

Mark in water line.
Replacement (2)

TOWN OF ADDISON PAYMENT AUTHORIZATION MEMO

v .		LW I MIEIA I	AUIN	UNIZAH	OIA INCIA			. • •
DATE: 12-(5	5/02	Claim#	*			Check \$	1,148.02	٠
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	Vendor No.				, , , , , , , , , , , , , , , , , , ,			
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, .	Zip Code					•		
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			* 4400		<u> </u>			
9912311	1.21	*			1	· •	1148.02	

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EXPLANATION	*:	MARS	$\mathcal{H} = \mathcal{L} A$	~E	un ter	PEPLACE	rent
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Store Chulchian
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: November 22, 2002

Post Office Box 9010

Addison, Texas 75001-9010

Attention: Mr. Steve Chutchian, P.E.

Statement No. 99123A (684)

Professional Services through October 27, 2002, in connection with Marsh Lane Waterline from Brookhaven Club Drive to Spring Valley

Additional Services - General Administration of Construction

Engineer Word Processor 4.5 Hrs. 5.5 Hrs.

698.21 376.52

\$ 1,074.73

Expense: Printing

58.96

Delivery Automobile 8.35 5.98

73.29

\$ 1,148.02

========

Total Contract Amount Current Billing Previous Billings Balance

\$59,390.00 1,148.02 52,212,90 \$ 6,029.08

ATTORNEYS AND COUNSELORS



ANGELA K. WASHINGTON 214,672,2144 AWASHINGTON@COWLESTHOMPSON.COM

November 7, 2002

Mr. Bill Shipp
Assistant to the City Manager/Economic Development
Town of Addison
P.O. Box 9010
Addison, TX 75001-9010

RE: Marsh Lane Waterline Easement Purchased from

Tarragon Brooks, LP

Dear Bill:

Enclosed for the Town's files is the title insurance policy for the Waterline Easement purchased from Tarragon Books, LP. Also enclosed is an endorsement to the policy deleting the arbitration provision. If you have any questions, please give me a call.

Sincerely,

Angela K. Washington

TYLER

AKW/yjr Enclosures

c(w/o Enclosures): Mr. Steve Chutchian

Mr. Kenneth Dippel, w/firm

TOWN OF ADDISON PAYMENT AUTHORIZATION MEMO

DATE:	10/30/02	Claim#	Check \$ 4,050.5
.:			
	Vendor No		
	Vendor Name	BIRKHOFF, HENDRICKS	(CONTRAY, L, L. P.
	Address	7502 GREENVILLE AL	e. #220
	Address	DALLAS, TEXAS	7523/
	Address		
	Zip Code		
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INVOICE # OR DESCRIPTION	FUND	DEPT	ОВЈ	PROJ	SAC	AMOUNT
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		1.14.5		<u> </u>	1 1 1 1	
99123A (614)	62	000	56570	93601	·	4050.51
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			•			

TOTAL # 4050,5/

EXPLANATION MARSH ON WATER Live Be PLACE TO LOT				
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		,	**************************************	
			 · .	
	-		 	

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: October 21, 2002

Post Office Box 9010

Addison, Texas 75001-9010

Attention: Mr. Steve Chutchian, P.E.

Statement No. 99123A (614)

Professional Services through September 29, 2002, in connection with Marsh Lane Waterline from Brookhaven Club Drive to Spring Valley

<u>Additional Services - Bidding Process</u>

Engineer	9.0 Hrs.	\$ 1,396.42
Engineer	1.5 Hrs.	194.86
Word Processor	7.5 Hrs.	488.04

\$ 2,079.32

Additional Services - Redesign

AutoCAD Tech I	14.0 Hrs.	\$ 1,310.88
AutoCAD Tech II	3.0 Hrs.	223.37
Drafting	6.0 Hrs.	142.89
Survey	2.0 Hrs.	82.99
Word Processor	2.0 Hrs.	<u>145.06</u>

\$ 1,905.19

Expense: Printing 66.00

1.971.19

\$ 4,050.51

Total Contract Amount Current Billing Previous Billings Balance

\$59,390.00 4,050.51 48,162.39 \$ 7,177.10

TOWN OF ADDISON PAYMENT AUTHORIZATION MEMO

DATE: 10/9/02	Claim# Ch	eck\$ <u>55,325.6</u>
.:		
Vendor	No	
Vendor Na	ame Rycon, Inc.	
Addr	ess /322/ BEE ST.	
Addr	ess FARMERS BRANCH,	TEXAS
Addr	ress 7.5 .	234
Zip C		

INVOICE # OR DESCRIPTION	FUND	DEPT	ОВЈ	PROJ	SAC	AMOUNT
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#3 & FINAL	62	000	58210	93601	:	30;325,67
	62	000	58210	93601		23,000.00
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TOTAL

EXPLANATION	· · · ·	FINAL PAYME	it films	ENTHE PAYMEN
	on	MARSH LN.	WATER	PERUCENEM
	70	Ry con, Inc		
				•

Authorized Signature

Finance

MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

retainage က **ESTIMATE NO:**

FROM: 08/31/02

TO: 01/00/00

JOB#275

BID	PAVING & DRAINAGE ITEMS	L	BID	COST	QUAN. TO DATE	PREVIOUS MONTHLY COMPLETE TOTAL	MONTHLY TOTAL	GONTRACT	VALUE OF WORK COMPLETE
-	8"PVC WATER LINE OPEN CUT	5	2015	\$36.00	1912.00	2048.00	-136.00	\$72,540.00	\$68,832.00
N	8"PVC WATER LINE BORED(16")	11	390	\$49.00	493.00	357.00	136.00	\$19,110.00	\$24,157.00
m	6"PVC WATER LINE OPEN CUT	1	85	\$38.00	75.00	75.00	00'0	\$3,230.00	\$2,850.00
4	2"SERVICE CONNECTION	EA	\$	\$1,200.00	12.00	12.00	00'0	\$18,000.00	\$14,400.00
S	NEW METER w BOX	EA	18	\$450.00	24.00	24.00	00'0	\$8,100.00	\$10,800.00
ဖ	8"GATEVALVE	EA	6	\$725.00	9.00	9.00	00'0	\$6,525.00	\$6,525.00
_	6"GATEVALVE	EA		\$600.00	7.00	7.00	00.00	\$4,200.00	\$4,200.00
80	STAN.FIRE HYDRANT	Ē	_	\$1,775.00	7.00	7.00	00'0	\$12,425.00	\$12,425.00
6	2"COPPER WATER LINE	4	160	\$20.00	130.00	130.00	00'0	\$3,200.00	\$2,600.00
12	CUT & PLUG 8"	EA	Q	\$850.00	5.00	5.00	00'0	\$4,250.00	\$4,250.00
-	CONNECT TO EX.8"	EA	4	\$1,650.00	4.00	4.00	00'0	00:009'9\$	\$6,600.00
72	DIFITTINGS	LBS	_	\$5,000.00	1,00	1.00	00'0	00'000'5\$	\$5,000.00
133	REM.EX.6"S.S./REPL.w 6"PVC	٢	38	\$75.00	0.00	00.0	00.0	\$2,700.00	\$0.00
14	CONNECT TO EX.6"SAN.SEW.	EA	4	\$800.00	00.00	00.0	00.0	\$3,200.00	\$0.00
ť	REM.EX.8"PAVING	λS	600	\$10.00	656.75	656.75	00.0	\$6,000.00	\$6,567.50
16	NEW 10"PAVING	ЗY	600	\$40.00	656.75	656.75	0.00	\$24,000.00	\$26,270.00
11	REM.&REP8"CONC.DRIVE	SΥ	325	\$33.00	230.81	230.81	00.0	\$10,725.00	\$7,616.73
#	REM.&REP. HMAC PAVING	Z	20	\$75.00	15.00	00.0	15.00	\$3,750.00	\$1,125.00
49	REM.&REP. 4" SIDEWALK	λ	300	\$35.00	339.00	339.00	0.00	\$10,500.00	\$11,865.00
20	1" HMAC OVERLAY	Z	150	\$61.00	240.50	00.00	240.50	\$9,150.00	\$14,670.50
21	REM.& REP.6"MONO CURB w DOWELS	L	150	\$9.00	251.00	251.00	00'0	\$1,350.00	\$2,259.00
22	REM.& REP.6"MONO CURB AND GUTTER	ı	632	\$15.00	268.00	268.00	00.0	\$9,480.00	\$4,020.00
23	FULL DEPTH SAW CUT	<u> </u>	3262	\$4.00	3178.00	3178.00	00.00	\$13,048.00	\$12,712.00
24	gos	AC	0.25	\$22,000.00	0.17	00.00	0.17	\$5,500.00	\$3,740.00
25	REM.EX.TREES&REP.w 3"BRADFORD PEARS	EA	ť	\$700.00	00'0	00'0	0.00	\$2,100.00	00.0\$
26	REM.EX.HYDRNT	EA	2	\$650.00	00.9	6.00	0.00	\$3,250.00	\$3,900.00
27	BARRICADES	LS	-	\$4,500.00	1.00	1.00	00.0	\$4,500.00	\$4,500.00
28	SILT FENCE	LF.	009	\$4.00	578.00	578.00	00.0	\$2,400.00	\$2,312.00
23	TRENCH SAFETY	L	2486	\$7.00	2475.00	2475.00	0.00	\$17,402.00	\$17,325.00
30	TRENCH SAFETY PLAN	2	Y	\$10,000.00	1.00	1.00	00.0	\$10,000.00	\$10,000.00
31	ABAN.EX.IN PLACE 8"VALVE	EA	S.	\$125.00	7.00	7.00	00.00	\$625.00	\$875.00
32	ABAN.EX.IN PLACE FOR HYD.LEADS	Ą	S	\$310.00	00.9	00.9	00.00	\$1,550,00	\$1.860.00

33	2"AIRVAC.ASSY.w 2"GATE VALVE	Ē		\$2,000.00	2.00	2:00	00.00	\$2,000.00	\$4,000.00
*	IRRIGATION REPAIRS	2	-	\$5,000.00	1.00	1.80	0.00	\$5,000.00	\$5,000,00
							A		
								\$311,410.00	\$303,256.73
	PREVIOUS ESTIMATES								
	EST#1	\$185	\$185,596.20		DRIGINAL C	ORIGINAL CONTRACT AMOUNT	MOUNT		\$311,410.00
	EST#2 EST#3	, , <u>, , , , , , , , , , , , , , , , , </u>	68,161.71 19.173.15		AMOUNT OF	AMOUNT OF WORK COMPLETED APPROVED CHANGE ORDERS	PLETED DERS		\$303,256.73 \$0.00
	EST#4			., , , , , , , , , , , , , , , , , , ,	FSS 10% F	TOTAL COMPLETED TO DATE LESS 10% RETAINAGE)ATE		\$303,256.73
,	TOTAL PREVIOUS PAYMENTS	\$25.	\$272,931.06		AMOUNT PE	AMOUNT PREVIUSLY PAID TOTAL AMOUNT DUE THIS ESTIMATE	D IS ESTIMA	Щ	\$272,931.06 \$30,325.67
	RYCON INC								
	13221 BEE ST.								
	PH#972.484.0968 / FX#972-484.8974								
	Mann Fleller								
	DENIMS RIGULLEY	0	DATE						
	Store Chart mon	`	10/9/02						
	APPROVED BY		DATE						
-									

MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

incentive (*) ESTIMATE NO:

08/31/02

FROM:

01/00/00

\$2,312.00 \$0.00 \$0.00 \$0.00 \$68,832.00 \$24,157.00 \$2,850.00 \$14,400.00 \$10,800.00 \$6,525.00 \$12,425.00 \$4,250.00 \$6,600.00 \$5,000.00 \$26,270.00 \$1,125.00 \$11,865.00 \$4,020.00 \$12,712.00 \$3,740.00 \$875.00 \$1,860.00 \$4,200.00 \$2,600.00 \$6,567.50 \$7,616.73 \$14,670.50 \$2,259,00 \$3,900.00 \$4,500.00 \$10,000.00 WORK COMPLET VALUE OF \$4,250.00 \$6,600.00 \$2,700.00 \$19,110.00 \$3,230.00 \$18,000.00 \$8,100.00 \$6,525.00 \$4,200.00 \$12,425.00 \$3,200.00 \$5,000.00 \$6,000.00 \$24,000.00 \$10,725.00 \$3,750.00 \$2,100.00 \$72,540.00 \$10,500.00 \$9,150.00 \$1,350.00 \$9,480,00 \$13,048.00 \$5,500.00 \$3,250.00 \$4,500.00 \$2,400.00 \$17,402.00 \$10,000.00 \$625.00 \$1,550.00 CONTRACT AMOUNT 240.50 MONTHUY 0.00 0.00 0.00 0.00 0.0 0.00 0.00 0,00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 15.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 136.00 0.17 -136.00 TOTAL PREVIOUS COMPLETE 130.00 75.00 12.00 9.00 7.00 5.00 4.00 1.00 0.00 0.00 1.00 24.00 7.00 0.00 339.00 0.0 0.00 6.00 578.00 6.00 656.75 656.75 0.00 1.00 2048.00 357.00 230.81 251.00 268.00 3178.00 2475.00 QUAN: TO DATE 24.00 9.00 656.75 75.00 12.00 7.00 7.00 130.00 5.00 4.00 1.00 0.00 0.00 15.00 339.00 0.00 1.00 7.00 6.00 493,00 656.75 578.00 1912.00 240.50 251.00 3178.00 6.00 4.00 268.00 2475.00 230.81 0.17 \$40.00 \$35.00 \$10.00 \$33.00 \$61.00 \$9.00 \$4.00 \$4.00 \$36.00 \$49.00 \$38.00 \$1,200.00 \$75.00 \$75.00 \$10,000.00 \$450.00 \$725.00 \$600,00 \$1,775.00 \$20.00 \$850.00 \$1,650.00 \$5,000,00 \$800.00 \$15.00 \$22,000.00 \$700.00 \$650.00 \$4,500.00 \$125.00 \$310.00 COST OIY 2015 3262 2486 160 0.25 <u>0</u> 390 9 325 300 150 600 Ť 900 150 632 85 \$ 36 8 O O য 4 2 2 LBS EA ΕA EA Ā AC ДA EA 집 EAE S EA EA ۳ 2 S \ S \ 3 2 XS. Z 쁘 REM.EX.TREES&REP.w 3"BRADFORD PEAR REM.& REP.6"MONO CURB AND GUTTER REM.& REP.6"MONO CURB w DOWELS PAVING & DRAINAGE ITEMS ABAN.EX.IN PLACE FOR HYD.LEADS 8"PVC WATER LINE BORED(16" 8"PVC WATER LINE OPEN CUT 6"PVC WATER LINE OPEN CUT CONNECT TO EX.6"SAN.SEW REM.EX.6"S.S./REPL.w 6"PVC ABAN.EX.IN PLACE 8"VALVE REM.&REP..8"CONC.DRIVE REM. & REP. HMAC PAVING 2"SERVICE CONNECTION REM.&REP. 4" SIDEWALK 2"COPPER WATER LINE TRENCH SAFETY PLAN FULL DEPTH SAW CUT STAN.FIRE HYDRAN NEW METER W BOX CONNECT TO EX.8" 1" HMAC OVERLAY REM.EX.8"PAVING TRENCH SAFETY NEW 10"PAVING REM.EX.HYDRN 8"GATEVALVE CUT & PLUG 8" 6"GATEVALVE BARRICADES DI FITTINGS SOD BID TEM 10 <u>***</u> سه (ب) <u>1</u> 16 25 26 4 с: Т 43 20 22 23 2 83 23 200 31 32 m T ιU Ø 00 O ____ 5 27

						\$303,256.73	\$30	TOTAL PREVIOUS PAYMENTS
\$0.00			ETAINAGE	ESS 10% RETAINAGE	1			EST#5
\$326,256.73		DATE	<i>FOTAL COMPLETED TO DATE</i>	OTAL COM	⊢	\$30,325.67	\$30,3	RETAINAGE
\$0.00		DERS	APPROVED CHANGE ORDERS	PPROVED (4	\$19,173.15	\$19,1	EST#3
\$326,256.73		APLETED	AMOUNT OF WORK COMPLETED	MOUNT OF	A	51.71	68,161.7	EST#2
\$336,410.00		MOUNT	DRIGINAL CONTRACT AMOUNT	RIGINAL CO	0	596.20	\$185,596.	EST#1
								PREVIOUS ESTIMATES
\$326,256.73	\$336,410.00							
\$23,000.00	\$25,000.00	0.92	00.0	0.92	\$25,000.00	-	LS	INCENTIVE
\$5,000.00	\$5,000.00	0.00	1.00	1.00	\$5,000.00	_	S	IRRIGATION REPAIRS
\$4,000.00	\$2,000.00	00.0	7.00 -	2.00	\$2,000.00	, -	 	Z"AIRVAC.ASSY.W Z"GATE VALVE

RYCON INC

\$303,256.73 \$23,000.00

TOTAL AMOUNT DUE THIS ESTIMATE

AMOUNT PREVIUSLY PAID

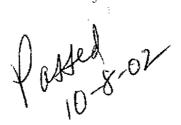
PH#972,484,0968 / FX#972,484.8974 13221 BEE ST. FARMERS BRANCH TX.75234

DENNIS RIGHTLEY

DATE

APPROVED BY

#26-1



Council Agenda Item:

#26

SUMMARY:

This item is for final payment and acceptance of improvements performed by Rycon, Inc., for the Marsh Lane Water Main Replacement Project.

FINANCIAL IMPACT:

Budgeted Amount:

\$500,000.00

Construction/Incentive Cost:

\$326,256.73

Source of Funds:

Funds are available from FY 2001-02 Water and Sewer Fund, as indicated in the Five Year Capital

Replacement Program.

BACKGROUND:

The Public Works Department established a need for the replacement of an existing 8" water main along the east side of Marsh Lane, from Brookhaven Club Drive to Spring Valley Road. This project was the result of numerous water main breaks in the area that continuously disrupted service to adjacent commercial businesses. A contract was awarded to Rycon, Inc. for construction of this project. The original contract price for these improvements was \$311,410.00. The final construction cost of this project was \$303,256.73, which represents an \$8,153.27 reduction from the original contract amount. 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 23 calendar days prior to the established 90 day period set forth in the contract. Consequently, the total value of this project is increased by \$23,000.00 (23 days x \$1,000/day) to \$326,256.73, which reflects the addition of the incentive payment to the final construction cost.

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 \$53,325.67, which includes an incentive payment, to Rycon, Inc., and accept construction of the Marsh Lane Water Main Replacement Project.

MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

retainage

(^)

ESTIMATE NO:

FROM: 08/31/02

72

TO: 01/00/00

JOB#275

\$68,832.00 \$24,157.00 \$2,850.00 \$14,400.00 \$10,800.00 \$0.00 \$6,525.00 \$0.00 \$12,425.00 \$2,600.00 \$4,250.00 \$6,600.00 \$5,000.00 \$0.00 \$1,860.00 WORK COMPLET \$6,567.50 \$26,270.00 \$7,616.73 \$10,000.00 \$875.00 \$17,325.00 \$1,125.00 \$11,865.00 \$14,670,50 \$2,259.00 \$12,712.00 \$3,740.00 \$3,900.00 \$4,500.00 \$2,312.00 \$4,200.0 \$4,020.0 VALUE OF \$3,200.00 \$4,250.00 \$6,600.00 \$72,540.00 \$19,110.00 \$3,230.00 \$18,000.00 \$8,100.00 \$12,425.00 \$6,525.00 \$4,200.00 \$5,000.00 \$2,700.00 \$3,200.00 \$6,000.00 \$24,000.00 \$10,725.00 \$3,750.00 \$10,500.00 \$9,150.00 \$1,350.00 \$9,480.00 \$13,048.00 \$5,500.00 \$2,100,00 \$3,250.00 \$4,500.00 \$17,402.00 \$10,000.00 \$1,550.00 GONTRACT \$2,400.00 \$625,00 AMOUNT 0.00 0.00 0.00 PREVIOUS MONTHLY -136.00136,00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 240.50 0.00 15.00 0.00 0.00 0.00 0.17 0.00 000 0.00 0.00 0.00 0.00 0.00 0.00 TOTAL COMPLETE 12.00 75.00 24.00 130.00 357.00 9.00 7.00 7.00 5.00 4.00 1.00 0.00 2048.00 80.0 656.75 656.75 230.81 0.00 0.00 268.00 0.00 0.00 6.00 00. 339.00 251.00 3178.00 1.08 7.00 6.00 578.00 2475.00 TO DATE 493.00 75.00 12.00 24.00 9.00 CUAN 1912.00 7.00 7.00 130.00 5.00 4.00 1.00 0.00 0.00 240.50 251.00 230.81 15.00 656.75 656.75 339.00 268,00 0.00 6.00 1.00 3178,00 0.17 1.00 7.00 6.00 578.00 2475.00 \$49.00 \$38.00 \$36.00 \$1,200.00 \$20.00 \$450.00 \$725.00 \$1,775.00 \$850.00 \$600.00 \$1,650.00 \$5,000.00 \$800.00 \$33.00 \$15.00 \$75.00 \$10.00 \$75.00 \$4.00 \$40.00 \$9.00 \$35.00 \$61.00 \$22,000.00 \$700.00 \$650.00 \$4.00 \$7.00 \$4,500.00 \$10,000,00 \$125.00 \$310,00 285T BID 2015 390 85 π 18 160 9 600 325 3262 0.25 2486 150 150 300 632 O **c** 4 8 20 600 ** O LBS A A R EA E ۳ EA ΕÀ 1 <u>"</u> S Y EA EA S Z AC 3 Z S 4 造 5 S EA M REM.EX.TREES&REP.w 3"BRADFORD PEAR! REM.& REP.6"MONO CURB AND GUTTER REM.& REP.6"MONO CURB w DOWELS PAVING & DRAINAGE ITEMS ABAN. EX.IN PLACE FOR HYD. LEADS 8"PVC WATER LINE BORED(16" 6"PVC WATER LINE OPEN CUT 8"PVC WATER LINE OPEN CU REM.EX.6"S.S./REPL.w 6"PVC CONNECT TO EX.6"SAN.SEW ABAN.EX.IN PLACE 8"VALVE REM.&REP.,8"CONC,DRIVE REM. & REP. HMAC PAVING 2"SERVICE CONNECTION REM.&REP. 4" SIDEWALK 2"COPPER WATER LINE TRENCH SAFETY PLAN FULL DEPTH SAW CUT STAN, FIRE HYDRANI NEW METER w BOX CONNECT TO EX.8" REM.EX.8"PAVING 1" HMAC OVERLAY NEW 10"PAVING REM.EX.HYDRNT TRENCH SAFETY **8"GATEVALVE** CUT & PLUG 8" 6"GATEVALVE BARRICADES DI FITTINGS SILT FENCE SOD 10 5 <u>f...</u> Š 15 (") n Ø œ Ġ, # 16 9 \$ 20 25 21 22 233 26 28 29 27 'n

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MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

Ç 08/31/02 FROM: incentive (°) ESTIMATE NO:

JOB#275

01/00/00

\$68,832,00 \$24,157.00 \$2,850.00 \$14,400.00 \$10,800.00 \$6,525.00 \$4,200.00 \$12,425.00 \$2,600.00 \$4,250.00 \$0,00 SO.00 \$0.00 \$26,270,00 \$7,616,73 \$2,259,00 AMOUNT | WORK COMPLET \$6,600.00 \$5,000.00 \$6,567.50 \$1,125.00 \$11,865.00 \$14,670.50 \$4,020.00 \$12,712.00 \$3,740.00 \$10,000.00 \$875.00 \$1,860.00 \$3,900.00 \$4,500.00 \$2,312.00 \$17,325.00 VALUE OF \$72,540.00 \$19,110.00 \$3,230.00 \$18,000.00 \$8,100.00 \$4,200.00 \$12,425.00 \$3,200.00 \$6,525.00 \$4,250.00 \$6,600.00 \$5,000.00 \$2,700.00 \$3,200.00 \$6,000.00 \$24,000.00 \$10,725.00 \$3,750.00 \$10,500.00 \$9,150.00 \$1,350.00 \$9,480.00 \$13,048.00 \$5,500.00 \$2,100.00 \$3,250.00 \$4,500,00 \$2,400.00 \$17,402.00 \$625.00 CONTRACT \$10,000.00 \$1,550.00 00.00 0.00 0.00 0.00 0.0 0.0 0.00 MONTHLY 0.00 0.00 0.00 0.00 0.00 0.00 0.0 0.00 15.00 0.00 0.00 0.00 -136.000.00 0.00 0.00 0.00 136.00 240.50 0.17 0.00 800 0.00 0.00 0.00 TOTAL PREVIOUS COMPLETE 656.75 357.00 12.00 24.00 7.00 7.00 5.00 4.00 1.00 0.00 230.81 0.00 2048.00 75.00 9.00 130,00 0.00 656.75 000 339.00 0.00 6.00 1.00 8 7.80 268.00 3178.00 6.00 251.00 578.00 2475.00 0.00 TODATE QUAN. 12.00 24.00 9.00 7.00 5.00 4.00 1.00 0.00 0.00 656.75 339.00 240.50 1912.00 7.00 15.00 268.00 0.00 7.00 493.00 130,00 656.75 6.00 6.00 75.00 251.00 1.00 578.00 1.00 230.81 3178.00 2475.00 0.17 COST \$40.00 \$36.00 \$15.00 \$49.00 \$1,200.00 \$450.00 \$600.00 \$20,00 \$850.00 \$1,650.00 \$5,000,00 \$75.00 \$800.00 \$9.00 \$4.00 \$38.00 \$725.00 \$1,775.00 \$10,00 \$33.00 \$75.00 \$35.00 \$4.00 \$7.00 \$61.00 \$22,000.00 \$125.00 \$700.00 \$650.00 \$4,500,00 \$10,000,00 \$310.00 2015 BBD 390 160 009 3262 0.25 2486 009 325 300 150 150 900 85 632 i 8 50 38 O) t) ব な Ŋ S S LBS EA <u>"</u> EA Ā EΑ EA 4 Ā R ٢ S E TN AC S 2 S Z ΕA EA ద E S REM.EX.TREES&REP.w 3"BRADFORD PEAR REM.& REP.6"MONO CURB AND GUTTER REM.& REP.6"MONO CURB w DOWELS PAVING & DRAINAGE ITEMS ABAN.EX.IN PLACE FOR HYD.LEADS 8"PVC WATER LINE BORED(16" 8"PVC WATER LINE OPEN CUT 6"PVC WATER LINE OPEN CUT REM.EX.6"S.S./REPL.w 6"PVC CONNECT TO EX.6"SAN.SEW ABAN.EX.IN PLACE 8"VALVE REM. & REP., 8"CONC. DRIVE REM. & REP. HMAC PAVING 2"SERVICE CONNECTION REM. &REP. 4" SIDEWALK 2"COPPER WATER LINE TRENCH SAFETY PLAN FULL DEPTH SAW CUT STAN.FIRE HYDRANT NEW METER w BOX CONNECT TO EX.8" 1" HMAC OVERLAY REM.EX.8"PAVING **NEW 10"PAVING** REM.EX.HYDRNT TRENCH SAFETY CUT & PLUG 8" 8"GATEVALVE 6"GATEVALVE BARRICADES DI FITTINGS SILT FENCE SOD 910 10 ~ 14 5 16 8 Ç ထ ø 7 7 20 21 22 23 22 23 **5**8 28 53 30 2 2 2

2"AIRVAC.ASSY.w 2"GATE VALVE	EA		\$2,000.00	7.00	2.00	0.00	\$2,000.00	\$4,000.00
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INCENTIVE	<u>S</u>	*	\$25,000.00	0.92	0.00	0.92	\$25,000.00	\$23,000.00
				,	And the state of t		\$336,410.00	\$326,256.73
PREVIOUS ESTIMATES							,	
EST#1	\$185	\$185,596.20	ō	RIGINAL CO	DRIGINAL CONTRACT AMOUNT	FUND		\$336,410.00
EST#2	68,1	68,161.71	A	MOUNT OF	AMOUNT OF WORK COMPLETED	PLETED		\$326,256.73
EST#3	\$19	\$19,173.15	AA	PROVED (APPROVED CHANGE ORDERS	DERS		\$0.00
RETAINAGE	\$30	\$30,325.67	7	TAL COME	FOTAL COMPLETED TO DATE)ATE		\$326,256.73
EST#5			3	LESS 10% RETAINAGE	TAINAGE			\$0.00
TOTAL PREVIOUS PAYMENTS	\$30	\$303,256.73						
	4	•	A	MOUNT PR	AMOUNT PREVIUSLY PAID	a		\$303,256.73
			1	TAL AMO	FOTAL AMOUNT DUE THIS ESTIMATE	IS ESTIMAT	Ц	\$23,000.00

RYCON INC

13221 BEE ST. FARMERS BRANCH TX.75234 PH#972,484.0968.1FX#972-484.8974

DENNISACILLEY

APPROVED BY

DATE

DATE SUBMITTED: September 27, 2002 FOR COUNCILL MEETING: October 8, 2002

Council Agenda Item:

SUMMARY:

This item is for final payment and acceptance of improvements performed by Rycon, Inc., for the Marsh Lane Water Main Replacement Project.

FINANCIAL IMPACT:

Budgeted Amount: \$500,000.00

Construction/ Incentive Cost: \$326,256.73

Source of Funds: Funds are available from FY 2001-02 Water and

Sewer Fund, as indicated in the Five Year Capital

Replacement Program.

BACKGROUND:

The Public Works Department established a need for the replacement of an existing 8" water main along the east side of Marsh Lane, from Brookhaven Club Drive to Spring Valley Road. This project was the result of numerous water main breaks in the area that continuously disrupted service to adjacent commercial businesses. A contract was awarded to Rycon, Inc. for construction of this project. The original contract price for these improvements was \$311,410.00. The final construction cost of this project was \$303,256.73, which represents an \$8,153.27 reduction from the original contract amount. 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 23 calendar days prior to the established 90 day period set forth in the contract. Consequently, the total value of this project is increased by \$23,000.00 (23 days x \$1,000/day) to \$326,256.73, which reflects the addition of the incentive payment to the final construction cost.

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 \$53,325.67, which includes an incentive payment, to Rycon, Inc., and accept construction of the Marsh Lane Water Main Replacement Project.

MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

retainage (**) ESTIMATE NO:

08/31/02

FROM:

01/00/00 ä

JOB#275

\$11,865.00 \$68,832.00 \$24,157.00 \$2,850.00 \$14,400.00 \$10,800.00 \$4,200.00 \$12,425.00 \$0.00 WORK COMPLET \$6,525.00 \$2,600.00 \$0.00 \$4,250.00 \$5,000.00 \$0,00 \$6,600.00 \$6,567,50 \$26,270.00 \$7,616.73 \$1,125.00 \$2,259.00 \$4,020.00 \$3,740.00 \$3.900.00\$4,500.00 \$875,00 \$1,860.00 \$12,712.00 \$2,312,00 \$17,325.00 \$10,000.00 VALUE OF \$19,110.00 \$3,230.00 \$72,540.00 \$18,000.00 \$6,525.00 \$4,200.00 \$12,425.00 \$3,200.00 \$8,100.00 \$4,250.00 \$6,600.00 \$5,000.00 \$2,700.00 \$3,200.00 \$6,000.00 \$24,000.00 \$10,725.00 \$10,500.00 \$3,750,00 \$9,150.00 \$1,350.00 \$9,480.00 \$13,048.00 \$5,500.00 \$2,100.00 \$3,250.00 \$4,500.00 \$2,400,00 \$17,402.00 \$10,000.00 \$625.00 \$1,550.00 GONTRAC AMOUNT MONTHLY 0.00 0.000.00 00.0 0.00 0.00 0.00 0.00 0.00 0.0 0.00 -136.00 136.00 0.00 0.0 0.00 0.00 15.00 0.00 240.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0,17 0.00 0.00 0.00 TOTAL PREVIOUS COMPLETE 357.00 75.00 12.00 656.75 24.00 9.00 7.00 7.00 130.00 656.75 2048.00 5.00 4.00 100 0.00 0.0 339.00 0.00 268.00 0.00 0.00 0.00 6.00 6.00 230.81 1.00 1.00 2.00 251.00 3178.00 578.00 2475.00 TO DATE QUAN 75.00 12.00 24.00 9.00 2,00 7.00 1912.00 493.00 130.00 5.00 4.00 1.00 656.75 339.00 0.00 0.00 251.00 656.75 230.81 15.00 0.00 6.00 1.00 1.00 2,00 6.00 240.50 3178.00 0.17 578 00 2475.00 268.00 \$10.00 \$33.00 \$36.00 \$49.00 \$38.00 \$1,200.00 \$450,00 \$40.00 \$35.00 \$61.00 \$725.00 \$600.00 \$1,775.00 \$20.00 \$5,000,00 \$75.00 \$15.00 \$850.00 \$1,650.00 \$800.00 \$9.00 \$75,00 \$4.00 \$650.00 \$4,500.00 \$4.00 \$7.00 \$22,000.00 \$700.00 \$10,000.00 \$125.00 \$310.00 E Z LSCU E 2015 380 160 009 600 325 300 150 3262 0.25 2486 85 ņ 150 632 600 3 9 Φ. 20 S 4 Þ 3 U) 圴 ŗ LBS EA EA Ā EA EA EA 4 L EA Z ۲ AC ĒΑ S E A S SY λ Ľ ۲ Ā S 4 <u>"</u> REM.EX,TREES&REP.w 3"BRADFORD PEAR REM.& REP.6"MONO CURB AND GUTTER REM.& REP.6"MONO CURB w DOWELS **PAVING & DRAINAGE ITEMS** ABAN, EX, IN PLACE FOR HYD, LEADS 8"PVC WATER LINE BORED(16" 8"PVC WATER LINE OPEN CUT 6"PVC WATER LINE OPEN CUT REM.EX,6"S.S./REPL.w 6"PVC CONNECT TO EX.6"SAN.SEW ABAN.EX.IN PLACE 8"VALVE REM.&REP..8"CONC.DRIVE REM. & REP. HMAC PAVING 2"SERVICE CONNECTION REM.&REP. 4" SIDEWALK 2"COPPER WATER LINE FRENCH SAFETY PLAN FULL DEPTH SAW CUT STAN, FIRE HYDRANT NEW METER w BOX CONNECT TO EX.8" REM.EX.8"PAVING 1" HIMAC OVERLAY REM.EX.HYDRNT NEW 10"PAVING TRENCH SAFETY CUT & PLUG 8" 8"GATEVALVE 6"GATEVALVE BARRICADES DI FITTINGS SILT FENCE gos Ě ala 10 12 13 7 15 16 1 18 17 <u>C</u> 20 25 Φ œ ð 22 23 24 26 28 29 21 27

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MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

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JOB#275

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	INCENTIVE	2		\$25,000.00	0.92	0.00	0.92	\$25,000.00	\$23,000.00
			-					\$336,410.00	\$326,256.73
PRE	PREVIOUS ESTIMATES								
EST#1		\$185,596.20	396.20	O	ORIGINAL CONTRACT AMOUNT	NTRACT AM	OUNT		\$336,410.00
EST#2	22 22	68,161,71	11.71	4	AMOUNT OF WORK COMPLETED	WORK COMP	VETED		\$326,256.73
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	RYCON INC								
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CONTRACTOR'S AFFIDAVIT OF BILLS PAID

Notary Public in and for	COUNTY OF DALLAS	
Marsh Lane Water Line Replacement – From Brookhaven Club Drive to Spring Valley Road (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. Sand Dead Signature Signature Signature Finde Sworn to and subscribed before me this day of laboratory Public in and for		tive of RVCON, INC
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. Signapage Signapage Fixe of the construction of this project have, to the best of my knowledge and belief, been fully paid. Signapage Fixe of the construction of this project have, to the best of my knowledge and belief, been fully paid. Signapage Fixe of the construction of this project have, to the best of my knowledge and belief, been fully paid. Signapage Fixe of the construction of this project have, to the best of my knowledge and belief, been fully paid.	and that the contract for the construction of the project	et, designated as
Sworn to and subscribed before me this	Marsh Lane Water Line Replacement - F	
Sworn to and subscribed before me this 24 day of	has been satisfactorily completed and that all bills f	or materials, apparatus, fixtures, machinery and labor used in
Sworn to and subscribed before me this 24 day of 2002. Notary Public in and for	connection with the construction of this project have,	to the best of my knowledge and belief, been fally paid.
######################################	Municipal Control of the Control of	rot Sept 2002.

County, Texas

STATE OF TEXAS

STEVEN L. THOMAS AGENCY

5201 South Colony Blvd #545 The Colony, Texas 75056

Status Inquiry

·	ember 24, 2002 ntion: Town Of Addis Attn: Steve Ch	
RE:	Principal: Rycon, Project: Matsh L	Inc. ane Water Line Replacement
	Contract No: Contract Amount: Effective Date: Bond Number:	\$311,410.00 6/11/02 B21860875
Dear S	îr or Madam:	
and pro	s liability under the bo	we need a report on the progress of the job described above. Without affecting the nd described above, please provide us with the following information. Your completion of inquiry via fax would be appreciated. If you prefer, a mailed response would be fine.
1.	A.) Date of Cor. B.) Date of Fire	TIS COMPLETED, please state: upletion: Se PT., 2002 upletion: 10/9/02 upletion: 4303, 256. 73
2.	A.) Is work prop B.) The approxi C.) Amount pai	er IS NOT COMPLETE, please state: gressing satisfactorily? mate percentage complete: d to date: uppraid bills for labor materials or subcontractors?
5 .		unpaid bills for labor, materials, or subcontractors?
I .	Are any payments du If Yes, to whom?	te to the contractor assigned?
5.	Are any liens or with If Yes, from whom?	hold notices filed?
REMA	RKS: MA	
} <i>y:</i>	Stare Chu	When Date: 9/25/02 ENGINEER Phone: 972-450-2886

RYCON, INC.

