September 29th

2004

KEY LARGO WASTEWATER TREATMENT DISTRICT BOARD OF COMMISSIONERS MEETING

SPELCIAL CALL AGENDA
AMENDED

Wednesday, September 29, 2004 at 5:00 PM
Key Largo Civic Club, 209 Ocean Bay Drive
Key Largo, FL

Gary Bauman	~	Chairman
Jerry Wilkinson	~	Vice Chairman
Cris Beaty	~	Secretary
Charles Brooks	~	Commissioner
Andrew Tobin	~	Commissioner

Charles F. Fishburn	General Manager
Thomas Dillon	District Counsel
Carol Simpkins	Board Clerk

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision of the KLWTD Board, with respect to any matter considered at this meeting, such interested person will need a record of the proceedings, and for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons with disabilities requiring accommodations in order to participate in the meeting should contact the Board Clerk at 305-852-2477 at least 48 hours in advance to request accommodations.

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL

IV. APPROVAL OF AGENDA WITH ANY ADDITIONS OR DELETIONS

V. APPROVAL OF MINUTES **TAB 1**

1. September 15, 2004

VI. PUBLIC COMMENT

VII. ACTION ITEMS

2. Pending Payments List **TAB 2**

VIII. ENGINEERS REPORT

3. RFQ for Sexton Cove/Lake Surprise (Power Point Presentation)

THE SPECIAL CALL MEETING OF THE KEY LARGO WASTEWATER TREATMENT DISTRICT WILL NOW GO INTO AN ATTORNEY/CLIENT CLOSED SESSION.

IX. GENERAL MANAGER'S REPORT

4. KLTV Escalation Change Request **TAB 2**

5. KLP Contract **TAB 3**

6. Rate Study direction

X. COMMISSIONER'S COMMENTS

7. Inter-local Governmental Task Force – Chairman Gary Bauman

XIII. ADJOURNMENT

FUTURE ITEMS OF CONCERN

a) Water Quality Testing
b) Project request for FEMA deadline extension
c) CDBG Grants and/or funds for private connection
d) Procedures
e) Website Development
f) Elections at Large versus Seats
g) Agency Coordination
h) Inter-local Governmental Task Force

P.O. Box 491 Key Largo, FL 33037
Phone: 305-852-2477
Fax: 305-852-2477

Key Largo Wastewater Treatment District

Memo

To: KLWTD Board of Commissioners

From: Carol Simpkins, CMC

CC: Staff

Date: September 29, 2004

Re: Pending Payment List

Please see the attached Pending Payment list that has been added to the Amended Agenda as Tab 2.

KEY LARGO WASTEWATER TREATMENT DISTRICT

Agenda Request Form

Meeting Date: Sept, 29, 2004 Agenda Item No.

[ ]	PUBLIC HEARING	[ ]	RESOLUTION
[ ]	DISCUSSION	[ ]	BID/RFP AWARD
[X]	GENERAL APPROVAL OF ITEM	[ ]	CONSENT AGENDA
[ ]	Other:		

SUBJECT: Pending Payments List

RECOMMENDED MOTION/ACTION: Approval of payment list contingent upon adequate funds.

Approved by General Manager C. J. [illegible]

Date: 9-27-04

Originating Department: Finance	Costs: $5,448.37 Funding Source: Acct. #	**Attachments:** Payments list.
Department Review: [ ] District Counsel _____ [ ] General Manager ____ [ ] Finance _____	[ ] Engineering____ [ ] Clerk____	**Advertised:** Date: _____ Paper: _____ [X] Not Required
	All parties that have an interest in this agenda item must be notified of meeting date and time. The following box must be filled out to be on agenda.	Yes I have notified everyone_____ or Not applicable in this case_____: Please initial one.

Summary Explanation/Background: GSG Invoices for approval

Resulting Board Action:

☐ Approved ☐ Tabled ☐ Disapproved ☐ Recommendation Revised

Key Largo Wastewater Treatment District

Payments Pending 9/29/04

Prepared 9/27/04

Administration & Operations

GSG	August Copy & Postage	$343.32
GSG	August Time	$4,643.37

Key Largo Trailer Village

GSG	August Time	$213.75

Key Largo Park

GSG	August Time	$591.25

TOTAL IF ALL PAID $5,791.69

Approved for payment, contingent upon receipt of adequate funds:

Approved for payment

Gary Bauman, Chairman

Cris Beaty, Secretary

KEY LARGO WASTEWATER TREATMENT DISTRICT BOARD OF COMMISSIONERS MEETING

SPELCIAL CALL AGENDA

Wednesday, September 29, 2004 at 5:00 PM

Key Largo Civic Club, 209 Ocean Bay Drive

Key Largo, FL

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Jerry Wilkinson	~	Vice Chairman
Cris Beaty	~	Secretary
Charles Brooks	~	Commissioner
Andrew Tobin	~	Commissioner

Charles F. Fishburn	General Manager
Thomas Dillon	District Counsel
Carol Simpkins	Board Clerk

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VIII. GENERAL MANAGER'S REPORT

3. KLTV Escalation Change Request **TAB 2**

4. KLP Contract **TAB 3**

5. Rate Study direction

IX. COMMISSIONER'S ITEMS

6. Update on past addenda items:
a) Water Quality Testing
b) Project request for FEMA deadline extension
c) CDBG Grants and/or funds for private connection
d) Procedures
e) Website Development
f) Elections at Large versus Seats
g) Agency Coordination
h) Inter-local governmental Task Force

XIII. ADJOURNMENT

TAB 1

KEY LARGO WASTEWATER TREATMENT DISTRICT
Agenda Request Form

Meeting Date: Sept. 29, 2004 Agenda Item No. 1

[ ] PUBLIC HEARING [ ] RESOLUTION

[ ] DISCUSSION [ ] BID/RFP AWARD

[X] GENERAL APPROVAL OF ITEM [ ] CONSENT AGENDA

[ ] Other:

SUBJECT: Minutes of Sept. 15, 2004 meeting.

RECOMMENDED MOTION/ACTION: Approval of minutes with any needed addition, deletions, or corrections.

Approved by General Manager _____
Date: _____

Originating Department: Clerk	Costs: $0 Funding Source: Acct. #	**Attachments:** Minutes of 9.15.04
Department Review: [~~]District Counsel IO [ ]General Manager EF [ ] Finance _____	[ ] Engineering E/E [~~]Clerk ES	**Advertised:** Date: _____ Paper: _____ [x]Not Required
	All parties that have an interest in this agenda item must be notified of meeting date and time. The following box must be filled out to be on agenda.	Yes I have notified everyone_____ or Not applicable in this case ES : Please initial one.

Summary Explanation/Background:

Resulting Board Action:

DRAFT

MINUTES
Key Largo Wastewater Treatment District (KLWTD)
Board of Commisisoner's Meeting
September 15, 2004, 5:00 PM,
Key Largo Civic Club, 209 Ocean Bay Drive

The KLWTD Board of Commissioners met for a regular meeting on Sept 15, 2004 at 5:00 PM. Present were Chairman Gary Bauman, Commissioners Charles Brooks, Andrew Tobin, Jerry Wilkinson and Cris Beaty. Also present were General Manager Charles Fishburn, Board Clerk Carol Simpkins, District Counsel Thomas Dillon and all appropriate District staff.

Chairman Gary Bauman led the Pledge of Allegiance.

ADDITIONS/DELETIONS TO THE AGENDA.
General Manager Charles Fishburn requested that item 2 on the agenda be changed to Resolution No. 05-09-04 instead of Resolution No. 04-09-04.

Motion: **Commissioner Charles Brooks made a motion to approve the agenda as amended. The motion was seconded by Commissioner Jerry Wilkinson.**

Vote on motion:

Board Member	Yes	No	Other
Commissioner Andrew Tobin	X		
Commissioner Charles Brooks	X		
Commissioner Jerry Wilkinson	X		
Commissioner Cris Beaty	X		
Chairman Gary Bauman	X		

Motion passed 5 to 0

MINUTES
Commissioner Jerry Wilkinson requested that a statement be added that the recording equipment had not been working for the September 1, 2004 meeting.

DRAFT

Motion: **Commissioner Cris Beaty made a motion to approve the minutes of September 1, 2004 as amended. Motion was seconded by Commissioner Jerry Wilkinson.**

DRAFT

Vote on Motion

Member	Yes	No	Other
Commissioner Tobin	X		
Commissioner Brooks	X		
Commissioner Beaty	X		
Commissioner Wilkinson	X		
Chairman Bauman	X		

Motion passed 5 to 0

PUBLIC COMMENT: The following persons addressed the Commission: Gail Jelinek, resident of the Key Largo Village. She expressed concern over the cost of the installation of sewers to lower income residents. It was explained that there will be grants available for the lower income residents. She will be contacted at a later date.

ACTION ITEMS
Resolutions

RESOLUTION NO. 05-09-04
A RESOLUTION ADOPTED BY THE BOARD OF COMMISSIONERS FOR THE KEY LARGO WASTEWATER TREATMENT DISTRICT ADOPTING THE BUDGET FOR THE FISCAL YEAR ENDING SEPTEMBER 2005 FOR THE DISTRICT LOCATED IN MONROE COUNTY, FLORIDA; PROVIDING FOR THE MANAGER TO EXPEND FUNDS ON BEHALF OF THE DISTRICT; AND PROVIDING FOR APPLICABILITY AND AN EFFECTIVE DATE.

Commissioner Charles Brooks stated that on page two item (G) that the word "contact" should be "contract".

Commissioner Charles Brooks asked if we ran out of funds in one area could funds be transferred in from someplace else. Financial Officer Martin Waits explained that the monies can be redistributed if they stay in the same category.

Commissioner Cris Beaty wanted to know where the Future Expansion revenue for $1,150,000 would be coming from. General Manager Charles Fishburn stated that some of the monies would be from the system development charges for future projects and some from federal funds. He also wanted to know if the $20,000 under "Management Contract" on Exhibit "A" was a contingency or does this exists now. Financial Officer Martin Waits said that it is to be used for audits and for GSG services in connection with the audit of fiscal year 2004.

Commissioner Andrew Tobin felt that the $1,150,000 in the Future Expansion column should not be there under Federal New Grants because it is not definite where the money would be coming from. Mr. Waits was directed to place the $1,150,000 under a "New Funding" title.

He also wanted to know if the District Counsel had reviewed Resolution No. 05-09-04 and if it was a new resolution or if an old one. District Counsel Thomas Dillon explained that it was one from last year. He made some editorial and typographical changes in the form.

Commissioner Andrew Tobin wanted to know whether Resolution No. 2003-18 used the term "expenditures" or the term "contracts?" District Counsel Thomas Dillon stated that the wording in the budget resolution should be changed to be consistent with the terms of Resolution No. 2003-18.[1]

Commissioner Jerry Wilkinson wanted to know if the District has all of the $3,565,000 now. Financial Officer Martin Waits stated that there could be a short fall of about $400,000 for Key Largo Park. Commissioner Wilkinson expressed concern over the warranty of the treatment plant if more EDU's were connected. District Counsel Thomas Dillon stated that the District would work with the contractor to ensure that any change orders will not cause warranty problems.

Chairman Gary Bauman stated that the Capital Improvement Budget is an on going document and next year (2005) the numbers will not be the same as in the budget under review.

District Counsel Thomas Dillon said that the budget should be done with the best estimates available, and the best information available, and that the budget may be amended as new information becomes available.

Chairman Gary Bauman would like to have the word "significantly" on page 2, item (F) taken out. The Board agreed.

Commissioner Cris Beaty stated that if there is a known shortfall in the budget then it should shown in the budget.

Financial Officer Martin Waits was directed to:

1. Remove the $1,150,000 from under Revenue, Federal and place it under a new category, "New Funding"
2. To remove "FEMA Phase I & II Match" from the "Capital Improvement Program" line of the 304 Fund
3. To remove the word "significantly" from item (F) on page two of Resolution No. 05-09-04
4. To use the correct term in place of the word "contract" on page 2 item (G)

[1] The word "contract" was change to "disbursement" to make it compatible with the wording in Resolution No. 2003-18.

5. To add $413,000 to the "Future Expansion" under KLP and $413,000 to "Other Funding" under KLP.

Public Comment. Steve Gibbs, Free Press. What is the $295,000 under mitigation for? Mr. Fishburn explained that it is for mitigation of the Treatment Plant Site. Mr. Gibbs also aksked about the $13,500 for insurance, it was explained that is was for liability insurance. The $20,000 for the management contract, is it for the audit? Mr. Waits explained that it is for work to be done by GSG in connection with the audit.

