

**Lee County Board of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20051775-UTL

1. Action Requested/Purpose:

Authorize the Chairwoman, on behalf of the Lee County Board of County Commissioners, to sign the Certificate of Financial Responsibility for *Fort Myers Beach Wastewater Treatment Plant Class I Municipal Deep Injection Well and Dual Zone Monitoring Well*.

2. What Action Accomplishes:

Enables Lee County Utilities to comply with the FDEP permitting to demonstrate and maintain financial responsibility and resources necessary to enable the permittee to close, plug, and abandon the underground injection operations, if necessary. The amount of funds that is needed to be available, should this action become necessary, is \$296,861.

3. Management Recommendation:

Approval.

4. Departmental Category: 10 -

CIO I

5. Meeting Date:

01-10-2006

6. Agenda:

- Consent**
- Administrative**
- Appeals**
- Public**
- Walk-On**

7. Requirement/Purpose (specify)

- Statute**
- Ordinance**
- Admin. Code**
- Other** **Approval**

8. Request Initiated:

Commissioner _____
Department Public Works
Division Utilities
By: *[Signature]* 12-20
 for **Rick Diaz, P.E., Director**

9. Background:

As part of the permit renewal process for the Fort Myers Beach WWTP Deep Injection Well and Monitoring Well, the FDEP requires a Certification of Financial Responsibility to ensure that Lee County has the financial responsibility and resources to perform closure and plugging of the wells, should it be desired by the County or the FDEP.

If it becomes necessary to close, plug, and abandon the underground injection operation at the Fort Myers Beach WWTP, funding would be made available in Utilities Reserve for Contingencies Account: GC5890148730.509910

Attachments: Four (4) Duplicate Sets Consisting Of:

- ◆ Copy of Johnson Engineering Letter dated 12-9-05
- ◆ Certificate of Financial Responsibility (to be signed by Chairwoman)
 (w/attached confirmation letter to be signed by County Attorney)
- ◆ Cost Estimates for Plugging & Abandonment of DIW & Monitoring Well

10. Review for Scheduling

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager / P.W. Director
					Analyst	Risk	Grants	Mgr.	
<i>[Signature]</i> J. Lavender Date: <u>12-20-05</u>	N/A Date:	N/A Date:		S. Covert Date:	P.M. 12/21/05	12/23/05	12/21/05	12/21/05	<i>[Signature]</i> J. Lavender Date: <u>12-20-05</u>

11. Commission Action:

- Approved**
- Deferred**
- Denied**
- Other**

RECEIVED BY COUNTY ADMIN: *[Signature]*
 12/21/05
 11am
 COUNTY ADMIN FORWARDED TO: *[Signature]*
 12/22/05 10:45am

Rec. by CoAtty
 Date: 12/21/05
 Time: 10:05 AM
 Forwarded To: Co. Admin.
12/21 11am



December 09, 2005

Mr. Howard Wegis
Lee County Department of Public Works, Utilities
1500 Monroe Street
Post Office Box 398
Fort Myers, FL 33902-308

Re: Lee County Renewal Application of Permit No. 128633-002-UO,
Fort Myers Beach Wastewater Treatment Plant Class I Municipal
Deep Injection Well and Dual Zone Monitoring Well

Dear Howard:

As part of the repermitting process for the above and pursuant to Chapter 62-528.300(5), Florida Administrative code, Florida Department of Environmental Protection (FDEP) requires a Certificate of Demonstration of Lee County's financial responsibility to provide a plan and financial resources to perform closure and plugging of the subject permitted wells should it be desired by the County or required by the FDEP at some future point in time.

We reviewed the information and cost of previous closure and plugging plans approved for subject wells on file with FDEP from 1996 and adjusted these values to reflect current market pricing. Enclosed is the information from our findings. The Engineer estimate assumes all work is to be performed in accordance with applicable regulation of the FDEP, South Florida Water Management District and local Authorities.

From this estimate, financial responsibility must be re-demonstrated and reported to the Florida Department of Environmental Protection prior to repermitting operation.

Please feel free to give me a call at (239) 461-2429 with any questions.

Sincerely,

JOHNSON ENGINEERING, INC.

Lonnie V. Howard, P.E.

