

EASEMENT PARK DRAINAGE STUDY

Oxford[®]

NO. R753 1/3

... WHILE YOU WERE OUT

FOR Mr. [unclear] DATE 1/16 TIME 12:30 AM

NAME Mr. [unclear]

OF Physician, Beckman

PHONE FAX 69-247-9466

MOBILE 3849 [unclear]

MESSAGE Thought from Retinal

Property by [unclear]

PHONE	RETURNED YOUR CALL	PHONE	RETURNED YOUR CALL
MOBILE	PLEASE CALL	MOBILE	PLEASE CALL
FAX	WILL CALL AGAIN	FAX	WILL CALL AGAIN
MESSAGE	CAME TO SEE YOU	MESSAGE	CAME TO SEE YOU
	WANTS TO SEND YOU		WANTS TO SEND YOU

FORM CODE

FILED
 1/16

BILL Green
 972-484-3234

KEEP THE PERSON OR RESULTS OF STUDY

SHIMER, JACOBS & FINKLER
- JOHN BIRKHOFF / PAUL CARLINE
214-361-7900
- GUY BRADLEY

(22 CFS)

Telephone Notes:

Called D. Walden at
972-241-1857 ext
FEB. 08/2001 @ 2:30PM
FEB. 09/2001 @ 9:45am

JW.
2/09/01

JW. called 02/19/2001 @ 9:38AM
busy line

* Talked to Don Walden on
2/19/01 @ 11:25AM.
discussed final study of
Isotles - JW.

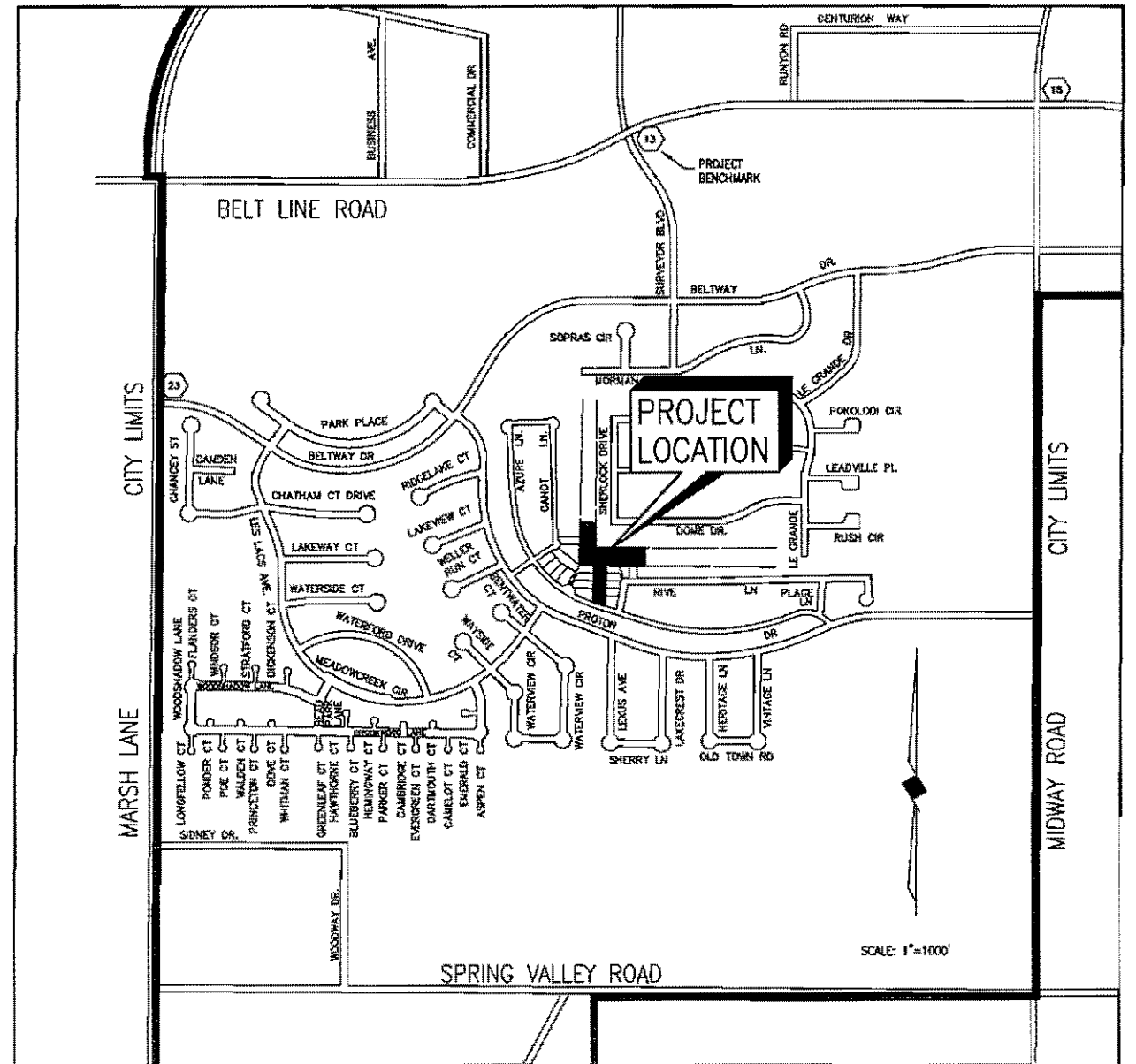
Addison!

CONSTRUCTION PLANS FOR EASEMENT PARK DRAINAGE IMPROVEMENTS

SHEET INDEX

SHEET NO.	SHEET DESCRIPTION
—	COVER SHEET
1	DRAINAGE AREA MAP
2	DRAINAGE CALCULATIONS
3	PROPOSED GRADING PLAN
4	STORM SEWER PLAN & PROFILE

*Reviewed
5/26
4/25/01*

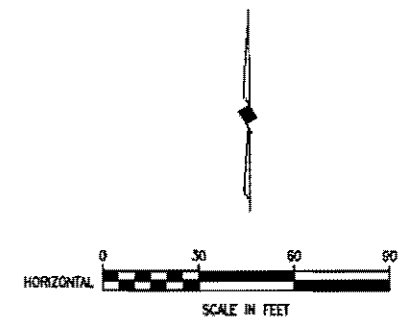
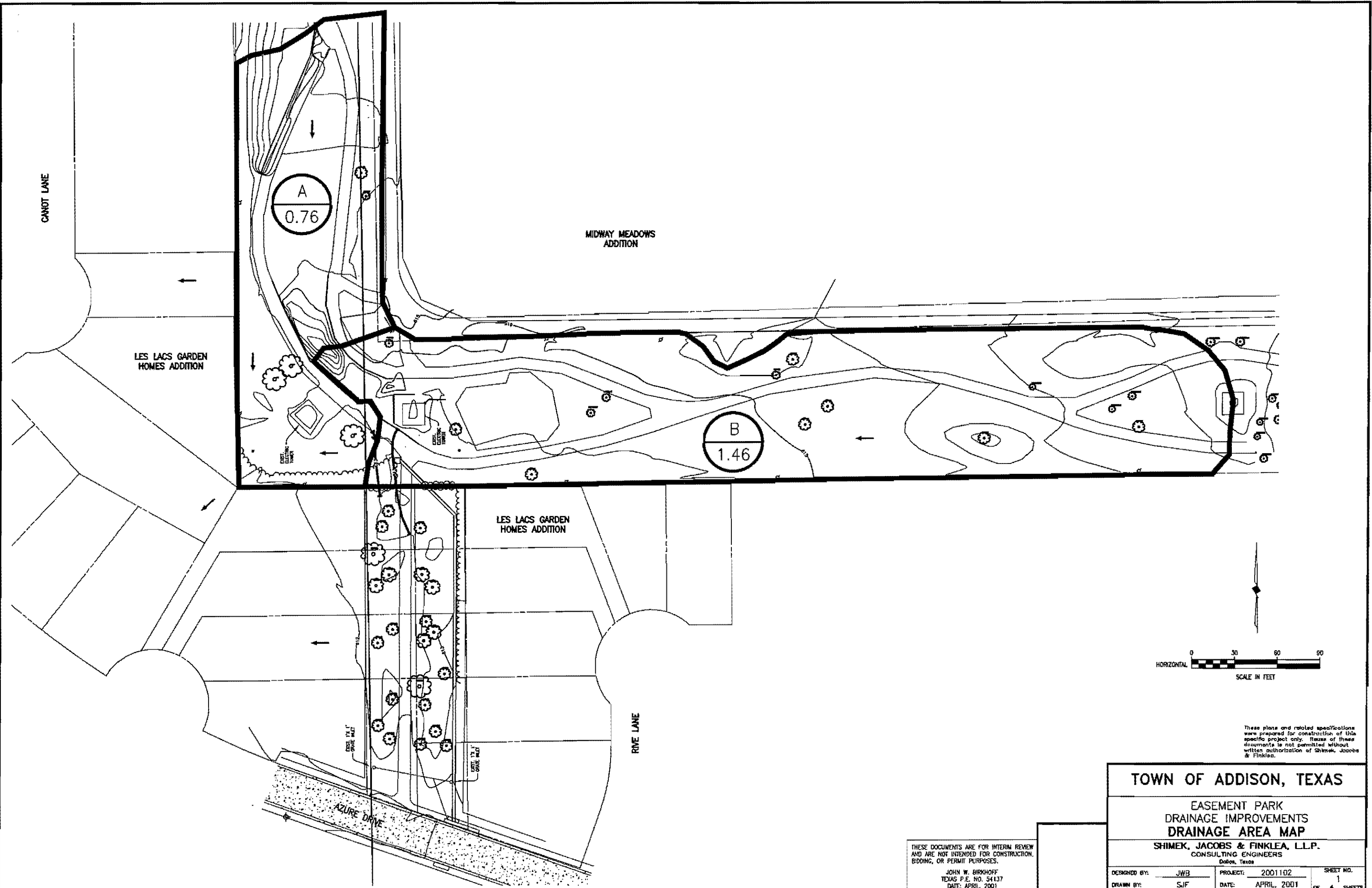


THESE DOCUMENTS ARE FOR INTERIM REVIEW
AND ARE NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES.
JOHN W. BIRKHOFF
TEXAS P.E. NO. 54137
DATE: APRIL, 2001

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

APRIL, 2001

4/17/01 DR9
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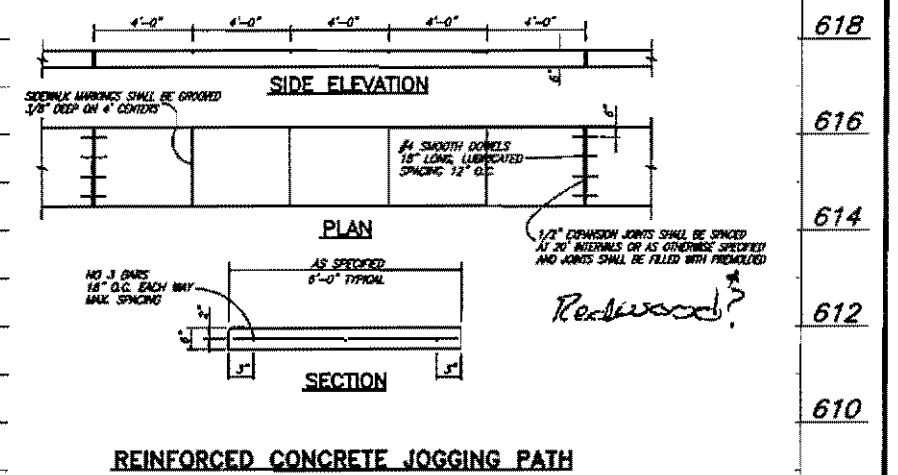
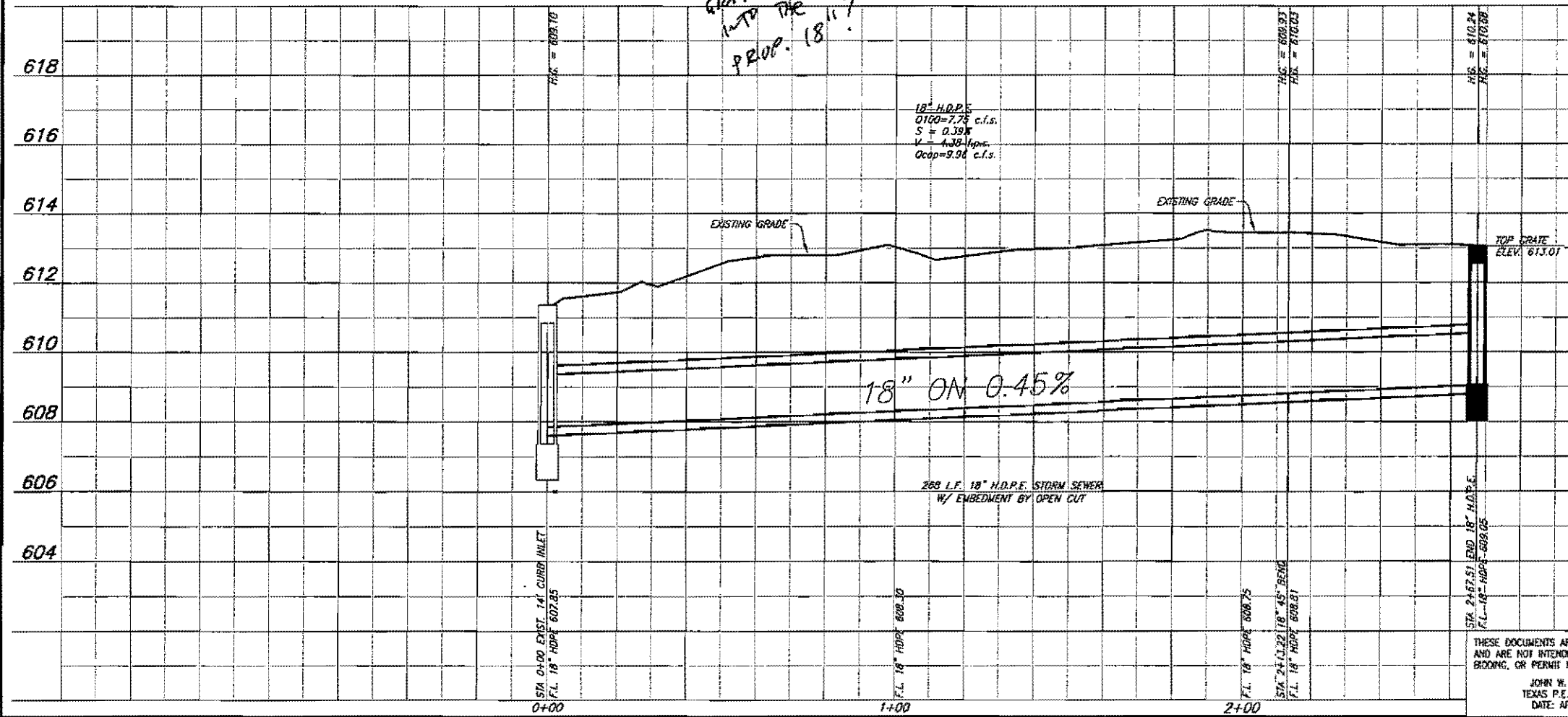
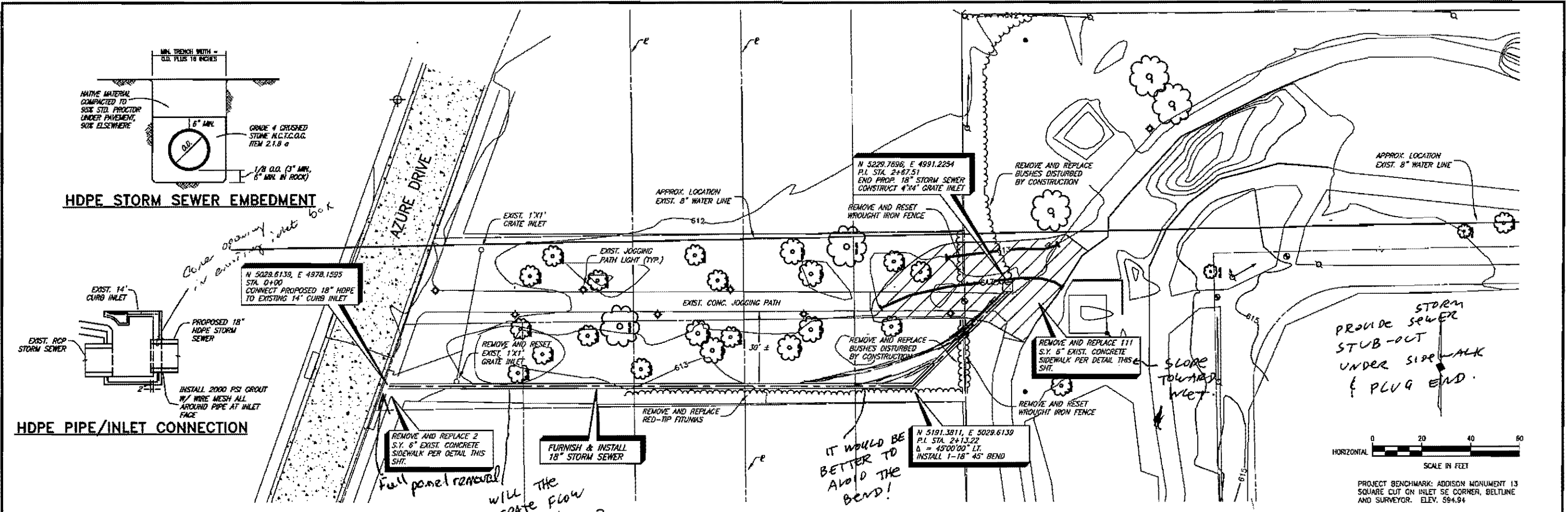


These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimex, Jacobs & Finkler.

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
JOHN W. BIRKHOFF
TEXAS P.E. NO. 54137
DATE: APRIL, 2001

TOWN OF ADDISON, TEXAS		
EASEMENT PARK DRAINAGE IMPROVEMENTS DRAINAGE AREA MAP		
SHIMEK, JACOBS & FINKLEA, L.L.P. CONSULTING ENGINEERS Dallas, Texas		
DESIGNED BY: JWB	PROJECT: 2001102	SHEET NO. 1
DRAWN BY: SJF	DATE: APRIL, 2001	OF 4 SHEETS

4/17/01 GRS H:\PROJECTS\ADDISON_2001102\SHEETS\2001102-04.DWG



TOWN OF ADDISON, TEXAS

EASEMENT PARK
DRAINAGE IMPROVEMENTS
STORM SEWER PLAN & PROFILE
SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: JWB PROJECT: 2001102 SHEET NO. 4
DRAWN BY: SJF DATE: APRIL, 2001 OF 4 SHEETS

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

JOHN W. BRIDGEMAN
TEXAS P.E. NO. 54137
DATE: APRIL, 2001

Date Submitted: 10/15/01
For Council Meeting: 10/23/01

Council Agenda Item

SUMMARY:

Authorization of final payment and acceptance of construction performed by Northstar Construction, Inc. for Easement Park Drainage Improvements

FINANCIAL IMPACT:

Budgeted Amount:	\$87,818.00
Construction Cost:	\$87,818.00
Budget Impact:	Funds for this project are available in FY 2000-01 Public Works Street Operating Budget

BACKGROUND:

Several residents on Azure Lane and Canot Lane experienced flooding of their properties as a result of storm water runoff from the adjacent land in Easement Park. A contract was awarded to Northstar Construction, Inc. for construction of a storm drainage system, site grading and sloping, to eliminate flooding at this location. The original contract price was \$67,968.00. During construction of this project, the scope of work was increased to include additional sloping of the park property at the project site, and at the request of the Parks Department, construction of additional drainage improvements at another location within Easement Park. This additional work extended the total value of the construction project to \$87,818.00.

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

RECOMMENDATION:

Staff recommends that Council authorize final payment to Northstar Construction, Inc., in the amount of \$8,781.80, and accept construction of the Easement Park Drainage Improvements.

Application For Payment

Client: Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor: Northstar Construction, Inc.
308 Birchwood Lane
Fort Worth, Texas 76108

Project: Essexment Park Drainage Improvements

Contract Awarded: July 11, 2001

Period: July 15, 2001 to September 14, 2001

Contract Amount: \$87,818.00

Calendar Days:

Est. No.: 4 & Final

Allocated: 81

Used: 81

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1x1' Gr. Inlet	1	Ea.	\$ 500.00	1	0	1	\$ -	\$ 500.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	16" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14" Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	1	0	1	\$ -	\$ 2,500.00
14	16" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
16	Materials Testing	1	LS	\$ 1,500.00	1.00	0	1.00	\$ -	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.00	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	0	1	\$ -	\$ 11,850.00
TOTALS								\$ -	\$ 87,818.00

Certified By:

Michael A. Heimlich 9/17/01
Northstar Construction, Inc. Date

Town Of Addison

Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,968.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,818.00
LESS RETAINAGE - 0%	\$ -
NET AMOUNT EARNED ON CONTRACT	\$ 87,818.00
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 79,036.20
AMOUNT DUE THIS ESTIMATE	\$ 8,781.80

O.K. to
PAY
520
10/23/01

IN: VAL



October 15, 2001

Mr. Ken Bandy
3903 Rive Lane
Addison, TX 75001

RE: Fund Member : Town of Addison
Claimant : Ken Bandy
Date of Loss : 09-26-01
TML-IRP Claim # : 0200080493

Dear Mr. Bandy:

This letter is in regard to the claim that you have made against the Town of Addison for the above-referenced matter.

Based on the facts revealed in our investigation of this claim, it appears that the Town of Addison has no legal liability in this matter. The City is legally immune from liability for the property damage claim being brought against it as afforded the City by common law of Texas. Although the *Texas Tort Claims Act* waives this immunity under certain circumstances, the facts of your case and the damages which you seek do not fall under any of the waivers set forth in this *Act*. For this reason, we must respectfully deny this claim in its entirety.

Should you have any questions concerning this matter, please do not hesitate to contact me.

Sincerely,

Tammy Lesak
Claims Specialist
TML Intergovernmental Risk Pool

TL/gl

cc: Val Benavides
Town of Addison
P.O. Box 9010
Addison, TX 75001-9010

TEXAS MUNICIPAL LEAGUE INTERGOVERNMENTAL RISK POOL

CLAIM NOTICE

CLAIM NO. _____
FILED THIS CLAIM, THE _____ DAY OF _____, 20____ in either the
Offices of the City Manager or the Office of the City Secretary.

Received by _____
(Above Spaces for Office Use Only)

City Manager or
City Secretary
Town of Addison
PO Box 9010
Addison, Texas 75001-9010

Dear Sir:

This is my notice of claim against the Town of Addison. The circumstances giving rise to this claim are as follows:

1. The injury of damage occurred on the 26th day of September 2001 at approximately 2:00 o'clock A.M. at the specific location of:

2. The damage or injury occurred in the following manner:

We had our downstairs window open during the night. The sprinkler from the green belt sprayed water ~~at~~ ~~on~~ on to our hardwood floors in our kitchen. The window sill, kitchen table and one chair were also covered with water.

3. The full extent of my damages and/or injuries are as follows:

(Be specific. Attach estimates, bills, etc., if available)

<u>Damage To:</u>	<u>Amount of Damages</u>
<u>Hardwood floors</u>	\$ _____
<u>damaged</u>	\$ _____
_____	\$ _____
_____	\$ _____

4. The total amount of damages claimed is:

\$ 2,811.26

5. The following person(s) witnessed the accident:

Name: Ken Bandy
Address: 3903 Rive Lane
Addison TX 75001
Home Phone: 972 980 2599
Work Phone: 972 851-1873

Name: _____
Address: _____
Home Phone: _____
Work Phone: _____

6. If bodily injury was sustained, please state the name of the Doctor(s), if any, to whose care the injured person is (was) committed.

Doctors Name: NA
Address: _____
Phone: _____

Doctors Name: _____
Address: _____
Phone: _____

THE ABOVE STATEMENTS ARE TRUE AND CORRECT

Kathy Bandy
NAME (Please Print)

3903 Rive Lane
Addison, TX 75001
ADDRESS

Kathryn Bandy
SIGNATURE

972 980 2599
HOME TELEPHONE NUMBER
None
WORK TELEPHONE NUMBER

STATE OF TEXAS §
COUNTY OF Dallas §

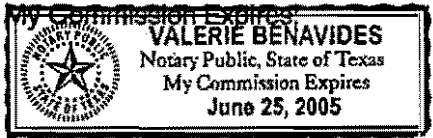
BEFORE ME, the undersigned Notary Public, on this day personally appeared Kathy Bandy, who being by me duly sworn, on his oath deposed and said that he/she is the claimant in the foregoing claim; that he/she has read the above and foregoing claim; and that the acts contained therein are within his personal knowledge and are true and correct.

Kathy Bandy
CLAIMANT

SUBSCRIBED AND SWORN TO before me on the 10th day of October 2001, to certify which witness my hand and official seal.

Valerie Benavides
Notary Public In and For the State of Texas

Valerie Benavides
Printed name



*Chapter 2, Sections 2-23 through 2-27 of the Code of Ordinances of the Town of Addison, Texas states that the Town of Addison shall never be liable for any claim for personal injury, damage or injury to personal property or real property casued by the negligent act or omission of its officers, servants, agents or employees, UNLESS, within ninety (90) days or within six (6) months for good cause shown from the date the damage or injury was received, notice is given in writing to the City Manager or City Secretary.

FURTHER, the Town of Addison shall never be liable on account of any damage or injury to person or to personal property arising from or occasioned by any defect in any public street, highway, alley, grounds or public work for the Town of Addison unless the specific defect causing the damage or injury shall have been actually known to the City Manager at least twenty-four (24) hours prior to the occurrence of the injury or damage and proper deligence has not been exercised to rectify the defect. The notice herein required to be given to the City Manager or the City Secretary of the specific defect causing the damage or injury shall apply where the defect arose from any omission of the City itself, through its agents, servants or employees, or acts of third party.

I N V O I C E

Page 1

CARPET EXCHANGE OF N TX, INC.
 4901 ALPHA ROAD
 DALLAS, TX 75244
 972-385-3545

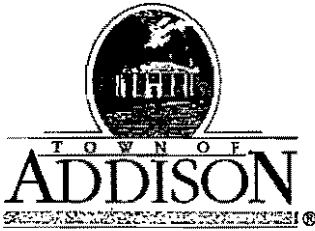
Bill To
 RANDY CATHY
 3903 RIVE
 14-E
 ADDISON, TX
 972-388 2599

Ship To
 RANDY CATHY
 3903 RIVE
 14-E
 ADDISON, TX

Invoice Date	Invoice Number	Order Date	Customer PO Number
09/10/01	127864	09/26/00	214-673-6960

DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
INDOOR PLANK 3/4"	385.00	SF	4.99	1,921.55
INSTALL PLANK	385.00	SF	2.25	866.25
FACE IN WOOD	1.00	EA	35.00	35.00
1/4 BLUE DOWN FLOOR	285.00	SF	1.50	427.50
DOVE TRIC	1.00	EA	15.00	15.00
1/4 PAINTED ROUND	4.00	LF	0.00	0.00
ROLL AND BRUSE 1/4 R	1.00	EA	0.00	0.00

Sales Rep(s)	Material	-	1,321.95
CLIFFORD E. CUMBLE	Service	-	1,163.75
	Misc	-	0.00
	Sales Tax	-	125.56
Est Del Date - / /	TOTAL	-	2,811.26
Date Delivered - / /	PAYMENTS	-	0.00
	BALANCE	-	2,811.26



FINANCE DEPARTMENT/ADMINISTRATION

5350 Belt Line Road (972) 450-7051

E-mail Ybenavides@ci.addison.tx.us

Facsimile (972) 450-7096

P.O. Box 9010

Addison, Texas 75001

VAL BENAVIDES
ADMINISTRATIVE SECRETARY

October 1, 2001

Ms. Kathy Bandy
3903 Rive Lane
Addison, TX 75001

Dear Ms. Bandy:

Per your request, attached are claim forms so that you may initiate a claim with the Town of Addison in regard to an incident possibly indicating Town liability. Please include estimates of damages/injuries and/or invoices and have the signatures notarized upon completion of the claim form and return to my attention. Upon receipt, the claim form and all other required correspondence will be forwarded to our insurer as well as the Town's attorney. No further action will be taken on the Town of Addison's part until we receive your completed claim forms (originals) and estimates/invoices. We do provide free notary services on an appointment basis. We are located at:

Town of Addison
Finance Department
5350 Belt Line Rd.
Addison, TX 75240

Should you need additional assistance with the claim process, please feel free to contact me at (972) 450-7051.

Sincerely,

Val Benavides
Administrative Secretary, Finance

Attachments

Valerie Benavides

From: Ron Lee
Sent: September 28, 2001 7:42 AM
To: Valerie Benavides
Subject: Resident Claim

The resident that I spoke with you about yesterday is:

Kathy Bandy
3903 Rive Lane
972-980-2599

Add. 75001

*Ron Lee
Town of Addison
Parks Operations Manager*

Send her claim str & form

Luke -
See me about
this.

Refer

★ NORTHSTAR CONSTRUCTION, INC. ★

- General Contractor -
Office 817/367-3110
Fax 817/367-0510

August 9, 2001

Mr. Luke Jalbert
Town Of Addison

Fax # 972-450-2837

RE: Change Order Proposal for Easement Park Drainage Improvements

Northstar proposes to furnish all labor, equipment, and materials to complete the work in accordance with instructions given at site visit on Tuesday, August 7, 2001 and as described below:

Total For 1.) Removing Bushes, Metal Edging, and Soil; 2.) Regrading to Create Drainage Swale; 3.) Installing Solid Bermuda Block Sodding In Disturbed Areas.

\$11,865.00

Qualifications:

Quote does not AGC fees, testing lab fees, permit fees, inspection fees, select fill, replacement of bushes ground cover, or metal edging, and sales tax on materials incorporated into the job.

Quote does include removal and haul-off, repair of irrigation damaged by Northstar, bonding. Price is based on commencing work at completion of original contract work, tentatively scheduled for 8/20/01. days.

We appreciate the opportunity to bid this extra work.

Sincerely,

Michael A. Heimlich
Vice President

Chief
8/12/01

☆ NORTHSTAR CONSTRUCTION, INC. ☆

- General Contractor -

Office 817/367-3110

Fax 817/367-0510

August 9, 2001

Mr. Luke Jalbert
Town Of Addison

Fax # 972-450-2837

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We appreciate the opportunity to bid this extra work.

Sincerely,

Michael A. Heimlich
Vice President

LUKE,

CHRIS APPROVED ↓

SO LET'S PROCEED
LET ME KNOW WHEN
RON LEE CAN MEET
MICHAEL HEIMLICH TO
COORDINATE THINGS

THANKS
SURE

[Handwritten signature]
8/12/01



- General Contractor -
Office 817/367-3110
Fax 817/367-0510

July 25, 2001

Mr. Luke Jalbert
Project Manager
Public Works Department
Town Of Addison
16801 Westgrove
Addison, Texas 75001

RE: Easement Park Drainage Improvements

Dear Mr. Jalbert:

Yesterday morning, July 24, 2001, we began excavation for the storm drain line at station 0+00. We encountered fractured rock at a depth of approximately 6", and solid rock at a depth of approximately 24". The trench is now excavated up to approximately station 0+50 and the rock situation has not improved. This situation is significantly impacting the time and cost for installing the storm sewer.

The plans and specifications did not include any geotechnical information, boring logs or other information that indicate the presence of hard rock within the project limits. Our bid prices were based on excavating through common soil. For this reason, we believe that we are entitled to additional compensation and contract time for this change of conditions.

The extra costs for excavating and backfilling the trench include extra haul-off, imported backfill material, additional excavating equipment, and overall lower production rates for installing the storm drain. A detailed breakdown of the extra costs will be submitted by Thursday afternoon.

We realize that in the case of extra work, the contractor should normally not proceed with such work until authorized by the Owner. However, we are continuing trench excavation in order to expedite the project and minimize the total costs for completing the work. Please let us know at your earliest convenience of the Town of Addison position on this issue or if you have any questions. Thank you for your consideration in this matter.

Sincerely,

Michael A. Heimlich
Vice President

Mah/2001-05.01

LETTER OF TRANSMITTAL

To : Town Of Addison
Department Of Public Works
16801 Westgrove
Addison, Texas 75001

Date : September 17, 2001
 Attn : Mr. Luke Jalbert
Project Manager
 Re : Easement Park Drainage Impr.

WE ARE SENDING YOU : Attached

Under Separate Cover via the
 Following _____

Submittals
 Samples

Prints
 Specifications

Shop Drawings
 Other

COPIES	DATE	DESCRIPTION
2	9/17/01	Application For Payment #3
2	9/17/01	Application For Payment #4 - Retainage

THESE ARE TRANSMITTED (as checked below) :

For Approval Approved As Submitted Resubmit ___ Copies For Approval
 For Your Use Approved As Noted Submit ___ Copies For Distribution
 As Requested Returned For Corrections Return ___ Corrected Prints
 For Review & Comment _____

COMMENTS : _____

COPY TO : _____

BY : Michael A. Heimlich
Michael A. Heimlich
Project Manager

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : September 1, 2001 to September 14, 2001

Contract Amount : \$87,818.00

Est. No. : 3

Calendar Days :

Allotted	61
Used	61

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0.5	0.5	1	\$ 250.00	\$ 500.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	1	0	1	\$ -	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
15	Materials Testing	1	LS	\$ 1,500.00	1.00	0	1.000	\$ -	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.000	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	0.25	0.75	1	\$ 8,887.50	\$ 11,850.00
TOTALS								\$ 9,137.50	\$ 87,818.00

Certified By :

Michael A. Heindl 9/17/01
Northstar Construction, Inc. Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,968.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,818.00
LESS RETAINAGE - 10%	\$ 8,781.80
NET AMOUNT EARNED ON CONTRACT	\$ 79,036.20
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 70,812.45
AMOUNT DUE THIS ESTIMATE	\$ 8,223.75

Town Of Addison

Date

Application For Payment

Client : Town Of Addison
 16801 Westgrove
 Addison, Texas 75001

Contractor : Northstar Construction, Inc.
 309 Birchwood Lane
 Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : July 16, 2001 to September 14, 2001

Contract Amount : \$87,818.00

Calendar Days :
 Allotted 61
 Used 61

Est. No. : 4 & Final

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	1	0	1	\$ -	\$ 500.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	1	0	1	\$ -	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
15	Materials Testing	1	LS	\$ 1,500.00	1.00	0	1.000	\$ -	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.000	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	0	1	\$ -	\$ 11,850.00
TOTALS								\$ -	\$ 87,818.00

Certified By :

Michael A. Heimlich 9/17/01
 Northstar Construction, Inc. /Date

 Town Of Addison Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,968.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,818.00
LESS RETAINAGE - 0%	\$ -
NET AMOUNT EARNED ON CONTRACT	\$ 87,818.00
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 79,036.20
AMOUNT DUE THIS ESTIMATE	\$ 8,781.80

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : July 16, 2001 to September 14, 2001

Contract Amount : \$87,818.00

Est. No. : 4 & Final

Calendar Days :
Allotted 61
Used 61

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	1	0	1	\$ -	\$ 500.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	1	0	1	\$ -	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
15	Materials Testing	1	LS	\$ 1,500.00	1.00	0	1.000	\$ -	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.000	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	0	1	\$ -	\$ 11,850.00
TOTALS								\$ -	\$ 87,818.00

Certified By :

Michael A. Heimlich 9/17/01
Northstar Construction, Inc. /Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,968.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,818.00
LESS RETAINAGE - 0%	\$ -
NET AMOUNT EARNED ON CONTRACT	\$ 87,818.00
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 79,036.20
AMOUNT DUE THIS ESTIMATE	\$ 8,781.80

Town Of Addison Date

CONSENT AGENDA

- #2a - Approval of the Minutes for the October 9, 2001 Council Meeting.
-
- #2b - Approval of an expenditure in an amount not to exceed \$15,000.00 by the Visitor Services Department for familiarization tours.
-
- #2c - Consideration of a Resolution authorizing the City Manager to enter into a contract in the amount of \$5,751.00 with Dallas County Health Department for annual health services.
-
- #2d - Consideration of a Resolution authorizing the City Manager to enter into a contract in an amount not to exceed \$3,000.00 with Trinity River Authority (TRA) for wastewater testing services.
-
- Passed* #2e - Acceptance of construction and authorization of final payment in the amount of \$8,781.80 to Northstar Construction, Inc. for Easement Park Drainage Improvements.
-
- #2f - Approval and award of a contract in the amount of \$22,043.16 to Metrocrest Medical Services for Medical Control and continuing education of Emergency Medical Services (EMS) personnel.
-
- Passed* #2g - Consideration of a Resolution authorizing the City Manager to enter into an agreement in the amount of \$39,000.00 with Evaluation Associates for preparation of appraisals related to the construction of Arapaho Road, Phase III, from Surveyor Blvd. to Addison Road.
-
- #2h - Approval of media advertising expenses in the amount of \$113,000.00 for FY2002 Special Events.
-
- #2i - Approval of entertainment advertising expenses in the amount of \$230,000.00 for FY2002 Special Events.
-

Council Agenda Item:

SUMMARY:

Award of Contract to Northstar Construction, Inc. for the construction of the Easement Park Drainage Improvements

FINANCIAL IMPACT:

Budgeted Amount: Not Budgeted
Cost: \$ 67,968.00
Budget Impact: Funds are available for this project in the current Public Works Street Operating Budget.

BACKGROUND:

Several residents on Azure Ln. and Canot Ln. recently contacted Public Works Department staff regarding storm water runoff from the Easement Park that floods their respective properties. A study and subsequent engineering design was performed to eliminate the affects of drainage flow from the park site and onto the residential lots. The projects consists of constructing a storm drainage system with several inlets, and associated grading and sloping of the surrounding park area.

