

SIGN IN

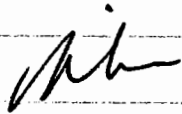
TUES. NOV 6, 2001
3:00-5:00p

<u>NAME</u>	<u>ADDRESS</u>	<u>COMPANY</u>	<u>PHONE #</u>
MIKE MURPHY	16801 WESTGROVE	TOWN	972-450-2861
JOHNNY JAHANI	15107 ADDISON RD	ADD	9-960-8686
LUKE JALBERT	16801 WESTGROVE	TOWN	972-450-2860
Rosalie Bobowski	15101 Addison	Willingham	214-553-0000x3
GEORGE K SIDERIS	15400 ADDISON		972-380-285
D.H. CONNER	5947 CHARLESTOWN	DAKOTA 75230	972-661-5144
Mike Quigley	15280 ADDISON RD	Mini Center	972-326-6611
Mike Butler	/	/	/
Steve Chutchian	16801 Westgrove	TOWN	972-450-2886
Mark Albert	6750 Hillcrest Plaza #300	75230 Albert	972-239-5800

STEVE,

THIS IS ~~THE~~ "THE" SIGN IN SHEET
FOR OUR ADDISON ROAD WIDENING
MEETING.

PLEASE FILE.



SIGN IN

TUES. NOV 6, 2001
3:00-5:00p

<u>NAME</u>	<u>ADDRESS</u>	<u>COMPANY</u>	<u>PHONE #</u>
MIKE MURPHY	16801 WESTEROVE	TOWN	972-450-2888
JOHNNY JAHANI	15107 ADDISON RD	ADD	9-960-8686
LUKE JALBERT	16801 WESTGROVE	TOWN	972-450-2860
KOSALIE BOBOWSKI	15101 ADDISON	Willingham	214-553-0000x3
GEORGE K SIDERIS	15400 ADDISON		972-380-285
D.H. CONNER	5947 CHARLESTOWN	DAKAS 75230	972-661-544
MIKE QUIGLEY	15280 ADDISON RD	Music Center	972-306-6611
MIKE BUTLER	/	/	/
STEVE CHUTCHIAN	16801 WESTEROVE	TOWN	972-450-2886
MARK ALBERT	6750 Hillcrest Plaza #300	75230 Albert	972-239-5800

STEVE,

THIS IS ~~THE~~ "THE" SIGN IN SHEET
FOR OUR ADDISON ROAD WIDENING
MEETING.

PLEASE FILE.



Steve Chutchian

To: repoulos@sasaki.com
Cc: Jim Pierce; Carmen Moran; Michael Murphy; Luke Jalbert; jbirkhoff@bhcllp.com
Subject: Addison Road X-Section Drawing

Bob - Our staff is preparing to meet with property owners along Addison Rd. on November 6th. at 3:00 p.m. In preparation for this meeting, we are planning to lay out the colored drawing of Addison Rd., which depicts proposed sidewalk and tree alignments within the parkway. Also, we are requesting that electronic files of the drawing with typical cross sections of Addison Road be forwarded to John Birkhoff. He will use it to prepare a mounted exhibit for the meeting. Your assistance in sending this file to John is appreciated.

John is working on a proposal to tie down the location of utilities in the field within the Arts & Events project limits. When this work is completed, he will send the data to you.

If you have any questions, please let me know. Thanks.

Steve Chutchian

Addison Rd. Widening

11-21-00

Meeting @ Stone Cottage with Business Owners
& Property Owners.

Intro by Ron Whitehead

Mike M gave project description

Impacts - Relocate Utilities

Reduce road to 2 lanes

Const. Inconvenience

Loss of old growth landscape

Road rehab only $\frac{2}{3}$ time of 5 lane const.

Storm Drain improvements included for either
concept.

Is the 5th lane worth the loss of
trees, & the additional const time?

All driveways would be rebuilt.

Trees & landscaping would be replaced
where there is room.

Comments back in 10 days.

SIGN IN SHEET

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>
TERRY WISCA	TEXAS DE BRAZIL FOR	(972) 385-1000
George Salah	Sally's Bohemue	(972) 387-2900
Mark Albert		972-239-5800
Dennis Calender	metre brick & stone	972-491-4488
Bill SELF	Metre Brick & stone	972-491-4488
Jim Pierce	Town of Addison	972-450-2879
Kent Hope	HWK	972/238-1326
Michael Hope	HWK	972-239-1524
JOHNNY JAHANI	CAFE Capri	9-960-8686
Steve CHUTCHAN	TOWN OF ADDISON	972-450-2886
Robert Hanna	Town of Addison	972-450-7001
Ron Whitehead	Town of Addison	972 450-7027
WAZIR MOOLJI	PERRY'S C-STORE	972 239-0622
Kent Hope Ford, B. Gline		972-239-1326

Kim Forsythe Sambucas }
 Daryl Snaden Building owner } NOT HERE
 Daryl Snaden

November 8, 2000

MEMORANDUM

To: Mike Murphy, P.E., Director of Public Works
From: Jim Pierce, P.E., Assistant Public Works Director
Subject: Addison Road Widening

I recently called John Baumgartner to try to get some history and rationale regarding the Addison Road Widening Project. John gave me the following information:

There has been no formal study or report regarding the widening of Addison Road. However, the June, 1998 Town of Addison Transportation Plan recommends that Addison Road be widened to a four lane divided road (classified Minor Arterial).

The pavement is reaching the end of its useful life, especially between Belt Line Road and Arapaho Road. If the road is rebuilt, it should be brought up to the standard recommended in the Transportation Plan.

The road is undersized for the traffic volume it carries (23,000 cars per day between Belt Line and Arapaho). Traffic volume will only increase.

The Transportation Plan also recommended that Quorum Drive be a four lane divided roadway. It has been constructed in that fashion, but, the insertion of the roundabout at Addison Circle tends to downgrade this classification, and, makes Addison Road a more preferred north-south route. This will contribute to more traffic volume.

With the present configuration, making left turns from the center lane into restaurants and businesses is somewhat un-safe, and, interrupts the smooth flow of traffic. This can be quite frustrating at peak traffic flow times.

*Upgrading drainage system to accommodate
a 100 year storm event*

Meeting w Ron

10-16-00

1. No Displaced Runway ^{Call} Mark ~~Acervo~~

2. 60 day const schedule? Oct 30th
90 " " " ? 4-6 pm
Need a const sequence

3. ~~Make Plans~~

4. Need the full proposal - 2 pages missing

5. Ditto . . . *

6. Get Costs / Meet Next week
w Barrett / Bill Shipp

7. Loaned Ron Addition Plans
Meet w Council / Trees
Possible Hold

Addison Rd

8-18-00

Meeting w Ron, Chris, Mike, Jap
& J. Burkhoff & Slade

1. keep sidewalks away from curb wherever possible
2. Sidewalk paths thru private property "blessed"
3. Tree loss @ Quorum II bldg unacceptable. @ Sambucis too. Ron & Slade to go look.
4. Patterned & dyed concrete in middle lane OK.

Project pending subject to Slade & Rens field visit.

P.S. Arapaho Phase II - Ron & Slade to look @ tree loss in field.

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.

June 7, 2000

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.
JOHN R. BAUMGARTNER, P.E.

Southwestern Bell Telephone
4801 Matlock Road
Arlington, Texas 76018-1007

Re: Town of Addison, Texas
Addison Road from Beltline to Keller Springs

Gentlemen:

We are enclosing one set of preliminary construction plans for the paving and drainage improvements to Addison Road from Beltline Road to Keller Springs Road in Addison, Texas. We request that you review the plans and notify us of any potential conflict between the proposed improvements and your facilities. If a potential conflict exists, we will attempt to relocate the improvements to protect your facility. If the improvements cannot be relocated you should start your planning to relocate that facility.

The Town of Addison will interpret a non response from you to mean that all your facilities are clear and the ones that are not you are scheduling for there immediate relocation. If you have any questions, please contact us.

Sincerely,



John W. Birkhoff, P.E.

cc: Mr. James Pierce, Jr., P.E. ✓

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June 7, 2000

ROSS L. JACOBS, P.E.
I. C. FINKLEA, P.E.
JOHN R. BAUMGARTNER, P.E.

Mr. Rick Fielding
14400 Josey Lane
Farmers Branch, Texas 75234

Re: Town of Addison, Texas
Addison Road from Beltline to Keller Springs

Gentlemen:

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Sincerely,



John W. Birkhoff, P.E.

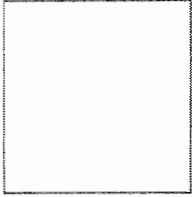
cc: Mr. James Pierce, Jr., P.E. ✓

Addison Rd Meeting
with Slade re Streetlights 3-15-00

Addison Rd — ownership of special S.L.
Work out

Addison Arch Drive (Mildred)
Whose lights are they? (Towns)

Stick loop of wire to prevent
accidental Damage —



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I. C. FINKLEA, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.

March 6, 2000

Mr. Jim C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-0144

Re: Town of Addison, Texas
Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

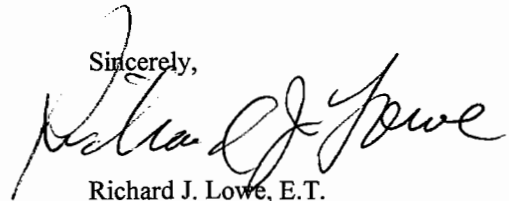
Dear Mr. Pierce:

We are enclosing a copy of the utility and sidewalk easement plats along Addison Road, with descriptions of the following properties:

Avis Rent A Car
Barco Mirror Glass, Inc.
Cross Roads Aviation, Inc. and D. A. Cody
Tom J. Shepherd and Sandra D. Shepherd
Eleanor W. Dedmon
Hope Investments, Ltd.

Please contact us for any additional information.

Sincerely,



Richard J. Lowe, E.T.

Enclosure

Addison Rd Widening

3-7-00

John Bertschhoff, Pat Haggerty, Slade,
Mike, J.P.

Cont. left turn - look & feel different
Central Xway has used patterned concrete
Stay with same pattern in the raised median
Road Humps on Wynnewood look good

Streetlights - Use black finish
Con Whitehead.
Opposing or Staggered
Use combination Streetlights &
pedestrian lights.

Add. Rt Turn lane @ Addison Circle.

Pat: Just hire someone for the one property
EXPIDITE an Appraiser

less than \$5K

Appraisers

Marlin Blake

Mark Hipes

Bond Sale - April 1st or May 1st

Addison Rd Widening

2-7-00

Meeting w John Burkhoff

★ Slade - involved in Street Lights

Style

Color

Staggered or opposing?

Slade - Pavement enhancement - Stamped concrete?
Color it? (Median)

✓ Need a conduit for street lights
& a conduit for interconnect
for signals.

★ Call Greg Heltan re who to send plans
to on Addison Rd
called Greg 2-29-00 → Gas & Electric -

~~Done~~ Get John a set of KSR/Addison Bid Set

Slade - Rt Turn lane config @
Add Arch Drive -

1-10-00

Addison Rd A "GO"

O.H. utilities

10' easement East Side
Notes of Bonds

Will Meander Sidewalks —

1-12-00 Called John Birkhoff
to Restart the project as requested
by John Baumgartner above. Birkhoff
will get back to me in about 2
weeks for a review meeting.

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

John W. Birkhoff, P.E.

7/10/99

Jim.

Exhibit on Addison Road
15' utility easement, some cubed
with sidewalk easement.

Leaving over head - Utility Companies could
most likely line with less easement
width. Water Council makes final
determination, it may be good to survey
utility Companies and see what is
minimum that they need

WJ



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010


(972) 450-2871


16801 Westgrove

September 7, 1999

MEMORANDUM

To: Chris Terry, Assistant City Manager

Through: John Baumgartner, P.E., Director of Public Works 

From: Jim Pierce, P.E., Assistant City Engineer 

Subject: Addison Road Widening, Belt Line Road to Keller Springs Road
Underground Utilities

As part of the design process for the widening of Addison Road, staff has investigated the feasibility of installing all overhead utilities (electric, telephone and cable) in underground conduits to improve the looks of the right-of-way.

TXU Electric, which has a significant transmission line along Addison Road, has estimated that the cost to put their facilities underground would be \$4,100,000. They would allow a credit of \$300,000 since they would not have to relocate their overhead lines to a new location. The cost estimate does not include the cost of twenty eight 20' X 20' easements for pad mounted switchgear and thirty 10' X 10' easements for pad mounted transformers, plus other temporary service costs. There would be an additional cost to convert each customer's service from overhead to underground.

Southwestern Bell Telephone (SWBell) underground costs would add approximately \$350,000. SWBell would provide capacity for other underground users.

Staff is now at the stage of contacting the property owners along Addison Road and we need to be able to tell the property owners along the route our intentions with regard to the utilities. Staff feels that the cost to install the utilities would almost double the cost of the road widening and therefore is not cost effective.

Staff recommends Council approve the reconstruction and widening of Addison Road from Belt Line Road to Keller Springs Road with relocation of the overhead utilities to their required new overhead location.

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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GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

July 21, 1999

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Addison Road

Dear Mr. Pierce:

We are enclosing four sets of preliminary construction plans for the Paving and Drainage Improvements to Addison Road from Beltline to Keller Springs. Our services on this project are on hold until the underground utility duct issue is resolved. These plans are for your use in the acquisition of right of way and/or easements along the roadway.

The plans can also be reviewed. The storm drainage plan is incomplete, waiting resolution of the utility duct banks. Other parts of the plans are ready for review. We are available at your convenience to discuss any questions you may have with this set of preliminary construction plans.

Sincerely,



John W. Birkhoff, P.E.

Enclosure

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July 28, 1999

Mr. Jim C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-0144

Re: Town of Addison, Texas
Addison Road Utility & Sidewalk Easements
Belt Line Road to Keller Springs Road

Dear Mr. Pierce:

We are enclosing a copy of the utility easement plat at White Rock Monsonic Lodge No. 234. Also included is a copy of the Addison Post Office plat showing White Rock Monsonic Lodge as the adjacent property.

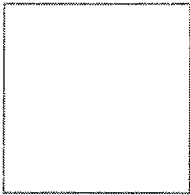
Please contact us for any additional information.

Sincerely,



Richard J. Lowe, E.T.

Enclosure



SHIMEK, JACOBS & FINKLEA, L.L.P.
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July 21, 1999

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

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Sincerely,

John W. Birkhoff, P.E.

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Dallas, Texas 75225-5816

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July 2, 1999

Mr. Jim C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-0144

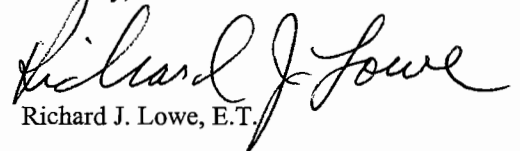
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Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

Dear Mr. Pierce:

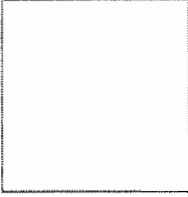
We are enclosing a copy of the utility and sidewalk easement plats along Addison Road, with the exception of the easements located at Solly's Bar B Q and the Warming Hut Ski Shop. We are sending our survey crew to the area to gather additional information and we will forward the plat for that particular area as soon as possible.

Please contact us for any additional information.

Sincerely,


Richard J. Lowe, E.T.

Enclosure



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I. C. FINKLEA, P.E.

July 14, 1999

Mr. Jim C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-0144

Re: Town of Addison, Texas
Addison Road Utility & Sidewalk Easements
Belt Line Road to Keller Springs Road

Dear Mr. Pierce:

We are enclosing a copy of the utility and sidewalk easement plat at Solly's Bar B Q and the Warming Hut Ski Shop at the intersection of Belt Line Road and Addison Road. This will complete the set of plats with additional information as per your comments.

Please contact us for any additional information.

Sincerely,

Richard J. Lowe, E.T.

Enclosure

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JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

June 17, 1999

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Addison Road
Beltline to Keller Springs

Dear Mr. Pierce:

We are enclosing a set of Preliminary Sidewalk Right of Way and Utility Easement plats along Addison Road from Beltline to Keller Springs. These plats delineate a 15 foot utility easement directly behind the future back of curb and the side walk as currently envisioned. These routes follow the large roll exhibit that you currently have in your possession. The alignment of the sidewalk pulls it off the roadway and attempts to provide a pleasing route between the businesses from Beltline to the Addison Conference Center to the north.

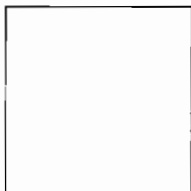
It is our understanding that these documents will be used to approach property owners on the concept of a flow through sidewalk and for placing the existing overhead utilities underground. Once the Town has finalized the plan we will prepare the field note descriptions and dimension the plats accordingly. We are available at your convenience to discuss any questions you may with the enclosed documents.

Sincerely,



John W. Birkhoff, P.E.

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GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

April 30, 1999

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Paving and Drainage Improvements
Addison Road

Dear Mr. Pierce:

We are enclosing two copies of the exhibits for the proposed sidewalk alignment between the Conference Center and Beltline Road for your review. I am ready to meet with you and walk the project to fine-tune the sidewalk alignment, prior to you presenting the layout to the property owners.

Also enclosed are the exhibits for the utility duct bank system being considered. These exhibits are for distribution to the utility companies to get feedback on their needs. We recommend that you should approach the utilities that you have a contact with. Other utility companies can be contacted by mail requesting a response. We are available to contact all or some of the current or potential users of these duct banks. We envision the Town's street light system and the traffic signal interconnect system to utilize this conduit system.

Please notify us of your desires for distribution of the exhibits to the utility companies. We are available at your convenience to discuss any questions you may have with the exhibits, or the need to contact the utility companies.

Sincerely,

John W. Birkhoff, P.E.

Enclosure

Addison Rd. Widening

4-15-99

John Birkhoff, John, Jim

Wind sidewalks thru the various properties

When do we put the dust banks

• Behind Present Sidewalk

• " " " " Conduits -

Bore under Quorum Center Garage?

Conflict with VSTs @ airport

Put Storm Sewer on one side - No
const. in middle

Get ready to meet with Whitehead - Show 7'
Sidewalk on each side -

Sterile Look mitigation

Money to be spent

Const. Inconveniences

Redevelopment Concept - Bldg. Close to Rd.?