Certificate of Financial Responsibility
Cost Estimates for Plugging & Abandonment for
DIW and Monitoring Well

Enclosures:

cc: 20044857-04

DEC 10 2005

CERTIFICATION OF FINANCIAL RESPONSIBILITY

The County of Lee ^{*}, a unit of local government of the State of Florida, hereby certifies that it has unconditionally obligated itself to have the financial resources necessary to close, plug, and abandon its Class I underground injection well(s) and related monitoring wells, as required by Chapter 62-528, Florida Administrative Code. It is further understood that the cost estimate to conduct plugging and abandonment, established on December 8, 2005, 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: Fort Myers Beach Wastewater Treatment Plant

Facility Address: 17155 Pine Ridge Road, Fort Myers, FL 33931

Facility Contact: Ivan Velez, P.E.

Phone Number: (239) 479 8166

Latitude/Longitude of Injection Well: 26° 30' 30.0" / 81° 54' 30.0"

DEP/EPA Identification Number: FLS 128633

Current Plugging and Abandonment Cost Estimate: \$296,861

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

(Signature)

Tammara Hall

(Print Name)

Chairwoman
Board of Lee Co. Commissioners

(Title)

(Date)

APPROVED AS TO FORM:

Office of the County Attorney

*See attached letter of official confirmation

Bob Janes
District One

January 10, 2006

Douglas R. St. Cerny
District Two

Ray Judah
District Three

Tammy Hall
District Four

John E. Albion
District Five

Donald D. Stilwell
County Manager

David M. Owen
County Attorney

Diana M. Parker
County Hearing
Examiner

Mr. Richard Deuerling, PG III
Florida Department of Environmental Protection
Division of Water Resource Management
2600 Blair Stone Road
Tallahassee, FL 32399-2400

**RE: POLITICAL SUBDIVISION (LOCAL GOVERNMENT) GUARANTEE
OF FINANCIAL RESPONSIBILITY AS A CONDITION OF THE
ISSUANCE OF THE FORT MYERS BEACH WASTEWATER TREATMENT
FACILITY DEEP INJECTION WELL PERMIT**

Dear Mr. Deuerling:

Please accept this letter as official confirmation that Lee County as a political subdivision of the State of Florida (Section 7.36, F.S.), meets the definition of a "local governmental entity" as defined by Section 218.502, F.S., and is subject to Chapter 218, Part V, F.S., relating to "Financial Emergencies".

Please feel free to contact me if this office can provide you with any additional information concerning this matter.

Cordially,

DAVID M. OWEN
COUNTY ATTORNEY

By: Scott S. Coover, Esq.
Assistant County Attorney

SSC:sdg

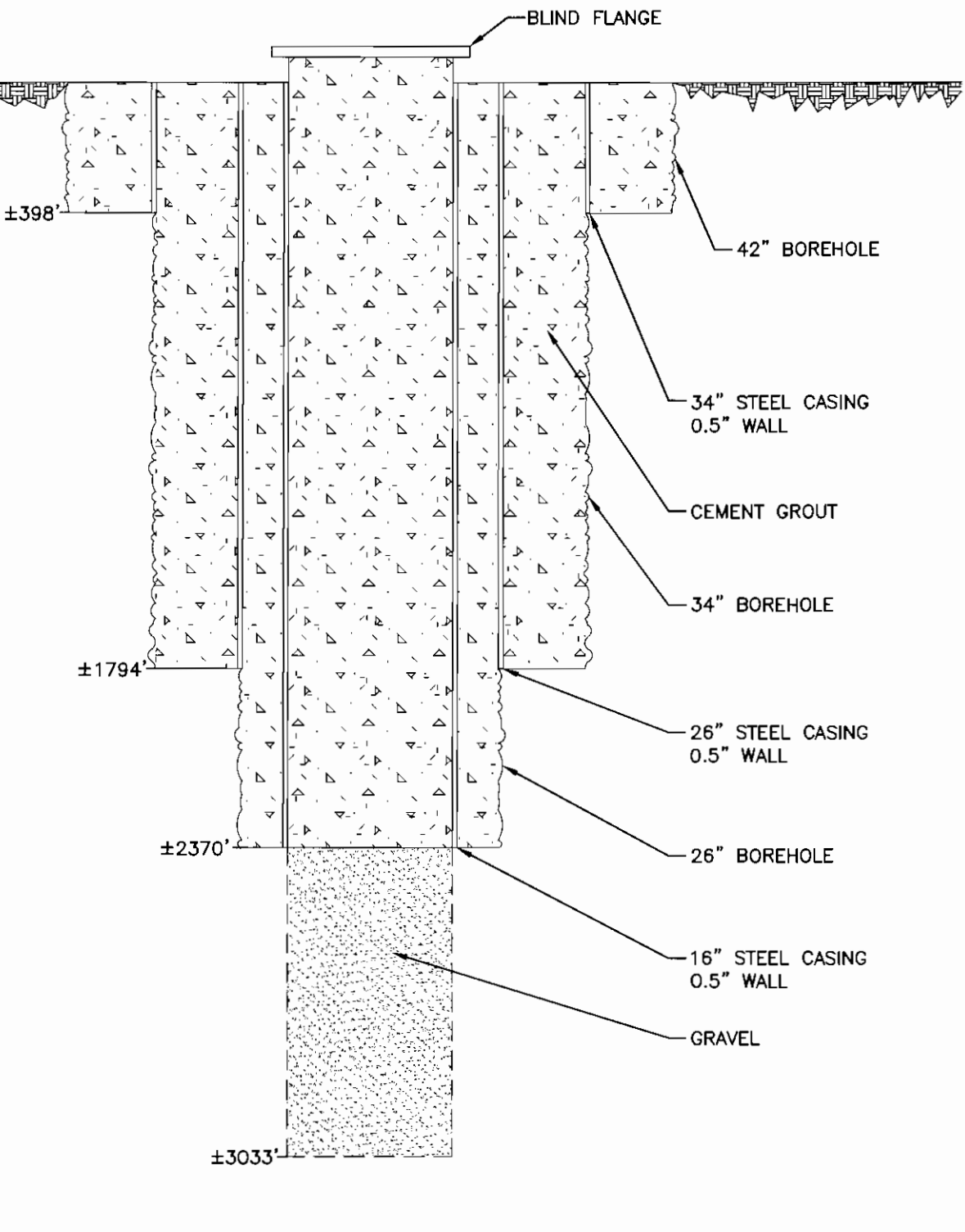
xc: James Lavender, Director, Public Works Administration
Rick Diaz, P.E., Director, Lee County Utilities
S. I. Velez, P.E., Deputy Director, Lee County Utilities
Howard Wegis, Staff Engineer, Lee County Utilities