September 6, 2002

Good Year Tire Store 14110 Marsh Lane Addison, Texas 75001

Subject: Removal of hedges

Dear Mr. Jeff Long,

As per our agreement this day September 6, 2002 Rycon, Inc. will remove the dead shrubs in front of your store and replace them with sod as you instructed. You will be responsible for the watering and maintenance of sod.

wner Date

JA/1. Las 9/6/62

Karl Koble

Data

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	The Brooks curb + gutter 2075' 6:3+ 4:+28.247.8'
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•	Drine curb 17'+25' 215' x20.5' 24.5' x13'
	24.5'x13'
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	26 x 2.3 (33/10' News
	16'curb 15:3'x 7.2' × 23'w × 21.1'
-	Groonbrook
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	12' fong doine.
_	-Asphill-6'27' + 3'x (7' 29x 3(8)
······································	3'x 21.9' + 3'x 22.8'
,	4.3'x24'
-	Sed. 8.6'x378' +U.5x4'

	Silverelle Green brook/Goodger 6x25 ADA 8x5'+9x5'
	65.8'x5+97.4x5+11.4x5 30-6'x5 8x8+8.3'x8.7'
راه ک <u>ح ۱۵</u>	8.4x5+87.2x5+37.5x5 9.8x2+164x21 8.5x8.5+
	Approach 31.8x12 29.3x5 +134x5 8.4x 8.8 45.5x4
-	165x75+9.7x3.3+\$10,10x7+6x20+1radius
-	Dave went 10.6×39+2.7×8.7'+4.8×20.7+4×5.3+5.7×/3+5×5.
•	5,31×862. +6,10x5,2+3,2x4,3+5,8x6,3x5,24394
•	7.1x22+4x5.2

TOWN OF ADDISON PAYMENT AUTHORIZATION MEMO

DATE: 8/8/02	Claim#Cl	neck\$ 185,596.2
Vendor No		
Vendor Name	RYCON, Inc.	
Address	13221 BEE ST.	
Address	FARM ERS BRANCH	, TX, 75234
Address		
Zip Code		

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
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TOTAL # 185,596.20

EXPLANATION	MARSH IN WATER	REPLACE	y ∈n-T
	CONSTRUCTION.	*	
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Authorized Signature	the second secon	Finance	

MONTHLY PAY ESTIMATE MARSH LN. WATER LINE REP. ADDISON

ESTIMATE NO:

FROM: 07/08/02

TO: 07/31/02

BID		3888	DIB	UNIT	QUAN.	PREVIOUS	MONTHLY	CONTRACT	VALUE OF
	PAVING & DRAINAGE ITEMS	UNIT	OTY	COST	TO DATE	COMPLETE	TOTAL	AMOUNT	Work Complete
	8"PVC WATER LINE OPEN CUT	4	2015	\$36.00	1806.00		1806.00	\$72,540.00	\$65,016,00
7	8"PVC WATER LINE BORED(16")	5	390	\$49.00	357.00		357.00	\$19,110.00	\$17,493.00
63	6"PVC WATER LINE OPEN CUT	"	85	\$38.00	70,00		70.00	\$3,230.00	\$2,660.00
4	2"SERVICE CONNECTION	EA	15	\$1,200.00	10.00		10.00	\$18,000.00	\$12,000.00
2	NEW METER w BOX	EA	18	\$450.00	00'0		00.0	\$8,100.00	←
9	8"GATEVALVE	EA	o,	\$725.00	8.00		8.00	\$6,525.00	\$5,800,00
7	6"GATEVALVE	EA	7	\$600.00	7.00		7.00	\$4,200.00	\$4,200.00
83	STAN.FIRE HYDRANT	EA	2	\$1,775.00	7.00		7.00	\$12,425.00	\$12,425.00
6	2"COPPER WATER LINE	LF	160	\$20.00	+		110.00	\$3,200.00	\$2,200.00
10	CUT & PLUG 8"	EA	ည	\$850.00	00'0		00.0	\$4,250.00	\$0.00
11	CONNECT TO EX.8"	EA	4	\$1,650.00	2.00		2.00	\$6,600.00	\$3,300.00
12	DI FITTINGS	LBS	_	\$5,000.00	0.95		0.95	\$5,000.00	\$4,750.00
13	REM.EX.6"S.S./REPL.w 6"PVC	<u>"</u>	36	\$75.00	00.0		00.00	\$2,700.00	\$0.00
4	CONNECT TO EX.6"SAN.SEW.	EA	4	\$800.00	00.00		00.0	\$3,200.00	\$0.00
15	REM.EX.8"PAVING	λS	900	\$10.00	601.00		601.00	\$6,000.00	\$6,010.00
1	NEW 10"PAVING	SΥ	009	\$40.00	601.00		00.100	\$24,000.00	\$24,040.00
12	REM.&REP8"CONC.DRIVE	SY	325	\$33.00	00.0		00'0	\$10,725.00	\$0.00
18	REM.&REP. HMAC PAVING	TN	20	\$75.00	00.00		00.0	\$3,750.00	\$0.00
19	REM.&REP. 4" SIDEWALK	SΥ	300	\$35.00	00.00		00'0	\$10,500.00	\$0.00
20	1" HMAC OVERLAY	Z	150	\$61.00			00'0	\$9,150.00	\$0.00
2	REM.& REP.6"MONO CURB w DOWELS	5	150	\$9.00	39.00		39.00	\$1,350.00	\$351
22	REM.& REP.6"MONO CURB AND GUTTER	4	632	\$15.00	0.00		00.00	\$9,480.00	\$0.00
23	FULL DEPTH SAW CUT	4	3262	\$4,00	2273.00		2273.00	\$13,048.00	\$9,092.00
24	dos	AC	0.25	\$22,000.00	00.0		00.0	\$5,500.00	\$0.00
25	REM.EX.TREES&REP.w 3"BRADFORD PEAR!	EA	က	\$700.00	00'0		00'0	\$2,100.00	\$0.00
26	REM.EX.HYDRNT	EA	5	\$650.00	00.00		00.0	\$3,250.00	\$0.00
27	BARRICADES	Ŋ	_	\$4,500.00	1.00		1.00	\$4,500.00	\$4,500.00
28	SILT FENCE	5	009	\$4.00	00.0		00'0	\$2,400.00	\$0.00
29	TRENCH SAFETY	4	2486	\$7.00	2233.00		2233.00	\$17,402.00	\$15,631.00
30	TRENCH SAFETY PLAN	rs.	,	\$10,000.00	1.00		1.00	\$10,000.00	\$10,000.00
31	ABAN, EX.IN PLACE 8"VALVE	EA	5	\$125.00	00'0		0.00	\$625.00	\$0.00
32	ABAN.EX.IN PLACE FOR HYD.LEADS	Ą	5	\$310.00	0.00		0.00	\$1,550.00	\$0.00

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-33	2"AIRVAC.ASSY.W 2"GATE VALVE	EA	-	\$2,000.00	1,00		1.00	\$2,000.00	\$2,000.00
34	IRRIGATION REPAIRS	rs F	-	\$5,000.00	0.95		0.95	\$5,000.00	\$4,750.00
				The second secon				\$311,410.00	\$206,218.00
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TRENCH SAFETY SPECIFICATIONS FOR MARSH LANE WATER LINE

CITY OF ADDISON, TEXAS

Prepared for RYCON CONSTRUCTION

Project # 6915

TREN-TECH COMPANY 828 HOWELL DR. COPPELL, TEXAS 75019 972-304-2171



I have reviewed these Trench Safety Guidelines and find that the recommendations and procedures conform to OSHA guidelines and regulations. The calculations herein are consistent with generally accepted engineering practice.

REGISTERED PROFESSIONAL ENGINEER

DATE

<u> 7. 3. 02</u>

1.0 DESIGN ASSUMPTIONS

- 1.1 General. These specifications cover the basic requirements for shoring and/or sloping of excavations for the installation of WATER LINES for the MARSH LANE WATER LINE REPLACEMENT in the CITY of ADDISON, TEXAS.
- 1.2 This specification addresses the safety of workers in a trench excavation and does not, in any way relieve the Contractor of his responsibility and liability to ensure the safety of the project and workers.
- 1.3 It is not the intent of these specifications to specify every detail and procedure of the trenching/shoring operations; nevertheless, they shall conform to the high standards of engineering and of safe trench excavation.
- 1.4 The personnel protection systems shown in these specifications have been designed based on information obtained from the project drawings and specifications.
- 1.5 In accordance with Revised OSHA (Appendix A to Subpart P effective March 2,1990), the Contractor's "Competent Person" will conduct the required Soil Classification Tests. If soils other than those previously identified are found, this specification will be revised. During construction, the Contractor's "Competent Person" will monitor the soil classification as required by OSHA 1926.
- 1.6 Contractor shall be responsible for selecting the appropriate safety system option shown in these specifications, depending on trench depth and soil conditions.
- 1.7 The protection of existing structures and utilities which may be affected by these trench excavations is beyond the scope of this report (See Sect.4.2)
- 1.8 The Contractor must identify a "Competent Person" in the Contractor's firm responsible for performing inspections of the excavations to ensure that expected subsurface conditions are present. NOTE-This person must be "Competent" as described in OSHA 1926.650(b).
- 1.9 It is the Contractor's responsibility to ensure that all excavation work and site conditions are within the regulations as established by OSHA. Any property damage or bodily injury (including death) arising from the use of these specifications, from the Contractor's negligence in performance of contract work, or from Owner's failure to note exceptions to these specifications shall remain the sole responsibility and liability of the contractor.

2.0 DEFINITIONS

- 2.1 All definitions of section 1926.653 of Subpart P, Part 1926, of the Code of Federal Regulations shall be by reference an integral part of this section.
- 2.2 "Sealing Engineer"- The engineer whose Texas seal is affixed to these specifications.
- 2.3 "The Contractor"-The contractor responsible to the owner for the excavation work described herein.
- "Competent" as described in OSHA 1926.650(b).

3.0 APPLICABLE CODE AND STANDARDS

- 3.1 The Contractor shall perform all shoring work under this contract in accordance with all applicable codes and standard safety requirements and regulations including:
 - 3.1.1 OSHA 2207, Construction Industry Standards (Part 1926, Occupational Safety and Health Standards)
 - 3.1.2 AISC Code of Standard Practice.
 - 3.1.3 AISC Specifications of the design, fabrication, and erection of steel buildings
 - 3.1.4 AITC Timber Construction Manual
 - 3.1.5 AWS D1.1 Structural Welding Code
 - 3.1.6 The Uniform Building Code
 - 3.1.7 OSHA 2226
 - 3.1.8 U.S. Army Corps of Engineers EM 385-1-1
- 3.2 The latest edition (including supplements and revisions) of the above publications in effect or promulgated at the time of the bid shall apply. Equipment fabricated to codes and standards in effect at time of bid but later revised shall be acceptable provided such revisions are not required by law.

4.0 SHORING/SLOPING

4.1 Description.

This section covers the technical requirements of the trenching/shoring work.

4.2 Existing Structures.

Where existing buildings, other utilities, streets, highways, or other structures are in close proximity to the trench, or may otherwise be affected by the proposed trenching operation, the Contractor shall provide adequate protection by the use of sheeting and shoring to protect the structure, street, or highway from possible damage. In the case of utilities, the Contractor may elect to remove the utility, provided that the removal and subsequent replacement meet with the approval of the engineer, the utility owner, or whoever has jurisdiction of the structure. In all cases, it shall be the responsibility of the Contractor to protect public and private property and any person or persons who might, as a result of the Contractor's work, be injured.

4.3 General Trenching and Shoring Requirements.

The Contractor shall be solely responsible for trench safety provisions meeting the applicable requirements of the United States Department of Labor-Occupational Safety and Health Administration, including subpart P, Part 1926, of the Code of Federal Regulations. All trenching operations and procedure shall also conform to the requirements listed in this specification.

4.3.1 The requirements of sections 1926.650 and 1926.651 of Subpart P, Part 1926, of the Code of Federal Regulations shall be by reference an integral part of this section.

4.4 REQUIREMENTS PRIOR TO EXCAVATION

- 4.4.1 Known underground installations are shown on the site plans. It is the Contractor's responsibility to verify exact locations in the field.
- 4.4.2 Before any individual enters an excavation, the excavation will be inspected by a "Competent Person" to ensure that trench excavation has been performed according to this specification and OSHA requirements and to ensure that no anomalies are observed which may effect the safety of the trench project. Note-This person must be "Competent" as described in OSHA 1926.650(b).

4.5 REQUIREMENTS DURING EXCAVATION

- 4.5.1 During excavation, the exact location of existing underground installations shall be determined by the Contractor, and when uncovered, proper precautions and supports shall be provided so as not to cause a hazard to the workmen or the project.
- 4.5.2 Daily inspections of the excavations shall be made by the Competent Person". If there is evidence of possible cave-ins or slides, all work in the excavation shall cease until the necessary precautions have been taken to ensure the safety of the workmen and the trench. Note-This person must be "Competent" as described in OSHA 1926.650. Excavations shall be inspected after every rainstorm or other hazard-increasing occurrence to ensure safety of the workmen and the trench.
- 4.5.3 Excavated material shall be stockpiled a distance away from the trench, so as not to affect the trench stability. The Contractor's means and methods will determine the distance. As a minimum to protect the workmen from falling debris, the toe of the stockpiled soil shall be no closer than two(2) feet from the edge of the excavation.
- 4.5.4 All precautions must be made to prevent surface water from entering the trench excavation. Adequate drainage must be provided in the area adjacent to the excavation.
- 4.5.5 Operation of heavy equipment adjacent to the edge of the trench may cause instability. The Contractor is responsible for the means and methods of excavation, and therefore, for loads imposed on the trench excavation and shoring design.
- 4.5.6 The Contractor must take precautions to protect the face of the excavation from exposure to excessive drying, water, or freezing.
- 4.5.7 Water shall not be permitted to stand in the bottom of the trench and suction pumps of adequate capacity shall be installed to ensure that such standing water is removed.
- 4.5.8 The Contractor shall provide a positive means of ensuring that hydrostatic pressure does not build up behind the shoring or shields.
- 4.5.9 If a condition requiring the use of a different method of shoring is encountered, this specification will be revised.
- 4.5.10 Remove shoring units from bottom to top as backfilling proceeds.
- 4.5.11 When backfill is within five(5) feet of the top of the trench, all shoring may be removed, unless the trench conditions indicate a hazard.
- 4.5.12 No person shall be exposed to the lower portion of the trench after shoring has been removed.

- 4.5.13 Additional shoring of larger sizes may be installed.
- 4.5.14 Ladders or other adequate means of exit must be provided and located so as to require no more than twenty-five(25) feet of lateral travel.
- 4.5.15 When two(2) trenches intersect, both trenches must be protected to a distance of not less that the depth of the deepest trench.

4.6 REQUIREMENTS FOR CONFINED SPACE

- 4.6.1 Prior to construction the contractor shall identify any areas near the proposed excavations that could expose workmen to harmful levels of atmospheric contaminants (i.e. landfills, manholes or materials storage).
- 4.6.2 During construction, before workmen are allowed in an excavation or existing structure, the contractor shall test the air quality at these previously identified areas for hazardous atmospheres in all excavations greater than four (4) feet in depth. Atmospheres containing less than 19.5 percent oxygen or more than 20 percent concentration of flammable gas shall be deemed "hazardous" adequate precautions shall be taken.
- 4.6.3 Retesting of work areas shall be conducted as often as necessary to ensure that the atmosphere remains safe for workmen.
- 4.6.4 During construction, emergency rescue equipment shall be readily available where potentially hazardous conditions are expected to develop.
- 4.6.5 As a minimum, the contractor shall have on site the following emergency equipment. Breathing apparatus, a safety harness and line, or a basket stretcher. During construction in potentially hazardous areas, the required equipment shall be attended.

SECTION 5.0 SITE SPECIFIC EXCAVATIONS AND SHORING SPECIFICATIONS FOR WATER LINES

5.1 EXCAVATIONS SPECIFIC TO THIS PROJECT

WATER LINE "A"

LOCATION	MAX. DEPTH	OPTION	NOTES
0+00 TO 2+90±			INSTALL BY OTOC
2+90± TO 8+33	11.0	I, II, III	INSTALL 8" W.L.
8+33 TO 9+28			INSTALL BY OTOC
9+28 TO 23+70.59	10.0	I, II, III	INSTALL 8" W.L.

NOTE: Trench shield(s) and/or slope (Option I or II) shall be used for personnel protection at the location of the bore pits.

OTHER PROJECT WATERLINES AND APPURTENANCES

The contractor will install other water lines and appurtenances that were not profiled on the project plans. Generally, pipe less than ten inches in diameter will require an excavation of less than five feet in depth, however, at connections to larger size pipe it is probable that excavations will exceed five feet in depth. When excavation depths greater than five feet are encountered or if there is evidence of raveling or caving for any reason including pre-disturbed soil conditions, the contractor will be required to shore or slope the excavation so as to provide a safe workplace. The contractor may use guidelines set forth in Option I, II or III for these excavations.

5.2 SHORING CONSIDERATIONS FOR THIS WORK

5.2.1 Trenches more than five(5) deep shall be shored, laid back to a stable slope, or some other equivalent means of protection shall be provided where employees may be exposed to moving ground or cave-ins. Trenches less than five(5) feet in depth shall also be effectively protected when examination of ground indicates hazardous ground movement may be expected.

The Contractor will have Options I, II or III for providing such protection.

5.2.2 Lateral Earth Pressure: P = We(H+Hq)

Assumed Soil: Clay

P= a uniformly distributed lateral soil pressure, in lbs./ft²

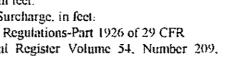
We= Effective Soil Weight, pcf(Use 45 psf Type"B" Soil)

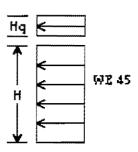
H= Depth of excavation from top of supported bank to bottom of excavation in feet.

Hq= Equivalent Height of Surcharge, in feet:

Reference OSHA Rules and Regulations-Part 1926 of 29 CFR

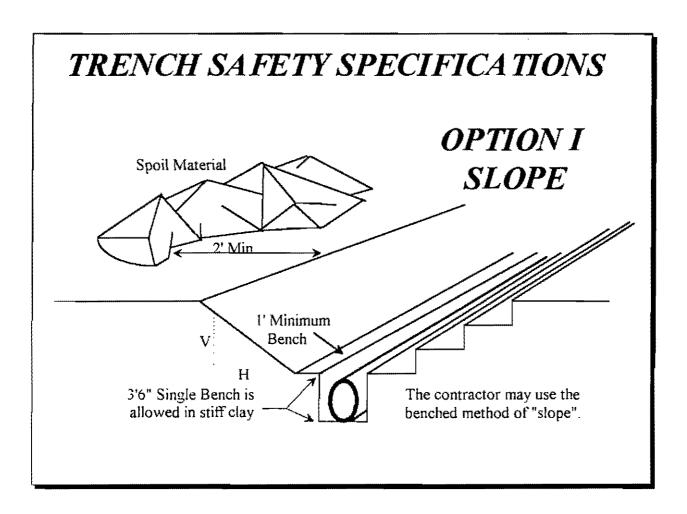
as amended by the Federal Register Volume 54, Number 209, October 31, 1989





Maximum anticipated lateral earth pressure for this project is 585 "PSF"

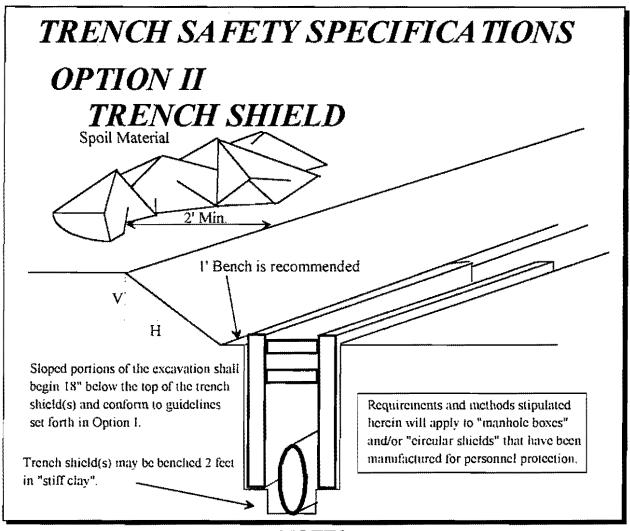
- 5.2.3 The Contractor can use Slope as shown in the Option I section of the specification. Applicable slopes may be obtained by either straight cut or benched method. Vertical cuts for the benched method shall not exceed four(4) feet. Easement restrictions may limit the use of this option. See Drawing Option I.
- 5.2.4 Option II The Contractor may use a Trench Shield as shown in the Option II section of this specification. Requirements set forth in this Option shall include curricular trench shield(s) and or manhole boxes. All slopes above trench shield(s) shall conform to guidelines set forth in Option I. Trench shield(s) used on this project will be required to carry a minimum "PSF" as specified. Certification of trench shield(s) or manufacture's "tabulated data" shall be available for verification during construction. See Drawing Option II.
 - Option III The Contractor can use Trench Shores as shown in the Option III Section of this specification. Shores are to be installed as shown with horizontal spacing determined by the depth of cut and soil type but shall not exceed 6 feet. See Drawing Option III. If there is raveling of the trench wall, the contractor shall install plywood behind the shores as shown on the Option III drawing.