Color Concrete thru Lane / Sidewalk

Meet one week from Monday (26th) @ 10:30 w Ron?
4/23/99 Met with Ron, John & John Birkhoff

Decisions - Prop no sidewalk on Airport side

Try to weave sidewalk to get it away from road



FAX TRANSMITTAL

PROJECT: _____ PROJECT NO.: _____

TO: Mike Murphy FAX: 972/450-2837

Town of Addison FAX: _____

Public Works Department FAX: _____

FROM: Wendy Martinez DATE: 4/14/99

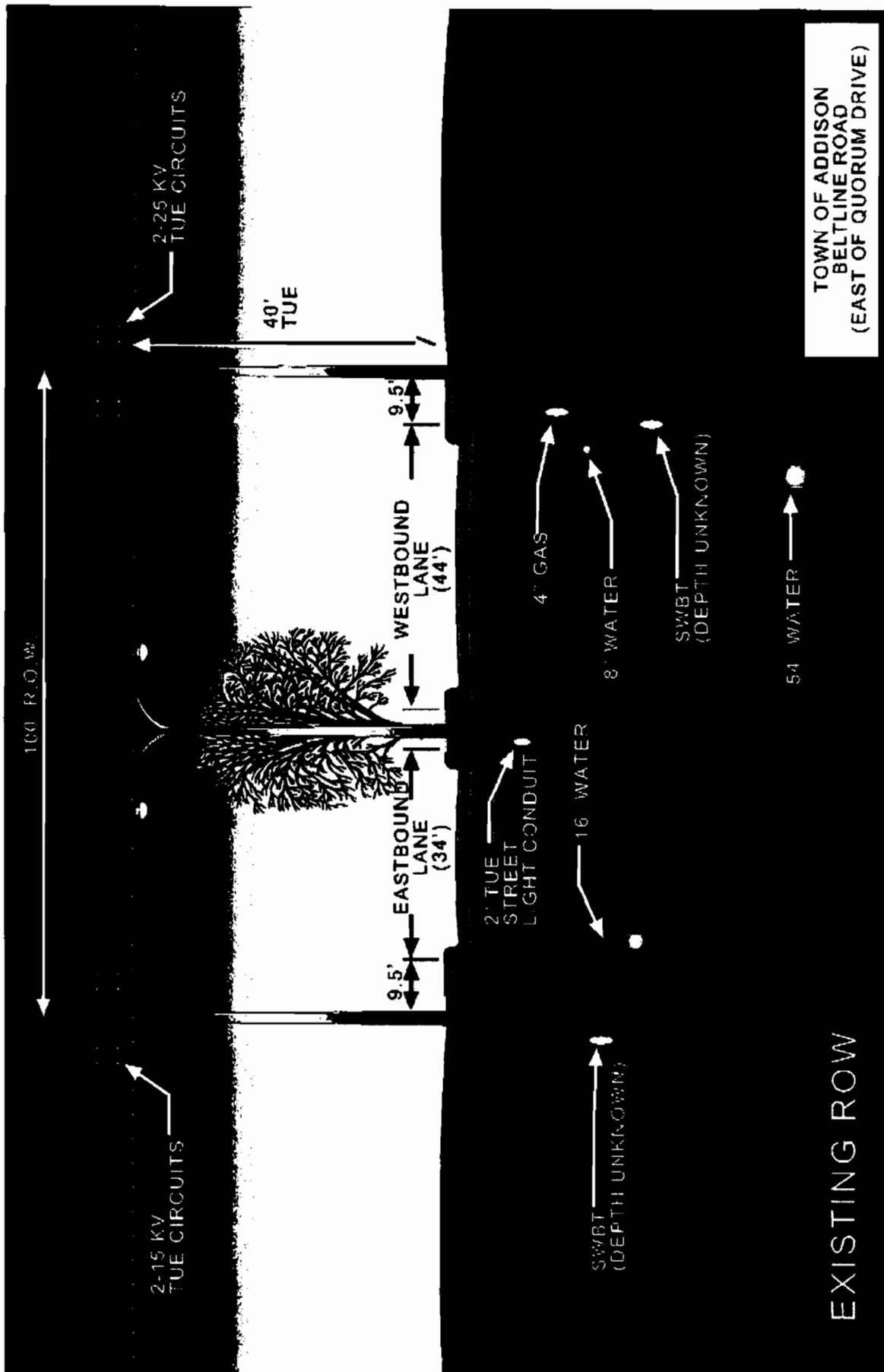
C&B Telephone Number: 214/638-0145

C&B FAX Number: 214/638-5632

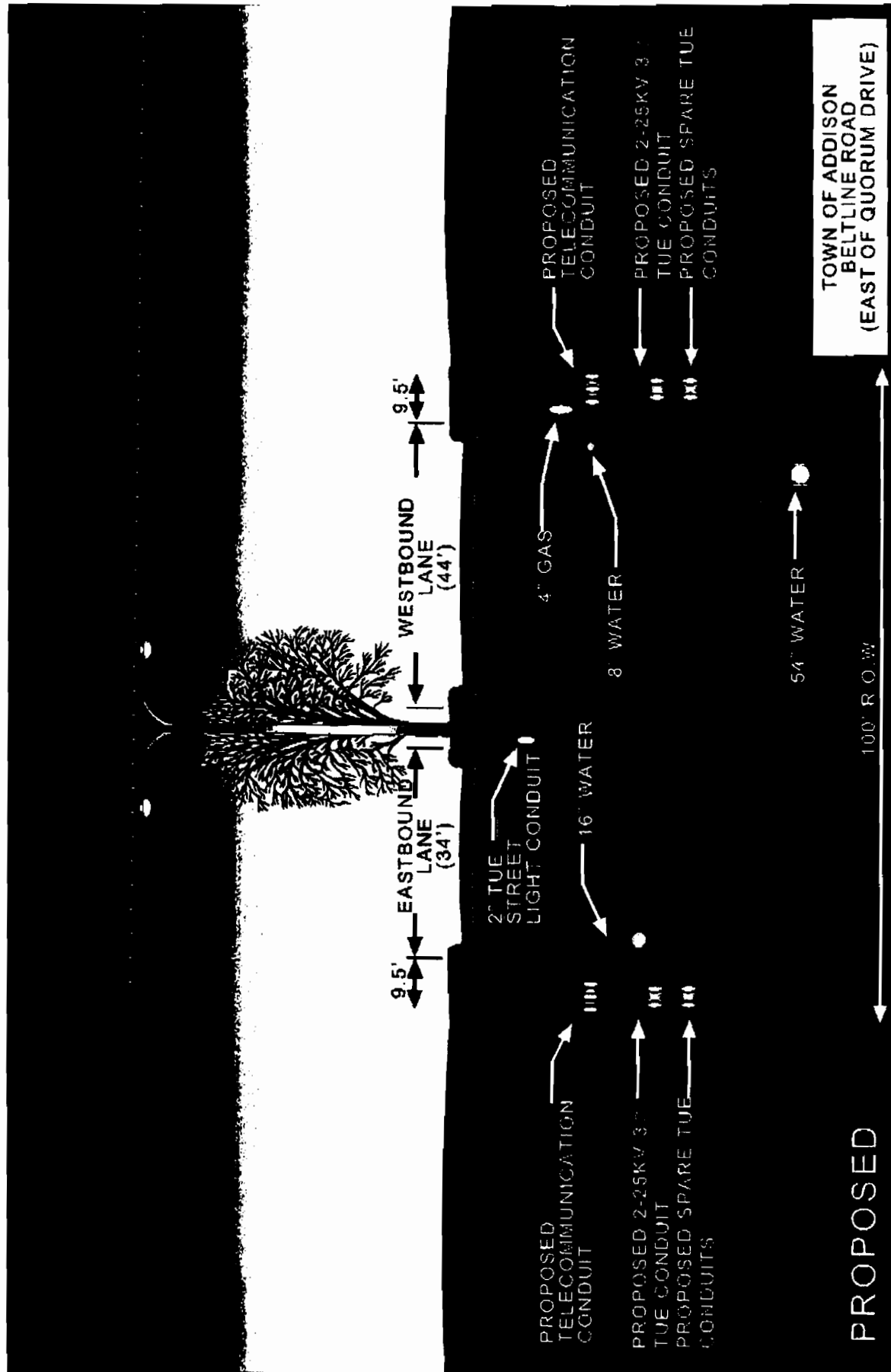
REMARKS: Total number of pages transmitted, including this page: 3

Hi Mike,

I am sending you two cross-sections (proposed and existing) for your use. Let me know if you need anything else.



*Storm Sewer
Sanitary
Irrigation*



Addison Rd Widening
Underground Utilities
Meeting w Mike & Robin

4-14-99

Advised Mike & Robin of Town's desire to put utilities underground along Addison Rd. SW Bell & TU has been notified of the plan.

Will Town participate in cost or will utilities have to pay the cost? Mike will investigate

Will the work be done in accordance with the new ordinance covering utilities in ROW (ROW Management Plan)?

Where will they need to go?

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

*John -
FYI
jed*

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

ROSS L. JACOBS, P.E.
RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

March 19, 1999

*Jim -
what is the
answer to Birkhoff's
questions.
jed*

Mr. James C. Pierce, Jr., P.E., DEE
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Paving and Drainage Improvements
Addison Road

Dear Mr. Pierce:

We are enclosing the right of way strip map for Addison Road from Beltline to Keller Springs. The strip map was developed from actual deed information and from additional field surveys to locate iron pins identified in the deed information. The right of way between Beltline and the railroad turned out to be different than that assumed from the initial iron pins and topographic survey. We are in the process of shifting the proposed paving alignment accordingly. The paving alignment shown on the strip map is correct.

From the strip map the following will need to be determined by the Town of Addison:

1. Corner clip size at existing roadway and alley intersections.
2. Drainage easement size for recessed inlets and type "Y" inlets. *5' all around*
3. Right of way or roadway easement need to be acquired at the Polyphase property south of Broadway. *change to*
4. A design speed of 45mph results in the proposed roadway encroaching on the Concourse Plaza *40 mph* property just south of Keller Springs.

For information purposes we are enclosing a preliminary copy of the construction plans as they exist today. We anticipate it will take approximately one week to make modifications to the plans to conform to the information found during the preparation of the right of way strip map. Once that is complete we will submit the plans formally for your review. Once we have the review comments, we will forward the plans to the Parsons Group for the traffic control plans including the signal interconnects.

Also enclosed is a sidewalk alignment concept plan. You may want to start having Slade Strickland involved as this will lead to enhancements along the roadway.

Mr. James C. Pierce, Jr., P.E., DEE
Town of Addison
03/19/99
Page No. 2

We are available at your convenience to discuss any questions you may have with the right of way strip map, our concerns with the right of way or the preliminary construction plans.

Sincerely,

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

John W. Birkhoff, P.E.

Enclosure



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

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

ROSS L. JACOBS, P.E.
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JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

March 19, 1999

Mr. James C. Pierce, Jr., P.E., DEE
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Paving and Drainage Improvements
Addison Road

Dear Mr. Pierce:

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Mr. James C. Pierce, Jr., P.E., DEE
Town of Addison
03/19/99
Page No. 2

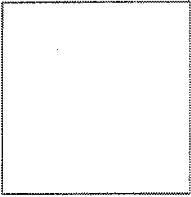
We are available at your convenience to discuss any questions you may have with the right of way strip map, our concerns with the right of way or the preliminary construction plans.

Sincerely,

A handwritten signature in black ink, appearing to read "John W. Birkhoff". The signature is fluid and cursive, with the first name "John" being the most prominent.

John W. Birkhoff, P.E.

Enclosure



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

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

ROSS L. JACOBS, P.E.
RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

March 08, 1999

Mr. Jim C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-0144

Re: Town of Addison, Texas
Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

Dear Mr. Pierce:

We are enclosing a copy of the soil report prepared by Haston Associates on January 15, 1999.

Please contact us for any additional information.

Sincerely,

Richard J. Lowe, E.T.

Enclosure

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

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

ROSS L. JACOBS, P.E.
RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

February 23, 1999

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Addison Road Paving and Drainage Schedule

Dear Mr. Pierce:

We are enclosing one copy of our revised schedule for completion of our services on the Addison Road project. We are having difficulties obtaining information from the utility companies (TU Electric, SWBT, MFS, etc.). We are calling daily attempting to meet face to face. We are available at your convenience to discuss this schedule.

Sincerely,



John W. Birkhoff, P.E.

Enclosure

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

John W. Birkhoff, P.E.

2/25/99

Jim,

Copy of preliminary Strip Maps

Based on deeds we have in

hand, survey crew will make
another attempt pick up iron pins.

As you know the initial attempt
resulted in a handful of pins. The crew
will work front and back lot pins.

Additional pins will allow us to
better establish ROW prior to
acquisition of ROW, easements etc.

JWB.

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

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

ROSS L. JACOBS, P.E.
RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

February 26, 1999

Mr. Jim C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
16801 Westgrove Drive
Addison, Texas 75001-0144

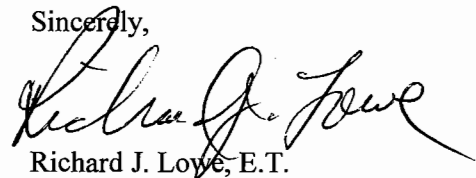
Re: Town of Addison, Texas
Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

Dear Mr. Pierce:

We are enclosing four copies of a 200 scale vicinity map and four copies of a 100 scale plan drawing, indicating areas that needs to be T.V.'d. as per your request.

Please contact us if additional information is required.

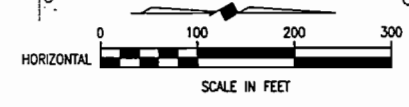
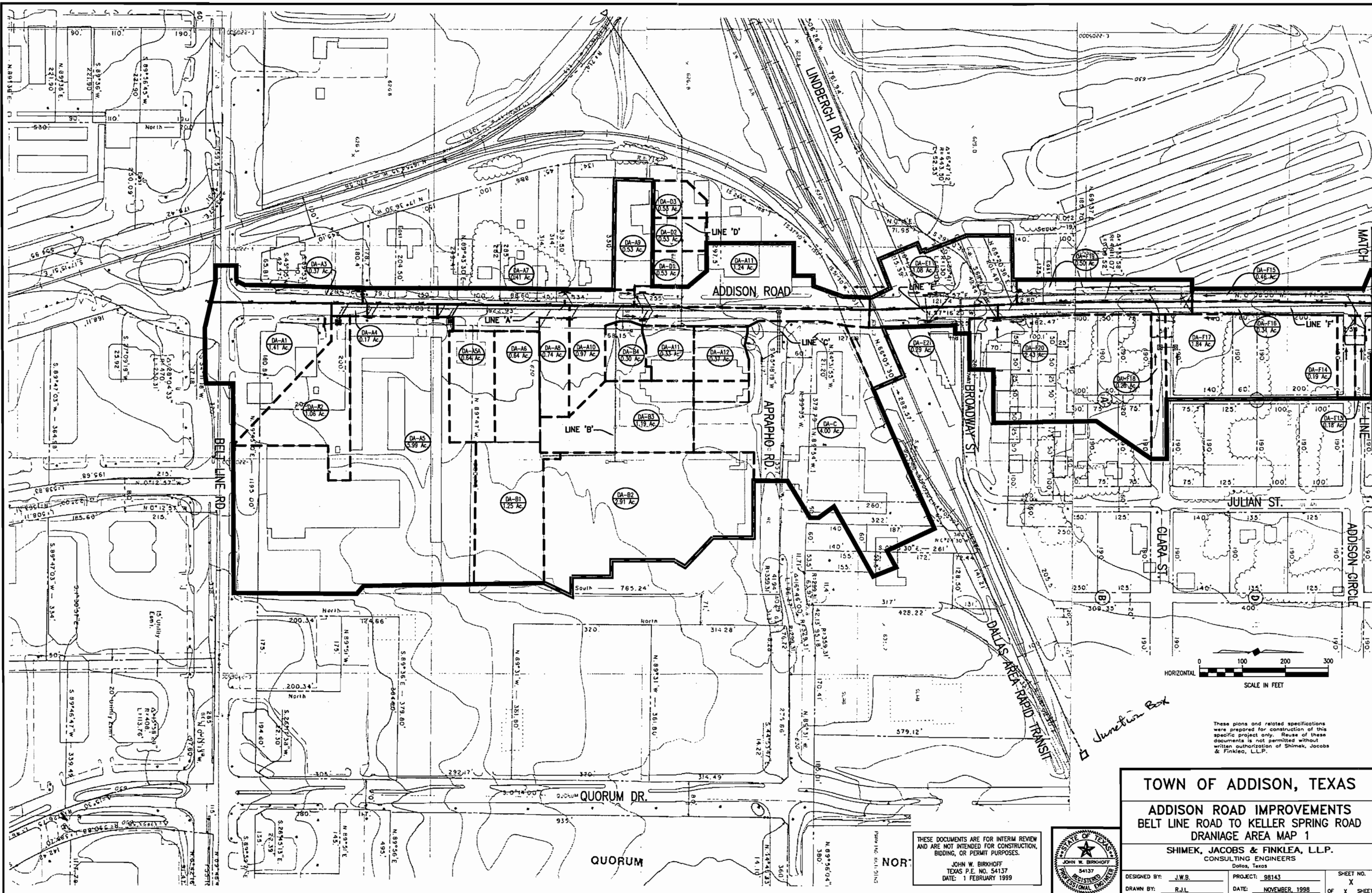
Sincerely,



Richard J. Lowe, E.T.

Enclosure

PROJECT: ADDISON 98143 DRAINAGE 98143.DRN.DWG 02/01/99 R.L. SCALE: 1=100 BLOCKS: ADDISONRANI.TIF



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 & Finklea, L.L.P.

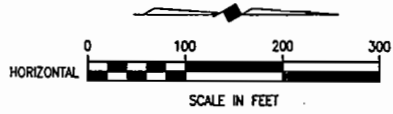
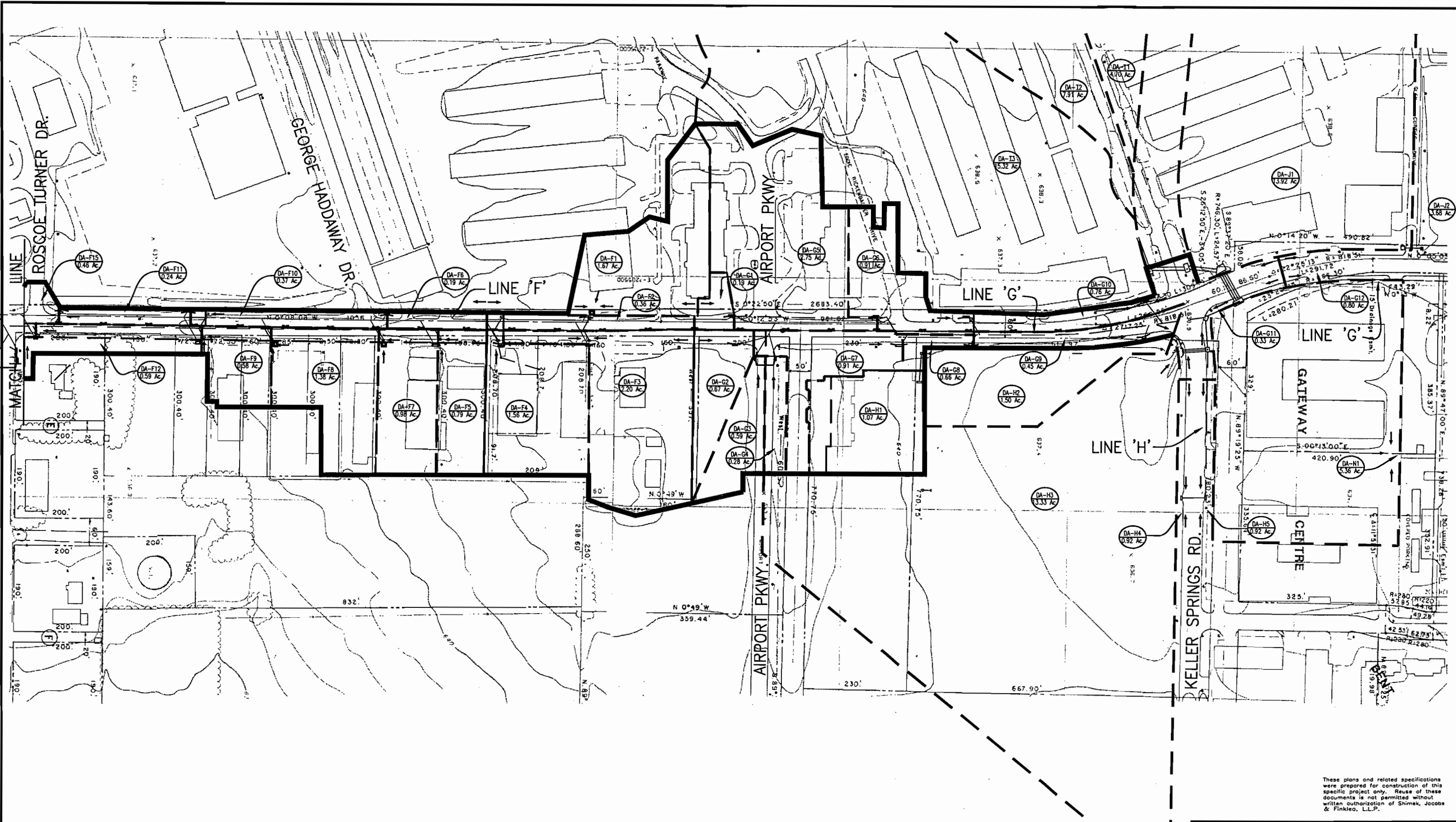
TOWN OF ADDISON, TEXAS ADDISON ROAD IMPROVEMENTS BELT LINE ROAD TO KELLER SPRING ROAD DRAINAGE AREA MAP 1

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: 1 FEBRUARY 1999

DESIGNED BY: J.W.B.	PROJECT: 98143	SHEET NO. X
DRAWN BY: R.J.L.	DATE: NOVEMBER, 1998	OF X SHEETS



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: 1 FEBRUARY 1999



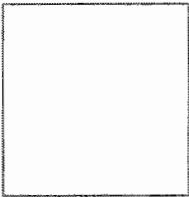
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TOWN OF ADDISON, TEXAS

**ADDISON ROAD IMPROVEMENTS
 BELT LINE ROAD TO KELLER SPRING ROAD
 DRAINAGE AREA MAP 2**

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

DESIGNED BY: J.W.B.	PROJECT: 98143	SHEET NO. X
DRAWN BY: R.J.L.	DATE: FEBRUARY, 1999	OF X 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

ROSS L. JACOBS, P.E.
RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

February 25, 1999

M.C.I. World Comp
National Support/Investigations
Mr. Cal VanWagner
2250 Lakeside Boulevard
Richardson, Texas 75082

Re: Town of Addison, Texas
Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

Dear Mr. VanWagner:

We are enclosing a vicinity map indicating the location of our project for Addison Road Paving & Drainage Improvements from Belt Line Road to Keller Springs Road, in the Town of Addison. We request that you review the map for any existing and proposed fiber optics along Addison Road. Please mail and/or fax any records you can share with us indicating the depth and elevations of your utilities.