Plans and specifications for the project were picked up by five contractors. However, only two bids were submitted. Attached is a bid tabulation for the proposed improvements. Northstar Construction, Inc. submitted the lowest responsive bid, in the amount of \$67,968.00. The engineering estimate for this project was \$65,000. Construction of these improvements is scheduled for completion within forty-five (45) calendar days. The contractor has successfully completed construction of related improvements in other municipalities in the area.

RECOMMENDATION:

Staff recommends that Council authorize the City Manager to enter into a contract with Northstar Construction, Inc., for the Easement Park Drainage Improvements project, in the amount of \$ 67,968.00.

Application For Payment

Client: **Town Of Addison**
 16801 Westgrove
 Addison, Texas 75001

Contractor: **Northstar Construction, Inc.**
 309 Birchwood Lane
 Fort Worth, Texas 76108

Project: Essement Park Drainage Improvements

Contract Awarded: July 11, 2001

Period: July 16, 2001 to September 14, 2001

Contract Amount: 887,818.00

Est. No.: 4 & Final

Calendar Days:

Allocated: 61
 Used: 61

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1x1' Gr. Inlet	1	Ea.	\$ 500.00	1	0	1	\$ -	\$ 500.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14" Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	1	0	1	\$ -	\$ 2,500.00
14	16" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
16	Materials Testing	1	LS	\$ 1,500.00	1.00	0	1.000	\$ -	\$ 1,500.00
18	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.000	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	0	1	\$ -	\$ 11,850.00
TOTALS								\$ -	\$ 87,818.00

Certified By:

Michael A. Heimlich 9/17/01
 Northstar Construction, Inc. Date

 Town Of Addison Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,969.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,819.00
LESS RETAINAGE - 0%	\$ -
NET AMOUNT EARNED ON CONTRACT	\$ 87,819.00
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 79,938.20
AMOUNT DUE THIS ESTIMATE	\$ 7,880.80

SECTION BP

CONTRACTOR'S AFFIDAVIT OF BILLS PAID

STATE OF TEXAS

COUNTY OF DALLAS

Personally, before me the undersigned authority, on this day appeared Michael A. Heimuch who, being
duly sworn, on oath, says that he is a legal representative of Northstar Construction
(full name of Contractor as in contract)

and that the contract for the construction of the project, designated as
Easement Park Drainage Improvements - Phase I (Bid Number 01-30)
(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.

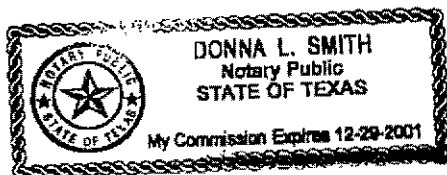
Michael A. Heimuch

Signature: Michael A. Heimuch

VICE PRESIDENT

Title

Sworn to and subscribed before me this 27th day of September, 2001.



Donna L. Smith

Notary Public in and for

Sarrant

County, Texas

**CONSENT OF SURETY
TO FINAL PAYMENT**

AIA Document G707

(Instructions on reverse side)

OWNER
ARCHITECT
CONTRACTOR
SURETY
OTHER

TO OWNER:
(Name and address)

ARCHITECT'S PROJECT NO.:

**TOWN OF ADDISON
P.O. BOX 9010
5350 BELTLINE RD
ADDISON, TEXAS 75001-9010**

CONTRACT FOR:

PROJECT:
(Name and address)

CONTRACT DATED:

**EASEMENT PARK DRAINAGE IMPROVEMENTS
ADDISON, TX**

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

**CUMBERLAND CASUALTY & SURETY CO.
4311 W. WATERS, STE 401
TAMPA, FL 33614**

, SURETY,

on bond of
(Insert name and address of Contractor)

**NORTHSTAR CONSTRUCTION, INC.
309 BIRCHWOOD
FT. WORTH, TEXAS 76108**

, CONTRACTOR,

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

(Insert name and address of Owner)

**TOWN OF ADDISON
P.O. BOX 9010
5350 BELTLINE RD
ADDISON, TEXAS 75001-9010**

, OWNER,

as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date: **27TH DAY OF SEPTEMBER, 2001**

(Insert in writing the month followed by the numeric date and year.)

CUMBERLAND CASUALTY & SURETY COMPANY

(Surety)

(Signature of authorized representative)

STEVEN W. LEWIS, ATTORNEY-IN-FACT

(Printed name and title)

Attest:
(Seal):

Rosslyn Davis



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.



CUMBERLAND CASUALTY & SURETY COMPANY
TAMPA, FLORIDA

POWER OF ATTORNEY

PRINCIPAL: NORTHSTAR CONSTRUCTION, INC.

EFFECTIVE DATE:

309 Birchwood

Fort Worth, Texas

76108

(STREET ADDRESS)

(CITY)

(STATE)

(ZIP CODE)

CONTRACT AMOUNT: \$87,818.00

AMOUNT OF BOND: \$ 67,968.00

POWER NO. CC - 29205

KNOW ALL MEN BY THESE PRESENTS: That Cumberland Casualty & Surety Company, a corporation duly organized under the laws of the State of Florida, having its principal office in the City of Tampa, Florida, pursuant to the following resolution, adopted by the Board of Directors of the said Company on the 15th day of April, 1999, to wit:

*Resolved, that the President of the Company shall have authority to make, execute and deliver a Power of Attorney constituting as attorney(s)-in-fact, such persons, firms, or corporations as may be selected from time to time.

Be it Further Resolved, that the signature of the President, Secretary 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 or consents for the release of retained percentages and/or final estimates on engineering and construction contracts or similar authority or undertaking to which it is attached.

Cumberland Casualty & Surety Company does hereby make, constitute and appoint STEVEN W. LEWIS

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, and its act and deed, as follows:

The obligation of the Company shall not exceed (\$2,000,000.00) dollars.

And to bind Cumberland Casualty & Surety Company thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officer of Cumberland Casualty & Surety Company, and all the acts of said attorney(s)-in-fact pursuant to the authority herein given, and hereby ratified and confirmed.

IN WITNESS WHEREOF, Cumberland Casualty & Surety Company has caused these presents to be signed by an officer of the Company and its Corporate Seal to be hereto affixed.



CUMBERLAND CASUALTY & SURETY COMPANY

Edward J. Edenfield IV
Edward J. Edenfield IV, President

STATE OF FLORIDA)
) SS
COUNTY OF HILLSBOROUGH)

On this 15th day of April, A.D. 1999, before me personally came Edward J. Edenfield IV, to me known, who being by me duly sworn did depose and say; that he resides in the County of Hillsborough, State of Florida; that he is President of Cumberland Casualty & Surety 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.



Notary Public
Beverly Ann Jerry
Commission # CC 758867
Expires August 22, 2002
BONDED THRU
ATLANTIC BONDING CO., INC.

Beverly Ann Jerry
Beverly Ann Jerry
My commission expires

STATE OF FLORIDA)
) SS
COUNTY OF HILLSBOROUGH)

I, the undersigned, Secretary of Cumberland Casualty & Surety Company, a Florida Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force.

Signed and Sealed at the City of Tampa.

Dated the 27TH day of SEPTEMBER, 2001



Carol S. Black
Carol S. Black, Secretary

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 10/24/01 Claim # _____ Check \$ 8,781.80

Vendor No. _____
 Vendor Name NORTHSTAR CONSTRUCTION, INC.
 Address 309 BIRCHWOOD LANE
 Address FORT WORTH, TEXAS 76108
 Address _____
 Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
4th. & FINAL ESTIMATE	01	411	58210			8,781.80

TOTAL 8,781.80

EXPLANATION FINAL PAYMENT TO NORTHSTAR CONSTRUCTION, INC. FOR EASEMENT PARK DRAINAGE IMPROVEMENT, AS PER COUNCIL AUTHORIZATION ON 10/23/01

Steve Chutehain
 Authorized Signature

 Finance

FROM : Northstar Construction Inc.

FAX NO. : 8173670510

Oct. 15 2001 01:05PM P3

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : July 16, 2001 to September 14, 2001

Contract Amount : \$87,818.00

Est. No. : 4 & Final

Calendar Days :
Allocated 61
Used 61

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1x1' Gr. Inlet	1	EA	\$ 600.00	1	0	1	\$ -	\$ 600.00
6	Remove/Replace Exst. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	EA	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14" Inlet	1	EA	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 600.00	1	0	1	\$ -	\$ 600.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	EA	\$ 2,600.00	1	0	1	\$ -	\$ 2,600.00
14	18" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
16	Materials Testing	1	LS	\$ 1,600.00	1.00	0	1.000	\$ -	\$ 1,600.00
18	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.000	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	0	1	\$ -	\$ 11,850.00
TOTALS								\$ -	\$ 87,818.00

Certified By :

Michael A. Heimlich 9/17/01
Northstar Construction, Inc. Date

Steve Chuteaux 10/24/01
Town Of Addison Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,868.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,818.00
LESS RETAINAGE - 0%	\$ -
NET AMOUNT EARNED ON CONTRACT	\$ 87,818.00
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 79,036.20
AMOUNT DUE THIS ESTIMATE	\$ 8,781.80

*9. K. to
PAY,
522
10/24/01*

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 9/28/01 Claim # _____ Check \$ 8,223.75

Vendor No. _____
 Vendor Name NORTHSTAR CONSTRUCTION, INC.
 Address 309 BIRCHWOOD LANE
 Address FORT WORTH, TEXAS 76108
 Address _____
 Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
<u>ESTIMATE #3</u>	<u>01</u>	<u>411</u>	<u>58210</u>			<u>8,223.75</u>

TOTAL 8,223.75

EXPLANATION EASEMENT PARK DRAINAGE
ESTIMATE #3

Steve Chittman
 Authorized Signature

 Finance

Application For Payment

Client : Town Of Addison
 16801 Westgrove
 Addison, Texas 75001

Contractor : Northstar Construction, Inc.
 309 Birchwood Lane
 Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001
 Contract Amount : \$87,818.00

Period : September 1, 2001 to September 14, 2001

Calendar Days :
 Allotted 61
 Used 61

Est. No. : 3

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	1	0	1	\$ -	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	120	0	120	\$ -	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	12	0	12	\$ -	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	120	0	120	\$ -	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0.5	0.5	1	\$ 250.00	\$ 500.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	1	0	1	\$ -	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	1	0	1	\$ -	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	289	0	289	\$ -	\$ 17,340.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	368	0	368	\$ -	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	1	0	1	\$ -	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	79	0	79	\$ -	\$ 4,740.00
15	Materials Testling	1	LS	\$ 1,500.00	1.00	0	1.000	\$ -	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	1.00	0	1.000	\$ -	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	40	0	40	\$ -	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	0.25	0.75	1	\$ 8,887.50	\$ 11,850.00
TOTALS								\$ 9,137.50	\$ 87,818.00

Certified By :

Michael A. Heimlich 9/17/01
 Northstar Construction, Inc. Date

Doris E. White 9/27/01
 Town Of Addison Date
Ken Chubbans

PERFORMED ON ORIGINAL CONTRACT	\$ 67,968.00
EXTRA WORK PERFORMED	\$ 19,850.00
TOTAL VALUE OF WORK TO DATE	\$ 87,818.00
LESS RETAINAGE - 10%	\$ 8,781.80
NET AMOUNT EARNED ON CONTRACT	\$ 79,036.20
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 70,812.45
AMOUNT DUE THIS ESTIMATE	\$ 8,223.75

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 9/12/01

Claim # _____

Check \$ 1,633.43

Vendor No: _____
 Vendor Name BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 Address 7502 GREENVILLE AVE., # 220
 Address DALLAS, TEXAS 75231
 Address _____
 Zip Code _____

12,833.03
 TRAC - 9/12/01

VOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
2001102A	01	411	56570			724.30
2000190A	41	000	56570	62301		909.13

TOTAL 11,633.43

EXPLANATION ENGINEERING RELATED TO DRIVEWAY
IMPROVEMENTS ON MIDWAY RD., EASEMENT
PARK DRAINAGE, & ARTS & EVENTS

[Signature]
 Authorized Signature

Finance

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

7502 Greenville Avenue, #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

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

Date: August 31, 2001

Statement No. 2001102A (571)

Services through July 31, 2001, in
connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer	3.0 Hrs.	\$ 446.06
AutoCAD Tech I	3.0 Hrs.	<u>258.82</u>
		\$ 704.88

Expense: Delivery	\$ 14.38	
Automobile	<u>5.04</u>	
		<u>19.42</u>
		<u><u>\$ 724.30</u></u>

*OK to
PAY
SZC
9/12/01*

Previous Billings	\$12,535.64
Current Billings	<u>724.30</u>
Total	\$13,259.94

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 8/8/01

Claim # _____

Check \$ 330.16

Vendor No: _____
 Vendor Name: BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 Address: 7502 GREENVILLE AVE. #220
 Address: DALLAS, TEXAS 75231
 Address: _____
 Zip Code: _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
200/102A	01	411	56570			330.16

TOTAL 330.16

EXPLANATION: ELEMENT PARK DRAINAGE IMPROVEMENTS

Steve Chubb
 Authorized Signature

Finance

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

7502 Greenville Avenue, #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

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

Date: July 31, 2001

Statement No. 2001102A (493)

Services through June 30, 2001, in
connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer In Training	2.5 Hrs.	\$ 146.10
Word Processor	2.5 Hrs.	<u>157.59</u>

\$ 303.69

Expense: Automobile

26.47

\$ 330.16

*o.k. to
PAY
SZC
8/8/01*

Previous Billings	\$12,205.48
Current Billings	<u>330.16</u>
Total	\$12,535.64

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 7/2/01 Claim # _____ Check \$ 2,474.92

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

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
200102 A (425)	01	411	56570			2,474.92

TOTAL 2,474.92

EXPLANATION DRAINAGE IMPROVEMENTS ON EASEMENT
PARK

Steve Chittman
 Authorized Signature

Finance

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

7502 Greenville Avenue, #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

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

Date: June 28, 2001

Statement No. 2001102A (425)

Services through May 31, 2001, in
connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer	2.5 Hrs.	\$ 371.73
Engineer In Training	29.0 Hrs.	1,694.76
Word Processor	1.5 Hrs.	<u>100.76</u>

\$ 2,167.25

Expense: Delivery	\$ 16.68
Automobile	16.86
Printing	<u>274.13</u>

307.67

\$ 2,474.92

*O.K. to
PAY
S2C
7/26/01*

Previous Billings	\$ 9,730.56
Current Billings	<u>2,474.92</u>
Total	\$12,205.48

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 6/8/01 Claim # _____ Check \$ 297.39

+2,734.17
\$3,031.56

Vendor No. _____
Vendor Name BIRKHOFF, HENDRICKS & CONWAY, LLP.
Address 7502 GREENVILLE AVE. #220
Address DALLAS, TEXAS 75231
Address _____
Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
2000190 A (348)	01	000	56570	62301		297.39
2001102 A (350)	01	411	56570			2,734.17

TOTAL 3,031.56

EXPLANATION PAVING IMPROVEMENTS AT BELT LINE & MIDWAY AND EASEMENT PARK DRAINAGE

Steve Chisholm
Authorized Signature

Finance

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

Town of Addison

Date: May 24, 2001

Post Office Box 9010

Addison, Texas 75001-9010

Attention: Mr. Steve Chutchian

Statement No. 2001102A (350)

Services through April 30, 2001, in
connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer	5.5 Hrs.	\$ 811.31
Engineer In Training	32.5 Hrs.	1,812.86
Survey	1.0 Hr.	<u>110.00</u>
		<u>\$ 2,734.17</u>

*O.K. to
PAY*

SZC

6/8/01

Previous Billings	\$ 6,996.39
Current Billings	<u>2,734.17</u>
Total	\$ 9,730.56

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 5/3/01

Claim # _____

Check \$ 3,237.18

Vendor No. _____

Vendor Name _____

Address _____

SHIMEK, JACOBS & FINKLEA

Address _____

8333 DOUGLAS AVE., #820

Address _____

DALLAS, TX 75225-5816

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
200/102A (270)	01	411	56570			3,237.18

TOTAL 3,237.18

EXPLANATION EASEMENT PARK DRAINAGE IMPROVEMENTS -
STUDY, DESIGN & AUTOMOBILE

Steve Christman
Authorized Signature

Finance

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

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

Date: April 27, 2001

Statement No. 2001102A (270)

Services through March 31, 2001, in
connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer	13.0 Hrs.	\$ 1,876.80
Engineer In Training	24.5 Hrs.	<u>1,325.90</u>

\$ 3,202.70

Expense: Delivery	\$ 25.88	
Automobile	<u>8.60</u>	

34.48

\$ 3,237.18
=====

*O.K. to
PAY!
SZC*

Previous Billings	\$ 3,759.21
Current Billings	<u>3,237.18</u>
Total	\$ 6,996.39

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 4/16/01

Claim # _____

Check \$ 2,383.47

Vendor No. _____
 Vendor Name SHIMEK, JACOBS & FINKLEA, L.L.P.
 Address 8333 DOUGLAS AVE., #820
 Address DALLAS, TEXAS 75225-5816
 Address _____
 Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
2001102 A. (199)	01	411	56570			2,383.47

TOTAL 2,383.47

EXPLANATION EMERENT PARK DRAINAGE IMPROVEMENTS
STUDY & DESIGN

Steve Chutkan
 Authorized Signature

Finance

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

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

Date: March 27, 2001

Statement No. 2001102A (199)

Services through February 28, 2001,
in connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer	2.0 Hrs.	\$ 288.74
Engineer In Training	.5 Hr.	31.99
Engineer In Training	10.5 Hrs.	568.24
Survey	2.5 Hrs.	<u>275.00</u>

\$ 1,163.97

Expense: Survey Subcontract	\$1,200.00
Delivery	12.91
Automobile	<u>6.59</u>

1,219.50

\$ 2,383.47
=====

*O.K. to
PAY
4/10/01 SZC*

Previous Billings	\$ 1,375.74
Current Billings	<u>2,383.47</u>
Total	\$ 3,759.21

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 3/12/01

Claim # _____

Check \$ 1,375.74

Vendor No. _____

Vendor Name

SHIM EK, JACOBS & FINKLEA, L.L.P.

Address

8333 DOUGLAS Ave., #820

Address

DALLAS TEXAS 75225-5816

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
200102(125)	01	411	56570			1,375.74

TOTAL 1,375.74

EXPLANATION EASEMENT PARK DRAINAGE IMPROVE-
MENTS - STUDY, DESIGN & AUTOMOBILE

M. Murphy
Authorized Signature

Finance

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

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

Date: February 23, 2001

Statement No. 2001102 (125)

Services through January 31, 2001,
in connection with Easement Linear Park
Drainage Study

Time of Personnel:

Engineer	2.5 Hrs.	\$ 360.92
Engineer In Training	18.0 Hrs.	\$ 974.12
Word Processor	.5 Hr.	<u>21.97</u>
		\$ 1,357.01

Expense: Delivery	\$ 8.34	
Automobile	<u>10.39</u>	
		<u>18.73</u>
		\$ 1,375.74

O.K.
to PAY,
SZC

Previous Billings	\$ 0.00
Current Billings	<u>1,375.74</u>
Total	\$ 1,375.74

FROM : Northstar Construction Inc. FAX NO. : 8173670510

Oct. 15 2001 01:05PM P4

SECTION 01

Mailed 9/20

CONTRACTOR'S AFFIDAVIT OF DEBTS PAID

STATE OF TEXAS

COUNTY OF DALLAS

Personally before me the undersigned authority on this day appeared Michael A. Heinrich who, being duly sworn, on oath says that he is a legal representative of Northstar Construction (Contractor of the contract)

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

Bascom Park Urban Improvements - Phase 1 (Bid Number 01-30)

(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.

Michael A. Heinrich
Signature: Michael A. Heinrich

W. R. ...
Title

Sworn to and subscribed before me this 15th day of October, 2001.



Donald Smith
Notary Public in and for

... County, Texas

CHANGE ORDER NUMBER 1

Project : Easement Park Drainage Improvements Date : August 28, 2001
 Owner : Town Of Addison Contractor : Northstar Construction, Inc.
 15801 Westgrove 309 Birchwood Lane
 Addison, Texas 75001 Fort Worth, Texas 76108
 Engineer : Schimick, Jacobs & Finklee LLP

Item No.	Description	Contract Quantity	Units	Unit Price	Extra Quantity	Total Quantity	Extra Amount
17	Additional Items Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	2	\$ 11,850.00
3	Increased Pay Items Select Fill	12	CY	\$ 200.00	40	52	\$ 8,000.00

Change In Contract Price

Original Contract Amount	\$ 67,968.00
Additional Items Amount	\$ 11,850.00
Increased Items Amount	\$ 8,000.00
Decreased Items Amount	\$
Net Increase in Contract	\$ 19,850.00
Contract Price Including Change Order #1	\$ 87,818.00

Contractor Approval Michael A. Heimlich 8/4/01
 Vice President, Northstar Construction, Inc. Date

Recommended _____ Date

Town of Addison _____ Date

 Director Of Public Works

 Director Of Parks & Recreation

 Assistant City Manager

FROM : Northstar Construction Inc.

FAX NO. : 8173670510

Oct. 15 2001 01:04PM P1

Northstar Construction, Inc.
309 Birchwood Lane
Ft. Worth, Texas 76108

Office: 817-367-3110
Fax: 817-367-0510

Fax

To: Luke Jalbert	From: Mike Helmlich
Fax: 972-450-2834	Pages: 4 (incl. cover)
Phone: 972-450-2860	Date: 10/15/01
Ref:	CC:

Urgent
 For Review
 Please Comment
 Please Reply
 Please Recycle

• Comments

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 9/6/01

Claim # _____

Check \$ 43,157.25

Vendor No. _____
 Vendor Name NORTHSTAR CONSTRUCTION, INC.
 Address 309 BIRCHWOOD LANE
 Address FORT WORTH, TEXAS 76108
 Address _____
 Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
<u>ESTIMATE NO. 2</u>	<u>01</u>	<u>411</u>	<u>58210</u>			<u>43,157.25</u>

TOTAL 43,157.25

EXPLANATION EASEMENT PARK DRAINAGE.
ESTIMATE NO. 2

Steve Chutkan
 Authorized Signature

Finance

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : August 1, 2001 to August 31, 2001

Contract Amount : \$67,968.00

Calendar Days :

Est. No. : 2

Allotted 45

Used 45

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	0.75	0.25	1	\$ 4,250.00	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	9	111	120	\$ 1,332.00	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	0	12	12	\$ 2,400.00	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	0	120	120	\$ 5,280.00	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0.5	0	0.5	\$ -	\$ 250.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	0.5	0.5	1	\$ 2,000.00	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	0	1	1	\$ 3,200.00	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	220	69	289	\$ 4,140.00	\$ 17,340.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	220	148	368	\$ 148.00	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	0	1	1	\$ 2,500.00	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	0	79	79	\$ 4,740.00	\$ 4,740.00
15	Materials Testing	1	LS	\$ 1,500.00	0.33	0.66667	1.000	\$ 1,000.01	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	0.00	1	1.000	\$ 6,000.00	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	0	40	40	\$ 8,000.00	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	0	0.25	0.25	\$ 2,962.50	\$ 2,962.50
TOTALS								\$ 47,952.51	\$ 78,680.50

Certified By :

Michael A. Heimlich 9/4/01
Northstar Construction, Inc. Date

David B. Wade 9/6/01
Town Of Addison Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,718.00
EXTRA WORK PERFORMED	\$ 10,962.50
TOTAL VALUE OF WORK TO DATE	\$ 78,680.50
LESS RETAINAGE - 10%	\$ 7,868.05
NET AMOUNT EARNED ON CONTRACT	\$ 70,812.45
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 27,655.20
AMOUNT DUE THIS ESTIMATE	\$ 43,157.25

O.K. to
PAY. SZC
9/6/01

Northstar Construction, Inc.
 309 Birchwood Lane
 Ft. Worth, Texas 76108

Office: 817-367-3110
Fax: 817-367-0510

Fax

To: Luke Jalbert	From: Mike Heimlich
Fax: (972) 450-2837	Pages: 2 (incl. cover)
Phone: (972) 450-2880	Date: 08/31/01
Re: Easement Park Drainage Improvements CC:	

Urgent
 For Review
 Please Comment
 Please Reply
 Please Recycle

• **Comment:**

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : August 1, 2001 to August 31, 2001

Contract Amount : \$67,968.00

Est. No. : 2

Calendar Days :
Allotted 45
Used 45

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	0.75	0.25	1	\$ 4,250.00	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	9	111	120	\$ 1,332.00	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	0	12	12	\$ 2,400.00	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	0	120	120	\$ 5,280.00	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0.5	0	0.5	\$ -	\$ 250.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	0.5	0.5	1	\$ 2,000.00	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	0	1	1	\$ 3,200.00	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	220	69	289	\$ 4,140.00	\$ 17,340.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	220	148	368	\$ 148.00	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	0	1	1	\$ 2,500.00	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	0	79	79	\$ 4,740.00	\$ 4,740.00
15	Materials Testing	1	LS	\$ 1,500.00	0.33	0.66667	1.000	\$ 1,000.01	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	0.00	1	1.000	\$ 6,000.00	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	0	40	40	\$ 8,000.00	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	0	0.25	0.25	\$ 2,962.50	\$ 2,962.50
TOTALS								\$ 47,952.51	\$ 78,680.50

Certified By :

Michael A. Heimlich 9/4/01
Northstar Construction, Inc. Date

Town Of Addison Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,718.00
EXTRA WORK PERFORMED	\$ 10,962.50
TOTAL VALUE OF WORK TO DATE	\$ 78,680.50
LESS RETAINAGE - 10%	\$ 7,868.05
NET AMOUNT EARNED ON CONTRACT	\$ 70,812.45
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 27,655.20
AMOUNT DUE THIS ESTIMATE	\$ 43,157.25

CHANGE ORDER NUMBER 1

Project : Easement Park Drainage Improvements

Date :

August 28, 2001

Owner : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor :

Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Engineer : Schimick, Jacobs & Finklea LLP

Item No.	Description	Contract Quantity	Units	Unit Price	Extra Quantity	Total Quantity	Extra Amount
Additional Items							
17	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	1	2	\$ 11,850.00
Increased Pay Items							
3	Select Fill	12	CY	\$ 200.00	40	52	\$ 8,000.00

Change In Contract Price

Original Contract Amount	\$ 67,968.00
Additional Items Amount	\$ 11,850.00
Increased Items Amount	\$ 8,000.00
Decreased Items Amount	\$ -

Net Increase In Contract \$ 19,850.00

Contract Price Including Change Order #1 \$ 87,818.00

Contractor Approval

Michael A. Heimlich
Vice President, Northstar Construction, Inc.

8/4/01
Date

Recommended

Assistant Public Works Director

Date

Town of Addison

Director Of Public Works

Date

Director Of Parks & Recreation

Date

Assistant City Manager

Date

LETTER OF TRANSMITTAL

To : Town Of Addison
Department Of Public Works
16801 Westgrove
Addison, Texas 75001

Date : September 4, 2001
 Attn : Mr. Luke Jalbert
Project Manager
 Re : Easement Park Drainage Impr.

WE ARE SENDING YOU : Attached

Under Separate Cover via the
 Following _____

Submittals
 Samples

Prints
 Specifications

Shop Drawings
 Other

COPIES	DATE	DESCRIPTION
2	8/2/01	Application For Payment #2 * C.O. #1 Signed

THESE ARE TRANSMITTED (as checked below) :

For Approval Approved As Submitted Resubmit ___ Copies For Approval
 For Your Use Approved As Noted Submit ___ Copies For Distribution
 As Requested Returned For Corrections Return ___ Corrected Prints
 For Review & Comment

COMMENTS : _____

COPY TO : _____

BY : Michael A. Heimlich
Michael A. Heimlich
Project Manager

July 26, 2001

Mr. Michael Heimlich
Vice President
Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

RE: Easement Park Drainage Improvements

Dear Mr. Heimlich

In response to your correspondence of July 25:

After visiting the site, we have decided that no additional money is warranted for the existing conditions. You are right in stating that the plans and specifications did not provide any geotechnical information. The burden for obtaining such information before making assumptions in the bidding process is the sole responsibility of the contractor. The responsibility of the contractor to inspect the site before hand is clearly stated in section E of the Instructions to Bidder: Examination of Documents and Site

“Bidders shall carefully examine...the construction site to obtain first hand knowledge of the scope and the conditions of the work. Each contractor....by submitting a proposal to perform any portion of the Work, represents and warrants that he has examined.... The site of the work and from his own investigation has satisfied himself as to the scope, accessibility, and nature of the work; the character of the equipment needed for the performance of the work; the local conditions....”

Section F : Interpretation of Documents also clearly states that any questions regarding the plans should have been made before the bid was opened.

Special provisions #29: Excavation Safety Systems Section b: Soil borings--- states that since no borings or soil data were furnished, it is the contractors responsibility to obtain whatever geotechnical information required.

In order to help you reduce cost, we have a supply of approximately 50 cubic yards of backfill material that we will provide you. Please contact me on how to obtain this material.

Sincerely,

Luke Jalbert
Project Manager

Cc:
Mike Murphy
Steve Chutchian
Jim Pierce

DATE 8/21 TIME 8 AM
NAME Phyllis (?) HOME# 9-569-7334
ADDRESS 3849 CANOT WORK# _____

REQUEST FOR SERVICE TOA is working on flooding
problem behind her
house.

We have dislodged
her GATE & fence.

ACTION TAKEN Call her ASAP

GOT w/ CONTRACTOR on 8/21/01 sc

- Robin Jones _____
- Dave Wilde _____
- Charles Mitchell _____
- Al Dent _____
- James Brown _____
- Jeff King _____
- Jose Flores _____
- John Jones _____

- Keith Thompson _____
- Jerry Davis _____
- Edgar Horton _____
- Ron Pelky _____
- Charles McElroy _____
- Wes Ashcraft _____
- Robert McFarland _____

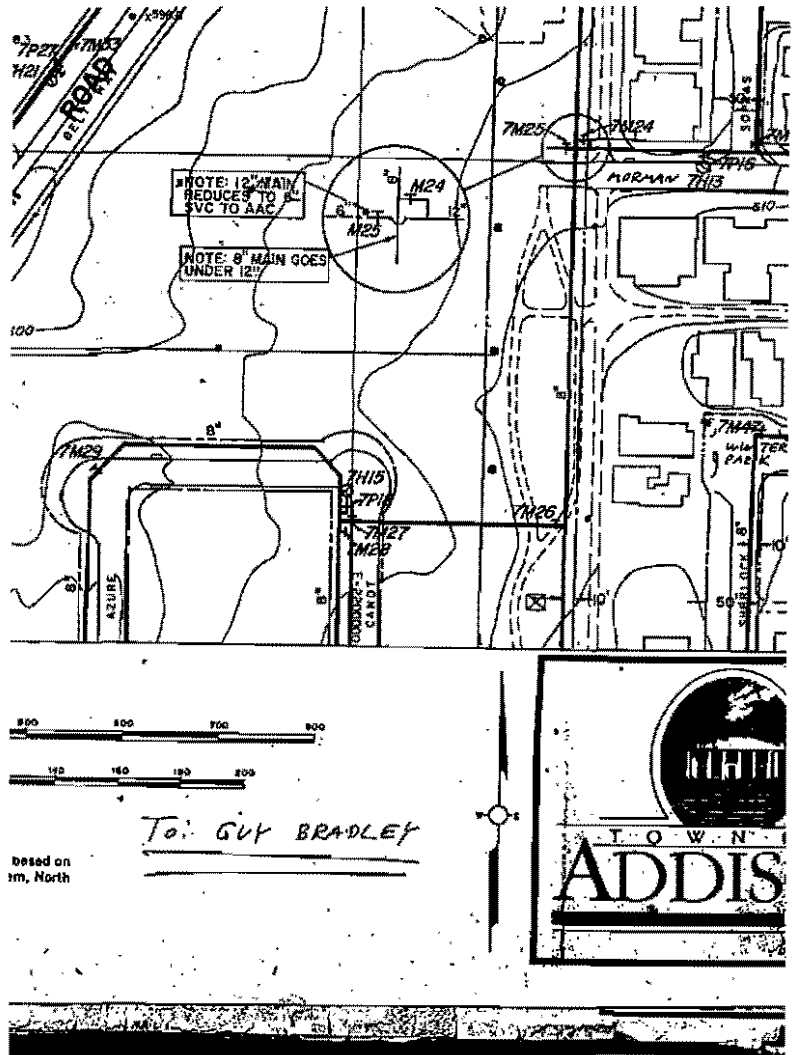
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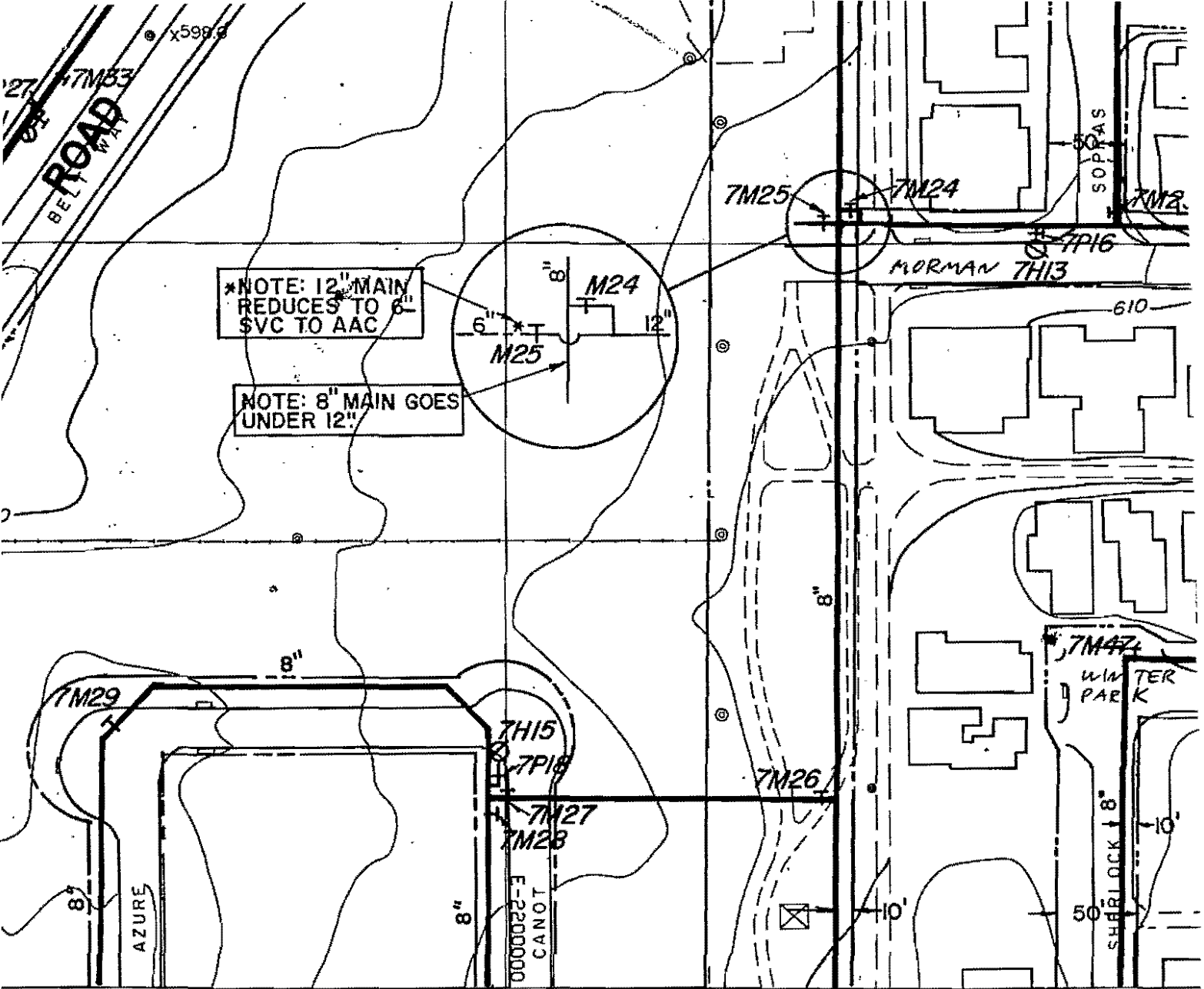


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APR-9-2001 15:22

Fax Call Report

Job	Date	Time	Type	Identification	Duration	Pages	Result
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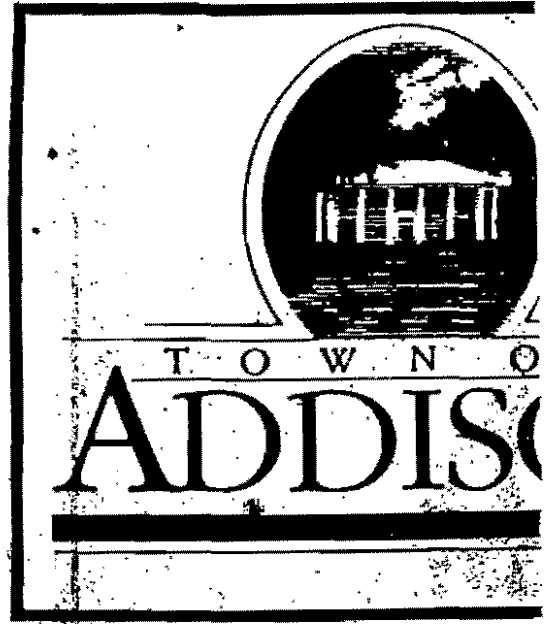


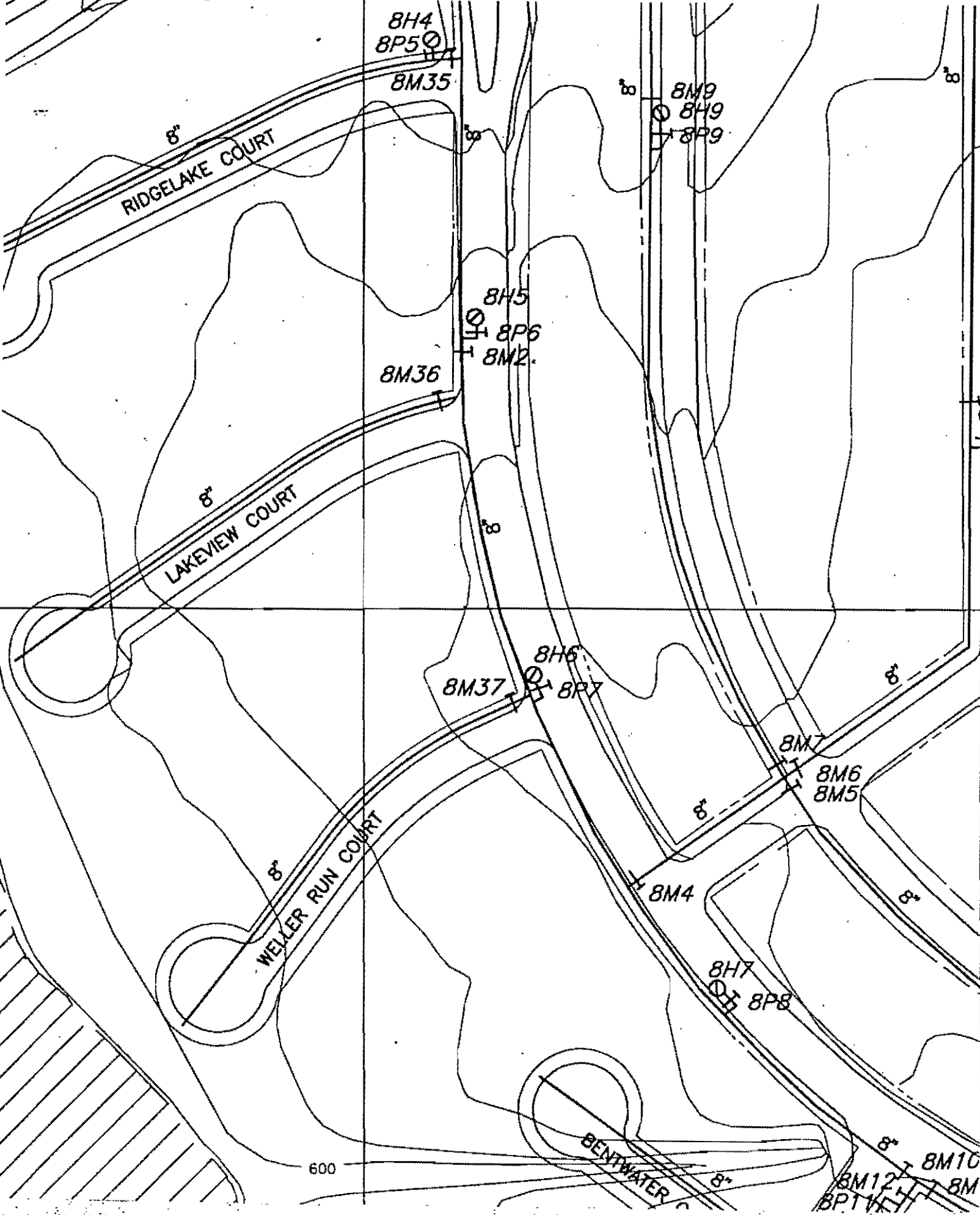
*NOTE: 12" MAIN
REDUCES TO 6"
SVC TO AAC

NOTE: 8" MAIN GOES
UNDER 12"

To: GUY BRADLEY

based on
n, North.