Motion: **A motion was made by Commissioner Charles Brooks to adopt Resolution No. 05-09-04, adopting the FY 2005 budget as amended. The motion was seconded by Commissioner Cris Beaty.**

Vote on motion

Member	Yes	No	Other
Commissioner Tobin	X		
Commissioner Brooks	X		
Commissioner Beaty	X		
Commissioner Wilkinson	X		
Chairman Bauman	X		

Motion passed 5 to 0

RESOLUTION NO. 06-09-04
A RESOLUTION OF THE KEY LARGO WASTEWATER TREATMENT DISTRICT, ESTABLISHING A POLICY REGARDING FUNDING OF GRANT ADMINISTRATION AND IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE.

This resolution was submitted pursuant to direction by the Board at an earlier meeting, and expressed the District's intent that, to the extent permitted by law, grants will carry a fair shore of the administrative and overhead costs necessary to administer them.

Motion: **Commissioner Charles Brooks made a motion to adopt Resolution No. 06-09-04. The motion was seconded by Commissioner Jerry Wilkinson.**

Vote on motion

Member	Yes	No	Other
Commissioner Tobin	X		
Commissioner Brooks	X		
Commissioner Beaty	X		
Commissioner Wilkinson	X		
Chairman Bauman	X		

Motion passed 5 to 0

Appointment of Catarineau & Catarineau, LLC, as District auditors
Commissioner Andrew Tobin asked the length of the contract. Financial Officer Martin Waits explained that the contract was for four years and this is the second year of the contract. The request is for approval of an engagement letter for one year.

Chairman Gary Bauman clarified that David Andrews is not a partner but a manager and his fee will be $150 hourly not $200.

Commissioner Andrew Tobin asked if the firm of Catarineau & Catarineau, LLC has had any other government experience. Staff will research this matter and review the four year contract.

Motion: **A motion to substitute Catarineau & Catarineau, LLC, successor to Mull & Associates, P.A. through reorganization, as the District's auditors in accordance with all terms of the District's written contract with Mull & Associates, P.A. dated July 30, 2003; and to further authorize the Finance Officer to accept the terms of an engagement letter dated September 8, 2004 under which Catarineau & Catarineau, LLC, would perform audit services for FY 2004, and also accept the terms of a separate letter of the same date under which Catarineau & Catarineau, LLC will provide assistance in financial accounting and other matter to the District. Motion was seconded by Commissioner Charles Brooks.**

Vote on motion

Member	Yes	No	Other
Commissioner Tobin	X		
Commissioner Brooks	X		
Commissioner Beaty	X		

Commissioner Wilkinson	X		
Chairman Bauman	X		

Motion passed 5 to 0

Collection system & Treatment Plant site signs
The KLWTD Board of Commissioners directed that General Manager Charles Fishburn work with Commissioner Charles Brooks to design the signs and have them placed on site.

Chairman Gary Bauman would like to see a sign smaller than 8 feet by 4 feet at Key Largo Village.

Commissioner Andrew Tobin suggested that the signs should have the year instead of the word "Chairman" because the Chair changes each year, and is of little significance.

Contract for District Inspector
Commissioner Andrew Tobin would like to see a weekly cap of 30 hours in the contract. He would also like to see the "fails to cure breach" within 30 days taken out and the 90 day notice changed to 14 days.

Ed Castle explained that the inspector will be working under his charge, and at his direction but as an employee of the District.

General Manager Charles Fishburn stated that he wanted to start the inspector on a trail basis on September 20, 2004. He also explained that he would like to add a 100 hour a month minimum to the contract at the inspector's request.

Commissioner Charles Brooks said that he has concerns with limiting the inspector to 30 hours a week because there may be times when he is needed for 40 hours a week, or more.

Motion: **A motion to approve the District Inspector's contract at $30 an hour, subject to an appropriate contract, was made by Commissioner Charles Brooks. The motion was seconded by Commissioner Andrew Tobin.**

Vote on motion

Member	Yes	No	Other
Commissioner Tobin	X		
Commissioner Brooks	X		
Commissioner Beaty	X		
Commissioner Wilkinson	X		
Chairman Bauman	X		

Motion passed 5 to 0

Approval of Haskell Project Superintendent

Motion: **A motion to give General Manager Charles Fishburn the authority to approve the Haskell Project Superintendent was made by Commissioner Andrew Tobin. The motion was seconded by Commissioner Cris Beaty.**

Vote on motion

Member	Yes	No	Other
Commissioner Tobin	X		
Commissioner Brooks	X		
Commissioner Beaty	X		
Commissioner Wilkinson	X		
Chairman Bauman	X		

Motion passed 5 to 0

CHIEF FINANCIAL OFFICERS REPORT

Pending Payments

Financial Officer Martin Waits presented the pending payments schedule for Sept 15, 2004. He then explained that the FMIT insurance payment had been received the day before for $5,941 and he is pursuing and explanation of the high cost but has not yet received any answers.

Commissioner Cris Beaty brought up the point that we should be getting a discount on the insurance because of membership in the Florida Special District Association.

Motion: **Commissioner Jerry Wilkinson made a motion to approve the pending payments list for September 15, 2004 with the exception of the FMIT Insurance payment of $5,941. Commissioner Cris Beaty made the second.**

Vote on motion:

Board Member	**Yes**	**No**	**Other**
Commissioner Andrew Tobin	X		
Commissioner Charles Brooks	X		
Commissioner Jerry Wilkinson	X		

Commissioner Cris Beaty	X		
Chairman Gary Bauman	X		

Motion passed 5 to 0

LEGAL COUNSEL REPORT

Draft Contract for Key Largo Park

District Counsel Thomas Dillon reported that he anticipates agreement with Haskell on the direct purchase order form soon. He is still waiting for a response to the exhibits on the Key Largo Park contract.

ENGINEERS REPORT

Ed Castle stated that he expects construction to start next week. The work on the RFQ for Sexton Cove/Lake Surprise Project is progressing and he should be able to give the Commissioners a definite date at the September 29, 2004 meeting for completion of the RFQ.

GENERAL MANAGER'S REPORT

General Manager Charles Fishburn presented the following as suggested topics for the Special Call September 29, 2004 meeting: Rate study direction, Engineering status report, KLP contract, KLTV escalation change request.

COMMISSIONER COMMENTS

Commissioner Charles Brooks was concerned over the office computer system. Mr. Fishburn said that he would make arrangements for the computer consultant to contact Commissioner Brooks concerning the current computer systems.

Chairman Gary Bauman asked if there would be a ceremony for ground breaking. Mr. Fishburn stated that one will be planned for October 15, 2004.

ADJOURNMENT

After a motion and second to adjourn the meeting adjourned at 7:17 PM.

The KLWTD minutes of September 15, 2004 were approved on _____.

_____
Chairman Gary Bauman

_____
Carol Simpkins, CMC
Board Clerk

TAB 2

KEY LARGO WASTEWATER TREATMENT DISTRICT

Agenda Request Form

Meeting Date: Sept. 29, 3004 Agenda Item No. 3

[ ] PUBLIC HEARING [ ] RESOLUTION

[X] DISCUSSION [ ] BID/RFP AWARD

[ ] GENERAL APPROVAL OF ITEM [ ] CONSENT AGENDA

[ ] Other:

SUBJECT: KLTV material escalation claim.

RECOMMENDED MOTION/ACTION:

Approved by General Manager C. J. [illegible]
Date: 9-23-04

Originating Department: General Manager	Costs: $ Funding Source: Acct. #	**Attachments:** Letter from the Haskell Co. dated Sept. 8, 2004 & a change proposal summary.
Department Review: [V] District Counsel [illegible] [V] General Manager C. J. [illegible] [ ] Finance _____	[ ] Engineering [illegible] [ ] Clerk_____	**Advertised:** Date: _____ Paper: _____ [X] Not Required
	All parties that have an interest in this agenda item must be notified of meeting date and time. The following box must be filled out to be on agenda.	Yes I have notified everyone_____ or Not applicable in this case_____: Please initial one.

Summary Explanation/Background: Haskell has requested a $296,093 material escalation claim. Staff plans to resolve this claim before awarding the KLP contract to Haskell. If staff, with the Boards consensus, cannot reach agreement with this escalation claim in a timely manner, then staff will defer this claim until later in the project when actual material costs can be audited. With an impasse on this issue staff does not believe that the KLP contract should be awarded to Haskell. A meeting with Haskell, Higgins, and district staff is scheduled for Friday Sept. 24, 2004 to resolve this issue. Our attorney has indicated that we have a strong case for not paying on any escalation claim but he supports efforts to arrive at a negotiated resolution settling all outstanding delay issues.

Resulting Board Action:

☐ Approved ☐ Tabled ☐ Disapproved ☐ Recommendation Revised

THE HASKELL COMPANY
AMERICA'S DESIGN-BUILD LEADER®

Peter M. Kinsley
Division Leader - Water

September 8, 2004

Re: Wastewater Management System
For The Key Largo Trailer Village
Area
Key Largo, Florida
Change Proposal No. 4
Material Escalation Claim
Issue No. 01-003 – Secondary
Treatment Process Selection
Issue No. 01-012 – FEMA
Environmental Assessment
Material Escalation Claim

Mr. Chuck Fishburn
KLWTD General Manager
Post Office Box 491
Key Largo, Florida 33037

Dear Mr. Fishburn:

The Haskell Company is submitting Change Proposal No. 4 for reimbursement of material escalation costs that have been incurred due to delays in the project schedule associated with the Key Largo Wastewater Treatment District's selection of the secondary treatment process and resolution of the FEMA Environmental Assessment. As you are aware, construction was originally scheduled to begin in November of 2003, but due to delays with the FEMA Environmental Assessment and their ultimate release of project funding, the KLWTD was unable to issue the Phase II Notice to Proceed until August 13, 2004, thus delaying procurement and subjecting the project to material escalation.

In demonstration of our commitment to the project and as stated in our May 17, 2004 letter, The Haskell Company waives reimbursement of extended overhead costs associated with this delay and is limiting its request to material escalation. Furthermore and as illustrated on the attached spreadsheet, The Haskell Company is limiting its cost recovery to materials most greatly impacted by today's volatile steel, petroleum and aggregate markets and will absorb labor, equipment rental and unnamed material cost increases for the benefit of the KLWTD. Our change request for material escalation is as follows:

Our total lump sum add for this work is Two Hundred Ninety-Six Thousand Ninety-Three Dollars and Zero Cents ($296,093.00).

To facilitate your review of Change Proposal No. 4, we have included two articles from the June 28, 2004 addition of Engineering News Record (ENR), which specifically address cost escalation in the construction industry. This magazine is one of the most respected publications in our industry and provides a reliable source of information. In reviewing the data provided, please note that Change Request No. 4 increases the contract price by 3.7% while the calculated annual increase in construction costs according to the Builder's Construction Cost Indexes ranges between 3.8% and 7.0% and averages 5.9%, which supports our claim that The Haskell Company has absorbed a significant portion of the delay costs.

Please be assured that The Haskell Company remains committed to this very important project and requests a meeting in the immediate future to resolve this issue as financial indicators are projecting additional increases in the steel market that are not included in Change Request No. 4. By waiving overhead cost and limiting our request to select material increases only, we believe we have treated the KLWTD very fairly and look forward to a quick resolution. Should you have any questions or require further information, please do not hesitate to contact me at (904) 357-4868.

Sincerely,

Peter M. Kinsley

Enclosures

cc: Mr. Walt Messer, D.N. Higgins, Inc.
Mr. John Patton, The Haskell Company
Mr. Ed Whelan, McGuire Woods
Issue No. 01-003
Issue No. 01-012

THE HASKELL COMPANY

ARCHITECTURE • ENGINEERING • CONSTRUCTION • REAL ESTATE SERVICES

CHANGE PROPOSAL SUMMARY
NO. : 4

PROJECT NAME:	Wastewater Management System for the Key Largo Trailer Village Area	PROJECT NO:	THC - 6701643
LOCATION:	Key Largo, Florida	DATE:	9/8/2004
OWNER:	Key Largo Wastewater Treatment District (KLWTD)	DRAWING NO:	Not Applicable
ISSUE NO.:	01-003 Secondary Treatment Selection & 01-012 FEMA Environ. Assessment	SPEC. SECTION:	Not Applicable

REFERENCE RFI NO.: _____ WORK DIRECTIVE NO.: _____ RFP NO: _____

DESCRIPTION: The following proposal is for material escalation incurred due to delays in the project schedule associated with KLWTD's selection of the secondary treatment process and resolution of the FEMA Environmental Assessment. Construction was originally scheduled to begin in November of 2003, but due to delays associated with the FEMA Environmental Assessment and FEMA's ultimate release of project funding, the KLWTD was unable to issue the Phase II Notice to Proceed until August 13, 2004, thus delaying procurement and subjecting the project to material escalation. In reviewing this Change Request, please note that for settlement purposes, we have waived overhead costs and are limiting our reimbursement only to select material items most impacted and absorbing a portion of the increased costs.