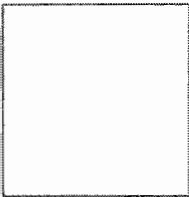
We are proceeding rapidly to submit this project to Addison, and your attention to this matter would be appreciated. If you have any questions, please contact us.

Sincerely,

Richard J. Lowe, E.T.

Enclosure

cc: Mr. John R. Baumgartner, P.E.



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

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

ROSS L. JACOBS, P.E.
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JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

February 25, 1999

AT&T
Mr. Larry Gummelt
3910 San Jacinto
Dallas, Texas 75204

Re: Town of Addison, Texas
Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

Dear Mr. Larry Gummelt:

We are enclosing a vicinity map indicating the location of our project for Addison Road Paving & Drainage Improvements from Belt Line Road to Keller Springs Road, in the Town of Addison. We request that you review the map for any existing and proposed services along Addison Road. Please mail and/or fax any records you can share with us indicating the depth and elevations of your utilities.

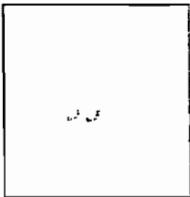
We are proceeding rapidly to submit this project to Addison, and your attention to this matter would be appreciated. If you have any questions, please contact us.

Sincerely,

Richard J. Lowe, E.T.

Enclosure

cc: Mr. John R. Baumgartner, P.E.



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

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

ROSS L. JACOBS, P.E.
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JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

February, 17, 1999

Mr. Bob Sands
Southwestern Bell Telephone
275 N. Greenville Ave., 2nd Floor
Richardson, Texas 75081

Re: Town of Addison, Texas
Addison Road Paving & Drainage Improvements
Belt Line Road to Keller Springs Road

Dear Mr. Sands:

We are enclosing two sets of preliminary construction plans for the Addison Road Paving & Drainage Improvements from Belt Line Road to Keller Springs Road in the Town of Addison. We request that you review these plans and indicate the locations of existing and proposed cables and fiber optics along Addison Road. Any records you can share with us indicating the depth and elevations of your utilities, will be appreciated. After you have finished reviewing the plans, we will send a carrier to your location for pickup.

We are proceeding rapidly to submit this project to Addison, and your attention to these plans would be appreciated. If you have any questions, please contact us.

Sincerely,


Richard J. Lowe, E.T.

Enclosure

cc: Mr. John R. Baumgartner, P.E. ✓

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.
I. C. FINKLEA, P.E.

February 8, 1999

Mr. James C. Pierce, Jr., P.E., DEE
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Addison Road

Dear Mr. Pierce:

Based on our last meeting, we are proceeding with the design of the storm drainage for Addison Road based on utilizing the existing storm sewers and paralleling with separate lines where necessary. We request that the existing storm sewer lines be televised to determine the condition of the pipe. We are enclosing a copy of the drainage area map high lighting the storm sewers that need to be televised. It is our understanding that you will schedule the Town's crews to complete this work. We are available at your convenience to discuss any questions you may with our request or the location of the storm sewers shown on the attached drainage area maps.

Sincerely,

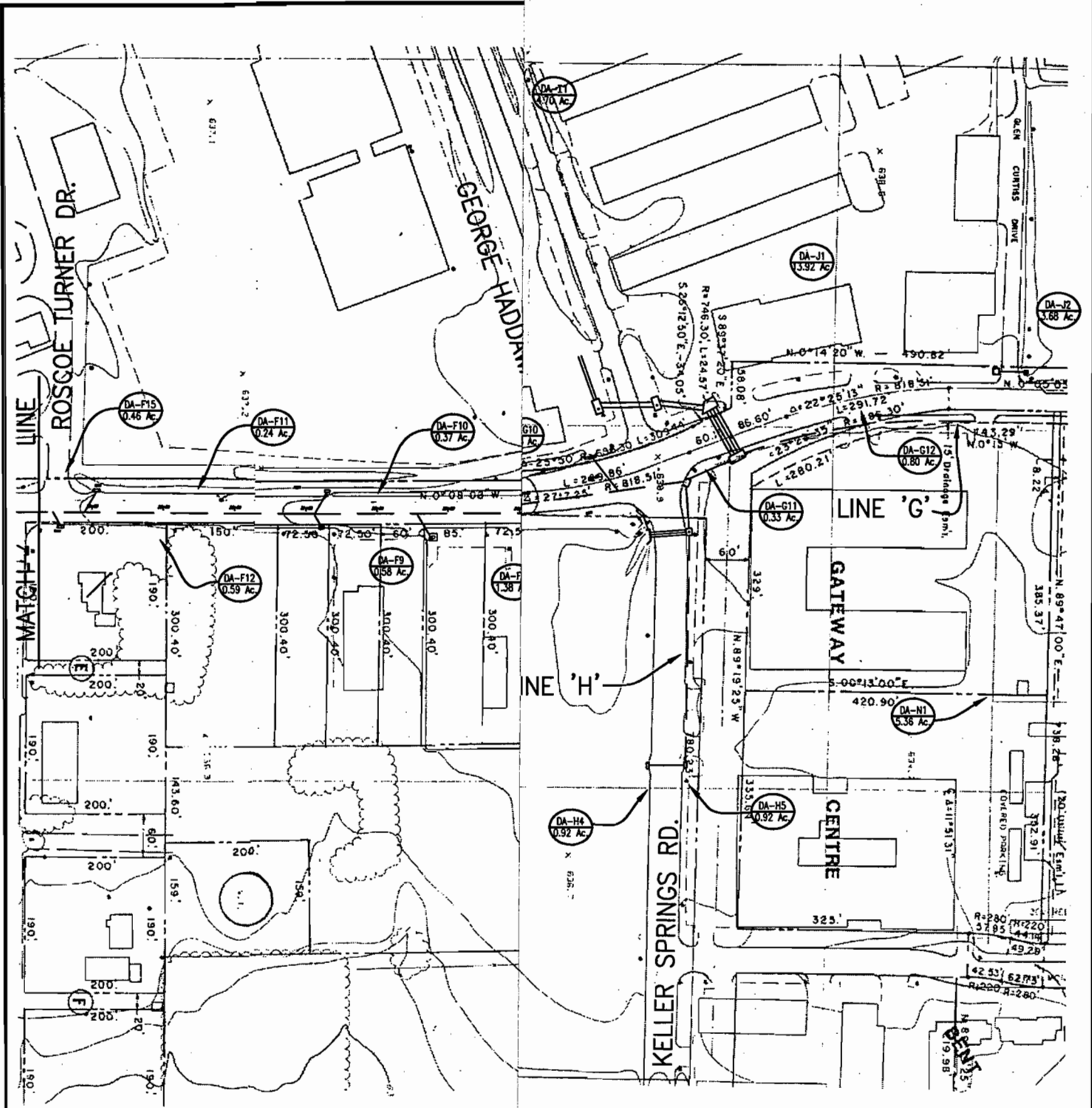


John W. Birkhoff, P.E.

Enclosure

2-8-99

Mike - Please
Schedule this work ASAP
Please put on tape for
viewing by John Birkhoff
jwp.



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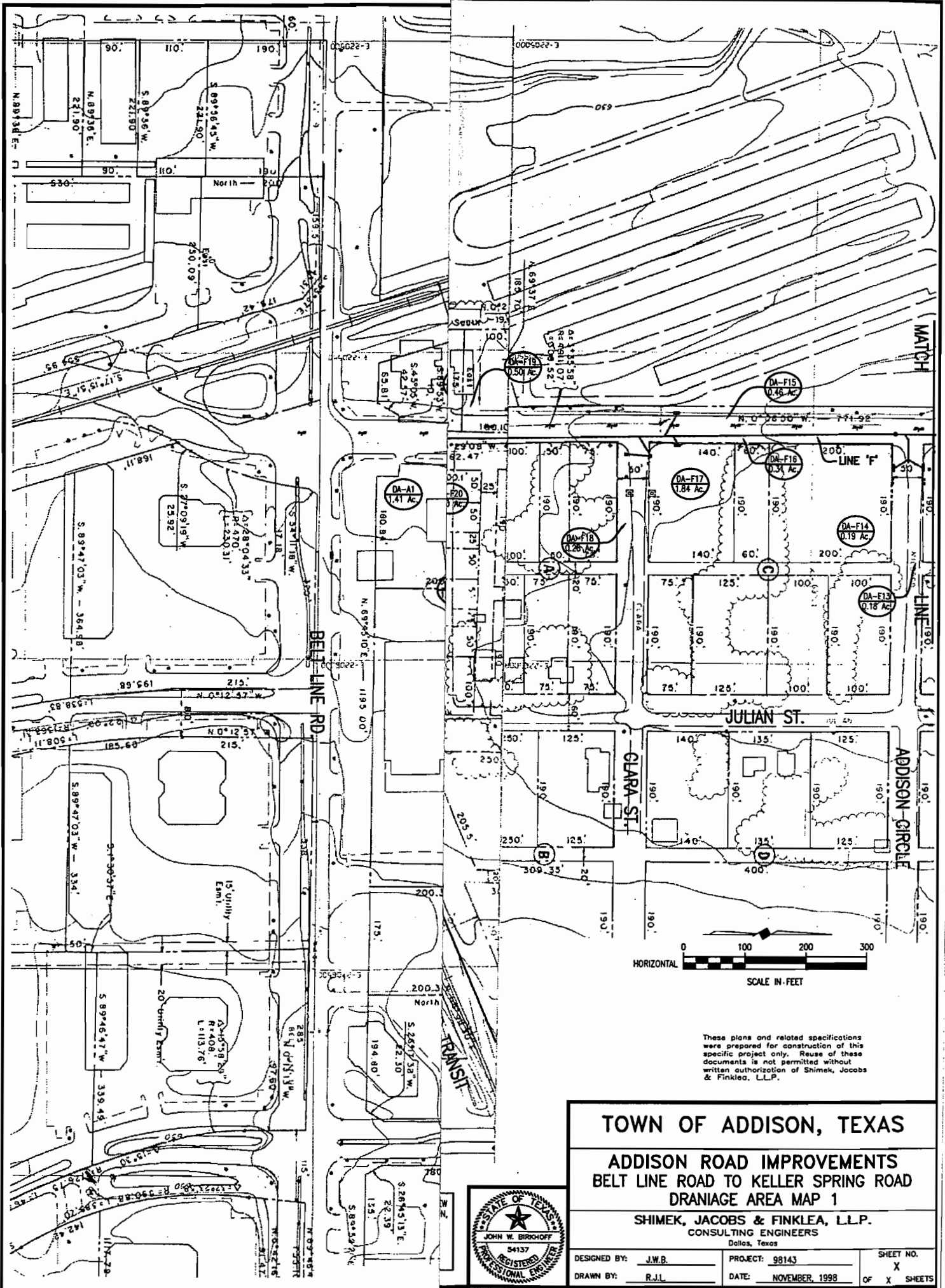
TOWN OF ADDISON, TEXAS

**ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO KELLER SPRING ROAD
DRAINAGE AREA MAP 2**

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



DESIGNED BY: J.W.B.	PROJECT: 98143	SHEET NO. X
DRAWN BY: R.J.L.	DATE: FEBRUARY, 1999	OF X SHEETS



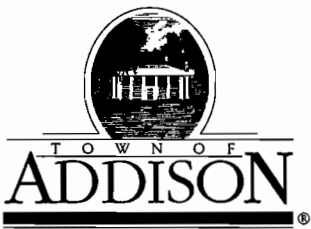
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TOWN OF ADDISON, TEXAS
ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO KELLER SPRING ROAD
DRAINAGE AREA MAP 1

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



DESIGNED BY: J.W.B.	PROJECT: 98143	SHEET NO. X
DRAWN BY: R.J.L.	DATE: NOVEMBER, 1998	OF X SHEETS



Public Works / Engineering
 16801 Westgrove • P.O. Box 9010
 Addison, Texas 75001
 Telephone: (972) 450-2871 • Fax: (972) 450-2837

LETTER OF TRANSMITTAL

DATE	2-4-99	JOB NO.	
ATTENTION			
RE:	Addison Rd Widening		

TO Richard Lowe
Shimek, Jacobs & Finklea

GENTLEMAN:

WE ARE SENDING YOU

- Attached
- Under separate cover via _____ the following items:
- Shop Drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- _____

Bin #

COPIES	DATE	NO.	DESCRIPTION
1	52-7		Intersection Improvements Addison @ Belt line - AS Built 3/01
1	B4-4		Drainage @ Inwood & Beltline - 1 sheet
1	B7-12		Plaza @ Quorum II (set)
1	B8-6		Quorum West (set)
1	B8-7		14850 Landmark (set)
1	B8-13		Comfort Inn (set)
1	B4-7		Mildred Street Improvements (set)

THESE ARE TRANSMITTED as checked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE _____ 19____
- Approved as submitted
- Approved as noted
- Returned for corrections
- _____
- Resubmit _____ copies for approval
- Submit _____ copies for distribution
- Return _____ corrected prints
- PRINTS RETURNED AFTER LOAN TO US

REMARKS Please return asap

Received Kelvin Lowe

COPY TO _____

SIGNED: Jim Lewis

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

Addison Rd Widening

2-2-99

✓ All future intersection's included in design -

✓ Use of slotted drains -

✓ Addison Arts & Events - Rt turn lane / North?
-NO-

No - Install fiber optic ducts for future?

Try to save RIP Rap downstream of Arapaho &
Shift the ditch more into our existing ROW

Comfort Inn

Need → Quality Suites

→ La Quinta

Drainage areas

South of Belt line

14925 - Bldg Dept

Bet BL & Arap - Storm sewer inadequate
(yellow) Prob. Parallel the Septer

Green area - preference is to parallel

B4-7

Need → Mildred Street 1990 - Addison Conf &
Theatre Center

~~Need → Add Circle Phase I plans~~

Next Bldg South of La Quinta

~~Schedule~~

John loaned Addison Circle Master
Infrastructure Plan & Report

Look @ Trench Drains in Blue Area
where property drops off

Need a strip map - (10' Sidewalk &
Utilities Easement)

14925 La Quinta

B8-7 14850 Landmark -

B8-13 14975 Landmark Comfort Inn
Bldg Dept Has plans too.

B8-6 Quorum West

B7-12 Quorum II

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINE "A,B,C & D"

Project: 98143

Client: Town of Addison, Texas

Date: 12/08/98

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (25 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (ft./ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks	
Upstream Station	Downstream Station		Area No.	Drainage Area (Ac.)	Runoff Coeff. "C"																
1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16	17	18	19	20	
Line A																					
793.60	732.20	61.40	1A	2.02	0.90	1.82	1.82	10.00	25	7.29	13.27	0.0010	1	30	2.70	1	0.00	0.38	10.38		
732.20	726.10	6.10	2A	0.36	0.90	0.32	2.14	10.38	25	7.18	15.38	0.0014	1	30	3.13	1	0.04	0.03	10.41		
726.10	534.90	191.20	3A	0.51	0.90	0.46	2.60	10.41	25	7.17	18.65	0.0021	1	30	3.80	1	0.07	0.84	11.25		
534.90	306.30	228.60	4A & 5A	6.63	0.90	5.97	8.57	11.25	25	6.95	59.55	0.0035	1	42	6.19	1	0.37	0.62	11.87		
306.30	147.80	158.50	6A	0.64	0.90	0.58	9.14	11.87	25	6.83	62.45	0.0019	1	48	4.97	1	0.00	0.53	12.40		
147.80	89.80	58.00	7A thru 7E	7.47	0.90	6.72	15.87	12.40	25	6.72	106.63	0.0055	1	48	8.49	1	0.73	0.11	12.51		
89.80	67.00	22.80	8A, 8A1 & 8B	2.08	0.90	1.87	17.74	12.51	25	6.70	118.85	0.0068	1	48	9.46	1	0.27	0.04	12.55		
67.00	0.00	67.00	9A	0.33	0.90	0.30	18.04	12.55	25	6.69	120.66	0.0071	1	48	9.60	1	0.04	0.12	12.67		
				20.04																	
Line B																					
0.00	225.70	225.70	B	4.00	0.90	3.60	3.60	11.76	25	6.85	24.66	0.0036	1	30	5.02	1	0.00	0.75	12.51		
Line C																					
180.10	151.10	29.00	C	0.37	0.90	0.33	0.33	10.00	25	7.29	2.41	0.0005	1	18	1.36	1	0.03	0.36	10.36		
151.10	0.00	151.10	C	0.00	0.90	0.00	0.33	10.36	25	7.18	2.37	0.0000	1	30	0.48	1	0.00	5.22	15.57		
Line D																					
749.90	667.30	82.60	A,B & C	24.41	0.90	21.97	21.97	12.21	25	6.76	148.52	0.0033	1	60	7.56	1	0.00	0.18	12.39		
667.30	584.60	82.70	D2	0.23	0.90	0.21	22.18	12.39	25	6.72	149.02	0.0033	1	60	7.59	1	0.01	0.18	12.57		
584.60	493.50	91.10	D2	0.23	0.90	0.21	22.38	12.57	25	6.69	149.74	0.0033	1	60	7.63	1	0.01	0.20	12.77		
493.50	0.00	493.50	D4	0.23	0.90	0.21	22.59	12.77	25	6.65	150.22	0.0033	1	60	7.65	1	0.01	1.08	13.85		

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINE "A,B,C & D"

Project: 98143

Client: Town of Addison, Texas

Date: 12/08/98

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (50 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (El./Ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Line A																				
793.60	732.20	61.40	1A	2.02	0.90	1.82	1.82	10.00	50	8.01	14.58	0.0013	1	30	2.97	1	0.00	0.34	10.34	
732.20	726.10	6.10	2A	0.36	0.90	0.32	2.14	10.34	50	7.93	16.99	0.0017	1	30	3.46	1	0.05	0.03	10.37	
726.10	534.90	191.20	3A	0.51	0.90	0.46	2.60	10.37	50	7.92	20.60	0.0025	1	30	4.20	1	0.09	0.76	11.13	
534.90	306.30	228.60	4A & 5A	6.63	0.90	5.97	8.57	11.13	50	7.77	66.57	0.0044	1	42	6.92	1	0.47	0.55	11.68	
306.30	147.80	158.50	6A	0.64	0.90	0.58	9.14	11.68	50	7.66	70.04	0.0024	1	48	5.57	1	0.00	0.47	12.16	
147.80	89.80	58.00	7A thru 7E	7.47	0.90	6.72	15.87	12.16	50	7.56	119.95	0.0070	1	48	9.55	1	0.93	0.10	12.26	
89.80	67.00	22.80	8A, 8A1 & 8B	2.08	0.90	1.87	17.74	12.26	50	7.55	133.93	0.0087	1	48	10.66	1	0.35	0.04	12.29	
67.00	0.00	67.00	9A	0.33	0.90	0.30	18.04	12.29	50	7.54	135.99	0.0090	1	48	10.82	1	0.05	0.10	12.40	
				20.04																
Line B																				
0.00	225.70	225.70	B	4.00	0.90	3.60	3.60	11.76	50	7.65	27.54	0.0045	1	30	5.61	1	0.00	0.67	12.43	
Line C																				
180.10	151.10	29.00	C	0.37	0.90	0.33	0.33	10.00	50	8.01	2.64	0.0006	1	18	1.50	1	0.03	0.32	10.32	
151.10	0.00	151.10	C	0.00	0.90	0.00	0.33	10.32	50	7.94	2.62	0.0000	1	30	0.53	1	0.00	4.72	15.04	
Line D																				
749.90	667.30	82.60	A,B & C	24.41	0.90	21.97	21.97	12.21	50	7.56	166.09	0.0041	1	60	8.46	1	0.00	0.16	12.37	
667.30	584.60	82.70	D2	0.23	0.90	0.21	22.18	12.37	50	7.53	166.99	0.0041	1	60	8.50	1	0.01	0.16	12.53	
584.60	493.50	91.10	D2	0.23	0.90	0.21	22.38	12.53	50	7.49	167.65	0.0041	1	60	8.54	1	0.01	0.18	12.71	
493.50	0.00	493.50	D4	0.23	0.90	0.21	22.59	12.71	50	7.46	168.52	0.0042	1	60	8.58	1	0.01	0.96	13.67	

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINE "A,B,C & D"

Project: 98143

Client: Town of Addison, Texas
Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (100 YR.)