8H4
8P5
BM35

BM9
8H9
8P9

8H5
8P6
BM2

BM36

8H6
8P7
BM37

BM7
8M6
8M5

BM4

8H7
8P8

600

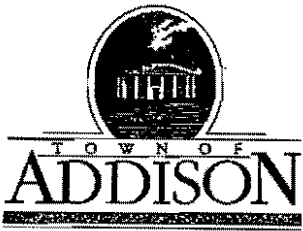
8M10
8M12
BPT VET
BM

Steve Chutchian

From: Steve Chutchian
Sent: Thursday, March 22, 2001 11:01 AM
To: 'bilgreen@na.cokecce.com'
Subject: Easement Park Drainage

Mr. Green - Our engineering consultant asked me to contact you regarding the drainage problem at your address. We would like to meet with you at your property and obtain a better understanding of the direction or pattern the storm water is taking as it flows onto your lot. I would greatly appreciate a call from you, in order to set up a day and time to meet early next week. My office number is 972-450-2886. Thank you.

Steve Chutchian, P.E.
Assistant City Engineer
Town of Addison



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

April 16, 2001

To Whom It May Concern:

The Town of Addison hereby states the intent to perform corrective improvements to an existing drainage problem that originates in Easement Park, which is generally located northeast of 3903 Azure Lane. Engineering plans and specifications are currently being prepared for the construction of these improvements and should be completed in April, 2001. The proposed project should be under construction in the summer of 2001. It is anticipated that these drainage improvements will effectively reduce the adverse impact of storm water at 3903 Azure Lane, as well as other adjacent lots.

Sincerely,

Michael Murphy, P.E.
Director of Public Works

Donald. H. Walden
3903 Azure Lane
Addison, Texas 75001-3106

12 April, 2001

Mr. Mike Murphy, Public Works Director
Town of Addison
P. O. Box 9010
Addison, Texas 75001-9010

Dear Mr. Murphy:

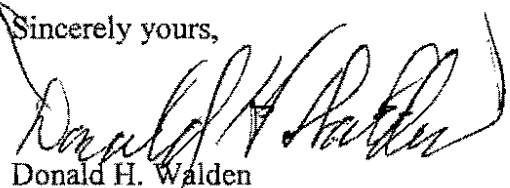
We are selling our house on Azure Lane and moving to 3817 Waterford Drive, so we will remain in Addison, which we think is the best place to live. However, I need your help with respect to the drainage problem I have previously discussed with you and which I must disclose to potential buyers of our current house.

Please read the attached notice (draft) carefully to ensure I have correctly stated the City's actions and future plans correctly.

In addition, I would very much appreciate a letter from you to me or 'to whom it may concern' stating the City's plans for correcting this problem and your confidence that the it will be successfully resolved. I am requesting this from you as a back up to give my notice more creditability.

We have already signed the contract for our new house and plan to put this house on the market in about a week, so I will appreciate your attention to my request as soon as possible. I thank you for your attention and help: past, present and future with this matter.

Sincerely yours,



Donald H. Walden

STEVE,
PLEASE SEE
ME ABOUT
THIS

Donald. H. Walden
3903 Azure Lane
Addison, Texas 75001-3106

12 April, 2001

To potential buyers of this house:

We purchased this house in December 1998 at which time the previous owner did not disclose that a minor flooding problem exists. After extremely heavy rains, runoff from the nearby city park passes through three or four neighbors' lawns into our back yard, then through our side and front yards out to the street. The water rises to a depth of about three inches to the top of the foundation, however it has never penetrated into the house. This condition exists for several hours after the rain stops. It has happened about three or four times in the two years, four months we have lived here.

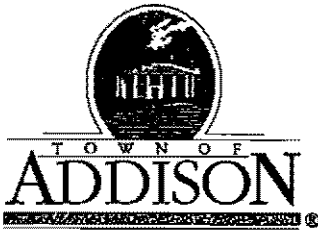
I have addressed this problem by taking the following two corrective actions;

1. I have designed and had constructed a pavestone walkway and drain line in the side and front yards out to the front sidewalk to improve the water flow and decrease the duration of flooding. (Please see item no. in the attached list of improvements.) Both the walkway and drain line are designed to easily accommodate extension to the backyard in the future if desired. Since construction, these improvements have not only decreased the duration of flooding in the side and backyards, but have eliminated it entirely from the front yard. I will be happy to furnish copies of my drawings of this project and further discuss it with you upon request.
2. In July 2000, I wrote a letter to Mr. Mike Murphy, Public Works Director, Town of Addison, requesting corrective action since the problem is caused by runoff from the city park. I also included an engineering concept drawing of my proposal to correct it. I have been in contact with him several times since, ~~and~~, and he has advised me that the City has retained an engineering firm to study the situation and submit a corrective drainage plan. He has further informed me that the engineering drawings will be available by 16 April and the City expects to let the project to bid in May or June.

I believe completion of the City's project in action number two above will successfully eliminate any flooding in the future.

Sincerely yours,

Donald H. Walden



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

April 16, 2001

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Director of Public Works

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Town of Addison
P. O. Box 9010
Addison, Texas 75001-9010

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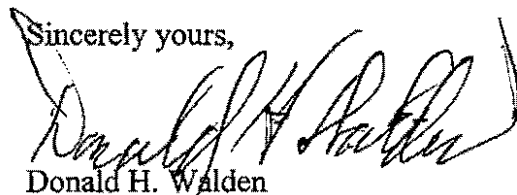
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Please read the attached notice (draft) carefully to ensure I have correctly stated the City's actions and future plans correctly.

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PLEASE SEE
ME ABOUT
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3903 Azure Lane
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12 April, 2001

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I have addressed this problem by taking the following two corrective actions;

1. I have designed and had constructed a pavestone walkway and drain line in the side and front yards out to the front sidewalk to improve the water flow and decrease the duration of flooding. (Please see item no. in the attached list of improvements.) Both the walkway and drain line are designed to easily accommodate extension to the backyard in the future if desired. Since construction, these improvements have not only decreased the duration of flooding in the side and backyards, but have eliminated it entirely from the front yard. I will be happy to furnish copies of my drawings of this project and further discuss it with you upon request.
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I believe completion of the City's project in action number two above will successfully eliminate any flooding in the future.

Sincerely yours,

Donald H. Walden

Addison!

STEVEN Z. CHUTCHIAN, P.E.
Assistant City Engineer
(972) 450-2886
(972) 450-2837 FAX
(214) 673-2518 Mobile
schutchian@ci.addison.tx.us E-mail

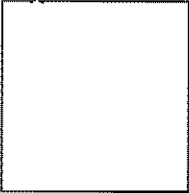
Town of Addison 16801 Westgrove Dr. P.O. Box 9010, Addison, Texas 75001-9010

MIKE-

4/16/01

I PREPARED THE ATTACHED
NOTICE FOR MR. WALDEN. IF
YOU CONCUR, I WILL FORWARD
IT TO MR WALDEN. THANKS!

Steve



SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

April 23, 2001

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

Re: Easement Park

Dear Mr. Chutchian:

Our original scope of services for Easement Park was to complete a drainage study to determine alternatives to minimize storm water runoff through the yard of the Walden Tract (3903 Azure Drive). That study has been completed and the Town has requested that we prepare construction plans and specifications for the alternate selected by the Town. That alternate includes the collection of storm water run off in an underground system discharging into an inlet along Azure Drive.

Accordingly, we propose to furnish engineering services for the preparation of construction plans and specification along with services during the bidding phase. Our services will include the following:

1. Grading plan within the park.
2. Design of above below ground storm drainage collection system within the park.
3. Landscape plans to restore areas of the park disrupted by construction.

We propose to be compensated for our services on the basis of salary cost times a multiplier of 2.4 with expenses at invoice cost time 1.10. Field survey crew will be at \$120.00 per hour. We recommend a budget of \$12,000.00 be established for this project. The breakdown includes \$8,000.00 for preparation of construction plans and specifications, \$4,000.00 for the bidding phase.

Mr. Steven Z. Chutchian, P.E.
Town of Addison
4/23/01
Page No. 2

If this proposal meets with your acceptance, please have one copy executed by the Town of Addison. We will commence our services upon receipt of the executed agreement. We are available at your convenience to discuss any questions you may have with the study or this proposal to implement an alternative from the study.

Sincerely,



John W. Birkhoff, P.E.

APPROVED FOR THE TOWN OF ADDISON

By: M. E. Shady

Date: 4/25/01

☆ NORTHSTAR CONSTRUCTION, INC. ☆**- General Contractor -**Larry E. Smith
President817/367-3110
Fax 817/367-0510

<u>BUSINESS CONTACT</u>	<u>NAME</u>	<u>PHONE NUMBER</u>
Acme Brick Co.	Marlin Hugley	(940) 682-4211
City of Ft. Worth, Texas	Lewis Gregory	(817) 223-2283
City of Hurst, Texas	Jerry Bradley	(817) 788-7221
Deltatek Engineering	Bahram Niknam	(214) 232-5040
City of White Settlement, TX	Mark White	(817) 246-4971
City of Keller, Texas	Patty Moos	(817) 431-0064
Carter Burgess	Eric Seebok	(817) 735-7074

3.6 Construction Experience

Name of Project: Pavillion at Hurst Community Park
Owner: City of Hurst
Architect: City of Hurst
Percent Complete: 100%
Scheduled Completion: Completed 1999
Contract Amount: \$38,091.00
Contact Name & #: Jerry Bradley 817-788-7221

Name of Project: Pump Station #1 Irrigation System
Owner: City of Hurst
Architect: City of Hurst
Percent Complete: 100%
Scheduled Completion: Completed 1999
Contract Amount: \$13,400.00
Contact Name & #: Jerry Bradley 817-788-7221

Name of Project: Concrete Paving
Owner: ACME BRICK CO.
Architect: ACME BRICK CO.
Percent Complete: 100%
Scheduled Completion: Completed 1999
Contract Amount: \$14,000.00
Contact Name & #: Marlin Hugley 940-682-4211

Name of Project: TCC & North Precinct Elevated Storage Tanks & Piping Improvements
Owner: City of Hurst
Architect: Deltatek Engineering
Percent Complete: 100%
Scheduled Completion: March, 2000
Contract Amount: \$114,000.00
Contact Name & #: Bahram Niknam 214-232-5040

Name of Project: Maintenance Building Addition
Owner: ACME BRICK CO.
Architect: ACME BRICK CO.
Percent Complete: 100%
Scheduled Completion: May, 2000
Contract Amount: \$34,000.00
Contact Name & #: Marlin Hugley 940-682-4211

Name of Project: Park Improvements at Jennings, St. Louis & May Park
Owner: City of Ft. Worth
Architect: City of Ft. Worth
Percent Complete: 100%
Scheduled Completion: July, 2000
Contract Amount: \$36,630.00
Contact Name & #: Rob Rodriguez 817-871-5734

Name of Project: Parker County Boat Ramp
Owner: Parker County Precinct #3
Architect: Design Build
Percent Complete: 100%
Scheduled Completion: October, 2000
Contract Amount: \$70,900.00
Contact Name & #: County Commissioner - Charlie Horton 817-594-0371

Name of Project: Concrete Foundation
Owner: Commercial Metals Co.
Architect: Commercial Metals / Myron Kolpack
Percent Complete: 100%
Scheduled Completion: September, 2000
Contract Amount: \$7,500.00
Contact Name & #: Myron Kolpack 214-689-4300

Name of Project: 2000 Valve Replacement
Owner: City of Hurst
Architect: City of Hurst
Percent Complete: 100%
Scheduled Completion: Start Date: October 2000
Contract Amount: \$66,310.00
Contact Name & #: Bahram Niknam 214-232-5040

Name of Project: Concrete Curb & Gutter
Owner: City of White Settlement
Architect: City of White Settlement
Percent Complete: 100%
Scheduled Completion: January 25, 2001
Contract Amount: \$14,100.00
Contact Name & #: Mark White 817-246-4971

Name of Project: Keller Sports Park IV
Owner: City of Keller
Architect: Carter & Burgess
Percent Complete: 95%
Scheduled Completion: June 20, 2001
Contract Amount: \$397,144.00
Contact Name & #: Patty Moos 817-431-0064

Name of Project:
Owner:
Architect:
Percent Complete:
Scheduled Completion:
Contract Amount:
Contact Name & #:

Name of Project:
Owner:
Architect:
Percent Complete:
Scheduled Completion:
Contract Amount:
Contact Name & #:

To: JOHN BIRKHOFF, P.E.

ADVERTISEMENT FOR BIDS
Bid # 01-30

The Town of Addison is requesting bids for **Easement Park Drainage Improvement**, Bid No. 01-30. Bids will be accepted until June 12, 2001 at 2:00pm, in the office of the Purchasing Coordinator, 5350 Belt Line Rd., Addison, Texas 75240 at which time they will be publicly opened and read aloud. Bids received after the designated time will not be considered and will be returned unopened.

The Town of Addison reserves the right to waive any formalities and to reject any or all bids and to select the bid deemed most advantageous to the City. For information contact the Purchasing Division at 972-450-7091. Specification information can be obtained at www.demandstar.com.

If you are not a member of DemandStar.com and wish to obtain a free copy of the bid specifications, you may pick one up at the Purchasing Division, 5350 Belt Line Road, Addison, Texas 75240.

HP LaserJet 3200se



TOALASERJET 3200
9724502837
MAY-23-2001 11:09

Fax Call Report

Job	Date	Time	Type	Identification	Duration	Pages	Result
943	5/23/2001	11:09:04	Send	92143610204	0:41	1	OK

To: JOHN BARKHOFF, P.C.

ADVERTISEMENT FOR BIDS Bid # 01-30

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If you are not a member of DemandStar.com and wish to obtain a free copy of the bid specifications, you may pick one up at the Purchasing Division, 5350 Belt Line Road, Addison, Texas 75240.

5/18/01

MINOR -

FOR YOUR
REVIEW!
THANKS!

Steve Chuteba

Addison!

BID NUMBER 01-30

**SPECIFICATIONS, CONTRACT DOCUMENTS AND PLANS
FOR THE CONSTRUCTION OF**

**EASEMENT PARK
DRAINAGE IMPROVEMENTS**

PREPARED BY

**SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS
DALLAS, TEXAS**

MAY, 2001

**SPECIFICATIONS, CONTRACT DOCUMENTS AND PLANS
FOR THE CONSTRUCTION OF
EASEMENT PARK DRAINAGE IMPROVEMENTS
FOR
TOWN OF ADDISON, TEXAS**

Prepared for:

**Town of Addison
P. O. Box 9010
Addison, Texas 75001**

Prepared by:

**Shimek, Jacobs & Finklea, L.L.P.
8333 Douglas Avenue, #820
Dallas, Texas 75225**

May, 2001

TABLE OF CONTENTS

Section AB	Advertisement for Bids
Section IB	Instructions to Bidders
Section PF	Proposal Form
Section CA	Contract Agreement
Section PrB	Performance Bond
Section PyB	Payment Bond
Section MB	Maintenance Bond
Section BP	Contractor's Affidavit of Bills Paid
Section GP	General Provisions Standard Specifications for Public Works Construction, North Central Texas (separate document not furnished)
Section SP	Special Provisions

THESE DOCUMENTS ARE FOR INTERIM
REVIEW AND ARE NOT INTENDED FOR
CONSTRUCTION, BIDDING, OR PERMIT
PURPOSES.

Date: _____

SECTION AB
ADVERTISEMENT FOR BIDS

SECTION AB

ADVERTISEMENT FOR BIDS

1. Sealed bids addressed to the Town of Addison, Texas, for **Easement Park Drainage Improvements**, in the Town of Addison, Texas, hereinafter called "City" in accordance with specifications and contract documents prepared by Shimek, Jacobs & Finklea, L.L.P. will be received at the office of Bryan Langley, Assistant Finance Director, Finance Building, 5350 Belt Line Road, Addison, Texas until 2 p.m. on 6-11-01 2001. Bids received by the appointed time will be opened and read aloud. Any bids received after closing time will be returned unopened. Unsigned bids will not be considered.

2. The Contractor shall identify his bid on the outside of the envelope by writing the words EASEMENT PARK DRAINAGE IMPROVEMENTS, Bid No. 01-28.

3. Bids shall be accompanied by a cashier's check or certified check upon a national or state bank in an amount not less than five percent (5%) of the total maximum bid price payable without recourse to the Town of Addison, or a bid bond in the same amount from a reliable surety company licensed by the State of Texas to act as a Surety and be listed on the current U.S. Treasury Listing of Approved Sureties, or a Binder of Insurance executed by a surety company licensed by the State of Texas to act as a surety or its authorized agent as a guarantee that the bidder will enter into a contract and execute a Performance Bond within ten (10) days after notice of award of contract to him.

4. Plans, specifications and bidding documents may be secured from Miaok Suh, Purchasing Coordinator ~~Bryan Langley, Assistant Finance Director~~, Finance Building, 5350 Belt Line Road, Addison, Texas. There will be no fee or deposit for documents.

5. The right is reserved by the Mayor and the City Council as the interests of the City may require to reject any or all bids and to waive any informality in bids received.

6. The Bidder (Proposer) must supply all the information required by the Proposal Form.

7. A Performance Bond, Labor and Material Payment Bond, and Maintenance Bond will be required by the Owner; each Bond shall be in the amount of 100% of the total contract amount. Bonds shall be issued by a surety company licensed by the State of Texas to act as a Surety and be listed on the current U.S. Treasury Listing of Approved Sureties.

8. For information on bidding or to secure bid documents, contact Miaok Suh ~~Bryan Langley~~ at (972) 450-~~7090~~ 7091. For information on the work to be performed, call Steve Chutchian, P.E., Assistant City Engineer, Town of Addison (972) 450-2871 or John Birkhoff, Shimek, Jacobs & Finklea, L.L.P. (214) 361-7900.

9. The project consists of furnishing and installing perimeter fencing in accordance with the specifications.

10. Estimated quantities for major items include the following:

<u>Description</u>	<u>Quantity</u>
18" HDPE Storm Sewer	268 L.F.
4' x 4' Drop Inlet	1 Ea.
Concrete Jogging Path Replacement	115 S.Y.

11. No Pre-Bid Conference will be held.

TOWN OF ADDISON, TEXAS

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

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JOHN W. BIRKHOFF, P.E.

JOE R. CARTER, P.E.

GARY C. HENDRICKS, P.E.

PAUL A. CARLINE, P.E.

MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.

I. C. FINKLEA, P.E.

May 3, 2001

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

Re: Easement Park Drainage Improvements

Dear Mr. Chutchian:

We are enclosing three sets of preliminary plans and specifications for the Easement Park Drainage Improvements project, for your review and comment. Our opinion of probable construction cost for this project is \$40,000.00. We have reviewed the cost for the under-drain system for the remaining area in the Park and our preliminary opinion of cost for that work is approximately \$70,000.00.

We are available at your convenience to discuss any questions you may have with the enclosed set of preliminary plans and specifications.

Sincerely,



John W. Birkhoff, P.E.

Enclosure

Item #R3 - Presentation of Proclamation for National Night Out Against Crime, August 7, 2001.

Item #R4 - Presentation of the schematic design for the Addison Athletic Club Expansion and Outdoor Leisure Pool and approval to proceed with the project.

Item #R5 - Presentation and approval of the schematic design and budget for the Water Tower/Addison Conference and Theatre Centre pedestrian entry way project.

Item #R6 - Consideration of an Ordinance approving a meritorious exception to Chapter 62, Signs, Section 62-163(5), Maximum Letter/Logo Height, located at 14775 Midway Road on application from Abbotsford Court.

Item #R7 - Consideration of a Resolution authorizing the City Manager to enter into a contract awarding ambulance billing collection services to Texas Medical Data Systems.

Item #R8 - Consideration of a Resolution authorizing the City Manager to enter into a contract in the amount of \$67,968.00 with Northstar Construction, Inc. for the construction of the Easement Park Drainage Improvements.

APPROVED
6/26/01

Item #R9 - Consideration of a Resolution authorizing the City Manager to enter into negotiations with Metro Brick, Inc. for the purchase of a 11,363 sq. ft. site located at Lot 3, Block 1, Addison Car Care.

APPROVED
6/26/01

Item #R10 - Consideration of a Resolution authorizing the City Manager to enter into a contract in the amount of \$21,310.00 with AMB Property, II, L.P. for the purchase of 4,262 sq. ft. of permanent right-of-way and 2,558 sq. ft. of temporary driveway easement located at Lot 1 Block 1, Belt Line-Marsh Business Park.

APPROVED
6/26/01

draft

**TOWN OF ADDISON
CONSTRUCTION NOTICE
*Easement Park Lighting and Drainage Improvements***

Dear Resident:

Beginning July 16, 2001 the Town of Addison will begin construction on new lighting and drainage Improvements in the Easement Park. The upgrades will occur in the L-shaped park underneath the TXU transmission power lines, which extends from behind the Athletic Club to the circular turnaround northwest of the Courtyard By Marriott hotel.

The drainage work will take place next to the playground at the trail bend, and will extend to a drop inlet on Azure Lane. The work will be confined to the park. The concrete trail will be temporarily closed; however, the trail section north of the playground will remain open.

The lighting improvements will involve removing the existing concrete bollard trail lights, as well as, the grade mounted path lights to make way for 8-foot high pole lights that will match the lights that are currently on the trail system throughout the Les Lacs Linear Park.

If you have any questions regarding this project, please contact Slade Strickland, Director of Parks and Recreation, or Ron Lee Parks Operations Manager at 972-450-2851.

LETTER OF TRANSMITTAL



Engineering
 P.O. Box 9010
 01-9010
 60-2871 • Fax: [972] 450-2837

John Moran
Town Hall

DATE <u>6-19-01</u>	JOB NO.
ATTENTION	
RE: <u>Shimek, Jacobs & Finklea</u> <u>now named</u> <u>Birkhoff, Hendricks & Conway</u>	

- SENDING YOU**
- Attached
 - Under separate cover via _____ the following items:
 - Prints
 - Plans
 - Samples
 - Specifications
 - Change order
 - _____

DATE	NO.	DESCRIPTION
		<u>Original letter of 6-14-01 from</u> <u>John Birkhoff of Birkhoff</u> <u>Hendricks & Conway, LLP.</u>

- TRANSMITTED as checked below:**
- Approved as submitted
 - Resubmit _____ copies for approval
 - Approved as noted
 - Submit _____ copies for distribution
 - Returned for corrections
 - Return _____ corrected prints
 - _____
- DUE _____ 19____ PRINTS RETURNED AFTER LOAN TO US

Requesting existing contracts with
town be transferred to Birkhoff,
drus & Conway

Steve Chutchan

SIGNED:

If enclosures are not as noted, please notify us at once.

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

7502 Greenville Ave., #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

JOHN W. BIRKHOFF, P.E.
RONALD V. CONWAY, P.E.
GARY C. HENDRICKS, P.E.
JOE R. CARTER, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

June 14, 2001

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 9010
Addison, Texas 75001-9010

Re: Amendment to Contracts for Engineering Services

Dear Mr. Pierce:

The Town of Addison entered into an agreement with Shimek, Jacobs & Finklea, L.L.P., to provide engineering services for the following projects:

- Marsh Lane Water Line
- Broadway Paving & Drainage
- TNRCC Waiver
- Easement Park
- Surveyor Ground Storage Reservoir
- Special Events District
- Townhall Waterfall
- Addison Road/Bent Tree Plaza Pkwy.
- Addison Road Paving & Drainage

Shimek, Jacobs & Finklea, L.L.P. changed its name to Birkhoff, Hendricks & Conway, L.L.P. on May 28, 2001, and changed its address to 7502 Greenville Ave., Suite 220, Dallas, Texas 75231. We hereby request that the existing contracts for Engineering Services for the above referenced projects be transferred to Birkhoff, Hendricks & Conway, L.L.P.

If this request is agreeable to the Town of Addison, please have one copy of this Letter Amendment executed for the Town of Addison and returned to this office.

Sincerely yours,



John W. Birkhoff, P.E.

APPROVED FOR THE TOWN OF ADDISON

By: 
James C. Pierce, Jr., P.E., DEE, City Engineer Asst. Public Works Director J.C.P.

Date: 6-19-01

Donald. H. Walden
3903 Azure Lane
Addison, Texas 75001-3106

972-241-2857

26 August, 2000

Mr. Mike Murphy, Public Works Director
Mr. Slade Strickland, Parks and Recreation Director
Town of Addison
P. O. Box 9010
Addison, Texas 75001-9010

Gentlemen:

Thank you for taking the time to discuss and review with me on location the drainage problem on my property as the result of run off from the city's park walkway at and just north of Azure Lane. In addition, I thank you for allowing me to review in your office the two sets of plans for the park.

My review indicates that one of those projects lacks a drainage plan (although it does have a grading plan) and the drainage plan for the other is not adequate. Both of these omissions or errors contribute to the runoff problem on adjacent properties as well as cause unnecessary and undesirably wide ponding on Azure, Cannot and Proton Streets for several hundred yards during and several hours after heavy rains.

I am enclosing herewith a concept drawing of drainage improvements, which I propose and which I believe will solve these two problems. These improvements consist of construction of 3 drop inlets and approximately 420 linear feet of reinforced concrete pipe, which ties into an existing curb inlet at Azure Street.

I believe Inlet A should be 3 feet square (inside dimensions) and Inlets B and C should be 4 feet by 8 feet with grate tops suitable for walkways. The depth should be about 24 inches for Inlet A and 30 inches for the other two. This will result in very flat grades for the sewer line, but its elevation is set by the flow line elevation of the existing curb inlet.

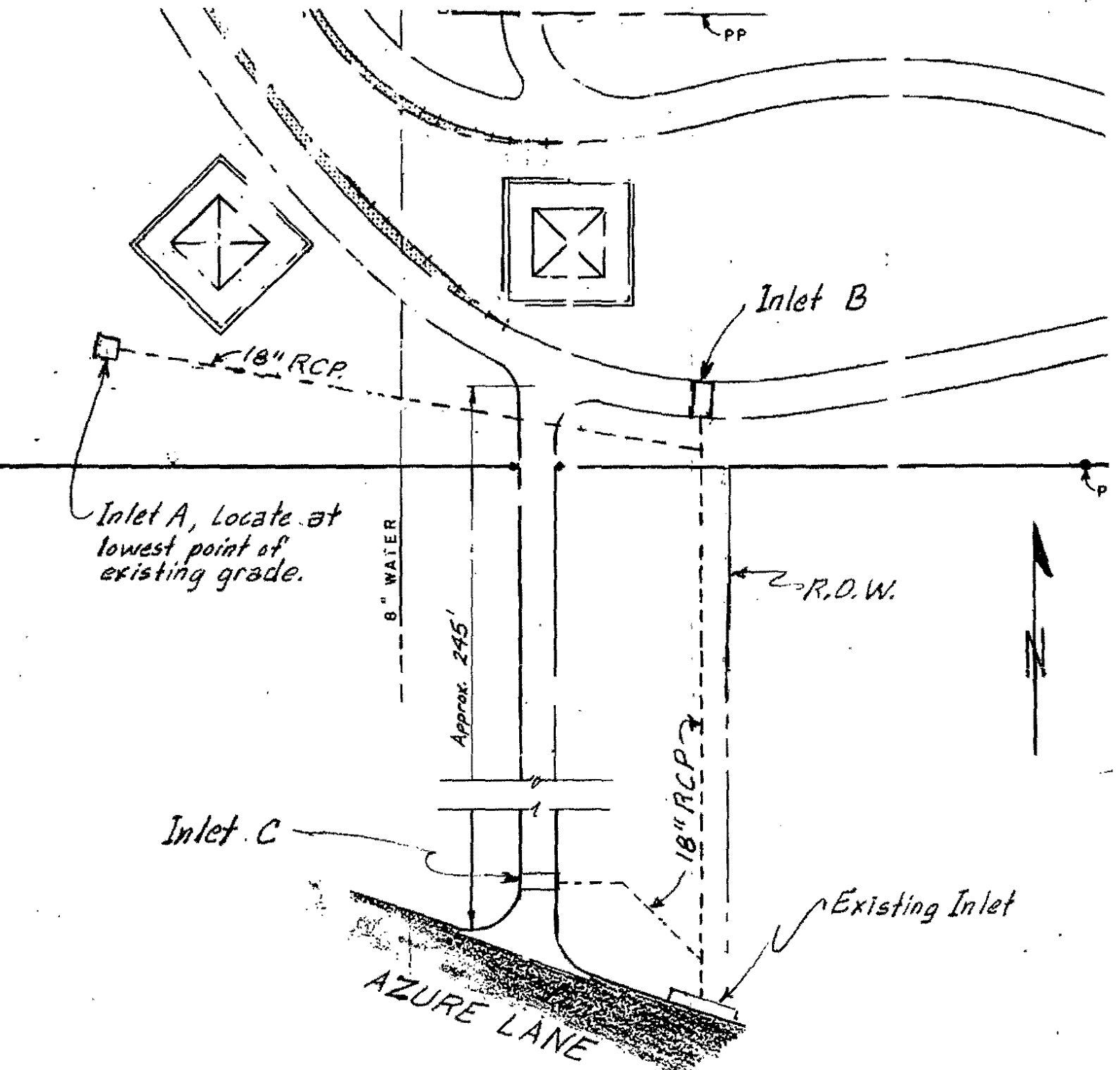
Further details need to be worked out including grades, detail drawings and quantity estimates among other items. I recommend an engineering study to determine further details and development of a set of plans for this concept or an alternative, if the study finds a better solution. I request you to make every effort to begin this project as soon as possible and include it in the City's upcoming budget.

Please contact me if you have further questions. I am willing to help anyway I can, and I appreciate your consideration of and response to this request.

Sincerely yours,


Donald H. Walden, P.E.

PROPOSED DRAINAGE IMPROVEMENTS FOR PEDESTRIAN PARKWAY @ AZURE LANE



ADVERTISEMENT FOR BIDS
Bid # 01-30

The Town of Addison is requesting bids for **Easement Park Drainage Improvement**, Bid No. 01-30. Bids will be accepted until June 12, 2001 at 2:00pm, in the office of the Purchasing Coordinator, 5350 Belt Line Rd., Addison, Texas 75240 at which time they will be publicly opened and read aloud. Bids received after the designated time will not be considered and will be returned unopened.

The Town of Addison reserves the right to waive any formalities and to reject any or all bids and to select the bid deemed most advantageous to the City. For information contact the Purchasing Division at 972-450-7091. Specification information can be obtained at www.demandstar.com .

If you are not a member of DemandStar.com and wish to obtain a free copy of the bid specifications, you may pick one up at the Purchasing Division, 5350 Belt Line Road, Addison, Texas 75240.

TRANSMITTAL OF ADDENDUM

INSTRUCTIONS:

Acknowledge receipt of Addenda in Proposal, on outer envelope of bid **AND WITH THE FORM BELOW FAXED TO (972) 450-7096** upon receipt.

Addendum Acknowledgment FAX to (972) 450-7096

I Acknowledge the receipt of Addendum No. 1

City of TOWN OF ADDISON, TEXAS

Project Name: EASEMENT PARK DRAINAGE IMPROVEMENTS

By Facsimile Transmission on this date: _____

Contractor's Signature Company Name

E-Mail Address: _____

**"PLEASE SIGN & FAX THIS PAGE BACK TO
TOWN OF ADDISON"
(as verification that you received this Fax)
(972) 450-7096**

Total Number of Fax Pages: 6

TOWN OF ADDISON, TEXAS

EASEMENT PARK DRAINAGE IMPROVEMENTS

Bid Number 01-30

ADDENDUM NO. 1

June 5, 2001

Plans and specifications for the Easement Park Drainage Improvements project, for the Town of Addison, Texas, on which bids are to be received until 2:00 p.m. on Tuesday, June 12, 2001, are hereby modified as follows:

1. Refer to the PROPOSAL AND BID SCHEDULE. Delete Pages PF-3 through PF-6 in its entirety and substitute the attached pages PF-3A through PF-6A.
 - A. Item No. 10 is deleted in its entirety. Erosion Control shall be subsidiary to installation of the proposed storm sewer.
 - B. Item No. 16 - Water Main Lowering, is added.
2. Refer to the CONSTRUCTION PLANS, Sheet 3.
 - A. Delete Note #6 and replace with, "All plant removal and replacement shall be at the at the direction of the Engineer."
 - B. All references to "red-tip phitunias" shall be revised to read "red-tip photenias."
 - C. Add the note "NO PAY ITEM" to "BOLLARD LIGHT (TO BE REMOVED AND REPLACED).
 - D. All plant removal and replacement of plant material shall be at the direction of the Engineer.
 - E. Grass sod shall be subsidiary to the removal and replacement of Landscape(Bid Item 6).
3. Refer to the CONSTRUCTION PLANS, Sheet 5. Berm construction shall be subsidiary to the furnishing and installation of select fill (Bid Item 3).
4. Bidders shall acknowledge receipt of Addendum No. 1 in the space provided in the Proposal, on the outer envelope of their bid, and by faking back the "Transmittal of Addendum Acknowledgment Sheet" to the Town of Addison, Texas at (972) 450-7096.

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
DALLAS, TEXAS

- 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 the Proposal. In the event of discrepancy, the words shall control.
 3. Materials, which are "tax exempt", are those items which are physically incorporated into the facilities constructed for the OWNER, as set forth in the Special Provisions. Materials include, but are not limited to purchased items such as concrete, and roadbase, etc.

Services, which are "not tax exempt", are those items which are used by the Contractor but are not physically incorporated into the OWNER's facility and/or items which are consumed by construction, as set forth in the Special Provisions. Services include, but are not limited to, items such as supplies, tools, skill and labor, the purchase, rental or lease of equipment, etc.

Name of Person Signing Bid

Signature of Person Signing Bid

Address

Telephone No.

Fax No.