PRICING INFORMATION

1. DIRECT LABOR

1.A PRODUCT LABOR:

SKILL/TRADE	MAN-HOURS		RATE	COST
Project Director	0.00	MH	$ 80.00	$ -
Project Manager	0.00	MH	$ 60.00	$ -
Superintendent	0.00	MH	$ 70.00	$ -
Foreman	0.00	MH	$ 45.00	$ -
Operator	0.00	MH	$ 45.00	$ -
Millwright	0.00	MH	$ 35.00	$ -
Carpenter	0.00	MH	$ 32.00	$ -
Laborer	0.00	MH	$ 25.00	$ -
			SUBTOTAL (1)	$ -

2. MATERIALS AND EQUIPMENT

	DESCRIPTION	QUANTITY	UNIT PRICE	COST
2.A INCORPORATED IN WORK:	The Haskell Company	1	$ 130,974.44	$ 130,974.44
			$ -	$ -
			$ -	$ -
				$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
2.B EQUIPMENT:			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
2.C SALES TAX:	Sales Tax (LS)	1	$ 9,823.08	$ 9,823.08
			SUBTOTAL (2)	$ 140,797.52

3. SUBCONTRACTORS

	NAME	DESCRIPTION OF WORK	COST
3.A DIRECT:	D.N. Higgins, Inc.	Material Escalation	$ 134,600.00
3.B LOWER TIER:	Not Applicable	Not Applicable	
		SUBTOTAL (3)	$ 134,600.00

4. CONSULTANTS	NAME	DESCRIPTION OF WORK		COST
			SUBTOTAL (4)	$ -

5. FEE STRUCTURE	NAME	COST	PERCENT	FEE
A. Contractor				
1. Direct Labor:		$ -	5%	$ -
2. Material and Equipment:		$ 140,797.52	5%	$ 7,039.88
B. Subcontractors:		$ 134,600.00	5%	$ 6,730.00
C. Consultants		$ -	5%	$ -
			SUBTOTAL (5)	$ 13,769.88
			SUBTOTAL (1-5)	$ 289,167.40
D. Bonds and Insurance			2.395%	$6,925.56
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			**TOTAL**	**$ 296,093**

EXTENSION OF CONTRACT TIME:

As part of this Change Proposal, the Contractor requests an extension of Contract Time of 0 days.

Justification:

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed:

Title: Project Director Date: 9/8/2004

Contractor: The Haskell Company

RECOMMENDATION by ENGINEER: (Forward to Owner for Review)

Signature of Engineer: Date:

ACCEPTANCE BY OWNER: (return to engineer for processing)

Signature of Owner's Authorized Representative: Date:

_____Engineer to prepare necessary change order_____ Engineer to Re-negotiate change proposal as noted above_____Other as above

OWNER:	CONTRACTOR:	PROJECT:
	FIELD:	NO.:
ENGINEER:	OTHER:	DATE:

THE HASKELL COMPANY
AMERICA'S DESIGN-BUILD LEADER®

KEY LARGO WASTEWATER TREATMENT PLANT
Project # 6701643

Material Type	Quantity	Unit of Measure	Price as of November 2003	Price as of August 2004	Increase per Unit	Increase In Cost	Source
THE HASKELL COMPANY							
Crushed Lime Rock	770	TN	$4.90	$7.50	($2.60)	($2,002.00)	Florida Rock and Sand
Asphalt Paving	190	TN	$31.50	$37.50	($6.00)	($1,140.00)	Affordable Asphalt
Ready Mix Concrete	480	CY	$81.00	$87.00	($6.00)	($2,880.00)	RMC Florida Group
Reinforcing Steel	66	TNS	$500.00	$1,075.00	($575.00)	($37,950.00)	SMI
Precast Concrete Panels	1,587	SF	$10.00	$11.97	($1.97)	($3,130.00)	PCSI
Concrete Block	1,585	EA	$1.50	$2.50	($1.00)	($1,585.00)	RMC Florida Group (Verbal)
Aluminum Handrail & Grating	1	LS	$56,000.00	$67,051.00	($11,051.00)	($11,051.00)	Dixie Metals
Secondary Treatment Equipment	195,000	LB	See Attached	See Attached	($0.27)	($52,761.00)	Fluidyne Corporation
Conduit	1	LS	See Attached	See Attached	($3,074.80)	($3,074.80)	Energy Erectors
Electrical Wire	1	LS	See Attached	See Attached	($1,751.38)	($1,751.38)	Energy Erectors
Diesel Generator w/ Belly Tank	1	EA	See Attached	See Attached	($13,649.26)	($13,649.26)	Energy Erectors
THE HASKELL COMPANY SUBTOTAL						**($130,974.44)**	
D.N. HIGGINS, INC.							
Pipe Bedding	8,000	TN	$7.60	$10.00	($2.40)	($19,200.00)	Florida Rock and Sand
Asphalt Paving	2,000	TN	$31.50	$37.50	($6.00)	($12,000.00)	Affordable Asphalt
Tack	2,000	GAL	$2.50	$4.00	($1.50)	($3,000.00)	Affordable Asphalt
Flowable Fill Concrete	3,200	CY	$75.50	$81.50	($6.00)	($19,200.00)	Florida Rock and Sand
#57 Stone	15,000	TN	$7.60	$10.00	($2.40)	($36,000.00)	Florida Rock and Sand
Vacuum Pits	131	EA	$1,675.00	$1,875.00	($200.00)	($26,200.00)	Roevac
Vacuum Pump Station	1	EA	$145,000.00	$160,600.00	($15,600.00)	($15,600.00)	Roevac
Diesel	10,000	GAL	$1.17	$1.51	($0.34)	($3,400.00)	Blaylock Oil
D.N. HIGGINS, INC. SUBTOTAL						**($134,600.00)**	
TOTAL MATERIAL ESCALATION						**($265,574.44)**	

TAB 3

KEY LARGO WASTEWATER TREATMENT DISTRICT

Agenda Request Form

Meeting Date: Sept. 29, 2004 Agenda Item No. 4

[ ]	PUBLIC HEARING	[ ]	RESOLUTION
[X]	DISCUSSION	[ ]	BID/RFP AWARD
[ ]	GENERAL APPROVAL OF ITEM	[ ]	CONSENT AGENDA
[ ]	Other:		

SUBJECT: KLP Contract

RECOMMENDED MOTION/ACTION:

Approved by General Manager O. J. Zini

Date: 9-23-04

Originating Department: General Manager	Costs: $ Funding Source: Acct. #	**Attachments:** Letter for Haskell dated Aug. 4, 2004 & a memo from Weiler Engineering dated Sept. 15, 2004.
Department Review: [X] District Counsel JMW [ ] General Manager ____ [ ] Finance _____	[ ] Engineering ____ [ ] Clerk_____	**Advertised:** Date: _____ Paper: _____ [X] Not Required
	All parties that have an interest in this agenda item must be notified of meeting date and time. The following box must be filled out to be on agenda.	Yes I have notified everyone_____ or Not applicable in this case_____: Please initial one.

Summary Explanation/Background: Staff is working on a contract with Haskell Co. to complete the KLP Project including Sunset Waterways and the sizing of piping to allow for the future connection of Calusa Campground. If staff can resolve the KLTV escalation issue, we plan to move forward with negotiations with Haskell on the KLP contract. The KLP park contract is not without issues. Higgins is seeking a $5/ft increase in pipe costs ($93,955) and Haskell will receive 5% ($117,324,751) for overseeing and guaranteeing the performance of the completed project.

If the KLTV escalation request is not resolved and staff cannot negotiate an acceptable price for the KLP project (the wording of an acceptable contract between Haskell and the District has been completed) then Higgins will be issued a "Notice to Proceed" under their original contract for KLP and one or more change orders reflecting the current design of the project at the original unit prices.

If Higgins declines to go forward with their contract then the District will look to Higgin's bonding company to complete the project at no additional cost to the District over and above the contract unit prices.

Resulting Board Action:

☐ Approved ☐ Tabled ☐ Disapproved ☐ Recommendation Revised

THE HASKELL COMPANY
AMERICA'S DESIGN-BUILD LEADER®

Peter M. Kinsley
Division Leader - Water

August 4, 2004

Re: Wastewater Management System
For The Key Largo Trailer Village
Key Largo, Florida
Change Proposal No. 2-Revised
Issue No. 02-001 – Key Largo
Park Design and Construction

PRICE INC. HIGGINS $93,955
HASKELL $917,324.75
BONDS. $59,008.48

Mr. Chuck Fishburn
KLWTD General Manager
Post Office Box 491
Key Largo, Florida 33037

Dear Mr. Fishburn:

The Haskell Company is pleased to submit Change Proposal No. 2-Revised for providing construction services for the Key Largo Park project. As you are aware, acceptance of this proposal will provide the Key Largo Wastewater Treatment District (KLWTD) with a single guarantor for the complete Key Largo Trailer Village and Park project. Enclosed, please find the cost breakdown, scope description and supporting documentation for your review and consideration.

Our total lump sum add for this work is Two Million Five Hundred Twenty Two Thousand Eight Hundred Twenty Eight Dollars and Zero Cents ($2,522,828.00).

In reviewing this cost proposal, please note that the unit prices used to develop the D.N. Higgins, Inc. quotation have been increased to address material escalation. In order to understand the impact of the material escalation, we have also priced the work utilizing D.N. Higgins' original unit prices.

The Haskell Company is pleased, that through Value Engineering, to be able to provide service to all occupied lots in the Key Largo Park, add Sunset Waterways to the collection system and reduce cost by $269,172.00 below the bid day price prepared by D.N. Higgins, Inc. from the original design. We trust this will also please the KLWTD.

The cost included in Change Proposal No. 2-Revised represents the total lump sum add for the work described only, and similarly takes into account only the schedule impact resultant of this change, if any. Be advised that the cost and schedule impacts associated with the effects of multiple changes, trade stacking, acceleration as a result of excessive changes, etc. are not considered in the work herein described and priced. The Haskell

Company reserves the right to review these potentially unforeseen impacts, should they occur, at a later date.

Should you have any questions or require further information, please do not hesitate to contact me at (904) 357-4868.

Sincerely,

Peter M. Kinsley
Division Leader – Water

Enclosures

cc: Mr. Walt Messer, D.N. Higgins, Inc.
Issue No. 02-001

THE HASKELL COMPANY

ARCHITECTURE • ENGINEERING • CONSTRUCTION • REAL ESTATE SERVICES

CHANGE PROPOSAL SUMMARY
NO. : 2 w/ Escalation

PROJECT NAME:	Wastewater Management System for the Key Largo Trailer Village Area	PROJECT NO:	THC - 6701643
LOCATION:	Key Largo, Florida	DATE:	8/4/2004
OWNER:	Key Largo Wastewater Treatment District (KLWTD)	DRAWING NO:	C200 to C227
ISSUE NO.:	02-001 - Key Largo Park Design and Construction	SPEC. SECTION:	Not Applicable

REFERENCE RFI NO.: _____ WORK DIRECTIVE NO.: _____ RFP NO: KLWTD Letter dated 8/28/03

DESCRIPTION: Per the request of the KLWTD, provide engineering and construction services for the Key Largo Park project under the terms and conditions of the Key Largo Trailer Village project. Change Proposal No. 2 is a continuation of Change Proposal No. 1, which provided design for the Key Largo Park. By accepting Change Proposal No. 2, The Haskell Company would now construct the Key Largo Park and serve as the project guarantor for the complete Key Largo Trailer Village and Park project. **Please note that the price by DN Higgins specifically includes material escalation and is what is required for the performance of this scope of work.**

PRICING INFORMATION

1. DIRECT LABOR

1.A PRODUCT LABOR:

SKILL/TRADE	MAN-HOURS		RATE	COST
Project Director	0.00	MH	$ 80.00	$ -
Project Manager	0.00	MH	$ 60.00	$ -
Superintendent	0.00	MH	$ 70.00	$ -
Foreman	0.00	MH	$ 45.00	$ -
Operator	0.00	MH	$ 45.00	$ -
Millwright	0.00	MH	$ 35.00	$ -
Carpenter	0.00	MH	$ 32.00	$ -
Laborer	0.00	MH	$ 25.00	$ -
			SUBTOTAL (1)	$ -

2. MATERIALS AND EQUIPMENT

	DESCRIPTION	QUANTITY	UNIT PRICE	COST
2.A INCORPORATED IN WORK:			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
2.B EQUIPMENT:			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
2.C SALES TAX:	Sales Tax (LS)	1	$ -	$ -
			SUBTOTAL (2)	$ -

3. SUBCONTRACTORS

	NAME	DESCRIPTION OF WORK	COST
3.A DIRECT:	DN Higgins, Inc.	Vacuum Sewer System Installation	$ 2,334,370.00
3.B LOWER TIER:	Not Applicable	Not Applicable	
		SUBTOTAL (3)	$ 2,334,370.00

4. CONSULTANTS	NAME	DESCRIPTION OF WORK		COST
	Brown and Caldwell	Construction Administration		$ 12,125.00
			SUBTOTAL (4)	$ 12,125.00

5. FEE STRUCTURE	NAME	COST	PERCENT	FEE
A. Contractor				
1. Direct Labor:		$ -	5%	$ -
2. Material and Equipment:		$ -	5%	$ -
B. Subcontractors:		$ 2,334,370.00	5%	$ 116,718.50
C. Consultants		$ 12,125.00	5%	$ 606.25
			SUBTOTAL (5)	$ 117,324.75
			SUBTOTAL (1-5)	$ 2,463,819.75
D. Bonds and Insurance			2.395%	$59,008.48
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			**TOTAL**	**$ 2,522,828**

EXTENSION OF CONTRACT TIME:

As part of this Change Proposal, the Contractor requests an extension of Contract Time of 30 days.

