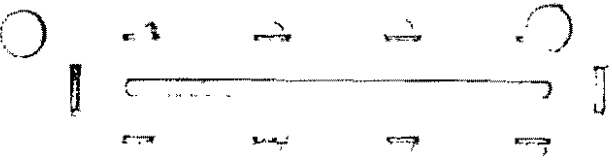


AK

1999 Arapaho Road Construction Shop
Drawings

99



10-42
agreed w Farms Branch
that Road will be
built

Arapaho Rd Const Meeting

3-4-99

- ✓ 1. Carr America - OK to "Close front entrance for now. Have 60 days - CA sent a memo out to tenants. Could be repercussions.
- ✓ 2. We need to give our approval prior to scoring sidewalks.
- ✓ 3. Dave on vacation next week. Jose will fill in as will J.P.
- ✓ 4. Pedestrian light bases not 36" deep. Dave/Jose check. Check Signal pole bases too. Plans give varying depths.
- ✓ 5. Oked a box on west side of Addison Rd between signal poles instead of open cut.
- ✓ 6. Oked add concrete removal along path of Storm Sewer in Spectrum
- ✓ 6a - Need conc cylinders on sidewalk, Tree well pours

✓ 7. Status of SW Bell Backfill.
Pat negotiating on the hot mix

✓ 8. Gen'l agreement with Colonnade
on slope of bank. One area
needs to be cut back.

✓ 9. Change order #4 approved (buttons)

✓ 10. Sealing pavement cracks -
lets do it.

New crack @ SW Bell # (crosswalk)

✓ 11. Strength Testing follow up.

✓ 12. Depth Testing.

✓ 13. Dollard Mfgs received? Yes

* 14. TU moving poles @ Quorum
Jep for follow up

✓ 14a - Moved Tree well @ Sta 48+10± to the east
Connect tree well to perf pipe w gravel

✓ 15. SW Bell raised MHE Quorum?

~~It~~ Done! But
May not be done properly

✓ 16. Scheduling in Mastec for Storm Sewer
install? - In progress

✓ 17. Need price for 24 station ^{irrigation} controller

✓ 18. Need caps on signal pole @ Addison Rd.

✓ 19. Need Price for Hydrant move on
Quorum.

✓ 20. DART - Use of driveway on Quorum
Letter from Sedaleo - taking
responsibility. CC to JEP

✓ 21. Missing pedestrian light in sidewalk
@ Sta 60+84 ± - Will be done @
traffic switch

✓ 22. Push forward with signalization

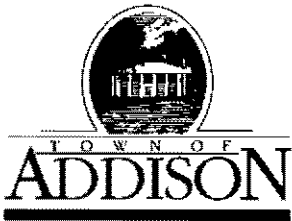
Upcoming work ✓ 23. Upcoming work

Next meeting 24 Next meeting Mar 18 @ 10AM

Arapaho Const Meeting

3-4-99

<u>Name</u>	<u>Company</u>	<u>Phone</u>
Jim Pierce	Addison	972-450-2879
Dave Wilde	Addison	972-450-2847
James & Rivera	ED Bell	214 507-4916



LETTER OF TRANSMITTAL

Public Works / Engineering

16801 Westgrove • P.O. Box 144

Addison, Texas 75001

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

DATE	3-4-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	

TO Pat Rivera
Ed Bell Const

GENTLEMAN:

WE ARE SENDING YOU

Shop Drawings

Copy of letter

Attached

Prints

Change order

Under separate cover via _____ the following items:

Plans

Samples

Specifications

COPIES	DATE	NO.	DESCRIPTION
		1	BEGA Bollard Light Fixture

THESE ARE TRANSMITTED as checked below:

For approval

Approved as submitted

Resubmit _____ copies for approval

For your use

Approved as noted

Submit _____ copies for distribution

As requested

Returned for corrections

Return _____ corrected prints

For review and comment

FOR BIDS DUE _____ 19____

PRINTS RETURNED AFTER LOAN TO US

REMARKS

Please return to Mel's Electric

Rec'd By

Pat Rivera

COPY TO _____

SIGNED: _____

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

Tim Beidelman

3-4-99

Frank Dennis

Replace island

Do not put in hot mix

Hold off for Pat to make a deal

#2d

TOWN OF ADDISON, TEXAS

RESOLUTION NO. _____

A RESOLUTION OF THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, AUTHORIZING THE DEDICATION OF A 10 FOOT STRIP OF LAND FOR THE EXTENSION AND WIDENING OF QUORUM DRIVE; PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Town of Addison is widening, extending and constructing improvements on Quorum Drive; and

WHEREAS, it is necessary to relocate utilities that are on the existing right-of-way; and

WHEREAS, the Town desires to dedicate a 10 foot strip of land to accommodate the utility location.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS:

Section 1. That the above recitals are true and correct and incorporated herein for all purposes.

Section 2. That the City Council hereby authorizes the dedication of a 10 foot wide strip of land to the public forever as described on Exhibit A attached hereto, for use by the public for street purposes.

Section 3. That the City Secretary shall file a copy of this resolution in the Deed and Plat Records of Dallas County, Texas.

Section 4. That this resolution shall take effect immediately upon passage and approval, and it is so resolved.

PASSED AND APPROVED BY THE CITY COUNCIL OF THE TOWN OF ADDISON, TEXAS, this ____ day of _____, 1999.

ATTEST:

Mayor
Town of Addison, Texas

City Secretary
Town of Addison, Texas

APPROVED AS TO FORM:

City Attorney
Town of Addison, Texas

FIELD NOTE DESCRIPTION

Being a tract of land situated in the C.W. FISHER SURVEY, ABSTRACT 482, Town of Addison, Dallas County, Texas, and being a portion of a 6.272 Acres tract of land to the Town of Addison as recorded in Volume 93243, Page 6422, in the Deed Records of Dallas County, Texas, and being more particularly described as follows:

COMMENCING at a 5/8 inch iron rod found for the most northwesterly corner of said 6.272 acres tract, said corner also being in the easterly right-of-way line of Quorum Drive (80 feet right-of-way) and the southerly right-of-way line of the St. Louis & Southwestern Railroad (100 feet right-of-way);

THENCE departing said easterly right-of-way of Quorum Drive and with the southerly right-of-way line of said St. Louis & Southwestern Railroad and the northerly line of said 6.272 acres tract, North 66°12'00" East, a distance of 6.49 feet to the POINT OF BEGINNING;

THENCE continuing with the northerly line of said 6.272 acres tract and the southerly right-of-way line of said St. Louis & Southwestern Railroad, North 66°12'00" East, a distance of 10.90 feet to a point for corner;

THENCE departing the southerly right-of-way line of said St. Louis & Southwestern Railroad and the northerly line of said 6.272 acres tract, South 00°21'20" East, a distance of 186.60 feet to a point for corner in the northerly right-of-way line of Arapaho Road (93 feet right-of-way);

THENCE with said northerly right-of-way of Arapaho Road, North 50°44'40" West, a distance of 12.98 feet to a point for corner;

THENCE departing said northerly right-of-way of Arapaho Road, North 00°21'20" West, a distance of 173.98 feet to the POINT OF BEGINNING;

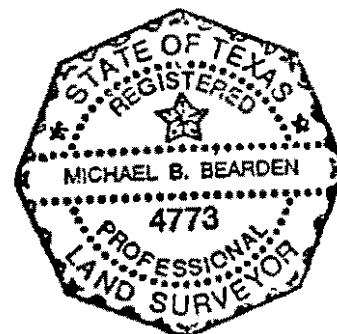
CONTAINING within these metes and bounds, 1803 square feet or 0.041 acres of land more or less.

The basis of bearing for this survey was the bearing of record for the most northerly line of said 6.272 acres tract of land to the Town of Addison as recorded in Volume 93243, Page 6422, Deed Records of Dallas County, Texas.

The Field Notes were prepared from an on the ground survey under my direction and supervision on January 6, 1999.

Michael B. Bearden

MICHAEL B. BEARDEN
Registered Professional Land Surveyor
Texas Registration No. 4773
(ORIGINAL SIGNED IN RED INK)





POINT OF BEGINNING

POINT OF COMMENCING

N 66°12'00" E
10.90'

ST. LOUIS & SOUTHWESTERN R.R. (100' R.O.W.)

S 66°12'00" W
6.49'

QUORUM DRIVE (80' R.O.W.)

S 00°26'45" E 60.44'
S 00°25'36" E 186.60'
W 02°12'00" N 78.76'
S 00°21'20" E 190.66'

0.041 AC
or
1803 sq.ft.

TOWN OF ADDISON
VOL. 93243, PG. 6422

N 50°44'40" W
12.98'

ARAPAHO ROAD (93' R.O.W.)

S 04°29'08" W
190.66'



Winkelmann & Associates, Inc.

CONSULTING CIVIL ENGINEERS • SURVEYORS
(214) 490-7090 FAX (214) 490-7099

Scale : 1" = 30'	Date : 1/07/99
Design : MBB	
Drawn : MBB	
Dwg. File : 15970.DWG	
Project No. : 15970	

C.W. FISHER SURVEY, A-482
TOWN OF ADDISON
DALLAS COUNTY, TEXAS
TEXAS UTILITIES ELECTRIC COMPANY
1601 BRYAN STREET
DALLAS, TEXAS 75201

ARAPAHO ROAD @
QUORUM DRIVE - ADDISON
RELOCATION

SHEET
2
OF
2

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Scottie/Sherry

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

Company: Carr America

FAX #: 972-404-2201

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

Date: 3-2-99

of pages (including cover): 2

Re: Arapaho Road

- Original in mail Per your request FYI Call me

Comments: We need to close the 2 lanes
that serve your east entrance for utility
installation and paving. If your
tenants & deliveries could use the parking
deck entrance, it would help us a great deal.

Thanks

Jim

DALLAS AREA
RAPID TRANSIT

REMOVE 2 INLETS &
15" RCP LATERALS
DO NOT PLUG NORTH
LATERAL & PLUG
SOUTH LATERAL
NEAR MAIN

REMOVE INLET &
18" RCP LATERAL
PLUG PIPE NEAR MAIN

REMOVE FIRE
HYDRANT &
DELIVER TO
TOWN
16801 WESTGROVE

PT 54+85.75

PC 57+07.96



ARAPAHO RD.

54

56

58

MATCH LINE

52

REMOVE SIGN

REMOVE
WOODEN
BARRICADE

REMOVE CONCRETE
STREET PAVEMENT/
SIDEWALK

REMOVE
STREET
SIDEWALK

REMOVE FIRE
HYDRANT &
DELIVER TO
TOWN
16801 WESTGROVE

PT 2+61.48

SAWED
BREAKOUT
GROOVE

SAWED
BREAKOUT
GROOVE

REMOVE 36" RCP &
15" RCP LATERAL
DO NOT PLUG PIPES

SAWED
BREAKOUT
GROOVE

MCM COMPANY

CARRAMERICA REALTY LIMITED PARTNERSHIP

**Close 2
Lanes for
Utilities
INSTALLATION**

PRC 1+24.07

PC 0+75.00

EX. ARAPAHO RD.

MATCH LINE

Arapaho Rd:

3-3-99

Visit w slide

Sidewalk crosscutting / scoring. Generally pleased. One area / blue-lined not satisfactory. N-T. Bowmaite will re-baseline and seek our approval before scoring.

Pedestrian light bases not @ 36" depth - reported to Pat.

OK'd a bore between traffic signal pole on the west side of addition Rd \approx 100'. Bore cost equal to trenching cost but bore has a lot less disruption of local traffic.

OK'd additional concrete removal along path of storm sewer on spectrum by Carr America. Approx 213 sq yds 10" pavement. Cost \approx \$ 6400

3-2-99

Wall @ Colonnade

Wall 2' high x 6" Thick

Area = 2' x 0.5' = 1 ft² per ft of wall

say 87' long

$$1 \times 87 = 87 \text{ ft}^3$$

$$\frac{87}{27} = 3.2 \text{ yd}^3$$

$$3.2 \text{ yd}^3 \times 850 = \text{\$} 2,720$$

55' Radius $C = \pi d = 3.14 \times 110$

Circumference of 55' circle = 345'

1/4 of that = 87'

TERRA-MAR, INC.
GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS
 DALLAS FORT WORTH HOUSTON LONGVIEW LUBBOCK AUSTIN

11050 Ables Lane, Dallas, Texas 75229 Phone: 972-488-8800

CONCRETE INSPECTION AND FLEXURAL STRENGTH TEST REPORT
(THIRD POINT LOADING)

*Revised Copy - Specifications

CLIENT: Ed Bell Construction
PROJECT: Arapaho Road Improvements
REPORT DATE: 02/01/99
TMI REPORT #: DC98-050-93

REPORT DISTRIBUTION:
 Ed Bell Construction - Doug Teter
 Huitt-Zollars, Inc. - Kenneth Roberts, P.E.
 Town of Addison - James Pierce, P.E.
 Town of Addison - Dave Wilde

SPECIFICATIONS

Strength (psi): 650*
 Slump (in.): 4
 Air Content (%): 5
 Concrete Temp (°F): _____

PROJECT DATA

Placement Date: 12/31/98
 Sampled By: J. Perez
 Weather: Sunny
 Supplier/Mix: TXI

FIELD DATA SET #1

Ticket #: na Time Batched: 8:14 Time Sampled: 9:00
 Slump (in.): 5.00 Air Content: 5.0 Unit Weight (pcf): na
 Conc. Temp. (°F): 50 Ambient Temp. (°F): 40 Yardage (c.y.): 50
 Placement Location: Quorum and Arapaho Road - northwest

FIELD DATA SET #2

Ticket #: _____ Time Batched: 9:03 Time Sampled: 9:55
 Slump (in.): 5.00 Air Content: 5.0 Unit Weight (pcf): na
 Conc. Temp. (°F): 50 Ambient Temp. (°F): 40 Yardage (c.y.): 50
 Placement Location: Quorum and Arapaho Road - south center

Remarks: _____

CONCRETE COMPRESSION TEST RESULTS

BEAMS MOLDED AND CURED PER ASTM C31, TESTED PER ASTM C78

Set #	Beam #	Test Date	Age (Days)	Max. Load (lbs)	Average Depth, D	Average Width, B	Modulus of Rupture (psi)	Notes
1	APR123101	01/07/99	7	6300	5.90	6.10	525	* * Does not meet specification <i>6% deficient, 90% of contract Price allowed</i>
	APR123102	01/28/99	28	7320	5.90	6.10	610	
2	APR123103	01/07/99	7	6060	5.90	6.10	505	* * Does not meet specification <i>7% defecient, 90% of contract allowed</i>
	APR123104	01/28/99	28	7260	5.90	6.00	605	

- (1) SPAN LENGTH OF 18 INCHES, UNLESS NOTED ABOVE.
- (2) SPECIMENS GROUND PRIOR TO TESTING, LEATHER SHIMS USED DURING TESTING.
- (3) TEST RESULTS COMPLY WITH PROJECT SPECIFICATIONS UNLESS INDICATED IN NOTES.
- (4) FIELD TESTS ARE PER APPLICABLE ASTM STANDARDS: C138, C143, C172, C231

Note: This report is for the exclusive use of the Client addressed. This report may not be reproduced except in its entirety, without the written consent of TMI. Results apply only to above tests.

Henry L. Furr
 TERRA-MAR, INC.

TERRA-MAR, INC.
GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS
 DALLAS FORT WORTH HOUSTON LONGVIEW LUBBOCK AUSTIN
 11050 Ables Lane, Dallas, Texas 75229 Phone: 972-488-8800

CONCRETE INSPECTION AND FLEXURAL STRENGTH TEST REPORT
(THIRD POINT LOADING)
 *Revised Copy - Specifications

CLIENT: Ed Bell Construction
 PROJECT: Arapaho Road Improvements
 REPORT DATE: 02/01/99
 TMI REPORT #: DC98-050-93

REPORT DISTRIBUTION:
 Ed Bell Construction - Doug Teter
 Huitt-Zollars, Inc. - Kenneth Roberts, P.E.
 Town of Addison - James Pierce, P.E.
 Town of Addison - Dave Wilde

SPECIFICATIONS	FIELD DATA SET #3	PROJECT DATA
Ticket #: na	Time Batched: na	Time Sampled: na
Slump (in.): 5.00	Air Content: 5.0	Unit Weight (pcf): na
Conc. Temp. (°F): 50	Ambient Temp. (°F): 40	Yardage (c.y.): 160
Placement Location:		
Remarks: Quorum and Arapaho Road - southeast		

FIELD DATA SET #4		
Ticket #: _____	Time Batched: _____	Time Sampled: _____
Slump (in.): _____	Air Content: _____	Unit Weight (pcf): _____
Conc. Temp. (°F): _____	Ambient Temp. (°F): _____	Yardage (c.y.): _____
Placement Location: _____		
Remarks: _____		

CONCRETE COMPRESSION TEST RESULTS

BEAMS MOLDED AND CURED PER ASTM C31, TESTED PER ASTM C78

Set #	Beam #	Test Date	Age (Days)	Max. Load (lbs)	Average Depth, D	Average Width, B	Modulus of Rupture (psi)	Notes
3	APR123105	01/07/99	7	6300	5.90	6.10	525	
	APR123106	01/28/99	28	7320	6.00	6.10	610	* Does not meet specification
								<i>6% deficient 90% of Contract Price Allowed.</i>

- (1) SPAN LENGTH OF 18 INCHES, UNLESS NOTED ABOVE.
- (2) SPECIMENS GROUND PRIOR TO TESTING, LEATHER SHIMS USED DURING TESTING.
- (3) TEST RESULTS COMPLY WITH PROJECT SPECIFICATIONS UNLESS INDICATED IN NOTES.
- (4) FIELD TESTS ARE PER APPLICABLE ASTM STANDARDS: C138, C143, C172, C231

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Surge L. Fox, P.E.
 TERRA-MAR, INC.

TERRA-MAR, INC.
GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS
 DALLAS FORT WORTH HOUSTON LONGVIEW LUBBOCK AUSTIN

11050 Ables Lane, Dallas, Texas 75229 Phone: 972-488-8800

CONCRETE INSPECTION AND FLEXURAL STRENGTH TEST REPORT
(THIRD POINT LOADING)

CLIENT: Ed Bell Construction
PROJECT: Arapaho Road Improvements
REPORT DATE: 02/11/99
TMI REPORT #: DC98-050-94

REPORT DISTRIBUTION:
 Ed Bell Construction - Doug Teter
 Huitt-Zollars, Inc. - Kenneth Roberts, P.E.
 Town of Addison - James Pierce, P.E.
 Town of Addison - Dave Wilde

SPECIFICATIONS	PROJECT DATA
Strength (psi): <u>650</u>	Placement Date: <u>01/27/99</u>
Slump (in.): _____	Sampled By: <u>MK</u>
Air Content (%): _____	Weather: <u>Clear</u>
Concrete Temp (°F): _____	Supplier/Mix: <u>TXI</u>

FIELD DATA SET #1

Ticket #: <u>126896</u>	Time Batched: <u>12:25</u>	Time Sampled: <u>1:40</u>
Slump (in.): <u>5 1/2</u>	Air Content: <u>na</u>	Unit Weight (pcf): _____
Conc. Temp. (°F): <u>70</u>	Ambient Temp. (°F): <u>68</u>	Yardage (c.y.): <u>4.5/4.5</u>
Placement Location: <u>Light pole footing @ intersection of Arapaho Rd & Quarum Rd.</u>		

FIELD DATA SET #2

Ticket #: _____	Time Batched: _____	Time Sampled: _____
Slump (in.): _____	Air Content: _____	Unit Weight (pcf): _____
Conc. Temp. (°F): _____	Ambient Temp. (°F): _____	Yardage (c.y.): _____
Placement Location: _____		
Remarks: _____		

CONCRETE COMPRESSION TEST RESULTS								
BEAMS MOLDED AND CURED PER ASTM C31. TESTED PER ASTM C78								
Set #	Beam #	Test Date	Age (Days)	Max. Load (lbs)	Average Depth, D	Average Width, B	Modulus of Rupture (psi)	Notes
1	APR012701	02/03/99	7	6960	6.00	6.40	580	* * Does not meet specification
	APR012702	02/24/99	28	7740	6.10	6.20	645	
			<i>0.7% deficient</i>		<i>95% of contract price allowed</i>			

- (1) SPAN LENGTH OF 18 INCHES, UNLESS NOTED ABOVE.
- (2) SPECIMENS GROUND PRIOR TO TESTING, LEATHER SHIMS USED DURING TESTING.
- (3) TEST RESULTS COMPLY WITH PROJECT SPECIFICATIONS UNLESS INDICATED IN NOTES.
- (4) FIELD TESTS ARE PER APPLICABLE ASTM STANDARDS: C138, C143, C172, C231

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James L. Jones
 TERRA-MAR, INC.



PAT RIVIERA
FAX (214) 352-3201

FACSIMILE TRANSMITTAL COVER

DATE: 2-12-99

TIME:

FROM: Cliff Goff

PLEASE DELIVER THE FOLLOWING TRANSMITTAL TO:

NAME: Jim Pierce

FIRM: Town of Addison

PROJECT #

FAX # 972/450.2079

PROJECT NAME:

PHONE #

PROJECT
LOCATION:

MATERIALS FAXED:

COMMENTS:

The better redesign will be faxed in a couple of days.

There are _____ pages including cover letter. Please respond if all pages are not received.

Original to follow via mail

No original to follow

Landscape Architecture

3100 McKinnon Street / Suite 905 LB 152 / Dallas, Texas 75201
214/871-0568 Fax 214/871-1507

Jacey Upton

Full Name: Nick Easen
Last Name: Easen
First Name: Nick
Company: Arlington Cast Stone

Business Address: 2447 Riverbend W. Drive
Ft. Worth, TX 76118

Business: (214) 284-5933
Business Fax: (214) 284-1378

Categories: Stone Supplier

Jacey Upton

Full Name: Mike Keene
Last Name: Keene
First Name: Mike
Company: B & B Cut Stone

Business Address: PO Box 35
Shreveport, LA 71161

Business: (318) 425-7745
Business Fax: (318) 425-1405

Categories: Cut Stone Supplier, Holiday Card

Jacey Upton

Company: Dallas Cast Stone

Business Address: 4107 Hancock
Dallas, TX 75210

Business: (214) 428-6269

Categories: Cast Stone Supplier

ED BELL CONSTRUCTION COMPANY
P.O. BOX 540787
DALLAS, TX 75354-0787

FACSIMILE TRANSMITTAL SHEET

TO: <i>Jim Pierce</i>	FROM: <i>Robert D. Weber</i>
COMPANY: <i>Town of Addison</i>	DATE: <i>23 Feb 99</i>
FAX NUMBER: <i>(972) 450-2834</i>	TOTAL NO. OF PAGES INCLUDING COVER: <i>2</i>
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:

URGENT
 FOR REVIEW
 PLEASE COMMENT
 PLEASE REPLY
 PLEASE RECYCLE

NOTES/COMMENTS:

Jim,

It is my understanding that the keyway on the back of curb is missing in some locations. The attached detail is an approved keyway substitute from the City of Dallas standard specifications. Unless you object, it is our intent to use this detail where the keyway is missing. Let me know. Thanks.

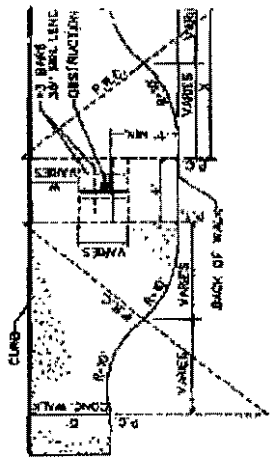
Rob

Gave verbal OK 2-24-99

J. Peirce

(214) 358-6581 VOICE (214) 352-3201 FAX

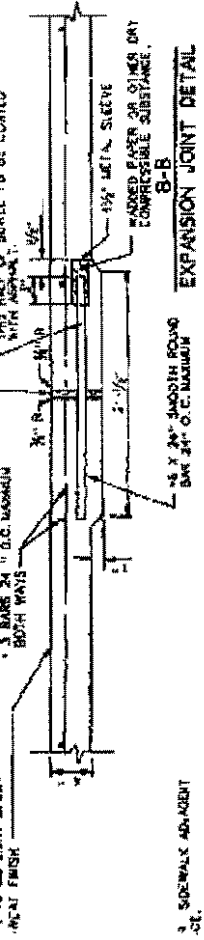
cc Pat Rivera ✓
Dave Wilde ✓



- NOTES:
1. IF ANY 3\"/>
 - 2. SOME WHEN NO PLAN WILL BE USED FOR WALK NOT ABUTTING CURB.

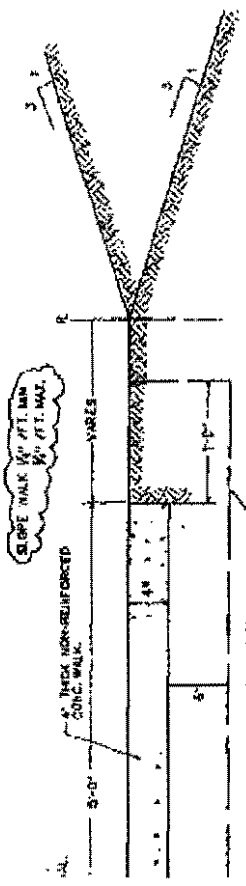
SIDEWALK WIDENING REQUIRED AROUND OBSTACLES IN SIDEWALK

* EXPANSION MATERIAL MUST BE PLACED THE BUILDING STRUCTURE WALL OR P. SIDEWALK IS POURED ADJACENT THESE



EXPANSION JOINT DETAIL 8-B

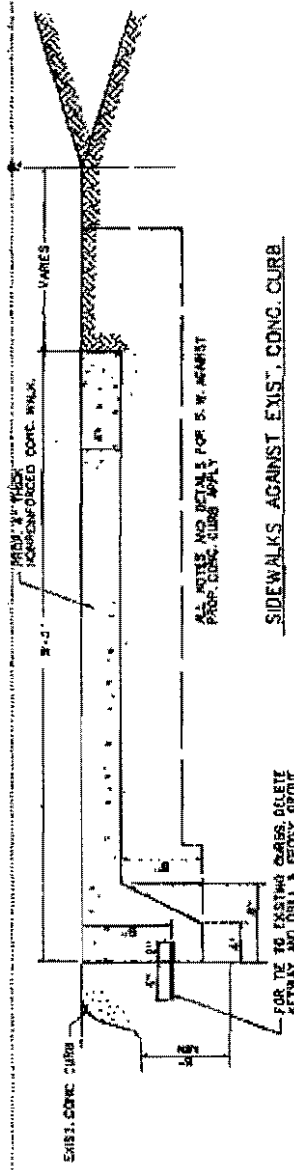
3. SIDEWALK ADJACENT



MINIMUM LIMITS FOR STABILIZATION

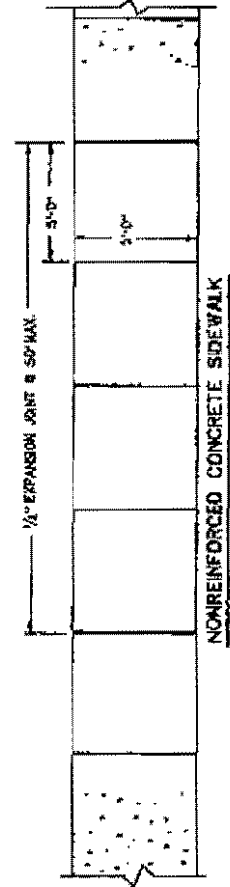
1. 3\"/>
- 2. 1\"/>
- 3. 1\"/>

- NOTES:
1. ALL HORIZONTAL BACK OF CURB TO BE TROWEL PLASTERED BEFORE POURING SIDEWALK.
 2. LUG MAY BE FORMED BY SHIPING SURFACING TO APPROXIMATE DIMENSIONS SHOWN.
 3. ALL REINFORCING BARS TO BE PLACED WITH 2\"/>
 - 4. PAYMENT FOR EXCAVATION, MATERIAL, STABILIZATION, AND COMPACTION AS SUBMITTAL TO CONCRETE SIDEWALK PAY ITEM.
 - 5. ALL REINFORCING BARS TO BE PLACED WITH 2\"/>
 - 6. ALL REINFORCING BARS TO BE PLACED WITH 2\"/>
 - 7. BACKFILL FOR SIDEWALK SUBGRADE SHALL BE LIKE STABILIZED SOIL OR SELECT.
 - 8. SIDEWALK MATERIAL SHALL BE PLACED AND COMPACTED TO THE DIMENSIONS SHOWN.
 - 9. ALL EXPANSION JOINTS SHALL BE PROVIDED AT STREET EXPANSION JOINTS AND AT ALL ADJACENT TO EXISTING SIDEWALKS. ALL EXPANSION JOINTS SHALL BE PROVIDED AT ALL UNBUILT SIDEWALKS.

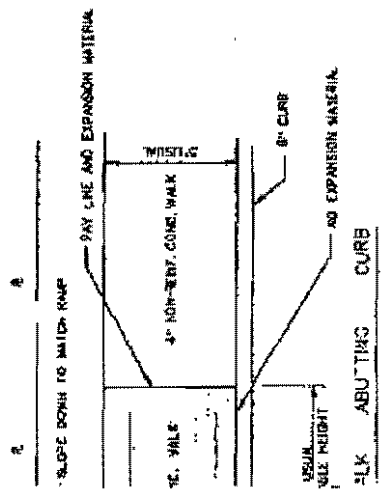


SIDEWALKS AGAINST EXIST. CONC. CURB

* SEE PAGE 2001 FOR DETAIL OF SIDEWALK ADJACENT TO INLET.



