

ARAPAHO RD., PH. III - GENERAL

Oxford[®]

NO. R753 1/3

EXCERPT


100'

C/O BRYAN SCHWARTZ

Park Cities BANK

1. Zoning ISSUES
2. PARKING
3. SECURITY / FENCE LIGHTING
4. STRIPING



The Rink in Addison 

TIM BEST

GENERAL MANAGER
PRIVATE INSTRUCTOR


TIM@THERINKINADDISON.COM
V: 972-960-RINK F:972-991-RINK

Brian Schwartz
President

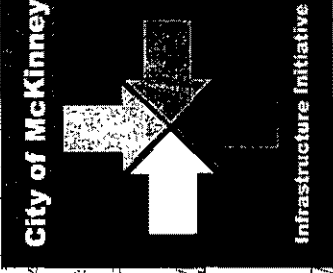
★
NORTHSTAR MORTGAGE CORPORATION

17760 Preston Road
Dallas, TX 75252

Office (972) 267-9000 ext. 20
Fax (972) 267-1107
email: bschwartz@airmail.net



**STREET
CONSTRUCTION
SURVIVAL
GUIDE**



**A Taxpayer's Guide to
the Infrastructure
Initiative**



**City of McKinney
222 N. Tennessee
McKinney, TX 75069
972-547-7420
www.mckinneytexas.org**

Dear Resident:

The City of McKinney is about to begin the construction of a street in your neighborhood as part of the Infrastructure Initiative. We will work with the contractor to minimize the inconvenience. This brochure has been prepared to provide some basic information about the project and to let you know how to contact us.

City staff and the contractors thank you in advance for your patience. We all look forward to completing this project in a timely manner. We hope you will be pleased with the results.

Sincerely,
Larry Robinson
City Manager



Q. What is the Infrastructure Initiative?

A. The Infrastructure Initiative is a program undertaken by the City to rebuild streets, water mains and sanitary sewer mains and improve drainage in the portion of McKinney east of U.S. 75. The first phase of the program was approved by the voters as part of the 1999 Bond program for a total cost of \$16.4 million. This first phase will construct 16 projects identified by the Infrastructure Advisory Committee in 1998. As part of the 2002 Bond Program, approximately \$31.5 million has been set aside for the second phase of the Infrastructure Initiative.

Q. What type of construction will occur here?

A. *Infrastructure Initiative projects may include:*

- Upgrading the existing water and sanitary sewer lines.
- Constructing storm drainage systems.
- Re-building the pavement, driveway approaches and sidewalks along the street.

Q. Will I have access to the main cross roads?

A. Intersecting streets are typically kept open to traffic and for parking during paving operations. In certain circumstances, the intersections may be reduced to one lane for paving work. Minor cross streets may be temporarily closed to through-traffic to allow for continuous paving.



One of the first Infrastructure Initiative projects, Wilson and Moore Streets, included upgrading water and sewer lines, concrete streets and improving drainage along the road.

Q. How will the weather affect the construction project?

A. Construction activities can only take place in dry conditions. Rain will cause work to be interrupted. Excessive rain may cause significant delays while the construction site dries sufficiently to allow equipment to proceed effectively.

Q. What hours will work occur?

A. Standard construction hours are 7 a.m. to 5 p.m., Monday through Friday. In certain circumstances, these hours may be extended with the approval of the City of McKinney. If bad weather or other factors have caused

delays, weekend hours may be permitted to make up for lost time.

Q. Will my utilities be disrupted?

A. Disruptions to utility services are inevitable because the projects involve connecting new systems to existing service mains or individual homes; however, every reasonable effort to minimize inconveniences will be made. Residents will be notified of any planned disruptions so that alternate arrangements may be made. Occasionally, contractors accidentally break a water main. This requires an immediate system shutdown, without notice to the customers. It is wise to have some water available in the event this occurs.

Q. How will construction affect my trash pick-up?

A. In the event that the City's garbage collection contractor (IESI) cannot access your street, the construction contractor will be responsible for moving the garbage receptacles and recycle bins to a cross street where collections can be made. The contractor will also move the containers back to the appropriate houses. To facilitate that process, please make sure you label your containers and recycle bins with your address. For more information, please call the City's Solid Waste Coordinator at 972-547-7385 or IESI at 972-562-9844.

Q. Will Police, Fire and EMS have access to my house in the event of an emergency?

A. Yes. Police, Fire and EMS service will have emergency access throughout the construction phase.

Q. Will I always have access to my property?

A. Continuous access to private property will be maintained to the extent possible. At some point during the project, access will be limited, requiring residents to park on a street near their property rather than in their driveway. These periods will be limited in frequency and duration, and the residents will be notified in advance of this happening.

Q. What should I do if my property is damaged?

A. Any damage to private property such as walkways, driveways and landscaping should be reported to the City of McKinney Engineering Department. They can be reached by calling 972-547-7420. Any damage caused by construction activities will be corrected.

Q. How much is this construction going to cost me?

A. The adjacent property owners will not be responsible for a paving assessment. This program is funded entirely through the City of McKinney.

Q. How will this construction affect school bus routes?

A. The McKinney ISD will be notified of all pending construction projects so that alternate bus routes and stops can be developed and announced in advance. Some routes may need to be changed, requiring students to walk to alternate bus stop locations outside of the construction zone.

Q. How do I make arrangements for access if I have special needs?

A. Special needs for physical disabilities should be reported to the City of McKinney Engineering Department at 972-547-7420. Reasonable accommodations for individuals with physical disabilities affected by the construction will be made by the City and the construction contractor.

Q. Whom do I call if I have questions about the construction project?

A. You may call the City of McKinney Engineering Department at 972-547-7420 for any questions or concerns about a current or future construction project.

Q. How long will construction take?

A. Construction time varies, depending on the project length and complexity. An average project takes approximately 8 months.



Council Agenda Item: _____

SUMMARY:

This item presents an update to the funding status of the Arapaho Road Extension project.

FINANCIAL IMPACT:

To fund the Arapaho Road Extension project to completion, bond construction funds that had been allocated to other projects may have to be used for Arapaho Road. There would be no net financial impact associated with transferring of bond funds from one project to another.

BACKGROUND:

Council awarded the construction bid to Archer-Western for the final phase of the Arapaho Road Extension project last June in the amount of \$16.7 million. At the time of the award city staff presented a budget that would accommodate the award and establish a contingency of \$1.3 million. At that time, the contingency was not assigned to any particular purpose but was anticipated for utility relocations, railroad crossings, construction change orders, contractor incentive payments, and other unexpected expenses.

Over the past two months, staff has identified a number of expenses that, in total, will exceed the contingency. These are:

<i>Utility relocations</i> – agreements with TXU and SBC were as anticipated	\$ 321,950
<i>Construction change orders</i> – these are difficult to predict but are not unusual, with the exception of the bypass of the Farmers Branch Water Main	518,160
<i>Expanded scope of engineering services</i> – the size and complexity of the project required an expanded scope of inspection services by the engineer	149,000
<i>Construction incentive payment</i> – staff has been told that the contractor has added crews in order to complete the job ahead of schedule and receive incentive	300,000
<i>Miscellaneous expenditures</i> – to date these are limited to legal fees associated with appeals to the imminent domain acquisition of right-of-way	30,000
<i>Railroad crossings</i> – the project includes two crossings that staff thought would not exceed \$600,000; the railroad has submitted a much greater bid	<u>1,300,000</u>
TOTAL	<u>\$ 2,619,110</u>

This amount not only is more than the contingency, but it also exceeds allocated funding by almost \$1.1 million.

RECOMMENDATION:

To address the \$1.1 million shortfall, staff recommends using the following available funds, as ranked by priority:

1) Future interest earnings from invested funds	\$ 50,000
2) Shifting of 2006 bond proceeds from Midway Road Rehabilitation	500,000
3) Shifting of 2006 bond proceeds from Arapaho Road/Tollway Intersection	750,000
4) Potential Beltline Resurfacing savings	<u>100,000</u>
TOTAL	<u>\$ 1,400,000</u>

ARAPAHO ROAD PHASE III FUNDING UPDATE
Updated March 24, 2005

<u>Project Balances as of December 31, 2004</u>	
Fund 41 - Street Capital Project Fund	\$ 1,247,842
Fund 46 - 2000 Capital Project Fund	-
Fund 44 - 2002 Capital Project Fund	803,744
Fund 47 - 2004 Capital Project Fund	11,990,624
Total Project Balances	<u>\$ 14,042,210</u>

Comments

Project Requirements as of December 31, 2004

<u>Under Contract:</u>	
Archer Western Contractors Ltd.	\$ 12,028,332
HNTB Design Contract	56,361
HNTB Construction Inspection Contract	310,310
HNTB Landescape Architecture Contract	4,365
HNTB Shop Drawing Contract	55,964
URS Bridge Shop Drawing Contract	20,668
	<u>12,476,020</u>

Per 12/20/04 Invoice - Original contract was \$16,702,578.42 plus \$8,509.00 change order.
 Per 10/15/04 Invoice - Not received and paid until February 2005.
 Per 01/28/05 Invoice - Invoice was for \$124,376.16 going back to 01/23/02!!!
 Per 04/09/04 Invoice - Remaining of original \$67,291 contract.
 ** Contract approved by Council in August 2004.
 ** Contract for \$24,900 approved by staff.

<u>Additional Work Authorized:</u>	
Archer Western Change Orders #2 & 3	160,750
TXU Electric Utility Relocation	282,950
SBC Utility Relocation	39,000
Farmers Branch Water Line Relocation	107,410
	<u>590,110</u>

\$518,160

** Increased by \$18,690 due to unexpected increase in material cost.

<u>Additional Work Identified:</u>	
Archer Western Incentive Payment	300,000
Future Archer Western Change Orders	250,000
HNTB Additional Construction Inspection	149,000
DGNO Railroad Crossing	1,300,000
Legal fees Associated with Contested ROW	30,000
	<u>2,029,000</u>

**This amount reduced from \$269k.

← CMES, BULLOUGH?

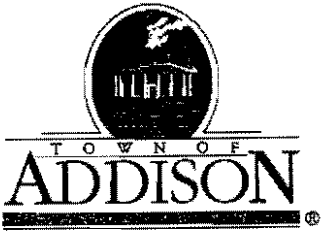
Total Project Requirement \$ 15,095,130

Project Balance \$ (1,052,920)

<u>Potential Resources - Prioritized:</u>	
1) Future Interest Earnings	50,000
2) 2008 Bond Sale Midway Road Rehabilitation	500,000
3) 2008 Bond Sale - Arapaho Rd. Tollway Intersection	750,000
4) Beltline Resurfacing Savings	100,000
5) South Quorum/Inwood Road Park	518,260
6) 2006 Bond Sale - Belt Line SPU	2,200,000
	<u>\$ 2,818,260</u>

Leaves \$250k for rehab work.

Conservative estimate, may approach \$500k.
 Identified as possible source of Fairfield development commitment.



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

March 24, 2005

Mr. David Eyermann
D.G.&NO
403 International Pkwy., Suite 500
Richardson, Texas 75081

Re: Arapaho Road
Quiet Zone Crossings

Dear Mr. Eyermann:

The Town of Addison received your estimate of cost, in the amount of \$1,300,000, for the proposed installation of two quiet zone type crossings on our Arapaho Road project. As you discussed with our Assistant City Manager, Chris Terry, and in the interest of attempting to obtain a more competitive bid for the improvements, we are respectfully requesting that this work be re-bid with other contracting companies.

It is the desire of the Town to work diligently with DGNO to install rail crossings that provide optimum facility maintenance and safety to the general public. Your assistance in re-bidding the improvements will also greatly help the Town's budgetary constraints on this project.

Your consideration and attention in this matter is very much appreciated.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer



ARCHITECTS ENGINEERS PLANNERS

701 Commerce Street
Suite 700
Dallas, Texas
75202
(214) 748-8100
Fax (214) 742-4682
www.hntb.com

Steve

May 19, 2004

Town of Addison
Public Works Department
16801 Westgrove Drive
P.O. Box 9010
Addison, TX 75001-9010

Attn: Mr. Jim Pierce

ARAPAHO ROAD PHASE II/III
Certificates of Insurance

Dear Mr. Pierce:

In accordance with the provisions of the agreement with the Town of Addison, we are enclosing Certificates of Insurance for May 1, 2004 to May 1, 2005, conforming to the requirements of the agreement. These are forwarded for your information and file.

Should you have any questions or comments, please do not hesitate to call.

Very truly yours,

HNTB CORPORATION

Benjamin J. Biller, P.E.
Vice President, Central Division

BJB/etb

Enclosure

25768

The HNTB Companies

OFFICES: ALEXANDRIA, VA; ANNAPOLIS, MD; ATLANTA, GA; AUSTIN, TX; BAYON BOUGE, LA; BOSTON, MA; CHARLESTON, SC; CHARLESTON, WV; CHICAGO, IL; CLEVELAND, OH; COLUMBUS, OH; DALLAS, TX; DENVER, CO; DETROIT, MI; ELKINS, WV; FT. WORTH, TX; HARTFORD, CT; HICKSVILLE, NY; HOUSTON, TX; INDIANAPOLIS, IN; JACKSONVILLE, FL; KANSAS CITY, MO; KNOXVILLE, TN; LANSING, MI; LOS ANGELES, CA; LOUISVILLE, KY; MADISON, WI; MIAMI, FL; MILWAUKEE, WI; MINNEAPOLIS, MN; NASHVILLE, TN; NEW YORK, NY; OAKLAND, CA; ORANGE COUNTY, CA; ORLANDO, FL; OVERLAND PARK, KS; PHILADELPHIA, PA; PORTLAND, ME; PORTLAND, OR; RALEIGH, NC; ST. LOUIS, MO; SALT LAKE CITY, UT; SAN ANTONIO, TX; SAN BERNARDINO, CA; SAN FRANCISCO, CA; SAN JOSE, CA; SEATTLE, WA; TAMPA, FL; TOLEDO, OH; WAYNE, MI; WASHINGTON, DC

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)

5/3/04

PRODUCER Lockton Companies 444 W. 47 th Street, Suite 900 Kansas City, MO 64112-1906 (816) 960-9000	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.
INSURED HNTB Corporation 5910 W. Plano Parkway, Suite 200 Plano, TX 75093	INSURERS AFFORDING COVERAGE
	INSURER A: CONTINENTAL CASUALTY CO. INSURER B: (VICTOR O. SCHINNERER) INSURER C: INSURER D: INSURER E:


COVERAGES PC

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	NOT APPLICABLE			EACH OCCURRENCE \$ FIRE DAMAGE (Any one fire) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY <input 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	NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO	NOT APPLICABLE			AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
	EXCESS LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> UMBRELLA FORM RETENTION \$	NOT APPLICABLE			EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	NOT APPLICABLE			<input type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	OTHER PROFESSIONAL LIABILITY	EXN 008213985	5/1/04	5/1/05	\$1,000,000 per claim & the annual aggregate for all projects

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

HNTB Job 25768; Arapaho Road Extension - Phase III/III

CERTIFICATE HOLDER Town of Addison Public Works Department P.O. Box 144 Addison, TX 75001	ADDITIONAL INSURED: INSURER LETTER: CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE 
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IMPORTANT

If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

PAVING, UTILITIES, SIGNALIZATION, AND STREETScape
BID SCHEDULE SUMMARY
ARAPAHO ROAD - PHASE III
MARSH LANE TO SURVEYOR BOULEVARD

Bid Schedule & Description	ENGINEER'S ESTIMATE Total Amount Materials & Services
I. Roadway Improvements	\$ <u>4,829,680.00</u>
II. Utility Improvements	\$ <u>3,535,497.00</u>
III. Signalization and Lighting	\$ <u>863,720.00</u>
V. Bridge	\$ <u>4,415,891.40</u>
VI. Bridge Lighting	\$ <u>641,678.25</u>
VII. Streetscape	\$ <u>1,661,204.65</u>
VIII. Alternate Bid	\$ <u>339,830.00</u>
TOTAL BID FOR SCHEDULES I - VIII	\$ <u>15,947,671.30</u>

May 26, 2004 3:00pm, Pre Bid Meeting Sign in Sheet
04-22 Arapaho Rd Phase III,

Add 3	Company	Name	Phone	Fax
	MARTIN K. EBY CONST. Co.	KURT GRIER	214-880-0028	214-880-9916
✓	MARTIN K. EBY CONST. Co.	CRAIG CHRISTIAN	817-268-0514	817-268-1309
	R.Y. " " " "	RICHARD MCGORD	" " "	" " "
	Archer Western	Andrew Schneemann	817-640-3898	817-640-8734
	L.H. Lacy Co.	Darlene Conroy	214-357-0146	214-350-0662
	MARIO SINAROLA & SONS	LARRY M. LAMP	(2) 387-3900	(2) 387-3940
	Orval Hall Excavating Co.	Lori Nelson	817-624-7207	817-625-2941
	Texas Sterling Const.	Carl D. Wall	972-606-2733	972-606-2713
	A.H. Beck Foundation Co.	Robin L. Reeves	972-998-0316	972-846-2107
	MELS ELECTRIC L.P.	KEITH ROBERTSON	214-565-1024	214-565-1081
	ECS, Ltd	Bobby Ray	972-392-3222	972-392-0102
	"	Chris Eddy	"	"
	GREAT WESTERN ERECTORS	PETE SELF	214.637.2500	214.637.2504
	BEND TEC	MICHAEL WHITNEY	972-247-9250	972-247-9252
	BEND TEC	BOB MEDELHOFF	"	"
	AUSTIN BRIDGE & ROAD	CHARLEY SPENCE	214 596 7300	214 596 7395
	AUSTIN BRIDGE & ROAD	TONY STEHLING	" " "	214-596-7371
	"	Jerome Shaw	" " "	" " 7395
	URS URS	Cliff Hall	972.406.6950	972.406.6951

**Bid 04-22 Arapaho Rd Phase III
ADDENDUM NO. 3 notice
Bid Due: Monday, June 7, 2004 @ 2:00PM**

Addendum 3 CD will be available at the Pre Bid meeting, Wednesday May 26, 2004 @ 3:00pm, Town of Addison Service Center, 16801 Westgrove Dr., Addison, TX 75001.

Addendum 3 CD will also be available from Town of Addison Purchasing Office, 5350 Belt Line Rd, Addison, TX 75254.

If you want **Addendum 3 CD** mailed to you, Please send request by email to: msuh@ci.addison.tx.us or fax at 972-450-7096. Please provide Fed Ex or Airborne Express account number to pay for shipping with the following information:

Company Name
Address
Phone, Fax
Contact Person and email address

All updates and addendum notices will be posted on www.ci.addison.tx.us under Purchasing or www.demandstar.com .

ACKNOWLEDGED BY BIDDING CONTRACTOR:

_____ Date: _____

TRANSMITTAL OF ADDENDUM

INSTRUCTIONS:

Acknowledge receipt of Addenda with the form below, please FAX to (972) 450-7096 upon receipt and Acknowledgement of Addenda on outer envelope of bid.

Addendum Acknowledgment Should be faxed to (972) 450-7096

I Acknowledge the receipt of Addendum No.: 2 Total # Pages: 2

Town of: ADDISON, TEXAS

Project Name: 04-22 Arapaho Rd Phase III

By Facsimile Transmission on this date: May 19, 2004

The undersigned bidder hereby certifies that Addendum No. 2 has been incorporated into the proposal and if accepted becomes part of the contract.

Company Name:	
Signed By (print name):	
Signature:	
Date:	
Phone No:	

**PLEASE SIGN & FAX THIS PAGE
BACK TO TOWN OF ADDISON**

(As verification that you received this update)
972-450-7096

Town of Addison
Bid 04-22 Arapaho Rd Phase III
ADDENDUM NO. 2
Bid Due: Monday, June 7, 2004 @ 2:00PM

Bid Advertisement will be posted in the Legal Section of the Dallas Morning News May 20, 2004 and May 27, 2004.

Another MANDATORY Pre Bid Meeting has been scheduled for Wednesday, May 26, 2004 at 3:00PM, Service Center, 16801 Westgrove Dr. Addison, TX 75001.
If you attended the Pre Bid Meeting on May 17, 2004 you are not required to attend.

It is MANDATORY you attend at least one of the pre bid meetings.

All updates and addendum notices will be posted on www.ci.addison.tx.us under Purchasing or www.demandstar.com.

ACKNOWLEDGED BY BIDDING CONTRACTOR:

_____ Date: _____

ADVERTISEMENT FOR BIDS
Bid # 04-22

The Town of Addison is requesting bids for Arapaho Rd Phase III, Bid No. 04-22. MANDATORY Pre Bid meeting May 17, 2004 2:00pm or May 26, 2004 at 3:00pm at, Service Center, 16801 Westgrove Dr. Bids will be accepted until 2:00 PM Monday, June 7, 2004 at the office of the Purchasing Coordinator, 5350 Belt Line Rd., Addison, Texas 75254 at which time they will be publicly opened and read aloud. Late bids will not be considered and will be returned unopened.

The Town of Addison reserves the right to waive any formalities and to reject any or all bids and to select the bid deemed most advantageous to the City. Bid information is available on www.demandstar.com.

Steve Chutchian

From: Randy Moravec
Sent: Tuesday, May 18, 2004 3:37 PM
To: Mike Murphy; Bryan Langley
Cc: Chris Terry; Steve Chutchian; Jim Pierce; Carmen Moran
Subject: RE: Arapaho Phase III

Mike,

Please provide me an estimated draw-down schedule of the project. Also, our next bond issue was scheduled to be \$15.125 million with \$6.5 million going to Arapaho Phase III and the remaining for Belt Line Road Streetscape. Could you please let me know whether we are ready to sell bonds for the Belt Line project? Better yet, could you redo the 2000 GO Bond Program chart to reschedule application of bond proceeds for the next 1-3 years? Give me a call if you have any questions regarding this request.

I will also be sending you an update on our capital project funds through March in the next couple of days.

THANKS!!!

Randy

—Original Message—

From: Mike Murphy
Sent: Tuesday, May 18, 2004 2:23 PM
To: Bryan Langley; Randy Moravec
Cc: Chris Terry; Steve Chutchian; Jim Pierce
Subject: Arapaho Phase III

Randy, Bryan,

As you know we are in the home stretch of starting construction on Arapaho Road Phase III. It is our goal to award the Road and Bridge construction contract during our June 22nd Council Meeting. Therefore, please make whatever arrangements necessary to begin process to acquire remaining Arapaho Road Bond Funds.

Please let me know what me or my staff can do to assist. Although I don't know how much will be requested on a monthly basis, I would guess that payments would be made in range of half million dollar to million dollar increments over an eighteen month period.

Thanks,

Call with any questions.

Mike

Michael E. Murphy, PE

Director of Public Works

(972) 450-2878 Work

(214) 215-5280 Mobile

(972) 450-2837 Fax

E-Mail: mmurphy@ci.addison.tx.us

**Town of Addison
Bid 04-22 Arapaho Rd Phase III
ADDENDUM NO. 1**

*******Bid due date has changed*******

Bid Due: Monday, June 7, 2004 @ 2:00PM

ACKNOWLEDGED BY BIDDING CONTRACTOR:

_____ Date: _____

TRANSMITTAL OF ADDENDUM

INSTRUCTIONS:

Acknowledge receipt of Addenda with the form below, please FAX to (972) 450-7096 upon receipt and Acknowledgement of Addenda on outer envelope of bid.

Addendum Acknowledgment Should be faxed to (972) 450-7096

I Acknowledge the receipt of Addendum No.: 1 Total # Pages: 2

Town of: ADDISON, TEXAS

Project Name: 04-22 Arapaho Rd Phase III

By Facsimile Transmission on this date: May 17, 2004

The undersigned bidder hereby certifies that Addendum No. 1 has been incorporated into the proposal and if accepted becomes part of the contract.

Company Name:	
Signed By (print name):	
Signature:	
Date:	
Phone No:	

**PLEASE SIGN & FAX THIS PAGE
BACK TO TOWN OF ADDISON**

(As verification that you received this update)

972-450-7096

Steve Chutchian

From: Jerry Holder [JHolder@HNTB.com]
Sent: Monday, March 22, 2004 11:19 PM
To: Steve Chutchian
Cc: Jim Pierce; Mike Murphy; Luke Jalbert; Jenny Nicewander
Subject: RE: Arapaho Rd., Phase III

A. No, we have not investigated this. We have environmental staff that can do this. If you think this is appropriate, let me know and I will take them out to the project site so they can develop a scope and fee for you.

B. We will have two individuals review the plans. I will be one of these, the other will be someone that has not worked on the project...possibly from our San Antonio office. The other check we will do will be a quantity notebook check. I have found that if we get the quantity notebook correct, that is the best Quality Assurance check we can do. If the quantities are correct, the plans are usually correct.

We will provide you with a copy of the quantity notebook with our checks.

Jerry

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

From: Steve Chutchian [mailto:schutchian@ci.addison.tx.us]
Sent: Monday, March 22, 2004 1:19 PM
To: Jerry Holder
Cc: Jim Pierce; Mike Murphy; Luke Jalbert
Subject: Arapaho Rd., Phase III

Jerry: I have a couple of questions:

a. Has anyone on your staff investigated the possibly of wildlife and/or aquatic impact as the result of the Arapaho Rd., Phase III project? We don't won't to be surprised by an issue during construction.

b. Can you forward your staff's method that was and will be used for QA/QC review of the Arapaho Rd. project?

I look forward to hearing from you. Thanks.

Steve Chutchian

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Steve

Craig Christian of Eby Const Co
is very interested in bidding the
Arapaho Rd project. Please
call him when the job is advertised

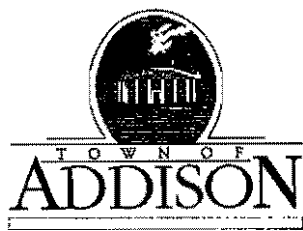
1-817-268-0514

or

1-814-401-1267

Thanks,

Jim



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

Addison 50!

50 YEARS OF FUN!
(972) 450-2871 FAX (972) 450-2837
16801 Westgrove

March 19, 2004

Mr. Bryan Schwartz
President
Northstar Mortgage Corporation
17760 Preston Road
Dallas, Texas 75252

Re: The Rink in Addison
Arapaho Road Extension

Dear Mr. Schwartz:


The Town of Addison will initiate construction of the proposed Arapaho Road Extension Project this spring. The improvements will provide a new east-west roadway system from Addison Road to Surveyor Blvd., with a bridge that spans the entire north side of The Rink in Addison. During construction, the Town will perform the following items that directly affect your property:

- The existing parking and lighting facilities, located within the Town's right-of-way will be altered to accommodate the bridge construction. Additional parking will be provided in an area east of your property and north of the Motel 6 site (See attached drawing). A new lighting and landscaping scheme will also be provided for the parking area in conjunction with the bridge improvements.
- During construction, a temporary fence will be installed along your north property line. This fence will provide a security buffer between the construction site and the daily operation of your business.
- When the new parking area is constructed, the Town will include striping in accordance with the attached design drawing. Please understand that the Town will perform additional striping to portions of your existing parking area in the event that our contractor damages the integrity of the pavement surface.

The current land use and zoning provisions for your property will be unaffected by the construction of the proposed Arapaho Road Extension Project. Should you have any questions regarding the project, or have any concerns during construction, please feel free to contact Mr. Steve Chutchian, P.E., Assistant City Engineer, at 972-450-2886.

Your consideration is greatly appreciated.

Sincerely,

A handwritten signature in black ink, reading "Michael E. Murphy". The signature is written in a cursive style with a large, stylized initial "M".

Michael Murphy, P.E.
Director of Public Works



March 11, 2004

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

Attn: Mr. Jim Pierce, P.E.

ARAPAHO ROAD PHASE III -- 95% Submittal

Dear Jim:

We are pleased to submit to you plans and estimates for the 95% submittal on Arapaho Phase III. We have enclosed 4 sets of plans and estimates for your review. Please note the following:

- Bridge plans have not been included in this set of plans for review
- The foundation for the new lighting standard is currently being designed and will be included in the final submittal
- The pedestrian lighting layout is for spacing purposes only. Final layout is still being evaluated and will be incorporated into the final design
- A quantity for the light pole and pedestrian poles was included in cost estimate, however, no prior unit cost for these poles have been established. Unit costs have not been established.
- Power to be supplied to the police call boxes will still need to be coordinated with Oncor
- Approval from DWU is still pending. Their decision could potentially impact the need for a retaining wall on the north east side of Midway.
- As a point of clarification, internally illuminated signs have not been included in this bid package.
- There is a question on the need of the 3-foot sound wall at the Super 8 parcel.
- The railroad signal equipment locations and cost estimate have not been supplied to HNTB as of this submittal. We do anticipate getting those plans in the near future and will incorporate them into our design when that happens.
- Will there need to be further coordination, discussion with the property owners regarding the improvements under the bridge per the ROW agreements?
- DWU will need to review and approve the fence along there property to verify that it meets their needs in terms of homeland security.
- *Sanitary Sewer* - A plan sheet, SS-3A, has been included with the submittal showing a preliminary alignment to re-route the sanitary sewer which appears to be in conflict near paving station 73+50. G&A will be re-analyzing this conflict upon completion of the DWU pothole work. They are studying the system at this time to determine if the flow can be picked up prior to Midway in order to reduce the length of sanitary sewer.
- *Storm Sewer* - In the 'Y' track area, G&A is continuing to study the existing drainage between the tracks in the proposed park area. Analysis shows that the existing 4'x2' box culverts under the railroad tracks at the upstream and downstream ends are currently undersized for the existing flow. There is a possibility that the existing boxes can be left in place and provide additional capacity by boring a pipe under the tracks in order to not interrupt the track service. This will require additional analysis which is anticipated being

The HNTB Companies

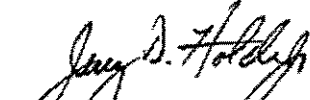
OFFICES: ALEXANDRIA, VA; ANNAPOLIS, MD; ATLANTA, GA; AUSTIN, TX; BATON ROUGE, LA; BOSTON, MA; CHARLESTON, SC; CHARLESTON, WV; CHICAGO, IL; CLEVELAND, OH; COLUMBUS, OH; DALLAS, TX; DENVER, CO; DETROIT, MI; ELKINS, WV; FAIRFIELD, NJ; FT. WORTH, TX; HARTFORD, CT; HOUSTON, TX; INDIANAPOLIS, IN; IRVINE, CA; KANSAS CITY, MO; KNOXVILLE, TN; LANSING, MI; LOS ANGELES, CA; LOUISVILLE, KY; MADISON, WI; MIAMI, FL; MILWAUKEE, WI; MINNEAPOLIS, MN; NASHVILLE, TN; NEW YORK, NY; OAKLAND, CA; ORLANDO, FL; OVERLAND PARK, KS; PLYMOUTH MEETING, PA; PORTLAND, ME; PORTLAND, OR; RALEIGH, NC; ST. LOUIS, MO; SALT LAKE CITY, UT; SAN ANTONIO, TX; SAN BERNARDINO, CA; SAN FRANCISCO, CA; SAN JOSE, CA; SEATTLE, WA; TAMPA, FL; TOLEDO, OH; WASHINGTON, D.C.

complete prior to the final submittal. Sheet SW-19 shows a plan view of the proposed storm in this area.

- *Bridge Drainage* – G&A has analyzed the bridge drainage; however, they would like to meet with the Town and URS to discuss the options.

Very truly yours,

HNTB CORPORATION



Jerry D. Holder, P.E.
Director of Capital Projects

JDH/dsl

Enclosure

25768 DS 301

PAVING, UTILITIES, SIGNALIZATION, AND STREETScape
BID SCHEDULE SUMMARY
ARAPAHO ROAD - PHASE III
MARSH LANE TO SURVEYOR BOULEVARD

Bid Schedule & Description	ENGINEER'S ESTIMATE
	Total Amount Materials & Services
I. Roadway Improvements	\$ <u>3,299,930.00</u>
II. Utility Improvements	\$ <u>3,176,360.00</u>
III. Signalization and Lighting Improvements	\$ <u>769,790.00</u>
IV. Streetscape Improvements	\$ <u>2,067,870.00</u>
V. Bridge	\$ <u>0.00</u>
VI. Contingency - 5%	\$ <u>465,700.00</u>
TOTAL BID FOR SCHEDULES I - V	\$ <u>9,779,650.00</u>

**BID SCHEDULE 1
ROADWAY IMPROVEMENTS
ARAPAHO ROAD - PHASE III
MARSH LANE TO SURVEYOR BLVD.**

ENGINEER'S ESTIMATE

ITEM NO.	DESCRIPTION & UNIT PRICE (IN WORDS)	UNIT	UNIT PRICE	EST. QTY.	AMOUNT
101	Mobilization	L.S.	\$ 200,000.00	1	\$ 200,000.00
102	Prepare right-of-way	STA.	\$ 5,000.00	54.0	\$ 270,000.00
103	Full depth sawcut existing concrete	L.F.	\$ 4.00	600	\$ 2,400.00
104	Remove and dispose of existing concrete pavement, including curb	S.Y.	\$ 6.00	3,300	\$ 19,800.00
105	Remove and dispose of existing concrete sidewalk	S.Y.	\$ 10.00	75	\$ 750.00
106	Unclassified street excavation	C.Y.	\$ 9.00	16,000	\$ 144,000.00
107	Embankment	C.Y.	\$ 10.00	27,600	\$ 276,000.00
108	Furnish and place 10" thick reinforced concrete pavement, 4000 psi @ 28 days	S.Y.	\$ 40.00	21,000	\$ 840,000.00
109	Furnish and place 6" thick integral concrete curb, 4000 psi @ 28 days	L.F.	\$ 8.00	11,000	\$ 88,000.00
110	Furnish and place monolithic median nose, 4000 psi @ 28 days	EA.	\$ 825.00	4	\$ 3,300.00
111	Furnish and place 8" thick reinforced concrete driveway, 4000 psi @ 28 days	S.Y.	\$ 36.00	450	\$ 16,200.00
112	Furnish and place reinforced concrete island, 4000 psi @ 28 days	S.Y.	\$ 38.00	300	\$ 11,400.00
113	Furnish, place and maintain traffic control devices	L.S.	\$ 50,000.00	1	\$ 50,000.00
114	Furnish, install wheelchair ramp	EA.	\$ 750.00	4	\$ 3,000.00
115	Remove and relocate roadside sign	EA.	\$ 350.00	1	\$ 350.00
116	Furnish and install Stop sign (R1-1)	EA.	\$ 470.00	1	\$ 470.00
117	Furnish and install Speed Limit sign (R2-1)	EA.	\$ 470.00	2	\$ 940.00
118	Furnish and install Left Lane Must Turn Left sign (R3-7L)	EA.	\$ 470.00	4	\$ 1,880.00
119	Furnish and install Right Lane Must Turn Right sign (R3-7R)	EA.	\$ 470.00	3	\$ 1,410.00
120	Furnish and install Merge Right sign (R4-7)	EA.	\$ 470.00	2	\$ 940.00
121	Furnish and install Signal Ahead sign (W3-3)	EA.	\$ 470.00	4	\$ 1,880.00
122	Furnish and install Wrong Way sign (R5-1A)	EA.	\$ 470.00	1	\$ 470.00
123	Furnish and install Keep Right sign (R4-7A)	EA.	\$ 470.00	2	\$ 940.00
124	Furnish and install No Parking sign (R6-3A)	EA.	\$ 470.00	2	\$ 940.00
125	Furnish and install Divided Highway sign (R6-3A)	EA.	\$ 470.00	3	\$ 1,410.00

**ROADWAY IMPROVEMENTS
ARAPAHO ROAD - PHASE III
MARSH LANE TO SURVEYOR BLVD.**

ENGINEER'S ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	PRICE	EST. QTY.	AMOUNT
126	Furnish and install Left Lane Ends sign (R9-2L)	EA.	\$ 470.00	2	\$ 940.00
127	Furnish and install Lane Ends (W4-2R)	EA.	\$ 470.00	1	\$ 470.00
128	Furnish and install RR XING sign (W10-1)	EA.	\$ 470.00	0	\$ -
129	Furnish and install Do Not Stop on Tracks sign (8-8)	EA.	\$ 470.00	4	\$ 1,880.00
130	Furnish and install RR XING, cross bucks sign (R15-1)	EA.	\$ 470.00	4	\$ 1,880.00
131	Furnish and install 2 Tracks sign (R15-2)	EA.	\$ 470.00	4	\$ 1,880.00
132	Furnish and install Emergency Notification sign (I1-13)	EA.	\$ 470.00	4	\$ 1,880.00
133	Furnish and install One Way sign (R6-1R)	EA.	\$ 470.00	1	\$ 470.00
134	Furnish, place and maintain traffic control devices	L.S.	\$ 100,000.00	1	\$ 100,000.00
135	Furnish and place 4" white reflective square acrylic buttons	EA.	\$ 8.00	550	\$ 4,400.00
136	Furnish and place 4" white non-reflective raised ceramic buttons	EA.	\$ 6.00	550	\$ 3,300.00
137	Furnish and place 4" yellow double-reflective square acrylic buttons	EA.	\$ 8.00	505	\$ 4,040.00
138	Furnish and place 6" x 6" white jiggle bar tiles	EA.	\$ 18.00	122	\$ 2,196.00
139	Remove existing pavement markings and buttons	LS	\$ 2,500.00	1	\$ 2,500.00
140	Furnish and place pavement directional markers	EA.	\$ 250.00	23	\$ 5,750.00
141	White thermoplastic reflective pavement marking ("ONLY")	EA.	\$ 250.00	16	\$ 4,000.00
142	RR Xing Pavement Markings, as shown on plans	EA.	\$ 550.00	8	\$ 4,400.00
143	Furnish and place 6" solid white thermoplastic stripe	L.F.	\$ 3.00	75	\$ 225.00
144	Furnish and place 24" solid white thermoplastic stop bar	L.F.	\$ 10.00	102	\$ 1,020.00
145	Furnish and place 4" solid yellow thermoplastic stripe	L.F.	\$ 2.00	90	\$ 180.00
146	Furnish and place MSE retaining wall (ITEM 423)	S.F.	\$ 15.00	54,000	\$ 810,000.00
147	Furnish and place concrete retaining wall Class F Concrete (CIP Wall), F'c = 4000 psi	C.Y.	\$ 500.00	815	\$ 407,400.00
148	Structural excavation	C.Y.	\$ 10.00	463	\$ 4,630.00

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TOTAL AMOUNT BID FOR MATERIALS AND SERVICES SCHEDULE (ITEMS 10) THROUGH 148 INCLUSIVE	\$ 3,299,921.00
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**BID SCHEDULE II
UTILITY IMPROVEMENTS
ARAPAHO ROAD - PHASE III
SURVEYOR BLVD TO ADDISON ROAD**

ITEM NO.	DESCRIPTION & UNIT PRICE IN WORDS	UNIT	UNIT PRICE	EST. QTY.	AMOUNT
201	Furnish and install 12" PVC SDR 35 sanitary sewer pipe, including embedment	LF	\$ 45.00	1,177	\$ 52,965.00
202	Furnish and install 4' diameter sanitary sewer manhole, complete and in place	EA	\$ 3,250.00	3	\$ 9,750.00
203	Connect existing sanitary sewer service to proposed sanitary sewer	EA	\$ 500.00	3	\$ 1,500.00
204	Furnish and install 24" steel encasement pipe as shown on the plans, including embedment	LF	\$ 250.00	300	\$ 75,000.00
205	Remove and dispose of existing manhole	EA	\$ 1,000.00	5	\$ 5,000.00
206	Furnish, install, maintain and remove erosion control devices	LS	\$ 20,000.00	1	\$ 20,000.00
207	Remove Concrete Channel Lining	LS	\$ 50,000.00	1	\$ 50,000.00
208	Remove Existing 66" RCP	LF	\$ 25.00	510	\$ 12,750.00
209	Remove 54" Headwall and RCP	LF	\$ 25.00	28	\$ 700.00
210	Remove 30" RCP	LF	\$ 15.00	16	\$ 240.00
211	Remove 30" headwall	EA	\$ 250.00	1	\$ 250.00
212	Remove CMP and headwall	LF	\$ 20.00	39	\$ 780.00
213	Concrete Cradle over water	LS	\$ 25,000.00	1	\$ 25,000.00
214	10' Standard Curb Inlet	EA	\$ 3,500.00	21	\$ 73,500.00
215	20' Standard Curb Inlet	EA	\$ 4,500.00	1	\$ 4,500.00
216	10' Modified Curb Inlet	EA	\$ 3,500.00	1	\$ 3,500.00
217	"Y" Inlet	EA	\$ 2,500.00	10	\$ 25,000.00
218	MCW-P Wingwall	EA	\$ 10,000.00	1.0	\$ 10,000.00
219	2-8'x6' Headwall	EA	\$ 12,000.00	1	\$ 12,000.00
220	1-8'x6' Headwall	EA	\$ 8,000.00	1	\$ 8,000.00
221	1-6'x5' Headwall	EA	\$ 5,000.00	1	\$ 5,000.00
222	30" Type 'A' Headwall	EA	\$ 2,500.00	1	\$ 2,500.00
223	36" Type 'B' Headwall	EA	\$ 3,500.00	1	\$ 3,500.00
224	Junction Structure (2-10'x6' to 2-8'x6', 1-66")	LS	\$ 20,000.00	1	\$ 20,000.00
225	18" RCP Storm Sewer Pipe	LF	\$ 55.00	8	\$ 440.00
226	21" RCP Storm Sewer Pipe	LF	\$ 60.00	505	\$ 30,300.00
227	24" RCP Storm Sewer Pipe	LF	\$ 70.00	1,079	\$ 75,530.00
228	30" RCP Storm Sewer Pipe	LF	\$ 75.00	425	\$ 31,875.00
229	36" RCP Storm Sewer Pipe	LF	\$ 100.00	711	\$ 71,100.00
230	54" RCP Storm Sewer Pipe	LF	\$ 175.00	19	\$ 3,325.00
231	6' X 5' Box Culvert	LF	\$ 300.00	112	\$ 33,600.00
232	8' X 6' Box Culvert	LF	\$ 325.00	1,490	\$ 484,250.00
233	9' X 5' Box Culvert	LF	\$ 350.00	4,166	\$ 1,458,100.00
234	10' X 5' Box Culvert	LF	\$ 375.00	512	\$ 192,000.00
235	10' X 6' Box Culvert	LF	\$ 400.00	861	\$ 344,400.00
236	Sediment Removal, 66" RCP	LS	\$ 30,000.00	1	\$ 30,000.00

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TOTAL AMOUNT BID FOR MATERIALS AND SERVICES SCHEDULED ITEMS 201 THROUGH 236 INCLUSIVE \$ 3,176,355.00

**BID SCHEDULE IV
STREETSCAPE & PARK IMPROVEMENTS
ARAPAHO ROAD - PHASE III
ARAPAHO ROAD TO SURVEYOR BLVD.**

ENGINEER'S ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	EST. QTY.	AMOUNT BID
401	Furnish and install Shumard Oak (4" cal.)	EA.	\$ 800.00	45	\$ 36,000.00
402	Furnish and install Shantung Maple (3" cal.)	EA.	\$ 450.00	59	\$ 26,550.00
403	Furnish and install Savannah Holly (30 gal. specimen)	EA.	\$ 300.00	70	\$ 21,000.00
404	Furnish and install Vitex/Chaste Tree (30 gal. specimen)	EA.	\$ 275.00	18	\$ 4,950.00
405	Furnish and install Cape Myrtle (30 gal.)	EA.	\$ 250.00	43	\$ 10,750.00
406	Furnish and install Dwarf Burford Holly (5 gal.)	EA.	\$ 22.00	227	\$ 4,994.00
407	Furnish and install Fringe flower (5 gal.)	EA.	\$ 25.00	101	\$ 2,525.00
408	Furnish and install Harbor Dwarf Nandina (3 gal.)	EA.	\$ 15.00	986	\$ 14,790.00
409	Furnish and install Purple Wintercreeper (1 gal.)	EA.	\$ 2.50	1,524	\$ 3,810.00
410	Furnish and install Asian Jasmine (1 gal)	EA.	\$ 2.50	13,095	\$ 32,737.50
411	Furnish and install Wildflower Mix (seed)	S.F.	\$ 0.20	2,642	\$ 528.40
412	Furnish and install Indian Grass (5 gal)	EA.	\$ 22.00	63	\$ 1,386.00
413	Furnish and install Bushy Bluestem Grass (5 gal)	EA.	\$ 22.00	202	\$ 4,444.00
414	Furnish and install Little Bluestem Grass (3 gal)	EA.	\$ 12.00	1,313	\$ 15,756.00
415	Furnish and install Lindheimer's Muhly (3 gal)	EA.	\$ 16.00	325	\$ 5,200.00
416	Furnish and install Weeping Love Grass (see specs)	S.Y.	\$ 1.00	9,035	\$ 9,035.00
417	Furnish and install solid sod (Buffalo 609)	S.Y.	\$ 3.65	5,932	\$ 21,651.80
418	Furnish and install solid sod (Bermuda)	S.Y.	\$ 2.85	23,450	\$ 66,832.50
419	Remove and dispose of trees	EA.	\$ 450.00	24	\$ 10,800.00
420	Furnish and install tree protection	L.F.	\$ 5.00	560	\$ 2,800.00
421	Furnish and place compost in turf areas	C.Y.	\$ 30.00	812	\$ 24,360.00
422	Furnish and install finely shredded hardwood bark mulch	C.Y.	\$ 30.00	3,250	\$ 97,500.00
423	Furnish and install bed preparation with compost	C.Y.	\$ 30.00	3,910	\$ 117,300.00
424	Furnish and install irrigation system, turnkey	L.S.	\$ 480,000.00	1	\$ 480,000.00
425	Furnish and install crosswalk brick pavers (see specs)	S.F.	\$ 7.50	1,778	\$ 13,335.00
426	Furnish and install median pavers (see specs)	S.F.	\$ 6.50	3,724	\$ 24,206.00
427	Furnish and install walkway pavers (see specs)	S.F.	\$ 7.50	6,937	\$ 52,027.50
428	Furnish and place 5" reinforced concrete paving	S.F.	\$ 4.00	54,200	\$ 216,800.00

STREETSCAPE & PARK IMPROVEMENTS
ARAPAHO ROAD - PHASE III
ARAPAHO ROAD TO SURVEYOR BLVD.