Justification:

The additional scope of work will be performed concurrently with the Key Largo Trailer Village project and should not introduce additional calendar days to the project schedule. In order to ensure that acceleration is not required to perform this additional scope of work, a 30-day time extension is requested.

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed:

Title: Project Director Date: 7/28/2004

Contractor: The Haskell Company

RECOMMENDATION by ENGINEER: (Forward to Owner for Review)

Furnish and install the sanitary sewer collection system as defined by the latest FDEP Permit Submittal Drawings for the Key Largo Park Collection System prepared by Brown & Caldwell and dated July 2004.

Please note that future piping indicated by dashed lines is not included in this proposal.

Signature of Engineer: Date:

ACCEPTANCE BY OWNER: (return to engineer for processing)

Signature of Owner's Authorized Representative: Date:

_____Engineer to prepare necessary change order_____ Engineer to Re-negotiate change proposal as noted above_____Other as above

OWNER:	CONTRACTOR:	PROJECT:
	FIELD:	NO.:
ENGINEER:	OTHER:	DATE:

KEY LARGO PARK WASTEWATER SYSTEM

BASE BID

ITEM	DESCRIPTION	RECOMMENDED PRICING KEY LARGO PARK QUANITITY	UNIT	UNIT PRICE	TOTAL
	VACUUM & GRAVITY SEWER MAINS				
1.	3-Inch Vacuum Sewer Main	950	LF	$60.00	$57,000.00
2.	4-Inch Vacuum Sewer Main	12,174	LF	$65.00	$791,310.00
3.	6-Inch Vacuum Sewer Main	1,175	LF	$70.00	$82,250.00
4.	8-Inch Vacuum Sewer Main	592	LF	$75.00	$44,400.00
5.	10-Inch Vacuum Sewer Main	0	LF	$80.00	$0.00
6.	8-Inch Gravity Sewer Main 0 to 6 feet deep	3,512	LF	$80.00	$280,960.00
7.	8-Inch Gravity Sewer Main 6 to 8 feet deep	0	LF	$85.00	$0.00
	DIVISION VALVES				
8.	4-Inch Division Valves	19	EA	$450.00	$8,550.00
9.	6-Inch Division Valves	3	EA	$550.00	$1,650.00
10.	8-Inch Division Valves	1	EA	$750.00	$750.00
).	10-Inch Division Valves	0	EA	$900.00	$0.00
	VACUUM PIT & BUFFER TANK ASSEMBLIES				
12.	Type 1 Vacuum Pits Complete w/o Vac Valve	62	EA	$4,500.00	$279,000.00
13.	Type 3 Vacuum Pits Compete w/o Vac Valve 7 feet deep	0	EA	$6,500.00	$0.00
14.	Type 3 Vacuum Pits Compete w/o Vac Valve 8 feet deep	0	EA	$8,000.00	$0.00
15.	Type 3 Vacuum Pits Complete w/o Vac Valve 9 feet deep	13	EA	$10,000.00	$130,000.00
16	Buffer Tanks Complete	13	EA	$9,000.00	$117,000.00

5500 X 13 = 117,500

KEY LARGO PARK WASTEWATER SYSTEM

ALTERNATE # 2

ITEM	DESCRIPTION	RECOMMENDED QUANITITY	UNIT	UNIT PRICE	TOTAL
	GRAVITY AND VACUUM LATERALS 6-Inch Gravity Laterals Connected to 8-inch Gravity Sewer Main	735	LF	$50.00	$36,750.00
18.	6-Inch Gravity Laterals Connected to Vac Pits	1575.00	LF	$70.00	$110,250.00

19.	3-Inch Vac Service Connection w/o Vac Pit	0	LF	$55.00	$0.00
20.	Line Access Point (any size main)	0	EA	$500.00	$0.00
1.	Line Access Manhole	0	EA	$3,500.00	$0.00
22.	Furnish Vacuum System Spare Parts & Special Tools	1	LS	$45,000.00	$45,000.00
23.	Trailer Mounted Vacuum Field Test Pump	1	LS	$20,000.00	$20,000.00
24.	Vac Sewer Manufacturer (VSM) Representative	1	LS	$90,000.00	$90,000.00
	RESTORATION				
25.	Trench & Paving Restoration in US1 R.O.W.	80	SY	$150.00	$12,000.00
26.	Main Line Trench & Paving Restoration on streets Outside of US1 Right of Way	14,700	SY	$15.00	$220,500.00
27.	Lateral Trench & Paving Restoration on streets Outside of US1 Right of Way	350	SY	$20.00	$7,000.00

$2,334,370.00

KLTV
$25,000
$8500

BREAK OUT

$2,240,415
$93,955

$2,522,828
− 90,000 VAC. REP.
SAVE. + 60,000 CALUSA, ~~75 VAC.~~ WITH VALVES
COMMERCIAL 71,500 13 DEEP TANKS,

$2,400,000
$2,240,415 INC. + MGMT,
$159,585

THE HASKELL COMPANY

ARCHITECTURE • ENGINEERING • CONSTRUCTION • REAL ESTATE SERVICES

CHANGE PROPOSAL SUMMARY
NO. : 2

PROJECT NAME:	Wastewater Management System for the Key Largo Trailer Village Area	PROJECT NO:	THC - 6701643
LOCATION:	Key Largo, Florida	DATE:	8/4/2004
OWNER:	Key Largo Wastewater Treatment District (KLWTD)	DRAWING NO:	C200 to C227
ISSUE NO.:	02-001 - Key Largo Park Design and Construction	SPEC. SECTION:	Not Applicable

REFERENCE RFI NO.: _____ WORK DIRECTIVE NO.: _____ RFP NO: KLWTD Letter dated 8/28/03

DESCRIPTION: Per the request of the KLWTD, provide engineering and construction services for the Key Largo Park project under the terms and conditions of the Key Largo Trailer Village project. Change Proposal No. 2 is a continuation of Change Proposal No. 1, which provided design for the Key Largo Park. By accepting Change Proposal No. 2, The Haskell Company would now construct the Key Largo Park and serve as the project guarantor for the complete Key Largo Trailer Village and Park project. **Please note that the price by DN Higgins specifically excludes material escalation and is offered to demonstrate the savings our design provides the KLWTD.**

PRICING INFORMATION

1. DIRECT LABOR

1.A PRODUCT LABOR:

SKILL/TRADE	MAN-HOURS		RATE	COST
Project Director	0.00	MH	$ 80.00	$ -
Project Manager	0.00	MH	$ 60.00	$ -
Superintendent	0.00	MH	$ 70.00	$ -
Foreman	0.00	MH	$ 45.00	$ -
Operator	0.00	MH	$ 45.00	$ -
Millwright	0.00	MH	$ 35.00	$ -
Carpenter	0.00	MH	$ 32.00	$ -
Laborer	0.00	MH	$ 25.00	$ -
			SUBTOTAL (1)	$ -

2. MATERIALS AND EQUIPMENT

	DESCRIPTION	QUANTITY	UNIT PRICE	COST
2.A INCORPORATED IN WORK:			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
2.B EQUIPMENT:			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
			$ -	$ -
2.C SALES TAX:	Sales Tax (LS)	1	$ -	$ -
			SUBTOTAL (2)	$ -

3. SUBCONTRACTORS

	NAME	DESCRIPTION OF WORK	COST
3.A DIRECT:	DN Higgins, Inc.	Vacuum Sewer System Installation	$ 2,240,415.00
3.B LOWER TIER:	Not Applicable	Not Applicable	
		SUBTOTAL (3)	$ 2,240,415.00

4. CONSULTANTS	NAME	DESCRIPTION OF WORK		COST
	Brown and Caldwell	Construction Administration		$ 12,125.00
			SUBTOTAL (4)	$ 12,125.00

5. FEE STRUCTURE	NAME	COST	PERCENT	FEE
A. Contractor				
1. Direct Labor:		$ -	5%	$ -
2. Material and Equipment:		$ -	5%	$ -
B. Subcontractors:		$ 2,240,415.00	5%	$ 112,020.75
C. Consultants		$ 12,125.00	5%	$ 606.25
			SUBTOTAL (5)	$ 112,627.00
			SUBTOTAL (1-5)	$ 2,365,167.00
D. Bonds and Insurance			2.395%	$56,645.75
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses):			**TOTAL**	**$ 2,421,813**

EXTENSION OF CONTRACT TIME:

As part of this Change Proposal, the Contractor requests an extension of Contract Time of 30 days.

Justification:

The additional scope of work will be performed concurrently with the Key Largo Trailer Village project and should not introduce additional calendar days to the project schedule. In order to ensure that acceleration is not required to perform this additional scope of work, a 30-day time extension is requested.

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed:

Title: Project Director Date: 7/28/2004

Contractor: The Haskell Company

RECOMMENDATION by ENGINEER: (Forward to Owner for Review)

Furnish and install the sanitary sewer collection system as defined by the latest FDEP Permit Submittal Drawings for the Key Largo Park Collection System prepared by Brown & Caldwell and dated July 2004.

Please note that future piping indicated by dashed lines is not included in this proposal.

Signature of Engineer: Date:

ACCEPTANCE BY OWNER: (return to engineer for processing)

Signature of Owner's Authorized Representative: Date:

_____Engineer to prepare necessary change order_____ Engineer to Re-negotiate change proposal as noted above_____Other as above

OWNER:	CONTRACTOR:	PROJECT:
	FIELD:	NO.:
ENGINEER:	OTHER:	DATE:

KEY LARGO PARK WASTEWATER SYSTEM

BASE BID

ITEM	DESCRIPTION	ORIGINAL PRICES KEY LARGO PARK WASTEWATER SYSTEM QUANITITY	UNIT	UNIT PRICE	TOTAL
	VACUUM & GRAVITY SEWER MAINS				
1.	3-Inch Vacuum Sewer Main	950	LF	$55.00	$52,250.00
2.	4-Inch Vacuum Sewer Main	12,174	LF	$60.00	$730,440.00
3.	6-Inch Vacuum Sewer Main	1,175	LF	$65.00	$76,375.00
4.	8-Inch Vacuum Sewer Main	592	LF	$70.00	$41,440.00
5.	10-Inch Vacuum Sewer Main	0	LF	$75.00	$0.00
6.	8-Inch Gravity Sewer Main 0 to 6 feet deep	3,512	LF	$80.00	$280,960.00
7.	8-Inch Gravity Sewer Main 6 to 8 feet deep	0	LF	$85.00	$0.00
	DIVISION VALVES				
8.	4-Inch Division Valves	19	EA	$450.00	$8,550.00
9.	6-Inch Division Valves	3	EA	$550.00	$1,650.00
10.	8-Inch Division Valves	1	EA	$750.00	$750.00
	10-Inch Division Valves	0	EA	$900.00	$0.00
	VACUUM PIT & BUFFER TANK ASSEMBLIES				
12.	Type 1 Vacuum Pits Complete w/o Vac Valve	62	EA	$4,500.00	$279,000.00
13.	Type 3 Vacuum Pits Compete w/o Vac Valve 7 feet deep	0	EA	$6,500.00	$0.00
14.	Type 3 Vacuum Pits Compete w/o Vac Valve 8 feet deep	0	EA	$8,000.00	$0.00
15.	Type 3 Vacuum Pits Complete w/o Vac Valve 9 feet deep	13	EA	$10,000.00	$130,000.00
16	Buffer Tanks Complete	13	EA	$7,000.00	$91,000.00

KEY LARGO PARK WASTEWATER SYSTEM

ALTERNATE # 2

ITEM	DESCRIPTION	ORIGINAL QUANITITY	UNIT	UNIT PRICE	TOTAL
	GRAVITY AND VACUUM LATERALS				
17.	6-Inch Gravity Laterals Connected to 8-inch Gravity Sewer Main	735	LF	$50.00	$36,750.00
18.	6-Inch Gravity Laterals Connected to Vac Pits	1575	LF	$70.00	$110,250.00
19.	3-Inch Vac Service Connection w/o Vac Pit	0	LF	$55.00	$0.00
20.	Line Access Point (any size main)	13	EA	$500.00	$6,500.00
21.	Line Access Manhole	0	EA	$3,500.00	$0.00
22.	Furnish Vacuum System Spare Parts & Special Tools	1	LS	$45,000.00	$45,000.00
23.	Trailer Mounted Vacuum Field Test Pump	1	LS	$20,000.00	$20,000.00
24.	Vac Sewer Manufacturer (VSM) Representative	1	LS	$90,000.00	$90,000.00
	RESTORATION				
25.	Trench & Paving Restoration in US1 R.O.W.	80	SY	$150.00	$12,000.00
26.	Main Line Trench & Paving Restoration on streets Outside of US1 Right of Way	14,700	SY	$15.00	$220,500.00
27.	Lateral Trench & Paving Restoration on streets Outside of US1 Right of Way	350	SY	$20.00	$7,000.00
				TOTAL	**$2,240,415.00**

THE WEILER ENGINEERING CORPORATION

"Excellence in Engineering"

6630 Front Street, Stock Island
Key West, Florida 33040
(305) 295-3301 ph
(305) 295-0143 fax

MEMORANDUM

To: Chuck Fishburn

From: Ed Castle

Date: September 15, 2004

Re: Calusa Camp costs

Per your request, I have performed a quantity and price takeoff according to the description of changes in the KLP design to accommodate the Calusa Camp flows. I have calculated costs using both the original pricing and Higgins' suggested increased pricing.