Date: 12/08/98
By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (cfs.)	Slope of Hydraulic Gradient (ft./ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Line A																				
793.60	732.20	61.40	1A	2.02	0.90	1.82	1.82	10.00	100	8.74	15.91	0.0015	1	30	3.24	1	0.00	0.32	10.32	
732.20	726.10	6.10	2A	0.36	0.90	0.32	2.14	10.32	100	8.63	18.49	0.0020	1	30	3.77	1	0.06	0.03	10.34	
726.10	534.90	191.20	3A	0.51	0.90	0.46	2.60	10.34	100	8.62	22.42	0.0030	1	30	4.57	1	0.10	0.70	11.04	
534.90	306.30	228.60	4A & 5A	6.63	0.90	5.97	8.57	11.04	100	8.41	72.06	0.0051	1	42	7.49	1	0.55	0.51	11.55	
306.30	147.80	158.50	6A	0.64	0.90	0.58	9.14	11.55	100	8.28	75.71	0.0028	1	48	6.03	1	0.00	0.44	11.99	
147.80	89.80	58.00	7A thru 7E	7.47	0.90	6.72	15.87	11.99	100	8.15	129.32	0.0081	1	48	10.29	1	1.08	0.09	12.08	
89.80	67.00	22.80	8A, 8A1 & 8B	2.08	0.90	1.87	17.74	12.08	100	8.14	144.40	0.0101	1	48	11.49	1	0.41	0.03	12.11	
67.00	0.00	67.00	9A	0.33	0.90	0.30	18.04	12.11	100	8.13	146.63	0.0104	1	48	11.67	1	0.06	0.10	12.21	
				20.04																
Line B																				
0.00	225.70	225.70	B	4.00	0.90	3.60	3.60	11.76	100	8.21	29.56	0.0052	1	30	6.02	1	0.00	0.62	12.38	
Line C																				
180.10	151.10	29.00	C	0.37	0.90	0.33	0.33	10.00	100	8.74	2.88	0.0008	1	18	1.63	1	0.04	0.30	10.30	
151.10	0.00	151.10	C	0.00	0.90	0.00	0.33	10.30	100	8.74	2.88	0.0000	1	30	0.59	1	0.00	4.29	14.58	
Line D																				
749.90	667.30	82.60	A, B & C	24.41	0.90	21.97	21.97	12.21	100	8.10	177.96	0.0047	1	60	9.06	1	0.00	0.15	12.36	
667.30	584.60	82.70	D2 1	0.23	0.90	0.21	22.18	12.36	100	8.07	178.96	0.0047	1	60	9.11	1	0.01	0.15	12.51	
584.60	493.50	91.10	D2 2	0.23	0.90	0.21	22.38	12.51	100	8.06	180.41	0.0048	1	60	9.19	1	0.02	0.17	12.68	
493.50	0.00	493.50	D4 3	0.23	0.90	0.21	22.59	12.68	100	8.05	181.85	0.0049	1	60	9.26	1	0.02	0.89	13.57	

**SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS**

EXISTING STORM SEWER LINE "A,B,C & D"

Project: 98143

**Client: Town of Addison, Texas
Project: Belt Line Road To Keller Springs Road**

STORM SEWER CALCULATIONS (100 YEAR)

**Date: 01/15/99
By: R.J.L.**

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (Fl./Fl.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
										Line A										
793.60	732.20	61.40	1A	2.02	0.90	1.82	1.82	10.00	100	8.74	15.91	0.0015	1	30	3.24	1	0.00	0.32	10.32	
732.20	726.10	6.10	2A	0.36	0.90	0.32	2.14	10.32	100	8.63	18.49	0.0020	1	30	3.77	1	0.06	0.03	10.34	
726.10	534.90	191.20	3A	0.51	0.90	0.46	2.60	10.34	100	8.62	22.42	0.0030	1	30	4.57	1	0.10	0.70	11.04	
534.90	306.30	228.60	4A & 5A	6.63	0.90	5.97	8.57	11.04	100	8.41	72.06	0.0051	1	42	7.49	1	0.55	0.51	11.55	
306.30	147.80	158.50	6A	0.64	0.90	0.58	9.14	11.55	100	8.28	75.71	0.0028	1	48	6.03	1	0.00	0.44	11.99	
147.80	89.80	58.00	7A thru 7E	7.47	0.90	6.72	15.87	11.99	100	8.15	129.32	0.0081	1	48	10.29	1	1.08	0.09	12.08	
89.80	67.00	22.80	8A, 8A1 & 8B	2.08	0.90	1.87	17.74	12.08	100	8.14	144.40	0.0101	1	48	11.49	1	0.41	0.03	12.11	
67.00	0.00	67.00	9A	0.33	0.90	0.30	18.04	12.11	100	8.13	146.63	0.0104	1	48	11.67	1	0.06	0.10	12.21	
				20.04																
										Line B										
0.00	225.70	225.70	B	4.00	0.90	3.60	3.60	11.76	100	8.21	29.56	0.0052	1	30	6.02	1	0.00	0.62	12.38	
										Line C										
180.10	151.10	29.00	C	0.37	0.90	0.33	0.33	10.00	100	8.74	2.88	0.0008	1	18	1.63	1	0.04	0.30	10.30	
151.10	0.00	151.10	C	0.00	0.90	0.00	0.33	10.30	100	8.74	2.88	0.0000	1	30	0.59	1	0.00	4.29	14.58	
										Existing Line D										
749.90	667.30	82.60	A,B & C	24.41	0.90	21.97	21.97	12.21	100	8.10	177.96	0.0047	1	60	9.06	1	0.00	0.15	12.36	
667.30	584.60	82.70	D2	0.23	0.90	0.21	22.18	12.36	100	8.07	178.96	0.0047	1	60	9.11	1	0.01	0.15	12.51	
584.60	493.50	91.10	D2	0.23	0.90	0.21	22.38	12.51	100	8.06	180.41	0.0048	1	60	9.19	1	0.02	0.17	12.68	
493.50	0.00	493.50	D4	0.23	0.90	0.21	22.59	12.68	100	8.05	181.85	0.0049	1	60	9.26	1	0.02	0.89	13.57	
										Existing & Proposed Line A										
793.60	732.20	61.40	1A	2.02	0.90	1.82	1.82	10.00	100	8.74	15.91	0.0015	1	30	3.24	1	0.00	0.32	10.32	
732.20	726.10	6.10	2A	0.36	0.90	0.32	2.14	10.32	100	8.63	18.49	0.0020	1	30	3.77	1	0.06	0.03	10.34	
726.10	534.90	191.20	3A	0.51	0.90	0.46	2.60	10.34	100	8.62	22.42	0.0030	1	30	4.57	1	0.10	0.70	11.04	
534.90	306.30	228.60	4A & 5A	6.63	0.90	5.97	8.57	11.04	100	8.41	72.06	0.0025	1	48	5.73	1	0.19	0.66	11.70	Replce Ex. 42" w/48"
306.30	147.80	158.50	6A	0.64	0.90	0.58	9.14	11.70	100	8.23	75.26	0.0020	1	51	5.30	1	0.00	0.50	12.20	Replce Ex. 48" w/ 51"
147.80	89.80	58.00	7A thru 7E	7.47	0.90	6.72	15.87	12.20	100	8.10	128.52	0.0024	1	60	6.55	1	0.23	0.15	12.35	Replce Ex. 48" w/ 60"
89.80	67.00	22.80	8A, 8A1 & 8B	2.08	0.90	1.87	17.74	12.35	100	8.07	143.15	0.0030	1	60	7.29	1	0.16	0.05	12.40	Replce Ex. 48" w/ 60"
67.00	0.00	67.00	9A	0.33	0.90	0.30	18.04	12.40	100	8.06	145.37	0.0031	1	60	7.40	1	0.03	0.15	12.55	Replce Ex. 48" w/ 60"
				20.04																

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINES "F" & "E"

Project: 98143

Client: Town of Addison, Texas

Date: 12/10/98

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (10 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (Ft./Ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks	
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Line F																					
7199.60	7193.60	6.00	1F	2.02	0.90	1.82	1.82	10.00	10	6.36	11.58	0.0121	1	18	6.55	1	0.00	0.02	10.02		
7193.60	7000.20	193.40	2F	2.00	0.90	1.80	3.62	10.02	10	6.35	22.97	0.0031	1	30	4.68	1	0.00	0.69	10.70		
7000.20	6997.40	2.80	3F	0.03	0.90	0.03	3.65	10.70	10	6.20	22.60	0.0030	1	30	4.60	1	0.00	0.01	10.71		
6997.40	6870.60	126.80	4F	1.56	0.90	1.40	5.05	10.71	10	6.19	31.25	0.0058	1	30	6.37	1	0.30	0.33	11.05		
6870.60	6744.90	125.70	5F	0.79	0.90	0.71	5.76	11.05	10	6.13	35.31	0.0074	1	30	7.19	1	0.17	0.29	11.34		
6744.90	6493.90	251.00	6F	0.98	0.90	0.88	6.64	11.34	10	6.06	40.25	0.0096	1	30	8.20	1	0.24	0.51	11.85		
6493.90	6341.40	152.50	7F	1.38	0.90	1.24	7.88	11.85	10	5.97	47.07	0.0132	1	30	9.59	1	0.38	0.27	12.11		
6341.40	6058.80	282.60	8F & 9F	1.12	0.90	1.01	8.89	12.11	10	5.92	52.64	0.0062	1	36	7.45	1	0.00	0.63	12.74		
6058.80	6013.90	44.90	10F	0.27	0.90	0.24	9.14	12.74	10	5.80	52.98	0.0063	1	36	7.50	1	0.01	0.10	12.84		
6013.90	5916.40	97.50	11F	0.58	0.90	0.52	9.66	12.84	10	5.79	55.91	0.0070	1	36	7.91	1	0.10	0.21	13.05		
5916.40	5900.80	15.60	12F	0.37	0.90	0.33	9.99	13.05	10	5.75	57.44	0.0074	1	36	8.13	1	0.05	0.03	13.08		
5900.80	5537.40	363.40	12F	0.00	0.90	0.00	9.99	13.08	10	5.75	57.44	0.0074	1	36	8.13	1	0.00	0.75	13.83		
5537.40	5523.50	13.90	13F	0.31	0.90	0.28	10.27	13.83	10	5.63	57.81	0.0075	1	36	8.18	1	0.01	0.03	13.86		
5523.50	5482.20	41.30	14F	0.46	0.90	0.41	10.68	13.86	10	5.62	60.04	0.0081	1	36	8.49	1	0.08	0.08	13.94		
5482.20	5113.32	368.88	15F	2.12	0.90	1.91	12.59	13.94	10	5.61	70.64	0.0049	1	42	7.34	1	0.00	0.84	14.77		
5113.32	5072.50	40.82	16F	0.50	0.90	0.45	13.04	14.77	10	5.48	71.46	0.0025	1	48	5.69	1	0.00	0.12	14.89		
5072.50	5000.00	72.50	17F	2.43	0.90	2.19	15.23	14.89	10	5.47	83.30	0.0034	1	48	6.63	1	0.18	0.18	15.08		
5000.00	4973.41	26.59	17F	0.00	0.90	0.00	15.23	15.08	10	5.47	83.30	0.0034	1	48	6.63	0.25	0.51	0.07	15.14		
4973.41	3855.00	1118.41	LINE E	1.37	0.90	1.23	16.46	15.14	10	5.43	89.38	0.0039	1	48	7.11	1	0.10	2.62	17.76		
3855.00	3840.00	15.00	18F	1.34	0.90	1.21	17.67	17.76	10	5.11	90.28	0.0012	1	60	4.60	1	0.00	0.05	17.82		
3840.00	3780.00	60.00	19F	11.66	0.90	10.49	28.16	17.82	10	5.11	143.90	0.0031	1	60	7.33	1	0.51	0.14	17.95		
				31.29																	
Line E																					
140.00	78.50	61.50	E1	1.08	0.90	0.97	0.97	10.00	10	6.36	6.17	0.0034	1	18	3.49	1	0.00	0.29	10.29		
75.50	0.00	75.50	E2	0.29	0.90	0.26	1.23	10.29	10	6.29	7.76	0.0055	1	18	4.39	1	0.11	0.29	10.58		

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINES "F" & "E"

Project: 98143

Client: Town of Addison, Texas

Date: 12/10/98

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (25 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (Cfs.)	Slope of Hydraulic Gradient (Ft./Ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
										Line F										
7199.60	7193.60	6.00	1F	2.02	0.90	1.82	1.82	10.00	25	7.29	13.27	0.0160	1	18	7.51	1	0.00	0.01	10.01	
7193.60	7000.20	193.40	2F	2.00	0.90	1.80	3.62	10.01	25	7.28	26.34	0.0041	1	30	5.37	1	0.00	0.60	10.61	
7000.20	6997.40	2.80	3F	0.03	0.90	0.03	3.65	10.61	25	7.11	25.92	0.0040	1	30	5.28	1	0.00	0.01	10.62	
6997.40	6870.60	126.80	4F	1.56	0.90	1.40	5.05	10.62	25	7.12	35.95	0.0077	1	30	7.32	1	0.40	0.29	10.91	
6870.60	6744.90	125.70	5F	0.79	0.90	0.71	5.76	10.91	25	7.03	40.49	0.0097	1	30	8.25	1	0.22	0.25	11.17	
6744.90	6493.90	251.00	6F	0.98	0.90	0.88	6.64	11.17	25	6.97	46.29	0.0127	1	30	9.43	1	0.32	0.44	11.61	
6493.90	6341.40	152.50	7F	1.38	0.90	1.24	7.88	11.61	25	6.88	54.24	0.0175	1	30	11.05	1	0.51	0.23	11.84	
6341.40	6058.80	282.60	8F & 9F	1.12	0.90	1.01	8.89	11.84	25	6.83	60.73	0.0083	1	36	8.59	1	0.00	0.55	12.39	
6058.80	6013.90	44.90	10F	0.27	0.90	0.24	9.14	12.39	25	6.72	61.39	0.0085	1	36	8.68	1	0.02	0.09	12.47	
6013.90	5916.40	97.50	11F	0.58	0.90	0.52	9.66	12.47	25	6.71	64.80	0.0094	1	36	9.17	1	0.13	0.18	12.65	
5916.40	5900.80	15.60	12F	0.37	0.90	0.33	9.99	12.65	25	6.67	66.63	0.0100	1	36	9.43	1	0.07	0.03	12.68	
5900.80	5537.40	363.40	12F	0.00	0.90	0.00	9.99	12.68	25	6.66	66.53	0.0100	1	36	9.41	1	0.00	0.64	13.32	
5537.40	5523.50	13.90	13F	0.31	0.90	0.28	10.27	13.32	25	6.55	67.26	0.0102	1	36	9.52	1	0.03	0.02	13.35	
5523.50	5482.20	41.30	14F	0.46	0.90	0.41	10.68	13.35	25	6.54	69.87	0.0110	1	36	9.88	1	0.11	0.07	13.42	
5482.20	5113.32	368.88	15F	2.12	0.90	1.91	12.59	13.42	25	6.54	82.35	0.0067	1	42	8.56	1	0.00	0.72	14.13	
5113.32	5072.50	40.82	16F	0.50	0.90	0.45	13.04	14.13	25	6.42	83.72	0.0034	1	48	6.66	1	0.00	0.10	14.24	
5072.50	5000.00	72.50	17F	2.43	0.90	2.19	15.23	14.24	25	6.40	97.46	0.0046	1	48	7.76	1	0.24	0.16	14.39	
5000.00	4973.41	26.59	17F	0.00	0.90	0.00	15.23	14.39	25	6.37	97.00	0.0046	1	48	7.72	0.25	0.69	0.06	14.45	
4973.41	3855.00	1118.41	LINE E	1.37	0.90	1.23	16.46	14.45	25	6.34	104.36	0.0053	1	48	8.30	1	0.15	2.24	16.69	
3855.00	3840.00	15.00	18F	1.34	0.90	1.21	17.67	16.69	25	6.02	106.36	0.0017	1	60	5.42	1	0.00	0.05	16.74	
3840.00	3780.00	60.00	19F	11.66	0.90	10.49	28.16	16.74	25	6.02	169.53	0.0042	1	60	8.63	1	0.70	0.12	16.86	
				31.29																
										Line E										
140.00	78.50	61.50	E1	1.08	0.90	0.97	0.97	10.00	25	7.29	7.07	0.0045	1	18	4.00	1	0.00	0.26	10.26	
75.50	0.00	75.50	E2	0.29	0.90	0.26	1.23	10.26	25	7.21	8.89	0.0072	1	18	5.03	1	0.14	0.25	10.51	

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINES "F" & "E"

Project: 98143

Client: Town of Addison, Texas

Date: 12/10/98

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (100 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (Ft./Ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks	
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"																
1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16	17	18	19	20	
Line A																					
7230.92	7224.91	6.01	1F	2.02	0.90	1.82	1.82	10.00	100	8.74	15.91	0.0229	1	18	9.00	1	0.00	0.01	10.01		
7224.91	7031.50	193.41	2F	2.00	0.90	1.80	3.62	10.01	100	8.73	31.59	0.0059	1	30	6.43	1	0.00	0.50	10.51		
7031.50	7028.72	2.78	3F	0.03	0.90	0.03	3.65	10.51	100	8.57	31.24	0.0058	1	30	6.36	1	0.00	0.01	10.52		
7028.72	6901.80	126.92	4F	1.56	0.90	1.40	5.05	10.52	100	8.56	43.22	0.0111	1	30	8.80	1	0.57	0.24	10.76		
6901.80	6776.20	125.60	5F	0.79	0.90	0.71	5.76	10.76	100	8.49	48.90	0.0142	1	30	9.96	1	0.34	0.21	10.97		
6776.20	6525.20	251.00	6F	0.98	0.90	0.88	6.64	10.97	100	8.48	56.32	0.0189	1	30	11.47	1	0.50	0.36	11.33		
6525.20	6341.43	183.77	7F	1.38	0.90	1.24	7.88	11.33	100	8.33	65.67	0.0256	1	30	13.38	1	0.74	0.23	11.56		
6341.43	6058.80	282.63	8F & 9F	1.12	0.90	1.01	8.89	11.56	100	8.27	73.54	0.0122	1	36	10.40	1	0.00	0.45	12.02		
6058.80	6013.90	44.90	10F	0.27	0.90	0.24	9.14	12.02	100	8.15	74.45	0.0125	1	36	10.53	1	0.04	0.07	12.09		
6013.90	5916.40	97.50	11F	0.58	0.90	0.52	9.66	12.09	100	8.13	78.51	0.0139	1	36	11.11	1	0.19	0.15	12.23		
5916.40	5900.80	15.60	12F	0.37	0.90	0.33	9.99	12.23	100	8.09	80.82	0.0147	1	36	11.43	1	0.11	0.02	12.26		
5900.80	5537.40	363.40	12F	0.00	0.90	0.00	9.99	12.26	100	8.09	80.82	0.0147	1	36	11.43	1	0.00	0.53	12.79		
5537.40	5523.50	13.90	13F	0.31	0.90	0.28	10.27	12.79	100	7.98	81.95	0.0151	1	36	11.59	1	0.06	0.02	12.81		
5523.50	5482.20	41.30	14F	0.46	0.90	0.41	10.68	12.81	100	7.97	85.14	0.0163	1	36	12.05	1	0.17	0.06	12.86		
5482.20	5113.32	368.88	15F	2.12	0.90	1.91	12.59	12.86	100	7.96	100.22	0.0099	1	42	10.42	1	0.00	0.59	13.45		
5113.32	5072.50	40.82	16F	0.50	0.90	0.45	13.04	13.45	100	7.81	101.85	0.0050	1	48	8.10	1	0.00	0.08	13.54		
5072.50	5000.00	72.50	17F	2.43	0.90	2.19	15.23	13.54	100	7.80	118.78	0.0068	1	48	9.45	1	0.37	0.13	13.66		
5000.00	4973.41	26.59	17F	0.00	0.90	0.00	15.23	13.66	100	7.80	118.78	0.0068	1	48	9.45	0.25	1.04	0.05	13.71		
4973.41	3855.00	1118.41	LINE E	1.37	0.90	1.23	16.46	13.71	100	7.77	127.90	0.0079	1	48	10.18	1	0.22	1.83	15.54		
3855.00	3840.00	15.00	18F	1.34	0.90	1.21	17.67	15.54	100	7.41	130.91	0.0025	1	60	6.67	1	0.00	0.04	15.58		
3840.00	3780.00	60.00	19F	11.66	0.90	10.49	28.16	15.58	100	7.40	208.39	0.0064	1	60	10.61	1	1.06	0.09	15.67		
				31.29																	
Line E																					
140.00	78.50	61.50	E1	1.08	0.90	0.97	0.97	10.00	100	8.74	8.48	0.0065	1	18	4.80	1	0.00	0.21	10.21		
75.50	0.00	75.50	E2	0.29	0.90	0.26	1.23	10.21	100	8.67	10.69	0.0104	1	18	6.05	1	0.21	0.21	10.42		

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINES "F" & "E"
 (FROM BROADWAY TO AIRPORT PKWY.)

