

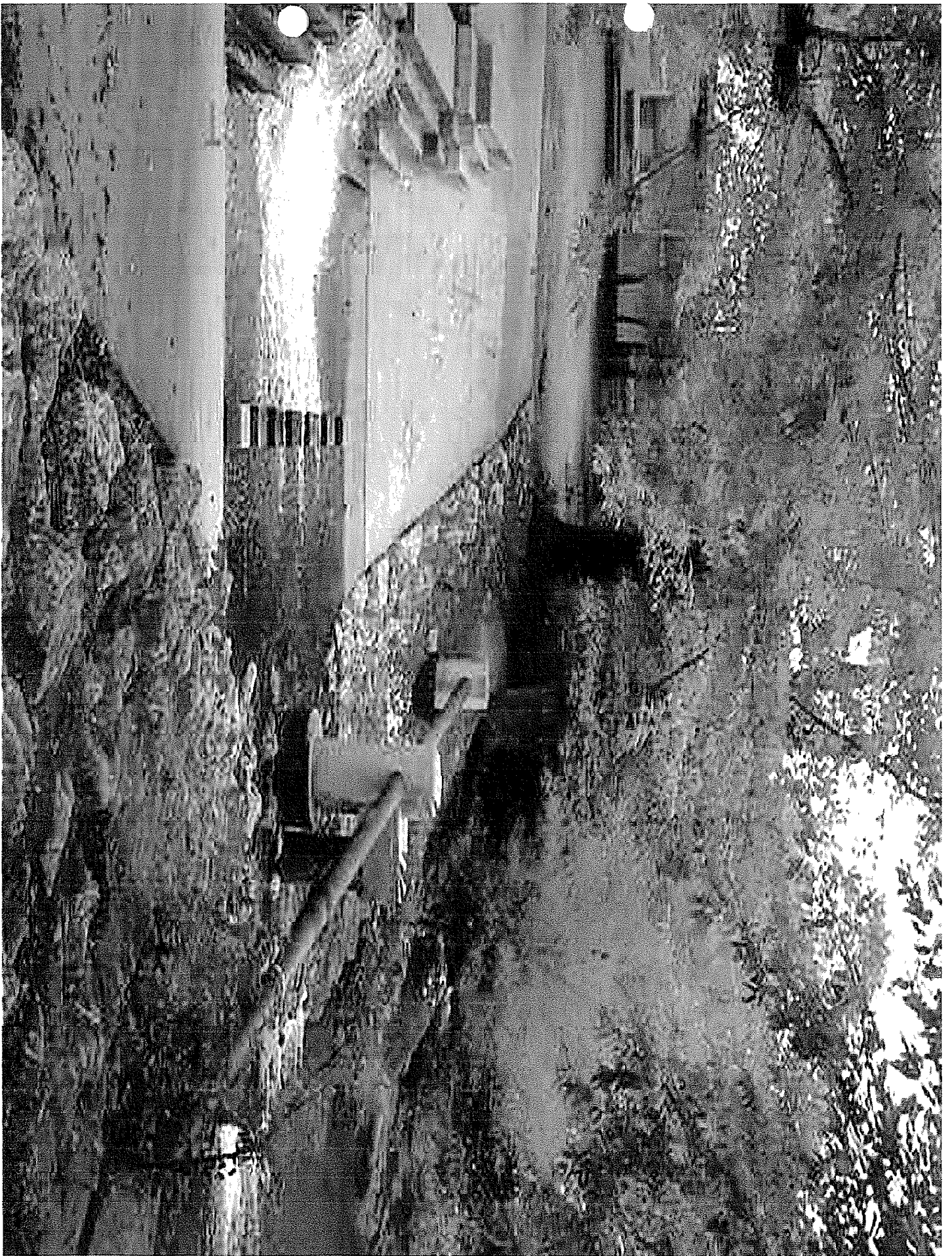
**BROOKHAVEN  
SANITARY SEWER REPLACEMENT**

**PUBLIC WORKS**









8/5/03

From  
Rouhee  
Brookhaven Club  
Project



**Sprinkler and Landscape Company, Inc.**

Landscaping ■ Grass Establishment ■ Erosion Control ■ Irrigation ■ Landscape Pavers ■ Concrete  
5749 Watagua Road ■ Fort Worth ■ TX, 76148 ■ Phone 817.577.4222 ■ Fax 817.485.1160

**Estimate Number:** 138

**Bid Due Date:** 08/05/2003

**Date:** 08/05/2003 02:44:13 PM

**Reference:** BROOKHAVEN CLUB DRIVE MEDIANS

We propose to furnish all labor, materials, equipment and services to perform the following on the above reference project.

Item #	Description	Unit	Quantity	Rate Per	Item Total
1	INSTALL TWO- 12 X 12 DRAIN BASINS, PUNCH INTO SIDE OF STORM DRAIN WITH A 1FT PIECE OF SEWER AND DRAIN PIPE. THIS BID IS FOR \$10.00 PER LF.	EA			

**Notes** **Total** \$0.00

Landscaping Exclusions:

1. Watering is NOT included.
2. General Contractor to provide a water source at job site free of charge to J&J Sprinkler and Landscape.  
(Including the cost of pumps, meters or any other expense of obtaining water at job site.)
3. No topsoil placement, root, rock or debris pickup.
4. General Contractor is to provide all traffic control, including all labor and devices.
5. J&J Sprinkler and Landscape Co., Inc. does not warranty any grass planted outside of its growing season.
6. This proposal may be withdrawn by us if not accepted within thirty (30) days.
7. General Contractors to provide all electrical to Irrigation Controllers.
8. This estimate assumes that no rock will be encountered. Should rock be encountered additional charges will apply.

Sincerely,  
Doug Johnston

**TOWN OF ADDISON  
PAYMENT AUTHORIZATION MEMO**

DATE: 6/26/03

Claim # \_\_\_\_\_

Check \$ 27,842.30

Vendor No. \_\_\_\_\_  
 Vendor Name BARSON UTILITIES, INC.  
 Address 5326 WEST LEDBETTER  
 Address DALLAS, TEXAS 75236  
 Address \_\_\_\_\_  
 Zip Code \_\_\_\_\_

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
	62	000	58210	93601		27,842.30

TOTAL \$ 27,842.30

EXPLANATION BROOKHAVEN SEWER FINAL PAYMENT,  
AS PER COUNCIL APPROVAL ON 6/24/03

Steve Chutehain  
 Authorized Signature

Finance

BARSON UTILITIES, INC.  
 5326 WEST LEDBETTER  
 DALLAS, TEXAS 75236  
 214-941-9700  
 214-941-8533 FAX

BUI JOB NO: 03-0007

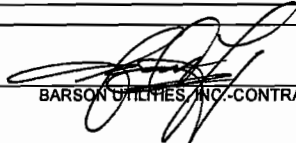
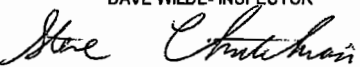
OWNER: Town of Addison  
 PROJECT: Brookhaven Club Sanitary Sewer Line  
 NUMBER OF DAYS: 95 DAYS  
 W.O. DATE: 1-13-03  
 DAYS USED: 95 Days

ESTIMATE PERIOD:  
 FINAL-RETAINAGE

PRJ. NO: N/A

CONTRACT AMT: \$ 561,303.00  
 CHANGE ORDER:  
 REVISED AMT:

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	CONTRACT VALUE	THIS REQUEST	PREVIOUS WORK	TOTAL TO DATE	THIS ESTIMATE	VALUE TO DATE
1	10" SEWER	30	LF	\$ 67.00	\$ 2,010.00			0	\$ -	\$ -
2	10" SEWER BY DIRECTIONAL	1360	LF	\$ 234.00	\$ 318,240.00		1402	1402	\$ -	\$ 328,068.00
3	6FT MANHOLE (SHEET#1)	1	EA	\$ 17,675.00	\$ 17,675.00		1	1	\$ -	\$ 17,675.00
4	6FT DIA DROP MANHOLE	2	EA	\$ 11,015.00	\$ 22,030.00		2	2	\$ -	\$ 22,030.00
5	4FT DIA MANHOLE (SHEET 3)	1	EA	\$ 4,135.00	\$ 4,135.00		2	2	\$ -	\$ 8,270.00
6	6FT DIA MANHOLE @ 6+70	1	EA	\$ 17,475.00	\$ 17,475.00		1	1	\$ -	\$ 17,475.00
7	10" SEWER BY OPEN CUT	115	LF	\$ 74.00	\$ 8,510.00		204	204	\$ -	\$ 15,098.00
8	10" SEWER BY BORE	75	LF	\$ 193.00	\$ 14,475.00			0	\$ -	\$ -
9	4FT DIA DROP MANHOLE	2	EA	\$ 4,185.00	\$ 8,370.00			0	\$ -	\$ -
10	CONCRETE PAVEMENT	10	SY	\$ 24.00	\$ 240.00			0	\$ -	\$ -
11	10" COCNRETE PAVEMENT	10	SY	\$ 82.00	\$ 820.00			0	\$ -	\$ -
12	SOD	350	SY	\$ 5.00	\$ 1,750.00		500	500	\$ -	\$ 2,500.00
13	BARRICADES	1	LS	\$ 5,000.00	\$ 5,000.00		1	1	\$ -	\$ 5,000.00
14	TRENCH SAFETY	30	LF	\$ 1.00	\$ 30.00		189	189	\$ -	\$ 189.00
15	CLEANOUT	1	EA	\$ 320.00	\$ 320.00		1	1	\$ -	\$ 320.00
16	TRENCH SAFETY FOR BORE	1	LS	\$ 200.00	\$ 200.00		1	1	\$ -	\$ 200.00
17	TRENCH SAFETY DESIGN	1	LS	\$ 400.00	\$ 400.00		1	1	\$ -	\$ 400.00
18	IRRIGATION REPAIR	1	LS	\$ 1,800.00	\$ 1,800.00		1	1	\$ -	\$ 1,800.00
19	TREE REMOVAL	8	EA	\$ 1,400.00	\$ 11,200.00		8	8	\$ -	\$ 11,200.00
20	UNDERWATER INSPECTION	1	LS	\$ 1,150.00	\$ 1,150.00		1	1	\$ -	\$ 1,150.00
21	CIPP	1010	LF	\$ 47.00	\$ 47,470.00		1010	1010	\$ -	\$ 47,470.00
22	8FT CEDAR FENCE	300	LF	\$ 32.00	\$ 9,600.00		300	300	\$ -	\$ 9,600.00
23	REMOVE RED TIP PHOTENIA	1	LS	\$ 750.00	\$ 750.00		1	1	\$ -	\$ 750.00
24	1" HMAC OVERLAY	345	SY	\$ 17.00	\$ 5,865.00		345	345	\$ -	\$ 5,865.00
25	CLEARING AND RECONST OF	1	LS	\$ 2,755.00	\$ 2,755.00		1	1	\$ -	\$ 2,755.00
26	RESTORATION OF GREENHAVEN	1	LS	\$ 2,753.00	\$ 2,753.00		1	1	\$ -	\$ 2,753.00
27	RESTORATION OF MARSH LN	1	LS	\$ 3,805.00	\$ 3,805.00		1	1	\$ -	\$ 3,805.00
28	REMOVE REPLACE 4FT WIDE COBBLESTONE	100	LF	\$ 40.00	\$ 4,000.00		100	100	\$ -	\$ 4,000.00
									\$	508,371.00
	<b>CHANGE ORDER NO.1</b>									
	MANHOLE 6+70	36	VF	\$ 1,000.00	\$ 36,000.00		36	36	\$ -	\$ 36,000.00
	TRENCH SAFETY MH 6+70	1	LS	\$ 5,675.00	\$ 5,675.00		1	1	\$ -	\$ 5,675.00
	<b>CHANGE ORDER NO.2</b>									
	ELECTRIC LINE RELOCATION	1	LS	\$ 3,800.00	\$ 3,800.00		1	1	\$ -	\$ 3,800.00
	<b>CHANGE ORDER NO.3</b>									
	DEMO SIGN AT MARSH & BROOKHAVEN	1	LS	\$ 3,000.00	\$ 3,000.00		1	1	\$ -	\$ 3,000.00
									<b>TOTAL C.O.</b>	<b>\$ 48,476.00</b>

  
 BARSON UTILITIES, INC. - CONTRACTOR DATE 6-24-03  
 DAVE WILDE - INSPECTOR DATE \_\_\_\_\_  
  
 STEVEN Z. CHUTCHIAN - ENGINEER DATE 6/24/03

TOTAL CONTRACT	\$	561,303.00
VALUE TO DATE	\$	558,846.00
LESS PREVIOUS PAY	\$	529,003.70
LESS RETAINAGE		
THIS REQUEST	\$	27,842.30



06/25/2003 15:28 FAX 2149418533

BARSON UTILITIES

001

**BARSON UTILITIES, INC.**  
**5326 W. LEDBETTER**  
**DALLAS, TX 75236**  
214-941-9700 FAX 214-941-8533

**FACSIMILE TRANSMITTAL SHEET**

<b>TO:</b> Luke Jalbert- Project Manager	<b>FROM:</b> Ramon E. Cano
<b>COMPANY:</b> Town of Addison	<b>DATE:</b> 06-25-03
<b>FAX NUMBER:</b> 972-450-2837	<b>TOTAL NO. OF PAGES INCLUDING COVER:</b> 2
<b>PHONE NUMBER:</b> 972-450-2860	<b>SENDER'S REFERENCE NUMBER:</b>
<b>RE:</b> Brookhaven Club Sanitary Sewer Line Project	<b>SUBJECT:</b> Foundation Inspection at 3805 Wooded Crest, Farmer's Branch, TX 75244

URGENT  FOR REVIEW  PLEASE COMMENT  PLEASE REPLY  PLEASE RECYCLE

NOTES/COMMENTS:

Luke,

The attached document is for your information. I will mail the original via USPS.

Call if you have questions

Ramon E. Cano  
214-941-9700 ext 11

**BARSON UTILITIES, INC.**

5326 W. LEDBETTER ♦ DALLAS, TX 75236 ♦ 214-941-9700 ♦ FAX 214-941-8533

June 25, 2003

**Town of Addison  
Attn: Luke Jalbert  
Public Works Department  
P.O. Box 9010  
Addison, Texas 75001-9010**

**Re: Brookhaven Club Sanitary Sewer Line Improvements**

**Sub: Foundation Inspection at 3805 Wooded Crest, Farmers Branch, TX 75244 by  
A&L Engineering & Consulting.**

**Mr. Jalbert,**

**The following information is for your review. It is in regards to the property of Brian Sweeney, of Farmer's Branch, Texas.**

**A&L Consulting and Engineering, Inc. has been to the property and has taken soil samples and has measured and inspected the homeowner's foundation at the above-mentioned address. Nick Manesh with A&L Engineering conducted the initial tests. Follow-up tests are to be done later this year to determine the condition of the homeowner's foundation. We will submit all tests of this analysis to the City of Addison, to your attention.**

**Thank You,  
Sam Laney**



*Shrink  
to one  
page*

*Get Wilde to Sign date estimate  
Steve - date signature  
on estimate*

DATE SUBMITTED: June 16, 2003  
FOR COUNCIL MEETING: June 24, 2003

**Council Agenda Item:**

**SUMMARY:**

This item is for final payment and acceptance of improvements performed by Barson Utilities, Inc., for construction of the Brookhaven Club Sanitary Sewer Line Project.

**FINANCIAL IMPACT:**

Budgeted Amount:	\$550,000.00
Final Construction Cost:	\$556,846.00
Source of Funds:	Funds are available from FY 2002-03 Water and Sewer Fund, as indicated in the Five Year Capital Replacement Program.

**BACKGROUND:**

The Public Works Department established a need for the rehabilitation of an existing 10" sanitary sewer main adjacent to Brookhaven Club Drive. In addition, a new 10" sanitary sewer main was constructed at this location, in order to eliminate an aerial line that crosses Farmers Branch Creek, and to provide added wastewater flow capacity. A contract was awarded to Barson Utilities, Inc. for construction of this project. The original contract price for these improvements was \$512,828.00. The final construction cost of this project was \$556,846.00, which represents a \$44,018.00 increase from the original contract amount. The increased cost was substantially due to a \$41,675.00 construction change order, which was the result of a field determination that an additional 30 ft. deep manhole was necessary for future maintenance needs adjacent to an existing town home property. This manhole was in close proximity to the foundation of the town home, and the contractor had to construct it in a limited work zone with low overhead power lines. Normal drilling equipment could not be used. Consequently, the manhole was hand mined and new outer walls constructed in concrete lifts. In addition, this project included an incentive/disincentive provision, whereby; the contractor would be awarded \$1,000.00 per day for early completion of the project, to a maximum award of \$25,000. The Town acknowledged the successful completion of the construction improvements within the contractual time limit. However, the contractor did not qualify for any incentive payment.

The contractor has submitted his Affidavit of Bills Paid, Consent of Surety Company to Final Payment, and One-Year Maintenance Bond.

**RECOMMENDATION:**

Staff recommends that Council authorize final payment of \$27,842.30 to Barson Utilities, Inc., and accept construction of the Brookhaven Club Sanitary Sewer Line Project.