NONREINFORCED CONCRETE SIDEWALK



MISCELLANEOUS	
REINFORCED SIDEWALK	
BARRIER FREE RA	
DEPARTMENT OF PUBLIC WORKS &	
CITY OF DALLAS	
DESIGN	DATE
DRANN	2/25/10
C.O.D. ABALL	FILE NO.
	2510
	1

APPROVED: [Signature]
DATE: 2/25/10

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Bill Millsaps

From: James C. Pierce, Jr., P.E., DEE

Company: MESA

Assistant City Engineer

Phone: 972/450-2879

FAX #: 214-871-1507

FAX: 972/450-~~2837~~
2834

Date: 2-24-99

16801 Westgrove

P.O. Box 9010

Addison, TX 75001-9010

of pages (including cover): 1

Re: Arapaho Rd

Original in mail

Per your request

FYI

Call me

Comments: To confirm my telephone message:

We have never received the names of
the 3 precast companies that can
precast the bollards.

Please respond ASAP

Thanks

Jim

cc Slade Strickland

ED BELL CONSTRUCTION COMPANY

POST OFFICE BOX 540787
DALLAS, TEXAS 75354-0787

10605 HARRY HINES BOULEVARD
DALLAS, TEXAS 75228

FAX

TO: Jim Pierce

AT: Addicks

FAX NUMBER: (972) 450-2834

FROM: Robert Weber

DATE: 18 Feb 99

PAGE: 1 OF 2

MESSAGE: _____

Jim,
Here is our proposal for temporary buttons to replace
the temporary patch

RB

IF MESSAGE IS UNCLEAR PLEASE CONTACT OUR OFFICE AT
(214) 358-6581
THANK YOU!

TOWN OF
ADDISON

Faxed
9:15 AM

PUBLIC WORKS

To: Joel Renaud

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

Company: Dallas Trans.

FAX #: 214-670-3800

Date: 2-22-99

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

of pages (including cover): 2

Re: Arapaho Rd / Tollway Traffic Switch

- Original in mail Per your request FYI Call me

Comments: Joel: This is to give notice that we want to make a traffic switch on Arapaho, across the Tollway as shown on the attached. The purpose is to be able to work on the north side of Arapaho, just west of the Tollway. Please prepare to make signal adjustments as appropriate. While this is our "2 week notice", we would like to do this sooner if at all possible. Please call and lets coordinate this. Thanks,

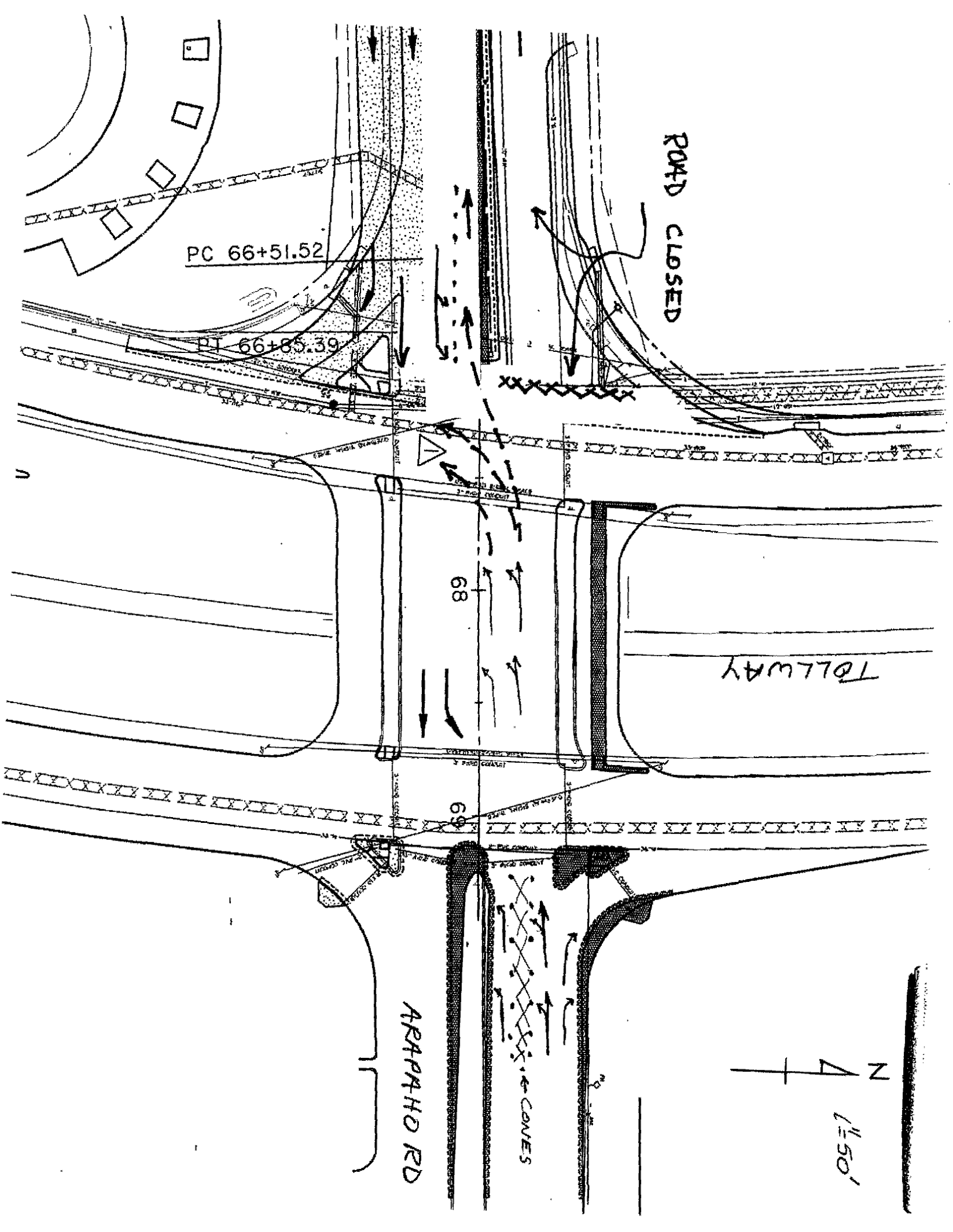
Jim

cc Pat Rivera

Robert Weber

Dave Wilde

Phone 214-670-7019



ROAD CLOSED

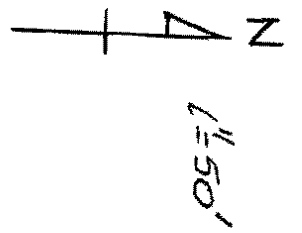
PC 66+51.52

PT 66+85.39

TOLLWAY

ARAPAHO RD

CONES



68

69

ED BELL CONSTRUCTION COMPANY

POST OFFICE BOX 540787
DALLAS, TEXAS 75354-0787

10605 HARRY HINES
DALLAS, TEXAS 75220

February 18, 1999

Mr. James C. Pierce, Jr., P.E.
Assistant City Engineer
Town of Addison
P.O. Box 144
Addison, Texas 75001

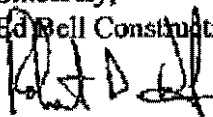
Post-it® Fax Note	7671	Date	2-22-99	# of pages	1
To	Ken Roberts	From	Jim Pierce		
Co./Dept.	Hutt Zollers	Co.	Addison		
Phone #		Phone #	972-450-2879		
Fax #	214-871-0757	Fax #			

Re: Arapaho Road Reconstruction
Addison Road to Dallas North Tollway
Town of Addison

Dear Mr. Pierce:

As you are aware, we have some concerns regarding the temporary work zone traffic marking item currently set up in the contract. It has been our experience that temporary reflective buttons provide traffic markings that are easier to see, more durable, and are less visible once removed than the temporary paint currently set up in the contract. Our price for installing yellow or white temporary buttons is \$1.55 per LF. This price is installation and removal of a single white button every five feet or a double row of yellow buttons every five feet throughout the applicable work zone. Please inform our office of your decision regarding this proposal.

If you have any questions regarding this information, don't hesitate to contact our office.

Sincerely,
Ed Bell Construction Company

Robert D. Weber
Project Engineer

State pays the same for either one. Costs are based on historical cost data.

Est. 6,000 LF

~~\$ 7.75~~ per single or double button

~~\$ 46,500~~

Araps / TU vault

2-22-99

Rick-

Called Montensen for backup
on vault location

Should be able to get plan

"TU directed us." (for vault location?)

Montensen moved back to

Seattle -

Milap - work sidewalk
around the vault - should
be OK.

Arapaho Rd Const Meeting

2-18-99

1. Discussion of change order for use of thermoplastic adhesive and plastic buttons instead of temporary striping. Buttons used every 3 to 4 feet. Single/Double reflectors?

2. Pat is ready to pour the curb @ Perry's C Store. Inspection of forms requested by Dave Wilde.

* Call Carmen re Gas Pumps @ C Store

3. Reid Ballard details -

* 4 Call TU re moving poles @ Quorum - E-mail also -

5. Contacted SW Bell to raise manhole -

6. Red Lights have been moved in vicinity of TU Vault.

7. Schedule -

8. Discussed use of Hi Early concrete when it would be advantageous -

~~9.~~ 9. Dave will talk to Quorum II People

10. Need price for 24 station Irving controller

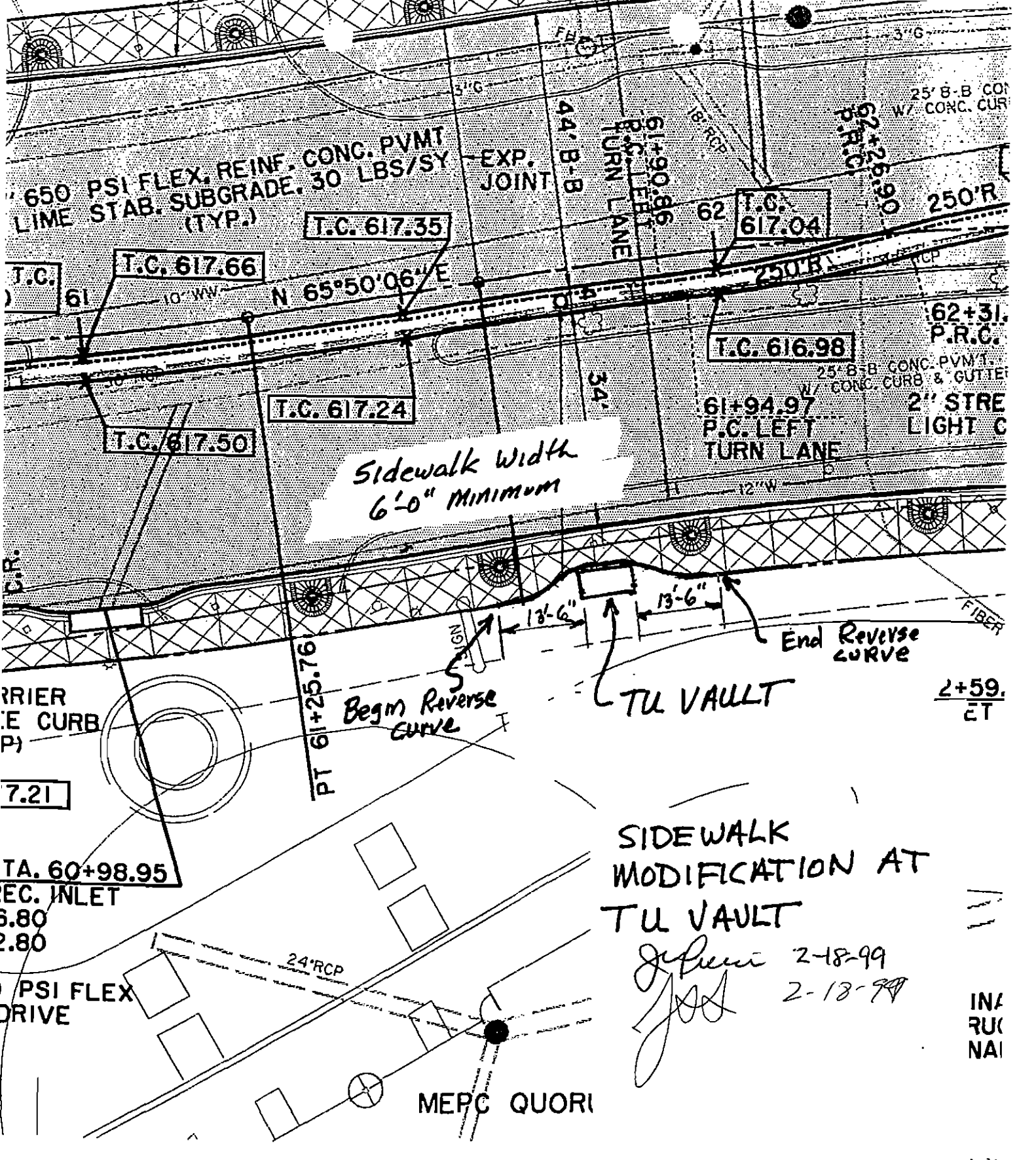
11. Need Caps on Signal Poles @ Addison -

12. Need price for fire hydrant to be moved on Quorum.

13. DART coordination -

~~the~~

Next Meeting -



650 PSI FLEX, REINF. CONC. PVMT
 LIME STAB. SUBGRADE, 30 LBS/SY
 (TYP.)

EXP. JOINT

T.C. 617.35
 T.C. 617.66
 N 65°50'06" E

T.C. 617.24
 T.C. 617.50

Sidewalk Width
 6'-0" MINIMUM

Begin Reverse Curve

TU VAULT

End Reverse Curve

SIDEWALK
 MODIFICATION AT
 TU VAULT

John 2-18-99
JSA 2-13-99

MEPC QUORI

BARRIER
 CURB
 (P)

7.21

TA. 60+98.95
 REC. INLET
 3.80
 2.80

650 PSI FLEX
 DRIVE

2+59.21

INA
 RUC
 NAI

52

Arapaho Rd Const Meeting

2-18-99

<u>Name</u>	<u>Company</u>	<u>Phone</u>
Jim Boyce	Addison	972-450-2879
Scott D. Duman	ED Bell	214-507-4916
DAVE WILDE	ADDISON	972)450-2847/2837

Meeting with Mike Fiske

2-17-99

IRS Integrated Roadway Services -
Sub to Mel's Electric

Can add a master ^{traffic signal} controller @ any time

Video detection can also work thru the
master controller (external unit) "Codec"

PTZ = Pan, Tilt & Zoom

6 twisted wire pairs would be needed
for future



FACSIMILE TRANSMITTAL COVER

DATE: FEB 17 '99

TIME:

FROM: DOUGLAS HARVEY

PLEASE DELIVER THE FOLLOWING TRANSMITTAL TO:

NAME: JIM PIERCE
BLADE STRICKLAND.
PROJECT # 97018

FIRM: CITY OF ADDISON

FAX # 972 - 450 - 2834

PROJECT NAME: ARAPAHO STREETSCAPE PHONE #

PROJECT LOCATION: ADDISON

MATERIALS FAXED: DETAIL OF CONCRETE BOLLARDS.

COMMENTS: FOLLOWING ARE THE REVISED DETAIL DRAWINGS FOR THE BOLLARDS & LIGHTS ON THE ADDISON STREETSCAPE PROJECT. PLEASE CALL IF YOU HAVE ANY QUESTIONS. THANKS.
There are pages including cover letter. Please respond if all pages are not received.

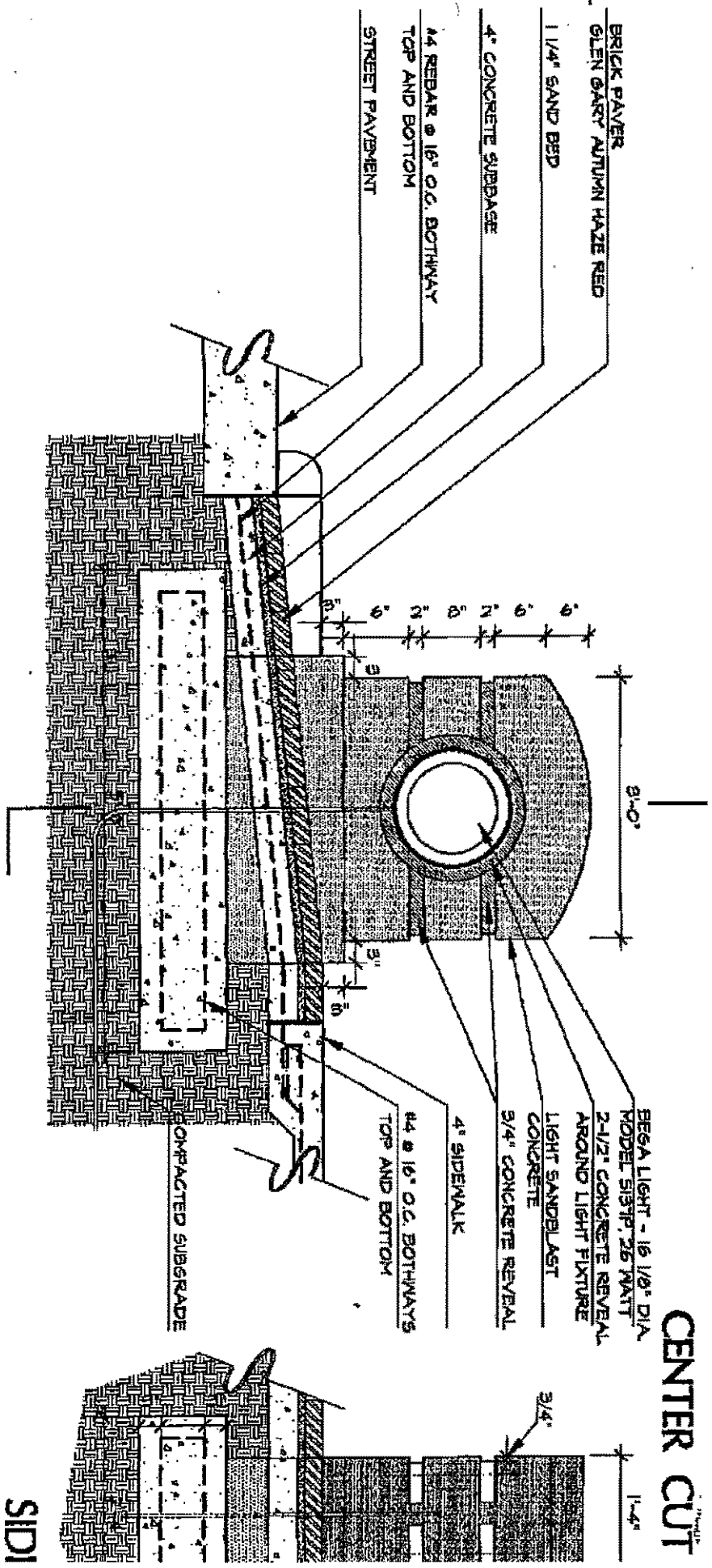
Original to follow via mail

No original to follow

cc Pat Rivera ✓
Dave Wilde ✓

Landscape Architecture

3100 McKinnon Street / Suite 905 LB 152 / Dallas, Texas 75201
214/871-0568 Fax 214/871-1507



ELEVATION

CENTER CUT

NOTE: ALL CORNERS TO HAVE 1/2" RADIUS
 BOLLARDS TO BE PRECAST CONCRETE, SANDBLAST FINISH,
 WITH COLOR TO MATCH SIDEWALK
 JUNCTION BOX FOR LIGHT FIXTURE TO BE CAST INTO BOLLARD

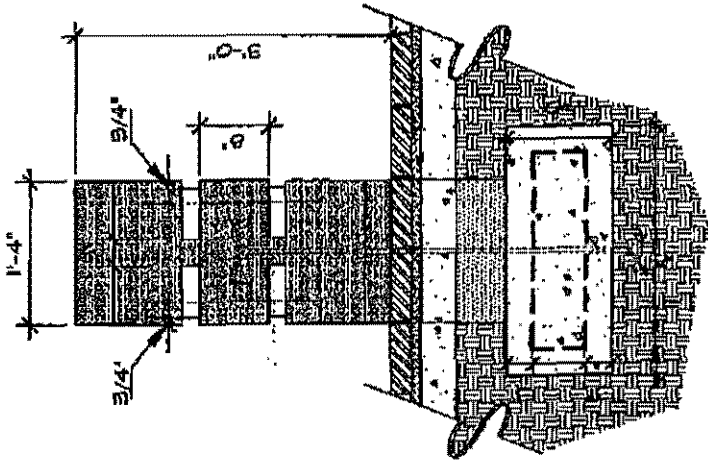
B CUSTOM CONCRETE BOLLARD
 3' / 11" - 11" / 11"

2"
 BEGA LIGHT - 16 1/8" DIA.
 MODEL B131P, 26 WATT
 2-1/2" CONCRETE REVEAL
 AROUND LIGHT FIXTURE
 LIGHT SANDBLAST
 CONCRETE
 3/4" CONCRETE REVEAL

4" SIDEWALK

#4 @ 16" O.C. BOTHWAYS
 TOP AND BOTTOM

COMPACTED SUBGRADE



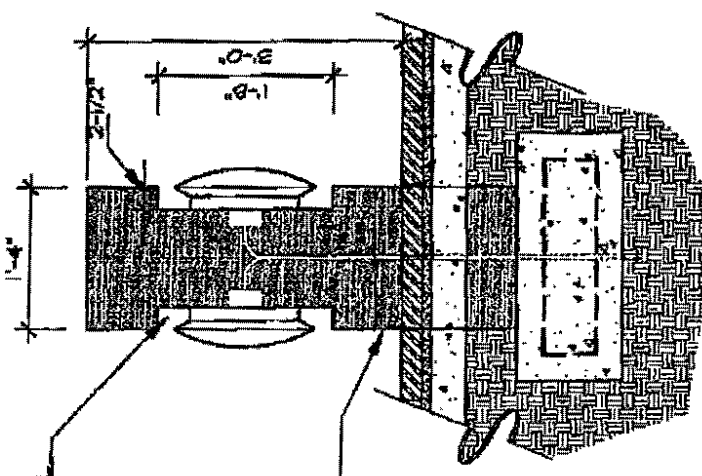
SIDE ELEVATION

TION

ALL CORNERS TO HAVE 1/2" RADIUS
 BOLLARDS TO BE PRECAST CONCRETE, SANDBLAST FINISH,
 WITH COLOR TO MATCH SIDEWALK
 JUNCTION BOX FOR LIGHT FIXTURE TO BE CAST INTO BOLLARD

CUSTOM CONCRETE BOLLARD

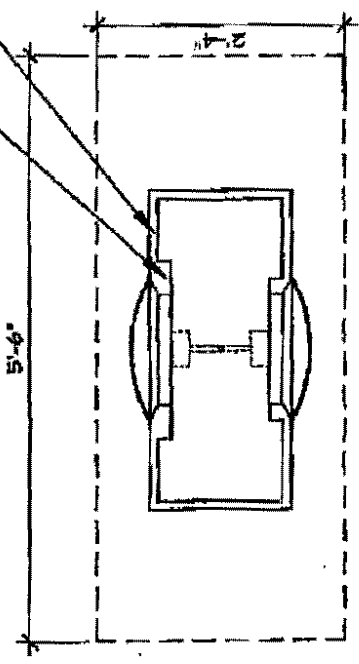
3/4"=1'-0"



2-1/2" CONCRETE REVEAL
AROUND LIGHT FIXTURE

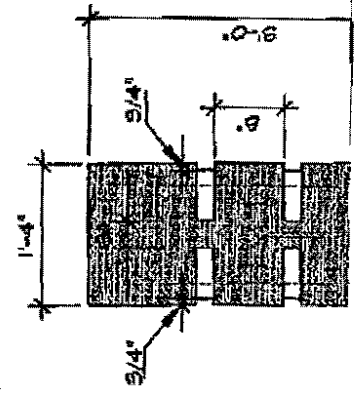
3/4" CONCRETE REVEAL

BOLLARD BASE



PLAN

CENTER CUT SECTION



BEGA LIGHT - 16 1/8" DIA.
MODEL 5131P, 26 WATT

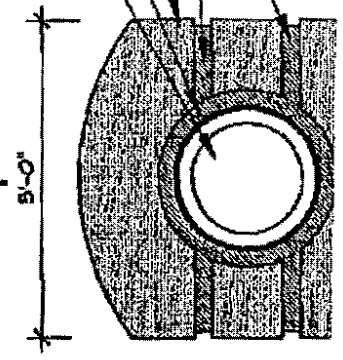
2-1/2" CONCRETE REVEAL
AROUND LIGHT FIXTURE

LIGHT SANDBLAST
CONCRETE

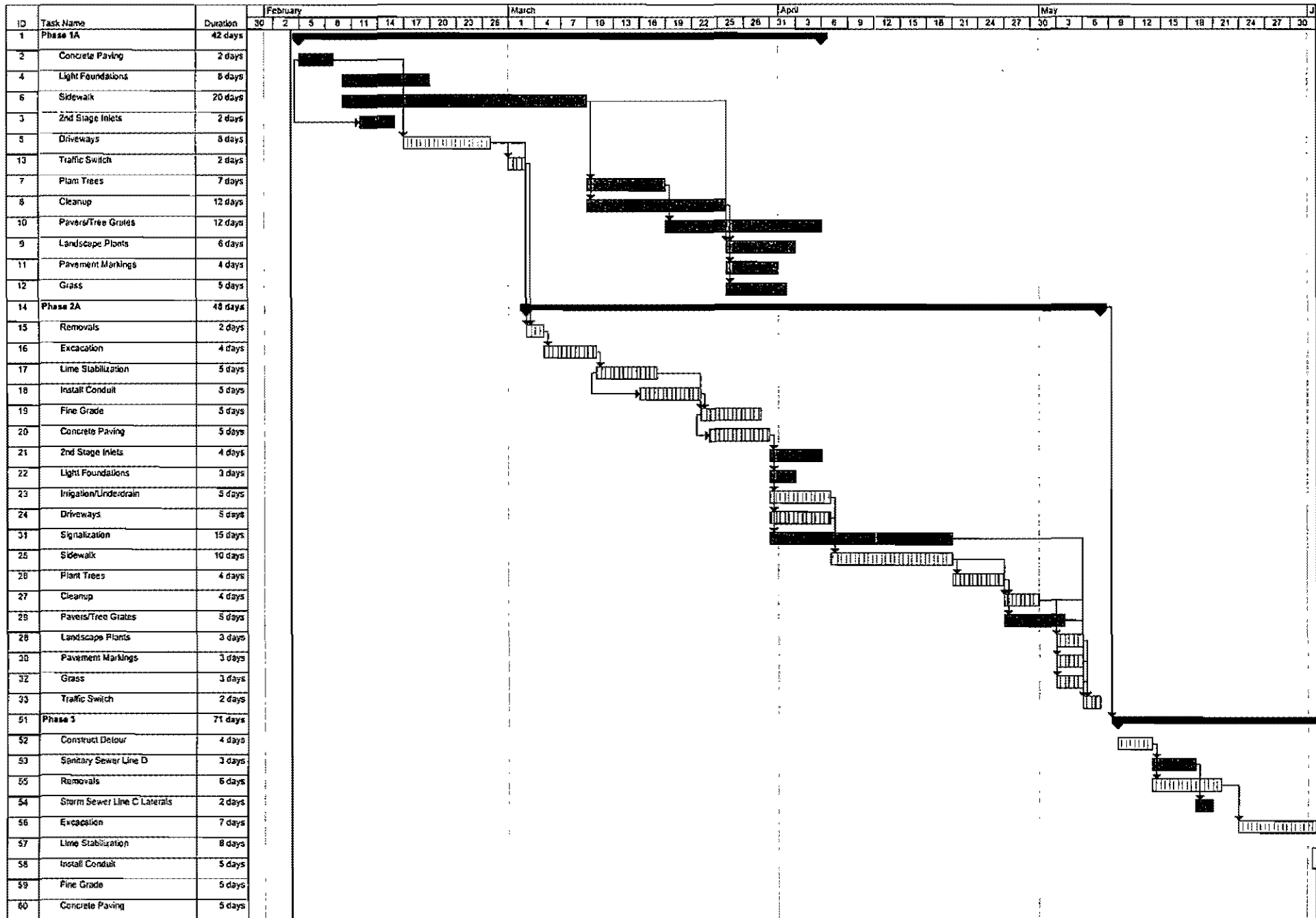
3/4" CONCRETE REVEAL

4" SIDEWALK

#4 @ 16" O.C. BOTHWAYS
TOP AND BOTTOM



5'-0"
5'-0"
2"
2"
2"
2"
2"
2"
2"
2"



Project: Apache Road Reconstruction
 Date: Thu 2/4/99

Task		Progress		Summary		Rolled Up Critical Task		Rolled Up Progress		External Tasks	
Critical Task		Milestone		Rolled Up Task		Rolled Up Milestone		Split		Project Summary	

ID	Task Name	Duration	February	March	April	May
61	2nd Stage Inlets	4 days	30	1	1	1
62	Light Foundations	4 days	2	1	1	1
63	Ingotation/Underdrain	5 days	3	2	1	1
64	Driveways	3 days	4	2	1	1
71	Sanitization	10 days	5	3	1	1
65	Sidewalk	10 days	6	4	1	1
66	Plant Treets	11 days	7	4	1	1
67	Cleanup	10 days	8	4	1	1
69	Paints/Trees/Grates	15 days	9	5	1	1
60	Landscape Plants	3 days	10	5	1	1
70	Pavement Markings	4 days	11	6	1	1
72	Grass	5 days	12	6	1	1
70	Traffic Switch	1 day	13	6	1	1
34	Phase 4	42 days	14	7	1	1
35	Storm Sewer Line C-2	4 days	15	7	1	1
36	Storm Sewer Line C-3	4 days	16	7	1	1
37	Removals	3 days	17	7	1	1
38	Excavation	5 days	18	7	1	1
39	Line Substation	7 days	19	7	1	1
40	Insola Conduit	2 days	20	7	1	1
41	File Grade	7 days	21	7	1	1
42	Concrete Paving	7 days	22	7	1	1
43	2nd Stage Inlets	3 days	23	7	1	1
44	Light Foundations	3 days	24	7	1	1
45	Ingotation/Underdrain	3 days	25	7	1	1
46	Driveways	2 days	26	7	1	1
47	Sidewalk	4 days	27	7	1	1
48	Cleanup	4 days	28	7	1	1
49	Pavement Markings	6 days	29	7	1	1
50	Traffic Switch	1 day	30	7	1	1
74	Final Cleanup/Punch List	10 days	31	7	1	1