Project: 98143

Client: Town of Addison, Texas

Date: 02/01/99

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (100 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (F/FL)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
									Proposed	Line F										
7204.60	7194.50	10.10	F1	1.67	0.90	1.50	1.50	10.00	100	8.74	13.14	0.0018	1	27	3.30	1	0.00	0.05	10.05	
7194.50	7180.10	14.40	F2	0.36	0.90	0.32	1.83	10.05	100	8.73	15.95	0.0027	1	27	4.01	1	0.08	0.06	10.11	
7180.10	6984.00	196.10	F3	2.20	0.90	1.98	3.81	10.11	100	8.70	33.12	0.0065	1	30	6.75	1	0.46	0.48	10.60	
6984.00	6838.50	145.50	F4	1.56	0.90	1.40	5.21	10.60	100	8.54	44.50	0.0071	1	33	7.49	1	0.16	0.32	10.92	
6838.50	6755.90	82.60	F5	0.79	0.90	0.71	5.92	10.92	100	8.45	50.04	0.0090	1	33	8.43	1	0.23	0.16	11.08	
6755.90	6728.60	27.30	F6	0.19	0.90	0.17	6.09	11.08	100	8.42	51.30	0.0059	1	36	7.26	1	0.00	0.06	11.14	
6728.60	6487.10	241.50	F7	0.98	0.90	0.88	6.98	11.14	100	8.41	58.66	0.0077	1	36	8.30	1	0.25	0.49	11.63	
6487.10	6318.70	168.40	F8	1.38	0.90	1.24	8.22	11.63	100	8.25	67.79	0.0067	1	39	8.17	1	0.00	0.34	11.97	
6318.70	6039.60	279.10	F9 & F10	0.95	0.90	0.86	9.07	11.97	100	8.16	74.03	0.0054	1	42	7.69	1	0.00	0.60	12.58	
6039.60	5959.00	80.60	F11	0.24	0.90	0.22	9.29	12.58	100	8.03	74.58	0.0055	1	42	7.75	1	0.01	0.17	12.75	
5959.00	5905.50	53.50	F12	0.59	0.90	0.53	9.82	12.75	100	7.99	78.45	0.0061	1	42	8.15	1	0.10	0.11	12.86	
5905.50	5537.30	368.20	F13 & F14	0.37	0.90	0.33	10.15	12.86	100	7.96	80.81	0.0065	1	42	8.40	1	0.06	0.73	13.59	
5537.30	5516.30	21.00	F15	0.46	0.90	0.41	10.57	13.59	100	7.79	82.31	0.0046	1	45	7.45	1	0.00	0.05	13.64	
5516.30	5444.40	71.90	F16	0.31	0.90	0.28	10.85	13.64	100	7.78	84.37	0.0049	1	45	7.64	1	0.04	0.16	13.80	
5444.40	5128.20	316.20	F17 & F18	2.12	0.90	1.91	12.75	13.80	100	7.77	99.09	0.0048	1	48	7.89	1	0.06	0.67	14.46	
5128.20	5053.80	74.40	F19	0.50	0.90	0.45	13.20	14.46	100	7.63	100.74	0.0049	1	48	8.02	1	0.03	0.15	14.62	
5053.80	5000.00	53.80	F20	2.43	0.90	2.19	15.39	14.62	100	7.60	116.96	0.0035	1	54	7.35	1	0.00	0.12	14.74	
5000.00	3827.30	1172.70	E1 & E2	1.37	0.90	1.23	16.62	14.74	100	7.57	125.84	0.0041	1	54	7.91	0.25	0.76	2.47	17.21	
3827.30	3812.30	15.00	F21	1.34	0.90	1.21	17.83	17.21	100	7.13	127.12	0.0024	1	60	6.47	1	ERR	0.04	17.25	
3812.30	3752.30	60.00	F22	11.66	0.90	10.49	28.32	17.25	100	7.12	201.66	0.0060	1	60	10.27	1	0.99	0.10	17.35	
				31.47																

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINE "G,H,I,J,K,L & M"
(NORTH OF KELLER SPRINGS ROAD)

Project: 98143

Client: Town of Addison, Texas

Date: 02/02/99

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (100 YEAR)

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (Ft./Ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Line K																				
1212.00	879.00	333.00	K1+K2	7.54	0.90	6.79	6.79	10.00	100	8.74	59.31	0.0017	1	48	4.72	1	0.00	1.18	11.18	
879.00	659.00	220.00	K3+K4	8.77	0.90	7.89	14.68	11.18	100	8.36	122.72	0.0039	1	54	7.72	1	0.58	0.48	11.65	
659.00	220.00	439.00	K5	1.52	0.90	1.37	16.05	11.65	100	8.24	132.23	0.0045	1	54	8.31	1	0.15	0.88	12.53	
220.00	165.00	55.00	K6	5.35	0.90	4.82	20.86	12.53	100	8.07	168.36	0.0042	1	60	8.57	1	0.07	0.11	12.64	
165.00	0.00	165.00	K7	0.19	0.90	0.17	21.03	12.64	100	8.04	169.11	0.0042	1	60	8.61	1	0.01	0.32	12.96	
				23.37																
Line G																				
1818.00	1487.00	331.00	G1	0.19	0.90	0.17	0.17	10.00	100	8.74	1.49	0.0002	1	18	0.85	1	0.00	6.52	16.52	
1487.00	1465.60	21.40	G2	2.75	0.90	2.48	2.65	16.52	100	7.24	19.16	0.0333	1	18	10.84	1	1.81	0.03	16.56	
1465.60	1421.80	43.80	G2	0.00	0.90	0.00	2.65	16.56	100	7.23	19.13	0.0008	1	36	2.71	0.25	0.00	0.27	16.83	
1421.80	1248.90	172.90	G2	0.00	0.90	0.00	2.65	16.83	100	7.18	19.00	0.0008	1	36	2.69	1	0.00	1.07	17.90	
1248.90	1241.20	7.70	G3	1.57	0.90	1.41	4.06	17.90	100	7.03	28.53	0.0018	1	36	4.04	1	0.14	0.03	17.93	
1241.20	833.60	407.60	G4	0.91	0.90	0.82	4.88	17.93	100	7.02	34.24	0.0026	1	36	4.84	1	0.11	1.40	19.33	
833.60	740.00	93.60	G8	0.76	0.90	0.68	5.56	19.33	100	6.77	37.65	0.0032	1	36	5.33	1	0.08	0.29	19.62	
740.00	658.00	82.00	G11+LINE H	17.58	0.90	15.82	21.38	19.62	100	6.73	143.91	0.0018	1	66	6.06	1	0.13	0.23	19.85	
658.00	31.00	627.00	LINE I	24.99	0.90	22.49	43.70	19.85	100	6.70	292.82	0.0021	1	84	7.61	1	0.33	1.37	21.22	
31.00	0.00	31.00	G12	0.80	0.90	0.72	44.60	21.22	100	6.63	295.66	0.0021	1	84	7.68	1	0.02	0.07	21.29	
				49.55																
Line J																				
300.00	262.00	38.00	J1	13.92	0.90	12.53	12.53	10.00	100	8.74	109.49	0.0058	1	48	8.71	1	1.18	0.07	10.07	
262.00	48.00	214.00	J2	3.68	0.90	3.31	15.84	10.07	100	8.71	137.97	0.0092	1	48	10.98	1	1.86	0.32	10.40	
48.00	0.00	48.00	J3	3.75	0.90	3.38	19.22	10.40	100	8.60	165.25	0.0132	1	48	13.15	1	0.81	0.06	10.46	
				21.35																
Line H																				
452.00	402.00	50.00	H9	0.92	0.90	0.83	0.83	12.21	100	8.10	6.71	0.0041	1	18	3.80	1	0.22	0.22	12.43	
402.00	72.00	330.00	H10	0.92	0.90	0.83	1.66	12.43	100	8.07	13.36	0.0035	1	24	4.25	1	0.06	1.29	13.72	
72.00	0.00	72.00	H5,H6,H7	15.41	0.90	13.87	15.53	13.72	100	8.06	125.13	0.0040	1	54	7.87	1	0.68	0.15	13.88	
				17.25																
Line M																				
1692.93	1397.40	295.53	1/2 G,H,I,J,K,K8	49.76	0.90	44.78	44.78	21.29	100	6.57	294.23	0.0128	1	60	14.99	1	1.66	0.33	21.62	
1397.40	1173.80	223.60	M1	1.33	0.90	1.20	61.51	21.62	100	6.52	401.02	0.0237	1	60	20.42	1	2.99	0.18	21.80	
1173.80	1101.00	72.80	M2	9.24	0.90	8.32	69.82	21.80	100	6.51	454.54	0.0305	1	60	23.15	1	1.84	0.05	21.85	
1101.00	908.26	192.74	M3	0.40	0.90	0.36	70.18	21.85	100	6.50	456.18	0.0307	1	60	23.23	1	0.06	0.14	21.99	
908.26	560.00	348.26	M4	3.62	0.90	3.26	71.78	21.99	100	6.48	465.16	0.0319	1	60	23.69	1	0.33	0.25	22.24	
560.00	0.00	560.00	M5	1.00	0.90	0.90	73.51	22.24	100	6.45	474.15	0.0199	1	66	19.96	1	0.00	0.47	22.70	
				65.35																

Areas K+K8+J=375.7cfs
EX.2-3'x6' BOX=375.7 cfs
V=10.85, S = 0.85%

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS

EXISTING STORM SEWER LINE "G,H,I,J,K,L & M"
(NORTH OF KELLER SPRINGS ROAD)

Project: 98143

Client: Town of Addison, Texas
Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS (100 YEAR)

Date: 02/02/99
By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (FL/FL)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area. No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Line L													10.85							
1692.93	1114.30	578.63	1/2 G,H,I,J,K,K8	49.76	0.90	44.78	44.78	21.29	100	6.57	294.23	0.0128	1	60	14.99	1	1.66	0.64	21.93	
1114.30	1101.00	13.30	L1	6.94	0.90	6.25	63.86	21.93	100	6.49	414.48	0.0253	1	60	21.11	1	3.43	0.01	21.94	
1101.00	569.70	531.30	L2	1.62	0.90	1.46	65.32	21.94	100	6.48	423.29	0.0264	1	60	21.56	1	0.30	0.41	22.35	
569.70	445.00	124.70	L3	2.54	0.90	2.29	67.61	22.35	100	6.43	434.72	0.0168	1	66	18.30	1	0.00	0.11	22.47	
445.00	0.00	445.00	L4	15.70	0.90	14.13	69.80	22.47	100	6.42	448.14	0.0178	1	66	18.86	1	0.33	0.39	22.86	
				76.56																Areas K+K8+J=375.7 cfs EX.2-3'x6' BOX=375.7 cfs V=10.85, S = 0.85%
PROP. LINE L & M													10.85							
1692.93	1397.40	295.53	1/2 G,H,I,J,K,K8	49.76	0.90	44.78	44.78	21.29	100	6.57	294.23	0.0014	3	60	5.00	1	0.00	0.99	22.28	
1397.40	1173.80	223.60	M1	1.33	0.90	1.20	70.10	22.28	100	6.45	452.15	0.0033	3	60	7.68	1	0.53	0.49	22.76	
1173.80	1114.34	59.46	M2	9.24	0.90	8.32	72.17	22.76	100	6.40	461.89	0.0035	3	60	7.84	1	0.04	0.13	22.89	
1114.34	1101.00	13.34	F1	6.94	0.90	6.25	84.66	22.89	100	6.38	540.15	0.0048	3	60	9.17	1	0.39	0.02	22.91	
1101.00	908.26	192.74	M3+F2	2.02	0.90	1.82	86.48	22.91	100	6.37	550.88	0.0050	3	60	9.35	1	0.05	0.34	23.26	
908.26	560.00	348.26	M4	3.62	0.90	3.26	79.75	23.26	100	6.34	505.61	0.0042	3	60	8.58	1	0.00	0.68	23.93	
560.00	557.43	2.57	M5	1.00	0.90	0.90	66.52	23.93	100	6.28	417.74	0.0017	3	66	5.86	1	0.00	0.01	23.94	
557.43	442.90	114.53	L3	2.54	0.90	2.29	68.81	23.94	100	6.27	431.41	0.0018	3	66	6.05	1	0.04	0.32	24.25	
442.90	0.00	442.90	L4	15.70	0.90	14.13	82.94	24.25	100	6.25	518.34	0.0026	3	66	7.27	1	0.25	1.02	25.27	
				92.15																
PROP. LINE L & M													10.85							
1692.93	1397.40	295.53	1/2 G,H,I,J,K,K8	49.76	0.90	44.78	44.78	21.29	100	6.57	294.23	0.0008	4	60	3.75	1	0.00	1.31	22.60	
1397.40	1173.80	223.60	M1	1.33	0.90	1.20	66.56	22.60	100	6.41	426.62	0.0017	4	60	5.43	1	0.24	0.69	23.29	
1173.80	1114.34	59.46	M2	9.24	0.90	8.32	71.61	23.29	100	6.35	454.74	0.0019	4	60	5.79	1	0.06	0.17	23.46	
1114.34	1101.00	13.34	F1	6.94	0.90	6.25	81.12	23.46	100	6.33	513.47	0.0024	4	60	6.54	1	0.21	0.03	23.50	
1101.00	908.26	192.74	M3+F2	2.02	0.90	1.82	82.94	23.50	100	6.32	524.15	0.0025	4	60	6.67	1	0.03	0.48	23.98	
908.26	560.00	348.26	M4	3.62	0.90	3.26	79.75	23.98	100	6.28	500.82	0.0023	4	60	6.38	1	0.00	0.91	24.89	
560.00	557.43	2.57	M5	1.00	0.90	0.90	66.52	24.89	100	6.18	411.09	0.0009	4	66	4.33	1	0.00	0.01	24.90	
557.43	442.90	114.53	L3	2.54	0.90	2.29	68.81	24.90	100	6.17	424.53	0.0010	4	66	4.47	1	0.02	0.43	25.32	
442.90	0.00	442.90	L4	15.70	0.90	14.13	82.94	25.32	100	6.06	502.59	0.0014	4	66	5.29	1	0.12	1.40	26.72	
				92.15																

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

CONSULTING ENGINEERS

Phone: (214) 361-7900

Fax: (214) 361-0204

Subject: Town of Addison, Texas
Paving & Drainage Improvements
Drainage Belt Line Rd. to Keller Spring Rd.

Memorandum To: Mr. Jim Pierce

From: John W. Birkhoff, P.E. **Date:** January 25, 1999

1. The existing storm sewer system along Addison Road, between Belt Line Road and Railroad (Dallas Area Rapid Transit) is capable of handling a little less than a 25-year storm with channel improvements along the south side of railroad at the outfall of an 60" R.C.P. The channel improvements require some concrete lining to reduce the water surfaces and reduce encroachment toward railroad tracts.
2. The existing 60" R.C.P. is capable of handling a 100-year with channel improvements. The remaining system requires up sizing from Arapaho Road south to Belt Line Road along Addison Road. Sizes of existing storm sewer are based on construction plans and survey measurements.
 - Drainage areas where determine by field inspection and construction plans.
3. The existing storm sewer system along Addison Road and along Broadway Street, between railroad (Dallas Area Rapid Transit) and south of Airport Pkwy. is capable of handling a 25-year storm up to Addison Circle. With storm sewer up sizing from Addison Circle up Airport Pkwy. a 25-year storm can be maintained.
4. A 100-year storm is capable for this system if up sized from junction box at railroad and Quorum Drive to south of Airport Pkwy. Velocities will be reduced from approximately 11-feet per second to approximately 8-feet per second. Sizes of existing storm sewer are based on construction plans and survey measurements.
 - Drainage areas where determine by field inspection.
5. The existing storm sewer system along Addison Road between south of Airport Pkwy. to Rattliff Lane and south of Westgrove to Rattliff Lane is capable of handling a 100-year storm, only if the existing storm system at Bent Tree Valley Apartment and Bent Tree Mercantile Park were increased from 2-60" and 2-66" R.C.P. up to 4-60" and 4-66" R.C.P. or convenient box sizes. The existing 2-60" and 2-66" R.C.P. is not capable of handling a 100-year storm.

cc 



TOWN OF ADDISON

Public Works / Engineering

16801 Westgrove • P.O. Box 144

Addison, Texas 75001

Telephone: (214) 450-2871 • Fax: (214) 931-6643

LETTER OF TRANSMITTAL

DATE	12-28-98	JOB NO.
ATTENTION		
RE:	Addison Rd design	

TO Richard Lowe
Shunick Jacobs

GENTLEMAN:

WE ARE SENDING YOU

- | | | | |
|---|---------------------------------------|---|--|
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via _____ the following items: |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples |
| | | <input type="checkbox"/> Specifications | <input type="checkbox"/> _____ |

COPIES	DATE	NO.	DESCRIPTION
			Tube Set #
			✓ B15-5 Addison Rd & Keller Springs
			✓ A1-10 Bent Tree Valley Apts 2 sets
			✓ B8-11 60" Storm Sewer Plans & Prop
			✓ B6-6 66" & 60" Storm Sewer Plans & As-Builts (2 sets)

THESE ARE TRANSMITTED as checked below:

- | | | |
|---|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> _____ | |
| <input type="checkbox"/> FORBIDS DUE _____ 19____ | | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US |

REMARKS

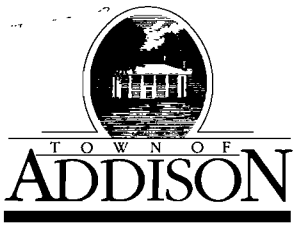
Received the above archive drawings
for copying & then return to
Jim Pierce

COPY TO

Return to Jim Pierce

SIGNED:

Richard Lowe



LETTER OF TRANSMITTAL

Public Works / Engineering

16801 Westgrove • P.O. Box 144
 Addison, Texas 75001
 Telephone: (214) 450-2871 • Fax: (214) 931-6643

DATE	12-28-98	JOB NO.
ATTENTION		
RE:	Addison Rd design	

TO Richard Lowe
Shunick Jacobs

GENTLEMAN:

WE ARE SENDING YOU

- | | |
|---|---|
| <input type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via _____ the following items: |
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Plans <input type="checkbox"/> Samples <input type="checkbox"/> Specifications |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> _____ |

COPIES	DATE	NO.	DESCRIPTION
			Tube Set #
			B15-5 Addison Rd & Keller Springs
			A1-10 Bent Tree Valley apts
			B8-11 60" Storm Sewer Plans & Profile
			B6-6 66" & 60" Storm Sewer Plans & As-Builts (2 sets)

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> _____ | |
| <input type="checkbox"/> FOR BIDS DUE _____ 19____ | | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US |

REMARKS

Received the above archive drawings
 for copying & then return to
 Jim Lince

COPY TO _____

SIGNED: Richard Lowe

B15-5 Addison Rd & Keller Springs

~~AI-12 - No storm sewer~~

AI-10 - Shows 2 existing 60" RCP's
from Addison Road East ...

Dent Tree
Valley
apartments

Has Drainage area maps
Includes As-Builts

Includes some 60" RCP elevations

~~AI-11 - No storm sewer~~

B8-11 60" storm sewer plan & profile

B6-6 66" & 60" Storm Sewer Plans
with as-builts

Addison Road Widening

12-8-98

Sign In Sheet

<u>Name</u>	<u>Company</u>
Jim Reier	Addison
John Birkhoff	Shimick

Drainage:

Areas defined

Exist syst understood

Calc Hydraulic Grade @ Each discharge
before final design

Use exist ling pipes

Use slotted drains -

whats in
the ground?
what elevations?

* More work on north end - JEP to do

Some research - Jeff @ intersection

* Addison property (Event) plans? Rt turn
lane

Install fiber optics ducts for future?

Geotech is complete

Schedule - about mid Sept. Behind most on

Storm Sewer -

Tunnel pumps into storm sewer m Addison
with 20" force main

Client: Town of Addison, Texas

Date: 12/08/98

Project: Belt Line Road To Keller Springs Road

STORM SEWER CALCULATIONS

By: R.J.L.

