



Mark Albert

6750 Hillcrest Plaza Dr., Suite 300
Dallas, Texas 75230
O: 972.239.5800
F: 972.239.5840
C: 214.533.1182
E: maalbert@swbell.net

Steve Chutchian

To: mewsom1@txued.com
Cc: Chris Terry; Jenny Nicewander; jdavis4@txued.com
Subject: Addison Road Utility Relocation

Hello Randy:

The Town of Addison is continuing on a schedule that initiates construction of the Addison Road Widening project in the first week of July. Due to commitments to adjacent commercial property owners along the length of the proposed improvements, we cannot delay our construction beyond this date. The overall impact of our project will greatly affect the ability of each business to function, and they are preparing accordingly. As a result, it is imperative that TXU Electric Delivery maintain the current schedule that will result in the existing electric facilities being moved out of project limits prior to July 2005. In addition, the installation of the new power poles must be completed during the summer months, in order to permit the sidewalk, irrigation, and landscaping improvements to be placed within the normal construction time frame of our project. Other utilities, including Comcast and SBC are scheduled to perform their relocation of existing facilities in accordance with the schedule established with James Davis.

It is imperative that our project be underway in early July and that our contractor is unimpeded in his work. Your assistance, and that of James Davis, in maintaining utility relocation schedules is very necessary and greatly appreciated. Should you have any questions, please let me know. Thanks.

Steve Chutchian

UTILITY RELOCATION KICK-OFF MTG.

Sign In Sheet

Project Addison Road Widening

Date 1/12/2005

	Name	Company	Phone	Email
1	Jenny Nicemann	TOWN OF ADDISON	9-450-2810	JULIE.ANDER@CI.ADDISON.TX.US
2	Jim Pierce	"	" " 2879	" " " "
3	MIKE TRUCKER	EXPLORER P.L.	903-522-1262	mtucker@expl.com
4	SHARIE COOPER	ATMOS ENERGY	972-881-4161	JCOOPER4@TXUGAS.COM
5	DAVE WILDE	Town of Addison	972-450-2847	dawilde@ci.addison.tx.us
6	JACK FOREMAN	SBC (KERRY CONSULTING)	817-229-5018	FOREMAN@SUBOLL.MF
7	John Brackhoff	Brackhoff, Kershner & County	214-361-7000	JBrackhoff@Brackhoff.com
8	James Davis	TXU ED	214-875-2380	Jdavis4@txued.com
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Sign In Sheet

Project Addison Road Widening

Date 2/16/2005

	Name	Company	Phone	Email
1	Jenny Nicemura	TCA	972.628.3164	JNICEMUR@CI.ADDISON.TX.US
2	Dave Wilcox	Town of Addison	972-450-2847	dawilco@ci.addison.tx.us
3	David Chary	Comcast	214-320-9406	david_chary@cable.comcast.com
4	Warren Fyffe	Comcast	214.320.5435	warren_fyffe@cable.comcast.com
5	JACKIE COOPER	ATMOS ENERGY	972.881.4161	JACKIE.COOPER@ATMOSENERGY.COM
6	JACK FORSMAN	SBC (Kiebr Consulting)	817-225-5018	forconn@sbcboll.net
7	Douglas Showers	Bryke & Mednick (Energy)	214-361-7900	dshowers@BHC LLP.com
8	James Davis	TXU ED	214-875-2380	jdavis4@txued.com
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Steve Chutchian

From: Jenny Nicewander
Sent: Thursday, February 17, 2005 10:05 AM
To: Steve Chutchian; Jim Pierce
Subject: Utility Meeting update

Yesterday there was a utility coordination meeting and here are the highlights.

- Comcast - 2 representatives from Comcast were there and given a set of plans. They are going to get on to all of TXU's poles and were coordinating with James Davis on that. They said it would be about a month after TXU set the poles to get the transfers over.
- SBC - 50% thru with design, they plan mid-March before they can get an internal job issued, from there it will be 90 days to complete, they are looking at somewhere in June
- Atmos - They are also looking at May or June before being complete
- TXU - plan on ordering poles early next week, want to get a letter of agreement with the Town - James Davis will draft and send over

Let everyone know I would like another meeting next month to discuss the relocations and their progress.

*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*

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

7502 Greenville Ave., #220

Dallas, Texas 75231

Fax (214) 361-0204

Phone (214) 361-7900

JOHN W. BIRKHOFF, P.E.
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GARY C. HENDRICKS, P.E.
JOE R. CARTER, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.
DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Mr. Jorge Barrera
Comcast
934 E. Centerville Road
Garland, Texas 75041

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

Dear Mr. Barrera:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

We are providing you these preliminary plans in an effort to locate your facilities so we can make any necessary adjustments to our alignment and grade to decrease the potential for conflict in the field by a construction contractor.

If you have questions, please contact us.

Sincerely yours,


Andrew Mata, E.I.T.

cc: Mr. Jim Pierce, City of Addison

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DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Eddie Griffin
MCI
Investigations Dept.
2400 N. Glenville Drive
Richardson, Texas 75082

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

Dear Mr. Griffin:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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cc: Mr. Jim Pierce, City of Addison ✓

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DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Kim Jordan
Qwest
Pre-Planning
555 17th Street
9th Floor
Denver, CO 80202

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

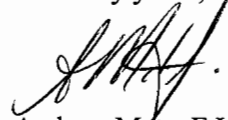
Dear Ms. Jordan:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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cc: Mr. Jim Pierce, City of Addison

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DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Jackie Cooper
Atmos Energy
Metro Engineering
301 S. Harwood
511 North
Dallas, Texas 75201

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

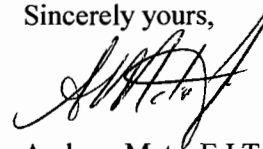
Dear Mr. Cooper:

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cc: Mr. Jim Pierce, City of Addison

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MATT HICKEY, P.E.
DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Peter Russell
SBC
3 SBC Plaza
Room 2124
Dallas, Texas 75202

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

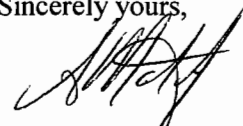
Dear Mr. Russell:

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cc: Mr. Jim Pierce, City of Addison

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DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Buddy Smith
MCI
3rd Floor
2400 N. Glenville Dr.
Richardson, Texas 75082

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

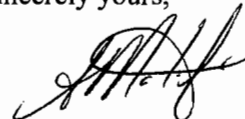
Dear Mr. Smith:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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Andrew Mata, E.I.T.

cc: Mr. Jim Pierce, City of Addison

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MATT HICKEY, P.E.
DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Josh Stewart
Comcast
Design Department
1565 Chenault Street
Dallas, Texas 75228

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

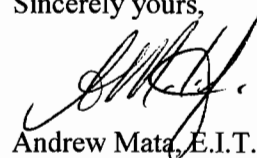
Dear Mr. Stewart:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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Sincerely yours,



Andrew Mata, E.I.T.

cc: Mr. Jim Pierce, City of Addison

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DOUGLAS K. SHOWERS, P.E.

December 20, 2004

James B. Stuart
Sprint
1616 Maryland Dr.
Irving, Texas 75061

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

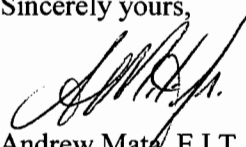
Dear Mr. Stuart:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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Sincerely yours,



Andrew Mata, E.I.T.

cc: Mr. Jim Pierce, City of Addison ✓

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DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Larry Trojan
TXU Electric
301 S. Harwood St
6 South
Dallas, Texas 75201

Re: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

Dear Mr. Trojan:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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cc: Mr. Jim Pierce, City of Addison ✓

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MATT HICKEY, P.E.
DOUGLAS K. SHOWERS, P.E.

December 20, 2004

Patrick Nwakoby
Explorer Pipeline
P.O.Box 2650
Tulsa, Oklahoma 74101

RE: City of Addison, Texas
Addison Road Paving & Drainage – Phase I

Dear Mr. Nwakoby:

We are enclosing one set of preliminary construction plans for the construction of the Addison Road Paving & Drainage – Phase I in Addison, Texas. We request that you review your facilities in the general area of the proposed pavement & drainage and provide us your locate maps or mark directly on the attached sheets where your facilities are located along with the size and approximate vertical location. Also mark any potential conflict that may exist.

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If you have questions, please contact us.

Sincerely yours,

Andrew Mata, E.I.T.

cc: Mr. Jim Pierce, City of Addison ✓

Jim Pierce

From: Ron Whitehead
Sent: Wednesday, August 29, 2001 6:06 PM
To: Chris Terry; Michael Murphy
Cc: Slade Strickland; Jim Pierce
Subject: RE: ADDISON ROAD STREETScape DESIGN

Mike, You need to visit with Slade and Carmen about further revisions from our Boston trip. Ron

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

From: Chris Terry
Sent: Monday, August 27, 2001 9:58 AM
To: Michael Murphy
Cc: Slade Strickland; Jim Pierce; Ron Whitehead
Subject: ADDISON ROAD STREETScape DESIGN

Mike,

I wanted to clarify a couple of thoughts for this project.

1. We are planning to put utilities underground - right? Please identify from what north/south locations the utilities will be put underground.
2. We **DO NOT** want to install landscaping on the western side of Addison Rd. from Morris to Lindbergh as this section along the Airport edge may receive a different landscape treatment consistent with whatever design we develop for the Cavanaugh Museum. The Cavanaugh facility will likely move to the old fuel farm site at the end of Addison Circle Dr. Just include sidewalks on this section for now.

Thanks.

Steve Chutchian

From: Steve Chutchian
Sent: Wednesday, May 16, 2001 2:39 PM
To: Michael Murphy
Cc: Jim Pierce
Subject: Undergrounding of Utilities

The cost of undergrounding of utilities in relation to the proposed Arts & Events District site was evaluated. The estimate includes the portion of Addison Rd., from Arapaho Rd. to Airport Pkwy, and overhead lines on Clara and Julian. In order to obtain a basis for estimating the cost, 1999 estimates for undergrounding utilities along Addison Rd., from Belt Line Rd. to Keller Springs Rd., were utilized and increased to reflect contingencies and inflation. The estimated cost for Addison Rd. is as follows:

a.	TXU	\$4,100,000
b.	TCI Cable	260,000
c.	S.W. Bell	340,000
d.	Service Transfers	<u>300,000</u>
	Sub-Total	\$5,000,000
	Contingencies & Inflation(25%)	<u>1,125,000</u>
	Total	\$6,125,000

The above cost was utilized in determining a unit price per foot of \$1,035/lf along Addison Rd., from Belt Line Rd. to Keller Springs Rd. The estimated cost of undergrounding utilities in relation to the Arts & Events site is as follows:

a.	Addison Rd., (Arapaho to Airport Pkwy)	\$3,519,000
b.	On-site (Julian & Clara)	<u>1,573,200</u>
	Total Cost	\$5,092,200

Steve Chutchian

From: Steve Chutchian
Sent: Wednesday, August 08, 2001 4:52 PM
To: Carmen Moran
Cc: Michael Murphy; Jim Pierce; Luke Jalbert
Subject: Undergrounding Utilities on Addison Rd.-Arts and Events District

Carmen - In May 2001, a cost estimate was prepared to underground utilities along Addison Rd., from Arapaho Rd. to Airport Pkwy, and all on-site utilities. This total cost was estimated at approximately \$5,100,000. A new estimate has been prepared to underground utilities on Addison Rd., from the railroad north of Arapaho Rd. to Morris Rd., and all on-site utilities. The revised total cost estimate is \$3,125,000. If you have any questions, please let me know. Thanks.

Steve Chutchian



transmittal

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

date July 31, 2001
project name Addison Road Streetscape

project no. 14268.00

attn Steven Z. Chutchian, P.E.

from Cathy Baker

we are sending you via overnight courier courier us mail other

S A S A K I

Sasaki Associates Inc.
 64 Pleasant Street
 Watertown Massachusetts
 02472 USA

t 617 926 3300

f 617 924 2748

description	quantity	dated
Rendered Streetscape Plan, 1"=20'	1	August 2001
Rendered Streetscape Sections, 1/8"=1'-0"	1	August 2001
Black and White Streetscape Plan	1	August 2001
Black and White Sections	1	August 2001

these are transmitted

- for your information please return materials for review and comment
 borrowed materials returned as requested for approval other

cb\g:\14268.00\admin\trans\st-chutch.doc

signed _____

copy to Ward, Poulos, Clough, Baker, File

7/20/99

Mr. James C. Pierce, Jr., P.E.
Town of Addison
P.O. Box 9010
Addison, Texas 75001-9010



TCI of Arlington, Inc.
2421 Matlock Road
Arlington, Texas 76015-1619

Re: Addison Road- Beltline Road to Keller Springs Road

Dear Mr. Pierce:

After reviewing the towns plan to remove the pole line along Addison Road. We considered the cost to be too much since we had no plans to make any changes. However anytime we have a chance to place or system underground I think we should make an attempt to explore the options. Since the town is bearing the cost of the duct bank system we would be saving a considerable amount, and if the town is also going to cover the cost of any additional labor such as pulling in the cable and fiber and splicing and activation of the system. TCI will purchase all materials. This is the only way I can see that we could meet your needs at this time for us to change our plants aerial design to underground.

Please call me at 817-557-8296 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Steven C. Mills".

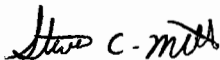
Steven C. Mills
Project Coordinator

Rec'd 6-22-99

5-15-99
James C. Pierce, JR., PE.DEE
16801 Westgrove DR.
P.O. Box 9010
Addison, TX 75001-9010

Re: relocation cost estimate

Mr. pierce: The estimated cost associated with the cable relocation of our facilities along Addison RD. from Beltline to Keller Springs will be approximately \$260,816.28 for labor and materials. This involves our contractors placing our facilities underground from overhead approximately 9,425 FT and removing the aerial cable and fibers. This price also includes our contractors placing all 2" and 4" PVC in the ground. If the city of Addison were going to supply and bury the entire pipe the estimated cost would be \$141,631.52. If you have any questions please call me at (817) 557-8296 thank you.



Steven C. Mills

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: John Birkhoff
Company: Shimek

From: James C. Pierce, Jr., P.E., DEE
Assistant City Engineer
Phone: 972/450-2879
FAX: 972/450-2834

FAX #: 214-361-0204

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

Date: 6-4-99

of pages (including cover): 2

Re: Addison Rd

- Original in mail
- Per your request
- FYI
- Call me

Comments: TU underground
prelim cost est. attached.

Jim

ESTIMATED COST for UG FACILITIES in ADDISON
(Addison Rd- Beltline to Keller Spr's)

	# of Units or ft/	Total
PMH Switchgear	28	\$1,050,000
6E6 duct bank	5200	\$1,014,000
4E6 duct bank	0	\$0
4" conduit/trench	8000	\$240,000
manhole	16	\$528,000
1000 kcmil AL cable	10400	\$546,000
1/0 AL cable - 3 phase	4000	\$90,000
Riser 1/0 AL	20	\$120,000
Riser 1000 kcmil AL	2	\$30,000
1/0 transformer	30	\$315,000
3 phase transformers - lg	1	\$48,750
3 phase transformers - med	1	\$35,250
Street boring	14	\$84,000
Streetlights	<i>Not included</i>	\$0
		\$4,101,000
OH relocation costs (credit to job)		\$330,000
GRAND TOTAL		\$3,771,000

Credit may be high, some poles may not need to be relocated

Other Concerns

Padmount Transformers - Require 10X10 easement

PMH Switchgear - Require 20X20 easement

Customer re-wire to accommodate UG service

Customer will need to install new UG service from meterbase to transformer

Removal of overhead mast ?????