BARSON UTILITIES, INC.  
 5326 WEST LEDBETTER  
 DALLAS, TEXAS 75236  
 214-941-9700  
 214-941-8533 FAX

BUI JOB NO: 03-0007


OWNER: Town of Addison  
 PROJECT: Brookhaven Club Sanitary Sewer Line  
 NUMBER OF DAYS: 95 DAYS  
 W.O. DATE: 1-13-03  
 DAYS USED: 95 Days

ESTIMATE PERIOD:  
 FINAL-RETAINAGE

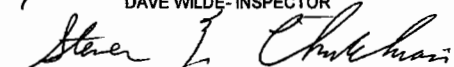
PRJ. NO: N/A

CONTRACT AMT: \$ 512,828.00  
 CHANGE ORDER: \$ 38,800.00  
 REVISED AMT: \$ 551,628.00

ITEM	DESCRIPTION	QTY	UNIT M/S	UNIT PRICE	CONTRACT VALUE	THIS REQUEST	PREVIOUS WORK	TOTAL TO DATE	THIS ESTIMATE	VALUE TO DATE
1	10" SEWER	30	LF	\$ 67.00	\$ 2,010.00			0	\$ -	\$ -
2	10" SEWER BY DIRECTIONAL	1380	LF	\$ 234.00	\$ 318,240.00		1442	1442	\$ -	\$ 337,428.00
3	6FT MANHOLE (SHEET#1)	1	EA	\$ 17,675.00	\$ 17,675.00		1	1	\$ -	\$ 17,675.00
4	6FT DIA DROP MANHOLE	2	EA	\$ 11,015.00	\$ 22,030.00		2	2	\$ -	\$ 22,030.00
5	4FT DIA MANHOLE (SHEET 3)	1	EA	\$ 4,135.00	\$ 4,135.00		2	2	\$ -	\$ 8,270.00
6	6FT DIA MANHOLE @ 6+70	1	EA	\$ 17,475.00	\$ 17,475.00		1	1	\$ -	\$ 17,475.00
7	10" SEWER BY OPEN CUT	115	LF	\$ 74.00	\$ 8,510.00		208	208	\$ -	\$ 15,392.00
8	10" SEWER BY BORE	75	LF	\$ 193.00	\$ 14,475.00			0	\$ -	\$ -
9	4FT DIA DROP MANHOLE	2	EA	\$ 4,185.00	\$ 8,370.00			0	\$ -	\$ -
10	CONCRETE PAVEMENT	10	SY	\$ 24.00	\$ 240.00			0	\$ -	\$ -
11	10" COCNRETE PAVEMENT	10	SY	\$ 82.00	\$ 820.00			0	\$ -	\$ -
12	SOD	350	SY	\$ 5.00	\$ 1,750.00		500	500	\$ -	\$ 2,500.00
13	BARRICADES	1	LS	\$ 5,000.00	\$ 5,000.00		1	1	\$ -	\$ 5,000.00
14	TRENCH SAFETY	30	LF	\$ 1.00	\$ 30.00		208	208	\$ -	\$ 208.00
15	CLEANOUT	1	EA	\$ 320.00	\$ 320.00		1	1	\$ -	\$ 320.00
16	TRENCH SAFETY FOR BORE	1	LS	\$ 200.00	\$ 200.00		1	1	\$ -	\$ 200.00
17	TRENCH SAFETY DESIGN	1	LS	\$ 400.00	\$ 400.00		1	1	\$ -	\$ 400.00
18	IRRIGATION REPAIR	1	LS	\$ 1,800.00	\$ 1,800.00		1	1	\$ -	\$ 1,800.00
19	TREE REMOVAL	8	EA	\$ 1,400.00	\$ 11,200.00		8	8	\$ -	\$ 11,200.00
20	UNDERWATER INSPECTION	1	LS	\$ 1,150.00	\$ 1,150.00		1	1	\$ -	\$ 1,150.00
21	CIPP	1010	LF	\$ 47.00	\$ 47,470.00		1010	1010	\$ -	\$ 47,470.00
22	8FT CEDAR FENCE	300	LF	\$ 32.00	\$ 9,600.00		300	300	\$ -	\$ 9,600.00
23	REMOVE RED TIP PHOTENIA	1	LS	\$ 750.00	\$ 750.00		1	1	\$ -	\$ 750.00
24	1" HMAC OVERLAY	345	SY	\$ 17.00	\$ 5,865.00		345	345	\$ -	\$ 5,865.00
25	CLEARING AND RECONST OF	1	LS	\$ 2,755.00	\$ 2,755.00		1	1	\$ -	\$ 2,755.00
26	RESTORATION OF GREENHAVEN	1	LS	\$ 2,753.00	\$ 2,753.00		1	1	\$ -	\$ 2,753.00
27	RESTORATION OF MARSH LN	1	LS	\$ 3,805.00	\$ 3,805.00		1	1	\$ -	\$ 3,805.00
28	REMOVE REPLACE 4FT WIDE COBBLESTONE	100	LF	\$ 40.00	\$ 4,000.00		100	100	\$ -	\$ 4,000.00
									\$	\$ 618,046.00
	<b>CHANGE ORDER NO.1</b>									
	MANHOLE 6+70	27	VF	\$ 1,000.00	\$ 27,000.00		27	27	\$ -	\$ 27,000.00
	TRENCH SAFTEY MH 6+70	1	LS	\$ 5,000.00	\$ 5,000.00		1	1	\$ -	\$ 5,000.00
	<b>CHANGE ORDER NO.2</b>									
	ELECTRIC LINE RELOCATION	1	LS	\$ 3,800.00	\$ 3,800.00		1	1	\$ -	\$ 3,800.00
	<b>CHANGE ORDER NO.3</b>									
	DEMO SIGN AT MARSH & BROOKHAVEN	1	LS	\$ 3,000.00	\$ 3,000.00		1	1	\$ -	\$ 3,000.00
									<b>TOTAL C.O.</b>	<b>\$ 38,800.00</b>

  
 BARSON UTILITIES, INC.-CONTRACTOR

6-13-03  
 DATE

DAVE WILDE-INSPECTOR  
  
 STEVEN Z. CHUTCHAN-ENGINEER

DATE  
 6/13/03  
 DATE

TOTAL CONTRACT	\$	551,628.00
VALUE TO DATE	\$	556,846.00
LESS PREVIOUS PAY	\$	529,003.70
LESS RETAINAGE		
THIS REQUEST	\$	27,842.30

Passed  
6-24-03

#26-1

Council Agenda Item: #26

**SUMMARY:**

This item is for final payment and acceptance of improvements performed by Barson Utilities, Inc., for construction of the Brookhaven Club Sanitary Sewer Line Project.

**FINANCIAL IMPACT:**

Budgeted Amount:	\$550,000.00
Final Construction Cost:	\$556,846.00
Source of Funds:	Funds are available from FY 2002-03 Water and Sewer Fund, as indicated in the Five Year Capital Replacement Program.

**BACKGROUND:**

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**RECOMMENDATION:**

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BARSON UTILITIES, INC.  
 5328 WEST LEDBETTER  
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 214-941-9700  
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BUI JOB NO: 03-0007

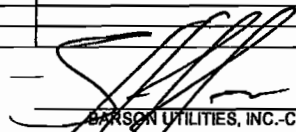
OWNER: Town of Addison  
 PROJECT: Brookhaven Club Sanitary Sewer Line  
 NUMBER OF DAYS: 95 DAYS  
 W.O. DATE: 1-13-03  
 DAYS USED: 95 Days

ESTIMATE PERIOD:  
 FINAL-RETAINAGE

PRJ. NO: N/A

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 CHANGE ORDER: \$ 38,800.00  
 REVISED AMT: \$ 551,628.00

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3	8FT MANHOLE (SHEET#1)	1	EA	\$ 17,875.00	\$ 17,875.00		1	1	\$ -	\$ 17,875.00
4	8FT DIA DROP MANHOLE	2	EA	\$ 11,015.00	\$ 22,030.00		2	2	\$ -	\$ 22,030.00
5	4FT DIA MANHOLE (SHEET 3)	1	EA	\$ 4,135.00	\$ 4,135.00		2	2	\$ -	\$ 8,270.00
6	8FT DIA MANHOLE @ 6+70	1	EA	\$ 17,475.00	\$ 17,475.00		1	1	\$ -	\$ 17,475.00
7	10" SEWER BY OPEN CUT	115	LF	\$ 74.00	\$ 8,510.00		208	208	\$ -	\$ 15,392.00
8	10" SEWER BY BORE	75	LF	\$ 193.00	\$ 14,475.00			0	\$ -	\$ -
9	4FT DIA DROP MANHOLE	2	EA	\$ 4,185.00	\$ 8,370.00			0	\$ -	\$ -
10	CONCRETE PAVEMENT	10	SY	\$ 24.00	\$ 240.00			0	\$ -	\$ -
11	10" COCNRETE PAVEMENT	10	SY	\$ 82.00	\$ 820.00			0	\$ -	\$ -
12	SOD	350	SY	\$ 5.00	\$ 1,750.00		500	500	\$ -	\$ 2,500.00
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14	TRENCH SAFETY	30	LF	\$ 1.00	\$ 30.00		208	208	\$ -	\$ 208.00
15	CLEANOUT	1	EA	\$ 320.00	\$ 320.00		1	1	\$ -	\$ 320.00
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17	TRENCH SAFETY DESIGN	1	LS	\$ 400.00	\$ 400.00		1	1	\$ -	\$ 400.00
18	IRRIGATION REPAIR	1	LS	\$ 1,800.00	\$ 1,800.00		1	1	\$ -	\$ 1,800.00
19	TREE REMOVAL	8	EA	\$ 1,400.00	\$ 11,200.00		8	8	\$ -	\$ 11,200.00
20	UNDERWATER INSPECTION	1	LS	\$ 1,150.00	\$ 1,150.00		1	1	\$ -	\$ 1,150.00
21	CIPP	1010	LF	\$ 47.00	\$ 47,470.00		1010	1010	\$ -	\$ 47,470.00
22	8FT CEDAR FENCE	300	LF	\$ 32.00	\$ 9,600.00		300	300	\$ -	\$ 9,600.00
23	REMOVE RED TIP PHOTENIA	1	LS	\$ 750.00	\$ 750.00		1	1	\$ -	\$ 750.00
24	1" HMAC OVERLAY	345	SY	\$ 17.00	\$ 5,865.00		345	345	\$ -	\$ 5,865.00
25	CLEARING AND RECONST OF	1	LS	\$ 2,755.00	\$ 2,755.00		1	1	\$ -	\$ 2,755.00
26	RESTORATION OF GREENHAVEN	1	LS	\$ 2,753.00	\$ 2,753.00		1	1	\$ -	\$ 2,753.00
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	TRENCH SAFTEY MH 6+70	1	LS	\$ 5,000.00	\$ 5,000.00		1	1	\$ -	\$ 5,000.00
	CHANGE ORDER NO.2									
	ELECTRIC LINE RELOCATION	1	LS	\$ 3,800.00	\$ 3,800.00		1	1	\$ -	\$ 3,800.00
	CHANGE ORDER NO.3									
	DEMO SIGN AT MARSH & BROOKHAVEN	1	LS	\$ 3,000.00	\$ 3,000.00		1	1	\$ -	\$ 3,000.00
									TOTAL C.O.	\$ 38,800.00

  
 BARSON UTILITIES, INC.-CONTRACTOR

6-13-03  
 DATE

DAVE WILDE-INSPECTOR  
  
 STEVEN Z. CHMICHIAN-ENGINEER  
 DATE 6/13/03

TOTAL CONTRACT	\$	551,628.00
VALUE TO DATE	\$	556,846.00
LESS PREVIOUS PAY	\$	529,003.70
LESS RETAINAGE		
THIS REQUEST	\$	27,842.30

#202

BARSON UTILITIES

06/24/2003 12:54 FAX 2149418533

BARSON UTILITIES, INC.  
5326 WEST LEDBETTER  
DALLAS, TEXAS 75236  
214-941-9700  
214-941-8533 FAX

BUI JOB NO: 03-0007

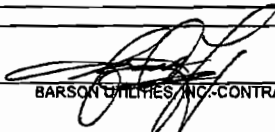
PRJ. NO: N/A


OWNER: Town of Addison  
PROJECT: Brookhaven Club Sanitary Sewer Line  
NUMBER OF DAYS: 95 DAYS  
W.O. DATE: 1-13-03  
DAYS USED: 95 Days


ESTIMATE PERIOD:  
FINAL-RETAINAGE

CONTRACT AMT: \$ 561,303.00  
CHANGE ORDER:  
REVISED AMT:

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	CONTRACT VALUE	THIS REQUEST	PREVIOUS WORK	TOTAL TO DATE	THIS ESTIMATE	VALUE TO DATE
1	10" SEWER	30	LF	\$ 67.00	\$ 2,010.00			0	\$ -	\$ -
2	10" SEWER BY DIRECTIONAL	1360	LF	\$ 234.00	\$ 318,240.00		1402	1402	\$ -	\$ 328,068.00
3	6FT MANHOLE (SHEET#1)	1	EA	\$ 17,675.00	\$ 17,675.00		1	1	\$ -	\$ 17,675.00
4	6FT DIA DROP MANHOLE	2	EA	\$ 11,015.00	\$ 22,030.00		2	2	\$ -	\$ 22,030.00
5	4FT DIA MANHOLE (SHEET 3)	1	EA	\$ 4,135.00	\$ 4,135.00		2	2	\$ -	\$ 8,270.00
6	8FT DIA MANHOLE @ 6+70	1	EA	\$ 17,475.00	\$ 17,475.00		1	1	\$ -	\$ 17,475.00
7	10" SEWER BY OPEN CUT	115	LF	\$ 74.00	\$ 8,510.00		204	204	\$ -	\$ 15,096.00
8	10" SEWER BY BORE	75	LF	\$ 193.00	\$ 14,475.00			0	\$ -	\$ -
9	4FT DIA DROP MANHOLE	2	EA	\$ 4,185.00	\$ 8,370.00			0	\$ -	\$ -
10	CONCRETE PAVEMENT	10	SY	\$ 24.00	\$ 240.00			0	\$ -	\$ -
11	10" COCNRETE PAVEMENT	10	SY	\$ 82.00	\$ 820.00			0	\$ -	\$ -
12	SOD	350	SY	\$ 5.00	\$ 1,750.00		500	500	\$ -	\$ 2,500.00
13	BARRICADES	1	LS	\$ 5,000.00	\$ 5,000.00		1	1	\$ -	\$ 5,000.00
14	TRENCH SAFETY	30	LF	\$ 1.00	\$ 30.00		189	189	\$ -	\$ 189.00
15	CLEANOUT	1	EA	\$ 320.00	\$ 320.00		1	1	\$ -	\$ 320.00
16	TRENCH SAFETY FOR BORE	1	LS	\$ 200.00	\$ 200.00		1	1	\$ -	\$ 200.00
17	TRENCH SAFETY DESIGN	1	LS	\$ 400.00	\$ 400.00		1	1	\$ -	\$ 400.00
18	IRRIGATION REPAIR	1	LS	\$ 1,800.00	\$ 1,800.00		1	1	\$ -	\$ 1,800.00
19	TREE REMOVAL	8	EA	\$ 1,400.00	\$ 11,200.00		8	8	\$ -	\$ 11,200.00
20	UNDERWATER INSPECTION	1	LS	\$ 1,150.00	\$ 1,150.00		1	1	\$ -	\$ 1,150.00
21	CIPP	1010	LF	\$ 47.00	\$ 47,470.00		1010	1010	\$ -	\$ 47,470.00
22	8FT CEDAR FENCE	300	LF	\$ 32.00	\$ 9,600.00		300	300	\$ -	\$ 9,600.00
23	REMOVE RED TIP PHOTENIA	1	LS	\$ 750.00	\$ 750.00		1	1	\$ -	\$ 750.00
24	1" HMAC OVERLAY	345	SY	\$ 17.00	\$ 5,865.00		345	345	\$ -	\$ 5,865.00
25	CLEARING AND RECONST OF	1	LS	\$ 2,755.00	\$ 2,755.00		1	1	\$ -	\$ 2,755.00
26	RESTORATION OF GREENHAVEN	1	LS	\$ 2,753.00	\$ 2,753.00		1	1	\$ -	\$ 2,753.00
27	RESTORATION OF MARSH LN	1	LS	\$ 3,805.00	\$ 3,805.00		1	1	\$ -	\$ 3,805.00
28	REMOVE REPLACE 4FT WIDE COBBLESTONE	100	LF	\$ 40.00	\$ 4,000.00		100	100	\$ -	\$ 4,000.00
<b>CHANGE ORDER NO.1</b>										
	MANHOLE 6+70	36	VF	\$ 1,000.00	\$ 36,000.00		36	36	\$ -	\$ 36,000.00
	TRENCH SAFETY MH 6+70	1	LS	\$ 5,675.00	\$ 5,675.00		1	1	\$ -	\$ 5,675.00
<b>CHANGE ORDER NO.2</b>										
	ELECTRIC LINE RELOCATION	1	LS	\$ 3,800.00	\$ 3,800.00		1	1	\$ -	\$ 3,800.00
<b>CHANGE ORDER NO.3</b>										
	DEMO SIGN AT MARSH & BROOKHAVEN	1	LS	\$ 3,000.00	\$ 3,000.00		1	1	\$ -	\$ 3,000.00
<b>TOTAL C.O.</b>									<b>\$</b>	<b>48,475.00</b>

  
BARSON UTILITIES, INC. - CONTRACTOR  
DATE: 6-24-03

  
DAVE WILDE - INSPECTOR  
DATE: 6/24/03

  
STEVEN Z. CHUTOSHIAN - ENGINEER  
DATE: 6/24/03

TOTAL CONTRACT	\$	561,303.00
VALUE TO DATE	\$	556,848.00
LESS PREVIOUS PAY	\$	529,033.70
LESS RETAINAGE		
THIS REQUEST	\$	27,842.30



#R11-1

Passed  
6-24-03

Council Agenda Item: #R11

**SUMMARY:**

This item is for the award of a contract to Jim Bowman Construction Co., L.P., in the amount of \$438,778.10, for construction of the Inwood/South Quorum Access, Phase II: Inwood Connection Project.

**FINANCIAL IMPACT:**

Budgeted Amount: This project is funded from a \$3.6 million bond issue. \$2.225 million has been spent to date, leaving \$1.375 to complete Phase II of the project.

