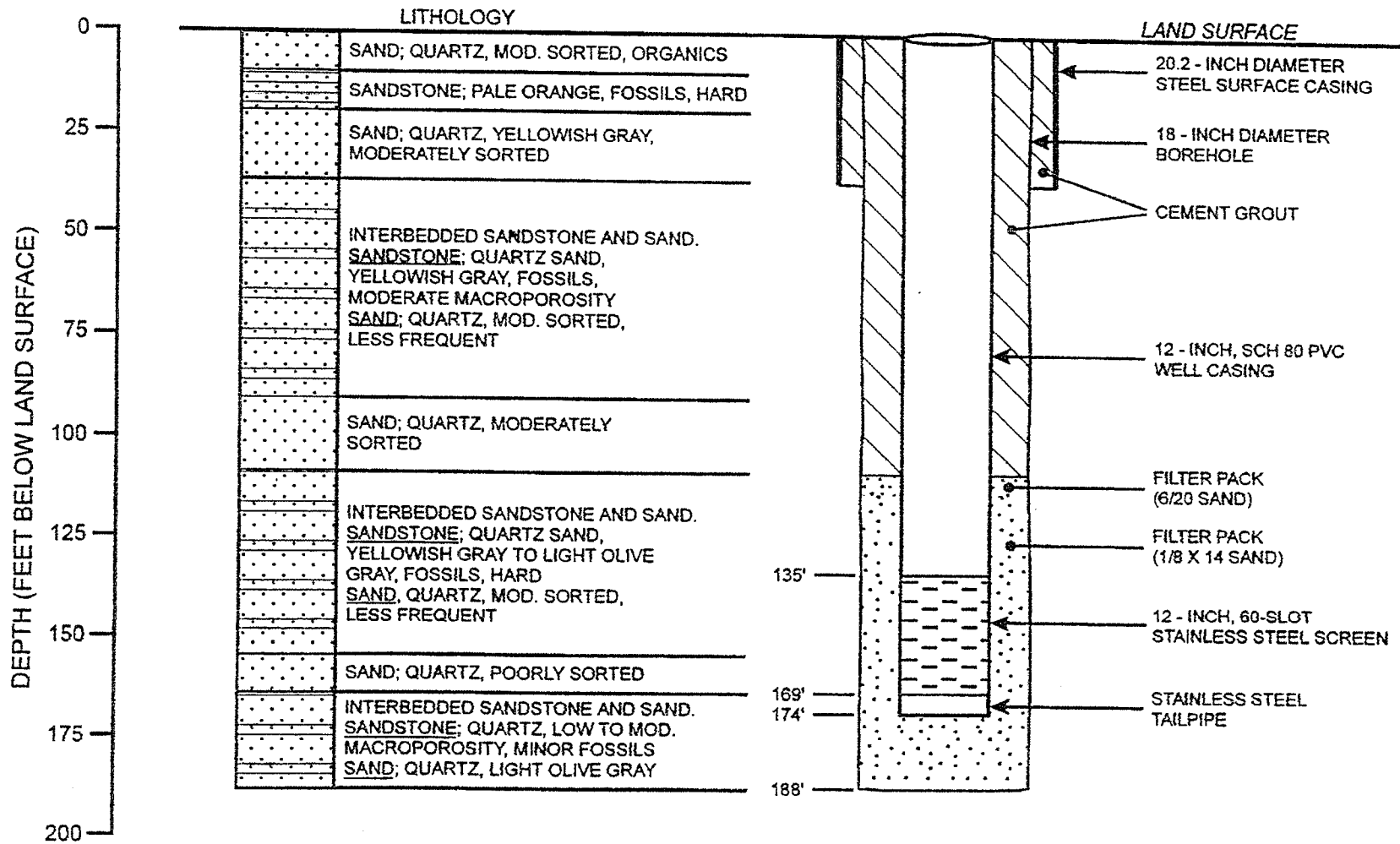


Pr.Name: City of Hollywood-Salinity Barrier Dwn.By: EPS
 Pr.No. FH5-119 DWG No. IW-1.CDR Date: 6/29/98 Rev.No.

Groundwater
and
Environmental Services

FIGURE 3-4. INJECTION WELL NUMBER 1, GEOLOGY AND WELL CONSTRUCTION

HOLLYWOOD SALINITY BARRIER PROJECT INJECTION WELL NO. 2



Pr. Name: City of Hollywood-Salinity Barrier Dwn. By: EPS

Pr. No. FH5-119 DWG No. IW-1.CDR Date: 6/30/98

Rev. No.