ENGINEER'S ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	PRICE IN WORDS	UNIT PRICE	EST. QTY.	AMOUNT BID
429	Furnish and place 5" reinforced concrete path	S.F.	\$ 3.50	29,140	\$ 101,990.00	
430	Furnish and place 12" concrete bands	L.F.	\$ 9.00	4,296	\$ 38,664.00	
431	Furnish and place 6" concrete bands	L.F.	\$ 9.00	540	\$ 4,860.00	
432	Furnish and place select fill (for landscape berms)	C.Y.	\$ 10.00	11,487	\$ 114,870.00	
433	Furnish and install flush concrete strips (2'x10')	S.F.	\$ 4.50	120	\$ 540.00	
434	Furnish and place decomposed granite paving	S.F.	\$ 4.00	30,866	\$ 123,464.00	
435	Furnish and place river cobbles with drain pipe, if shown	C.Y.	\$ 75.00	47	\$ 3,525.00	
436	Furnish and place landscape boulders	EA.	\$ 675.00	26	\$ 17,550.00	
437	Furnish and install flagstone paving	S.F.	\$ 20.00	6,100	\$ 122,000.00	
438	Furnish and install ADA ramp	EA.	\$ 750.00	7	\$ 5,250.00	
439	Furnish and install tree grate	EA.	\$ 950.00	26	\$ 24,700.00	
440	Furnish and place concrete benches (18" ht.)	EA.	\$ 400.00	20	\$ 8,000.00	
441	Furnish and place concrete benches (22" ht.)	EA.	\$ 750.00	7	\$ 5,250.00	
442	Furnish and place concrete retaining wall (includes footing)	C.Y.	\$ 475.00	82	\$ 38,950.00	
443	Furnish and install CMU wall (includes footing)	L.F.	\$ 52.00	144	\$ 7,488.00	
444	Furnish and install brick veneer (see specs)	S.F.	\$ 17.00	608	\$ 10,336.00	
445	Furnish and install cast stone cap	L.F.	\$ 15.00	144	\$ 2,160.00	
446	Furnish and install modular retaining wall system (Mesa)	S.F.	\$ 20.00	685	\$ 13,700.00	
447	Furnish and install security fence on retaining wall	L.F.	\$ 75.00	441	\$ 33,075.00	
448	Furnish and install security fence	L.F.	\$ 65.00	895	\$ 58,175.00	
449	Furnish and install double security gate	EA.	\$ 2,250.00	1	\$ 2,250.00	
450	Furnish and place brick columns	EA.	\$ 1,500.00	6	\$ 9,000.00	
451	Furnish and install pedestal voice communication unit (includes footing)	EA.	\$ 2,500.00	3	\$ 7,500.00	

MAJOBS\25768Phase3\CLNTPROJ\BidTabph3 95%.xls\Roadway

TOTAL AMOUNT BID FOR MATERIALS AND SERVICES, SCHEDULE ITEMS 401 THROUGH 451 INCLUSIVE	\$ 2,067,865.70
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**BID SCHEDULE III
SIGNALIZATION AND LIGHTING IMPROVEMENTS
ARAPAHO ROAD - PHASE III
MARSH LANE TO SURVEYOR BLVD.**

ENGINEER'S ESTIMATE

ITEM No.	DESCRIPTION	UNIT	UNIT PRICE	EST. QTY.	AMOUNT BID
301	Traffic Signals - Arapaho Road at Addison Road (see note 1)	L.S.	\$ 100,000.00	1	\$ 100,000.00
302	Traffic Signals - Arapaho Road at Surveyor Blvd. (see note 1)	L.S.	\$ 100,000.00	1	\$ 100,000.00
303	Conduit, 2" schedule 40 PVC	L.F.	\$ 6.50	9,121	\$ 59,286.50
304	Conduit, 2" schedule 40 PVC, Bored and Trenched	L.F.	\$ 17.00	213	\$ 3,621.00
305	Cable, insulated, # 6 AWG	L.F.	\$ 0.90	11,026	\$ 9,923.40
306	Cable, insulated, # 8 AWG	L.F.	\$ 0.60	7,534	\$ 4,520.40
307	Bare ground, # 6 AWG	L.F.	\$ 0.90	5,513	\$ 4,961.70
308	Bare ground, # 8 AWG	L.F.	\$ 0.55	3,767	\$ 2,071.85
309	35' 3" street light pole	EA.	\$ 8,000.00	15	\$ 120,000.00
310	Pedestrian base and light pole	EA.	\$ 3,750.00	54	\$ 202,500.00
311	Combination, street light w/ pedestrian fixture	EA.	\$ 9,200.00	10	\$ 92,000.00
312	Foundation, 35' 3" street light pole	EA.	\$ 900.00	25	\$ 22,500.00
313	Foundation, pedestrian light pole	EA.	\$ 600.00	54	\$ 32,400.00
314	Ground mounted pullbox, type A	EA.	\$ 600.00	15	\$ 9,000.00
315	Pedestrian lighting control cabinet (see note 2)	EA.	\$ 3,500.00	2	\$ 7,000.00

M:\JOBS\25768Phase3\CLNTPROJ\BidTabph3 95%.xls\Roadway

TOTAL AMOUNT BID FOR MATERIALS AND SERVICES, SCHEDULE I ITEMS 301 THROUGH 315, INCLUSIVE	\$ 769,784.85
---	----------------------

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/3/2003

PRODUCER
Liberty Mutual Insurance Company
Southcreek Corporate Center 2
13160 Foster, Suite 100
Overland Park, KS 66213

INSURED
HNTB Corporation
5910 W. Plano Parkway, Suite 200
Plano, TX 75093

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.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Liberty Mutual Fire Insurance Company	23035
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSR	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 CLAIMS MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	TB2-141-433035-213	12/1/03	12/1/04	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
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	AS2-141-433035-233	12/1/03	12/1/04	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	WA2-14D-433035-664	1/1/04	1/1/05	<input checked="" type="checkbox"/> WC STATUS/TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
		OTHER				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
 HNTB Job 25768; Arapaho Road Extension - Phase II/III Additional Insured: Town of Addison as respects general liability and automobile liability.

CERTIFICATE HOLDER
 Town of Addison
 Public Works Department
 P.O. Box 144
 Addison, TX 75001

CANCELLATION
 SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDORSE BY MAIL 60 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, NOTWITHSTANDING ANY NOTICE REQUIREMENTS OF ANY POLICY.
 AUTHORIZED REPRESENTATIVE

Harbour Group Parcel #10	\$29,768	
Dale Bullough/Metrocrest 1 Parcel #11	\$29,357	
Public Storage of Dallas, Ltd. Parcel #12	\$1,583,210	
Public Storage of Dallas, Ltd. Parcel #13	included in #12	
Audit and Legal Fees	\$25,000	*number not current
Road way construction	\$8,047,085	Estimate
Bridge Construction	\$5,000,000	Estimate
Bridge Design	\$550,965	
Streetscape construction	\$1,200,000	Estimate
Bridge Design Stipend	\$30,000	
URS bridge concept meeting	\$19,570	
Wye Track Crossing Fee	\$2,500	
Environmental reports	\$7,210	
Hipes & Associates	\$40,365	
Pat Haggerty	\$2,805	
Evaluation Associates	\$21,750	
Bridge Pre-Submittal meeting @ Stone Cottage	\$706	
	Total, Phase III	\$19,889,579
	Total Expenses	\$24,123,468
Total over/under budget	\$574,969	
Spui	\$2,000,000	
Midway Road	\$1,000,000	
Total funds remaining if needed	\$3,000,000	
*Dart Lap funds 2001-2003		

ARAPAHO ROAD, MARSH LANE TO ADDISON ROAD		
Project Budget	Project #	83300
Description	Amount	Notes
Bond Funds	\$20,500,000	2000 bonds
County funds	\$1,432,812	
* Dart Lap	\$1,046,000	
Morris Road available funds	\$300,000	
Addison Road/Excel	\$230,000	
Reprogrammed DART LAP Funds	\$1,189,625	
total available funds	\$24,698,437	
Phase II, Marsh to Surveyor		
Sub Total	\$4,233,889	
Phase III, Surveyor to Addison Road		
ROW analysis	\$44,977	
HNTB Design Fee	\$813,785	
Evaluation Associates	\$39,000	
HNTB Urban Design (streetscape)	\$51,000	
Metro Brick Parcel #1	\$95,150	
Joe's Auto Body Parcel #2	\$173,202	
Union Pacific Railway Company Parcel #3	\$1,204,217	
The City of Dallas Parcel #4	\$13,018	
Heritage Inn Parcel #5	\$60,868	
Motel 6 Parcel #6	\$463,244	
Charter Furniture Parcel #7	\$166,446	
Gary Crouch/MBNA Parcel #8	\$62,381	
John Wilson Parcel #9	\$112,000	
Harbour Group Parcel #10	\$29,768	
Dale Bullough/Metrocrest 1 Parcel #11	\$29,357	
Public Storage of Dallas, Ltd. Parcel #12	\$1,583,210	
Public Storage of Dallas, Ltd. Parcel #13	included in #12	
Audit and Legal Fees	\$25,000	*number not current
Road way construction	\$8,047,085	Estimate
Bridge Construction	\$5,000,000	Estimate
Bridge Design	\$550,965	
Streetscape construction	\$1,200,000	Estimate
Bridge Design Stipend	\$30,000	
URS bridge concept meeting	\$19,570	
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Total, Phase III	\$19,889,579	
Total Expenses	\$24,123,468	
Total over/under budget	\$574,969	
Spui	\$2,000,000	
Midway Road	\$1,000,000	
Total funds remaining if needed	\$3,000,000	
*Dart Lap funds 2001-2003		

**LETTER OF
TRANSMITTAL**

Grantham & Associates, Inc.

To: TOWN OF ADDISON
PO Box 9010
ADDISON, TX 75001-9010
Attn: STEVE CHUTCHIAN

Date: 11/10/2003
G&A No.: 320
Project Name: ARAPAHO RD
PH.3

We are: Forwarding Returning to you the following:

- | | |
|---|--|
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Originals |
| <input type="checkbox"/> Specifications | <input type="checkbox"/> Reproducibles |
| <input type="checkbox"/> Product Data/Samples | <input type="checkbox"/> Prints |
| <input type="checkbox"/> Estimates | <input type="checkbox"/> Sketches |
| <input checked="" type="checkbox"/> Other _____ | |

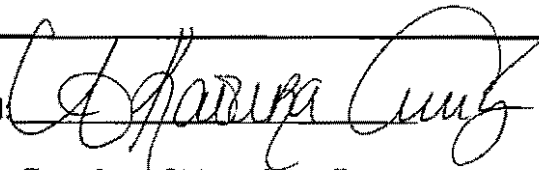
Regular Mail Overnight Delivery Courier/By Hand _____

List of Documents:

- ALL UTILITY COMP. CORRESPONDENCE
- UTIL COMP. CONTACTS
- EXHIBIT & LIST OF CONFLICTS

- | | | |
|---|---|---|
| <input type="checkbox"/> For Your Information | <input type="checkbox"/> For Your Approval | <input checked="" type="checkbox"/> As Per Your Request |
| <input type="checkbox"/> Revise and Resubmit | <input checked="" type="checkbox"/> For Coordination Purposes | <input type="checkbox"/> For Corrections |

Remarks:

Signed: 

Grantham & Associates, Inc.
1919 S. Shiloh Road
Suite 310, L.B. 8
Garland, Texas 75042
(972) 864-2333 Telephone
(972) 864-2334 Fax

Copies to: ANGELA WASHINGTON (ATTNY)
JERRY HOLDER



November 6, 2003

Angela K. Washington
Attorney at Law
Cowles & Thompson
901 Main Street, Suite 4000
Dallas, Texas 75202-3793

G&A No. 320

Re: Utility Relocations for Arapaho Phase 3 Extension

Dear Ms. Washington:

Pursuant to your request, we have enclosed the following items related to the franchise utility companies in the construction corridor of the above referenced project.

- A list of the current contacts and an Outlook printout of all the contact people since the inception of this project.
- Copies of all e-mail and letter correspondence.
- An exhibit showing the potential utility conflicts and relocations that have been identified to date, and a list of the same.

Please note that the locations of the existing franchise utilities shown on our exhibit have been determined through the following means:

- Plans furnished by the franchise utilities.
- Field locates provided through DIGTESS.
- Additional field locates, including pot holes, provided from the franchise utilities.

Our experience has been that the information obtained through these means may not reflect the exact locations of the franchise utility improvements that are underground. As a result, it is possible that additional conflicts may be discovered during the construction process.

On the attached exhibit we have separated the potential utility conflicts and relocations into the following two categories:

- Category 1 - Must be relocated to avoid proposed Arapaho Phase 3 improvements.
- Category 2 - May need to be relocated to avoid proposed Arapaho Phase 3 improvements. In most cases, we anticipate that the franchise utilities would want to relocate the utilities in this category to provide working room for future maintenance.

Angela K. Washington
November 6, 2003
Page 2

Please contact me or Katura Curry, P.E. at our office if you have any questions regarding this submittal.

Very truly yours,



Bruce Grantham, P.E.
Project Manager

Enclosures

Cc: Jerry Holder, P.E., HNTB
Steve Chutchian, P.E., Town of Addison

BG/gg

J:\WPDOCS\PROJECTS\02-320\Washington-Atty.ltr



Date: November 10, 2003 **G&A No. 320**
To: Angela Washington
From: Bruce Grantham
Re: Utility Conflicts and Relocations - Arapaho Road Phase 3

Notes:

- The franchise utility conflicts and relocations listed in this memo are shown on the attached Sheets 1 and 2. The paving stations and other location references are also shown on these sheets.
- It is understood that franchise utility services to the buildings shown to be demolished prior to the construction of Arapaho Road Phase 3 will need to be disconnected. However, it has not been determined what utilities serve these buildings at this time.
- All conflicts have been placed within one of two categories:
 - ▶ Category 1: Must be relocated to avoid proposed Arapaho Phase 3 improvements.
 - ▶ Category 2: May need to be relocated to avoid proposed Arapaho Phase 3 improvements. In most cases, we anticipate that the franchise utilities would want to relocate the utilities in this category to provide working room for future maintenance.
- *Oncor Conflicts:*
 - Sheet 1 of 2
 - ▶ Power Pole at proposed 8' x 6' box culvert just east of Surveyor (Category 1)
 - ▶ Crossing at station 37 + 80 (Category 1)
 - ▶ Crossing at station 45 + 40 (Category 1)
 - ▶ Crossing at station 47 + 40 (Category 1)
 - ▶ Crossing at station 50 + 40 (Category 1)
 - ▶ Crossing at station 51 + 60 (Category 1)
 - ▶ Crossing at station 55 + 20 (Category 1)
 - ▶ Crossing at Midway Road (west side) (Category 1)
 - ▶ Crossing at Midway Road (east side) (Category 1)
 - ▶ Power Pole at stations 61 + 70 and 62 + 40 (Category 1)
 - Sheet 2 of 2
 - ▶ Power pole at stations 63+10, 63+60, and 64+80 (Category 1)
 - ▶ Crossing at station 86 + 10 (Category 1)

- *TxU Gas Conflicts:*
Sheet 1 of 2
 - ▶ Crossing at Surveyor Boulevard (west side) at proposed box culvert (Category 2)
 - ▶ Crossing at Midway Road (west side) (Category 2)

- *SBC Conflicts:*
Sheet 1 of 2
 - ▶ Crossing at Surveyor Boulevard (west side) at proposed box culvert (Category 2)
 - ▶ Crossing at Surveyor Boulevard (east side) at proposed box culvert (Category 2)
 - ▶ Parallel conflict station 51 + 00 to west side of Midway Road (Category 1)
 - ▶ Crossing at Midway Road (west side) (Category 2)
 - ▶ Crossing at Midway Road (east side) (Category 2)

- *MCI*
Sheet 2 of 2
 - ▶ Parallel conflict station 76 + 60 to 85 + 80 (Category 2)

- *Qwest*
Sheet 2 of 2
 - ▶ Parallel conflict station 76 + 60 to 85 + 80 (Category 2)

**Arapaho Road Phase 3
Utility Contact Information**

Utility Name	Contact Name	Contact Title	Phone Number	Cell Phone	Notes
Comcast	Jorge Barrera	Construction Coord.	214.370.6242	214.869.7563	Attended Kick-off Meeting 05/13/03
Explorer Pipeline	Patrick Nwakoby		918.493.5172		Low possibility of conflict
MCI	Buddy Smith	OSP Department			Most contact has been through contractor.
Dynamic Technical (MCI Contractor)	Rocky Crockett			214.912.7295	Primary contact for MCI, all paperwork should go to Buddy Smith.
TXU Gas	Jackie Cooper	Gas Designer	972.699.2906		Provided by James Davis
Oncor Electric	James Davis	Project Management	214.875.2380	972.978.9916	
Qwest	Paul Gonzalez	Construction	1.303.837.3928		Denver, CO - "no work without agreement"
SBC Southwest	Toby Parker	Manager Engineering Design	972.234.7037		
Sprint	James Stuart	Senior Cable Project Engineer	214.496.2945		Low possibility of conflict

ARAPAHO ROAD PHASE 3 UTILITY CONTACTS

Comcast

Full Name: Josh Stewart
Job Title: Design Manager
Design Department
1565 Chenault Street
Dallas, TX 75228
Bus: (214) 320-7544
Bus Fax: (214) 320-7559

Comcast

Full Name: Jorge Barrera
Job Title: Construction Coordinator
934 E. Centerville Road
Garland, TX 75041
Bus: (214) 370-6242
Mobile: (214) 869-7563
Bus Fax: (972) 231-0226
E-mail: jorge_barrera@cable.comcast.com
Attended Kick off meeting 05/13/03 - new contact

Dynamic Technical/ MCI

Full Name: Rockwell Crockett
Bus: (214) 912-7295
E-mail: rrockett@dynamic-technical.com

Explorer Pipeline

Full Name: Mike Tucker
Job Title: Greenville Area Supervisor
2856 County Road 2168
Caddo Mills, TX 75135
Bus: (903) 527-1262
Bus Fax: (903) 527-1270
E-mail: mtucker@expl.com

Explorer Pipeline

Full Name: Patrick Nwakoby
6846 S. Canton Ave.
Suite 300
Tulsa, OK 74136
Bus: (918) 493-5172
E-mail: pnwakoby@expl.com

MCI

Full Name: Eddie Griffin
Investigations Dept.
2400 N Glenville Drive
Richardson, TX 75082
Bus: (972) 729-6210
Bus Fax: (972) 729-6240
Eddie is in the Investigations Department.

MCI

Full Name: Buddy Smith
Job Title: OSP Department
3rd Floor
2400 N. Glenville Dr.
Richardson, TX 75082
E-mail: buddy.smith@mci.com

ARAPAHO ROAD PHASE 3 UTILITY CONTACTS

Oncor (TXU) Gas

Full Name: Jim Phillips
Job Title: Project Management & Design Services
Distribution Division
301 S. Harwood
511 North
Dallas, TX 75201
Bus: (214) 875-2209
Mobile: (214) 532-1132
Bus Fax: (214) 875-2223
E-mail: jnp@oncorgroup.com
attended kick-off meeting 05/13/03, new contact for TXU Gas

Updated contact information based on e-mailed update from Jim on 07/08/2003

Oncor Electric

Full Name: James Davis
Job Title: Project Management & Design Services
Distribution Division
301 S. Harwood
6th Floor South Building
Dallas, TX 75201
Bus: (214) 875-2380
Mobile: (972) 978-9916
Pager: (972) 949-7059
Bus Fax: (214) 875-2382
E-mail: jdavis4@oncorgroup.com
attended kick-off meeting 05/13/03, new contact

Oncor Electric & Gas

Full Name: Larry Trojan
301 South Harwood Street
6 South
Dallas, TX 75201
Bus: (214) 875-2255

Oncor Electric & Gas

Full Name: Reeves Partain
Bus: (214) 875-2256
Pager: (972) 949-7064
Boss: Jeanne Hooker

Oncor Gas

Full Name: Jackie Cooper
Job Title: Gas Designer
Bus: (972) 699-2906

Qwest

Full Name: Kim Jordan
Job Title: Pre-Planning (Colorado)
Pre-Planning
555 17th Street
9th Floor
Denver, CO 80202
Bus: (303) 992-2469

ARAPAHO ROAD PHASE 3 UTILITY CONTACTS

Qwest

Full Name: Paul Gonzales
Job Title: Construction
1860 Lincoln St.
Suite 200
Denver, CO 80295
Bus: (303) 837-3928
Bus Fax: (928) 752-7810

Qwest

Full Name: Scott Whaley
12001 N. Central
Suite 1165

SBC Southwest

Full Name: Toby Parker
Job Title: Manager Engineering Design
275 N. Greenville Ave.
Floor 2
Richardson, TX 75081
Bus: (972) 234-7037
Pager: (972) 988-5865
Bus Fax: (972) 234-7057
E-mail: tp2597@sbc.com
attended kick-off meeting 05/13/03 - new contact

Southwestern Bell

Full Name: Peter Russell
Job Title: Manager Engineering & Design
3 SBC Plaza
Room 2124
Dallas, TX 75202
Bus: (214) 464-4095
Lance Long said the project is out of his area. This project will be handled by the Addison Wire Center and either Adam Leibig (972) 234-7923 or Cheryl Meyer (972)234-7097 will handle the project.

Cheryl Meyer said to send information to Peter Russell...

Southwestern Bell

Full Name: Adam Leibig
Addison Wire Center
Bus: (972) 234-7923

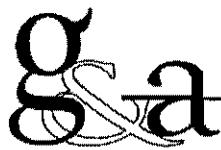
Southwestern Bell

Full Name: Cheryl Meyer
Addison Wire Center
Bus: (972) 234-7097

Sprint

Full Name: James B. Stuart
Job Title: Senior Cable Project Engineer
1616 Maryland Dr.
Irving, TX 75061
Bus: (214) 496-2945
Mobile: (214) 289-5105
Bus Fax: (214) 496-2946
E-mail: james.b.stuart@mail.sprint.com
James is the engineer over all of North Texas Sprint lines.
Very Helpful

Sprint "Before You Dig" Center (800)521-0579



Grantham & Associates, Inc.

MEETING NOTICE

1919 S. Shiloh Rd., Suite 310, LB 8, Garland, TX 75042

Date: May 5, 2003

G&A No. 320

To: All Utility Companies Concerned

From: Matt Kirk

Re: Arapaho Road Phase III Utility Coordination Meeting

To All Concerned,

A utility coordination meeting will be held at 10:00 a.m., May 13th, in the Conference Room of the HNTB office located at 5910 West Plano Parkway, Suite 200, Plano (see attached map).

It is requested that a representative of all companies involved in this project attend. Please bring information concerning the location of all existing utilities, if this information has not been previously provided. Detailed maps of the project will be distributed by Grantham & Associates, Inc.

For questions or concerns, please contact Matt Kirk, Grantham & Associates, Inc. at 972-864-2333.

Arapaho Road Phase 3 Utility Coordination Kick-Off Meeting

Meeting Location: HNTB Training Room

Meeting Time: May 13, 2003, 10 am

Purpose: To identify project design elements, introduce project personnel, and begin identifying and resolving conflicts between design elements and utility locations.

Meeting Agenda

- I. Introduction: HNTB
 - i Introduction of Design Team
 - ii Overview of Project
- II. Message from the Town: The Town of Addison
- III. Utility Coordination Issues: Grantham & Associates
 - i Project Exhibit
 - ii Project Elements
 - iii Known Conflicts
 - iv Project Design / Construction Schedule
 - v Regularly Scheduled Coordination Meetings
- IV. Question / Answer
- V. Adjourn

Project Design Team:

Mike Murphy, P.E.	City Engineer	Town of Addison
Steve Chutchian, P.E.	Assistant City Engineer	Town of Addison
Jim Pierce, P.E.	Public Works Director	Town of Addison
Luke Jalbert	Project Manager	Town of Addison
Jerry Holder, P.E.	Project Manager	HNTB (Roadway)
Elizabeth Metting, P.E.	Project Manager	HNTB (Roadway)
Jenny Nicewander, P.E.	Project Engineer	HNTB (Roadway)
Rob Kouba, P.E.	Project Engineer	HNTB (Roadway)
Bruce Grantham, P.E.	Project Manager	Grantham & Associates (Utilities)
Katura Curry, P.E.	Project Engineer	Grantham & Associates (Utilities)
Matt Kirk	Utility Coordinator	Grantham & Associates (Utilities)
Cliff Hall, P.E.	Project Manager	URS (Bridge)
Jack Hatchell	Project Manager	Jack Hatchell & Associates (Traffic Signalization)



Date: July 15, 2003 G&A No. 0320-02
To: All Affected Utility Companies
From: Katura Curry
Re: Arapaho Road Phase Utility Coordination *Copies* ii

Meeting Date: Wednesday, July 15, 2003
Meeting Time: 10 a.m.
Meeting Place: HNTB Training Room
5910 W. Plano Pkwy, Suite 200
Plano, Texas 75093
General Telephone (972) 661-5626

Enclosed with this meeting notice is an updated plan view of the project along with a profile of the project. The following information details the included profile.

The profile *does* include:

- The proposed top of the roadway
- The proposed storm sewer system
- The proposed sanitary sewer pipe

The profile *does not* include:

- The proposed overhead bridge arch at Midway Road

If information concerning the arch at Midway is needed, please let me know and the information will be forwarded to you.

Please come to the meeting prepared with the following:

- Addition, deletion or correction of utility information shown on the plans
- Utility relocation plans
- Schedule of utility relocations

It is still anticipated that construction on this project will begin in Late Winter / Early Spring, 2004. This project remains a top priority with the Town; therefore, the relocation of the utilities is a vital step in making this project a success. Thank you in advance for your efforts in helping us achieve this. Please let me know if for some reason you or a company representative will not be able to make this meeting.

Arapaho Road Phase 3 Utility Coordination Meeting # 2

Meeting Location: HNTB Training Room

Meeting Time: July 23, 2003, 10 am

Purpose: To continue open communication between the engineering design team and the utility companies in order to have a successful project.

Meeting Agenda

- I. Detailed run through of 65% Project
 - i Storm Sewer Element
 - ii Sanitary Sewer Element
 - iii Roadway / Sidewalk
 - iv Bridge - 65% Design complete in October
 - v Lighting / Irrigation

- II. Noted Corrections, Additions, Deletions of Utility Information

- III. City Requirements for Utility Relocations

- IV. Proposed Relocation Schedules
 - i Utility Relocation plans complete by September
 - ii Relocation of Utilities complete by end of year
 - iii Late Winter / Early Spring Start Construction

- V. Utility Companies Needs from Engineer / Town?
 - i Half-size Plans?
 - ii Agreements?

- VI. Question / Answer

- VII. Adjourn

TRANSMISSION VERIFICATION REPORT

TIME : 04/21/2003 11:01
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME 04/21 11:00
FAX NO./NAME 19035271270
DURATION 00:01:03
PAGE(S) 03
RESULT OK
MODE STANDARD
ECM

Facsimile Transmittal

Date: 4/18/03
Fax To: MIKE TUCKER
Of: EXPLORER PIPELINE
Fax#: (903) 527-1270
Ref: ARAPAHO RD 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel. (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

of Pages (including this sheet): 3

Fax From: KATURA CURRY

Comments:



April 18, 2003

Mr. Mike Tucker
Explorer Pipeline
2856 County Road 2168
Caddo Mills, TX 75135

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Mr. Tucker:


We are currently working with the Town of Addison on the design and construction of Arapaho Road Phase 3, an extension of Arapaho Road from its intersection with Surveyor Boulevard to its intersection with Addison Road. As the enclosed location map shows, Phase 3 will be located on the south side of the DART right-of-way with a bridge crossing of the existing Midway Road. The overall project is approximately 1 mile in length and will include the following elements: major drainage improvements, sanitary sewer improvements, roadway and bridge improvements.

A ground survey of the project limits has been performed. Based on information gathered during this survey and a DIGTESS locate at the major roadway intersections, we believe your utility lines may be in conflict with the proposed Phase 3 of Arapaho Road. With this letter we would like to begin coordinating the location of your utility lines (both above and below ground utilities). Please provide us with information, such as record drawings, concerning the location of your utility lines.

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Sincerely,



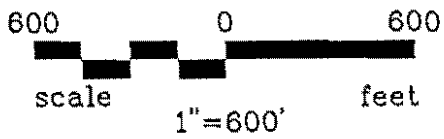
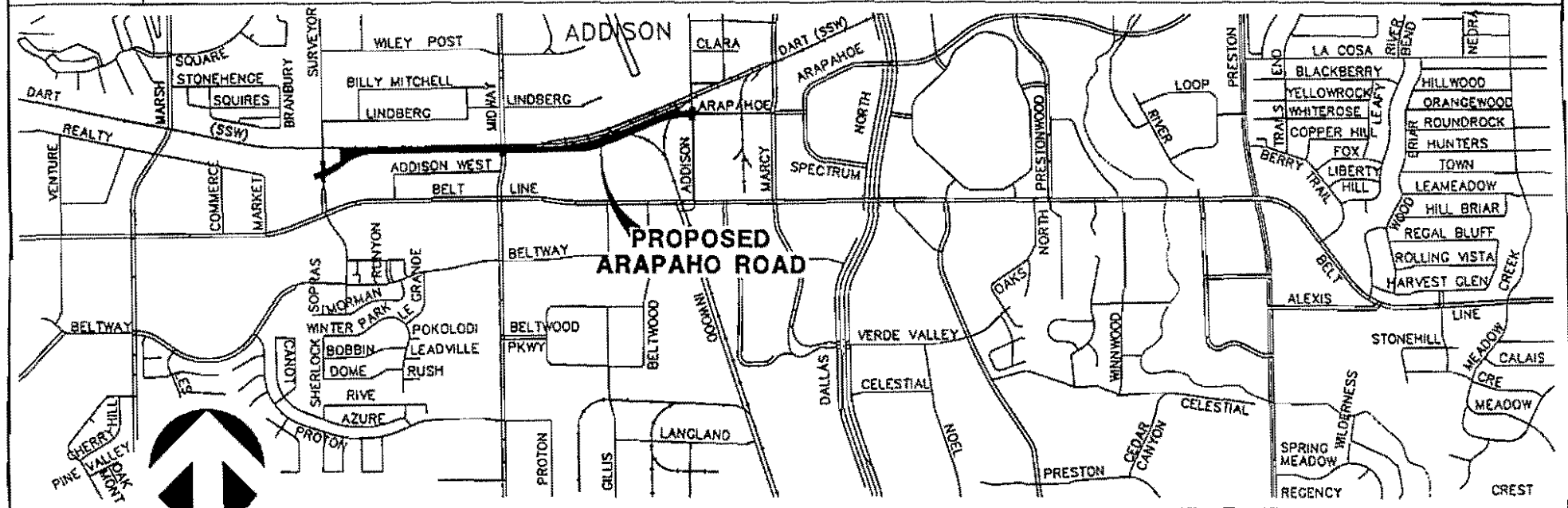
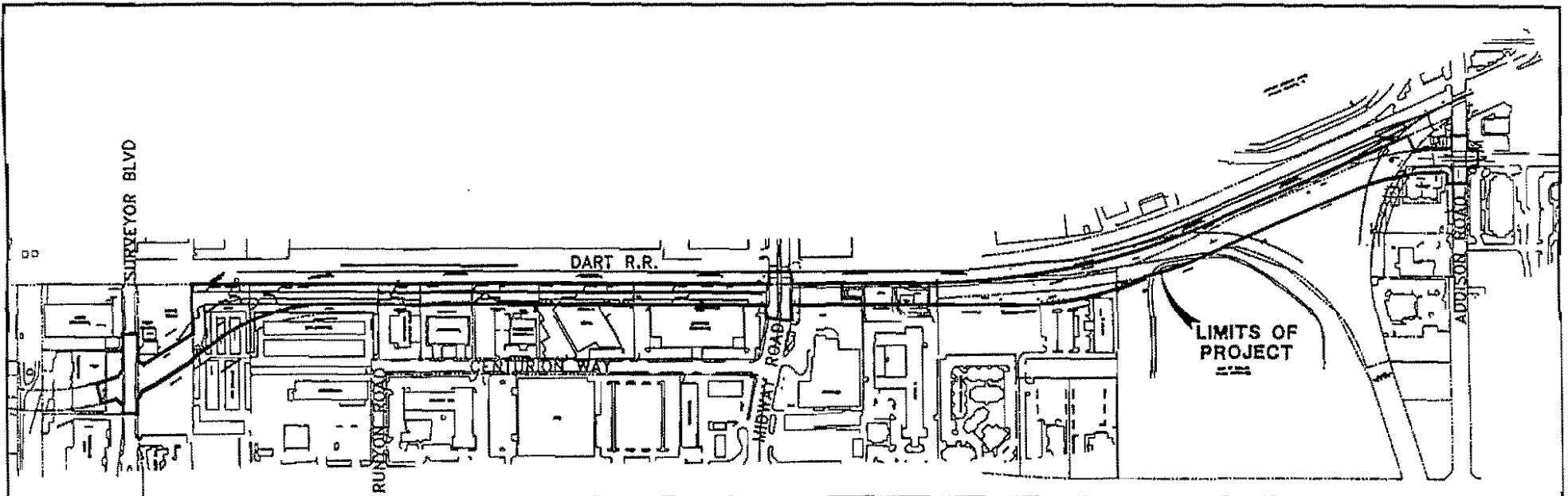
A. Katya Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

AKC/gg

E:\WPDOCS\PROJECTS\02-320\Util Coord\Util403.exp



320TOPO.DWG

**SURVEYOR TO ADDISON RD.
PROPOSED
ARAPAHO ROAD PHASE 3**

TOWN OF ADDISON
EXHIBIT 'A'

Arapaho Road Phase 3
Utility Coordination Kick-Off Meeting

Utility Information Sheet

Name ROCKWELL (ROCKY) CROCKETT ²¹⁴⁻⁹¹²⁻⁷²⁹⁵

Company REPRESENTING "MCI"

Address PLEASE USE THE ADDRESS BELOW

Phone _____ Fax _____

E-mail RCROCKETT@DYNAMIC-TECHNICAL.COM


NOTE: ALL LOWER CASE

Will you be the primary contact for this project? YES OR _____

~~IF No, who should we contact:~~ ALSO BUDDY SMITH@ 972-729-5845

E-MAIL = BUDDY.SMITH@MCI.COM

MCI
OSP DEPT.
3RD FLOOR
2400 N. GLENVILLE DR.
RICHARDSON, TX 75082

Attn:
Buddy Smith


May 13, 2003

Mr. Eddie Griffin
MCI Corporation
Investigations Department
2400 N. Glenville Drive
Richardson, Texas 75082

RE: Utility Location Coordination Meeting
Arapaho Road Extension Phase 3

G&A No. 0320-02

Dear Mr. Griffin:

Enclosed is the information that was distributed at the utility coordination meeting for said project which was held today. Please mark-up the enclosed plans to show the location of any existing MCI lines within the project area and return them to me along with copies of any MCI As-Built plans. The information you provide will be used in the design of the project.

The next coordination meeting is tentatively scheduled for July 8th at 10:00 AM. At this meeting I am hoping to know exactly where all existing utility lines are located and have them accurately shown on the plans.

It is the expectation of the Town of Addison to begin building demolition this summer, have all utilities re-located by the fall, and to begin construction of the new roadway by early 2004.

Thank you in advance for your timely consideration to this matter.

Sincerely,

Matt Kirk
Project Assistant, Survey Department

Enclosure

MK/jf

TRANSMISSION VERIFICATION REPORT

TIME : 04/21/2003 10:59
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME
FAX NO. /NAME
DURATION
PAGE(S)
RESULT
MODE

04/21 10:58
9727296240
00:01:03
03
OK
STANDARD
ECM

Facsimile Transmittal

Date: 4/18/03

Fax To: EDDIE GRIFFIN

Of: MCI

Fax# (972) 729-6240

Ref: ARAPAHO 3

of Pages (including this sheet): 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel. (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

Fax From: KATURA CURRY

Comments:



April 18, 2003

Mr. Eddie Griffin
Investigations Department
MCI
2400 N. Glenville Drive
Richardson, TX 75082

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Mr. Griffin:

We are currently working with the Town of Addison on the design and construction of Arapaho Road Phase 3, an extension of Arapaho Road from its intersection with Surveyor Boulevard to its intersection with Addison Road. As the enclosed location map shows, Phase 3 will be located on the south side of the DART right-of-way with a bridge crossing of the existing Midway Road. The overall project is approximately 1 mile in length and will include the following elements: major drainage improvements, sanitary sewer improvements, roadway and bridge improvements.