Quantities to Deduct (at Contract Costs)

Lineal Feet Deducted	Pipe Size	Unit Cost	Cost Deduction
1840	4"	$60.00	$110,400.00
760	6"	$65.00	$49,400.00
615	8"	$70.00	$43,050.00
		Total Deduction	**$202,850.00**

Quantities to Add (at Contract Costs)

Lineal Feet Added	Pipe Size	Unit Cost	Cost Added
1915	6"	$65.00	$124,475.00
1315	8"	$70.00	$92,050.00
615	10"	$75.00	$46,125.00
		Total Added	**$262,250.00**

Net increase to the KLP project = ($262,250.00 – $202,850.00) = **$59,400.00**
(at original contract unit prices)

The cost increase using the increase unit prices suggested by Higgins is calculated as follows:

Quantities to Deduct (at New Costs)

Lineal Feet Deducted	Pipe Size	Unit Cost	Cost Deduction
1840	4"	$65.00	$119,600.00
760	6"	$70.00	$53,200.00
615	8"	$75.00	$46,125.00
		Total Deduction	**$218,925.00**

Quantities to Add (at New Costs)

Lineal Feet Added	Pipe Size	Unit Cost	Cost Added
1915	6"	$70.00	$124,475.00
1315	8"	$75.00	$92,050.00
615	10"	$80.00	$46,125.00
		Total Added	**$281,875.00**

Net increase to the KLP project = ($281,875.00 – $218,925.00) = **$62,950.00**
(at Higgins' suggested increased unit costs)

It should be noted that some fitting sizes change, as well as changes in pipe diameter.

KEY LARGO WASTEWATER TREATMENT DISTRICT BOARD OF COMMISSIONERS MEETING

SPELCIAL CALL AGENDA
AMENDED

Wednesday, September 29, 2004 at 5:00 PM
Key Largo Civic Club, 209 Ocean Bay Drive
Key Largo, FL

Gary Bauman	~	Chairman
Jerry Wilkinson	~	Vice Chairman
Cris Beaty	~	Secretary
Charles Brooks	~	Commissioner
Andrew Tobin	~	Commissioner

Charles F. Fishburn	General Manager
Thomas Dillon	District Counsel
Carol Simpkins	Board Clerk

PLEASE TAKE NOTICE AND BE ADVISED, that if any interested person desires to appeal any decision of the KLWTD Board, with respect to any matter considered at this meeting, such interested person will need a record of the proceedings, and for such purpose, may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Persons with disabilities requiring accommodations in order to participate in the meeting should contact the Board Clerk at 305-852-2477 at least 48 hours in advance to request accommodations.

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL

IV. APPROVAL OF AGENDA WITH ANY ADDITIONS OR DELETIONS

V. APPROVAL OF MINUTES **TAB 1**

1. September 15, 2004

VI. PUBLIC COMMENT

VII. ACTION ITEMS

2. Pending Payments List **TAB 2**

VIII. ENGINEERS REPORT

3. RFQ for Sexton Cove/Lake Surprise (Power Point Presentation)

THE SPECIAL CALL MEETING OF THE KEY LARGO WASTEWATER TREATMENT DISTRICT WILL NOW GO INTO AN ATTORNEY/CLIENT CLOSED SESSION.

IX. GENERAL MANAGER'S REPORT

4. KLTV Escalation Change Request **TAB 2**

5. KLP Contract **TAB 3**

6. Rate Study direction

X. COMMISSIONER'S COMMENTS

7. Inter-local Governmental Task Force – Chairman Gary Bauman

XIII. ADJOURNMENT

FUTURE ITEMS OF CONCERN

a) Water Quality Testing
b) Project request for FEMA deadline extension
c) CDBG Grants and/or funds for private connection
d) Procedures
e) Website Development
f) Elections at Large versus Seats
g) Agency Coordination
h) Inter-local Governmental Task Force

Call to order 5 pm

Pledge: GARY

Roll Call

Member	Yes	No	Other	Present
Commissioner Andrew Tobin				
Commissioner Charles Brooks				
Commissioner Cris Beaty				
Commissioner Jerry Wilkinson				
Chairman Gary Bauman				

Approval of Agenda

Motion Jerry

Second Chris

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

Approval of Minutes
Motion JERRY

Second GARY

Sept. 15, 2004

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

PUBLIC COMMENT

Chuck Myles, Inspector
INTP

ACTION ITEMS

Pending Payments List

Motion Chris

Second Charlie

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

Engineers Report

RFQ for Sexton Cove

Motion

Second

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

General Manager's Report

KLTV Escalation Change Request

Motion

Second

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

KLP contract Chuck go Direct w/Higgins
Rebid

recommend Issue notice to Proceed To Higgins with
85 ft [illegible]

Andy - Higgins wants out
[illegible] wants [illegible]
SAVE $200,000 w/notice

Tom give Chuck

~~Amend w/ nego of [illegible]~~

Motion Charlie

Second Andy

Member	Yes		No	Other
Commissioner Tobin				
Commissioner Brooks				
Commissioner Beaty				
Commissioner Wilkinson				
Chairman Bauman				

Charlie Brown Caldwell
Engineer of record

Andy
Recording Notverbatim.

Rate Study direction

N/A

ED RATE
Needs [illegible]

1 YR NOTICE -
need to Define

Motion

Second

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

Inter-local Governmental Task force

GARY- [illegible]

KLWTD [illegible] WAIT

Charlie Presentation to BOCC was in conflict with that stand.

Charlie- Not prepared My Presenta BOCC as I stated to Defend Task force Syr Proceeds Dec 3 2001, [illegible] William Chairing Being member [illegible] [illegible] to process of funding in [illegible] [illegible] Plan for future

GARY- Met w/ [illegible] Syr plan will include input FROM KLWTD. JIM Roberts [illegible] [illegible]

Motion Charlie Liasion on Funding should Be in Loop

Second GARY - Charlie [illegible] Be Liason

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			

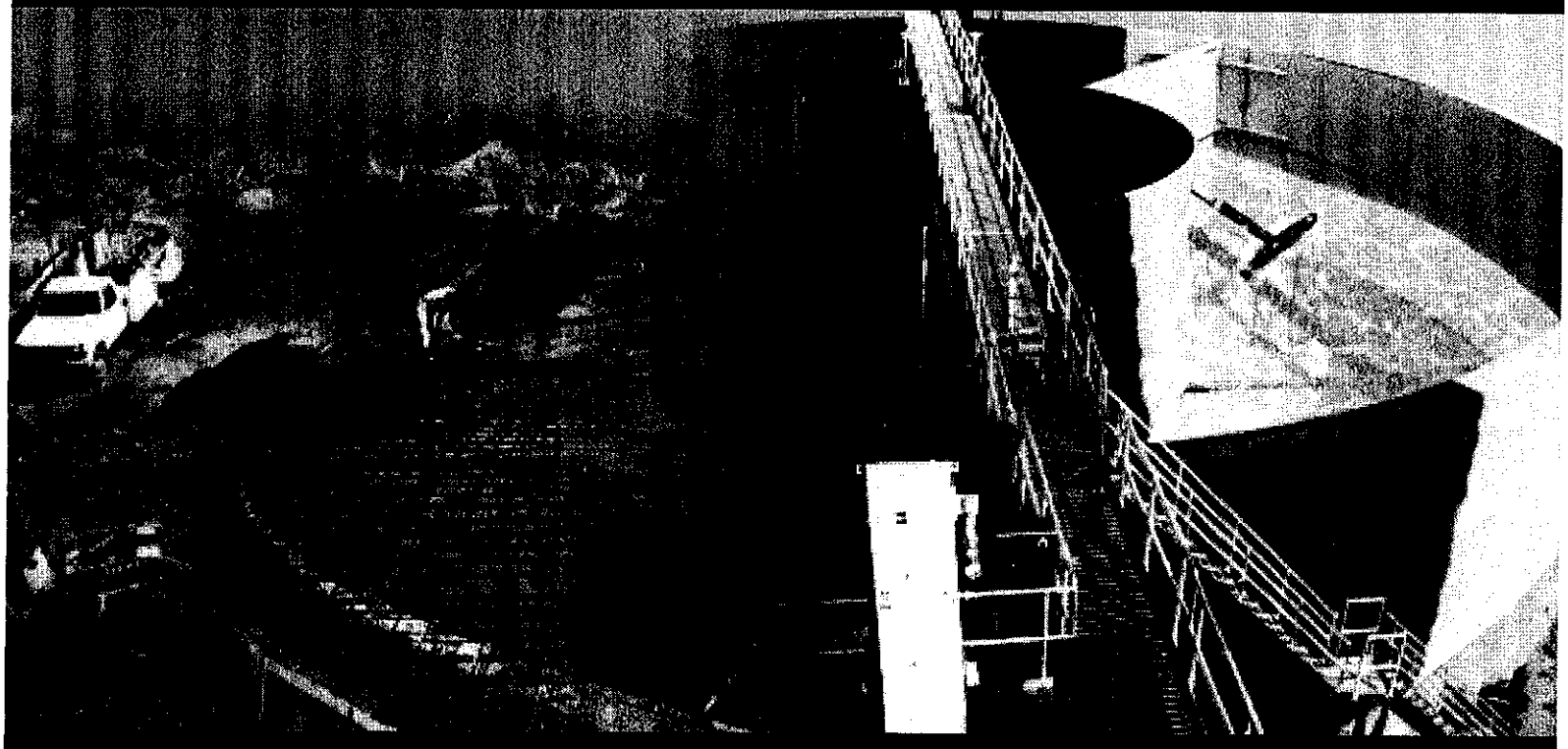
Andy left 7:47PM

Adjournment: **Time** _____

Motion GKIS

Second JPKJ P. D. 48

Member	Yes	No	Other
Commissioner Tobin			
Commissioner Brooks			
Commissioner Beaty			
Commissioner Wilkinson			
Chairman Bauman			