T.I.N. (Tax Identification or Employer's Number)

TOWN OF ADDISON, TEXAS
Easement Park Drainage Improvements - Phase I

BID SCHEDULE

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
1	1	L.S.	For Site Preparation complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
2	120	S.Y.	Remove and Dispose of Existing Concrete Sidewalk complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
3	12	C.Y.	Furnish and Install Select Fill complete in place, the sum of _____ _____ Dollars and _____ Cents per Cubic Yard		
4	120	S.Y.	Construct 6" Thick Concrete Sidewalk complete in place, the sum of _____ _____ Dollars and _____ Cents per Square Yard		
5	1	Ea.	Remove and Reset/Replace Existing 1' x 1' Grate Inlet complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
6	1	L.S.	Remove and Replace Existing Landscape complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
7	1	Ea.	Furnish and Install 4'x 4' Grate Inlet complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
8	289	L.F.	Furnish and Install 18-Inch HDPE Storm Sewer Pipe with Embedment by Open Cut complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
9	1	Ea.	Connection to Existing 14-Foot Storm Sewer Inlet complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
10	<i>Deleted Add #1</i>		Erosion Control Design and Implementation complete in place, the sum of _____ _____ Dollars and _____ Cents per		
11	1	L.S.	Trench Safety Design complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		

Item No.	Estimated Quantity	Unit	Description and Price in Words	Price in Figures	Extended Amount
12	368	L.F.	Trench Safety Implementation complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
13	1	Ea.	Furnish and Install 3' x 3' Grate Inlet complete in place, the sum of _____ _____ Dollars and _____ Cents per Each		
14	79	L.F.	Furnish and Install 15-Inch HDPE Storm Sewer Pipe with Embedment by Open Cut complete in place, the sum of _____ _____ Dollars and _____ Cents per Linear Foot		
15	1	L.S.	For Material Testing complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
16	1	L.S.	For Water Main Lowering complete in place, the sum of _____ _____ Dollars and _____ Cents per Lump Sum		
TOTAL AMOUNT BID (Items 1 Through 16)					

Steve Chutchian

From: Luke Jalbert
Sent: Tuesday, June 05, 2001 8:24 AM
To: 'Jbirkhoff@bhcllp.com'
Cc: Jim Pierce; Steve Chutchian
Subject: Addendum for Easement Park plans

Mr. Birkhoff

While reviewing the plans you recently submitted for the easement park drainage improvements, Steve Chutchian and I found several changes that need to be made to the plans and specifications. These changes will need to be submitted as an addendum to myself and Minok Suh by the end of the day so that the original bid date will not be affected..

Corrections that need to be made are:

1. On sheet #3, reword note #6 to clarify, and correct spelling errors
2. On sheet #3, correct spelling of "phoenias" in note.
3. On sheet #3, on the note "bollard light to be removed and replace" add "no pay item"
4. On sheet #3, to all notes that say "remove exist. And replace with new plant material" add "as directed by engineer"
5. on sheet #3, indicate grass sod is subsidiary to pay item #6.
6. a pay item needs to be added for the water main lowering. Please make this a lump sum item.
7. Please indicate how berms A-A and B-B are to be paid for. Will they be subsidiary to another pay item for hauling fill, or does a pay item need to be added?
8. Change items 10 and 11 to be no pay items.

Thank you

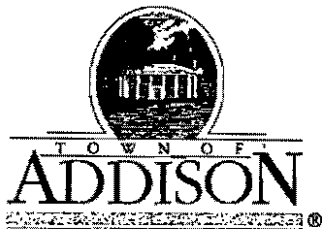
Luke Jalbert
Project Manager
Town of Addison
972-450-2860

Easement Park Drainage Improvements

Project Schedule

Description Of Work	July											August																
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11
Mobilization																												
Submittals		█	█	█	█	█	█																					
Utility Locates		█	█	█	█	█	█																					
Surveying/Layout		█	█	█	█	█	█																					
Cap Irrigation			█	█	█	█	█																					
Erosion Control			█	█	█	█	█																					
Demolition																												
Remove & Store Bollard Light			█	█	█	█	█																					
Remove & Store Fence			█	█	█	█	█																					
Remove & Store Inlet			█	█	█	█	█																					
Remove Bushes				█	█	█	█																					
Remove Sidewalk					█	█	█																					
Utility Work																												
Lower Water Line								█	█	█	█	█	█	█														
Connect To Existing Inlet								█	█	█	█	█	█	█														
Install 18" Storm Drain								█	█	█	█	█	█	█														
Install 4' x 4' Grate Inlet								█	█	█	█	█	█	█														
Install 15" Storm Drain								█	█	█	█	█	█	█														
Install 3' x 3' Grate Inlet								█	█	█	█	█	█	█														
Site Work																												
Install Berms															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Install Sidewalk															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Backfill/Fine Grade															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Install 1' x 1' Inlet															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Install Fence															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Install Bollard Light															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Install Bushes															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Install Irrigation															█	█	█	█	█	█	█	█	█	█	█	█	█	█
Demobilization																												
Clean-up																												
Install Sod																												
Final Inspection																												

Northstar Construction, Inc.
 Version : Preliminary
 Date : July 11, 2001



FINANCE DEPARTMENT/PURCHASING DIVISION

5350 Belt Line Road (972) 450-7091

E-mail purchasing@ci.addison.tx.us

Facsimile (972) 450-7096

P.O. Box 9010

Addison, Texas 75001

June 26, 2001

Northstar Construction, Inc
Michael Heimlich
309 Birchwood
Ft. Worth, TX 76103

COPY

NOTICE OF AWARD: Easement Park Drainage Improvements

Dear Mr. Heimlich:

Receipt of this document authorizes your company to provide all labor and materials as outlined in the specifications, and under the terms and conditions of the contract documents for Bid No: 01-30.

Enclosed please find four completed copies of the contract to be signed by an authorized officer or principal of your firm.

Please send the signed contracts along with the necessary insurance certificates, Performance Bond, Labor & Material Payment Bond and Maintenance Bonds as soon as possible, but no later than July 11, 2001. Once we receive these items these items a Notice to Proceed will be issued.

If you have any questions or if I can be of assistance to you, please contact me at 972-450-7091.

Sincerely,

Minok Suh
Purchasing Coordinator

Enclosures

Copy: Steve Chutchian

Northstar Construction, Inc.
309 Birchwood Lane
Ft. Worth, Texas 76108

Office: 817-367-3110
Fax: 817-367-0510

Fax

To: Luke Jalbert	From: Mike Heimlich
Fax: (972) 450-2837	Pages: 15 (incl. cover)
Phone: (972) 450-2860	Date: 07/18/01
Re: Easement Park Drainage	CC:
Submittals	

Urgent
 For Review
 Please Comment
 Please Reply
 Please Recycle

● **Comments.**

Luke,

Originals in the mail today.

<< Interrupted Transmission >>

Northstar Construction, Inc.
309 Birchwood Lane
Ft. Worth, Texas 76108

Office: 817-367-3110
Fax: 817-367-0510

Fax

To: Luke Jalbert	From: Mike Heimlich
Fax: (972) 450-2837	Pages: 15 (incl. cover)
Phone: (972) 450-2860	Date: 07/18/01
Re: Easement Park Drainage	CC:
Submittals	

Urgent For Review Please Comment Please Reply Please Recycle

◆ **Comments.**

Luke,

Originals in the mail today.

★ NORTHSTAR CONSTRUCTION, INC. ★
GENERAL CONTRACTOR

309 BIRCHWOOD LANE
FY, WORTH, TEXAS 76108

OFFICE: (817) 367-3110
FAX: (817) 367-0510

LETTER OF TRANSMITTAL

To: Town Of Addison
Public Works Department
16801 Westgrove
Addison, Texas 75001

Date: July 17, 2001
Attn: Mr. Luke Jalbert
Project Manager
Re: Easement Park Drainage Impr.
Bid No. 01-30

WE ARE SENDING YOU : Attached

Under Separate Cover via the
Following _____

Submittals
 Samples

Prints
 Specifications

Shop Drawings
 Other

COPIES	DATE	DESCRIPTION
3	7/16/01	Trench Safety Design
3	7/16/01	Concrete Mix Designs
3	7/16/01	Pre-Cast Grate Inlet Shop Drawings
3	7/17/01	ADS Polyethylene Tubing Data Sheets

THESE ARE TRANSMITTED (as checked below) :

For Approval Approved As Submitted Resubmit _____ Copies For Approval
 For Your Use Approved As Noted Submit _____ Copies For Distribution
 As Requested Returned For Corrections Return _____ Corrected Prints
 For Review & Comment

COMMENTS : _____

COPY TO : _____

BY: Michael A. Heimlich
Michael A. Heimlich
Vice President

TRENCH SAFETY DESIGN

FOR USE AT

EASEMENT PARK DRAINAGE IMPROVEMENTS

TOWN OF ADDISON

PREPARED FOR

NORTHSTAR CONSTRUCTION, INC.

JULY 16, 2001

**Michael A. Heimlich, P.E.
Texas Registration #71319**

TRENCH SAFETY DESIGN

NORTHSTAR CONSTRUCTION, INC.

Introduction

This Trench Safety Design is for use during construction of storm drainage improvements to Easement Park in the Town Of Addison.

The primary method of providing trench safety for this project will be the Sidewall Layback Method. Trench shields may also be used if the need arises. This design applies to trenches exceeding 5 feet in depth, or to trenches less than 5 feet in depth where the possibility for cave-in exists.

Soil Characteristics

This soil will likely be classified Type B based on field observation. However, the presence of seeping water from the irrigation system could result in a Type C classification.

Trench Safety Design

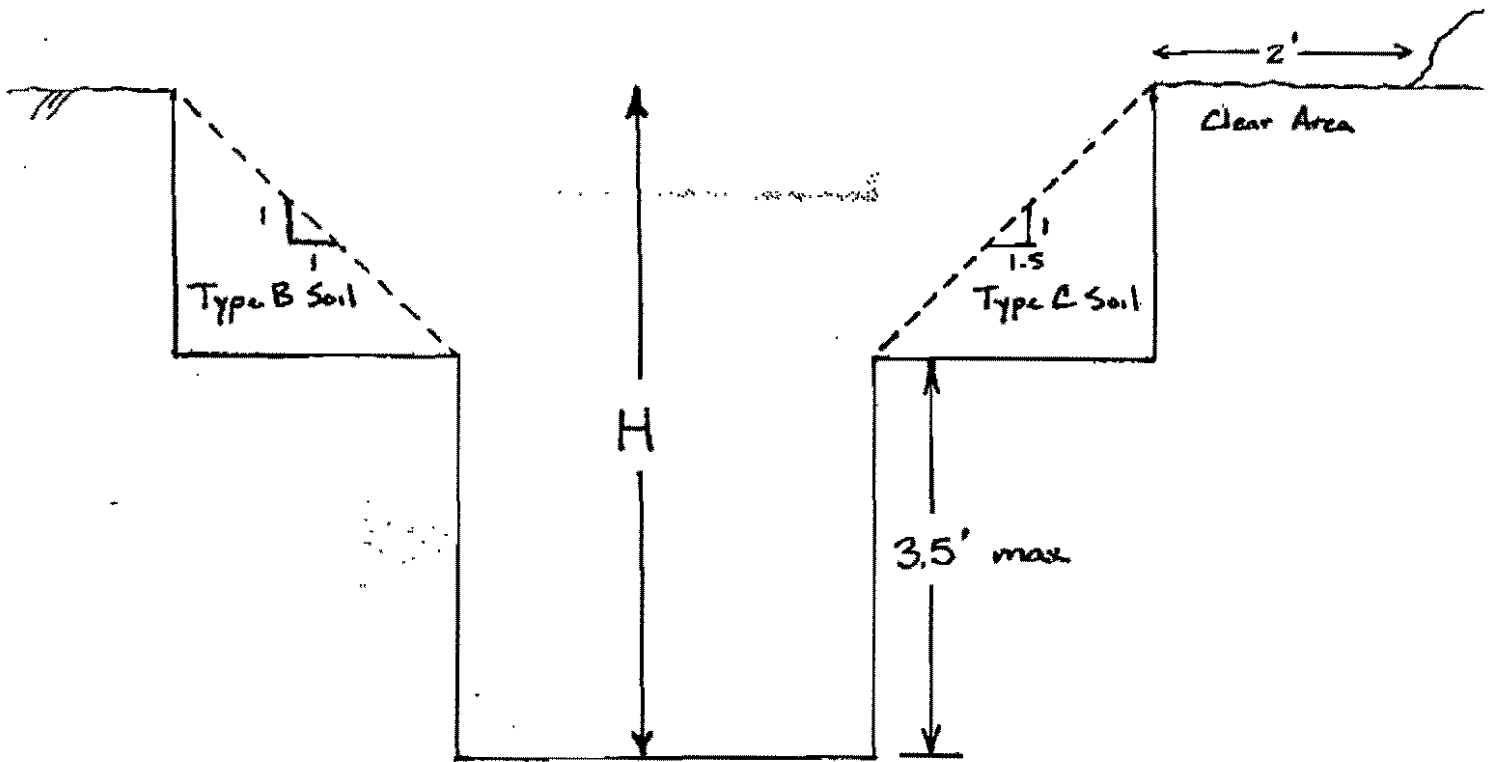
- A. "Occupational Safety and Health Standards for Construction" (29 CFR 1926 Standards) are incorporated by reference.
- B. Sidewall Layback Method - Generally, laybacks will be in accordance with Appendix B to Subpart P, of 29 CFR, Part 1926.
- C. Trench Shield Method - Trench shields will be installed per 1926.652(g) "Shield Systems" of 29 CFR, Part 1926. If this method is deemed necessary, trench shield certification data will be submitted by local equipment company providing shields.

General

- A. Ladders shall be installed in all trenches 4 feet or more in depth. A ladder will be within 20 feet of all personnel and will extend 4 feet above natural ground.
- B. Two feet minimum adjacent to the ditch will be kept clear of excavated material.

Site Specific

The maximum trench depth anticipated for this project is 6 feet and the total length of trench excavation is approximately 370 feet. The planned method of providing trench safety is to bench the sidewalls as shown on the attached sketch. However, if obstructions such as other utilities trees, or landscaping features prohibit adequate space for benching, trench shields will be utilized.



SIMPLE BENCH METHOD
(when $H \geq 5'0''$)

PROJECT : EASEMENT PARK DRAINAGE IMPROVEMENTS

CONTRACTOR : NORTHSTAR CONSTRUCTION, INC.



CLIENT: NORTH STAR CONSTRUCTION

July 16, 2001

PROJECT: EASEMENT PARK DRAINAGE IMPROVEMENTS / ADDISON

MIX SPECIFICATIONS:

MIX DESIGN NO. 110

APPLICATION: NCTCOG CLASS A
REQUIRED STRENGTH 3000 PSI
PLACEMENT SLUMP 3 INCH +/- 1
W/C RATIO 0.50 LB/LB
AIR CONTENT 4 +/- 1 1/2 %
MAXIMUM TEMPERATURE 190 DEGREES F

MATERIALS	ASTM STANDARDS	WEIGHTS(SSD)	VOLUME
CEMENT	ASTM C150 TYPE I/II	470	2.39
FLYASH	ASTM C618 CLASS C	000	0.00
COARSE AGG.	ASTM C33 SIZE NO. 57	1850	11.06
COARSE AGG.	ASTM C33 SIZE NO.		
LIGHT WEIGHT	ASTM C330	000	
FINE AGG.	ASTM C33	1383	8.43
FINE AGG.	ASTM C33		
ADMIXTURE	ASTM C494 TYPE A or D	3 - 6 oz/cwt	
ADMIXTURE	ASTM C494 TYPE F	00.0	
ADMIXTURE	ASTM C260	.25 - 4 oz/cwt	1.35
WATER		235	<u>3.77</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 I "

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


CARY L. HERRON
TECHNICAL SERVICES DIRECTOR

REDI-MIX, L.P.
GENERAL OFFICE/1445 MacArthur Drive, Suite 138, Carrollton, Texas 75007
PHONE: (972) 242-4550
FAX: (972) 323-0766

REDI-MIX, INC.
 1445 McARTHUR DRIVE, SUITE 196
 CARROLLTON, TX 75007
 (972) 242-4550

Frequency Distribution Analysis
 28 Day Compressive Strength
 Mix: 110 F'c: 3000 psi
 07/16/01

MIX DESCRIPTION

110 ----- 3000 psi ----- 7/16/00

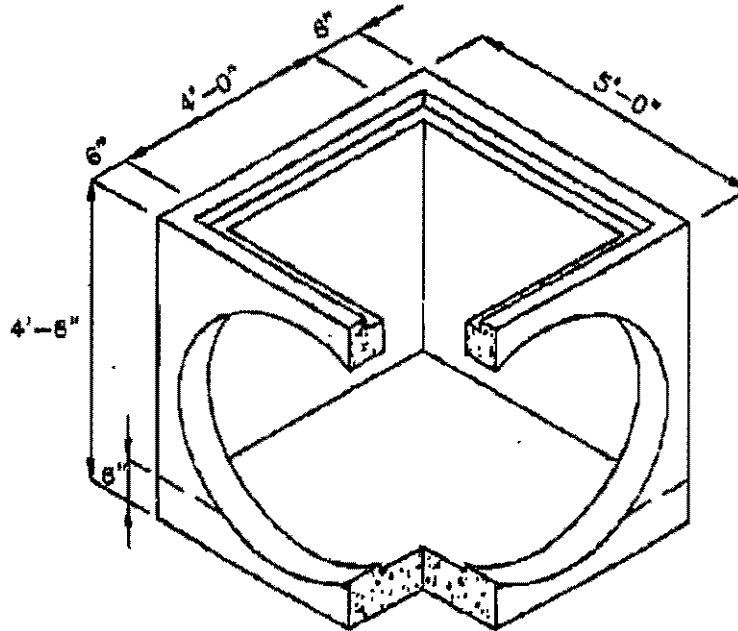
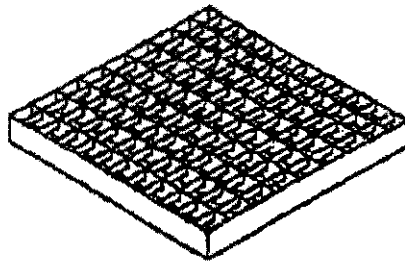
Description : 5 BACC-NBA/ASA - MCR200 CLASS A

Source : MULTI-PLANT

Sample ID	Slump in	Air Cont %	Con Temp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
137439	4.50	5.4	63	3370	4340	-
137453	5.00	4.0	60	3550	4110	-
137459	5.00	4.6	60	3740	4295	4249
109657	5.80	5.1	77	3580	4620	4342
109665	5.00	4.7	74	3960	4900	4635
109677	5.00	5.2	74	3700	4940	4850
109760	5.50	5.9	60	2050	3955	4620
109775	4.75	5.1	69	3430	4465	4447
109785	5.25	4.9	69	3240	4125	4175
109822	5.50	6.1 >	71	3600	4720	4430
109847	5.00	5.0	70	3440	4595	4490
109936	5.25	5.1	71	3020	3990	4435
109952	5.00	4.0	71	3240	4380	4322
100040	5.25	4.9	79	2790	3830	4067
100494	5.00	5.3	74	3150	3825	4012
100511	5.50	5.9	73	3230	3895	3950
100516	5.00	4.0	74	3380	3655	3792
100529	5.25	6.1 >	72	3110	3915	3822
100544	5.00	6.1 >	73	3020	3515	3695
130401	5.00	4.2	71	3570	4395	3942
130409	4.75	5.9	73	3960	4725	4212
130419	5.00	5.1	70	3860	5110	4743
100744	5.00	6.1 >	75	3370	4600	4812
100754	5.80	5.6	74	3900	4100	4609
100762	5.25	5.2	75	3600	5263	4555
130025	5.50	4.6	76	2600	3885	4417
130029	4.75	5.0	75	2860	3975	4375
130040	4.25	4.3	77	3080	4185	4015

Frequency Distribution: 28 Day Compressive Strength

Sample ID	Slump in	Air Cont %	Con Temp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
101243	5.25	4.0	74	3370	4538	4232
H8C95001	5.25	4.0	78	2890	4340	4355
Count	30	30	30	30	30	28
Average	5.09	5.1	72	3358	4309	4307
Standard Deviation	0.30	0.6	5	355	440	318
Range	4.25 5.50	3.9 6.1 >	60 79	2680 3960	3515 5265	3695 4660
Coefficient of Variation	5.98	12.70	6.42	10.58	10.20	7.40



WT.
4'-0"---6000#

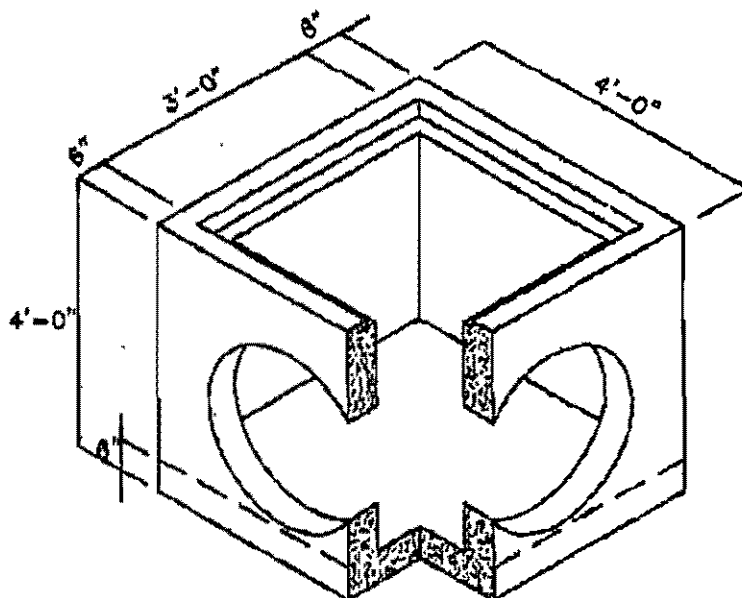
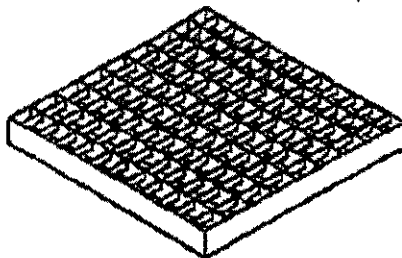
1. CONCRETE: 4500 PSI
2. REINF.: GRADE 80
3. 4'x4' GALV. GRATE
4. EXTENSION SECTIONS AVAILABLE
5. MAX. PIPE SIZE 36" W/
30" IN ADJACENT WALL

04698



CATCH BASIN NO. 4848
4'-0"X4'-0"X4'-0"

American Industrial Pre-Cast Products
P.O. BOX 365 ALVARADO, TEXAS 78009. METRO: 817-477-5286
501 EAST BAXTER SEGUIN, TEXAS 78168 B30-401-0555



WT.
3'-6"---4815#

1. CONCRETE: 4500 PSI
2. REINF.: GRADE 60
3. 3'X3' GALV. GRATE
4. EXTENSION SECTIONS AVAILABLE
12", 24", 36", OR 48"
5. MAX. PIPE SIZE 30"RCP

04698



CATCH BASIN NO. 36
3'-0"x3'-0"x3'-6"

American Industrial Pre-Cast Products
P.O. BOX 385 ALVARADO, TEXAS 76009. METRO: 817-477-5288
501 EAST BAXTER SEGUIN, TEXAS 78155 830-401-0355

Grates - Heavy Duty Part No. GHD - - -	K & B Steel A Div. Of Webb Industries, Inc.
--	---

Required Wheel Loads

Government Specification	Wheel Load	Wheel Load (30% Impact)
UBC-Passenger Car	2,000 #	---
AASHTO-H10 Loading	8,000 #	10,400 #
AASHTO-H15 Loading	12,000 #	16,000 #
AASHTO-H20 Loading	18,000 #	20,800 #

Allowable Wheel Loads On

AASHTO Specs	AISC Specs		
	Load At Allow Working Stress	Load At Yield Stress	Yield Stress 1.7 Safety Factor
15,000#	20,870 #	48,200 #	27,2300 #

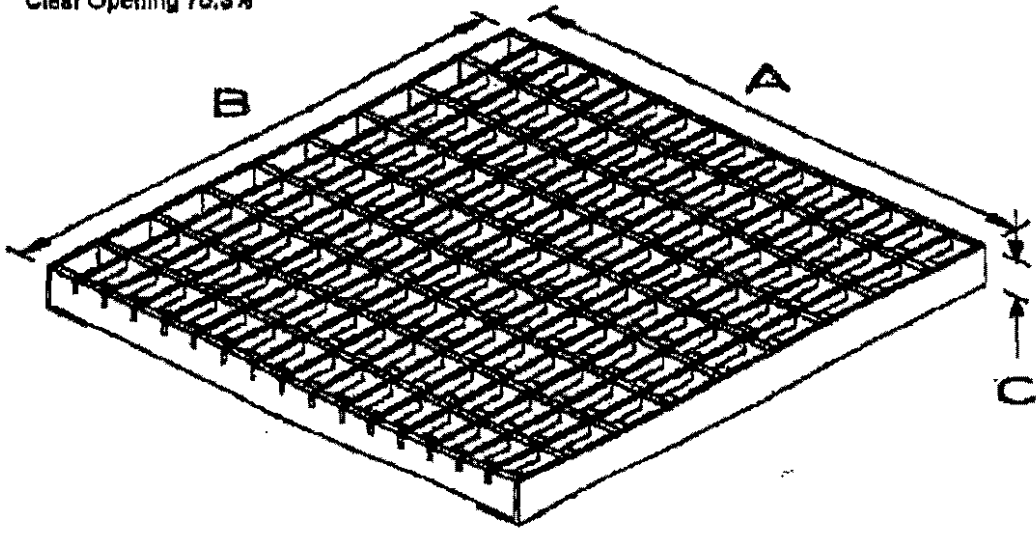
Certificates Upon Request

Grate Sizes

A	B	C
28 1/2"	28 1/2"	3 1/4"
28 1/2"	40 1/2"	3 1/4"
40 1/2"	40 1/2"	3 1/4"
40 1/2"	52 1/2"	3 1/4"
52 1/2"	52 1/2"	3 1/4"
64 1/2"	64 1/2"	3 1/4"

Part No. GHD 1 - 2 3
1 = Galvanized or Primed
2 = Dimension "A"
3 = Dimension "B"

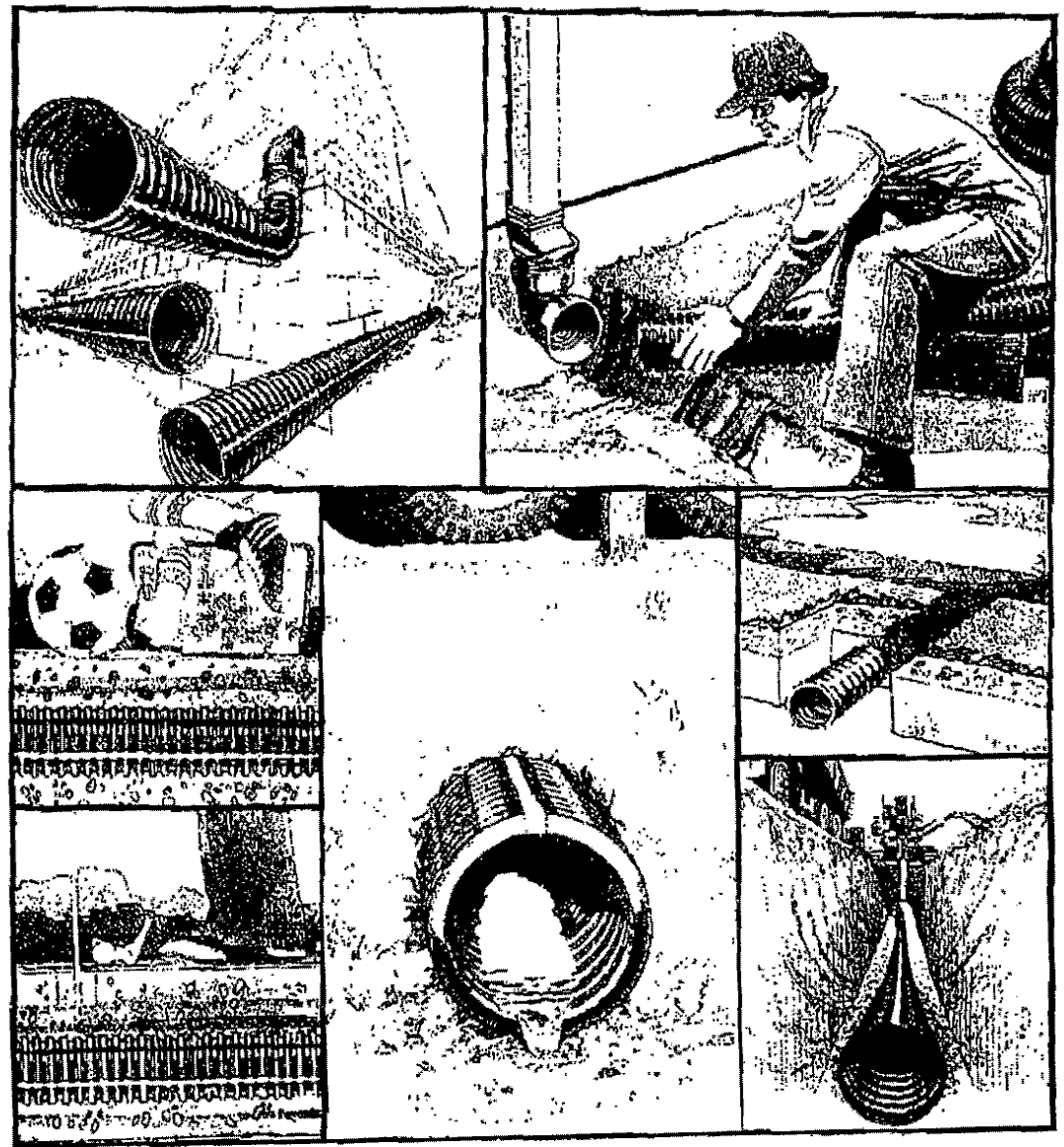
Custom Sizes Upon Request
Clear Opening 76.3%



K & B Steel; Route 1, Box 58 Clarksville; Texas 76426 (803) 427-3980 Fax (803) 427-6617

ADS corrugated polyethylene tubing

02610/ADV
BuyLine 0805



We'll show you dozens of reasons why it's #1 in the land.



Choose ADS tubing

Corrugated polyethylene tubing from Advanced Drainage Systems, Inc. provides years of trouble-free drainage in a wide variety of applications, at a cost of just pennies per foot. Lightweight ADS tubing is available in continuous coiled lengths, or in straight lengths, and is flexible and easy to install, requiring less labor than traditional drainage materials. ADS tubing is manufactured with high density polyethylene resin, a virtually chemically inert material, so it resists corrosion and abrasion, and won't rot, rust or break down during handling.

ADS grain aeration pipe contains specially designed perforations with a durable, knitted polyester "sock" wrap to maximize air flow and prevent restriction of the perforations.

A full line of accessory fittings and couplings help simplify even the most challenging installations.

Residential and Commercial Construction

Ideal for all homesite and commercial drainage, ADS tubing is lighter, easier to handle, and requires less time and equipment to install than PVC, clay, concrete or corrugated metal. ADS snap-on fittings and couplings keep installation time and labor to a minimum.



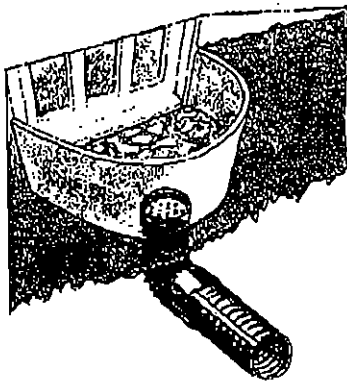
Exterior foundation drains are necessary for both residential and industrial buildings, below the level of the lowest floor, where high water tables and rainwater result in wet basements. These drains are placed to collect and channel water away from footers and basement walls to a suitable outlet.

Interior foundation drains where ground water is a problem. These drains intercept water that otherwise would gain entry through the basement walls or floor.

Downspout run-off drains using corrugated plastic pipe are used to channel water collected in the roof gutters to areas away from the building. These can be discharged into storm sewers, into the curb at the edge of the street, or into other suitable outlets.

Low-spot drainage in lawns or yards can be accomplished using surface inlets and corrugated polyethylene tubing to collect and carry the water to a storm sewer or other disposal area.

Basement window well drainage prevents rainwater from seeping down the foundation wall and entering the basement. This is accomplished by running a length of non-perforated tubing from the drain in the bottom of the wall to the disposal area.

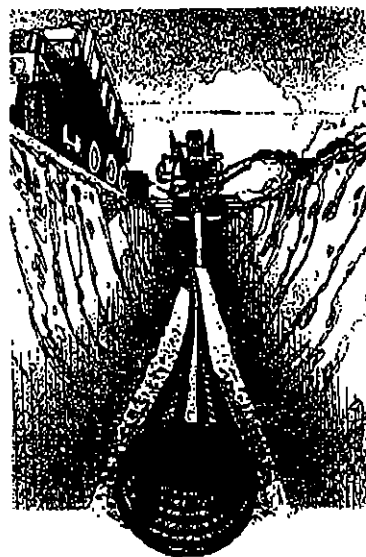


Driveway and sidewalk underdrainage is used to prevent frost damage or pavement deterioration due to unstable bases. Installation of perforated drainage tubing in a bed of gravel allows the water to drain out of the base course and be channeled away from the pavement.

SB2 gravel-less septic system, a recent innovation, is constructed of 8" and 10" tubing encased in a spun bonded nylon mesh material, Drain Guard protective wrap and eliminates the need for gravel. Alternately, of the most common methods for home wastewater disposal are septic tank leach fields utilizing 4" ADS tubing, which features virtual immunity to the corrosive environment found in septic tank leach fields.

Highways and Roads

Excess water in the subbase of highway pavements is the leading cause of pavement failures; the adverse effects of inadequate drainage are evident in highways which begin to deteriorate after only two to three years. ADS corrugated polyethylene berm and underdrains collect and remove excess subbase water and reduce pavement damage. Continuous lengths require fewer fittings and connections and less labor to install.



for a variety of applications.

02610/ADV
BuyLine 0805

Culverts

Culverts are easily drained with ADS culvert pipe; it is lighter and easier to handle and install than clay, concrete or corrugated metal, resulting in reduced labor costs. ADS culvert pipe has excellent load bearing strength, meeting the toughest requirements. It is approved by most state departments of transportation, and many county and local regulatory agencies. ADS culvert pipe is available in 10", 12", 15", 18" and 24" diameters, in 20' standard lengths.

Parking Lots

The durability of ADS tubing makes it especially suitable for parking lot applications. Excellent collection qualities enable ADS tubing to resist critical loading conditions without damage.

Airport Runways

Airport runways suffer from the same water-related problems as highways and roads. Whereas corrugated steel, concrete or clay pipe have been widely used in the past, corrugated polyethylene tubing has recently been approved by the Federal Aviation Administration for use as collector systems, drive-ways and runway underdrains.



Golf Courses

Golf courses are kept lush, green and playable with ADS tubing. ADS tubing resists rot and is flexible, so it follows ground contours and adapts to underground obstacles. It's adaptable to a wide range of soil conditions, including sand traps that collect water or are subject to erosion. Proper installation is an important factor, and ADS provides detailed installation recommendations for every type of soil and topographical condition.

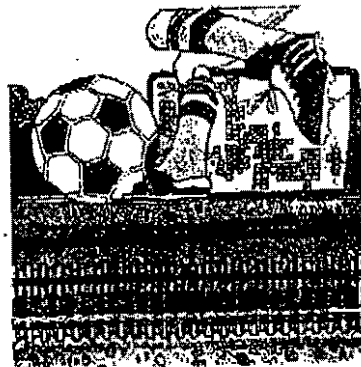
Athletic/Recreational

Strong and durable ADS tubing provides year after year of reliable drainage with minimal maintenance, to keep landscapes as hardy as they are beautiful. Slope drainage is easy with ADS. In sandy or other problem soils, ADS Drain Guard keeps drains flowing. In the case of athletic fields and other places where it is desirable to use the areas as soon as possible after a down-pour, the ADS drainage system provides runoff that keeps up with rainfall.

Utility Companies

Public utilities and manufacturing companies have experienced problems with excess water in coal handling and storage operation. In the winter, freezing of wet coal is a problem, while during the warmer months, coal piles often must be sprayed with water to reduce coal dust and eliminate spontaneous combustion.

The ADS drainage system utilizing corrugated polyethylene tubing under the coal pile is an effective means of removing excess water. Filter protective wrap is required to prevent particles of soil or coal from entering the tubing.



Mining

ADS tubing offers low cost of installation plus excellent performance in corrosive and abrasive environments, solving mine-related water problems. These include drainage of coal piles, hollow-tills, earth dams, dam overflows, air ducts, deep shaft mines, sedimentation ponds, and roads.

Railroads

Poor railroad drainage often results in an unstable subbase and unsafe conditions. ADS tubing is used on new projects as well as to correct problems caused by excess water in existing railbeds. ADS performs under severe loading applications, making it ideal for railroad bed drainage.

Grain/Commodity Aeration

ADS aeration pipe can be easily adapted to all types of grain storage facilities (temporary as well as permanent), including metal buildings, round silos and wooden bins, resulting in uniform air flow.

Technical Notes

ADS corrugated polyethylene tubing is structurally designed to be used as culvert pipe and for other heavy duty drainage applications. This corrugated pipe may also be adapted to other drainage needs.

Applicable Specifications and Installation Guidelines

1. ASTM F 405, Standard Specification for Corrugated Polyethylene Tubing and Fittings.
2. ASTM F 667, Standard Specification for Large Diameter Corrugated Polyethylene Tubing and Fittings.
3. AASHTO M 252, Standard Specification for Polyethylene Corrugated Drainage Tubing.
4. AASHTO M 294, Standard Specification for Corrugated Polyethylene Pipe, 12" to 24" diameter.
5. ADS Installation Guidelines for Culvert and Other Heavy-Duty Drainage Applications.

Look for the ADS
green stripe.

It's your sign of quality—
#1 in the land.

ADS
ADVANCED DRAINAGE SYSTEMS, INC.