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Sincerely,

A. Katura Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

E:\WPDOCS\PROJECTS\02-320\Util Coord\Util403.mci



Oncor
Distribution Division
301 S. Harwood
Suite 6S
Dallas, TX 75201

May 2, 2003

Ms. A. Katura Curry, P.E.
Grantham & Associates, Inc.
1919 S. Shiloh Road, Suite 310, L.B. 8
Garland, TX. 75042

Dear Ms. Curry:

Re: Utility Coordination for Arapaho Road Phase 3 in Addison, TX.

I have enclosed copies of the locations of Oncor's Electric and Gas distribution facilities in the area of the Arapaho Road extension in Addison as per your request.

If you have any questions concerning the location of the electric distribution facilities please give me a call at 214-875-2255. Questions concerning the gas distribution facilities should be directed to Mr. Kyle Bowman at 214-875-2247.

Sincerely,

A handwritten signature in black ink that reads "Larry Trojan". The signature is written in a cursive style with a large, prominent "L" and "T".

Larry Trojan
PMDS Project Manager, Lead
Oncor
Enclosures (7)

214-875-2382 FAX

TRANSMISSION VERIFICATION REPORT

TIME : 04/21/2003 11:03
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME
FAX NO. /NAME
DURATION
PAGE(S)
RESULT
MODE

04/21 11:02
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00:01:05
03
OK
STANDARD
ECM

Facsimile Transmittal

Date: 4/18/03

Fax To: LARRY TROJAN

Of: ONCOR

Fax# (214) 875-2382

Ref: ARAPAHO RD 3

of Pages (including this sheet): 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

Fax From: KATURA WERRY

Comments:



April 18, 2003

Mr. Larry Trojan
Oncor Electric & Gas
310 S. Harwood Street
6 South
Dallas, TX 75201

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Mr. Trojan:

We are currently working with the Town of Addison on the design and construction of Arapaho Road Phase 3, an extension of Arapaho Road from its intersection with Surveyor Boulevard to its intersection with Addison Road. As the enclosed location map shows, Phase 3 will be located on the south side of the DART right-of-way with a bridge crossing of the existing Midway Road. The overall project is approximately 1 mile in length and will include the following elements: major drainage improvements, sanitary sewer improvements, roadway and bridge improvements.

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Please review this information and contact me so that we may begin this coordination effort. Thank you in advance for your prompt attention to this matter. I look forward to hearing from you and receiving information concerning the location of your existing utility lines within this area.

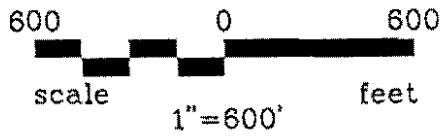
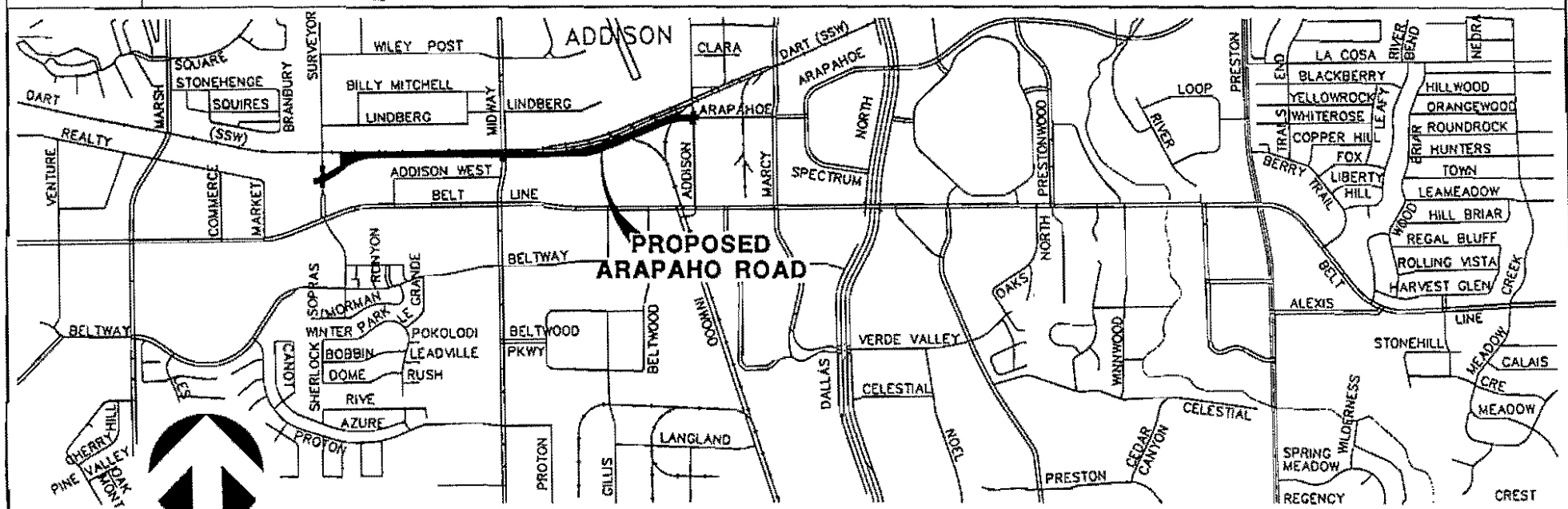
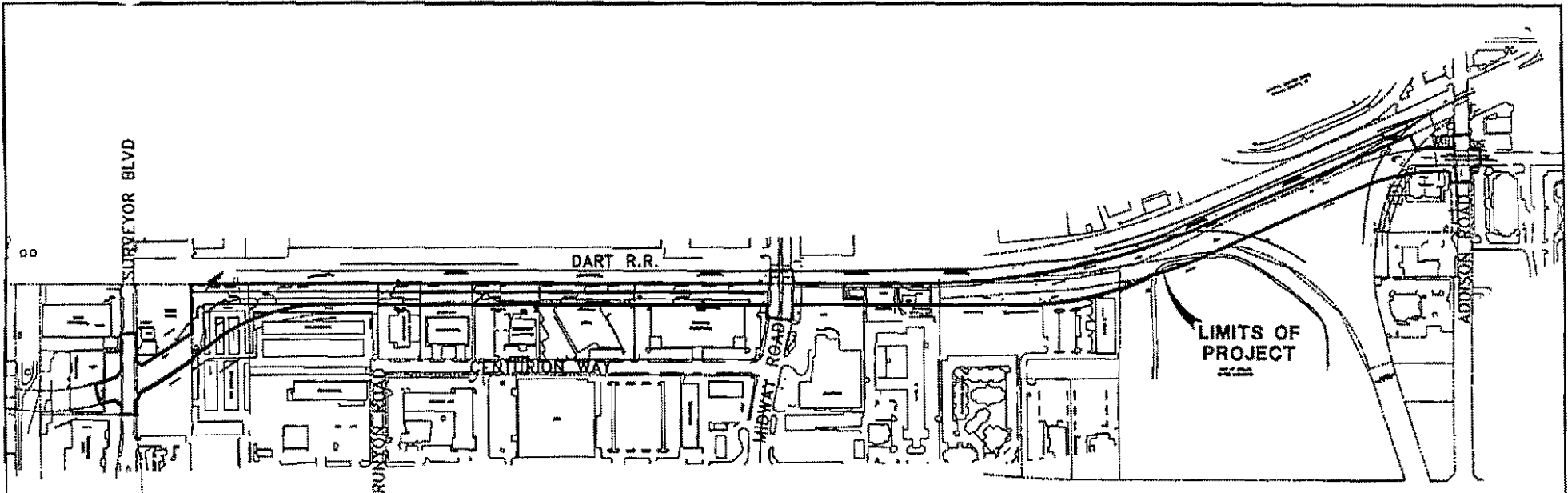
Sincerely,

A. Katura-Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

E:\WPDOCS\PROJECTS\02-320\Util Coord\Util403.txt



320TOPO.DWG

**SURVEYOR TO ADDISON RD.
PROPOSED
ARAPAHO ROAD PHASE 3**

**TOWN OF ADDISON
EXHIBIT 'A'**

Arapaho Road Phase 3
Utility Coordination Kick-Off Meeting

Utility Information Sheet

Name RICK MARSHALL

Company QWEST

Address 12001 N. CENTRAL # 1165
Dallas 75243

Phone 972 720-2989 Fax 972-720-2912

E-mail _____

Will you be the primary contact for this project? NO

If No, who should we contact: SCOTT WHALEY

Paul Gonzales
1860 Lincoln St.
Suite 200
Denver, CO 80295

DATE:

TO: A. KATURA CURRY

COMPANY: GRANTHAM & ASSOCIATES

FAX: (972)864-2334

RE: ARAPAHO RD PHASE III

QWEST TICKET REFERENCE #: QWEST2003042100002

THIS IS TO INFORM YOU THAT THE FIBER PROTECTION CENTER HAS RECEIVED YOUR REQUEST AND A TICKET HAS BEEN CREATED INTO OUR SYSTEM. FIBER PROTECTION CENTER IS NOT LIABLE FOR CLEARING OF PREPLANNING TICKETS. PREPLANNING IS FORWARDED TO QWEST CONSTRUCTION FOR FINAL REVIEW AND TO PROVIDE REQUESTED INFORMATION. BELOW ARE A FEW CONTACTS FOR THE CONSTRUCTION DEPARTMENT SHOULD YOU HAVE ANY FURTHER QUESTIONS OR CONCERNS.

GEORGE MCELVAIN
PAUL GONZALES
FAX

(303) 837-3926
(303) 837-~~2928~~? DR. Robert W. H.?
(303) 837-3999

3928
fax (928) 752-7810

THANK YOU,
FIBER PROTECTION CENTER
(800) 283-4237
(303) 992-1729 - FAX

04/23/03
Spoke w/ Paul concerning
Qwest sequence. He doesn't
have our info yet. But he
will review it & send it
out to someone in Texas if
necessary.

TRANSMISSION VERIFICATION REPORT

TIME : 04/21/2003 10:58
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME
FAX NO. /NAME
DURATION
PAGE(S)
RESULT
MODE

04/21 10:56
13039921729
00:01:03
03
OK
STANDARD
ECM

Facsimile Transmittal

Date: 4/18/03
Fax To: KIM JORDAN
Of: Q WEST
Fax# 1(303)992-1729
Ref: ARAPAHO 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.E. 8
Garland, Texas 75042
Tel (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

of Pages (including this sheet): 3

Fax From: KATURA CERRY

Comments:



April 18, 2003

Ms. Kim Jordan
Qwest
555 17th Street
9th Floor
Denver, CO 80202

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Ms. Jordan:

We are currently working with the Town of Addison, Texas on the design and construction of Arapaho Road Phase 3, an extension of Arapaho Road from its intersection with Surveyor Boulevard to its intersection with Addison Road. As the enclosed location map shows, Phase 3 will be located on the south side of the DART right-of-way with a bridge crossing of the existing Midway Road. The overall project is approximately 1 mile in length and will include the following elements: major drainage improvements, sanitary sewer improvements, roadway and bridge improvements.

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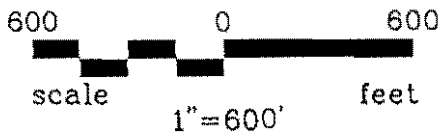
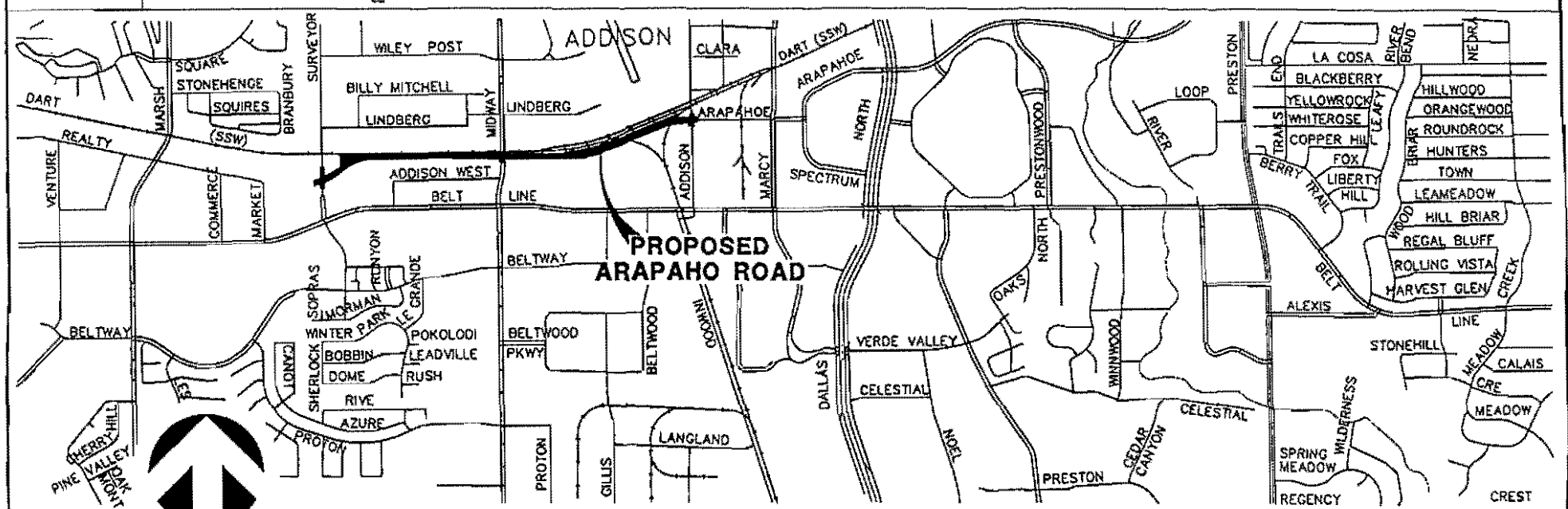
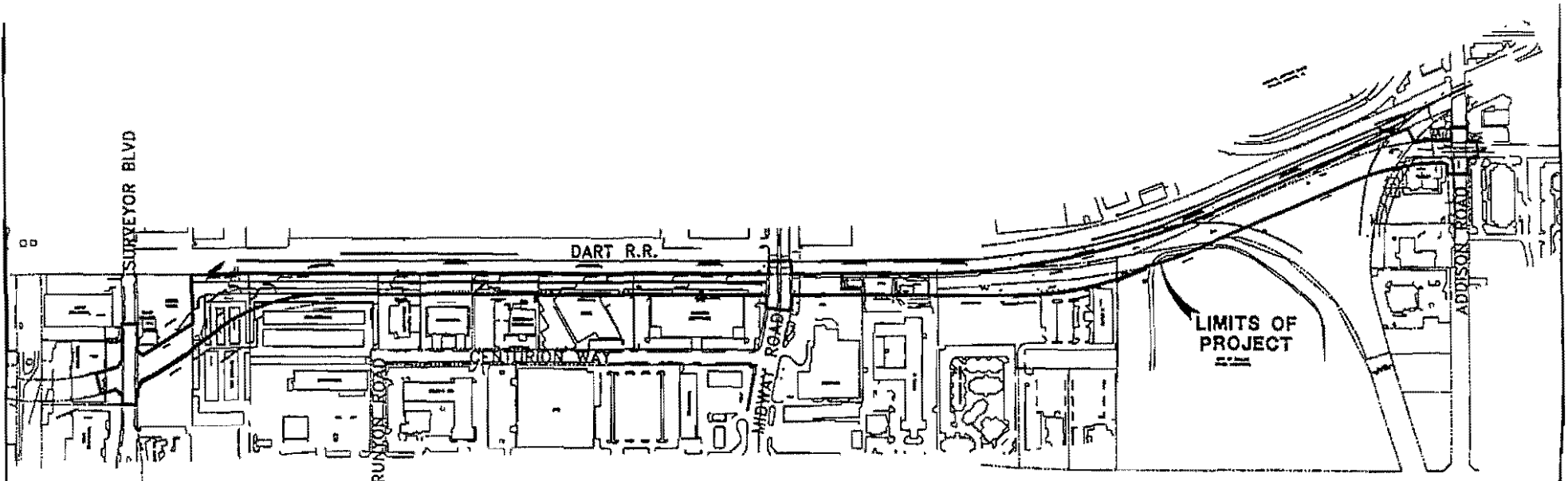
Sincerely,

A. Katura Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

E:\WPDOCS\PROJECTS\02-320\Util Coord\Util403.qwc



320TOPC.DWG

**SURVEYOR TO ADDISON RD.
PROPOSED
ARAPAHOE ROAD PHASE 3**

TOWN OF ADDISON
EXHIBIT 'A'

Arapaho Road Phase 3
Utility Coordination Kick-Off Meeting

Utility Information Sheet

Name Toby PARKER

Company SBC

Address 275 N. Greenville

Phone 972-234-7037 Fax _____

E-mail tp2597@sbc.com

Will you be the primary contact for this project? Yes

If No, who should we contact: _____

TRANSMISSION VERIFICATION REPORT

TIME : 04/21/2003 10:56
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME
FAX NO./NAME
DURATION
PAGE(S)
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04/21 10:55
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03
OK
STANDARD
ECM

Facsimile Transmittal

Date: - 4/18/03

Fax To: PETER RUSSELL

Of: SBC

Fax# (214)464-⁸⁹⁸⁹~~4095~~

Ref: ARAPAHO RD 3

of Pages (including this sheet): 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel. (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

Fax From: KATURA CURRY

Comments:



April 18, 2003

Mr. Peter Russell
SBC
3 SBC Plaza
Room 2124
Dallas, TX 75202

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

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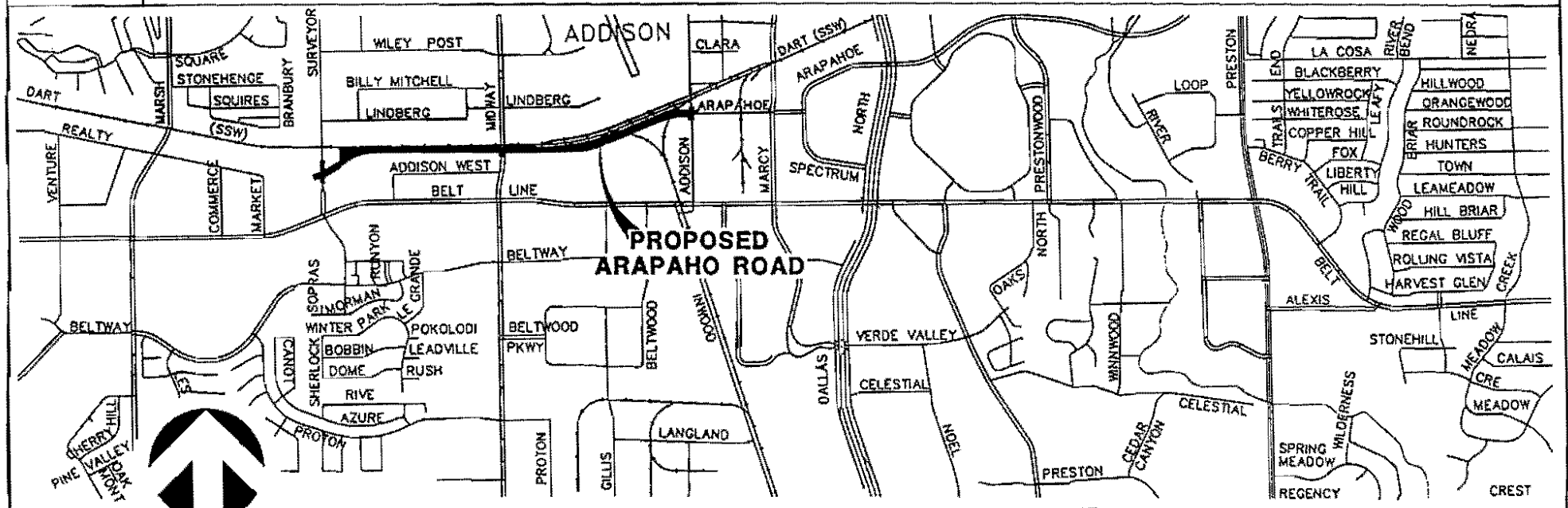
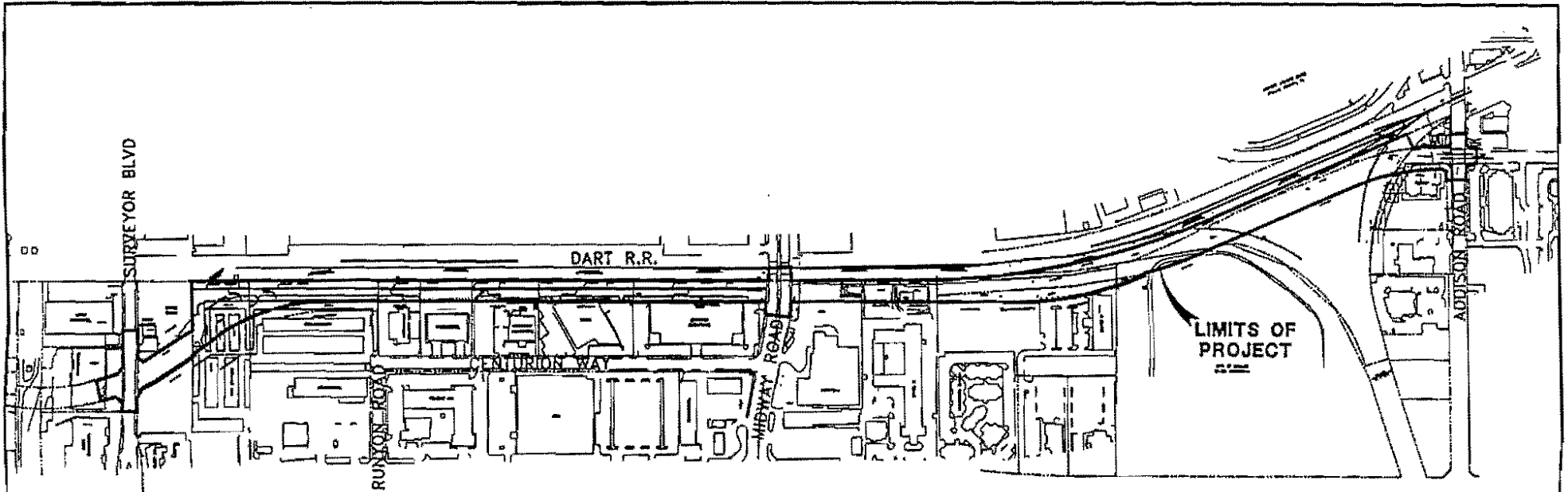


A. Katura Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

E:\WPDOCS\PROJECTS\02-320\Util Coord\Util403.sbc



320TOPO.DWG

SURVEYOR TO ADDISON RD.

PROPOSED

ARAPAHOE ROAD PHASE 3

TOWN OF ADDISON

EXHIBIT 'A'

CIVIL PROJECT RESPONSE LETTER

2/19/2003

Company: GRANTHAM & ASSOCIATES, INC.
Attention: KATURA CURRY
Project: ARAPAHO RD 3

Log #03042100
Wire Center: 239-N
SBC Engineer: TOBY PARKER

Peter J
Russell
MANAGER 
Utility Coordination
3 SBC Plaza, Rm. 2124
Dallas, TX 75202
(214) 464-4095

SBC ENGINEER: PLEASE COMPLETE FORM AND RETURN WITHIN 10 DAYS

Regardless of the selections made below, it is the Property Owner's or Contractor's Responsibility to call one call, 1-800-344-8377 to have all utilities located.

We have no facilities within the limits of construction.

We have aerial buried conduit facilities that appear to be clear.

We have aerial buried conduit facilities in conflict.
(Please contact our engineer to coordinate any necessary relocation)

We are sending you plans showing SBC'S existing facilities.

We are returning your prints with the approximate location of SBC facilities marked in red.

Please show SBC facilities in the profile where there may be a conflict,
Can't begin to figure relocation w/o more detailed plans.

Utility Adjustments and/ or relocations appear to be required for this project, but payment for the adjustments and/or relocations must first be received. SBC will begin the required work for the adjustments and/or relocations upon receipt of payment of the anticipated costs or the execution of an agreement regarding payment.

Friday, April 25, 2003

Ms. Curry,

*A copy of this response
was sent to Steve
Chutchian, from Town of
Addison*

*Thank you,
Mary Battalini
214-464-3195*

Facsimile Transmittal

Date: 4/18/03

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel. (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

Fax To: PETER RUSSELL

Of: SBC

Fax# (214) 464-~~4095~~⁸⁹⁸⁹

Ref: ARAPAHO RD 3

of Pages (including this sheet): 3

Fax From: KATURA CURRY

Comments:

RECEIVED
APR 21 2003
SWET UTILITY
COORDINATOR

CITY: Addison
MAPSCO: 14 B
WIRE CENTER: 239 RT 1 N
ENGINEER: Toby Parker

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original message to us at the above address via the U.S. Postal Service. Thank you.

**Grantham & Associates, Inc.**

April 18, 2003

Mr. Peter Russell
SBC
3 SBC Plaza
Room 2124
Dallas, TX 75202

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Mr. Russell:

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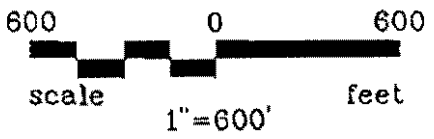
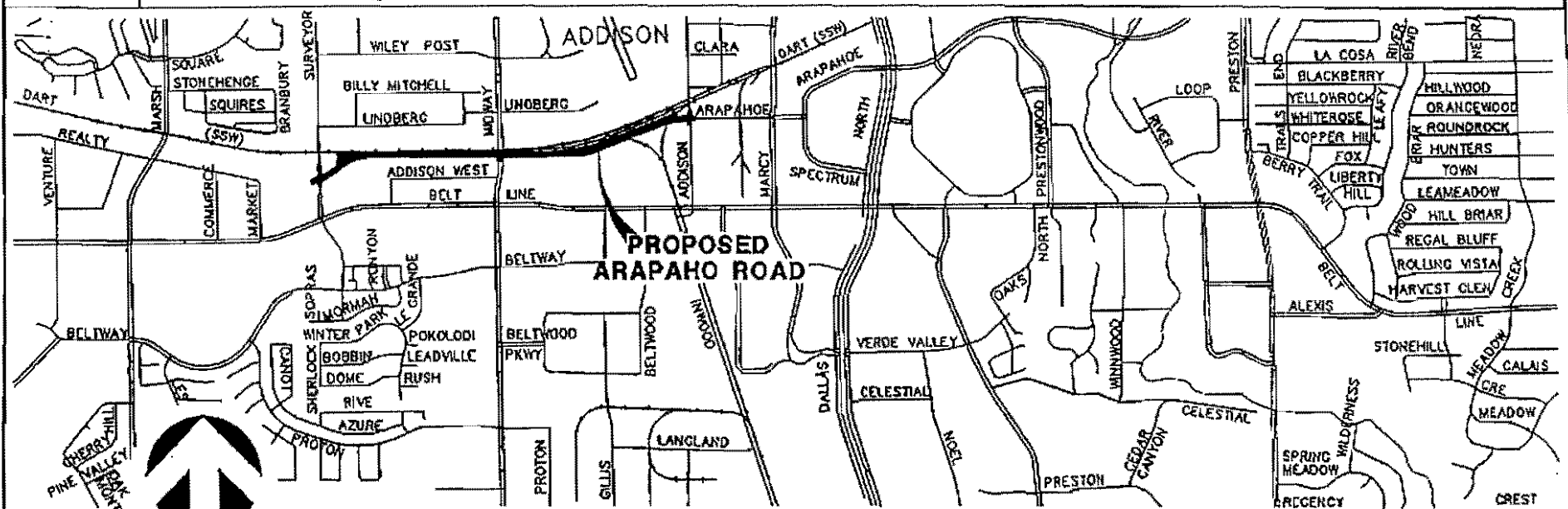
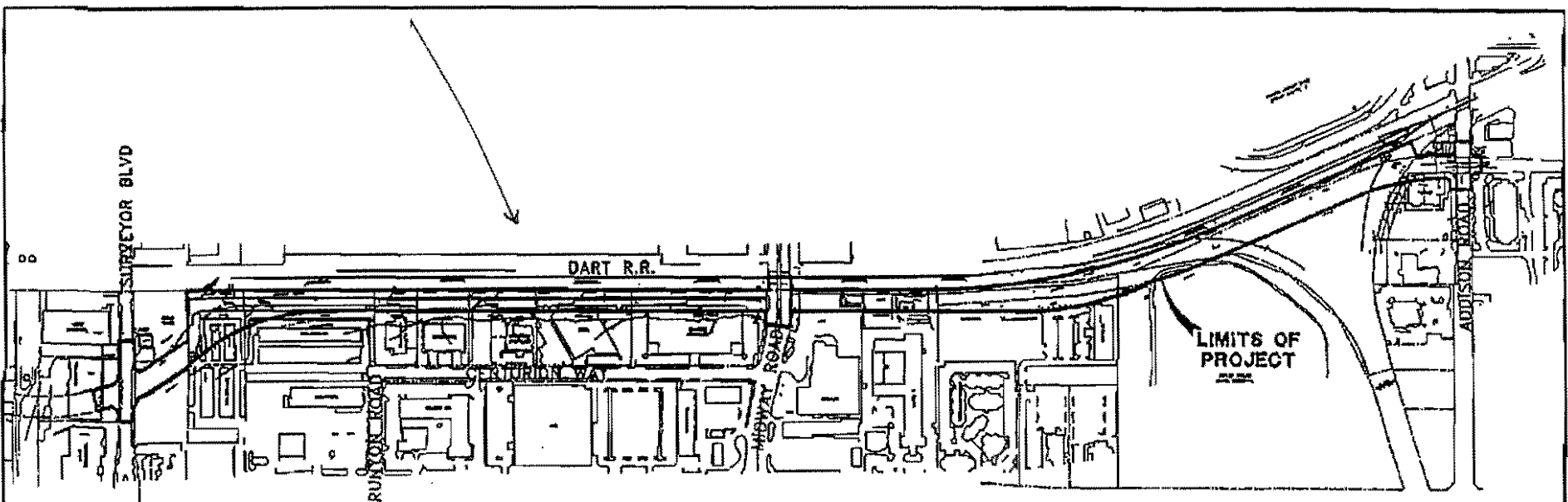
Sincerely,

A. Katura Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

BAWPDOCS\PROJECTS\02-320\Util Coord\Util403.sbc



220TOP0.DWG

**SURVEYOR TO ADDISON RD.
PROPOSED
ARAPAHO ROAD PHASE 3**

TOWN OF ADDISON
EXHIBIT 'A'

Arapaho Road Phase 3
Utility Coordination Kick-Off Meeting

Utility Information Sheet

Name JAMES STUART

Company SPRINT

Address 1616 MARYLANA DRIVE

IRVING TX 75061

Phone 214-496-2945 Fax 214-496-2946

E-mail JAMES.B.STUART@MAIL.SPRINT.COM

Will you be the primary contact for this project? YES

If No, who should we contact: _____

TRANSMISSION VERIFICATION REPORT

TIME : 04/21/2003 10:51
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME
FAX NO. /NAME
DURATION
PAGE(S)
RESULT
MODE

04/21 10:51
2144962945
00:00:00
00
BUSY
STANDARD

BUSY: BUSY/NO RESPONSE

Facsimile Transmittal

Date: 4/18/03

Fax To: JAMES STUART

Of: SPRINT

Fax# (214)496-2945

Ref: ARAPAHO RD 3

of Pages (including this sheet): 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel. (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

Fax From: KATURA CURRY

Comments:



April 18, 2003

Mr. James Stuart
Sprint
1616 Maryland Drive
Irving, TX 75061

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Mr. Trojan:

We are currently working with the Town of Addison on the design and construction of Arapaho Road Phase 3, an extension of Arapaho Road from its intersection with Surveyor Boulevard to its intersection with Addison Road. As the enclosed location map shows, Phase 3 will be located on the south side of the DART right-of-way with a bridge crossing of the existing Midway Road. The overall project is approximately 1 mile in length and will include the following elements: major drainage improvements, sanitary sewer improvements, roadway and bridge improvements.

A ground survey of the project limits has been performed. Based on information gathered during this survey and a DIGTESS locate at the major roadway intersections, we do not feel your utility lines will be in conflict with the proposed Phase 3 of Arapaho Road. Please confirm this information. If you feel there may be a conflict, please provide us with information, such as record drawings, concerning the location of your utility lines.

This project is of utmost importance to the Town of Addison, therefore, the design and construction are being performed on a tight time schedule. We anticipate the design phase of this project being complete by the end of this year and construction of the improvements to begin by Spring 2004. Therefore, we will be having a Utility Coordination Kick-Off meeting in early May with all affected utility companies. You will be notified of the date at a later time. If you feel your lines are in conflict, please plan to attend or send the appropriate personnel as pertinent plan information will be handed out.

Please review this information and contact me so that we may confirm that your utility lines are not in conflict with this project. Thank you in advance for your prompt attention to this matter. I look forward to hearing from you and receiving information concerning the location of your existing utility lines within this area.

Sincerely,

A. Katara Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

E:\WPDOCS\PROJECTS\02-320\Util Coord\Util403.spr

Arapaho Road Phase 3
Utility Coordination Kick-Off Meeting

Utility Information Sheet

Name JORGE BARRERA

Company COMCAST

Address 934 E. CENTERVILLE RD. GARLAND TX 75041

Phone 214-370-6242 OFF. Fax 214-869-7563 CELL

E-mail jorge-barrera@cable.comcast.com

Will you be the primary contact for this project? YES

If No, who should we contact: _____

TRANSMISSION VERIFICATION REPORT

TIME : 04/23/2003 15:56
NAME : KARI
FAX : 9728402156
TEL : 9728401916

DATE, TIME	04/23 15:54
FAX NO./NAME	2143207559
DURATION	00:01:04
PAGE(S)	03
RESULT	OK
MODE	STANDARD ECM

Facsimile Transmittal

Date: 4/23/03

Fax To: JOSH STEWART

Of: COMCAST

Fax# (214)320-7559

Ref: ARAPAHO RD PH 3.

of Pages (including this sheet): 3

From: **Grantham & Associates, Inc.**
1919 S. Shiloh Rd.
Suite 310, L.B. 8
Garland, Texas 75042
Tel. (972) 864-2333
Fax (972) 864-2334
Email: Info@grace.net

Fax From: KATYRA CURRY

Comments:



April 23, 2003

Mr. Josh Stewart
Design Department
Comcast
1565 Chenault Street
Dallas, TX 75228

G&A No. 02-320

Re: Utility Coordination for Arapaho Road Phase 3
in Addison, Texas

Dear Mr. Stewart:

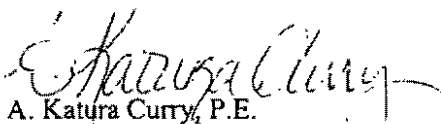
We are currently working with the Town of Addison on the design and construction of Arapaho Road Phase 3, an extension of Arapaho Road from its intersection with Surveyor Boulevard to its intersection with Addison Road. As the enclosed location map shows, Phase 3 will be located on the south side of the DART right-of-way with a bridge crossing of the existing Midway Road. The overall project is approximately 1 mile in length and will include the following elements: major drainage improvements, sanitary sewer improvements, roadway and bridge improvements.

A ground survey of the project limits has been performed. Based on information gathered during this survey and a DIGTESS locate at the major roadway intersections, we believe your utility lines may be in conflict with the proposed Phase 3 of Arapaho Road. With this letter we would like to begin coordinating the location of your utility lines (both above and below ground utilities). Please provide us with information, such as record drawings, concerning the location of your utility lines.

This project is of utmost importance to the Town of Addison, therefore, the design and construction are being performed on a tight time schedule. We anticipate the design phase of this project being complete by the end of this year and construction of the improvements to begin by Spring 2004. Therefore, we will be having a Utility Coordination Kick-Off meeting in early May with all affected utility companies. You will be notified of the date at a later time. Please plan to attend or send the appropriate personnel as pertinent plan information will be handed out.

Please review this information and contact me so that we may begin this coordination effort. Thank you in advance for your prompt attention to this matter. I look forward to hearing from you and receiving information concerning the location of your existing utility lines within this area.

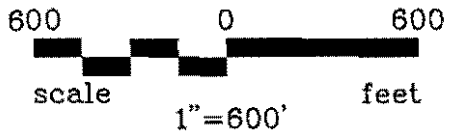
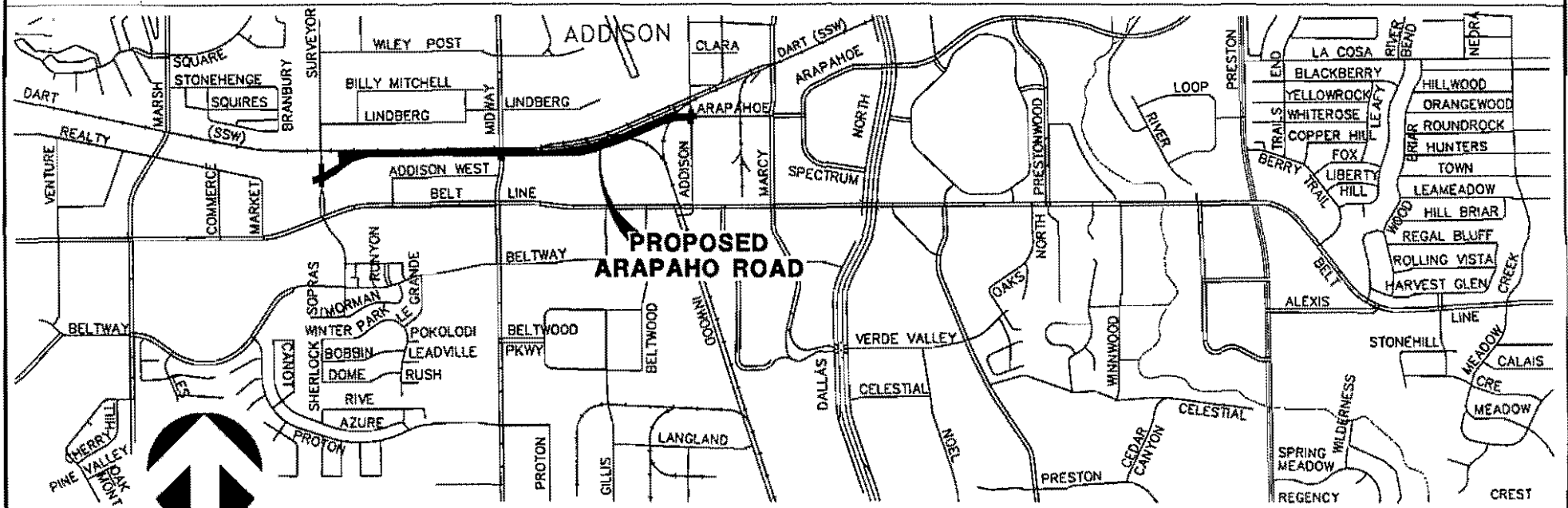
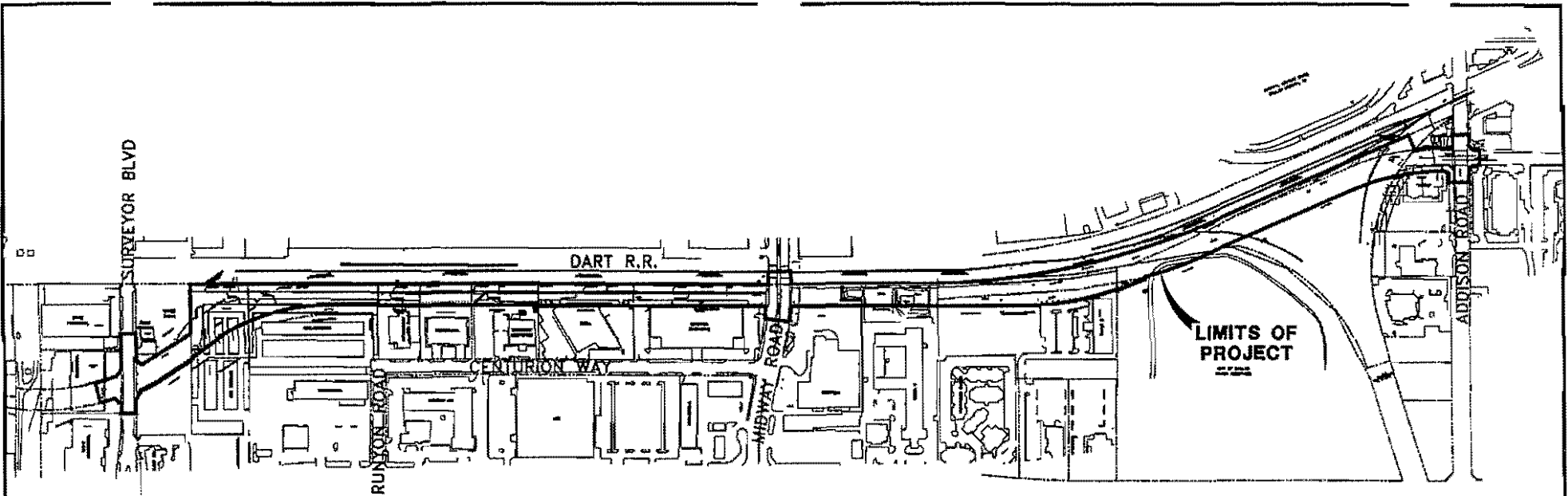
Sincerely,


A. Katura Curry, P.E.
Project Engineer

Attachment

cc: Jerry Holder, HNTB
Steve Chutchian, Town of Addison

J:\AWPDOCS\PROJECTS\02-320\Util Coord\Util403.com



320TOPO.DWG

**SURVEYOR TO ADDISON RD.
PROPOSED
ARAPAHO ROAD PHASE 3**

TOWN OF ADDISON
EXHIBIT 'A'

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Monday, April 14, 2003 1:46 PM
To: kramer.al@broadband.att.com
Subject: Utility Coordination in the Town of Addison

Al,

We are working with the Town of Addison on designing a new section of Arapaho Road (Phase 3). We are kicking off the utility coordination issues for the project by sending out letters with an overview of the project. The phone number I have for you is incorrect and I would like to update my contact information. Are you the person with AT&T tha I should be contacting to kick this project off? If not, can you provide me with the information? If you are the correct contact, could you please send me updated contact information.