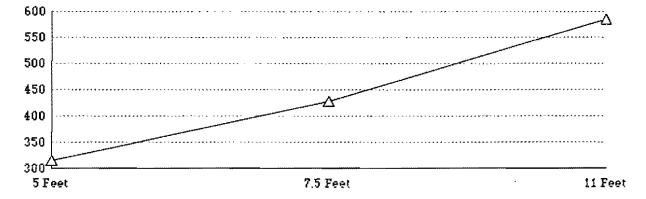
H/V - REQUIRED SLOPE PER SOIL TYPE

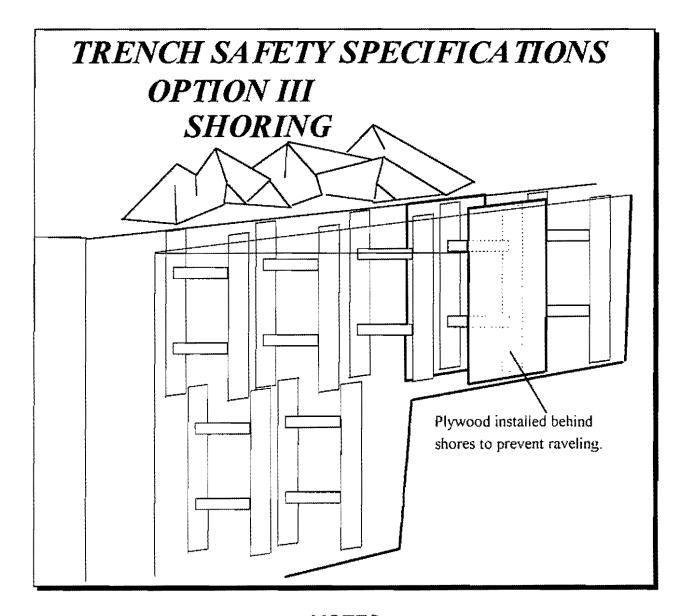
 $H/V = \frac{3}{4}$ to 1 Stiff clay less than 12 feet in depth (Type "A") H/V = 1 to 1 Stiff clay or weathered limestone (Type "A" or "B") $H/V = 1\frac{1}{2}$ to 1 Silty clays or saturated material (Type "C") H/V = 2 to 1 Fill material or loose soil.

- 1. All trenches shall be dewatered as specified in 4.5.7
- 2. All slopes assume sufficient right-of-way exists.
- 3. All slopes shall be flattened an additional ½ foot if an existing parallel utility line is located within the horizontal distance equal to the depth of the new utility excavation.
- 4. No spoil or equipment shall be permitted nearer than 2 feet from the edge of the excavation.
- 5. A single 3' 6" vertical bench may be used in "stiff clay" only.
- 6. Exposed existing utility lines are to be supported.



- 1. Trench shields shall be inspected and be free of structural defects that may impair their proper function.
- 2. Trench shields shall be used in accordance with the manufacturer's guidelines and recommendations.
- 3. Trench shields shall be installed so as to prevent any lateral or other hazardous movement.
- 4. Personnel shall not be allowed in the trench shield during its installation or removal from the excavation.
- 5. When shield(s) are stacked, the upper shield shall be rated for its physical depth in the trench.
- 6. Trench shield(s) used on this project shall be rated to withstand anticipated "PSF" (left side of graph) for depth of cut indicated below. Manufacture's tabulated data or certification shall be maintained on site.





- 1. Shores shall be double stacked when trench depths exceed nine (9) feet.
- 2. Maximum horizontal spacing for double stacked shores shall be five (5) feet.
- 3. Maximum allowable depth of cut for this Option shall be fourteen (14) feet.
- 4. Aluminum hydraulic shoring may be used in Type "A" or "B" soils only.
- 5. Maximum horizontal spacing of shores in Type "A" soil shall be 6 feet.
- 6. Maximum horizontal spacing of shores in Type "B" soil shall be 5 feet.
- 7. The contractor's competent person shall inspect shores and verify that they are in good working order.
- 8. The hydraulic shores shall have a minimum working pressure of 750 psi.
- 9. The contractor shall adhere to the shoring manufacturer's guidelines for use in trench excavations.
- 10. If there is evidence of raveling or caving the contractor is required to install 11/8" thick plywood or 3/4" thick 14 ply arctic white birch (Finnland form).
- 11. Spoil material will not be allowed nearer than 2' from the edge of the excavation.



PUBLIC WORKS DEPARTMENT

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

16801 Westgrove

July 2, 2002

Rycon Inc Mark Herndon 13221 Bee Street Farmers Branch, Texas 75234

Re: NOTICE TO PROCEED

Marsh Lane Water Line Replacement
BID NO.

Dear Mr. Herndon:

Receipt of this document shall serve as your Notice to Proceed for the above referenced project, effective July 8, 2002. According to the terms and conditions of the contract, the proposed improvements shall be completed within ninety (90) calendar days from the start of construction, with the original contract price of \$311,410. The scheduled ninety days expires on September 28, 2002, after which a \$1000 a day penalty will be assessed, as per the contract. Please include the Project name and Bid No. 02-12 on all monthly invoices or other correspondence to the Town of Addison.

Should you have any questions, please contact my office at 972-450-2860.

Sincerely,

Luke Jalbert Project Manager

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of Public Works
Jim Pierce, Assistant Director of Public Works
Bryan Langley, Assistant Director of Finance
Steve Chutchian, Assistant City Engineer

TRENCH SAFETY SPECIFICATIONS FOR MARSH LANE WATER LINE

CITY OF ADDISON, TEXAS

Prepared for RYCON CONSTRUCTION

Project # 6915

TREN-TECH COMPANY 828 HOWELL DR. COPPELL, TEXAS 75019 972-304-2171



I have reviewed these Trench Safety Guidelines and find that the recommendations and procedures conform to OSHA guidelines and regulations. The calculations herein are consistent with generally accepted engineering practice.

RECISTERED PROFESSIONAL ENGINEER

DATE

ウ. 3.0z

1.0 DESIGN ASSUMPTIONS

- 1.1 General. These specifications cover the basic requirements for shoring and/or sloping of excavations for the installation of WATER LINES for the MARSH LANE WATER LINE REPLACEMENT in the CITY of ADDISON, TEXAS.
- 1.2 This specification addresses the safety of workers in a trench excavation and does not, in any way relieve the Contractor of his responsibility and liability to ensure the safety of the project and workers.
- 1.3 It is not the intent of these specifications to specify every detail and procedure of the trenching/shoring operations; nevertheless, they shall conform to the high standards of engineering and of safe trench excavation.
- 1.4 The personnel protection systems shown in these specifications have been designed based on information obtained from the project drawings and specifications.
- In accordance with Revised OSHA (Appendix A to Subpart P effective March 2,1990), the Contractor's "Competent Person" will conduct the required Soil Classification Tests. If soils other than those previously identified are found, this specification will be revised. During construction, the Contractor's "Competent Person" will monitor the soil classification as required by OSHA 1926.
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2.0 DEFINITIONS

- 2.1 All definitions of section 1926.653 of Subpart P, Part 1926, of the Code of Federal Regulations shall be by reference an integral part of this section.
- 2.2 "Sealing Engineer"- The engineer whose Texas seal is affixed to these specifications.
- 2.3 "The Contractor"-The contractor responsible to the owner for the excavation work described herein.
- 2.4 "Competent" as described in OSHA 1926.650(b).

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- 3.1 The Contractor shall perform all shoring work under this contract in accordance with all applicable codes and standard safety requirements and regulations including:
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 - 3.1.7 OSHA 2226
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4.0 SHORING/SLOPING

4.1 Description.

This section covers the technical requirements of the trenching/shoring work.

4.2 Existing Structures.

Where existing buildings, other utilities, streets, highways, or other structures are in close proximity to the trench, or may otherwise be affected by the proposed trenching operation, the Contractor shall provide adequate protection by the use of sheeting and shoring to protect the structure, street, or highway from possible damage. In the case of utilities, the Contractor may elect to remove the utility, provided that the removal and subsequent replacement meet with the approval of the engineer, the utility owner, or whoever has jurisdiction of the structure. In all cases, it shall be the responsibility of the Contractor to protect public and private property and any person or persons who might, as a result of the Contractor's work, be injured.

4.3 General Trenching and Shoring Requirements.

The Contractor shall be solely responsible for trench safety provisions meeting the applicable requirements of the United States Department of Labor-Occupational Safety and Health Administration, including subpart P, Part 1926, of the Code of Federal Regulations. All trenching operations and procedure shall also conform to the requirements listed in this specification.

4.3.1 The requirements of sections 1926.650 and 1926.651 of Subpart P, Part 1926, of the Code of Federal Regulations shall be by reference an integral part of this section.

4.4 REQUIREMENTS PRIOR TO EXCAVATION

- 4.4.1 Known underground installations are shown on the site plans. It is the Contractor's responsibility to verify exact locations in the field.
- 4.4.2 Before any individual enters an excavation, the excavation will be inspected by a "Competent Person" to ensure that trench excavation has been performed according to this specification and OSHA requirements and to ensure that no anomalies are observed which may effect the safety of the trench project. Note-This person must be "Competent" as described in OSHA 1926.650(b).

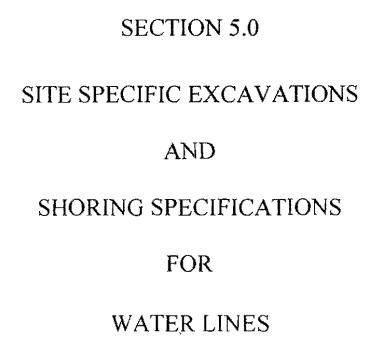
4.5 REQUIREMENTS DURING EXCAVATION

- 4.5.1 During excavation, the exact location of existing underground installations shall be determined by the Contractor, and when uncovered, proper precautions and supports shall be provided so as not to cause a hazard to the workmen or the project.
- 4.5.2 Daily inspections of the excavations shall be made by the Competent Person". If there is evidence of possible cave-ins or slides, all work in the excavation shall cease until the necessary precautions have been taken to ensure the safety of the workmen and the trench. Note-This person must be "Competent" as described in OSHA 1926.650. Excavations shall be inspected after every rainstorm or other hazard-increasing occurrence to ensure safety of the workmen and the trench.
- 4.5.3 Excavated material shall be stockpiled a distance away from the trench, so as not to affect the trench stability. The Contractor's means and methods will determine the distance. As a minimum to protect the workmen from falling debris, the toe of the stockpiled soil shall be no closer than two(2) feet from the edge of the excavation.
- 4.5.4 All precautions must be made to prevent surface water from entering the trench excavation. Adequate drainage must be provided in the area adjacent to the excavation.
- 4.5.5 Operation of heavy equipment adjacent to the edge of the trench may cause instability. The Contractor is responsible for the means and methods of excavation, and therefore, for loads imposed on the trench excavation and shoring design.
- 4.5.6 The Contractor must take precautions to protect the face of the excavation from exposure to excessive drying, water, or freezing.
- 4.5.7 Water shall not be permitted to stand in the bottom of the trench and suction pumps of adequate capacity shall be installed to ensure that such standing water is removed.
- 4.5.8 The Contractor shall provide a positive means of ensuring that hydrostatic pressure does not build up behind the shoring or shields.
- 4.5.9 If a condition requiring the use of a different method of shoring is encountered, this specification will be revised.
- 4.5.10 Remove shoring units from bottom to top as backfilling proceeds.
- 4.5.11 When backfill is within five(5) feet of the top of the trench, all shoring may be removed, unless the trench conditions indicate a hazard.
- 4.5.12 No person shall be exposed to the lower portion of the trench after shoring has been removed.

- 4.5.13 Additional shoring of larger sizes may be installed.
- 4.5.14 Ladders or other adequate means of exit must be provided and located so as to require no more than twenty-five(25) feet of lateral travel.
- 4.5.15 When two(2) trenches intersect, both trenches must be protected to a distance of not less that the depth of the deepest trench.

4.6 REQUIREMENTS FOR CONFINED SPACE

- 4.6.1 Prior to construction the contractor shall identify any areas near the proposed excavations that could expose workmen to harmful levels of atmospheric contaminants (i.e. landfills, manholes or materials storage).
- 4.6.2 During construction, before workmen are allowed in an excavation or existing structure, the contractor shall test the air quality at these previously identified areas for hazardous atmospheres in all excavations greater than four (4) feet in depth. Atmospheres containing less than 19.5 percent oxygen or more than 20 percent concentration of flammable gas shall be deemed "hazardous" adequate precautions shall be taken.
- 4.6.3 Retesting of work areas shall be conducted as often as necessary to ensure that the atmosphere remains safe for workmen.
- 4.6.4 During construction, emergency rescue equipment shall be readily available where potentially hazardous conditions are expected to develop.
- 4.6.5 As a minimum, the contractor shall have on site the following emergency equipment. Breathing apparatus, a safety harness and line, or a basket stretcher. During construction in potentially hazardous areas, the required equipment shall be attended.



5.1 EXCAVATIONS SPECIFIC TO THIS PROJECT

WATER LINE "A"

LOCATION	MAX, DEPTH	OPTION	NOTES
0+00 TO 2+90±			INSTALL BY OTOC
2+90± TO 8+33	11.0	I, II, III	INSTALL 8" W.L.
8+33 TO 9+28			INSTALL BY OTOC
9+28 TO 23+70.59	0.01	I, II, III	INSTALL 8" W.L.

NOTE: Trench shield(s) and/or slope (Option I or II) shall be used for personnel protection at the location of the bore pits.

OTHER PROJECT WATERLINES AND APPURTENANCES

The contractor will install other water lines and appurtenances that were not profiled on the project plans. Generally, pipe less than ten inches in diameter will require an excavation of less than five feet in depth, however, at connections to larger size pipe it is probable that excavations will exceed five feet in depth. When excavation depths greater than five feet are encountered or if there is evidence of raveling or caving for any reason including pre-disturbed soil conditions, the contractor will be required to shore or slope the excavation so as to provide a safe workplace. The contractor may use guidelines set forth in Option I, II or III for these excavations.

5.2 SHORING CONSIDERATIONS FOR THIS WORK

5.2.1 Trenches more than five(5) deep shall be shored, laid back to a stable slope, or some other equivalent means of protection shall be provided where employees may be exposed to moving ground or cave-ins. Trenches less than five(5) feet in depth shall also be effectively protected when examination of ground indicates hazardous ground, movement may be expected.

The Contractor will have Options I, II or III for providing such protection.

5.2.2 Lateral Earth Pressure: P = We(H+Hq)

Assumed Soil: Clay

P= a uniformly distributed lateral soil pressure, in lbs./ft²

We= Effective Soil Weight, pcf(Use 45 psf Type"B" Soil)

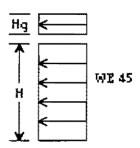
H= Depth of excavation from top of supported bank to bottom of excavation in feet.

Hq= Equivalent Height of Surcharge, in feet.

Reference OSHA Rules and Regulations-Part 1926 of 29 CFR

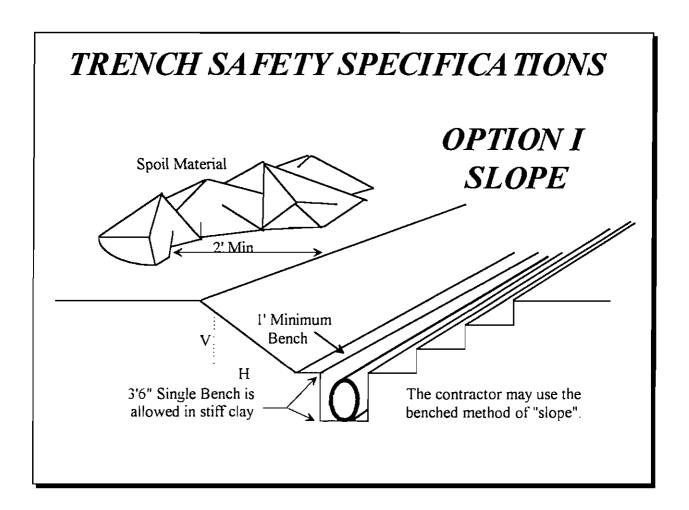
as amended by the Federal Register Volume 54, Number 209.

October 31, 1989



Maximum anticipated lateral earth pressure for this project is 585 "PSF"

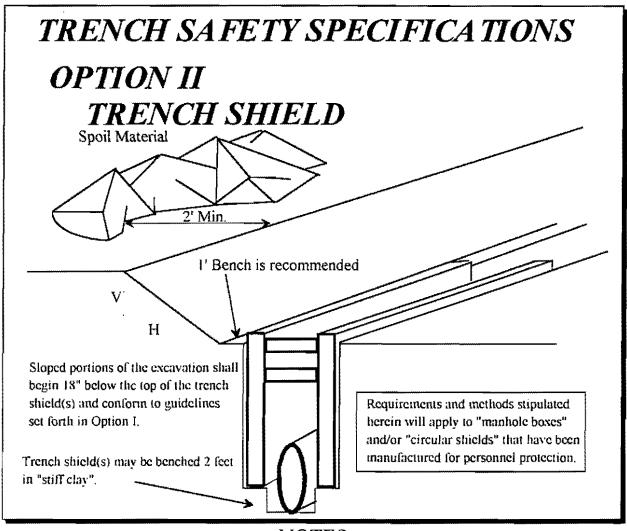
- 5.2.3 Option I The Contractor can use Slope as shown in the Option I section of the specification. Applicable slopes may be obtained by either straight cut or benched method. Vertical cuts for the benched method shall not exceed four(4) feet. Easement restrictions may limit the use of this option. See Drawing Option I.
- 5.2.4 Option II The Contractor may use a Trench Shield as shown in the Option II section of this specification. Requirements set forth in this Option shall include curricular trench shield(s) and or manhole boxes. All slopes above trench shield(s) shall conform to guidelines set forth in Option I. Trench shield(s) used on this project will be required to carry a minimum "PSF" as specified. Certification of trench shield(s) or manufacture's "tabulated data" shall be available for verification during construction. See Drawing Option II.
 - 5.2.5 Option III The Contractor can use Trench Shores as shown in the Option III Section of this specification. Shores are to be installed as shown with horizontal spacing determined by the depth of cut and soil type but shall not exceed 6 feet. See Drawing Option III. If there is raveling of the trench wall, the contractor shall install plywood behind the shores as shown on the Option III drawing.



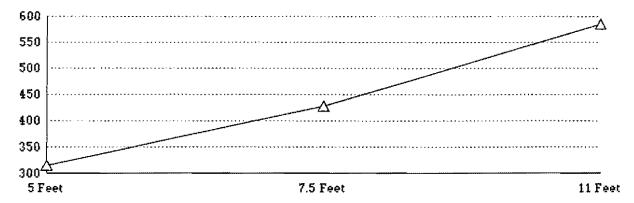
H/V - REQUIRED SLOPE PER SOIL TYPE

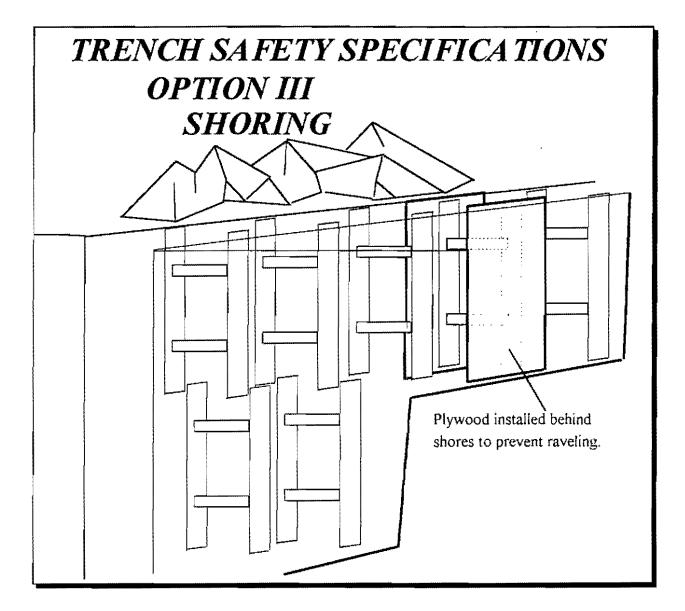
$H/V = \frac{3}{4}$ to 1	Stiff clay less than 12 feet in depth (Type "A")
H/V = 1 to 1	Stiff clay or weathered limestone (Type "A" or "B")
$H/V = 1\frac{1}{2} \text{ to } 1$	Silty clays or saturated material (Type "C")
H/V = 2 to 1	Fill material or loose soil.

- 1. All trenches shall be dewatered as specified in 4.5.7
- 2. All slopes assume sufficient right-of-way exists.
- 3. All slopes shall be flattened an additional ½ foot if an existing parallel utility line is located within the horizontal distance equal to the depth of the new utility excavation.
- 4. No spoil or equipment shall be permitted nearer than 2 feet from the edge of the excavation.
- 5. A single 3' 6" vertical bench may be used in "stiff clay" only.
- 6. Exposed existing utility lines are to be supported.