Project: Arapahoe Road Reconstruction
 Date: Thu 2/24/09

Task: Task Critical Task

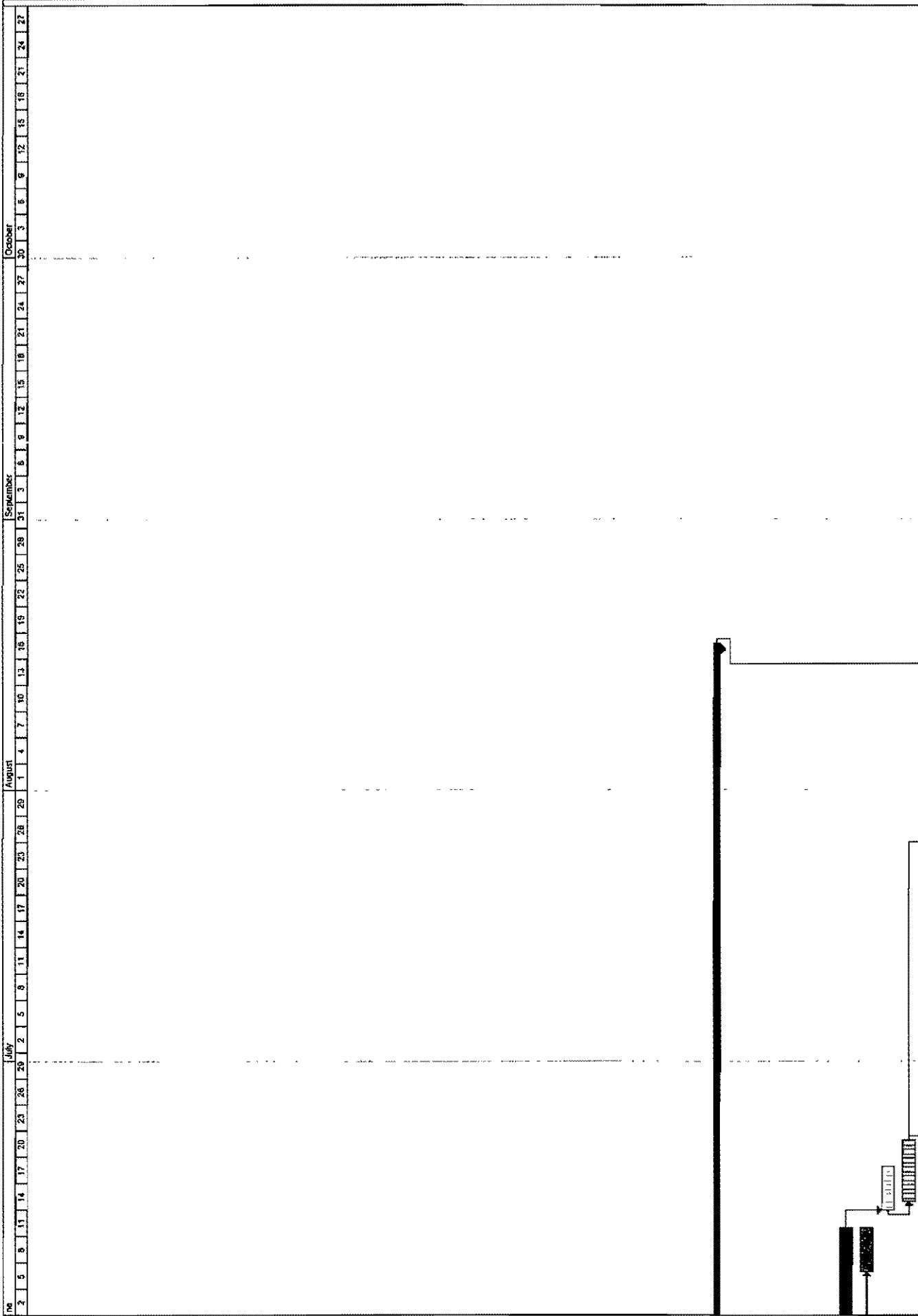
Progress Milestone

Summary Rolled Up Task

Rolled Up Critical Task Rolled Up Milestone

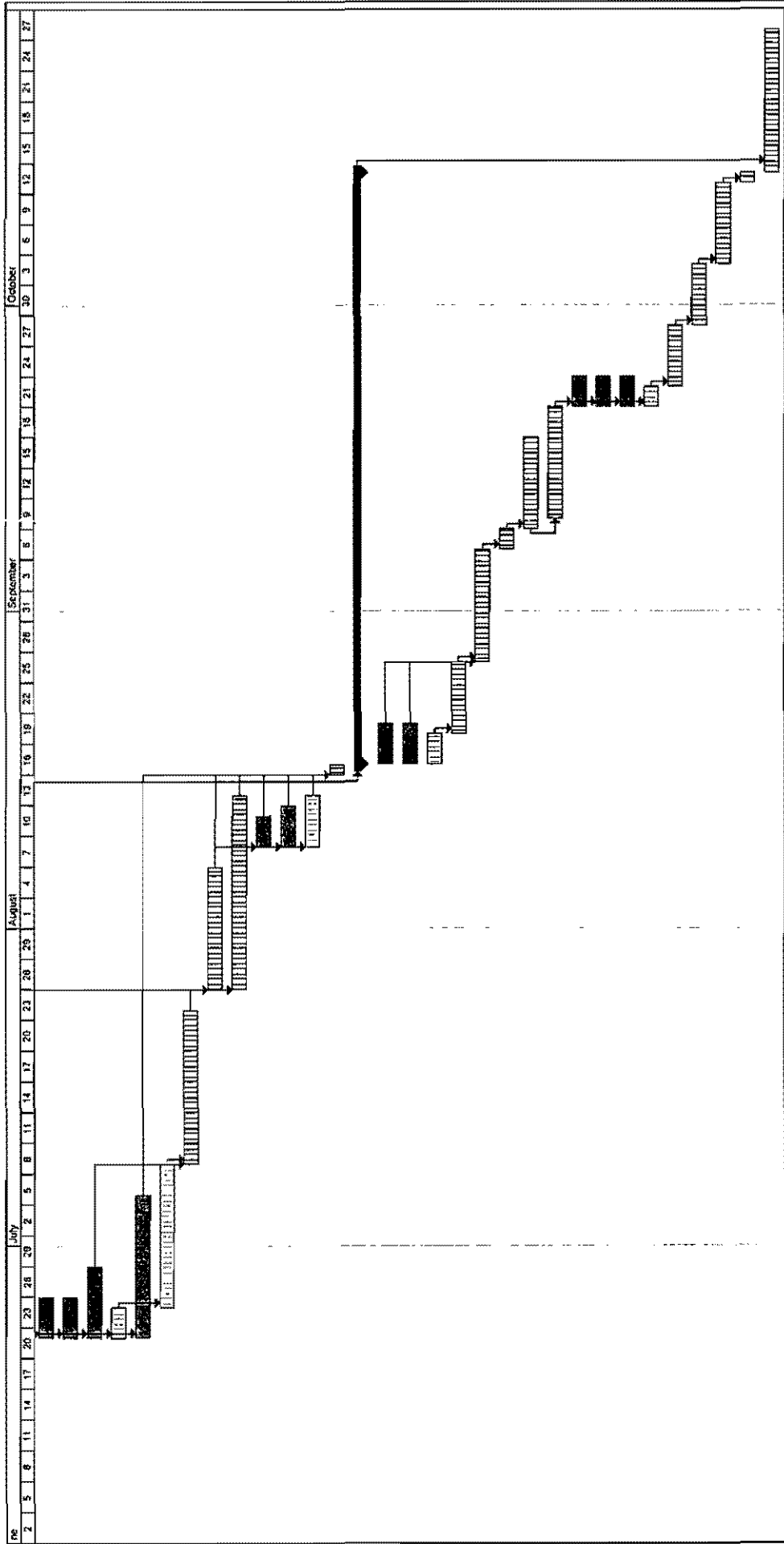
Rolled Up Progress Split

External Tasks Project Summary



Project: Arapaho Road Reconstruction
 Date: Thu 2/4/99

Legend:
 ■ Task
 ■ Critical Task
 ■ Progress
 ■ Milestone
 ■ Summary
 ■ Rolled Up Task
 ■ Rolled Up Critical Task
 ■ Rolled Up Progress
 ■ Rolled Up Milestone
 ■ External Tasks
 ■ Project Summary



Project: Arapaho Road Reconstruction
 Date: Thu 2/4/99

Task: [Solid Black Bar] Critical Task: [Diagonal Hatched Bar]

Progress: [Solid Black Bar] Milestone: [Diamond]

Summary: [Solid Black Bar] Rolled Up Task: [Solid Black Bar]

Rolled Up Critical Task: [Diagonal Hatched Bar] Rolled Up Milestone: [Diamond]

Rolled Up Progress: [Solid Black Bar] Sppt: [Dotted Line]

External Tasks: [Solid Black Bar] Project Summary: [Dotted Line]

Legend: [Solid Black Bar] [Diagonal Hatched Bar] [Diamond] [Dotted Line]

TOWN OF
ADDISON

PUBLIC WORKS

To: Gerry Fox

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

Company: Terra Mar

FAX #: 972-488-8080

Date: 2-15-99

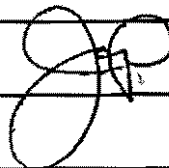
16801 Westgrove
P.O. Box 9010
Addison, TX 75001-9010

of pages (including cover): 3

Re: Report # DC98-050-93

- Original in mail Per your request FYI Call me

Comments: Strength Specifications
for pavement reported incorrectly
Should be 650 psi flex
Please revise & reissue report
Concrete does not meet specs.



cc Pat Rivera

TERRA-MAR, INC.
GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS
 DALLAS FORT WORTH HOUSTON LONGVIEW LUBBOCK AUSTIN

11050 Ables Lane, Dallas, Texas 75229 Phone: 972-488-8800

CONCRETE INSPECTION AND FLEXURAL STRENGTH TEST REPORT
(THIRD POINT LOADING)

CLIENT: Ed Bell Construction
PROJECT: Arapaho Road Improvements
REPORT DATE: 02/01/99
TMI REPORT #: DC98-050-93

REPORT DISTRIBUTION:
 Ed Bell Construction - Doug Teter
 Huitt-Zollars, Inc. - Kenneth Roberts, P.E.
 Town of Addison - James Pierce, P.E.
 Town of Addison - Dave Wilde

650

SPECIFICATION

Strength (psi): 550
 Slump (in.): 4
 Air Content (%): 5
 Concrete Temp (°F): _____

PROJECT DATA

Placement Date: 12/31/98
 Sampled By: J. Perez
 Weather: Sunny
 Supplier/Mix: TXI

FIELD DATA SET #1

Ticket #: na Time Batched: 8:14 Time Sampled: 9:00
 Slump (in.): 5.00 Air Content: 5.0 Unit Weight (pcf): na
 Conc. Temp. (°F): 50 Ambient Temp. (°F): 40 Yardage (c.y.): 50
 Placement Location: Quorum and Arapaho Road - northwest

FIELD DATA SET #2

Ticket #: _____ Time Batched: 9:03 Time Sampled: 9:55
 Slump (in.): 5.00 Air Content: 5.0 Unit Weight (pcf): na
 Conc. Temp. (°F): 50 Ambient Temp. (°F): 40 Yardage (c.y.): 50
 Placement Location: Quorum and Arapaho Road - south center

Remarks: _____

CONCRETE COMPRESSION TEST RESULTS

BEAMS MOLDED AND CURED PER ASTM C31, TESTED PER ASTM C78

Set #	Beam #	Test Date	Age (Days)	Max. Load (lbs)	Average Depth, D	Average Width, B	Modulus of Rupture (psi)	Notes
1	APR123101	01/07/99	7	6300	5.90	6.10	525	
	APR123102	01/28/99	28	7320	5.90	6.10	610	
2	APR123103	01/07/99	7	6060	5.90	6.10	505	
	APR123104	01/28/99	28	7260	5.90	6.00	605	

- (1) SPAN LENGTH OF 18 INCHES, UNLESS NOTED ABOVE.
- (2) SPECIMENS GROUND PRIOR TO TESTING, LEATHER SHIMS USED DURING TESTING.
- (3) TEST RESULTS COMPLY WITH PROJECT SPECIFICATIONS UNLESS INDICATED IN NOTES.
- (4) FIELD TESTS ARE PER APPLICABLE ASTM STANDARDS: C138, C143, C172, C231

Note: This report is for the exclusive use of the Client addressed. This report may not be reproduced except in its entirety, without the written consent of TMI. Results apply only to above tests.

James L. Foy, P.E.
 TERRA-MAR, INC.

TERRA-MAR, INC.
GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS
 DALLAS FORT WORTH HOUSTON LONGVIEW LUBBOCK AUSTIN

11050 Ables Lane, Dallas, Texas 75229 Phone: 972-488-8800

CONCRETE INSPECTION AND FLEXURAL STRENGTH TEST REPORT
(THIRD POINT LOADING)

CLIENT: Ed Bell Construction
PROJECT: Arapaho Road Improvements
REPORT DATE: 02/01/99
TMI REPORT #: DC98-050-93

REPORT DISTRIBUTION:
 Ed Bell Construction - Doug Teter
 Huitt-Zollars, Inc. - Kenneth Roberts, P.E.
 Town of Addison - James Pierce, P.E.
 Town of Addison - Dave Wilde

SPECIFICATIONS	FIELD DATA SET #3	PROJECT DATA
Ticket #: na	Time Batched: na	Time Sampled: na
Slump (in.): 5.00	Air Content: 5.0	Unit Weight (pcf): na
Conc. Temp. (°F): 50	Ambient Temp. (°F): 40	Yardage (c.y.): 160
Placement Location:		
Remarks:	Quorum and Arapaho Road - southeast	

FIELD DATA SET #4		
Ticket #:	Time Batched:	Time Sampled:
Slump (in.):	Air Content:	Unit Weight (pcf):
Conc. Temp. (°F):	Ambient Temp. (°F):	Yardage (c.y.):
Placement Location:		
Remarks:		

CONCRETE COMPRESSION TEST RESULTS								
BEAMS MOLDED AND CURED PER ASTM C31, TESTED PER ASTM C78								
Set #	Beam #	Test Date	Age (Days)	Max. Load (lbs)	Average Depth, D	Average Width, B	Modulus of Rupture (psi)	Notes
3	APR123105	01/07/99	7	6300	5.90	6.10	525	
	APR123106	01/28/99	28	7320	6.00	6.10	610	

- (1) SPAN LENGTH OF 18 INCHES, UNLESS NOTED ABOVE.
- (2) SPECIMENS GROUND PRIOR TO TESTING, LEATHER SHIMS USED DURING TESTING.
- (3) TEST RESULTS COMPLY WITH PROJECT SPECIFICATIONS UNLESS INDICATED IN NOTES.
- (4) FIELD TESTS ARE PER APPLICABLE ASTM STANDARDS: C138, C143, C172, C231

Serry L. Foo, P.E.
 TERRA-MAR, INC.

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TERRA-MAR, INC.

GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS

Dallas Fort Worth Houston Austin Longview Lubbock

11050 Ables Lane, Dallas, Texas 75229 Phone: 972-488-8080 Fax: 972-488-8080

LIME TREATED SOIL THICKNESS DETERMINATIONS

Client: Ed Bell Construction
Project: Arapaho Road Improvements
Report No.: DC98-050-97
Report Date: 02/05/99

Distribution:
Ed Bell Construction - Doug Teter
Huitt-Zollars - Kenneth Roberts
Town of Addison - James Pierce
Town of Addison - Dave Wilde

TEST NO.	LOCATION	ACTUAL DEPTH	REQUIRED DEPTH
1	Left turn lane from Quorum to Arapaho, NB	7.0	
2	Arapaho Rd at station 40+75	7.5	
3	Arapaho Rd at station 41+25	7.0	
4	Left turn lane from Quorum to Arapaho, SB	7.0	


TERRA-MAR, INC.

Note: This report is for the exclusive use of the client addressed.
This report may not be reproduced except in its entirety, without the written consent of TMI. Result apply only to above tests.

TERRA-MAR, INC.

GEOTECHNICAL ENVIRONMENTAL AND MATERIALS ENGINEERS

DALLAS FORT WORTH HOUSTON AUSTIN LONGVIEW LUBBOCK

11050 Ables Lane, Dallas, Texas 75229 Phone:972-488-8800 Fax: (972)488-8080

STABILIZED SOIL GRADATION REPORT

CLIENT: Ed Bell Construction
PROJECT: Arapaho Road Improvements
REPORT DATE: 02/05/99
TMI REPORT #: DC98-050-95

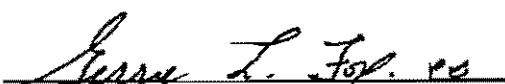
DISTRIBUTION:
Ed Bell Construction - Doug Teter
Huit-Zollars, Inc. - Kenneth Roberts, P.E.
Town of Addison - James Pierce, P.E.
Town of Addison - Dave Wilde

Test Method: _____ Technician: M. Kashem
Minimum % Passing 1 3/4" Sieve: 100 Date Tested: 02/02/99
Minimum % Passing No. 4 Sieve: 60 Stabilizing Agent: Lime

TEST NUMBER	LOCATION	PERCENT PASSING 1 3/4" SIEVE	PERCENT PASSING #4 SIEVE
1	Araphao Road, station 41+00	100	63.5
2	Araphao Road, station 41+57	100	64.8
3	Left turn lane from Quorum to Arapho Rd	100	64.0

Remarks: _____

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TERRA-MAR, INC.

Arapahoe

7-12-99

Rich Weiblen MEPC:

TU Vault - TU gave location & elevation. Mel's Electric did the lines & placed the lines & vault where instructed to:

Rich thought it would be cut off & leave in sidewalk area

801-621-2545 ext 143

144?

Or will be back tuesday

Concrete aprons poured soon.

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Robert Weber

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

Company: Ed Bell Const

FAX #: 214-352-3201

Date: 2-12-99

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

of pages (including cover): 2

Re: Arapaho Rd

- Original in mail Per your request FYI Call me

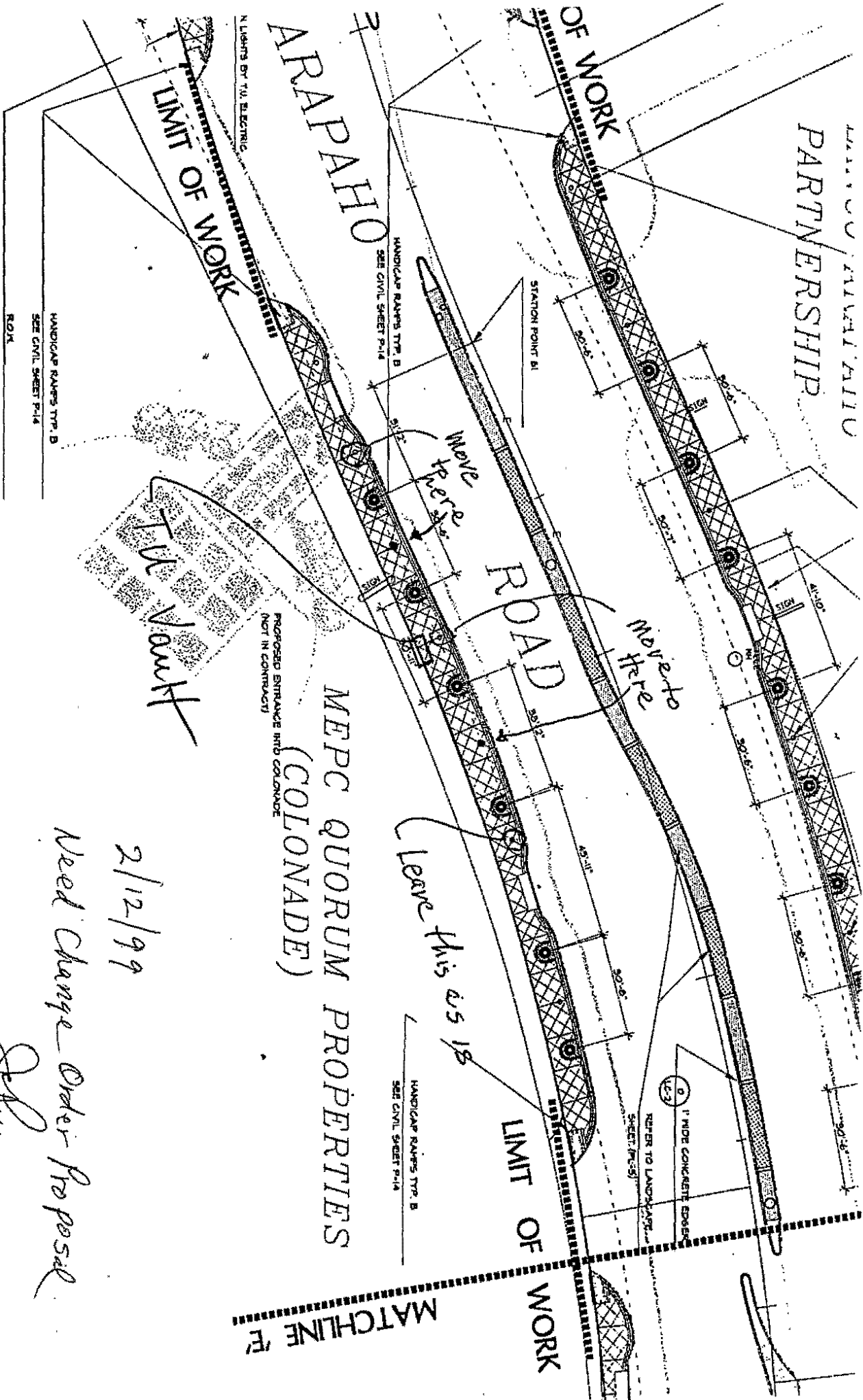
Comments: Because of the conflict with a
TU Vault (as shown on the attached)
two pedestrian lights need to be
moved/relocated as shown, all quant-
ities stay the same but this causes
additional electrical conduit work.

Please furnish a Change Order
proposal.

J. Pierce

cc Pat Rivera ✓
Dave Wilde ✓

LEASING PARTNERSHIP



ARAPAHO

ROAD

MEPC QUORUM PROPERTIES (COLONADE)

TW Work

2/12/99
Need Change Order Proposal

J. J. J.

WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS.

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Bill Millsap

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

Company: MESA

FAX #: 214-871-1507

Date: 2-11-99

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

of pages (including cover): 1

Re: Street/Sidewalk Expansion Joints

- Original in mail Per your request FYI Call me

Comments: The plans call for sidewalk expansion joints to "line up" with the roadway expansion joints. There is no way the sidewalk joints will line up with the street joints unless we somehow make that happen. The street joints will not be located @ multiples of 10 feet (sidewalk joint spacing). Please review this situation and give us your recommendation.

Jim

cc Pat Rivera Cliff Goff called - Nothing
Dave Wilde can be done to get them
to line up w/o destroying pattern. 10' spacing
of joints in sidewalk should be forgiving.

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Bill Milsap

From: James C. Pierce, Jr., P.E., DEE
Assistant City Engineer
Phone: 972/450-2879
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FAX #: 214-871-1507

Date: 2-11-99

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

of pages (including cover): 1

Re: Arapaho Road

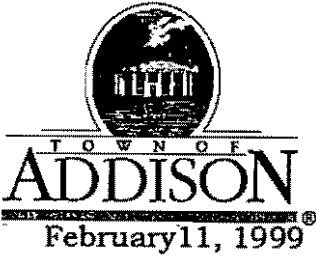
Original in mail Per your request FYI Call me

Comments: Confirming my telephone call
this date we need:

1. Length of dowel bar in sidewalk
expansion joint - Sheet LC-2 - 12" ok?
2. Additional details for the pre-
cast bollards
3. Names of several precast
company's capable of performing
the work - with contact name &
numbers.

Thanks,

Jim



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

MEMORANDUM

To: Ron Whitehead, City Manager
From: Jim Pierce, Assistant City Engineer *JEP*
Subject: Arapaho Road Schedule Up-Date

The original schedule for completion of Arapaho Road construction was June 14, 1999. We took a risk when awarding the bid for this project, as we knew we did not have all of the right-of-way for the road, and, all utilities were not relocated out of the right-of-way. The utility companies (mainly TU Electric), were not able to relocate their utilities in a timely manner, and consequently, the schedule has now been extended (conservatively) to October 24, 1999 for completion.

The DART Transit Center construction was originally scheduled for completion in May. However, they are ahead of schedule and will be complete in mid-April.

By mid-April, all paving and sidewalks should be complete from Quorum Drive to Addison Road, including signals at Quorum Drive, which will allow bus service to access the new transit center from Quorum Drive and Addison Road. This will also get traffic out of the potholes near Addison Road and on to new pavement. Busses coming from the east on Arapaho Road will continue to travel through the construction zone.

The pavement and sidewalks on the south side of Arapaho, adjacent to the Colonnade should be complete by mid-March.

Phase 2, beginning in early March, will complete the paving at the intersection of Addison and Arapaho, and at Arapaho and Edwin Lewis Drive, including the new traffic signals. At the east end of the project, traffic will be switched to the new south side pavement, and the north side pavement will be completed. Also, the storm sewer will be installed and the pavement completed on the west side of Spectrum Drive. This work should be complete in early May.

During Phase 3, beginning in early May, pavement will be completed on the east side of Spectrum and on the south side of Arapaho in the area that was left out during Phase 1. This work will be completed in mid-August.

Phase 4 will include completing the pavement and the median On Arapaho Road at the tollway, as well as modifications to the traffic control islands on the bridge over the tollway, and closing the tollway south to north U-turn lane. This work is scheduled from mid-August until mid-October, which will bring the project to completion.

This schedule appears to be conservative. On the other hand, sequencing construction to keep traffic flowing, and providing and maintaining access to properties like Colonnade, Nations Bank and CarrAmerica during construction all tend to slow down the contractor. We will continue to work with the contractor to keep him on schedule, and improve the schedule wherever possible.

Cc: John Baumgartner, Director of Public Works

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Bill Milsap

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

Company: MESA

FAX #: 214-871-1507

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

Date: 2-10-99

of pages (including cover): 2

Re: Arapaho Rd / TU Vault / Pedestrian Lights

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

Comments: Bill - what do you think about
shifting/eliminating one light as
shown. Would allow handicap room
@ vault. *Jeri*

DANCO AIAI'AIU
PARTNERSHIP

OF WORK

ARAPAHO

AN LIGHTS BY T.U. ELECTRIC

LIMIT OF WORK

STATION POINT 61

HANDICAP RAMPS TYP. B
SEE CIVIL SHEET P-14

HANDICAP RAMPS TYP. B
SEE CIVIL SHEET P-14

R.O.N.

ROAD

Move to here

Move to here

Leave this as is
or eliminate

PROPOSED ENTRANCE INTO COLONADE
(NOT IN CONTRACT)

T.U. Vault

MEPC QUORUM PROPERTIES
(COLONADE)

1' WIDE CONCRETE EDGER

REFER TO LANDSCAPE
SHEET (PL-5)

HANDICAP RAMPS TYP. B
SEE CIVIL SHEET P-14

LIMIT OF WORK

MATCHLINE 'E'

YP. B
14

WRITTEN DIMENSIONS PREVAIL OVER
SCALED DIMENSIONS.