I would appreciate any information you can provide.

Thank you,
Katura Curry, P.E.

Grantham & Associates, Inc.
1919 S. Shiloh Road
Suite 310, LB 8
Garland, TX 75042
Tel (972) 864-2333
Fax (972) 864-2334
e-mail: kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Monday, September 29, 2003 8:46 AM
To: Luke Jalbert
Subject: Arapaho Road Utility Contacts



Jorge Barrera.vcf



Patrick Nwakoby.vcf



Buddy Smith.vcf



James Davis.vcf



Jackie Cooper.vcf



Paul Gonzales.vcf



Toby Parker.vcf



James B Stuart.vcf



Rockwell Crockett.vcf

Luke,

I have attached vcard's to this message with the utility contact information. Here is a list of the contacts and their respective companies.

Jorge Barrera - Comcast
Patrick Nwakoby - Explorer Pipeline (probably not in conflict)
Buddy Smith - MCI / Rocky Crockett - MCI Contractor
James Davis - TXU Electric
Jackie Cooper - TXU Gas Designer
Paul Gonzalez - Qwest (in Colorado, won't give to Texas until an agreement is in place)
Toby Parker - SBC
James Stuart - Sprint (no conflict)

Please let me know if you need anything else. In the meantime, I will check and see when it would work best to have the next utility coordination meeting.

Thanks,
Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Wednesday, July 16, 2003 3:30 PM
To: rcrockett@dynamic-technical.com; Buddy Smith; Patrick Nwakoby; Toby Parker; Jorge Barrera; James Davis; Jim Phillips; James B. Stuart
Cc: Matt Kirk; Bruce Grantham; Elizabeth "Liz" Metting; Jim Pierce; Luke Jalbert; Jennifer Nicewander; Jerry Holder; Steve Chutchian
Subject: Arapaho Road Phase 3 - Utility Coordination Meeting Number 2

PLEASE MAKE PLANS TO ATTEND THE FOLLOWING UTILITY COORDINATION MEETING:

PROJECT NAME: ARAPAHO ROAD PHASE 3, ADDISON, TEXAS
MEETING DATE: JULY 23, 2003
MEETING TIME: 10 A.M.
MEETING PLACE: HNTB TRAINING ROOM, 5910 W. PLANO PARKWAY, SUITE 200, PLANO, TEXAS

Updated plan views and profiles are going in the mail today to each utility company contact. If you do not receive one, please contact me. If you or a company representative are not going to be able to attend this meeting, please contact me.

Please come to the meeting prepared with the following:
- additions, deletions, or correction of utility information shown on the plans
- utility relocation plan
- schedule of utility relocations

If your utilities are not in conflict with this proposed project, please notify me and I will remove your name from this e-mail and mailing list.

Thank you for your attention to this project.

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, July 22, 2003 10:11 AM
To: rcrockett@dynamic-technical.com; Buddy Smith; Patrick Nwakoby; Toby Parker; Jorge Barrera; James Davis; Jim Phillips; James B. Stuart
Cc: Matt Kirk; Bruce Grantham; Elizabeth "Liz" Metting; Jim Pierce; Luke Jalbert; Jennifer Nicewander; Jerry Holder; Steve Chutchian
Subject: REMINDER: Arapaho Road Phase 3 - Utility Coordination Meeting Number 2

!!

PLEASE MAKE PLANS TO ATTEND THE FOLLOWING UTILITY COORDINATION MEETING:

PROJECT NAME: ARAPAHO ROAD PHASE 3, ADDISON, TEXAS
MEETING DATE: JULY 23, 2003
MEETING TIME: 10 A.M.
MEETING PLACE: HNTB TRAINING ROOM, 5910 W. PLANO PARKWAY, SUITE 200, PLANO, TEXAS

If your utilities are not in conflict with this proposed project, please notify me and I will remove your name from this e-mail and mailing list.

Look forward to seeing you at the meeting tomorrow, please let me know if you will not be attending. Thank you for your attention to this project.

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, July 08, 2003 9:19 AM
To: Toby Parker; Mike Tucker; Jorge Barrera; James Davis; Jim Phillips; James B. Stuart; RCrockett@dynamic-technical.com
Cc: Bruce Grantham; Matt Kirk; Jerry Holder; Steve Chutchian
Subject: Arapaho Road Phase 3 Utility Coordination Meeting

The tentatively scheduled Utility Coordination meeting for the above referenced project has been postponed for approximately 1 to 2 weeks. At the previous meeting we discussed meeting today, 7/8/03, to follow-up on utility coordination issues. This meeting will take place at a later date. Official notices will be sent out one week prior to the meeting.

Since the last meeting, we have been working closely with individual utility companies to determine the vertical and horizontal locations of their lines through potholing and other means. This information has now been gathered and put into the plan and profile of the project.

You will be receiving in the mail a full profile and plan view of the project with updated information. Please take time to review this and determine a plan of action, if needed, that your utility company will take to re-locate your individual utilities. At the upcoming meeting we are hoping to receive from each utility company a schedule and preliminary relocation plan.

The project is still on track to be bid early next year, as discussed at the first utility meeting. If you have determined that your utility lines are not in conflict with this project and would like to be taken off of this e-mail list, please let me know.

If you have any questions or need to discuss your individual utility lines, please do not hesitate to contact me.

Thank you,

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, April 29, 2003 2:11 PM
To: Steve Chutchian
Cc: Jennifer Nicewander; Bruce Grantham; Luke Jalbert; Elizabeth "Liz" Metting; Jerry Holder; Jim Pierce; Mike Murphy; Matt Kirk
Subject: Arapaho Road Phase 3 Utility Coordination Meeting

I would like to set a date for the Utility Coordination meeting. We have made initial contact with the franchise utilities. The next step is to bring everyone together and give them a run down of the project.

The following is a summary of what we have done thus far to locate utilities:

- we have made initial contact with the companies to notify them of the project;
- DIGTESS has located utilities at the major intersections;
- our surveyors have tied down the DIGTESS markers;
- we have obtained record drawings from the Town for sanitary sewer.

Tentatively, we are planning the following approach for the Utility Coordination meeting:

- Project Introduction / Overview
- Pass-out strip maps of the project including the following:
 - the preliminary project element locations;
 - the locations of the franchise utilities that we are currently aware of;
 - the locations of the Town utilities that we are currently aware of.
- Request that the utility companies bring to the meeting any drawings that they may have of their utilities.
- Ask the utility companies to take the strip maps back and review the information that we have provided and fill in any gaps they may find and then send the information back to us.
- We will take any information that they provide and review it and, if needed, correct our plans.

To narrow down the dates, I am currently looking at the meeting being either Thursday May 8th or Tuesday May 13th. Other dates are available if these are not good for any of the parties involved.

Steve, Jim, Mike, and Luke:

Please look at the following two dates and let me know which one works better for the Town.

HNTB:

Are both of these dates good in terms of using your conference room facilities?

Regards,
Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
1919 S. Shiloh Road
Suite 310, LB 8
Garland, TX 75042
Tel (972) 864-2333
Fax (972) 864-2334
e-mail: kcurry@gra-ce.net

Katura Curry

From: Luke Jalbert [ljalbert@ci.addison.tx.us]
Sent: Wednesday, July 23, 2003 8:25 AM
To: K Curry
Subject: RE: Arapaho Road Utility Relocation Plan Question

I'll be there to explain this stuff. Just disconnecting services don't require sealed plans, but whole relocations do.

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Wednesday, July 23, 2003 7:42 AM
To: Luke Jalbert
Cc: Steve Chutchian
Subject: Arapaho Road Utility Relocation Plan Question

Luke,
Does the Town of Addison require utility companies to submit engineered relocation plans, signed / sealed by a P.E.? Are there any other requirements that I should mention to the companies today at the meeting?

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

This e-mail and any files or attachments transmitted with it contains Information that is confidential and privileged. This document may contain Protected Health Information (PHI) or other information that is intended only for the use of the individual(s) and entity (ies) to whom it is addressed. If you are the intended recipient, further disclosures are prohibited without proper authorization. If you are not the intended recipient, any disclosure, copying, printing, or use of this information is strictly prohibited and possibly a violation of federal or state law and regulations. If you have received this information in error, please delete it and notify Hamid Khaleghipour at 972-450-2868 immediately. Thank you.

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, June 10, 2003 10:57 AM
To: Toby Parker
Cc: Matt Kirk
Subject: Arapaho Road Phase 3

Toby,
Grady Sartin who is with the contractor that will be uncovering the SBC line called me and wants to meet up out there tomorrow at 9 am. You had mentioned when we spoke earlier that you would like to go out there and meet up? Can you make this? I am going to be there to show him where we want the locates.

We are meeting at the Iceoplex there on Midway just north of Beltline Road and just south of the proposed Arapaho Road crossing.

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: PARKER, TOBIAS M (SWBT) [tp2597@sbc.com]
Sent: Tuesday, June 10, 2003 12:08 PM
To: 'K Curry'
Subject: RE: Arapaho Road Phase 3

I already have a meeting tomorrow at 8:30, that is suppose to last about 1.5 hours. So I might make it out there after that, if the meeting doesn't go to far over.

Toby Parker
SBC Design Engineer
(972) 234-7037

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Tuesday, June 10, 2003 10:57 AM
To: PARKER, TOBIAS M (SWBT)
Cc: Matt Kirk
Subject: Arapaho Road Phase 3

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Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: PARKER, TOBIAS M (SWBT) [tp2597@sbcc.com]
Sent: Tuesday, June 10, 2003 12:37 PM
To: 'K Curry'
Subject: RE: Arapaho Road Phase 3

I think he is doing 4 potholes, 2 on each side of Midway, but I think that can be adjusted if needed.

Toby Parker
SBC Design Engineer
(972)234-7037

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Tuesday, June 10, 2003 12:35 PM
To: PARKER, TOBIAS M (SWBT)
Subject: RE: Arapaho Road Phase 3

What all is in the contractors contract for uncovering? Is he contracted to do a certain number of potholes, both sides of Midway or just the east side?

Katura

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

From: PARKER, TOBIAS M (SWBT) [mailto:tp2597@sbcc.com]
Sent: Tuesday, June 10, 2003 12:08 PM
To: 'K Curry'
Subject: RE: Arapaho Road Phase 3

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Toby Parker
SBC Design Engineer
(972)234-7037

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Tuesday, June 10, 2003 10:57 AM
To: PARKER, TOBIAS M (SWBT)
Cc: Matt Kirk
Subject: Arapaho Road Phase 3

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We are meeting at the Iceoplex there on Midway just north of Beltline Road
and just south of the proposed Arapaho Road crossing.

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, July 08, 2003 9:48 AM
To: pnwakoby@expl.com
Cc: Mike Tucker
Subject: Arapaho Road Phase 3 Utility Coordination Meeting

Patrick,
Per Mike Tucker, I understand that you handle encroachment issues for Explorer. The following e-mail is regarding a project which is going on in Addison, Texas. If you will send me your mailing address I will make sure that you receive the plan / profile of the project as well as all information that has been sent out previously to bring you up to date on the project. I am not positive on whether Explorer has any conflicts on the project but we are located in the same proximity and therefore need a determination.

Thanks,
Katura Curry

The tentatively scheduled Utility Coordination meeting for the above referenced project has been postponed for approximately 1 to 2 weeks. At the previous meeting we discussed meeting today, 7/8/03, to follow-up on utility coordination issues. This meeting will take place at a later date. Official notices will be sent out one week prior to the meeting.

Since the last meeting, we have been working closely with individual utility companies to determine the vertical and horizontal locations of their lines through potholing and other means. This information has now been gathered and put into the plan and profile of the project.

You will be receiving in the mail a full profile and plan view of the project with updated information. Please take time to review this and determine a plan of action, if needed, that your utility company will take to re-locate your individual utilities. At the upcoming meeting we are hoping to receive from each utility company a schedule and preliminary relocation plan.

The project is still on track to be bid early next year, as discussed at the first utility meeting. If you have determined that your utility lines are not in conflict with this project and would like to be taken off of this e-mail list, please let me know.

If you have any questions or need to discuss your individual utility lines, please do not hesitate to contact me.

Thank you,

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Patrick Nwakoby [pnwakoby@expl.com]
Sent: Tuesday, July 08, 2003 9:51 AM
To: K Curry
Subject: RE: Arapaho Road Phase 3 Utility Coordination Meeting

Good morning!

My mailing address is:

6846 S. Canton Ave.
Suite 300
Tulsa, Oklahoma 74136
918-493-5172

Thanks.

Patrick

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Tuesday, July 08, 2003 9:48 AM
To: Patrick Nwakoby
Cc: Mike Tucker
Subject: Arapaho Road Phase 3 Utility Coordination Meeting

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Thanks,
Katura Curry

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If you have any questions or need to discuss your individual utility lines, please do not hesitate to contact me.

Thank you,

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Monday, October 06, 2003 2:39 PM
To: RCrockett@dynamic-technical.com
Cc: Luke Jalbert; Buddy Smith
Subject: RE: A&E Meeting

Thank you Rocky.

We understand that the utility companies need time to prepare their plans as well. I just want to make sure that when we meet, I have good reliable useful information for you, so as to not waste anyone's time. You certainly bring up an important issue to keep up front concerning the tree removal and the root system. Is there any way to know how entwined the two are prior to removing the trees? At this time I still have not heard back regarding the tree survey. Once I have heard, it might be worthwhile for you and I to meet at the site and for you to walk me through your concerns in order for us to be on the same page. I will contact you soon regarding this.

Thank you,
Katura

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

From: Rocky Crockett [mailto:RCrockett@dynamic-technical.com]
Sent: Monday, October 06, 2003 2:27 PM
To: K Curry
Cc: Rockwell L. Crockett DTS; Buddy Smith MCI; Luke Jalbert City of Addison
Subject: RE: A&E Meeting

Katura,

Thanks for the information. The Scope of Work that I must provide to MCI must cover everything. Scope, total cost, engineering, schedule and plan of action. This is required for MCI to provide the City an agreement between the 2 parties that covers all time and costs.

I can wait as long as is needed for all of the proposed A&E plans to be completed. I will state that it will take time at the end of City engineering proposals for MCI to complete the; engineering, agreement between the City and MCI, permits from the City and DART, Construction Bid proposal sent out, Purchase Orders issued, and Construction work completed.

MCI OSP Engineering does not want to let any issues delay the City of Addison's construction and to also advise the city that time will be required after all of the A&E plans are received to relocate the MCI facilities. The trees may be an issue as I stated at the last meeting. The existing large tree root systems may have become entwined around the existing MCI underground structures and if these trees are removed without cutting the roots before hand, the 3 fiber cables that are in this underground structure may become useless. This is a very important Long Distance route with Government Traffic and is why MCI placed this route on an easement. I just want to cover all possibilities.

As far as meetings, I can be available on any day except for Wednesday mornings through the end of October and from November 14th through the 23rd. Just give me 2-3 hours notice and I'll be at any meeting location. If you or any of the other A&E firms have any questions please feel free to call myself or Buddy Smith at 972-729-5845.

Thank you
Rocky Crockett

Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Friday, October 03, 2003 11:47 AM
To: RCrockett@dynamic-technical.com
Cc: Luke Jalbert City of Addison
Subject: RE: A&E Meeting

Rocky,

I apologize for not getting back to you on Tuesday. Luke and I have spoken regarding your request for a meeting. I am in the process of determining when the best time would be to have this meeting. I hope that this will be within the next two weeks. In the meantime, if it would help you, I am available to meet with you personally to resolve any issues that you may have.

Concerning trees - all of the trees in this area have not been field located; therefore, they do not appear on the information that I provided. There are currently discussions regarding tree locates being held; however, a final decision has not been provided to me. When I know the status of this, I will let you know. Are the trees posing a direct problem for the MCI facilities?

As a note, we are currently working on the storm sewer profile, which presents a conflict with the MCI facilities at the east end of the project in the 'Y' track area. This week, I met with the engineer who is designing the bridge in order to establish his design and how the boxes and the bridge will tie together. This was the information that I was waiting on for profiling my storm. If it is possible, I would like to complete these profiles prior to having the next utility meeting in order to provide you and the other utilities with this useful information. Therefore, if a meeting with me would help you along, I would like to wait to set a group utility meeting until I have further details of the storm sewer to share. As I mentioned, I expect this to be within the next two weeks.

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Thanks,
Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

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

From: Rocky Crockett [mailto:RCrockett@dynamic-technical.com]
Sent: Friday, October 03, 2003 10:04 AM
To: Katura Curry G&A
Cc: Rockwell L. Crockett DTS; Luke Jalbert City of Addison
Subject: A&E Meeting

Katura,

I spoke with Luke Jalbert with the City of Addison last Friday 09/26/03 and

asked if I could have a meeting set up with all of the Engineering firms; Bridge, Street and Utilities. I'm concerned that along the proposed street route from Sta 70+00 to 77+00 MCI has existing facilities and there are large trees next to a ditch that are not addressed on the prints I received from your office.

I called your office Tuesday and left a phone mail message asking for you to call or email me when you get a meeting scheduled. I have got to finish the scope of the total project and get quotes for the work that must be performed before MCI can get with the city for working up an agreement of costs.

Thank you
Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Friday, October 03, 2003 11:47 AM
To: RCrockett@dynamic-technical.com
Cc: Luke Jalbert City of Addison
Subject: RE: A&E Meeting

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Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, June 17, 2003 11:33 AM
To: RCrockett@dynamic-technical.com; Matt Kirk G&A (E-mail)
Cc: Buddy Smith MCI (E-mail); Wade Browning MCI (E-mail); Dean Johns MCI (E-mail)
Subject: RE: Addison-Surveyor Blvd to Addison Rd - DART

Rocky,

Design on the project is anticipated to be complete by the end of this year with a bid date in January 2004. That should put the contractors starting in March 2004. When you are ready to meet, please let Matt or me know. We have tentatively scheduled a utility coordination meeting on the project with all involved utilities for July 8th at the offices of the prime consultant - HNTB.

If you have any other questions or would like to meet, please give us a call or drop us an e-mail.

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

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

From: Rocky Crockett [mailto:RCrockett@dynamic-technical.com]
Sent: Monday, June 16, 2003 5:58 PM
To: Katura Curry G&A (E-mail); Matt Kirk G&A (E-mail)
Cc: Buddy Smith MCI (E-mail); Wade Browning MCI (E-mail); Dean Johns MCI (E-mail); Rockwell L. Crockett DTS (E-mail)
Subject: Addison-Surveyor Blvd to Addison Rd - DART

Katura / Matt,

Can you tell me the Time Line for this project. When will the Construction Bid go out to the contractors and what is the proposed Construction Start date? I'm gathering up field information and as soon as I have enough to talk about, I would like to have a meeting with you and see if there are any possible solutions or alternatives.

Thank you
Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

Katura Curry

From: Luke Jalbert [ljalbert@ci.addison.tx.us]
Sent: Friday, October 03, 2003 10:04 AM
To: RCrockett@dynamic-technical.com; Katura Curry G&A
Subject: RE: A&E Meeting

Katura, when would be a good time for yall to do this, I'm available whenever.

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

From: Rocky Crockett [mailto:RCrockett@dynamic-technical.com]
Sent: Friday, October 03, 2003 10:04 AM
To: Katura Curry G&A
Cc: Rockwell L. Crockett DTS; Luke Jalbert
Subject: A&E Meeting

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Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

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Katura Curry

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DTS - Dynamic-Technical Services, LP
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Sent: Tuesday, June 17, 2003 11:38 AM
To: 'K Curry'; 'Matt Kirk G&A (E-mail)'
Cc: 'Buddy Smith MCI (E-mail)'; 'Wade Browning MCI (E-mail)'; 'Dean Johns MCI (E-mail)'
Subject: RE: Addison-Surveyor Blvd to Addison Rd - DART

Thank you
Rocky

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From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Tuesday, June 17, 2003 11:33 AM
To: RCrockett@dynamic-technical.com; Matt Kirk G&A (E-mail)
Cc: Buddy Smith MCI (E-mail); Wade Browning MCI (E-mail); Dean Johns MCI (E-mail)
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If you have any other questions or would like to meet, please give us a call or drop us an e-mail.

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From: Rocky Crockett [RCrockett@dynamic-technical.com]
Sent: Friday, October 03, 2003 10:04 AM
To: Katura Curry G&A
Cc: Rockwell L. Crockett DTS; Luke Jalbert City of Addison
Subject: A&E Meeting

Katura,

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Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

Katura Curry

From: Rocky Crockett [RCrockett@dynamic-technical.com]
Sent: Monday, October 06, 2003 2:27 PM
To: K Curry
Cc: Rockwell L. Crockett DTS; Buddy Smith MCI; Luke Jalbert City of Addison
Subject: RE: A&E Meeting

Katura,

Thanks for the information. The Scope of Work that I must provide to MCI must cover everything. Scope, total cost, engineering, schedule and plan of action. This is required for MCI to provide the City an agreement between the 2 parties that covers all time and costs.

I can wait as long as is needed for all of the proposed A&E plans to be completed. I will state that it will take time at the end of City engineering proposals for MCI to complete the; engineering, agreement between the City and MCI, permits from the City and DART, Construction Bid proposal sent out, Purchase Orders issued, and Construction work completed.

MCI OSP Engineering does not want to let any issues delay the City of Addison's construction and to also advise the city that time will be required after all of the A&E plans are received to relocate the MCI facilities. The trees may be an issue as I stated at the last meeting. The existing large tree root systems may have become entwined around the existing MCI underground structures and if these trees are removed without cutting the roots before hand, the 3 fiber cables that are in this underground structure may become useless. This is a very important Long Distance route with Government Traffic and is why MCI placed this route on an easement. I just want to cover all possibilities.

As far as meetings, I can be available on any day except for Wednesday mornings through the end of October and from November 14th through the 23rd. Just give me 2-3 hours notice and I'll be at any meeting location. If you or any of the other A&E firms have any questions please feel free to call myself or Buddy Smith at 972-729-5845.

Thank you
Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Friday, October 03, 2003 11:47 AM
To: RCrockett@dynamic-technical.com
Cc: Luke Jalbert City of Addison
Subject: RE: A&E Meeting

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Thanks,
Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel(972)864-2333
kcurry@gra-ce.net

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

From: Rocky Crockett [mailto:RCrockett@dynamic-technical.com]
Sent: Friday, October 03, 2003 10:04 AM
To: Katura Curry G&A
Cc: Rockwell L. Crockett DTS; Luke Jalbert City of Addison
Subject: A&E Meeting

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Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

Katura Curry

From: Rocky Crockett [RCrockett@dynamic-technical.com]
Sent: Monday, October 06, 2003 2:57 PM
To: K Curry
Cc: Luke Jalbert; Buddy Smith
Subject: RE: A&E Meeting

Thank you and I'm looking forward to a meeting. Rocky

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

From: K Curry [mailto:kcurry@gra-ce.net]
Sent: Monday, October 06, 2003 2:39 PM
To: RCrockett@dynamic-technical.com
Cc: Luke Jalbert; Buddy Smith
Subject: RE: A&E Meeting

Thank you Rocky.

We understand that the utility companies need time to prepare their plans as well. I just want to make sure that when we meet, I have good reliable useful information for you, so as to not waste anyone's time. You certainly bring up an important issue to keep up front concerning the tree removal and the root system. Is there any way to know how entwined the two are prior to removing the trees? At this time I still have not heard back regarding the tree survey. Once I have heard, it might be worthwhile for you and I to meet at the site and for you to walk me through your concerns in order for us to be on the same page. I will contact you soon regarding this.

Thank you,
Katura

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From: Rocky Crockett [mailto:RCrockett@dynamic-technical.com]
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To: K Curry
Cc: Rockwell L. Crockett DTS; Buddy Smith MCI; Luke Jalbert City of Addison
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Tel (972) 864-2333
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Rocky Crockett
Representing MCI
DTS - Dynamic-Technical Services, LP
Cell - 214-912-7295

Katura Curry

From: Jerry Holder [JHolder@HNTB.com]
Sent: Monday, August 11, 2003 7:38 AM
To: JDAVIS4@oncorgroup.com
Cc: Jenny Nicewander; Katura Curry
Subject: FW: Arapaho Road Phase 3



Iceoplex.jpg

James, let me know if this helps you.

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

From: Earnie Cox [mailto:ecox@arsengrs.com]
Sent: Monday, August 11, 2003 7:37 AM
To: Jerry Holder
Subject: RE: Arapaho Road Phase 3

Jerry,

The Iceoplex plat dedicated 84' of ROW along its North line adjacent to the railroad ROW which completely encompasses the proposed width. This is probably why the plans do not show information along the ROW in this area. When we were initially surveying in this area we recovered all of the corners along the North line of this subdivision and one across the RR ROW at its intersection with Midway's E. ROW. I have included a scan of the plat showing the area in question. Please let me know if this information is sufficient or what else I can do to help this situation.

Earnie

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

From: Jerry Holder [SMTP:JHolder@HNTB.com]
Sent: Sunday, August 10, 2003 9:28 PM
To: ecox@arsengrs.com
Cc: Jenny Nicewander; ; Katura Curry
Subject: FW: Arapaho Road Phase 3
Importance: High

Earnie,

Please read James' e-mail below. Do we have the property and r-o-w lines in this area? Please research this question and get with me at your earliest convenience please.

Thanks,
Jerry

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

From: JDAVIS4@oncorgroup.com [mailto:JDAVIS4@oncorgroup.com]
Sent: Friday, August 08, 2003 4:59 PM
To: Jerry Holder
Subject: Re: Arapaho Road Phase 3
Importance: High

Jerry,

On the east side of the intersection of Midway with the new

Arapaho Road, the right of way on the drawings does not show any points with bearings (unlike the west side of the intersection). The

overhead line on the east side will have to be relocated underground. This involves securing a railroad permit and, to do the permit, our surveyors need the right of way information on the east side. This

is the Iceoplex property. Jenny Nicewander is trying to obtain this information for us. Unfortunately, receiving permits from the railroad is requiring about 3 months at present, and our construction crew will not schedule this work without permits in hand. If there is anything you can do to expedite this, it would be very helpful. This is definitely part of the critical path of this project on our end.

Thank you,
James Davis

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Katura Curry

From: Jenny Nicewander [JNicewander@HNTB.com]
Sent: Tuesday, August 05, 2003 10:27 AM
To: K Curry
Subject: RE: Arapaho Road Phase 3

Did Bruce recommend anything on this??

Also, Roger Southworth called and would like any drainage profiles you have at this point so he can finish up his soils report. Could you send those on to him? Let me know if you need his contact information or if you would want me to send them on.

Jenny

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

From: K Curry [<mailto:kcurry@gra-ce.net>]
Sent: Tuesday, July 29, 2003 2:10 PM
To: Jenny Nicewander
Subject: Arapaho Road Phase 3

Jenny,
I just spoke with James Davis at Oncor.

1. His surveyors are unable to locate property corners / right-of-way on the East side of Midway road north and south of the RR tracks. They are trying to prepare a RR x-ing permit and have no iron rods on the east side to tie down the properties. This is why he is asking if it would be possible for us to stake the right-of-way on that side. I want to run this by Bruce and see if he has any ideas as to how to handle this, other than surveying. I will let you know.

2. I have already mailed James a copy of the digital files for the project. This CD contains row files that he can use. I told him that we can also send / fax him the documents, per our earlier conversation. If there are too many to fax, maybe they can just be mailed.

Thanks,
Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel(972)864-2333
kcurry@gra-ce.net

This e-mail and any files transmitted with it are confidential and are intended solely for the use of the individual or entity to whom they are addressed. If you are NOT the intended recipient or the person responsible for delivering the e-mail to the intended recipient, be advised that you have received this e-mail in error and that any use, dissemination, forwarding, printing, or copying of this e-mail is strictly prohibited.

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Sent: Sunday, August 10, 2003 9:28 PM
To: ecox@arsengrs.com
Cc: Jenny Nicewander; JDAVIS4@oncorgroup.com; Katura Curry
Subject: FW: Arapaho Road Phase 3

Importance: High

Earnie,
Please read James' e-mail below. Do we have the property and r-o-w lines in this area? Please research this question and get with me at your earliest convenience please.

Thanks,
Jerry

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

From: JDAVIS4@oncorgroup.com [mailto:JDAVIS4@oncorgroup.com]
Sent: Friday, August 08, 2003 4:59 PM
To: Jerry Holder
Subject: Re: Arapaho Road Phase 3
Importance: High

Jerry,

On the east side of the intersection of Midway with the new Arapaho Road, the right of way on the drawings does not show any points with bearings (unlike the west side of the intersection). The

overhead line on the east side will have to be relocated underground. This involves securing a railroad permit and, to do the permit, our surveyors need the right of way information on the east side. This

is the Iceoplex property. Jenny Nicewander is trying to obtain this information for us. Unfortunately, receiving permits from the railroad is requiring about 3 months at present, and our construction crew will not schedule this work without permits in hand. If there is anything you can do to expedite this, it would be very helpful. This is definitely part of the critical path of this project on our end.

Thank you,
James Davis

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Katura Curry

From: jnp@oncorgroup.com
Sent: Tuesday, July 08, 2003 9:21 AM
To: K Curry
Subject: Re: Arapaho Road Phase 3 Utility Coordination Meeting

Thanks for the note.

My new address is:
Jim Phillips
Oncor Gas
301 S. Harwood
511 North
Dallas 75201

Ph = 214-875-2209
Fx = 214-875-2223

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Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Wednesday, August 13, 2003 3:45 PM
To: James Davis
Cc: Jennifer Nicewander
Subject: Arapaho Road Phase 3

James,
Jenny Nicewander at HNTB is going to send you a half-size set of plans by mail. Please let me know if you do not receive them.

Thanks,

Katura

Katura Curry, P.E.
Grantham & Associates, Inc.
Tel (972) 864-2333
kcurry@gra-ce.net

Katura Curry

From: Katura Curry [kcurry@gra-ce.net]
Sent: Tuesday, August 05, 2003 1:29 PM
To: James Davis
Subject: XRow.dwg



XRow.dwg

XRow . dwg

Katura Curry

From: Rob Kouba [RKouba@HNTB.com]
Sent: Tuesday, June 03, 2003 4:20 PM
To: Jenny Nicewander; Elizabeth Metting; jhatchel@swbell.net; Katura Curry
Subject: FW: Power service locations for the Arapaho Road extension - City of Addison project

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

From: Rob Kouba
Sent: Tuesday, June 03, 2003 4:08 PM
To: 'JDAVIS4@oncorgroup.com'
Cc: Jerry Holder
Subject: Power service locations for the Arapaho Road extension - City of Addison project

James,

Here is a summation of our Monday, June 2nd site visit for the City of Addison - Arapaho Road extension project.

- I will contact URS and have them coordinate with you any electrical power needs for the Arapaho Bridge over Midway Road. They should be sending you a copy of the bridge's plan and profiles sheets.
- The pedestrian lighting and irrigation will be serviced off the same metered source. Their wiring will also run in the same conduit.
- The street lighting will have it's own metered power service and conduit. HNTB will coordinate with City of Addison over voltage and luminaire wattage to be provided.
- The traffic signals will operate off their own metered power service and conduit.
- We also discussed that the probable street lighting design will consist of one system for the west end of the project (Surveyor Rd. to the west approach of bridge) and one system for the east end of the project (east approach of the bridge to Addison Rd.). The Bridge will have it's own lighting designed by URS.

The information I need from you are the possible power service locations for the street lights, ped lights, irrigation, and traffic signals. I had also requested that you check to see if the existing power source for the Arapaho Rd. and Addison Rd. intersection traffic signals could be reused.

Thank you for your time in coordinating this design effort. If you have any further questions or need more information, please do not hesitate to ask.

Rob Kouba, P.E.
HNTB Corporation
5910 W. Plano Pkwy
Suite 200
(P) 972 628 3152
(F) 972 661 5614

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11/7/03

the intended recipient, be advised that you have received this e-mail in error and that any use, dissemination, forwarding, printing, or copying of this e-mail is strictly prohibited.

ARAPAHO ROAD, MARSH LANE TO ADDISON ROAD		
Project Budget	Project #	83300
Description	Amount	Notes
Bond Funds	\$20,500,000	2000 bonds
County funds	\$1,432,812	
* Dart Lap	\$1,046,000	
Morris Road available funds	\$300,000	
Addison Road/Excel	\$230,000	
Reprogrammed DART LAP Funds	\$1,189,625	
total available funds	\$24,698,437	
Phase II, Marsh to Surveyor		
Sub Total	\$4,233,889	
Phase III, Surveyor to Addison Road		
ROW analysis	\$44,977	
HNTB Design Fee	\$813,785	
Evaluation Associates	\$39,000	
HNTB Urban Design (streetscape)	\$51,000	
Metro Brick Parcel #1	\$95,150	
Joe's Auto Body Parcel #2	\$173,202	
Union Pacific Railway Company Parcel #3	\$1,204,217	
The City of Dallas Parcel #4	\$13,018	
Heritage Inn Parcel #5	\$60,868	
Motel 6 Parcel #6	\$463,244	
Charter Furniture Parcel #7	\$166,446	
Gary Crouch/MBNA Parcel #8	\$62,381	
John Wilson Parcel #9	\$112,000	
Harbour Group Parcel #10	\$29,768	
Dale Bullough/Metrocrest 1 Parcel #11	\$29,357	
Public Storage of Dallas, Ltd. Parcel #12	\$1,583,210	
Public Storage of Dallas, Ltd. Parcel #13	included in #12	
Audit and Legal Fees	\$25,000	*number not current
Road way construction	\$8,047,085	Estimate
Bridge Construction	\$5,000,000	Estimate
Bridge Design	\$550,965	
Streetscape construction	\$1,200,000	Estimate
Bridge Design Stipend	\$30,000	
URS bridge concept meeting	\$19,570	
Wye Track Crossing Fee	\$2,500	
Environmental reports	\$7,210	
Hipes & Associates	\$40,365	
Pat Haggerty	\$2,805	
Evaluation Associates	\$21,750	
Bridge Pre-Submittal meeting @ Stone Cottage	\$706	
Total, Phase III	\$19,889,579	
Total Expenses	\$24,123,468	
Total over/under budget	\$574,969	
Spui	\$2,000,000	
Midway Road	\$1,000,000	
Total funds remaining if needed	\$3,000,000	
*Dart Lap funds 2001-2003		

Financial Cost Comparison

Arapaho Phase III - Surveyor Blvd. to Addison Rd.

OPTION A (done this way in Phase II)

Assumptions:

Contractor provides light foundations, conduit, and pullboxes
 provides wiring, light standards (poles, luminaires, mast arms), and power service (riser, transformer, controller).
 provides electricity, operations and maintenance for flat monthly rate per light (no meter).

Town

Oncor

DESCRIPTION	UNIT	QUANTITY	COST/UNIT	TOTAL
Foundation, 40' street light pole	EA	24	\$ 800.00	\$ 19,200.00
Pullbox	EA	4	\$ 650.00	\$ 2,600.00
Conduit, 2" schedule 40 PVC	LF	5,364	\$ 7.00	\$ 37,548.00
Roadway Illumination Assembly, 40' MH, 400W Rectangular Luminaire	EA	24	\$ 2,427.00	\$ 58,248.00
Electrical Conductor (No. 8) Insulated	LF	10,728		\$ -
Electrical Conductor (No. 8) Bare	LF	5,364		\$ -
Electrical Service Type D (120/240) 060 (ns) (t) tp (o)	EA	1		\$ -
			Subtotal:	\$ 117,596.00
Flat monthly rate paid to for operations, maintenance non-bypassables. (Assumes 24 standards & luminaires @ Schedule A Rate)			\$ 341.76	\$ 8,202.24
Monthly cost of estimated electricity paid to : (assumes \$.05 per kwh chg.)			\$ 192.00	\$ 4,608.00
			TOTAL:	\$ 213,672.80

ASSUMPTIONS:

Using Tariff 6.1.1.6 - Lighting Service
 Evaluation period: Years 15
 Oncor Schedule A: \$ 14.00
 Number of lights: 24
 Oncor Cust. & Meter Chg. \$ -
 kWh Consumption per light 160
 Oncor Schedule D: 4.85
 kWh non-bypassable charges \$ 0.0015
 REP power rate: \$ 0.05
 Annual Town Maintenance \$ 3,000

OPTION B

Assumptions:

Contractor provides light foundations, conduit, and pullboxes
 Contractor provides wiring, light standards (poles, luminaires, mast arms), and power service (riser, transformer, controller).
 Town of Addison provides operations and maintenance.
 provides metered service and charges Town of Addison for electricity usage.

DESCRIPTION	UNIT	QUANTITY	COST/UNIT	TOTAL
Foundation, 40' street light pole	EA	24	\$ 800.00	\$ 19,200.00
Pullbox	EA	4	\$ 650.00	\$ 2,600.00
Conduit, 2" schedule 40 PVC	LF	5,364	\$ 7.00	\$ 37,548.00
Roadway Illumination Assembly, 40' MH, 400W Rectangular Luminaire	EA	24	\$ 3,000.00	\$ 72,000.00
Electrical Conductor (No. 8) Insulated	LF	10,728	\$ 0.62	\$ 6,651.36
Electrical Conductor (No. 8) Bare	LF	5,364	\$ 0.55	\$ 2,950.20
Electrical Service Type D (120/240) 060 (ns) (t) tp (o)	EA	1	\$ 3,500.00	\$ 3,500.00
			Subtotal:	\$ 144,449.56
Monthly cost of metered electricity paid to (assumes \$4.85 charge & \$.0015 per kwh chg.)				\$ 2,198.88
Monthly cost of metered electricity paid to : (assumes \$.05 per kwh chg.)				\$ 4,608.00
Cost of Town of Addison staff for operations, and maintenance:				\$ 3,000.00
			TOTAL:	\$ 245,998.36

Note that Subtotal is an up front one time cost, while the monthly rate is continuous overtime. In order to add the two, a life expectancy of the structure will have to be assumed and the net present value of the monthly rate over that time period calcul

Meeting notes 9/23/03
Orlino Holy, Eric Skittle, Tonya
Katura, Jenny, Liz Metting

Crossing clearance desirable
might have to lower the 60"
water main
Use multiple boxes.



CITY OF DALLAS
September 15, 2003
Eric will E mail prelim plans
to Jenny. Eric requested
info on 10" SS that runs N.S.
by 60" valve. Katura will send

Katura Curry
Grantham & Associates, Inc
1919 S. Shiloh Road, Suite 310, L.B. 8
Garland, TX 75042

Re: 65% Design Review Comments
Arapaho Road Extension from Surveyor to Addison Road
DWU Contract No. 03-199F

Dear Mrs. Curry:

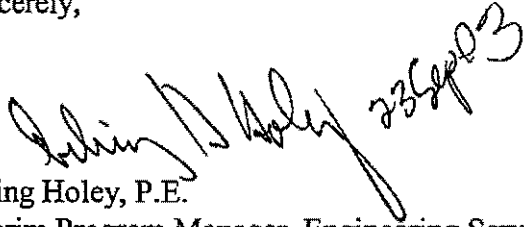
Dallas Water Utilities received a set of 65% design plans on September 9, 2003 for the proposed construction project of Arapaho Road Extension from Surveyor to Addison submitted by Grantham & Associates. DWU has the following 65% plans review comments:

- Sheet R-6, PP-9, IL-6 Sta±73+00, Please show ex. 54" dia. manhole ±100LF W of DWU valve. (on 60" water main)
- Sheet SW-1, SW-2 Sta0+00 to 88+00, Please show Stm. Swr. in profile. Will do
- Sheet SW-2 Sta71+00 to 73+00, Three Stm Swr laterals shown crossing DWU 60" water, Please redesign inlets not to cross water main if possible. Add Warning note.
Sta 74+00, Prop 9'x5' box culvert shown to cross DWU 60" water line. Potential elevation conflict. Please show profile, add caution note. The crossing must be non-open cut installation.
- Sheet ~~R-6~~ SR1 Please include separate detail sheet for "clearance envelope for DWU 60-inch water line." Create a separate detail & shade it. Look if we go OVER
- Sheet XS-16, XS-17 Sta 60+00 to 61+00, Please show FL of DWU 60" Water clearly. ✓
- Sheet XS-24, XS-25, XS-26 Please verify continuation of DWU 60" WL East of Sta 74+00. Pot hole to verify
- Sheet IL-3 Sta 43+00, please show depth and diameter of light post footing. Please redesign prop light post with more outside clearance from DWU water main. Design a different footing or check vs. depth of the water main vs footing

Please incorporate these comments into the design. Please send 95% design plans to DWU for review when available.