Groundwater
and
Environmental Services

FIGURE 3-5. INJECTION WELL NUMBER 2, GEOLOGY AND WELL CONSTRUCTION.



Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application

Attachment D

Salinity Barrier Injection Well Plugging and Abandonment Plan

PLUGGING AND ABANDONMENT PLAN FOR EXISTING SALINITY BARRIER INJECTION WELLS

1.1 Background

There are two salinity barrier injection wells and ten monitoring wells installed in 1990s at Hollywood Beach Golf Course. The two Class V, Group 2 injection wells were tested with potable water taken from the City's distribution system in 2000. Presently the City of Hollywood does not have specific plan to use these two salinity barrier wells for reuse water injection. However, the City may need to use these two wells for hydrogeological data collection, in case a recharge to Biscayne aquifer needs to be analyzed as part of the ongoing Ocean Outfall Rule Change Compliance Plan.

According to Florida Administrative Code (FAC) Chapter 62-528, a plan for plugging and abandonment (P&A) of a injection well needs to be submitted as part of permit application in case that the injection well has to be abandoned. As part of year 2012 no-flow operation permit renew application, The P&A Plan is developed.

The P&A program requires the services of a qualified well drilling contractor mixing and pumping drilling fluid to suppress flow and providing some form of blow-out prevention equipment, emplacing crushed limestone and pumping neat cement.

1.2 P&A Plan for Salinity Barrier Injection Wells No.1 and No.2

When the salinity barrier injection well is determined to be a threat to the waters of the state, the plugging and abandonment will be implemented by the City of Hollywood. The objective of the P&A Plan is to effectively plug the borehole and well casings. The following procedures would be followed:

- A P&A permit application with detailed P&A procedures will be filed and approved with FDEP.
- Well head blind flange assembly will be removed.
- The open hole will be filled with crushed limestone to a depth about 15 feet below the bottom of the inner casing. The depth of this fill will be confirmed by "tagging" the top of the limestone with a wire line or work pipe.
- Place sand cap on crushed limestone.
- A mixture of neat cement will be pumped through cement pipe to cement the uppermost 10 feet open hole and the 6" casing to grade level.

Cost estimate of the plugging and abandonment of each injection well is listed in Table 1 and Table 2.

1.3 P&A Plan for Monitoring Wells

In the event that the injection wells are abandoned, the ten (10) associated monitoring wells, including HMW-5D, HMW-5S, HMW-6D, HMW-6S, HMW-7D, HMW-7S, HMW-8D, HMW-8S, HMW-9D, HMW-9S, HMW-10D and HMW-10S, might be plugged. FDEP may require sampling of the monitor zones for some period of time after the plugging and abandonment of the injection wells for post-closure monitoring. If required, the monitoring well will be plugged following procedures listed below:

- A P&A permit application with detailed P&A procedures will be filed and approved with FDEP.
- Well head blind flange assembly will be removed.
- The monitor well casing will be plugged by pumping neat cement to completely fill the open hole and tubing.

Presented in Table 3 is the cost estimate of the plugging and abandonment of the ten (10) monitoring wells.

1.4 Certification of Financial Responsibility Form

A recently updated Certification of Financial Responsibility form is also enclosed in Attachment E. According to FAC Chapter 62-528, the City will review the P&A cost on an annual basis. If the annual adjustment exceeds 10 percent in any one year, the City will resubmit an updated Certification of Financial Responsibility form to FDEP.

TABLE 1
CITY OF HOLLYWOOD
PLUGGING AND ABANDONMENT PLAN COST ESTIMATE
Salinity Barrier Injection Wells No. 1

M NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
	BONDS AND INSURANCE	1	LS	\$100	\$100
	MOBILIZATION INCLUDING TEST BEFORE P&A	1	LS	\$1,000	\$1,000
	PERMIT FEES	1	LS	\$750	\$750
	INSTALLATION OF GRAVEL IN OPEN HOLE (MATERIAL AND LABOR)	0.9	CF	\$50.00	\$44
	INSTALLATION OF CEMENT IN CASING (MATERIAL AND LABOR)	5	CF	\$300.00	\$1,448
	DEMOBILIZATION AND CLEANUP	1	LS	\$2,000	\$2,000
				SUBTOTAL	\$5,000
	CONTINGENCIES (20%)				\$1,000
	TOTAL CONSTRUCTION COST				\$6,000

TABLE 2
CITY OF HOLLYWOOD
PLUGGING AND ABANDONMENT PLAN COST ESTIMATE
Salinity Barrier Injection Wells No. 2

M NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
	BONDS AND INSURANCE	1	LS	\$100	\$100
	MOBILIZATION INCLUDING TEST BEFORE P&A	1	LS	\$1,000	\$1,000
	PERMIT FEES	1	LS	\$750	\$750
	INSTALLATION OF GRAVEL IN OPEN HOLE (MATERIAL AND LABOR)	1.5	CF	\$50.00	\$77
	INSTALLATION OF CEMENT IN CASING (MATERIAL AND LABOR)	5	CF	\$300.00	\$1,640
	DEMOBILIZATION AND CLEANUP	1	LS	\$2,000	\$2,000
				SUBTOTAL	\$6,000
	CONTINGENCIES (20%)				\$1,200
	TOTAL CONSTRUCTION COST				\$7,200

**TABLE 3
CITY OF HOLLYWOOD
PLUGGING AND ABANDONMENT PLAN COST ESTIMATE
MONITOR WELLS**

M NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
	BONDS AND INSURANCE	1	LS	\$200	\$200
	MOBILIZATION INCLUDING TEST BEFORE P&A	1	LS	\$2,000	\$2,000
	PERMIT FEES	1	LS	\$1,500	\$1,500
FIVE (5) SHALLOW MONITOR WELLS					
	INSTALLATION OF GRAVEL IN 2" DIAMETER OPEN HOLE (MATERIAL AND LABOR)	5	LS	\$50.00	\$250
	INSTALLATION OF CEMENT IN 2" DIAMETER FINAL CASING (MATERIAL AND LABOR)	5	LS	\$150.00	\$750
FIVE (5) DEEP MONITOR WELLS					
	INSTALLATION OF GRAVEL IN 2" DIAMETER OPEN HOLE (MATERIAL AND LABOR)	5	LS	\$50.00	\$250
	INSTALLATION OF CEMENT IN 2" DIAMETER FINAL CASING (MATERIAL AND LABOR)	5	LS	\$200.00	\$1,000
	DEMOBILIZATION AND CLEANUP	1	LS	\$4,000	\$4,000
SUBTOTAL					\$10,000
CONTINGENCIES (20%)					\$2,000
TOTAL CONSTRUCTION COST					\$12,000



Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application

Attachment E

Certification of Financial Responsibility

CERTIFICATION OF FINANCIAL RESPONSIBILITY

The City of Hollywood, Florida, hereby certifies that it has unconditionally obligated itself to have the financial resources necessary to close, plug, and abandon its Class V underground salinity barrier injection wells and related monitoring wells, as required by Chapter 62-528.435(9), Florida Administrative Code. It is further understood that the cost estimate to conduct plugging and abandonment, evaluated on August 1, 2012 shall be reviewed on an annual basis and this obligation shall incorporate accumulated inflation costs. An annual adjustment exceeding 10 percent in any one year shall require submission of an updated certification form.

List of Injection Wells Covered by This Agreement:
(for each injection well list the following information)

Facility Name: City of Hollywood Department of Public Utilities
Facility Address: 1715 N 21st Ave, Hollywood, Florida 33022
Mailing Address: Department of Public Utilities, 1621 N. 14th Ave,
Hollywood, Florida 33022

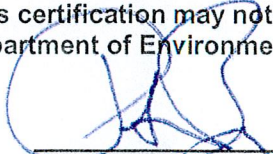
Facility Contact: Steve Joseph, P.E.,
Director, Department of Public Utilities
Phone Number: (954) 967- 4455

Latitude/Longitude of Injection Well No. 1: N26°00'49" / W 80°08'28"
Latitude/Longitude of Injection Well No. 2: N26°00'59" / W 80°08'29"
SIC Code:

Current Plugging and Abandonment Cost Estimate:

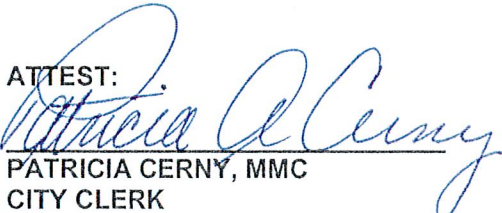
Injection Well No. 1	<u>\$6,000</u>
Injection Well No. 2	<u>\$7,200</u>
Monitor Well (Serving both injection Well No. 1 & No. 2):	<u>\$12,000</u>

It is hereby understood that the cancellation of this certification may not take place without prior written consent of the Secretary of the Florida Department of Environmental Protection.