LEAVY CO. PARTNERSHIP

OF WORK

ARAPAHO

LIMIT OF WORK

ROAD

MEPC QUORUM PROPERTIES
(COLONADE)

TV Vault

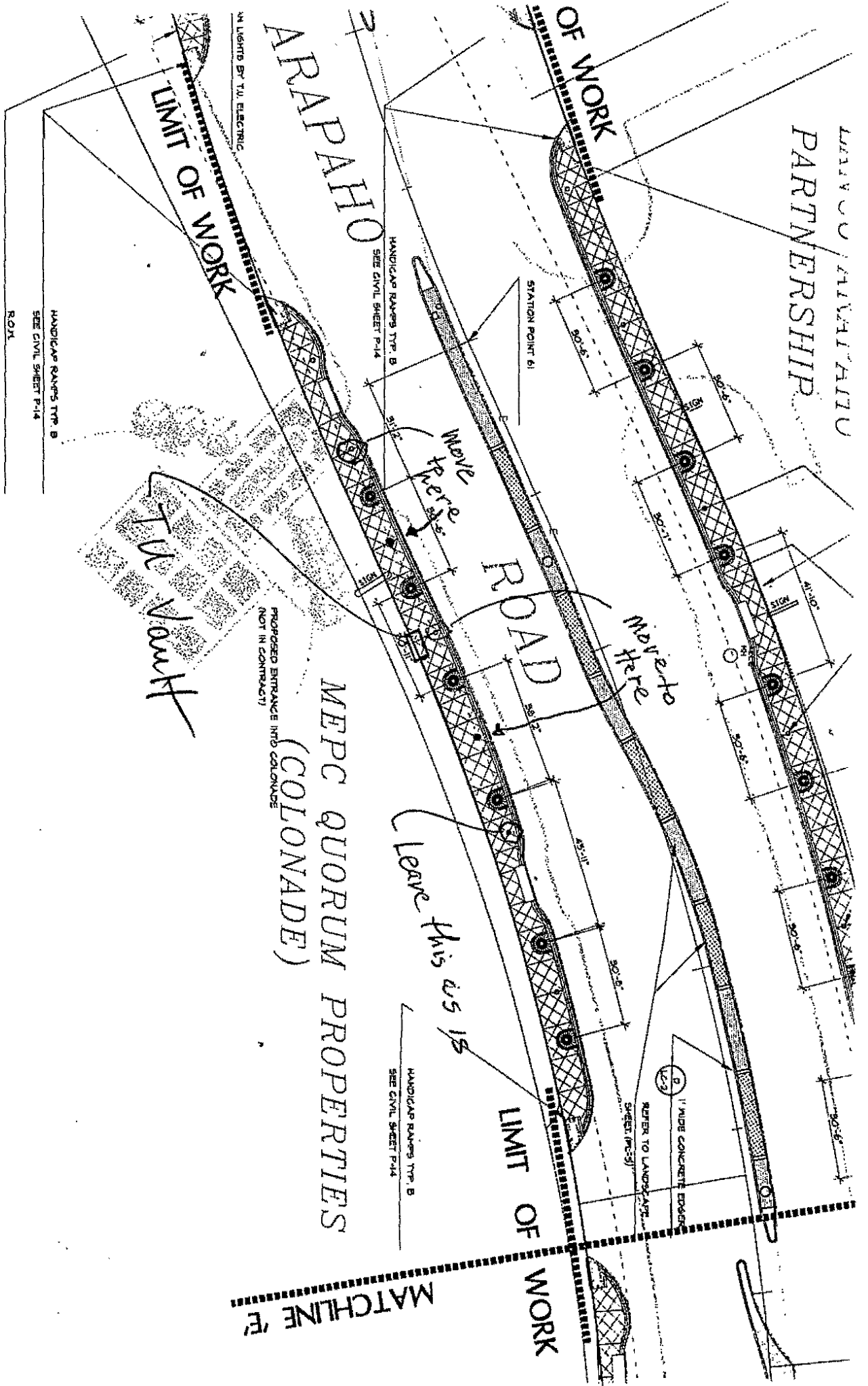
Leave this as is

Move to here

Move
to
here

LIMIT OF WORK

MATCHLINE 'E'



ALL LIGHTS BY T.V. ELECTRIC

HANDICAP RAMP'S TYP. B
SEE CIVIL SHEET P-14

HANDICAP RAMP'S TYP. B
SEE CIVIL SHEET P-14

ROAD

HANDICAP RAMP'S TYP. B
SEE CIVIL SHEET P-14

REFER TO LANDSCAPE
SHEET (P-3)

1\"/>

P B

WRITTEN DIMENSIONS PREVAIL OVER
SCALED DIMENSIONS.

Arapaho Rd

2-9-99

Meeting in field: Johnny, Mels Electric, Bell Milsep, Cliff Goff, Pat, JEP & Dave. Mels Sandblaster was there.

The cast-in place bollard was sandblasted on the raw side & the rubbed side. End result, Bell Milsep declared the precast unit not acceptable. JEP agreed. Plans show Precast and shop drawings are reqd. Bill will give precast vendors names to Pat. Bill thinks precast quality will be better. Bill will clarify their drawings to suit the fixture & to suit the bollard foundations already poured.

I think there is a confusion of terms between JEP & Johnny. Johnny said he was going to precast the bollards and JEP said OK. However, the bollard ended up being cast-in-place, not precast (like in a shop). We will now require precast bollards in the true sense of the word. Bill said the Bega light base should be recessed into the bollard, so the lens is flush with the bollard.

Jep, Pat, Bill, Cliff & Dave looked @ the 7A Vault @ Colonnade. The Vault is 3'-7" into the sidewalk and about 7" above sidewalk grade. As-built's show the vault entirely on Colonnade property (As built's are wrong). I believe the vault was installed in the wrong place. Easiest solution would be to lower the top of the vault by cutting off about ~~4~~ 7" off the top and adjusting the ~~rest~~ vault to sidewalk grade.

Jep & Dave looked @ SW Bell Manhole lid that is in the sidewalk along quorum. Lid needs to be raised up to sidewalk grade.

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Tim Beidelman

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

Company: SW Bell

FAX #: 972-234-7062

Date: 2-8-99

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

of pages (including cover): 4

Re: Arapaho Road - Telephone Service

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

Comments: This is to request telephone service
to our signal controllers at:

Addison & Arapaho Road

Arapaho & Edwin Lewis Drive

Arapaho & Quorum Drive

Attached is a plan view of each intersection
showing the controller location.

Please advise if you need additional
information

Jim

cc Pat Rivere

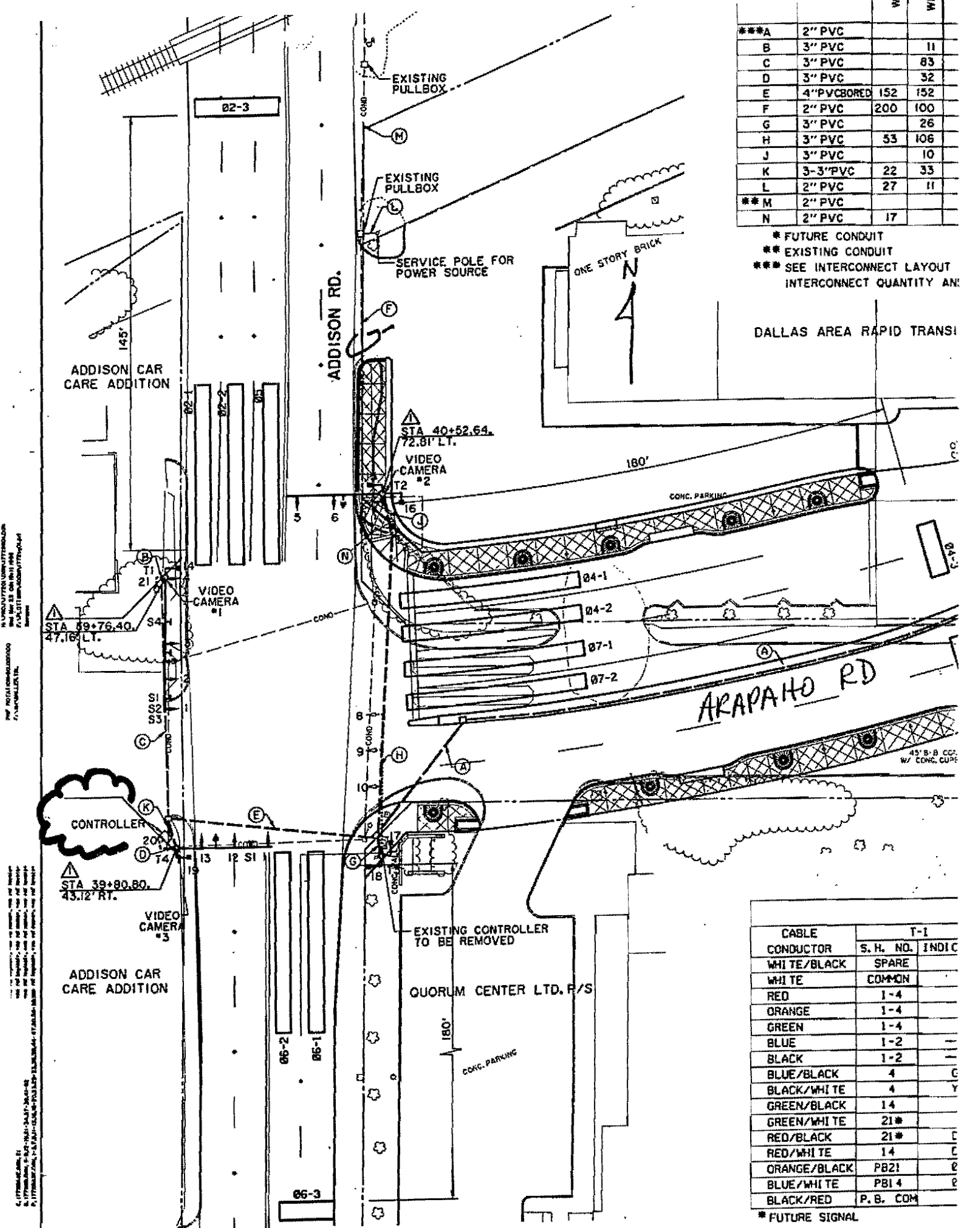
Dave Wilde

Chas. Mitchel

		W	WI
***A	2" PVC		
B	3" PVC		11
C	3" PVC		83
D	3" PVC		32
E	4" PVCBORED	152	152
F	2" PVC	200	100
G	3" PVC		26
H	3" PVC	53	106
J	3" PVC		10
K	3-3" PVC	22	33
L	2" PVC	27	11
**M	2" PVC		
N	2" PVC	17	

* FUTURE CONDUIT
 ** EXISTING CONDUIT
 *** SEE INTERCONNECT LAYOUT INTERCONNECT QUANTITY AND

DALLAS AREA RAPID TRANSIT



CABLE CONDUCTOR	T-1	
	S. H. NO.	INDIC
WHITE/BLACK	SPARE	
WHITE	COMMON	
RED	1-4	
ORANGE	1-4	
GREEN	1-4	
BLUE	1-2	
BLACK	1-2	
BLUE/BLACK	4	G
BLACK/WHITE	4	Y
GREEN/BLACK	14	
GREEN/WHITE	21*	
RED/BLACK	21*	C
RED/WHITE	14	C
ORANGE/BLACK	PB21	C
BLUE/WHITE	PB14	R
BLACK/RED	P. B. COM	

* FUTURE SIGNAL

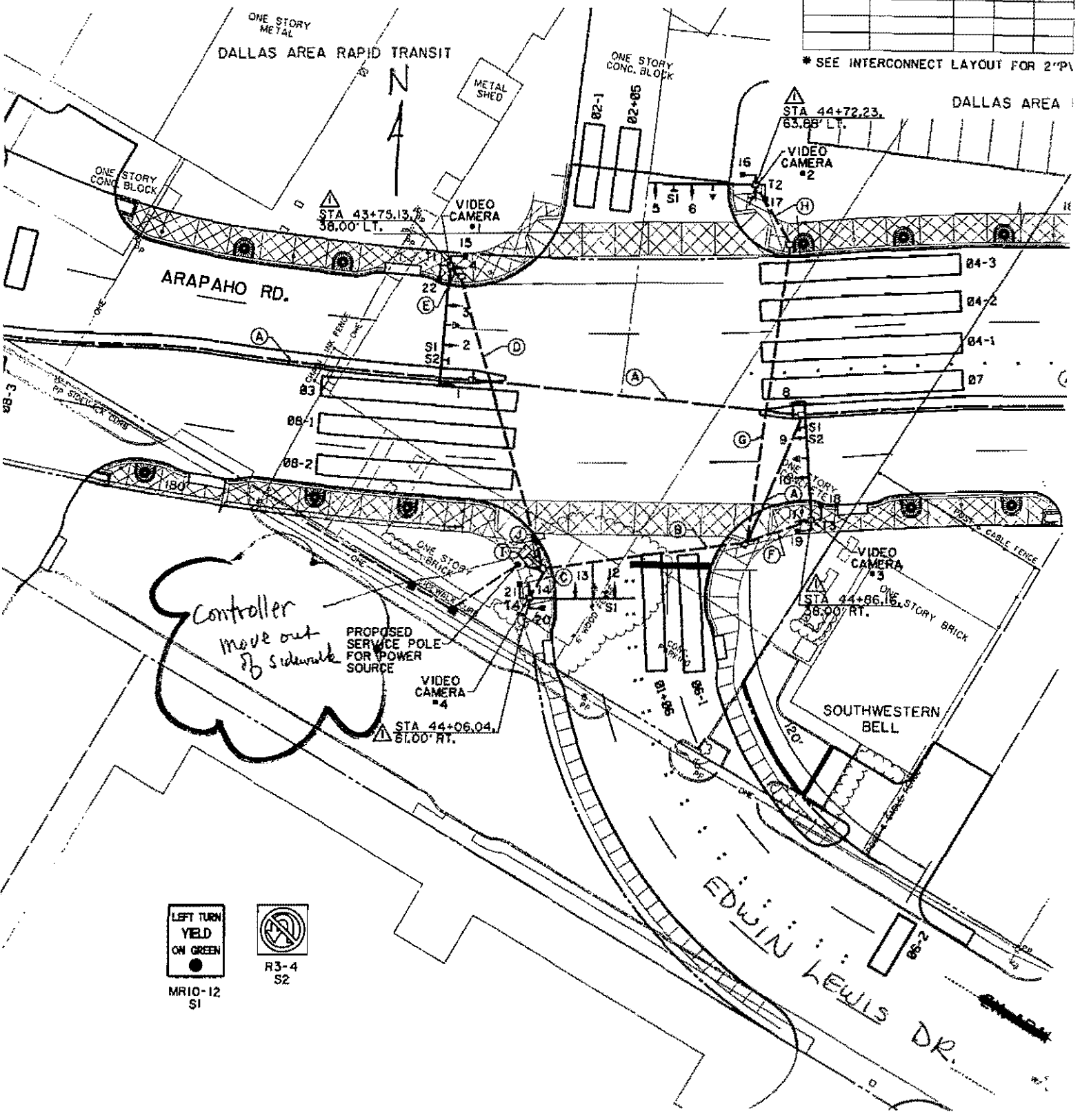
ALL DIMENSIONS UNLESS OTHERWISE NOTED
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE
 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, TEXAS EDITION
 2005, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS
 FOR METAL STRUCTURES, TEXAS EDITION 2005.

ALL DIMENSIONS UNLESS OTHERWISE NOTED
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE
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 2005, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS
 FOR METAL STRUCTURES, TEXAS EDITION 2005.

RED	1-4	Y	5-7	Y	8-11	Y	12-14	
GREEN	1-4	G	5-7	G	8-11	G	12-14	G
BLUE	1	-G	5	-G	8	-G	12	-G
BLACK	1	-Y	5	-Y	8	-Y	12	-Y
BLUE/BLACK	4	G-	7	G-	11	G-	14	G-
BLACK/WHITE	4	Y-	7	Y-	11	Y-	14	Y-
GREEN/BLACK	22	W	16	W	18	W	20	W
GREEN/WHITE	15	W	17	W	19	W	21	W
RED/BLACK	22	DW	16	DW	18	DW	20	DW
RED/WHITE	15	DW	17	DW	19	DW	21	DW
ORANGE/BLACK	P822	Ø2	P816	4	P818	Ø6	P820	Ø8
BLUE/WHITE	P815	Ø4	P817	Ø6	P819	Ø8	P821	Ø2
BLACK/RED	P. B. COM		P. B. COM		P. B. COM		P. B. COM	

		2 CNDR. WIRE	#6 WIRE	COAX	
*A	2" PVC				
B	4" PVC		68	136	
C	3" PVC		30	15	
D	3" PVC		98	98	
E	3" PVC		10	10	
F	3" PVC		52	26	
G	3" PVC		96	96	
H	3" PVC		30	30	
I	2" PVC		20	20	
J	2-3" PVC		14	42	56

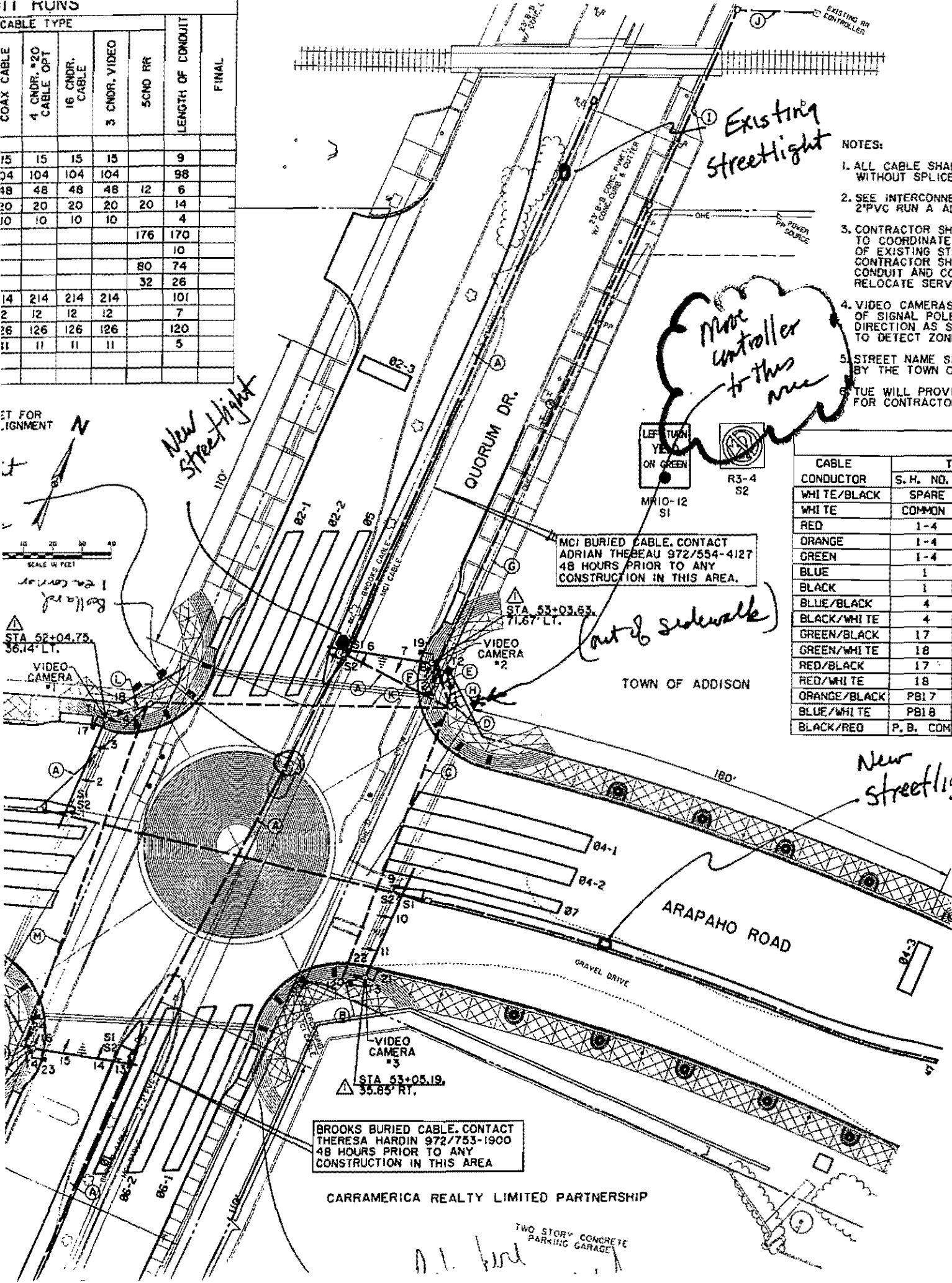
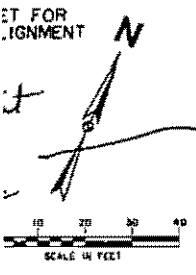
* SEE INTERCONNECT LAYOUT FOR 2" PVC



LEFT TURN
YIELD
ON GREEN
MR10-12
S1

R3-4
S2

CABLE TYPE					LENGTH OF CONDUIT	FINAL
COAX CABLE	4 CNDR. #20 CABLE OPT	16 CNDR. CABLE	3 CNDR. VIDEO	5CND RR		
15	15	15	15		9	
24	104	104	104		98	
48	48	48	48	12	6	
20	20	20	20	20	14	
10	10	10	10		4	
				176	170	
					10	
				80	74	
				32	26	
14	214	214	214		101	
2	12	12	12		7	
26	126	126	126		120	
11	11	11	11		5	



Existing Streetlight

New Streetlight

Move Controller to this area

- NOTES:
1. ALL CABLE SHALL BE WITHOUT SPLICES
 2. SEE INTERCONNECT 2" PVC RUN A ALL
 3. CONTRACTOR SHALL TO COORDINATE OF EXISTING STREET LIGHTS CONTRACTOR SHALL RELOCATE SERVICE
 4. VIDEO CAMERAS OF SIGNAL POLE DIRECTION AS SIGN TO DETECT ZONE
 5. STREET NAME SIGN BY THE TOWN OF
 6. TOWN WILL PROVIDE FOR CONTRACTOR

CABLE CONDUCTOR	S. H. NO.
WHITE/BLACK	SPARE
WHITE	COMMON
RED	1-4
ORANGE	1-4
GREEN	1-4
BLUE	1
BLACK	1
BLUE/BLACK	4
BLACK/WHITE	4
GREEN/BLACK	17
GREEN/WHITE	18
RED/BLACK	17
RED/WHITE	18
ORANGE/BLACK	PBI 8
BLUE/WHITE	PBI 8
BLACK/RED	P. B. COM

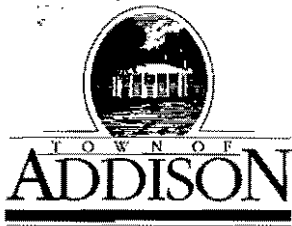
MCI BURIED CABLE. CONTACT ADRIAN THEBEAU 972/554-4127 48 HOURS PRIOR TO ANY CONSTRUCTION IN THIS AREA.

BROOKS BURIED CABLE. CONTACT THERESA HARDIN 972/753-1900 48 HOURS PRIOR TO ANY CONSTRUCTION IN THIS AREA

CARRAMERICA REALTY LIMITED PARTNERSHIP

TWO STORY CONCRETE PARKING GARAGE

A.I. Ward



LETTER OF TRANSMITTAL

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

DATE	2-8-99	JOB NO.	
ATTENTION			
RE:	Arapaho Rd		

TO Pat Rivera
Ed Bell Const.

GENTLEMAN:

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

COPIES	DATE	NO.	DESCRIPTION
1			Land Description & Exhibit for Parcel 1E

THESE ARE TRANSMITTED as checked below:

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

REMARKS This is our easement for the additional
landscaping @ the N.E. corner of
Addison & Arapaho.

COPY TO Dave Wilde

SIGNED: Jim Rivera

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

**LAND DESCRIPTION
LANDSCAPE & UTILITY EASEMENT**

**PARCEL NO. 1E
ARAPAHO ROAD
PAGE 1 OF 3
JULY 16, 1998**

BEING 0.0422 of an acre of land situated in the G.W. Fisher Survey, Abstract No. 482, Town of Addison, Dallas County, Texas and being a portion of the 63,247 square foot tract of land described in special warranty deed as recorded in Volume 97109, Page 03158 of the Deed Records of Dallas County, Texas, and a portion of the 96,838 square foot tract of land described in replacement warranty deed from ABP Investment #III, Ltd. to Joseph H. Jones, Beth Brandeberry, Carolyn Perkins Shimer Merritt and Samuel Thomas Perkins, Co-trustees of The Mary Coffield Trust, The Annette Coffield Trust, The Evelyn C. Jones Trust, The Beth Brandeberry Trust and the Corinne Shimer Trust and A. Ben Pinnell, Jr. as recorded in Volume 97155, Page 03042 of the Deed Records of Dallas County, Texas, being more particularly described as follows:

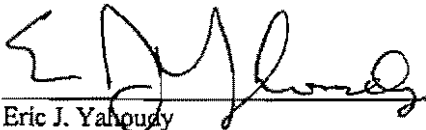
- (1) COMMENCING at a 5/8 inch iron rod found at the southeast corner of said 96,838 square foot tract, same being the southwest corner of a tract of land described in instrument to Southwestern Bell Telephone Company as recorded in Volume 86207, Page 3192 of the Deed Records, Dallas County, Texas, said point also being on the north right-of-way line of Arapaho Road;
- (2) THENCE North 89 degrees 35 minutes 00 seconds West along the said southerly line of said 96,838 square foot tract and northerly right-of-way line of Arapaho Road a distance of 430.16 feet to a cut cross found in concrete for the most southwesterly corner of said 96,838 square foot tract;
- (3) THENCE North 44 degrees 31 minutes 05 seconds West along the southwesterly line of said 96,838 square foot tract and northeasterly right-of-way line of Arapaho Road a distance of 21.18 feet to a cut cross found in concrete for a corner on the westerly line of said 96,838 square foot tract and east right-of-way line of Addison Road (60 foot wide right-of-way) as described in instrument to the City of Addison as recorded in Volume 334, Page 0106 of the Deed Records of Dallas County, Texas;
- (4) THENCE North 00 degrees 17 minutes 50 seconds East along the westerly line of said 96,838 square foot tract and easterly right-of-way line of Addison Road a distance of 27.66 feet to a cut cross found in concrete for the POINT OF BEGINNING of this tract, same being the most westerly southwest corner of said 63,247 square foot tract;
- (5) THENCE continuing North 00 degrees 17 minutes 50 seconds East along the westerly line of said 96,838 square foot tract and easterly right-of-way line of Addison Road a distance of 6.02 feet to a point for a corner;
- (6) THENCE North 90 degrees 00 minutes 00 seconds East departing the westerly line of said 96,838 square foot tract and easterly right-of-way line of Addison Road a distance of 19.76 feet to a point for a corner;
- (7) THENCE South 00 degrees 18 minutes 07 seconds West a distance of 4.14 feet to the point of curvature of a curve to the left, having a central angle of 95 degrees 05 minutes 26 seconds, a radius of 8.00 feet, and being subtended by a 11.81 foot chord bearing South 47 degrees 14 minutes 36 seconds East;
- (8) THENCE southeasterly along said curve to the left an arc distance of 13.28 feet to a point for a compound curve to the left, having a central angle of 06 degrees 33 minutes 47 seconds, a radius of 755.99 feet, and being subtended by a 86.55 foot chord bearing North 81 degrees 55 minutes 47 seconds East;
- (9) THENCE northeasterly along said curve to the left an arc distance of 86.60 feet to a point for a corner at the end of said curve;
- (10) THENCE North 90 degrees 00 minutes 00 seconds East a distance of 52.22 feet to the point of curvature of a curve to the right, having a central angle of 53 degrees 30 minutes 55 seconds, a radius of 5.43 feet and being subtended by a 4.89 foot chord bearing South 63 degrees 14 minutes 32 seconds East;

**LAND DESCRIPTION
LANDSCAPE & UTILITY EASEMENT**

**PARCEL NO. 1E
ARAPAHO ROAD
PAGE 2 OF 3
JULY 16, 1998**

- (11) THENCE southeasterly along said curve to the right an arc distance of 5.07 feet to a point for a corner on the southerly line of said 63,247 square foot tract, said point being the beginning of a non-tangent curve to the left, having a central angle of 07 degrees 50 minutes 36 seconds, a radius of 260.00 feet and being subtended by a 35.57 foot chord bearing South 81 degrees 06 minutes 50 seconds West;
- (12) THENCE westerly along said curve to the left and southerly line of said 63,247 square foot tract an arc distance of 35.59 feet to a cut cross found in concrete for the point of reverse curvature of a curve to the right, having a central angle of 08 degrees 44 minutes 10 seconds, a radius of 768.00 feet and being subtended by a 116.99 foot chord bearing South 81 degrees 33 minutes 37 seconds West;
- (13) THENCE westerly along said curve to the right and southerly line of said 63,247 square foot tract an arc distance of 117.10 feet to a cut cross found in concrete for a corner;
- (14) THENCE North 46 degrees 30 minutes 48 seconds West along the southerly line of said 63,247 square foot tract a distance of 27.38 feet to the POINT OF BEGINNING, CONTAINING 1,837 square feet or 0.0422 of an acre of land, more or less.

For Huitt-Zollars, Inc.



7-17-98

Eric J. Yahoudy
Registered Professional Land Surveyor
Texas Registration No. 4862
Huitt-Zollars, Inc.
3131 McKinney Avenue
Suite 600
Dallas, Texas 75204
Phone: (214) 871-3311
Date: July 16, 1998

IE A. BEN PINNELL, ET AL

DALLAS AREA RAPID TRANSIT
VOL. 96099 PG. 05197

TOWN OF
ADDISON
TEXAS
VOL. 98099
PG. 00027

SOUTHWESTERN BELL
TELEPHONE COMPANY
VOL. 86207 PG. 3192

POINT OF COMMENCING
5/8" I.R.F.

ABP INVESTMENT #11, LTD.
TO
A. BEN PINNELL, ET AL
VOL. 97153 PG. 03042
(96,838 SQ. FT.)

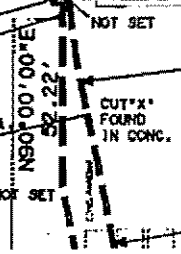
ABP INVESTMENT #111, LTD.
TO
A. BEN PINNELL, ET AL
VOL. 97109 PG. 03158
(63,247 SQ. FT.)