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

Date: July 13, 2001

Time: 2:00 pm

Client: Town of Addison

Type of Meeting: Preconstruction Conf

Project: Easement Park Drainage Improvements

ATTENDANCE SHEET

	<u>Name</u>	<u>Representing</u>	<u>Phone Number</u>	<u>Fax Number</u>
1.	<u>John Birkhoff</u>	<u>Shimek, Jacobs & Finklea, L.L.P.</u>	<u>(214) 361-7900</u>	<u>(214) 361-0204</u>
2.	<u>Luke Jalbert</u>	<u>Town of Addison</u>	<u>(972)-450-2866</u>	<u>(972)-450-2834</u>
3.	<u>Larry Smith</u>	<u>Northstar Const.</u>	<u>817 367-3110</u>	<u>(817) 367-0510</u>
4.	<u>MIKE HEIMLICH</u>	<u>NORTHSTAR CONST., INC.</u>	<u>817-980-7078</u>	<u>" "</u>
5.	<u>Jim Pierce</u>	<u>Addison</u>	<u>972-450-2879</u>	<u>" " 2837</u>
6.	<u>DAVE WILDE</u>	<u>Town of Addison</u>	<u>972-450-2847</u>	<u>2837</u>
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
11.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
12.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
13.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
14.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
15.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
16.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
17.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
18.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
19.	<u> </u>	<u> </u>	<u> </u>	<u> </u>
20.	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Northstar Construction, Inc.
309 Birchwood Lane
Ft. Worth, Texas 76108

Office: 817-367-3110
Fax: 817-367-0510

Fax

To: Luke Jalbert	From: Mike Heimlich
Fax: (972) 450-2837	Pages: 15 (incl. cover)
Phone: (972) 450-2880	Date: 07/18/01
Re: Easement Park Drainage	CC:
Submittals	

Urgent For Review Please Comment Please Reply Please Recycle

● **Comments.**

Luke,

Originals in the mail today.

<< Interrupted Transmission >>

Northstar Construction, Inc.
309 Birchwood Lane
Ft. Worth, Texas 76108

Office: 817-367-3110
Fax: 817-367-0510

Fax

To: Luke Jalbert	From: Mike Heimlich
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Phone: (972) 450-2880	Date: 07/18/01
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● **Comments**

Luke,

Originals in the mail today.

★ NORTHSTAR CONSTRUCTION, INC. ★
GENERAL CONTRACTOR

309 BIRCHWOOD LANE
Ft. WORTH, TEXAS 76109

OFFICE : (817) 367-3110
FAX : (817) 367-0510

LETTER OF TRANSMITTAL

To : Town Of Addison
Public Works Department
16801 Westgrove
Addison, Texas 75001

Date : July 17, 2001
Attn : Mr. Luke Jalbert
Project Manager
Re : Easement Park Drainage Impr.
Bid No. 01-30

WE ARE SENDING YOU : Attached

Under Separate Cover via the
Following _____

Submittals
 Samples

Prints
 Specifications

Shop Drawings
 Other

COPIES	DATE	DESCRIPTION
3	7/16/01	Trench Safety Design
3	7/16/01	Concrete Mix Designs
3	7/16/01	Pre-Cast Grate Inlet Shop Drawings
3	7/17/01	ADS Polyethylene Tubing Data Sheets

THESE ARE TRANSMITTED (as checked below) :

For Approval Approved As Submitted Resubmit _____ Copies For Approval
 For Your Use Approved As Noted Submit _____ Copies For Distribution
 As Requested Returned For Corrections Return _____ Corrected Prints
 For Review & Comment

COMMENTS : _____

COPY TO : _____

BY : Michael A. Heimlich
Michael A. Heimlich
Vice President

TRENCH SAFETY DESIGN

FOR USE AT

EASEMENT PARK DRAINAGE IMPROVEMENTS

TOWN OF ADDISON

PREPARED FOR

NORTHSTAR CONSTRUCTION, INC.

JULY 16, 2001

**Michael A. Heimlich, P.E.
Texas Registration #71319**

TRENCH SAFETY DESIGN

NORTHSTAR CONSTRUCTION, INC.

Introduction

This Trench Safety Design is for use during construction of storm drainage improvements to Easement Park in the Town Of Addison.

The primary method of providing trench safety for this project will be the Sidewall Layback Method. Trench shields may also be used if the need arises. This design applies to trenches exceeding 5 feet in depth, or to trenches less than 5 feet in depth where the possibility for cave-in exists.

Soil Characteristics

This soil will likely be classified Type B based on field observation. However, the presence of seeping water from the irrigation system could result in a Type C classification.

Trench Safety Design

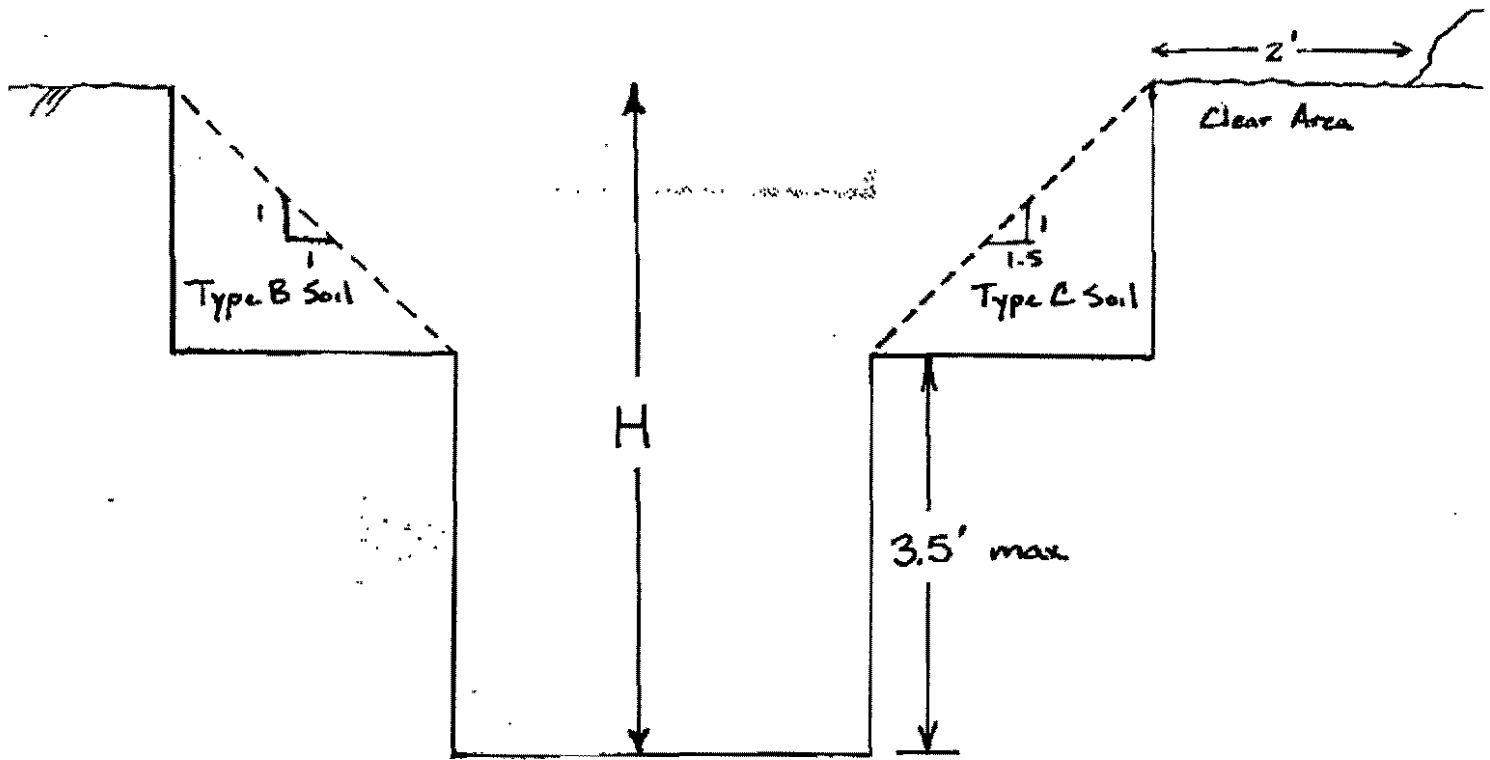
- A. "Occupational Safety and Health Standards for Construction" (29 CFR 1926 Standards) are incorporated by reference.
- B. Sidewall Layback Method - Generally, laybacks will be in accordance with Appendix B to Subpart P, of 29 CFR, Part 1926.
- C. Trench Shield Method - Trench shields will be installed per 1926.652(g) "Shield Systems" of 29 CFR, Part 1926. If this method is deemed necessary, trench shield certification data will be submitted by local equipment company providing shields.

General

- A. Ladders shall be installed in all trenches 4 feet or more in depth. A ladder will be within 20 feet of all personnel and will extend 4 feet above natural ground.
- B. Two feet minimum adjacent to the ditch will be kept clear of excavated material.

Site Specific

The maximum trench depth anticipated for this project is 6 feet and the total length of trench excavation is approximately 370 feet. The planned method of providing trench safety is to bench the sidewalls as shown on the attached sketch. However, if obstructions such as other utilities trees, or landscaping features prohibit adequate space for benching, trench shields will be utilized.



SIMPLE BENCH METHOD
(when $H \geq 5'0''$)

PROJECT : EASEMENT PARK DRAINAGE IMPROVEMENTS

CONTRACTOR : NORTHSTAR CONSTRUCTION, INC.



CLIENT: NORTH STAR CONSTRUCTION

July 16, 2001

PROJECT: EASEMENT PARK DRAINAGE IMPROVEMENTS / ADDISON

MLX SPECIFICATIONS:

MIX DESIGN NO. 110

APPLICATION: NCTCOG CLASS A
REQUIRED STRENGTH 3000 PSI
PLACEMENT SLUMP 3 INCH +/- 1
W/C RATIO 0.50 LB/LB
AIR CONTENT 4 +/- 1 1/2 %
MAXIMUM TEMPERATURE 100 DEGREES F

MATERIALS	ASTM STANDARDS	WEIGHTS(SSD)	VOLUME
CEMENT	ASTM C150 TYPE I/II	470	2.39
FLYASH	ASTM C618 CLASS C	000	0.00
COARSE AGG.	ASTM C33 SIZE NO. 57	1850	11.06
COARSE AGG.	ASTM C33 SIZE NO.		
LIGHT WEIGHT	ASTM C330	000	
FINE AGG.	ASTM C33	1383	8.43
FINE AGG.	ASTM C33		
ADMIXTURE	ASTM C494 TYPE A or D	3 - 6 oz/cwt	
ADMIXTURE	ASTM C494 TYPE F	00.0	
ADMIXTURE	ASTM C260	.25 - 4 oz/cwt	1.35
WATER		235	3.77
			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 1."

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


GARY L. HERRON
TECHNICAL SERVICES DIRECTOR

REDI-MIX, L.P.
GENERAL OFFICE/1445 MacArthur Drive, Suite 138, Carrollton, Texas 75007
PHONE: (972) 242-4550
FAX: (972) 323-0789

EMOI-MIX, INC.
 1445 MACARTHUR DRIVE, SUITE 196
 CARROLLTON, TX 75007
 (972) 242-4550

Frequency Distribution Analysis
 28 Day Compressive Strength
 Mix: 110 F'c: 3000 psi
 07/16/01
 MIX DESCRIPTION

110 ----- 3000 psi ----- 7/16/00

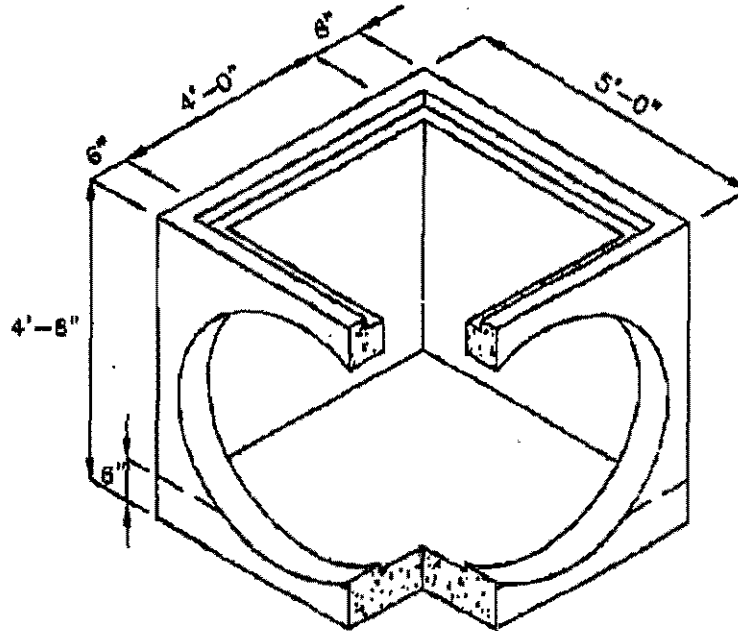
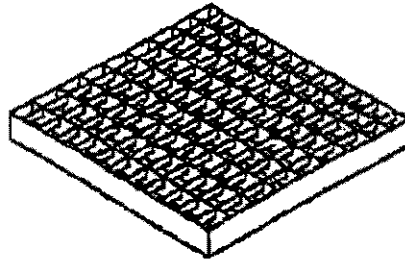
Description : 5 BAGG-WRA/AEA - NCTCOG CLASS A

Source : MULTI-PLANT

Sample ID	Slump in	Air Cont %	Con Temp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
137439	4.50	5.4	63	3370	4340	-
137453	5.00	4.6	60	3550	4110	-
137459	5.00	4.6	60	3740	4295	4248
109657	5.50	5.1	77	3580	4620	4342
109665	5.00	4.7	74	3960	4990	4635
109677	5.00	5.2	74	3700	4940	4850
109768	5.50	5.9	68	2950	3955	4628
109775	4.75	5.1	69	3430	4445	4447
109785	5.25	4.9	69	3240	4125	4175
109822	5.50	6.1 >	71	3600	4720	4430
109847	5.00	5.0	70	3440	4595	4480
109936	5.25	5.1	71	3020	3990	4435
109952	5.00	4.8	71	3240	4380	4322
100040	5.25	4.9	79	2790	3830	4067
100494	5.00	5.3	74	3150	3825	4012
100511	5.50	5.9	73	3230	3895	3850
100518	5.00	4.8	74	3380	3655	3792
100529	5.25	6.1 >	72	3110	3915	3822
100544	5.00	6.1 >	73	3020	3515	3695
138401	5.00	4.2	71	3570	4395	3942
138409	4.75	3.9	73	3960	4725	4212
138419	5.00	5.1	70	3860	5110	4743
100744	5.00	6.1 >	75	3370	4600	4812
100754	5.50	5.6	74	3300	4100	4609
100762	5.25	5.2	75	3600	5265	4655
138825	5.50	4.6	76	2680	3885	4417
138829	4.75	5.0	75	2860	3975	4375
138840	4.25	4.3	77	3880	4195	4015

Frequency Distribution: 28 Day Compressive Strength

Sample ID	Slump in	Air Cont %	Con Temp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
101243	5.25	4.0	74	3270	4535	4232
NBC95001	5.25	4.0	76	2690	4340	4353
Count	30	30	30	30	30	26
Average	5.09	5.1	72	3358	4309	4307
Standard Deviation	0.30	0.6	5	355	440	312
Range	4.25 5.50	3.9 6.1 >	60 79	2680 3960	3515 5265	3695 4650
Coefficient of Variation	5.98	12.70	6.42	10.58	10.20	7.40



WT.
4'-0" -- 6000#

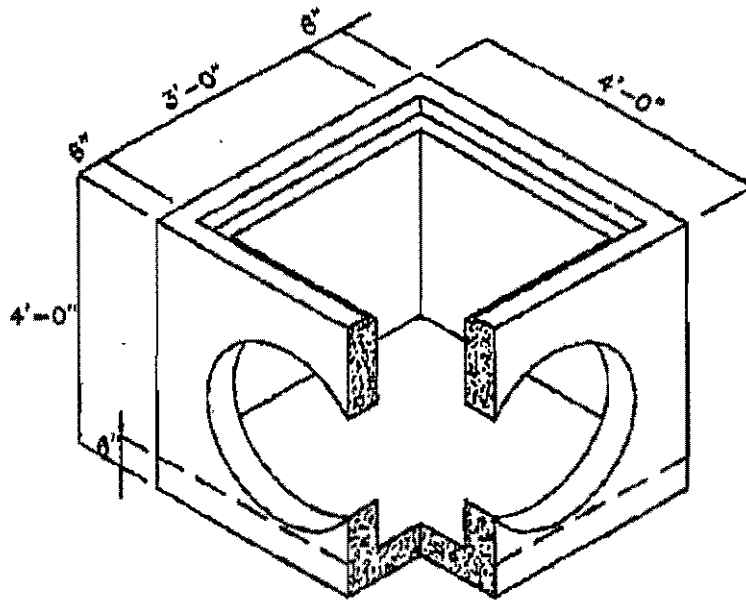
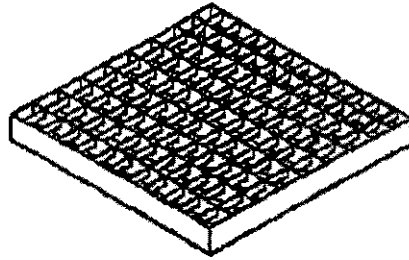
1. CONCRETE: 4500 PSI
2. REINF.: GRADE 60
3. 4'X4' GALV. GRATE
4. EXTENSION SECTIONS AVAILABLE
5. MAX. PIPE SIZE 36" W/
30" IN ADJACENT WALL

04698



CATCH BASIN NO. 4848
4'-0"X4'-0"X4'-0"

American Industrial Pre-Cast Products
P.O. BOX 365 ALVARADO, TEXAS 78009. METRO: 817-477-5286
501 EAST BAXTER SEGUIN, TEXAS 78156 830-401-0555



WT.
3'-6"---4815#

1. CONCRETE: 4500 PSI
2. REINF.: GRADE 60
3. 3'x3' GALV. GRATE
4. EXTENSION SECTIONS AVAILABLE
12", 24", 36", OR 48"
5. MAX. PIPE SIZE 30"RCP

04698



CATCH BASIN NO. 36
3'-0"x3'-0"x3'-6"

American Industrial Pre-Cast Products
P.O. BOX 365 ALVARADO, TEXAS 78008. METRO: 817-477-5286
501 EAST BAXTER SEGUIN, TEXAS 78155 830-401-0555

Grates - Heavy Duty Part No. GHD _ _ _	K & B Steel A Div. Of Wabb Industries, Inc.
--	---

Required Wheel Loads

Government Specification	Wheel Load	Wheel Load (30% Impact)
UBC-Passenger Car	2,000 #	
AASHTO-H10 Loading	8,000 #	10,400 #
AASHTO-H15 Loading	12,000 #	15,600 #
AASHTO-H20 Loading	16,000 #	20,800 #

Allowable Wheel Loads On

AASHTO Specs	AISC Specs		
	Load AT Allow Working Stress	Load At Yield Stress	Yield Stress 1.7 Safety Factor
15,000#	20,870 #	48,280 #	27,2300 #

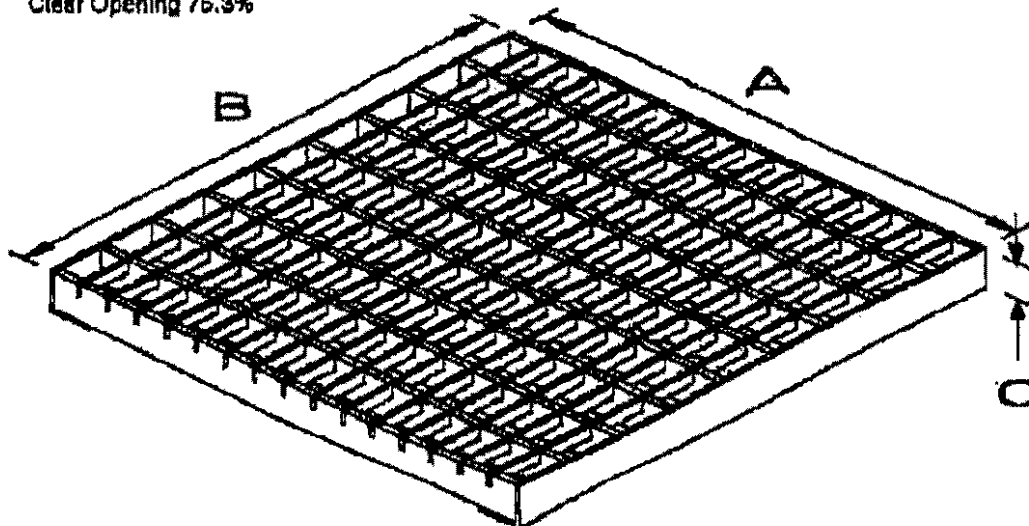
Certificates Upon Request

Grate Sizes

A	B	C
28 1/2"	28 1/2"	3 1/4"
28 1/2"	40 1/2"	3 1/4"
40 1/2"	40 1/2"	3 1/4"
40 1/2"	62 1/2"	3 1/4"
62 1/2"	62 1/2"	3 1/4"
64 1/2"	64 1/2"	3 1/4"

Part No. GHD 1 - 2 3
1 = Galvanized or Primed
2 = Dimension "A"
3 = Dimension "B"

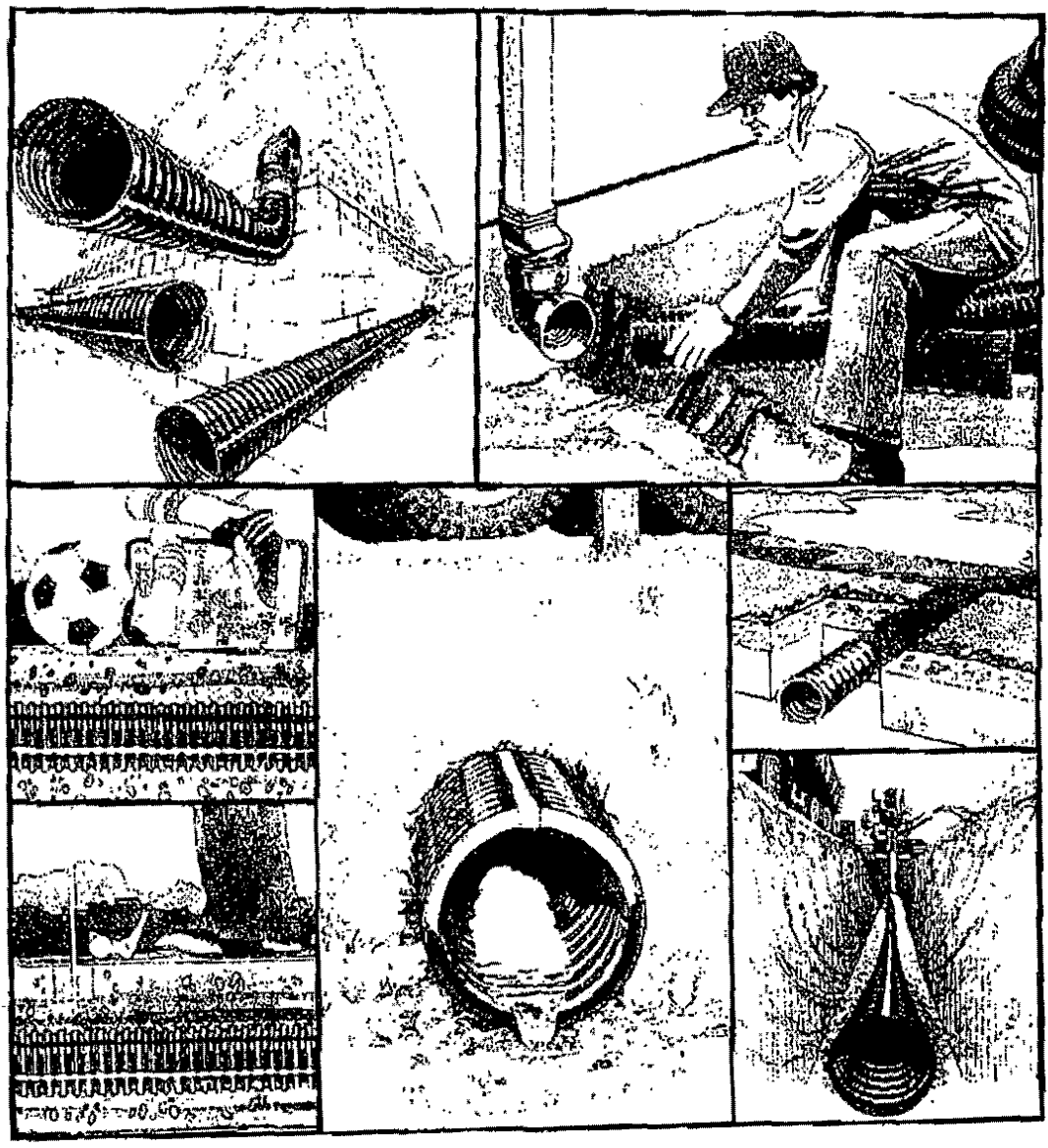
Custom Sizes Upon Request
Clear Opening 75.3%



K & B Steel; Route 1, Box 58 Clarksville; Texas 76426 (803) 427-3980 Fax (803) 427-8817

ADS corrugated polyethylene tubing

02610/ADV
BuyLine 0805



We'll show you dozens of reasons why it's #1 in the land.



Choose ADS tubing

Corrugated polyethylene tubing from Advanced Drainage Systems, Inc. provides years of trouble-free drainage in a wide variety of applications, at a cost of just pennies per foot. Lightweight ADS tubing is available in continuous coiled lengths, or in straight lengths and is flexible and easy to install, requiring less labor than traditional drainage materials. ADS tubing is manufactured with high density polyethylene resin, a virtually chemically inert material, so it resists corrosion and abrasion, and won't rot, rust or break down during handling.

ADS drain perforation pipe contains specially designed perforations with a durable, knitted polyester "sock" wrap to maximize air flow and prevent restriction of the perforations.

A full line of accessory fittings and couplings help simplify even the most challenging installations.

Residential and Commercial Construction

Ideal for all home-site and commercial drainage, ADS tubing is lighter, easier to handle, and requires less time and equipment to install than PVC, clay, concrete or corrugated metal. ADS snap-on fittings and couplings keep installation time and labor to a minimum.



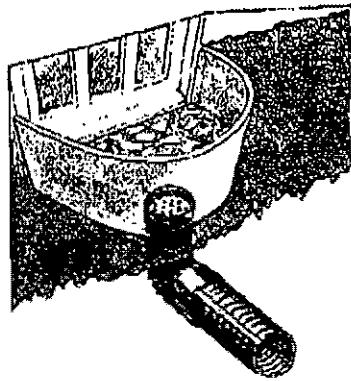
Exterior foundation drains are necessary for both residential and industrial buildings, below the level of the lowest floor, where high water tables and rain-water result in wet basements. These drains are placed to collect and channel water away from footers and basement walls to a suitable outlet.

Interior foundation drains where ground water is a problem. These drains intercept water that otherwise would gain entry through the basement walls or floor.

Downspout run-off drains using corrugated plastic pipe are used to channel water collected in the roof gutters to areas away from the building. These can be discharged into storm sewers, into the curb at the edge of the street, or into other suitable outlets.

Low-spot drainage in lawns or yards can be accomplished using surface inlets and corrugated polyethylene tubing to collect and carry the water to a storm sewer or other disposal area.

Basement window well drainage prevents rainwater from seeping down the foundation wall and entering the basement. This is accomplished by running a length of non-perforated tubing from the drain in the bottom of the well to the disposal area.

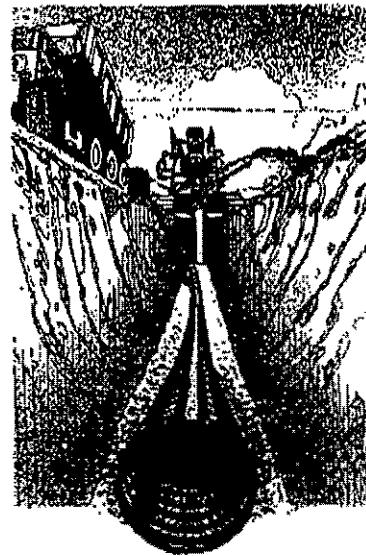


Driveway and sidewalk underdrainage is used to prevent frost damage or pavement deterioration due to unstable bases. Installation of perforated drainage tubing in a bed of gravel allows the water to drain out of the base course and be channeled away from the pavement.

S&S gravel-less septic system, a recent innovation, is constructed of 8" and 10" tubing encased in a spun bonded nylon mesh material, Drain Guard protective wrap and eliminates the need for gravel. Alternately, of the most common methods for home wastewater disposal are septic tank leach fields utilizing 4" ADS tubing, which features virtual immunity to the corrosive environment found in septic tank leach fields.

Highways and Roads

Excess water in the subbase of highway pavements is the leading cause of pavement failures; the adverse effects of inadequate drainage are evident in highways which begin to deteriorate after only two to three years. ADS corrugated polyethylene berm and underdrains collect and remove excess sub-base water and reduce pavement damage. Continuous lengths require fewer fittings and connections and less labor to install.



for a variety of applications.

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Culverts are easily drained with ADS culvert pipe; it is lighter and easier to handle and install than clay, concrete or corrugated metal, resulting in reduced labor costs. ADS culvert pipe has excellent load bearing strength, meeting the toughest requirements. It is approved by most state departments of transportation, and many county and local regulatory agencies. ADS culvert pipe is available in 10", 12", 15", 18" and 24" diameters, in 20' standard lengths.

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The durability of ADS tubing makes it especially suitable for parking lot applications. Excellent collection qualities enable ADS tubing to resist critical loading conditions without damage.

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Golf courses are kept lush, green and playable with ADS tubing. ADS tubing resists rot and is flexible, so it follows ground contours and adapts to underground obstacles. It's adaptable to a wide range of soil conditions, including sand traps that collect water or are subject to erosion. Proper installation is an important factor, and ADS provides detailed installation recommendations for every type of soil and topographical condition.

Athletic/Recreational

Strong and durable ADS tubing provides year after year of reliable drainage with minimal maintenance, to keep landscapes as hardy as they are beautiful. Slope drainage is easy with ADS. In sandy or other problem soils, ADS Drain Guard keeps drains flowing, in the case of athletic fields and other places where it is desirable to use the areas as soon as possible after a down-pour, the ADS drainage system provides runoff that keeps up with rainfall.

Utility Companies

Public utilities and manufacturing companies have experienced problems with excess water in coal handling and storage operation. In the winter, freezing of wet coal is a problem, while during the warmer months, coal piles often must be sprayed with water to reduce coal dust and eliminate spontaneous combustion.

The ADS drainage system utilizing corrugated polyethylene tubing under the coal pile is an effective means of removing excess water. Filter protective wrap is required to prevent particles of soil or coal from entering the tubing.



Mining

ADS tubing offers low cost of installation plus excellent performance in corrosive and abrasive environments, solving mine-related water problems. These include drainage of coal piles, hollow-tills, earth dams, dam overflows, air ducts, deep shaft mines, sedimentation ponds, and roads.

Railroads

Poor railbed drainage often results in an unstable subbase and unsafe conditions. ADS tubing is used on new projects as well as to correct problems caused by excess water in existing railbeds. ADS performs under severe loading applications, making it ideal for railroad bed drainage.

Grain/Commodity Aeration

ADS aeration pipe can be easily adapted to all types of grain storage facilities (temporary as well as permanent), including metal buildings, round silos and wooden bins, resulting in uniform air flow.

Technical Notes

ADS corrugated polyethylene tubing is structurally designed to be used as culvert pipe and for other heavy duty drainage applications. This corrugated pipe may also be adapted to other drainage needs.

Applicable Specifications and Installation Guidelines

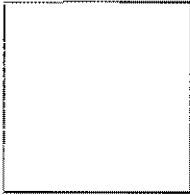
1. ASTM F 405, Standard Specification for Corrugated Polyethylene Tubing and Fittings.
2. ASTM F 667, Standard Specification for Large Diameter Corrugated Polyethylene Tubing and Fittings.
3. AASHTO M 252, Standard Specification for Polyethylene Corrugated Drainage Tubing.
4. AASHTO M 294, Standard Specification for Corrugated Polyethylene Pipe, 12" to 24" diameter.
5. ADS Installation Guidelines for Culvert and Other Heavy-Duty Drainage Applications.

Look for the ADS
green stripe.

It's your sign of quality—
#1 in the land.

ADS

ADVANCED DRAINAGE SYSTEMS, INC.



SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820 Dallas, Texas 75225-5816 Fax (214) 361-0204 Phone (214) 361-7900

RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

April 18, 2001

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

Re: Easement Park Drainage Improvements

Dear Mr. Chutchian:

We are enclosing one set of the preliminary construction plans for the first phase of the drainage improvements in Easement Park for your review and comment. Upon completion of your review, please notify us of your comments.

From the water main locator sheets provided by Addison, we have located on the construction plans the approximate location of an existing 8-inch water main in Easement Park. We were unable to determine the exact location of this 8-inch water main. To avoid conflict with this existing water main, we request the water main be dug up or potholed and the location and elevation be determined.

done on 4/25/01

Grading and landscaping plans have been omitted from the current set of construction plans. Upon completion of your review of the preliminary plans and the location of the existing water main established, these sheets will be completed and added to the construction plan set.

We are also enclosing a copy of a brochure for a product called Draincore from Invisible Structures, Inc. This Draincore product could provide a solution for the 0.76-acre drainage area. The Draincore system could be connected to the proposed grate inlet shown in the phase one improvements and would alleviate the need for concrete flumes between homes in the Les Lacs Garden Homes subdivision. Please review this brochure and advise whether this is an application that the Town would like to consider in this design.

We are available to discuss this project further at your convenience.

Sincerely,

John W. Birkhoff, P.E.

Enclosures

★ **NORTHSTAR CONSTRUCTION, INC.** ★

GENERAL CONTRACTOR

309 BIRCHWOOD LANE
FT. WORTH, TEXAS 76108

OFFICE: (817) 367-3110
FAX: (817) 367-0510

LETTER OF TRANSMITTAL

To: Town Of Addison
Public Works Department
16801 Westgrove
Addison, Texas 75001

Date: July 17, 2001
Attn: Mr. Luke Jalbert
Project Manager
Re: Easement Park Drainage Impr.
Bid No. 01-30

WE ARE SENDING YOU : Attached

Under Separate Cover via the
Following _____

Submittals
 Samples

Prints
 Specifications

Shop Drawings
 Other

COPIES	DATE	DESCRIPTION
3	7/16/01	Trench Safety Design
3	7/16/01	Concrete Mix Designs
3	7/16/01	Pre-Cast Grate Inlet Shop Drawings
3	7/17/01	ADS Polyethylene Tubing Data Sheets

THESE ARE TRANSMITTED (as checked below) :

For Approval Approved As Submitted Resubmit ___ Copies For Approval
 For Your Use Approved As Noted Submit ___ Copies For Distribution
 As Requested Returned For Corrections Return ___ Corrected Prints
 For Review & Comment

COMMENTS : _____

COPY TO : _____

BY: Michael A. Heimlich
Michael A. Heimlich
Vice President

TRENCH SAFETY DESIGN

FOR USE AT
EASEMENT PARK DRAINAGE IMPROVEMENTS
TOWN OF ADDISON

PREPARED FOR
NORTHSTAR CONSTRUCTION, INC.

JULY 16, 2001



Michael A. Heimlich, P.E.
Texas Registration #71319

Michael A. Heimlich
7/16/01

TRENCH SAFETY DESIGN

NORTHSTAR CONSTRUCTION, INC.

Introduction

This Trench Safety Design is for use during construction of storm drainage improvements to Easement Park in the Town Of Addison.

The primary method of providing trench safety for this project will be the Sidewall Layback Method. Trench shields may also be used if the need arises. This design applies to trenches exceeding 5 feet in depth, or to trenches less than 5 feet in depth where the possibility for cave-in exists.

Soil Characteristics

This soil will likely be classified Type B based on field observation. However, the presence of seeping water from the irrigation system could result in a Type C classification.