PETER BOBER, MAYOR

ATTEST:



PATRICIA CERNY, MMC
CITY CLERK

Approved as to form and legality
for the use and reliance of the City of
Hollywood, Florida only.



JEFFREY SHEFFEL, CITY ATTORNEY



Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application

Attachment F

Deed of Hollywood Beach Golf Course

81-186135

Hollywood Golf Course
Coach

Media

155

WARRANTY DEED
"A" FORM
F. T. 819 07

RANCO FORM 48

This Indenture,

(Wherever used herein the terms "first party" and "second party" shall include singular and plural, heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Made this 30 day of June, A. D. 19 81
BETWEEN BEN TOBIN, a single man,

of the County of Broward, in the State of Florida, party of the first part, and
CITY OF HOLLYWOOD, a municipal corporation organized and existing
under the laws of the State of Florida
of the County of Broward, in the State of Florida, whose post office address is
2600 Hollywood Boulevard, Hollywood, Florida 33020

party of the second part,

Witnesseth, That the said party of the first part, for and in consideration of the sum of
TEN AND NO/100 (\$10.00) Dollars,
to him in hand paid by the said party of the second part, the receipt whereof is hereby acknowl-
edged, has granted, bargained, and sold to the said party of the second part, its successors
and assigns forever, the following described land, situate, and being in the County of Broward
State of Florida, and more particularly described on Exhibit A
attached to this Warranty Deed, consisting of two pages, initialled
by the Grantor.

SUBJECT TO taxes and assessments for the year 1981 and subsequent
years, and conditions, limitations, restrictions, reservations,
agreements and easements of record; provided such matters of record
do not prohibit the use of the property as a golf course and country
club.

The above property is not the homestead of the grantor nor does it
adjoin his homestead, and, in fact, Ben Tobin resides at 1101 Hillcrest
Drive, Hollywood, Florida 33021.

N. B. This conveyance is exempt from documentary stamp tax pursuant
to Rule 12B-4.14(15)(b) of the Florida Department of Revenue as such
conveyance to the Grantee is being made under threat of condemnation,
as evidenced by Resolutions R-80-93 and R-81-126 of the City of
Hollywood, a municipal corporation organized and existing under the
laws of the State of Florida, and which Resolutions are attached to
this Warranty Deed as Exhibits B and C respectively.

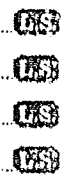
And the said party of the first part does hereby fully warrant the title to said land, and will defend the
same against the lawful claims of all persons whatsoever.

In Witness Whereof, The said party of the first part has hereunto set his
hand and seal this day and year first above written.

Signed, sealed and delivered in the presence of:

[Signature]
Witness Seal

[Signature]
Ben Tobin, a single man



STATE OF FLORIDA,
COUNTY OF Broward

I HEREBY CERTIFY that on this day, before me, an
officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared
BEN TOBIN, a single man,

to me known to be the person described in and who executed the foregoing instrument and he acknowledged
before me that he executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 30 day of
June A. D. 19 81.

My Commission Expires:

[Signature]
Notary Public

THIS INSTRUMENT WAS FORWARDED BY
This instrument prepared by Attorney at Law
Roxana, Babon, Brennan, Condit
Address: Sanibel & Manatee, P. A.
P.O. Box 630
Hollywood, Florida 33020

NOTARY PUBLIC STATE OF FLORIDA AT LARGE
MY COMMISSION EXPIRES NOV. 24 1981
RECORDED THRU CENTRAL FTS. EXHIBIT/118

JUN 30 11 23 AM '81

REF 9864 PAGE 874

81-186135
10/27/81
10/27/81

PARCEL 1

Beginning at the half section point on the North boundary line of Section 15, Township 51 South, Range 42 East, and running southerly upon and along North-South half section line of said Section 15, 25 feet; thence, running in an easterly direction and parallel to the said North-South half section line of said Section 15, a distance of 547.6 feet to the point of the beginning; thence, running in an easterly direction upon and along a line 25 feet south of the said North boundary line of said Section 15, 2050 feet, more or less, to a point on the East boundary line of said Section 15, said point being 25 feet South of the Northeast corner of said Section 15; thence, running in an easterly direction upon and along a line 25 feet South of and parallel to the North boundary line of Section 14, Township 51 South, Range 42 East, 310 feet to a point; thence, running in a southerly direction upon and along a line parallel to the said West boundary line of said Section 14, 1951.1 feet to a point and thence running in a westerly direction 2370.3 feet to a point, said point being 551 feet East of the North-South half Section line of said Section 15 and 1989.9 feet South of the North boundary line of said Section 15; thence, running in a northerly direction 1264.9 feet to the point of beginning; all above described property containing 106.44 acres, more or less, and being in the NE¹/₄ of said Section 15, and in the W¹/₂ of the W¹/₂ of the NE¹/₄ of Section 14, Township 51 South, Range 42 East, said lands situate, lying and being in Broward County, Florida.