**Lee County Utilities, Fort Myers Beach WWTP
Deep Injection Well Operation Permit Renewal
Plugging and Abandonment Cost Estimate**

Item	Description	Depth Below Pad		Interval	Estimated Quantity	Unit	2005 Enigneer's Estimate	
		From	To				Unit Price (\$)	Extended Amount (\$)
	Injection Well IW-1	From	To					
		ft	ft					
1	Initial Mobilization and final Demobilization				1	LS	\$25,000.00	\$25,000
2	Geophysical logging IW-1	0	3033	3033	1	LS	\$15,000.00	\$15,000
3	Emplace gravel in IW-1 injection zone	2370	3033	663	1500	CF	\$25.00	\$37,500
4	Cement IW-1 with neat cement from base of final casing to land surface	0	2370	2370	2900	CF	\$35.00	\$101,500
Subtotal								\$179,000
15% contingency								\$26,850
Total								\$205,850

DEPTH BELOW
PAD SURFACE

0'
500'
1,000'
1,500'
2,000'
2,500'
3,000'
3,500'



BLIND FLANGE

±398'

42" BOREHOLE

34" STEEL CASING
0.5" WALL

CEMENT GROUT

34" BOREHOLE

±1794'

26" STEEL CASING
0.5" WALL

26" BOREHOLE

±2370'

16" STEEL CASING
0.5" WALL

GRAVEL

±3033'