Runoff Collection Point		Distance Between Collection Points	Incremental Drainage Area			Incremental "CA"	Accumulated "CA"	Time at Upstream Station (MIN.)	Design Storm Freq. (Yrs.)	Intensity (I) (In./Hr.)	Runoff (Q) (c.f.s.)	Slope of Hydraulic Gradient (Ft./Ft.)	No of Pipes	Selected Storm Sewer Size	Velocity Between Points (f.p.s.)	Head Loss Coeff. "K"	Velocity Head Loss Upstream (Feet)	Flow Time Distance/ (Vel*60) (Min.)	Time at Downstream Station (Min.)	Remarks
Upstream Station	Downstream Station		Area No.	Drainage Area (Ac.)	Runoff Coeff. "C"															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
										<u>Line A</u>										
793.60	732.20	61.40	1A	2.02	0.90	1.82	1.82	10.00	100	8.74	15.91	0.0015	1	30	3.24	1	0.00	0.32	10.32	
732.20	726.10	6.10	2A	0.36	0.90	0.32	2.14	10.32	100	8.63	18.49	0.0020	1	30	3.77	1	0.06	0.03	10.34	
726.10	534.90	191.20	3A	0.51	0.90	0.46	2.60	10.34	100	8.62	22.42	0.0030	1	30	4.57	1	0.10	0.70	11.04	
534.90	306.30	228.60	4A & 5A	6.63	0.90	5.97	8.57	11.04	100	8.41	72.06	0.0051	1	42	7.49	1	0.55	0.51	11.55	
306.30	147.80	158.50	6A	0.64	0.90	0.58	9.14	11.55	100	8.28	75.71	0.0028	1	48	6.03	1	0.00	0.44	11.99	
147.80	89.80	58.00	7A thru 7E	7.47	0.90	6.72	15.87	11.99	100	8.15	129.32	0.0081	1	48	10.29	1	1.08	0.09	12.08	
89.80	67.00	22.80	8A, 8A1 & 8B	2.08	0.90	1.87	17.74	12.08	100	8.14	144.40	0.0101	1	48	11.49	1	0.41	0.03	12.11	
67.00	0.00	67.00	9A	0.33	0.90	0.30	18.04	12.11	100	8.13	146.63	0.0104	1	48	11.67	1	0.06	0.10	12.21	
				20.04																
										<u>Line B</u>										
0.00	225.70	225.70	B	4.00	0.90	3.60	3.60	11.76	100	8.21	29.56	0.0052	1	30	6.02	1	0.00	0.62	12.38	
										<u>Line C</u>										
180.10	151.10	29.00	C	0.37	0.90	0.33	0.33	10.00	100	8.74	2.88	0.0008	1	18	1.63	1	0.04	0.30	10.30	
151.10	0.00	151.10	C	0.00	0.90	0.00	0.33	10.30	100	8.74	2.88	0.0000	1	30	0.59	1	0.00	4.29	14.58	
										<u>Line D</u>										
745.00	662.60	82.40	A,B & C	24.41	0.90	21.97	21.97	12.21	100	8.10	177.96	0.0047	1	60	9.06	1	1.23	0.15	12.36	
662.60	579.60	83.00	D2	0.23	0.90	0.21	22.18	12.36	100	8.07	178.96	0.0047	1	60	9.11	1	1.28	0.15	12.51	
579.60	488.60	91.00	D2	0.23	0.90	0.21	22.38	12.51	100	8.06	180.41	0.0048	1	60	9.19	1	1.31	0.17	12.68	
488.60	0.00	488.60	D4	0.23	0.90	0.21	22.59	12.68	100	8.05	181.85	0.0049	1	60	9.26	1	1.33	0.88	13.56	

Addison Rd D

Copy

Addison Circle Plans
Drainage
(Mike) Down Broadway

Piece Next to RR -

No Studies avail

North End

Piece Together

Different developments

Office

apts

New Bldg

John

12-2-98

Addison Rd Widening

- Storm Drains good for 75yr storm

~~No~~ Rip out & Replace for 100yr
or

~~Yes~~ Supplement with slotted drains
to get to 100 year storm

John
will
look

- Drainage Studies on the "East Side"?

✓

- Downstream Capacity.

Thursday

11 AM

Arapaho

III

"Meeting"

Plans to John

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: John Birkhoff
Company: Shimek

From: James C. Pierce, Jr., P.E., DEE
Assistant City Engineer
Phone: 972/450-2879
FAX: 972/450-2837

FAX #: 214-361-0204

Date: 9-18-98

16801 Westgrove
P.O. Box 9010
Addison, TX 75001-9010

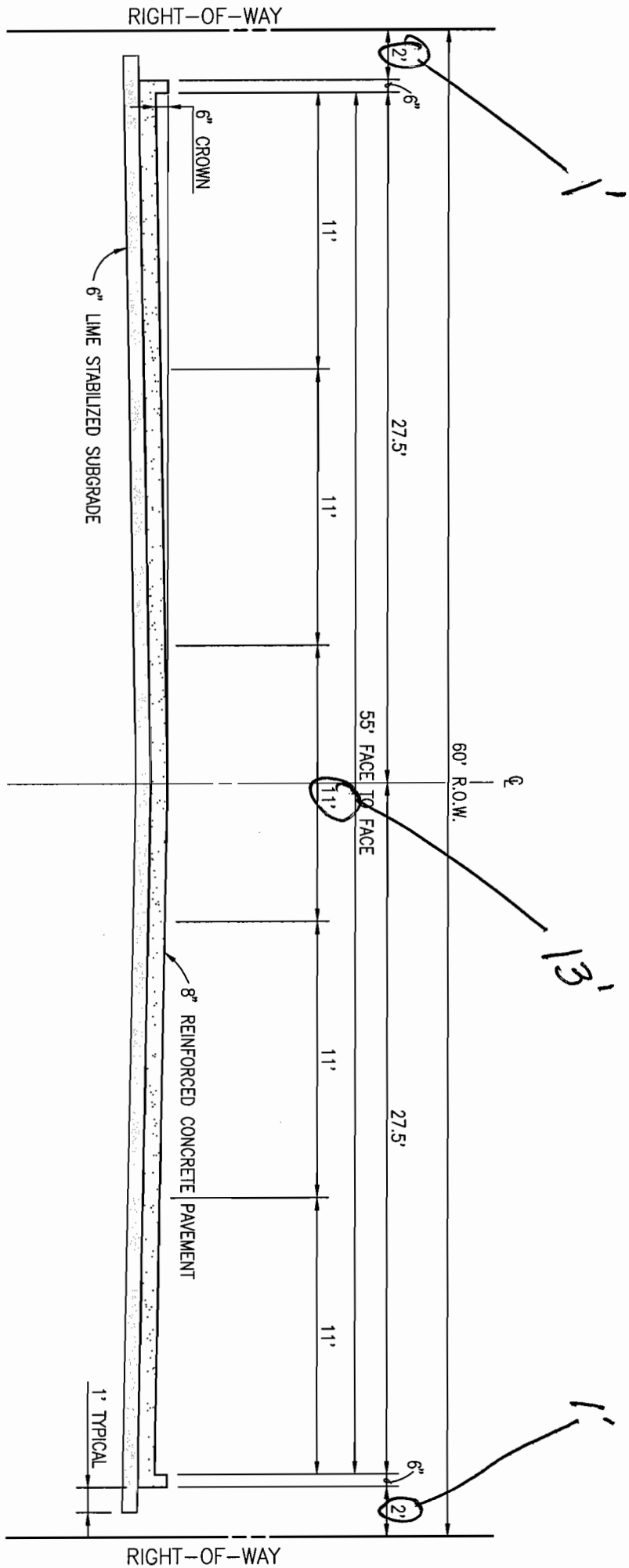
of pages (including cover): 2

Re: Addison Rd. Widening

- Original in mail Per your request FYI Call me

Comments: Please make your design
based on the attached cross
section dimensions

Jim



TYPICAL SECTION

NO SCALE

CITY OF ADDISON, TEXAS

ADDISON ROAD PAVING
 PROPOSED TYPICAL SECTION

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

9-4-98

***** -COMM. JOURNAL- ***** DATE 09-18-1998 ***** TIME 02:20PM ** P.1

MODE = TRANSMISSION

START=09-18 02:19PM

END=09-18 02:20PM

NO.	COM	SPEED NO	STATION NAME/ TELEPHONE NO.	PAGES
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001	OK	2	92143610204	002
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-Addison Svc Ctr -Upstairs-

***** (FAX-200 U2.17)* - 972 450 2834- *****

Addison Rd Widening

9-4-98

0.4% min grade

Field Survey 90% complete
Meander Sidewalks - need more data

* Keller Springs intersection tie-in

* Belt Line Road Plans -
Wayne Ginin?

* ~~Drop~~ Addison Rd Plans

Turn lanes?

Belt Line BL into Addison
Addison to B

45 mph design of vert. curves

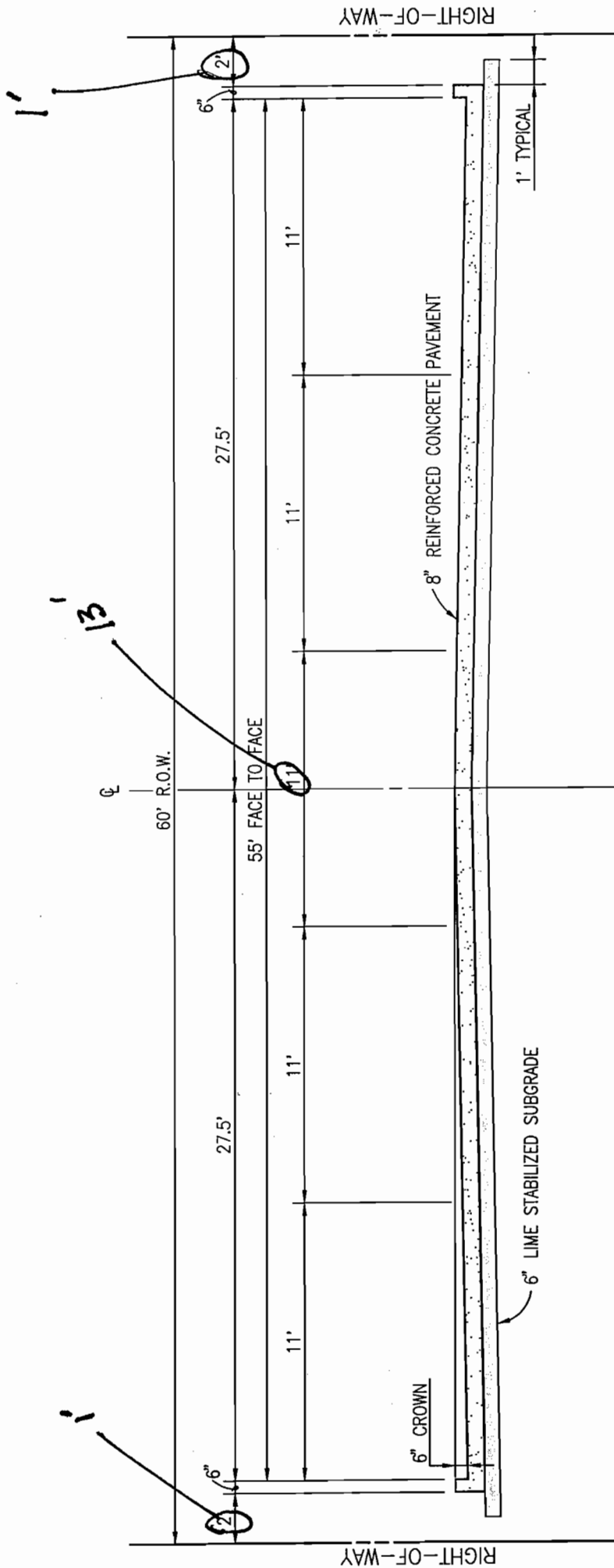
Replace RR Xing ??

Have we rec'd an electronic version of
the Town Topo.

Not much drainage coming to us from BB
Site. Beltline may be contributing
Geotech field work (drilling) completed -
Pavement under design (Haston).

Plan to replace water line crossings

Brad will come up and go thru
our plans to find what's useful



TYPICAL SECTION

NO SCALE

*John: I suggest
to direct with
we proceed with
to show.
OK?*

Jim

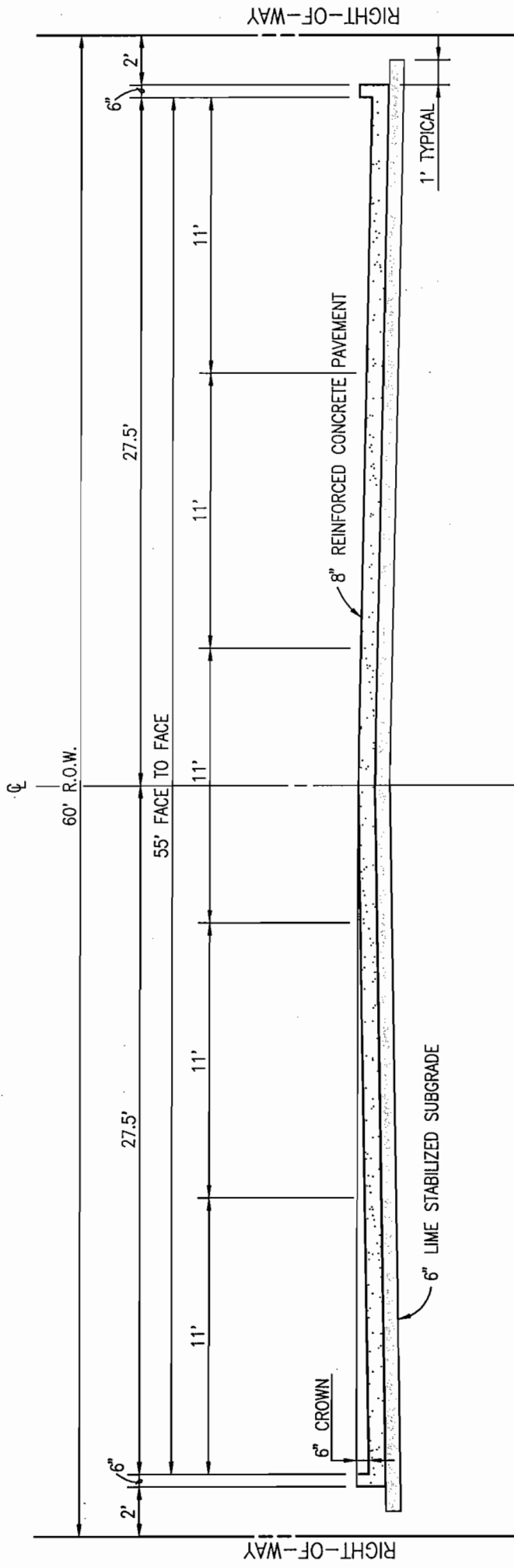
CITY OF ADDISON, TEXAS

ADDISON ROAD PAVING

PROPOSED TYPICAL SECTION

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

9-4-98



TYPICAL SECTION

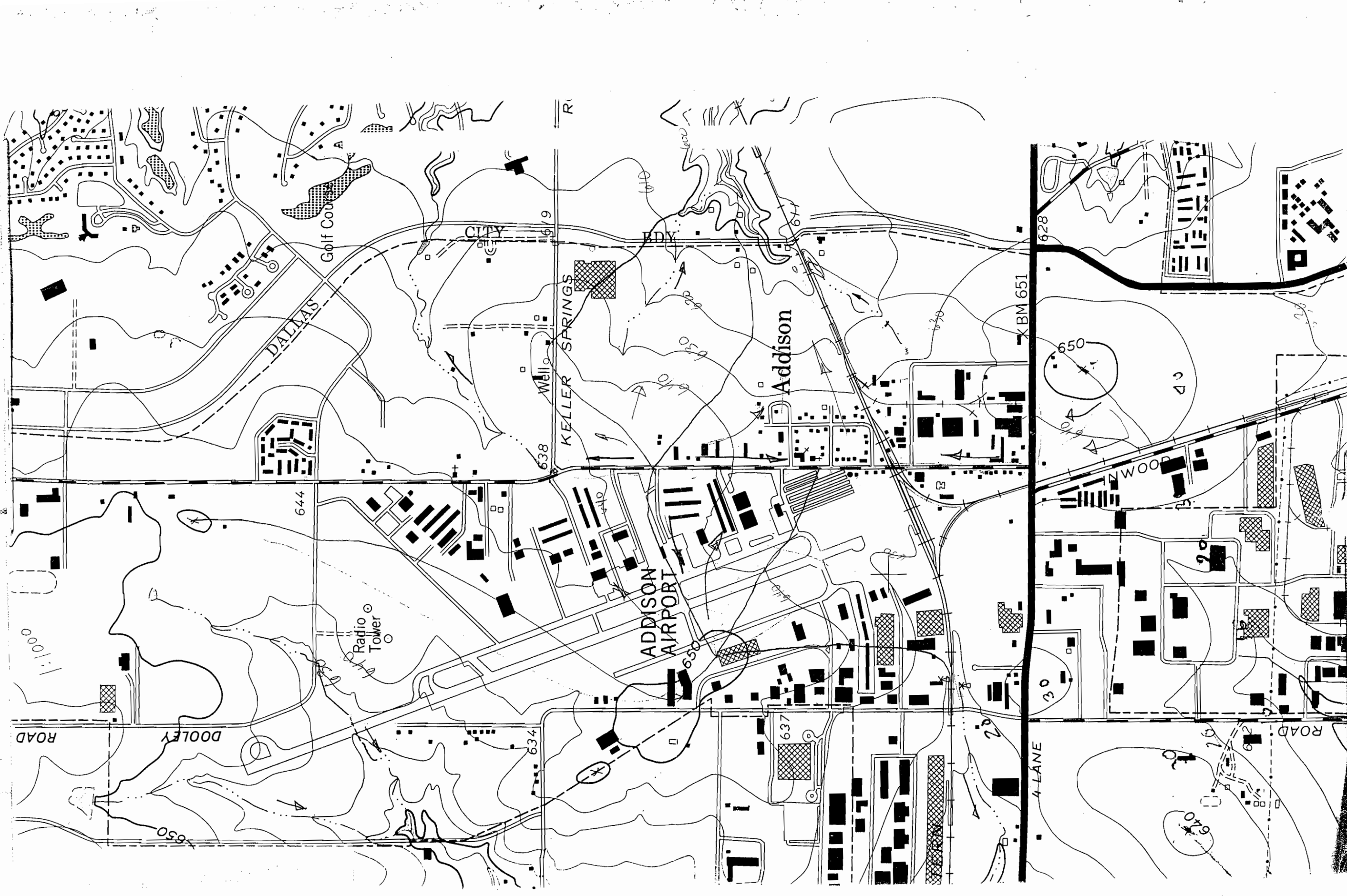
NO SCALE

CITY OF ADDISON, TEXAS

ADDISON ROAD PAVING
 PROPOSED TYPICAL SECTION

SHIMEK, JACOBS & FINKLEA, LLP.
 CONSULTING ENGINEERS

9-4-98

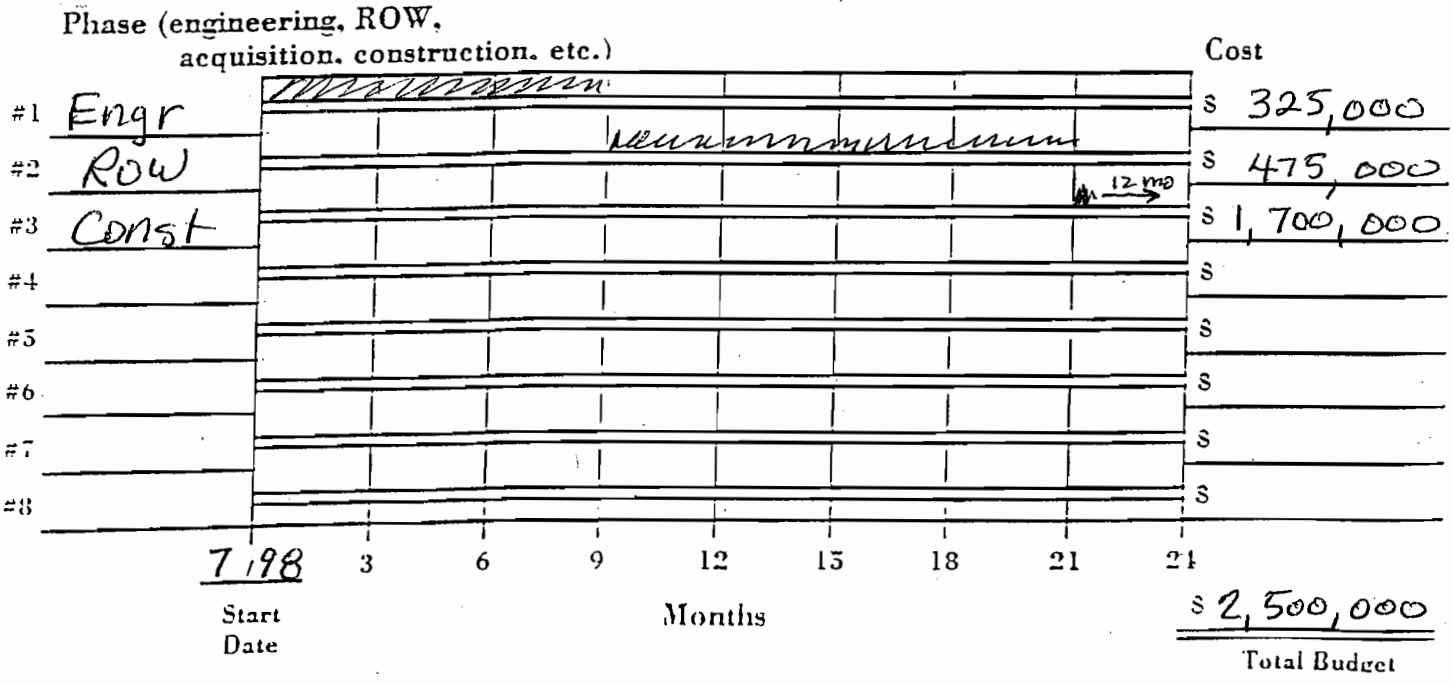


Town of Addison Project Application

8-7-98

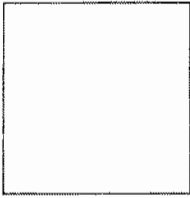
Project Name (Maximum 30 characters) <u>Addison Road Widening</u>	
Project Description <u>Prepare construction plans & specifications for paving and drainage improvements to Addison Rd. from Beltline Rd to Keller Springs Rd. Acquire ROW. Receive bids and construct the improvements. Construction engineering services</u>	
Engineering	9 months
ROW	12 months
Construction	12 months
<u>33 months</u>	
Project Type: <input type="checkbox"/> Operating/Unique <input type="checkbox"/> Operating/Recurring <input checked="" type="checkbox"/> Capital <input type="checkbox"/> Special Event	
Time to Complete (In months)	<u>33</u>
Located in Planning Sector :	1 2 3 4 <u>(5)</u> <u>(6)</u> N/A

Project Time Line



Finance Department Use

Project # _____
 Year Sector Type Free Seq.