PARCEL 2

Commencing at the southwest corner of Block 95, Township of Hollywood, thence, run east along the South line of Block 95 a distance of 1115 feet to a point of beginning; thence, run north parallel with the west line of said Block 95 a distance of four hundred feet; thence, run east parallel with the south line of said Block 95 a distance of four hundred feet; thence, run south parallel with the west line of said Block 95 a distance of four hundred feet; thence, run west parallel with the south line of said Block 95 a distance of four hundred feet to the point of beginning.

EXHIBIT A

attached to that certain Warranty Deed dated June 20, 1981 from Ben Tobin, a single man, to City of Hollywood



9664 875

1933

A.

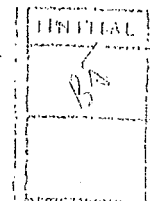
The following described portions of Block 95 of the subdivision of HOLLYWOOD as recorded in Plat Book 1, page 21, of the Public Records of Broward County, Florida: The west 20 feet and the south 20 feet of the east 400 feet of the west 450 feet of the south 400 feet; said lands situate, lying and being in Broward County, Florida.

B.

The following described portions of Block 95 of the subdivision of HOLLYWOOD, as recorded in Plat Book 1, page 21, of the Public Records of Broward County, Florida: The North 55 feet; the West 70 feet, less the East 20 feet of the South 400 feet thereof; and the South 20 feet, less the West 450 feet thereof.

AND

The North 20 feet, the East 20 feet, and the South 20 feet of the Tract designated "GOLF COURSE" on the plat of the subdivision of HOLLYWOOD LAKES SECTION as recorded in Plat Book 1, page 32, of the Public Records of Broward County, Florida.



9664 REC 876

I certify this to be a true and correct copy
of the record in my office.

WITNESSETH my hand and official seal of
the City of Hollywood, Florida, this the

9 day of April 1981

Betty W. Perry
Clerk

RESOLUTION NO. 4-6-81

A RESOLUTION OF THE CITY COMMISSION OF THE CITY
OF HOLLYWOOD, FLORIDA, FINDING AND DETERMINING
THAT CERTAIN PROPERTY IS NEEDED FOR PUBLIC RECRE-
ATION PURPOSES AND AUTHORIZING AND DIRECTING THE
CONSERVATION OF THE PROPERTY

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF
HOLLYWOOD, FLORIDA:

That the following described land is found and deter-
mined to be needed for public recreation purposes; and City
officials are authorized and directed to acquire this land on
behalf of the City through eminent domain proceedings:

Block 95, less the North 55 feet, less the
West 70 feet, and less the South 20 feet
thereof, "TOWN OF HOLLYWOOD", as recorded
in Plat Book 1, page 23 of the Public Records
of Broward County, Florida.

and

That parcel of land called "SOLF COURSE", shown
on the Plat of "HOLLYWOOD LAKES SECTION", as
recorded in Plat Book 1, page 52, of the Public
Records of Broward County, Florida, less the
South 20 feet, less the East 20 feet and less
that portion lying within 55 feet of the North
line of Section 16, Township 51 South, Range
42 East.

102 ± Acres

PASSED AND ADOPTED this 4 day of June

1980.

William A. Keating
MAYOR

ATTEST:

Betty W. Perry
CITY CLERK

EXHIBIT B

attached to that certain Warranty Deed
dated June 30, 1981 from Ben Tobin, a
single man, to City of Hollywood.

6-4-80
5-0

REF 9664 PAGE 877

I certify this to be a true and correct copy of the record in my office.
WITNESSETH my hand and official seal of the City of Hollywood, Florida, this 27th day of May, 1981.
Betty L. Desimone City Clerk

RESOLUTION NO. R-81-126 27 day of May, 1981

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA, AUTHORIZING THE APPROPRIATE CITY OFFICIALS TO EXECUTE THE ATTACHED PURCHASE AND SALE AGREEMENT BETWEEN THE CITY OF HOLLYWOOD AND BEN TOBIN FOR THE PURCHASE OF THE HOLLYWOOD GOLF AND COUNTRY CLUB.