USFilter

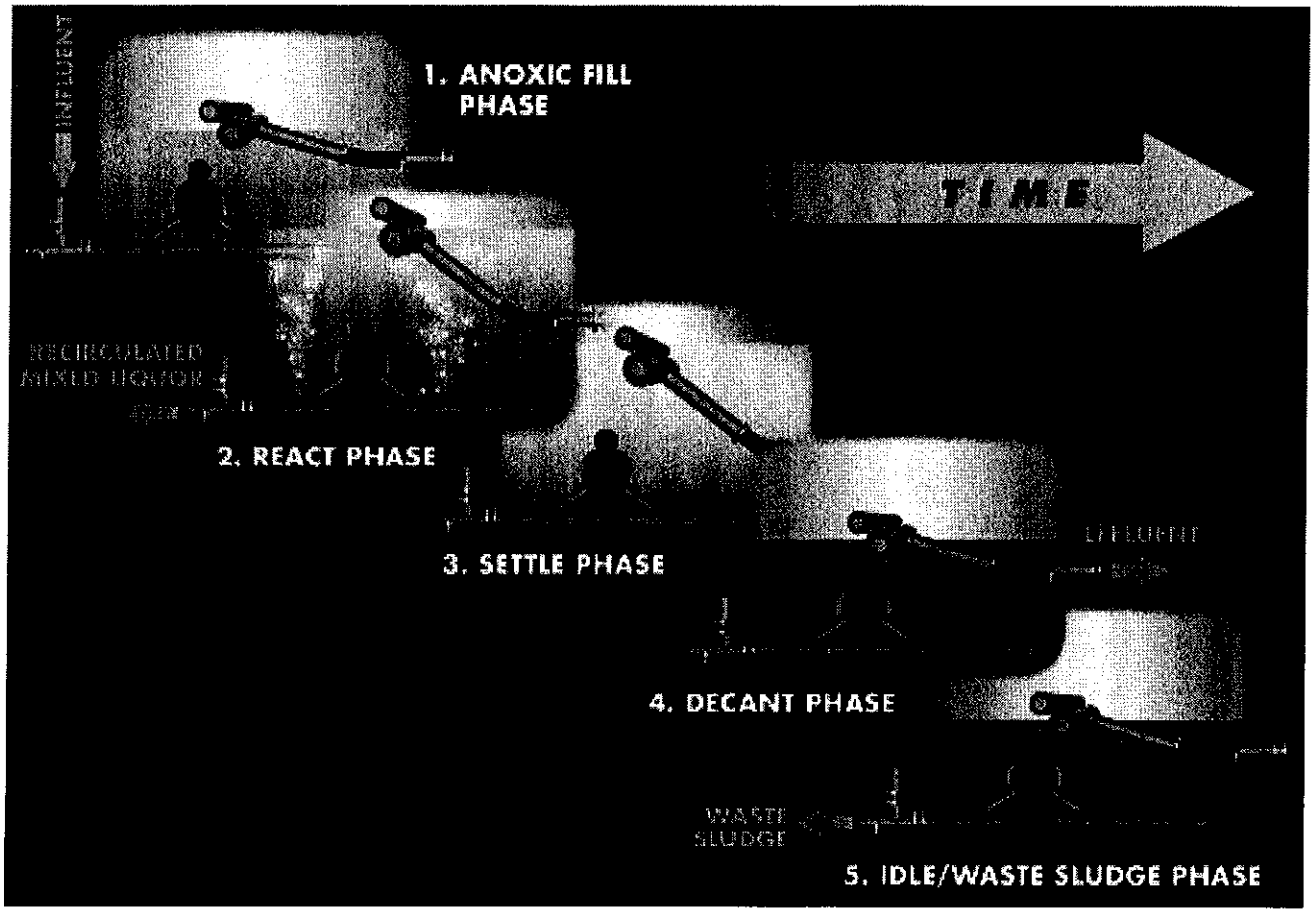
OMNIPAC®

FIELD-ERECTED

SBR PACKAGE

PLANTS

Synergy happens when two inputs exceed the sum of their total. And that's what the OMNIFLO® process and DAVCO™ package plant technologies do when they are combined in a single system. These specialized USFilter technologies—unified under the name OMNIPAC®—provide a revolutionary solution for plant owners and operators who need the benefits of the Sequencing Batch Reactor (SBR) process in a proven FASTRAC™ treatment plant package. The benefits of this combination are far in advance of any single product currently available. OMNIPAC®—the essence of synergy in today's wastewater industry—combines performance, efficiency, flexibility, and economy in a single, high-reliability package.



HIGH QUALITY EFFLUENT

SMALL FOOTPRINT

NO SLUDGE RECYCLE SYSTEM

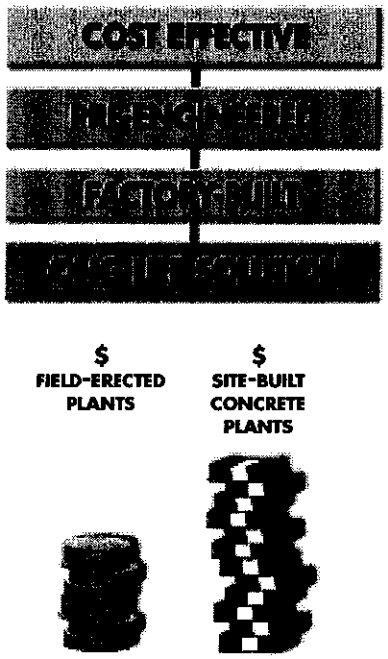
NO CLARIFIERS

FLEXIBLE PROCESS

The OMNIFLO® Sequencing Batch Reactor (SBR) process developed by USFilter's Jet Tech Products, is integral to the OMNIPAC® package plant and provides maximum efficiency combined with unparalleled flexibility. Plus, the OMNIFLO® technology eliminates many common treatment problems.

The OMNIFLO® SBR is a fill-and-draw, non-steady state activated sludge process in which one or more reactor basins are filled with wastewater—during a discrete time period—and then operates in batch mode. In a single reactor basin the OMNIFLO® SBR process accomplishes equalization, aeration, and clarification in a timed sequence. In a conventional continuous flow process, multiple structures are required to obtain the same treatment objectives.

A single cycle for each reactor consists of these five discrete periods: Fill, React, Settle, Decant, and Idle. The OMNIFLO® approach is uniquely able to handle influent flows, as well as a wide range of organic loads and industrial pollutants. The OMNIFLO® process is ideally suited for applications where nitrification, denitrification, and biological phosphorous removal are necessary.



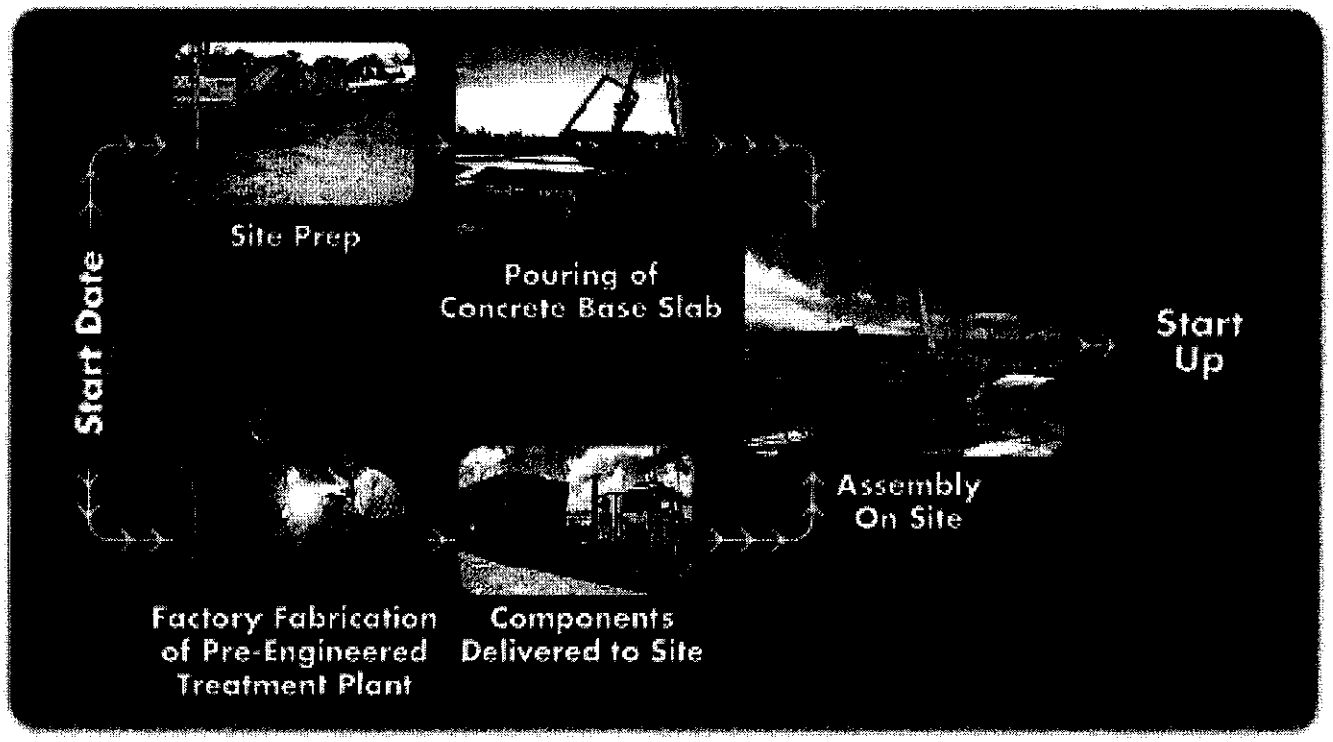
Both the capital costs and life-cycle costs of field-erected treatment plants are only a fraction of these same costs in site-built concrete plants.

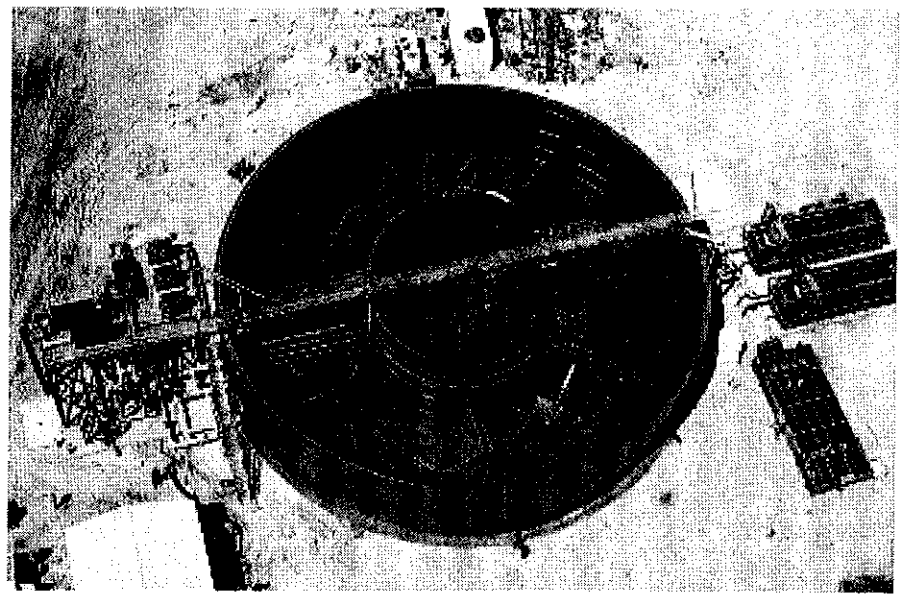
The field-erected FASTRAC™ treatment plant from USFilter's Davco Products provides a cost-effective and long-life solution to treatment plant construction. Plus, the FASTRAC™ package plant approach is considerably less capital-intensive than form-built, concrete-basin type treatment plants. This is because FASTRAC™ plants are pre-engineered and factory-built, which avoids the weather-related delays and labor-intensive conditions associated with built-in-place approaches.

The field-erected plants from USFilter's Davco Products are simpler and faster to install because they require less physical space, less yard piping and electrical conduit, less maintenance, and significantly less site preparation.

Installing a plant from Davco Products primarily requires assembling and welding together the components, then cleaning and coating the entire system as needed. Coatings will vary according to the application and the locale.

The field-erected plants from Davco Products have proven their long-life functionality and durability over decades and in all types of climatic extremes. They provide an immediate solution that outlasts other options—options which often cost many times more and take far longer to construct.





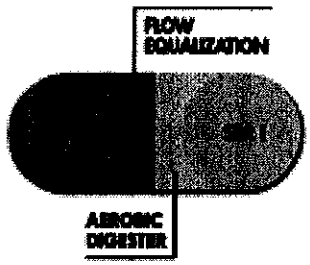
The Sequencing Batch Reactor (SBR) treatment process is ideally suited for biological nutrient removal applications, and those applications requiring high quality effluent at widely varying flows and loadings. These steel field-erected SBR systems are especially attractive where tight budget constraints and critical scheduling pressures are dominant factors.

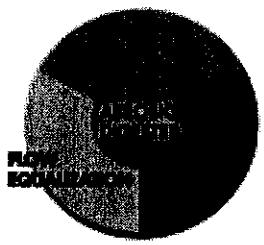
OMNIPAC® SBR package plants integrate one of the industry's most advanced treatment processes into an effective and proven package system. The result is a highly flexible and efficient treatment facility that can be operational in weeks, instead of months.

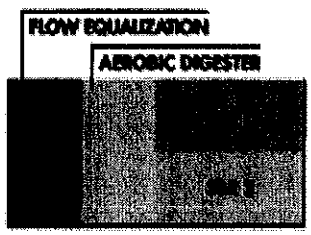
In addition, OMNIPAC® SBR Package Plants save money in many ways—both initially and over the long haul—because they eliminate the need for multiple tankage, separate clarification systems, and sludge recycle systems. Engineering and construction costs are also dramatically reduced by the use of pre-engineered components and the precision factory-fabrication of individual assemblies. In fact, USFilter maintains an experienced installation and construction crew dedicated to OMNIPAC® projects.