A= 53°30'55"
R= 5.43'
L= 5.07'
CB= S63°14'32"E
C= 4.89'

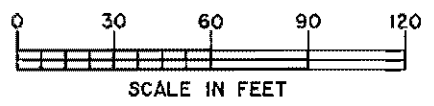
CL STA. 42+30.2A
48.40' LT. NOT SET

CL STA. 41+90.5A
52.60' LT. NOT SET

A= 6°33'47"
R= 755.99'



HO ROAD (EXISTING)



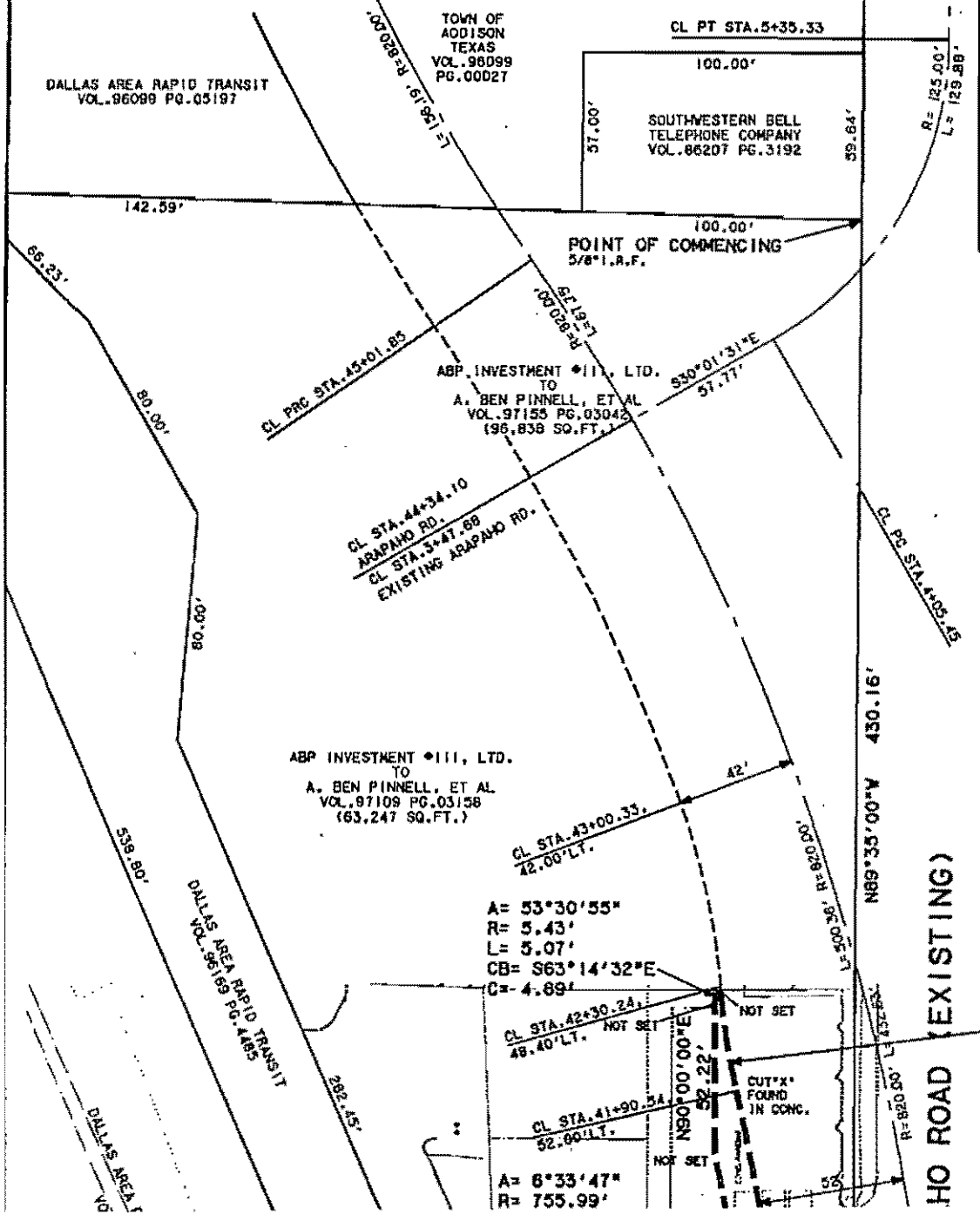
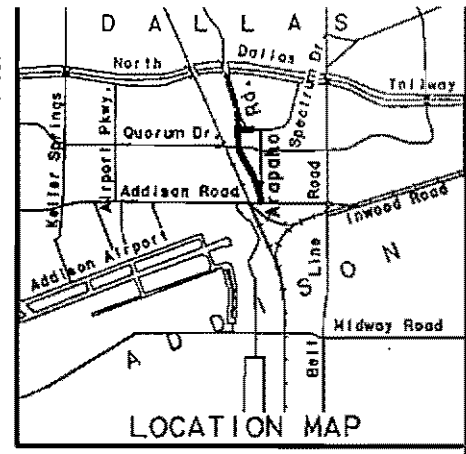
INTERNATIONAL GUARANTY CORP.
VOL. 92001 PG. 0617

QUORUM CENTRE ADDITION
VOL. 84067 PG. 5718

A= 7°50'36"
R= 260.00'
L= 35.59'
CB= S81°06'50"W
C= 35.57'

QUORUM CENTER LTD. P/S
VOL. 92038 PG. 0247

A= 8°44'10"



Jim Pierce

From: Ron Lee
Sent: Thursday, February 04, 1999 8:28 AM
To: Jim Pierce
Subject: Arapaho Rd. Project

I talked to Iritech yesterday and Seth, the person going to do the design, said that he hasn't even started yet. He was going to talk to the field installer today to get a feel for what needs to be done. I told him that I would make an office visit if needed. He asked me if we had a Cad drawing of the areas; I told him 'no'. If you want to contact them, their number is (972) 231-5151.

Ron Lee

Jim Pierce

From: Jim Pierce
Sent: Wednesday, February 03, 1999 5:04 PM
To: Ron Lee
Cc: Slade Strickland
Subject: RE: Arapaho Rd Additional Landscaped Areas

Pat Rivera told me today he has not seen anything. I thought you asked Irritech to give you a price, and then they said something to Pat about it – that's how Pat learned of it. My impression was that Irritech was going to come back to you. Jim.

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

From: Ron Lee
Sent: Wednesday, February 03, 1999 2:42 PM
To: Jim Pierce
Subject: RE: Arapaho Rd Additional Landscaped Areas

Have not seen anything. How are they being handled. Were they sent directly to Irritech by us or did they go through the contractor. I will call Irritech now and see where they are on them. I know that the entire design force of Irritech went skiing over the weekend and was not due back until Monday.

Ron Lee

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

From: Jim Pierce
Sent: Wednesday, February 03, 1999 1:54 PM
To: Ron Lee
Cc: Slade Strickland
Subject: Arapaho Rd Additional Landscaped Areas

Have you received the design on the above? We need to see if we have the items in our contract to accomplish the work. Jim.

Arapaho Rd Const Meeting

2-4-99

Sign In Sheet

<u>Name</u>	<u>Company</u>	<u>Phone</u>
Jim Pierce	Addison	972-450-2879
James P Rivera	EBell	214-507-4916
Robert D. Weber	EBCC	(44) 358-6581

Arapaho Rd Const Meeting

2-4-99

- ✓ 1. 3W Bell trench @ Carr America -
One portion still not backfilled -
pavement undermined SWBell
notified in writing.

- ✓ 2. Signal Poles - Address in Arapaho
Pole locations can now be set on west
side.

- ✓ 3. TU Electric -
Vault in sidewalk needs to be moved

Pole @ SE. on Arap & Quorum needs
to be moved. Then power lines
need to be moved.
Bobby & Joel Porter both E-mailed
on 2-3-99

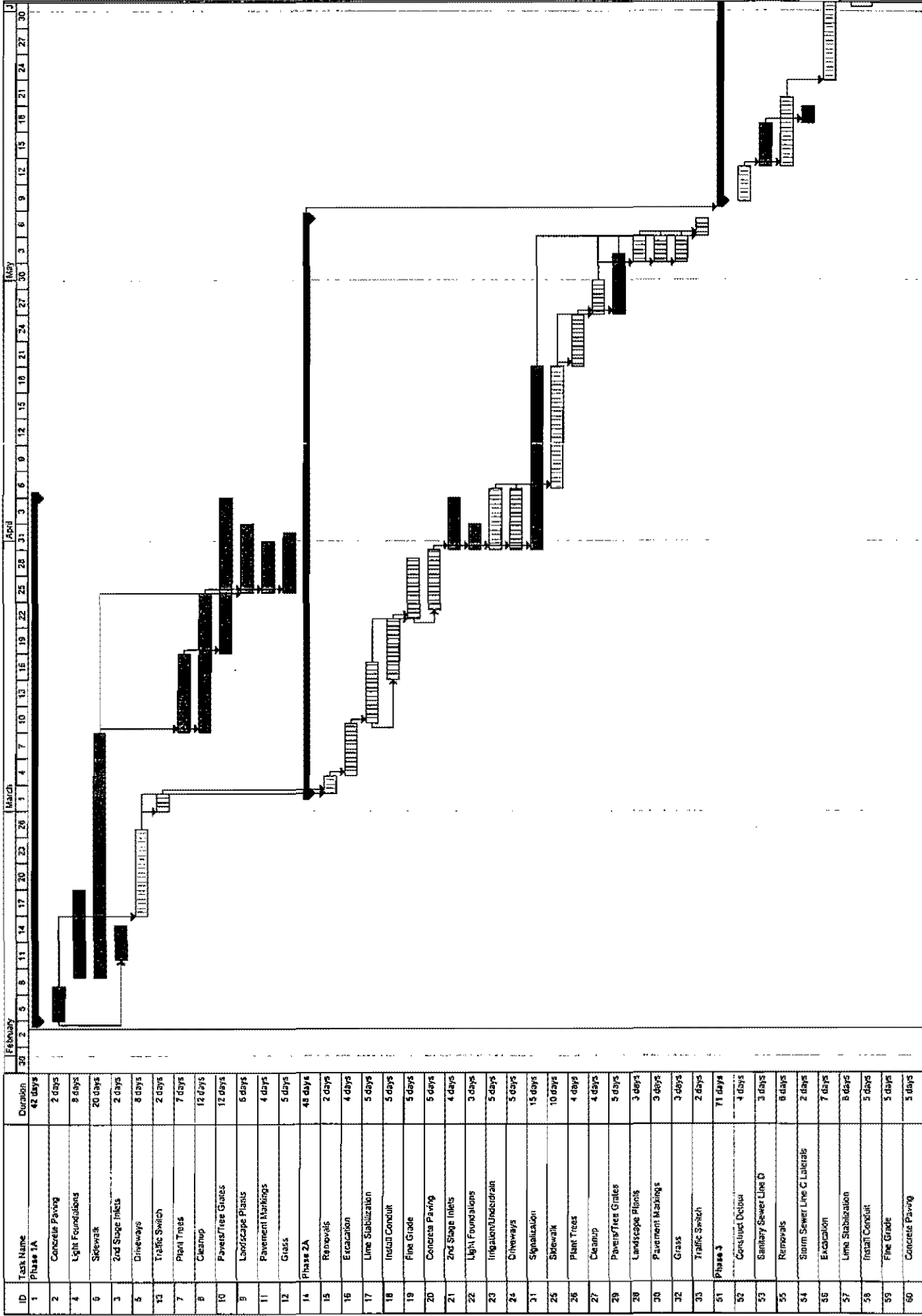
- ✓ 4. Strength Testing - need to get
done now.
- Rob will set up -
Next week

- ✓ 5. MCI Bore across Spectrum -
Status - Complete -
Depth? Dave will get a profile
- ✓ 6. SWPPP Status - in progress
Needs -
- ✓ 7. Traffic Switch Status -
- ✓ 8. Schedule Update -
- ✓ 9. Potholes & Barreils -
- ✓ 10. Additional Landscaped Areas -
Need 24 Station Controller - Lettner Road

- ✓ 11. Need ~~cap~~ caps on signal pole @ Perry's store
- ✓ 12. Need Fire hydrant moved on Quorum
Need price
- ✓ 13. Light Base foundations location moved to original location in 24" Φ by 36" deep foundation.
- ✓ 14. We need a bollard fixture to be delivered to jobsite to see fit up with mock-up
will come on Friday -
will use 3/8" fiber board around the base
- ✓ 15. Comments on revised curb location
Stake out needed - when?
Get per Metes & Bounds -
16. Sidewalk Expansion joints - where in pavement, we need them on the Sidewalk -
★ \odot Get Clarification

16 A- DAt i Quorum access

17. Next meeting in 2 weeks -
Feb 18th 10AM



ID	Task Name	Duration
1	Phase 1A	42 days
2	Concrete Paving	2 days
4	Light Foundations	9 days
6	Slipway	20 days
3	2nd Stage Inlets	2 days
5	Driveways	8 days
13	Traffic Switch	2 days
7	Plant Trees	7 days
8	Cleanup	12 days
10	Pavers/Tree Gouges	12 days
9	Landscape Plans	5 days
11	Pavement Markings	4 days
12	Gates	5 days
14	Phase 2A	48 days
15	Renovals	2 days
16	Excavation	4 days
17	Line Stabilization	5 days
18	Install Conduit	5 days
19	Fine Grade	5 days
20	Concrete Paving	5 days
21	2nd Stage Inlets	4 days
22	Light Foundations	3 days
23	Irrigation/Underdrain	5 days
24	Driveways	5 days
31	Signalization	15 days
25	Sidewalk	10 days
26	Plant Trees	4 days
27	Cleanup	4 days
29	Pavers/Tree Gouges	5 days
28	Landscape Plans	3 days
30	Pavement Markings	3 days
32	Grass	3 days
33	Traffic Switch	2 days
51	Phase 3	71 days
52	Conduit Depou	4 days
53	Sanitary Sewer Line C	3 days
55	Renovals	9 days
54	Storm Sewer Line C Lateral	2 days
56	Excavation	7 days
57	Line Stabilization	8 days
58	Install Conduit	3 days
59	Fine Grade	5 days
60	Concrete Paving	5 days

Project: Anapho Road Reconstruction
 Date: Thu 2/2/99

Task
 Critical Task

Progress
 Milestone

Summary
 Rolled Up Task












Rolled Up Critical Task
 Milestone

Rolled Up Progress
 Spot

External Tasks
 Project Summary

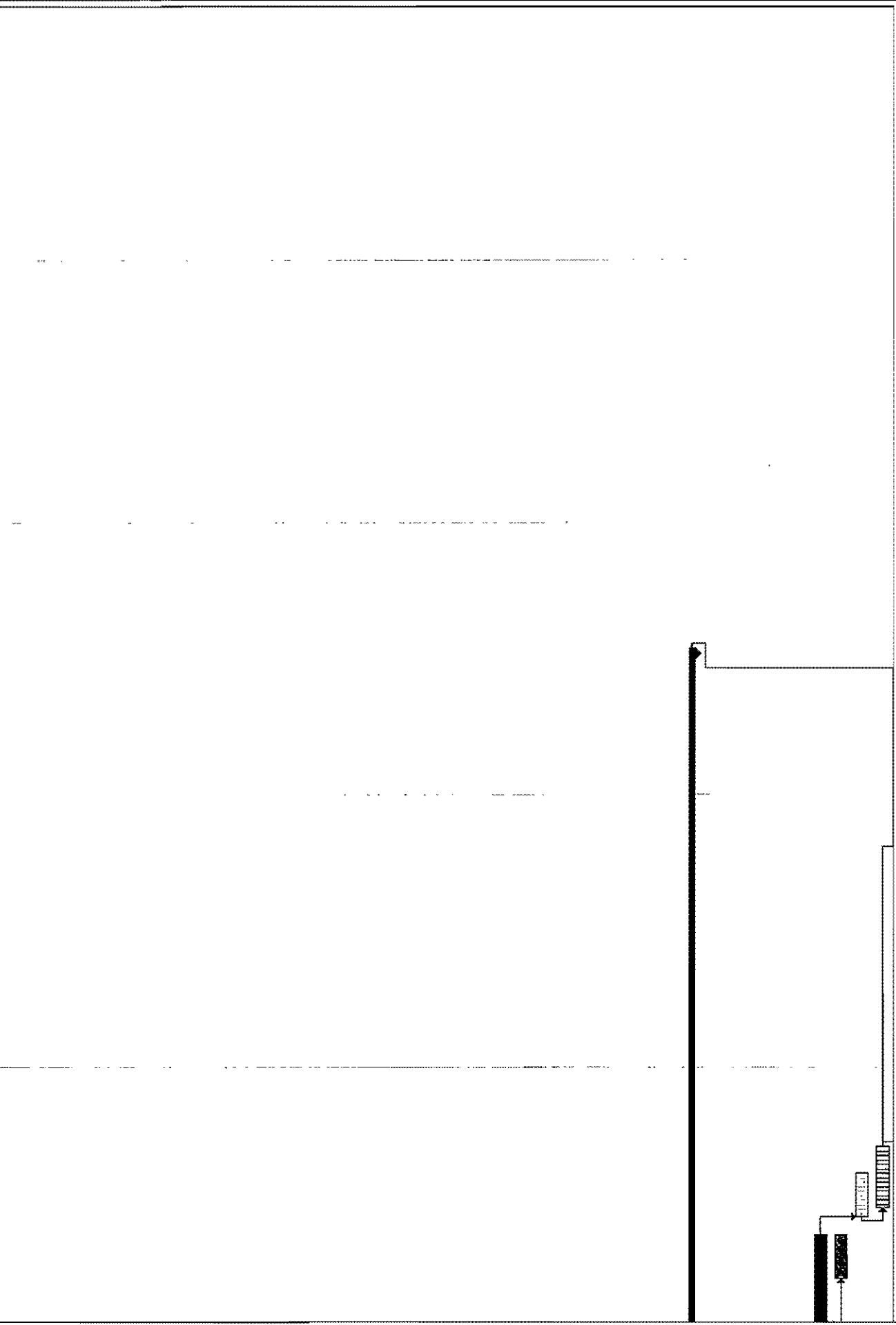
Page 1

ID	Task Name	Duration	February				March				April				May																									
			30	2	5	8	11	14	17	20	23	26	1	4	7	10	13	16	18	22	25	28	31	3	6	9	12	15	18	21	24	27	30	3						
61	2nd Stage Inlets	4 days																																						
62	Light Foundations	4 days																																						
63	Ingalapond Underdrain	5 days																																						
64	Driveways	3 days																																						
71	Signalization	10 days																																						
65	Sidewalk	10 days																																						
66	Plant Trees	11 days																																						
67	Cleanup	10 days																																						
69	Pavers/Tree Grates	15 days																																						
68	Landscaping Plants	3 days																																						
70	Pavement Markings	4 days																																						
72	Grass	5 days																																						
73	Traffic Switch	1 day																																						
34	Phase 4	42 days																																						
35	Storm Sewer Line C-2	4 days																																						
36	Storm Sewer Line C-3	4 days																																						
37	Removals	3 days																																						
38	Excavation	5 days																																						
39	Line Stabilization	7 days																																						
40	Install Conduit	2 days																																						
41	Final Grade	7 days																																						
42	Concrete Paving	7 days																																						
43	2nd Stage Inlets	3 days																																						
44	Light Foundations	3 days																																						
45	Irrigation Underdrain	3 days																																						
46	Driveways	2 days																																						
47	Sidewalk	4 days																																						
48	Cleanup	4 days																																						
48	Pavement Markings	8 days																																						
50	Traffic Switch	1 day																																						
74	Final Cleanup/Punch List	10 days																																						

Task  Progress  Milestone  Summary  Rolled Up Task  Rolled Up Milestone  Rolled Up Critical Task  Rolled Up Progress  Spill  External Tasks  Project Summary 

Project: Arapaho Road Reconstruction
 Date: Thu 2/4/98

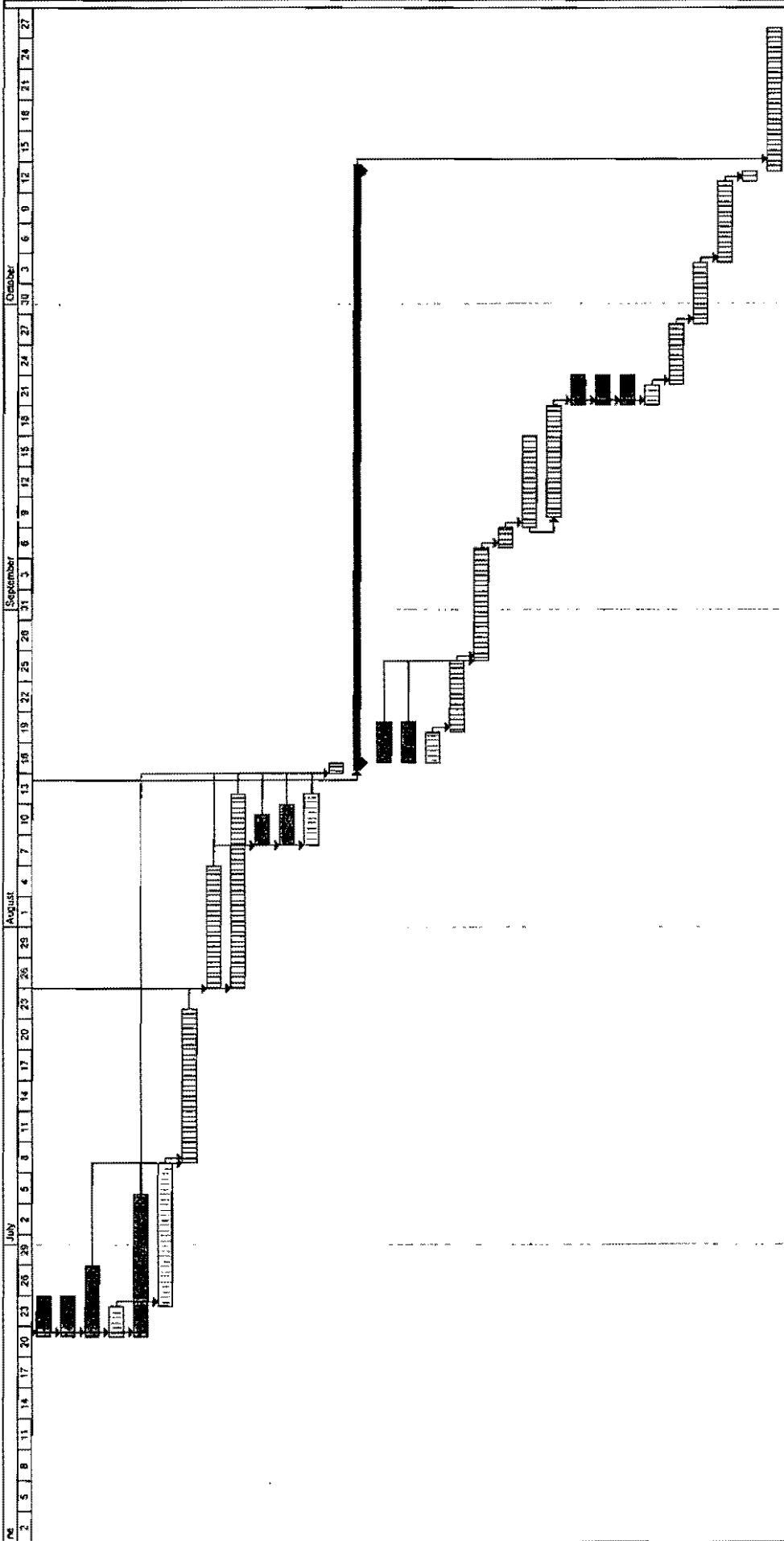
2 5 8 11 14 17 20 23 26 29
 July
 2 5 8 11 14 17 20 23 26 29
 August
 1 4 7 10 13 16 19 22 25 28
 September
 1 3 6 9 12 15 18 21 24 27
 October
 30 31
 27



Project: Atapaho Road Reconstruction
 Date: Thu 2/6/95

Task Progress Summary Rolled Up Critical Task Rolled Up Progress External Tasks
Critical Task Milestone Rolled Up Task Milestone Spk Project Summary

Legend symbols:
 - Task: Solid black bar
 - Milestone: Diamond shape
 - Summary: Horizontal line
 - Milestone: Diamond with vertical lines
 - Rolled Up Critical Task: Horizontal line with diagonal hatching
 - Rolled Up Progress: Horizontal line with diagonal hatching
 - External Tasks: Horizontal line with diagonal hatching
 - Critical Task: Solid black bar with a vertical line through it
 - Milestone: Diamond with a vertical line through it
 - Rolled Up Task: Horizontal line with diagonal hatching
 - Spk: Horizontal line with diagonal hatching



Project: Anapaho Road Reconstruction
 Date: Thu 2/4/99

Legend:

- Task: Solid black bar
- Critical Task: Hatched bar
- Progress: Solid black bar with arrow
- Milestone: Diamond
- Summary: Solid black bar with arrow
- Rollup Task: Solid black bar with arrow
- External Task: Solid black bar with arrow
- Project Summary: Solid black bar with arrow
- Rollup Critical Task: Hatched bar with arrow
- Rollup Milestone: Diamond
- Rollup Progress: Solid black bar with arrow
- Split: Diamond

Page 4

Transportation Continues to Move Forward in Addison

Improvements to Arapaho Road, the opening of the new DART Transit Center and the completion of the Airport Toll Tunnel are just a few of the projects that are helping Addison keep pace with the rest of North Dallas. Portions of the extension of Arapaho Road from the Tollway to Addison Road will be complete by June in time for the opening of the DART Transit Center, helping Addison take a giant leap forward in its efforts to keep traffic flowing smoothly.

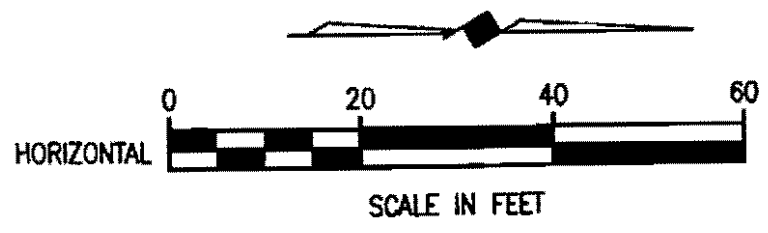
When finished the project will consist of a six lane divided road between the Toll Road and Quorum Drive, and a four lane divided road from Quorum Drive to Addison Road. The 90-degree turn at Spectrum will be eliminated and the final product will be a tree-lined road, with wide, well lighted sidewalks on both sides.

The Intersection of Quorum Drive with Arapaho Road ~~Even though it may look like it now, the Quorum intersection will not be a traffic circle. It will be a traditional intersection, controlled by traffic signals, with a special streetscape treatment at each corner as well as a circular design of concrete and pavestone. The intersection with the North Dallas Tollway Toll Road will be reconfigured to for improved traffic flow in both directions by maximizing the the number of lanes on the existing bridge. Future improvements call for the continuation of Arapaho Road west, all the way to Marsh Lane.~~

In addition to these improvements to Arapaho Road, plans to widen Addison Road to 5 lanes from Belt Line Road to Keller Springs Road are well underway. Engineering will be complete in April 1999, when right-of way acquisition and relocation of utilities will begin. The first phase of construction will be from Belt Line Road north to ~~Arapaho Road~~, or Addison Circle, depending on construction costs. Construction is expected to start in mid 2000.

For more information about any of these projects please call Jim Pierce, Assistant City Engineer at 972-450-2879.

Johns Mark-up
2-4-99



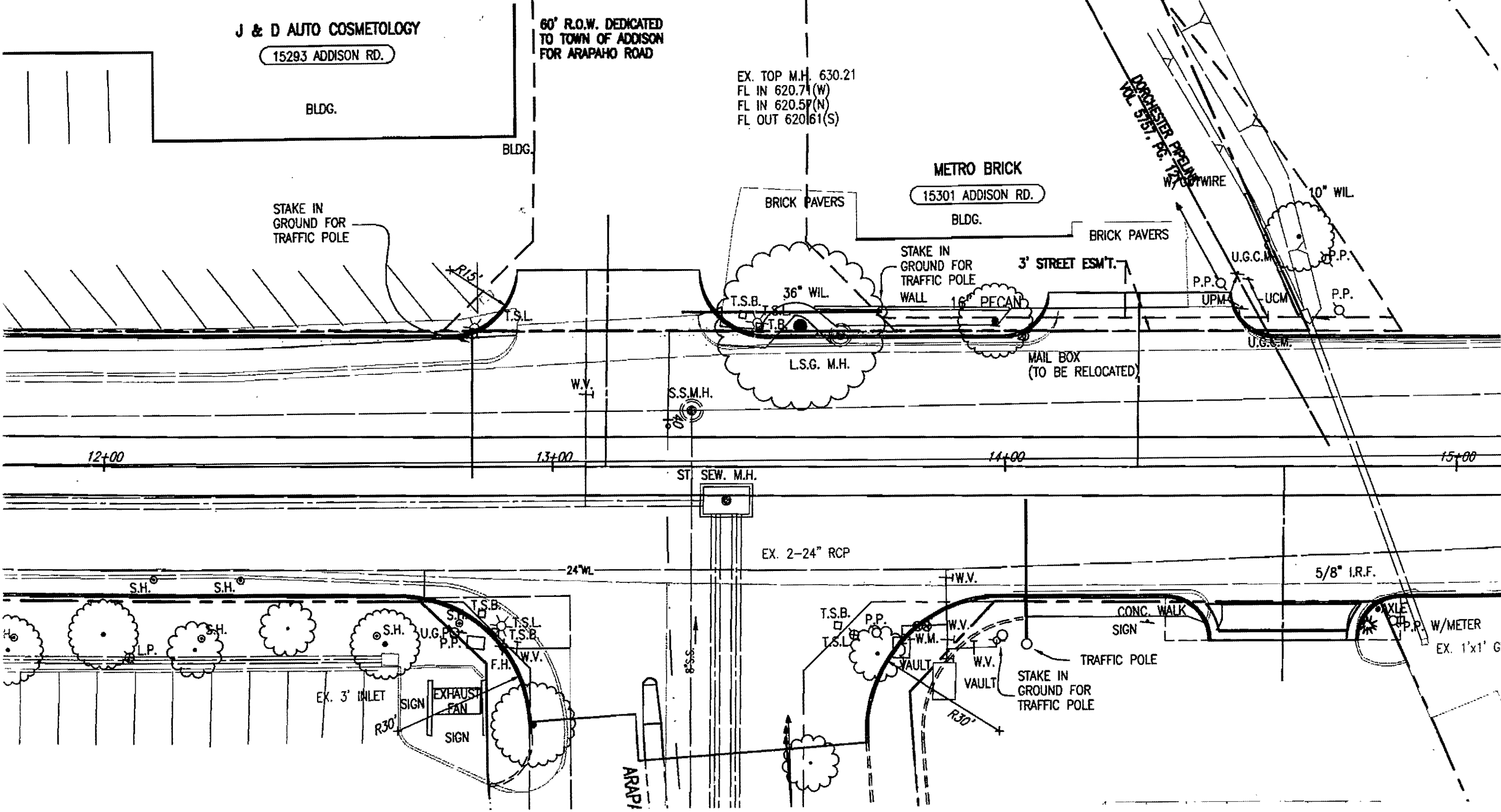
J & D AUTO COSMETOLOGY
15293 ADDISON RD.