WHEREAS, the City of Hollywood adopted Resolution No. R-80-93, which declared the necessity to acquire the Hollywood Golf and Country Club for public open space and recreational purposes; and

WHEREAS, said Resolution No. R-80-93 authorized the appropriate City officials to institute eminent domain proceedings to acquire the Hollywood Golf and Country Club; and

WHEREAS, Ben Tobin, as the owner of the Hollywood Golf and Country Club, desires to sell said golf course in accordance with the terms and conditions of the agreement attached hereto; and

WHEREAS, the City of Hollywood, Florida, agrees to the terms and conditions set forth in said agreement;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA:

That the appropriate City officials are hereby authorized to execute the attached Purchase and Sale Agreement for the acquisition of the Hollywood Golf and Country Club, in accordance with the terms and conditions of the contract attached hereto and made a part hereof by specific reference.

PASSED AND ADOPTED this 20 day of May, 1981.

Paul W. Malone
VICE-MAYOR

ATTEST:

Betty L. Desimone
CITY CLERK

RECORDED IN THE OFFICIAL RECORDS BOOK OF BROWARD COUNTY, FLORIDA
GRAHAM W. WATT
COUNTY ADMINISTRATOR

EXHIBIT C

5/14/81-APG:cec

attached to that certain Warranty Deed dated June 30, 1981 from Ben Tobin, a single man, to City of Hollywood

REF 9664 PAGE 878

81-18613F

1302

QUIT-CLAIM DEED

RAMCO FORM 8

This Quit-Claim Deed, Executed this 30 day of June, A. D. 1981, by BEN TOBIN, a single man,

first party, to CITY OF HOLLYWOOD, a municipal corporation organized and existing under the laws of the State of Florida,

whose postoffice address is 2600 Hollywood Boulevard, Hollywood, Florida 33020

second party.

(Wherever used herein the terms "first party" and "second party" shall include singular and plural, heirs, legal representatives, and solvent of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth, That the said first party, for and in consideration of the sum of \$ 10.00 in hand paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quit-claim unto the said second party forever, all the right, title, interest, claim and demand which the said first party has in and to the following described lot, piece or parcel of land, situate, lying and being in the County of Broward State of Florida, and more particularly described on Exhibit A attached to this Quit Claim Deed, initialed by the Grantor.

The above property is not the homestead of the grantor nor does it adjoin his homestead, and, in fact, Ben Tobin resides at 1101 Hillcrest Drive, Hollywood, Fla. 33021.

N. B. This conveyance is exempt from documentary stamp tax pursuant to Rule 12B-4.14(15)(b) of the Florida Department of Revenue as such conveyance to the Grantee is being made under threat of condemnation as evidenced by Resolutions R-80-93 and R-81-126 of the City of Hollywood, a municipal corporation organized and existing under the laws of the State of Florida, and which Resolutions are attached to this Quit Claim Deed as Exhibits B and C respectively.

JUN 30 11 23 AM '81

To Have and to Hold the same together with all and singular the appurtenances thereunto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of the said first party, either in law or equity, to the only proper use, benefit and behoof of the said second party forever.

In Witness Whereof, The said first party has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in presence of:

[Handwritten signatures of witnesses]

Ben Tobin, a single man

STATE OF FLORIDA, COUNTY OF Broward

I HEREBY CERTIFY that on this day, before me, an

officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared

BEN TOBIN, a single man,

to me known to be the person described in and who executed the foregoing instrument and he acknowledged before me that he executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 30 day of June A. D. 1981.

My Commission Expires:

[Signature of Notary Public]

Notary Public

NOTARY PUBLIC, STATE OF FLORIDA AT LARGE MY COMMISSION EXPIRES NOV. 28 1981 SIGNED THIS 30th DAY OF JUNE 1981

THIS INSTRUMENT MAY BE RECORDED BY JOHN P. KYLE, Notary Public, County of Law, 10000 International Parkway, Jacksonville, Florida 32216. A.L. Schlichter, A.L. Not. P.A. P.O. Box 599 Palm Beach, Florida 33480