- 1. Trench shields shall be inspected and be free of structural defects that may impair their proper function.
- 2. Trench shields shall be used in accordance with the manufacturer's guidelines and recommendations.
- 3. Trench shields shall be installed so as to prevent any lateral or other hazardous movement.
- 4. Personnel shall not be allowed in the trench shield during its installation or removal from the excavation.
- 5. When shield(s) are stacked, the upper shield shall be rated for its physical depth in the trench.
- 6. Trench shield(s) used on this project shall be rated to withstand anticipated "PSF" (left side of graph) for depth of cut indicated below. Manufacture's tabulated data or certification shall be maintained on site.





- 1. Shores shall be double stacked when trench depths exceed nine (9) feet.
- 2. Maximum horizontal spacing for double stacked shores shall be five (5) feet.
- 3. Maximum allowable depth of cut for this Option shall be fourteen (14) feet.
- 4. Aluminum hydraulic shoring may be used in Type "A" or "B" soils only.
- 5. Maximum horizontal spacing of shores in Type "A" soil shall be 6 feet.
- 6. Maximum horizontal spacing of shores in Type "B" soil shall be 5 feet.
- 7. The contractor's competent person shall inspect shores and verify that they are in good working order.
- 8. The hydraulic shores shall have a minimum working pressure of 750 psi.
- 9. The contractor shall adhere to the shoring manufacturer's guidelines for use in trench excavations.
- 10. If there is evidence of raveling or caving the contractor is required to install 1¹/₈" thick plywood or ¹/₄" thick 14 ply arctic white birch (Finnland form).
- 11. Spoil material will not be allowed nearer than 2' from the edge of the excavation.

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CLIENT: RYCON

2-Jul-02

PROJECT: #275 - ADDISON WATER LINE REPLACEMENT

MIX SPECIFICATIONS:

MIX DESIGN NO. 112

APPLICATION:

NCTCOG CLASS "C"

REQUIRED STRENGTH

3600 PSI / 600 FLEX

PLACEMENT SLUMP W/C RATIO

3 INCB +/- 1

AIR CONTENT

0.47 LB/LB 5+41%

MAXIMUM TEMPERATURE 100 DEGREES F

MATERIALS	ASTM STANDARDS	WEIGHTS(SSD)	YOLUME
CEMENT	ASTM C150 TYPE UTI	564	2.87
FLYASH	ASTM C618 CLASS C	640	0.00
COARSE AGG. COARSE AGG.	ASTM C33 SIZE NO. 57 ASTM C33 SIZE NO.	1850	11.06
LIGHT WEIGHT	ASTM C330	000	
FINE AGG. FINE AGG.	ASTM C33 ASTM C33	1224	7.46
ADMIXTURE ADMIXTURE ADMIXTURE	ASTM C494 TYPE A or D ASTM C494 TYPE F ASTM C260	3 – 6 oz/cwt 00,0 .25 – 4 oz/cwt	1,35
WATER		266	<u>4.26</u> 27.00

ASTM CM STANDARD SPECIFICATIONS FOR READY-MIXED CONCRETE STATES AS FOLLOWS: "WHEN THE CONCRETE STRENGTH IS USED AS A BASIS FOR ACCEPTANCE, THE MANUFACTURER SHALL BE ENTITLED TO COPIES OF TEST REPORTS... THE INDIVIDUAL WHO SAMPLES AND TESTS CONCRETE MUST BE CERTIFIED ACI LEVEL L "

ADDITIONAL WATER ADDED IN EXCESS OF SPECIFIED SLUMP IS AT CUSTOMERS RISK!

GARY L TERRON

TECHNICAL SERVICES DIRECTOR

REDI-MIX, L.P.

GENERAL OFFICE/1445 MacArbut Drive, Suits 156, Carrotton, Texas, 75007 PHONE: (872) 242-4550 FAX: (972) 323-0759

REDI-MIX, LP 5517 DENTON HWY HALTOM CITY, TX 76148 www.gherron@redimix.com 817-514-3358

Frequency Distribution Analysis 28 Day Compressive Strength Mix: 112 F'c: 3600 psi 07/02/02

Sample ID	Slump in	Air Cont }	Con Tmp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
12278	4.00	-		3997	4917	
12349	4.00		***	4598	5571	_
9725440	3.00		••	4375	5655	5381
15227	3.50	4.3	88	4033	5005	5410
22489	4.50		66	4290	5070	5243
12307	4.00	-	=	3661	4440	4838
1458	3.50	5.0	73	4375	5385	4965
46335	4.25	5.0	90	4345	5225	5017
46653	4.00	4.6	90	4665	5330	5313
46731	4.50	4.8	96	4235	5325	5293
104299	4.00	4.0	102	3640	4670	5108
106263	4.50	4.5	90	3415	4850	4948
106269	4.50	4.5	92	3695	5135	4885
41519	4.00	•	92	3630	4760	4915
15228	4.50	***	70	4295	5990	5295
37137	4.00	**	72	4180	5000	5250
37366	4.00	-	70	4360	4685	5225
37525	4.50	*	69	3560	4650	4778
37688	4.00	-	68	3890	4045	4460
37994	4.50	*	72	3620	4475	4390
38612	4.50		72	3680	5045	4522
18098	3.50	4.6	93	3740	4165	4562
121358	4.00	3.9	96	2720	3915	4375
129238	3.75	4.5	93	3600	4140	4073
10362	3.50	4.7	91	4120	5310	4455
26012	4.00		87	4120	5240	4897
11663	4.00	4.2	78	3940	4590	5047
152665	3.00	*	64	4530	5485	5105
Count	28	13	24	28	28	26
Average	4.00	4.5	 82	3975	4931	4913
Standard Devi		~ . J	~~~~~~		T.J.4.	**************************************
THE THE PERSON NAMED AND THE PERSON PORTS AND	0.44	0.3	12	431	514	365

Prequency Distribution: 28 Day Compressive Strength

Sample ID	Slump in	Air Cont	Con Tmp deg F	7 đay Comp pai	28 day Comp psi	Avg: 3 28 day Comp psi
Range						
gc	3.00 4.50	3.9 5.0	64 102	2720 4665	3915 5990	4073 5410
Coefficient of		7.55	14.33	10.85	10.42	7.43



CLIENT: RYCON

2~Jul-02

PROJECT: #275 - ADDISON WATER LINE REPLACEMENT

MIX SPECIFICATIONS:

MIX DESIGN NO. 112

APPLICATION:

REQUIRED STRENGTH

NCTCOG CLASS "C" 3600 PSI / 600 FLEX

PLACEMENT SLUMP

3 INCH +/- 1

W/C RATIO

6.47 LB/LB

AIR CONTENT

5+41%

MAXIMUM TEMPERATURE 100 DEGREES F

MATERIALS	ASTM STANDARDS	WEIGHTS(SSD)	YOLUME
CEMENT	ASTM CISO TYPE VII	564	2.87
FLYASH	ASTM C618 CLASS C	000	0.00
COARSE AGG. COARSE AGG.	ASTM C33 SIZE NO. 57 ASTM C33 SIZE NO.	1850	11.06
LIGHT WEIGHT	ASTM CLIO	000	
FINE AGG. FINE AGG.	ASTM C33 ASTM C33	1224	7.46
ADMIXTURE ADMIXTURE ADMIXTURE	ASTM C494 TYPE A or D ASTM C494 TYPE F ASTM C260	3 – 6 cm/cmt 00,0 .25 – 4 cm/cmt	1,35
WATER		266	<u>4.26</u> 27.80

ASTM C94 STANDARD SPECIFICATIONS POR READY-MDXED CONCRETE STATES AS FOLLOWS: "WHEN THE CONCRETE STRENGTH IS USED AS A BASIS FOR ACCEPTANCE, THE MANUFACTURER SHALL BE ENTITLED TO COPIES OF TEST REPORTS... THE INDIVIDUAL WHO SAMPLES AND TESTS CONCRETE MUST BE CERTIFIED ACI LEVEL L "

ADDITIONAL WATER ADDED IN EXCESS OF SPECIFIED SLUMP IS AT CUSTOMERS RISK!

GARY L TERRON

TECHNICAL SERVICES DIRECTOR

3

REDI-MIX, LP 5517 DENTON HWY HALTOM CITY, TX 76148 www.gherroneredimix.com 817-514-3358

Frequency Distribution Analysis 28 Day Compressive Strength Mix: 112 F'c: 3600 psi 07/02/02

Sample ID	Slump in	Air Cont }	Con Tmp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
12278	4.00		*	3997	4917	*
12349	4.00	-	***	4598	5571	••
9725440	3.00	_		4375	5655	5381
15227	3.50	4.3	88	4033	5005	5410
22489	4.50	•••	66	4290	5070	5243
12307	4.00		**	3661	4440	4838
1458	3.50	5.0	73	4375	5385	4965
46335	4.25	5.0	90	4345	5225	5017
46653	4.00	4.6	9 0	4665	5330	5313
46731	4.50	4.8	96	4235	5325	5293
104299	4.00	4.0	102	3640	4670	5108
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37688	4.00	···gg	68	3890	4045	4460
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38612	4.50	-	72	3680	5045	4522
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121358	4.00	3.9	96	2720	3915	4375
129238	3.75	4.5	93	3600	4140	4073
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26012	4.00	***	87	4120	5240	4897
11663	4.00	4.2	78	3940	4590	5047
152665	3.00	•	64	4530	5485	5105
Count			***********	~~~~~	28	26
Average	28	13	24	28	45	40
_	4.00	4.5	82	3975	4931	4913
Standard Devi	ation 0.44	0.3	12	431	514	365
	A 3 # #	w , J	***	A	₩ [™]	₩ W W

Frequency Distribution: 28 Day Compressive Strength

Sample ID	Slump in	Air Cont	Con Tmp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp pai
Range						
	3.00	3.9	64	2720	3915	4073
	4.50	5.0	102	4665	5990	5410
Coefficient of						
	10.89	7.55	14.33	10.85	10.42	7.43



11 483 3883;

CLIENT: RYCON

2-Jul-02

PROJECT: # 275 – ADDISON WATER LINE REPLACEMENT

MIX SPECIFICATIONS:

MIX DESIGN NO. 110

APPLICATION:

NCTCOG CLASS "A"

REQUIRED STRENGTH PLACEMENT SLUMP

3000 PSI 3 INCH +/- 1

W/C RATIO

0.50 LI/LB

AIR CONTENT

4+/-1%%

MAXIMUM TEMPERÁTURE 100 DEGREES F

MATERIALS	ASTM STANDARDS	WEIGHTS(SSD)	VOLUME
CEMENT	ASTM C150 TYPE VII	470	2,39
PLYASH	ASTM CHIB CLASS C	000	0.00
COARSE AGG. COARSE AGG.	ASTM C33 SIZE NO. 57 ASTM C33 SIZE NO.	1850	11.06
LIGHT WEIGHT	ASTM C330	000	
FINE AGG. FINE AGG.	ASTM C33 ASTM C33	1383	8,43
ADMIXTURE ADMIXTURE	ASTM C494 TYPE A or D ASTM C494 TYPE F ASTM C260	3 6 oz/ewi 00.0 .25 4 os/ewi	1.35
WATER		235	<u> </u>

ASTM C34 STANDARD SPECIFICATIONS POR READY-MIXED CONCRETE STATES AS POLLOWS: "When the concrete strength is used as a basis for acceptance, the manufacturer SHALL BE ENTITLED TO COPIES OF TEST REPORTS... THE INDIVIDUAL WHO SAMPLES AND TESTS CONCRETE MUST BE CERTIFIED ACI LEVEL I, *

ADDITIONAL WATER ADDED IN EXCESS OF SPECIFIED SLUMP IS AT CUSTOMERS RISKI

GARY L'HERRON

TECHNICAL SERVICES DIRECTOR

REDI-MIX. L.P.

GENERAL OFFICE/1445 MecAnteur Drive, Suite 138, Carrollon, Texas 75007 PHONE: (972) 242-4650 FAX: (972) 323-0759

REDI-MIX, LP 5517 DENTON HWY HALTOM CITY, TX 76148 www.gherron@redimix.com 817-514-3358

Frequency Distribution Analysis 28 Day Compressive Strength Mix: 110 F'c: 3000 psi 07/02/02

Sample ID	Slump in	Air Cont	Con Tmp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
330533	4 00	33333EEE	. 3 3 3 3 3 3 2 2 3	4400		=======================================
328573	4.00	-	•	4421	5607	-
13939	4.00	-	-	4067	5005	-
14070	4.00	-	-	3006	4103	4905
13834	4 00	-	-	3537	4899	4669
316192	4.00	-	-	2935	4121	4374
317434	4.00	4.0	-	2935	4121	4380
15761	4.00	-	53	3183	4103	4115
7098	4.00	5.4	69	3020	4005	4076
44922	4.25	2.7	67	3610	4555	4221
7150	3.50	-	68	3560	4225	4262
140303	2.25	-	80	3175	4335	4372
36487	2.00	-	71	5240	6375	4978
375 <i>77</i>	4.00	-	72	3570	4440	5 0 50
37927	4.00	-	70	2915	3835	4883
705602	3.00	_	80	2960	3925	4067
24051	2.00	3.2	79	3850	4665	4142
28967	4.50	3.0	70	2900	3680	4090
24757	2.25	4.2	76	3340	3900	4082
27991	4.50	4.0	82	3170	3840	3807
Count	19		13	19	19	17
Average						*/
_	3.59	3.8	72	3442	4407	4381
Standard Devia						
Range	0.84	0.9	8	611	676	377
Range	2.00	2.7	53	2900	3680	3807
	4.50	5.4	82	5240	6375	5050
Coefficient of			02	34¶V 		
Coefficient of	23.45	24.13	10.69	17.76	15.33	8.61



CLIENT: RYCON

2-Jul-02

PROJECT: #275 -- ADDISON WATER LINE RPLACEMENT

MIX SPECIFICATIONS:

MIX DESIGN NO. 732

APPLICATION:

REQUIRED STRENGTH

AS SPECIFIED 4000PSI @ 28 DAYS

PLACEMENT SLUMP

3 +/- 1 INCH

W/C RATIO

0.45 LB/LB

AIR CONTENT

5+/-1%

MAXIMUM TEMPERATURE 100 DEGREES F

MATERIALS	ASTM STANDARDS	WEIGHTS(SSD)	VOLUME
CEMENT	ASTM CISO TYPE VII	564	2,87
FLYASH	ASTM C618 CLASS C	900	9.00
COARSE AGG. COARSE AGG.	ASTM C33 SIZE NO. 57 ASTM C33 SIZE NO.	185 6	11.11
LIGHT WEIGHT	ASTM CJJ0	000	
FINE AGG. FINE AGG.	ASTM C33 ASTM C33	1247	7,68
ADMIXTURE ADMIXTURE ADMIXTURE	ASTM C494 TYPE A or D ASTM C494 TYPE F ASTM C260	3 – 6 oz/cwt 00.0 .2 – 4 oz/cwt	1.35
WATER		254	<u>4.07</u> 27.00

ASTM C94 STANDARD SPECIFICATIONS FOR READY-MIXED CONCRETE STATES AS FOLLOWS: "WHEN THE CONCRETE STRENGTH IS USED AS A BASIS FOR ACCEPTANCE, THE MANUFACTURER SHALL BE ENTITLED TO COPIES OF TEST REPORTS... THE INDIVIDUAL WHO SAMPLES AND TESTS CONCRETE MUST BE CERTIFIED ACI LEVEL L "

ADDITIONAL WATER ADDED IN EXCESS OF SPECIFIED SLUMP IS AT CUSTOMERS RISK!

GARY L. HERRON

TECHNICAL SERVICES DIRECTOR

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REDI-MIX, LP 5517 DENTON HWY HALTOM CITY, TX 76148 www.gherron@redimix.com 817-514-3358

Frequency Distribution Analysis 28 Day Compressive Strength Mix: 732 F'c: 4000 psi 07/02/02

Sample ID	Slump in	Air Cont	Con Tmp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
14579 20060 35887 40824 43168 58432 58726 4193 43414	4.50 3.75 2.00 2.00 3.00 4.50 4.00 3.50 2.75	3.5 3.0 4.6 - 3.1 3.4	78 72 63 90 97 90 91 70	3645 3825 4790 4450 4260 4220 3420 4564 5785	4795 5465 5140 5965 5145 5205 5230 5532 6345	5133 5523 5417 5438 5193 5322 5702
121472 48071 48486 17564	4.25 4.50 4.00 3.50	4.2 - 4.5 6.8	71 90 92 89	3395 4910 3900 4250	4335 5515 4895 5195	5404 5398 4915 5202
3304 587 49328 40078	3.25 4.25 3.50 4.50	5.0 2.0 4.8 3.8	99 100 86 89	4260 4080 4620 3620	5285 5185 5855 4535	5125 5222 5442 5192
106164 39448 40871 30654	4.00 3.00 4.00 4.50	4.1	91 - 89 88	5100 4690 3860 4110	5725 6120 4840 5105	5372 5460 5562 5355
25671 100353 100718 692673 29450	4.50 3.50 2.00 3.25 3.00	5.6 3.2 7.0 3.4	83 74 78 63 63	3840 3770 4660 4400 4840	4395 5955 5830 5400 5380	4780 5152 5393 5728 5537
29605 156291 156336 157581	4.00 4.00 4.50 3.50	4.7 5.0 5.3 5.0	62 81 83 89	4510 4790 4050 3950	5370 5730 5460 4865	5383 5493 5520 5352
Average	30 3.65	22	29 82	30 4285	30 5327	28

Frequency Distribution: 28 Day Compressive Strength

Sample ID	Slump in	Air Cont	Con Tmp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
Standard Dev						
prandata bev	0.77	1.2	11	537	492	211
Range		1.2			474	***
kange	2.00 4.50	2.0 7.0	62 100	3395 5785	4335 6345	4780 5728
Coefficient (
	21.10	27.59	13.69	12.52	9.24	3.95

CONSENT OF SURETY TO FINAL PAYMENT AlA Document G707 (Instructions on reverse side) FO OWNER: ARCHITECT'S PROJECT NO.: ARCHITECT'S PROJECT NO.:

CONTRACT FOR:

Addison, TX 75248

PROJECT: CONTRACT DATED: 6/11/02

Marsh Lane Water Line Replacement

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the timed name and audress of Surger

Gulf Insurance Company PO BOX 131771

Dallas, TX 75313

16801 Wentgrove

SURETY.

Marsh Lane Water Line Replacement

on bond of

timen name and address of Contractor,

Rycon, Inc.

13221 Bee St.

Farmers Branch, TX 75234

. CONTRACTOR.

hereby approves of the final payment to the Communor, and agrees that final payment to the Contractor shall not relieve the Surety of any of its obligations to

threst more and address of On next

Town Of Addison 16801 Wentgrove Addison, TX 75248

. OWNER.

as ser forth in said Sorety's bond

IN WITNESS WHEREOF, the Surery has beceurate set its hand on this date.

October 2, 2002

threet in a rang the mouth followed by the numeric date and year i

Gulf Insurance Company

The second second

દેશભુગસ્તાના ભેગાં અંતર્ભાવસામાં જાણાના ભાગમાં સામા

Debi Moon / Attorney-In-Fact

Praned name and affe)



Altest.

(Seal):

CAUTION: You should sign an original AIA document that has this caution printed in red. An original assures that changes will not be obscured as may occur when documents are reproduced. See Instruction Sheet for Limited License for Reproduction of this document.



GULF INSURANCE COMPANY HARTFORD, CONNECTICUT

POWER OF ATTORNEY

ORIGINALS OF THIS POWER OF ATTORNEY ARE PRINTED ON BLUE SAFETY PAPER WITH TEAL INK.