Temporary relocation of poles

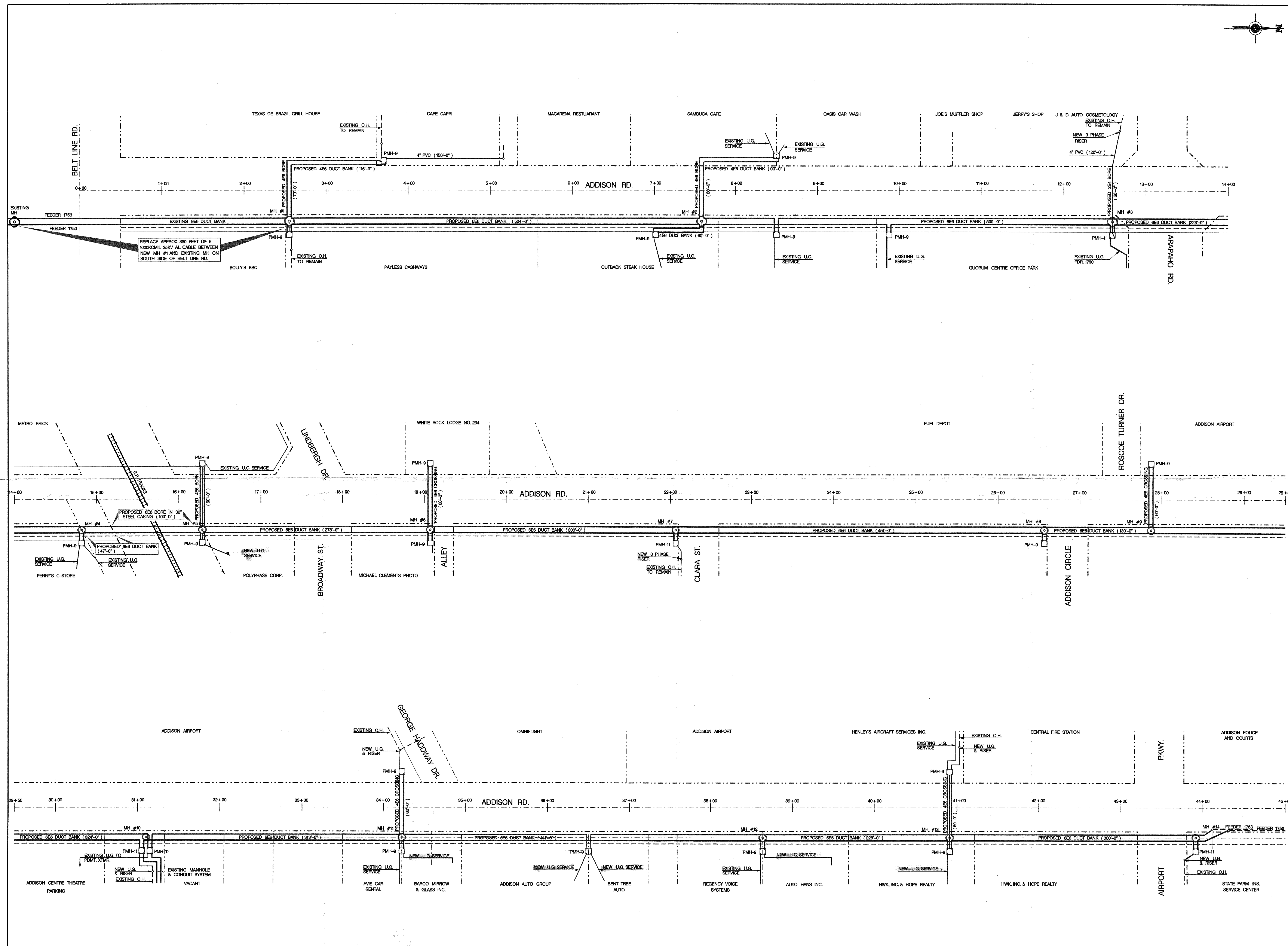
Keeping customers in service during construction may add costs

Jim Pierce

From: Jim Pierce
Sent: Tuesday, February 29, 2000 9:30 AM
To: John Birkhoff (E-mail)
Subject: Addison Road Widening Utilities Relocation

The person to send plans to at TXU Elec and gas is Rick Fielding, 14400 Josey Lane, Farmers Branch, TX 75234

Jim Pierce, P.E.
Assistant City Engineer
PO Box 9010
Addison, TX 75001-9010
972-450-2879



UNIT ID	DWG TYPE	WR#

LIST OF DRAWINGS

RELOCATE OVERHEAD TO UNDERGROUND
ADDISON RD. BETWEEN BELT LINE AND AIRPORT

Addison!

~~MARK FADDEN~~

~~(972) 450-7038~~

~~(972) 450-7043 FAX~~

Town of Addison 5300 Belt Line Road P.O. Box 144, Addison, Texas 75001-0144

~~1-10-00~~

Ron Edwards, TXU

972-570-4153

Widening Add. Rd

BL to Airport PKey

Strip map -

Design Contact

ADDISON ROAD UNDERGROUND UTILITIES
 ESTIMATE OF IMPACT ON PROPERTIES ALONG ADDISON ROAD
 BETWEEN BELT LINE ROAD AND AIRPORT PARKWAY

21-Dec-99

Impact *Impacts*

Assumptions: In most cases, Transformers and switchgear would be located at present pole location providing service. Some locations would require trenching parallel with the ROW. Impact of underground telephone service not considered in this study. Cost of feeding electric across Addison Road, from east side to west side, which is now done overhead, is not included. These costs would be "within the ROW". Streetlights, which are now on wooden poles would be replaced with a new system. These costs would be additional.

Abbreviations: OH = overhead, Xfmr = transformer, SG = switchgear, svc = service, N = north, S = south

EAST SIDE OF ROAD MOVING NORTH

LOCATION	PRESENT SERVICE	ESTIMATED IMPACT
Solly's BBQ	OH power	96 ft of trenching to second pole on interior of property (First pole too close to ROW)
Payless Cashways		
Warming Hut		
Payless Cashways Warehouse	OH to meter on west wall of bldg plus OH to un-metered streetlight	Probably would not warrant a separate xfmr. UG svc would probably be run from a location N or S of svc point. 180 ft of trench parallel to ROW and 90 ft of trench on Payless property.
Outback Steak House	UG primary direct from pole in ROW to xfmr on property.	Minimal. Connect to UG svc at pole. (There is a large, empty lot behind Outback that may need svc in the future).
Mainstay Suites	Temp. Const. Svc. Permanent svc from a pad mounted xfmr @ front of property	25 ft of trenching on Mainstay Property. 130 ft of trench from nearest SG parallel to ROW to connect to existing xfmr @ front of property.
Quorum Centre	Not obvious, must be UG	Minimal
Perry's "C" Store	UG from pole	Minimal, except 106 ft trenching needed to feed streetlights in parking lot.
DART Transit Center	UG from pole	Minimal

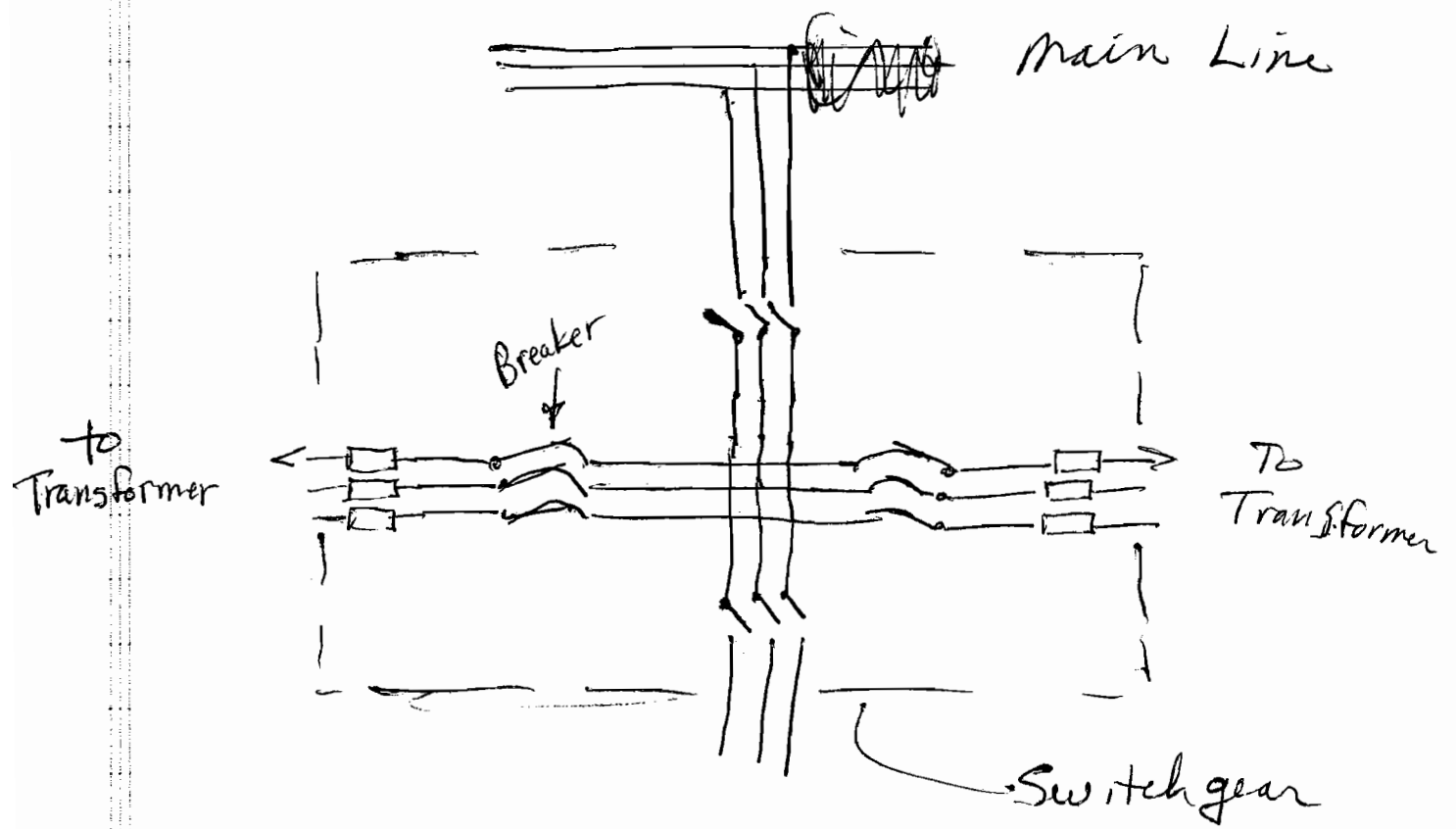
Polyphase Corp (Moses and Klein)	UG from pole	Minimal
Broadway Street Commercial Area	OH to pole to pad mounted xfmr	12 ft trenching between pole in ROW to pole next to xfmr (may want to eliminate this pole because it is so close to road). 126 ft trenching to next pole into property.
450 ft N of Addison Circle Dr. @ future Morris Rd.	OH to pole 10 ft east of ROW.	60 ft of trenching to 2nd pole in - (would want to get rid of 1st pole in).
Avis Car Rental	Primary UG	Minimal, except probably trench 90 ft parallel with ROW to nearest SG.
Barco Mirror & Glass Addison Auto Group	OH to pole @ bldg. Feeds Barco & Addison Auto	92 feet of trenching
Bent Tree Auto	OH svc to 2 meters on bldg	61 ft trenching, plus probably 140 ft of trenching parallel with ROW to get to a switchgear.
Regency Voice Systems	UG svc to bldg	Minimal
Auto Hans	OH svc to meter on N side of bldg plus OH svc to street light on S side of property	47 ft of trench to meter. Streetlight could be fed OH from meter point, or 126 ft trenching (through pavement) reqd for streetlight. Plus 98 ft trench parallel to ROW to get to a SG.
Hope Realty	UG svc	Minimal
Airport Parkway and Points to the East	OH Electric	42 ft trench to next pole
WEST SIDE OF ADDISON ROAD MOVING NORTH Texas De Brazil & Café Capri	OH svc	30 ft of trenching to first pole on interior of property
Macarena Restaurant	UG svc	Minimal
Car Wash & Sambuca	UG svc	Minimal

J&D Auto, Jerry's Shop & Joe's Muffler	OH svc	145 ft trenching reqd.
Metro Brick	OH svc	25 ft trenching, plus 170 ft of trenching parallel with ROW to probable switchgear location.
Broadway Grill	UG svc plus OH svc to street light @ rear of property	Minimal, except for streetlight, which could be served from the grill (power paid for by Grill). Or, 190 ft trenching reqd for streetlight.
Old Post Office Bldg	OH svc	60 ft of trenching (thru sidewalk), plus 100 feet of trenching parallel with ROW from SG.
White Rock Lodge	OH svc	76 ft trenching to meter on bldg
Addison Airport (adjacent to White Rock Lodge)	OH svc	150 ft trenching for streetlight service, plus 50 ft trenching for fuel farm svc.
Addison Airport (opposite Clara St.)	OH svc	Two fuel farm svcs require 15 ft trenching. One fuel farm svc requires 72 ft of trenching.
Addison Airport (185 ft N of Clara St.)	OH svc	70 ft trenching to 1st pole on property
Addison Airport (340 ft N of Clara St.)	OH svc	2 svcs - minimal
Addison Airport (just S of Roscoe Turner Dr.).	OH svc	Main svc westerly on Roscoe Turner - 178 ft trenching (SG on N side of Roscoe Turner). One fuel farm svc requires 88 ft trenching, another requires 57 ft of trenching.
Addison Airport- MillenniumOH svc Hanger, and beyond & Omni Flight, S side Geo. Hadaway Dr.	OH svc	110 ft trenching
Addison Airport - Henley's Aircraft Services	OH svc	32 ft trenching to nearest pole. If this pole is too close to ROW, another 198 ft trenching reqd to get to next interior pole.

12-27-99

TXU / CG Electric

Switchgear/Transformer Configuration



One Switchgear can serve 2 transformers.

Elec Soc Info
Arapaho Rd

12-13-99

Solly's BBQ - O.H power on N. Side of Bldg.

Transformers
3 XFMS

SVC enters about mid point of N. Side overhead.
O.H. Line continues on easterly to yard of
Payless. 3 Transformers on that pole.
(Phone lines on all poles)

@ NE Cor Solly's line turns South (2 XFMS on pole) and
serves the Warming Hut.

Impact. XFM & Switchgear placed on Solly's corner, Primary
Run UG from there to 1st Pole, midpoint of Solly's Bldg.
in poles the rest of the way

Payless Cashways Warehouse - O.H svc direct from pole
in addition - plus O.H line direct to a streetlight
(unmetered) in yard area. Impact: would
need to run from TU UG to bldg of streetlight.

Outback Steak House - See notes on plans. XFMR is ~~at~~
located @ rear of Bldg.

(Large Empty Lot behind Outback
that will need service)

Mammoth Suites - Not clear how served, Temp svc from
adjacent pole. will have a pad into XFMR
would need a switch & UG from SW to XFMR

Quorum Center - Exist UG SVC street off power
lines would need to run from Switchgear
to UG SVC & connect.

@ Addison & Arapaho - UG SVC off pole on SE corner serves

Summerfield Suites & Sw Bell Telephone (Pit in under
Arapaho project). Would need Switch gear ?? or could
connect direct and run to SWB pit in under Arapaho.

1 on street
3 in Park lot
on N. Side
© C store N Side - 2 poles 1 XFMR for st lights
1 UG svc for C store
1 UG svc for Dart Svc Center
Need separate switch gear?

RR Signals would be affected. Source of Power?

Moses El Klein - 3 risers off pole - 1 XFMR
1 XFMR for street light

Broadway Stores - See notes on drawing
Several flat mt XFMRs along Northern Alley
with risers from overhead lines

TOWN OF
ADDISON

PUBLIC WORKS

To: John Birkhoff
Company: Shimek

From: James C. Pierce, Jr., P.E., DEE
Assistant City Engineer
Phone: 972/450-2879
FAX: 972/450-2834

FAX #: 214-361-0204

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

Date: 6-4-99

of pages (including cover): 2

Re: Addison Rd

- Original in mail
- Per your request
- FYI
- Call me

Comments: TU underground
prelim cost est. attached.

Jim

Faxed back
to us this date
@ Alyssa's request
For Ron Davis

(Addition - Bellline to Keller Spr's)

	# of Units or ft/	Total
PMH Switchgear	28	\$1,050,000
6E6 duct bank	5200	\$1,014,000
4E6 duct bank	0	\$0
4" conduit/trench	8000	\$240,000
manhole	16	\$528,000
1000 kcmil AL cable	10400	\$546,000
1/0 AL cable - 3 phase	4000	\$90,000
Riser 1/0 AL	20	\$120,000
Riser 1000 kcmil AL	2	\$30,000
1/0 transformer	30	\$315,000
3 phase transformers - lg	1	\$48,750
3 phase transformers - med	1	\$35,250
Street boring	14	\$84,000
Streetlights	<i>Not included</i>	\$0
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- Customer re-wire to accommodate UG service
- Customer will need to install new UG service from meterbase to transformer
- Removal of overhead mast ?????
- Temporary relocation of poles
- Keeping customers in service during construction may add costs

COWLES & THOMPSON

A Professional Corporation

ATTORNEYS AND COUNSELORS



JOHN M. HILL
214.672.2170
JHILL@COWLESTHOMPSON.COM

September 13, 1999

Southwestern Bell
ATTN: Mr. David L. Noble, Director in Engineering
One Bell Plaza, Room 1625
Dallas, Texas 75202

Re: Widening and straightening project – Belt Line and Addison Roads

Dear Mr. Noble:

As discussed in our meeting of March 26, 1999 meeting between representatives from the Town of Addison and Southwestern Bell, the Town of Addison (the "Town") is moving forward with its straightening and widening project concerning Belt Line and Addison Roads, as detailed below. Pursuant to the authority in the Franchise with Southwestern Bell, Ordinance No. 97-023, Sections 5 and 11(c), and in accordance with Texas Utility Code, Section 54.204(c), wherein Southwestern Bell, as a certificated telecommunications utility, is required to relocate its facilities at the utility's expense, to permit widening and straightening of the streets, and in accordance with the Texas Utility Code, Section 181.089, we hereby give you 30 days notice of the widening and straightening of Addison Road and that your facilities located along Addison Road will be required to be relocated at your expense, in accordance with state law.

If you would like an opportunity to be heard on this matter, please notify us promptly.

Addison Road:

Specifically, Addison Road will be widened and straightened, beginning in the year 2001 and continuing through the year 2009 in three phases: (1) Belt Line Road to the Addison Conference and Theatre Centre in the year 2001, (2) the Conference Centre to Keller Springs Road in the year 2005, and (3) Keller Springs to West Grove in the year 2009. In the widening and straightening of Addison Road, there will be no right-of-way or utility easements available on either side of the roadbed for placement of overhead utility poles or underground facilities. The entire roadbed will occupy the right-of-way. Therefore, any current overhead structures will need to be relocated underground or located elsewhere underground in the Town.

Belt Line Road:

Belt Line Road will be widened and straightened in two phases beginning in the year 2005 and ending 2007: (1) Phase I would be between Midway Road to Addison Road in 2005, and (2) Phase II would be from Addison Road to the Tollway in 2007. There will be adjacent underground utility easements, which may be utilized for underground facilities.



Southwestern Bell
September 13, 1999
Page 2

The Town is anticipating spending approximately in excess of \$6,000,000.00 in constructing a conduit system to assist you in placing your facilities underground. The Town would bear the full expense of those conduits, but the utility would bear the entire expense of relocating its facilities to those conduits. We appreciate your usual courtesies concerning these matters.