Construction Cost: \$438,778.10

**BACKGROUND:**

Phase I of this project, which connects South Quorum Drive and Landmark drive with a roadway into the Princeton and Wellington Buildings, was previously completed. Phase II of the project will connect South Quorum and Landmark Drives to Inwood Road, and includes a crossing of the DGNO Railroad. The firm of Parsons Transportation Group, Inc. prepared engineering plans and specifications for construction of these improvements.

Attached is a bid tabulation for this project. The bid proposal for construction was structured to provide an incentive/disincentive method of bidding the improvements. Specifically, each bid submitted was required to consist of two parts whereby:

- a. The Contractor submits a standard bid (A), which is the summation of the products of the estimated quantities shown in the proposal, multiplied by their bid unit prices.
- b. In addition, the Contractor submits a time bid (B), which is the product of the number of calendar days required to construct the project, determined by the Contractor, and the Daily Value established by the Town. The Daily Value was established in the contract at \$1,000. The number of calendar days is intended to include inclement weather, holidays, etc.

The lowest bid (Total) for award of the contract was determined as the lowest sum of the standard bid (A) plus time bid (B). The contract establishes the actual contract amount

for payment to the successful contractor to be the value indicated in the standard bid (A). Also included in the bidding process was a provision whereby the Contractor is awarded an incentive payment if construction is completed prior to the number of calendar days he submitted. The total amount of the incentive is the product of the Daily Value (\$1,000) and number of days the Contractor completes the project prior to the established contract time. Accordingly, the contract provides for a disincentive amount to be established based on the product of the Daily Value (\$1,000) and amount of time that the Contractor exceeds the established contract time. The total incentive payment cannot exceed \$25,000. However, there is no limit to the amount of disincentive reduction (same as liquidated damages) from the Contractor's final payment that the Town will impose for going over the contract time limit.

Jim Bowman Construction Co, L.P. submitted the lowest Total bid (A + B), in the amount of \$578,778.10 and 140 calendar days. The actual amount of the standard bid (A) recommended for award is \$438,778.10. This amount is within the engineering estimate of \$450,000. In addition, the Engineer estimated that it would take approximately 150 calendar days to complete a project of this magnitude and complexity. The number of calendar days submitted by Jim Bowman Construction Co. L.P. (140 calendar days) represents a potential reduction of total construction time by approximately 10 days. The contractor is well known and has completed many successful projects for the Town of Addison.

**RECOMMENDATION:**

Staff recommends that Council authorize the City Manager to enter into a contract with Jim Bowman Construction Co., L.P., in the amount of \$438,778.10, for the Inwood/South Quorum Access, Phase II: Inwood Connection Project.

**Inwood/South Quorum Access phase II: Inwood Connection  
 BID NO 03-20**

**DUE: June 10, 2003**

**2:30 PM**

BIDDER	SIGNED	Bid Bond	a1	(A) Standard Bid	calendar days	(B) calendar Days x 1000	Total (A+B)
Rebcon	y	y	y	\$477,482.40	120	\$120,000.00	\$597,482.40
Tiseo	y	y	y	\$474,224.80	120	\$120,000.00	\$594,224.80
Jim Bowman	y	y	y	\$438,778.10	140	\$140,000.00	\$578,778.10
Gibson and Associates	y	y	y	\$510,207.69	100	\$100,000.00	\$610,207.69
Ed A Wilson	y	y	y	\$493,868.85	180	\$180,000.00	\$673,868.85

*Minok Suh*

---

Minok Suh, Purchasing Coordinator

*Corey Gayden*

---

Corey Gayden, Witness

#R11-2

**TOWN OF ADDISON  
PAYMENT AUTHORIZATION MEMO**

DATE: 6/13/03

Claim # \_\_\_\_\_

Check \$ 119,242.10

Vendor No. \_\_\_\_\_

Vendor Name BARSON UTILITIES, INC.

Address 5326 W. LEDBETTER

Address DALLAS, TEXAS 75236

Address \_\_\_\_\_

Zip Code \_\_\_\_\_

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
<u>03-0007</u>	<u>62</u>	<u>000</u>	<u>58210</u>	<u>93601</u>		<u>119,242.10</u>

TOTAL \$ 119,242.10

EXPLANATION CONSTRUCTION OF BROOKHAGEN SEWER  
REHAB PROJECT.

Steve Chatham  
Authorized Signature

Finance

BARSON UTILITIES, INC.  
5328 WEST LEDBETTER  
DALLAS, TEXAS 75238  
214-941-9700  
214-941-8533 FAX

BUI JOB NO: 03-0007

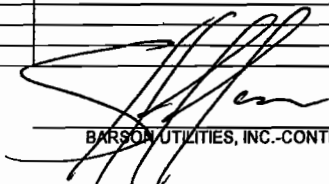
OWNER: Town of Addison  
PROJECT: Brookhaven Club Sanitary Sewer Line  
NUMBER OF DAYS: 95 DAYS  
W.O. DATE: 1-13-03  
DAYS USED: 78 Days

ESTIMATE PERIOD:  
Estimate No: 3  
April 1, 2003 to April 30, 2003

PRJ. NO: N/A

CONTRACT AMT: \$ 512,828.00  
CHANGE ORDER: \$ 38,800.00  
REVISED AMT: \$ 551,628.00

ITEM	DESCRIPTION	QTY	UNIT M/S	UNIT PRICE	CONTRACT VALUE	THIS REQUEST	PREVIOUS WORK	TOTAL TO DATE	THIS ESTIMATE	VALUE TO DATE
1	10" SEWER	30	LF	\$ 67.00	\$ 2,010.00			0	\$ -	\$ -
2	10" SEWER BY DIRECTIONAL	1380	LF	\$ 234.00	\$ 318,240.00		1442	1442	\$ -	\$ 337,428.00
3	6FT MANHOLE (SHEET#1)	1	EA	\$ 17,675.00	\$ 17,675.00		1	1	\$ -	\$ 17,675.00
4	6FT DIA DROP MANHOLE	2	EA	\$ 11,015.00	\$ 22,030.00		2	2	\$ -	\$ 22,030.00
5	4FT DIA MANHOLE (SHEET 3)	1	EA	\$ 4,135.00	\$ 4,135.00		2	2	\$ -	\$ 8,270.00
6	6FT DIA MANHOLE @ 6+70	1	EA	\$ 17,475.00	\$ 17,475.00	1		1	\$ 17,475.00	\$ 17,475.00
7	10" SEWER BY OPEN CUT	115	LF	\$ 74.00	\$ 8,510.00		208	208	\$ -	\$ 15,392.00
8	10" SEWER BY BORE	75	LF	\$ 193.00	\$ 14,475.00			0	\$ -	\$ -
9	4FT DIA DROP MANHOLE	2	EA	\$ 4,185.00	\$ 8,370.00			0	\$ -	\$ -
10	CONCRETE PAVEMENT	10	SY	\$ 24.00	\$ 240.00			0	\$ -	\$ -
11	10" COCNRTE PAVEMENT	10	SY	\$ 82.00	\$ 820.00			0	\$ -	\$ -
12	SOD	350	SY	\$ 5.00	\$ 1,750.00		500	500	\$ -	\$ 2,500.00
13	BARRICADES	1	LS	\$ 5,000.00	\$ 5,000.00		1	1	\$ -	\$ 5,000.00
14	TRENCH SAFETY	30	LF	\$ 1.00	\$ 30.00		208	208	\$ -	\$ 208.00
15	CLEANOUT	1	EA	\$ 320.00	\$ 320.00		1	1	\$ -	\$ 320.00
16	TRENCH SAFETY FOR BORE	1	LS	\$ 200.00	\$ 200.00		1	1	\$ -	\$ 200.00
17	TRENCH SAFETY DESIGN	1	LS	\$ 400.00	\$ 400.00		1	1	\$ -	\$ 400.00
18	IRRIGATION REPAIR	1	LS	\$ 1,800.00	\$ 1,800.00	1		1	\$ 1,800.00	\$ 1,800.00
19	TREE REMOVAL	8	EA	\$ 1,400.00	\$ 11,200.00		8	8	\$ -	\$ 11,200.00
20	UNDERWATER INSPECTION	1	LS	\$ 1,150.00	\$ 1,150.00		1	1	\$ -	\$ 1,150.00
21	CIPP	1010	LF	\$ 47.00	\$ 47,470.00	1010		1010	\$ 47,470.00	\$ 47,470.00
22	8FT CEDAR FENCE	300	LF	\$ 32.00	\$ 9,600.00	300		300	\$ 9,600.00	\$ 9,600.00
23	REMOVE RED TIP PHOTENIA	1	LS	\$ 750.00	\$ 750.00	1		1	\$ 750.00	\$ 750.00
24	1" HMAC OVERLAY	345	SY	\$ 17.00	\$ 5,865.00	345		345	\$ 5,865.00	\$ 5,865.00
25	CLEARING AND RECONST OF	1	LS	\$ 2,755.00	\$ 2,755.00		1	1	\$ -	\$ 2,755.00
26	RESTORATION OF GREENHAVEN	1	LS	\$ 2,753.00	\$ 2,753.00	1		1	\$ 2,753.00	\$ 2,753.00
27	RESTORATION OF MARSH LN	1	LS	\$ 3,805.00	\$ 3,805.00	1		1	\$ 3,805.00	\$ 3,805.00
28	REMOVE REPLACE 4FT WIDE COBBLESTONE	100	LF	\$ 40.00	\$ 4,000.00	100		100	\$ 4,000.00	\$ 4,000.00
										\$ 518,048.00
<b>CHANGE ORDER NO.1</b>										
	MANHOLE 6+70	27	VF	\$ 1,000.00	\$ 27,000.00	27		27	\$ 27,000.00	\$ 27,000.00
	TRENCH SAFETY MH 6+70	1	LS	\$ 5,000.00	\$ 5,000.00	1		1	\$ 5,000.00	\$ 5,000.00
<b>CHANGE ORDER NO.2</b>										
	ELECTRIC LINE RELOCATION	1	LS	\$ 3,800.00	\$ 3,800.00		1	1	\$ -	\$ 3,800.00
<b>CHANGE ORDER NO.3</b>										
	DEMO SIGN AT MARSH & BROOKHAVEN	1	LS	\$ 3,000.00	\$ 3,000.00		1	1	\$ -	\$ 3,000.00
										<b>TOTAL C.O. \$ 38,800.00</b>

  
BARSON UTILITIES, INC.-CONTRACTOR

DATE

6-13-03

DAVE WILDE-INSPECTOR

DATE

  
STEVEN Z. CHIU-CHIAN-ENGINEER

DATE

TOTAL CONTRACT	\$ 551,628.00
VALUE TO DATE	\$ 558,846.00
LESS PREVIOUS PAY	\$ 408,761.60
LESS RETAINAGE	\$ 27,842.30
THIS REQUEST	\$ 119,242.10

SECTION BP

CONTRACTOR'S AFFIDAVIT OF BILLS PAID

STATE OF TEXAS

COUNTY OF DALLAS

Personally, before me the undersigned authority, on this day appeared Ronald E. Barson who, being  
duly sworn, on oath, says that he is a legal representative of Barson Utilities, Inc.  
(full name of Contractor as in contract)

and that the contract for the construction of the project, designated as

Brookhaven Club Sanitary Sewer Line (Bid No. 02-45)

(Project No.)

has been satisfactorily completed and that all bills for materials, apparatus, fixtures, machinery and labor used in  
connection with the construction of this project have, to the best of my knowledge and belief, been fully paid.



Signature: Ronald E. Barson

President

Title

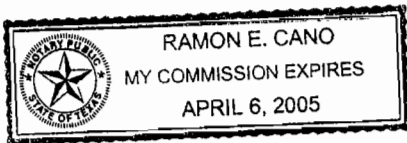
Sworn to and subscribed before me this 9 day of JUNE, 2002  
2003

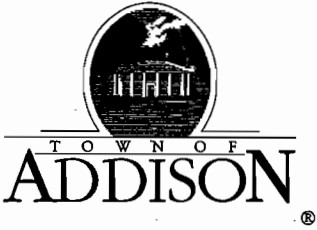


Notary Public in and for

DALLAS

County, Texas





**PUBLIC WORKS DEPARTMENT**  
Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871 FAX (972) 450-2837  
16801 Westgrove

April 29, 2003

Mr. Sam D. Laney  
Barson Utilities, Inc.  
5326 W. Ledbetter  
Dallas, Texas 75236

Re: Brookhaven Club Sanitary Sewer Line Improvements

Dear Mr. Laney:

Please accept this correspondence as receipt of your request for additional calendar days to the original contract for the above mentioned construction improvements. Although Section R of the Instruction to Bidders specifically states that no provisions will be made for extending the date of completion beyond the original contract start date, the Town of Addison also has the right to increase the total number of days. Consequently, the Town shall recognize an increase of calendar days to the original contract, with a final completion date of May 6, 2003. All remaining construction activities beyond this date, including punch list items, will subject your company to the disincentive provisions of the original contract. The disincentive rate was established at \$1,000.00 per day.

Should you have any questions, please contact me at 972-450-2886

Sincerely,

Steven Z. Chutchian P.E.  
Assistant City Engineer

## **Barson Utilities, Inc.**

5326 W. Ledbetter • Dallas, Texas 75236

Tel: 214-941-9700 Fax: 214-941-8533

April 25, 2003

Town of Addison  
16801 Westgrove Drive  
Addison, TX 75001-9010

**ATTN: Mr. Luke A. Jalbert**  
**RE: Brookhaven Club Sewer-Contract days**

Dear Luke:

Here is what I have for additional days thus far, from February 17<sup>th</sup> to February 27<sup>th</sup> we were delayed while re-engineering was being completed at the corner of Marsh and Brookhaven, from February 24<sup>th</sup> to March 20<sup>th</sup> we incurred delays while waiting on an electrical line to be relocated at Sta.6+70.

With the contract start date of January 6, 2003 and 95 calendar days on the original contract adding the 32 additional days places the contract expiration date at May 12<sup>th</sup>.

Sincerely,

Sam D. Laney





**ENGINEERING CONSULTING SERVICES, LTD.**

4950 Keller Springs Road, Suite 480  
Addison, TX 75001  
(972) 392-3222  
(FAX) 392-0102

**LETTER OF TRANSMITTAL**

April 3, 2003

Town of Addison  
PO Box 9010  
Addison, TX 75001-9010

ATTN: Mr. Luke Jalbert

RE: **Brookhaven Club Drive (Manhole)**

ECS Job # **19:3343**

Permits:

Location: **3748 Brookhaven Club Drive- Bldg. E  
Addison, TX**

We are enclosing:

- Materials Engineering Division Reports
- For your use
- As requested

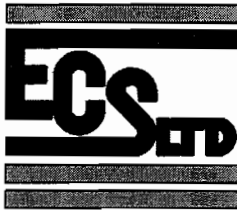
ENCL:

Field Report # 1

04/02/2003

Clement B. Bommarito, P.E.  
Principal Engineer

Robert D. Ray, S.E.T.  
Construction Materials Manager



4950 Keller Springs Road, Suite 480  
Addison, TX 75001  
(972) 392-3222  
(FAX) 392-0102

# FIELD REPORT

**Project Brookhaven Club Drive (Manhole)**  
**Location Addison, TX**  
**Client Town of Addison**

**Project No. 19:3343**  
**Report No. 1**  
**Day & Date Wednesday 04/02/2003**  
**Weather**  
**On-Site Time 1.00**  
**Lab Time 0.25**  
**Travel Time\* 0.00**  
**Total 1.25**  
**Reinsp. Time 0.00**

**Remarks**

<b>Trip Charges*</b>	<b>Tolls/Parking*</b>	<b>Mileage*</b>	<b>Time of Arrival</b>	<b>Departure</b>
			<b>08:00A</b>	<b>09:00A</b>

**Chargeable Items**

\* Travel time and mileage will be billed in accordance with the contract.

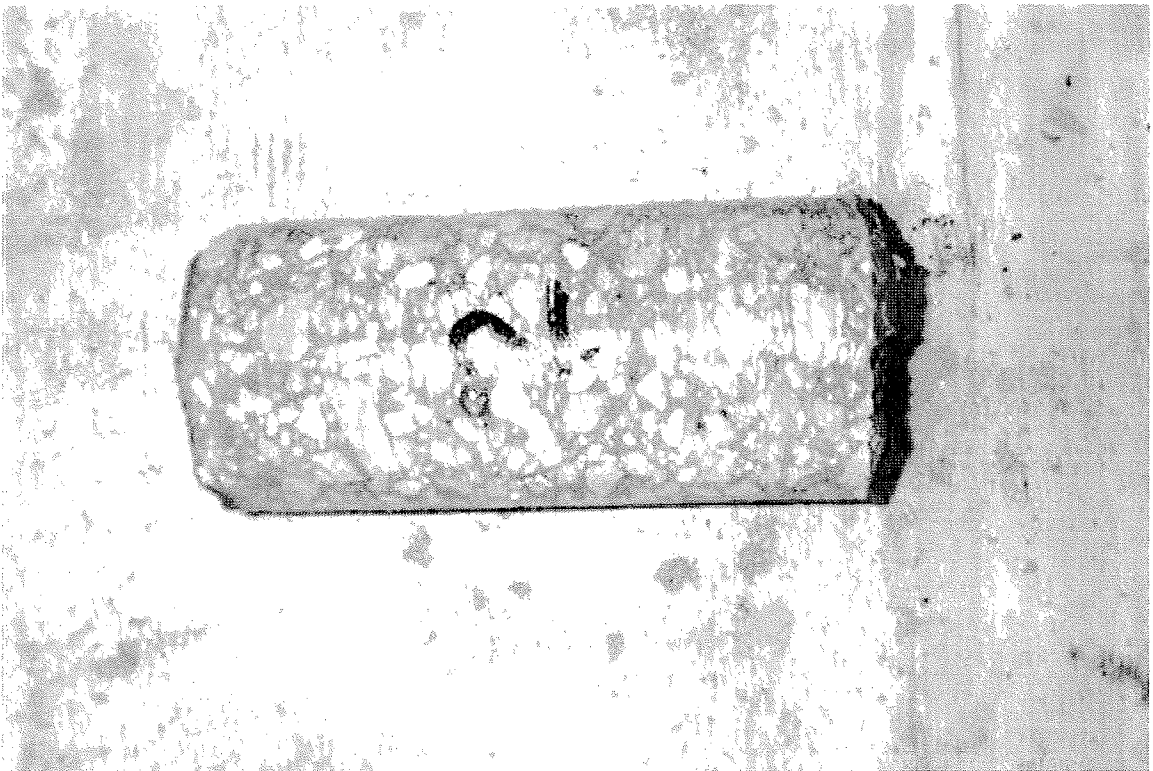
**Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.**

### Drilled Coring Operation:

The undersigned arrived on site, as requested, to core hardened concrete for compressive strength testing in our laboratory. 3 cores were taken from the manhole floor to verify the consolidation of the concrete present in the structure. The drilled cores indicated voids beneath the surface of the floor. Please refer to the attached photos of the drilled cores.