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

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

ROSS L. JACOBS, P.E.
RONALD V. CONWAY, P.E.
JOHN W. BIRKHOFF, P.E.
JOE R. CARTER, P.E.
GARY C. HENDRICKS, P.E.
I. C. FINKLEA, P.E.

June 19, 1998

Mr. James C. Pierce, Jr., P.E., DEE
City Engineer
Town of Addison
Post Office Box 144
Addison, Texas 75001-0144

Re: Addison Road Paving and Drainage Schedule

Dear Mr. Pierce:

We are enclosing our projected schedule for completion of our services on the Addison Road project. The schedule is in the Gantt format that you have requested. We are available at your convenience to discuss this schedule.

Sincerely,

John W. Birkhoff, P.E.

Enclosure

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

8333 Douglas Avenue, #820

Dallas, Texas 75225-5816

Fax (214) 361-0204

Phone (214) 361-7900

MEMORANDUM

To: Mr. Jim Pierce, P.E.

From: John W. Birkhoff, P.E.

Date: June 18, 1998

Subject: Addison Road Meeting minutes from Manager Meeting May 19, 1998

Ron White Head was agreeable to pavement enhancements along Addison Road.

He liked the center lane idea of stamped concrete.

He wanted us to work with Slade Strickland on the enhancement at intersections. He thought the intersections at Arapaho, Airport and Keller Springs is the appropriate number.

He understood the need for roadway lighting. With no right of way lights on both sides are needed to get equivalent light to that of Beltline Road. He asked that the section north of Arapaho may not need as much lighting as Beltline Road. He left that up to the cost to determine the need.

He liked the idea of trying to weave the sidewalks between businesses and away from the back of curb in the restaurant area. The need for side walks on the airport side was questionable. He thought brick pavers would work for the sidewalk. This would break up the walks in parking lots from the pavement.

TOWN OF ADDISON
ADDISON ROAD BELTLINE TO KELLER SPRINGS

Completion Schedule: *Kick-Off Meeting (6/17/98)*
150 Days to Preliminary (11/27/98)

14 Days Review (12/11/98)
60 Days to Finals (2/9/98)

Major Tasks		Estimated Completion Date
Field Survey for InRoad Program	Survey Crew	July 10, 1998
Plot Sections and Ground Lines		July 31, 1998
Research Known Utilities		July 31, 1998
Set Grade on Roadway		July 31, 1998
Meet with City Staff		August 7, 1998
Field Survey for Topo Along Route		July 10, 1998
Plot Existing Topo		August 28, 1998
Plot Proposed Section in Plans		September 4, 1998
Setup of Coordinate Sheet		September 7, 1998
Determine Limits of Drainage Area Map		July 31, 1998
Establish Hydraulic Gradient (HEC-RAS)		August 7, 1998
Preliminary Drainage Design		August 28, 1998
Geotechnical Investigation		September 8, 1998
Meet with City Staff		September 8, 1998
Drainage Design		October 8, 1998
Storm Sewer Calculations		October 8, 1998
Inlet Calculations		September 28, 1998
Open Channel Calculations		September 28, 1998
Geometric Design of Turn-Lanes		September 8, 1998
Geometric Design of Intersecting Streets		September 28, 1998
Grades at Intersecting Streets		September 28, 1998
Preliminary Pavement Enhancement Exhibits		September 28, 1998
Plans to Utility Companies		September 26, 1998

Major Tasks		Estimated Completion Date
Identify ROW and Easement Requirement		September 28, 1998
Meet with City Staff		October 13, 1998
Revisions Horizontal and Vertical Alignments		October 30, 1998
Contour Intersections		October 30, 1998
Finalize Drainage Design		November 12, 1998
Finalize Pavement Enhancements		November 17, 1998
Pavement Marking Plan		November 20, 1998
Erosion Control Plan		November 20, 1998
Signal Plan		November 30, 1998
Traffic Control and Phasing Plans		December 4, 1998
Prepare Field Note Descriptions and Plats		December 31, 1998
Send Plans to City for Review		December 18, 1998
Specifications		December 9, 1998
Quantity Take-Off/Proposal and Bid Schedule		December 18, 1998
Meet with City for 60% Review Comments		January 15, 1999
Special Details		January 29, 1999
Finalize Field Note Descriptions and Plats		February 12, 1999
Finalize Plans		February 26, 1999
Finalize Specifications and Bidding Documents		February 26, 1999

Addison Rd Widening / Kickoff

6-17-98

Meeting with John Burkhoff &

Brad Bernhard / 2 yrs A&M

Matt Hickey will be on project also

Survey - In house

Geotechnical - Jack Haston

Pavement Design -

Signals - Parsons Group -

Structures - Steve Bauldrup - Just Bauldrup

Stan Reed - ReedCon - (WBE)

Requested schedule in Gant format

No DBE Requirement

Need City mgt/minutes -

Needs all city utilities -

Lights

Beltline
Lindberg
Arapaho

Addison Circle

Airport Parkway

Extra conduit

Keller Springs

and North

Conduit underground
to Keller Springs

- Signal Timing Plan ~
Need a Traffic Eng Study for above
- By others -

Arapaho Rd

5-29-98

Meeting with Gordon Robbins, Fire Chief

Ok to remove hydrant @ Addison & Arapaho. Coverage with remaining hydrants is good.

Gordon requested we move the Hydrant by Summerfield North of the sidewalk area. Behind the inlet is Ok, or in the sidewalk area.

In the future, Gordon would like hydrants on the west side of Addison Rd.

cc Dave Wilde

5-20-98

Addison Rd Widening
Telecom / J. Birkhoff / Meet w City Mgr & John

10 Min meeting
would

Like to do something @ intersections
& at
Center lane

Move in Sidewalks - OK

Too Many Lights

Intersection Improvements
Should do something

John - Take to Glade for
comment

Do 2 or 3 intersections
with something special

John will send meeting notes

JOB

Addison Rd Widening

2-11-98

Work Plan

Quality Control / Quality Assurance

Reviews

Notes

Pre design Video

Const Phase Svcs

Environmental Issues

Electronic Files of Drawings - Anteced (4

Contract Lay down area

Landscape Restoration

\$ 2.5 M budgeted

BL thru Keller Springs -
Construct thru Conference Center
Need 8' behind curb
11' lane widths
Cont. Left turn lane 13' min -

Need more streetlighting

We want enhancements -

Will need traffic counts

23,300 - Arapaho to Beltline

Sidewalks -

Markings -

Transmission Main - 20 yrs old

do anything -

Kurt & Mike -

Re do services?

Contact Kurt re extent of ^{contamination} ~~water~~
& Remediation of add Rd.

Sandra - Cost of land purchase

Check yardage avail.

@ Westside Turnway

Call Kurt re extra fence

Width of mow strip

1990 airport fencing review

Contract file PLANO
Ridgely P.S. MASTER PLAN

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)
11/24/97

PRODUCER
McLaughlin/Brunson
Insurance Agency
10925 Estate Lane, #250
Dallas, TX 75238

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

- COMPANY
A St. Paul Insurance Company
- COMPANY
B American Manuf. Mutual (Kemper)
- COMPANY
C Design Professionals Ins. Co.
- COMPANY
D

INSURED
Shimek, Jacobs & Finklea
8333 Douglas Avenue, Suite 820
Dallas, TX 75225

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT	RP06647876	07/28/97	07/28/98	GENERAL AGGREGATE \$ 2,000,000
					PRODUCTS - COMP/OP AGG \$ 2,000,000
					PERSONAL & ADV INJURY \$ 1,000,000
					EACH OCCURRENCE \$ 1,000,000
					FIRE DAMAGE (Any one fire) \$ Included
					MED EXP (Any one person) \$ 5,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	CA06608448	07/28/97	07/28/98	COMBINED SINGLE LIMIT \$ 1,000,000
					BODILY INJURY (Per person) \$
					BODILY INJURY (Per accident) \$
					PROPERTY DAMAGE \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$
					OTHER THAN AUTO ONLY:
					EACH ACCIDENT \$
A	EXCESS LIABILITY <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	RP06647876	07/28/97	07/28/98	EACH OCCURRENCE \$ 2,000,000
					AGGREGATE \$ 2,000,000
					\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: <input checked="" type="checkbox"/> INCL <input type="checkbox"/> EXCL	7CQ262884-07	05/01/97	05/01/98	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER \$
					EL EACH ACCIDENT \$ 500,000
					EL DISEASE - POLICY LIMIT \$ 500,000
C	OTHER Professional Liability	PL509535-01	07/28/97	07/28/98	\$1,000,000 Per Claim Annual Aggregate

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS
See Attached Addendum

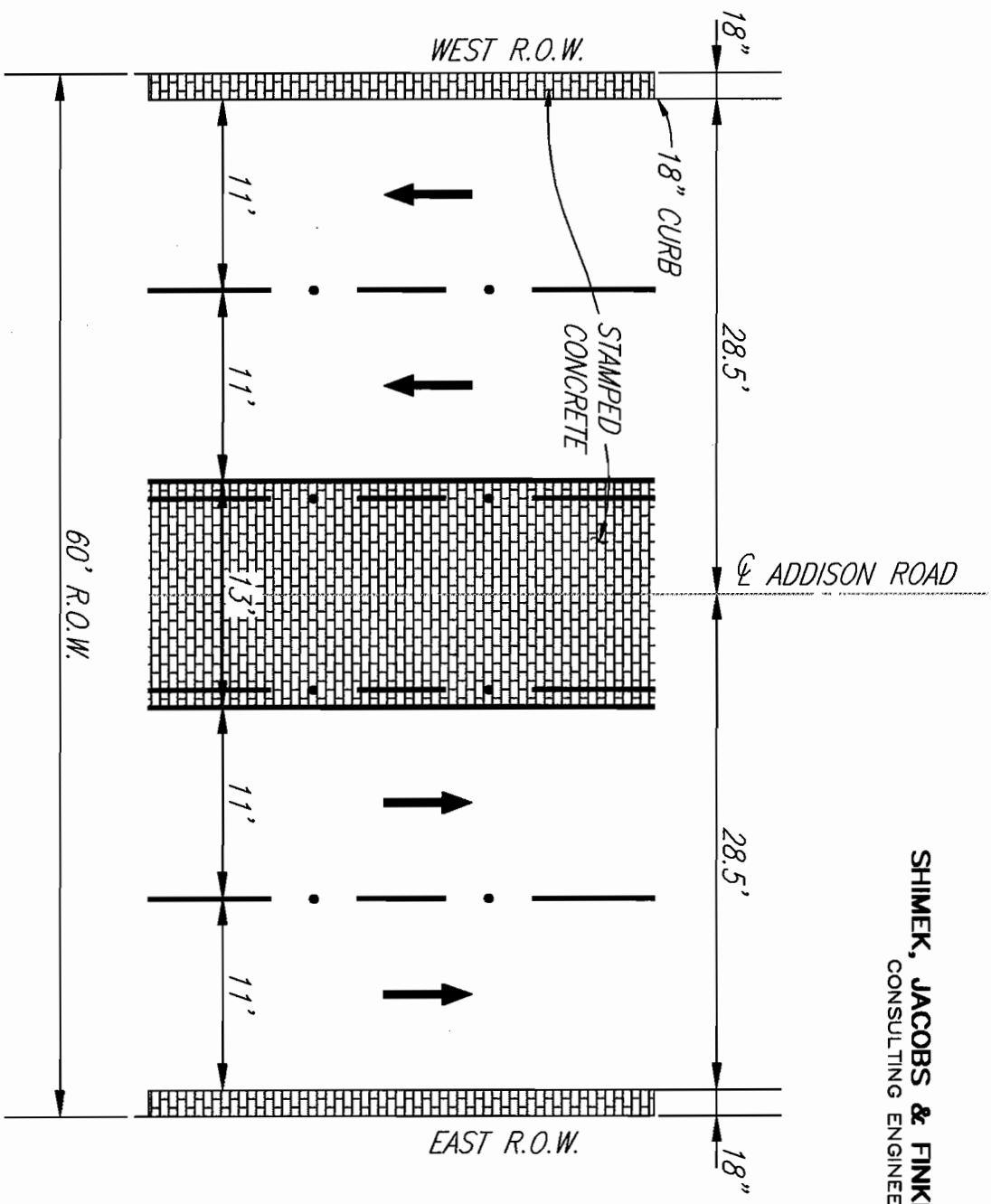
CERTIFICATE HOLDER

City of Plano
Attn: Edwin A. Smith P.E.
P.O. Box 86358
Plano, TX 75086-0358

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Patrick P. McLaughlin

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



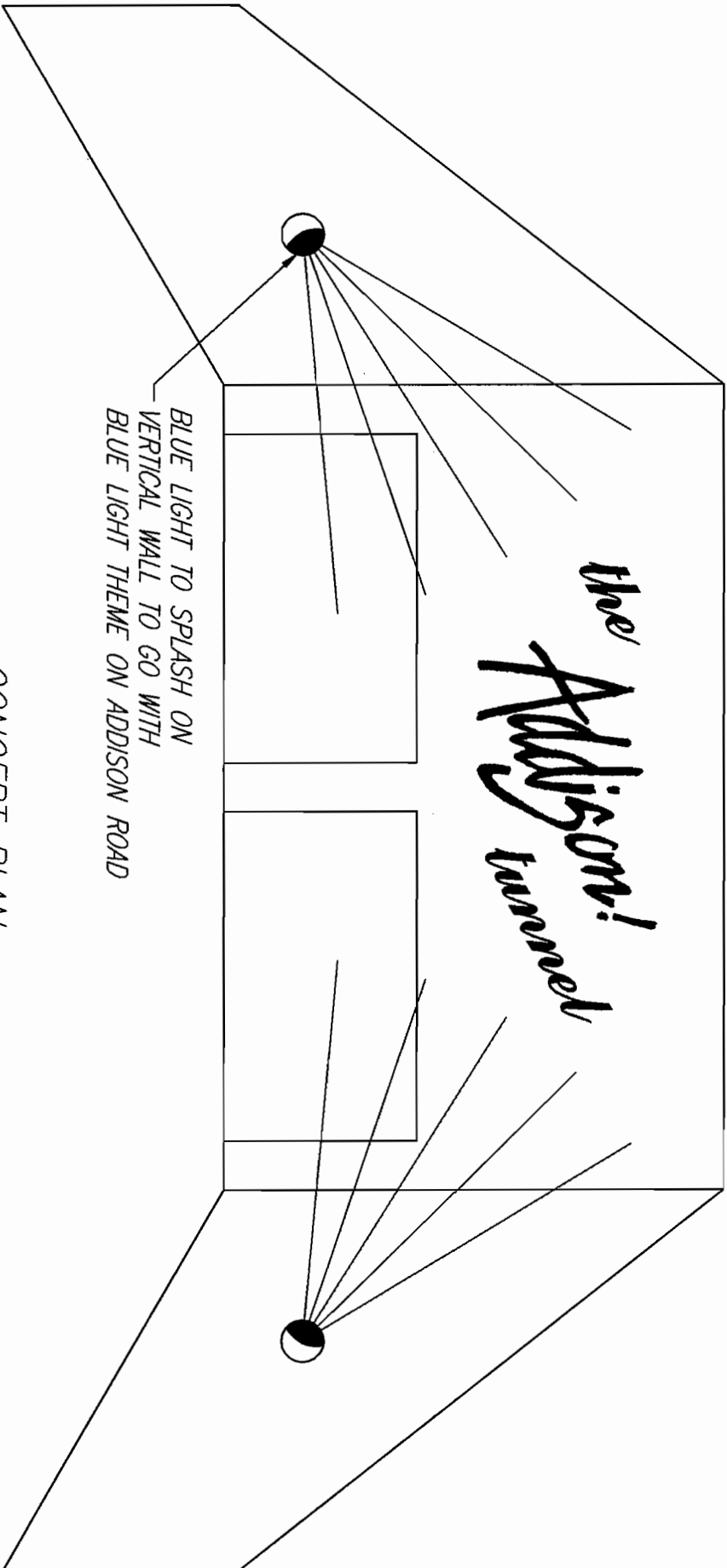
CONCEPT PLAN
TYPICAL PLAN LAYOUT ADDISON ROAD
2 LANES NORTH BOUND, 2 LANES SOUTHBOUND & CONTINUOUS LEFT TURN LANE

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

the Addison!