Very truly yours,



John M. Hill

JMH:wn

cc: Mr. Clem Lear, Director of External Affairs
Southwestern Bell
1440 Empire Central, Suite 140
Dallas, Texas 75247

Mr. Randy Moravec
Mr. John Baumgartner ✓
Mr. Kenneth C. Dippel
Mr. Clarence West

COWLES & THOMPSON

A Professional Corporation

ATTORNEYS AND COUNSELORS



JOHN M. HILL
214.672.2170
JHILL@COWLESTHOMPSON.COM

September 13, 1999

TXU Electric & Gas
ATTN: Jeanne Hooker, Manager
14400 Josey Lane
Farmers Branch, Texas 75234

Re: Street widening and straightening project – Belt Line and Addison Roads

Dear Ms. Hooker:

As discussed in the March 26, 1999 meeting between representatives from the Town of Addison and TXU, the Town plans to straighten and widen Addison Road from Belt Line Road to Keller Springs Road, pursuant to the authority in the Franchise Agreement, Ordinance No. 1, between the Town of Addison, Texas, and TXU Electric & Gas (the "Electric Utility"), Section 2, which provides that "The location of all poles, conduits and other structures shall be fixed under the supervision of the street and alley committee of the Town of Addison, or the successors of the duties of that committee..." The successor to that committee is the Town Manager. On behalf of the Town Manager, and pursuant to state law (Tex. Util. Code 37.102), the Town is hereby giving the Electric Utility the required 30 days notice to relocate its facilities at its expense in accordance with the state law, due to the street project detailed below.

Addison Road:

Specifically, Addison Road will be widened and straightened, beginning in the year 2001 and continuing through the year 2009 in three phases: (1) Belt Line Road to Addison Conference and Theatre Centre in the year 2001, (2) the Conference Centre to Keller Springs Road in the year 2005, and (3) Keller Springs to West Grove in the year 2009. In the widening and straightening of Addison Road, there will be no right-of-way or utility easements available on either side of the roadbed for placement of overhead utility poles or underground facilities. The entire roadbed will occupy the right-of-way. Therefore, any current overhead structures will need to be relocated underground or located elsewhere underground in the Town.

Belt Line Road:

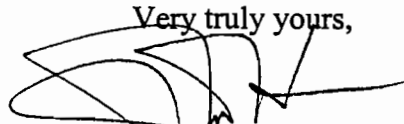
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TXU Electric & Gas
September 13, 1999
Page 2

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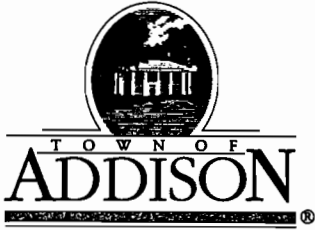
Very truly yours,



John M. Hill

JMH:wn

cc: Mr. Randy Moravec
Mr. John Baumgartner ✓
Mr. Kenneth C. Dippel
Mr. Clarence West



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

Not Sent

August 5, 1999

Mr. Bruce W. Nutt, P.E., Supervisor
East Design Engineering Service
TXU
1506 Commerce Street - 3E
Dallas, TX 75201

Re: Addison Road - Belt Line Road to Keller Springs Road

Dear Mr. Nutt:

Last June we met with you, Ron Edwards and Joel Porter regarding the Town's interest in placing all utilities underground along Addison Road, From Belt Line Road to Keller Springs Road, as part of our road widening project.

We have since determined that the cost of placing the utilities underground will exceed the project budget. Therefore, we will proceed with the design of the project by relocating the above ground facilities as is normally done.

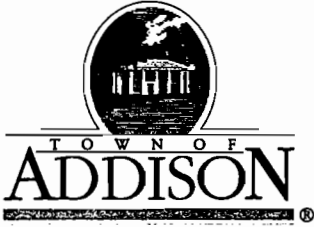
Please call me at 972-450-2879 if you have any questions.

Very truly yours,

Town of Addison

James C. Pierce, Jr., P.E., DEE
Assistant City Engineer

cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works
Joel Porter, TXU



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

August 5, 1999

Mr. Bob Sands
Manager-Engineering Design
Southwestern Bell Telephone
275 N. Greenville Ave., 2nd Floor
Richardson, TX 75081

Re: Addison Road – Belt Line Road to Keller Springs Road

Dear Mr. Sands:

Last May we met with you and Tom Ross regarding the Town's interest in placing all utilities underground along Addison Road, From Belt Line Road to Keller Springs Road, as part of our road widening project.

We have since determined that the cost of placing the utilities underground will exceed the project budget. Therefore, we will proceed with the design of the project by relocating the above ground facilities as is normally done.

Please call me at 972-450-2879 if you have any questions.

Very truly yours,

Town of Addison

James C. Pierce, Jr., P.E., DEE
Assistant City Engineer

cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

August 5, 1999

Mr. Steve Purcell
Outside Plant Project Engineer
MCI Worldcom
2270 Lakeside Blvd
Richardson, TX 75082

Re: Addison Road – Belt Line Road to Keller Springs Road

Dear Mr. Purcell:

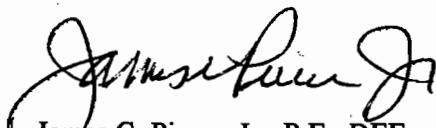
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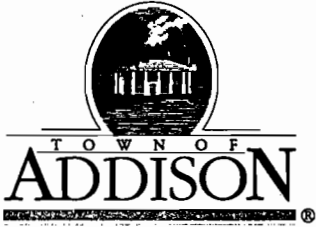
Very truly yours,

Town of Addison



James C. Pierce, Jr., P.E., DEE
Assistant City Engineer

cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

August 5, 1999

Mr. Steve Mills
New Build Project Coordinator
TCI Cablevision of Texas, Inc.
919 W. Mayfield Road
Arlington, TX 76015

Re: Addison Road – Belt Line Road to Keller Springs Road

Dear Mr. Mills:

This past June I wrote to you regarding the Town's interest in placing all utilities underground along Addison Road, From Belt Line Road to Keller Springs Road, as part of our road widening project.

We have since determined that the cost of placing the utilities underground will exceed the project budget. Therefore, we will proceed with the design of the project by relocating the above ground facilities as is normally done.

Please call me at 972-450-2879 if you have any questions.

Very truly yours,

Town of Addison

James C. Pierce, Jr., P.E., DEE
Assistant City Engineer

cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

August 5, 1999

Mr. Jim Peck
ATT Local Services
717 Harwood, Suite 510
Dallas, TX 75201

Re: Addison Road – Belt Line Road to Keller Springs Road

Dear Mr. Peck:

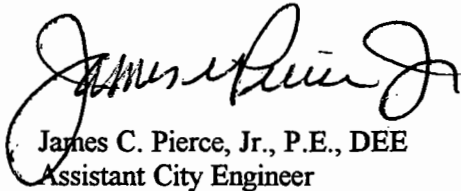
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Please call me at 972-450-2879 if you have any questions.

Very truly yours,

Town of Addison



James C. Pierce, Jr., P.E., DEE
Assistant City Engineer

cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works

Voice message:

7-14-99

Damon Anderson

Charter Commo.

972-938-9288

X3022

Have No CATV in area

Clear of that.

7-23-99 Called back to clarify response
left a voice mail message

TOWN OF
ADDISON

Fax-ed

PUBLIC WORKS

To: Sherry Gearner

Company: Charter Commo.

FAX #: 1-817-740-9518

Date: 7-8-99

of pages (including cover): 2

Re: Addison Road Widening

From: James C. Pierce, Jr., P.E., DEE
Assistant City Engineer
Phone: 972/450-2879
FAX: 972/450-2834

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

Original in mail

Per your request

FYI

Call me

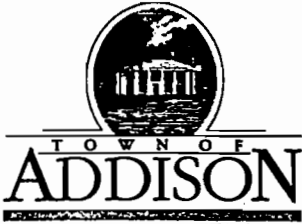
Comments: _____

*Copy of my letter of 6-21-99
to Mr Camicia as we discussed.*

Jim

*Sherry will route to the right
person & will provide a response.*

Sent Certified, Return Receipt.



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

June 21, 1999

Mr. Joseph Camicia
Charter Communications
2911 Turtle Creek Blvd., Suite 1300
Dallas, TX 75219

Re: Addison Road - Belt Line Road to Keller Springs Road

Dear Mr. Camicia:

The Town of Addison is currently completing construction plans for the reconstruction and widening of Addison road from Belt Line Road to Keller Springs Road. The Town desires to place all utilities underground. Preliminary planning includes a duct bank system located directly behind the future back of curb running along the east and west sides of the roadway.

We request that you review your current and future needs along this corridor and notify us of your desire to be, or not to be, included in this duct bank system. If you desire to reserve capacity in the duct system, please identify your needs and provide them to us. As a minimum we will need to know the number and size of the conduits you desire to reserve, and what side of the road you would like to be on. Any other information that you may have available for planning and construction of this duct bank would be helpful to us.

We request letters of interest be returned to us by July 26, 1999, along with any planning information you may have at that time. At that time we will complete our preliminary sizing and proceed to our next phase of the project. We are available to meet with you to discuss this matter further and to show you preliminary roadway plans.

Please call me at 972-450-2879 if you have any questions.

Sincerely,

James C. Pierce, Jr., P.E.

Cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works

7-7-99

~~Randall Cole~~

~~214-668-3486~~

~~Questions~~

Joe Comicia / letter / ^{addition} RD

Beltline / Keller Springs

Contact:

Ferrel Maslay-

817-509-6272

Faxed letter to Ferrell

Ext 3302 Jamie, Ferrells
assistant

Sherri Garner
Govt Relations EXT 3313

IMPORTANT MESSAGE

FOR Jim P.
DATE 6/29/99 TIME 2:15 SE A.M.
M Mary Searee
OF Charter Communications
PHONE 972 938-9288 EXTENSION 3016
Q FAX
Q MOBILE AREA CODE NUMBER TIME TO CALL

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	
CAME TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RUSH	
RETURNED YOUR CALL		WILL FAX TO YOU	

MESSAGE _____

SIGNED _____

IMPORTANT MESSAGE

FOR Jim
DATE 7/8/99 TIME 2 P.M. A.M.
M Charter Sherry
OF Charter Communications
PHONE 817 509 6272 EXTENSION
Q FAX
Q MOBILE AREA CODE NUMBER TIME TO CALL

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input checked="" type="checkbox"/>
CAME TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RUSH	
RETURNED YOUR CALL		WILL FAX TO YOU	

MESSAGE Sherry Fax:
1-817-740-9518
Garner

PS Form 3811, July 1983 (47-845)

SENDER - Complete items 1, 2, 3 and 4

Put your address in the "RETURN TO:" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to, and the date of delivery. For additional fees, the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- 1 Show to whom, date and address of delivery.
- 2 Restricted Delivery.

3 Article Addressed to:
 Joseph Camacho
 2911 Turtle Creek Blvd # 1300
 Dallas TX 75219

4 Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	Z 474 220 121

Always obtain signature of addressee or agent and DATE DELIVERED.

5 Signature - Addressee
x *Joseph Camacho*

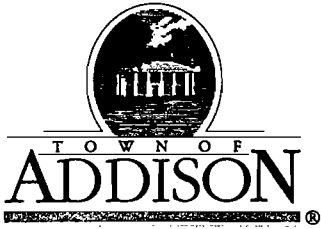
6 Signature - Agent
X

7 Date of Delivery
JUN 22 1999

8 Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Sent Certified, Return Receipt.



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

June 21, 1999

Mr. Joseph Camicia
Charter Communications
2911 Turtle Creek Blvd., Suite 1300
Dallas, TX 75219

Re: Addison Road - Belt Line Road to Keller Springs Road

Dear Mr. Camicia:

The Town of Addison is currently completing construction plans for the reconstruction and widening of Addison road from Belt Line Road to Keller Springs Road. The Town desires to place all utilities underground. Preliminary planning includes a duct bank system located directly behind the future back of curb running along the east and west sides of the roadway.

We request that you review your current and future needs along this corridor and notify us of your desire to be, or not to be, included in this duct bank system. If you desire to reserve capacity in the duct system, please identify your needs and provide them to us. As a minimum we will need to know the number and size of the conduits you desire to reserve, and what side of the road you would like to be on. Any other information that you may have available for planning and construction of this duct bank would be helpful to us.

We request letters of interest be returned to us by July 26, 1999, along with any planning information you may have at that time. At that time we will complete our preliminary sizing and proceed to our next phase of the project. We are available to meet with you to discuss this matter further and to show you preliminary roadway plans.

Please call me at 972-450-2879 if you have any questions.

Sincerely,

James C. Pierce, Jr., P.E.

Cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works

ESTIMATED COST for UG FACILITIES in ADDISON

(Addison Rd- Beltline to Keller Spr's)

	# of Units or ft/	Total
PMH Switchgear	28	\$1,050,000
6E6 duct bank	5200	\$1,014,000
4E6 duct bank	0	\$0
4" conduit/trench	8000	\$240,000
manhole	16	\$528,000
1000 kcmil AL cable	10400	\$546,000
1/0 AL cable - 3 phase	4000	\$90,000
Riser 1/0 AL	20	\$120,000
Riser 1000 kcmil AL	2	\$30,000
1/0 transformer	30	\$315,000
3 phase transformers - lg	1	\$48,750
3 phase transformers - med	1	\$35,250
Street boring	14	\$84,000
Streetlights	<i>Not included</i>	\$0
		\$4,101,000
OH relocation costs (credit to job)		\$330,000
GRAND TOTAL		\$3,771,000

Credit may be high, some poles may not need to be relocated

Other Concerns

- Padmount Transformers - Require 10X10 easement
- PMH Switchgear - Require 20X20 easement
- Customer re-wire to accommodate UG service
- Customer will need to install new UG service from meterbase to transformer
- Removal of overhead mast ?????
- Temporary relocation of poles
- Keeping customers in service during construction may add costs

Address
Rd

Sprint
Engr Office

6-22-99

214-525-4000

Engr Mgr.

John ~~to~~ Underwood - 4126
- Sprint PCS -

→ Karen Mitchell

Karen called:

214-525-4045

Discussed the need to provide/reserve space in conduit for Sprint. Karen stated that if they put a tower in the area, they would need power & telephone that could be provided by others. Therefore, Sprint would not need any underground facilities.

- ◆ About Sprint
- ◆ Sprint Directory
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- ◆ Sports & Sponsorship
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- ◆ Press Relations
- ◆ Sprint History
- ◆ Sprint Quality
- ◆ Supplier Diversity
- ◆ Tariffs
- ◆ Sprint Homes



Sprint Directory

Sprint World Headquarters

2330 Shawnee Mission Parkway
Westwood, KS 66205
(913) 624-3000

Sprint's Long Distance Division

Headquarters
8140 Ward Parkway
Kansas City, MO 64114
(913) 624-6000

◆ Products & Services

Business Services Group

(Business customers)
Business Marketing
5420 LBJ Freeway
Dallas, TX 75240
(972) 405-5000

Wholesale Services Group

(Wholesale Solutions)
8140 Ward Parkway
Kansas City, MO 64114
(913) 624-6000

Government Systems Division

(Federal, state and local governments)
13221 Woodland Park Road
Herndon, VA 22071
(703) 904-2000

Consumer Services Group

(Residential customers)
8140 Ward Parkway
Kansas City, MO 64114
(913) 624-6000

Multimedia

(Internet, Telemedia, video and
messaging)
8140 Ward Parkway
Kansas City, MO 64114
(913) 624-6000

Sprint's Local Communications Division

Headquarters
2330 Shawnee Mission Parkway
Westwood, KS 66205
(913) 624-3000

**Sprint United Telephone
(Eastern)**

1201 Walnut Bottom Road
Carlisle, PA 17013
(717) 245-6312

**Sprint United Telephone
(Florida)**

555 Lake Border Drive
Apopka, FL 32703
(407) 889-6000

Sprint/Mid-Atlantic Telecom

14111 Capital Boulevard
Wake Forest, NC 27587
(919) 554-7900

**Sprint United Telephone
(Midwest)**

5454 West 110th Street
Overland Park, KS 66211
(913) 345-7600

Sprint Central Telephone

Sprint United Telephone

(Nevada)

330 South Valley View
Boulevard
Las Vegas, NV 89152
(702) 244-7171

Sprint United Telephone

(Northwest)

902 Wasco Street
Hood River, OR 97031
(541) 386-2211

(North Central)

665 Lexington Avenue
Post Office Box 3555
Mansfield, OH 44907
(419) 755-8011

**Sprint's Product Distribution / Directory Publishing
Division**

Sprint North Supply

600 New Century Parkway
New Century, KS 66031
(913) 791-7000

**Sprint Publishing &
Advertising**

7015 College Boulevard
Suite 400
Overland Park, KS 66211
(913) 491-7000

Joint Ventures

Global One (World)

12490 Sunrise Valley Drive
Reston, VA 22096
(703) 689-6000

Global One (Europe)

Park Atrium
Rue des Colonies 11
B-1000 Brussels, Belgium
(011) 32-2-545-2000

Sprint PCS

4717 Grand Avenue
Kansas City, MO 64112
(816) 559-1000

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Send us your site comments and service suggestions



Carter & Burgess

Consultants in Engineering, Architecture,
Planning and the Environment

FACSIMILE TRANSMITTAL

DATE: 19 MAY 1999

TIME: 12:15 pm

TO:

NAME: JIM PIERCE

FIRM: TOWN OF ADDISON

FAX NUMBER: 972/450-2834

FROM:

NAME: WENDY MARTINEZ

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TEXAS 75247
OFFICE PHONE: (214) 638-0145
FAX PHONE: (214) 638-0447 - Upstairs
(214) 638-5632 - Downstairs

COMMENTS: HERE IS A LIST OF FRANCHISED UTILITIES WHICH
WE & ANDY EADS PUT TOGETHER. AS YOU CAN SEE, WE HAVE
SOME HOLES; I BELIEVE THAT SOME OF THESE, HOWEVER,
ARE RETAILERS AND DO NOT ACTUALLY HAVE
FACILITIES. (E.G. ADDISON CIRCLE ONE, PLANNED CABLE
SYSTEMS). PLEASE LET ME KNOW IF YOU NEED
ADDITIONAL INFORMATION

NUMBER OF PAGES (INCLUDING COVER SHEET): 5 PAGES

Carter & Burgess, Inc. 7950 Elmbrook Suite 250 Dallas, Texas 75247-4951
(214) 638-0145 Metro (214) 263-2019 Fax (214) 638-0447

5-19-99 Left message for Andy Eads - better list
5-20 CC to John B.