April 2, 2003

To: Barson Utilities  
5326 Ledbetter  
Dallas, Texas  
75236

RE: Brookhaven club Sanitary Sewer Manhole Base at station 6+70

As you know, we have been concerned about the quality of the concrete poured at the base of the above referenced manhole. The concrete had exceeded 1.5 hours after having been placed in the mixer, was very stiff, and it took about 2 additional hours to complete the pour. Our inspector noted vibration was not effective in consolidating the rapidly setting concrete. As a result, three cores were taken from the base of the referenced manhole. These cores were taken on April 2, 2003, by Engineering Consulting Services, LTD, 4950 Keller Springs Road, Suite 480, Addison Texas, and are available for your inspection.

The cores show serious honeycombing in the concrete, and, as a result, we are rejecting the manhole base. This is to direct you to remove the manhole base and re-pour the base. We also suggest you modify your construction methods such that the concrete can be placed in a timely manner.

Please have concrete cylinders prepared at your next pour for routine testing.

Please call Luke Jalbert at 972-450-2860 or Steve Chutchian at 972-450-2886 if you have any questions.

Sincerely ,

Michael Murphy  
Director of Public Works,  
Town of Addison

03/21/2003 14:28 FAX 2149418533

BARSON UTILITIES

003

**Barson Utilities, Inc.**

5326 W. Ledbetter • Dallas, Texas 75236

Tel: 214-941-9700 Fax: 214-941-8533

March 21, 2003

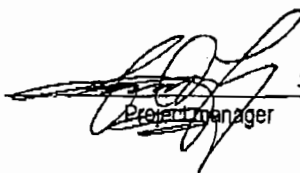
RE: Brookhaven Club Sewer  
Work Proposal - Sign Demo - MONUMENT SIGN DEMO

ATTN: Mr. Luke Jalbert

Work proposal description:

Demo sign at Marsh and Brookhaven Club.

Total: \$3,000.00

  
SAM D. LANEY  
Project Manager

3-21-03  
date

X  SIGNATURE LINE



**TOWN OF ADDISON  
PAYMENT AUTHORIZATION MEMO**

DATE: 3/21/03 Claim # \_\_\_\_\_ Check \$ 1,320.92

Vendor No. \_\_\_\_\_  
 Vendor Name BIRKHOFF, HENDRICKS & CONWAY, L.L.P.  
 Address 7502 GREENVILLE Ave., #220  
 Address DALLAS, TEXAS 75231  
 Address \_\_\_\_\_  
 Zip Code \_\_\_\_\_

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
	62	000	<del>56510</del> 56510	93601		1,320.92

TOTAL \$ 1,320.92

EXPLANATION CONSTRUCTION ADMINISTRATION FOR  
BROOKHAVEN SEWER REHAB.

Steve Chutehan  
 Authorized Signature

Finance

**BIRKHOFF, HENDRICKS & CONWAY, L.L.P.**  
**CONSULTING ENGINEERS**

7502 Greenville Avenue, #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

Town of Addison

Date: March 14, 2003

Post Office Box 9010

Addison, Texas 75001-9010

Attention: Mr. Steve Chutchian, P.E.

Statement No. 99123A (144)

Professional Services through February 23, 2003,  
in connection with ~~Marsh Lane Waterline~~ from  
Brookhaven Club Drive to Spring Valley

*BROOKHAVEN Sewer*

**Additional Services - General Administration of Construction**

Engineer	6.0 Hrs.	\$ 967.01
Survey	3.0 Hrs.	201.36
Survey	3.0 Hrs.	<u>124.49</u>

\$ 1,292.86

Expense: Automobile

28.06

**\$ 1,320.92**

*O.K. to PAY!  
SZC  
3/21/03*

Total Contract Amount	\$59,390.00
Current Billing	1,320.92
Previous Billings	<u>53,957.47</u>
Balance	\$ 4,111.61

03/21/2003 14:28 FAX 2149418533

BARSON UTILITIES

003

**Barson Utilities, Inc.**

5326 W. Ledbetter • Dallas, Texas 75236

Tel: 214-941-9700 Fax: 214-941-8533

March 21, 2003


RE: Brookhaven Club Sewer  
Work Proposal - Sign Demo - MONUMENT SIGN DEMO

ATTN: Mr. Luke Jalbert

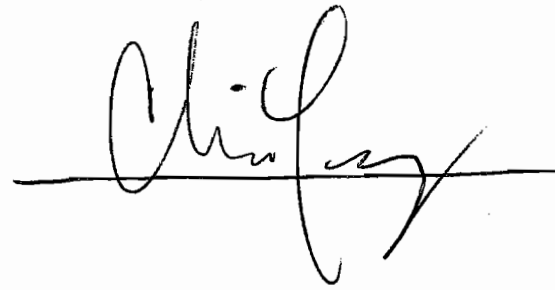
Work proposal description:

Demo sign at Marsh and Brookhaven Club.

Total: \$3,000.00

 SAM D. LANEY  
Project Manager

3.21.03  
date

X  SIGNATURE LINE

03/21/2003 14:28 FAX 2149418533

BARSON UTILITIES

003

**Barson Utilities, Inc.**

5326 W. Ledbetter • Dallas, Texas 75236

Tel: 214-941-9700 Fax: 214-941-8533

March 21, 2003


RE: Brookhaven Club Sewer  
Work Proposal – Sign Demo

ATTN: Mr. Luke Jalbert

Work proposal description:

Demo sign at Marsh and Brookhaven Club.

Total: \$3,000.00

  
Project manager SAM D. LANEY

3.21.03  
date

## **Steve Chutchian**

---

**From:** Bryan Langley  
**Sent:** Thursday, March 13, 2003 3:12 PM  
**To:** Steve Chutchian  
**Cc:** Jim Pierce; Michael Murphy  
**Subject:** Brookhaven Club Sewer Line Project

Steve,

I have set up a separate account for the Brookhaven Club Sewer Line project. Please use account 62-000-58410-93601 when charging expenses related to this project.

Please let me know if you have any questions.

Thanks,  
Bryan

**TOWN OF ADDISON  
PAYMENT AUTHORIZATION MEMO**

DATE: 3/11/03

Claim # \_\_\_\_\_

Check \$ 346,538.63

Vendor No. \_\_\_\_\_

Vendor Name BARSON UTILITIES, INC.

Address 5326 W. LEDBETTER

Address DALLAS, TEXAS 75236

Address \_\_\_\_\_

Zip Code \_\_\_\_\_

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
03-0007	62	000	58210	93601		346,538.63

TOTAL # 346,538.63

EXPLANATION CONSTRUCTION PAYMENT ON  
BROOKHAVEN CLUB SANITARY SEWER REHAB.

Steve Chutkan  
 Authorized Signature

Finance

BUI JOB NO: 03-0007


OWNER: Town of Addison  
 PROJECT: Brokhaven Club Sanitary Sewer Line  
 NUMBER OF DAYS: 95 DAYS  
 W.O. DATE:  
 DAYS USED: 47 Days


ESTIMATE PERIOD:  
 Estimate No: 1  
 January 13 to February 28, 2003


PRJ. NO: N/A

CONTRACT AMT: \$ 602,828.00  
 CHANGE ORDER:  
 REVISED AMT:

ITEM	DESCRIPTION	QTY	UNIT M/S	UNIT PRICE	CONTRACT VALUE	THIS REQUEST	PREVIOUS WORK	TOTAL TO DATE	THIS ESTIMATE	VALUE TO DATE
1	10" SEWER	30	LF	\$ 67.00	\$ 2,010.00			0	\$ -	\$ -
2	10" SEWER BY DIRECTIONAL	1360	LF	\$ 234.00	\$ 318,240.00	1442		1442	\$ 337,428.00	\$ 337,428.00
3	6FT MANHOLE (SHEET#1)	1	EA	\$ 17,675.00	\$ 17,675.00			0	\$ -	\$ -
4	6FT DIA DROP MANHOLE	2	EA	\$ 11,015.00	\$ 22,030.00			0	\$ -	\$ -
5	4FT DIA MANHOLE (SHEET 3)	1	EA	\$ 4,135.00	\$ 4,135.00			0	\$ -	\$ -
6	6FT DIA MANHOLE @ 6+70	1	EA	\$ 17,475.00	\$ 17,475.00			0	\$ -	\$ -
7	10" SEWER BY OPEN CUT	115	LF	\$ 74.00	\$ 8,510.00	108		108	\$ 7,992.00	\$ 7,992.00
8	10" SEWER BY BORE	75	LF	\$ 193.00	\$ 14,475.00			0	\$ -	\$ -
9	4FT DIA DROP MANHOLE	2	EA	\$ 4,185.00	\$ 8,370.00			0	\$ -	\$ -
10	CONCRETE PAVEMENT	10	SY	\$ 24.00	\$ 240.00			0	\$ -	\$ -
11	10" COCNRTE PAVEMENT	10	SY	\$ 82.00	\$ 820.00			0	\$ -	\$ -
12	SOD	350	SY	\$ 5.00	\$ 1,750.00			0	\$ -	\$ -
13	BARRICADES	1	LS	\$ 5,000.00	\$ 5,000.00	1		1	\$ 5,000.00	\$ 5,000.00
14	TRENCH SAFETY	30	LF	\$ 1.00	\$ 30.00	30		30	\$ 30.00	\$ 30.00
15	CLEANOUT	1	EA	\$ 320.00	\$ 320.00			0	\$ -	\$ -
16	TRENCH SAFETY FOR BORE	1	LS	\$ 200.00	\$ 200.00	1		1	\$ 200.00	\$ 200.00
17	TRENCH SAFETY DESIGN	1	LS	\$ 400.00	\$ 400.00	1		1	\$ 400.00	\$ 400.00
18	IRRIGATION REPAIR	1	LS	\$ 1,800.00	\$ 1,800.00			0	\$ -	\$ -
19	TREE REMOVAL	8	EA	\$ 1,400.00	\$ 11,200.00	8		8	\$ 11,200.00	\$ 11,200.00
20	UNDERWATER INSPECTION	1	LS	\$ 1,150.00	\$ 1,150.00	1		1	\$ 1,150.00	\$ 1,150.00
21	CIPP	1010	LF	\$ 47.00	\$ 47,470.00			0	\$ -	\$ -
22	8FT CEDAR FENCE	300	LF	\$ 32.00	\$ 9,600.00			0	\$ -	\$ -
23	REMOVE RED TIP PHOTENIA	1	LS	\$ 750.00	\$ 750.00			0	\$ -	\$ -
24	1" HMAC OVERLAY	345	SY	\$ 17.00	\$ 5,865.00			0	\$ -	\$ -
25	CLEARING AND RECONST OF	1	LS	\$ 2,755.00	\$ 2,755.00	0.5		0.5	\$ 1,377.50	\$ 1,377.50
26	RESTORATION OF GREENHAVEN	1	LS	\$ 2,753.00	\$ 2,753.00			0	\$ -	\$ -
27	RESTORATION OF MARSH LN	1	LS	\$ 3,805.00	\$ 3,805.00			0	\$ -	\$ -
28	REMOVE REPLACE 4FT WIDE	100	LF	\$ 40.00	\$ 4,000.00			0	\$ -	\$ -

  
 SAM D. LANEY 3.3.03  
 BARSON UTILITIES, INC.-CONTRACTOR DATE

  
 DAVE WILDE-INSPECTOR 3/7/03  
 DATE

  
 STEVEN Z. CHUTCHIAN-ENGINEER 3/10/03  
 DATE

TOTAL CONTRACT	\$ 602,828.00
VALUE TO DATE	\$ 364,777.50
LESS PREVIOUS PAY	
LESS RETAINAGE	\$ 18,238.88
THIS REQUEST	\$ 346,538.63

**A & L ENGINEERING & CONSULTING, INC.**  
P. O. BOX 703406 \* DALLAS, TEXAS 75370 \* (972) 818-2946 \* FAX (972) 733-0189

---

February 28, 2003

Mr. Sam Laney  
Barson Utilities, Inc.  
5326 W. Ledbetter  
Dallas, Texas 75236

RE: Sweeny Residence  
3805 Wooded Creek Drive  
Farmers Branch, Texas 75244

Dear Mr. Laney:

As you are aware. A & L Engineering and Consulting, Inc. conducted a soil test sampling procedure at the site of the above addressed residence on February 18, 2003. We also performed an inspection of the foundation of this residence on February 23, 2003.

During our visit, we recorded the following observations:

**Exterior**

- Dirt level on the northeast and southeast sides is too high.
- Down spout on the southeast corner of the foundation discharges too close to the foundation.

**Interior**

**Master Bedroom, Northeast Side of Residence**

- A a seam crack under the window on the northeast side.
- Hairline cracks above both windows along the east wall.
- A hairline crack above entry door.
- Ceiling joint separations, northeast and southwest corners of the room

**Southeast Bedroom**

- Hairline crack above window along the south side.
- Closet door is not level.



**3805 WOODED CREEK**

**PAGE 2**

North Bedroom / Office

- Closet door is not level.
- Patched wall corner separation, northwest corner.

Hall Bathroom

- Slight tape separation above window on the southeast side

Front Entrance Area

- Closet doors are not level.
- Front door appears to have been adjusted / shaved to fit its frame.

Living Room

- Slight separation between interior wall and ceiling at the northeast corner.

Dining Room

- Corner separation, northwest side.
- Patched crack above the window, southeast side.

Garage

- Cracks on the garage slab.

During our foundation inspection visit, We also performed an elevation survey to determine the differential elevations of the foundation at the present time. Survey results indicate a maximum differential elevation of 1.6 inches between southwest corner and southeast side of the residence.

As indicated in our original proposal, we should re-inspect this foundation in May 2003 and again in September 2003.

Results of the soil test procedure along with a comparison between present foundation elevations and distress symptoms with the ones that will be recorded in our upcoming visits will enable us to provide you with a report on the stability issues of this foundation.

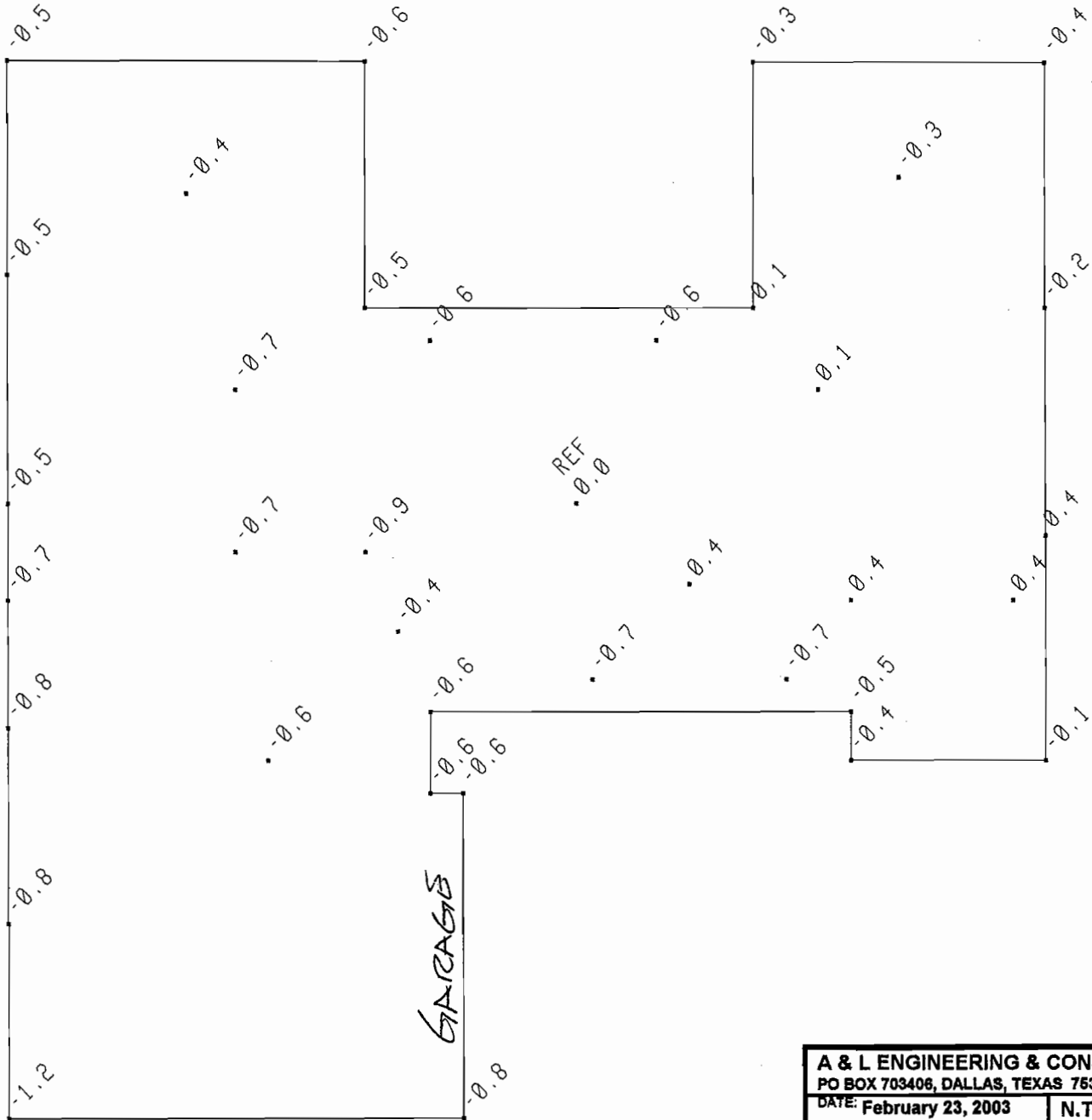
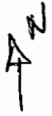
Sincerely;