60' R.O.W. DEDICATED TO TOWN OF ADDISON FOR ARAPAHO ROAD

EX. TOP M.H. 630.21
FL IN 620.71 (W)
FL IN 620.57 (N)
FL OUT 620.61 (S)

METRO BRICK
15301 ADDISON RD.

DORCHESTER PRELIM
VOL. 5187, PG. 172



12+00

13+00

14+00

15+00

ST. SEW. M.H.

EX. 2-24" RCP

24" WL

5/8" I.R.F.

EX. 3' INLET

SIGN
EXHAUST FAN
SIGN

CONG. WALK
SIGN

TRAFFIC POLE
STAKE IN GROUND FOR TRAFFIC POLE

AXLE
P.P.
W/METER
EX. 1'x1' G

ARAPAHO

Ken Roberts:

Where we have
Expansion joints
in pavement,
we need expansion
joints in
sidewalk

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Tim Beidelman

From: James C. Pierce, Jr., P.E., DEE

Company: SW Bell

Assistant City Engineer

Phone: 972/450-2879

FAX: 972/450-2837

FAX #: 972-234-7062

Date: 2-3-99

16801 Westgrove

P.O. Box 9010

Addison, TX 75001-9010

of pages (including cover): 1

Re: Arapaho Rd/Spectrum Drive/Carr America

Original in mail

Per your request

FYI

Call me

Comments: I inspected this site today
and there is a significant length
of trench that was never backfilled
as per our meeting 1-13-99. The
trench has a significant amount of
water in it and the walls have
caved, causing an undermining of the
roadway pavement.

Please take whatever steps are
necessary to at least get backfill in so
that further undermining is stopped.
This needs to be done immediately.

cc Dave Wilde

Robin Jones

Telcom from Robert Weber 2-3-99

Gen Bishop - Ready to install storm sewer
@ any time.

Pat - Traffic control switch - will allow
better access to the storm sewer court.

Put off storm sewer / preserve traffic
switch for now.

6" THICK 650 PSI FLEX REINF. CONC. PARKING LOT, #3 BARS ON 18" C-C BOTH WAYS

ONE STORY BRICK

THREE STORY BRICK

GROSS SLOPE TRANSITION 41+50
1/2" / 1' CROSS SLOPE NORTH SIDE ONLY

AREA TO BE LANDSCAPED (204 yd²)

NEW CURB LOCATION
(PROVIDE CURB CUTS TO ALLOW DRAINAGE TO FIELD)
(LOCATE IN FIELD)

PAV. STA. 41+31.48
54.00' LT.
6" STD. INLET
T.C. 629.20
T.C. 626.20

MATCH EX. T.C.

MATCH EX. T.C. 630.36

T.C. 629.92

MATCH EX. T.C.

5'R

C.R. T.C. 629.62

T.C. 628.89
T.C. 629.22

T.C. 629.60

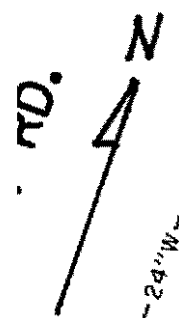
T.C. 629.05 250'R

42+22.59
40.83' LT.
C.R.

T.C. 629.87

T.C. 629.20

EXP. JOINT



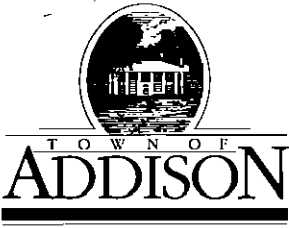
ER CURB

ND

AD-57.03
MEDIAN NOSE

55'0" P.T.
LANE

ASPHALT PARKING



LETTER OF TRANSMITTAL

Public Works / Engineering

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

DATE	2-1-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd Pedestrian Light Bases	

TO Pat Rivera
Ed Bell Const

GENTLEMAN:

WE ARE SENDING YOU

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

COPIES	DATE	NO.	DESCRIPTION
3			Pedestrian Light Base Drawing.

THESE ARE TRANSMITTED as checked below:

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

REMARKS For Arapaho Rd Only, Not for Quorum Drive.
Pedestrian Light bases to be located as originally
Shown on the plans - in line with the trees.
Disregard previous instructions regarding pedestrian light
base locations on Arapaho Rd.
in above

COPY TO Robert Weber
Dave Wilder
Slade Strickland

SIGNED: J. Freie

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

213 - 340

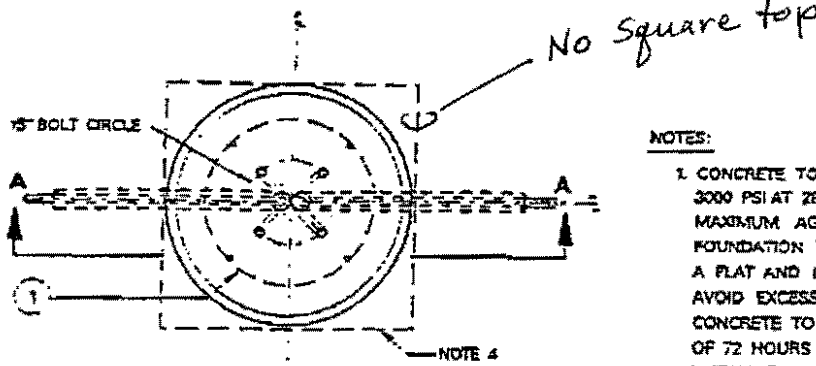
10 - 06

STREET LIGHT FOUNDATION
12' M.H. & 17' M.H. HISTORICAL /
DECORATIVE POLES

213 - 340

10 - 06

COPYRIGHT © 1999 TUELECTRIC CO. ALL RIGHTS RESERVED



NOTES:

1. CONCRETE TO BE MINIMUM 3000 PSI AT 28 DAYS. (5 SACK) MAXIMUM AGGREGATE 3/4". TOP OF FOUNDATION TO BE TROWELED TO A FLAT AND LEVEL SURFACE. AVOID EXCESSIVE TROWELING. CONCRETE TO SET A MINIMUM OF 72 HOURS BEFORE POLE INSTALLATION.

2. REBAR KNOOPS ARE TIED BEGINNING 3" BELOW TOP OF CONCRETE FORM AND ARE REPEATED AT APPROXIMATE 1 FT. INTERVALS TO BOTTOM OF FOUNDATION.

3. ANCHOR BOLTS TO BE SUPPLIED WITH POLE. USE TEMPLATE FURNISHED BY POLE MANUFACTURER FOR ALIGNING ANCHOR BOLTS.

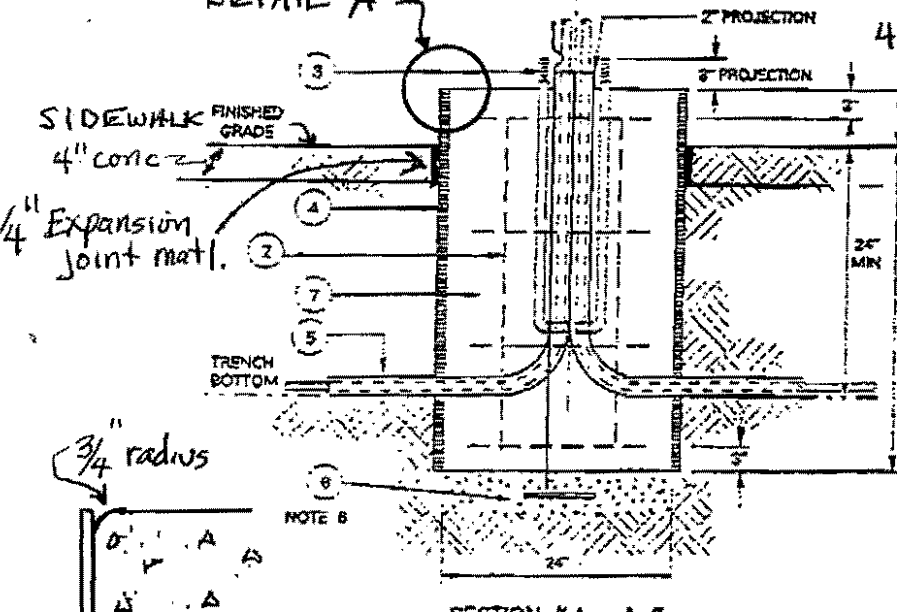
4. CONCRETE FORM OF SONOTUBE TO EXTEND TO BOTTOM OF TRENCH OR AS NEEDED. FORMS FOR SQUARE BASE (EG. TYPICAL POLE) FOUNDATION FOR SHOULD BE FABRICATED AS NECESSARY.

5. PROVIDE 24" PISTAL FOR CONNECTION OF GROUND WIRE TO POLE.

6. A MINIMUM OF 12" OF BARE #6 SD CU WIRE TO BE PLACED IN BOTTOM OF HOLE AND COVERED WITH 2" OF DIRT.

7. IF SOIL HAS BEEN DISTURBED, EXTEND FOUNDATION BY DEPTH OF DISTURBED SOIL.

DETAIL A



DETAIL A

ITEM	QTY	DESCRIPTION	TSN/REF	CU	MU
1	4	#3 REBAR, 3" IN. DIAMETER HOOP, 3 IN. OVERLAP	314470		
2	4	#5 REBAR, STRAIGHT, 36" IN. LONG	317821		
3	4	ANCHOR BOLT, GALV 3/4 IN. (SUPPLIED W/POLE TSN)	318578		
4	AS REQD	CONCRETE FOUNDATION TUBE, 24 IN. DIAMETER	313341	SLFT	
5	AS REQD	CONDUIT, PVC OR PEC (NOT IN FOUNDATION CU)			
6	2 LB	WIRE, #6 COPPER SOLID, GROUND, POLE BUTT COIL	310091		
7	AS REQD	CONCRETE			

APPROVED BY **TUELECTRIC**

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Richard Lowe

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

Company: Shimsk, ...

FAX #: 214-361-0204

Date: 1-21-99

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

of pages (including cover): ~~1~~ 3

Re: Addison Rd

- Original in mail Per your request FYI Call me

Comments: Plot for Auto Care center
attached. Please plot
Arapaho ROW (to the west) and
fax back

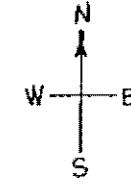
Jim

= 713.94'
 = 413.20'
 = 749.15'
 = N27°46'22" E
 = 715.25'

S. L. &

VICINITY MAP

SC: 1" = 2000'



Fax
214-361-0204

CV. 1

15' UTILITY ESMT.

10' 5" 10' 5" S 00°13'00" W

10' EAST 75.93'

S 45° E

10' UTIL. ESMT.

24' EMERGENCY ACCESS & UTILITY ESMT.

CV. 2

S. W. R. R.

R. R.

LOT 1

44,064 SQ. FT.

BLOCK 1

LOT 2

83,771 SQ. FT.

EAST ~ 2410'

10' DRAINAGE ESMT. VOL. 79236, PG. 2770, D.R.D.C.T.

151,146 SQ. FT. GROSS
- 11,948 SQ. FT. ARAPAHO RD. R.O.W.
139,198 SQ. FT. NET

CV. 5
DEDICATED TO CITY OF ADDISON FOR
ARAPAHO ROAD
CV. 6 (60' R.O.W.)

25' BLDG. LINE

CL 60" R.C.P.

25' BLDG. LINE

LOT 3

11,363 SQ. FT.

VOL. 5157, PG. 121
DORCHESTER PIPELINE
(APPROX. LOCATION)

25' BUILDING LINE

15' STREET & DRAINAGE ESMT.

3' STREET ESMT.

120.0'

138.5'±

162.06 ±

50'

50'

112.30'

FOUND PAVEN

S 00°13'00" W ~ 632.86'

POINT OF BEGINNING

ADDISON ROAD

(60' R.O.W.)

30'
30'

WEST ~ 3308.89'

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Robert Weber

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

Company: Ed Bell Const

FAX #: 214-352-3201

Date: 5-4-99

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

of pages (including cover): 1

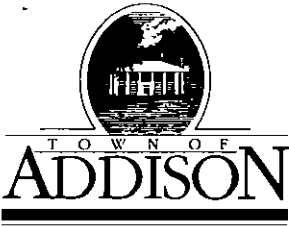
Re: Arapaho Rd - Class K Concrete Poured 4/22/99

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

Comments: Please furnish us copies of the
delivery tickets for the Class K Concrete
from Custom Crete. For our files

Thanks

Jim



LETTER OF TRANSMITTAL

Public Works / Engineering

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

DATE	5-4-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	
Clarification of Drawings		

TO Pat Rivera
Ed Bell Construction

GENTLEMAN:

WE ARE SENDING YOU

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

COPIES	DATE	NO.	DESCRIPTION
2	5/3/99		Sheet LA-1 & Sheet SE-1

THESE ARE TRANSMITTED as checked below:

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

REMARKS Clarifies the conflict between Sheets LA-1 and SE-1. Generally, Sheet LA-1 controls. However, one light base & fixture was added to LA-1.

COPY TO Robert Weber
Dave Wilde

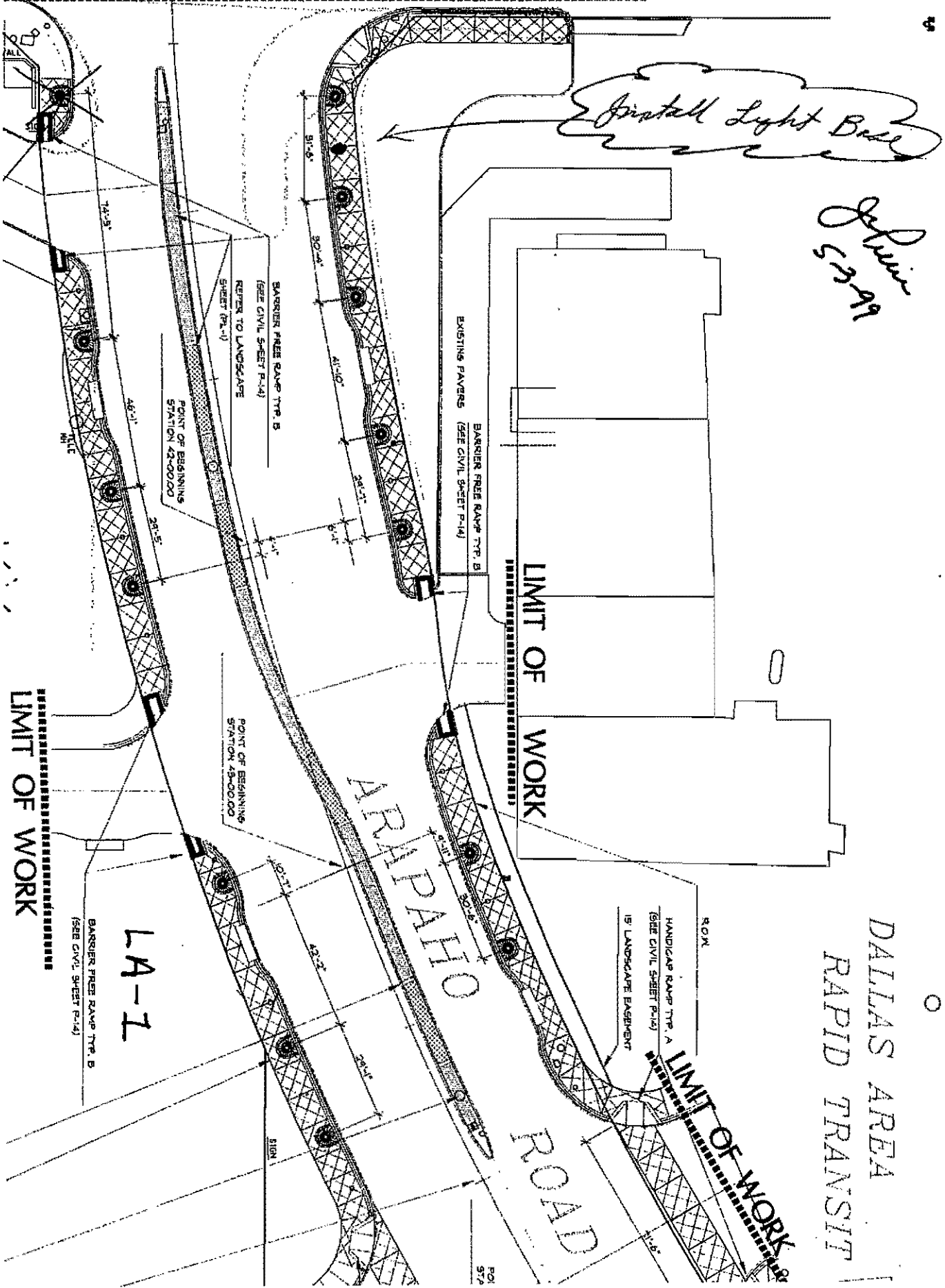
SIGNED: [Signature]

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

LIMIT OF WORK

Install Light Base

John
5-14-99



LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

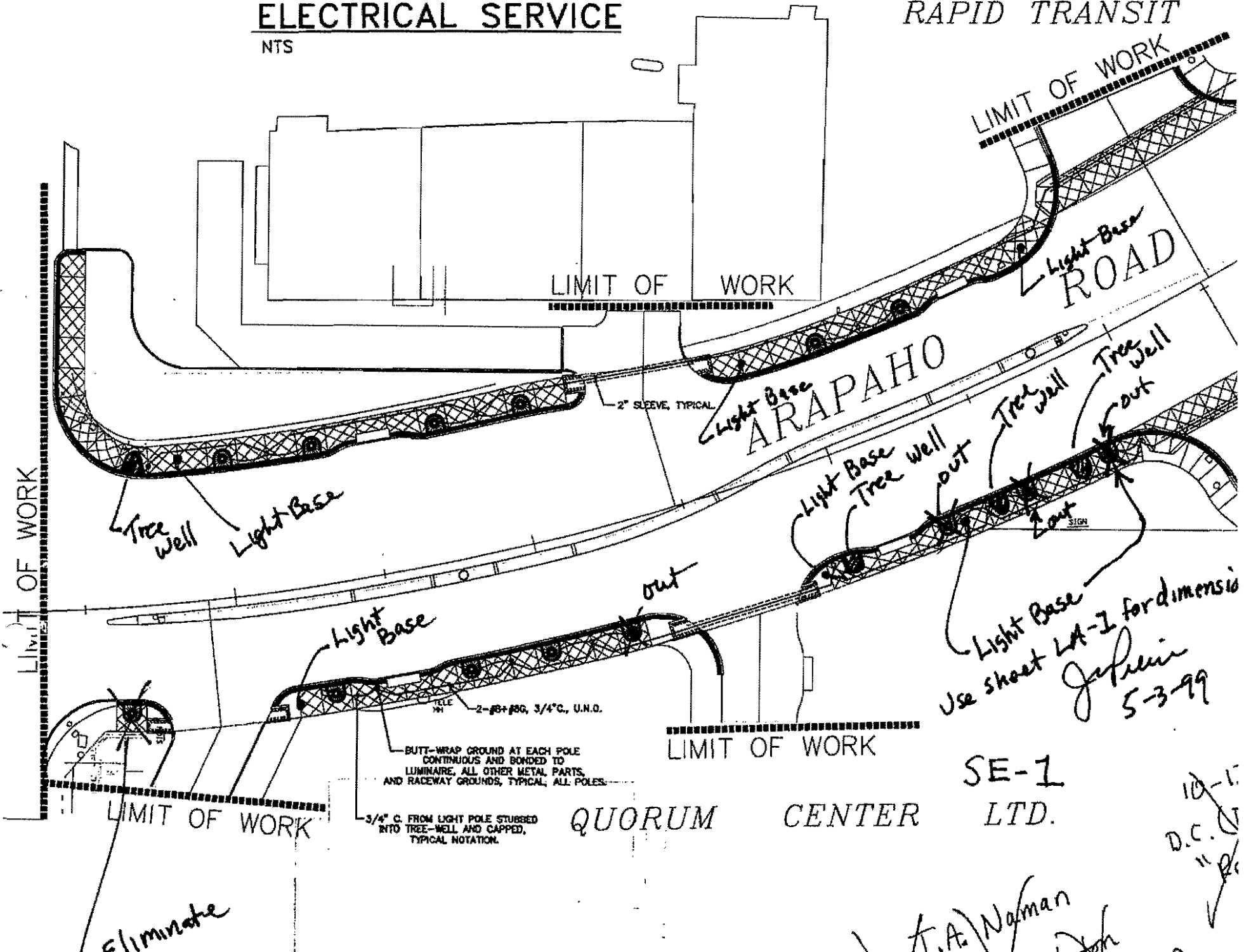
DALLAS AREA
RAPID TRANSIT

5. Contractor's responsibility for all final quantities, drawings and specifications. Any quantities provided by KESIA Design Group are provided on a convenience only and shall not be considered absolute. Landscape architect should be notified if any discrepancies occur.

ELECTRICAL SERVICE

NTS

RAPID TRANSIT



LIMIT OF WORK

LIMIT OF WORK

Light Base ROAD

Light Base ARAPAHO

2" SLEEVE, TYPICAL

Tree Well Light Base

Light Base Tree Well out Tree Well out

Light Base Use sheet LA-2 for dimensions J. Klein 5-3-99

Light Base out

2-#8+#80, 3/4" C, U.N.O.

BUTT-WRAP GROUND AT EACH POLE CONTINUOUS AND BONDED TO LUMINAIRE, ALL OTHER METAL PARTS, AND RACEWAY GROUNDS, TYPICAL, ALL POLES.

LIMIT OF WORK

3/4" C FROM LIGHT POLE STUBBED INTO TREE-WELL AND CAPPED, TYPICAL NOTATION.

LIMIT OF WORK

QUORUM CENTER LTD.

SE-1 LTD.

eliminate

L.A. Nafman 11/2/99

10-11 D.C. 11/2/99

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Robert Weber

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

Company: Ed Bell Const

FAX #: 214-352-3201

Date: 4-28-99

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

of pages (including cover): _____

Re: Arapaho Road Alignment

- Original in mail Per your request FYI Call me

Comments: It has come to my attention that at the east end of the project, Arapaho Road has been constructed approximately 2 feet to the north of where it was intended to be. This was discovered when sidewalk layout conflicted with the fence along the south side of the Millennium Project.

This is to request that you prepare a drawing showing the deviation of the roadway so that we can begin discussing a solution to the problem.

J. Pierce

cc John Baumgartner

Dave Wilde

Pat Rivera

TOWN OF
ADDISON

PUBLIC WORKS

To: Robert Weber

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

Company: Ed Bell Const

FAX #: 214-352-3201

Date: 4-27-99

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

of pages (including cover): 2

Re: Arapaho Rd - Additional Trees

- Original in mail Per your request FYI Call me

Comments: Please see attached letter from
DART regarding the installation of
the "second row" of trees along the
Dart Transit center. Please take this
information into consideration when preparing
your price proposal.

J. Pierce

cc Pat Rivera
Dave Wilde



Dallas Area Rapid Transit
P.O. Box 660163
Dallas, Texas 75266-0163
214/749-3278

April 23, 1999

Mr. Slade Strickland
Director of Parks & Recreation
Town of Addison
P.O. Box 144
Addison, Texas 75001

Re: Installation of trees in DART's Right-of-Way

Dear Mr. Strickland:

As per our telephone conversation of last week, it is my understanding that you will not be able to install the trees that are to be placed in DART's ROW along Arapaho Road prior to the completion of the Transit Center construction.

As per our agreement, we have directed our contractor to finish the irrigation and sodding of the area in question so they may complete their work without delays. It is understood that you will install the trees at a later date and that the Town of Addison will be responsible for the restoration of the planting area to the conditions in which you receive it. It is also agreed, that any damages to the irrigation system or any other element of Transit Center facility that may occur during the installation of the trees will be repaired, to DART's satisfaction, by the Town of Addison. Should you disagree with the understanding stated above, please notify me no later than April 30, 1999.

The opening of the Addison Transit Center is scheduled for June 7, 1999. Please schedule the tree installation not to interfere with the opening ceremony or its preparation.

Should you need additional information or have any questions, please contact me at your earliest convenience.

Sincerely,

A. Rene Rodriguez, AIA
Project Manager

RR/jv

c: Rick Brown
Diane Gollhofer-Raines
Gary Thomas

Eduardo Ugarte
James Pierce, Jr. - TOA
PMFR

Jim Pierce

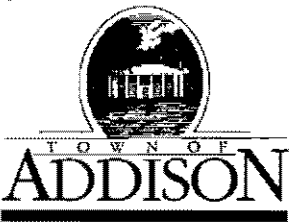
From: Slade Strickland
Sent: Friday, April 23, 1999 3:48 PM
To: Jim Pierce
Subject: Sawcut Depth Arapaho sidewalks

Jim, I could not find any reference to sawcut depth on the plans or specs. The plans only specify sawcut, while there isn't any reference to sawcutting in the specs.

Slade Strickland, Director of Parks and Recreation

Town of Addison, Texas

Direct Office 972.450.2869 ~ Fax 972.450.2834



LETTER OF TRANSMITTAL

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

DATE	4-23-99	JOB NO.
ATTENTION		
RE	Arapaho Rd	
	Median Irrigation on Spectrum Drive	

TO Pat Rivera
Ed Bell Const

GENTLEMAN:

WE ARE SENDING YOU

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

COPIES	DATE	NO.	DESCRIPTION
1			Sheet ST-10 Showing Spectrum Median
			Remarks (cont.) I have contacted Carr America to see if they will pick up the flower bed as part of their system. They will get back to me (yellow).

THESE ARE TRANSMITTED as checked below:

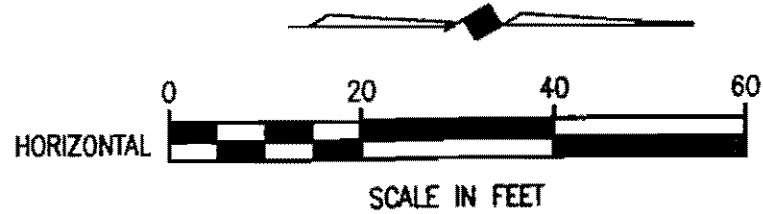
- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE _____ 19____
- Approved as submitted
- Approved as noted
- Returned for corrections
- Resubmit _____ copies for approval
- Submit _____ copies for distribution
- Return _____ corrected prints
- PRINTS RETURNED AFTER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

REMARKS Irrigation to the median (purple) is part of the contract. Irrigation to the median (green) has been severed. Irrigation to the median must be re-established either from the original source, or by extension of the project irrigation system. If the project system is extended, some redesign is needed to provide for the additional water needed, plus control valves. I suggest you use Irritech for this work.

COPY TO Robert Weber
Slade Strickland
Dave Wilde

SIGNED: J. P. [Signature]

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



J & D AUTO COSMETOLOGY
15293 ADDISON RD.

60' R.O.W. DEDICATED TO TOWN OF ADDISON FOR ARAPAHO ROAD

EX. TOP M.H. 630.21
FL IN 620.71(W)
FL IN 620.57(N)
FL OUT 620.61(S)

METRO BRICK
15301 ADDISON RD.

DORCHESTER PIPELINE
VOL. 5157, PG. 17

STAKE IN GROUND FOR TRAFFIC POLE

BRICK PAVERS

BRICK PAVERS

STAKE IN GROUND FOR TRAFFIC POLE WALL

3' STREET ESMT.

36" WIL

16" PECAN

U.G.C.M.

10" WIL

U.G.C.M.

P.P.

P.P.

UPM

UCM

P.P.

U.G.C.M.

MAIL BOX (TO BE RELOCATED)

L.S.G. M.H.

W.V.

S.S.M.H.

12+00

13+00

14+00

15+00

ST SEW. M.H.

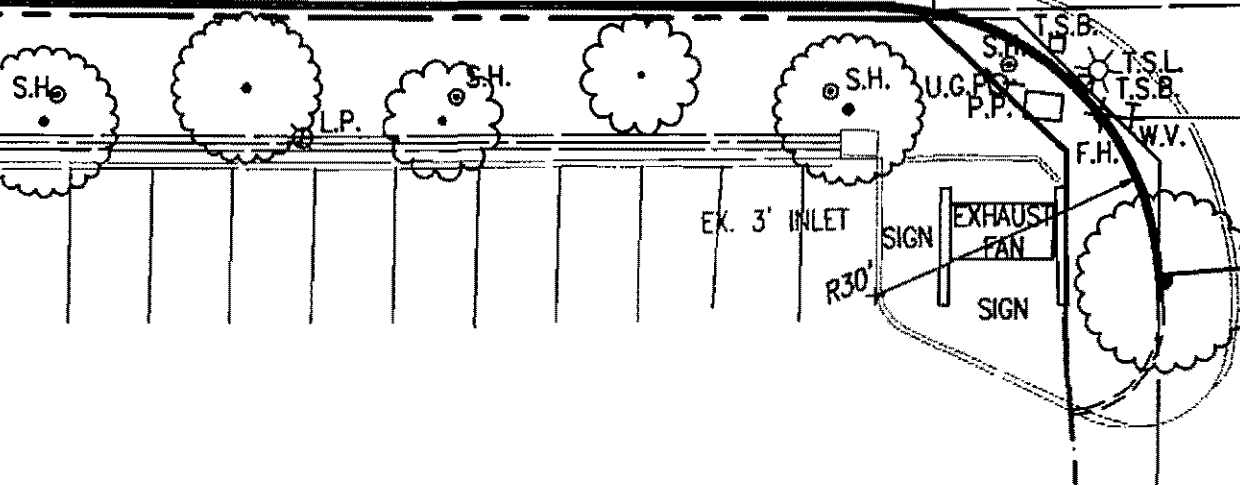
EX. 2-24" RCP

5/8" I.R.F.