Franchised Utility

Southwestern Bell	Telecom
Southwestern Bell Telephone	Extension
Teleport Communication Dallas, Inc (now ATT Local Services)	Telecom
Brook Fiber World Comm	Telecom
TCG Dallas, Inc. (now ATT Local Services - see above)	Telecom
Metropolitan Fiber System of Dallas, Inc. (now World Comm)	Telecom
Spring Settlement <i>Randy</i>	Telecom
MCI Metro Access Transmission Services, Inc.	Cable TV
TCI Cable	Cable TV
Marcus Cable <i>Randy ?</i>	Telecom
ObjectSpace	Conduits
Southwestern States Bankcard Assn. X	Conduits
Qwest Communications X	Telecom
US Sprint	Private Line
J-W Operating Company X	Cable TV and Telecom
Addison Circle One, Ltd. X	Telecom
Cablesystem of Addison, Inc. X	Cable TV and Telecom
Planned Cable Systems ?	Electric
Texas Power and Light (no longer inbusiness)	Electric
Texas Utilities	Gas/Pipeline
Lone Star Gas (now Texas Utilities - see above)	Pipeline
Con-Dor Pipeline Co. X	Pipeline (fuel oil)
Explorer Pipeline Co. X	Telecom
ATT (letter sent to ATT Local Services - see Teleport Communications above)	Telecom
GTE	

West States
Denny
214-215-3189
leftward

Franchised Utility

- ✓ Southwestern Bell
- ✓ Southwestern Bell Telephone
- ✓ Teleport Communication Dallas, Inc (now ATT Local Services)
- Brock Fiber World Comm
- TEG Dallas, Inc (now ATT Local Services - see above)
- Metropolitan Fiber System of Dallas, Inc. (now World Comm) —
- Spring Settlement. Randy
- MCI Metro Access Transmission Services, Inc.
- ✓ TCI Cable ~~At the former Steve Mills & Co. building lots~~
- Merewe-Gebbe Randy Charter Communications
- ObjectSpace
- Southwestern States Bankcard Assn.
- Qwest Communications
- US Sprint
- J-W Operating Company
- Addison Circle One, Ltd.
- Cablesystem of Addison, Inc.
- Planned Cable Systems Randy
- Texas Power and Light (no longer in business)
- Texas Utilities
- Lone Star Gas (now Texas Utilities - see above)
- Con-Dor Pipeline Co.
- Explorer Pipeline Co.
- ATT (letter sent to ATT Local Services - see Teleport Communications above)
- GTE

Address

- 2335 Jett Farmers Branch, TX 75234
- 311 S. Akard 4 Bell Plaza 8th Floor, Dallas, TX 75202
- 717 N. Harwood #510 Dallas, TX 75201
- 2477 Gateway Drive Irving, TX 75063
- World Comm Tax Department P.O. Box 7 Clinton, MS 39060
- 8521 Leesburg Pike Vienna, VA 22182
- 934 East Canterville Garland, TX 75041
- 2911 Turtle Creek Blvd. #1300 Dallas, TX 75218
- 14881 Quorum Drive #400 Addison, TX 75001
- 4316 Bryan St. Dallas, TX 75204
- P.O. Box 226406 Dallas, TX 75222
- Post Properties, Inc. 15851 Dallas Parkway #855, Addison, TX 75001
- 14400 Josey Lane Farmers Branch, TX 75234
- 2856 County Rd. 2168 Caddo Mills, TX 75135

Sprint -
972-405-5000

5055 Keller Springs Rd #400
Dallas 75248
972-349-7000

Sprint
600 N. Pearl St
972-405-8000
Kansas City

<u>Franchised Utility</u>	<u>Administrative Contact</u>	<u>Phone Number</u>	<u>Mapping Contact</u>
Southwestern Bell	Jeff Byers	214-464-0166	
Southwestern Bell Telephone	John Mitchell	214-464-1989	
Teleport Communication Dallas, Inc (now ATT Local Services)	Dick Ivey	972-774-6024	
Brook Fiber World Comm	Bill Pritchett	972-753-4355	Lee Cannon
TCG Dallas, Inc. (now ATT Local Services - see above)	Gerry White	601-460-8358	
Metropolitan Fiber System of Dallas, Inc. (now World Comm)	Marilyn Haroutunian	703-918-0706	
Spring Settlement	Dennis Watson	972-840-5899	
MCI Metro Access Transmission Services, Inc.	Joseph Camicia	214-523-8403	Left word 6/21/99
TCI Cable	Craig Harrington		
Marcus Cable Charter Communications			
ObjectSpace			
Southwestern States Bankcard Assn.			
Qwest Communications		214/212-0562	Danny States
US Sprint			
J-W Operating Company	H.G. Westerman, Jr.	972-233-6191	
Addison Circle One, Ltd.	Bryant Nail	972-770-5174	
Cablesystem of Addison, Inc.			
Planned Cable Systems			
Texas Power and Light (no longer in business)			
Texas Utilities	Jeanne Hooker	972-888-1302	Louis Meadors 214-
Lone Star Gas (now Texas Utilities - see above)			
Con-Dor Pipeline Co.			
Explorer Pipeline Co.	Richard Allen	903-527-1262	Carl (Buth) Eby
ATT (letter sent to ATT Local Services - see Teleport Communications above)			
GTE			

Charter - 214-521-7898 } From phone Co information
 2911 Turtle Creek Blvd. 75219

972-938-0333
 Quest Svc.

<u>Franchised Utility</u>	<u>Maps Received</u>	<u>Field Locator</u>	<u>Intro Letter Sent</u>
Southwestern Bell			Yes
Southwestern Bell Telephone		Dig Tess	Yes
Teleport Communication Dallas, Inc (now ATT Local Services)		Dig Tess	Yes
Brook Fiber World Comm			
TCG Dallas, Inc. (now ATT Local Services - see above)		Dig Tess	Yes
Metropolitan Fiber System of Dallas, Inc. (now World Comm)			
Spring Settlement			
MCI Metro Access Transmission Services, Inc.		Dig Tess	Yes
TCI Cable		Dig Tess	Yes
Marcus Cable		Dig Tess	Yes
ObjectSpace			
Southwestern States Bankcard Assn.		Dig Tess	Yes
Qwest Communications		Dig Tess	Yes
US Sprint			
J-W Operating Company			
Addison Circle One, Ltd.			
Cablesystem of Addison, Inc.			
Planned Cable Systems			
Texas Power and Light (no longer inbusiness)			
Texas Utilities			Yes
Lone Star Gas (now Texas Utilities - see above)	534-5885	Dig Tess	
Con-Dor Pipeline Co.			
Explorer Pipeline Co.		Dig Tess	Yes
ATT (letter sent to ATT Local Services - see Teleport Communications above)		Dig Tess	
GTE			



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

June 18, 1999

Mr. Jim Peck
ATT Local Services
717 Harwood, Suite 510
Dallas, TX 75201

Re: Addison Road - Belt Line Road to Keller Springs Road

Dear Mr. Peck:

The Town of Addison is currently completing construction plans for the reconstruction and widening of Addison road from Belt Line Road to Keller Springs Road. The Town desires to place all utilities underground. Preliminary planning includes a duct bank system located directly behind the future back of curb running along the east and west sides of the roadway.

We request that you review your current and future needs along this corridor and notify us of your desire to be, or not to be, included in this duct bank system. If you desire to reserve capacity in the duct system, please identify your needs and provide them to us. As a minimum we will need to know the number and size of the conduits you desire to reserve, and what side of the road you would like to be on. Any other information that you may have available for planning and construction of this duct bank would be helpful to us.

We request letters of interest be returned to us by July 23, 1999, along with any planning information you may have at that time. At that time we will complete our preliminary sizing and proceed to our next phase of the project. We are available to meet with you to discuss this matter further and to show you preliminary roadway plans.

Please call me at 972-450-2879 if you have any questions.

Sincerely,

James C. Pierce, Jr., P.E.

Cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

June 21, 1999

Mr. Steve Mills
New Build Project Coordinator
TCI Cablevision of Texas, Inc.
919 W. Mayfield Road
Arlington, TX 76015

Re: Addison Road - Belt Line Road to Keller Springs Road

Dear Mr. Mills:

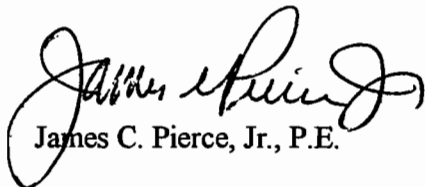
The Town of Addison is currently completing construction plans for the reconstruction and widening of Addison road from Belt Line Road to Keller Springs Road. The Town desires to place all utilities underground. Preliminary planning includes a duct bank system located directly behind the future back of curb running along the east and west sides of the roadway.

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Sincerely,



James C. Pierce, Jr., P.E.

Cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works

To: Mr. James Pierce Public Works Department/ City of Addison

From: Jordy Reeves MCIW Project Manager - OSPC Richardson, Tx.


Date: **19-Jul-99**

Subject: **Addison Road - Beltline to Keller Springs Road.**

Dear Sirs:

MCIW OSPC Central Region (Legacy MCI) and our Local E&I Group (Legacy WCOM/ MFS/ Brooks), have no plans at this time or in the foreseeable future to occupy City of Addison Right of Way on the above mentioned street..... We thank you though for the consideration ahead of time for your future construction.

Jordy Reeves



7/19/99

Project Manager - OSPC Central Region

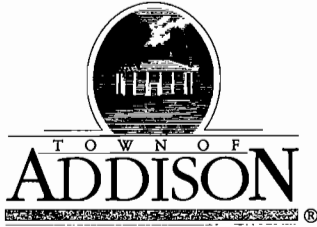


**MCI Telecommunications
Corporation**

Jordy Reeves

City Engineer, OSP Implementation
Dallas - Ft. Worth, OSP Construction
networkMCI Services

2250 Lakeside Boulevard
Richardson, TX 75082
972 918 1486
Cellular 214 674 0555
Pager 1 800 759 8888 PIN: 471 8456



PUBLIC WORKS DEPARTMENT

Post Office Box 9010 Addison, Texas 75001-9010

(972) 450-2871

16801 Westgrove

June 18, 1999

Mr. Steve Purcell
Outside Plant Project Engineer
MCI
2270 Lakeside Blvd
Richardson, TX 75082

Re: Addison Road - Belt Line Road to Keller Springs Road

Dear Mr. Purcell:

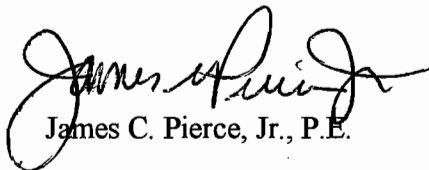
The Town of Addison is currently completing construction plans for the reconstruction and widening of Addison road from Belt Line Road to Keller Springs Road. The Town desires to place all utilities underground. Preliminary planning includes a duct bank system located directly behind the future back of curb running along the east and west sides of the roadway.

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Sincerely,



James C. Pierce, Jr., P.E.

Cc: Chris Terry, Assistant City Manager
John Baumgartner, Director of Public Works

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

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

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

May 21, 1999

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

Re: Addison Road
Utility Ducts

Dear Mr. Pierce:

In accordance with your request, we are enclosing a draft letter for your use in contacting utility companies that may have a desire to occupy one or more conduits in the proposed underground conduit system along Addison Road. We recommend that this be a blanket letter, sent to all known utilities currently in the Town. We are available at your convenience to discuss any questions you may wish to discuss with the draft letter.

Sincerely,



John W. Birkhoff, P.E.

Enclosure

Addision Rd Meeting

4-5-99

Bot Sands, Tom Ross, John, Jim & John Birkhoff
Digital Svcs

Buried Cables on both sides / in bad shape

TS1 - need satisfied

DS3's request - need to install

How do we share a commo duct bank
Separate Manholes -

Go Aerial on Addision - temporary

Keller Springs Underground -

Go aerial on Keller Springs Too -

Cable in ground is more economical in long run.

SW Bell can build the duct bank &
lease to other providers.

We may build the duct bank - &
lease to providers

1. Get ROW
2. Const New Duct Bank
3. Move cables to new duct bank
4. Const. New Road

ESTIMATED COST for UG FACILITIES in ADDISON
(Addison Rd- Beltline to Keller Spr's)

	# of Units or ft/	Total
PMH Switchgear	28	\$1,050,000
6E6 duct bank	5200	\$1,014,000
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Streetlights	<i>Not included</i>	\$0
		\$4,101,000
OH relocation costs (credit to job)		\$330,000
GRAND TOTAL		\$3,771,000

John
 FYI
 I faxed
 a copy to
 Binkhoff

Jim
 OK

*Credit may be high, some poles
 may not need to be relocated*

Other Concerns

- Padmount Transformers - Require 10X10 easement
- PMH Switchgear - Require 20X20 easement
- Customer re-wire to accommodate UG service
- Customer will need to install new UG service from meterbase to transformer
- Removal of overhead mast ?????
- Temporary relocation of poles
- Keeping customers in service during construction may add costs

Address Rd Widening

June 1st

Bruce Nutt

Joel Porter

Ron Edwards

E. Side - 2 major circuits

May need to build a temporary line to serve customers while conduit system is built.

Customer must do rewire - Meter + pad mount.
Est. UG System previously - Bruce will send E-mail -

Need a 15' easement for Manholes (12' x 12')

MTHs must be separate - Dust Bank can be the same -

Can ~~separate~~ transformers be put underground
Gas usually on the top

2 ~~circuits~~ conduits for each circuit
(one spare)

Want 6" conduit 6 times 3" separator
6" sep from Telephone conduits

Less expensive to provide crossings -

Town/Customer built to TU Specs OK

Our ordinance requires all laterals underground.
Must wood coat with gas cov.

Oldcastle/Mansfield - is Precaster w. Brightout Brooks & others

Will get back to us with layout & costs.

Jim Pierce

From: binmon@tue.com
Sent: Monday, May 24, 1999 2:08 PM
To: jpierce@ci.addison.tx.us
Subject: Re: Addison Road Widening

Please send any information on this project to my supervisor, Bruce Nutt. I have forwarded this note to Bruce. His e-mail address is bnutt1@tuelectric.com. He has had discussions with Mrs. Hooker about this project. Thanks.

214-812-7051

Bobby 214-812-7310

Outages - Joel should be working on these
Hang Transfom
Order Pedestals
Set pad out X former

Jim Pierce

From: Jim Pierce
Sent: Monday, May 24, 1999 8:52 AM
To: Joel Porter (E-mail); Bobby Inmon (E-mail)
Cc: Jeanne Hooker (E-mail); John Baumgartner
Subject: Addison Road Widening

We are presently in the design phase of widening Addison Road from Belt Line Rd. to Keller Springs Rd. We plan to place all utilities that are now overhead, underground, in a duct system that will serve now and in the future. I would like to schedule a meeting with appropriate TXU people, and our consulting engineer, to discuss the details. Please give me a call at 972-450-2879. Thanks, Jim.



**TU ELECTRIC
SPECIFICATIONS FOR
MANHOLE & CONDUIT
LINE FACILITIES**

SPECIFICATION MDD-5

October 21, 1994

APPROVED BY TU ELECTRIC



**SPECIFICATIONS FOR MANHOLE
AND CONDUIT LINE FACILITIES
MDD-5**

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TU SPEC.: MDD-5

Page 1 of 18

I SCOPE

This document, when applied in conjunction with the construction drawing, represents the minimum requirements and specifications for a TU Electric Company manhole and conduit line system.

II DEFINITIONS

- A. Company: Texas Utilities Electric Company and its designated representatives.
- B. Contractor: Individual or firm performing work for TU Electric.

III CODES

All applicable building and safety codes shall be followed in the design and construction of the manhole and conduit line system. Included, but not limited to, are the following:

- A. Local City Building Code
- B. The National Electrical Safety Code (NESC)
- C. The contractor shall be familiar with and shall comply with all applicable requirements of these specifications and with OSHA requirements. If there are any conflicts or omissions, the OSHA requirements shall be met. Any conflict or omission shall not relieve the contractor of responsibility of complying with OSHA requirements.
- D. Local City Location and Coordination Policy (if applicable)
- E. The American Concrete Institute (ACI)
- F. The American Society for Testing and Materials (ASTM)
- G. State Department of Highways and Public Transportation-Utility Accommodation Policy

IV GENERAL

A. UTILITIES

- 1. The Contractor shall locate and protect all existing utilities, whether indicated on the design drawings or discovered during the work. The Contractor shall immediately notify the Company's Authorized Representative when any utility not previously indicated or inaccurately indicated on the design drawing is discovered.