OK:YE 06767

RE 9064 REC 879

Beginning at the half section point on the North boundary line of Section 15, Township 51 South, Range 42 East, and running Southerly upon and along North-South half Section line of said Section 15, 25 feet; thence, running in an Easterly direction and parallel to the said North Section line of said Section 15 at a distance 25 feet South of it 547.6 feet to the point of the beginning; thence; running in an Easterly direction upon and along a line 25 feet South of the said North boundary line of said Section 15, 2053 feet, more or less, to a point on the East boundary line of said Section 15, said point being 25 feet South of the Northeast corner of said Section 15; thence, running in an Easterly direction upon and along a line 25 feet South of and parallel to the North boundary line of Section 14, Township 51 South, Range 42 East, 310 feet to a point; thence, running in a Southerly direction upon and along a line parallel to the said West boundary line of said Section 14, 1951.1 feet to a point and thence running in a Westerly direction 2370.3 feet to a point, said point being 551 feet East of the North-South half Section line of said Section 15 and 1989.9 feet South of the North boundary line of said Section 15; thence, running in a Northerly direction 1954.9 feet to the point of beginning, and being in the NE $\frac{1}{4}$ of said Section 15, and in the W $\frac{1}{2}$ of the W $\frac{1}{2}$ of the NW $\frac{1}{4}$ of Section 14,



Township 51 South, Range 42 East, said lands situate, lying and being in Broward County, Florida.

Excepting from the foregoing the following described parcels of land :

- a. The following described portions of Block 95 of the subdivision of HOLLYWOOD as recorded in Plat Book 1, at Page 21 of the Public Records of Broward County, Florida; The west 20 feet and the south 20 feet of the east 400 feet of the west 450 feet of the south 400 feet; said lands situate, lying and being in Broward County, Florida.
- b. The following described portions of Block 95 of the subdivision of HOLLYWOOD, as recorded in Plat Book 1, at Page 21 of the Public Records of Broward County, Florida; The North 55 feet of the West 70 feet, less the East 20 feet of the South 400 feet thereof; and the South 20 feet less the West 450 feet thereof.
- c. The North 30 feet, the East 20 feet, and the South 20 feet of the Tract designated "GOLF COURSE" on the plat of the subdivision of HOLLYWOOD LAKES SECTION as recorded in Plat Book 1, at Page 32 of the Public Records of Broward County, Florida.

EXHIBIT A

attached to that certain Quit Claim Deed dated June 30, 1981 from Ben Tobin, a single man, to City of Hollywood.

INITIAL



SEE 9064 PAGE 880

CERTIFICATION

I certify this to be a true and correct copy of the record in my office.

WITNESSETH my hand and official seal of the City of Hollywood, Florida, this the

RESOLUTION NO. 1-80-9 9 day of June 1981
Betty R. DeYoung City Clerk

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA, FINDING AND DETERMINING THAT CERTAIN PROPERTY IS NEEDED FOR PUBLIC RECREATION PURPOSES AND AUTHORIZING AND DIRECTING THE CONDEMNATION OF THE PROPERTY

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA:

That the following described land is found and determined to be needed for public recreation purposes; and City officials are authorized and directed to acquire this land on behalf of the City through eminent domain proceedings:

Block 95, less the North 55 feet, less the West 70 feet, and less the South 20 feet thereof, "TOWN OF HOLLYWOOD", as recorded in Plat Book 1, page 21 of the Public Records of Broward County, Florida.

and

That parcel of land called "GOLF COURSE", shown on the Plat of "HOLLYWOOD LAKES SECTION", as recorded in Plat Book 1, page 52, of the Public Records of Broward County, Florida, less the South 20 feet, less the East 20 feet and less that portion lying within 55 feet of the North line of Section 14, Township 51 South, Range 42 East.

102 ± Acres

PASSED AND ADOPTED this 4 day of June, 1980.

W. D. Keating
MAYOR

ATTEST:

Betty R. DeYoung
CITY CLERK

6-4-80
5-0
SEE 9684 ser 881

EXHIBIT B

attached to that certain Quit Claim Deed dated June 2nd, 1981 from Ben Tobin, a single man, to City of Hollywood

CERTIFICATION

I certify this to be a true and correct copy of the record in my office.

WITNESSETH my hand and official seal of the City of Hollywood, Florida, this 27th day of May, 1981.

RESOLUTION NO. R-81-126 27 day of May 1981

Betty L. Desautels City Clerk

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA, AUTHORIZING THE APPROPRIATE CITY OFFICIALS TO EXECUTE THE ATTACHED PURCHASE AND SALE AGREEMENT BETWEEN THE CITY OF HOLLYWOOD AND BEN TOBIN FOR THE PURCHASE OF THE HOLLYWOOD GOLF AND COUNTRY CLUB.