If you have any questions or require any additional information please feel free to call Erick Steitle, the Project Engineer assigned to this project at (214) 671-9527.

Sincerely,



Erling Holey, P.E.
Interim Program Manager, Engineering Services
Dallas Water Utilities

cc: Luke Jalbert, Project Manager, Town of Addison
E. Holey/E. Steitle/M. Ramirez/File

Water Utilities Department

Engineering Services □ 2121 Main St, Suite 400 □ Dallas, Texas 75201 □ 214 / 671-9523
A city utility providing regional water and wastewater services vital to public health and safety.



CITY OF DALLAS

September 15, 2003

Katura Curry
Grantham & Associates, Inc
1919 S. Shiloh Road, Suite 310, L.B. 8
Garland, TX 75042

Re: 65% Design Review Comments
Arapaho Road Extension from Surveyor to Addison Road
DWU Contract No. 03-199F

Dear Mrs. Curry:

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Sheet R-6,PP-9,IL-6	Sta±73+00, Please show ex. 54" dia. manhole ±100LF W of DWU valve.
Sheet SW-1, SW-2	Sta0+00 to 88+00, Please show Stm. Swr. in profile.
Sheet SW-2	Sta71+00 to 73+00, Three Stm Swr laterals shown crossing DWU 60" water, Please redesign inlets not to cross water main if possible. Add Warning note. Sta 74+00, Prop 9'x5' box culvert shown to cross DWU 60" water line. Potential elevation conflict. Please show profile, add caution note. The crossing must be non-open cut installation.
Sheet R-5	Please include separate detail sheet for "clearance envelope for DWU 60-inch water line."
Sheet XS-16, XS-17	Sta 60+00 to 61+00, Please show FL of DWU 60" Water clearly.
Sheet XS-24, XS-25, XS-26	Please verify continuation of DWU 60" WL East of Sta 74+00.
Sheet IL-3	Sta 43+00, please show depth and diameter of light post footing. Please redesign prop light post with more outside clearance from DWU water main.

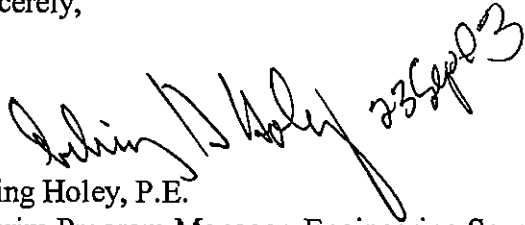
Water Utilities Department

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A city utility providing regional water and wastewater services vital to public health and safety.

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If you have any questions or require any additional information please feel free to call Erick Steitle, the Project Engineer assigned to this project at (214) 671-9527.

Sincerely,



Erling Holey, P.E.
Interim Program Manager, Engineering Services
Dallas Water Utilities

cc: Luke Jalbert, Project Manager, Town of Addison
E. Holey/E. Steitle/M. Ramirez/File

Water Utilities Department

Engineering Services □ 2121 Main St, Suite 400 □ Dallas, Texas 75201 □ 214 / 671-9523
A city utility providing regional water and wastewater services vital to public health and safety.

Passed
8-12-03

#R16-1

Council Agenda Item: #R16-1

SUMMARY:

This item is for the consideration of an ordinance authorizing parking along the street right-of-way in the 4100 block of Centurion Way for a defined time period, and approving an effective date.

FINANCIAL IMPACT: N/A

BACKGROUND:

The third phase of the proposed Arapaho Road extension project extends from Surveyor Blvd. to Addison Road. Construction of this section of Arapaho Road will complete an east-west minor arterial roadway that is necessary to relieve traffic congestion on Belt Line Road. It is anticipated that the new street will initially absorb approximately 11,000 vehicles per day, with a maximum future count of 25,000 vehicles per day. The proposed construction improvements will have a direct impact on adjacent properties along the 4100 block of Centurion Way. Specifically, the amount of available off-street parking at the rear of several businesses in this block will be reduced during the construction period. As a result, parking along the street right-of-way in the 4100 block of Centurion Way is necessary to lessen the affect of the street and bridge construction on each business. Centurion Way is designated as a Commercial Collector with a limit of 30 MPH. The street has a width of 41 ft.

RECOMMENDATION:

Staff recommends that Council approve the attached ordinance authorizing parking along the street right-of-way in the 4100 block of Centurion Way for a defined time period, and providing an effective date.

AR16-2

ORDINANCE NO. _____

AN ORDINANCE OF THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS AUTHORIZING PARKING ALONG STREET RIGHT-OF-WAY IN THE 4100 BLOCK OF CENTURION WAY FOR A DEFINED TIME PERIOD; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town of Addison, Texas is currently in the process of acquiring property for the construction, relocation and extension of Arapaho Road, a public street in Addison, Texas; and

WHEREAS, such construction, relocation and extension could affect available off-street parking for certain businesses located on Centurion Way within Addison, Texas; and

WHEREAS, the City Council of the Town of Addison, Texas is of the opinion that the best interest and welfare of the public is served by allowing parking along street right-of-way in the 4100 block of Centurion Way during such construction to lessen any affect the construction might have on available off-street parking for businesses located on Centurion Way; Now, Therefore,

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

Section 1. That except during the hours between 2:00 a.m. and 6:00 a.m., parking is allowed along street right-of-way in the 4100 block of Centurion Way beginning November 1, 2003 through November 30, 2005. To the extent of any conflict between this Ordinance and the Code of Ordinances of the Town of Addison, including Section 78-155 thereof regarding the designation of no parking and permitted parking areas, the terms of this Ordinance shall control.

Section 2. That if the construction, relocation and extension of Arapaho Road is not complete by November 30, 2005, and the City Council determines that such construction continues to affect parking for businesses located on Centurion Way, the Council may by resolution extend the allowance of parking along street right-of way in the 4100 block of Centurion Way as provided herein for an additional time period, said time period not to extend beyond May 31, 2006.

Section 3. That this ordinance shall take effect immediately upon passage and it is so ordained.

DULY PASSED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, this 12th day of August, 2003.

R. Scott Wheeler, Mayor

ATTEST:

APPROVED AS TO FORM:

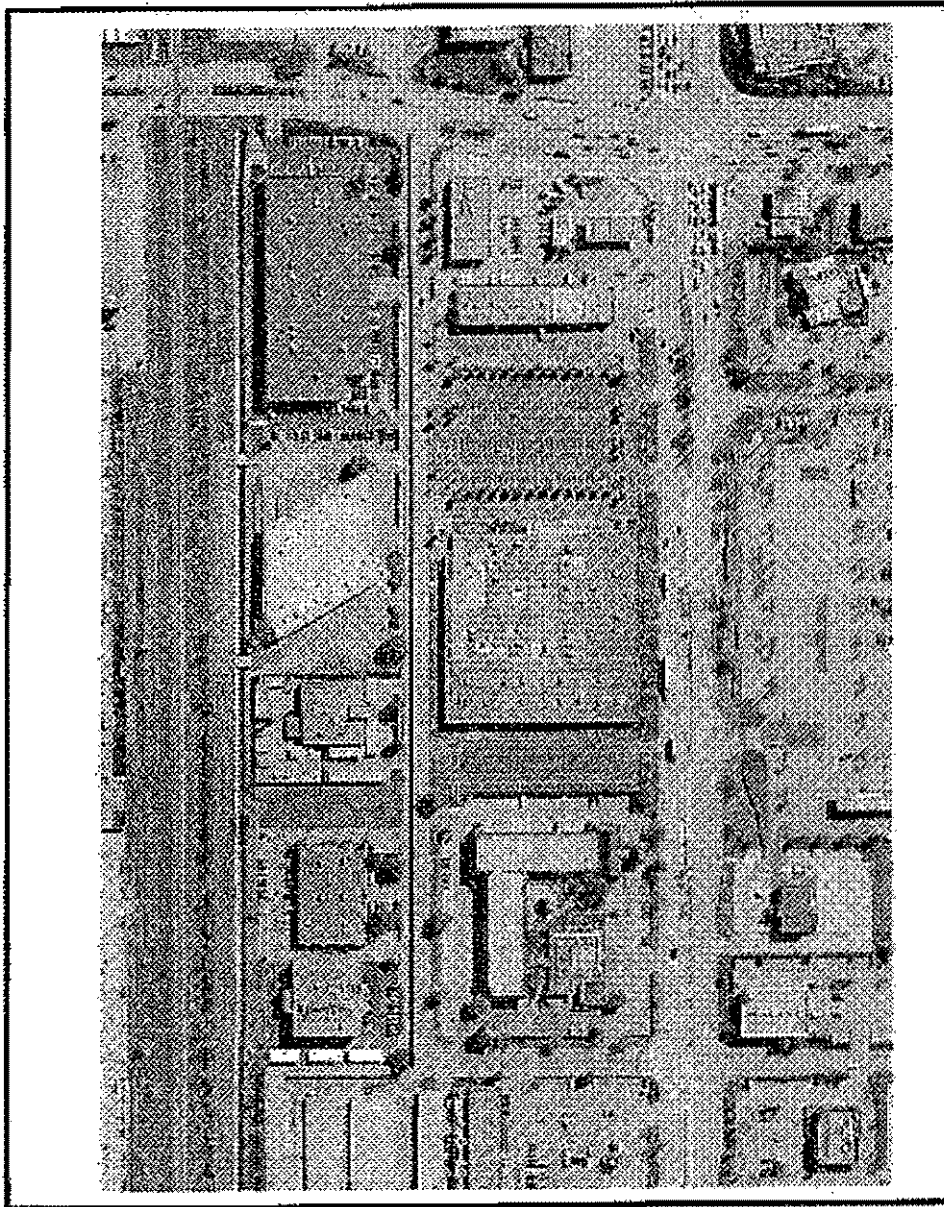
Carmen Moran, City Secretary

Ken Dippel, City Attorney

#R16-3

ESRI ArcExplorer 2.0

Centurion Way On Street Parking



Tuesday, Aug 5 2003



CALL HMTB

Get ESTIMATE FOR INSTALL LIGHTS vs. Engineer Bid + POLES STREET LIGHTS SEPARATELY ME NEED COMPARISON # OF LIGHTS + KILL WHAT DE NOT W/

TOWN OF ADDISON
2002 CAPITAL PROJECT FUND
INDIVIDUAL PROJECT REVENUES, EXPENDITURES, AND CHANGES IN BALANCES
City Manager Proposed 2003-04 Budget

Project		Estimated 2003 Fiscal Year						
Number	Name	Beginning Balance	Revenue	Expenditures			Budget Adjustments	Ending Balance
			Interest/Other	Admin. Sal.	Prof. Services	Capital		
	Unallocated	\$ -	230,300	(27,000)	-	-	-	\$ 203,300
03500	Athletic Club Outdoor Pool	725,000	-	-	(50,000)	(675,000)	-	-
83300	Arapaho Road Extension	10,000,000	-	-	(750,000)	(3,150,000)	-	6,100,000
02300	Belt Line Streetscape	2,070,000	-	-	-	-	-	2,070,000
05301	Spectrum Drive	2,300,000	-	-	-	-	-	2,300,000
TOTAL		\$ 15,095,000	\$ 230,300	\$ (27,000)	\$ (800,000)	\$ (3,825,000)	\$ -	\$ 10,673,300

FUND

TOWN OF ADDISON
2002 CAPITAL PROJECT FUND
INDIVIDUAL PROJECT REVENUES, EXPENDITURES, AND CHANGES IN BALANCES
City Manager Proposed 2003-04 Budget

Project		Budget 2004 Fiscal Year						
Number	Name	Beginning Balance	Revenue	Expenditures			Budget Adjustments	Ending Balance
			Interest/Other	Admin. Sal.	Prof. Services	Capital		
	Unallocated	\$ 203,300	150,000	(150,000)	-	-	-	\$ 203,300
03500	Athletic Club Outdoor Pool	-	-	-	-	-	-	-
83300	Arapaho Road Extension	6,100,000	-	-	(500,000)	(5,600,000)	-	-
02300	Belt Line Streetscape	2,070,000	-	-	-	-	-	2,070,000
05301	Spectrum Drive	2,300,000	-	-	-	(2,300,000)	-	-
TOTAL		\$ 10,673,300	\$ 150,000	\$ (150,000)	\$ (500,000)	\$ (7,900,000)	\$ -	\$ 2,273,300

BID ARAPAHO AS ALTERNATE DESIGN FOR

DATE SUBMITTED: August 5, 2003
FOR COUNCIL MEETING: August 12, 2003

Council Agenda Item:

SUMMARY:

This item is for the consideration of an ordinance authorizing parking along the street right-of-way in the 4100 block of Centurion Way for a defined time period, and approving an effective date.

FINANCIAL IMPACT: N/A

BACKGROUND:

The third phase of the proposed Arapaho Road extension project extends from Surveyor Blvd. to Addison Road. Construction of this section of Arapaho Road will complete an east-west minor arterial roadway that is necessary to relieve traffic congestion on Belt Line Road. It is anticipated that the new street will initially absorb approximately 11,000 vehicles per day, with a maximum future count of 25,000 vehicles per day. The proposed construction improvements will have a direct impact on adjacent properties along the 4100 block of Centurion Way. Specifically, the amount of available off-street parking at the rear of several businesses in this block will be reduced during the construction period. As a result, parking along the street right-of-way in the 4100 block of Centurion Way is necessary to lessen the affect of the street and bridge construction on each business. Centurion Way is designated as a Commercial Collector with a limit of 30 MPH. The street has a width of 41 ft.

RECOMMENDATION:

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Section 3. That this ordinance shall take effect immediately upon passage and it is so ordained.

DULY PASSED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, this 12th day of August, 2003.

R. Scott Wheeler, Mayor

ATTEST:

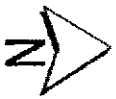
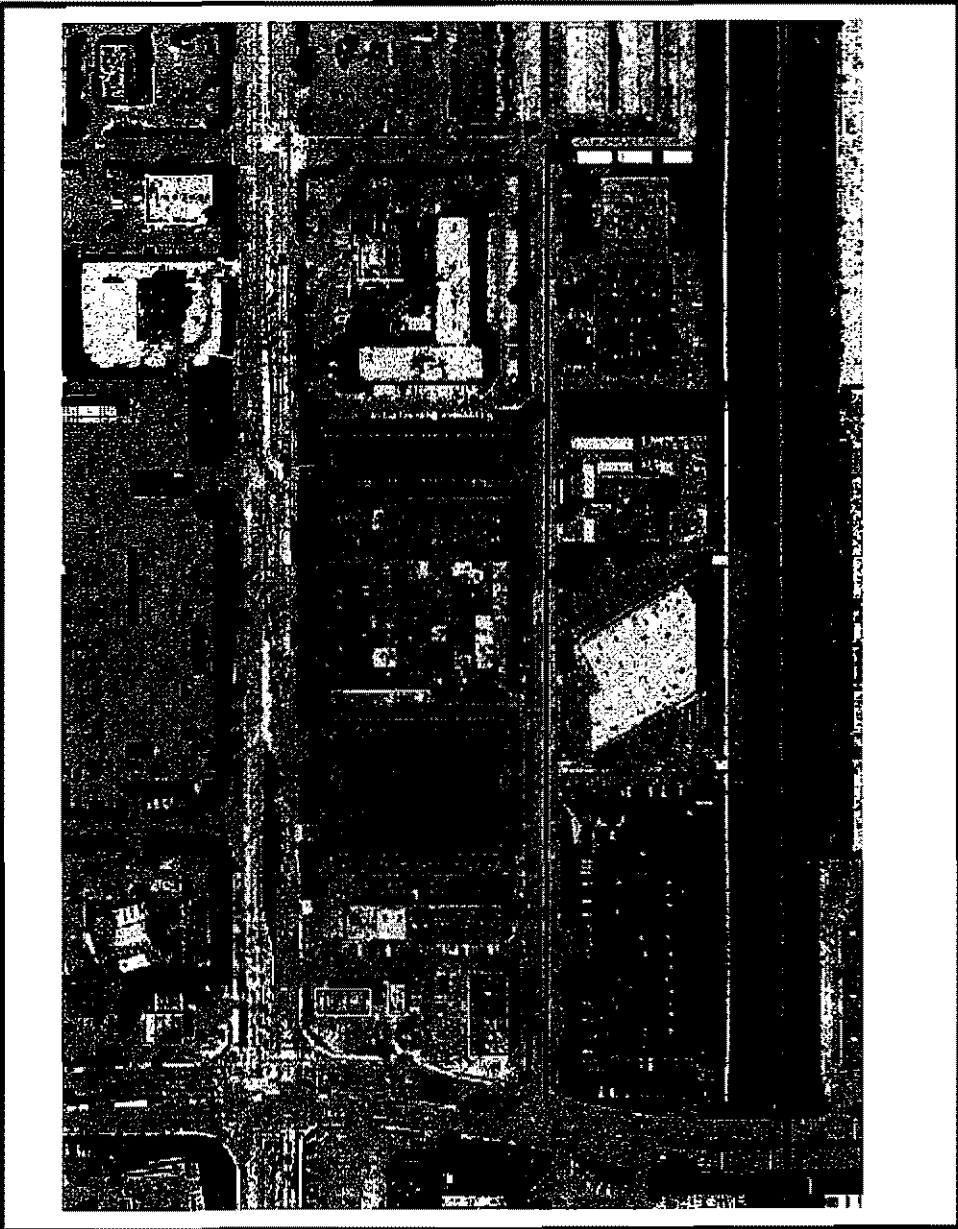
APPROVED AS TO FORM:

Carmen Moran, City Secretary

Ken Dipple, City Attorney

ESRI ArcExplorer 2.0

Centurion Way On Street Parking



Tuesday, Aug 5 2003

MULTI-USE PATH CONCEPT

MULTI-USE PATH

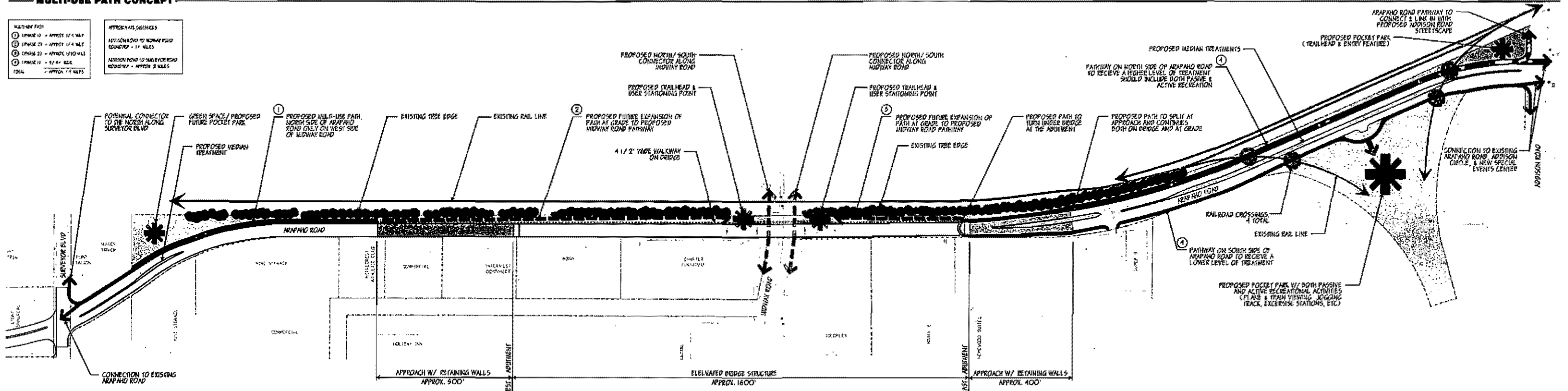
- ① PHASE 1 - APPROX. 1/4 MILE
- ② PHASE 2 - APPROX. 1/4 MILE
- ③ PHASE 3 - APPROX. 1/2 MILE
- ④ PHASE 4 - APPROX. 1/4 MILE

TOTAL - APPROX. 3/4 MILE

APPROACH SERVICES

SECTION 1010 TO NEARBY ROAD BOUNDARY - 1/4 MILE

SECTION 1020 TO NEARBY ROAD BOUNDARY - APPROX. 2 MILES

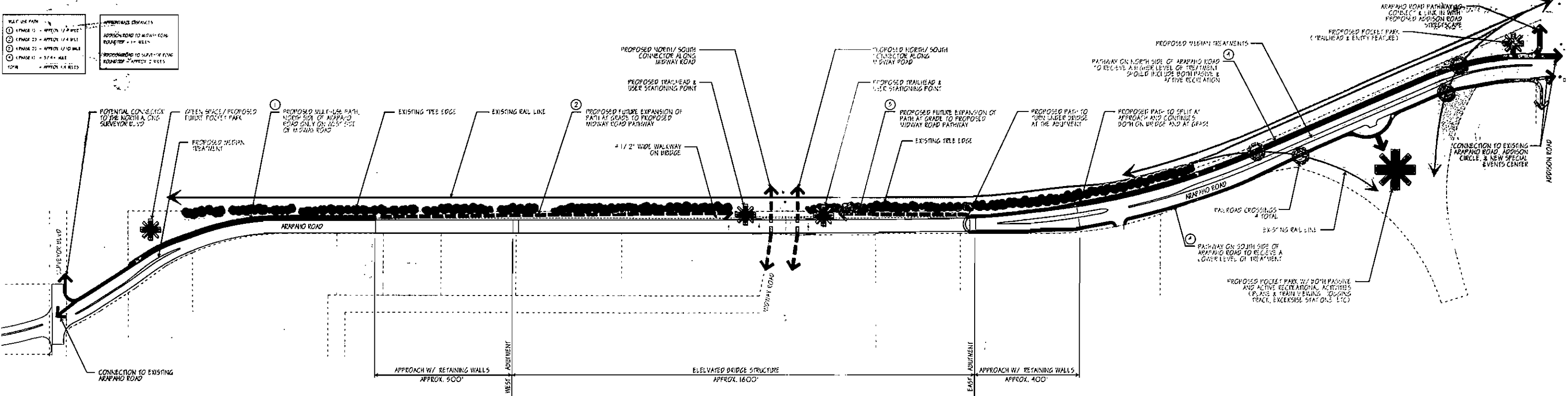


HNTB

ARAPAHO ROAD

MULTI-USE PATH CONCEPT

MULTI-USE PATH	APPROACHES
① PHASE 1 - APPROX. 1.2 MILES	APPROACH TO MIDWAY ROAD
② PHASE 2 - APPROX. 1.2 MILES	APPROACH TO MIDWAY ROAD
③ PHASE 3 - APPROX. 1.2 MILES	APPROACH TO MIDWAY ROAD
④ PHASE 4 - APPROX. 1.2 MILES	APPROACH TO MIDWAY ROAD
TOTAL	APPROX. 4.8 MILES



HNTB

ARAPAHO ROAD

SCALE 1"=100'-0"



The HNTB Companies

5910 West Plano Parkway, Suite 200 - Plano, Texas 75093 (972) 661-5826

LETTER OF TRANSMITTAL

Job No.	25768 DS 301
Date	

To: **Jim Pierce**
 Town of Addison
 16801 Westgrove Drive
 P.O. Box 9010
 Addison, Texas 75001-9010

Re: **Arapaho Phase 3**
65 % Submittal

WE ARE FORWARDING TO YOU:

NO. OF COPIES	SHEET NO.	LAST DATED	DESCRIPTION
4			½ size sets of Plans

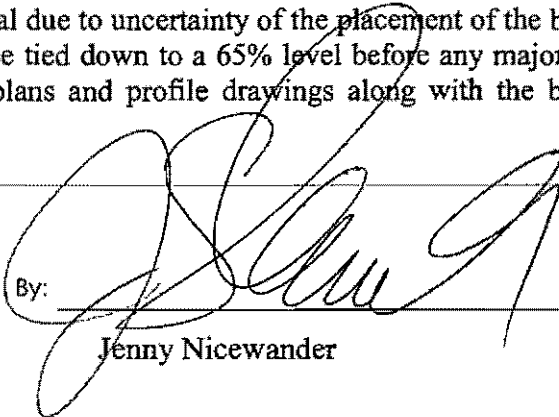
THESE ARE TRANSMITTED:

- For approval
 For your use
 As requested
 For review & comment

PLEASE NOTE:

- Bridge and structural retaining wall plans are at 30% complete
- Trail & Paving Layouts, Planting, and Irrigation plans are not included in this submittal. Coordination between Slade Stickland and Ron Whitehead has been ongoing. The overall layout for the sidewalk is still up in the air, it would be advantageous to wait until decisions for the overall look of the sidewalk have been made before beginning work on these plans.
- The box culvert profile was not included in this submittal due to uncertainty of the placement of the bridge piers and thrust blocks. G&A wanted the pier locations to be tied down to a 65% level before any major work was done on the box culvert profile. G&A will submit plans and profile drawings along with the bridge 65% submittal.

COPY TO:
 File, JDH,

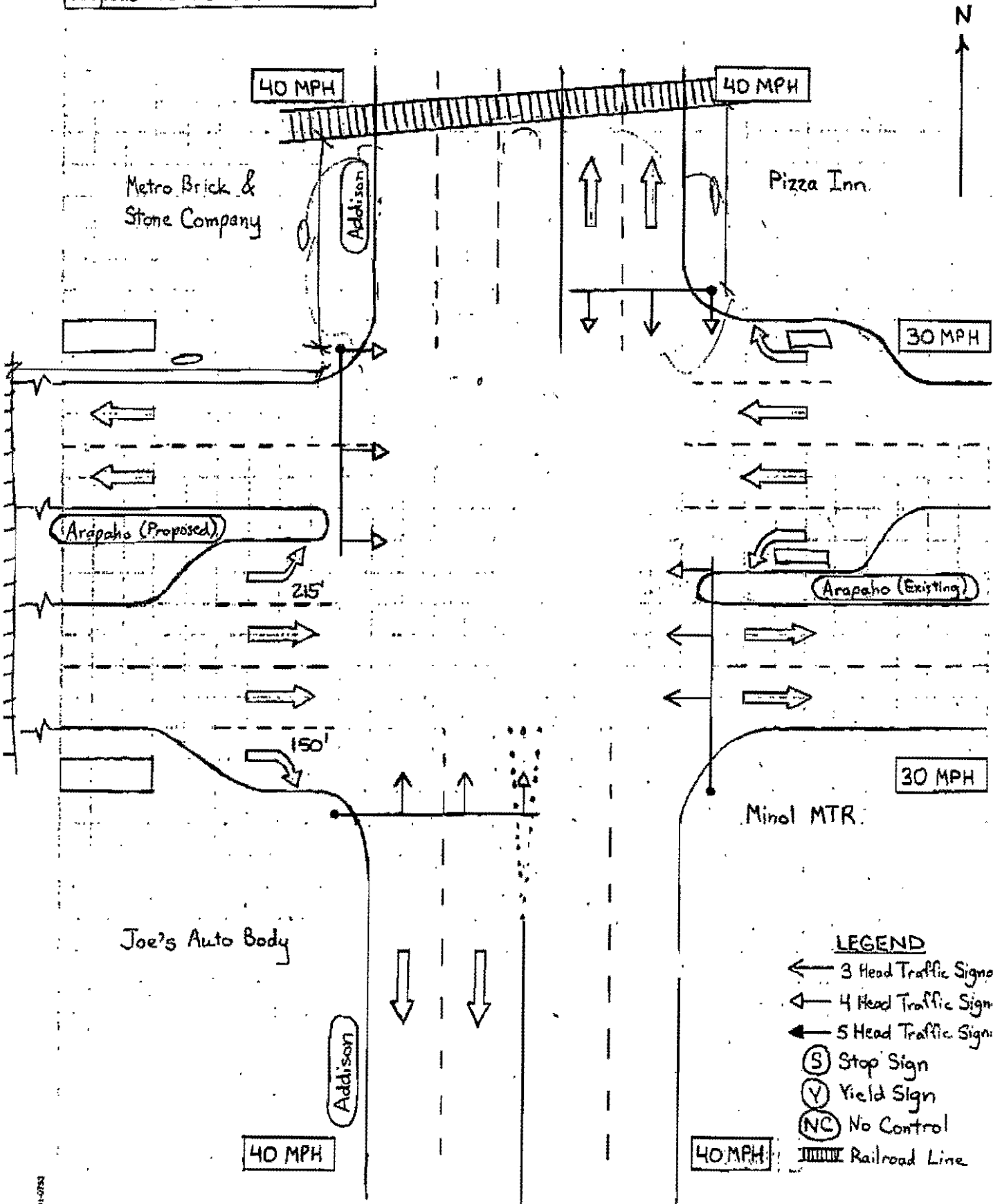
By: 
 Jenny Nicewander

HNTB

9726615614

06/13 '03 13:26 NO.028 02/02

HNTB <i>For HNTB Companies</i> For Arapaho - Phase III Arapaho and Addison	Made by THN	Date 6/13/02	Job Number 25768
	Checked by	Date	Sheet Number
	Backchecked by	Date	



HNTB

9726615614

06/13 '03 13:26 NO.028 01/02

HNTB*The HNTB Companies***Fax**
Transmittal

To	Steve Chutchian	Date	June 13, 2003
Firm	Town of Addison	Total Pages	2 (including this cover)
Fax #	(972) 450-2837	Job Number	25768 DS 302
From	Jenny Nicewander	<input type="checkbox"/>	High Resolution
		<input type="checkbox"/>	Urgent

Please notify sender at 972-661-5626 if pages are missing or if there is any transmission difficulty.

Message

Please verify the turning movements for the future north and south bound lanes on Addison Road. I just want to make sure I have the correct configuration. My drawing I showed you the other day was not very clear. Please mark up and fax back when you get a chance

Let me know if you have any questions

Jenny

**TOWN OF
ADDISON**

PUBLIC WORKS

To: MS. LIZ METTING

From: STEVE CHUTCHIAN

Company: HNTB

FAX #: 972-661-5614

Date: 6/5/03

No. of pages (including cover): 3

Phone: 972/450-2886

Fax: 972/450-2837

16801 Westgrove

P.O. Box 9010

Addison, TX 75001-9010

*Jup
Comments*

**Arapaho Road Phase 3
Proposed Sheet List for 65 % plans
May 20, 2003**

- Title Sheet (65 Percent)
- Notes (65 Percent)
- Quantities (50 Percent)
- Typical Sections (65 Percent)
- Survey/ Horizontal Control Plan (65 Percent)
- ROW plan (65 Percent)
- Removal Plans (65 Percent)
- Sequence of Construction (50 Percent)
 - *Traffic Control at Addison Road and Surveyor Boulevard*
 - *No Midway Road, wait on bridge design*
- Plan and Profile Sheets (65 Percent)
 - *Horizontal and vertical data*
 - *Proposed and existing grades*
 - *Right-of-Way lines*
 - *Utilities – Type, Size and Elevations shown on Plan View*
 - *Transition stationing*
- Intersection Layout/ Grading (65 Percent)
- Driveway Plan/Profiles (65 Percent)
- Parking Layout/ Grading (65 Percent)
- Paving Details (50 Percent)
- Bridge Layout (30 Percent)
- Retaining Wall Layouts (65 Percent)
- Permanent Signing and Striping (65 Percent)
 - *Proposed striping and buttons*
 - *Proposed location of crosswalks*
 - *General callouts (more detail with 95%)*
- SW3P Plans (65 Percent)
 - *Plan view*
 - *General Details / Notes*
- Drainage Area Map (65 Percent)
 - *Defined drainage areas*
 - *Drainage Area flow calculations*
 - *Schematic of Proposed Storm Sewer*
 - *No bridge drainage areas or inlets*
- Drainage/Storm Sewer Design (65 Percent)
 - *No detailed inlet calculations*
 - *Plan view*
 - *Pipe Sizes, Inlet Sizes*
 - *Proposed Slope*
 - *No bridge drainage design*
Due to the necessity of coordinating with the bridge foundation locations, proposed profiles will be completed with 65% bridge plans

Includes box culvert?

- Sanitary Sewer Relocation (65 Percent)
 - Plan view
 - Pipe sizes and slopes
 - General callouts

Due to the necessity of coordinating with the bridge foundation locations, proposed profiles will be completed with 65% bridge plans
- Lighting Layout (65 Percent)
 - Pole, conduit, power source locations
- Traffic Signal Plans (65 Percent)
 - Signal timing/phasing
 - Traffic signal layouts
- Trail & Paving Layout Plans (65 Percent)
 - Horizontal Layout & Materials (critical dim's & radii only, not coordinate correct)
 - Site & Trail Grading
- Planting Plans (65 Percent)
 - Layout & Materials
 - Plant Schedule
- Irrigation Plans (65 Percent)
 - Layout (Meter & Controller locations, Power source(s), Mainline Routing including Sleeve locations)
- Earthwork cross-sections (65 Percent)
 - Annotated w/ ROW line, slopes and elev. grids

Prelim profile

Need relocation "plans", or need for relocation for all utilities, not just san. sewer.

Details should be @ 65% and list others needed not shown

Laydown area / contractor access

Sawed joints layout plan

cost estimate?

Project Signs

How about a complete list of drawings with an indication of what will be submitted @ 65%?

HNTB

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)
5/5/03

PRODUCER
Lockton Companies
444 W. 47th Street, Suite 900
Kansas City Mo 64112-1906
(816) 960-9000

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.

INSURERS AFFORDING COVERAGE

INSURED
HNTB Corporation
5910 W. Plano Parkway, Suite 200
Plano, TX 75093

INSURER A: CONTINENTAL CASUALTY CO.
INSURER B: (VICTOR O. SCHINNERER)
INSURER C:
INSURER D:
INSURER E:

COVERAGES PC

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX FIRE DAMAGE (Any one fire) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ XXXXXXXX PRODUCTS - COMP/OP AGG \$ XXXXXXXX
	AUTOMOBILE LIABILITY <input 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	NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO	NOT APPLICABLE			AUTO ONLY - EA ACCIDENT \$ XXXXXXXX OTHER THAN EA ACC \$ XXXXXXXX AUTO ONLY: AGG \$ XXXXXXXX
	EXCESS LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> UMBRELLA FORM RETENTION \$	NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX \$ XXXXXXXX \$ XXXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	NOT APPLICABLE			WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	OTHER PROFESSIONAL LIABILITY	PLA 008213985	5/1/03	5/1/04	\$1,000,000 per claim & the annual aggregate for all projects

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS
HNTB Job 25768; Arapaho Road Extension - Phase II/III

CERTIFICATE HOLDER Town of Addison Public Works Department P.O. Box 144 Addison, TX 75001	ADDITIONAL INSURED; INSURER LETTER:	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE
--	--	---

Arapaho Road Phase 3
Proposed Sheet List for 65 % plans
May 20, 2003

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 - *Plan view*
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- Earthwork cross-sections (65 Percent)
 - *Annotated w/ ROW line, slopes and elev. grids*

ID	Task Name	Duration	Start	Finish	April 2003							May 2003											
					25	28	31	3	6	9	12	15	18	21	24	27	30	3	6	9	12	15	
1	TWO WEEK SCHEDULE	30 days	Wed 4/2/03	Tue 5/13/03																			
2	ELLIPSE	23 days	Mon 4/7/03	Wed 5/7/03																			
3	EXCAVATION OF WALKS	10 days	Mon 4/7/03	Fri 4/18/03																			
4	REINFORCED AREAS	7 days	Mon 4/21/03	Tue 4/28/03																			
5	ELECTRICAL UNDERGROUND	7 days	Mon 4/21/03	Tue 4/28/03																			
6	SPRINKLER SLEEVES	3 days	Mon 4/21/03	Wed 4/23/03																			
7	FORM WALKS	6 days	Wed 4/30/03	Wed 5/7/03																			
8	FOUNTAIN PLAZA	17 days	Mon 4/21/03	Tue 5/13/03																			
9	VAULT	17 days	Mon 4/21/03	Tue 5/13/03																			
10	EXCAVATION	1 day	Mon 4/21/03	Mon 4/21/03																			
11	FORM SLAB	3 days	Tue 4/22/03	Thu 4/24/03																			
12	REBAR / INSPECTION	1 day	Fri 4/25/03	Fri 4/25/03																			
13	POUR SLAB	1 day	Mon 4/28/03	Mon 4/28/03																			
14	FORM WALLS	4 days	Tue 4/28/03	Fri 5/2/03																			
15	REBAR	2 days	Mon 5/5/03	Tue 5/6/03																			
16	CLOSE WALLS	3 days	Wed 5/7/03	Fri 5/9/03																			
17	SLEEVES	1 day	Mon 5/12/03	Mon 5/12/03																			
18	POUR WALLS	1 day	Tue 5/13/03	Tue 5/13/03																			
19	WATER CHANNELS	19 days	Wed 4/2/03	Mon 4/28/03																			
20	FORM WALLS	5 days	Wed 4/2/03	Tue 4/8/03																			
21	FIXTURES	3 days	Wed 4/8/03	Fri 4/11/03																			
22	CLOSE WALLS	3 days	Mon 4/14/03	Wed 4/16/03																			
23	POUR WALLS	1 day	Thu 4/17/03	Thu 4/17/03																			
24	LOWER CHANNEL SLAB	7 days	Fri 4/18/03	Mon 4/28/03																			
25	MAINSTAGE	11 days	Thu 4/17/03	Thu 5/1/03																			
26	FORM RETAINING WALLS	3 days	Mon 4/21/03	Wed 4/23/03																			
27	REBAR	1 day	Thu 4/24/03	Thu 4/24/03																			
28	CLOSE WALLS	2 days	Fri 4/25/03	Mon 4/28/03																			
29	INSPECT	1 day	Tue 4/28/03	Tue 4/28/03																			
30	POUR	2 days	Wed 4/30/03	Thu 5/1/03																			
31	REBAR @ SLAB	3 days	Thu 4/17/03	Mon 4/21/03																			

Project: TWO WEEK SCHEDULE
Date: Thu 4/17/03

Task

Split

Progress

Milestone

Summary

Project Summary

External Tasks

External Milestone

Deadline

Steve Chutchian

From: Michael Murphy
Sent: Friday, April 18, 2003 4:25 PM
To: Randy Moravec
Cc: Bryan Langley; 'Cowles & Thompson (E-mail)'; Steve Chutchian; 'awashington@cowlesthompson.com'; 'kdipple@cowlesthompson.com'
Subject: Arapaho Road - Closings and condemnations

Randy,

Recently we have completed condemnation on two properties associated with the extension of Arapaho Road and are planning to close on the acquisition of another. Therefore, this email is to alert you to the needs resulting from these ROW acquisitions:

We need two checks cut- ASAP- for the following as a result of Commissioners Awards:

1. \$27,537.00 made payable to Dallas County, this is for Bullough/Lycos Office Building.
2. \$115,000. made payable to Dallas County, this is for 276 Trust/Gary Crouch.

I will put necessary paperwork in interoffice mail on Monday.

Secondly, we are planning to close on the Watson Taylor property on June 20, 2003 for the amount of \$1,583,210.

John Hill and I will discuss this with you in more detail at our next staff meeting.

Thanks for your prompt attention, please call with any questions.

Mike

Michael E. Murphy, PE
Director of Public Works

(972) 450-2878 Work
(214) 215-5280 Mobile
(972) 450-2837 Fax

E-Mail: mmurphy@ci.addison.tx.us

Michael Murphy

From: Michael Murphy
Sent: Tuesday, January 28, 2003 8:56 AM
To: 'Randy Stalnaker'
Subject: RE: FW: Arapaho Road in Addison - DWU 60 inch water main

Randy,

I will put the info together ASAP and have it delivered to your office.

Thanks...

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

From: Randy Stalnaker [mailto:rstalna@mail.ci.dallas.tx.us]
Sent: Monday, January 27, 2003, 5:03 PM
To: mmurphy@ci.addison.tx.us
Subject: Re: FW: Arapaho Road in Addison - DWU 60 inch water main

Mike,

Our staff has held several lengthy meetings on the Arapaho Road project since our meeting in your offices.

We have concluded that we will need a couple of items before we can make a decision. Could you please provide us with:

1. Documentation of the Right of Way that Addison has acquired showing that Addison has the right to use the property for the purpose of the project.
2. A set of plans for the project.

If you have any questions, please call me at 214-670-5887 or just reply to this email. We will work as quickly as possible to develop our response; we recognize the urgency of this project.

Thanks for your patience,
Randy Stalnaker

>>> <mmurphy@ci.addison.tx.us> 01/27/03 11:50AM >>>

Randy,

I was in hopes that we would have our project back on track by now. Do you have any new information for me?

Just a recap of our meeting 1/21/03 1.) Our engineers (HNTB and URS) have designed the footings for the bridge to withstand the scouring effects of the 60 inch main in case of a blow out, if DWU engineers would like to see the plans or add to them we would welcome their input. 2.) We have shown the plans to MASTEC Construction and they have assured us that during a worst case scenario leak on the 60 inch main, knowing the proximity of the water main, roadway and bridge structure, they could have the main repaired and back in service within 12 hours.