2. The Contractor shall coordinate with the utility owner and shall allow entrance, opportunity, and ample time for all utility relocations, extensions, and modifications necessitated by the work.
- B. DEWATERING - The Contractor shall remove all existing standing water located on the work site. Furthermore, the Contractor shall maintain the work site, including excavations, pits and all other depressions, free from surface water.
1. Drainage
 - a. The Contractor shall stockpile all materials required for or resulting from the work in a manner which will minimize the obstruction of the natural flow.
 - b. When operations are interrupted by unfavorable weather conditions, the Contractor shall prepare the work site to avoid ponding and erosion.
 2. Clearing - No trees shall be cut or removed, except as directed by the Company's Authorized Representative. The Contractor shall use proper care to prevent damage to trees which are to remain on site.
- C. TRENCH SAFETY - The contractor is responsible for obtaining and implementing the trench safety program. Three copies of the trench safety specifications (certified by a professional engineer) shall be supplied to TU Electric before construction begins.
- D. CONSTRUCTION SCHEDULE - The contractor shall supply a construction schedule to TU Electric before construction begins.
- E. MATERIALS - This is a turnkey job. The contractor shall supply all materials for this job including manholes, necks, frames and covers, con-seal, ground rods, PVC conduit, PVC bends, PVC couplings, tie-wraps, conduit spacers, PVC adhesive, concrete, select backfill, pull strings, G. I. Bends, G. I. conduit, pre-cast switchgear pads, etc., per TU Electric Specifications. See attached amendment to contract for possible exceptions.
- F. SURVEY - Unless otherwise noted, TU Electric shall be responsible for providing all surveying work needed to insure that the duct structure is constructed per the design.
- G. PERMITS - The contractor is responsible for obtaining city permits, and all construction shall be in accordance with city specifications. See attached amendment to contract for possible exceptions.
- H. WORKING HOURS - Under normal working conditions the placement of concrete shall be done between the hours of 8:00 A.M. - 4:30 P.M. on week days. TU Electric shall be notified 2 hours prior to the delivery of concrete and shall be present during placement.
- I. STREET CLEAN-UP - The contractor shall be responsible for cleaning paved streets that have been soiled by their construction vehicles within 24 hours after notification.
- J. RAMPS - The contractor may need to install ramps to protect street curbs from damage due to construction vehicle traffic.
- K. TRAFFIC COORDINATION - Contractor shall have flag-men, road signs, etc. to coordinate traffic around the job site per city or state requirements.
- L. SPOILS - All unused spoils shall be hauled off the job site by the contractor.
- M. AS-BUILTS - Contractor shall supply TU Electric one set of as-built drawings upon completion of job.

V **COMPANY RESPONSIBILITY** - The following shall be performed by and be the responsibility of the Company:

- A. The Company inspector is to inspect all manhole installations prior to the placing of backfill and all conduit installations prior to the placement of concrete.
- B. The Company inspector is responsible for coordinating all field changes with Engineering.
- C. All testing of concrete and backfill, which is deemed necessary by the Company, is to be performed by a local testing laboratory at the Company's expense.

VI **CONTRACTOR'S RESPONSIBILITY**

A. DIRECT BURIED CONDUIT

- 1. Direct buried conduit to be limited to a maximum of four conduits per ditch and set in standard Carlon spacers with three inch spacing.
- 2. Ditch bottom should be undisturbed, tamped, or relatively smooth earth.
- 3. All backfill within six inches of conduit should be free of solid material larger than one inch in maximum dimension, and have no sharp edges. The material should fill the voids around the conduit to prevent hot spots and settling.
- 4. All backfill should be free of debris or other material that may damage the conduit or cause settling.
- 5. Backfill shall be adequately compacted. Backfill clear of pavement should be compacted to the density of surrounding undisturbed soil. Backfill under pavement should be compacted to not less than 95% of the maximum dry density of surrounding undisturbed soil.
- 6. When complete, each conduit installed will be checked by pulling a mandrel/swab through the entire length of conduit.

B. DUCT STRUCTURE INSTALLATION (concrete encased)

- 1. All conduit shall be concrete encased with a minimum of 3" of concrete. The top conduits of any duct structure shall have a 3" or 6" minimum cover depending on location site. Refer to construction drawings for duct section. All concrete encasement shall have a pattern finish.
- 2. Concrete: 5 sack Portland Type I cement, 3/4" maximum size aggregate, 3000 PSI @ 28 days. The slump of the concrete may be increased by the contractor, with the approval by the Company inspector or approved representative, in order to facilitate a wetter mix to insure total encasement of the duct. However, the slump should not be increased to the point where the ultimate yield strength of the concrete is jeopardized.
- 3. Placement: All concrete shall be installed by the use of a hopper, trimmie, chute, or pump truck unless otherwise specified by TU Electric's inspector. At no time shall concrete be placed with a front-end loader or any other similar type of machinery.
- 4. The duct structure shall be held down with screw-jacks (or by equivalent means) at 20 ft. maximum intervals in order to prevent floating or racking of the duct during placement of the concrete.

Contractor's Responsibility (cont.)

5. Conduit, bends, elbows and coupling; PVC conduit shall be 6" type DB, TC-6 DB-60/ASTM F-512, 90 degrees centigrade rated. All bends and elbows shall have a 36" radius (min.). See attached sketch for any deviation in conduit size.
6. Spacers: Carlon #288RLN (Base) and 289RLN (intermediate) spaced at 5' intervals. **Spacers will be required and should be tied together with non-metallic tie-wraps.** Spacers shall also be used to "hold-down" the top row of ducts.
7. When complete, each conduit installed will be checked by pulling a mandrel/swab through the entire length of conduit.

C. MANHOLE INSTALLATION

1. Manhole: Precast type, unless otherwise noted, should be supplied by Hefner/Brooks or Utility Precast and be octagonal shape, 3-sections 15,000 lbs./section. (See attachment)
2. Preparation: 6" of cushion sand base shall be installed in the bottom of the excavated area prior to the manhole installation. If water or rock is encountered, a pea gravel base shall be installed.
3. Installation: A crane will be required to install all manholes, and it is the contractor's responsibility to obtain the crane. Con-seal sealant is required on all interfaces.
4. Backfill: Select backfill should be installed around manholes and compacted to 95%.
5. Entrance grade: The contractor shall install the frame/cover and neck. TU Electric's construction plans show the **approximate** entrance elevation, however it is the contractor's responsibility to install the necessary amount of neck to bring the top of the cover 2" above finished grade (or flush with street grade when cover is in street). Saw cutting or grout-fill may be required to obtain the appropriate entrance elevation.
6. The contractor shall supply one (1)-8' by 5/8" copper ground rod, weld type, in each manhole. Ground rod shall be vertically driven into undisturbed soil. If rock is encountered, grounding shall be as directed by TU Electric's inspector.
7. Concrete pad: The contractor shall install a 5' x 5' x 6" concrete pad around all manhole entrances in all non-paved areas. See attached drawing for reinforced steel.

D. FOUNDATION INSTALLATION (poured in place)

1. Sand: 4" of cushion sand shall be required under all foundations.
2. Concrete: 5 sack, Portland Type 1 cement, 1 1/2" maximum size aggregate, 3000 PSI @ 28 days.
3. Reinforcing Steel: ASTM A-615 & A-305 grade. See attached construction drawing for rebar size.
4. Piers: concrete piers are required under all foundations.
5. Finish: Float finish process followed by slick steel troweling.
6. Chamfer: All vertical and horizontal corners shall have a 3/4" chamfer.
7. Elevation: Top of all foundations shall be 6" minimum above finished grade. See attached construction drawings for further instruction.

Contractor's Responsibility (cont.)

8. Ground Rods: The contractor is responsible for providing and installing 8' ground rods, copper weld, 5/8" diameter, as shown on the foundation detail drawing.
9. Conduit Projection: Conduit shall extend 4" above the foundation unless otherwise specified.

E. BACKFILL AND COMPACTION

1. Top Soil: Existing top soil shall be replaced. Top soil shall be free of all rock and clay.
2. Backfill: The backfill operation shall begin after the concrete has had time to cure. The curing time is at the discretion of TU Electric's inspector. The backfill shall have no rocks larger than 6".
3. Compaction: 95% requirement
4. Lifts: 1 foot lifts
5. Compaction Test: TU Electric's responsibility
6. Final Grade Elevation: The contractor shall return the excavated area back to the developer's original grade elevation.

F. SUBSTATION FEEDER EXIT INSTALLATION - This covers the procedures and materials to be used during site work at TU Electric substations or switching stations.

1. Company privileges - The Company's Authorized Representative shall have the right to test, at Company expense, all materials secured and work performed.
2. Substation Ground Repair - Substations generally have grounding systems consisting of copper wires buried 1-3 feet beneath the surface which attach to substation structures and perimeter fences. These ground grid wires may exist at any location inside the substation to a few feet outside the substation fence. If this ground grid wire is damaged, the CONTRACTOR shall notify TU Electric and repair the damage. Repair to damaged ground grid wire shall be made using CADWELD welded electrical products only. No alternate materials are acceptable. It is recommended that the person(s) performing the repair be trained and have experience in the CADWELD process. Most repairs to the ground grid wire may be made as shown on TU Electric drawing GNDREPAIR (See attachment). If the scope of the repair required to the substation grounding system is greater than that shown on GNDREPAIR, please contact TU Electric.
3. The Contractor shall maintain access to the work site at all times.
4. Backfill - The Contractor shall backfill all excavations made during the clearing and grubbing operations with compacted fill material. Fill material, placement and finishing shall comply with the provisions of Sections F-6 thru F-8.
5. Excavating
 - a. The Contractor shall excavate to the contours, grades, and elevations indicated on the grading plan.
 - b. Excavated materials, suitable for use as fill as determined by the Company's Authorized Representative, shall be placed in compliance with the provisions of Section F-7 in fill or embankment areas indicated on the grading plan.

- c. The Contractor shall haul and dispose of all surplus excavated materials. Disposal shall be away from the site, unless otherwise noted. The Contractor shall meet the requirements of regulatory authorities regarding proper disposal.
6. Fill Material
 - a. Excavated material, with prior approval by the Company's Authorized Representative, may be used as fill material.
 - b. Prior to hauling in fill material, the Contractor shall inform the Company's Authorized Representative of the location of the proposed fill material so that samples may be obtained for required tests.
 - c. Soil suitable for use as fill material shall be free from organic matter and deleterious substances and shall contain no rocks or stones larger than one inch in diameter.
 - d. The soil shall be classified as sandy clays or clayey sands having a Plasticity Index (PI) greater than 4 and less than 12 and a Liquid Limit (LL) less than 30. The Company shall pay for a maximum of two series of the above tests. Any additional tests required by failure of the material to meet the requirements shall be performed at the expense of the Contractor.
 - e. If the tests performed on the proposed fill material yield satisfactory results, the fill material shall then be tested in accordance with "Maximum Density-Optimum Moisture Test" ASTM D-698 (Standard Proctor Test), and the results used in compaction.
7. Filling
 - a. The Contractor shall fill to the contours, grades, and elevations indicated on the grading plan.
 - b. Fill material shall be placed in lifts not exceeding 12 inches in uncompacted thickness, sprinkled, rolled, and compacted to a minimum of 90% of maximum dry density as determined by ASTM D-698.
 - c. Water necessary to obtain proper moisture content for compaction shall be furnished by the Contractor.
8. Finish Grading
 - a. After all excavating, fills, and embankments have been completed, the Contractor shall finish the grading to the contours and elevations indicated on the grading plan. The finish grading shall provide smooth and uniform surfacing and shall be approved by the Company's Authorized Representative.
 - b. The Contractor shall correct all imperfections, discovered during finish grading, by scarifying the area affected, adding or removing material as required, reshaping and recompacting.
 - c. The Contractor shall not apply yard covering until the subgrade has been approved by the Company's Authorized Representative.
9. Yard Covering (crushed limestone) - The crushed limestone shall conform to Texas State Department of Highways and Public Transportation's 1982 Standard Specifications for Construction of Highways, Streets and Bridges, Item 248.
10. Application of Yard Covering
 - a. The Contractor shall apply, to all areas indicated on the grading plan, sufficient yard covering to obtain a minimum of four inches after compaction.

- b. Yard covering shall be compacted to a minimum of 90% of maximum dry density as determined by ASTM D-698.
 - c. Under no circumstances shall the Contractor add thin layers of fine materials to yard covering in order to meet the final grade.
11. Application of Base Material (Roads and Parking Areas)
- a. The Contractor shall, unless otherwise noted, supply base material which complies to the provisions of Section F-9.
 - b. The Contractor shall apply, on all limestone roads and parking areas, sufficient base material to obtain a minimum of six inches after compaction.
 - c. Base material shall be compacted to a minimum of 95% of maximum dry density as determined by ASTM D-698.
 - d. Under no circumstances shall the Contractor add thin layers of fine materials to base material in order to meet final grade.
12. Final Grading (Roads and Parking Areas)
- a. The final grading shall provide smooth, uniform surfacing and shall be approved by the Company's Authorized Representative.
 - b. The Contractor shall correct all imperfections discovered during final grading by scarifying the area affected, adding or removing material as required, reshaping, and recompacting.

VII VARIANCES

- A. Variances to these specifications shall be submitted in writing to and approved by the Company prior to construction.
- B. Any approved variance shall apply only to the particular project for which it was submitted.

VIII 4-WAY MANHOLE DETAIL (See Attachment)

IX 3-WAY MANHOLE DETAIL (See Attachment)

X 2-WAY MANHOLE DETAIL (See Attachment)

XI MANHOLE NECK DETAIL (See Attachment)

XII MANHOLE FRAME AND COVER DETAIL (See Attachment)

XIII 5' X 5' MANHOLE CONCRETE ENTRANCE PAD (See Attachment)

XIV TERMINATION OF A CONDUIT @ RISER POLE (See Attachment)

XV TERMINATION OF A CONDUIT LINE (See Attachment)

XVI DEEP WELL SWITCH PAD DETAIL (See Attachment)

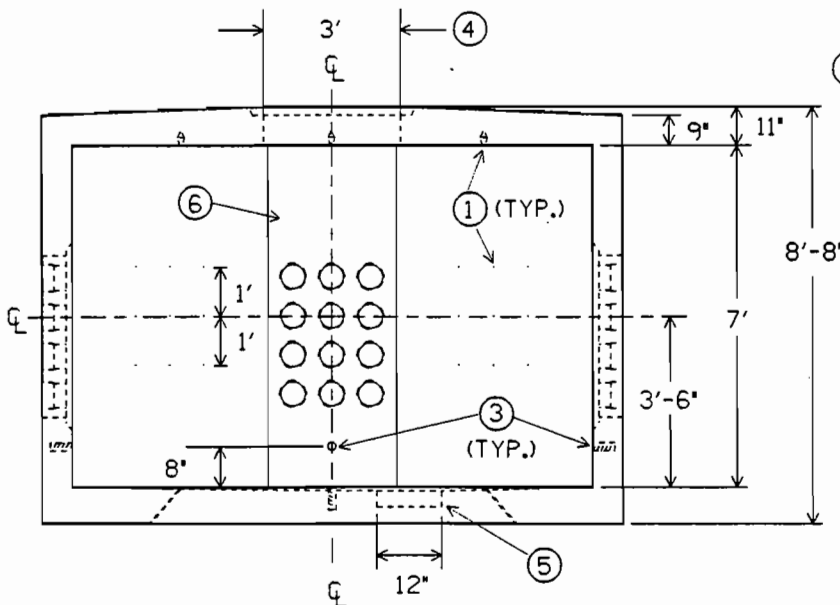
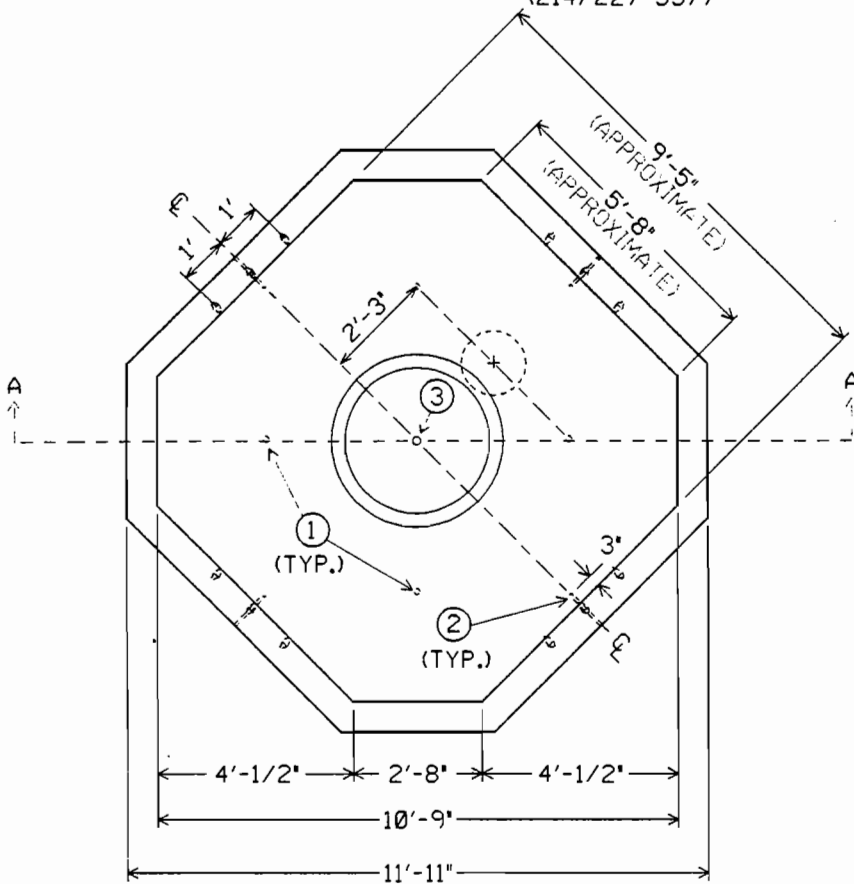
XVII SUBSTATION GROUND WIRE REPAIR DETAIL (See Attachment)

TU ELECTRIC STANDARD MANHOLE

APPROVED SUPPLIER: HEFNER/BROOKS PRODUCTS 914 SERIES
 CLEBURNE, TEXAS
 (817) 477-2941
 UTILITY PRECAST, INC.
 510 E. PLEASANT RUN RD.
 LANCASTER TEXAS
 (214) 227-5577

NOTES:

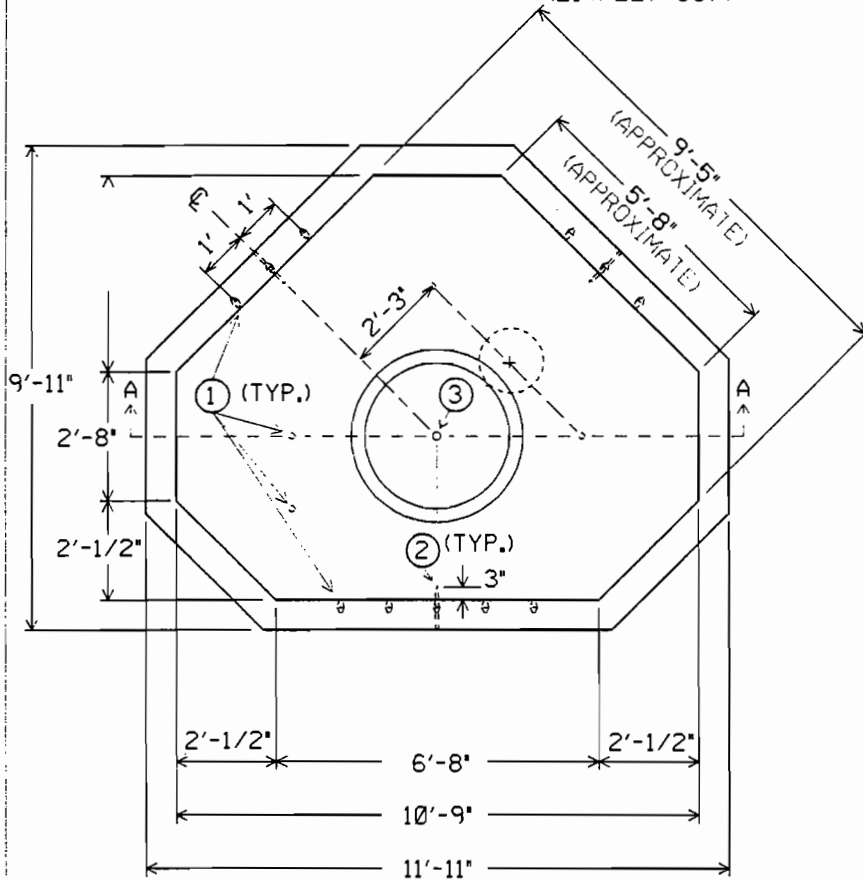
- ① NON-METALLIC THREADED INSERTS FOR 1/2" - 13 UNC BOLT (40 TOTAL)
- ② 3/4" HOLE FOR GROUND RODS (4 TOTAL AT A 45° ANGLE)
- ③ THREADED INSERTS FOR 1-1/4" COIL BOLT (5 TOTAL)
- ④ REFER TO MANHOLE NECK DRAWING FOR DETAIL OF OPENING
- ⑤ WATERTIGHT 12" SUMP, 4" DEEP, WITH COVER
- ⑥ TERMINATOR OPENING SHALL HAVE A 45° CHAMFER
- ⑦ MANHOLE MAY BE ORDERED WITH 2W X 5H TERMINATORS IN FACE.



SECTION A-A

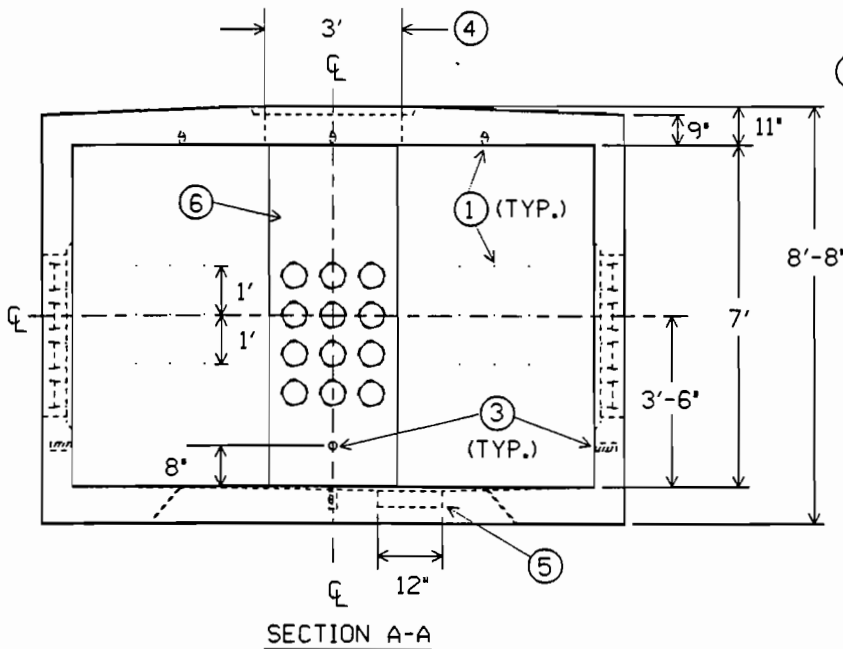
TU ELECTRIC STANDARD MANHOLE

APPROVED SUPPLIER: HEFNER/BROOKS PRODUCTS 914 SERIES
 CLEBURNE, TEXAS
 (817) 477-2941
 UTILITY PRECAST, INC.
 510 E. PLEASANT RUN RD.
 LANCASTER TEXAS
 (214) 227-5577



NOTES:

- ① NON-METALLIC THREADED INSERTS FOR 1/2" - 13 UNC BOLT (38 TOTAL)
- ② 3/4" HOLES FOR GROUND RODS (3 TOTAL AT A 45° ANGLE)
- ③ THREADED INSERTS FOR 1-1/4" COIL BOLT (4 TOTAL)
- ④ REFER TO MANHOLE NECK DRAWING FOR DETAIL OF OPENING
- ⑤ WATERTIGHT 12" SUMP, 4" DEEP, WITH COVER
- ⑥ TERMINATOR OPENING SHALL HAVE A 45° CHAMFER
- ⑦ MANHOLE MAY BE ORDERED WITH 2W X 5H TERMINATORS IN FACE.



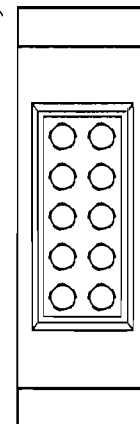
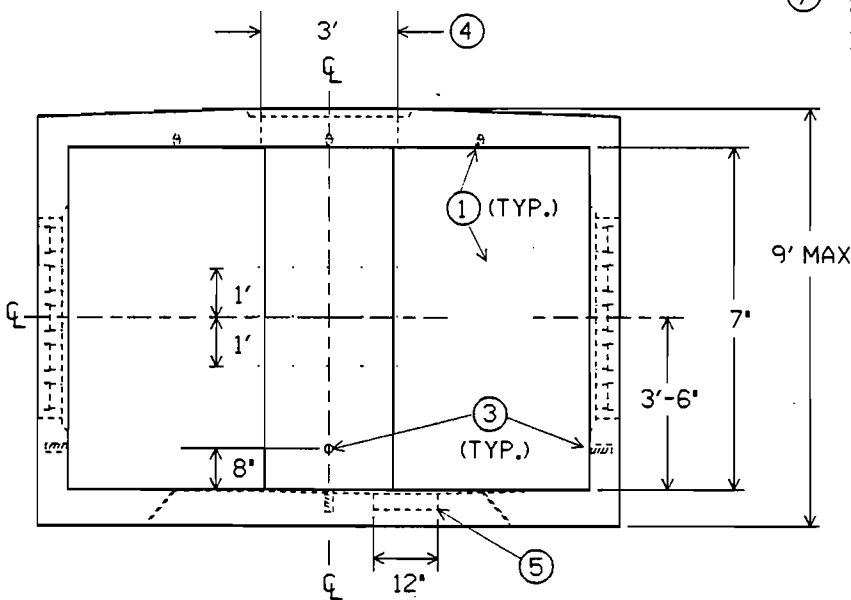
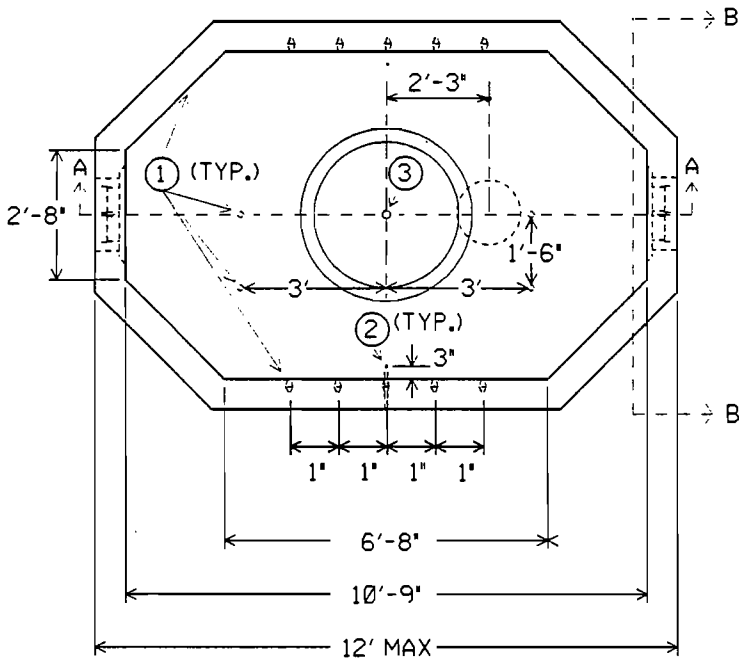
SPECIFICATIONS FOR OCTAGONAL MANHOLES WITH TERMINATORS ON TWO FACES (2-WAY MANHOLES)

APPROVED SUPPLIERS: BROOKS PRODUCTS
CLEBURNE, TEXAS
(817) 477-2941

UTILITY PRECAST, INC.
510 E. PLEASANT RUN RD.
LANCASTER TEXAS
(214) 227-5577

NOTES:

- ① NON-METALLIC THREADED INSERTS FOR 1/2" - 13 UNC BOLT (34 TOTAL)
- ② 3/4" HOLES FOR GROUND RODS (2 TOTAL AT A 45° ANGLE)
- ③ THREADED INSERTS FOR 1-1/3" COIL BOLT (4 TOTAL)
- ④ REFER TO MANHOLE NECK DRAWING FOR DETAIL OF OPENING
- ⑤ WATERTIGHT 12" SUMP, 4" DEEP, WITH COVER
- ⑥ TERMINATOR OPENING SHALL HAVE A 45° CHAMFER
- ⑦ MANHOLE MAY BE ORDERED WITH 3W X 4H TERMINATORS IN FACE.



SECTION A-A

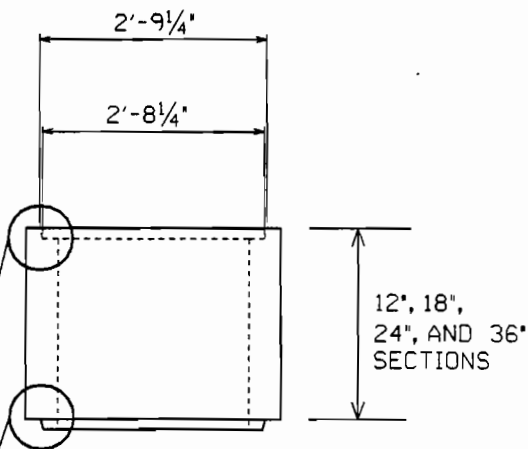
SECTION B-B

TU ELECTRIC STANDARD MANHOLE NECK

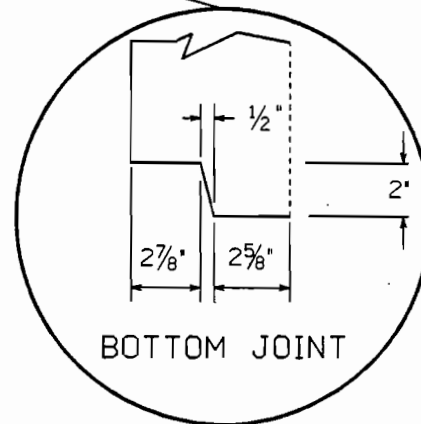
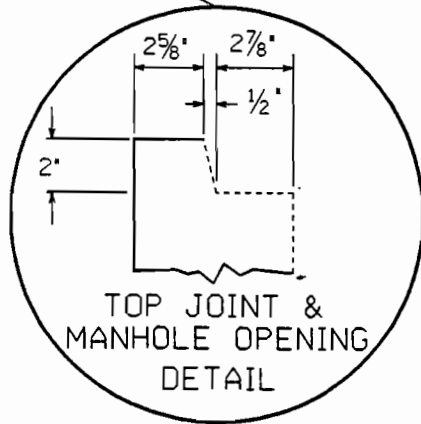
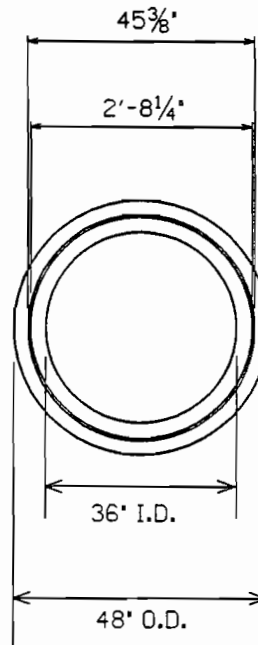
APPROVED SUPPLIERS: BROOKS PRODUCTS
 CLEBURNE, TEXAS
 (817)477-2941

UTILITY PRECAST, INC.
 510 E. PLEASANT RUN RD.
 LANCASTER TEXAS
 (214) 227-5577

SIDE VIEW



TOP VIEW



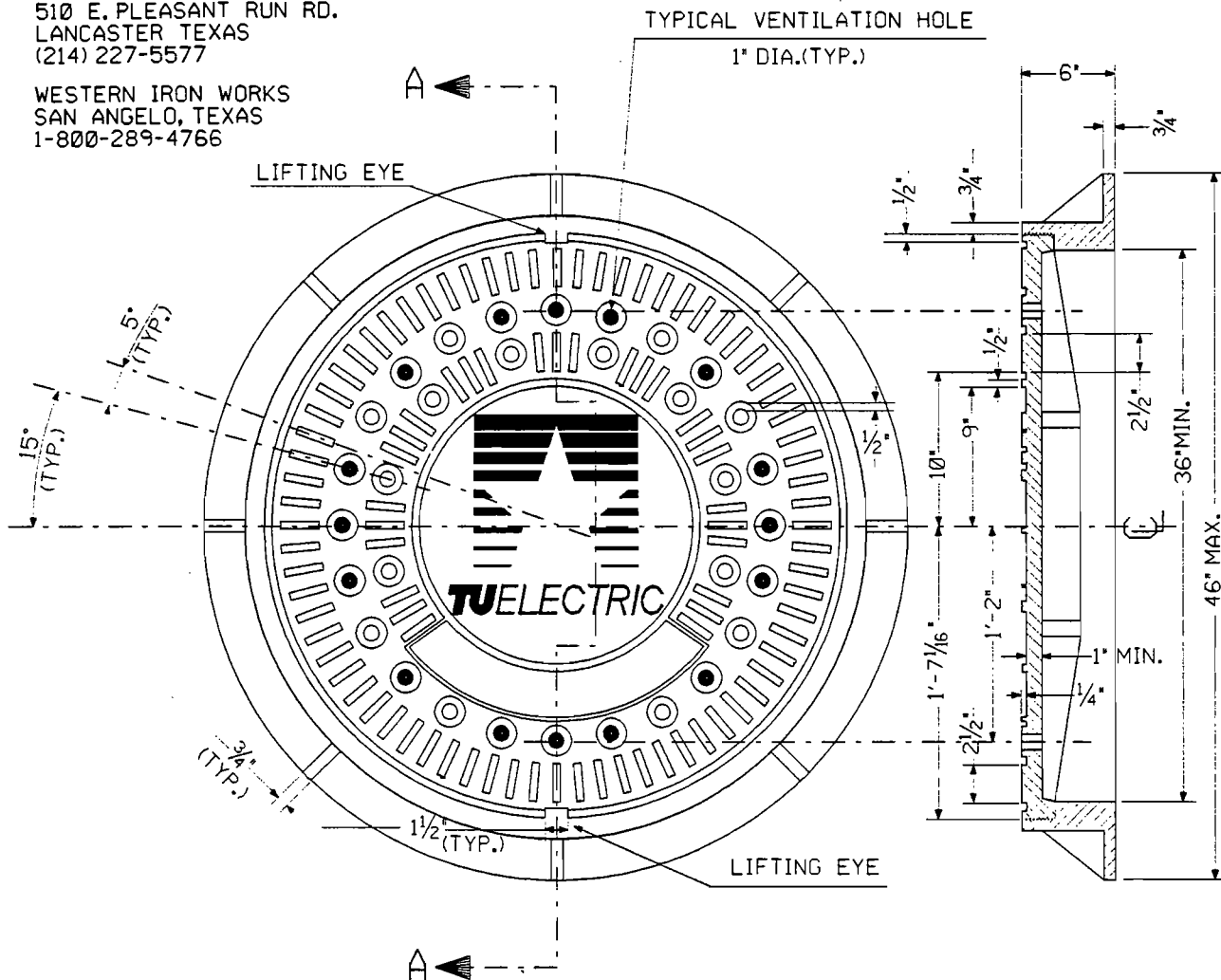
MANHOLE COVER AND FRAME FABRICATION DETAIL

APPROVED SUPPLIERS:

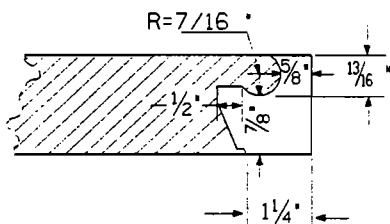
BROOKS PRODUCTS
CLEBURNE, TEXAS
(817)477-2941

UTILITY PRECAST, INC.
510 E. PLEASANT RUN RD.
LANCASTER TEXAS
(214) 227-5577

WESTERN IRON WORKS
SAN ANGELO, TEXAS
1-800-289-4766



SECTION A - A



LIFTING EYE SECTION DETAIL

GENERAL NOTES

BEARING SURFACE BETWEEN COVER AND FRAME SHALL BE MACHINED.