**JOHNSON
ENGINEERING**

2158 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

**Plugging and Abandonment of
Injection Well**

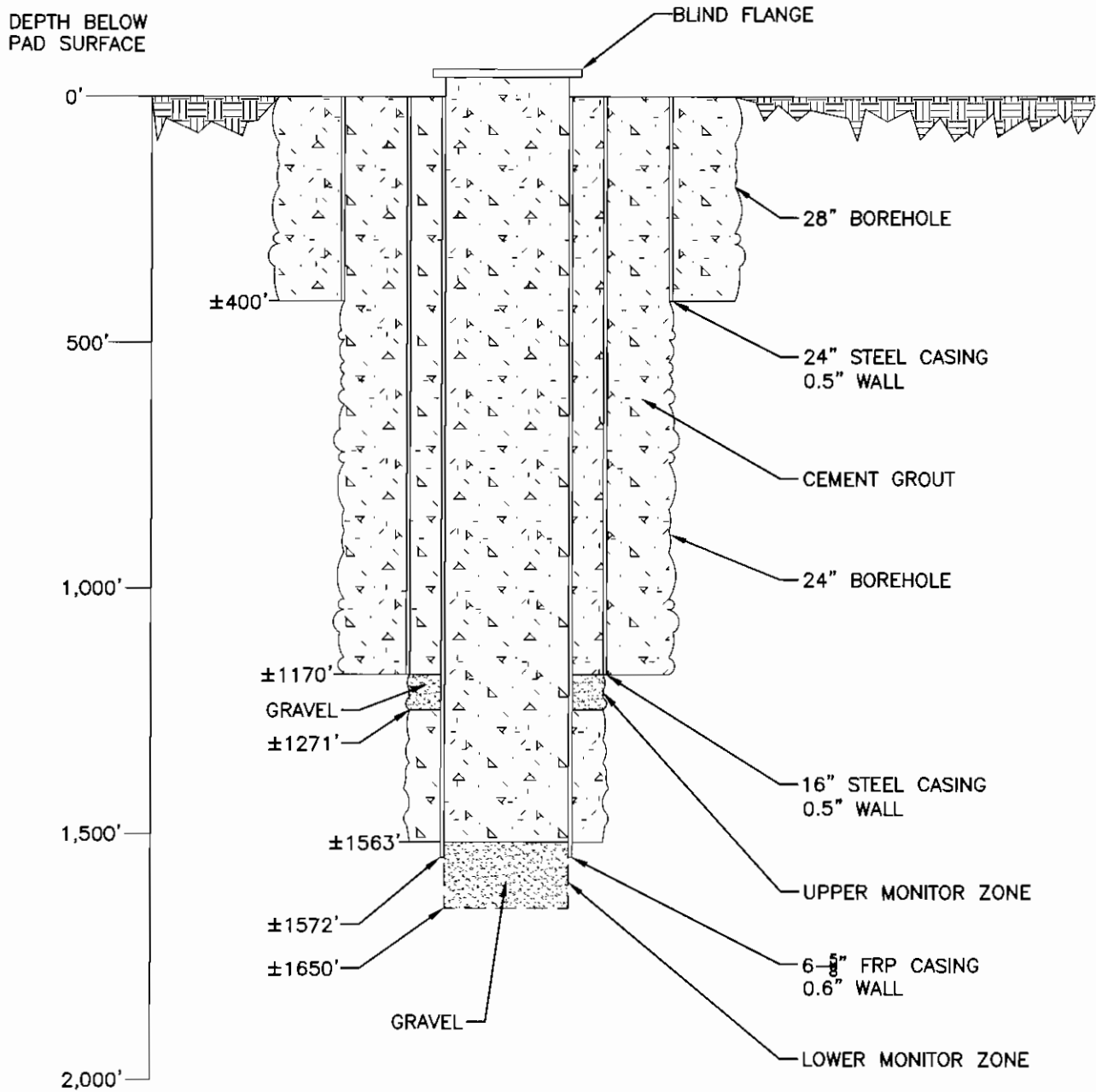
DATE	PROJECT NO.	FILE NO	SCALE	SHEET
Dec., 2005	20044857-04	B-46-24	N.T.S.	1 Of 1

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**Lee County Utilities, Fort Myers Beach WWTP
Dual-Zone Monitoring Well Operation Permit Renewal
Plugging and Abandonment Cost Estimate**

Item	Description	Depth Below Pad		Interval	Estimated Quantity	Unit	2005 Enginner's Estimate	
		From ft	To ft				Unit Price (\$)	Extended Amount (\$)
	Dual Zone Monitoring Well							
1	Initial Mobilization and final Demobilization				1	LS	\$15,000.00	\$15,000
2	Geophysical logging IW - 1	0	1650	1650	1	LS	\$10,000.00	\$10,000
3	Remove PVC tubing from annular space	0	1200	1200	1	LS	\$2,000.00	\$2,000
4	Emplace gravel in upper monitor zone	1170	1271	101	100	CF	\$25.00	\$2,500
5	Cement the annular zone with neat cement	0	1170	1170	1156	CF	\$35.00	\$40,460
6	Emplace gravel in lower monitor zone	1572	1650	78	13	CF	\$25.00	\$325
7	Cement DZMW - 1 with neat cement from base of final casing to land surface	0	1572	1572	253	CF	\$35.00	\$8,855
							Subtotal	\$79,140
							15% Contingency	\$11,871
							Total	\$91,011

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JOHNSON
ENGINEERING

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FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

**Plugging and Abandonment of
Dual - Zone Monitoring Well**

DATE	PROJECT NO.	FILE NO.	SCALE	SHEET
Dec., 2005	20044857-04	8-46-24	N.T.S.	1 Of 1