Obviously, we are willing to work with DWU to provide assurances and include design concepts that will satisfy your engineering and maintenance staffs, but we can't do this if we don't communicate and get the appropriate parties together. Obviously, the Town has a great deal at stake and this is a time sensitive project so any input or status report you could provide would be

Steve Chutchian

From: Michael Murphy
Sent: Tuesday, January 28, 2003 3:46 PM
To: Randy Moravec
Cc: Bryan Langley; Steve Chutchian
Subject: Arapaho Road Phase III ROW Acquisition

Randy,

John Hill has asked that I give you notice that we are very close (about 20 days out) to closing two deals as part of the Arapaho Road Phase III project.

The settled price for these two deals are: Watson Taylor : \$1,583,210
Charter Furniture: \$ 166,446

Please make the necessary arrangements to make this money available to Mr. Hill.

Thanks.....call with any questions.

Mike

Michael E. Murphy, PE
Director of Public Works
(972) 450-2878 Work
(214) 215-5280 Mobile
(972) 450-2837 Fax
E-Mail: mmurphy@ci.addison.tx.us



Date: January 8, 2003

G&A No. 0320-02

To: Steve Chutchian, P.E.

From: Bruce Grantham, P.E.

Re: Arapaho Phase III Drainage Calculations

We have performed the preliminary drainage calculations for the Arapaho Road Phase III project. This design memo presents the assumptions and findings of the drainage calculations.

The drainage calculations take into account detention which appears to be occurring on the Addison Airport property just upstream of Lindbergh Drive. A detailed analysis of the detention has not been performed due to lack of detailed topographic information in the area. However, calculations for the culverts under Lindbergh have been performed. The following is a summary of the calculations and findings for the Lindbergh culverts.

- There appears to be significant potential for detention on the Airport property.
- There have been no reports of water overtopping Lindbergh Drive.
- Lindbergh culverts: 4-27"x40" elliptical concrete culverts; 1-24" RCP.
- Calculations show a drainage area upstream of the Lindbergh culverts of 113 acres generating a runoff of 435 cfs.
- Under Inlet Control, the two sets of culverts release approximately 310 cfs assuming a headwater at the Lindbergh Drive top of pavement. Open areas in the immediate vicinity of the culvert outfalls generate an additional 10 cfs of runoff into the Lindbergh Channel.

It is estimated that, based on the time of concentration, a peak runoff reaches the Lindbergh culverts from the airport property at approximately 33 minutes. We believe that, once the peak flow reaches these culverts, detention begins to occur in the grassed swale areas at the south end of the airport.

Using a worst case scenario, in which the headwater at the culvert entrance reaches the Lindbergh pavement elevation, 310 cfs will be released until the storm water level recedes. Consequently, a modified CA (runoff coefficient * area) was calculated based on the release rate of 310 cfs plus the additional 10 cfs of minor runoff.

Attached to this memo are two summary tables. One shows the calculations without consideration for detention on the airport property and the other with consideration of detention. As can be seen in the attached summary tables, the detention on the airport property reduces the flow rate as follows:

Location	Discharge cfs		
	Without Detention	With Detention	Difference
Surveyor Culvert	1474	1374	100
Midway Culvert	1014	909	105

The attached tables summarize the flows for each drainage area as delineated in the alignment study for Arapaho Road. This study included a conceptual design of the Arapaho Road drainage system which will be finalized with the Arapaho Phase III project.

Surveyor Culvert

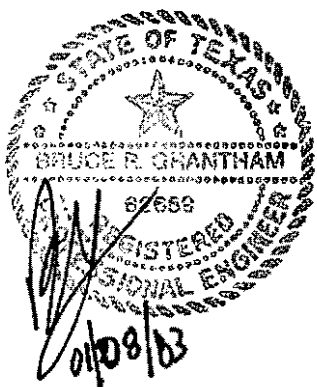
The existing culvert under Surveyor Boulevard consists of 3 - 66" diameter reinforced concrete pipes. The culvert is approximately 255 feet long. According to the surveyed flowlines, the slope is approximately 0.27%. Based on full-flow conditions, these culverts can convey approximately 525 cfs, which is approximately 875 cfs less than the 100-year flow at this location.

With the Arapaho Phase III project, we are proposing to make the culverts the downstream end of a closed storm sewer system. We are currently evaluating several alternatives for upsizing the drainage structure at Surveyor. Once we have completed our evaluation, the alternatives will be presented to the Town.

Mr. Greg Boyd has requested information concerning the discharge at the property immediately downstream of Surveyor Boulevard. He is considering enclosing the existing open drainage channel, which the 3 - 66" pipes at Surveyor discharge into, in order to provide the property with additional parking area. Based on the above preliminary analysis, the discharge at the property will be approximately 1400 cfs, with detention considered at the airport. Based on full-flow conditions and an existing channel slope of approximately 0.7% ±, Mr. Boyd should be able to install either 2 - 9' x 6' box culverts or 3 - 8' x 5' box culverts depending on his site limitations.

Should you have any questions regarding this analysis, please contact me.

Regards,

**Arapaho Road Extension
Phase II & III
Drainage Calculations**

THIS SPREADSHEET ASSUMES NO DETENTION ON THE AIRPORT PROPERTY

Drainage Area No.	Area (acres)	C100	DA CA	ΣCA	DA Tc (minutes)	Tc (minutes)	I100 (in/hr)	Q100 (cfs)	Structure
East of Midway Road, North of Railroad Track									
19A	113.00	0.70	79.10	79.10	33.0	33.0	5.50	435	
19B	58.70	0.70	41.09	120.19	21.0	39.5	5.05	607	
East of Midway Road, South of Railroad Track									
29C	77.10	0.65	50.12	50.12	12.9	12.9	8.02	402	
27,28	3.19	0.90	2.87	52.99	3.5	13.4	8.08	428	
29B	10.87	0.40	4.35	57.33	2.7	14.7	7.60	436	
24,25,26,29A	6.18	0.90	5.56	62.90	2.8	15.7	7.47	470	
20,21,22,23	19.85	0.90	17.87	80.76	4.0	18.4	7.04	569	
Sum of Property East of Midway Road				200.95		39.5	5.05	1014	Midway Culvert
West of Midway Road									
17,18	1.88	0.90	1.69	202.64	2.3	41.4	4.94	1000	
16	17.53	0.90	15.78	218.42	4.6	48.9	4.51	985	
13,14,15	9.55	0.90	8.60	227.02	5.3	42.1	4.89	1110	
12	67.57	0.90	60.81	287.83	7.4	42.8	4.83	1390	
10A,11A,11B, 11C	8.28	0.90	7.45	295.28	2.5	43.1	4.80	1416	
10B,11D	2.01	0.90	1.81	297.09	2.5	43.4	4.79	1422	
8,8B,9	12.61	0.90	11.35	308.44	3.7	43.6	4.78	1474	Surveyor Culvert
4,5,6,7	9.65	0.90	8.69	317.12	3.3	46.0	4.65	1475	Arapaho II Culvert

**Arapaho Road Extension
Phase II & III
Drainage Calculations**

THIS SPREADSHEET ASSUMES DETENTION ON THE AIRPORT PROPERTY USING A MODIFIED CA VALUE

Drainage Area No.	Area (acres)	C100	DA CA	Mod CA	ΣCA	DA Tc (minutes)	Tc (minutes)	I100 (in/hr)	Q100 (cfs)	Structure
East of Midway Road, North of Railroad Track¹										
19A ²	113.00	0.70	79.10	58.18	58.18	33.0	33.0	5.50	320	
19B	58.70	0.70	41.09		99.27	21.0	39.5	5.05	501	
East of Midway Road, South of Railroad Track										
29C	77.10	0.65	50.12		50.12	12.9	12.9	8.02	402	
27,28	3.19	0.90	2.87		52.99	3.5	13.4	8.08	428	
29B	10.87	0.40	4.35		57.33	2.7	14.7	7.60	436	
24,25,26,29A	6.18	0.90	5.56		62.90	2.8	15.7	7.47	470	
20,21,22,23	19.85	0.90	17.87		80.76	4.0	18.4	7.04	569	
Sum of Property East of Midway Road					180.03		39.5	5.05	909	Midway Culvert
West of Midway Road										
17,18	1.88	0.90	1.69		181.72	2.3	41.4	4.94	897	
16	17.53	0.90	15.78		197.50	4.6	41.9	4.91	970	
13,14,15	9.55	0.90	8.60		206.10	5.3	42.1	4.89	1008	
12	67.57	0.90	60.81		266.91	7.4	42.8	4.83	1289	
10A,11A,11B,11C	8.28	0.90	7.45		274.36	2.5	43.1	4.80	1316	
10B,11D	2.01	0.90	1.81		276.17	2.5	43.4	4.79	1322	
8,8B,9	12.61	0.90	11.35		287.52	3.7	43.6	4.78	1374	Surveyor Culvert
4,5,6,7	9.65	0.90	8.69		296.20	3.3	46.0	4.65	1377	Arapaho II Culvert

NOTES

¹Drainage Area 19 has been divided to better analyze the detention occurring on the airport property: 19A is the airport property, 19B is commercial property. See note 2 about the detention on the airport property.

²Drainage Area 19: This area includes the Addison Airport. The culverts under Lindbergh which drain the airport property are undersized. Calculations show the culverts to be acting under inlet control. There have been no reports of water over the road; therefore, it is assumed that detention is occurring on the airport property in the grass areas upstream of Lindbergh. To account for this detention, a Modified CA was determined using the released Q = 320 cfs from under Lindbergh, and the weighted C (0.63 in/hr) and the Area of the airport (113 acres); therefore, the modified CA is 58.18.

FOR ADDITIONAL DETAIL, SEE DESIGN MEMO.

Facsimile Transmittal

Date: January 9, 2003From: **Grantham & Associates, Inc.**Fax To: Steve Chutchian

1919 S. Shiloh Rd.

Suite 310, L.B. 8

Of: Town of Addison

Garland, Texas 75042

Tel. (972) 864-2333

Fax# (972) 450-2837

Fax (972) 864-2334

Email: Info@grace.net

Ref: Arapaho Road Ph III Drainage# of Pages (including this sheet): 5Fax From: Katura Curry**Comments:**

Steve,

I am faxing to you a copy of the drainage memo on Arapaho Ph III. If you have any questions or would like to discuss the memo, please contact Bruce or me. An original will be mailed to you.

Thank you,





DESIGN MEMO

1919 S. Shiloh Rd., Suite 310, LB 8, Garland, TX 75042

Date: January 8, 2003

G&A No. 0320-02

To: Steve Chutchian, P.E.

From: Bruce Grantham, P.E.

Re: Arapaho Phase III Drainage Calculations

We have performed the preliminary drainage calculations for the Arapaho Road Phase III project. This design memo presents the assumptions and findings of the drainage calculations.

The drainage calculations take into account detention which appears to be occurring on the Addison Airport property just upstream of Lindbergh Drive. A detailed analysis of the detention has not been performed due to lack of detailed topographic information in the area. However, calculations for the culverts under Lindbergh have been performed. The following is a summary of the calculations and findings for the Lindbergh culverts.

- There appears to be significant potential for detention on the Airport property.
- There have been no reports of water overtopping Lindbergh Drive.
- Lindbergh culverts: 4-27"x40" elliptical concrete culverts; 1-24" RCP.
- Calculations show a drainage area upstream of the Lindbergh culverts of 113 acres generating a runoff of 435 cfs.
- Under Inlet Control, the two sets of culverts release approximately 310 cfs assuming a headwater at the Lindbergh Drive top of pavement. Open areas in the immediate vicinity of the culvert outfalls generate an additional 10 cfs of runoff into the Lindbergh Channel.

It is estimated that, based on the time of concentration, a peak runoff reaches the Lindbergh culverts from the airport property at approximately 33 minutes. We believe that, once the peak flow reaches these culverts, detention begins to occur in the grassed swale areas at the south end of the airport.

Using a worst case scenario, in which the headwater at the culvert entrance reaches the Lindbergh pavement elevation, 310 cfs will be released until the storm water level recedes. Consequently, a modified CA (runoff coefficient * area) was calculated based on the release rate of 310 cfs plus the additional 10 cfs of minor runoff.

Attached to this memo are two summary tables. One shows the calculations without consideration for detention on the airport property and the other with consideration of detention. As can be seen in the attached summary tables, the detention on the airport property reduces the flow rate as follows:

Location	Discharge cfs		
	Without Detention	With Detention	Difference
Surveyor Culvert	1474	1374	100
Midway Culvert	1014	909	105

The attached tables summarize the flows for each drainage area as delineated in the alignment study for Arapaho Road. This study included a conceptual design of the Arapaho Road drainage system which will be finalized with the Arapaho Phase III project.

Surveyor Culvert

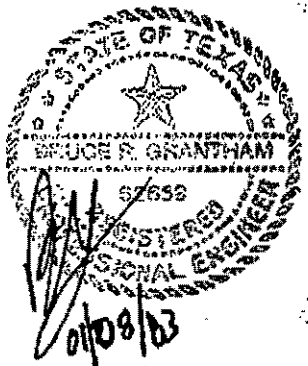
The existing culvert under Surveyor Boulevard consists of 3 - 66" diameter reinforced concrete pipes. The culvert is approximately 255 feet long. According to the surveyed flowlines, the slope is approximately 0.27%. Based on full-flow conditions, these culverts can convey approximately 525 cfs, which is approximately 875 cfs less than the 100-year flow at this location.

With the Arapaho Phase III project, we are proposing to make the culverts the downstream end of a closed storm sewer system. We are currently evaluating several alternatives for upsizing the drainage structure at Surveyor. Once we have completed our evaluation, the alternatives will be presented to the Town.

Mr. Greg Boyd has requested information concerning the discharge at the property immediately downstream of Surveyor Boulevard. He is considering enclosing the existing open drainage channel, which the 3 - 66" pipes at Surveyor discharge into, in order to provide the property with additional parking area. Based on the above preliminary analysis, the discharge at the property will be approximately 1400 cfs, with detention considered at the airport. Based on full-flow conditions and an existing channel slope of approximately 0.7% ±, Mr. Boyd should be able to install either 2 - 9' x 6' box culverts or 3 - 8' x 5' box culverts depending on his site limitations.

Should you have any questions regarding this analysis, please contact me.

Regards,

**Arapaho Road Extension
Phase II & III
Drainage Calculations**

THIS SPREADSHEET ASSUMES NO DETENTION ON THE AIRPORT PROPERTY

Drainage Area No.	Area (acres)	C100	DA CA	Σ CA	DA Tc (minutes)	Tc (minutes)	I100 (in/hr)	Q100 (cfs)	Structure
East of Midway Road, North of Railroad Track									
19A	113.00	0.70	79.10	79.10	33.0	33.0	5.50	436	
19B	58.70	0.70	41.09	120.19	21.0	39.5	5.05	607	
East of Midway Road, South of Railroad Track									
29C	77.10	0.65	50.12	50.12	12.9	12.9	8.02	402	
27,28	3.19	0.90	2.87	52.99	3.5	13.4	8.08	428	
29B	10.87	0.40	4.35	57.33	2.7	14.7	7.60	436	
24,25,26,29A	6.18	0.90	5.56	62.90	2.8	15.7	7.47	470	
20,21,22,23	19.85	0.90	17.87	80.76	4.0	18.4	7.04	569	
Sum of Property East of Midway Road				200.95		39.5	5.05	1014	Midway Culvert
West of Midway Road									
17,18	1.88	0.90	1.69	202.64	2.3	41.4	4.94	1000	
16	17.53	0.90	15.78	218.42	4.6	48.9	4.51	985	
13,14,15	9.55	0.90	8.60	227.02	5.3	42.1	4.89	1110	
12	67.57	0.90	60.81	287.83	7.4	42.8	4.83	1390	
10A,11A,11B,11C	8.28	0.90	7.45	295.28	2.5	43.1	4.80	1416	
10B,11D	2.01	0.90	1.81	297.09	2.5	43.4	4.79	1422	
8,8B,9	12.61	0.90	11.35	308.44	3.7	43.6	4.78	1474	Surveyor Culvert
4,5,6,7	9.65	0.90	8.69	317.12	3.3	46.0	4.65	1475	Arapaho II Culvert

Arapaho Road Extension
Phase II & III
Drainage Calculations

THIS SPREADSHEET ASSUMES DETENTION ON THE AIRPORT PROPERTY USING A MODIFIED CA VALUE

Drainage Area No.	Area (acres)	C100	DA CA	Mod CA	ΣCA	DA Tc (minutes)	Tc (minutes)	I100 (in/hr)	Q100 (cfs)	Structure
East of Midway Road, North of Railroad Track ¹										
19A ²	113.00	0.70	79.10	58.18	58.18	33.0	33.0	5.50	320	
19B	58.70	0.70	41.09		99.27	21.0	39.5	5.05	501	
East of Midway Road, South of Railroad Track										
29C	77.10	0.65	50.12		50.12	12.9	12.9	8.02	402	
27,28	3.19	0.90	2.87		52.99	3.5	13.4	8.08	428	
29B	10.87	0.40	4.35		57.33	2.7	14.7	7.50	436	
24,25,26,29A	6.18	0.90	5.56		62.90	2.8	15.7	7.47	470	
20,21,22,23	19.85	0.90	17.87		80.76	4.0	18.4	7.04	569	
Sum of Property East of Midway Road					180.03		39.5	5.05	909	Midway Culvert
West of Midway Road										
17,18	1.88	0.90	1.69		181.72	2.3	41.4	4.94	897	
16	17.53	0.90	15.78		197.50	4.6	41.9	4.91	970	
13,14,15	9.55	0.90	8.60		206.10	5.3	42.1	4.89	1008	
12	67.57	0.90	60.81		266.91	7.4	42.8	4.83	1289	
10A,11A,11B,11C	8.28	0.90	7.45		274.36	2.5	43.1	4.80	1316	
10B,11D	2.01	0.90	1.81		276.17	2.5	43.4	4.79	1322	
8,8B,9	12.61	0.90	11.35		287.52	3.7	43.8	4.78	1374	Surveyor Culvert
4,5,6,7	9.65	0.90	8.69		296.20	3.3	46.0	4.65	1377	Arapaho II Culvert

NOTES

¹Drainage Area 19 has been divided to better analyze the detention occurring on the airport property: 19A is the airport property, 19B is commercial property. See note 2 about the detention on the airport property.

²Drainage Area 19: This area includes the Addison Airport. The culverts under Lindbergh which drain the airport property are undersized. Calculations show the culverts to be acting under inlet control. There have been no reports of water over the road; therefore, it is assumed that detention is occurring on the airport property in the grass areas upstream of Lindbergh. To account for this detention, a Modified CA was determined using the released Q = 320 cfs from under Lindbergh, and the weighted C (0.63 in/hr) and the Area of the airport (113 acres); therefore, the modified CA is 58.18.

FOR ADDITIONAL DETAIL, SEE DESIGN MEMO.

URS

Facsimile

To: STEVE CHUTCHIAN

Firm: ADDISON

Facsimile: 972.450.2837

From: CLIFF HAN

Date: 1/14/03

Page 1 of : 3

Subject: ARAPAHO RD BRIDGE

Message: STEVE,


NOTES ON DWU MEETINGS
FOR YOUR INFO.

cc: _____

URS Corporation
3010 LBJ Freeway, Suite 1320
Dallas, TX 75234
Tel: 972.406.6850
Fax: 972.406.6951
www.urscorp.com

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URS**Memorandum**

Date: January 14, 2003
To: Steve Chutchian, P.E.
From: Cliff R. Hall, P.E. 
Subject: *Arapaho Road Bridge - Meetings with DWU*

The following is a chronology of meetings regarding the discussions we had relative to Arapaho Road, bridge and roadway, with respect to Dallas Water Utilities' (DWU) 60" water main taken from my notes and recollections

Date: November 30, 2002
Location: Addison Service Center
Attendees: Addison, DWU, HNTB, URS

- HNTB and URS presented to DWU the Arapaho Road project and the issues of the close proximity of the retaining wall and bridge to DWU's 60" water main.
- Discussion ensued regarding the limits that the retaining wall and bridge foundations could be constructed, in relation to the water main.
- DWU advised that drilled shaft foundations needed to maintain a 3 ft clear dimension from the outside of the water main.
- DWU was concerned about the retaining wall being too close to the pipe (about 8 to 10 ft) as it would cause additional pressure on the pipe and a break in the pipe could wash out the retaining wall.
- HNTB discussed the use of soldier piles or a drilled shaft retaining wall to alleviate the above concern. DWU was agreeable to this solution, provided the 3 ft clear limitation was followed.

Date: December 8, 2002
Location: Addison Service Center
Attendees: Addison, HNTB, URS

- HNTB and URS presented options for addressing the issue of the 60" water main.
- For the bridge, URS presented straddling the water main with a footing, relocating the water main and moving the sidewalk outside of the arch to push the drilled shaft farther away from the water main. Addison recommended pursuing the latter.



- For the retaining wall, HNTB proposed a cantilevered and removable sidewalk. They also proposed using the box culvert as a "footing" for the retaining wall.
- It was decided that URS and HNTB should meet with DWU to discuss the options and get approval from DWU for an 8 ft sidewalk partially overhanging the pipe 17 to 20 ft above the ground at the arch bridge section and for the removable sidewalk at the retaining wall section..

Date: December 12, 2002
Location: HNTB's office
Attendees: HNTB, URS, DWU

- HNTB and URS presented DWU options for the retaining wall and bridge as discussed in the December 8 meeting.
- DWU advised that the retaining wall option with removable sidewalk was acceptable. DWU also advised that the sidewalk on the bridge could overhang the pipe if it was also removable.
- DWU advised that they might just want to relocate the watermain themselves. DWU advised that it could be relocated before Arapaho Road construction commenced. DWU also advised that at an approximate cost of \$1.5 million dollars that they could afford to relocate the main.

Date: January 9, 2003
Location: Addison Service Center
Attendees: Addison, HNTB, URS, DWU

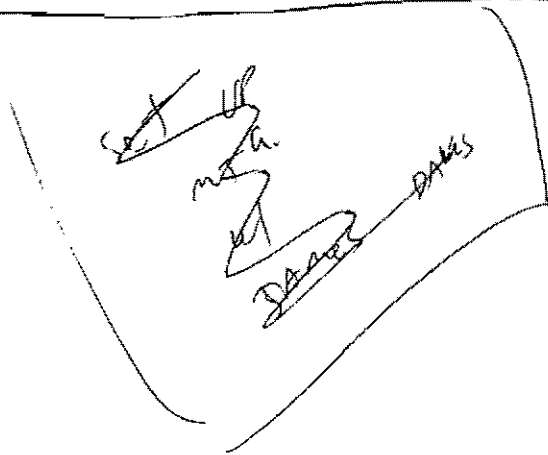
- DWU advised that they could not allow vertical construction in their easement.
- DWU proposed two options to Addison: 1) move the roadway to the south outside of their easement or 2) pay for the relocation of their water main.
- DWU estimated the cost of a new water main (not including pavement replacement, easements or ROW cost) at about \$2.5 million.
- DWU advised that this decision was made by management and the DWU representatives at the meeting could not change it. DWU advised that Charlie Stringer and Chuck Mumm were responsible for the decision.
- HNTB questioned why roughly 20 ft of easement would not be sufficient for maintaining the water main. DWU's response was that new construction requires a 60 ft easement for this size pipe and DWU's current requirements will not allow them to accept vertical construction on their current easement.

TOTAL ^{TOWN} OWNERSHIP OF LIGHTS + METER THEM TO!

ALL STREET LIGHTS SHOULD BE METERED WITHIN R.O.W. - ACAPATLAH
ADRIAN RO
SPECTRUM

~~HOW MANY~~

HOW MANY PILES + CUMBERS + WHAT IS THE WATTAGE





The HNTB Companies

Fax
Transmittal

To ~~Cliff Hall, PE~~ *Copy to: Steve Chatchian
Luke Selbert* Date December 12, 2002

Firm ~~URS~~ *ADDISON* Total Pages 5 (including this cover)

Fax # ~~972-991-7665~~
450-2837 Job Number 25768-DS-301

From Jerry Holder High Resolution
 Urgent

Please notify sender at 972-661-5626 if pages are missing or if there is any transmission difficulty.

Message

Cliff, here is the traffic data that we have. I would encourage you to get a copy of the Kimley-Horn traffic study on Beltline for additional information. Also, DFWINFO.COM has existing counts for much of the area. Good Luck.

Jerry



Fax

Transmittal

To	Cliff Hall, PE	Date	December 12, 2002
Firm	URS	Total Pages	5 (including this cover)
Fax #	972-991-7665	Job Number	25768-DS-301
From	Jerry Holder	<input type="checkbox"/>	High Resolution
		<input type="checkbox"/>	Urgent

Please notify sender at 972-661-5626 if pages are missing or if there is any transmission difficulty.

Message

Cliff, here is the traffic data that we have. I would encourage you to get a copy of the Kimley-Horn traffic study on Beltline for additional information. Also, DFWINFO.COM has existing counts for much of the area. Good Luck.

Jerry

Alternative Alignments (cont'd)

The narrowest portion of the alignment is between the MNBA building and the DART right-of-way where 81 feet is available. Although there are no franchise utilities to contend with, a 60-inch Dallas Water Utility (DWU) transmission main is located in a 30-foot easement adjacent to the railroad. A concrete-lined channel is also located along this alignment between Midway Road and the Town of Addison water tower.

Given the potential access and cost benefits associated with the DART railroad alignment, a more in-depth evaluation of its viability was conducted.

2.4 Traffic Analysis

At this point in the study, the project team reviewed traffic assignments for the year 2020 which were prepared by the North Central Texas Council (NTCOG) of Governments for five alternatives for the Arapaho Road Extension. Two of these alternatives included entry and exit ramps at Midway Road, one with entry/exit ramps on the north side only and a second with entry/exit ramps on the south side only. These alternatives are described below,

- xviii) "No Build" Alternative -- what is the impact on adjacent streets if Arapaho Road is not extended?
- ii) "At-Grade" Alternative -- Arapaho Road extended with the Midway Road intersection at grade.
- iii) "Grade-Separated" Alternative -- Arapaho Road extended with a grade separation at Midway Road without entry/exit ramps.
- iv) "Ramps on the North Side" Alternative -- Arapaho Road extended with a grade separation at Midway Road and entry/exit ramps on the north side of Arapaho Road.
- v) "Ramps on the South Side" Alternative -- Arapaho Road extended with a grade separation at Midway Road and entry/exit ramps on the south side of Arapaho Road.

2.4.1 Projected Traffic Volumes

The following table presents a summary of projected traffic impacts for the extension of Arapaho Road on Belt Line Road and Midway Road assuming that the Keller Springs tunnel is in service.

Alternative Alignments (cont'd)

TRAFFIC VOLUME COMPARISON (PROJECTED DAILY TRAFFIC VOLUMES BY YEAR 2020)

SEPARATED	↓				
	NO BUILD	AT GRADE	GRADE SEPARATED	GRADE SEPARATED WITH RAMPS ON NORTH SIDE	GRADE WITH RAMPS ON SOUTH SIDE
ARAPAHO ROAD					
Addison to Midway	-	24,000	13,000	18,000	28,000
Midway to Surveyor	-	6,000	13,000	17,000	17,000
BELT LINE ROAD					
Addison to Midway	58,000	53,000	54,000	46,000	50,000
Midway to Surveyor	47,000	46,000	42,000	42,000	45,000
MIDWAY ROAD					
North of Arapaho	52,000	36,000	44,000	44,000	32,000
South of Arapaho	58,000	57,000	44,000	50,000	60,000
South of Belt Line	-	52,000	46,000	47,000	52,000

2.4.2 Evaluation of Traffic Volumes

The existing congestion on Belt Line Road and Midway Road supports an extension of Arapaho Road. Traffic already backs up on Midway Road from Belt Line Road to north of the DART railroad much of the day; consequently, an at-grade crossing of Arapaho Road at Midway Road may not be feasible without providing dual-coordination of the traffic signals along Midway and Belt Line Roads. The grade separated scenarios, with or without ramps, all reduce traffic on Belt Line and Midway Roads with the exception of the section of Midway Road between proposed Arapaho Road and Belt Line Road with ramps on the south side.

For the grade separated scenario without ramps, year 2020 volumes on Belt Line Road are projected to be approximately 5,000 vehicles per day (vpd) less with Arapaho Road extended. Volumes on Midway Road are projected to be reduced by 8,000 to 12,000 vpd. Arapaho Road is projected to carry 13,000 vpd from Addison Road to Marsh Lane if no entry or exit ramps are installed at Midway Road.

According to the projected traffic volumes, the extension of Arapaho Road can be constructed as a four-lane undivided roadway if no entry or exit ramps are installed at Midway Road. It should be noted that even though these traffic studies contain a large margin for error, they do serve to support the grade separated configuration with no ramps at Midway Road.

Very stiff to hard clay was encountered in the borings to depths ranging from approximately 2 to 9 feet. The clays were highly plastic, with liquid limits ranging between 52 and 73 percent, and plasticity indices ranging between 30 and 44 percent. The clays were underlain by tan weathered limestone. In Borings B-1, B-4, and B-6 the tan weathered limestone extended to the boring termination depths. In Borings B-2, B-3, and B-5 the tan weathered limestone extended to depths ranging from 7 to 10 feet, and was underlain by gray unweathered limestone below that depth range.

4.2 GROUNDWATER CONDITIONS

The borings were advanced using continuous flight augers. This method of boring advancement allows the observation of the initial zones of seepage. Seepage water was not encountered during drilling or at drilling completion. It is not possible to accurately predict the magnitude of subsurface water fluctuations that might occur based upon short-term observations. The subsurface water conditions are subject to change with variations in climatic conditions and are functions of the subsurface soil conditions.

5.0 PAVEMENT RECOMMENDATIONS

5.1 PAVEMENT DESIGN

A pavement analysis was performed using the Pavement Analysis Software (Version 5.0) of the American Concrete Pavement Association. This computer program is based on the AASHTO Guide for Design of Pavement Structures, published by the American Association of State Highway and Transportation Officials. A description of the traffic loading, design parameters used in the analysis, and the resulting recommended pavement section is presented in the following sections.

5.2 DESIGN TRAFFIC LOADING

It is understood that an Average Daily Traffic (ADT) of 20,000 vehicles per day (vpd) is anticipated for the proposed roadway and that up to 15 percent of this traffic will be from trucks. It is also understood that the Average Daily Traffic is an average for the life of the pavement and that it includes any anticipated traffic growth. The design period for the pavement is 30 years.

2030

The design lane was designed using 50 percent of the estimated daily traffic. The design lane traffic loading was calculated using a directional distribution factor of 0.5 and a lane distribution factor of 1.0. The resulting ADT for the design lane was 10,000 vpd.

Information regarding the type and distribution of the heavily loaded vehicles was not available. Truck distribution for use in design was therefore based upon data supplied by the Highway Statistics Division of the Federal Highway Administration. The following traffic distribution was assumed for design. The project traffic engineer should review the assumed truck distribution to confirm that it is representative of the anticipated loading.

TABLE 1 – DESIGN LANE TRAFFIC VOLUME

VEHICLE TYPE	PERCENT OF ADT	DESIGN LANE TRAFFIC VOLUME
Automobile	85.0	8,500 vpd
Single-unit Trucks; 2 axles and 4 tires	12.9	1,290 vpd
Single-Unit Trucks; 2 axles and 6 tires	1.65	165 vpd
Multi-Unit Trucks; 4-axle	0.15	15 vpd
Multi-Unit Trucks; 5-axle	0.3	30 vpd

5.3 PAVEMENT DESIGN PARAMETERS

Pavement design parameters used to develop the recommended concrete pavement sections are presented in Table 2. Design parameters are presented for Portland cement concrete pavement over a (1) cement treated permeable base with drains, (2) cement treated base, and (3) lime stabilized subgrade.

Steve Chutchian

To: dmcswain@dallascounty.org
Subject: Araphao Rd., Ph. III Schedule

David - the following is our anticipated schedule for the Arapaho Rd., Phase III project. The project limits are Surveyor Blvd. to Addison Rd.

Initiate demolition of several structures within project limits	May 2002
Bid letting for construction	July 2002
Begin construction	August 2002
End construction	January 2004

Should you require any additional information, please let me know.

Steve Chutchian

SIGN IN SHEET

10-30-02

Arapaho Road Phase III

Coordination Meeting with DWU

Name	Agency	Phone
Jim Pierce	Town of Addison	972-450-2879
DAN BECKER	HNTB Corp.	972-661-5626
Jenny Newander	HNTB Corp	972- 86 628-3104
Liz Maffing	HNTB	972 628-3109
ERICK STEITIE	DWU	214 948 4643
Randy Nelson	DWU	214 948-4622
Shane Craft	DWU	214-670-8963
Steve Hardy	DWU	(214) 948-4248
Cliff Hall	URS	972.406.6950
Steve CHUTCHIAN	TOWN OF ADDISON	972-450-2886
Jerry Holder	HNTB	972-661-5626

SIGN IN SHEET

10-30-02

Arapaho Road Phase III

Coordination meeting with DWU

Name	Agency	Phone
Jim Pierce	Town of Addison	972-450-2879
DAN BECKER	HNTB Corp.	972-661-5626
Jenny Nickwanger	HNTB Corp	972- 866 628 3104
Liz Maffey	HNTB	972 628-3109
ERICK STEITIE	DWU	214 948 4643
Randy Nelson	DWU	214 948-4622
Shane CRAFT	DWU	214 670-8963
Steve Hardy	DWU	(214) 948-4248
Cliff Hall	URS	972.406.6950
Steve CHUTCHIAN	TOWN OF ADDISON	972-450-2886
Jerry Holder	HNTB	972-661-5626

MEMORANDUM

TO: Mike Murphy, Director
Department of Public Works

FROM: Angela K. Washington

RE: Arapaho and Addison Road Projects

DATE: September 5, 2002

We discussed this morning altering the process for acquiring the various tracts involved in the Arapaho and Addison Road Projects. To confirm, the proposed process is as follows:

- If a counter-offer is received for a parcel, staff would examine the offer to determine its acceptability and feasibility.
- If the offer is not acceptable or is not feasible, staff would then negotiate with the property owner and attempt to reach an agreement that is acceptable.
- If an agreement cannot be reached, our office would prepare a condemnation resolution to be scheduled for Council consideration.
- If an agreement is reached, our office will prepare a contract setting forth the terms of the agreement.
- The contract would then be forwarded to the owner for review with a statement informing the owner that the agreement is subject to Council approval.
- If the owner disagrees with any wording contained in the contract, our office would discuss with staff, or the owner if necessary, wording changes that are acceptable to both parties.
- Once the owner signs off on the contract, staff would schedule the agreement for Council consideration.
- If the Council makes changes to the terms of the contract, the contract would be amended as directed by Council and presented to the owner for acceptance or rejection.

If you have any additional thoughts or comments, please let us know.

c: Steve Chutchian
Ken Dippel
John Hill



City of Dallas
Property Management

FAX COVER PAGE

Date: July 22, 2002 (3:51PM)

If there are any problems with the receipt of the documents, call the sender directly at the number below or (214) 948-4100.

Number of total pages in this transmission: **6**

TO: Luke Jalbert
Public Works Department
Town of Addison

FAX #: 972 450 2837

FROM: Orlando Alameda
Senior Real Estate Specialist

FAX #: 214-948-4083

ALTERNATE #: 214-948-

email: oalamed@ci.dallas.tx.us

PHONE #: 214-948-4159

SUBJECT: Arapaho Road Dedication
Log # 25877
Field Note Revisions

COMMENTS:

Please have your surveyor make the requested revisions and forwarded to me 2 original copies at your earliest convenience. Please let me know if you have any questions.

320 E. JEFFERSON BLVD.

DALLAS, TEXAS

75203

214-948-4100

***** CONFIDENTIALITY NOTICE *****

This Fax Cover Sheet and the documents, if any, accompanying it, contain confidential information which is legally privileged. The information is intended only for the use of the recipient named above. If you have received this fax in error, please immediately notify us by telephone to arrange for return of the original documents to this office. You are hereby notified that any disclosures, copying, distribution or the taking of any action in reliance on the contents of this fax information is strictly prohibited!

Memorandum**RECEIVED**

JUL 22 2002

PROPERTY MANAGEMENT

CITY OF DALLAS

DATE July 15, 2002

TO Orlando Alameda
Property Management DepartmentSUBJECT Arapaho Street Dedication of Roadway Easement
Log No. 25877 Block No. A Lot 1

We have reviewed the one (1) set of revised field notes for the subject project and find the following revisions need to be made prior to approval:

The **second THENCE** paragraph on page 1 of 2 and the **first THENCE** paragraph on page 2 of 3 "... 5/8 inch iron rod set in the **proposed** South right-of-way line of Arapaho Road;" Cite in the metes and bounds description as **NEW right-of-way** line.

The **Locator Map** should be cited as the metes and bounds description "**NEW**".

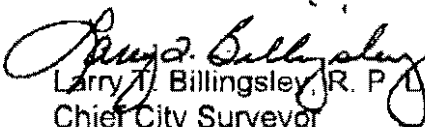
The survey plat should be on plain **8 1/2" X 11" white bond paper**, signed, sealed and dated by a Registered Professional Land Surveyor.

We are forwarding a **RED-UP** copy of the field notes to assist with the revisions.

Please make these changes and all necessary changes to the field notes.

We will need to review two (2) original copies of revised field notes and accompanying survey plat submitted on plain **8 1/2" X 11" white bond paper**, signed, sealed and dated by a Registered Professional Land Surveyor.

If you have any questions or need further assistance, please contact Patrick Pippin or Terry D. King at 214-948-4144 in Room 318 of the Oak Cliff Municipal Center.


Larry J. Billingsley, R. P. L. S.
Chief City Surveyor


TDKIK

Memos/25877DC2.

Parcel 4
Field Note Description
Arapaho Road
Roadway Easement
Town of Addison
Dallas County, Texas

BEING a description of a 0.0256 acre (1,114 square foot) tract of land situated in the Edward Cook Survey, Abstract Number 326, Town of Addison, Dallas County, Texas, and being a portion of a called 19.01 acre tract of land conveyed to the City of Dallas as evidenced by deed dated August 5, 1958 and recorded in Volume 4942, Page 629 of the Deed Records of Dallas County, Texas, also being a portion of Lot 1, Block A of Beltwood Reservoir, an addition to the Town of Addison as evidenced by plat dated August 2, 1989 and recorded in Volume 90012, Page 3386 of said Deed Records, said 0.0256 acre tract of land being more particularly described by metes and bounds as follows;

BEGINNING at a 5/8 inch iron rod found for the common Northwest corner of said Lot 1, Southwest corner of a roadway easement dedicated by said plat of Beltwood Reservoir, and Southeast corner of a 60 foot wide right of way dedication as evidenced by the plat of Addison Restaurant Park, an addition to the Town of Addison, dated March 9, 1988 and recorded in Volume 88066, Page 4219 of said Deed Records, said point also being in the East line of said Addison Restaurant Park, and the East line of a called 4.1525 acre tract conveyed to Heritage Inn Number XIII dated January 24, 1997 and recorded in Volume 97018, Page 00073 of said Deed Records;

THENCE, NORTH 80°11'36" EAST (called SOUTH 80°49'50" WEST); departing said lines and along the common North line of said Lot 1 and South line of said roadway easement, a distance of 10.82 feet (called 10.57 feet) to a 5/8 inch iron rod set for the beginning of a tangent curve to the left;

THENCE, NORTHEASTERLY, continuing along said common line and along the arc of said curve having a radius of 1,270.00 feet, a central angle of 4°22'46", a chord bearing North 78°00'13" East for 97.05 feet, for an arc distance of 97.07 feet to a 5/8 inch iron rod set in the ~~proposed~~ South right of way line of Arapaho Road;

Delete

New

PARCEL 4 - ARAPAHO ROAD
ROADWAY EASMENT

New
Deleter

THENCE, SOUTH $66^{\circ}22'04''$ WEST, departing said common line and along said ~~proposed~~ South right of way line of Arapaho Road, a distance of 30.71 feet to a 5/8 inch iron rod set for the point of curvature of a tangent curve to the right;

THENCE, SOUTHWESTERLY, continuing along said line and the arc of said curve having a radius of 1,177.92 feet, a central angle of $4^{\circ}03'26''$, a chord bearing South $68^{\circ}23'47'$ West for 83.39 feet, for an arc distance of 83.41 to a 5/8 inch iron rod set in the common West lines of said Lot 1 and said called 19.01 acre tract and East lines of said Addison Restaurant Park and said called 4.1525 acre tract;

THENCE, NORTH $00^{\circ}12'19''$ EAST (called SOUTH $00^{\circ}49'37''$ WEST), along said common line, a distance of 21.00 feet to the POINT OF BEGINNING;

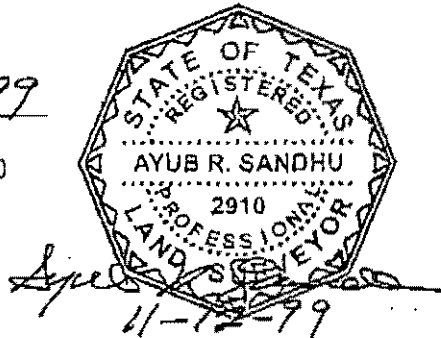
CONTAINING an area of 0.0256 acres or 1,114 square feet of land within the metes recited.