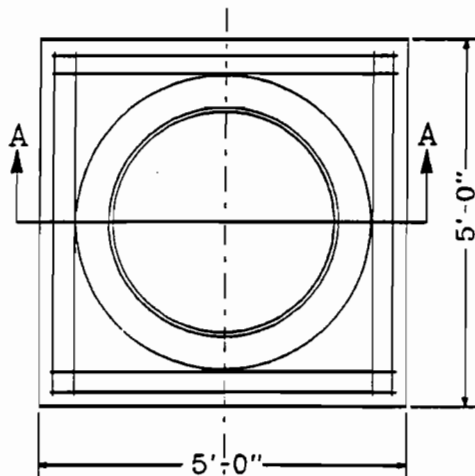
COVER AND FRAME SHALL BE CONSTRUCTED TO H-20 TRAFFIC LOADING.

COVER AND FRAME SHALL BE CONSTRUCTED OF GRAY CAST IRON.

MANHOLE COVER AND FRAME SHALL NOT EXCEED 700 lbs.

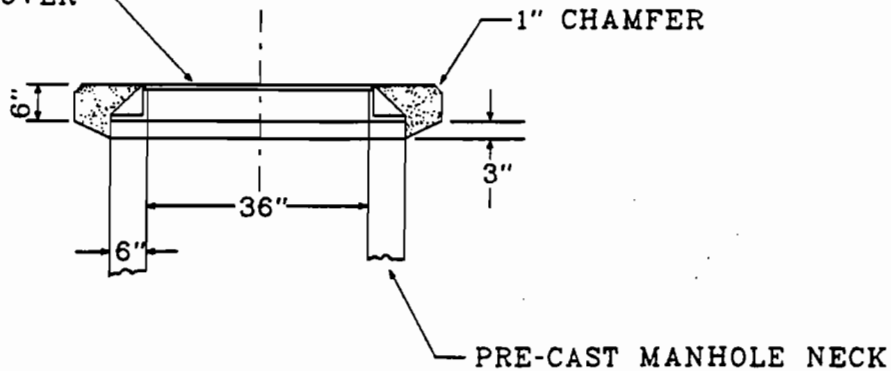
CONCRETE SLAB FOR MANHOLE CASTING

8- #3 REINFORCING BARS -
4'-9" LONG



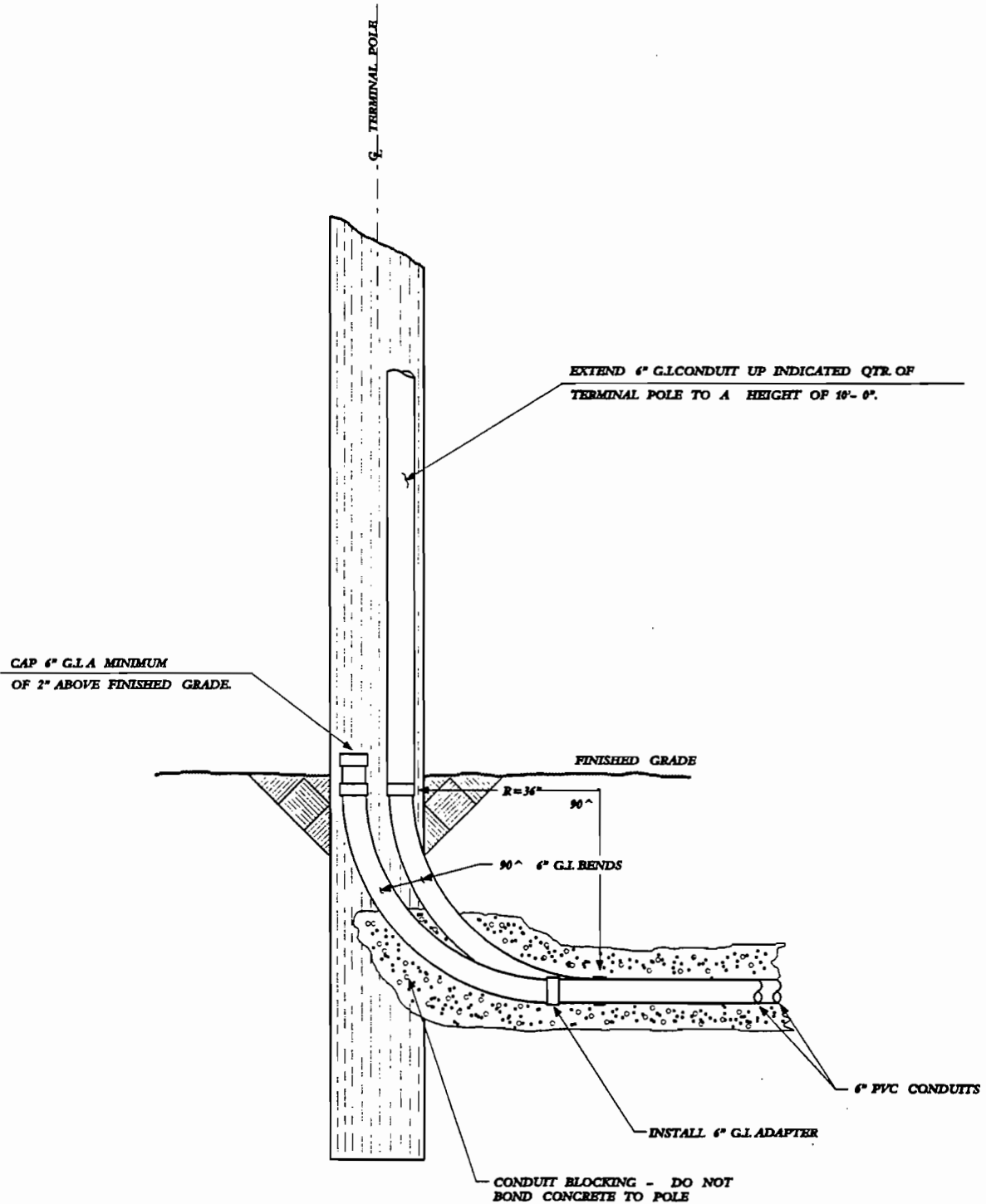
PLAN

MANHOLE FRAME & COVER



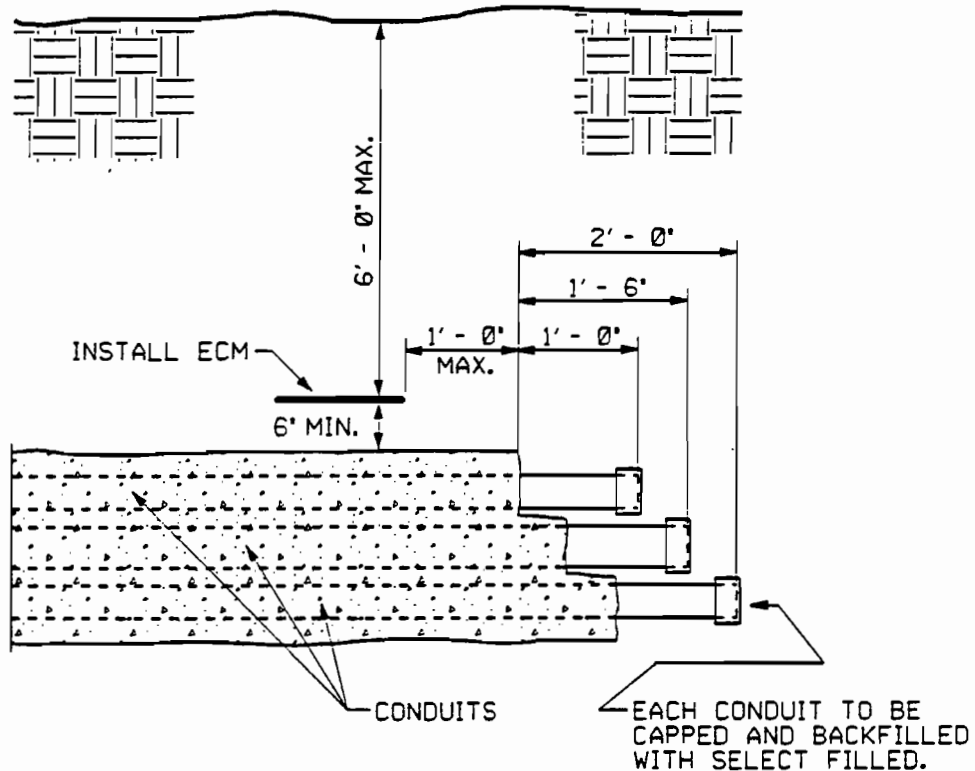
SECTION A-A

TERMINATION OF CONDUIT AT RISER POLE



TU ELECTRIC TERMINATION OF CONDUIT LINE FOR FUTURE USE

STAIR STEPPED COLD JOINT WITH ELECTRONIC CONDUIT MARKER



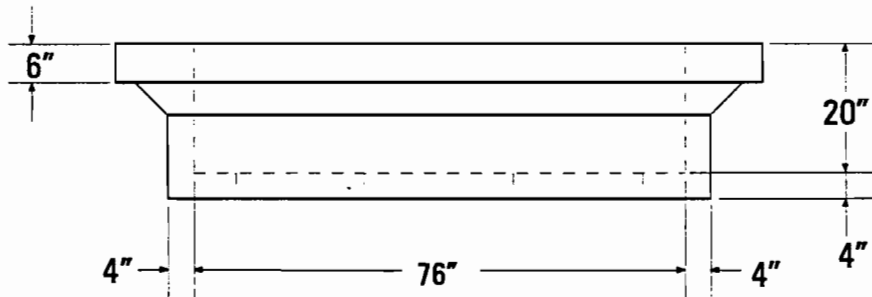
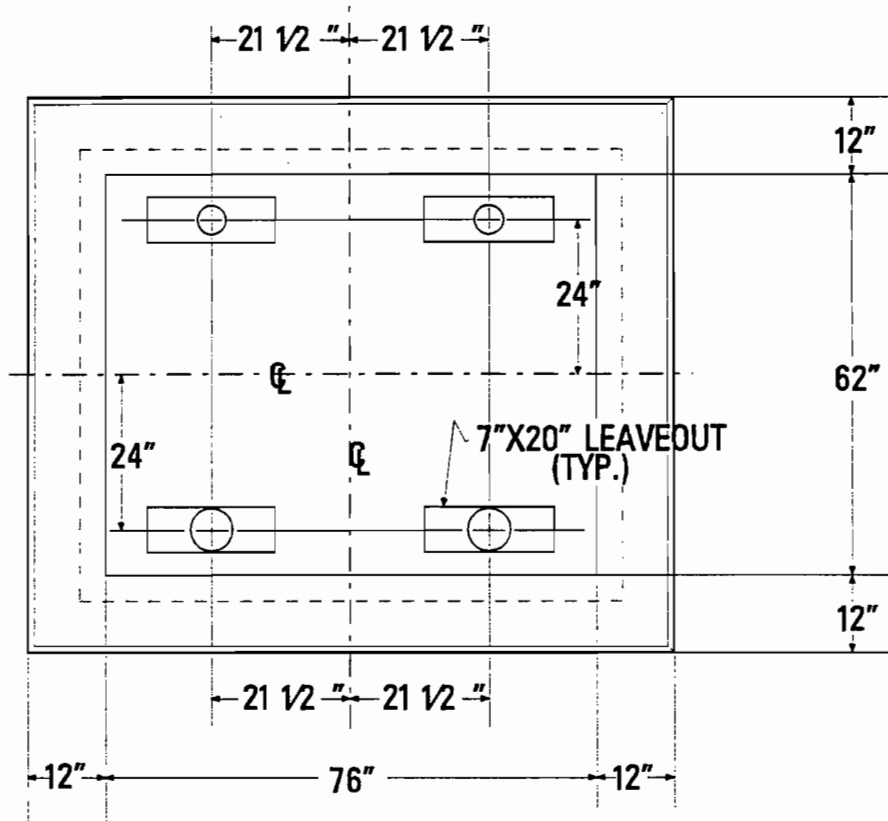
ELECTRONIC CONDUIT MARKER (ECM)

1. CONTRACTOR, UNLESS OTHERWISE NOTED, IS RESPONSIBLE FOR OBTAINING AND INSTALLING THE ECM.
2. CONSULT T.U. ELECTRIC REPRESENTATIVE FOR APPROVED ECM.
3. ECM SHALL BE BURIED DIRECTLY OVER AND A MIN. OF 6' ABOVE DUCT INSTALLATION AND NO MORE THAN 6' BELOW FINAL GRADE.
4. ECM SHALL BE INSTALLED FLAT AND LEVEL. SEE PLAN SHEETS FOR LOCATION.
5. ECM SHALL BE COVERED WITH 4' OF FIRM SOIL TO PREVENT MOVEMENT OR DAMAGE DURING BACKFILL.

INCOMPLETE DUCT LINE

1. ON ALL INCOMPLETE DUCT LINES (DUCTS THAT ARE TO BE EXTENDED AT A FUTURE TIME), THE CONDUITS ARE TO BE WATER-TIGHT WITH A CONDUIT CAP SOLVENT CEMENTED INTO PLACE.
2. NO EXPOSED REINFORCING STEEL IS TO PROTRUDE FROM THE END OF AN UNFINISHED DUCT. SEE JOB REQUIREMENT SKETCH FOR LOCATION OF REINFORCING.
3. DOWELLING IS THE METHOD TO BE USED IN ORDER TO JOIN NEW DUCT TO EXISTING UNFINISHED DUCT.

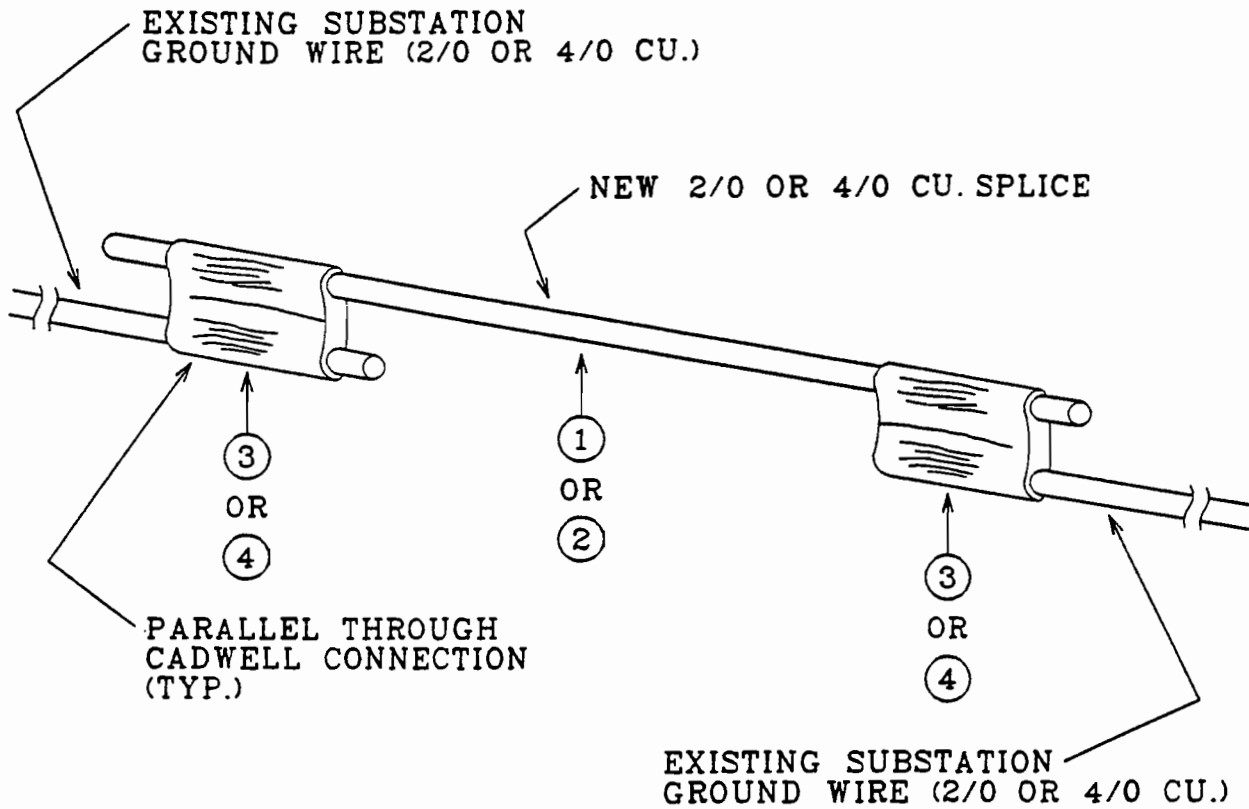
TU ELECTRIC STANDARD PRECAST DEEP WELL 25KV SWITCH PAD



APPROVED SUPPLIERS: DALWORTH QUIKSET COMPANY
7818 S. COOPER STREET
ARLINGTON, TEXAS
(817) 477-5366

UTILITY PRECAST INC.
510 E. PLEASANT RUN ROAD
LANCASTER, TEXAS
(214) 227-5577

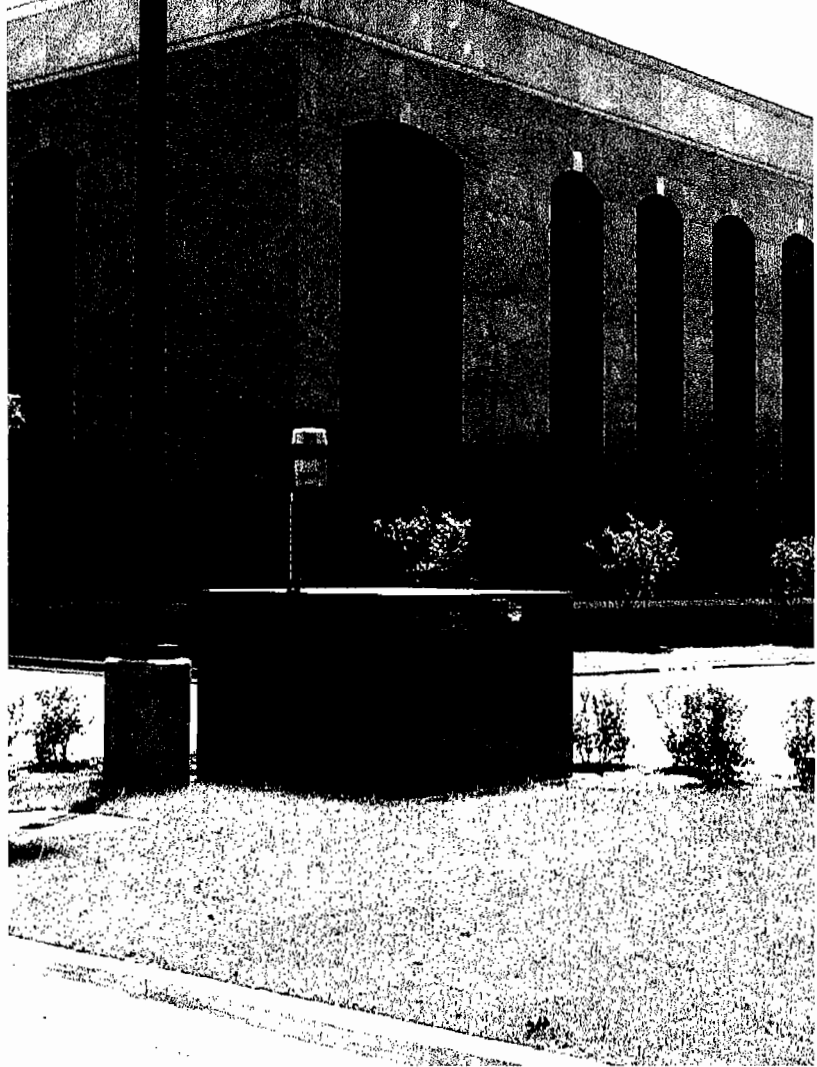
TU ELECTRIC SUBSTATION GROUND WIRE REPAIR DETAIL