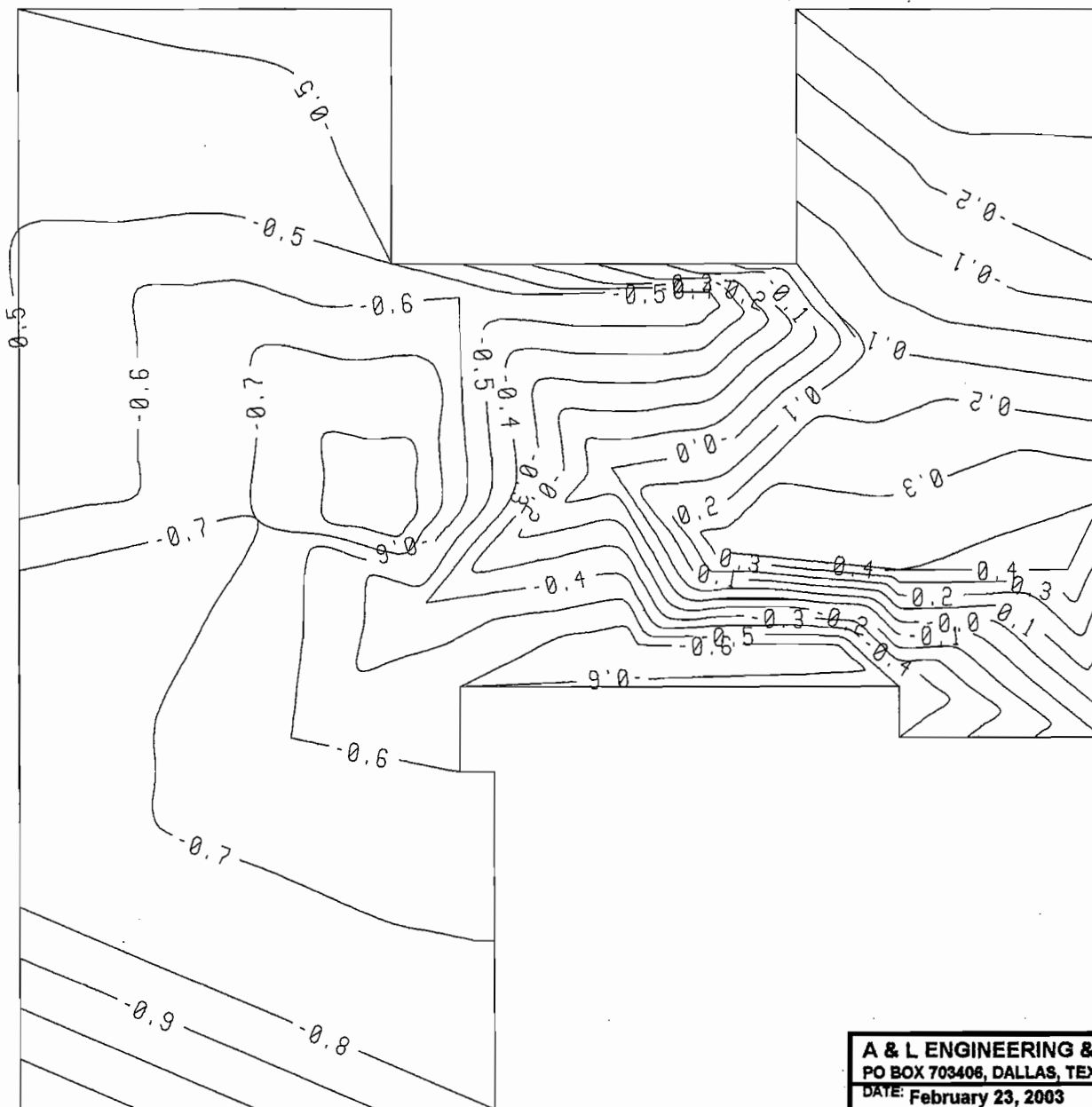
Nick Manesh, Ph.D., P.E.

Registered Professional Engineer, State of Texas

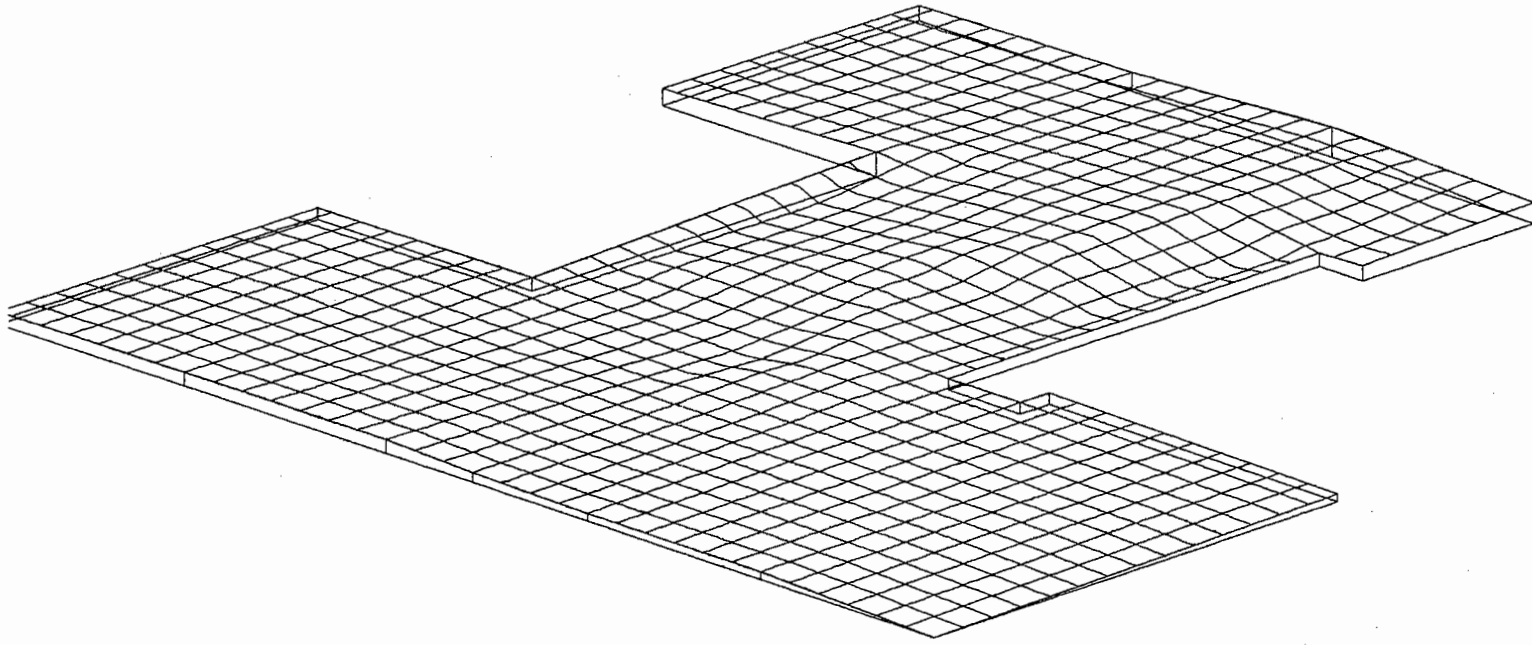




A & L ENGINEERING & CONSULTING, INC. PO BOX 703406, DALLAS, TEXAS 75370 (872)818 2946	
DATE: February 23, 2003	N.T.S.
3805 WOODED CREEK DRIVE FARMERS BRANCH, TEXAS 75244 POINT MAP	



<b>A &amp; L ENGINEERING &amp; CONSULTING, INC.</b> PO BOX 703406, DALLAS, TEXAS 75370 (972)818 2846	
DATE: February 23, 2003	N.T.S.
<b>3805 WOODED CREEK DRIVE</b> <b>FARMERS BRANCH, TEXAS 75244</b> <b>CONTOUR MAP</b>	



<b>A &amp; L ENGINEERING &amp; CONSULTING, INC.</b>	
PO BOX 703406, DALLAS, TEXAS 75370 (972)818 2946	
DATE: February 23, 2003	N.T.S.
3805 WOODDED CREEK DRIVE	
FARMERS BRANCH, TEXAS 75244	
3-D VIEW	



Engineering • Consulting • Inspection • Geotechnical • Construction • Environmental

February 21, 2003

Mr. Sam Laney  
Barson Utilities, Inc.  
5326 W. Ledbetter  
Dallas, TX 75236

RE: Project No. GD118-03

Geotechnical Subsurface Investigation  
Existing Private Residence  
3805 Wooded Creek Drive  
Farmers Branch, Texas

On February 18, 2003, *A&L Engineering and Consulting, Inc. (A&L)* was retained by Mr. Sam Laney to perform a geotechnical subsurface investigation for the above referenced property.

The study consisted of three phases: a field investigation; laboratory testing of samples recovered from the site; and engineering analysis. The geotechnical report presents the results of the analyses and all pertinent field and laboratory data.

One boring was drilled and sampled at the site to explore the subsurface conditions and to recover samples for later laboratory testing. Laboratory testing of recovered samples was directed toward classification, strength and volume change characteristics of the foundation soils. All field and laboratory data developed for this study are included in the report.

The soil sample was taken for the purpose of:

- Evaluating subsurface conditions.
- Determination of the soil stratigraphy,
- Determine the pertinent engineering properties of the subsurface materials;
- Prepare a geotechnical report with the conclusions and summaries of the information referenced above.

### Field work

On February 18, 2003, a portable auger-drilling machine was used to advance a boring and to obtain samples for laboratory evaluation.

One boring was drilled and soil samples were taken at the subject property. The boring was assigned and drilled to a maximum depth of 12 feet out side of the house to the southeast corner of the subject property, as shown on the Boring Location Diagram in the Appendix. Number of boring its location and depths were suggested by our Engineers.

Disturbed and undisturbed samples of cohesive soil were obtained at intermittent intervals with standard, thin-walled, seamless tube samplers. These specimens were extruded in the field, logged, sealed and packaged to protect them from any disturbance and loss of in-situ moisture content during transportation to our laboratory.

An ASTM Standard Penetration test sampler was used at selected depths in cohesionless soils to obtain undisturbed soils below the bottom of the borehole. The results of the standard penetration tests are tabulated at their respective sample depth on the boring logs. The soil specimen is removed from the sampler in the field, classified, and placed in moisture-proof containers for shipment to the laboratory.

### Dynamic Portable Penetrometer (ASTM # 399)

The device is a dynamic portable cone penetrometer utilizing a 15-lb. steel ring weight falling 20 inch on an E-rod slide drive. The cone point is enlarged to minimize shaft resistance during testing. The penetration test is made through an augered hole from 4 to 6" diameter using the auger cuttings to identify the soil. This was essential because interpretation varies with the soil type. After augering to the test depth for each boring the cone point was sealed 2 inch into the undisturbed bottom of the hole at a depth of 4 feet to be sure the cone is completely embedded. The cone point was further driven 1(3/4)" using the ring weight hammer falling 20 inch. These blows were counted to be 5 for all borings.

### Laboratory Testing

All samples collected in the field were transported to our lab. The samples were examined at our laboratory by the Project Engineer. The in-situ dry unit weight and moisture content of the samples were determined and used in conjunction with the Atterberg Limit tests for the determination of the Plastic and Liquid Limit to evaluate the potential volumetric change of the expansive clay strata. The results of these tests were also used to evaluate the

the uniformity of the material.

The compressive strength of the cohesive soils was evaluated by means of unconfined compression tests.

A Free Swell test was performed on an undisturbed soil sample retrieved from the test boring.

The water contents in the upper few feet have been influenced by the slurry injection; therefore in this case where the soil was not uniform with depth active zone depth was not estimated.

All the results of our laboratory testing are presented on the Logs of the Boring and other data sheets in the attached Appendix.

#### Subsurface Conditions

The subsurface conditions encountered in the boring differs at various strata for this specific location. Detailed descriptions of the various strata and their depths and thicknesses are given on the respective boring logs.

#### Site Geology/Soil Profile

At this site, variable and alternating layers clays underlain by sandy clay and stiff clays were encountered from the existing ground surface to the maximum depths explored. The soils are occasionally silty and sandy.

Seepage water was not encountered at the time of this investigation. The depth to subsurface water will be affected by changes in atmospheric conditions and site drainage. With regard to the aforementioned, we recommend that the depth to subsurface water be checked just prior to any repair or construction. Sandy clay was encountered at 12 foot deep, immediately after an indication of silty dark clay.

Descriptions and details of the various strata and their depths and thicknesses are presented on the corresponding Log of Boring in the Appendix.

The results of the boring program are presented on the Log of Boring attached.

### Conclusions and Recommendations

Based on the present available information provided by our test boring, laboratory testing, our observations, all the information available to us from the client, and all other sources mentioned in this report we provide the following comments and conclusions:

The subsurface conditions encountered for this project site at this boring was not consistent.

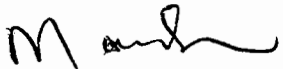
Atterberg limit test series also indicate that the clay soils encountered at this site are subject to moisture induced volume changes (expansion and contraction) with fluctuations in their moisture contents. These soils can experience significant swelling especially for dry dense conditions.

Based on the Texas Highway Department Test Method Tex-124-E for PVR calculation, we have estimated a heave potential of up to 2.7 inches, depending on the in-situ initial moisture conditions.

Sandy clay was encountered at an approximate depth of 12 foot (see boring log). The clays at this specific boring location show similar engineering properties (i.e. expansive). Removal and replacement of the expansive clays may be expensive at this site because the site is already developed. This option may not be economically viable.

We appreciate the opportunity to be of assistance on this project.

Please feel free to contact us if you have any questions or if we can be of further service.



Nick Manesh, Ph.D., PE, JD

Geotechnical and Structural Engineer



Kris Amoei, Ph.D

Geotechnical Engineering Division



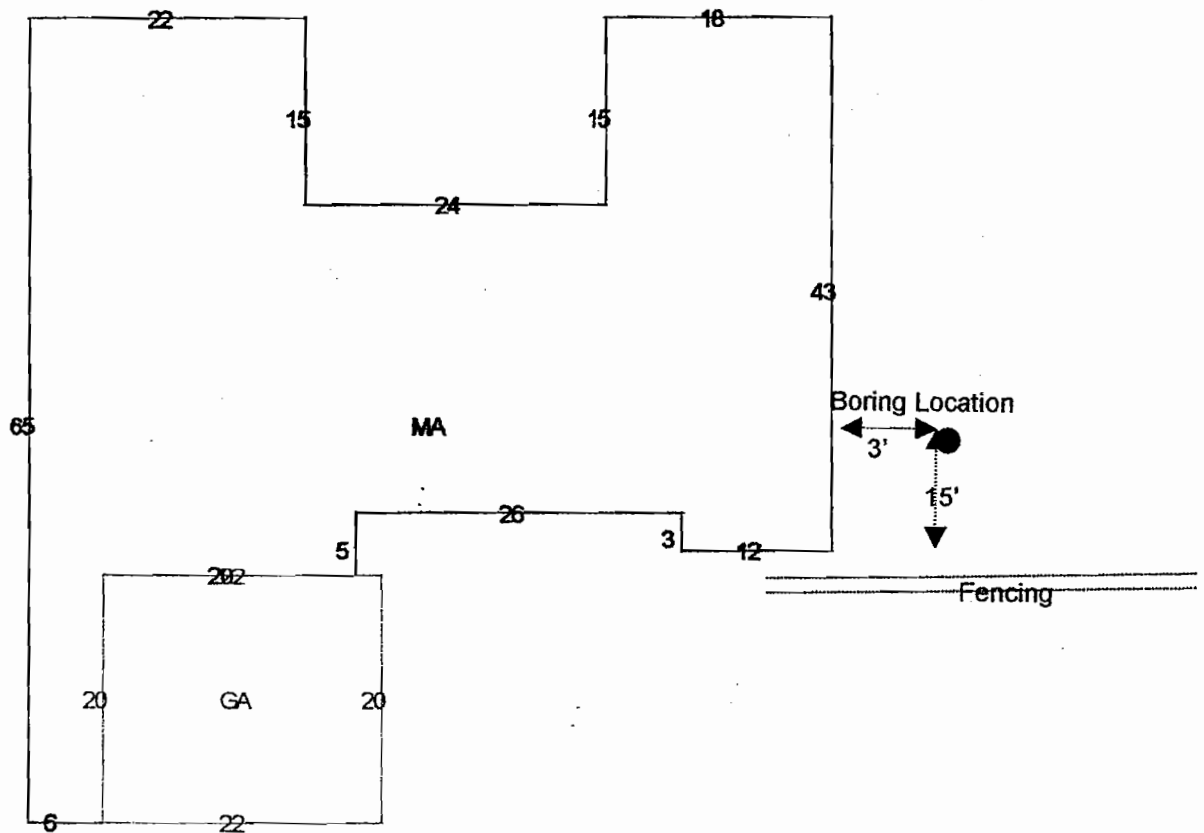
## LIMITATIONS

Statements in the report as to subsurface variation over given areas are intended only as estimations from the data obtained at specific boring locations.