Trench Safety Design

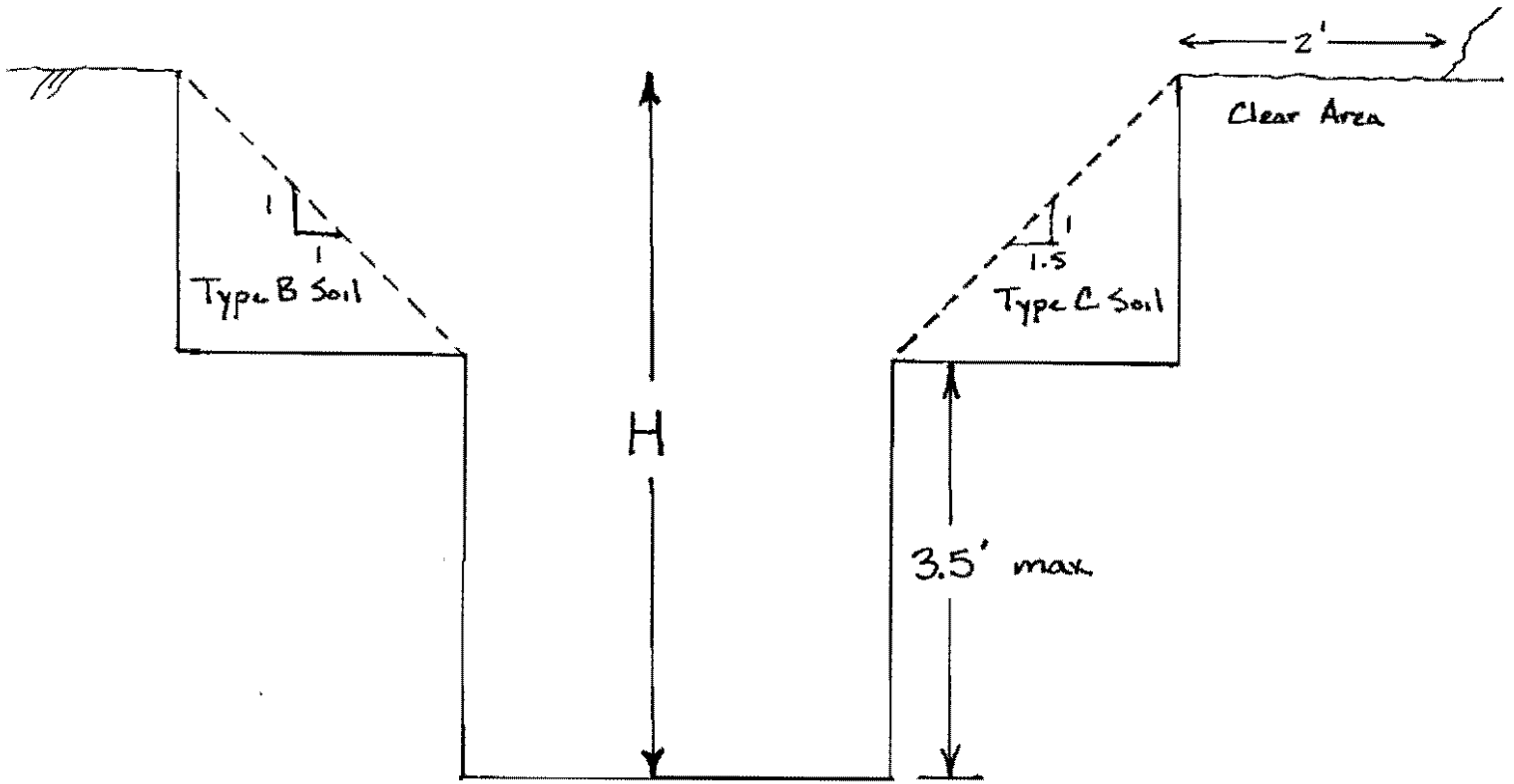
- A. "Occupational Safety and Health Standards for Construction" (29 CFR 1926 Standards) are incorporated by reference.
- B. Sidewall Layback Method - Generally, laybacks will be in accordance with Appendix B to Subpart P, of 29 CFR, Part 1926.
- C. Trench Shield Method - Trench shields will be installed per 1926.652(g) "Shield Systems" of 29 CFR, Part 1926. If this method is deemed necessary, trench shield certification data will be submitted by local equipment company providing shields.

General

- A. Ladders shall be installed in all trenches 4 feet or more in depth. A ladder will be within 20 feet of all personnel and will extend 4 feet above natural ground.
- B. Two feet minimum adjacent to the ditch will be kept clear of excavated material.

Site Specific

The maximum trench depth anticipated for this project is 6 feet and the total length of trench excavation is approximately 370 feet. The planned method of providing trench safety is to bench the sidewalls as shown on the attached sketch. However, if obstructions such as other utilities trees, or landscaping features prohibit adequate space for benching, trench shields will be utilized.



SIMPLE BENCH METHOD
(when $H \geq 5'0''$)

PROJECT: EASEMENT PARK DRAINAGE IMPROVEMENTS

CONTRACTOR: NORTHSTAR CONSTRUCTION, INC.

REDI-MIX

CONCRETE

CLIENT: NORTH STAR CONSTRUCTION

July 16, 2001

PROJECT: EASEMENT PARK DRAINAGE IMPROVEMENTS / ADDISON

MIX SPECIFICATIONS:

MIX DESIGN NO. 110

APPLICATION: NCTCOG CLASS A
REQUIRED STRENGTH: 3000 PSI
PLACEMENT SLUMP: 3 INCH +/- 1
W/C RATIO: 0.50 LB/LB
AIR CONTENT: 4 +/- 1 1/2 %
MAXIMUM TEMPERATURE: 100 DEGREES F

<u>MATERIALS</u>	<u>ASTM STANDARDS</u>	<u>WEIGHTS(SSD)</u>	<u>VOLUME</u>
CEMENT	ASTM C150 TYPE I/II	470	2.39
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 C330	000	
FINE AGG. FINE AGG.	ASTM C33 ASTM C33	1383	8.43
ADMIXTURE	ASTM C494 TYPE A or D	3 - 6 oz/cwt	
ADMIXTURE	ASTM C494 TYPE F	00.0	
ADMIXTURE	ASTM C260	.25 - 4 oz/cwt	1.35
WATER		235	<u>3.71</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 I "

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



GARY L. HERRON
TECHNICAL SERVICES DIRECTOR

REDI-MIX, L.P.
GENERAL OFFICE/1445 MacArthur Drive, Suite 136, Carrollton, Texas 75007
PHONE: (972) 242-4550
FAX: (972) 323-0769

REDI-MIX, INC.
 1445 MacARTHUR DRIVE, SUITE 136
 CARROLLTON, TX 75007
 (972) 242-4550

Frequency Distribution Analysis
 28 Day Compressive Strength
 Mix: 110 F'c: 3000 psi
 07/16/01
 MIX DESCRIPTION

110 ----- 3000 psi ----- 7/16/00

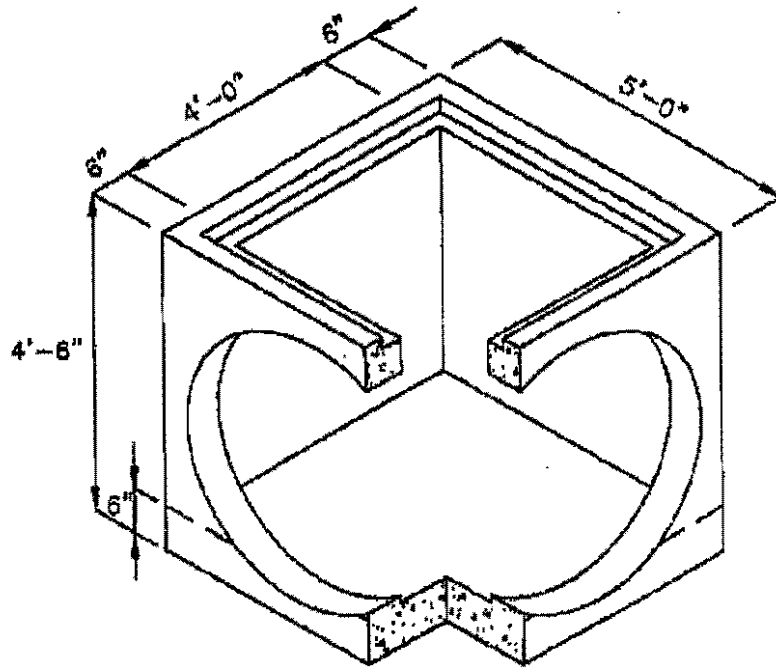
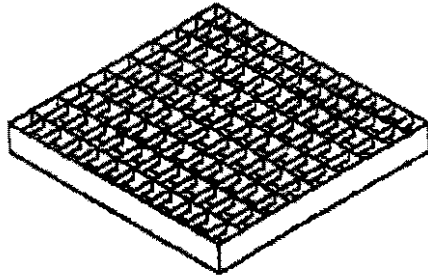
Description : 5 BACK-WRA/AREA - NCTCOG CLASS A

Source : MULTI-PLANT

Sample ID	Slump in	Air Cont %	Con Temp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
137439	4.50	5.4	63	3370	4340	-
137453	5.00	4.8	60	3550	4110	-
137459	5.00	4.6	60	3740	4295	4248
109657	5.50	5.1	77	3580	4620	4342
109665	5.00	4.7	74	3960	4990	4635
109677	5.00	5.2	74	3700	4940	4850
109768	5.50	5.9	69	2850	3955	4628
109775	4.75	5.1	69	3430	4445	4447
109785	5.25	4.9	69	3240	4125	4175
109822	5.50	6.1 >	71	3600	4720	4430
109847	5.00	5.0	70	3440	4595	4480
109936	5.25	5.1	71	3020	3990	4435
109952	5.00	4.8	71	3240	4380	4322
100040	5.25	4.9	79	2790	3830	4057
100494	5.00	5.3	74	3150	3825	4012
100511	5.50	5.9	73	3230	3895	3850
100516	5.00	4.8	74	3380	3655	3792
100529	5.25	6.1 >	72	3110	3915	3822
100544	5.00	6.1 >	73	3020	3515	3695
138401	5.00	4.2	71	3570	4395	3942
138409	4.75	3.9	73	3960	4725	4212
138419	5.00	5.1	70	3860	5110	4743
100744	5.00	6.1 >	75	3370	4600	4812
100754	5.50	5.6	74	3900	4100	4603
100762	5.25	5.2	75	3600	5265	4653
138825	5.50	4.6	76	2680	3885	4417
138829	4.75	5.0	75	2860	3975	4375
138840	4.25	4.3	77	3880	4185	4015

Frequency Distribution: 28 Day Compressive Strength

Sample ID	Slump in	Air Cont %	Con Temp deg F	7 day Comp psi	28 day Comp psi	Moving Avg: 3 28 day Comp psi
101243	5.25	4.0	74	3370	4535	4232
HBC95001	5.25	4.0	78	2890	4340	4353
Count	30	30	30	30	30	20
Average	5.09	5.1	72	3358	4309	4307
Standard Deviation	0.30	0.6	5	355	440	319
Range	4.25 5.50	3.9 6.1 >	60 79	2680 3960	3515 5265	3695 4850
Coefficient of Variation	5.98	12.70	6.42	10.56	10.20	7.40



WT.
4'-0"---6000#

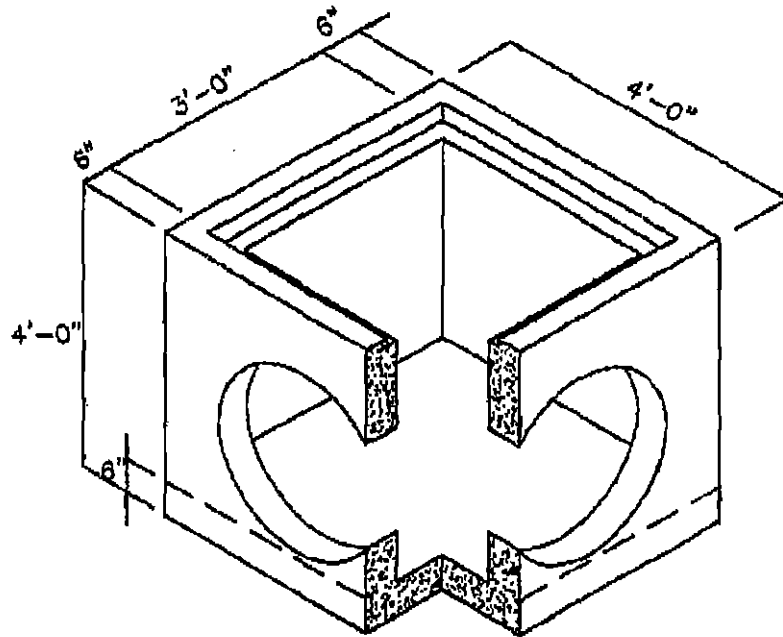
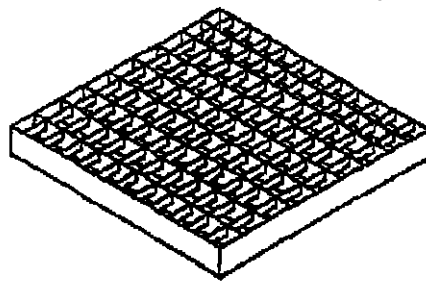
1. CONCRETE: 4500 PSI
2. REINF.: GRADE 60
3. 4'x4' GALV. GRATE
4. EXTENSION SECTIONS AVAILABLE
5. MAX. PIPE SIZE 36" W/
30" IN ADJACENT WALL

04698

A

CATCH BASIN NO. 4848
4'-0"X4'-0"X4'-0"

American Industrial Pre-Cast Products
P.O. BOX 365 ALVARADO, TEXAS 76009. METRO: 817-477-5286
501 EAST BAXTER SEGUIN, TEXAS 78155 830-401-0555



WT.
3'-6"---4815#

1. CONCRETE: 4500 PSI
2. REINF.: GRADE 60
3. 3'x3' GALV. GRATE
4. EXTENSION SECTIONS AVAILABLE
12", 24", 36", OR 48"
5. MAX. PIPE SIZE 30"RCP

04698

A

CATCH BASIN NO. 36
3'-0"x3'-0"x3'-6"

American Industrial Pre-Cast Products
P.O. BOX 365 ALVARADO, TEXAS 76009. METRO: 817-477-5288
501 EAST BAXTER SEGUIN, TEXAS 78155 830-401-0555

Grates - Heavy Duty

Part No. GHD _ _ _

K & B Steel

A Div. Of Wabb Industries, Inc.

Required Wheel Loads

Government Specification	Wheel Load	Wheel Load (30% Impact)
UBC-Passenger Car	2,000 #	-----
AASHTO-H10 Loading	8,000 #	10,400 #
AASHTO-H15 Loading	12,000 #	16,600 #
AASHTO-H20 Loading	16,000 #	20,900 #

Allowable Wheel Loads On

AASHTO Specs	AISC Specs		
	Load AT Allow Working Stress	Load AT Yield Stress	Yield Stress 1.7 Safety Factor
15,000#	20,570 #	48,290 #	27,2300 #

Certificates Upon Request

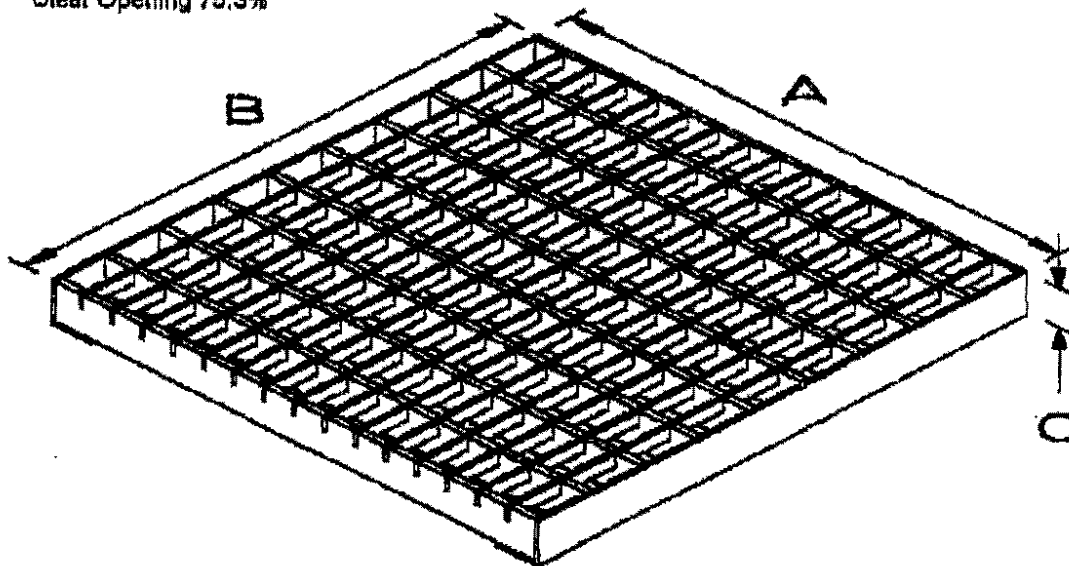
Grate Sizes

A	B	C
28 1/2"	28 1/2"	3 1/4"
28 1/2"	40 1/2"	3 1/4"
40 1/2"	40 1/2"	3 1/4"
40 1/2"	52 1/2"	3 1/4"
52 1/2"	52 1/2"	3 1/4"
64 1/2"	64 1/2"	3 1/4"

Part No. GHD 1 - 2 3

- 1 = Galvanized or Primed
- 2 = Dimension "A"
- 3 = Dimension "B"

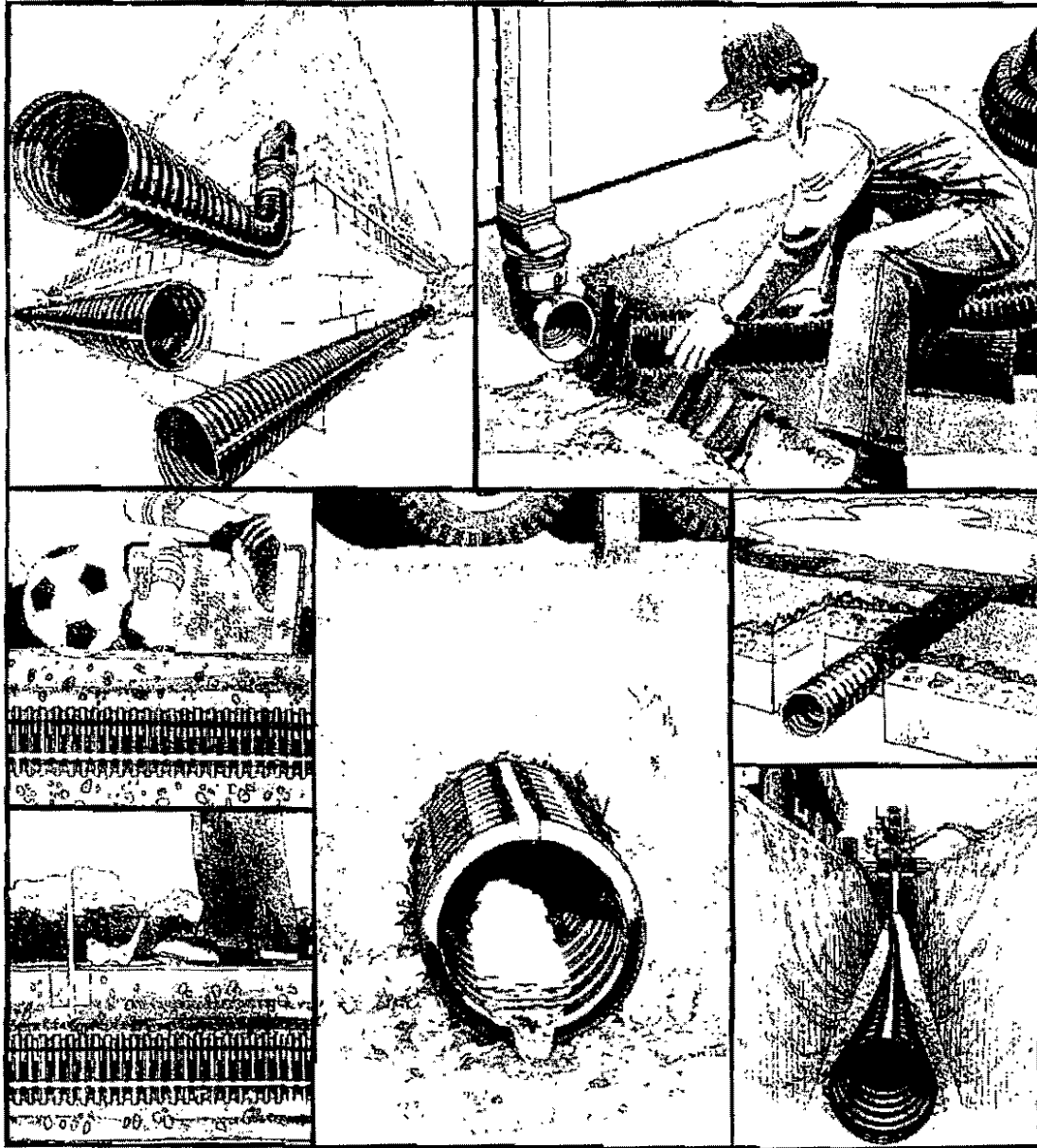
Custom Sizes Upon Request
Clear Opening 75.3%



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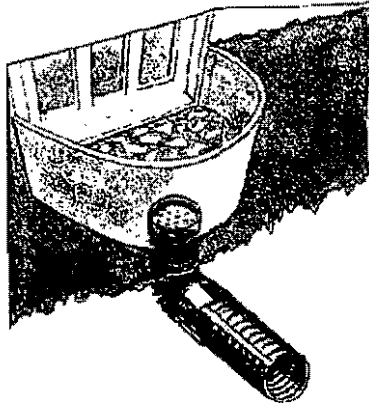
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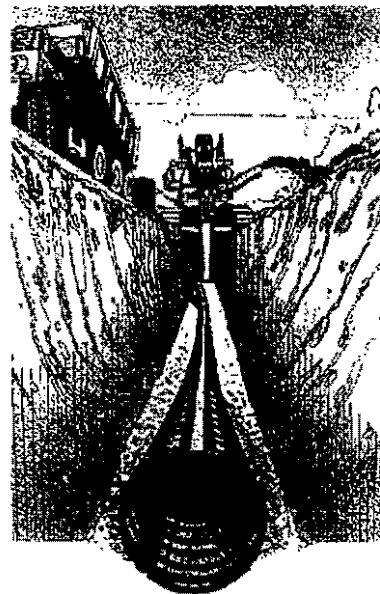


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Poor railbed drainage often results in an unstable subbase and unsafe conditions. ADS tubing is used on new projects as well as to correct problems caused by excess water in existing railbeds. ADS performs under severe loading applications, making it ideal for railroad bed drainage.

Grain/Commodity Aeration

ADS aeration pipe can be easily adapted to all types of grain storage facilities (temporary as well as permanent), including metal buildings, round silos and wooden bins, resulting in uniform air flow.

Technical Notes

ADS corrugated polyethylene tubing is structurally designed to be used as culvert pipe and for other heavy duty drainage applications. This corrugated pipe may also be adapted to other drainage needs.

Applicable Specifications and Installation Guidelines





















1. ASTM F 405, Standard Specification for Corrugated Polyethylene Tubing and Fittings.
2. ASTM F 667, Standard Specification for Large Diameter Corrugated Polyethylene Tubing and Fittings.
3. AASHTO M 252, Standard Specification for Polyethylene Corrugated Drainage Tubing.
4. AASHTO M 294, Standard Specification for Corrugated Polyethylene Pipe, 12" to 24" diameter.
5. ADS Installation Guidelines for Culvert and Other Heavy-Duty Drainage Applications.

Look for the ADS
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It's your sign of quality—
#1 in the land.

ADS
ADVANCED DRAINAGE SYSTEMS, INC.

Easy-to-use heavy-duty ADS fittings

<p>Split Coupling</p>  <p>3"-311 8"-811 4"-411 10"-1011 5"-511 12"-1211 5"-511 15"-1511</p>	<p>Snap Coupling</p>  <p>3"-312 8"-812 4"-412 8"-812 5"-512 10"-1012</p>	<p>Internal Coupler</p>  <p>4"-415 5"-515 6"-615 8"-815</p>	<p>Internal Reducing Coupler</p>  <p>5"-4-425 6"-5-525</p>	<p>Reducing Coupler</p>  <p>4" x 3"-314 8" x 6"-815 5" x 4"-514 10" x 8"-1014 6" x 4"-614 12" x 10"-1213 6" x 5"-616 15" x 12"-1512</p>
<p>Snap Tee</p>  <p>3"-321 5"-522 4"-421 8"-526</p>	<p>Saddle Tee</p>  <p>4"-443 8"-646 5"-545 8"-643</p>	<p>Blind Tee</p>  <p>3"-341 5"-541 4"-441 8"-641</p>	<p>Downspout Adapter</p>  <p>3" - 334 (3/4" x 2 1/2") 4" - 464 (3/4" x 2 1/2") 4" - 465 (3" x 4 1/2")</p>	<p>45° Y</p>  <p>3" 322 5"-522 4"-422 6"-622</p>
<p>Spin-on Couplings</p>  <p>18"-1811 24"-2411</p>	<p>Spin End Cap</p>  <p>3"-331 8"-831 4"-431 10"-1031 5"-531 12"-1231 6"-631 15"-1531</p>	<p>Snap Adapter</p>  <p>3"-362 5"-562 4"-462 6"-662 5"-562</p>	<p>Reducing Tee (Multiple)</p>  <p>644-6" to 6" 8" to 5" 8" to 4" 1/2" to 3" 844-8" to 8" 8" to 6" 8" to 5" 8" to 4" 1044-10" to 10" 10" to 8" 10" to 6" 1244-12" to 12" 12" to 10" 12" to 8" 1544-15" to 15" 15" to 12" 15" to 10"</p>	
<p>Perforated Tubing</p>  <p>3"-301-300' Coils 4"-401-250' Coils 5"-501-195' Coils 6"-601-100' Coils 8"-801-23' Lengths 10"-100'-20' Lengths 12"-1201-20' Lengths 15"-1501-20' Lengths 18"-1801-20' Lengths (30" and 40" also available in bundles of ten-10' lengths.)</p>	<p>Non-Perforated Tubing</p>  <p>3"-351-300' Coils 4"-451-250' Coils 5"-551-195' Coils 6"-651-100' Coils 8"-851-20' Lengths 10"-105-20' Lengths 12"-1251-20' Lengths 15"-1551-20' Lengths 18"-185-20' Lengths (35" and 45" also available in bundles of ten-10' lengths.)</p>	<p>Protective Wrap</p>  <p>Drain Guard 3"-372 4"-472 5"-572 6"-672 8"-872 10"-1072 12"-1272</p> <p>Sock 373-300' Coils 473-250' Coils 573-195' Coils 673-100' Coils 873-20' Lengths 1073-20' Lengths 1273-20' Lengths 1573-20' Lengths</p>	<p>Heavy Duty Tubing</p>  <p>Perf. 6"-601 10"-1001 12"-1201 15"-1501 18"-1801 24"-2401</p> <p>Non-Perf. 851-20' Lengths 1051-20' Lengths 1251-20' Lengths 1551-20' Lengths 1851-20' Lengths 2451-20' Lengths</p>	<p>45° ELL</p>  <p>4"-445</p> <p>90° ELL</p>  <p>3"-390 4"-490</p>

Advanced Drainage Systems, Inc., is America's leading manufacturer of quality corrugated polyethylene pipe. Manufactured of selected polyethylene resins, ADS pipe meets the strictest product quality standards and industry specifications.

In addition, ADS manufactures a complete line of fittings and couplings, simplifying installations for highway and construction drainage applications.

From coast to coast, ADS tubing is available through the industry's most extensive distribution network. For the name of your local distributor, contact the nearest ADS sales office.

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NORTH EAST
Wilkes-Barre, PA 1-800-733-6564

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Charlotte, NC 1-800-733-6153

SOUTHEAST
Longwood, FL 1-800-733-1974

MID SOUTH
Brentwood TN 1-900-733-9937

OHIO
Lorain, OH 1-800-733-9554

MICHIGAN
Owasco, MI 1-800-733-5208

NORTH CENTRAL
Monticello, IL 1-800-733-9449

MIDWEST
Iowa City, IA 1-800-733-3889

NORTHWEST
Washougal, WA 1-800-733-8523

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SOUTH CENTRAL
Dallas, TX 1-800-733-8676

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Columbus, Ohio 43221
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to come
1-800-

**TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO**

DATE: 8/3/01

Claim # _____

Check \$ 27,655.20

Vendor No: _____
 Vendor Name: NORTHSTAR CONSTRUCTION, INC.
 Address: 309 BIRCHWOOD LANE
 Address: FORT WORTH, TEXAS 76108
 Address: _____
 Zip Code: _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	(\$000,000.00)
<u>ESTIMATE 1</u>	<u>01</u>	<u>411</u>	<u>58210</u>			<u>27,655.20</u>

TOTAL 27,655.20

EXPLANATION PAYMENT INVOICE NO. 1 FOR EASEMENT
PARK DRAINAGE IMPROVEMENTS CONSTRUCTION

Steve Chutman
 Authorized Signature

Finance

Application For Payment

Client : Town Of Addison
 16801 Westgrove
 Addison, Texas 75001

Contractor : Northstar Construction, Inc.
 309 Birchwood Lane
 Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : June 26, 2001

Period : July 16, 2001 to July 31, 2001

Contract Amount : \$67,968.00

Est. No. : 1

Calendar Days :
 Allotted 45
 Used 16

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	0	0.75	0.75	\$ 12,750.00	\$ 12,750.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	0	9	9	\$ 108.00	\$ 108.00
3	Select Fill	12	CY	\$ 200.00	0	0	0	\$ -	\$ -
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	0	0	0	\$ -	\$ -
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0	0.5	0.5	\$ 250.00	\$ 250.00
6	Remove/Replace Exist. Landscaping	1	tS	\$ 4,000.00	0	0.5	0.5	\$ 2,000.00	\$ 2,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	0	0	0	\$ -	\$ -
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	0	220	220	\$ 13,200.00	\$ 13,200.00
9	Connection To Exist. 14' Inlet	1	Ea.	\$ 1,200.00	0	1	1	\$ 1,200.00	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	0	1	1	\$ 500.00	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	0	220	220	\$ 220.00	\$ 220.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	0	0	0	\$ -	\$ -
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	0	0	0	\$ -	\$ -
15	Materials Testing	1	LS	\$ 1,500.00	0	0.33	0.33	\$ 500.00	\$ 500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	0	0	0	\$ -	\$ -
TOTALS								\$ 30,728.00	\$ 30,728.00

Certified By :

Michael A. Heimlich 8/2/01
 Northstar Construction, Inc. Date

Steve Chutehans 8/3/01
 Town Of Addison Date

DDW 8/3/01

PERFORMED ON ORIGINAL CONTRACT	\$ 30,728.00
EXTRA WORK PERFORMED	\$ -
TOTAL VALUE OF WORK TO DATE	\$ 30,728.00
LESS RETAINAGE - 10%	\$ 3,072.80
NET AMOUNT EARNED ON CONTRACT	\$ 27,655.20
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ -
AMOUNT DUE THIS ESTIMATE	\$ 27,655.20

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : June 26, 2001

Period : July 16, 2001 to July 31, 2001

Contract Amount : \$67,968.00

Est. No. : 1

Calendar Days :
Allotted 45
Used 16

Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	0	0.75	0.75	\$ 12,750.00	\$ 12,750.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	0	9	9	\$ 108.00	\$ 108.00
3	Select Fill	12	CY	\$ 200.00	0	0	0	\$ -	\$ -
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	0	0	0	\$ -	\$ -
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0	0.5	0.5	\$ 250.00	\$ 250.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	0	0.5	0.5	\$ 2,000.00	\$ 2,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	0	0	0	\$ -	\$ -
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	0	220	220	\$ 13,200.00	\$ 13,200.00
9	Connection To Exist. 14" Inlet	1	Ea.	\$ 1,200.00	0	1	1	\$ 1,200.00	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	0	1	1	\$ 500.00	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	0	220	220	\$ 220.00	\$ 220.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	0	0	0	\$ -	\$ -
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	0	0	0	\$ -	\$ -
15	Materials Testing	1	LS	\$ 1,500.00	0	0.33	0.33	\$ 500.00	\$ 500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	0	0	0	\$ -	\$ -
TOTALS								\$ 30,728.00	\$ 30,728.00

Certified By :

Michael A. Hummel 8/2/01
Northstar Construction, Inc. / Date

Town Of Addison / Date

PERFORMED ON ORIGINAL CONTRACT	\$ 30,728.00
EXTRA WORK PERFORMED	\$ -
TOTAL VALUE OF WORK TO DATE	\$ 30,728.00
LESS RETAINAGE - 10%	\$ 3,072.80
NET AMOUNT EARNED ON CONTRACT	\$ 27,655.20
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ -
AMOUNT DUE THIS ESTIMATE	\$ 27,655.20

LETTER OF TRANSMITTAL

To : Town Of Addison
Department Of Public Works
16801 Westgrove
Addison, Texas 75001

Date : August 2, 2001
 Attn : Mr. Luke Jalbert
Project Manager
 Re : Easement Park Drainage Impr.

WE ARE SENDING YOU : Attached

Under Separate Cover via the
 Following _____

Submittals
 Samples

Prints
 Specifications

Shop Drawings
 Other

COPIES	DATE	DESCRIPTION
2	8/2/01	Application For Payment #1

THESE ARE TRANSMITTED (as checked below) :

For Approval Approved As Submitted Resubmit ___ Copies For Approval
 For Your Use Approved As Noted Submit ___ Copies For Distribution
 As Requested Returned For Corrections Return ___ Corrected Prints
 For Review & Comment

COMMENTS : _____

COPY TO : _____

BY : *Michael A. Heimlich*
Michael A. Heimlich
Project Manager

Jim Wilson

From: bilgreen@na.cokecce.com
Sent: Wednesday, March 07, 2001 8:54 AM
To: jwilson@ci.addison.tx.us
Subject: RE: Water Flow/3845 Cannot Ln.

Jim,
Thank you for your prompt response to my concerns, I look forward to visiting with you in the future and have been very pleased with your assistance.

Bill Green

jwilson@ci.addison.tx.us on 03/07/2001 07:33:10 AM

To: Bill Green/US/CCE@CCE
CC:
Subject: RE: Water Flow/3845 Cannot Ln.

Bill,
Thanks for your reply. We have submitted your information and property location to our consultant for consideration. The consultant is considering burm and surface reconfiguration to solve the park sheet flow and volume of water onto your property. We at Addison recognize our responsibility to our homeowners and your concerns are of great interest to us. We are actively working on this issue; please feel free to email or call at 972-450-2860 for updates or information.
Thank you for your time and patience.
Jim Wilson

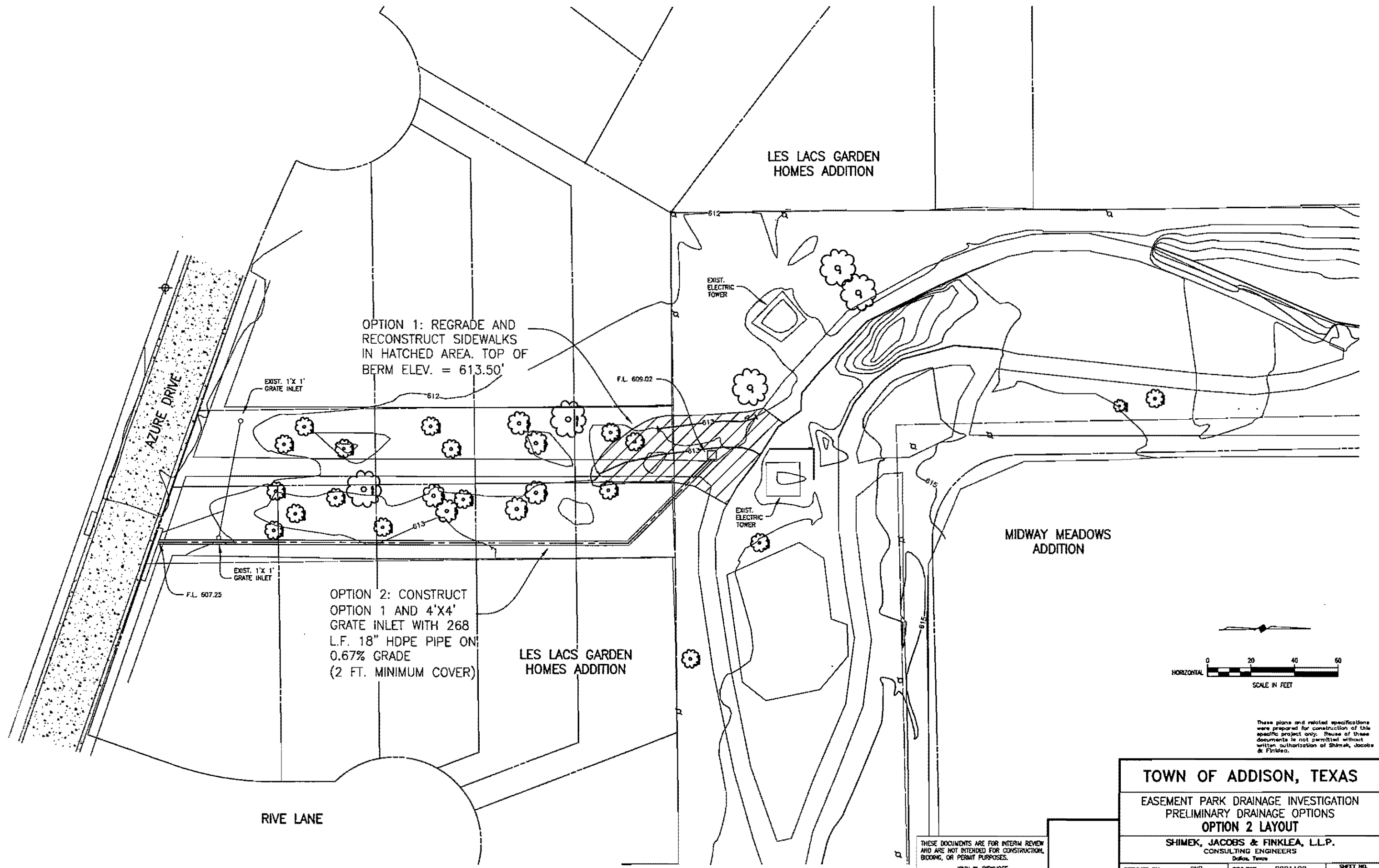
-----Original Message-----

From: bilgreen@na.cokecce.com [mailto:bilgreen@na.cokecce.com]
Sent: Tuesday, March 06, 2001 3:45 PM
To: jwilson@ci.addison.tx.us
Subject: Water Flow/3845 Cannot Ln.