KNOW ALL MEN BY THESE PRESENTS: That the Gulf Insurance Company, a corporation duly organized under the laws of the State of Connecticut, having its principal office in the city of Irving, Texas, pursuant to the following resolution, adopted by the Finance & Executive Committee of the Board of Directors of the said Company on the 10th day of August, 1993, to wit:

"RESOLVED, that the President, Executive Vice President or any Senior Vice President of the Company shall have authority to make, execute and deliver a Power of Attorney constituting as Attorney-in-Fact, such persons, firms, or corporations as may be selected from time to time; and any such Attorney-in-Fact may be removed and the authority granted him revoked by the President, or any Executive Vice President, or any Senior Vice President, or by the Board of Directors or by the Finance and Executive Committee of the Board of Directors.

RESOLVED, that nothing in this Power of Attorney shall be construed as a grant of authority to the attorney(s)-in-fact to sign, execute, acknowledge, deliver or otherwise issue a policy or policies of insurance on behalf of Gulf Insurance Company.

RESOLVED, that the signature of the President, Executive Vice President or any Senior Vice President, and the Seal of the Company may be affixed to any such Power of Attorney or any certificate relating thereto by facsimile, and any such powers so executed and certified by facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond and documents relating to such bonds to which they are attached."

Gulf Insurance Company does hereby make, constitute and appoint

Steven Thomas

Debi Moon

Alan Robinson

Elvia Salazar

its true and lawful attorney(s)-in-fact, with full power and authority hereby conferred in its name, place and stead, to sign, execute, acknowledge and deliver in its behalf, as surety, any and all bonds and undertakings of suretyship, and to bind Gulf Insurance Company thereby as fully and to the same extent as if any bonds, undertakings and documents relating to such bonds and/or undertakings were signed by the duly authorized officer of the Gulf Insurance Company and all the acts of said attorney(s)-in-fact, pursuant to the authority herein given, are hereby ratified and confirmed.

The obligation of the Company shall not exceed five million (5,000,000) dollars.

IN WITNESS WHEREOF, the Gulf Insurance Company has caused these presents to be signed by any officer of the Company and its Corporate Seal to

be hereto affixed.

:

STATE OF NEW YORK SCOUNTY OF NEW YORK

GULF INSURANCE COMPANY

Lawrence P. Miniter
Executive Vice President

On this 1st day of October, AO 2001, before me came Lawrence P. Miniter, known to me personally who being by me duly sworn, did depose and say: that he resides in the County of Bergen, State of New Jersey; that he is the Executive Vice President of the Gulf Insurance Company, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instruments is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name, thereto by like order.

STATE OF NEW YORK SCOUNTY OF NEW YORK SS

THE OF NEW

SI INSURANCE COMP

SHE CORPORATE E

OWECT!

ANGIE MAHABIR-BEGAZO Notary Public, State of New York No. 01MA6019988

 Qualified in Kings County Commission Expires February 16, 2003

I, the undersigned, Senior Vice President of the Gulf Insurance Company, a Connecticut Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force.

Signed and Sealed at the City of New York.

Dated the

2nd

day of October

Habeba Beggo

₂₀ 02

George Biancardi Senior Vice President Council Agenda Item: #29

Passed 2-11-02

SUMMARY:

This item is for the award of contract to Rycon, Inc. for construction of the Marsh Lane Water Main Replacement Project.

FINANCIAL IMPACT:

Budgeted Amount:

\$500,000.00

Construction Cost:

\$311,410.00

Source of Funds:

Funds are available from FY 2001-02 Water and Sewer

Fund, as indicated in the Five Year Capital Replacement

Program, Project No. 93601.

BACKGROUND:

The Public Works Department established the need for the replacement of an existing 8" water main along the east side of Marsh Lane, from Brookhaven Club Drive to Spring Valley Road. This project is the result of numerous water main breaks in the area that has continuously disrupted service to adjacent commercial businesses. 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.

TOWN OF ADDISON, TEXAS Marsh Lane Water Line Replacement (Brookhaven Club Drive to Spring Valley Road)

<u>SUMMARY OF BIDS</u> Bids Received Until 10:00 a.m., Tuesday, May 28, 2002

Contractor	(A) Amount Bid (Items 1 thru 34)	Calendar <u>Days Bid</u>	(B) Calendar <u>Days x \$1,000</u>	(A) + (B) Total Amount of Bid
1. Rycon, Inc. 13221 Bee Street				
Farmers Branch, Texas 75234	\$ 311,410.00	90	\$ 90,000.00	\$ 401,410.00
2. John Burns Const. Co. of Texas P. O. Box 1117				
Lewisville, Texas 75067	\$ 374,400.00	70	\$ 70,000.00	\$ 444,400.00
3. Mastec North America 4747 Irving Blvd., #221				
Dallas, Texas 75247	\$ 422,805.00	120	\$ 120,000.00	\$ 542,805.00
 Texas Sterling Construction, L.P. 2100 N. Hwy. 360, #106A 			•	•
Grand Prairie, Texas 75050	\$ 515,918.00	120	\$ 120,000.00	\$ 635,918.00
5. Moss Construction Co., Inc. 3455 West F.M. 544				
Wylie, Texas 75098	\$ 566,668.00	120	\$ 120,000.00	\$ 686,668.00
6. C-Con Services 11127 Shady Trail, #108				
Dallas, Texas 75229	\$ 580,426.00	<u>85</u>	\$ 85,000.00	\$ 665,426.00 *

^{*} Did Not Bid on Item No. 34



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. I. C. FINKLEA, P.E.

May 31, 2002

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

Re: Marsh Lane Waterline

Dear Mr. Chutchian:

We are enclosing five copies of the bid tabulation for the Marsh Lane Waterline project in which bids were received until 10:00 a.m. on May 28, 2002. Also enclosed is a copy of the contractor's proposal and bid schedule from which the tabulation was created. Please note that the low bidder had a few errors, which were corrected during the bid tabulation process. Those errors and corrections are shown on the enclosed Contractors Proposal and Bid Schedule. It is our understanding that the Town of Addison is checking references and will make a recommendation for award to council.

We are available at your convenience to discuss any questions you may have with the tabulation.

Sincerely

John W. Birkhoff, P.E.

Enclosures

TOWN OF ADDISON, TEXAS Marsh Lane Water Line Replacement (Brookhaven Club Drive to Spring Valley Road)

SUMMARY OF BIDS

Bids Received Until 10:00 a.m., Tuesday, May 28, 2002

Contractor	(A) Amount Bid (Items 1 thru 34)	Calendar <u>Days Bid</u>	(B) Calendar <u>Days x \$1,000</u>	(A) + (B) Total Amount of Bid
1. Rycon, Inc.				
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 John Burns Const. Co. of Texas P. O. Box 1117 				
Lewisville, Texas 75067	\$ 374,400.00	70	\$ 70,000.00	\$ 444,400.00
3. Mastec North America 4747 Irving Blvd., #221				
Dallas, Texas 75247	\$ 422,805.00	120	\$ 120,000.00	\$ 542,805.00
 Texas Sterling Construction, L.P. 2100 N. Hwy. 360, #106A 				
Grand Prairie, Texas 75050	\$ 515,918.00	120	\$ 120,000.00	\$ 635,918.00
5. Moss Construction Co., Inc. 3455 West F.M. 544				
Wylie, Texas 75098	\$ 566,668.00	120	\$ 120,000.00	\$ 686,668.00
6. C-Con Services 11127 Shady Trail, #108				
Dallas, Texas 75229	\$ 580,426.00	* 85	\$ 85,000.00	\$ 665,426.00 *

^{*} Did Not Bid on Item No. 34

TOWN OF ADDISON, TEXAS Marsh Lane Water Line Replacement (Brookhaven Club Drive to Spring Valley Road)

BID SCHEDULE

Item	Estimated			Ţ	Price in	Ī	Extended	
No.	Quantity	Unit	Description and Price in Words		Figures		Amount	
1	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of Thirty-Six Dollars and No Cents per Linear Foot	\$	36.00	\$	72,540.00	
2	390	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of Forty-Nine Dollars and No Cents per Linear Foot	\$	49.00	\$	19,110.00	
3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of	\$	38.00	\$	3,230.00	
4	15	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of One Thousand, Two Hundred Dollars and No Cents per Each	\$	1,200.00		18,000.00	
5	18	Ea.	Furnish and Install New Meter With Box and Service Connection complete in place, the sum of Four Hundred Fifty Dollars and No Cents per Each	\$	450.00	S	8,100.00	

Item	Estimated			F	rice in	Ţ	extended
No.	Quantity	Unit	Description and Price in Words		igures	Amount	
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of Seven Hundred Twenty-Five Dollars	\$	725.00	\$	6,525.00
			and No				
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of Six Hundred Dollars	\$	600.00	\$	4,200.00
			and No Cents per Each				****
8	7	Ea.	Furnish and Install Standard Fire Hydrant complete in place, the sum of One Thousand, Seven Hundred Seventy-Five Dollars and No Cents per Each	\$	1,775.00	\$	12,425.00
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of Twenty Dollars and No Cents per Linear Foot	\$	20.00	\$	3,200.00
10	5	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of Eight Hundred Fifty Dollars andNo Cents per Each	\$	850.00 ;	\$	4,250.00
11	4	Ea.	For Connecting to Existing 8-Inch Waterline complete in place, the sum of One Thousand, Six Hundred Fifty Dollars and No Cents per Each	\$	1,650.00	\$	6,600.00

E NATE OF

Item	Estimated	** .		**********	Price in		Extended
No.	Quantity	Unit	Description and Price in Words	***********	Figures		Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of One Dollars and No Cents per Pound	\$	1.00	\$	5,000.00
13	36	L.F.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of Seventy-Five Dollars and No Cents per Linear Foot	\$	75.00	\$	2,700.00
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place, the sum of Eight Hundred Dollars and No Cents per Each	\$	800.00	₩	3,200.00
15	600	S.Y.	For Removing Existing 8-Inch Reinforced	\$	10.00	\$	6,000.00
16	600	S.Y.	For Furnishing and Placing 10-Inch Reinforced	\$	40.00	\$	24,000.00
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway complete in place, the sum of Thirty-Three Dollars and No Cents per Square Yard	\$	33.00	\$	10,725.00

Item	Estimated				Price in)	extended
No.	Quantity	Unit	Description and Price in Words		Figures		Amount
18	50	Ton	For Removing and Replacing Existing Hot Mix Asphaltic Concrete complete in place, the sum of Seventy-Five Dollars and No Cents per Ton	\$	75.00	\$	3,750.00
19	300	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk, including ADA Ramps complete in place, the sum of Thirty-Five Dollars and No Cents per Square Yard	\$	35.00	\$	10,500.00
20	150	Ton	Furnishing and Placing 1-Inch Hot Mix Asphalt Overlay complete in place, the sum of Sixty-One Dollars and No Cents per Ton	S	61.00	\$	9,150.00
21	150	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of Nine Dollars and No Cents per Linear Foot	**	9.00	\$	1,350.00
22	632	L.F.	For Removing and Replacing Existing 6-Inch	\$	15.00	\$	9,480.00
23	3,262	L.F.	•	S	4.00	\$	13,048.00

Item	Estimated				Price in	Ī	Extended
No.	Quantity	Unit	Description and Price in Words		Figures	i	Amount
24	0.25	Ac.	Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of Twenty-Two Thousand Dollars and No Cents per Acre	\$	22,000.00	\$	5,500.00
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of Seven Hundred Dollars and No Cents per Each	\$	700.00	\$	2,100.00
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of Six Hundred Fifty Dollars and No Cents per Each	••••••••••••••••••••••••••••••••••••••	650.00	\$	3,250.00
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of Four Thousand, Five Hundred Dollars and No Cents per Lump Sum	S	4,500.00	\$	4,500.00
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of Four Dollars and No Cents per Linear Foot	\$	4.00	\$	2,400.00
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of Seven Dollars and No Cents per Linear Foot	\$ s	7.00	\$	17,402.00

Item	Estimated			 Price in]	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	,	Amount
30	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of Ten Thousand Dollars and No	\$ 10,000.00	\$	10,000.00
31	5	Ea.	Cents per Lump Sum Abandon Existing Valve on Main 8-Inch Line in Place, including Pavement Replacement the sum of One Hundred Twenty-Five Dollars and No Cents per Each	\$ 125.00	\$	625.00
32	5	Ea.	Abandon Existing Valve in Place on Fire Hydrant Leads, including Solid Sod Restoration the sum of Three Hundred Ten Dollars and No Cents per Each	\$ 310.00	\$\$	1,550.00
33	1	Ea.	Furnishing and Installing 2-Inch Air and Vacuum Valve Assembly, including 2-Inch Gate Valve the sum of Two Thousand Dollars and No Cents per Each	\$ 2,000.00	\$	2,000.00
34	1	L.S.	For Irrigation Repairs or Replacement Caused by Construction Activities, complete in place by a	\$ 5,000.00	\$	5,000.00
AMOUN	T BID (It	ems 1	Through 34)		s	311,410.00

BID SCHEDULE SUMMARY

Total Amount
Materials & Services

			<u>Materi</u>	als & Services
(A) TOTA	AL (OF STANDARD BID (Items 1 Through 34):	\$	311,410.00
	Wr	itten in Words: Three Hundred Eleven Thousand, Four H	ındred Te	n Dollars
		and No Cents		***************************************
	TO	VTAL OF TIME BID: 90 (calendar days)		
(B) TOT	AL (OF CALENDAR DAYS x \$1,000.00 = \$ 90,000.00	_	
BASIS F	OR	COMPARISON OF BIDS: (A) + (B) = TOTAL BID:	s	401,410.00
NOTES:		All items, labor, materials, equipment, facilities, incidentals, and we of the project are to be provided and installed by the Contractor payment for the cost of such shall be included in the price bid project. Prices must be shown in words and figures for each item listed in the discrepancy, the words shall control.	as part o	f the project and nstruction of the
	3.	It is understood that the Bid Security shall be collected and retained damages in the event a contract is made by the Owner based on this calendar days after receiving bids and the undersigned fails to execution bonds within ten (10) days from the date the Contractor is not conformed documents. After this period, if the contract has been bonds have been submitted, the said Bid Security shall be return demand.	proposal ute the contified and executed	within ninety (90) tract and required has received the and the required
	4.	One contract will be awarded based on the total value of Items (A)	olus (B).	
Bidder's	Γax Ι	.D. No. or Employer No. 75-2940340		

By	(Seal)
(Individual's Name)	,
doing business as	
Business address:	
Phone No.	
A Partnership	
By	(Seal)
(Firm Name)	(Seal)
(General Partner)	(Seal)
(Firm Name)	(Seal)
(Firm Name) (General Partner)	(Seal)
(General Partner) doing business as Business address:	(Seal)
(General Partner) doing business as	(Seal)
(General Partner) doing business as Business address:	(Seal)

If BIDDER is:

An Individual

			05-14	, 2002
ro:	The Honorable Mayor and Town Council Town of Addison, Texas			•
Sentle	emen:			
he pr quip	endersigned bidder, having examined the plans roposed work, and being fully advised as to to ment and to perform labor and work necessary he Plans, Specifications and Contract for the fo	he extent and character for completion of the	of the work, propose	s to furnish all
\CKì	NOWLEDGMENT OF ADDENDA:			
he B	idder acknowledges receipt of the following ac	idenda:		•
Adder	ndum No. 1 05/06/02		•	
Adder	ndum No. 2 09/10/02			
	ndum No. 3 05/13/02 104-05/22/02	n		
	• •	R	Contractor	· · · · · · · · · · · · · · · · · · ·
		By: Signature:	MARK HERM (please) rint pline) (Cul W)	pon_
		Title:	AUGIDANT	
Seal a	and Authorization		13221 BEE	ST
If a C	Corporation)		Address	
			LMEDS BRANC	
			, County, State and Zip	484-8974
		Telephone	or vale	Fax No.
		E-Mail Address:		

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
i	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of FOUR Dollars and Cents per Linear Foot	36 39 _N S	72540 68510
2	390 F027		Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of Dollars and Cents per Linear Foot	49 46 ps	119110
3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut Complete in place, the sum of Dollars and Cents per Linear Foot	38 -35	3230 2975
4 Tue	uE H	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of	1200 HOQ -	18000 16500 NS
5	18	Ea.	Furnish and Install New Meter With Box and Service Connection complete in place, the sum of FAIR HUN ONED FIFTY Dollars and Cents per Each	450 475	8100 769

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of HUNDLED Dollars and Cents per Each	705	6975
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of Dollars and Cents per Each	600	4200
8	7 SALA		Furnish and Install Standard Fire Hydrant complete in place, the sum of fire Hydrant Hydroleth TONOLES and Cents per Each	1775	12,425. 5326 4500 US
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of Dollars and Cents per Linear Foot	20	3700
10	4	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of THE TUNDLES FITT Dollars and Cents per Each	890 700 ps	4750 2 800
11	4	Ea. S/4	For Connecting to Existing 8-Inch Waterline Complete in place, the sum of FIFT DOLL FIFT Dollars and Cents per Each	1650 1500	6000)

Item	Estimated	ľ – ·		Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of Dollars and Cents per Pound	100	5000
13	36	L.F.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of	75 70 W	2500
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place the sum of Dollars and Cents per Each	<i>80</i> 0	3200
15	600	S.Y.	For Removing Existing 8-Inch Reinforced Concrete Pavement complete in place, the sum of Dollars and Cents per Square Yard	10 By	6000 4860
16	600	S.Y.	For Furnishing and Placing 10-Inch Reinforced Concrete Pavement complete in place, the sum of Dollars and Cents per Square Yard	40	24000
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway complete in place, the sum of HIZTY HALES Dollars and Cents per Square Yard	<i>3</i> 3	10775

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
18	50	Ton	For Removing and Replacing Existing Hot Mix Asphaltic Concrete complete in place, the sam of SEVENTY Dollars and Cents per Ton	15 65 15	3750
19	2/5 300 Add.#2	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk complete in place, the sum of Dollars and Cents per Square Yard	3 5	10,500.00 B7
20	150	Ton	Furnishing and Placing 1-1/2-Inch Hot Mix Asphalt Overlay complete in place, the sum of Dollars and Cents per Ton	61	9150
21	150 3×2 NU.P.V	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of Dollars and Cents per Linear Foot	9	1,350.00 BL 3168
22	632	L.F.	For Removing and Replacing Existing 6-Inch Curb and Gutter complete in place, the sum of Dollars and Cents per Linear Foot	15	9480
23	3,262	L.F.	Full Depth Saw Cut complete in place, the sum of Dollars and Cents per Linear Foot	4	13048

Item	Estimated		r	Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
24	0.25	Ac.	Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of MANY WO HOUSTNU Dollars and Cents per Acre	22000	95,00
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of	700	2100
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of SH-HNOLED FIFT Dollars and Cents per Each	650	3750
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of FOLTY FILE FINITE Dollars and Cents per Lump Sum	4500	4500
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of Dollars and Cents per Linear Foot	4.	2400 H
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of Dollars and Cents per Linear Foot	7	1750 17,402 14916

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
30	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of EN HOUSTUD Dollars and Cents per Lump Sum	10,000	10,000
31	5	Ea.	Abandon Existing Valve on Main 8-Inch Line in Place, including Pavement Replacement the sum of Substituted Total Dollars and Cents per Each	125	6245
32	5	Ea.	Abandon Existing Valve in Place on Fire Hydrant Leads, including Solid Sod Restoration the sum of	310	1550
33		Ea.	Furnishing and Installing 2-Inch Air and Vacuum Valve Assembly, including 2-Inch Gate Valve the sum of House Dollars and Cents per Each	2000	2000
AMOUN	r RID (Ita	ms 1 7	Chrough 33)		205, 802 do
34.		L5	ILLIBATION REPAILS 24 LICENSED IRLIGATOR	TOTAL 3	304,310.00 5000

\$ 311, 410.00 BZ

BID SCHEDULE SUMMARY

Total Amount

Materials & Services

195 857

(A) TOTAL OF STANDARD BID (Items, 1 Through 33):
THREE PENALED FOUR TOUSTUD THREE thinks ten
Written in Words: \ TWO FUNCTION GIOHILY FIRE IFFORMATION
FEWAT HOND TWO DOWNS
TOTAL OF TIME BID:(calendar days)
(B) TOTAL OF CALENDAR DAYS x \$1,000.00 = \(\textstyle{\mathbb{D}_{\ell}} \)
BASIS FOR COMPARISON OF BIDS: (A) + (B) = TOTAL BID:
TOTAL # 394310.00
401, 410.00 87
NOTES: 1 All items labor materials equipment facilities incidentals and work required for construction

- IES: 1. All items, labor, materials, equipment, facilities, incidentals, and work required for construction of the project are to be provided and installed by the Contractor as part of the project and payment for the cost of such shall be included in the price bid for the construction of the project.
 - 2. Prices must be shown in words and figures for each item listed in this Proposal. In the event of discrepancy, the words shall control.
 - 3. It is understood that the Bid Security shall be collected and retained by the Owner as liquidated damages in the event a contract is made by the Owner based on this proposal within ninety (90) calendar days after receiving bids and the undersigned fails to execute the contract and required bonds within ten (10) days from the date the Contractor is notified and has received the conformed documents. After this period, if the contract has been executed and the required bonds have been submitted, the said Bid Security shall be returned to the undersigned upon demand.
 - 4. One contract will be awarded based on the total value of Items (A) plus (B).