The professional services that form the basis for this report have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geotechnical engineers practicing in the same locality. No other warranty, expressed or implied, is made as to the professional advice set forth.

The results, conclusions, and recommendations contained in this report are directed at, and intended to be utilized for, the scope of work contained within the proposal letter as executed by *A&L Engineering and Consulting, Inc.* and their client. This report is not intended to be used for any other purposes. A&L makes no claims or representations concerning any activity or condition that falls outside of the specified purposes for which this report has been directed. Said purposes of this report have been specifically limited to the scope of work as defined in said agreement. Inquiries regarding this scope of work or that pertain to any activity and/or condition not specifically contained herein, should be directed to A&L for determination and, if necessary, further investigation.

Existing Private Residence  
3805 Wooded Creek Drive, Farmers Branch, Texas



A&L Engineering and Consulting, Inc.  
706 Easy Street  
Garland, Texas

Project No. GD118-03

February, 2003

**A&L Engineering and Consulting, Inc.**

706 Easy Street, Garland, Texas 75042 Phone: (972) 276-5100 / Fax: (972) 276-5101

Existing Private Residence  
3805 Wooded Creek Drive  
Farmers Branch, Texas

SUMMARY OF FREE SWELL TEST		
Boring Number	B-1	B-1
Sample Depth (ft.)	6-8'	3-5'
Initial Moisture Content (%)	31	33
Final Moisture Content (%)	36	40
Applied Surcharge Pressure (psf)	875	375
Vertical Swell (%)	0.2	1.4
CLASSIFICATION (CH)	Dark and gray CLAY (CH)	Tan and gray CLAY (CH)

Re: Free Swell Test Results for Geotechnical Investigation

A&L Project Number: GD118-03

RECORD OF SUBSURFACE EXPLORATION

LOG OF BORING

DEPTH IN FEET	SYMBOL	DRY DENSITY	MOISTURE CONTENT	Hand Pene (QP)	■ SAMPLE ✕ STANDARD PENETRATION ▲ WATER		A&L ENG. PROJECT NO. GD118-03					
					WATER INFORMATION							
					Water was NOT encountered							
DESCRIPTION OF STRATUM					UCS	CLAY	SILT	SAND	ATTERBERG LIMITS (%)			
									LL	PL	PI	
0	CL		29		Tan Brawn sandy clay	2.8	90	5	5	45	21	24
2.5												
4												
5	CH		39		Dense Dark Brown silty Clay	3.8	90	5	5	67	28	39
8	CH		31		Tan hard CALCEREDOUS SILTY CLAY					64	23	41
9												
10												
15	CL		26		Tan SHALY clay	4.1			50	20	30	
15					Boring Terminated @ 15'							
20												
25												

PVR = POTENTIAL VERTICAL RISE      LL = LIQUID LIMIT      PL = PLASTIC LIMIT  
 UCS = UNCONFINED COMPRESSIVE STRENGTH      PI = PLASTICITY INDEX

A&L ENGINEERING  
 -CONSULTING INC.

Client: Barson Utilities, Inc.  
 Location: EXISTING PRIVATE RESIDENCE  
 3805 WOODDED CREEK DRIVE  
 FARMERS BRANCH, TEXAS

Boring #: 1  
 Date: 03-19-03

KEY TO CLASSIFICATION AND SYMBOLS

I. CORRELATION OF N-VALUE WITH RELATIVE DENSITY & CONSISTENCY

**A. SANDS**

<u>NO. OF BLOWS, N-VALUE</u>	<u>RELATIVE DENSITY</u>
0-7	VERY LOOSE
8-11	LOOSE
12-25	MEDIUM DENSE (FIRM)
26-50	DENSE
OVER 50	VERY DENSE

**B. SILTS & CLAYS**

<u>NO. OF BLOWS, N-VALUE</u>	<u>CONSISTENCY</u>	<u>COHESION (KSF)</u>
0-2	VERY SOFT	0-0.25
3-4	SOFT	0.25-0.50
5-8	FIRM	0.50-1.0
9-15	STIFF	1.0-2.0
16-32	VERY STIFF	2.0-4.0
33-50	HARD	4.0-8.0
OVER 50	VERY HARD	OVER 8.0

II. SYMBOLS

SS	SPLIT SPOON
MC	MOISTURE CONTENT (%)
PF	PERCENT FINES
DUW	UNIT WEIGHT (pcf) (POUNDS PER CUBIC FOOT)
qu	UNCONFINED COMPRESSIVE STRENGTH ksf(KIPS PER SQUARE FOOT)
USCS	UNIFIED SOIL CLASSIFICATION SYSTEM
PPR	POCKET PENETROMETER RESISTANCE (ksf)
T.V.	TOR-VANE SHEAR STRENGTH (ksf)

III. CONTENT TERMS IN DESCRIPTION

TRACE	>0-15% BY WEIGHT	SOME	15-30% BY WEIGHT
MANY	30-45% BY WEIGHT	SUFFIX (γ)	UP TO 50% WEIGHT

WHAT IS A SOIL REPORT?

WITHOUT BECOMING TOO TECHNICAL, THIS SHEET IS INTENDED TO TRY TO EXPLAIN WHAT A GOOD SOIL INVESTIGATION AND THE REPORT FOR RECOMMENDATIONS SHOULD CONTAIN. SOILS ARE A PART OF GEOLOGY AND AN EXCELLENT BACKGROUND KNOWLEDGE OF HOW THE SOILS WERE FORMED IN NATURE MAKES A BETTER GEOTECHNICAL ENGINEER. THE SOIL BORING LOGS WILL REVEAL A GEOLOGIC STRATIGRAPHIC PROFILE OF THE UNDERGROUND LAYERS OF SOIL, CLAYSTONES AND THE PARENT BEDROCKS OF THE FORMATION.

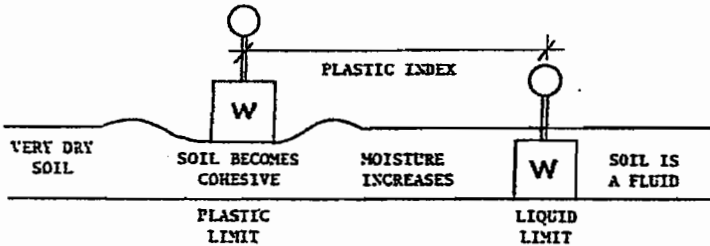
A PROPERLY PREPARED SOIL REPORT SHOULD CONTAIN THE FOLLOWING INFORMATION FOR CONSTRUCTION:

- 'FUTURE SETTLEMENT'
- 'GROUNDWATER AFFECTS'
- 'SOIL SWELLING POTENTIAL'
- 'SOIL CREEP'
- 'SOIL SWELLING FOR PIERS'
- 'LANDSLIDE POTENTIAL'
- 'SOIL CLASSIFICATION'
- '% OF CLAY'
- 'SOIL BEARING PRESSURE'
- 'BEDROCK DEPTH'
- 'DEPTH OF SEASONAL MOISTURE CHANGES'

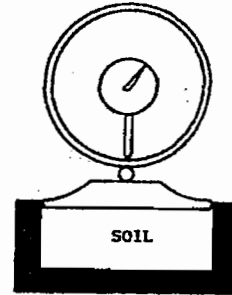
THE LABORATORY TESTS THAT CAN BE USED TO DETERMINE THE ABOVE INFORMATION INCLUDE:

- 'PLASTIC INDEX, ATTERBERG LIMITS TEST'
- '(-200) SCREEN, % OF CLAY & SAND'
- '% OF MOISTURE'
- 'SOIL DENSITY IN LBS. PER CUBIC FOOT'
- 'UNCONFINED COMPRESSION TEST'
- 'SWELL TEST'
- 'CONSOLIDATION TEST'
- 'DRY STATE SHRINK TEST'
- 'PARTICLE ANGULARITY TEST'
- 'SOIL CLASS'

MOST SOIL INVESTIGATIONS DO NOT REQUIRE THAT ALL THE LAB TESTS BE PERFORMED IN ORDER TO FIND THE CORRECT ANALYSIS FOR DETERMINATION OF THE CORRECT SOIL BEARING PRESSURE, (Q<sub>u</sub>) FOR SLAB BEAMS AND FOR THE PROPER DEPTH OF DRILLED PIERS. THE ENGINEERING PERSONNEL WORKING ON THE SOIL REPORT, DRILLING AND LABORATORY TESTING MUST BE EXPERIENCED ENOUGH TO CHOOSE WHICH TEST OR TESTS WILL GIVE THE CORRECT INFORMATION TO ELIMINATE ANY FIELD 'GUESSING' LATER.

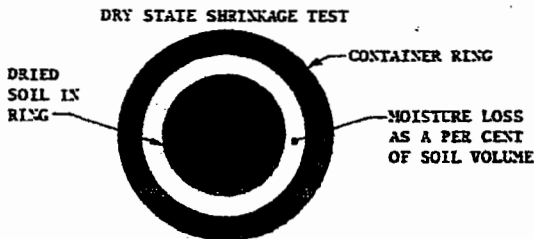


SOIL MOISTURE INCREASES FROM A VERY DRY CONDITION TO A SOIL THAT IS COHESIVE WHERE IT WILL EASILY MOLD AND CHANGE SHAPE BUT STILL HOLDS TOGETHER AFTER IT RESHAPES. AS WATER IS ADDED, THE COHESION BREAKS DOWN INTO A MUDDY FLUID CONDITION AT THE LIQUID LIMIT.

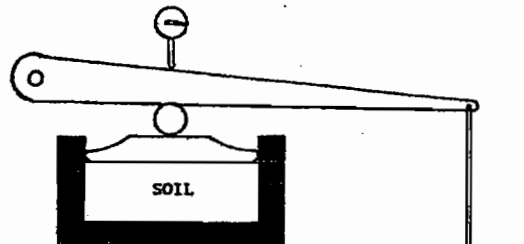


SWELL TEST

WATER IS ADDED TO THE RETAINER RING AND THE EXPANSION OF THE SOIL PUSHES UP AGAINST A STEEL RING UNTIL IT CAN NOT ABSORB ANY MORE WATER. THIS TEST IS SIMILAR TO WHAT HAPPENS TO SOIL IN A PIER HOLE AFTER THE CONCRETE IS PLACED. OTHER TYPES OF SWELL TESTS ARE USED TO APPROXIMATE OTHER ON-SITE FIELD CONDITIONS.



THE SOIL IS CUT OR FORMED INTO THE RING IN ITS WET CONDITION. THE SOIL IS SLOWLY DRIED IN AN OVEN TO ITS DRY CONDITION AS SHOWN. THE REDUCTION IN ITS FINAL VOLUME IS CALLED THE SHRINKAGE LIMIT. THIS TEST WILL REVEAL HOW MUCH THE FOUNDATION SOIL WILL DROP UNDER THE BEAMS DURING A HOT SUMMER SPELL. SOME SOILS DO NOT SHRINK WHEN DRIED AND ARE SAFE SOILS TO BUILD ON WITH LITTLE FUTURE MOVEMENT.



CONSOLIDATION TEST

WEIGHTS ARE ADDED TO THE PLATTEN AND THE DROP IS MEASURED WITH THE GAUGE. THIS TEST WILL INDICATE HOW THE FIELD SOIL WILL SETTLE AFTER THE BUILDING IS BUILT. THIS TEST ALSO WILL REVEAL THE AMOUNT OF SETTLEMENT FOR COMPACTION OF SOIL WHEN FILL IS HAULED TO THE SITE.



UNCONFINED COMPRESSION TEST

A CYLINDRICAL SOIL SAMPLE IS PLACED IN A MOVABLE PLATFORM AND PUSHED UPWARD AGAINST A PRESSURE RING UNTIL BREAKING. THIS TEST MEASURES INTERNAL COHESION OF THE SOIL AS IT IS FOUND IN THE BORING. PIERS RELY ON SOIL COHESION FOR THEIR HOLDING CAPACITY.

A&L Engineering and Consulting Inc.  
 706 Easy Street, Garland, Texas 75042  
 Phone: (972) 276-5100 - Fax: (972) 276-5101  
 E-Mail: aandlengineering@aol.com

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests<sup>A</sup>

Soil Classification

Group Symbol      Group Name<sup>B</sup>

Coarse-Grained Soils More than 50% retained on No. 200 sieve	Gravels More than 50% coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5% fines <sup>C</sup>	$Cu \geq 4$ and $1 \leq Cc \leq 3^E$	GW	Well graded gravel <sup>F</sup>	
			$Cu < 4$ and/or $1 > Cc > 3^E$	GP	Poorly graded gravel <sup>F</sup>	
		Gravels with Fines More than 12% fines <sup>C</sup>	Fines classify as ML or MH	GM	Silty gravel <sup>F,GM</sup>	
		Fines classify as CL or CH	GC	Clayey gravel <sup>F,GM</sup>		
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5% fines <sup>D</sup>	$Cu \geq 6$ and $1 \leq Cc \leq 3^E$	SW	Well-graded sand <sup>F</sup>	
			$Cu < 6$ and/or $1 > Cc > 3^E$	SP	Poorly graded sand <sup>F</sup>	
Sands with Fines More than 12% fines <sup>D</sup>		Fines classify as ML or MH	SM	Silty sand <sup>SM,ML</sup>		
	Fines classify as CL or CH	SC	Clayey sand <sup>SM,ML</sup>			
Fine-Grained Soils 50% or more passes the No. 200 sieve	Silt and Clays Liquid limit less than 50	inorganic	PI > 7 and plots on or above "A" line <sup>F</sup>	CL	Lean clay <sup>CL,LM</sup>	
			PI < 4 or plots below "A" line <sup>F</sup>	ML	Silt <sup>ML,LM</sup>	
		organic	Liquid limit - oven dried < 0.75	OL	Organic clay <sup>OL,LM,O</sup>	
			Liquid limit - not dried	OM	Organic silt <sup>OM,LM,O</sup>	
		Silt and Clays Liquid limit 50 or more	inorganic	PI plots on or above "A" line	CH	Fat clay <sup>CH,LM</sup>
				PI plots below "A" line	MH	Elastic silt <sup>MH,LM</sup>
	organic		Liquid limit - oven dried < 0.75	OH	Organic clay <sup>OH,LM,O</sup>	
			Liquid limit - not dried	OM	Organic silt <sup>OM,LM,O</sup>	
	Highly organic soils		Primarily organic matter, dark in color, and organic odor	PT	Peat	

<sup>A</sup>Based on the material passing the 3-in. (75-mm) sieve.

<sup>B</sup>If field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

<sup>C</sup>Gravels with 5 to 12% fines require dual symbols:

- GW-GM well-graded gravel with silt
- GW-GC well-graded gravel with clay
- GP-GM poorly graded gravel with silt
- GP-GC poorly graded gravel with clay

<sup>D</sup>Sands with 5 to 12% fines require dual symbols:

- SW-SM well-graded sand with silt
- SW-SC well-graded sand with clay
- SP-SM poorly graded sand with silt
- SP-SC poorly graded sand with clay

$$C_u = D_{60} / D_{10} \quad C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

<sup>E</sup>If soil contains  $\geq 15\%$  sand, add "with sand" to group name.

<sup>F</sup>If fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

<sup>G</sup>If fines are organic, add "with organic fines" to group name.

<sup>H</sup>If soil contains  $\geq 15\%$  gravel, add "with gravel" to group name.

<sup>I</sup>If Atterberg limits plot in hatched area, soil is a CL-ML, silty clay.

<sup>J</sup>If soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

<sup>K</sup>If soil contains  $\geq 30\%$  plus no. 200, predominantly sand, add "sandy" to group name.

<sup>L</sup>If soil contains  $\geq 30\%$  plus No. 200, predominantly gravel, add "gravelly" to group name.

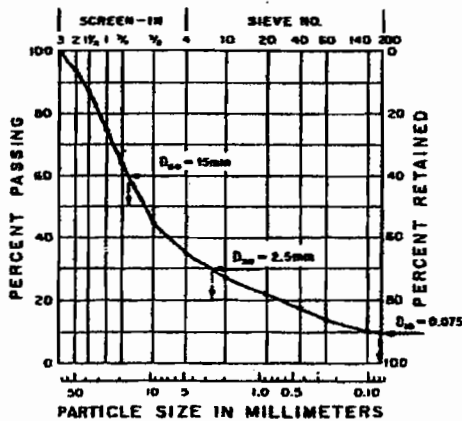
<sup>M</sup> $PI \geq 4$  and plots on or above "A" line.

<sup>N</sup> $PI < 4$  or plots below "A" line.

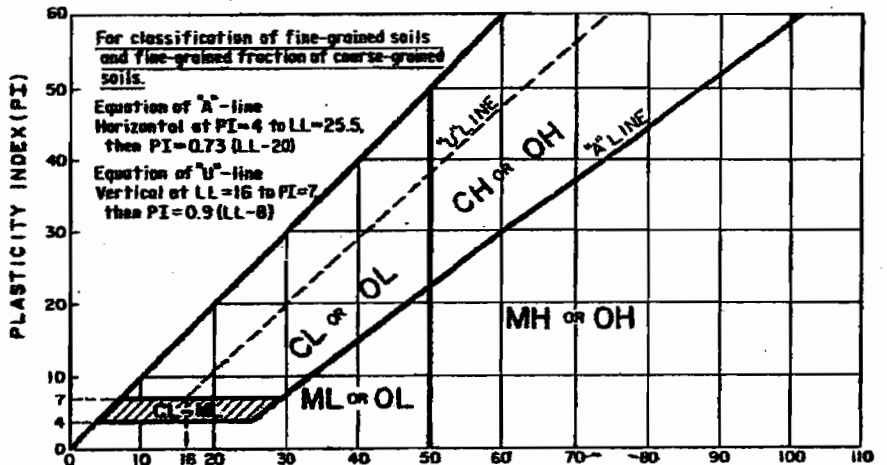
<sup>O</sup>PI plots on or above "A" line.