----- Forwarded by Bill Green/US/CCE on 03/06/2001
03:58 PM -----

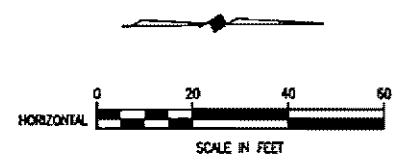
Bill Green
03/06/2001 02:30 PM

To: jwilson@cici.addison.tx.us



OPTION 1: REGRADE AND RECONSTRUCT SIDEWALKS IN HATCHED AREA. TOP OF BERM ELEV. = 613.50'

OPTION 2: CONSTRUCT OPTION 1 AND 4'X4' GRATE INLET WITH 268 L.F. 18" HDPE PIPE ON 0.67% GRADE (2 FT. MINIMUM COVER)



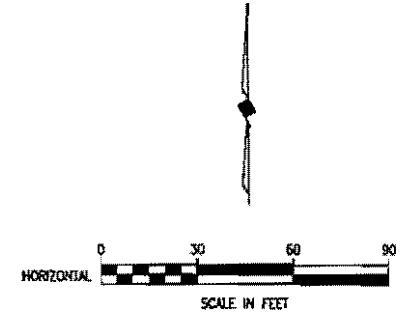
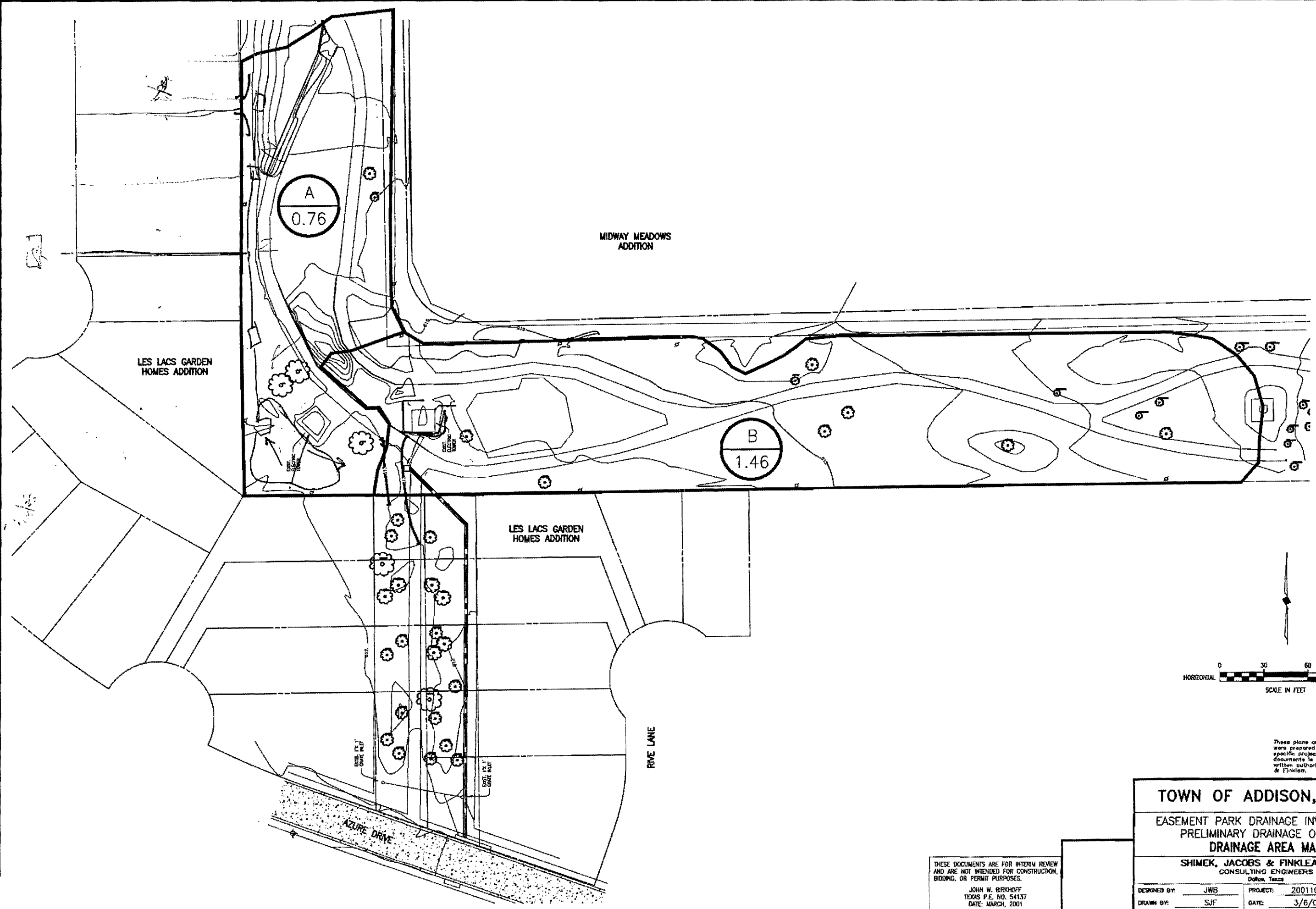
These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimek, Jacobs & Finklea.

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

JOHN W. BRIDGEMAN
TEXAS P.E. NO. 54137
DATE: MARCH, 2001

TOWN OF ADDISON, TEXAS		
EASEMENT PARK DRAINAGE INVESTIGATION PRELIMINARY DRAINAGE OPTIONS OPTION 2 LAYOUT		
SHIMEK, JACOBS & FINKLEA, L.L.P. CONSULTING ENGINEERS <small>Dallas, Texas</small>		
DESIGNED BY: <u>JWB</u>	PROJECT: <u>2001102</u>	SHEET NO. <u>1</u>
DRAWN BY: <u>SJF</u>	DATE: <u>3/8/01</u>	OF <u>1</u> SHEETS

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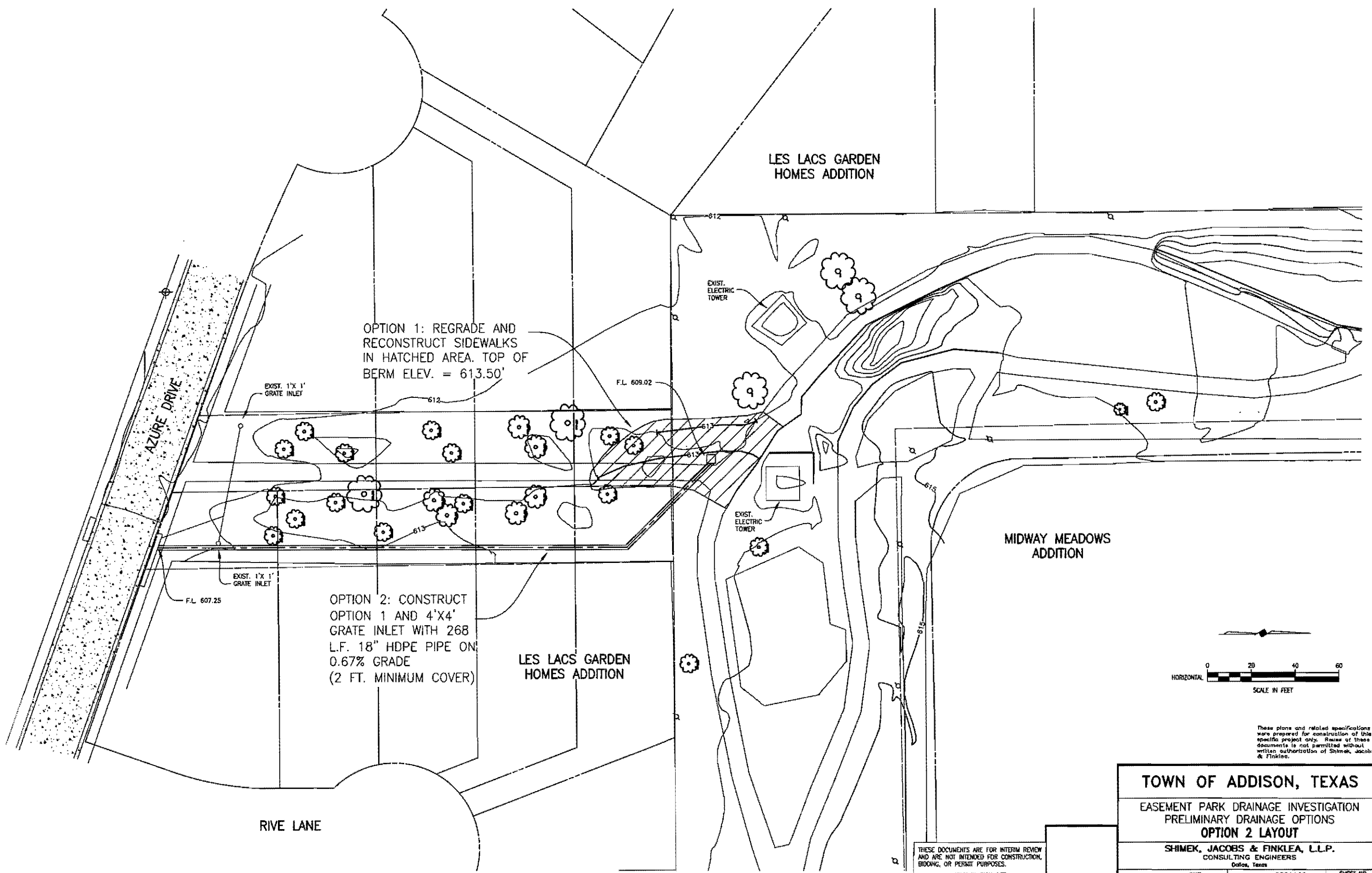


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 JOHN W. BIRKHOFF
 TEXAS P.E. NO. 54137
 DATE: MARCH, 2001

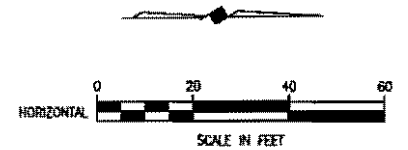
TOWN OF ADDISON, TEXAS			
EASEMENT PARK DRAINAGE INVESTIGATION PRELIMINARY DRAINAGE OPTIONS DRAINAGE AREA MAP			
SHIMEK, JACOBS & FINKLEA, L.L.P. CONSULTING ENGINEERS DALLAS, TEXAS			
DESIGNED BY: JWB	PROJECT: 2001102	SHEET NO. 1	
DRAWN BY: SJF	DATE: 3/6/01	OF 1 SHEETS	

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OPTION 1: REGRADE AND RECONSTRUCT SIDEWALKS IN HATCHED AREA. TOP OF BERM ELEV. = 613.50'

OPTION 2: CONSTRUCT OPTION 1 AND 4'X4' GRATE INLET WITH 268 L.F. 18" HDPE PIPE ON 0.67% GRADE (2 FT. MINIMUM COVER)



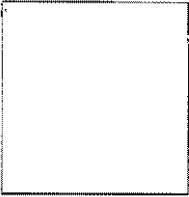
These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimek, Jacobs & Finklea.

TOWN OF ADDISON, TEXAS
 EASEMENT PARK DRAINAGE INVESTIGATION
 PRELIMINARY DRAINAGE OPTIONS
OPTION 2 LAYOUT

SHIMEK, JACOBS & FINKLEA, L.L.P.
 CONSULTING ENGINEERS
 Dallas, Texas

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
 JOHN W. BIRKHOFF
 TEXAS P.E. NO. 54137
 DATE: MARCH, 2001

DESIGNED BY: <u>JWB</u>	PROJECT: <u>2001102</u>	SHEET NO. <u>1</u>
DRAWN BY: <u>SJF</u>	DATE: <u>3/5/01</u>	OF <u>1</u> SHEETS



SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

March 6, 2001

Jim Wilson
Town of Addison
16801 Westgrove Dr.
Addison, Texas 75001-9010

Re: Easement Park Drainage Options

Dear Mr. Wilson:

Using field observations, record drawings of construction plans, and field surveys, we have evaluated two options that would reduce the nuisance storm-water runoff crossing the property of Donald Walden as 3903 Azure Drive. From our previous analysis, the total quantity generally crossing the Walden tract during the theoretical 100-year design storm is 13.5 cfs.

Option 1

The first option considered is to reduce the size of the contributing drainage area by diverting the flow from 1.46 acres of the 2.2 acres in a general southerly direction to Azure Drive overland into the existing 10' and 14' inlets. This option would require the construction of an earthen berm, relocation of two 4-inch redbud trees and reconstruction of the sidewalks in the hatched area shown on the attached exhibit labeled Option 1. Our opinion of the probable construction cost for this option is itemized on the attached exhibit and is in the range of \$10,000 to \$15,000.

This option reduces the amount of storm water during the 100-year storm crossing the property of Donald Walden from approximately 13.5 cfs to approximately 4.7 cfs.

Option 2

The second option considered is to construct Option 1 and provide a 4 foot by 4 foot grate inlet at the collection point of the 1.46 acre area and pipe the storm water runoff underground in 268 linear feet of 18 inch HDPE pipe to the existing 10 foot inlet in Azure Drive. Our opinion of the probable construction cost for this option is itemized on the attached exhibit and is in the range of \$40,000 to \$50,000.

This option reduces the amount of storm water generally crossing the property of Donald Walden as in Option 1.

Mr. Jim Wilson
Town of Addison
03/06/01
Page 2 of 2

Options were briefly reviewed to eliminate storm water from the 0.76-acre drainage area (4.7 cfs) from crossing the property of Donald Walden. Our study was limited by not having backyard surveys. From the limited field survey, a natural low point of Easement Park is along the west right-of-way line of Easement Park.

Options include construction of an earthen berm along the west right-of-way line of Easement park, installation of slotted drain along the toe of the berm, and conveyance of the storm water by underground pipe between the houses to connect to the existing storm sewer system in Azure Drive. This construction could require multiple connections to the existing storm sewer, would require the property owners to grant the Town an easement, and the storm sewer pipe be installed by bore because of the lack of separation distance between the homes. An alternative would be to construct the earthen berm and concrete flumes to be constructed across the lots, discharging in the gutter of Azure Drive. Further, the storm water could be collected in an underground detention system and pumped into the underground storm sewer system. Such a system could be constructed within the right-of-way of Easement Park.

To determine our opinion of probable cost, we will need additional survey to determine horizontal and vertical alignment of the proposed storm sewer or concrete flumes through private property in backyards and in between homes, and along Azure Drive for the connection to the existing storm sewer system.

We are available to discuss the Town's desire for solution of this drainage issue at your convenience.

Sincerely,

A handwritten signature in black ink that reads "John W. Birkhoff". The signature is written in a cursive, flowing style.

John W. Birkhoff, P.E.

Enclosures

Client: Town of Addison, Texas
 Project: Easement Park Drainage Analysis
Option 1

Date: 3/1/01
 By: GRB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
1	For Site Preparation	1	L.S.	\$ 1,000.00	\$ 1,000.00
2	Remove and Dispose of Existing Concrete Sidewalk	119	S.Y.	\$ 5.00	\$ 595.00
3	Furnish and Install Select Fill	4	C.Y.	\$ 10.00	\$ 40.00
4	Construct 4" Concrete Sidewalk	119	S.Y.	\$ 45.00	\$ 5,355.00
5	Erosion Control Design and Implementation	1	L.S.	\$ 500.00	\$ 500.00
	Subtotal:				\$ 7,490.00
	Contingencies and Miscellaneous Items	15%			\$ 1,123.50
	Total:				\$ 8,613.50
				USE:	\$ 9,000.00

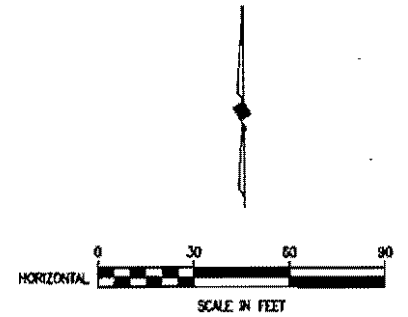
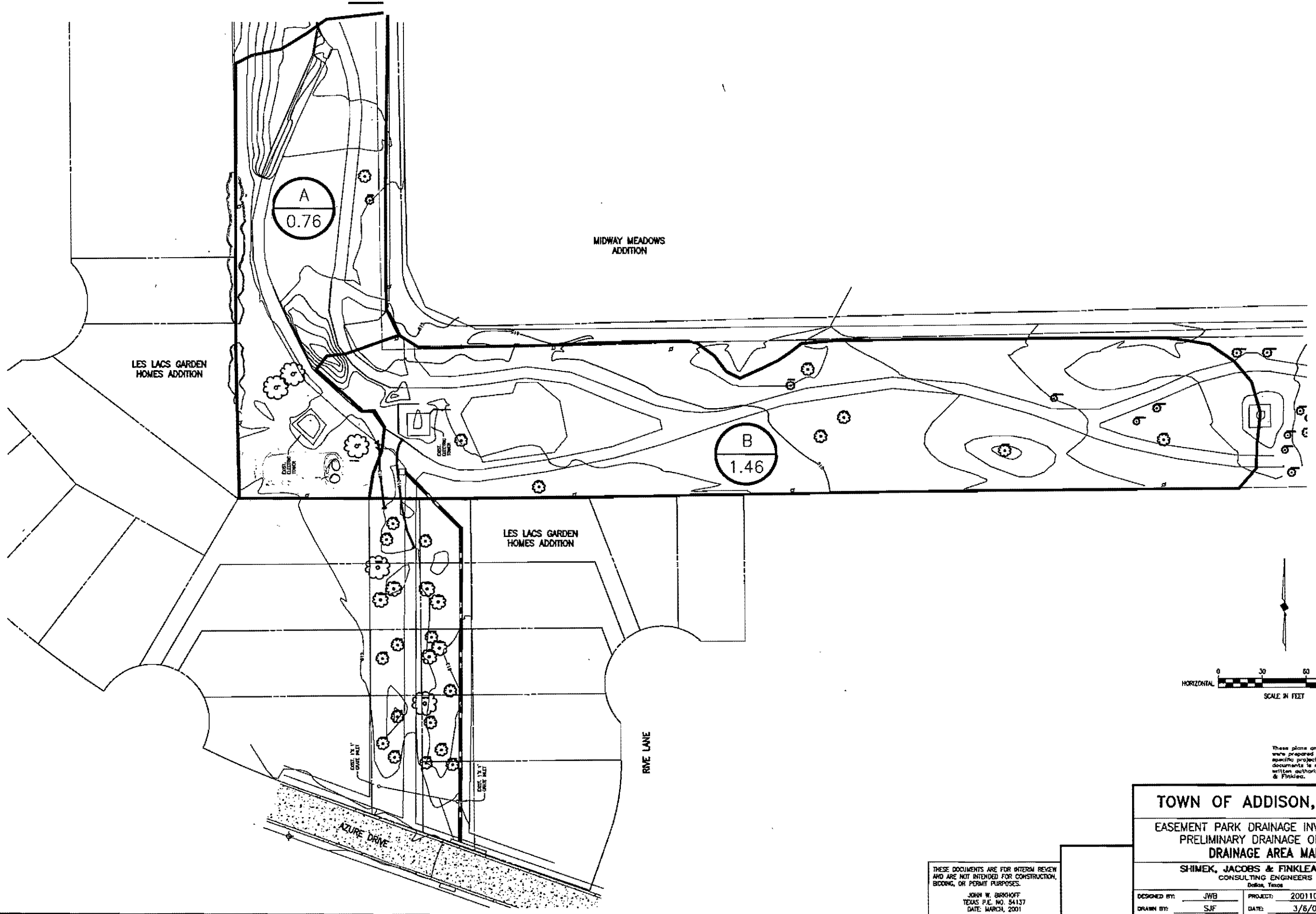
Client: Town of Addison, Texas
 Project: Easement Park Drainage Analysis
Option 2

Date: 3/1/01
 By: GRB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
1	Constructing Option 1 (Subtotal from Option 1, so contingency only considered once)	1	L.S.	\$ 7,490.00	\$ 7,490.00
2	Furnish and Install 4'x 4' Grate Inlet	1	Ea.	\$ 5,000.00	\$ 5,000.00
3	Furnish and Install 18-Inch HDPE Storm Sewer pipe with Embedment by Open Cut	268	L.F.	\$ 50.00	\$ 13,400.00
4	Connection to Existing 10' Storm Sewer Inlet	1	Ea.	\$ 1,000.00	\$ 1,000.00
5	Erosion Control Design and Implementation	1	L.S.	\$ 500.00	\$ 500.00
6	Trench Safety Design	1	L.S.	\$ 500.00	\$ 500.00
7	Trench Safety Implementation	268	L.F.	\$ 1.00	\$ 268.00
	Subtotal:				\$ 28,158.00
	Contingencies and Miscellaneous Items	15%			\$ 4,223.70
	Total:				\$ 32,381.70
				USE:	\$ 33,000.00

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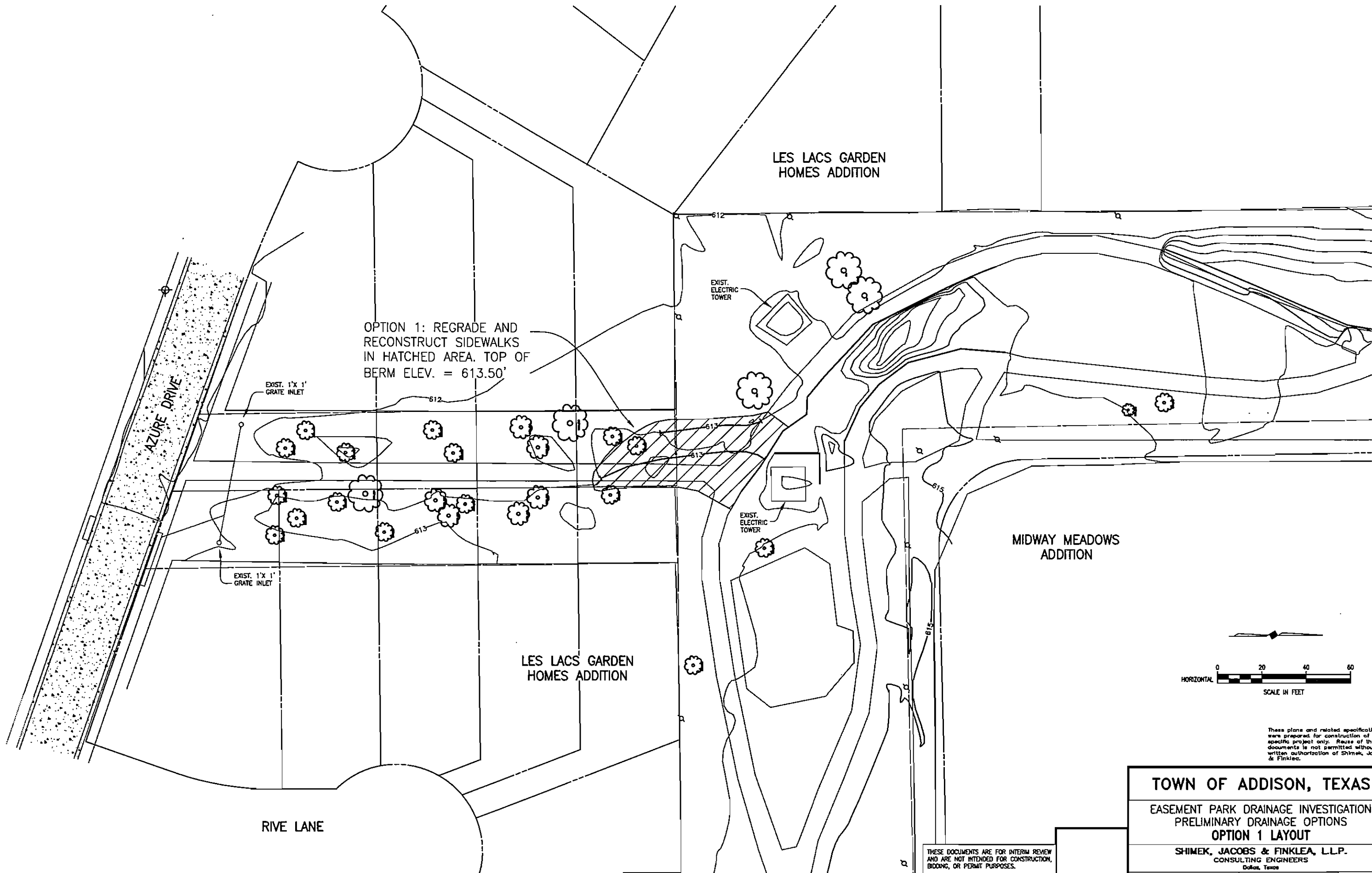


These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimek, Jacobs & Finklea.

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
 JOHN W. BIRKHOFF
 TEXAS P.E. NO. 54137
 DATE: MARCH, 2001

TOWN OF ADDISON, TEXAS			
EASEMENT PARK DRAINAGE INVESTIGATION PRELIMINARY DRAINAGE OPTIONS DRAINAGE AREA MAP			
SHIMEK, JACOBS & FINKLEA, L.L.P. CONSULTING ENGINEERS Dallas, Texas			
DESIGNED BY:	JWB	PROJECT:	2001102
DRAWN BY:	SJF	DATE:	3/6/01
			SHEET NO. 1 OF 1 SHEETS

H:\PROJECTS\ADDISON\2001102\DRAINAGEOPTIONS.DWG 2001102PTS.DWG



THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

JOHN W. BRIDGHOFF
TEXAS P.E. NO. 54137
DATE: MARCH, 2001

TOWN OF ADDISON, TEXAS			
EASEMENT PARK DRAINAGE INVESTIGATION PRELIMINARY DRAINAGE OPTIONS OPTION 1 LAYOUT			
SHIMEK, JACOBS & FINKLEA, L.L.P. CONSULTING ENGINEERS Dallas, Texas			
DESIGNED BY: JWB	PROJECT: 2001102	SHEET NO. 1	
DRAWN BY: SJF	DATE: 3/6/01	OF 1 SHEETS	

These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Shimek, Jacobs & Finklea.

Addison!

MICHAEL E. MURPHY, P.E.
Director of Public Works
(972) 450-2878
(972) 450-2837 FAX
mmurphy@ci.addison.tx.us E-mail

Town of Addison 16801 Westgrove Dr. P.O. Box 9010, Addison, Texas 75001-9010

Proposal modification

1. NO UNDERGROUND DETENTION
2. NO RETAINING WALL (USE EARTH BERM)
3. NO ALTERNATING PUMP SYSTEM
(USE SINGLE REPLACEABLE SUMP PUMP)
4. NO SCADA CONNECTION

(ABOVE GROUND
ONLY WITH SIGHT
DRAIN TO WET
WELL)

3/14
3:15 PM
Called
Ron Conway
at Strick
HW.

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820 Dallas, Texas 75225-5816 Fax (214) 361-0204 Phone (214) 361-7900

RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

March 12, 2001

Mr. Jim Wilson
Town of Addison
Post Office Box 9010
Addison, Texas 75001-9010

Re: Easement Park

Dear Mr. Wilson:

Our original scope of services for Easement Park was to complete a drainage study to determine alternatives to minimize storm water runoff through the yard of the Walden Tract (3903 Azure Drive). That study has been completed and the Town has requested that we prepare construction plans and specifications for the alternate selected by the Town. That alternate includes the collection of storm water run off in an underground detention system that pumps it out after a storm event. This system would include the construction of a retaining wall adjacent to residential tracts, grading within the park, installation of a slotted drain, storm water wet well and pump station, force main and reconstruction of jogging paths within the park. Our opinion of probable construction cost for this project is approximately \$175,000.00 to \$200,000.00.

Accordingly, we propose to furnish engineering services for the preparation of construction plans and specification along with services during the bidding phase and construction phase of the project. Our services will include the following:

1. Grading plan within the park.
2. Design of underground detention system. (ADS Polyethylene Pipe System).
3. Design of an underground pump station containing two alternating pumps.
4. Design of above ground and below ground storm drainage collection system within the park.
5. Design of retaining wall along the residential properties in the area of the collection and detention systems.
6. Design of a force main between the pump station and the storm sewer system in Azure Drive.
7. Design of the electrical feed system to operate the pump station.

8. Design of modifications to the SCADA system to identify pump running and level in the detention system with controls to run the pumps outside the float system.
9. Work with TXU to identify the required electrical service.
10. Landscape plans to restore areas of the park disrupted by construction, including a new jogging path leading to Azure Drive, which will be the access for construction equipment.

We propose to be compensated for our services on the basis of salary cost times a multiplier of 2.4 with expenses at invoice cost time 1.10. Field survey crew will be at \$120.00 per hour. We recommend a budget of \$32,500.00 be established for this project. The breakdown includes \$23,500.00 for preparation of construction plans and specifications, \$4,000.00 for the bidding phase and \$5,000.00 for the administration phase. If this proposal meets with your acceptance, please have one copy executed by the Town of Addison. We will commence our services upon receipt of the executed agreement. We are available at your convenience to discuss any questions you may have with the study or this proposal to implement an alternative from the study.

Sincerely,



John W. Birkhoff, P.E.

APPROVED FOR THE TOWN OF ADDISON

By: _____

Date: _____

**TOWN OF ADDISON
MAN-HOUR ESTIMATE
EASEMENT PARK**

	Engineer	E.I.T.	Technician	Draftsman	Word Processor	Surveyor
Sheet Setup	0.5		4.0			
Retaining Wall	0.5	2.0	4.0			3.0
Slotted Drain Design - Plan Profile	0.5	4.0	8.0			
Deletion System Plan/Section	2.0	8.0	24.0			
Pump Station	2.0	16.0	24.0			
Force Main	0.5	4.0	8.0			
Grading Plan	0.5	2.0	8.0			
Cross-Sections		1.0	4.0			
Restoration Plan	1.0	4.0	8.0			
Storm Drain Calculations	2.0	6.0	4.0			
Specifications	8.0				12.0	
Quantity Take-Off	1.0	8.0	4.0			
Details	1.0	4.0	8.0			
City Review & Markups	3.0	8.0	8.0		2.0	
Subtotal:	22.5	67.0	116.0	0.0	14.0	3.0
Print Plans	0.5	0.5		4.0		
Distribute Plans and Log	0.5				4.0	
Prepare Routine Addenda	2.0	4.0	8.0			
Answer Contractor's Questions	3.0					
Attend Bid Opening	2.0					
Tabulate Bids	1.0	0.5			3.0	
Check References & Letter of Recommendation	1.0	2.0			1.0	
Attend Council Meeting for Award	3.0					
Handle Contracts	1.0				2.0	
Subtotal:	14.0	7.0	8.0	4.0	10.0	0.0
Attend Pre-Construction Conference	2.0				1.0	
Review Shop Drawings	1.0	8.0				
Job-Site Visit (2-each)	4.0					
Prepare Pay Request (3 projected)	5.0	1.5			1.5	
Prepare Routine Change Orders	2.0	4.0	8.0		2.0	
Plans and Specification Clarification	2.0	2.0	2.0			
Subtotal:	16.0	15.5	10.0	0.0	4.5	0.0
TOTAL:	52.5	89.5	142.0	4.0	28.5	32.5

cc:
Subject: Water Flow/3845 Cannot Ln.

Jim: Thanks for taking the time to site inspect my residence in Waterford Park.

I know that you have many projects to review and implement and most are probably of much more importance than a single residence. I will keep you posted on the option of adding additional French drains. I would like to voice my opinion about the comments of the other engineer. I was surprised at his thoughts about moving the French drains in order to stop or redirect the flow out of the sump area, I am not sure if he realizes that the water flow on my property is a result of the city planned park and I did not plan the park. Jim, it's my belief anytime we work for the govt, city or community we have a public service obligation to take these type of issues and problems into consideration and have a cordial understanding of those who live in that District. I speak from experience having worked for both Tarrant County and the State of Texas. I am pleased with my home and the City of Addison, but I will be forced to pursue further options if I have any damage to the interior of my home resulting from the deviated water flow of the park. Please keep me informed about the current study. I feel like the most cost effective way of resolving this problem is to build a berm landscape behind the walking trail adjacent to my back fence. This would not require a great deal of spending and would also enhance the aesthetics of the park. I know city projects require capital approval by the City, if I can help, please don't hesitate to call me.

Thanks

William P. Green

cc: John Brusniak/ Brusniak Clement and Harrison, P.C.
cc: Ron Whitehead/Town of Addison

Jim Wilson

From: bilgreen@na.cokecce.com
Sent: Tuesday, March 06, 2001 3:45 PM
To: jwilson@ci.addison.tx.us
Subject: Water Flow/3845 Cannot Ln.

----- Forwarded by Bill Green/US/CCE on 03/06/2001
03:58 PM

Bill Green
03/06/2001 02:30 PM

To: jwilson@cici.addison.tx.us
cc:
Subject: Water Flow/3845 Cannot Ln.

Jim: Thanks for taking the time to site inspect my residence in Waterford Park. I know that you have many projects to review and implement and most are probably of much more importance than a single residence. I will keep you posted on the option of adding additional French drains. I would like to voice my opinion about the comments of the other engineer. I was surprised at his thoughts about moving the French drains in order to stop or redirect the flow out of the sump area, I am not sure if he realizes that the water flow on my property is a result of the city planned park and I did not plan the park. Jim, it's my belief anytime we work for the govt, city or community we have a public service obligation to take these type of issues and problems into consideration and have a cordial understanding of those who live in that District. I speak from experience having worked for both Tarrant County and the State of Texas. I am pleased with my home and the City of Addison, but I will be forced to pursue further options if I have any damage to the interior of my home resulting from the deviated water flow of the park. Please keep me informed about the current study. I feel like the most cost effective way of resolving this problem is to build a burm landscape behind the walking trail adjacent to my back fence. This would not require a great deal of spending and would also enhance the aesthetics of the park. I know city projects require capital approval by the City, if I can help, please don't hesitate to call me.

Thanks

William P. Green

cc: John Brusniak/ Brusniak Clement and Harrison, P.C.
cc: Ron Whitehead/Town of Addison

Memo:

Date: 03/04/01

To: John Birkhoff

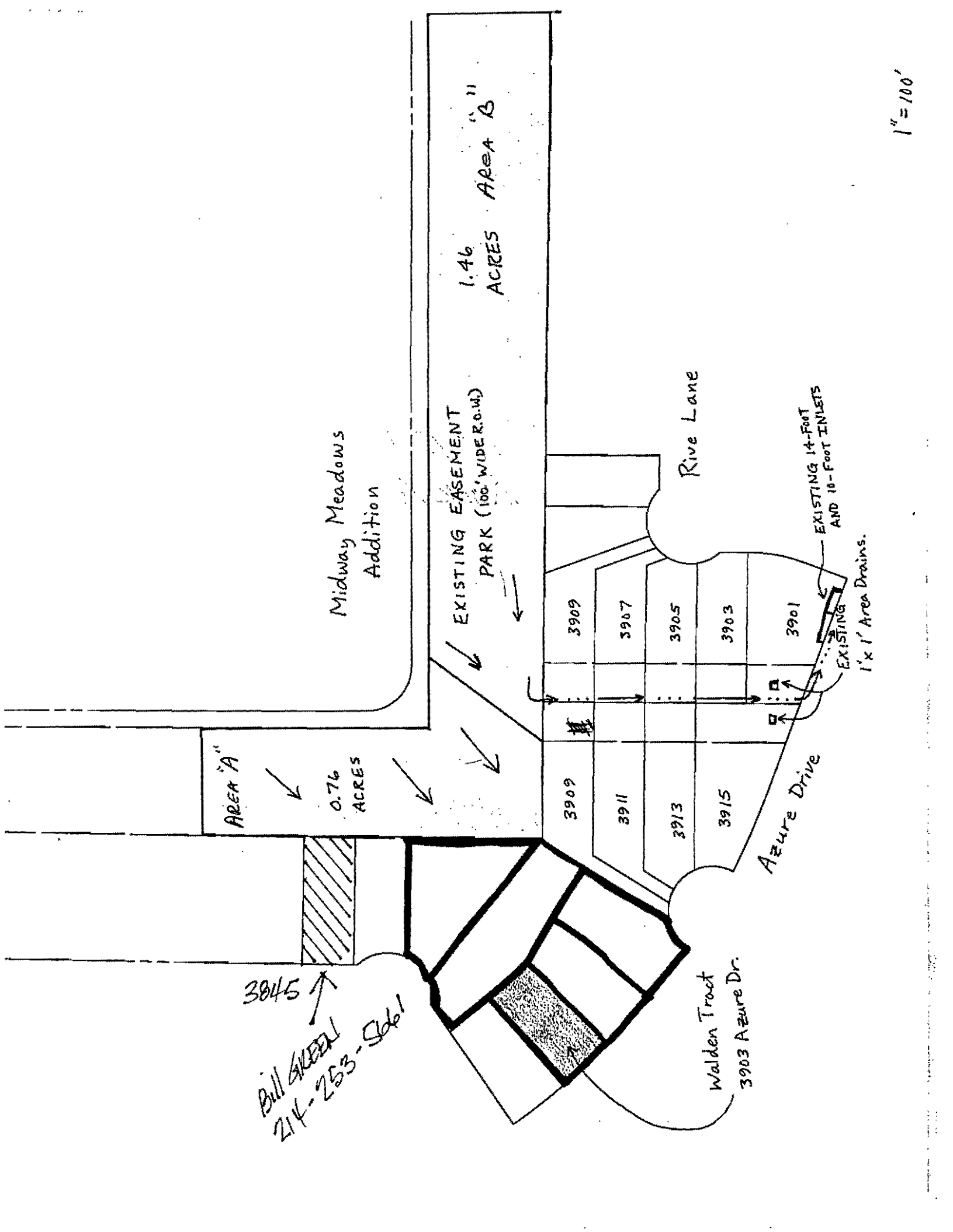
Re: Easement Park Drainage Improvements

John,

The home owner at 3845 Canot Lane has contacted the city manager and wishes to have surface water directed away from his property. I have left a message on your phone about this issue and will fax this note and a detail (footprint) of his property location to you for your use. Please include this property in your design solution.

Thanks, -


Jim



HP LaserJet 3200se



TOALASERJET 3200
9724502837
MAR-5-2001 16:41

Fax Call Report

Job	Date	Time	Type	Identification	Duration	Pages	Result
406	3/ 5/2001	16:39:55	Send	92143610204	1:24	2	OK

Memo:

Date: 03/04/01

To: John Birkhoff

Re: Easement Park Drainage Improvements

John,

The home owner at 3845 Canot Lane has contacted the city manager and wishes to have surface water directed away from his property. I have left a message on your phone about this issue and will fax this note and a detail (footprint) of his property location to you for your use. Please include this property in your design solution.