WHEREAS, the City of Hollywood adopted Resolution No. R-80-93, which declared the necessity to acquire the Hollywood Golf and Country Club for public open space and recreational purposes; and

WHEREAS, said Resolution No. R-80-93 authorized the appropriate City officials to institute eminent domain proceedings to acquire the Hollywood Golf and Country Club; and

WHEREAS, Ben Tobin, as the owner of the Hollywood Golf and Country Club, desires to sell said golf course in accordance with the terms and conditions of the agreement attached hereto; and

WHEREAS, the City of Hollywood, Florida, agrees to the terms and conditions set forth in said agreement;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF HOLLYWOOD, FLORIDA:

That the appropriate City officials are hereby authorized to execute the attached Purchase and Sale Agreement for the acquisition of the Hollywood Golf and Country Club, in accordance with the terms and conditions of the contract attached hereto and made a part hereof by specific reference.

PASSED AND ADOPTED this 20 day of May, 1981.

Anthony Salame
VICE-MAYOR

ATTEST:

Betty L. Desautels
CITY CLERK

FILED IN THE OFFICIAL RECORDS BOOK OF BROWARD COUNTY, FLORIDA
CITY CLERK W. W. WATTE
CITY ADMINISTRATION

EXHIBIT C

5/14/81-ADe6:cec

attached to that certain Quit Claim Deed dated June 30, 1981 from Ben Tobin, a single man, to City of Hollywood.

THE:ra

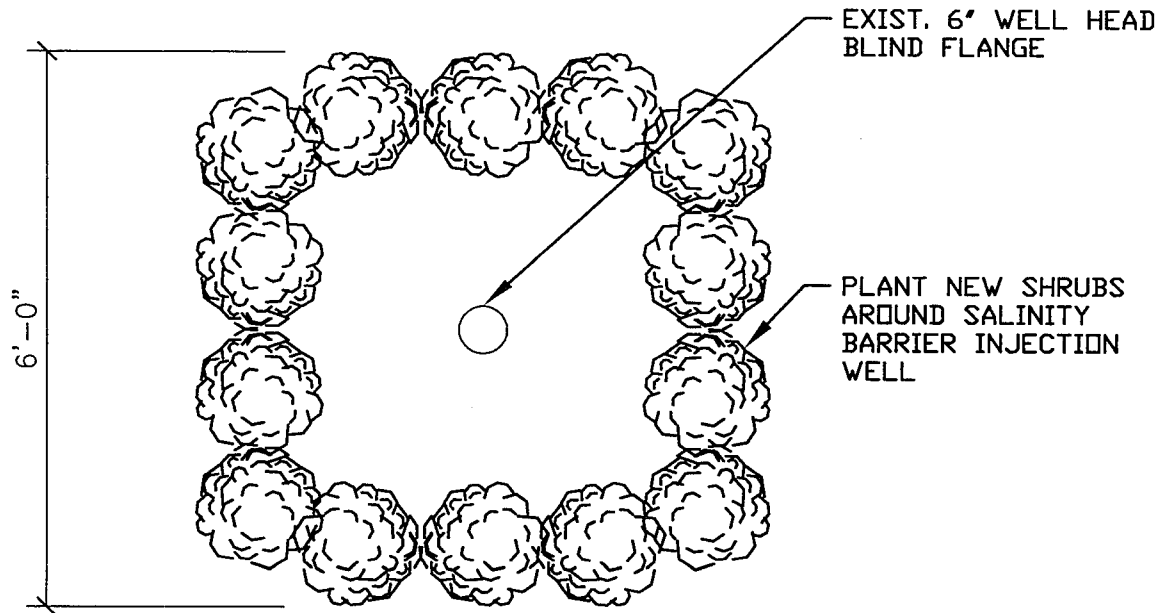
SEE 9664 PAGE 882



Department of Public Utilities
Salinity Barrier Injection Wells
Operation Repermitting Application

Attachment G

Proposed Protection to the Salinity Barrier Injection Wells



PROPOSED LANDSCAPE PROTECTION TO THE SALINITY BARRIER INJECTION WELLS

NO.	DATE	DESCRIPTION

REVISIONS

**ENGINEERING SUPPORT SERVICES
PUBLIC UTILITIES DEPARTMENT
CITY OF HOLLYWOOD FLORIDA**

DESIGNED	FC	DRAWN	JP	CHECKED	FC
CAD NAME	XXX	SCALE	N.T.S.		
PROJECT No.	XXX	DATE	XXX		
APPROVED BY					
ENGINEER OF RECORD		DATE			

**PROPOSED LANDSCAPE PROTECTION
TO THE SALINITY BARRIER INJECTION
WELLS**
FIGURE G-1