Bidder's Tax I.D. No. or Employer No.

75-2940340

pecifications and contract documents, and the location of extent and character of the work, proposes to furnish all or completion of the work described by and in accordance wing prices, to wit:
Signed by Exec. J.P.
nda:
John Burns Construction Congay & Toros, inc.
By:
Title: Executive Vice treided
Address Lewisville Darbou Cexce 75067 City, County, State and Zip
972/434-6789 972/221-8301 Telephone Fax No.
E-Mail Address: <u>dtabbs@bcco.com</u>

Gentlemen:

TO:

The undersigned bidder, having examined the plans, s the proposed work, and being fully advised as to the equipment and to perform labor and work necessary fo with the Plans, Specifications and Contract for the follo

ACKNOWLEDGMENT OF ADDENDA:

The Bidder acknowledges receipt of the following adder

The Honorable Mayor and Town Council

Town of Addison, Texas

Addendum No. 1 S/leloz

Addendum No. 2 Slioloz

Addendum No. 3 <u>5/13/02</u> D.B.

Add.

Seal and Authorization (If a Corporation)

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
1	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of	\$60,00	\$120,900.
			Dollars and No Cents per Linear Foot		
2	390	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of DNG. HUNDRED TWENTY TWO Dollars and	\$122.°°	\$47,580.5
			Cents per Linear Foot		
3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of Thirty Five Dollars and Fifty Cents per Linear Foot	\$ 35. <u>50</u>	\$3017,5 <u>0</u>
4	15	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of Four Hundred twanty Dollars and No Cents per Each	\$420.°°	\$6,300,00
5	18	Ea.	Furnish and Install New Meter With Box and	\$ 725. °°	\$13,050.00

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of Seven Howdard Eighty Five Dollars and Cents per Each	£ 785 °°	\$7,045
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of Five flundand Eighty runc Dollars and Cents per Each	\$581, °°	\$4,067. °
8	7	Ea.	Furnish and Install Standard Fire Hydrant complete in place, the sum of BNE. Thousand Fire Hudered Dollars and No Cents per Each	\$1500.00	\$10,500.00
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of Seventure Dollars and No	\$17.°°	\$2720.00
10	Add + Z	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of Food Howdard Fifty Dollars and No Cents per Each	\$450,00	\$ 2250. °°
11	4		For Connecting to Existing 8-Inch Waterline complete in place, the sum of One Thornel Two Avadacd twenty Five Dollars and No Cents per Each	4/225.00	\$4,900.00

Item	Estimated	l		Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of DNS	\$1. 50	\$5,000.00
			and No Cents per Pound	·	
13	36	L.F.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of Two Howdred Dollars	‡ 200.°°	\$ 7200.00
			and Mo Cents per Linear Foot		
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place, the sum of Two Hundred	\$200.00	\$ 800,00
	,		and Dollars Cents per Each	•	
15	600	S.Y.	For Removing Existing 8-Inch Reinforced Concrete Pavement complete in place, the sum of	\$7.25	\$4,350,00
			and Twarty Five Cents per Square Yard		
16	600	S.Y.	For Furnishing and Placing 10-Inch Reinforced Concrete Pavement complete in place, the sum of Fifty Seven Dollars and Seventy Five Cents per Square Yard	\$52.25	\$34,650.°°
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway	\$29. 50	\$9587. 50

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
18	50	Ton	For Removing and Replacing Existing Hot Mix Asphaltic Concrete	\$ 82.50	\$ 4,125. 00
19	Add 42.	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk inch. ADA Kampa complete in place, the sum of Thirty Dure Dollars and Ninety Cents per Square Yard		\$ 9570. ·
20	150	Ton	Furnishing and Placing 1-12-Inch Hot Mix Asphalt Overlay complete in place, the sum of Squarty Squart Dollars and Forty Cents per Ton	\$ 77. 40	\$11,610.00
21	150 359	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of Fore Dollars and Cents per Linear Foot	\$4.00	\$600.00
22	632	L.F.	For Removing and Replacing Existing 6-Inch Curb and Gutter	\$13. <mark>25</mark>	\$ 8,374.
23	3,262	L.F.	Full Depth Saw Cut complete in place, the sum of	私型	\$4893.°°

Item	Estimated	l		Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
24	0.25	Ac.	Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of Fiffeen Thousand Dollars and No Cents per Acre	j	13,750.00
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of Ning Hundred Ningty Dollars and No Cents per Each	\$990.00	\$ 2,970, 00
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of Jwo Howdard Fighty Five. Dollars and Al- Cents per Each	\$ 286.00	\$ 1425, ²⁰
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of Fiffeed Thousand Dollars and Cents per Lump Sum	\$15,000.	15,000.
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of ONE Dollars and Sixty Cents per Linear Foot	\$1. 00	\$960.00
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of ONE Dollars and Oo Cents per Linear Foot	\$1.00	\$2,484.°°

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
30	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of Five Hundred Dollars and Na Cents per Lump Sum	\$ 500, °°	\$500, ••
31	5	Ea.	Abandon Existing Valve on Main 8-Inch Line in Place, including Pavement Replacement the sum of Two Hundred Twanty Fire Dollars and Cents per Each	\$ 225.00	\$1125. <u>==</u>
32	5	Ea.	Abandon Existing Valve in Place on Fire Hydrant Leads, including Solid Sod Restoration the sum of Nively Five. Dollars and	\$95.°°	\$475.00
33	1	Ea.	Furnishing and Installing 2-Inch Air and Vacuum Valve Assembly, including 2-Inch Gate Valve the sum of Sixteen Hundred Dollars and Cents per Each	\$1600.00	\$1600.00
					\$374,400.°°

Page PF-8, add Bid Item 34 as follows:

Item No.	Estimated Quantity	Unit	Description and Price in Words	
34	1	L.S.	For Irrigation Repairs or Replacement Caused by Construction Activities, complete in place by Licensed Irrigator the sum of Twenty One Thousand Dollars and No Cents per Lump Sum	21,000.03

BID SCHEDULE SUMMARY

Total Amount

·	Materials & Services
(A) TOTAL OF STANDARD BID (Items 1 Through 33):	\$ 374,400,00.
Written in Words: These Hundred Savanty Four Thous. Dollas and No Cants.	and Four Hundard
TOTAL OF TIME BID: 70 (calendar days)	
(B) TOTAL OF CALENDAR DAYS x \$1,000.00 = $\frac{$70,000.50}{}$	
BASIS FOR COMPARISON OF BIDS: (A) + (B) = TOTAL BID:	444,400,00
	· •

- NOTES: 1. All items, labor, materials, equipment, facilities, incidentals, and work required for construction of the project are to be provided and installed by the Contractor as part of the project and payment for the cost of such shall be included in the price bid for the construction of the project.
 - 2. Prices must be shown in words and figures for each item listed in this Proposal. In the event of discrepancy, the words shall control.
 - 3. It is understood that the Bid Security shall be collected and retained by the Owner as liquidated damages in the event a contract is made by the Owner based on this proposal within ninety (90) calendar days after receiving bids and the undersigned fails to execute the contract and required bonds within ten (10) days from the date the Contractor is notified and has received the conformed documents. After this period, if the contract has been executed and the required bonds have been submitted, the said Bid Security shall be returned to the undersigned upon demand.
 - 4. One contract will be awarded based on the total value of Items (A) plus (B).

Bidder's Tax I.D. No. or Employer No. 75-2016980

		$\frac{771d4}{4}$, 2002
TO:	The Honorable Mayor and Town Council Town of Addison, Texas	
Gentle	men:	
the pro	oposed work, and being fully advised as to the	pecifications and contract documents, and the location of extent and character of the work, proposes to furnish all or completion of the work described by and in accordance wing prices, to wit: Signed by:
ACKN	OWLEDGMENT OF ADDENDA:	
The B	idder acknowledges receipt of the following adde	nda:
Adden	dum No. 1 <u>5 - 6 - 02</u>	
Adden	dum No. 2 5-10-02	
Adden	dum No. 3	.
Adder	dum No.4 5-22-02	
	nd Authorization corporation)	Mastec North America Contractor By: David Holland, Signature: Le Jacket Region Title: Director, Western Region 4747 Irving Blvd. #221 Address Dallas Texas 75247 City, County, State and Zip
		2/4-57/-2500 2/4-57/-2555 Telephone Fax No.
		E-Mail Address: Shollande mastec.com

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
1	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of		
**************************************			and No Dollars Cents per Linear Foot	S0.00	100,750.00
2	390	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of		
			One Hundred Dollars and No Cents per Linear Foot	100.00	39,000.00
3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of		
			and Mo Cents per Linear Foot	32.CO	2,720.01
4	15	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of Twenty One Hundred Twenty Five Dollars and		
			Cents per Each Furnish and Install New Meter With Box and	2125,00	31,875.00 B
5	18	Ea.	Service Connection complete in place, the sum of Twenty One Hundred Twenty Five Dollars and Cents per Each	2/2 <i>\$D</i> I	31,875.00 38, 250.00

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of Eight Hundred Dollars and		
			Cents per Each	800.00	7200.00
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of Five Hundred Seventy Five Dollars and Cents per Each	575,00	4025,00
					,
8	7	Ea.	Furnish and Install Standard Fire Hydrant complete in place, the sum of		
			Eighteen Hondred Fifty Dollars and No Cents per Each	1850.00	12,950.00
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of		,
			Twenty Five Dollars and No Cents per Linear Foot	25.00	4,020.00_
10	5.	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of		
			Five Hundred Dollars and No Cents per Each	S00.00	2,500.00
. 11	4	Ea.	For Connecting to Existing 8-Inch Waterline complete in place, the sum of		
			Fifteen Hundred Dollars and No	isman	1 000 00
<u> </u>	لــــــا		Cents per Each	1500,00	6,000.00

Item No.	Estimated Quantity	Unit	Dogovintion and Brigarin Wards	Price in Figures	Extended Amount
<u> </u>			Description and Price in, Words	Figures	Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of		
			Two Dollars		
			and Seventy Five. Cents per Pound	2,75	13,750.00
13	36	L.F.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of	2,13	
			Seventy Five Dollars and No	70.00	2 700 80
			Cents per Linear Foot	75,00	2,760.60
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place, the sum of		
			Fifteen Hundred Dollars and No		4 000 00
	:		Cents per Each	1500.00	6,000.00
15	600	S.Y.	For Removing Existing 8-Inch Reinforced Concrete Pavement complete in place, the sum of		
			Ten Dollars and N6		
			Cents per Square Yard	10.00	<u>4,000,00</u>
16	600	S.Y.	For Furnishing and Placing 10-Inch Reinforced Concrete Pavement complete in place, the sum of	·	
			Sixty Nine Dollars and No Cents per Square Yard	69.CO	41,400,00
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway complete in place, the sum of		,
			Seventy Two Dollars		
			Cents per Square Yard	72,00	23,400,00

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
18	50	Ton	For Removing and Replacing Existing Hot Mix Asphaltic Concrete complete in place, the sum of One Hundred Dollars		
			and Nh, Cents per Ton	100.00	5,000,00
19	300 225	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk & ADA Ramp complete in place, the sum of		
			and No Cents per Square Yard	40,00	12,000,00
20	150	Ton	Furnishing and Placing 1 22-Inch Hot Mix Asphalt Overlay complete in place, the sum of One Hundred Dollars		
			and No Cents per Ton	100,00	15,000,00
21	150	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of		
			and Mb Cents per Linear Foot	54.00	8,100.00
22	632	L.F.	For Removing and Replacing Existing 6-Inch Curb and Gutter complete in place, the sum of		
			Fifteen Dollars and Mo	15.00	9,480,00
23	3,262	L.F.	Full Depth Saw Cut complete in place, the sum of TWO Dollars		
			and Ab Cents per Linear Foot	2.00	6,524.00

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
24	0.25		Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of		
			Fifteen Thousdayd Dollars and No Cents per Acre	15,000.00	3,7 <i>5</i> 0.60
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of		
			Five Hundred Dollars and No Cents per Each	500,00	1,500.@
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of		
			Two Hundred Fifty Dollars and No. Cents per Each	250,00	1,250,00
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of		
			Seventy Two Hundred Thirty Dollars and	7230,00	7230,00
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of		
		·	One Dollars and Eighty Cents per Linear Foot	1.60	1,080.00
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of		
			One Dollars and Mb Cents per Linear Foot	1.00	2,486.00

Item	Estimated			Price in	Extended		
No.	Quantity	Unit	Description and Price in Words	Figures	Amount		
30	1	L.S.	Furnish Trench Safety Plan				
			complete in place, the sum of				
-			Six Hundred Dollars				
			and No				
			Cents per Lump Sum	60,00	600.00		
			Abandon Existing Valve on Main 8-Inch Line in				
31	5	Ea.	Place, including Pavement Replacement				
- "			the sum of				
			One Hundred Dollars				
			and Ne				
			Cents per Each	100,00	500.00		
			Collabor Davi	7007	1 20.22		
	_						
			Abandon Existing Valve in Place on Fire				
32	5	Ea.	Hydrant Leads, including Solid Sod Restoration				
- -	·		the sum of				
			and smill of				
			One Hundred Dollars		•		
			and Mo				
			Cents per Each	100,00	500.00		
			Certa per Lacii		1 20.00		
			Furnishing and Installing 2-Inch Air and				
			Vacuum Valve Assembly, including 2-Inch Gate				
33	1	Ea.	Valve				
23	*	. ۵۰	·				
			the sum of Seventeen Hundred				
			Eighty Five Dollars				
			and	1785.00	1,785.00		
	<u> </u>		Cents per Each	///4.0*	1/100,00		
MOUN	r BID (Ite	ms 1 7	Through 33)		444,055.00		
	B. F	age PF	-8, add Bid Item 34 as follows:		422,805,00		
-		Item	Estimated	_	, , , , , , , , , , , , , , , , , , , ,		
	===	No.	Quantity Unit Descrip	ntion and Price i	in Words		
		34	1 L.S. For Irrigation Repairs of	or Replacement	Caused by Construction		
			Activities, complete in	place by Licens			
			Thirty Five Hu	ndred	Dolla		
and Cents per Lump Sum.							

BID SCHEDULE SUMMARY

(A) TOT.	AL	OF STANDARD BID (Items 1 Through 34):	Total Amount Materials & Services 422,805 e) \$ 444,055 -00					
	Wr	ritten in Words: Four Hundred Forty Four Thousand I Dollars No Cents	Fiffy Five					
	TC	OTAL OF TIME BID: 120 (calendar days)						
(В) ТОТ	AL ·	OF CALENDAR DAYS x \$1,000.00 = 120,000.00	_					
BASIS F	OR	COMPARISON OF BIDS: (A) + (B) = TOTAL BID:	544,055,00					
			542, 805.00 BJ					
NOTES:	1.	All items, labor, materials, equipment, facilities, incidentals, and work required for construction of the project are to be provided and installed by the Contractor as part of the project and payment for the cost of such shall be included in the price bid for the construction of the project.						
	2.	Prices must be shown in words and figures for each item listed in this discrepancy, the words shall control.	s Proposal. In the event of					
	3.	It is understood that the Bid Security shall be collected and retained damages in the event a contract is made by the Owner based on this parallel calendar days after receiving bids and the undersigned fails to execut bonds within ten (10) days from the date the Contractor is not conformed documents. After this period, if the contract has been bonds have been submitted, the said Bid Security shall be returned demand.	proposal within ninety (90) te the contract and required fied and has received the executed and the required					
	4	One contract will be awarded based on the total value of Items (A) nl	us (B)					

Bidder's Tax I.D. No. or Employer No. 65. 0429357

<u>5-28-02</u>,2002

TO:	The Honorable Mayor and Town Council Town of Addison, Texas	
Gentler	men:	
the pro	posed work, and being fully advised as to the	ecifications and contract documents, and the location of extent and character of the work, proposes to furnish all completion of the work described by and in accordance wing prices, to wit: Signed by: Anthony Colombo W7.
ACKN	OWLEDGMENT OF ADDENDA:	
The Bi	dder acknowledges receipt of the following adder	oda:
Adden	dum No. 1 Arc	
Adden	ium No. 2 AC	
Adden	dum No. 3	No.
459au	idum 1004 Al	TEXAS STEELING CONSTRUCTION L.P.
	d Authorization orporation)	STRECING CONTRACTOR /TO GIMENE PARTIE. By: Anthony Colombo (plase printing) Signature: Title: ME PERSON ZIOON Hwy 360 Soits 106 A Address Grand Proiris 15050 City, County, State and Zip 972-606-2733 Telephone Fax No. E-Mail Address: CWALLIOO77@ AOL. Com

	Item	Estimated			Price in	Extended
	No.	Quantity	Unit	Description and Price in Words	Figures	Amount
	1	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of	E9 ≃	179335=
***	2	390	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of Dollars and Cents per Linear Foot	10000	39,000°2
	3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of	90°°°	765000
	4	15	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of		-
				and Conts per Each Furnish and Install New Meter With Box and	1,00000	15.00000
> ////////////////////////////////////	5	18	Ea.	Service Connection complete in place, the sum of Four Hunderd Trouble, Five Dollars and Cents per Each	425°°	765°°

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of Thicker hunderd Dollars and	1,300-	11,700°
	·		Cents per Each	.7.70	11, 100
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of Eight Hoods & Dollars and Do Cents per Each	850°°°	5,950°°
8	7	Ea.	Furnish and Install Standard Fire Hydrant complete in place, the sum of Dollars and Cents per Each	3,200°°	22,400
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of Once Hundred Fights and Dollars and Cents per Linear Foot	118.00	`°088,81
10	Addrod-n + 2	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of	1300	6,500°
11	4	Ea.	For Connecting to Existing 8-Inch Waterline complete in place, the sum of	300 ్	5,200

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of Dollars and Cents per Pound	వ్ _{లం}	10,000
13	36	L.F.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of	78°°	2,808°°
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place, the sum of	350°°	1,40000
15	600	S.Y.	For Removing Existing 8-Inch Reinforced Concrete Pavement complete in place, the sum of Dollars and Cents per Square Yard	25°22	15.000
16	600	S.Y.	For Furnishing and Placing 10-Inch Reinforced Concrete Pavement complete in place, the sum of Dollars and Cents per Square Yard	56°°	33,600-0
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway complete in place, the sum of Dollars and Cents per Square Yard	75.50	24,375

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
18	50	Ton	For Removing and Replacing Existing Hot Mix Asphaltic Concrete complete in place, the sum of Dollars and Cents per Ton	35 ^{°°}	1,750°°
19	275 300 Addunden # 2	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk \ ADA Romps complete in place, the sum of	54°°	17,700
20	150 Addundon # 2	Ton	Furnishing and Placing 1-12-Inch Hot Mix Asphalt Overlay complete in place, the sum of Dollars and Cents per Ton	7500	11,25000
21	150 Addendom #2	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of Dollars and Cents per Linear Foot	400	600°5
22	632	L.F.	For Removing and Replacing Existing 6-Inch Curb and Gutter complete in place, the sum of Dollars and Cents per Linear Foot	30°°	18,960"
23	3,262	L.F.	Full Depth Saw Cut complete in place, the sum of Dollars and Cents per Linear Foot	2 ^{ం్ర}	6,524°°

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
24	0.25	Ac.	Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of Tiffer Incuspred Dollars		
			and No.6 Cents per Acre	15,000°	3,750°°
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of	35°~	
			Cents per Each		1,050
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of Two Hymde & d Dollars		·
			and No.	200.	1,000
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of Eightwee Thousand Dollars and Cents per Lump Sum	18,200°	18,200°°
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of		,
			and No 6 Cents per Linear Fóot	300	1,80000
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of	,000	7,486°°

Îtem	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
30	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of Six Hunder and Dollars and Cents per Lump Sum	అం లో	60000
31	5	Ea.	Abandon Existing Valve on Main 8-Inch Line in Place, including Pavement Replacement the sum of		·
			and Cents per Each	500"	2,50000
32	5	Ea.	Abandon Existing Valve in Place on Fire Hydrant Leads, including Solid Sod Restoration the sum of Dollars and Cents per Each	500	2500°°
33	1	Ea.	Furnishing and Installing 2-Inch Air and Vacuum Valve Assembly, including 2-Inch Gate Valve the sum of Eighte was Hunder A Dollars and Cents per Each	1,800	°°006,1
Item No.	Estimated Quantity	Ŭ	nit Description and Price in V	Vords	
34	1	L	S. For Irrigation Repairs or Replacement Ca Activities, complete in place by Licensed. Seventucion Thomas and Cents per License Licen	Irrigator the sum Dol	

PF-8

BID SCHEDULE SUMMARY

- NOTES: 1. All items, labor, materials, equipment, facilities, incidentals, and work required for construction of the project are to be provided and installed by the Contractor as part of the project and payment for the cost of such shall be included in the price bid for the construction of the project.
 - 2. Prices must be shown in words and figures for each item listed in this Proposal. In the event of discrepancy, the words shall control.
 - 3. It is understood that the Bid Security shall be collected and retained by the Owner as liquidated damages in the event a contract is made by the Owner based on this proposal within ninety (90) calendar days after receiving bids and the undersigned fails to execute the contract and required bonds within ten (10) days from the date the Contractor is notified and has received the conformed documents. After this period, if the contract has been executed and the required bonds have been submitted, the said Bid Security shall be returned to the undersigned upon demand.
 - 4. One contract will be awarded based on the total value of Items (A) plus (B).