<sup>P</sup>PI plots below "A" line.

SIEVE ANALYSIS



$$C_u = \frac{D_{60}}{D_{10}} = \frac{15}{2.5} = 6 \quad C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} = \frac{(0.075)^2}{2.5 \times 15} = 0.0015$$



**TOWN OF ADDISON  
PAYMENT AUTHORIZATION MEMO**

DATE: 2/28/03

Claim # \_\_\_\_\_

Check \$ 596.55

Vendor No. \_\_\_\_\_

Vendor Name BIRKHOFF, HENDRICKS & Conway, L.L.P.

Address 7502 GREENVILLE AVE # 220

Address DALLAS, TEXAS 75231

Address \_\_\_\_\_

Zip Code \_\_\_\_\_

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
99123A (073)	62	000	5650	93601		596.55

TOTAL: \$ 596.55

EXPLANATION BROOKHaven CLUB Sewer Re-Design

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Steve Chutehan  
Authorized Signature

\_\_\_\_\_  
Finance



**BIRKHOFF, HENDRICKS & CONWAY, L.L.P.**  
**CONSULTING ENGINEERS**

7502 Greenville Avenue, #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

Town of Addison  
Post Office Box 9010  
Addison, Texas 75001-9010  
Attention: Mr. Steve Chutchian, P.E.

Date: February 21, 2003

Statement No. 99123A (073)

Professional Services through January 26, 2003,  
in connection with Marsh Lane Waterline from  
Brookhaven Club Drive to Spring Valley

**Additional Services - General Administration of Construction**

Engineer	1.0 Hr.	\$ 158.16
Survey	2.0 Hrs.	134.23
Survey	2.0 Hrs.	82.99
AutoCAD Tech I	2.0 Hrs.	187.27
Word Processor	.5 Hr.	<u>25.08</u>

\$ 587.73

Expense: Automobile

8.82

\$ 596.55

*O.K. to PAY.  
SZC  
2/28/03*

Total Contract Amount	\$59,390.00
Current Billing	596.55
Previous Billings	<u>53,360.92</u>
Balance	\$ 5,432.53

02/05/2003 16:08 FAX 2149418533

BARSON UTILITIES

001

5326 W. Ledbetter + Dallas, TX 75236  
214-941-9700 ext.#25 FAX 214-941-8533



# Fax

To: Luke Jalbert From: Sam D. Laney

Fax: 972-450-2837 Pages:

Phone: Date: 2-5-03

Re: Manhole change order @ sta. 6+70

Urgent  For Review  Please Comment  Please Reply  Please Recycle

• Comments:

02/05/2003 16:08 FAX 2149418533

BARSON UTILITIES

002

**Barson Utilities, Inc.**

5326 W. Ledbetter • Dallas, Texas 75236

Tel: 214-941-9700 Fax: 214-941-8533

February 5, 2003

RE: Brookhaven Club Sewer  
Change Order Work Request - Manhole @ Sta.6+70

ATTN: Mr. Luke Jalbert

**Change order request description:**

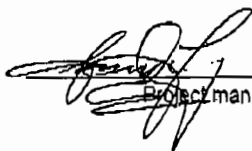
The proposed manhole at sta.6+70 was not included in our original bid scope when we put this project together, due to the fact when we consulted the directional driller and asked if he needed the manhole at this station, he said the manhole would actually hinder the bore, therefore, since it was our option to either construct the manhole or not we figured we would not build the manhole. However, during our initial construction meeting your maintenance department requested the manhole be installed. After reviewing the project in more detail there are a number of issues that limits conventional construction techniques:

- 1) Close proximity to the existing town homes.
- 2) Depth of the manhole, 29ft+.
- 3) Limited work zone.
- 4) Overhead power lines limiting drilling operations.
- 5) Existing sewer will be suspended over the manhole crew.

With these types of issues the only safe and executable construction means available to us is to hand mine the manhole starting around 10 feet which will leave 19vf to hand mine.

**Change order:**

- |  |                    |
|--|--------------------|
| 1) Hand mine manhole: 19ft vertical depth @ \$1000.00/ VF= | \$19,000.00        |
| 2) Trench safety design and installation:                  | \$,5000.00         |
| 3) Manhole installation:                                   | <u>\$17,675.00</u> |
|  | \$41,675.00        |

 Sam D. Laney  
Project manager

2.5.03

date

01/30/2003 14:48 FAX 2149418533

BARSON UTILITIES

001

**BARSON UTILITIES, INC.**  
**5326 W. LEDBETTER**  
**DALLAS, TX 75236**  
214-941-9700 FAX 214-941-8533

**FACSIMILE TRANSMITTAL SHEET**

TO:	FROM:
Luke Jalbert	Sam Laney
COMPANY:	DATE:
Town of Addison	01-30-03
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
972-450-2837	2
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
972-450-2860	
RE:	YOUR REFERENCE NUMBER:
Extra Time for Control Issues	

URGENT  **FOR REVIEW**  PLEASE COMMENT  PLEASE REPLY  PLEASE RECYCLE

NOTES/COMMENTS:

Luke,

Attached document is for additional days due to problems with the control points.  
Please contact me if you have any questions or concerns.

Thank You,

Sam Laney

SL/rec

SENT BY: FINANCE DEPARTMENT;

972 450 7096;

FEB-6-03 11:06;

PAGE 1/1

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
6	1	Ea.	Furnish and Install 6-Foot Dia. Standard Manhole at Sta. 6+70, if required or directed by the City, including Backfill and Pavement Replacement (Sheet No. 2) complete in place, the sum of _____ Seventeen Thousand, Four Hundred _____ Seventy-Five _____ Dollars and _____ No _____ Cents per Each	\$ 17,475.00	\$ 17,475.00
7	115	L.F.	Furnish and Install 10-Inch SDR35 Sanitary Sewer Line (Sheet No. 4) by Open Cut complete in place, the sum of _____ Seventy-Four _____ _____ Dollars and _____ No _____ Cents per Linear Foot	\$ 74.00	\$ 8,510.00
8	75	L.F.	Furnish and Install 10-Inch SDR35 Sanitary Sewer Line (Sheet No. 4) by other than Open Cut complete in place, the sum of _____ One Hundred Ninety-Three _____ _____ Dollars and _____ No _____ Cents per Linear Foot	\$ 193.00	\$ 14,475.00
9	2	Ea.	Furnish and Install 4.0 Drop Manholes (Sheet No. 4) complete in place, the sum of _____ Four Thousand, One Hundred _____ Eighty-Five _____ Dollars and _____ No _____ Cents per Each	\$ 4,185.00	\$ 8,370.00
10	10	S.Y.	Concrete Pavement Removal, including Curbs, Driveways and Full Depth Saw Cut complete in place, the sum of _____ Twenty-Four _____ _____ Dollars and _____ No _____ Cents per Square Yard	\$ 24.00	\$ 240.00

# HP LaserJet 3200se



TOWN OF ADDISON  
9724502837  
JAN-30-2003 14:45

## Fax Call Report

Job	Date	Time	Type	Identification	Duration	Pages	Result
48	1/30/2003	14:45:18	Receive	2149418533	0:26	2	OK

01/30/2003 14:48 FAX 2149418533 BARSON UTILITIES 0001

**BARSON UTILITIES, INC.**  
5326 W. LEDBETTER  
DALLAS, TX 75236  
214-941-9700 FAX 214-941-8533

### FACSIMILE TRANSMITTAL SHEET

TO:	FROM:
Luke Jalbert	Sam Laney
COMPANY:	DATE:
Town of Addison	01-30-03
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
972-450-2837	2
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
972-450-2860	
RE:	YOUR REFERENCE NUMBER:
Extra Time for Control Issues	

URGENT  FOR REVIEW  PLEASE COMMENT  PLEASE REPLY  PLEASE RECYCLE

#### NOTES/COMMENTS:

Luke,

Attached document is for additional days due to problems with the control points.  
Please contact me if you have any questions or concerns.

Thank You,

Sam Laney

SL/rec

01/30/2003 14:48 FAX 2149418533

BARSON UTILITIES

002

**Barson Utilities, Inc.**

5326 W. Ledbetter • Dallas, Texas 75236

Tel: 214-941-9700 Fax: 214-941-8533

1/24/2003

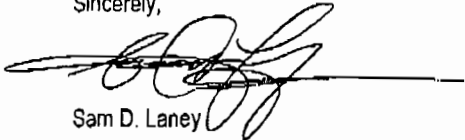
City of Addison  
16801 Westgrove Drive  
Addison, TX 75001-9010

**ATTN: MR. Luke A. Jalbert**  
**RE: Brookhaven Club Sanitary Sewer**

Dear Mr. Jalbert:

With the delays we incurred from the control points issue. We request an additional five days be added to our contract to off set the lost time.

Sincerely,

  
Sam D. Laney

The City of Addison will add five additional days to the Brookhaven Club Sewer project, bringing the contract to 95 calendar days.

\_\_\_\_\_ print

\_\_\_\_\_ signed

\_\_\_\_\_ date

Steve's Copy  
FYE  
2

### TOWN OF ADDISON PAYMENT AUTHORIZATION MEMO

Date 1/17/2003 Claim # \_\_\_\_\_ Check \$ \_\_\_\_\_

Vendor No. \_\_\_\_\_  
Vendor Name Frye Associates  
Address \_\_\_\_\_  
Address \_\_\_\_\_  
Address \_\_\_\_\_  
Zip Code \_\_\_\_\_

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
Brookhaven Club Drive Park	62	000	56570	93601		979.84

TOTAL \$979.84

EXPLANATION  
\_\_\_\_\_  
Brookhaven Club Drive Park - Landscape architectural services for  
schematic site design alternatives - Nov-Dec 2002  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Finance



~~62-000~~  
62-000-56570-93601



**Frye Associates**  
Landscape Architecture  
Planning . Urban Design  
Architectural Illustration

December 21, 2002

Mr. Slade Strickland  
Director  
Parks and Recreation Landscape Development  
P.O. Box 9010  
Addison, Texas 75001-9010

**RE: Brookhaven Club Drive Park**

**\*INVOICE\***

**Labor Costs**

Landscape Architectural services for schematic site design alternatives  
For November and December. Sixteen (16) hours @ \$60.00/Hr. \$ 960.00

**Reimbursable Costs**

Copying and Reproduction \$ 19.84

**Total Amount Due**

**\$ 979.84**

Payment is due upon receipt.

Thank You.

Sincerely,

Robin R. Frye, ASLA, ASAI  
Frye Associates

ACCOUNT  
BHMMP - DESIGN  
SEWER PROJ.  
OKAY  
jse

QTY/LIST	DISC	PRICE	AMOUNT
3	ES OVRSZ 24 X 36		
4.50	0.00	4.50	13.50

SUB	13.50	TX	0.98	TOT	14.48
				Visa	14.48
				CHG	0.00

XXXXXXXXXXXX8910 07/03 039932  
 I agree to pay the above amount  
 according to the card issuer agreement.  
 Sign Here: X \_\_\_\_\_

*Marsh/Brookhaven.*  
 CW 3 TR 771538 RG 3 11/20/02 15:06  
 Visit us @ <http://www.kirkos.com>

*Brookhaven Dr: Park.*

Kirkos's (972) 315-3209  
 2267 S STEMMONS FWY STE #602  
 LEWISVILLE, TX 75067

QTY/LIST	DISC	PRICE	AMOUNT
2	FS OVRSZ PSTR-ZMR 18X24 WHT BVD		
2.50	0.00	2.50	5.00

SUB	5.00	TX	0.36	TOT	5.36
				CASH	6.00
				CHG	0.64

CW 413 TR 777663 RG 3 12/17/02 15:35  
 Visit us @ <http://www.kirkos.com>

## Jo Ann Shuffield

---

**From:** Steve Chutchian  
**Sent:** Thursday, January 02, 2003 12:45 PM  
**To:** Jo Ann Shuffield  
**Subject:** RE: Brookhaven Club Dr. Sewer Line Acct

Jo Ann - sorry it took so long to respond. I have been checking with finance on the appropriate number.

62-000-56570-93601

Steve C.

-----Original Message-----

**From:** Jo Ann Shuffield  
**Sent:** Tuesday, December 31, 2002 1:32 PM  
**To:** Steve Chutchian  
**Subject:** FW: Brookhaven Club Dr. Sewer Line Acct

See below. I need the account number. Thanks.

-----Original Message-----

**From:** Jo Ann Shuffield  
**Sent:** Thursday, December 26, 2002 2:38 PM  
**To:** Steve Chutchian; Luke Jalbert  
**Subject:** Brookhaven Club Dr. Sewer Line Acct

I have an invoice from Frye Associates for landscape design for Brookhaven Club Sewer for \$979.84 for Nov & Dec. What account number did I need to use?

*Jo Ann Shuffield*

Town of Addison  
Secretary to Assistant City Mgr, Parks, Special Events Depts  
972-450-2851  
Fax 972-450-2834

**BARSON UTILITIES, INC.**  
**5326 W. LEDBETTER**  
**DALLAS, TX 75236**  
214-941-9700 FAX 214-941-8533

---

**FACSIMILE TRANSMITTAL SHEET**

---

TO:	FROM:
Luke Jalbert	Sam Laney
COMPANY:	DATE:
Town of Addison	01-16-03
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
972-450-2837	3
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
972-450-2860	
RE:	YOUR REFERENCE NUMBER:
Barricade Plan for the Brookhaven Club Sanitary Sewer Line Project	

---

URGENT     FOR REVIEW     PLEASE COMMENT     PLEASE REPLY     PLEASE RECYCLE

---

## NOTES/COMMENTS:

Luke,

Attached is the Barricade Plan for the above mentioned project.  
Please contact me if you have any questions or concerns.