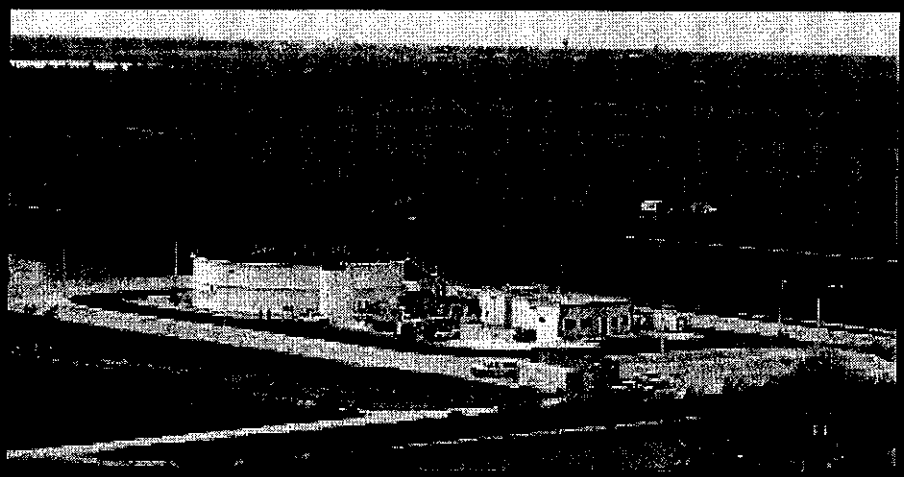
OMNIPAC® SBR Package Plants are the perfect solution for a variety of applications, including: Municipal, Food and Beverage, Pulp and Paper, Petrochemical and Oil Refining, Pharmaceutical, Chemical, Landfill/ Leachate and Textile industries.

POTENTIAL PLANT CONFIGURATIONS









OMNIPAC Field-Erected SBR installation for municipal and industrial wastewater treatment applications.

To find out more about how to put USFilter to work for you, contact us at

USFilter

Jet Tech Products
1051 Blake
Edwardsville, KS 66111
913.422.7600 *phone*
913.422.7667 *fax*
www.usfilter.com *website*

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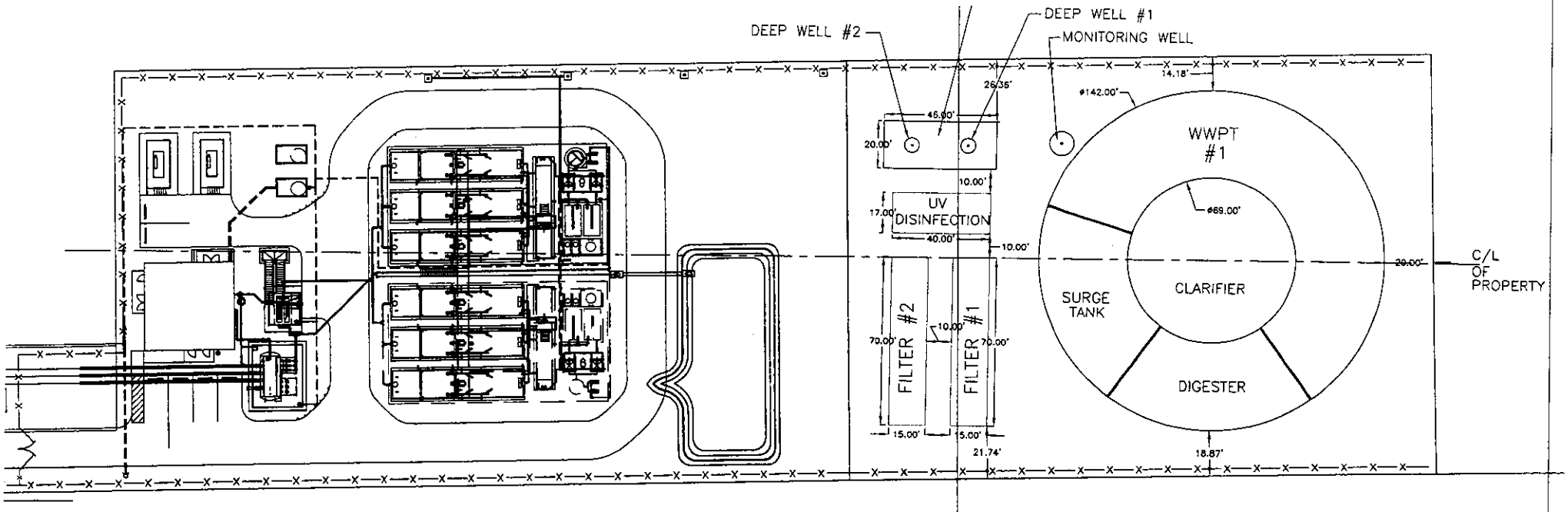
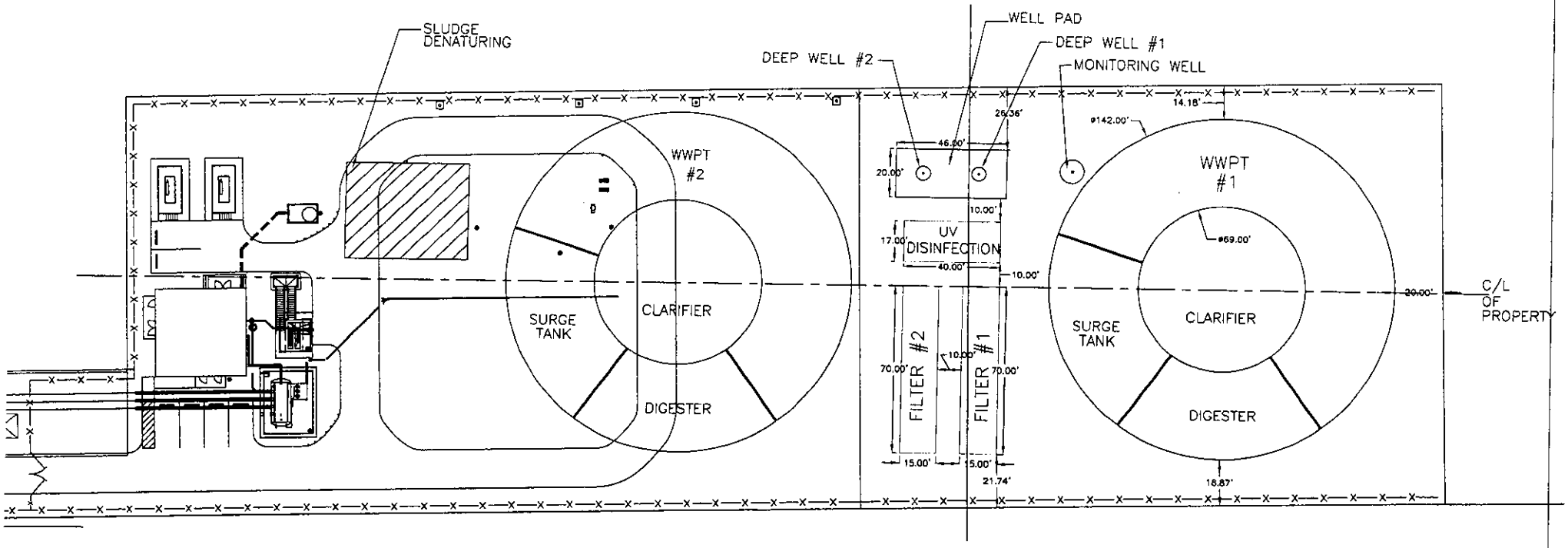
First Phase of Expansion to KLWTD 2.25 MGD WWTP



First train of WWTP (5-stage BNR shown), Both Filters and Deep Wells and Disinfection

Final Phase of Expansion to KLWTD 2.25 MGD WWTP



2.25 MGD WWTP (5-stage BNR shown), Both Filters and Deep Wells, Disinfection and Sludge Dewatering

PRELIMANRY

~~Power Point~~
~~RFQ~~ - Sexton Cove

Andy - ~~$35 million~~ Thought 20-25 million
~~More appropriate to~~ have a range

Charlie ~~1st Train~~ 1.125/Full 2.25

Jerry - ~~Hu to go Deep well~~
ED - ~~B/O All But~~ Permit 9.99

Charlie ~~Cost of Chemical~~ on SBR + BNR ED Same
NO NEGATIVE TO ENVIRONMENT

Charlie - ~~Consider permit for injection well~~ - yes
reuse - why not - DEP requires Reuse Study

Andy - ~~if wells not possible what~~
ED - ~~Aut~~ & No Chemicals

Andy ~~1st Think~~ Put Application in for More Land
Go for ~~4.2~~ 2.6 Now

GARY - Electrical - Flood ED 2ft raise All up

JERRY VARIBLE Flow - ED SBR
Recover Faster From Hurr/Salt H_2O - Same

WRITE scoop, Review, Contract to go out for RFQ

Charlie Where do we go from here

& Cost 1.8 Million

need 2 million to move forward

25 M. least amount of money

Gary - Technocial Coordination needed

Andy - Policy - Document has a range on Best Case

Tom - Eng w/d have gross estimate for comparitive cost on bids

1st 2nd

Ed does scoop / then RFQ

2/3 wks

Charlie - S RF for 1.8 mil

Andy - Eng Fees 5% Based on TOTAL COST

will Tom look at Competative Bd Process put out w/ pay of 1 mil. Geer efforts

Sexton Cove/Lake Surprise Wastewater System

Request for Qualifications

WEC Project Objectives

- Produce a Request for Qualifications for design of a wastewater system to serve the Sexton Cove/Lake Surprise Hot Spot area
- Maximize the area served assuming ~~$35 M~~ 25-35 (+/−) available funding
- Evaluate qualifications of respondents and provide ranking of engineering firms
- After Board selection of an engineering firm, provide design review services

WEC Project Tasks

- Expansion of WWTP to First Train of the 2.25 MGD Regional Plant
- Layout of Force Main System Along US-1
- Define Areas and Properties to Be Served, Staying Within the $35 M Budget

Rationale

- The cost of the WWTP expansion and the force main must be known in order to tell how much of the $35 M will be left for collection system work
- Enough customers must be connected in order to have enough flow to allow the WWTP to operate correctly. For this reason, the design will include connection of larger commercial users along US-1

Regional WWTP Sub-Tasks

- Treatment System Technology, Size and Cost (It was found that, due to Class I reliability requirements, it is more cost effective to construct the entire 2.25 MGD facility at this time)
- Deep Injection Well System Size and Cost
- Waste Activated Sludge Dewatering System Technology, Size and Cost
- Facility Site Plan (Will it all fit?)

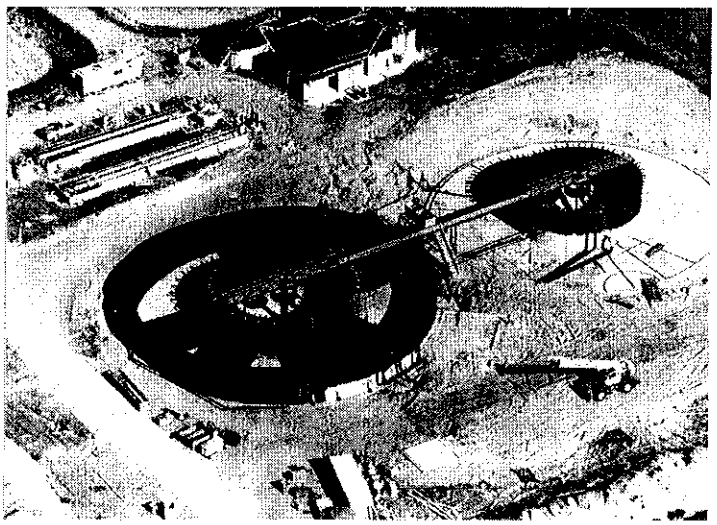
WWTP Technology

- Biological Nutrient Removal (BNR) favored for reduced use of chemicals, reducing O&M costs
- Physical size of WWTP is dependent on the technology selected.
- Field-erected pre-engineered systems are favored to reduce design and construction costs
- Ultraviolet disinfection is favored due to reduced chemical consumption and smaller footprint.