24" WL

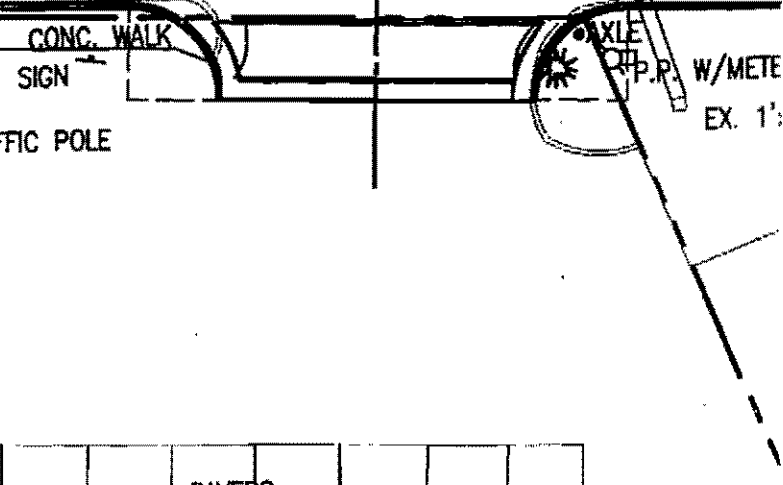
S.H.

S.H.

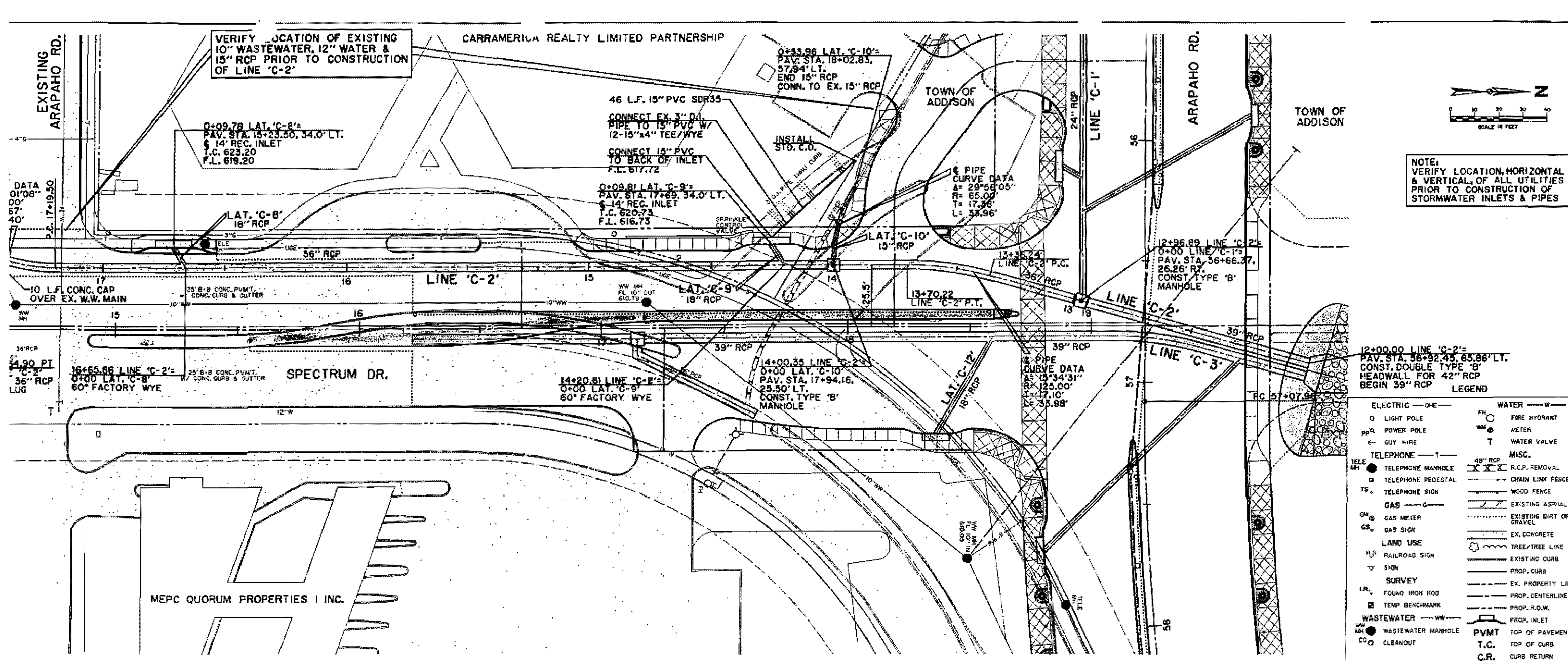


ARAPAHO

P.P.



PAVERS

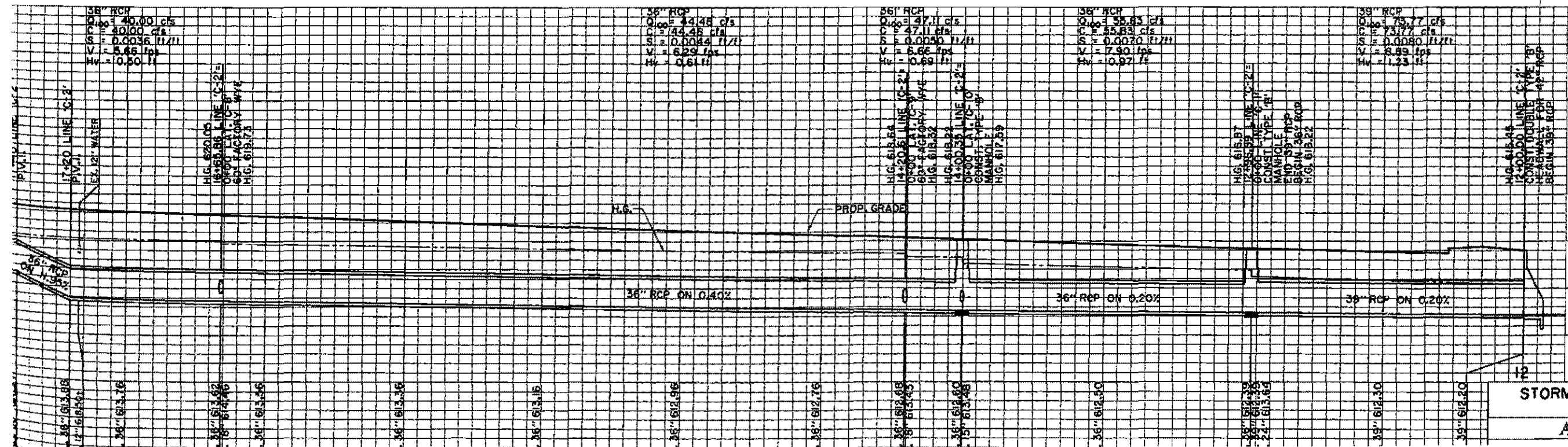


NOTE:
VERIFY LOCATION, HORIZONTAL
& VERTICAL, OF ALL UTILITIES
PRIOR TO CONSTRUCTION OF
STORMWATER INLETS & PIPES

12+00.00 LINE 'C-2'=
PAV. STA. 56+92.45, 65.86' LT.
CONST. DOUBLE TYPE 'B'
HEADWALL FOR 42" RCP
BEGIN 39" RCP

LEGEND

ELECTRIC — O—E	WATER — W—W
○ LIGHT POLE	○ FH FIRE HYDRANT
□ POWER POLE	○ WM METER
— GUY WIRE	T WATER VALVE
TELEPHONE — T—	MISC.
● TELEPHONE MANHOLE	48" RCP R.C.P. REMOVAL
□ TELEPHONE PEDESTAL	— CHAIN LINK FENCE
TS TELEPHONE SIGN	— WOOD FENCE
GA GAS METER	— EXISTING ASPHALT
GS GAS SIGN	— EXISTING DIRT OR GRAVEL
LAND USE	— EX. CONCRETE
RA RAILROAD SIGN	○ TREE/TREE LINE
▽ SIGN	— EXISTING CURB
SURVEY	— PROP. CURB
FOU FOUND IRON ROD	— EX. PROPERTY LINE
□ TEMP BENCHMARK	— PROP. CENTERLINE
WASTEWATER — WW—	— PROP. R.O.W.
● WASTEWATER MANHOLE	— PROP. INLET
○ CLEANOUT	PVMT TOP OF PAVEMENT
	T.C. TOP OF CURB
	C.R. CURB RETURN



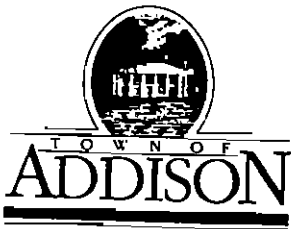
BENCHMARKS:
USC & GS E-921 DISK IN BRICK
WALL OF OLD ADDISON SCHOOL
HOUSE (MAGIC TIME MACHINE
RESTAURANT) ON SOUTH WALL,
4' EAST OF CENTER OF THE
ENTRANCE, 4.7' ABOVE THE
GROUND.
ELEV. 650.61

□ ON SOUTHEAST CORNER OF
CONCRETE WALK AT FRONT
ENTRANCE TO 4805 ARAPAHO
ROAD.
ELEV. 630.61

THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
KENNETH A. ROBERTS, P.E. 55446
ON OCTOBER 24, 1997



STORMWATER PLAN & PROFILE
LINE 'C-2'
ARAPAHO ROAD



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

LETTER OF TRANSMITTAL

DATE	4-23-99	JOB NO.	
ATTENTION			
RE:	Arapaho Rd		
	Additional Trees		

TO Robert Weber
Ed Bell Const

GENTLEMAN:

WE ARE SENDING YOU

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

COPIES	DATE	NO.	DESCRIPTION
1			Addison Transit Center Site Plan
1	4-19-99		Letter from Hawkins Nursery & Landscape Co.

THESE ARE TRANSMITTED as checked below:

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

REMARKS The Town wishes to plant a "second row" of trees along the DART Transit Center similar to those shown on the attached plan. The trees will be staked in the field. DART has given us permission to do this. We have received a price from Hawkins (attached) to do this but would like to do the work as a change order to your contract. Please provide us your unit price for 18 trees as per the above

COPY TO Glade Strickland
Pat Rivera
Dave Wilde

SIGNED: [Signature]

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



HAWKINS

NURSERY & LANDSCAPE CO., INC.

P.O. Box 800469 Dallas, Texas 75380-0469
Main Office: 972/596-5904 FAX: 972/964-3790

DATE: APRIL 19, 1999 # of pages including cover 2
TO: TOWN OF ADDISON
MR. SLADE STRICKLAND
FAX #: 972 - 450 - 2834
FROM: GARRETT CHERRY
RE: ARAPAHO ROAD
ADDISON, TEXAS

SLADE:

PURSUANT TO YOUR REQUEST: WE SUBMIT THE FOLLOWING AS AN ADD TO
OUR CURRENT CONTRACT WITH ED BELL CONSTRUCTION COMPANY:

17 - RED OAK : 65 GAL : 3 1/2" x 4" CAL. : 14'18" H X 8'10" S : full :

MAY BE 18

\$546.00 / EACH \$9,282.00 TOTAL

IF THIS IS ACCEPTABLE, PLEASE NOTIFY US ASAP AND ED BELL
CONSTRUCTION CO. TO ISSUE A CHANGE ORDER TO THE SAME.
THANKS !!!

PLEASE CALL IF QUESTIONS !!!

HAWKINS NURSERY & LANDSCAPE CO., INC.

WM. GARRETT CHERRY, ASLA
LANDSCAPE ARCHITECT / SENIOR ESTIMATOR
CC: FILE & MR. CREIG MATTHEWS

IF YOU DO NOT RECIEVE ALL OF THESE PAGES IN LEGIBLE FASHION
PLEASE CALL 972-596-5904

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BROADWAY STREET

TBM-1

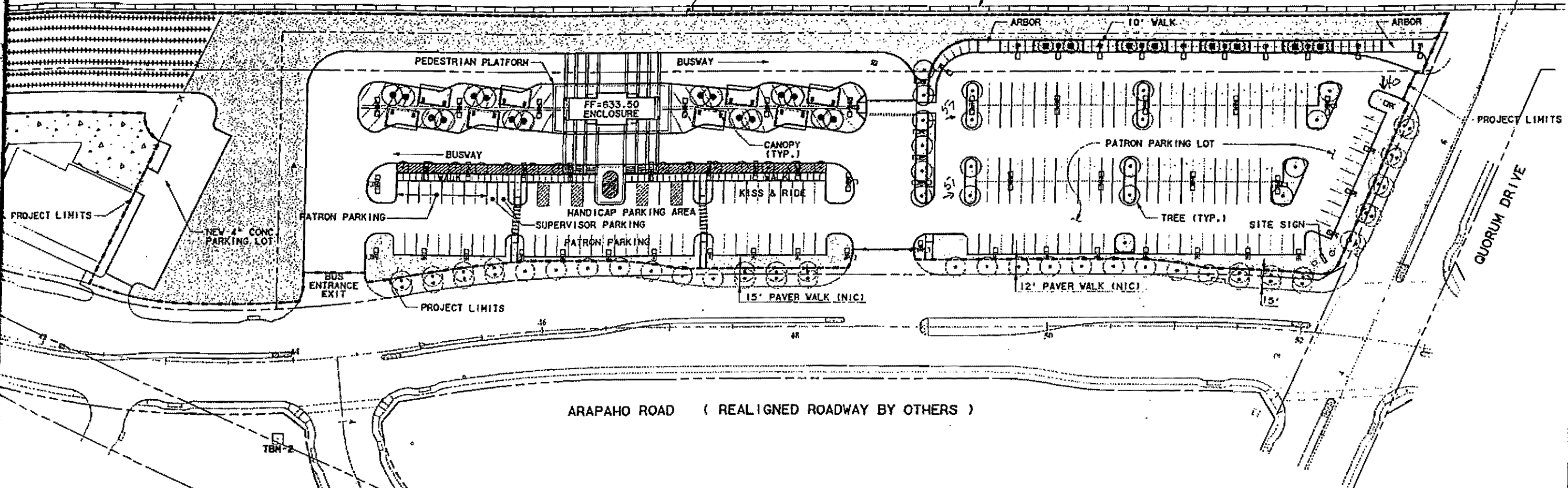


SCALE 1" = 40'

EXISTING RAIL LINE

PROJECT LIMITS

RAILROAD



ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

ARAPAHO ROAD

NOTES:

1. THE PROPOSED TRAFFIC SIGNAL ON ARAPAHO ROAD AT THE WESTERN DRIVEWAY, IS NIC.
2. THE DECELERATION LANES ON ARAPAHO ROAD AND DRIVEWAY APPROACHES ON ARAPHO ROAD AND QUORUM DRIVE ARE NIC.
3. SIDEWALKS (12' TO 15' WIDE) ALONG ARAPAHO AND QUORUM ARE NIC.
4. ALL WORK OUTSIDE PROJECT LIMIT LINE IS NOT IN CONTRACT (NIC) EXCEPT AS OTHERWISE SHOWN.

TRANSIT CENTER PARKING

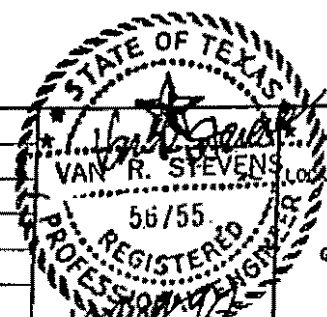
PARKING SPACES	201
KISS & RIDE	10
TOTAL	211

CONFORMED

CONTRACT SHEET No. 11 OF 95

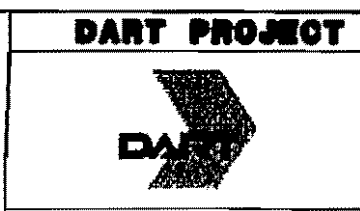
ADDISON
TRANSIT CENTER
SITE PLAN

DATE	DESCRIPTION



WENDY LOPEZ & ASSOC.
VAN R. STEVENS
THE SVA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
800 MARKET CENTER BLVD. - SUITE 200
DALLAS, TEXAS 75201



SCALE	1" = 40'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHANG
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

(c) **Additional Thickness.** No adjustment to the contract unit price will be made for any pavement of a thickness exceeding that required by the plans.

360.14. Ride Quality. Unless otherwise shown on the plans, ride quality will be required in accordance with Item 585, "Ride Quality for Pavement Surfaces".

360.15. Measurement. This Item will be measured by one (1) of the following methods:

(1) **Measurement by the Square Yard.** When provided by the plans, concrete pavement will be measured by the square yard of surface area of completed and accepted work. The surface area will include that portion of the pavement slab extending beneath the curb. When concrete pavement is to be measured by the square yard and monolithic curb is required, measurements for "Monolithic Curb" will be by the linear foot complete in place.

(2) **Measurement by the Cubic Yard.** When provided by the plans, concrete pavement, including monolithic curb when required, will be measured by the cubic yard of absolute volume of all materials entering the mixture as prescribed in Construction Bulletin C-11.

(3) **Ride Quality.** Ride quality will be measured as described in Item 585, "Ride Quality for Pavement Surfaces".

360.16. Payment. The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the adjusted unit price bid as provided under Article 360.13, for "Concrete Pavement" of the type, reinforcement and depth specified, and for "Monolithic Curb" of the type specified. This price shall be full compensation for furnishing, loading, unloading, storing, hauling and handling of all concrete ingredients, including all freight and royalty involved; for placing and adjusting forms, including supporting material or preparing track grade; for furnishing and installing all reinforcing steel; for furnishing all materials for sealing joints and placing longitudinal, expansion and weakened-plane joints, including all steel dowel caps and load transmission devices required; for mixing, placing, finishing, curing and sawing concrete; for cleaning and sealing concrete joints; and for all manipulations, labor, tools, equipment and incidentals necessary to complete the work."

When surface Test Type-B, as specified in Item 585, "Ride Quality for Pavement Surfaces", is used, a bonus or deduction for each 0.1-mile section of each travel lane will be calculated in dollars and cents.

ITEM 361

FULL-DEPTH REPAIR OF EXISTING CONCRETE PAVEMENT

361.1. Description. This Item shall govern for full-depth repair of existing sections of portland cement concrete pavement in accordance with the existing roadway section and the details shown on the plans, and to lines and grades established by the Engineer.

361.2. Materials.

(1) **Concrete.** Concrete shall be Class "K" unless Class "K(Modified)" is indicated on the plans.

All materials shall conform to the pertinent requirements of Item 421, "Portland Cement Concrete", together with the following:

The coarse aggregate shall be either Grade 2 or 3. When specified on the plans, air entrainment will be required. An air entrained content of three (3) to six (6) percent, as directed by the Engineer, shall be provided. The fine aggregate shall be Grade 1 with a fineness modulus of 2.60 to 2.80. For Class "K(Modified)" concrete, the fineness modulus range may be increased to between 2.30 and 3.10 when noted on the plans. All admixtures used shall conform to the requirements of Item 437, "Concrete Admixtures", except that the addition of an ASTM Type C nonchloride set-accelerating admixture may be required at the job site when the temperature of the concrete is above 55 degrees F. Either transit-mix or central-mix concrete will be permitted. If the concrete fails to reach the required 24-hour strength, the Engineer may direct that the concrete be redesigned to meet these requirements.

wa had 7.5 sacks
 (a) Class "K" concrete shall be designed to include seven (7) sacks of Type III cement. The maximum water cement ratio shall not exceed 5.5 gallons per sack. An ASTM Type A water-reducing admixture and an ASTM Type C nonchloride set-accelerating admixture shall be used to achieve the earliest possible concrete-setting times. The use of a set-retarding admixture will not be permitted with Class "K" concrete. The concrete will be designed to achieve a minimum flexural strength of 425 psi *4.4*

Mix design = 625 psi / 24 hr

in 24 hours. Additional minimum flexural strength requirements for intermediate time intervals may be shown on the plans.

(b) Class "K(Modified)" concrete shall be designed to include seven (7) sacks of cement when Type I cement is used and six (6) sacks of cement when Type III cement is used. The maximum water cement ratio shall not exceed 6.0 gallons per sack. An ASTM Type D water-reducing, set-retarding admixture or an ASTM Type A water-reducing admixture will be used if directed by the Engineer. The concrete will be designed to achieve a minimum flexural strength of 300 psi in 24 hours.

(2) **Reinforcing steel.** Reinforcing steel and dowels shall be of the size and grade indicated on the plans and shall conform to the requirements of Item 440, "Reinforcing Steel".

(3) **Stabilized base material.** Stabilized base material shall conform to the material requirements of Item 276, 334, 340, 345, 350 or 421. The materials and material sources shall be approved by the Engineer. The quality-control tests required for these items may be waived by the Engineer and the material may be accepted by visual inspection.

(4) **Epoxy.** Epoxy shall conform to the requirements of Item 575, "Epoxy".

(5) **Miscellaneous materials.** All other materials shall conform to the pertinent requirements of Item 360, "Concrete Pavement".

361.3. Construction Methods. The areas to be repaired will be outlined on the slab by the Engineer. The square yardage shown on the plans to be repaired is for bidding purposes only. Actual dimensions of areas to be repaired will be determined during construction by the Engineer. Patches shall be a minimum of six (6) feet in length and the full lane in width. If the area to be repaired is covered with asphaltic concrete, the asphaltic concrete shall be removed over an area sufficient to allow for proper repair of the concrete pavement. The asphaltic concrete removed shall remain the property of the Department and shall be stockpiled as directed by the Engineer.

A pressure relief groove approximately 2 inches deep shall be sawed transversely 6 inches (to the inside) from the patch ends. Full-depth saw cuts shall be made transversely along the patch ends. Unless otherwise shown on the plans, longitudinal saw cuts shall be full depth along the patch sides. If in the opinion of the Engineer, spalling occurs along the full-depth

longitudinal saw cut, the longitudinal saw cutting shall then include a longitudinal 2-inch deep pressure relief groove and be performed in the same manner as the transverse saw cutting. Additional full-depth saw cuts may be made as needed to facilitate removal of the concrete within the limits of the required full-depth cuts. Concrete adjacent to the patch shall not be spalled or fractured by the removal procedure.

The concrete shall be removed, taking care not to disturb the underlying pavement support. The total lift-out method shall be used within the limits of the full-depth saw cuts.

All loose subbase material shall be removed and replaced with stabilized base material as specified in Article 361.2., and approved by the Engineer. If concrete is used to replace loose subbase material, a bond breaker such as a polyethylene sheet shall be used at the interface between the replaced subbase material and the new concrete pavement, or as directed by the Engineer.

For a given patch, the Contractor shall schedule his work so that the concrete placement will follow the full-depth saw cut by no more than seven (7) days unless otherwise shown on the plans or permitted by the Engineer.

Unless otherwise shown on the plans, dowel bars and reinforcing bars shall be replaced with new bars of the same size, grade and spacing. Dowel bars will be required as shown on the plans.

New reinforcing bars shall be placed and firmly supported by approved bar chairs.

For all concrete pavement, the following procedure of reinforcement shall apply:

The longitudinal tiebars shall be reinforcing steel as detailed on the plans. The depth of reinforcing steel into the patch area shall be 30 bar diameters. The depth of reinforcing steel into the existing concrete shall be based on the pull-out test for bond strength but no less than 12 inches. The longitudinal tiebars shall be epoxy grouted into the existing concrete.

Transverse tiebars shall be No. 4 (unless otherwise shown on the plans) X 24 inches reinforcing steel and shall be epoxy grouted, with the same grout as used for the longitudinal tiebars, into the existing concrete pavement to a depth of 12 inches. Tiebar spacing shall be as shown on the

plans. Other reinforcing steel for the repair shall match the existing reinforcing steel unless otherwise shown on the plans.

The Contractor must demonstrate, through simulated job conditions, that the bond strength of the longitudinal and transverse tiebars (for continuity of the reinforcing steel) shall withstand a tensile load in the field of 3/4 of the yield strength of the tiebar by using a tension test required by ASTM E 488. This test shall be conducted within 18 hours after grouting of the tiebar into existing concrete. The Contractor shall demonstrate this test before patching work can begin.

Concrete placement shall not begin in a given patch until the tiebar and dowel-bar grout has attained sufficient strength to preclude displacement of the tiebars by the concrete, as determined by the Engineer. Grout retention disks shall be used when required on the plans.

The edge of any patch that abuts a shoulder shall conform with the edge and to the alignment and grade of the existing pavement. The Contractor will be permitted to remove enough shoulder base and surfacing to provide room for the forms. All shoulder material removed shall be replaced with asphaltic concrete material conforming to the material requirements of Items 330, 334 or 340. Testing of asphaltic concrete is waived, unless otherwise directed by the Engineer.

The requirements of Item 420, "Concrete Structures", shall govern the mixing and placing of the concrete. Immediately prior to placing the concrete, the subbase and each face of existing concrete shall be wetted. Approved hand manipulated mechanical vibrators shall be used to insure the proper consolidation of the concrete. The concrete shall be screeded to the elevation of the adjacent concrete pavement and checked with a straightedge to insure that the riding surface will be satisfactory. The concrete shall be given a broom finish as directed by the Engineer, unless otherwise shown on the plans.

If the repaired area had been covered with asphaltic concrete, the repaired area shall be overlaid with asphaltic concrete material conforming to the material requirements of Item 330, 332, 334 or 340, unless otherwise shown on the plans. The asphaltic concrete overlay shall not be placed until the repaired area has attained the required flexural strength for opening to traffic. Testing asphaltic concrete is waived, unless otherwise directed by the Engineer.

The concrete shall be cured in accordance with Article 360.11.(1), (3) and (4). Membrane or asphalt curing shall be used for the curing of the repaired area. The curing period shall extend only until the repaired area is opened to traffic.

The repaired area may be opened to traffic when the concrete has attained a flexural strength of 255 psi. All test specimens representing tests for opening to traffic shall be cured using the same methods and under the same conditions as the repaired area.

Modifications to the specified construction methods which are requested by the Contractor, must be submitted to the Engineer in writing for his approval.

361.4. Measurement. This Item will be measured by the square yard of surface area, except for areas that require repair which were damaged by the negligence of the Contractor.

361.5. Payment. The work performed and the materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Repairing Existing Concrete Pavement", of the nominal depth specified. This price shall be full compensation for sawing and breaking the existing pavement structure; for the removal, loading, hauling and disposal of the broken concrete or loose subbase; for furnishing all materials; for all reinforcing steel; for all curing; for all asphaltic concrete for restoring shoulders and overlaying the repaired area; for subbase patching material; and for all manipulation labor, equipment, tools and incidentals necessary to complete the work.

Monolithic curbing will not be measured and paid for separately, but will be considered as part of the area measured and paid for under this Item.

The asphaltic concrete necessary for the completion of this work will not be paid for directly, but will be considered subsidiary to this Item.