BLUE LIGHT TO SPLASH ON
VERTICAL WALL TO GO WITH
BLUE LIGHT THEME ON ADDISON ROAD

CONCEPT PLAN
ENTRANCE TO TUNNEL
KELLER SPRINGS AT ADDISON ROAD

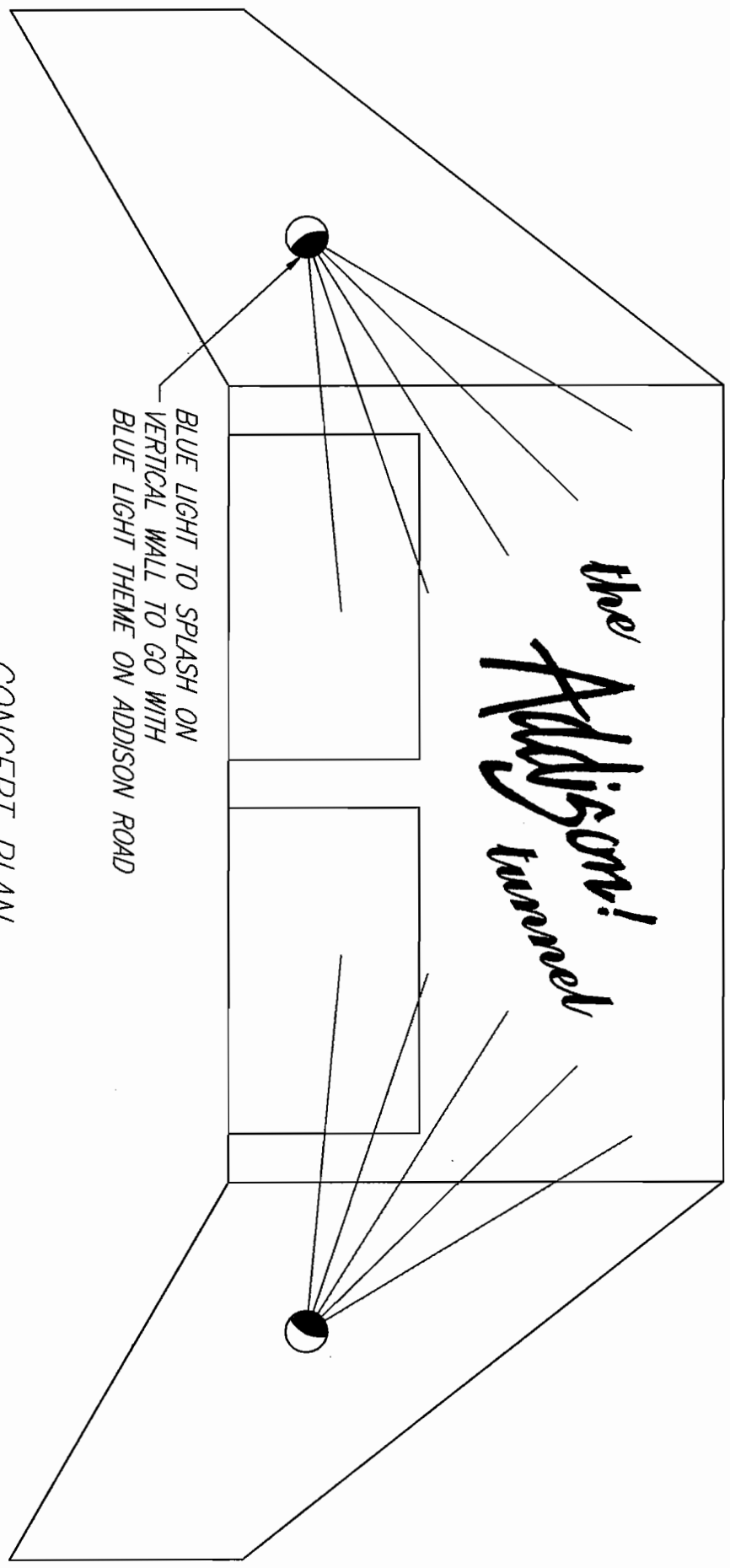


SHIMEK, JACOBS & FINKLEA L.L.P.
CONSULTING ENGINEERS

the Addison! tunnel

BLUE LIGHT TO SPLASH ON
VERTICAL WALL TO GO WITH
BLUE LIGHT THEME ON ADDISON ROAD

CONCEPT PLAN
ENTRANCE TO TUNNEL
KELLER SPRINGS AT ADDISON ROAD



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

the Addison! *tunnel*



BLUE LIGHT TO SPLASH ON
VERTICAL WALL TO GO WITH
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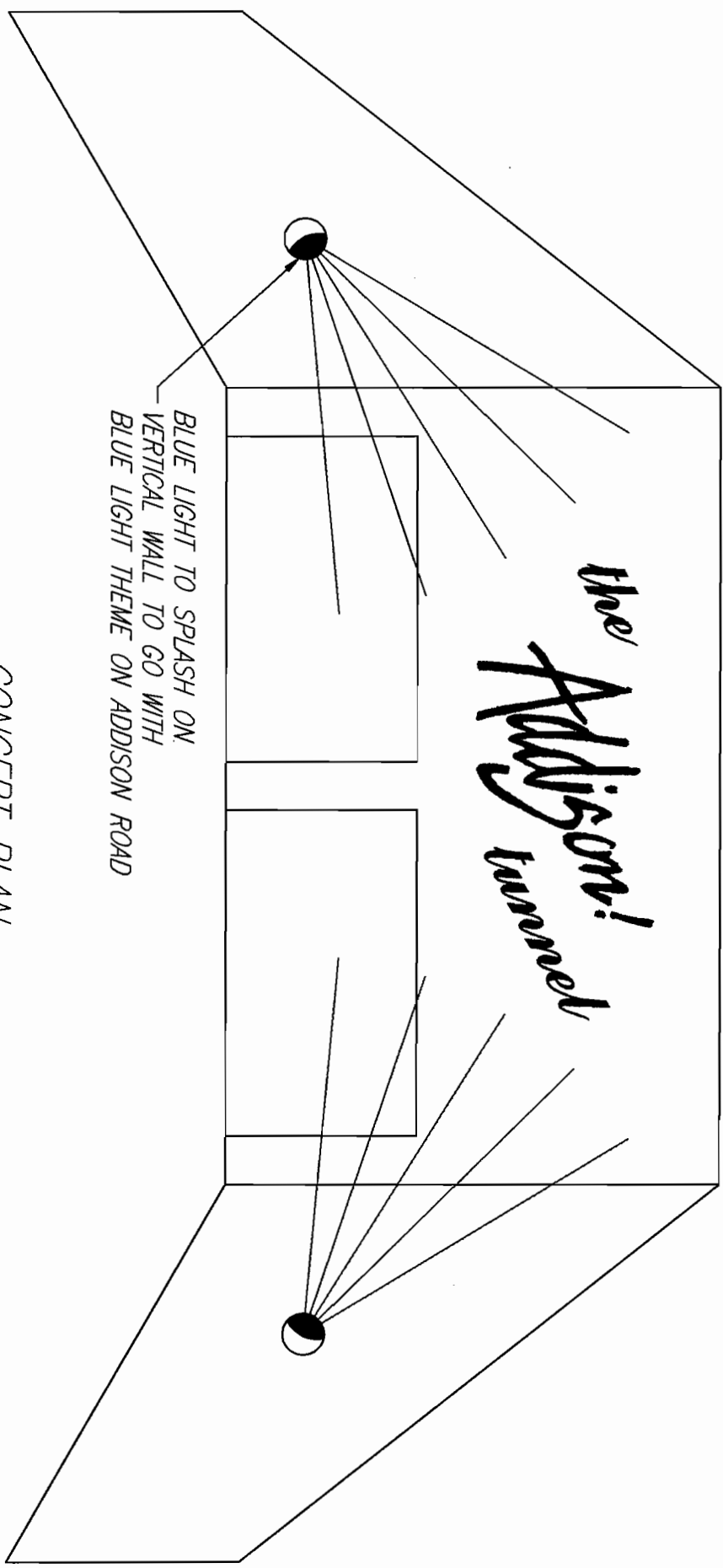
CONCEPT PLAN
ENTRANCE TO TUNNEL
KELLER SPRINGS AT ADDISON ROAD

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

the Addison! tunnel

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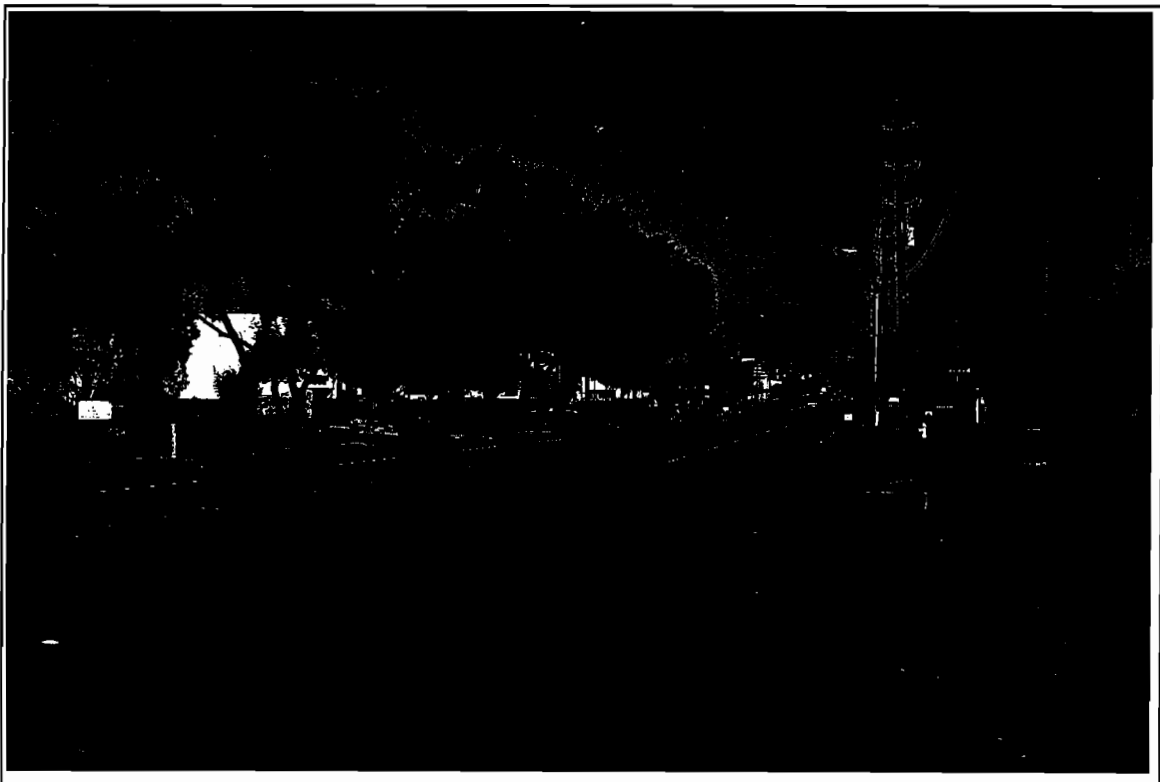
CONCEPT PLAN
ENTRANCE TO TUNNEL
KELLER SPRINGS AT ADDISON ROAD



PHOTOGRAPHS OF
ADDISON ROAD PROJECT
(BELT LINE ROAD TO KELLER SPRINGS ROAD)



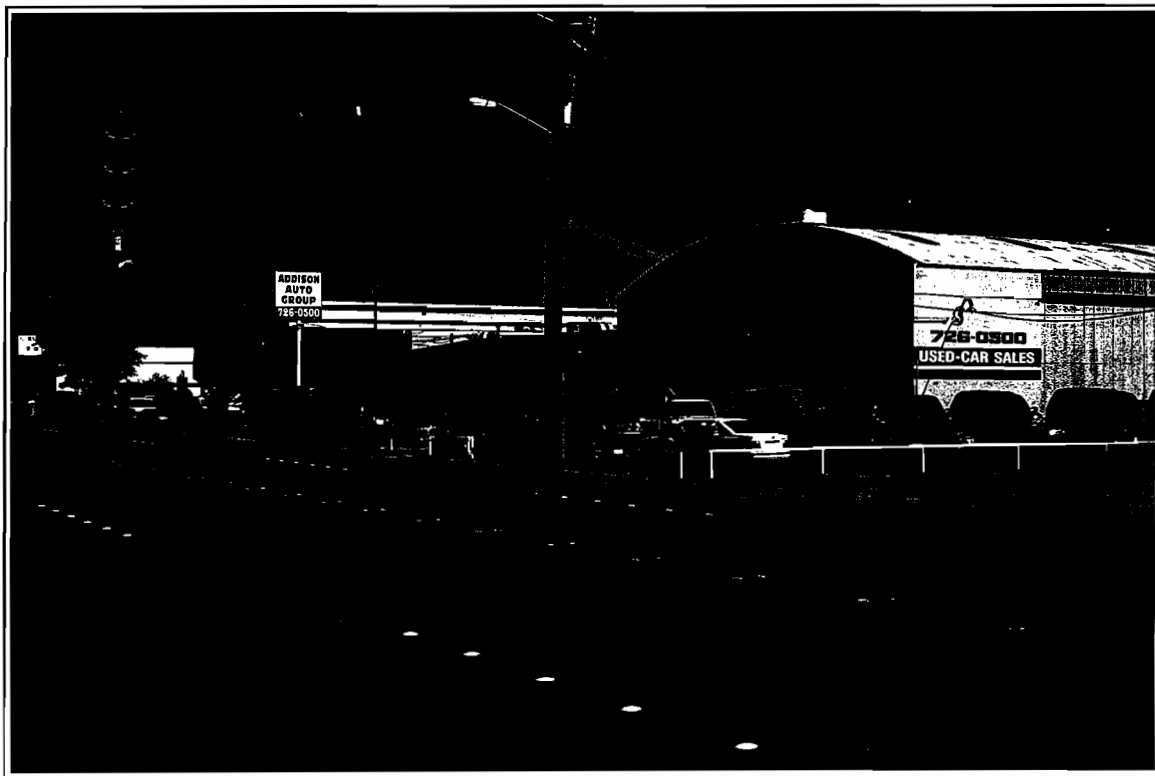
Looking North-Northwest Along Addison Road at Outback Steakhouse.



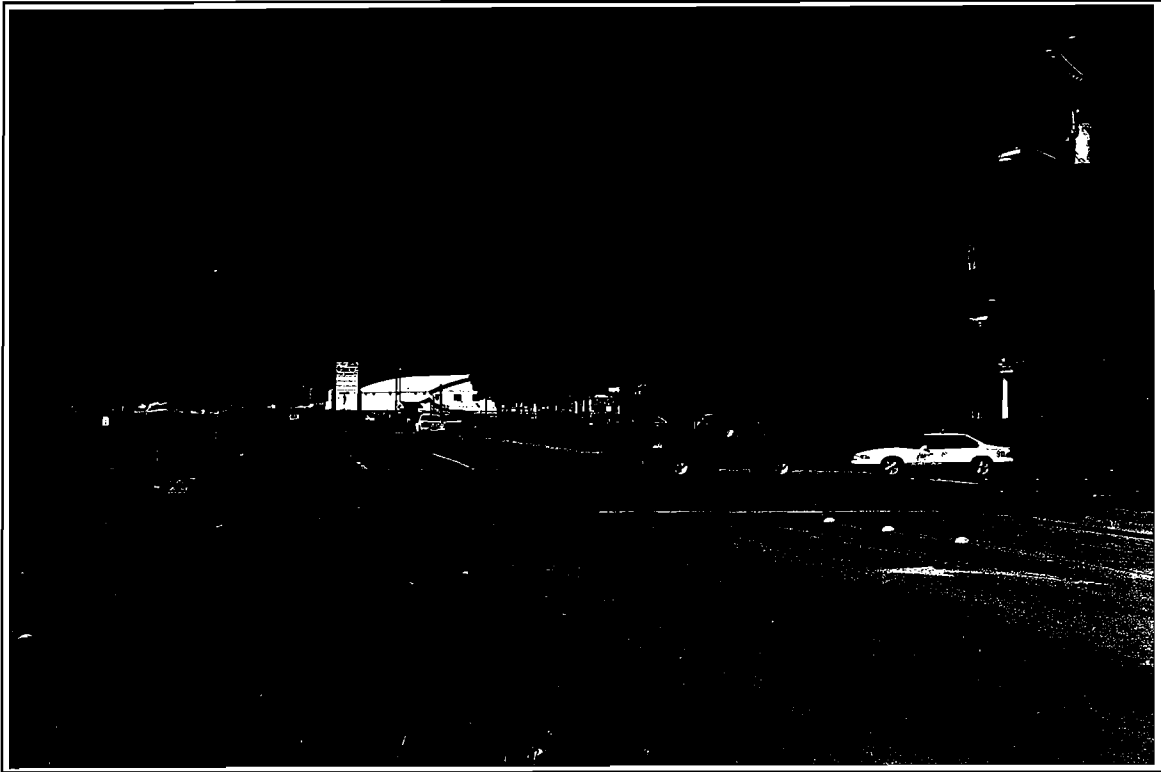
Looking North Along Addison Road at the South Side of the North Driveway of Payless Cashways.



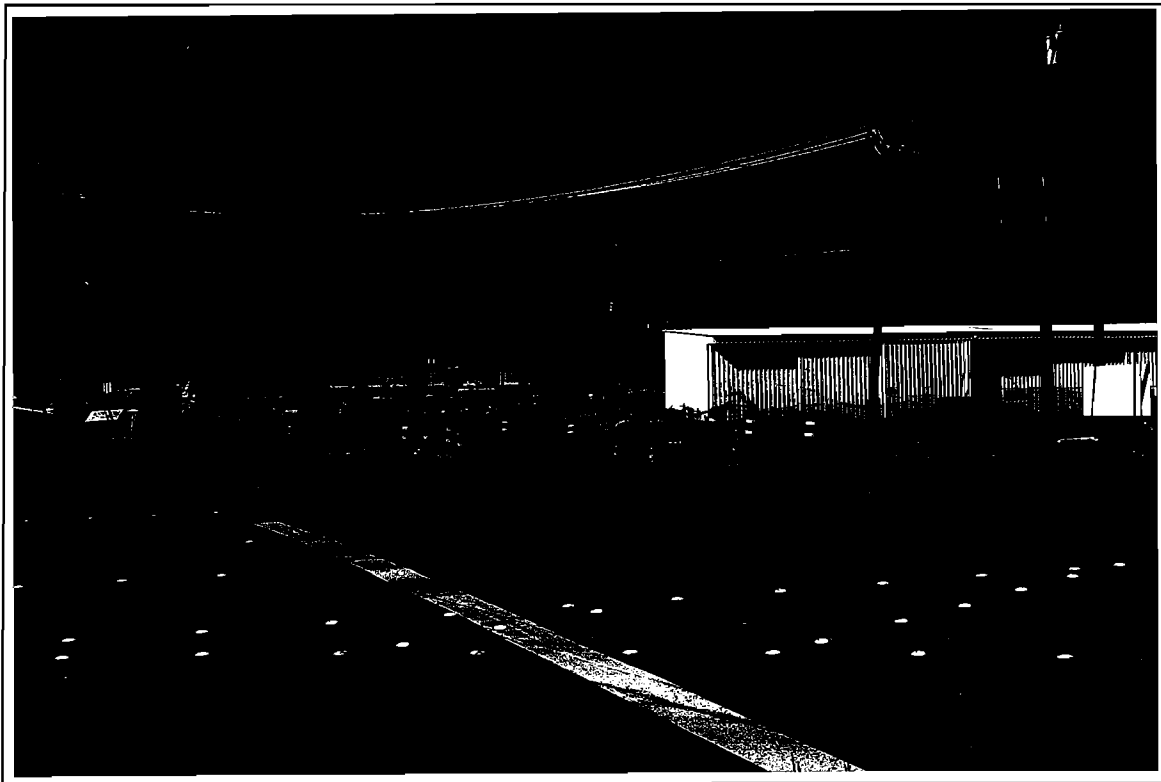
Looking East Along Airport Parkway at Addison Road Intersection.



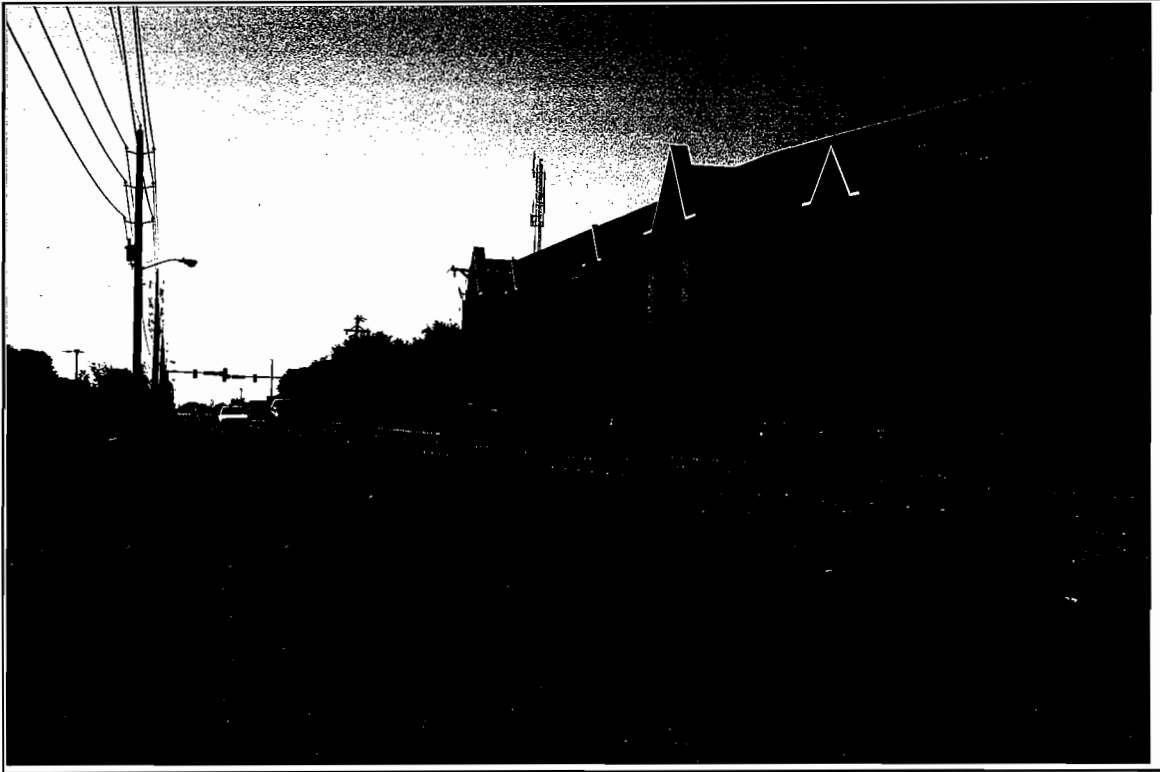
Looking Northeast in 15800 Block of Addison Road at Typical Driveway --
Lower Than Roadway and Will Hold Water.



Looking West-Northwest Along Airport Parkway at Addison Road.



Looking West-Northwest Along Keller Springs Road at Addison Road.



Looking South-Southwesterly Along Addison Road South of Keller Springs Road.



Looking North Along Addison Road at Keller Springs Road Intersection.