Bardenpho Process

- 5-stage BNR (Bardenpho) removes most phosphorus biologically, although some chemical precipitation may be needed
- Flow-through process, less dependent on PLC
- Larger footprint (142' diameter for each of two tanks)
- Cost Estimate - $4.4 M for 2.25 MGD system (for WWTP and filtration only)

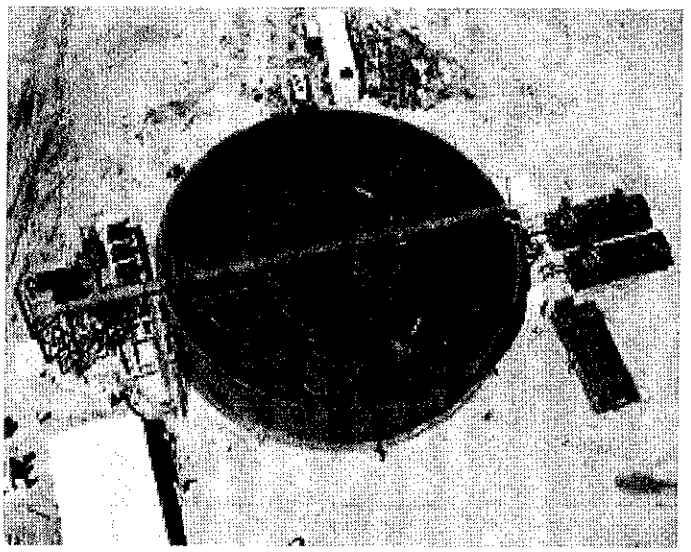
5-stage Pre-Engineered BNR WWTP under construction



SBR

- Biological phosphorus removal, but some chemical precipitation may be needed
- Batch process is dependent on PLC for operation
- Smaller footprint (125' diameter for each of two tanks)
- Cost Estimate - $3.7 M for 2.25 MGD system (WWTP and filtration only)

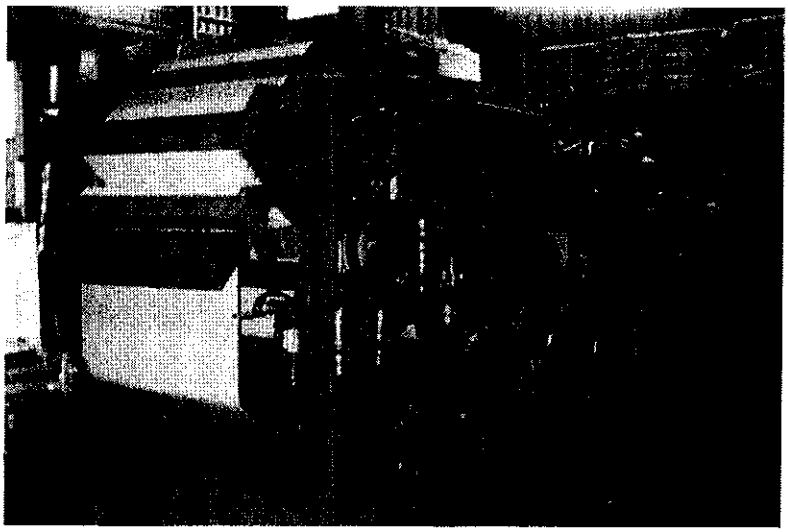
Pre-Engineered SBR Biological Nutrient Removal WWTP



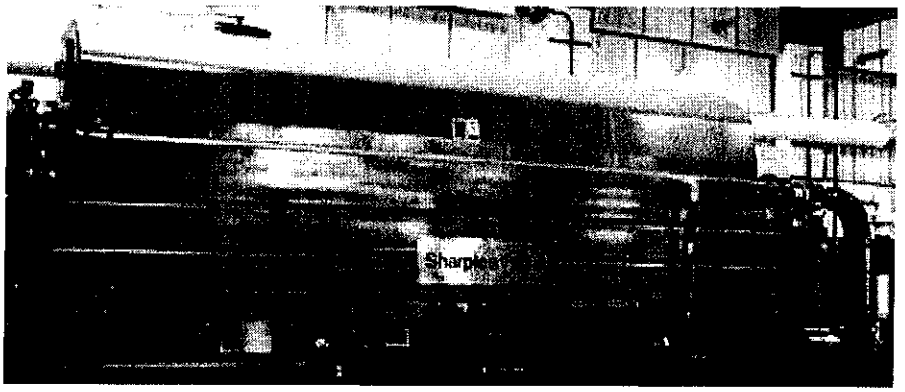
Sludge Dewatering

- Dewatering by centrifuge or belt press to 20% solids is needed to reduce sludge disposal costs
- Leasing of portable dewatering equipment will be considered
- Class B residuals suitable for land application will be produced without further treatment
- Class A residuals would require further treatment, but may be marketable
- Cost-benefit analysis of Class A residuals to be performed as part of the design project

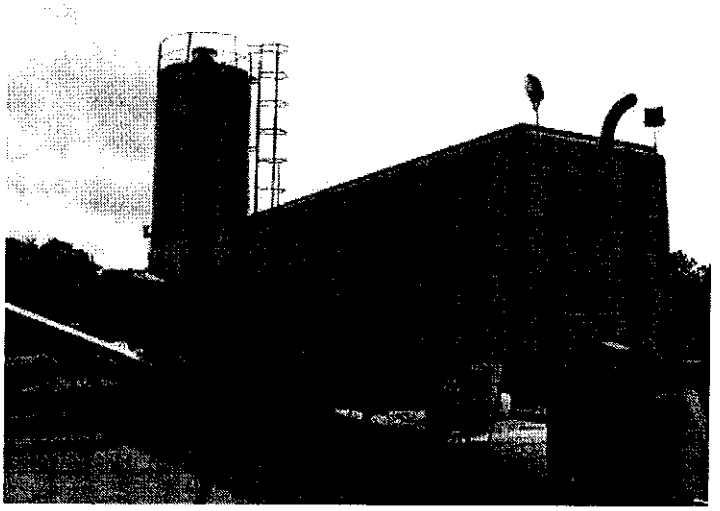
Belt Filter Press



Centrifuge



Mobile Centrifuge



Additional WWTP Site Costs

- Ultraviolet Disinfection - $0.37 M
- Foundations, site work, drainage - $3.8 M
- Emergency Generator - $0.100 M
- MCC/Operations Building - $0.50 M
- Sludge dewatering (owned) - $1.7 M

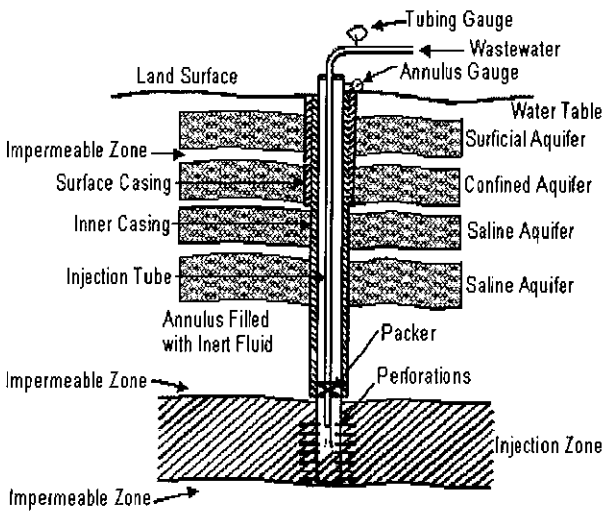
Deep Injection Wells

Deep injection wells are required for all WWTPs over 1.0 MGD. These wells are approximately 3000' feet deep. Two disposal wells and one monitoring well will be required.

Deep Injection Well

- Well diameter will be 8 – 9 inches
- Discharge will be into the Boulder Zone approximately 3000' below surface
- Well drilling rig setup takes a lot of space, so wells will need to be drilled early in the project
- If design finds that 100% reuse of effluent is feasible, only one deep well will be needed
- Cost Estimate - $6.7 M for two deep wells and one monitoring well

Typical Deep Injection Well Diagram



Summary of Components

- 2 – WWTP tanks
- 2 – Effluent Filters
- 2 – Deep Injection Wells
- 2 – UV Disinfection Systems
- 1 – Solids Dewatering Facility
- 1 – Vacuum Pump Station (KLTV)
- 1 – Expanded Motor Control Center (or 2 smaller buildings)
- 1 – Generator
- 1 – Odor Control Unit

Will It All Fit??

- 5-Stage BNR system is the largest, and it will fit, although tightly
- Narrowing the driveway to 20' would allow added room for access around the tanks
- Leasing a mobile dewatering system, or contracting sludge dewatering would free up more space

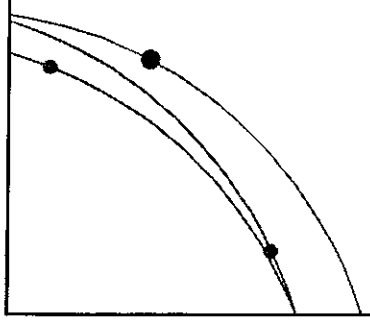
WWTP Site Total Cost

$17.6 Million

For the KLWTD Regional WWTP capable of treating all wastewater in the District

($15.2 M for SBR and Contracted Sludge Dewatering)

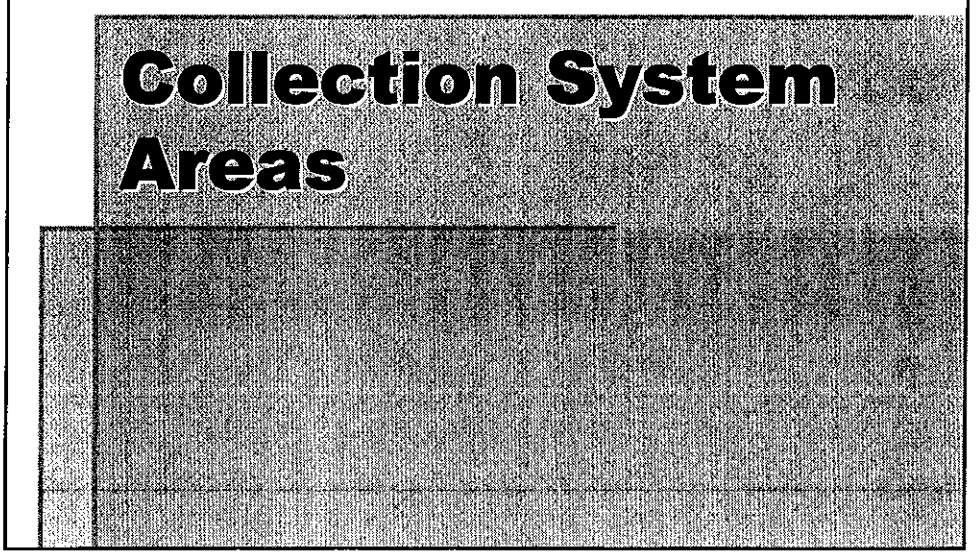
US-1 Force Main System



System Components

- 1500 Linear feet of 8" force main
- 15,200 Linear feet of 10" force main
- 14,700 Linear Feet of 12" force main
- 13 Highway crossings with 4" to 6" force main to pick up collection basins and commercial properties

System Cost - $4.6 M



Lake Surprise Area

Includes the following:

- Lake Surprise/Sexton Cove Residential (including Lake Surpise II)
- Ocean Isle Estates/Largo City Residential
- US 1 Corridor Commercial Accounts

776 Residential EDUs

24 Commercial EDUs (based on flow)

Largo Gardens Area

- Residential connections in Largo Gardens
- Design will take into consideration expansion of the collection system to include all areas of the collection basin

235 Residential EDUs

76 Commercial EDUs (based on flow)

Commercial Connections Along US-1 Corridor

Includes hotels, RV parks, Trailer Parks, Marinas, Etc. that have existing WWTPs and collection system.

1383 EDUs (based on flow, where 167 GPD = 1-EDU)

- This represents the minimum number of EDUs, Actual number of EDUs will be larger, depending on definitions adopted by KLWTD. Could be as much as double this number.

Summary

- WWTP site costs - $17.6 M
- Force Main costs - $4.8 M
- Lake Surprise area - $6.8 M
- Largo Gardens area - $4.5 M
- Design & Permitting - $1.8 M

TOTAL: $35.5 M

Note: A 15% ($5 M) contingency fund on construction costs should be budgeted

Request for Qualifications

Scope of Work

Design Components

Design and Prepare for Bid Solicitation:

- WWTP phased expansion, including treatment plant, filters, disinfection and other site work
- Deep injection wells and monitoring well
- US 1 force main system
- Collection systems and pumping stations

WWTP and Site Work Design

- A pre-engineered, field erected technology will be specified to reduce design complexity and costs
- Reuse feasibility study included as required for permitting
- Yard piping, screening, generator, MCC, foundations, etc. included in this portion of design

Sludge Dewatering

- Cost benefit analysis of District-owned system versus leased mobile system and contracted dewatering will be performed
- Cost benefit analysis of production of Class A sludge will be performed

Deep Injection Wells

- Deep injection wells will be designed for cost-effective construction
- Seamless fiberglass casing will be considered in lieu of steel
- Consider drilling alternatives (evaluate ability of oil drillers, out-of-state drillers, etc. to perform work)

Force Main System

- Design of the force main system is relatively straight forward
- Feasibility (technical and economic) of directional boring and pipe bursting will be considered
- Connection of large users and existing WWTP systems will be provided

Collection Systems

- Cost benefit for both vacuum and conventional gravity systems will be evaluated for each collection basin
- Use of existing WWTP sites for potential use as neighborhood pump station sites will be considered
- Each collection basin will be designed and documented in a manner that will allow construction at any time without sacrificing economy of scale
- It is recommended that the District consider having all areas north of the WWTP designed at this time as a cost saving measure

Questions?