Bidder's Tax I.D. No. or Employer No. 38-1504767

BID FORM

	, 2002
The Honorable Mayor and Town Council Town of Addison, Texas	
emen:	
oposed work, and being fully advised as to	ns, specifications and contract documents, and the location of the extent and character of the work, proposes to furnish all ry for completion of the work described by and in accordance following prices, to wit:
	Signed by:
IOWLEDGMENT OF ADDENDA:	
idder acknowledges receipt of the following	addenda:
	,
` '	· · · · · · · · · · · · · · · · · · ·
ϵ . I Λ	· .
dum No.3 5/15/02	
3/02/02	Mogg Construction Co. Inc.
	Contractor
	By: Mackie Klingbeil
	By: Mackie Klingbeil Signature: Machie Klingbeil
	Title: Vice President
•	·
nd Authorization	3455 W. F. M. 544
orporation)	Address Wy / 1-e Tex 75098 City, County, State and Zip
	City, County, State and Zip
	972-442-0499 972-442-4758
	Telephone Fax No.
	Town of Addison, Texas men: Idersigned bidder, having examined the pla possed work, and being fully advised as to nent and to perform labor and work necessa the Plans, Specifications and Contract for the OWLEDGMENT OF ADDENDA: dder acknowledges receipt of the following: dum No. 1

BID SCHEDULE

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
1	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of ONE HUNDERD 3 TWO Dollars and No	\$ 102.°°	205,530.00
2	390	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of ONE HUNDRIO 3 SIXTY SEVEN Dollars and No Cents per Linear Foot	167.00	65, 130.
3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of NINEY - EIGHT Dollars and No Cents per Linear Foot	98.3	8, 330.
4	15	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of SEVEN AUNDRED 3 EIGLEM Dollars and Cents per Each	780.00	11,700.
5	18	Ea.	Furnish and Install New Meter With Box and Service Connection complete in place, the sum of EIGHT HUNDRED Dollars and Cents per Each	800. -	14, 400.

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of SEVEN HUNDEED? FIGURY Dollars and Cents per Each	\$ 780. **	\$ 7,020,—
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of FIVE HUNDRED 3 NINETY - FIVE Dollars and No Cents per Each	595. ==	4,165,00
8	7	Ea.	Furnish and Install Standard Fire Hydrant complete in place, the sum of TWO THOUSAND TURKE HUNDRED F FIGHTY Dollars and No Cents per Each	Z, 380.==	16,660.
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of THICTY - SIX Dollars and Cents per Linear Foot	36. <u>~</u>	5, 760. 00
10	Per ADD. # Z	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of NINE HUNDRED : SEVENTY Dollars and Cents per Each	970. =	4, 850. 00
11	4	Ea.	For Connecting to Existing 8-Inch Waterline complete in place, the sum of ONE THOUSAND TWO HUNDRED 3 FIFTY Dollars and No Cents per Each	1,250.00	5,000.

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of	当	10,000.00
13	36	LF.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of SEJENTY - ONE Dollars and No Cents per Linear Foot	71.00	2,556.00
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place, the sum of SEVEN HUNDRED 3 TIFTY - FIVE and Cents per Each	755. ∞	3,020.00
15	600 / 200. 5" / 200. 10" 10" per 100. 12		For Removing Existing 8-Inch Reinforced Concrete Pavement complete in place, the sum of TWENTY - TWO Dollars and Cents per Square Yard	22.==	13,200.
16	J 600	S.Y.	For Furnishing and Placing 10-Inch Reinforced Concrete Pavement complete in place, the sum of SEJENT - ONE Dollars and FIGH Cents per Square Yard	71.5°	42,900.°°
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway complete in place, the sum of FOFT - TWO Dollars and Cents per Square Yard	52.800	\$ 16,900.00 Bd

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
18	50	Топ	For Removing and Replacing Existing Hot Mix Asphaltic Concrete complete in place, the sum of ONE LUNDERD 3 NINET - EIGHT Dollars and No Cents per Ton	* 198. °	9,900.00
19	275) 300) pu. 400. +2	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk INCL. ADA. RAMPS, complete in place, the sum of SIXTY - TWO Dollars and Cents per Square Yard	62. 	18, 600.
20	150	Ton	(1) INCH Furnishing and Placing 1-1/2-Inch Hot Mix Asphalt Overlay (PAR AND #2) complete in place, the sum of NINETY - NINE Dollars and No Cents per Ton	99.00	14,850.
21	352 150 pm 400. + 2	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of Syg Dollars and Cents per Linear Foot	6.00	900. 20
22	632	L.F.	For Removing and Replacing Existing 6-Inch Curb and Gutter complete in place, the sum of THICH Dollars and ENDIFY Cents per Linear Foot	30. 80	19,465.
23	3,262	L.F.	Full Depth Saw Cut complete in place, the sum of Two Dollars and Seventy Cents per Linear Foot	2.70	8, 807. 40

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
				de	\$
24	0.25	Ac.	Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of FOUR THOUSAND 7 SEVEN HUNDRED Dollars and No Cents per Acre	4,700.	1,175.00
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of FIVE HUNDRED TO Dollars and NO Cents per Each	517.	1,551.
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of FIVE HUNDERO? FOURTY Dollars and Cents per Each	540.°°	2,700. 2
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of ELEVEN THOUSAUD Dollars and No Cents per Lump Sum	11,000.00	11,000.=
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of TWO Dollars and SEVENTY - FIVE Cents per Linear Foot	Z. ^{II}	1,650.00
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of	0,50	1,243.

Item	Estimated		1	Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
				<u>\$</u>	*
30	1	L.S.	Furnish Trench Safety Plan		→
			complete in place, the sum of		
	į .		THREE HUNDRED ? THIRTY		00
			Dollars	330.	330.
			and No		• •
			Cents per Lump Sum		
			Abandon Existing Valve on Main 8-Inch Line in		·
31	5	Ea.	Place, including Pavement Replacement		
			the sum of DNE THOUSAND 3		
			EIGHTY - FIVE	1,085.	5,425.
			Dollars	1,000.	1 -) 103.
			and No Cents per Each		
			Contro per Lacri		<u> </u>
			Abandon Existing Valve in Place on Fire		
32	5	Ea.	Hydrant Leads, including Solid Sod Restoration		
			the sum of		
			Four HUNDRED Dollars	400.00	Z,000.
			and No	700.	
			Cents per Each	·•	
			Furnishing and Installing 2-Inch Air and		į
			Vacuum Valve Assembly, including 2-Inch Gate		
33	1	Ea.	Valve		
			the sum of THREE THOUSAND, FIVE	3,550.00	2550
			HUNDERO F FIFTY Dollars	J ₁ 33 0 .	3,550.
			and No		
			Cents per Each	_	
AMOUN	T BID (Ite	ms 1 1	Through 33)		
					·
34	- 1	Ls.	FOR IRRIGATION REPAIR OR REPL		 ∞ 26,400 ∞
				1 26,400.	76,700
). (18)		CAUSED BY CONSTRUCTION. FOR THE		
	r. <i>102</i>		SUM OF: TWENTY-SIX		
	ř.		THOUSAND ? FOUR HUNDRED D	occars	
	.		1 · N\n	NTS	1
				, ,	# 200
Ama	INT BID	(1-	- 34)	•	566,668,00
		-			-111000
					566,668,

BID SCHEDULE SUMMARY

Total Amount

(A) TOT/	AL :	34 على المحافظة OF STANDARD BID (Items 1 Through (33))	Materials & Services 66, 66 8.00 8 566 928
(1.1)		itten in Words: Five Hundred Sixty six Thousand	nine Hundred
	TO	OTAL OF TIME BID: 120 (calendar days)	Cents
(В) ТОТА	AL (OF CALENDAR DAYS x \$1,000.00 = (20,000	
BASIS FO	OR	COMPARISON OF BIDS: (A) + (B) = TOTAL BID:	686,928
			686, 668.00 B
NOTES:	1.	All items, labor, materials, equipment, facilities, incidentals, and wor of the project are to be provided and installed by the Contractor payment for the cost of such shall be included in the price bid to project.	as part of the project and
	2.	Prices must be shown in words and figures for each item listed in the discrepancy, the words shall control.	is Proposal. In the event of
	3.	It is understood that the Bid Security shall be collected and retained damages in the event a contract is made by the Owner based on this calendar days after receiving bids and the undersigned fails to execut bonds within ten (10) days from the date the Contractor is notic conformed documents. After this period, if the contract has been bonds have been submitted, the said Bid Security shall be returned demand.	proposal within ninety (90) te the contract and required fied and has received the executed and the required
	4.	One contract will be awarded based on the total value of Items (A) pl	us (B).

1-75-2281779-4

Bidder's Tax LD. No. or Employer No.

BID FORM

Town of Addison, Texas	
Gentlemen:	
the proposed work, and being fully advised as to	ns, specifications and contract documents, and the location of the extent and character of the work, proposes to furnish all ry for completion of the work described by and in accordance following prices, to wit:
	Signed by:
ACKNOWLEDGMENT OF ADDENDA:	
The Bidder acknowledges receipt of the following	addenda:
Addendum No. 1 <u>5-6-02</u>	
Addendum No. 2 5-10-02	
Addendum No. 3 5-13-02 WAY 5-22-02 Seal and Authorization (If a Corporation)	C-CON SERVICES Contractor By: EARL COTTON (please print name) Signature: (please print name) Title: PRESIDENT 11127 SHADY TRAIL SUITE 108 Address DALLAS TX 75229 City, County, State and Zip 972-243-5455 243-5227
,	Telephone Fax No. E-Mail Address:

TO:

The Honorable Mayor and Town Council

BID SCHEDULE

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
1	2,015	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of	85. <u>**</u>	/71,275,00
2	390	L.F.	Furnish and Install 8-Inch PVC (C-909, Class 150) Waterline by other than Open Cut complete in place, the sum of Two Hundred Fifty Dollars and Zevo Cents per Linear Foot	250.00	97,500.00
3	85	L.F.	Furnish and Install 6-Inch PVC (C-909, Class 150) Waterline, including Embedment by Open Cut complete in place, the sum of Seventy Eight Dollars and Zevo Cents per Linear Foot	78.00	6,430.00
4	15	Ea.	Furnish and Install 2-Inch Service Connection, including All Fittings at Water Main complete in place, the sum of	1,500. ⁰⁰	22,500.00
5	18	Ea.	Furnish and Install New Meter With Box and Service Connection complete in place, the sum of OneTrousand Three Hundred Dollars and Z-evo Cents per Each	1,300.ºº	23,400.°°

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Pricé in Words	Figures	Amount
6	9	Ea.	Furnish and Install 8-Inch Resilient Seated Gate Valve complete in place, the sum of One Thousand Dollars and Zero Cents per Each	1,000.00	9,000.00
7	7	Ea.	Furnish and Install 6-Inch Resilient Seated Gate Valve complete in place, the sum of Nine Hundred Dollars and Zero Cents per Each	900.00	6,300 <u>°</u>
8	7	Ea.	Furnish and Install Standard Fire Hydrant complete in place, the sum of TWO THOUSAND FIVE HWD PODOLLARS and Z-EYO Cents per Each	2,500.0 <u>0</u>	17,500.05
9	160	L.F.	Furnish and Install 2-Inch Copper Waterline, including All Fittings by Open Cut complete in place, the sum of Dollars and 7-6 y O Cents per Linear Foot	40.00	6,400.00
10	5,4	Ea.	For Cutting and Plugging Existing 8-Inch Waterline complete in place, the sum of Two Trousand Dollars and Zieco Cents per Each	2,000.00	10,000.00
11	4		For Connecting to Existing 8-Inch Waterline complete in place, the sum of Five Thousand Dollars and Texto Cents per Each	5,000. ⁹⁹	20,000.ºº

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
12	5,000	Lbs.	Furnishing and Installing Ductile Iron Fittings complete in place, the sum of Three Dollars and Zero Cents per Pound	3. <u>00</u>	15,000.00
13	36	L.F.	For Removing Existing 6-Inch Sanitary Sewer and Replacing with 6-Inch ASTM 2241 PVC with Embedment complete in place, the sum of One Hurdred Twenty Five Dollars and Zero Cents per Linear Foot	125.00	4,500.00
14	4	Ea.	For Connecting to Existing 6-Inch Sanitary Sewer complete in place, the sum of Five Hundred Dollars and Cents per Each	500.00	2,000.00
15	600	S.Y.	For Removing Existing 8-Inch Reinforced Concrete Pavement complete in place, the sum of	5.00	3,000.00
16	600	S.Y.	For Furnishing and Placing 10-Inch Reinforced Concrete Pavement complete in place, the sum of Lifty Five Dollars and Zevo Cents per Square Yard	55.°°	33,000.°°
17	325	S.Y.	For Removing and Replacing Existing 8-Inch Reinforced Concrete Driveway complete in place, the sum of OVALLE Dollars and Z-evo Cents per Square Yard	45.00	14,625.00

Item No.	Estimated Quantity	Unit	Description and Brigatin Words	Price in Figures	Extended Amount
140.	Quantity	Unit	Description and Price'in Words	riguies	Amount
18	50	Ton	For Removing and Replacing Existing Hot Mix Asphaltic Concrete complete in place, the sum of One Hundred Forty Five Dollars and Zero Cents per Ton	145.00	7,250.°°
19	300 275	S.Y.	For Removing and Replacing Existing 4-Inch Reinforce Concrete Walk complete in place, the sum of Thirty Five Dollars and Zero Cents per Square Yard	35.ºº	10.500.50
20	150	Ton	Furnishing and Placing 1-1/2-Inch Hot Mix Asphalt Overlay complete in place, the sum of DOR HUNDVED TWENTY FIVE Dollars and ZECO Cents per Ton	125. <u>60</u>	18,750.°°
21	150 352	L.F.	For Removing and Replacing Existing 6-Inch Monolithic Curb with Dowels complete in place, the sum of Dollars and TEVO Cents per Linear Foot	40.00	6,000.00
22	632		For Removing and Replacing Existing 6-Inch Curb and Gutter complete in place, the sum of TWING Dollars and Cents per Linear Foot	Z5. €°	15,800.°
23	3,262	L.F.	Full Depth Saw Cut complete in place, the sum of FIVE Dollars and Cents per Linear Foot	5. ⁹⁰	16,310.00

Item	Estimated			Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
24	0.25	Ac.	Furnish, Place Maintain and Establish Solid Sod complete in place, the sum of TWENTY FOUR MOUSANCE Dollars and Zero Cents per Acre	24,000.00	6,000.00
25	3	Ea.	For Removing Existing Trees and Replace with 3-Inch Bradford Pear Trees complete in place, the sum of Eight Hundred Dollars and Zero Cents per Each	800. <u>00</u>	2,400.ºº
26	5	Ea.	For Removing Existing Fire Hydrant complete in place, the sum of One Thousand Five Hundred Dollars and Zevo	1,500.°°	7,500.°°
27	1	L.S.	Barricades, Signs and Traffic Handling complete in place, the sum of Fifteen Thousand Dollars and 7.00 Cents per Lump Sum	15,000.00	15000.00
28	600	L.F.	Temporary Sediment Control Fencing complete in place, the sum of Three Dollars and Cents per Linear Foot	3.°°	1,800.0e
29	2,486	L.F.	Furnish and Install Trench Safety System complete in place, the sum of ONE Dollars and 7200 Cents per Linear Foot	1.00	2,486.°°

And the second of the second o

Item	Estimated		·	Price in	Extended
No.	Quantity	Unit	Description and Price in Words	Figures	Amount
30	1	L.S.	Furnish Trench Safety Plan complete in place, the sum of One Thousand Dollars	1 2000	
			and Zero Cents per Lump Sum	1,000.00	1,000.00
31	5	Ea.	Abandon Existing Valve on Main 8-Inch Line in Place, including Pavement Replacement the sum of		·
			Dollars and Zev 0 Cents per Each	250.00	1,250.°
32	5	Ea.	Abandon Existing Valve in Place on Fire Hydrant Leads, including Solid Sod Restoration the sum of One Hundred Fifti		
			Dollars and Zero Cents per Each	150.00	750.00
33	1	Ea.	Furnishing and Installing 2-Inch Air and Vacuum Valve Assembly, including 2-Inch Gate Valve		
			the sum of FIVE Thousand Dollars and 7-400 Cents per Each	5,000.00	5,000.°c

Did Not Bid Item # 34 - 100

BID SCHEDULE SUMMARY

Total Amount

Materials & Services

(A) TOTAL OF STANDARD BID (Items 1 Through 33): \$580, 426-00
Written in Words: FIVE HUNDRED EIGHTY THOUSAND FOUR HUNDRED TWENTY SIX
TOTAL OF TIME BID: 85 (calendar days)
(B) TOTAL OF CALENDAR DAYS x \$1,000.00 = $85,000$
BASIS FOR COMPARISON OF BIDS: (A) + (B) = TOTAL BID: $665,426.00$

- NOTES: 1. All items, labor, materials, equipment, facilities, incidentals, and work required for construction of the project are to be provided and installed by the Contractor as part of the project and payment for the cost of such shall be included in the price bid for the construction of the project.
 - 2. Prices must be shown in words and figures for each item listed in this Proposal. In the event of discrepancy, the words shall control.
 - 3. It is understood that the Bid Security shall be collected and retained by the Owner as liquidated damages in the event a contract is made by the Owner based on this proposal within ninety (90) calendar days after receiving bids and the undersigned fails to execute the contract and required bonds within ten (10) days from the date the Contractor is notified and has received the conformed documents. After this period, if the contract has been executed and the required bonds have been submitted, the said Bid Security shall be returned to the undersigned upon demand.
 - 4. One contract will be awarded based on the total value of Items (A) plus (B).

Bidder's Tax I.D. No. or Employer No.

75-2540303