Thank You,

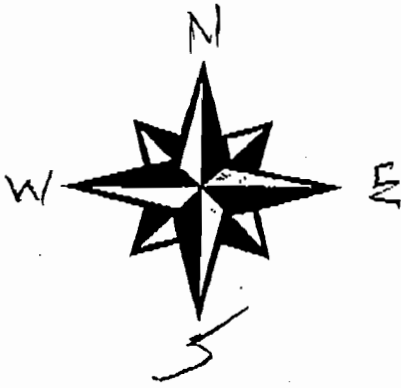
Sam Laney

SL/rec

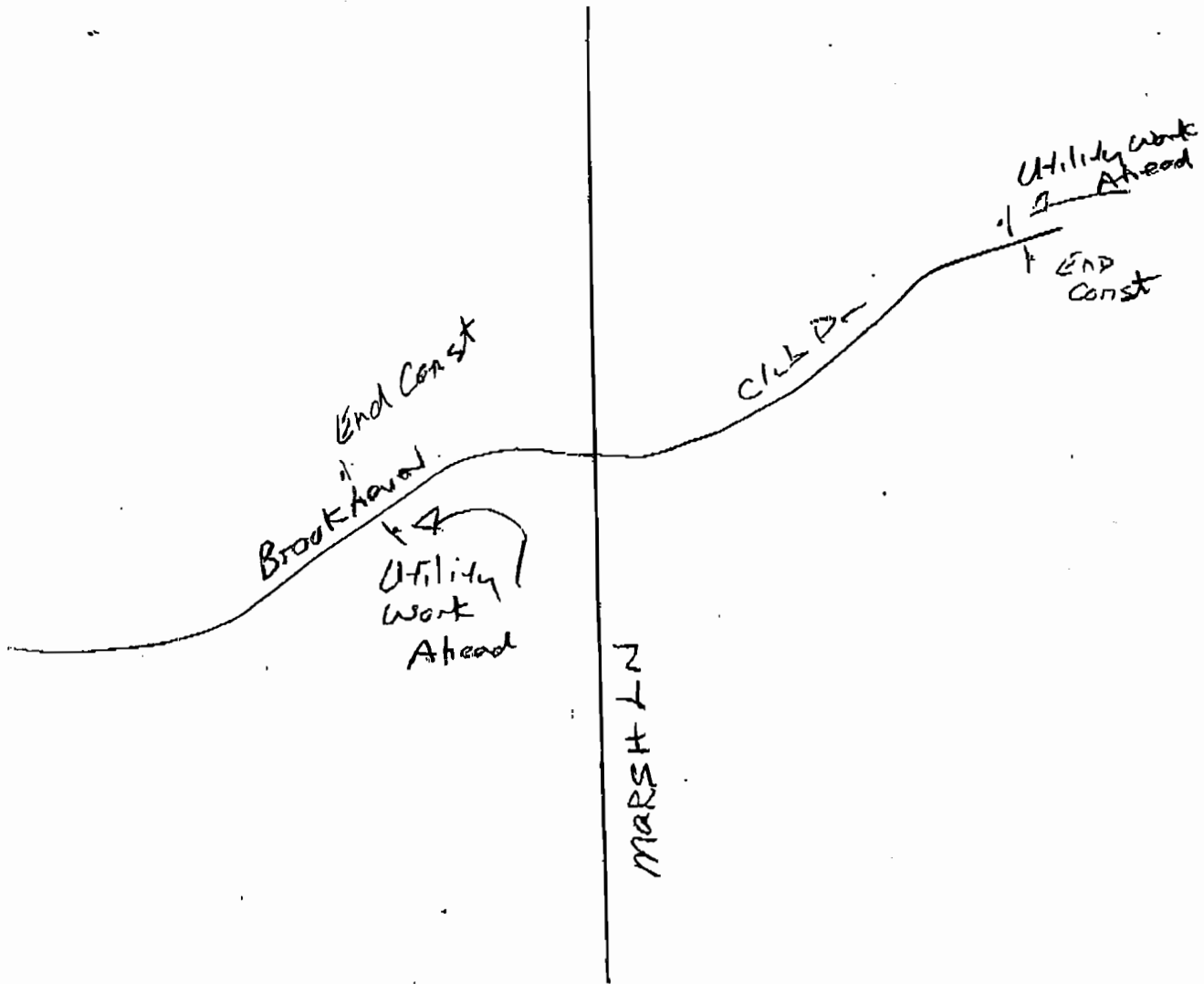
# BUYERS BARRICADES, INC

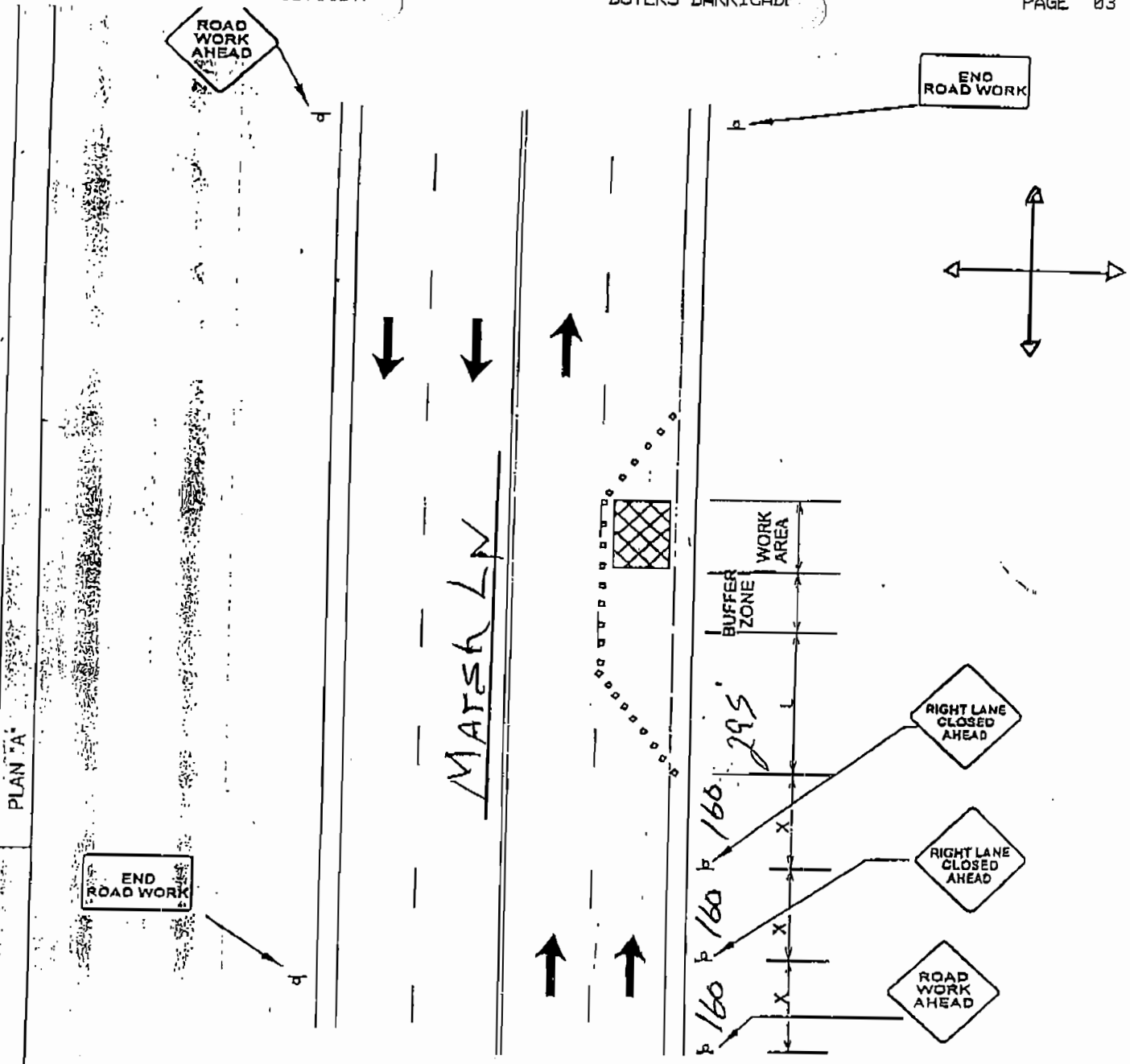


3705 E. 1<sup>ST</sup> STREET - FORT WORTH, TEXAS 76111



This drawing is in accordance with the latest edition of the Texas manual on Uniform Traffic Control Devices.





PLAN "A"

DATE: 3/1/2000

This plan is submitted for TCP. I certify this plan will be used for the following location(s):

Marsh Lane @ Brookhaven Club Dr

and that all channelizing devices will conform to "General Notes" as shown on the back.

Signature: Steve Lappa

Date: 1-15

TYPICAL TWO WAY STREET  
ONE LANE CLOSURE

Note: See reverse side for General Notes and Device Spacing.

PLAN "A"

**BIRKHOFF, HENDRICKS & CONWAY, L.L.P.**  
**CONSULTING ENGINEERS**

7502 Greenville Ave., #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

JOHN W. BIRKHOFF, P.E.  
RONALD V. CONWAY, P.E.  
GARY C. HENDRICKS, P.E.  
JOE R. CARTER, P.E.  
PAUL A. CARLINE, P.E.  
MATT HICKEY, P.E.  
DOUGLAS K. SHOWERS, P.E.  
ROSS L. JACOBS, P.E.

December 31, 2002

Mr. Steven Z. Chutchian, P.E.  
Assistant City Engineer  
Town of Addison  
P. O. Box 9010  
Addison, Texas 75001-9010

Re: Brookhaven Club Sanitary Sewer

Dear Mr. Chutchian:

As requested, we are enclosing the electronic drawing of plan sheet number one of the Brookhaven Club Sanitary Sewer plans for the Town's use. These electronic files are being transmitted under the following conditions:

1. The electronic files are compatible with AutoCAD Release 15 or 2000, operating on an IBM compatible PC using Windows NT.
2. Birkhoff, Hendricks & Conway, L.L.P. does not make any warranty as to the compatibility of these files beyond the specified release of the above stated software.
3. Because data stored on electronic media can deteriorate undetected or be modified, the Town of Addison agrees that Birkhoff, Hendricks & Conway, L.L.P. will not be held liable for completeness or correctness of electronic media after an acceptance period of fourteen days after delivery of these files.
4. The electronic files are instruments of our service. Where there is a conflict between the hard copy drawings and the electronic files, the hard copy files will govern in all cases.
5. Both parties acknowledge mutual non-exclusive ownership of the electronic files and each party may use, alter, modify or delete the files without consequence to the other party.
6. All electronic files provided to the Town of Addison will not contain engineer's seal, handwritten dates and signatures.

By using the electronic file, the user accepts the above conditions.

We are available at your convenience to discuss any questions you may have with the electronic file of sheet one of the Brookhaven Club Sanitary Sewer project.

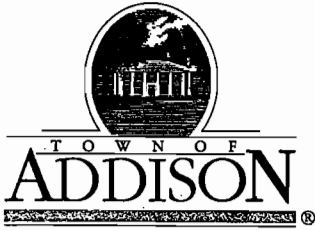
Sincerely,



John W. Birkhoff, P.E.

Enclosure

cc: Mr. Slade Strickland



FINANCE DEPARTMENT/PURCHASING DIVISION

E-mail [msuh@ci.addison.tx.us](mailto:msuh@ci.addison.tx.us)

Facsimile (972) 450-7096

5350 Belt Line Road

P.O. Box 9010

(972) 450-7091

Addison, Texas 75001

December 23, 2002

Barson Utilities, Inc.  
Ronald E. Barson, President  
5326 W. Ledbetter  
Dallas, TX 75236

**NOTICE TO PROCEED: Brookhaven Club Sanitary Sewer Line**

Dear Mr. Barson:

Receipt of this document authorizes your company to provide all labor and materials as outlined in the specifications, and under the terms and conditions of the contract documents for Bid No: 02-45 to start January 6, 2003.

You should contact Steve Chutchian, City Engineer at 972-450-2886 or Luke Jalbert, Project Manager, at 972-450-2860, regarding the project. If I can be of assistance to you, please contact me at 972-450-7091.

Sincerely,

Minok Suh  
Purchasing Coordinator  
Town of Addison

Copy: Steve Chutchian  
Luke Jalbert



**Steve Chutchian**

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**From:** Luke Jalbert  
**Sent:** Monday, December 02, 2002 3:08 PM  
**To:** Jim Pierce; Steve Chutchian; Michael Murphy  
**Subject:** Brookhaven club sewer

I just talked with the gentlemen with Barsons, who is doing the Brookhaven club sewer job. (well, supposedly doing the Brookhaven club sewer job). They said that they have been unable to get the 10" pipe that is required, and it won't be ready for about 2 weeks. Because all of these workers are going back to Mexico for the holidays, he would only be able to field a skeleton crew until after new years. He wanted to be able to start then. On one hand, I want to get this thing rolling, it's taken way to long. On the other hand, I don't want them to get out there, dig a big hole, then pack up for the holidays, or only work with a skeleton crew. thoughts? opinions?

12/3/02  
NOTE to proceed to be  
EFFECTIVE 1/2/03  
SJC.

**RESOLUTION NO. R02-091**

A RESOLUTION BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, AUTHORIZING THE CITY MANAGER TO ENTER INTO A CONTRACT IN THE AMOUNT OF \$512,828.00 WITH BARSON UTILITIES, INC. FOR CONSTRUCTION OF THE BROOKHAVEN CLUB SANITARY SEWER LINE PROJECT.

WHEREAS, staff determined that repair is needed of an existing sanitary sewer main adjacent to Brookhaven Club Drive; and,

WHEREAS, a new 10" sanitary sewer main will also be constructed to eliminate an aerial sanitary sewer line that crosses Farmer Branch Creek; and,

WHEREAS, the new sanitary sewer main will provide added wastewater flow capacity; and,

WHEREAS, Barson Utilities successfully completed construction of several related improvement projects for other municipalities in the area; now therefore,

BE IT RESOLVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS:

THAT, the City Council does hereby authorize the City Manager to enter into a contract in the amount of \$512,828.00 with Barson Utilities, Inc. for construction of the Brookhaven Club Sanitary Sewer Line project.

DULY PASSED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, this the 22<sup>nd</sup> day of October 2002.



\_\_\_\_\_  
Mayor

ATTEST:



\_\_\_\_\_  
City Secretary

**CONSENT OF  
SURETY COMPANY  
TO FINAL PAYMENT**

OWNER   
ARCHITECT   
CONTRACTOR   
SURETY   
OTHER

AIA DOCUMENT G707

Bond No. PRF8668892

PROJECT: Brookhaven Club Sanitary Sewer Line (Bid No. 02-45)  
(name, address) Addison, Texas

TO (Owner) [ Town of Addison  
5300 Beltline Road  
Addison, TX 75240

ARCHITECT'S PROJECT NO:

CONTRACT FOR: Construction

CONTRACT DATE: October 22, 2002

CONTRACTOR: Barson Utilities, Inc.  
5326 West Ledbetter  
Dallas, TX 75236

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the  
(here insert name and address of Surety Company)

Colonial American Casualty and Surety Company  
12222 Merit Drive #700  
Dallas, TX 75251

, SURETY COMPANY,

on bond of (here insert name and address of Contractor)

Barson Utilities, Inc.  
5326 West Ledbetter  
Dallas, TX 75236

, CONTRACTOR,

hereby approves of the final payment to the Contractors, and agrees that final payment to the Contractor shall not relieve  
the Surety Company of any of its obligations to (here insert name and address of Owner)

Town of Addison  
5300 Beltline Road  
Addison, TX 75240

, OWNER,

as set forth in the said Surety Company's bond.

IN WITNESS WHEREOF,

the Surety Company has hereunto set its hand this 21st day of May, 2003

Colonial American Casualty and Surety Company  
Surety Company

*Patricia Bartlett*  
Signature of Authorized Representative

Patricia Bartlett Attorney-In-Fact  
Title

Attest:  
(Seal):

NOTE: This form is to be used as a companion document to AIA DOCUMENT G706, CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS,  
Current Edition

**EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

“Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertaking, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,...and to affix the seal of the Company thereto.”

**EXTRACT FROM BY-LAWS OF COLONIAL AMERICAN CASUALTY AND SURETY COMPANY**

“Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertaking, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,...and to affix the seal of the Company thereto.”

**CERTIFICATE**

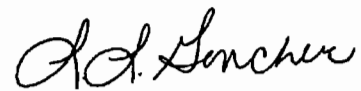
I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the respective By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990 and of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed."

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies,

this 21st day of May, 2003.



Assistant Secretary

**Power of Attorney  
FIDELITY AND DEPOSIT COMPANY OF MARYLAND  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY**

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by PAUL C. ROGERS, Vice President, and T. E. SMITH, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint **Sam J. MULLEN, JR., John W. NEWBY, R. Don HURST, Patricia BARTLETT, Julie HOGUE, Ray WATSON, Carol GOODENOUGH and Debbie SMITH, all of Dallas, Texas, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed, **any and all bonds and undertakings** Error! Unknown op code for conditional. and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Sam J. MULLEN, JR., John W. NEWBY, R. Don HURST, Patricia BARTLETT, Julie HOGUE, Ray WATSON, Carol GOODENOUGH, Debbie SMITH, dated February 5, 2003.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, this 21st day of February, A.D. 2003.

ATTEST:

**FIDELITY AND DEPOSIT COMPANY OF MARYLAND  
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY**



*T. E. Smith*

T. E. Smith

Assistant Secretary

By: *Paul C. Rogers*

Paul C. Rogers

Vice President

State of Maryland }  
City of Baltimore } ss:

On this 21st day of February, A.D. 2003, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came PAUL C. ROGERS, Vice President, and T. E. SMITH, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and saith, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument is the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



*Sandra Lynn Mooney*

Sandra Lynn Mooney

Notary Public

My Commission Expires: January 1, 2004

Passed  
10-22-02

#R11-1

Council Agenda Item: #R11

**SUMMARY:**

This item is for the award of a contract to Barson Utilities, Inc., for construction of the Brookhaven Club Sanitary Sewer Line Project.

**FINANCIAL IMPACT:**

Budgeted Amount: \$550,000.00

Construction Cost: \$512,828.00

Source of Funds: Funds are available from FY 2002-03 Water and Sewer Fund, as indicated in the Five Year Capital Replacement Program.

**BACKGROUND:**

The Public Works Department established the need for the rehabilitation of an existing 10" sanitary sewer main adjacent to Brookhaven Club Drive. In addition, a new 10" sanitary sewer main will be constructed at this location, in order to eliminate an aerial sanitary sewer line that crosses Farmers Branch Creek, and to provide added wastewater flow capacity. The firm of Birkhoff, Hendricks, & Conway, L.L.P. prepared engineering plans and specifications for construction of these improvements.

Attached is a bid tabulation for this project. The bid proposal in the specifications for construction was structured to provide an incentive/disincentive method of bidding the improvements. Specifically, each bid submitted was required to consist of two parts whereby:

- a. The Contractor submits a standard bid (A), which is the summation of the products of the estimated quantities shown in the proposal, multiplied by their bid unit prices.
- b. In addition, the Contractor submits a time bid (B), which is the product of the number of calendar days required to construct the project, determined by the Contractor, and the Daily Value established by the Town. The Daily Value was established in the contract at \$1,000. The number of calendar days is intended to include inclement weather, holidays, etc.

The lowest bid (Total) for award of the contract was determined as the lowest sum of the standard bid (A) plus time bid (B). The contract establishes the actual contract amount for payment to the successful contractor to be the value indicated in the standard bid (A). Also included in the bidding process was a provision whereby the Contractor is awarded an incentive payment if construction is completed prior to the number of calendar days he submitted. The total amount of the incentive is the product of the Daily Value (\$1,000) and number of days the Contractor completes the project prior to the established contract time. Accordingly, the contract provides for a disincentive amount to be established based on the product of the Daily Value (\$1,000) and amount of time that the Contractor exceeds the established contract time. The total incentive payment cannot exceed \$25,000. However, there is no limit to the amount of disincentive reduction (same as liquidated damages) from the Contractor's final payment that the Town will impose for going over the contract time limit.

Barson Utilities, Inc. submitted the lowest Total bid (A + B), in the amount of \$602,828.00 and 90 calendar days. The actual amount of the standard bid (A) recommended for award is \$512,828.00. This amount is within the engineering estimate of \$550,000. In addition, the Engineer estimated that it would take approximately 120 calendar days to complete a project of this magnitude and complexity. The number of calendar days submitted by Barson Utilities, Inc. (90 calendar days) represents a potential reduction of total construction time by approximately 1 month. The contractor was subject to an extensive reference check by the Engineer and staff, and was found to have successfully completed construction of several related improvements in other municipalities in the area.

**RECOMMENDATION:**

Staff recommends that Council authorize the City Manager to enter into a contract with Barson Utilities, Inc., for the Brookhaven Club Sanitary Sewer Line Project, in the amount of \$512,828.00.

#R11-2

**Brookhaven Club Sanitary Sewer Line**

**BID NO 02-45**

**DUE: October 1, 2002**

**2:00 PM**

<b>BIDDER</b>	<b>SIGNED</b>	<b>Bid Bond</b>	<b>a1</b>	<b>a2</b>	<b>(A) Total 1-29</b>	<b>calendar days</b>	<b>(B) calendar days x1000</b>	<b>Total (A+B)</b>
John Burns	y	y	y	y	817,120.00	120	120,000.00	937,120.00
Barson Utilities	y	y	y	y	512,828.00	90	90,000.00	602,828.00

*Minok Suh*

Minok Suh, Purchasing Coordinator

*Corey Gayden*

Corey Gayden, Witness