ITEM	DESCRIPTION	TSN	CADWELD PART NUMBER
1	WIRE, 2/0, CU.	303252	N/A
2	WIRE 4/0, CU.	303253	N/A
3	MOLD, PARALLEL THROUGH, FOR 2/0 CU. WIRE	322111	PTC-2628
4	MOLD, PARALLEL THROUGH, FOR 4/0 CU. WIRE	322112	PTC-2020
5	WELD METAL, #115 (FOR ITEM 3)	308031	115
6	WELD METAL, #200 (FOR ITEM 4)	308032	200
7	HANDLE (FITS ITEM 3 AND 4)	287895	L-160
8	MOLD CLEANER	322132	B-136-3
9	FLINT IGNITOR GUN	386189	T-320



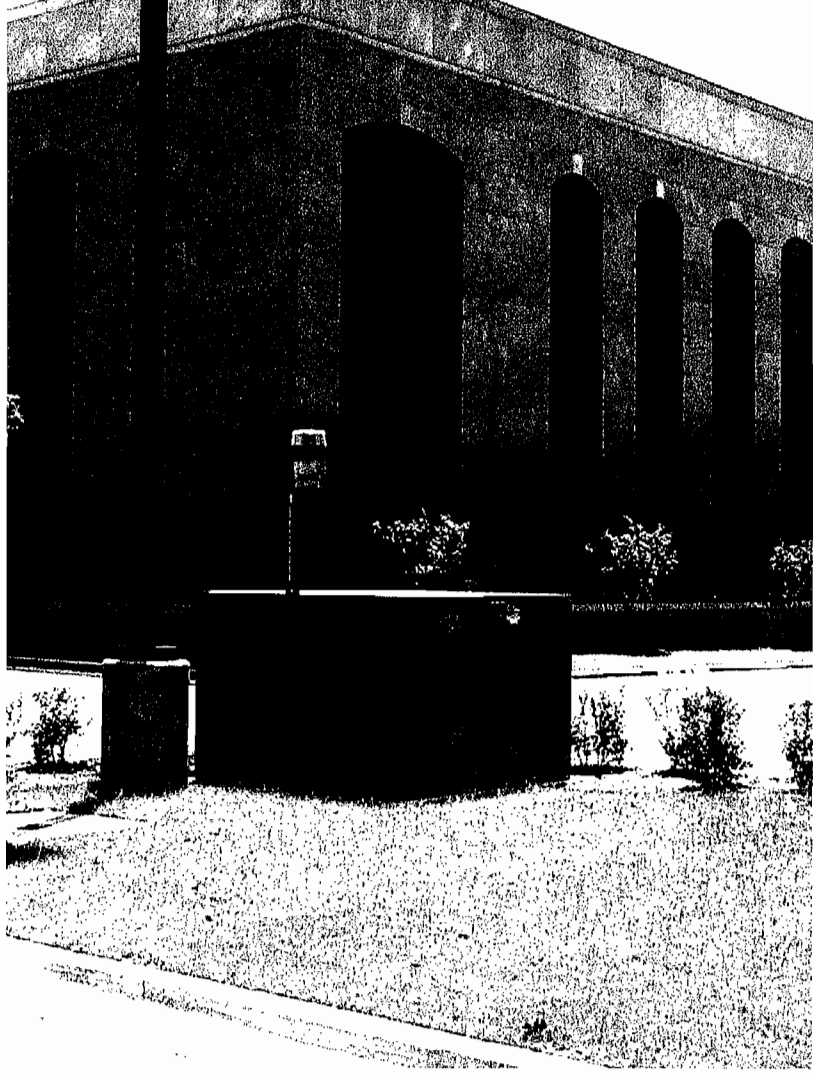






Switchgear
20' x 20' Easement needed

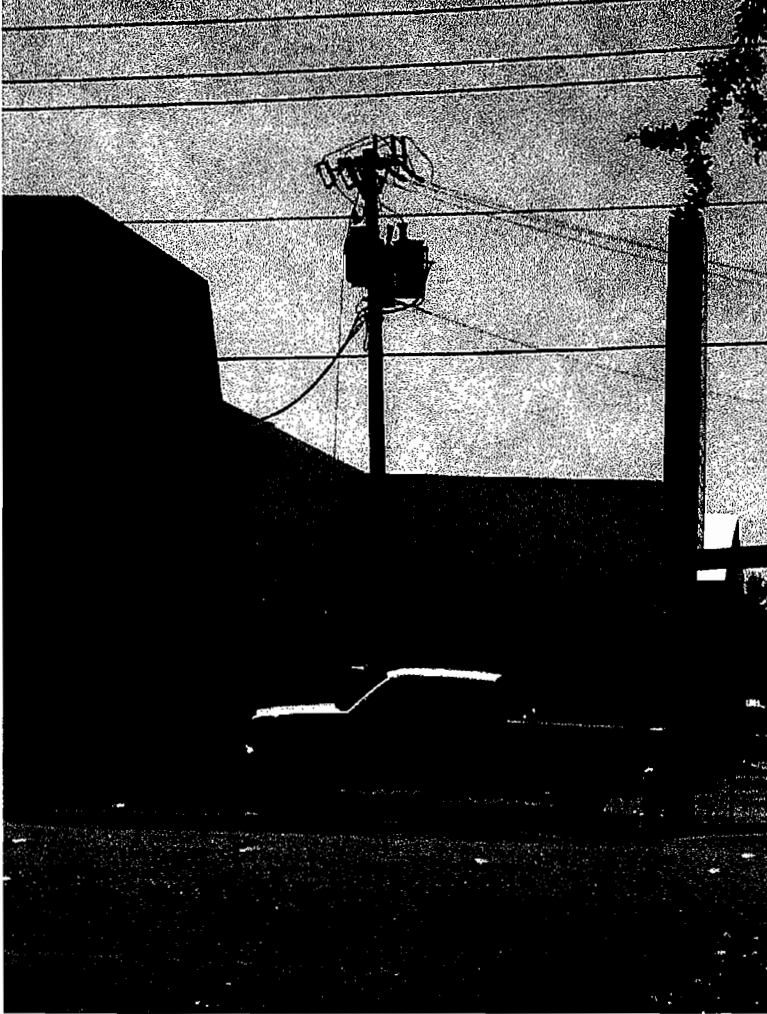
2nd
Floor





Transformers

15' easement Reg'd





u

Carter & Burgess

Wendy Martinez 472-263-2019

Addison Rd - Keller Springs to Belt Line

Sheets 18, 19, 20, 21

Utilities from Carter & Burgess Study

5/17 call working for Joel

TU Electric - Aerial

5/17 call working for
Mike Basemir

TCI Cable - Aerial

Geo Womack 817-557-8296

IS the man.
Steve Mills (works for Geo., should
call)

(Joel)

Lone Star Gas

817-557-8296 x 29

Also have SW Bell Bob Sands - meet setup

Utilities Crossing within RR ROW:

Q West

MFS

MCI

Sprint

Explorer Pipeline

Addison Rd
SW Bell Meeting

5-19-99

Bob Sands, Tom Ross, John Burkhoff, JEP

What does SW Bell need, now & in say 20
year future

What separations are req'd from other
utilities

Basic standard is 4"

SW Bell would like facility on both sides -

Put in fiber - must go to a fiber "hub"
Somewhere.

Then copper must go from Hub to
the customer

Access points are needed - M/A or handholds
sometimes distance related

" Customer "

SW Bell can co-exist with other companies in
same duct bank & manholes

Manholes → 12' x 6' x 7' and they may be too small
if fiber, this size is OK or too big

Service locations should be planned.

SW Bell - 9 conduits on each side

6 " " " " " for others

2' x 2' each side of road for Telecom
42" cover normally

Tom
Ross will
get back in
about 2 weeks

* Get a list of utilities & send a draft letter to.

Steve Mills / TCI 817-557-8296

Needs - usually ~~2" trunk~~

3" feeder

4" fiber

Would take care of future

Use sloop up into green pedestals

Pull stations every 900' 2'x3'x4' deep

Used to grouping together.



Carter & Burgess

Consultants in Engineering, Architecture,
Planning and the Environment

FACSIMILE TRANSMITTAL

DATE: 19 MAY 1999

TIME: 12:15 pm

TO:

NAME: JIM PIERCE

FIRM: TOWN OF ADDISON

FAX NUMBER: 972/450-2834

FROM:

NAME: WENDY MARTINEZ

CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TEXAS 75247
OFFICE PHONE: (214) 638-0145
FAX PHONE: (214) 638-0447 - Upstairs
(214) 638-5632 - Downstairs

COMMENTS: HERE IS A LIST OF FRANCHISED UTILITIES WHICH WE & ANDY EADS PUT TOGETHER. AS YOU CAN SEE, WE HAVE SOME HOLES; I BELIEVE THAT SOME OF THESE, HOWEVER, ARE RETAILERS AND DO NOT ACTUALLY HAVE FACILITIES. (E.G. ADDISON CIRCLE ONE, PLANNED CABLE SYSTEMS). PLEASE LET ME KNOW IF YOU NEED ADDITIONAL INFORMATION

NUMBER OF PAGES (INCLUDING COVER SHEET): 5 PAGES

Carter & Burgess, Inc. 7950 Elmbrook Suite 250 Dallas, Texas 75247-4951
(214) 638-0145 Mktg (214) 263-2019 Fax (214) 638-0447

5-19-99 Left message for Andy Eads - better list
5-20 cc to John B.

Franchised Utility

Southwestern Bell	Telecom
Southwestern Bell Telephone	Extension
Teleport Communication Dallas, Inc (now ATT Local Services)	Telecom
Brook Fiber World Comm	Telecom
TCG Dallas, Inc. (now ATT Local Services - see above)	Telecom
Metropolitan Fiber System of Dallas, Inc. (now World Comm)	Cable TV
Spring Settlement	Cable TV
MCI Metro Access Transmission Services, Inc.	Telecom
TCI Cable	Conduits
Marcus Cable	Conduits
ObjectSpace	Telecom
Southwestern States Bankcard Assn.	Private Line
Qwest Communications	Cable TV and Telecom
US Sprint	Telecom
J-W Operating Company	Cable TV and Telecom
Addison Circle One, Ltd.	Telecom
Cablesystem of Addison, Inc.	Cable TV and Telecom
Planned Cable Systems	Electric
Texas Power and Light (no longer inbusiness)	Electric
Texas Utilities	Gas/Pipeline
Lone Star Gas (now Texas Utilities - see above)	Pipeline
Con-Dor Pipeline Co.	Pipeline (fuel oil)
Explorer Pipeline Co.	Telecom
ATT (letter sent to ATT Local Services - see Teleport Communications above)	Telecom
GTE	Telecom

Franchised Utility

Southwestern Bell
 Southwestern Bell Telephone
 Teleport Communication Dallas, Inc (now ATT Local Services)
 Brock Fiber World Comm
 TCG Dallas, Inc. (now ATT Local Services - see above)
 Metropolitan Fiber System of Dallas, Inc. (now World Comm)
 Spring Settlement
 MCI Metro Access Transmission Services, Inc.
 TCI Cable
 Marcus Cable
 ObjectSpace
 Southwestern States Bankcard Assn.
 Qwest Communications
 US Sprint
 J-W Operating Company
 Addison Circle One, Ltd.
 Cablesystem of Addison, Inc.
 Planned Cable Systems
 Texas Power and Light (no longer inbusiness)
 Texas Utilities
 Lone Star Gas (now Texas Utilities - see above)
 Con-Dor Pipeline Co.
 Explorer Pipeline Co.
 ATT (letter sent to ATT Local Services - see Teleport Communications above)
 GTE

Address

2335 Jett Farmers Branch, TX 75234
 311 S. Akard 4 Bell Plaza 8th Floor, Dallas, TX 75202
 717 N. Harwood #510 Dallas, TX 75201
 2477 Gateway Drive Irving, TX 75063
 World Comm Tax Department P.O. Box 7 Clinton, MS 39060
 8521 Leesburg Pike Vienna, VA 22182
 934 East Centerville Garland, TX 75041
 2911 Turtle Creek Blvd. #1300 Dallas, TX 75219
 14981 Quorum Drive #400 Addison, TX 75001
 4316 Bryan St.Dallas, TX 75204
 P.O. Box 226406 Dallas, TX 75222
 Post Properties, Inc. 15851 Dallas Parkway #855, Addison, TX 75001
 14400 Josey Lane Farmers Branch, TX 75234
 2856 County Rd. 2168 Caddo Mills, TX 75135

<u>Franchised Utility</u>	<u>Administrative Contact</u>	<u>Phone Number</u>	<u>Mapping Contact</u>
Southwestern Bell	Jeff Byers	214-464-0166	
Southwestern Bell Telephone	John Mitchell	214-464-1989	
Teleport Communication Dallas, Inc. (now ATT Local Services)	Dick Ivey	972-774-6024	Lee Cannon
Brook Fiber World Comm	Bill Pritchett	972-753-4355	
TCG Dallas, Inc. (now ATT Local Services - see above)	Gerry White	601-460-8358	
Metropolitan Fiber System of Dallas, Inc. (now World Comm)	Marilyn Harcutunian	703-918-0706	
Spring Settlement	Dennis Watson	972-840-6899	
MCI Metro Access Transmission Services, Inc.	Joseph Camicia	214-523-8403	
TCI Cable	Craig Harrington		
Marcus Cable			
ObjectSpace			
Southwestern States Bankcard Assn.			
Qwest Communications		214/212-0562	Danny States
US Sprint			
J-W Operating Company	H.G. Westerman, Jr.	972-233-6191	
Addison Circle One, Ltd.	Bryant Nail	972-770-5174	
Cablesystem of Addison, Inc.			
Planned Cable Systems			
Texas Power and Light (no longer inbusiness)			
Texas Utilities	Jeanne Hooker	972-888-1302	Louis Meadors 214-
Lone Star Gas (now Texas Utilities - see above)			
Con-Dor Pipeline Co.			
Explorer Pipeline Co.	Richard Allen	903-527-1262	Carl (Buth) Eby
ATT (letter sent to ATT Local Services - see Teleport Communications above)			
GTE			

<u>Franchised Utility</u>	<u>Maps Received</u>	<u>Field Locator</u>	<u>Intro Letter Sent</u>
Southwestern Bell			Yes
Southwestern Bell Telephone		Dig Tess	Yes
Teleport Communication Dallas, Inc (now ATT Local Services)		Dig Tess	Yes
Brook Fiber World Comm			
TCG Dallas, Inc. (now ATT Local Services - see above)		Dig Tess	Yes
Metropolitan Fiber System of Dallas, Inc. (now World Comm)			
Spring Settlement			
MCI Metro Access Transmission Services, Inc.		Dig Tess	Yes
TCI Cable		Dig Tess	Yes
Marcus Cable			Yes
ObjectSpace			Yes
Southwestern States Bankcard Assn.			Yes
Qwest Communications		Dig Tess	
US Sprint		Dig Tess	
J-W Operating Company			
Addison Circle One, Ltd.			
Cablesystem of Addison, Inc.			
Planned Cable Systems			
Texas Power and Light (no longer inbusiness)			
Texas Utilities			Yes
Lone Star Gas (now Texas Utilities - see above)	534-5885	Dig Tess	
Con-Dor Pipeline Co.			
Explorer Pipeline Co.		Dig Tess	Yes
ATT (letter sent to ATT Local Services - see Teleport Communications above)			
GTE		Dig Tess	