Thanks,

Jim

Addison!

STEVEN Z. CHUTCHIAN, P.E.
Assistant City Engineer
(972) 450-2886
(972) 450-2837 FAX
(214) 673-2518 Mobile
schutchian@ci.addison.tx.us E-mail

Town of Addison 16801 Westgrove Dr. P.O. Box 9010, Addison, Texas 75001-9010

AD SPCA -
LAND SWAP owner by agreement
214-672-2194

BILL Green

JIM
WILSON

214-253 5661

COCA COLA ENTERPRISES

~~CAFO~~

WATER FRED PARK ESTATES

BACK UP TO power lines

NEAR AZURE

3845 Conoé / near Azure

Monday 10:00 - 11:00

MICHELLE GARZA

W/ FRANCE

FOR
CLAIMS

February 14, 2001

MEMORANDUM

To: Jim Wilson, Project Manager

From: Steve Chutchian, Assistant City Engineer *SCC*

Cc: Jim Pierce, Assistant Director of Public Works

Re: Easement Park Drainage Improvements

The following is a breakdown of remaining steps that are necessary to complete the Easement Park Drainage Improvements Project:

- a. The Engineer has initiated a final design of drainage improvements at Easement Park, with the intent of diverting stormwater away from three lots (including Mr. Walden) and directing it into the Town's underground system.
- b. The Engineer is in the process of scheduling necessary surveying in this area, in order to complete the design process.
- c. The design will probably include the construction of an additional grate inlet and/or revisions to the existing ground contours and sidewalks.
- d. We will need final construction cost estimates, as well as plans & specifications for bidding.
- e. Slade has substantially complete plans for changing the lighting scheme in this portion of the park. This plan also includes some landscaping improvements.
- f. A meeting should be set up between Slade's landscape architect and the Engineer for coordination of each proposed design. The lighting and landscaping plan may directly affect the Engineer's design.
- g. Final design drawings and specifications should be reviewed and approved by each department prior to bidding.
- h. Funding must be established after receiving the final cost estimate for the project. A memo to Chris Terry, with copies to Mike, Jim, and myself will be necessary. The memo should discuss the reason for the project, scope of design, the resulting final cost estimate, and length of time for construction.
- i. During the final design and subsequent construction period, Mr. Walden should be periodically contacted and updated on the progress of our efforts.

Please proceed to take the lead on this project and the individual items listed above.
Thanks.

*Week away
say 2/20*

2000 - 2001 CITIZEN COMMENT CARD RESPONSE
 CARD NUMBER 1227-23

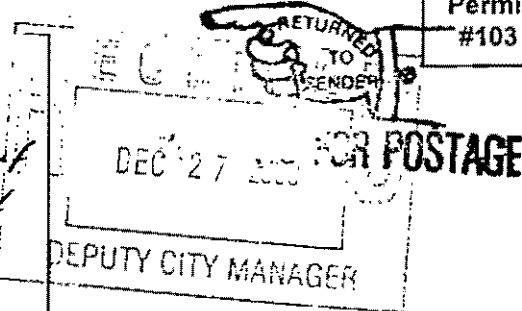
Cor.



Mr. Donald H. Walden
 3903 Azure Ln
 Addison, TX 75001-3106

(972) 241-2857

Business
 Reply
 Permit
 #103



Dear Mike,
 Please give me a status report
 on the park drainage project
 to include -

- 1- Has your consultant engineer submitted plans yet?
 - 2- If yes, may I see them?
 - 3- What is estimated cost?
 - 4- When is this project expected to be constructed?
 - 5- Any other pertinent info.
- Thanks, Don

City Manager's Office
 Town of Addison
 P.O. Box 9010
 Addison, Texas 75001-9010

Attn: Mike Murphy, Public Works

Contact information:

Donald H. Walden
 3903 Azure Ln. 75001/9-241-2857

Mike
~~we need to~~
~~send this up~~

Routed to department for action:

ACCT ___ Airport ___ Ath. Club ___ B&FS ___ CMgr. ___ Dev. Svcs. ___
 EconDev ___ ES ___ Finance ___ Fire ___ HR ___ IT ___ P&R ___
 P&Z ___ Police ___ PCom. ___ SE ___ VS ___

- Respond direct to citizen per action noted in gray box below
 copy to Carolyn Sedwick...please reference Comment Card Number
- FYI - no action necessary
- Send draft response to Carolyn Sedwick for TH to finalize letter to citizen

Response Required:

- Town Hall to respond directly
- No action necessary
- Thank You Letter
- Acknowledge Generic Comment
- Acknowledge Specific Question or Inquiry
- Phone Call

DELIVERED JAN 10 2001

Addison!

MICHAEL E. MURPHY, P.E.

Director of Public Works

(972) 450-2878

(972) 450-2837 FAX

mmurphy@ci.addison.tx.us E-mail

Town of Addison 16801 Westgrove Dr. P.O. Box 9010, Addison, Texas 75001-9010

STEVE,

PLEASE DRAFT A SHORT/BRIEF
LETTER TO MR. WALDEN
ON PROGRESS.

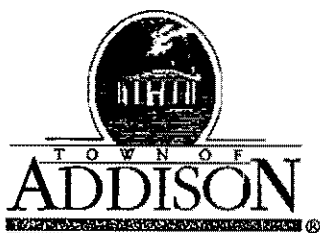
Charles
dike

RON LEE : - EASEMENT PARK -
2863

- Lighting
- Irrigation

JOAN - 2851

Discussed on 2/19/01
9:30 AM
with R. Lee



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

January 30, 2001

John W. Birkhoff, P.E.
Shimek, Jacobs & Finklea, L.L.P.
8333 Douglas Avenue
Suite 820
Dallas, Texas 75225-5816

Re: Easement Park Drainage Improvements Authorization

Dear Mr. Birkhoff

We have reviewed your drainage report and agree with your conclusions for design improvements to the existing drainage system of Easement Park.

Based on our telephone conversations defined this morning, we authorize your firm to perform survey work for the proposed drainage improvements with reference to the existing easement areas only with surface drainage moving toward the sidewalks and on to the existing inlets.

Sincerely,

Jim Wilson
Project Manager

cc: Mike Murphy, Jim Pierce, Steve Chutchian, file

February 14, 2001

MEMORANDUM

To: Jim Wilson, Project Manager

From: Steve Chutchian, Assistant City Engineer *SC*

Cc: Jim Pierce, Assistant Director of Public Works

Re: Easement Park Drainage Improvements

The following is a breakdown of remaining steps that are necessary to complete the Easement Park Drainage Improvements Project:

- a. The Engineer has initiated a final design of drainage improvements at Easement Park, with the intent of diverting stormwater away from three lots (including Mr. Walden) and directing it into the Town's underground system.
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- g. Final design drawings and specifications should be reviewed and approved by each department prior to bidding.
- h. Funding must be established after receiving the final cost estimate for the project. A memo to Chris Terry, with copies to Mike, Jim, and myself will be necessary. The memo should discuss the reason for the project, scope of design, the resulting final cost estimate, and length of time for construction.
- i. During the final design and subsequent construction period, Mr. Walden should be periodically contacted and updated on the progress of our efforts.

Please proceed to take the lead on this project and the individual items listed above.
Thanks.

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820 Dallas, Texas 75225-5816 Fax (214) 361-0204 Phone (214) 361-7900

RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

January 19, 2001

Jim Wilson,
Town of Addison
16801 Westgrove Dr.
Addison, Texas 75001-9010

Re: Easement Park Drainage Improvements

Dear Mr. Wilson:

In accordance with our agreement, we have reviewed construction plans and made field observations to determine the drainage basin, quantity and velocity of storm water runoff leaving Easement Park and being conveyed in the general area crossing the property of Donald Walden at 3903 Azure Drive.

Existing Conditions

Mr. Donald Walden's residence at 3903 Azure Drive is located in the Waterford Addition, originally platted as Les Lacs Garden Homes Addition in 1981. The storm drainage design included in those construction plans for the Les Lacs Garden Homes subdivision was for the 25-year storm. Based on the drainage areas provided in the Les Lacs Garden Homes construction plans, that portion of Easement Park contributing to the storm runoff generally crossing the Walden tract is approximately 2.2 acres. Using the coefficient of runoff and time of concentration from the Les Lacs Garden Homes construction plans, Easement Park provides 10.16 cfs of storm water runoff during the 25-year storm. Using a time of concentration of 10 minutes and designing for the 100-year storm, this would equate to 13.46 cfs.

Recommendations

Based on our field observations, it appears the size of the area of Easement Park contributing to the storm water runoff that crosses the property of Donald Walden can be reduced. As shown on the attached exhibit, the area of Easement Park contributing to the storm water runoff crossing 3903 Azure can be divided into two areas. The storm water runoff from Area 'A' (0.76-acre) travels overland in a southwesterly direction as shown on the attached exhibit. The storm water from Area 'B' (1.46-acre) could be diverted to the northeast corner of 3909 Azure and then conveyed overland along the south easement line of Easement Park in a general westerly direction to Azure Drive. It appears the diversion could be accomplished by regrading and reconstructing the sidewalks at the northeast corner of 3909 Azure Drive in a configuration that would direct this runoff to drain in a southerly direction into Azure Lane. The runoff into Azure Lane would then travel in

an easterly direction into the existing 14-foot and 10-foot storm drain inlets along the north curb of Azure Drive.

Field surveys are required to confirm our field conclusions.

Please notify us, if the Town of Addison desires us to proceed on this basis or to complete extensive field surveys in backyards and to determine methods to collect runoff from travelling toward Mr. Walden's property.

We have also included a blanket letter for permission to survey across the property of residents in the Waterford Addition if the Town desires a more comprehensive review to collect storm water. Final dates will need to be established prior to distribution. The lots outlined in red are lots that will need to be surveyed.

Sincerely,

A handwritten signature in black ink that reads "John W. Birkhoff". The signature is written in a cursive style with a large, looping initial "J".

John W. Birkhoff, P.E.

Enclosures

TOWN OF ADDISON, TEXAS

January, 2001

Residents of The Town of Addison:

Re: Field Surveys for Easement Park Drainage Improvements

Dear Resident:

The Town of Addison has retained the engineering firm of Shimek, Jacobs & Finklea, L.L.P. to design improvements to the existing drainage system of Easement Park. As part of their work, they will be making field surveys in Easement Park and across your property, particularly in your front and back yard.

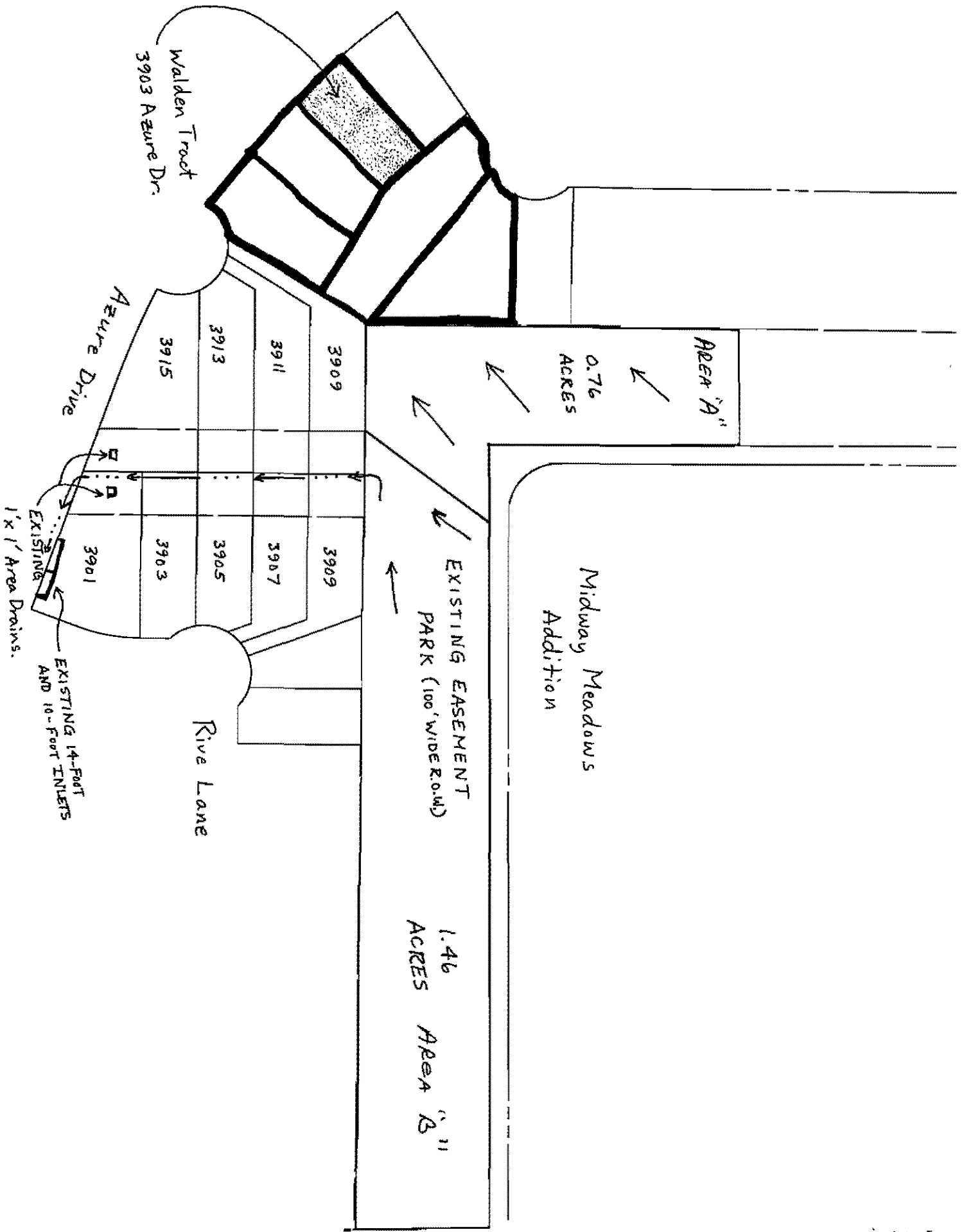
The survey will consist of obtaining ground elevations and conducting topographic surveys. We do not anticipate any stakes to be placed during this reconnaissance survey. Any gates entered during the work will be closed upon entering and leaving your property and no surveying vehicles will enter your property at any time.

The survey party will consist of two men and the Party Chief will be George Murphy with Shimek, Jacobs & Finklea. If you have any questions concerning the field surveys in connection with the improvements to the Easement Park drainage system in your neighborhood, please feel free to contact me at (972) 450-7000.

The field surveys are scheduled to occur during the weeks of January xx and January xx, 2001, weather permitting.

Sincerely,

Jim Wilson



1" = 100'

Addison!

STEVEN Z. CHUTCHIAN, P.E.
Assistant City Engineer
(972) 450-2886
(972) 450-2837 FAX
(214) 673-2518 Mobile
schutchian@ci.addison.tx.us E-mail

Town of Addison 16801 Westgrove Dr. P.O. Box 9010, Addison, Texas 75001-9010

MIDWAY MEADOWS ADDITION - PLAT
&
PLANS

LESLACS GARDEN HOMES - REPLAT
(WATERFORD) ADDITION 1991
(renamed)
→ BILL SHIPP ADDITION
1907 LYNN -

DRAINAGE

METS

DONALD WALDEN

3903 AZURE LANE

JOHN BIRKHOFF

DRAINAGE ISSUES

FOR OWNER

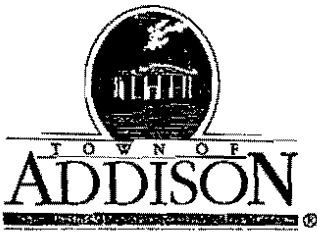
DONALD WALDEN

3903 AZURE LANE

GUY BRADLEY

&

JOHN



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

January 11, 2001

Mr. Donald H. Walden
3903 Azure Lane
Addison, Texas 75001-3106

Re: Drainage Study
Easement Park

Dear Mr. Walden:

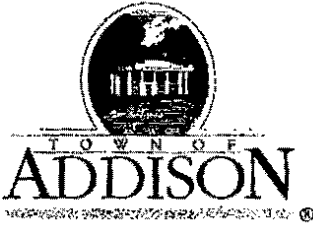
In accordance with your recent discussion with our Public Works Department staff, the Town of Addison has engaged the services of an engineering consultant to analyze the drainage problem on your property. In addition, our engineer will determine necessary improvements and associated construction costs for elimination of storm water that impacts your lot from Easement Park. It is anticipated that the study should be completed in approximately thirty days. At that time, we will contact you regarding the results.

Should you have any questions regarding the progress of our study, please feel free to contact Steve Chutchian, Assistant City Engineer, at 972-450-2886, or myself. The drainage problem you have experienced is understood and appreciated by our staff. Consequently, we will make every effort to expedite the completion of this study and respond to you in a timely manner.

Sincerely,

Mike Murphy, P.E.
Director of Public Works

Cc: Jim Pierce, Assistant Director of Public Works
Steve Chutchian, Assistant City Engineer
John Birkhoff, Shimek, Jacobs, & Finklea



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

7 December 2000

Shimek, Jacobs & Finklea, LLP
8333 Douglas Avenue, #820
Dallas, TX 75225-5816

ATTENTION John Birkhoff, P.E

SUBJECT Engineering Services Agreement
 Drainage Study of Easement Park

Dear Mr. Birkhoff:

Please accept the attached, signed "Service Agreement" as "Notice to Proceed" for the Drainage Study at Easement Park.

Please confer with Steve Chutchian (Assistant City Engineer) to work toward completion of this project.

Please feel free to call me with any questions.

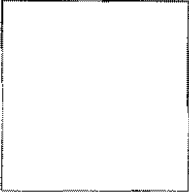
Sincerely,

Michael E. Murphy, P.E.
Director of Public Works

MEM:sef

cc: Steve Chutchian ✓

Attachment (As noted above)



SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.

November 13, 2000

Mr. Mike Murphy
Assistant Director of Public Works
Town of Addison
P. O. Box 9010
Addison, Texas 75001-9010

Re: Engineering Services Agreement
Drainage Study of Easement Park

Dear Mr. Murphy:

In accordance with your request, we propose to furnish engineering services to study the storm drainage in the vicinity of the Town's Easement Park. Our services will include the following:

1. Review of the construction plans for the Easement Park and the single-family development around the Easement Park.
2. Determination of drainage basins and sub-basins in the area of concern.
3. Field surveys of the area to finalize drainage area mapping. This will include backyard surveys, which will require permission of property owners to complete.
4. Calculation of storm water flows for various design storms.
5. Design of required improvements to eliminate and to minimize the current ponding of storm water in the area.
6. Quantity takeoff and formulation of an opinion of probable construction cost for each alternate.
7. Meeting with the staff to discuss the alternate.
8. Letter report summarizing the alternates and findings.

We propose to be compensated the basis of salary cost times a multiplier of 2.3 with expenses at invoice cost times 1.15. Field surveys will be compensated at \$110.00 per hour. We recommend a budget of \$14,100.00

Mr. Slade Strickland
Town of Addison
11/13/00
Page 2 of 2

be established for these services. We anticipate these services to require approximately 120 hours of time to complete.

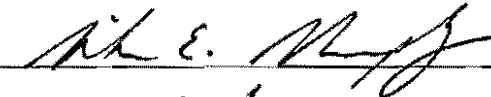
If you are in agreement with our proposal, please have one copy of this letter agreement executed by the Town of Addison and return one copy to our office. We will commence our services at your direction.

Sincerely



John W. Birkhoff, P.E.

APPROVED FOR THE TOWN OF ADDISION

By: 

Date: 12/7/2000

FIRST INDEMNITY OF
AMERICA INS
COMPANY/
CUMBERLAND
CASUALTY & SURETY
COMPANY

FAX

Date: Sept. 27, 2001
 Number of pages including cover sheet: 3

To: Sube Albert
Govn of Addison
 Phone: 972/450-2860
 Fax phone: 972/450-2837
 CC:

From: Steve Lewis
 Phone: 214/951-7979
 Fax phone: 214/951-7303

REMARKS: Urgent For your review Reply ASAP Please comment

Original being sent via mail to your attention. Please call above phone # should you have any questions or comments.

c.c. Larry Smith / Northstar 817-367-0510

CONSENT OF SURETY TO FINAL PAYMENT

AIA Document G707

(Instructions on reverse side)

OWNER	□
ARCHITECT	□
CONTRACTOR	□
SURETY	□
OTHER	□

TO OWNER:

(Name and address)

TOWN OF ADDISON
P.O. BOX 9010
5350 BELTLINE RD
ADDISON, TEXAS 75001-9010

PROJECT:

(Name and address)

EASEMENT PARK DRAINAGE IMPROVEMENTS
ADDISON, TX

ARCHITECT'S PROJECT NO.:

CONTRACT FOR:

CONTRACT DATED:

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

CUMBERLAND CASUALTY & SURETY CO.
4311 W. WATERS, STE 401
TAMPA, FL 33614

. SURETY,

on behalf of

(Insert name and address of Contractor)

NORTHSTAR CONSTRUCTION, INC.
309 BIRCHWOOD
FT. WORTH, TEXAS 76108

. CONTRACTOR,

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

(Insert name and address of Owner)

TOWN OF ADDISON
P.O. BOX 9010
5350 BELTLINE RD
ADDISON, TEXAS 75001-9010

. OWNER,

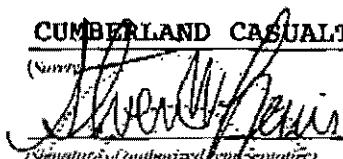
as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereto set its hand on this date: **27TH DAY OF SEPTEMBER, 2001**

(Insert in writing the month followed by the numeric date and year)

CUMBERLAND CASUALTY & SURETY COMPANY

(Name)

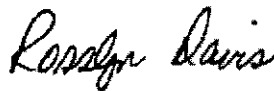


(Signature of authorized representative)

STEVEN W. LEWIS, ATTORNEY-IN-FACT

(Print name and title)

ATTEST:
(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.



CUMBERLAND CASUALTY & SURETY COMPANY
TAMPA, FLORIDA

POWER OF ATTORNEY

PRINCIPAL: NORTHSTAR CONSTRUCTION, INC.

EFFECTIVE DATE:

309 Birchwood

Fort Worth, Texas 76108

(STREET ADDRESS)

(CITY)

(STATE)

(ZIP CODE)

CONTRACT AMOUNT: \$87,818.00

AMOUNT OF BOND: \$ 67,968.00

POWER NO. CC - 29205

KNOW ALL MEN BY THESE PRESENTS: That Cumberland Casualty & Surety Company, a corporation duly organized under the laws of the State of Florida, having its principal office in the City of Tampa, Florida, pursuant to the following resolution, adopted by the Board of Directors of the said Company on the 15th day of April, 1999, to wit:

"Resolved, that the President of the Company shall have authority to make, execute and deliver a Power of Attorney constituting as attorney(s)-in-fact, such persons, firms, or corporations as may be selected from time to time.

Be it Further Resolved, that the signature of the President, Secretary 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 or consents for the release of retained percentages and/or final estimates on engineering and construction contracts or similar authority or undertaking to which it is attached." Cumberland Casualty & Surety Company does hereby make, constitute and appoint STEVEN W. LEWIS

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, and its act and deed, as follows:

The obligation of the Company shall not exceed (\$2,000,000.00) dollars.

And to bind Cumberland Casualty & Surety Company thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officer of Cumberland Casualty & Surety Company, and all the acts of said attorney(s)-in-fact pursuant to the authority herein given, and hereby ratified and confirmed.

IN WITNESS WHEREOF, Cumberland Casualty & Surety Company has caused these presents to be signed by an officer of the Company and its Corporate Seal to be hereto affixed.



CUMBERLAND CASUALTY & SURETY COMPANY

Edward J. Edenfield IV
Edward J. Edenfield IV, President

STATE OF FLORIDA)
) SS
COUNTY OF HILLSBOROUGH

On this 15th day of April, A.D. 1999, before me personally came Edward J. Edenfield IV, to me known, who being by me duly sworn did depose and say: that he resides in the County of Hillsborough, State of Florida; that he is President of Cumberland Casualty & Surety 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.



Beverly Ann Jerry
Commission # CC 758887
Expires August 22, 2002
BONDED THRU
ATLANTIC BONDING CO., INC.

Beverly Ann Jerry
Beverly Ann Jerry
My commission expires

STATE OF FLORIDA)
) SS
COUNTY OF HILLSBOROUGH

I, the undersigned, Secretary of Cumberland Casualty & Surety Company, a Florida Corporation, DO HEREBY CERTIFY that the foregoing and attached POWER OF ATTORNEY remains in full force.

Signed and Sealed at the City of Tampa.

Dated the 27TH day of SEPTEMBER 2001



Carol S. Black
Carol S. Black, Secretary

THIS BOND NOT VALID UNLESS PRINTED ON GREEN PAPER

Application For Payment

Client : Town Of Addison
16801 Westgrove
Addison, Texas 75001

Contractor : Northstar Construction, Inc.
309 Birchwood Lane
Fort Worth, Texas 76108

Project : Easement Park Drainage Improvements

Contract Awarded : July 11, 2001

Period : August 1, 2001 to August 31, 2001

Contract Amount : \$67,968.00

Est. No. : 2

Calendar Days :
Allotted 45
Used 45

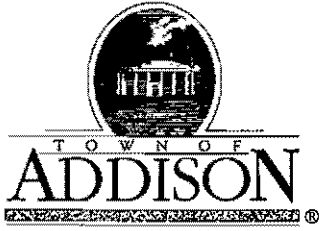
Item No.	Description	Contract Quantity	Units	Unit Price	Previous Quantity	Current Quantity	Total Quantity	Current Amount	Total Amount
1	Site Preparation	1	LS	\$ 17,000.00	0.75	0.25	1	\$ 4,250.00	\$ 17,000.00
2	Remove/ Dispose Of Exist. Conc. SW	120	SY	\$ 12.00	9	111	120	\$ 1,332.00	\$ 1,440.00
3	Select Fill	12	CY	\$ 200.00	0	12	12	\$ 2,400.00	\$ 2,400.00
4	6" Reinforced Concrete Sidewalk	120	SY	\$ 44.00	0	120	120	\$ 5,280.00	\$ 5,280.00
5	Remove/Replace/Reset 1'x1' Gr. Inlet	1	Ea.	\$ 500.00	0.5	0	0.5	\$ -	\$ 250.00
6	Remove/Replace Exist. Landscaping	1	LS	\$ 4,000.00	0.5	0.5	1	\$ 2,000.00	\$ 4,000.00
7	4' x 4' Grate Inlet	1	Ea.	\$ 3,200.00	0	1	1	\$ 3,200.00	\$ 3,200.00
8	18" HDPE Storm Sewer	289	LF	\$ 60.00	220	69	289	\$ 4,140.00	\$ 17,340.00
9	Connection To Exist. 14" Inlet	1	Ea.	\$ 1,200.00	1	0	1	\$ -	\$ 1,200.00
11	Trench Safety Design	1	LS	\$ 500.00	1	0	1	\$ -	\$ 500.00
12	Trench Safety Implementation	368	LF	\$ 1.00	220	148	368	\$ 148.00	\$ 368.00
13	3' x 3' Grate Inlet	1	Ea.	\$ 2,500.00	0	1	1	\$ 2,500.00	\$ 2,500.00
14	15" HDPE Storm Sewer	79	LF	\$ 60.00	0	79	79	\$ 4,740.00	\$ 4,740.00
15	Materials Testing	1	LS	\$ 1,500.00	0.33	0.66667	1.000	\$ 1,000.01	\$ 1,500.00
16	Water Main Lowering	1	LS	\$ 6,000.00	0.00	1	1.000	\$ 6,000.00	\$ 6,000.00
3 (CO)	Select Fill - Extra Quantity	40	CY	\$ 200.00	0	40	40	\$ 8,000.00	\$ 8,000.00
17 (CO)	Remove Landscaping/Replace With Sod	1	LS	\$ 11,850.00	0	0.25	0.25	\$ 2,962.50	\$ 2,962.50
TOTALS								\$ 47,952.51	\$ 78,680.50

Certified By :

Michael A. Heimlich 9/4/01
Northstar Construction, Inc. Date

PERFORMED ON ORIGINAL CONTRACT	\$ 67,718.00
EXTRA WORK PERFORMED	\$ 10,962.50
TOTAL VALUE OF WORK TO DATE	\$ 78,680.50
LESS RETAINAGE - 10%	\$ 7,868.05
NET AMOUNT EARNED ON CONTRACT	\$ 70,812.45
LESS AMOUNT OF PREVIOUS PAYMENTS	\$ 27,655.20
AMOUNT DUE THIS ESTIMATE	\$ 43,157.25

Town Of Addison Date



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

Northstar Construction
309 Birchwood Lane
Fort Worth, TX 76108

Mr Heimlich

I am forwarding to you a claim that was submitted by Mr. Ken Bandy to the Town of Addison related to the Easement Park Drainage project. This claim is a result of the alleged damage to the owners property during the construction of the project. Please accept this correspondence and attached claim as a need for your company to address and resolve this problem. Your timely disposition of this matter is necessary and requested.

Thanks for your cooperation

Luke Jalbert
Project Manager
Town of Addison

IN: VAL



October 15, 2001

Mr. Ken Bandy
3903 Rive Lane
Addison, TX 75001

RE: Fund Member	:	Town of Addison
Claimant	:	Ken Bandy
Date of Loss	:	09-26-01
TML-IRP Claim #	:	0200080493

Dear Mr. Bandy:

This letter is in regard to the claim that you have made against the Town of Addison for the above-referenced matter.

Based on the facts revealed in our investigation of this claim, it appears that the Town of Addison has no legal liability in this matter. The City is legally immune from liability for the property damage claim being brought against it as afforded the City by common law of Texas. Although the *Texas Tort Claims Act* waives this immunity under certain circumstances, the facts of your case and the damages which you seek do not fall under any of the waivers set forth in this *Act*. For this reason, we must respectfully deny this claim in its entirety.

Should you have any questions concerning this matter, please do not hesitate to contact me.

Sincerely,

Tammy Lesak
Claims Specialist
TML Intergovernmental Risk Pool

TL/gl

cc: Val Benavides
Town of Addison
P.O. Box 9010
Addison, TX 75001-9010

TEXAS MUNICIPAL LEAGUE INTERGOVERNMENTAL RISK POOL

CLAIM NOTICE

CLAIM NO. _____
FILED THIS CLAIM, THE _____ DAY OF _____, 20____ In either the
Offices of the City Manager or the Office of the City Secretary.

Received by _____
(Above Spaces for Office Use Only)

City Manager or
City Secretary
Town of Addison
PO Box 9010
Addison, Texas 75001-9010

Dear Sir:

This is my notice of claim against the Town of Addison. The circumstances giving rise to this claim are as follows:

1. The injury of damage occurred on the 26th day of September 2001 at approximately 1:00 o'clock A.M. at the specific location of:

2. The damage or injury occurred in the following manner:

We had our downstairs window open during the night. The sprinkler from the green belt sprayed water ~~at~~ ~~over~~ on to our hardwood floors in our kitchen. The window sill, kitchen table and one chair were also covered with water.

3. The full extent of my damages and/or injuries are as follows:

(Be specific. Attach estimates, bills, etc., if available)

<u>Damage To:</u>	<u>Amount of Damages</u>
<u>Hardwood floors</u>	\$ _____
<u>damaged</u>	\$ _____
_____	\$ _____
_____	\$ _____

4. The total amount of damages claimed is:

\$ 2,811.26

5. The following person(s) witnessed the accident:

Name: Ken Bandy
Address: 3903 Rive Lane
Addison TX 75001
Home Phone: 972 980 2599
Work Phone: 972 851-1873

Name: _____
Address: _____
Home Phone: _____
Work Phone: _____

6. If bodily injury was sustained, please state the name of the Doctor(s), if any, to whose care the injured person is (was) committed.

Doctors Name: NA
Address: _____
Phone: _____

Doctors Name: _____
Address: _____
Phone: _____

THE ABOVE STATEMENTS ARE TRUE AND CORRECT

Kathy Bandy
NAME (Please Print)

3903 Rive Lane
Addison, TX 75001
ADDRESS

Kathryn Bandy
SIGNATURE

972 980 2599
HOME TELEPHONE NUMBER
None
WORK TELEPHONE NUMBER

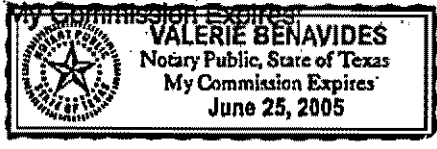
STATE OF TEXAS §
COUNTY OF Dallas §

BEFORE ME, the undersigned Notary Public, on this day personally appeared Kathy Bandy, who being by me duly sworn, on his oath deposed and said that he/she is the claimant in the foregoing claim; that he/she has read the above and foregoing claim; and that the acts contained therein are within his personal knowledge and are true and correct.

Kathy Bandy
CLAIMANT

SUBSCRIBED AND SWORN TO before me on the 10th day of October 2001, to certify which witness my hand and official seal.

Valerie Benavides
Notary Public In and For the State of Texas
Valerie Benavides
Printed name



*Chapter 2, Sections 2-23 through 2-27 of the Code of Ordinances of the Town of Addison, Texas states that the Town of Addison shall never be liable for any claim for personal injury, damage or injury to personal property or real property caused by the negligent act or omission of its officers, servants, agents or employees, UNLESS, within ninety (90) days or within six (6) months for good cause shown from the date the damage or injury was received, notice is given in writing to the City Manager or City Secretary.

FURTHER, the Town of Addison shall never be liable on account of any damage or injury to person or to personal property arising from or occasioned by any defect in any public street, highway, alley, grounds or public work for the Town of Addison unless the specific defect causing the damage or injury shall have been actually known to the City Manager at least twenty-four (24) hours prior to the occurrence of the injury or damage and proper diligence has not been exercised to rectify the defect. The notice herein required to be given to the City Manager or the City Secretary of the specific defect causing the damage or injury shall apply where the defect arose from any omission of the City itself, through its agents, servants or employees, or acts of third party.

I N V O I C E

CARPET EXCHANGE OF N TX, INC.
4901 ALPHA ROAD

DALLAS, TX 75244
972-385-3545

Bill To
RANDY, CATHY
3903 RIVE
14-E
ADDISON, TX
972-668 2595

Ship To
RANDY, CATHY
3903 RIVE
14-E
ADDISON, TX

Invoice Date 07/10/01	Invoice Number 127864	Order Date 09/26/00	Customer PO Number 214-673-6960
--------------------------	--------------------------	------------------------	------------------------------------

DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
INDOOR PLANK PRICE	305.00	SF	4.99	1,521.95
INSTALL PLANK	305.00	SF	2.25	686.25
PRICE IN WOOD	1.00	EA	35.00	35.00
1/4 IN BLUE DOWN FLOOR	295.00	SF	1.50	427.50
ONE PIE	1.00	EA	15.00	15.00
1/4 PAINTED ROUND	4.00	LF	0.00	0.00
ALL END BRUSE 1/4 R	1.00	EA	0.00	0.00

Sales Rep(s) CLIFFORD E. CUMBIE	Material	-	1,521.95
	Service	-	1,163.75
	Misc	-	0.00
	Sales Tax	-	125.58
Est Del Date - / /			
Date Delivered - / /			
	TOTAL	-	2,811.26
	PAYMENTS	-	0.00
	BALANCE	-	2,811.26



FINANCE DEPARTMENT/ADMINISTRATION

5350 Belt Line Road (972) 450-7051

E-mail Vbenavides@ci.addison.tx.us

Facsimile (972) 450-7096

P.O. Box 9010

Addison, Texas 75001

**VAL BENAVIDES
ADMINISTRATIVE SECRETARY**

October 1, 2001

Ms. Kathy Bandy
3903 Rive Lane
Addison, TX 75001

Dear Ms. Bandy:

Per your request, attached are claim forms so that you may initiate a claim with the Town of Addison in regard to an incident possibly indicating Town liability. Please include estimates of damages/injuries and/or invoices and have the signatures notarized upon completion of the claim form and return to my attention. Upon receipt, the claim form and all other required correspondence will be forwarded to our insurer as well as the Town's attorney. No further action will be taken on the Town of Addison's part until we receive your completed claim forms (originals) and estimates/invoices. We do provide free notary services on an appointment basis. We are located at:

Town of Addison
Finance Department
5350 Belt Line Rd.
Addison, TX 75240

Should you need additional assistance with the claim process, please feel free to contact me at (972) 450-7051.

Sincerely,

Val Benavides
Administrative Secretary, Finance

Attachments

Valerie Benavides

From: Ron Lee
Sent: September 28, 2001 7:42 AM
To: Valerie Benavides
Subject: Resident Claim

The resident that I spoke with you about yesterday is:

Kathy Bandy
3903 Rive Lane
972-980-2599

Add. 75001

*Ron Lee
Town of Addison
Parks Operations Manager*

Send her claim str & form



- General Contractor -
Office 817/367-3110
Fax 817/367-0510

August 15, 2001

Mr. Luke Jalbert
Project Manager
Public Works Department
Town Of Addison
16801 Westgrove
Addison, Texas 75001

RE: Easement Park Drainage Improvements

Dear Mr. Jalbert:

While surveying for the select fill berms to be installed as per the plans, we have discovered that there will be a significant overrun of the contract quantity. According to our calculations, we have determined that approximately 57 cubic yards of select fill is required to build the berms to the elevations shown on the plans. The contract quantity is 12 cubic yards. Attached is a copy from the plans showing the survey information and calculations for the volume of select fill.

Please let us know if we are to proceed as per the plans or if the Town of Addison plans to revise the berm plans to minimize the quantity overrun. Please let me know if I may be of further assistance.

Sincerely,



Michael A. Heimlich
Vice President

Mah/2001-05.02