All bearings are referenced to the North Right of Way line of Centurion Way, called S $89^{\circ}51'55''$ E, according to the final plat of Lot 3, Surveyor Addition, Addison West Industrial Park, recorded in Vol. 77173, Page 135, Deed Records of Dallas County, Texas.

A plat of even survey date herewith accompanies this description.

I, Ayub R. Sandhu, a Registered Professional Land Surveyor, hereby certify that the legal description hereon and the accompanying plat represent an actual survey made on the ground under my supervision.

Ayub R. Sandhu 11-12-99
Ayub R. Sandhu, R.P.L.S.
Texas Registration No. 2910

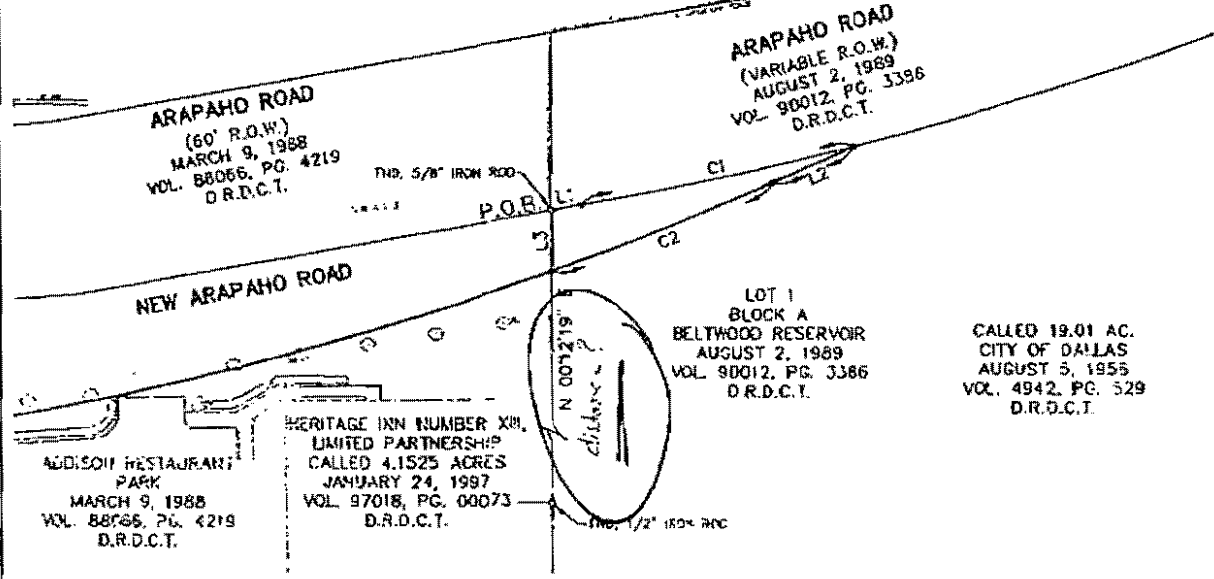




Survey Plat on $E \frac{1}{2}$ " x 11" White Bond?

LINE TABLE				
LINE	BEARING	CALLED	DIST	CALLED
L1	N 80°11'36" E	580'49'50"W	10.82'	10.57'
L2	S 66°22'04" W	-	30.71'	-
L3	N 00°12'19" E	500'49'37"W	21.00'	-

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	4°22'46"	1270.00'	97.07'	N 78°00'13" E - 97.05'
C2	4°03'26"	1177.92'	83.41'	S 68°23'47" W - 83.39'



EDWARD COOK SURVEY A-326

LOT 1
BLOCK A
BELTWOOD RESERVOIR
AUGUST 2, 1989
VOL. 90012, PG. 3386
D.R.D.C.T.

CALLED 19.01 AC.
CITY OF DALLAS
AUGUST 5, 1955
VOL. 4942, PG. 529
D.R.D.C.T.

HERITAGE INN NUMBER XIII,
LIMITED PARTNERSHIP
CALLED 4.1525 ACRES
JANUARY 24, 1997
VOL. 97018, PG. 04073
D.R.D.C.T.

ADDISON RESTAURANT
PARK
MARCH 9, 1988
VOL. 88066, PG. 4219
D.R.D.C.T.

ARAPAHO ROAD
ROADWAY EASEMENT
PARCEL 4
A PLAT OF A
0.0256 ACRE (1,114 S.Q. FT.)
TRACT OF LAND
IN THE EDWARD COOK SURVEY
ABSTRACT NO. 326
TOWN OF ADDISON
DALLAS COUNTY, TEXAS

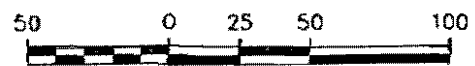
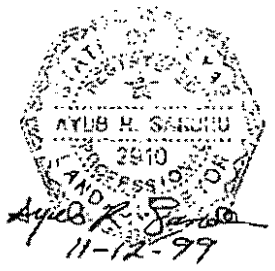
NOTES:

ALL EASEMENTS SHOWN ARE TAKEN FROM THE PLATS INDICATED HEREON. THE SURVEYOR DID NOT ABSTRACT THE SUBJECT PROPERTY SO ALL EASEMENTS MAY NOT BE SHOWN.

ALL BEARINGS ARE REFERENCED TO THE NORTH RIGHT OF WAY LINE OF CENTURION WAY, CALLED S 89°51'55" E, ACCORDING TO THE FINAL PLAT OF LOT 3, SURVEYOR ADDITION, ADDISON WEST INDUSTRIAL PARK, RECORDED IN VOL. 77173, PAGE 135, D.R.D.C.T.

A LEGAL DESCRIPTION OF EVEN SURVEY DATE HERewith ACCOMPANIES THIS PLAT.

- DENOTES A FOUND POINT AS INDICATED (CONTROLLING MONUMENTS)
- DENOTES A 5/8" IRON ROD SET UNLESS OTHERWISE NOTED
- NEW RIGHT OF WAY LINE



GRAPHIC SCALE
1 INCH = 50 FT.

07-22-02

15:02

FROM-PROPERTY MANAGEMENT

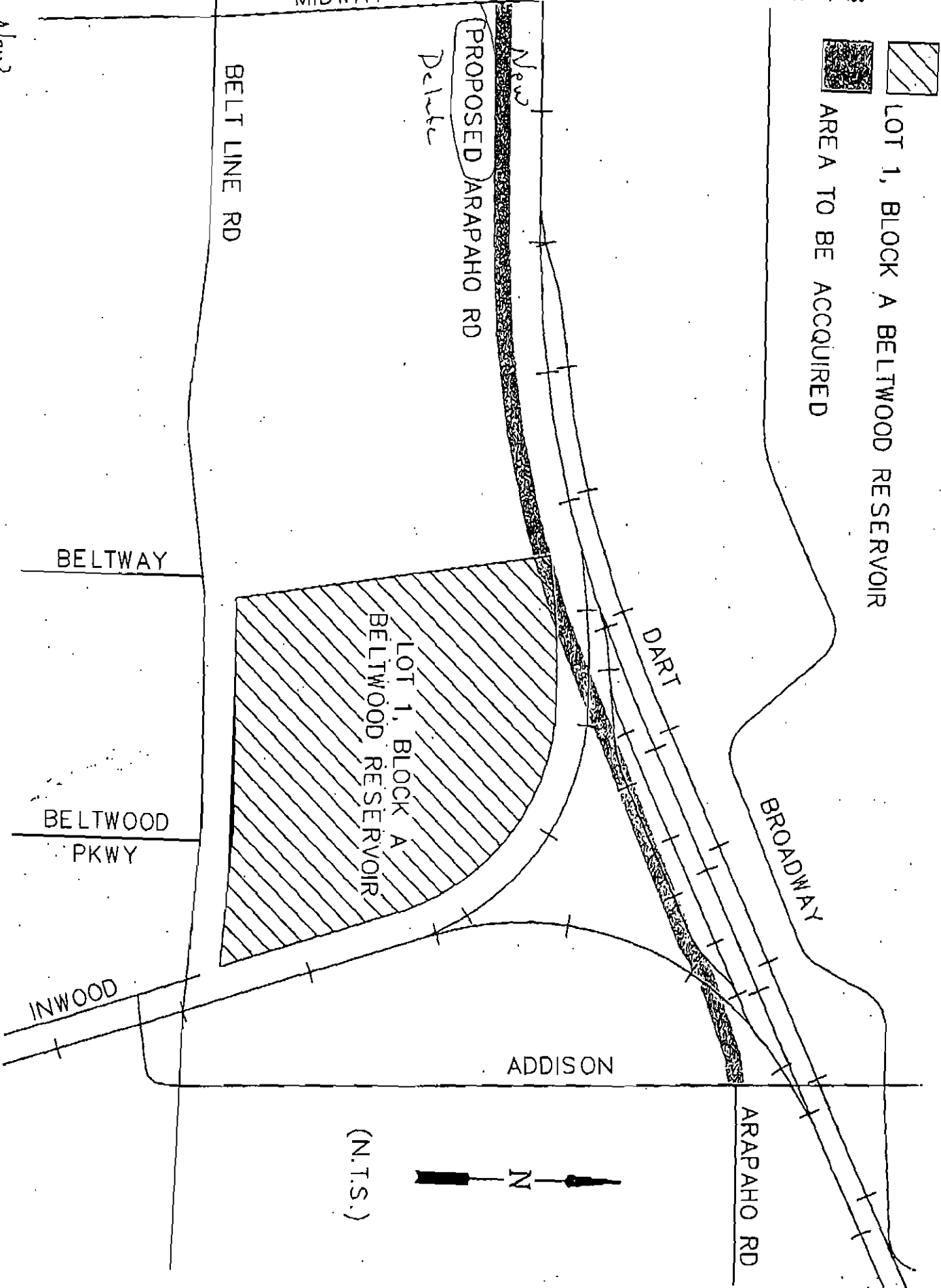
2189484083



T-489

P. 05/06

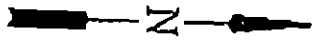
F-400

PROPOSED ARAPAHO ROAD CITY OF DALLAS LOCATION MAP



 LOT 1, BLOCK A BELTWOOD RESEVOIR
 AREA TO BE ACQUIRED

(N.T.S.)



5/2/02

PARCEL 1 - METRO BRICK

Council authorized an offer to Metro Brick Co., in the amount of \$103,032.00, on 6/26/01, for acquisition of entire parcel 1.

Offer letter sent from Ron Whitehead to Metro Brick Co., dated 7/16/01, in the amount of \$103,032.00.

Council authorized the City Attorney to enter into Eminent Domain Proceedings with Metro Brick Co. on 2/12/02.

A court hearing date has not been established at this time.

FILED SUIT { CANYON FOR DENNIS CALENDER WANTS
TO HELP SELECT COMMISSIONERS.

HEARING DATE NOT SET - 60-90 DAYS OUT.

PARCEL 2 - Joe's AUTO BODY

Council authorized an offer to owner (Kim Forsythe), in the amount of \$147,618, on 2/26/02, based on appraised value for r.o.w. taking on Arapaho Rd.

Attorney for Mr. Forsythe sent correspondence, dated 2/28/02, to Town and stated the actual valuation of the property is much higher.

In late March, 2002, Mark Hipes was asked to appraise 15211 Addison Road Joint Venture site (Kim Forsythe) with the proposed 20 ft. easement acquisition along Addison Road considered with the Arapaho Rd. taking. He responded with a revision to the total value of both takings in the amount of \$117,984.00.

A letter was prepared on April 2, 2002 to Kim Forsyth and it was forwarded to the City Attorney for review. The letter has not been sent to the owner.

Public Works staff is in the process of finding a third appraiser to perform an appraisal of the site.

Revisions to the legal description and map for the 20 ft. easement on Addison Rd., at Kim Forsythe and Oasis Car Wash properties, have been completed and are ready for submittal to the third appraiser.

★ → ASK JIM to DO NEW NEW APPRAISE
CALLER → GIVE JIM 30 DAYS to DO IT!
ONE BELOW ALREADY in R.O.W.

PARCEL 3

Property Acquired

PARCEL 4 - DALLAS WATER UTILITIES

Jim Pierce sent correspondence to Dallas Water Utilities, requesting their consideration of granting r.o.w. dedication or a permanent access easement. This request was forwarded to their Real Property Management Division for evaluation.

PARCEL 5 - HERITAGE INN

Property owner (Rick Larsen, @ 701-235-1167) contacted Steve C. and informed him that he lives in Fargo, North Dakota, and that he would not be available to meet with our staff.

Owner requested that property descriptions, maps, etc. be faxed to him for consideration. Pat Haggerty and Public Works staff have not initiated negotiations with owner at this time.

PUT NAME OF
BUSINESS IN EACH PARCEL

PARCEL 6² MOTEL 6

An introductory meeting held with property owner (Randy Lee), Ron Whitehead, and Public Works staff.
Pat Haggerty met with property owner and initiated negotiations for r.o.w. acquisition.

WAITING 2 WEEKS FOR RESPONSE

PARCEL 7 - CHARTER FURNITURE

Property owner (Bill Crepeau) served on Arapaho Rd. bridge committee, on 4/11/02, to select firm for design of bridge.

Pat Haggerty met with Mr. Crepeau and initiated discussions for r.o.w. acquisition, including discussion of appraised value of taking at \$450,000.

Mr. Crepeau responded to Town with correspondence, dated 4/29/02, and included his evaluation of the property value. He also submitted a counter offer of \$700,000 and several other provisions.

COUNTER OFFER TO BE DISCUSSED AT

→ HAVE JIM CULLER REVIEW & RESPOND TO CHARTER'S LETTER.
TO HIS QUESTIONS
ON APPRAISEL

M BNA

PARCEL 8

~~FOR~~ ~~FOR~~

Council authorized an offer to Gary Crouch, in the amount of \$225,000, based on appraised value.

An offer letter was sent to Mr. Crouch, dated 3/4/02, in the amount of \$225,000, with no offer for construction of a parking lot.

Mr. Crouch responded to the offer letter with correspondence, dated 3/12/02, that included numerous issues.

The attorney for Mr. Crouch sent letter to Ken Dippel, dated 3/26/02, and requested a meeting with Ron Whitehead, our appraiser, and Public Works staff.

Mr. Crouch sent letter to Ron Whitehead, dated 4/10/02, requesting meeting to discuss issues involving setback requirements and parking.

Mr. Crouch met with Ron Whitehead, Chris Terry and Public Works staff on 4/17/02 to discuss these issues.

City Attorney reviewed ordinances pertaining to setback requirements and determined that Mr. Crouch's property would not be damaged as a result of the bridge construction. Final offer letter sent to Mr. Crouch, from Ron Whitehead, dated 4/24/02, with a revised offer of \$62,381.00.

Council
APPROVED
RE FINE
COUNCIL
on 4/26/02
to RESOLVE
ISSUE

~~THEY ARE PROPOSING \$44,000~~

WAITING ON RESPONSE FROM THEIR ATTORNEY

PARCEL 9 - INTERVEST

Introductory meeting held with property owner (John Wilson), Ron Whitehead and Public Works staff on 4/09/02.

Pat Haggerty met with property owner and initiated negotiations for r.o.w. acquisition.

PARCEL 10 - HARBR A.R.P.!

Introductory meeting held with property owner (Dennis Coe), Ron Whitehead, and Public Works staff on 1/03/02.

Pat Haggerty met with owner and initiated negotiations for r.o.w. acquisition.

Public Works staff, HNTB staff, and Pat Haggerty met with owner on 4/30/02 to discuss acquisition of r.o.w. and promised to provide 2 alternatives for providing adequate parking to the site after the r.o.w. is acquired.

→ PROPOSED REUSED APPRAISAL FROM JIM
+ TAKE DAMAGES OFF CULLER!
FOR LACK OF PARKING!

PARCEL 11 - ALTOO CREST

Introductory meeting held with the property owner (Dale Bollough), and Public Works staff on 1/28/02.

Pat Haggerty met with owner and initiated negotiations for property acquisition.

Public Works staff, HNTB staff, and Pat Haggerty met with owner on 4/30/02 to discuss acquisition of r.o.w. and promised to provide a schematic of potential parking capabilities in the back of the property.

PARCELS 12 & 13

Introductory meeting held with Tracy Taylor, Ron Whitehead and Public Works staff. Pat Haggerty met with owners and forwarded the following comments to Ron Whitehead and Public Works staff:

- a. Ron Whitehead allegedly promised to provide multiple curb cuts at site, extend adjacent street to the north, and rebuild security wall around site.
- b. Stated a price to approximately \$3 million for property acquisition.

Council authorized an offer to Watson & Taylor, based on the appraised value.

Public Works staff prepared a "final offer" letter and submitted it for review by City Attorney.

City Attorney is in the process of revising letter prior to submittal to Watson & Taylor.

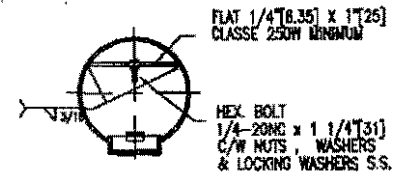
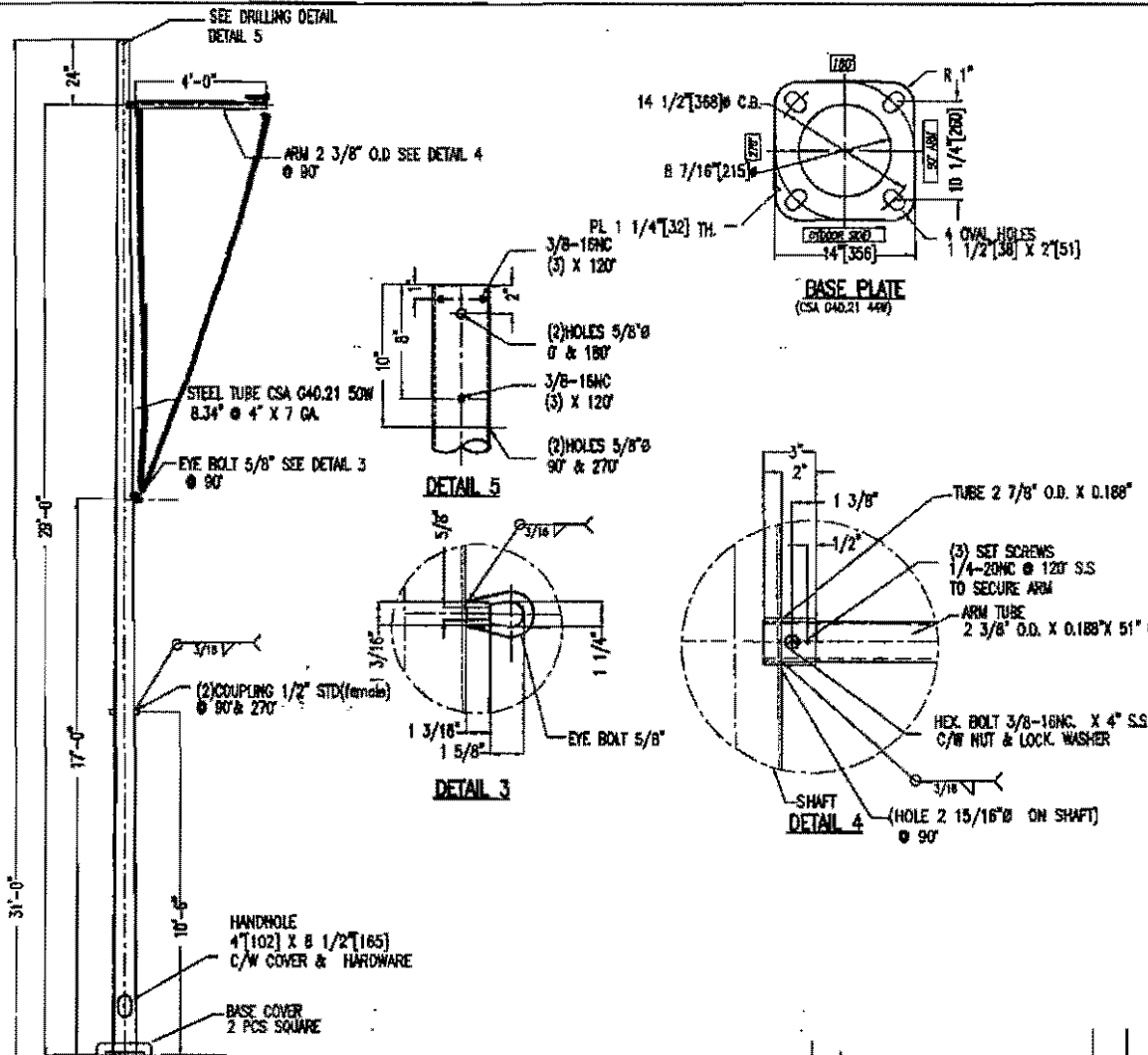
JIM CULLEN
CELL: 214-906-2323

→ ATTORNEY PREPARING OFFER LETTER TO WATSON & TAYLOR

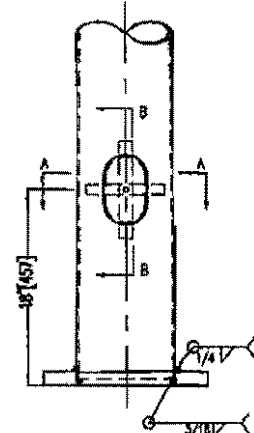
II SUP - FOR MINI STORAGE

→ TITLE COMMITMENT NEEDED

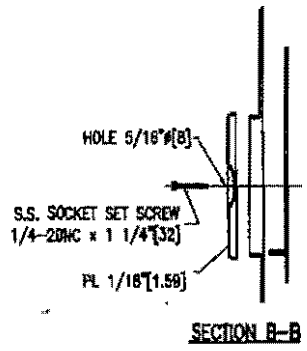
→ APPRAISOR WILL REUSE APPRAISAL



SECTION A-A



BOTTOM DETAIL



SECTION B-B

NO.	DATE	REVISIONS

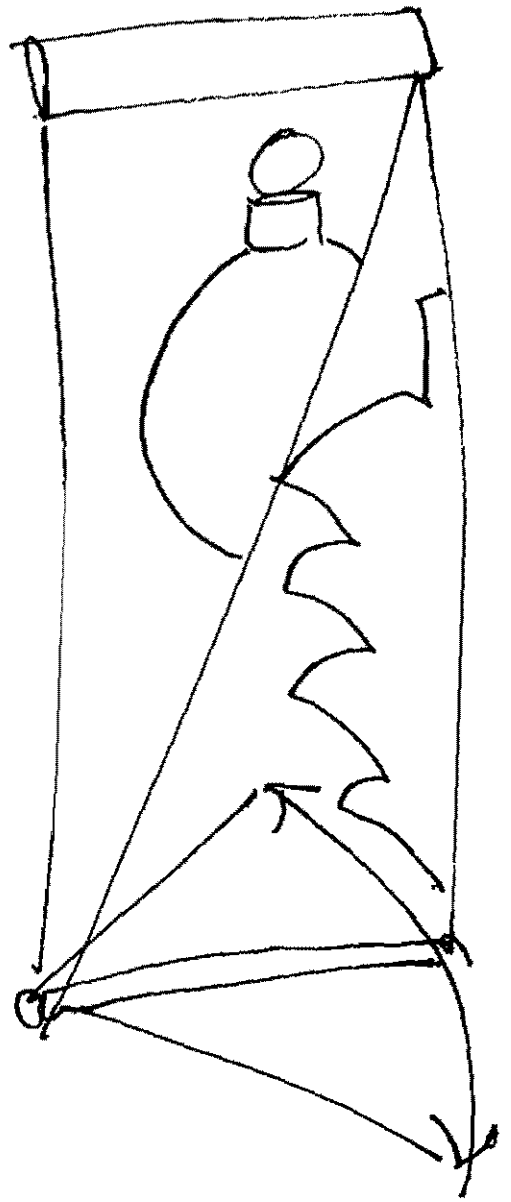
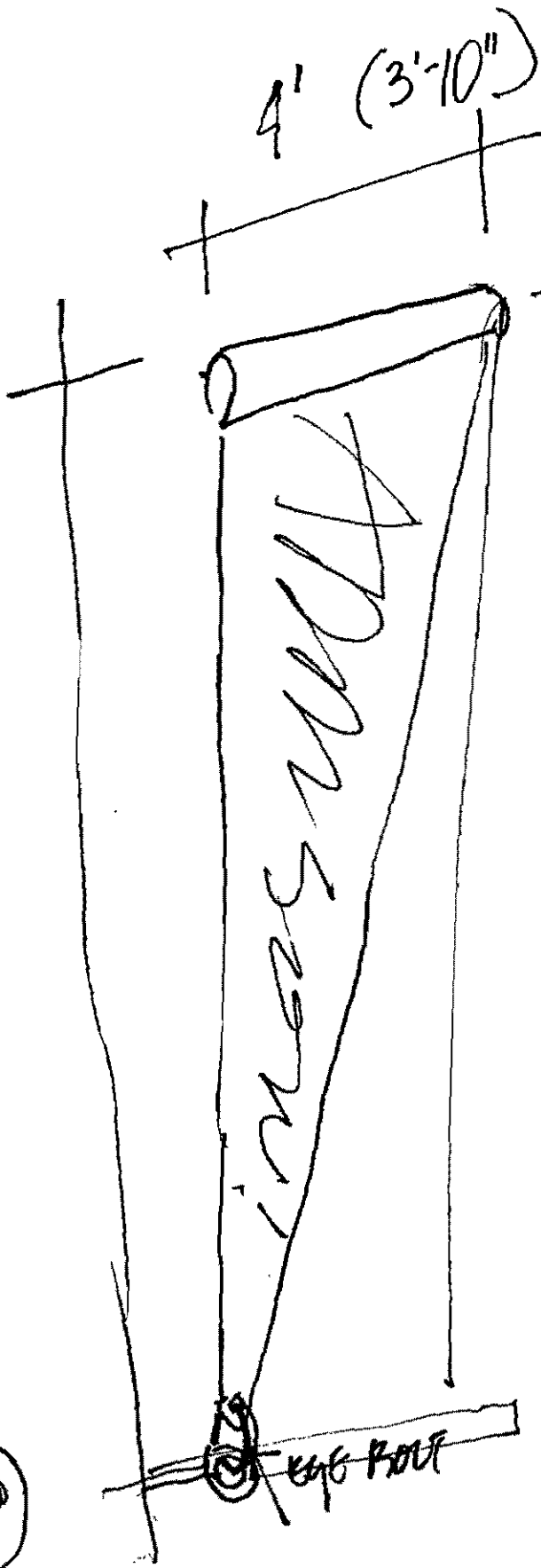
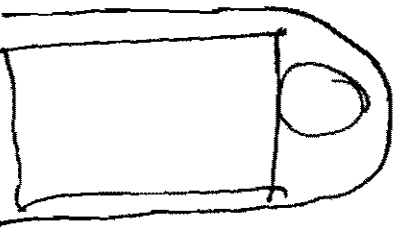
QUANT./QTY.	TRAVAIL/ORDER	ITEM #	MÉTAL PÔLE-LITE Inc. 1007 ROUTE EDWARD VS TEL: (480) 444-3851 ST-PIERRE, LANAUNE QUEBEC, CANADA FAX: (480) 444-3861 JDL 210
37	P28869	1	
Matière/MATERIAL			TITRE/TITLE
STEEL ASTM A-595			TAPERED STEEL POLE C/W ARM FOR BANNER
DIMENSIONS/STOCK SIZE			
FINI OIL-TREMPÉ/FINISH OR TEMPER			CAT. # -
PAINTED PUMBER GREY PRITCH # 2001M1			DR. & DATE
CLIENT/CUSTOMER			13.09.2004
LUMEC-SCHREDER			APP. <i>AR</i>
			NOV./SCALE # 3000 / DIM. #
			B35329

LEHT/LUMEC-SCHREDER/ACER/FUT/DECORATI/FUT ACER 8.34" x 4" x 0.188" + BRAS 4" x C.BASE

12'

4' (3'-10")

ACCOMMODATE A
2 3/8" PIPE / 1"
SUGGEST 2 1/4"



3102 W. Alton Ave.
Santa Ana, CA 92704



(714) 436-0705
(714) 436-0612 Fax
www.dekra-lite.com

FAX TRANSMISSION

FROM: George Livermore
Dekra-Lite
Phone: (714) 436-0705
Fax: (714) 436-0612
georgel@dekra-lite.com

TO: Jenny Nicewander
Town of Addison
P.O. Box 901016801 Westgrove
Phone: (972)450-6221
Fax: 972-450-2837

DATE: 11/12/04

PAGES: 2

SUBJECT: Banners

Thank you for your interest in our banner products, just to give you a little background on us:

OUR FIRM

Dekra-Lite is entering its 16th year of business in the Holiday Décor and Banner industry. We are a full-service firm offering a combination of an experienced sales staff, design team, and professional installation services. Dekra-Lite services over 1,200 shopping centers, 500 cities, and several major theme parks (including Disney, Sea World, and Universal Studios) each year.

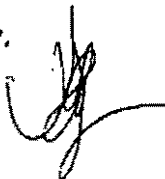
BANNER PROGRAM

Our digitally banners are printed on a industrial grade 13 oz vinyl fabric then they are double stitched back to back to give the banner a total fabric weight of 26oz. We also include re-enforced brass grommets and double stitched rod pockets. Our process uses inks specifically designed for banner use. This ink contains UV stabilizers and incorporates a polymeric base for longer fade resistance.

Please feel free to contact me with any questions about your banner program at 800-436-3627 or e-mail at georgel@dekra-lite.com.

Have a banner day,

George Livermore
Sales/Design
Dekra-Lite





DEKRA-LITE

3102 W. Alton Ave.
Santa Ana, CA 92704

Phone: (714) 436-0705
Fax: (714) 436-0612

www.dekra-lite.com

PROPOSAL PRP006757

DATE 11/12/2004

"The Light
Before Christmas"

BILL TO:
TOWN OF ADDISON
PO BOX 9010
ADDISON TX 75001-9010

SHIP TO:
TOWN OF ADDISON
16801 WESTGROVE
ADDISON TX 75001-9010

BARBARA COVASAVICH
PHONE (972) 450-6221 Ext. 0000
FAX (972) 450-2837 Ext. 0000

INSTALL DATE
REMOVAL DATE

PO Number	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
	ADD001	GL	UPS GROUND	50/50	12/7/2004	8,023
Quantity	Item Number	Description	UOM	Unit Price	Extended Price	
35	BNCUSTOM	Custom Banner 48"x144" Triangle DBL 4 color process digital banner printed on 13 oz on Industrial grade, Matte finish, block out vinyl. Then sewn back to back for a total fabric weight of 26oz. 3 season fade warranty.	Set	\$511.00	\$17,885.00	

*See attached
Picture for
example*

Please sign and fax to 714-436-0612

Subtotal \$17,885.00
Tax \$0.00
Freight \$210.00
Total \$18,095.00

We propose hereby to furnish product and/or labor—completely in accordance with above specifications, for the sum of

50% DEPOSIT DUE UPON ACCEPTANCE OF PROPOSAL

Amount Due Upon Acceptance of Proposal \$9,152.50

BALANCE AMOUNT DUE UPON INSTALLATION OR DELIVERY

Balance Due Upon Installation or Delivery \$8,942.50

General Terms: The parties agree to the following additional terms of this Contract.

A deposit of 50% is due upon execution of this Contract with the balance due on the installation date or delivery date unless specified above. All requested changes to the above-described work will be subject to additional charges. Cancellations and reductions are subject to a 30% restocking fee. Any amount not paid when due is subject to a late charge of 1.5% per month (18% per annum). Owner is responsible for providing and maintaining adequate electrical outlets adjacent to the proposed locations for decorations and building lights. Dekra-Lite is not responsible for any products damaged or lost due to vandalism, extreme weather conditions, or acts of God and will make efforts to replace such product for an additional charge. All dates specified are subject to change due to inclement weather. Dekra-Lite will replace any malfunctioning product but does not guarantee that each individual lamp will light during the entire installed period. This Contract is governed by California law and is the entire contract between the parties, superseding all prior conversations and writings between the parties. In the event of a dispute arising out of this Contract, the parties shall arbitrate in Orange County before a single arbitrator selected through J.A.M.S./ENDISPUTE. Any judgment upon the award rendered by the arbitrator may be entered in any court having jurisdiction thereof. The prevailing party in arbitration shall be entitled to its reasonable attorneys' fees and costs.

If not accepted within 10 days, this proposal may be withdrawn.

Dekra-Lite: _____

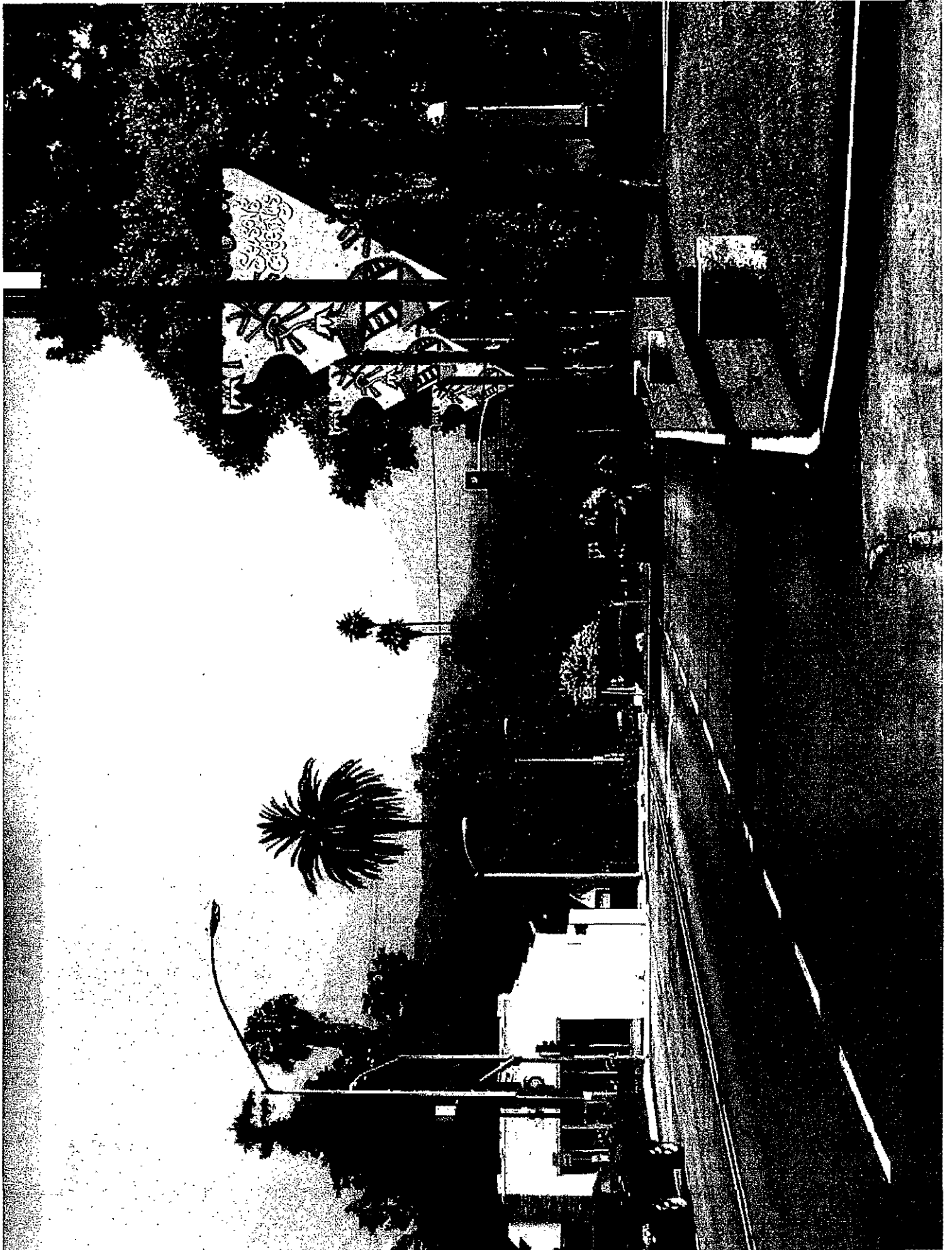
Acceptance of Proposal: The individual signing this Contract accepts the above Proposal and certifies to Dekra-Lite that he or she is authorized to enter into this Contract on behalf of Owner.

Property Owner: _____

Authorized Agent: _____

Date: _____

By: _____



Jenny Nicewander

From: Barbara Kovacevich
Sent: Thursday, November 11, 2004 9:13 AM
To: Jenny Nicewander
Cc: Liz Oliphant (E-mail)
Subject: RE: banners

MID DECEMBER

Dixie Flag; Kay Wolf; 800-356-4085; www.dixieflag.com → x19

Arnette Marketing; Betty Arnette; (210) 826-9700

Dekra-Lite; www.dekra-lite.com; 800-436-3627

Display Sales; 800-328-6195

Barbara

4' x 12' Triangle
~~RTA~~ email -
JENHART@DIXIEFLAG.COM
→

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

From: Jenny Nicewander
Sent: Thursday, November 11, 2004 8:49 AM
To: Barbara Kovacevich
Subject: banners

4' x 12'

could you send me the contact info you have for the banner people?

*Jenny Nicewander, P.E.
Project Manager
Town of Addison
Phone - 972-450-2860
Fax - 972-450-2837
Cell - 214-850-3645
Pager - 972-500-3192
Text Page 9725003192@page.metrocall.com*

DIXIE FLAG

RECTANGLE	TRIANGLE

ARNETT MARKETING, LLC

PROPOSAL/CONTRACT

**2137 Zercher Road
 San Antonio, Texas 78209
 (210) 826-9700 Office
 (210) 826-9084 Fax**

DATE	PROPOSAL #
11/17/2004	3539

NAME / ADDRESS
City of Addison Ms. Jenny Nicewander 16801 West Grove Addison, Texas 75001 972-450-2860 972-450-2837 FAX

SHIPPING ADDRESS		P.O. NO.	TERMS
QTY	DESCRIPTION	PRICE EACH	TOTAL
	OPTION III		
35	4' X 12' Custom Triangular Banners, Sunbrella Fabric, (color of your choice), Prints (1) Side, Prints (1) Color, With Imprint of Your Choice	187.55	6,564.25
1	Screen Prep Ink Set Up Charges per Color	184.00	184.00
	TOTAL OPTION III		6,748.25
	OPTION IV		
35	4' X 12' Custom Triangular Banners, Sunbrella Fabric, (color of your choice, Prints (1) Side, Prints (2) Colors, With Imprint of Your Choice	238.37	8,342.95
2	Screen Prep Ink Set Up Charges per Color	184.00	368.00
	TOTAL OPTION IV		8,710.95
	Prices Do Not Include Tax, Shipping, Installation, Electrical Requirements, etc.		
Please review and approve by signing below and return via fax # 210-826-9084		TOTAL	

SIGNATURE _____

ARNETT MARKETING, LLC**PROPOSAL/CONTRACT**

2137 Zercher Road
San Antonio, Texas 78209
(210) 826-9700 Office
(210) 826-9084 Fax

DATE	PROPOSAL #
11/17/2004	3539

NAME / ADDRESS
City of Addison Ms. Jenny Niccwander 16801 West Grove Addison, Texas 75001 972-450-2860 972-450-2837 FAX

SHIPPING ADDRESS		P.O. NO.	TERMS
QTY	DESCRIPTION	PRICE EACH	TOTAL
SPECIAL DISCOUNT PRICE			
	OPTION I		
70	4' X 12' Custom Triangular Banners, Sunbrella Fabric (color of your choice), Prints (1) Side, Prints (1) Color, With Imprint of Your Choice.	165.00	11,550.00
1	Screen Prep Ink Set Up Charges per Color	184.00	184.00
	TOTAL OPTION I		11,734.00
	OPTION II		
70	4' X 12' Custom Triangular Banners, Sunbrella Fabric, (color of your choice), Prints (1) Side, Prints (2) Colors, With Imprint of Your Choice.	193.60	13,552.00
2	Screen Prep Ink Set Up Charges per Color	184.00	368.00
	TOTAL OPTION II		13,920.00
Please review and approve by signing below and return via fax # 210-826-9084		TOTAL	

SIGNATURE _____

FAX**Date: 11/17/04****Number of Pages (3)**

To: City of Addison
Ms. Jenny Nicewander
Phone: 972-450-2860
Fax: 972-450-2837

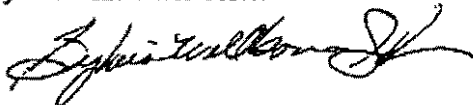
From Arnett Marketing LLC.
Ms. Betty Arnett, Owner
2137 Zercher Rd.
San Antonio, Texas 78209

Phone: 210-826-9700
Fax: 210-826-9084

We have quoted your banners in Sunbrella fabric as per your request.
If you should have any questions/or suggestions, please feel free to call us at
anytime.

Thank you so very much for giving us the opportunity to bid.

Submitted by:
Sylvia Willbourn-Salas



Jenny Nicewander

From: Jennifer Hartley [jenhart@dixieflag.com]
Sent: Friday, November 12, 2004 3:59 PM
To: Jenny Nicewander
Subject: RE:

Jenny,

Here is the info you requested.

The Sunbrella fabric has a 5 year color fast guarantee. I have also quoted it on regular nylon. I quoted it with both one and two colors.

Please feel free to call or e-mail if you have any questions.

Than you,

Jennifer

QUOTE:
12' x 4' triangular avenue banners

OPTION 1:

Single-ply Sunbrella background with printing 2-sides correct (light print on dark ground)

1 - color imprint (common to all)	35 banners @ \$120.00 each, net	= 4200
	70 banners @ \$110.40 each, net	= 7728
2 - color imprint (common to all)	35 banners @ \$159.60 each, net	
	70 banners @ \$143.60 each, net	
+ 1-time screen setup @ \$272.00 per color, net		

Double-ply Sunbrella background (required if a light or white background), as above:
ADD \$51.00 net per banner to the prices listed above.

OPTION 2:

3-ply Nylon background with printing 2-sides correct (light OR dark ground)

1 - color imprint (common to all)	35 banners @ \$131.20 each, net	
	70 banners @ \$124.8 each, net	
2 - color imprint (common to all)	35 banners @ \$166.40 each, net	
	70 banners @ \$ 155.20 each, net	
+ 1-time screen setup @ \$272.00 per color, net		

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

From: Jenny Nicewander [mailto:jnicewander@ci.addison.tx.us]
Sent: Thursday, November 11, 2004 10:23 AM
To: jenhart@dixieflag.com
Subject: FW:

here's what i have...

Jenny Nicewander, P.E.
Project Manager

Town of Addison
Phone - 972-450-2860
Fax - 972-450-2837
Cell - 214-850-3645
Pager - 972-500-3192
Text Page 9725003192@page.metrocall.com

This e-mail and any files or attachments transmitted with it contains Information that is confidential and privileged. This document may contain Protected Health Information (PHI) or other information that is intended only for the use of the individual(s) and entity(ies) to whom it is addressed. If you are the intended recipient, further disclosures are prohibited without proper authorization. If you are not the intended recipient, any disclosure, copying, printing, or use of this information is strictly prohibited and possibly a violation of federal or state law and regulations. If you have received this information in error, please delete it and notify Hamid Khaleghipour at 972-450-2868 immediately. Thank you.



APPROBATION DRAWING

Addison City (4206)

800, Curé Boivin
Bolsbriand, (Qué), Canada
J7G 2A7
Tel.: (450) 979-2747
(800) 498-8587
Fax: (450) 979-2749
www.lumecschröder.com

Qty	Type Luminaire	Roadway and Pedestrian HSX-400MHBT28-type III-VOLT-SCTX-LTS884A
-----	-------------------	--

HOUSING: Made of cast A383 aluminum alloy (as per Aluminum Association) 0.200 (5mm) minimum thickness c/w mounting provision for hardware.

LOCKING SYSTEM: Two spring loaded latches made of die cast aluminum and die cast zinc, permits tool free access to lamp and electrical component servicing.

LENS FRAME: Made of die cast A383 aluminum alloy.

REFLECTOR: Made of hydroformed 3002-0 aluminium alloy chemically brightened and anozided (5 micron min). The Sealsafe optical system is rated IP66 and offer a resistance of R>600.

SLEEVE: Die cast glass-reinforced resin, mechanically fastened to reflector and fully silicone gasket.

SHUTTER: Injection molded glass fiber reinforced polymer. Removable with a quarter turn c/w Porcelain body lampholder, 4kV Mogul Base c/w a injection molded silicone gasket (duro 60 shore A). Adjustment to obtain the various IES distribution is tool-less. Distribution type: (type III), type III distribution, as per IESNA.

LAMP HOLDER: Porcelain thermo-resistant pulse rated 4 Kv mogul base.

LAMP: (400MHBT28), 400 Watt Metal Halide, lamp format BT28 (not included).

BALLAST: 400 Watt Metal Halide, lamp format BT28, VOLTAGE TO BE CONFIRMED _____, high power factor, -20°F (-30°C) lamp starting capacity, c/w polarized quick disconnect plugs with positive lock.

TERMINAL BLOCK: Receives wires (#8 max.) on primary circuit c/w ground lug.

ADJUSTMENT: An integral part of the housing permits an adjustment of ± 5°.

MOUNTING MEAN: Two brackets, formed in a single-piece, made of stamped galvanized-steel (12ga.). Accommodates tenon ranging between 1½" (38mm) to 2 3/8" (60mm) OD, fixed by 3/8 -16 UNC steel zinc plated. Bracket-tenon accommodates tenon ranging between 1½" (38mm) to 2 3/8" (60mm) OD.

FINISH: (SCTX), Special Textured Color; (set-up charge for use of special color already developed and use RAL). Hot dip chemical etching preparation with minimum 3 mils (75 microns) polyester powder coat finish. Durable exterior finish, resistant to UV, salt spray and humidity as per ASTM G7, ASTM B117 and ASTM D2247 testing procedures.



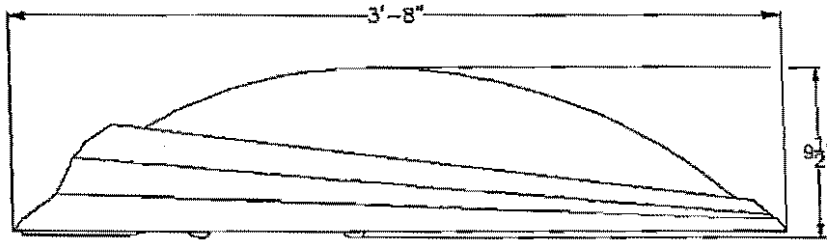


APPROBATION DRAWING

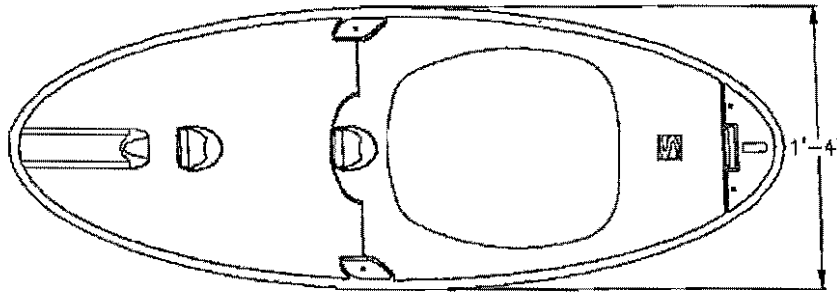
Addison City (4206)

Lumec-Schröder

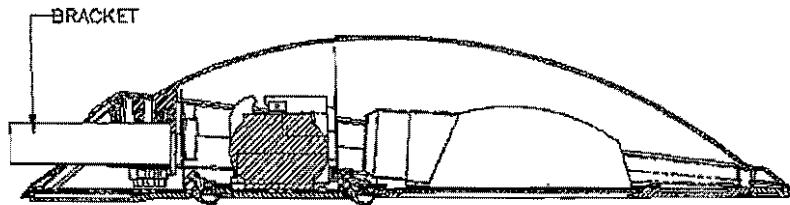
800, Curé Boivin
Boisbriand, (Qué), Canada
J7G 2A7
Tel: (450) 979-2747
(800) 498-8587
Fax: (450) 979-2749
www.lumecschröder.com



SIDE VIEW



BOTTOM VIEW



SECTION VIEW

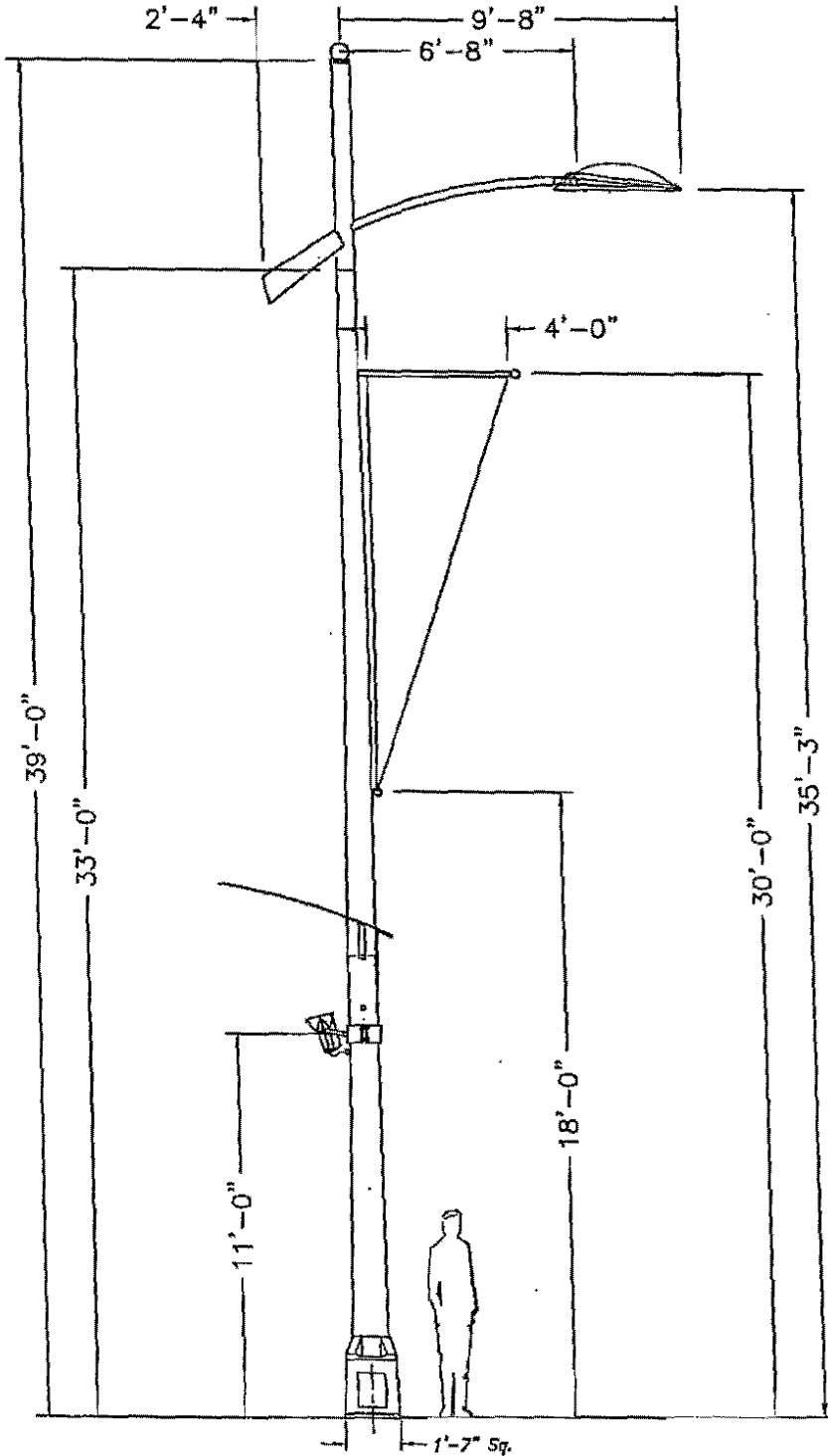




800, boul Curé Boivin
 Boisbriand (Qc), Canada, J7G 2A7
 Tel: (450)978-2747
 Fax: (450)979-2749
 www.lumecschröder.com

Project: City of Addison (4206)
 Order:
 Type: Quantity:
 cat #:

HSX-400MHT28-type III-VOLT-
 ELF6'-1A-ATR33'-LTS884A
 FOC-70MHT6-NARROW-VOLT-
 LTS885A-SCTX

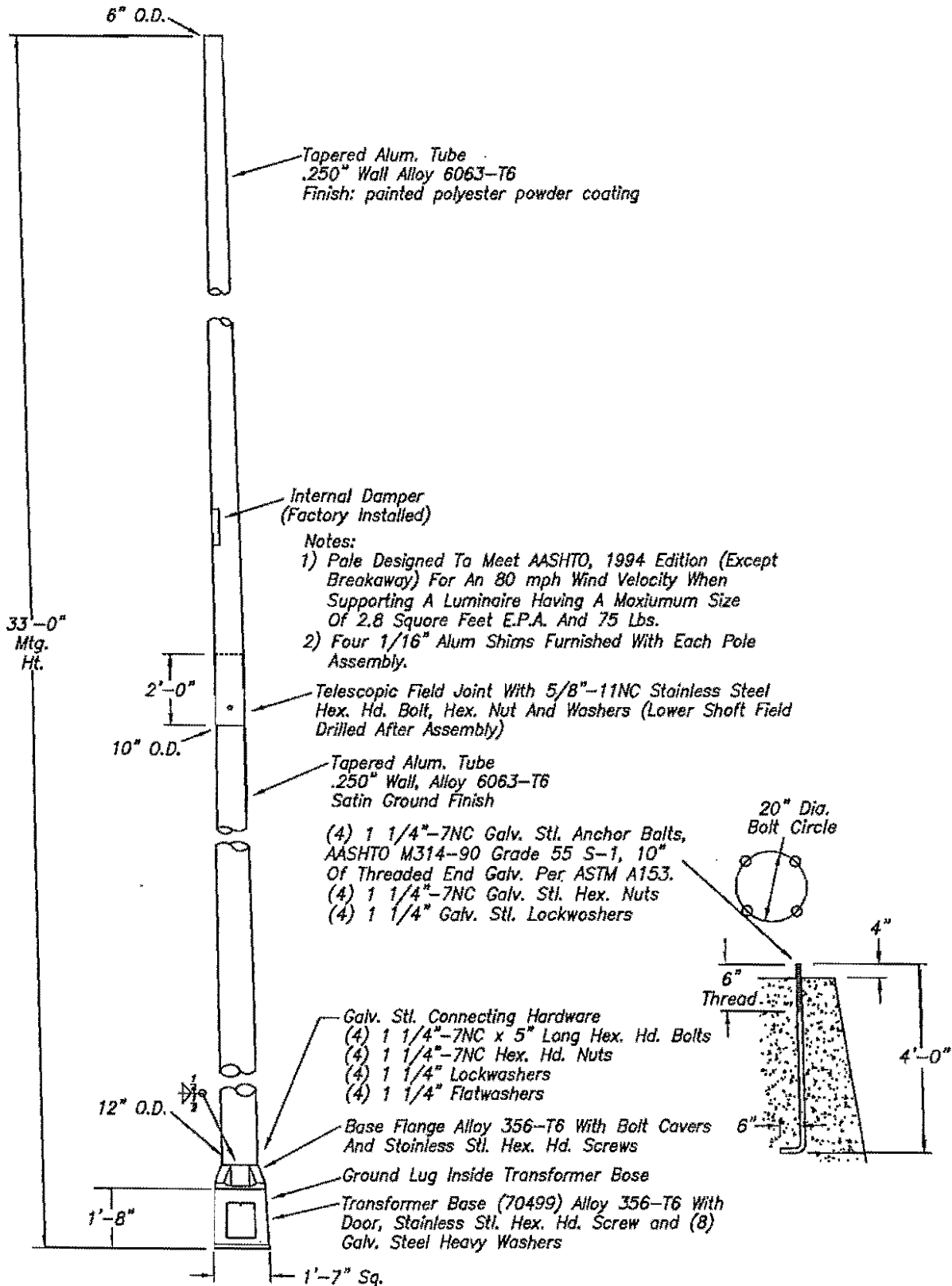


#	Revisions:	Date:	Par/By:	Titre:			
				PRELIMINARY PRESENTATION DRAWING			
				Dessiné par: Drawn by:	f.b	Echelle: Scale:	3/16" = 1'
				Vérifié Verified		No. dessin: Dwg. Num.:	4206hsx-r1
						Date:	NOV.20/03
1	pole size modified	JAN.28/04	f.b			Page:	1/1



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 Tel: (450)979-2747
 Fax: (450)979-2749
 www.lumecschröder.com

Project: CITY OF ADDISON, TX (4206)
 Order:
 Type: Quantity:
 cat #. ATR33-LTS884A



#	Revisions:	Date:	Par/By:	Titre: Pole Details			
				F-10			
				Dessiné par: Drawn by: f.b	Echelle: Scale: 1 = 50	Date: JAN.28/04	
				Vérifié Verified	No. dessin: Dwg. Num.: 4206pole	Page: 1/1	



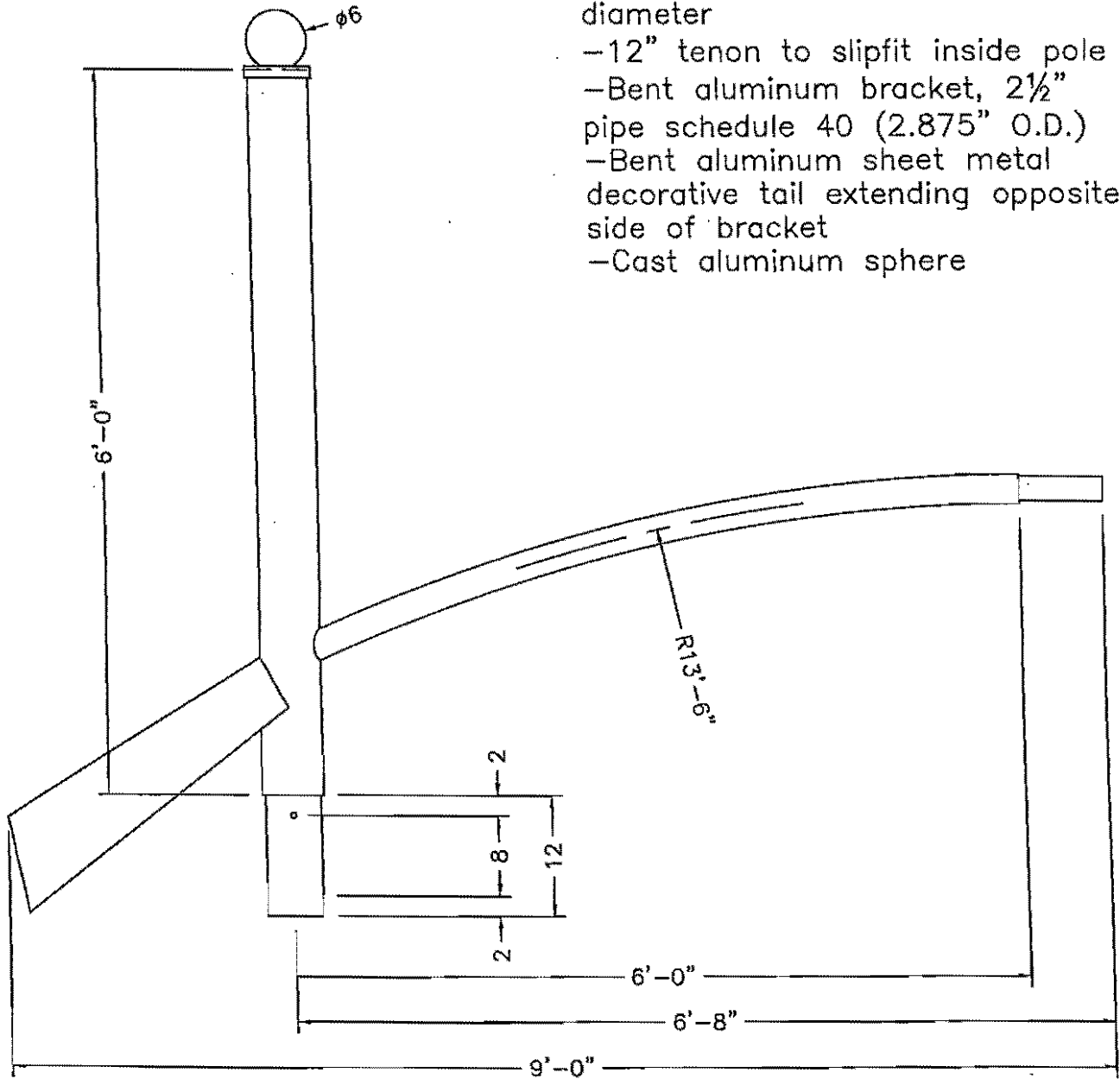
800, boul Curé Boivin
 Bolsbriand (Qc), Canada, J7G 2A7
 Tel: (450)979-2747
 Fax: (450)979-2749
 www.lumecschreder.com

Lumec-Schröder

Project: City of Addison, Tx (4206)
 Order:
 Type: Quantity:
 cat #: ELF-6-1A

ELFA BRACKET:

- Aluminum central portion, diameter to match top pole diameter
- 12" tenon to slipfit inside pole
- Bent aluminum bracket, 2 1/2" pipe schedule 40 (2.875" O.D.)
- Bent aluminum sheet metal decorative tail extending opposite side of bracket
- Cast aluminum sphere



Mounting:

2 thru bolts 1/2"-13 at 90°

Finish:

Painted polyester powder coat

#	Revisions:	Date:	Par/By:	Titre: ELFA Bracket Illustration				F-11
				Dessiné par: f.b		Echelle: 1/16" = 1"	Date: JAN.28/04	
				Vérfifié Verified		No. dessin: Dwg. Num.: 4206elf-6-1a	Page: 1/1	



APPROBATION DRAWING

Addison City (4206)

Lumec-Schröder

800, Curé Boivin
Boisbriand, (Qué), Canada
J7G 2A7
Tel.: (450) 979-2747
(800) 498-8587
Fax: (450) 979-2749
www.lumecschröder.com

Qty	Type Luminaire	Pedestian
		FOCAL-70MHT6-NARROW-VOLT-SCTX-LTS885A

HOUSING: Made of die cast A383 aluminum alloy (as per Aluminum Association) 0.090" (2.2mm) minimum thickness c/w mounting provision for hardware. Front of housing is especially designed for mounting of accessories for beam modification and glare control.

GASKETING: Silicone gasket to insure IP66 rating for dust and water ingress protection as per IEC 598 standard.

LOCKING SYSTEM: Closing captive 4mm allen head stainless steel screws. One allen key is provided with the order.

REFLECTOR: Formed in 3002 aluminum alloy, polished, electro-chemically brightened, and anodized to provide a precise controlled light beam. Modification of light center position with focus adjustable device allow for field adjustment of beam angle to frame precisely the zones to be lighted. Distribution type: (NARROW), Narrow Beam Distribution.

LENS: Flat protector made of clear tempered glass, 0.24" (6mm) thickness and shock resistant. The lens is permanently seal to the housing by a bead of RTV silicone applied by a robot.

LAMP HOLDER: Porcelain thermo-resistant pulse rated 4 Kv G12 base.

LAMP: (70MHT6), 70 Watt Metal Halide, lamp format T6 (not included).

BALLAST: 70 Watt Metal Halide, lamp format T6, VOLTAGE TO BE CONFIRMED _____, high power factor, -20°F (-30°C) lamp starting capacity, c/w polarized quick disconnect plugs with positive lock.

BALLAST TRAY: Integrated electronic control gear is to be mounted onto an injection molded polymer structure, fixed into the housing.

ELECTRICAL FEEDING: A pressure gland will insure tightness level at the wire entry for flexible conduit 0.310" to 0.560".

MOUNTING MEAN: The yoke is made of a single cast aluminum part, with a minimum thickness of 1/4" (6mm). Three (3) mounting holes 7/16"Ø available for 3/8"-16 anchor bolts. (bolts and anchoring devices by installing contractor). The yoke allows 180 degree rotation. Position adjustment is allowed by tightening the yoke's support screws.

FINISH: (SCTX), Special Textured Color: (set-up charge for use of special color already developed and use RAL). Hot dip chemical etching preparation with minimum 3 mils (75 microns) polyester powder coat finish. Durable exterior finish, resistant to UV, salt spray and humidity as per ASTM G7, ASTM B117 and ASTM D2247 testing procedures.

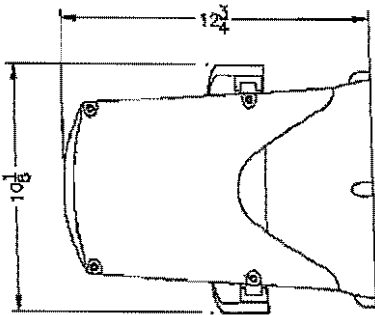




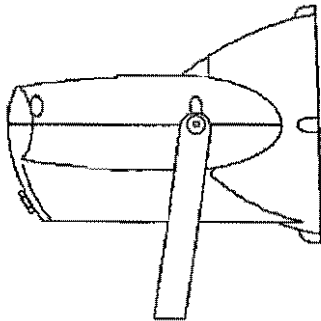
APPROBATION DRAWING

Addison City (4206)

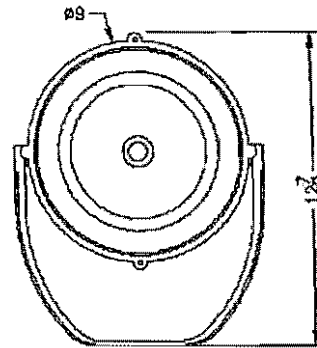
800, Curé Boivin
Bolsbriand, (Qué), Canada
J7G 2A7
Tel.: (450) 979-2747
(800) 498-8587
Fax: (450) 979-2749
www.lumecschröder.com



PLAN VIEW



SIDE VIEW



FRONT VIEW



Registered to ISO 9001:2000
File No. A11750

SPEC20040112_153711_4206_7.DOC

01-12-2004

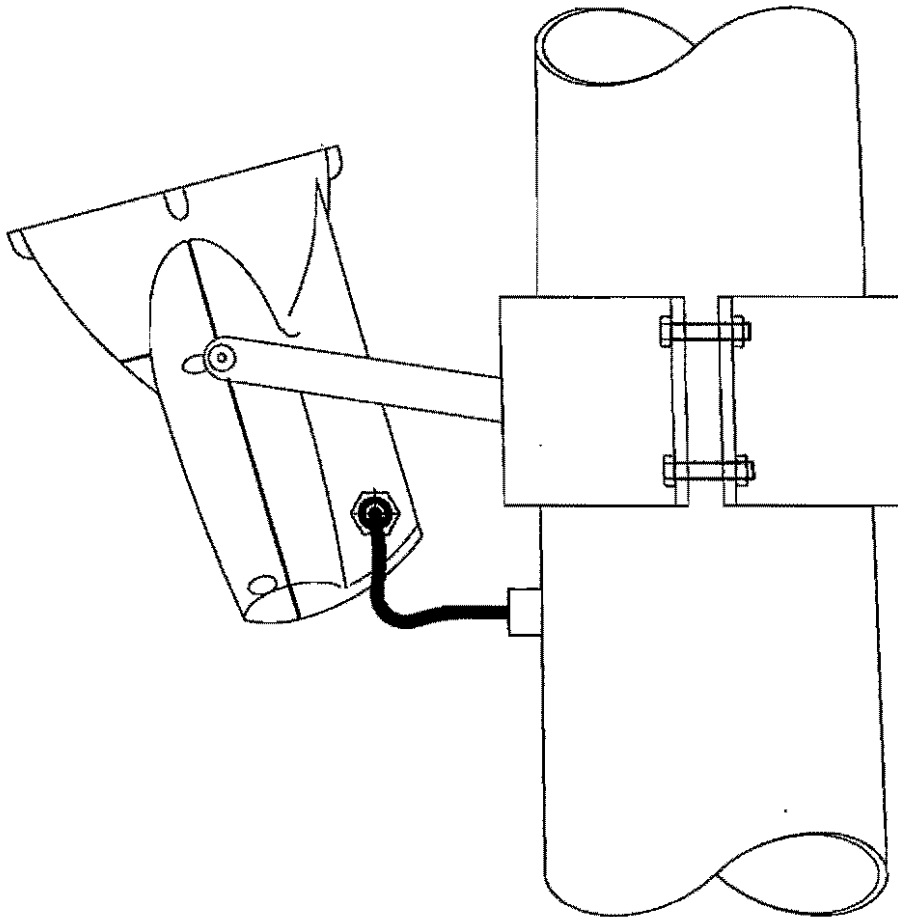
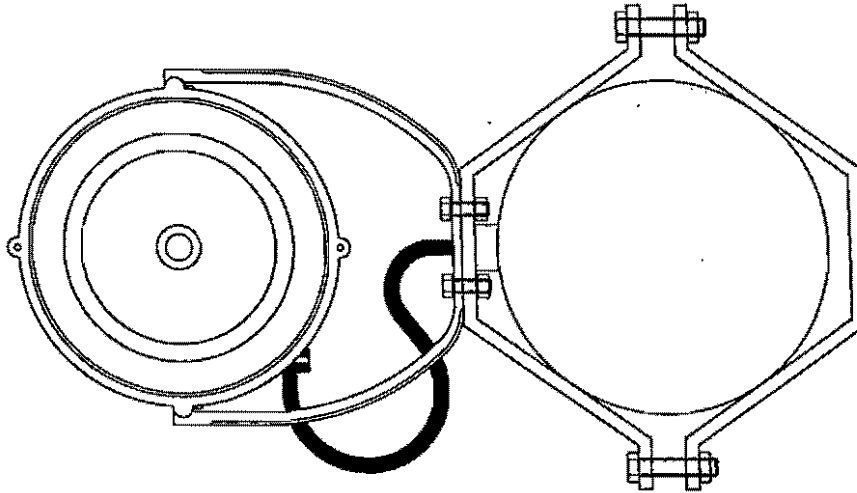
Page 2 / 2



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 Fax: (450)979-2749
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Project: City of Addison (4206)
 Order:
 Type: Quantity:
 cat. #:

Lumec-Schröder

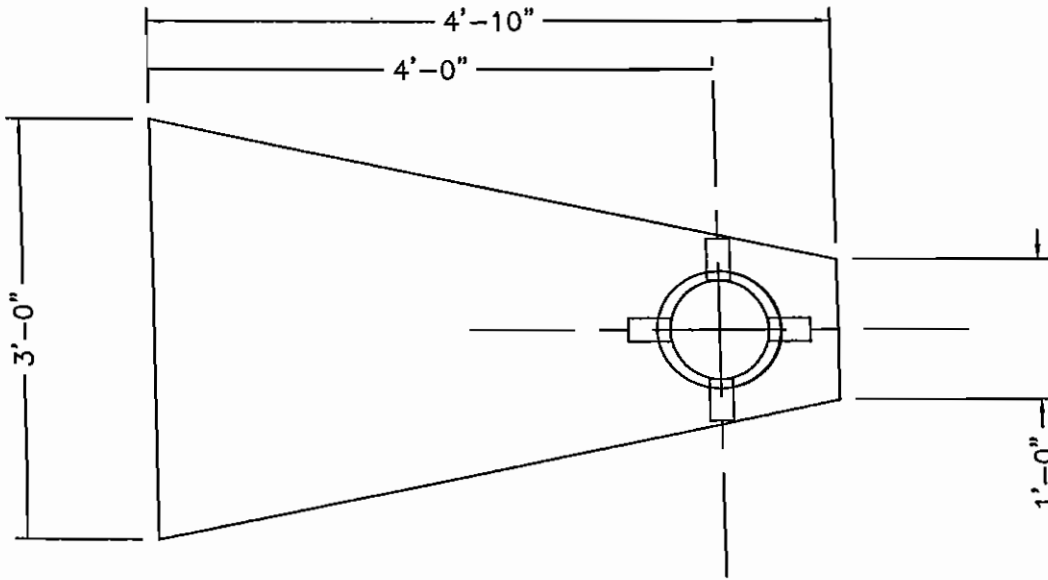


#	Revisions:	Date:	Par/By:	Titre: Title:
				ILLUSTRATION OF FOCAL CLAMPING SYSTEM
				F-10
			Dessiné par: Drawn by:	f.b
			Echelle: Scale:	3/16" = 1'
			Date:	JAN.29/04
			Vérfifié Verified	No. dessin: Dwg. Num.:
				4206--focal-clamp
				Page: 1/1

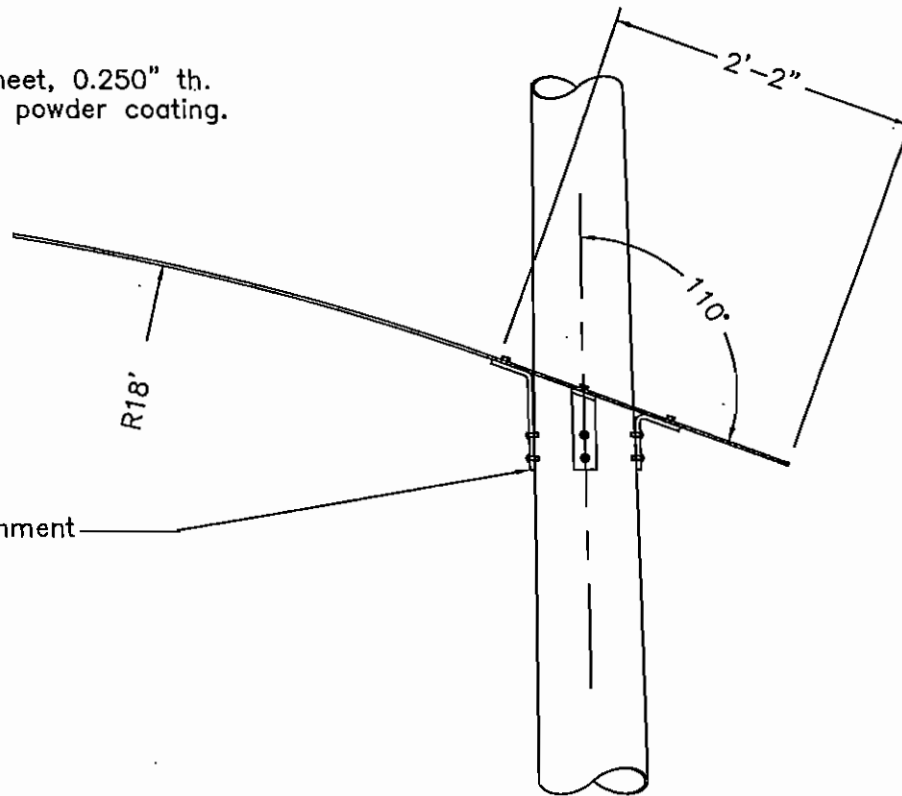


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Project: City of Addison (4206)
 Order:
 Type: Quantity:
 cat #:



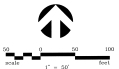
Aluminum reflector:
 bent aluminum flat sheet, 0.250" th.
 painted with reflective powder coating.



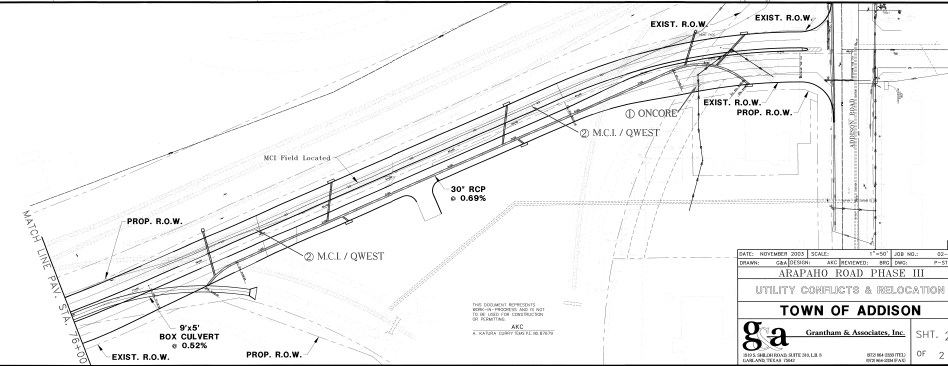
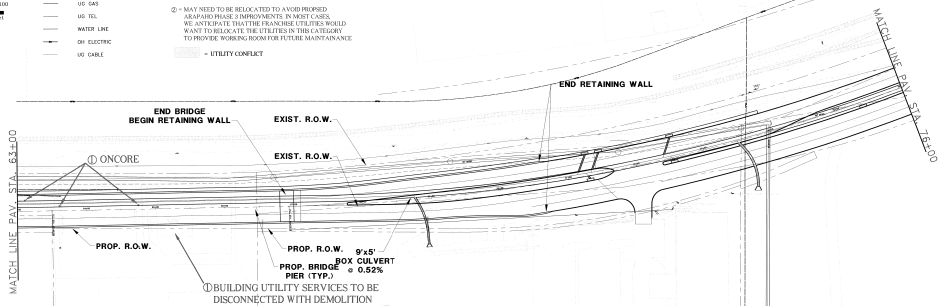
4 aluminum supports
 for mechanical attachment
 of reflector to pole

#	Revisions:	Date:	Por/By:	Titre: REFLECTOR FOR INDIRECT LIGHTING		
				F-10		
				Dessiné par: Drawn by: f.b	Echelle: Scale: 1/16" = 1"	Date: JAN.29/04
				Vérifié Verified	No. dessin: Dwg. Num.: 42D6-FOCAL-REFLEC	Page: 1/1

NO.	DATE	REVISION	APPROV.
1			
2			
3			



- LEGEND**
- SAN. SEW.
 - UG GAS
 - UG TEL.
 - WATER LINE
 - OH ELECTRIC
 - UG CABLE
- ① - MUST BE RELOCATED TO AVOID PROPOSED ARAPAHO PHASE 3 IMPROVEMENTS
- ② - MAY NEED TO BE RELOCATED TO AVOID PROPOSED ARAPAHO PHASE 3 IMPROVEMENTS. IN MOST CASES, WE ANTICIPATE THAT THE FRANCHISE UTILITIES WOULD WANT TO RELOCATE THE UTILITIES IN THIS CATEGORY TO PROVIDE WORKING ROOM FOR FUTURE MAINTENANCE
- UTILITY CONFLICT

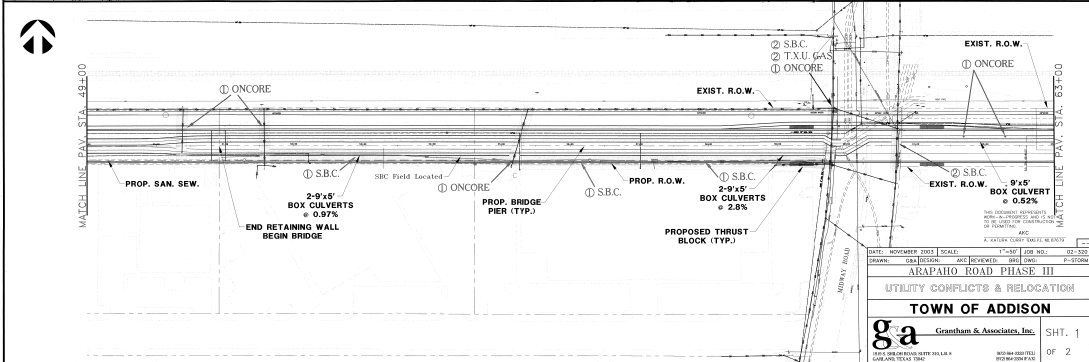
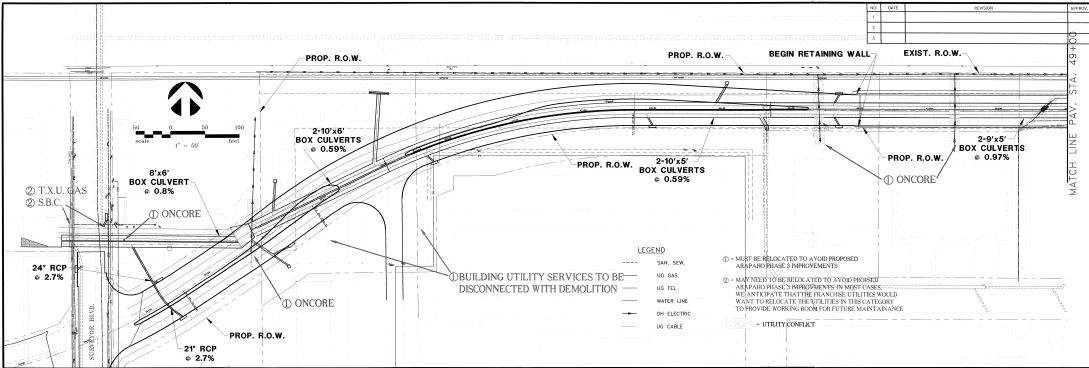


THIS DOCUMENT REPRESENTS WORK AS PROPOSED AND IS NOT TO BE USED FOR CONSTRUCTION OR PERMITTING.

AKC
K. NATARA CIVIL ENGINEER

DATE: NOVEMBER 2009	SCALE: 1"=50'	JOB NO.: 02-520
DRAWN: GBA	DESIGNED: AKC	CHECKED: SRS
ARAPAHO ROAD PHASE III		
UTILITY CONFLICTS & RELOCATION		
TOWN OF ADDISON		
 Grantham & Associates, Inc.		SHT. 2
<small>1015 38th STREET, SUITE 201, L.A. 8 DALLAS, TEXAS 75246</small>		OF 2

NO.	DATE	REVISION	APPROV.
1			
2			
3			



DATE: NOVEMBER 2003 SCALE: 1"=50' JOB NO.: 03-333
 DRAWN: GBA REGION: AWC REVIEWED: BHS (LWS) P-SC004

ARAPAHO ROAD PHASE III

UTILITY CONFLICTS & RELOCATION

TOWN OF ADDISON

ga Grantham & Associates, Inc. SHT. 1
 1015 A DOW COR ROAD SUITE 300 LR 4 GARLAND TEXAS 75042 972.764.0001 EXT 204 FAX 972.764.0044