ITEM 368

TERMINAL ANCHORAGE LUGS (Concrete Pavement)

368.1. Description. This Item shall govern for the construction of terminal anchor lugs on the prepared subgrade or other base courses in

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Jason

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

Company: Terra Mar

FAX #: 972-488-8080

Date: 4/22/99 12:30 PM

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

of pages (including cover): 7

Re: Ed Bell Const / Arapaho Rd Project

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

Comments: The attached ^{design} info relates to some
Type K concrete poured on the job
between 11 AM & 12:30 PM. Pat Rivera
will be calling you for 4 hour Breaks

JCP

CONCRETE DESIGN WORKSHEET

Design No.	TxDot Class - K	2624 Joe Field Road
Date:	04/16/1999	Dallas, Texas 75229
Project:	Town Of Addison - Addison & Arapho	Phone 972-243-4466
Supplier:	Custom-Crete, Inc.	Fax 972-243-7913
Contractor:	Edd Bell Construction	

Aggregate Characteristics:	SSD UNIT WT.			
	SP. GR.	Lbs/CuFt	% Solids	Source
Fine Aggregate (FA)	2.63	107.4	0.653	Gifford Hill - Ferris (1807101)
Course Aggregate (CA)	2.78	103.26	0.594	Meridian Grade #3 - (0050434)
Water:	City of Dallas			
Cement:	TX1 III			
Fly Ash:	None used			
Air Entraining Agent:	Moncx Air 30		Dosage:	.55 oz/cwt
Accelerating Agent:	Master Builders NC534		Dosage:	50 oz per cwt
Water Reducing Agent:	Monex LR		Dosage:	4.0 oz/cwt

DESIGN FACTORS:

Cement Factor (CF)	7.50 Sacks per Yard
Coarse Agg Factor(CAF)	0.700
Water Factor (WF)	4.400 Gal per Sack
Air Factor (AF)	6.00 Per Cent

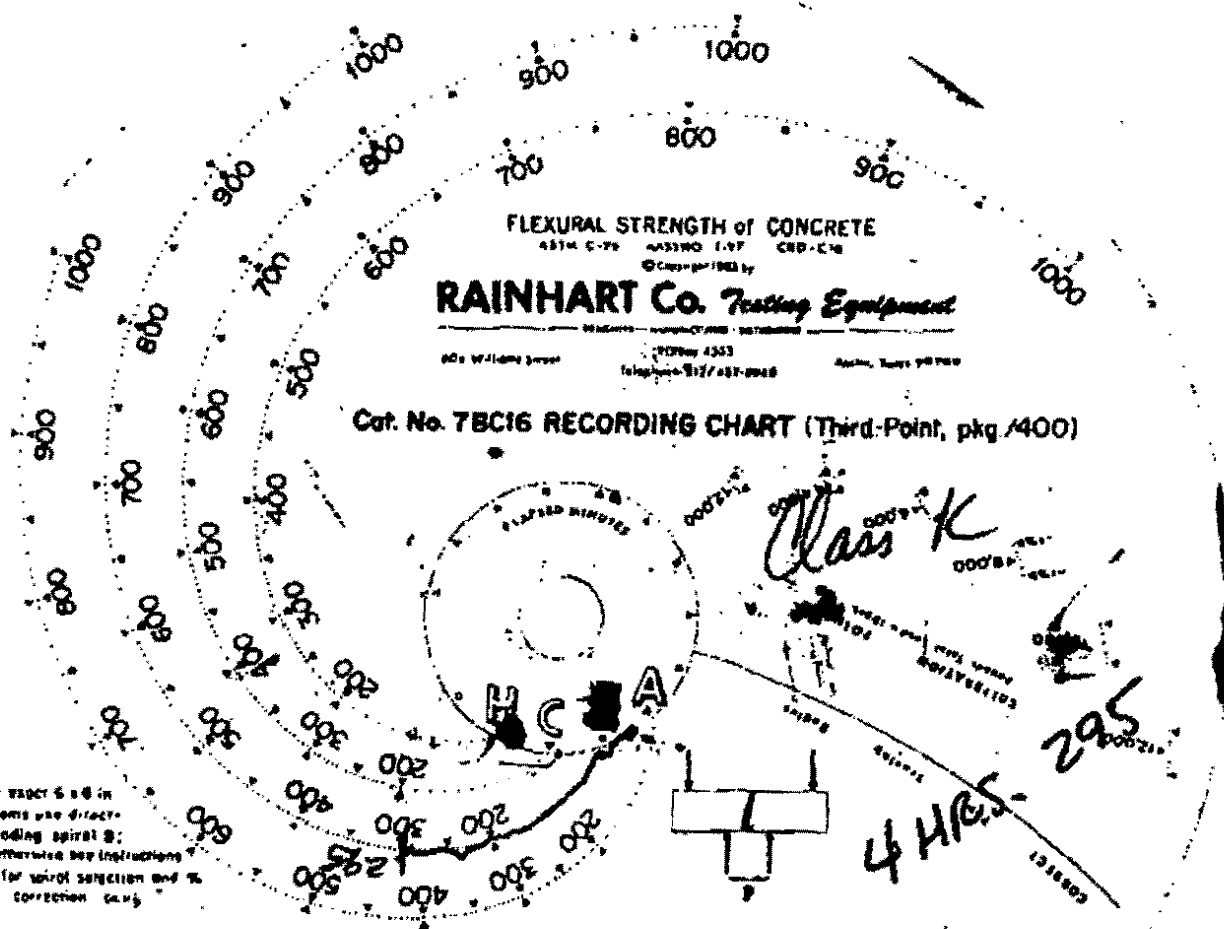
BATCH FACTORS

Size of Batch (Full Size) =	27.00	=	7.50 Full Batch Factor
Yield for 1-SK Batch =	3.600		

Batch Design (1-SK)	Vol: 1 SK Batch (CuFt)	Vol*62.5* SP. GR.	1-SK Batch = WTS	Full Batch * Factor = Wts - SSD	Full Batch
1. Con Yld (CF) = 27 CuFt / CF	3.600				
2. Vol (CA) = Yield*CAF*Solids	1.498	1.498 * 62.5 * 2.78=	260.2	7.5	1951.6
3. Vol Mortar = Yield - Vol. CA	2.102				
4. Vol Water=WF/Gal per CuFt	0.587	0.587 * 62.5 * 1.00=	36.7	7.5	275.0
5. Volume of Fly Ash	0.000				
6. Volume of Cement	0.485	0.485 * 62.5 * 3.10=	94.0	7.5	704.8
7. Vol Entrained Air=Yield*AF	0.216	0.216			
8. Vol Paste=Vol Cm +Wat+Air	1.288				
9. Vol FA = Vol Mortar - paste	0.815	0.815 * 62.5 * 2.63=	133.9	7.5	1004.4
10. Yield =Sum(2,4,5,6,7,&9)	1-SK Vol =	3.600			
11. Fine Agg Factor = Vol FA					Total Wt. = 3936
	=	0.593			

FA Solids * Vol Mortar

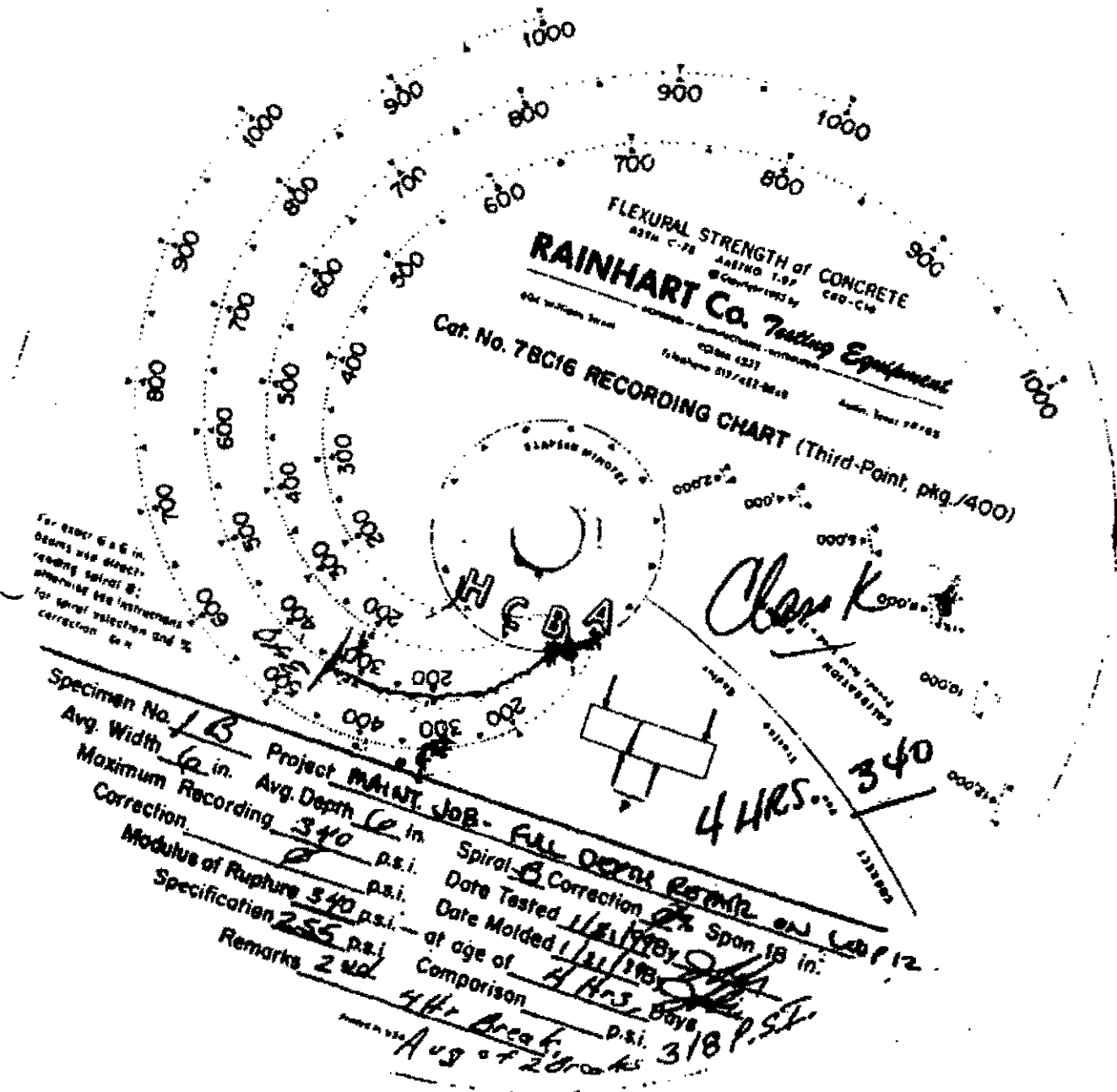
Theo. Unit Weight =	145.77 Lbs/CuFt
Water Cement Ratio (#/#) =	0.390 Lbs/Lbs



For exact 6 in beams use direct-reading spiral B; otherwise see instructions for spiral selection and % correction table.

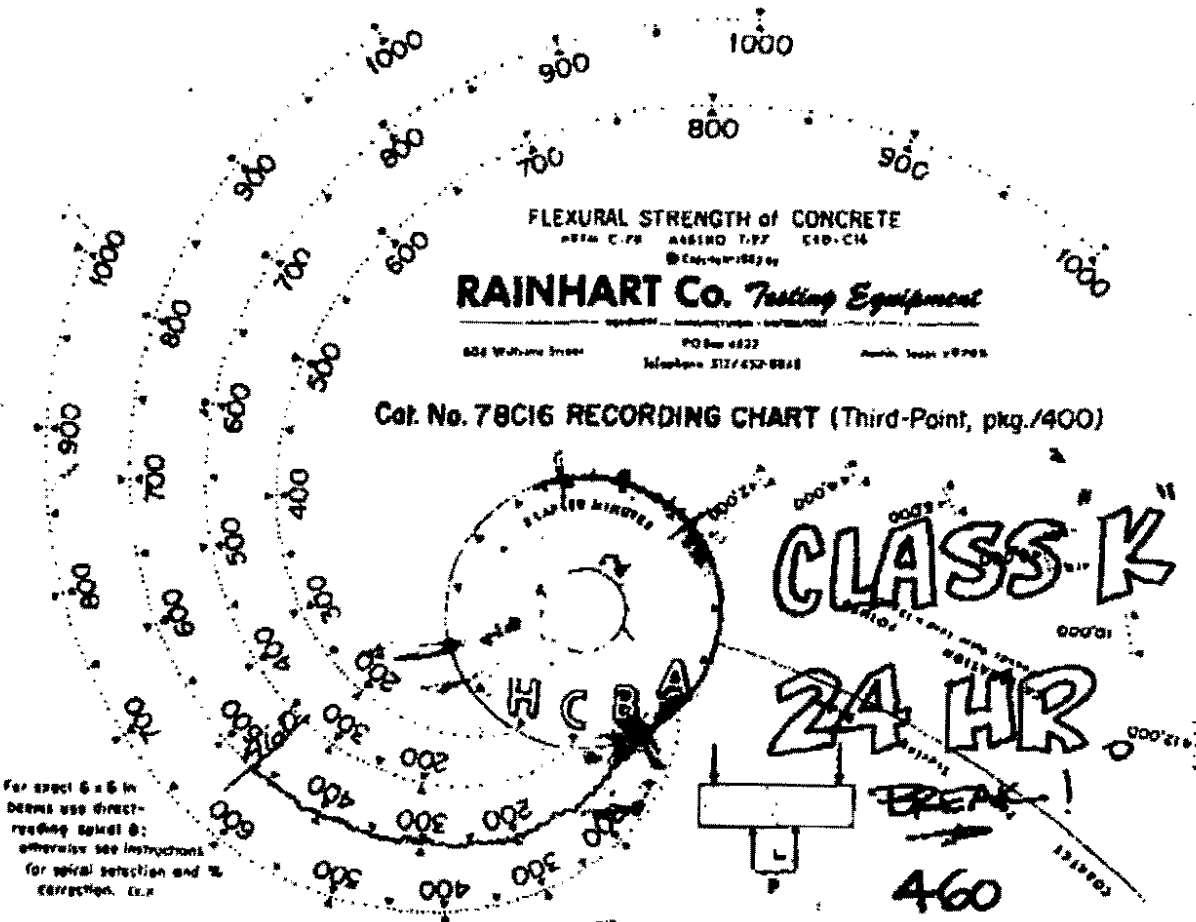
Specimen No. 1A Project MAINT. FULL DEPTH REPAIR ON LWP12
 Avg. Width 6 in. Avg. Depth 6 in. Spiral B Correction 0 % Span 18 in.
 Maximum Recording 295 p.s.i. Date Tested 11/18/98 By SJH
 Correction 295 p.s.i. Date Molded 11/18/98 By SJH
 Modulus of Rupture _____ p.s.i. — at age of 4 hrs days.
 Specification 255 p.s.i. Comparison _____ p.s.i.
 Remarks 1" beam

TEMP. OUTSIDE 73°
 PARTLY CLOUDY

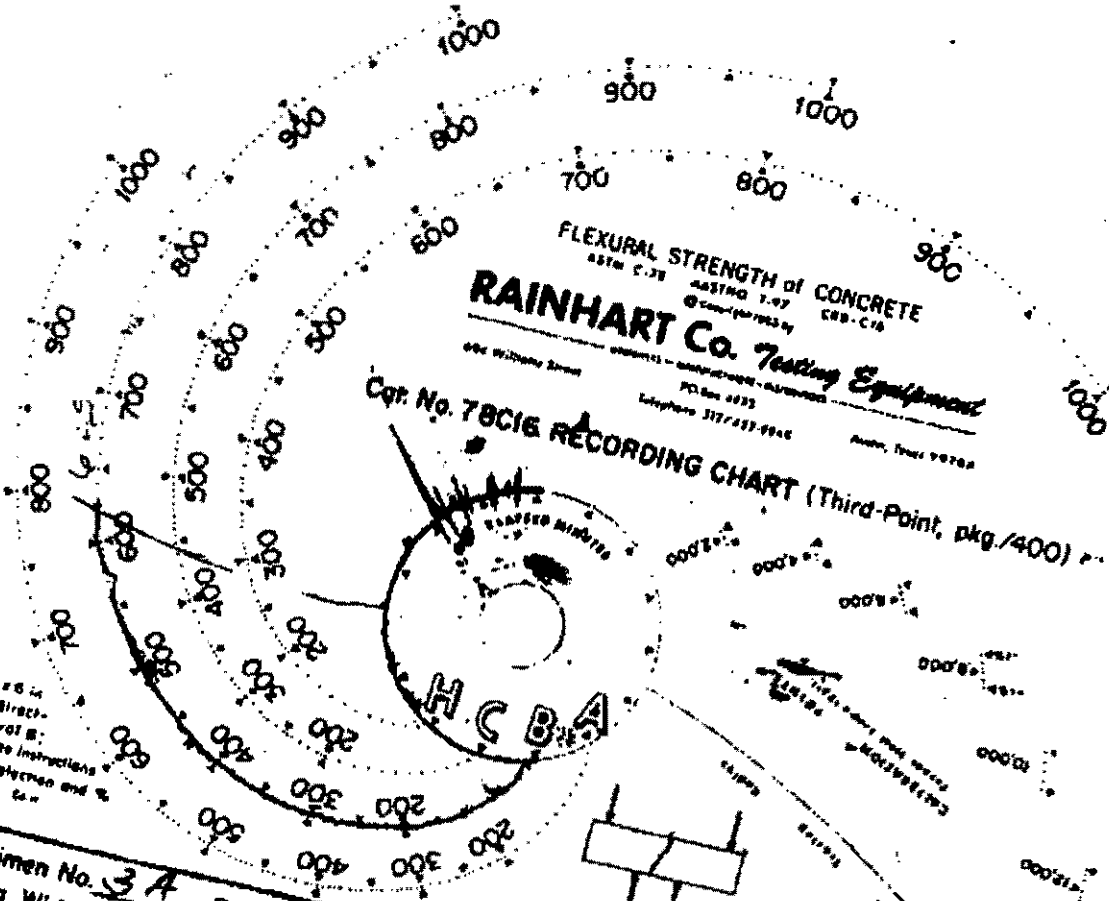


Specimen No. 1 B Project MAINT. JOB - Full Depth Repair on Loop 12
 Avg. Width 6 in. Avg. Depth 6 in. Spiral 0 Correction 0 Spon 18 in.
 Maximum Recording 340 p.s.i. Date Tested 1/21/98 By [Signature]
 Correction 0 p.s.i. Date Molded 1/21/98
 Modulus of Rupture 340 p.s.i. at age of 4 Hrs. Days 0
 Specification 255 p.s.i. Comparison 4 Hr Area 6, D.S. 318 P.S.
 Remarks 2nd Aug of 2000

Temp. 75°
 Precip cloudy



Specimen No. 7A Project Loop 12 FULL DEPTH REPAIR
 Avg. Width 6 in. Avg. Depth 6 in. Spiral B Correction 0 % Span 18 in.
 Maximum Recording 460 p.s.i. Date Tested 11/21/89 By O. J. ...
 Correction 0 p.s.i. Date Molded 11/20/89 By O. J. ...
 Modulus of Rupture 460 p.s.i. — at age of 2 days.
 Specification _____ p.s.i. Comparison _____ p.s.i.
 Remarks 24 hr Break



For steel 6 x 6 in beams use direct-reading spiral B; otherwise see instructions for spiral selection and % correction. 24"

Specimen No. 3A Project Loop 12 Full Depth Repair
 Avg. Width 6 in. Avg. Depth 6 in. Spiral B Correction 0 % Span 18 in.
 Maximum Recording 625 p.s.i. Date Tested 1/24/99
 Correction 0 p.s.i. Date Molded 1/24/99
 Modulus of Rupture 625 p.s.i. at age of 24 Days
 Specification 625 p.s.i. Comparison _____ p.s.i.
 Remarks 24 Hr break

3/12/99

Custom-Crete, Inc.
Concrete Break Evaluation

Mix # TX7075A

F'c = 3000 PSI @12Hrs

Test #:	Date:	12 Hr	Cyl #1	Cyl #2	28 Dy Avg:
1	11/11/97	3233	6300	6630	6465
2	4/11/98	3638	7350	7200	7275
3	5/2/98	3283	6530	6600	6585
4	5/24/98	3593	7050	7320	7185
5	8/14/98	3445	6880	6800	6890
6	8/14/98	3445	6880	6900	6890
7	9/8/98	3420	6730	6950	6840
8	9/29/98	3488	6800	7150	6975
9	10/1/98	3608	7200	7230	7215
10	10/1/98	3493	6980	6980	6985
11	10/1/98	3608	7200	7230	7215
12	10/1/98	3493	6980	6990	6985
13	10/20/98	4120	7090	7100	7095
14	10/21/98	3443	6850	6920	6885
15	12/3/98	3405	6770	6850	6810
16	12/4/98	4280	7550	7500	7525
17	1/7/99	3395	6730	6850	6790
18	1/8/99	3575	7120	7180	7150
19	2/11/99	3493	6950	7020	6985
20	2/11/99	3425	6810	6890	6850
21	2/25/99	3255	6480	6540	6510
22	3/3/99	3235	6440	6500	6470
23	3/10/99	3433	6880	6850	6865
24	3/10/99	3345	6480	6920	6890
25	3/10/99	3433	6680	6850	6865
26	3/17/99	3245	6540	6440	6490
27	3/18/99	3345	6480	6920	6690
28	3/20/99	3333	6580	6750	6665
29	3/31/99	3488	6950	7000	6975
30	4/1/99	3583	7100	7150	7125

Average: 3485 6897

Standard Deviation: (12 Hour) (S) = 226

 $f'_{cr} = f'_c + 2.33 S - 500 = 3028$

ED BELL CONSTRUCTION COMPANY

POST OFFICE BOX 540787
DALLAS, TEXAS 75354-0787

10605 HARRY HINES
DALLAS, TEXAS 75220

April 19, 1999

Mr. James C. Pierce, Jr., P.E.
Assistant City Engineer
Town of Addison
P.O. Box 144
Addison, Texas 75001

Faxed

Post-It® Fax Note	7671	Date	4/20/99	# of pages	1
To	Robert Weber	From	Jim Pierce		
Co./Dept.	Ed Bell Const.	Co.	Addison		
Phone #		Phone #			
Fax #	214-352-3201	Fax #			


Re: Arapaho Road Reconstruction
Addison Road to Dallas North Tollway
Town of Addison

Dear Mr. Pierce:

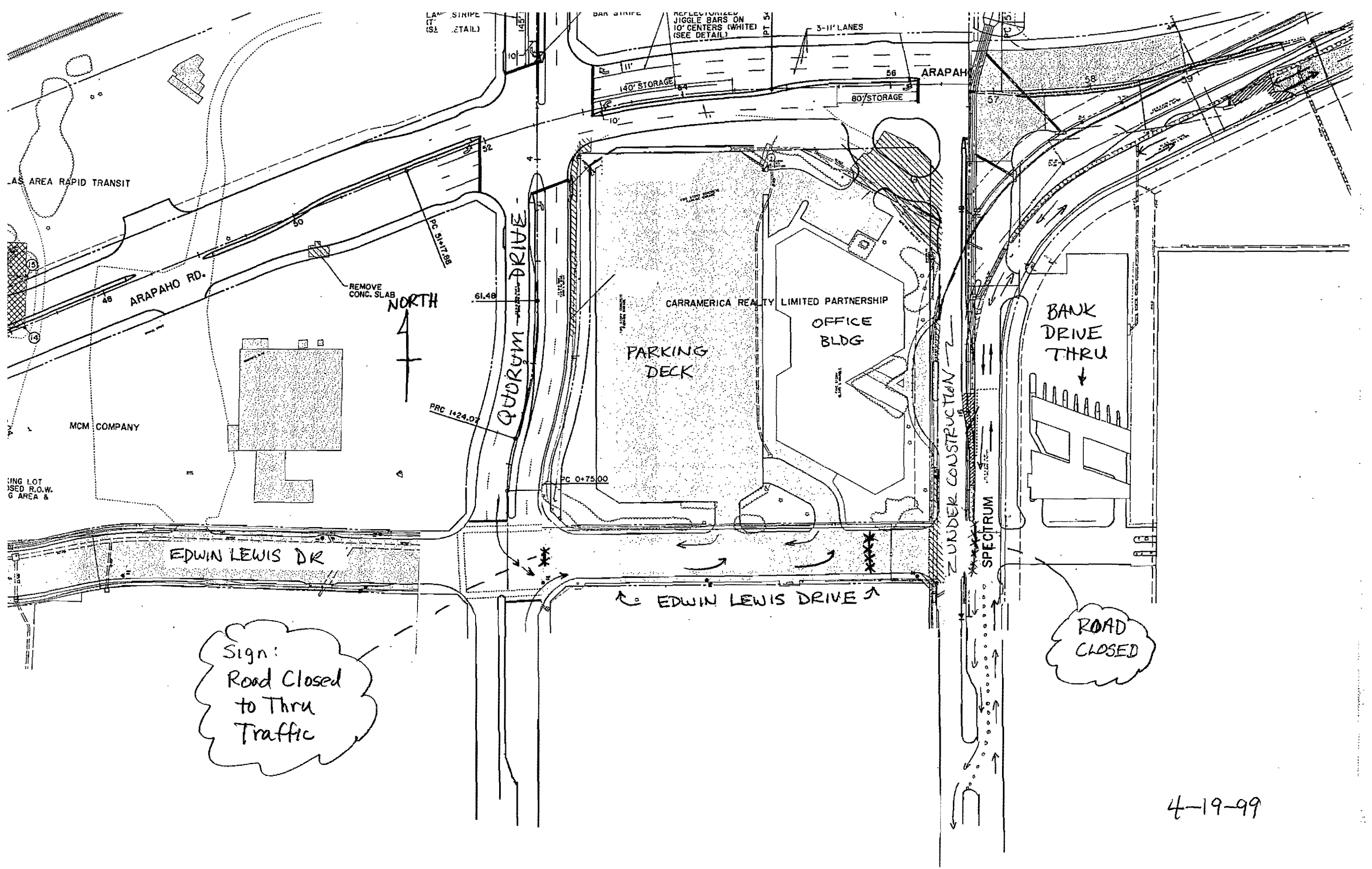
It is our understanding that the Town of Addison has requested a price for utilizing class K concrete for the intersection of Edwin Lewis Road and Spectrum Drive. As stated in our earlier phone conversation, EBCC would only require payment for the increased material cost for the concrete. Our additional cost for utilizing class K concrete is \$120.00 per CY (\$185.00/CY vs. \$65.00/CY). Based upon our field measurements of the intersection, we anticipate utilizing approximately 31 CY of CL K concrete resulting in an extra charge of \$3,720.00.

Enclosed for your review and approval is the concrete batch design from Custom Crete for class K concrete. Based upon the 4 hour and 24 hour flexural strength results, it appears that utilization of this concrete will allow the intersection to be opened in less than 24 hours after completion of the pour. Please inform us of your decision regarding this design and the charge for utilizing this product.

If you have any questions regarding this information, don't hesitate to contact our office.

Sincerely,
Ed Bell Construction Company

Robert D. Weber
Project Engineer

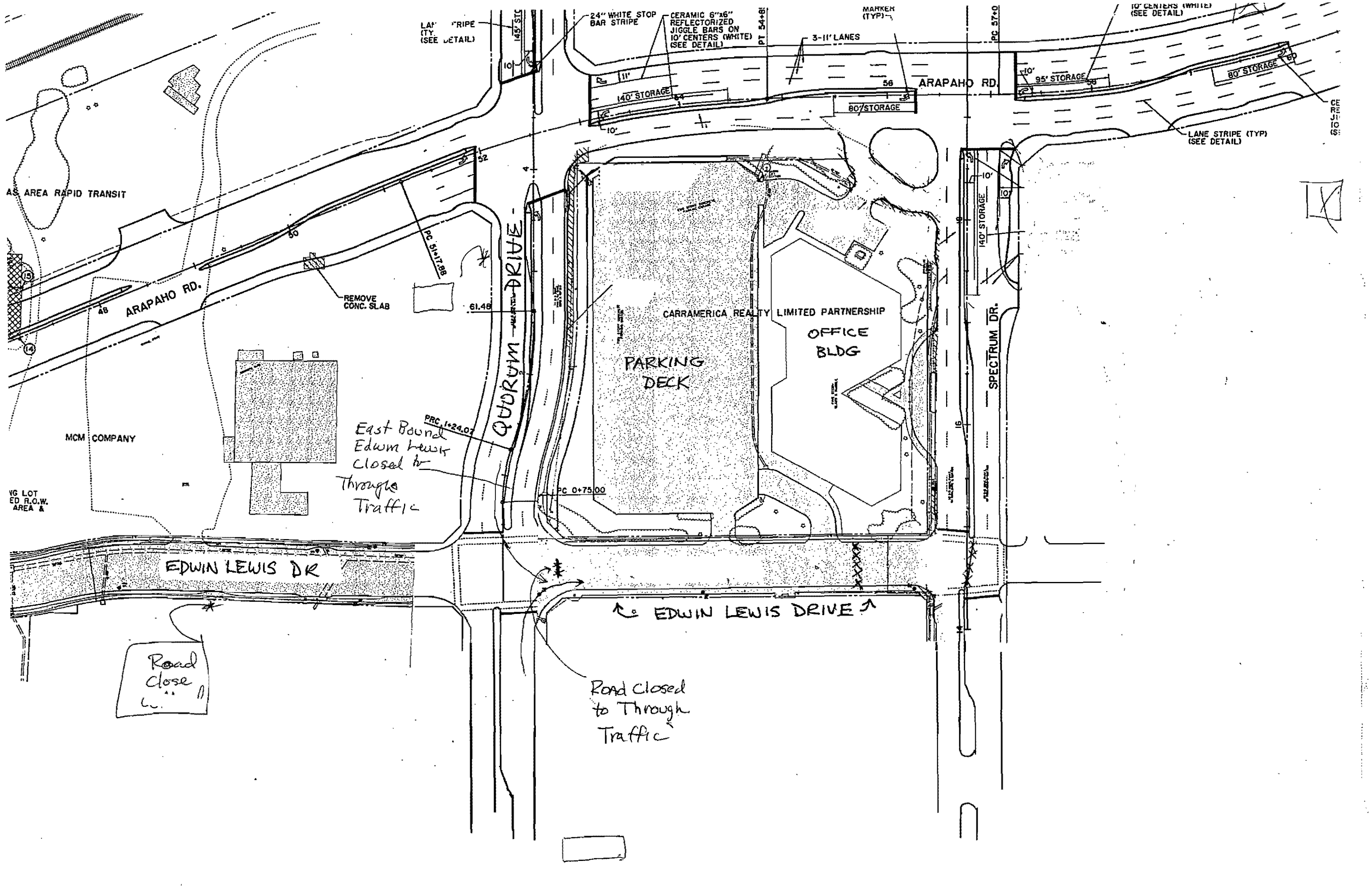
*approved
Jim Pierce
4-20-99*



Sign:
Road Closed
to Thru
Traffic

ROAD
CLOSED

4-19-99



LAP STRIPE (TY. (SEE DETAIL))

24" WHITE STOP BAR STRIPE
CERAMIC 6"x6" REFLECTORIZED JIGGLE BARS ON 10" CENTERS (WHITE) (SEE DETAIL)

3-11' LANES

ARAPAHO RD

10' CENTERS (WHITE) (SEE DETAIL)

LANE STRIPE (TYP) (SEE DETAIL)

AS AREA RAPID TRANSIT

ARAPAHO RD.

REMOVE CONC. SLAB

QUORUM DRIVE

CARRAMERICA REALTY LIMITED PARTNERSHIP
OFFICE BLDG

PARKING DECK

SPECTRUM DR.

MCM COMPANY

East Bound Edwin Lewis closed to Through Traffic

EDWIN LEWIS DR

EDWIN LEWIS DRIVE

Road close

Road closed to Through Traffic

VG LOT ED R.O.W. AREA &

CE RE JI 10 (S)

TOWN OF
ADDISON

PUBLIC WORKS

To: Scottie/Lisa

From: James C. Pierce, Jr., P.E., DEE

Company: Carr America

Assistant City Engineer

Phone: 972/450-2879

FAX: 972/450-2834

FAX #: 972-404-2201

Date: 4-19-99

16801 Westgrove

P.O. Box 9010

Addison, TX 75001-9010

of pages (including cover): 2

Re: Intersection Closure

Original in mail

Per your request

FYI

Call me

Comments: We have revised the contractor's
traffic plan re partial closure of
Edwin Lewis/Spectrum. The revised
plan provides access to your parking
from Edwin Lewis, but closes Edwin
Lewis to thru traffic. Deliveries
can continue access as they do now.
Pat Rivera is passing out the revised
plan (attached) right now ^{in the building.} Sorry for
the inconvenience but we think this
will work best.

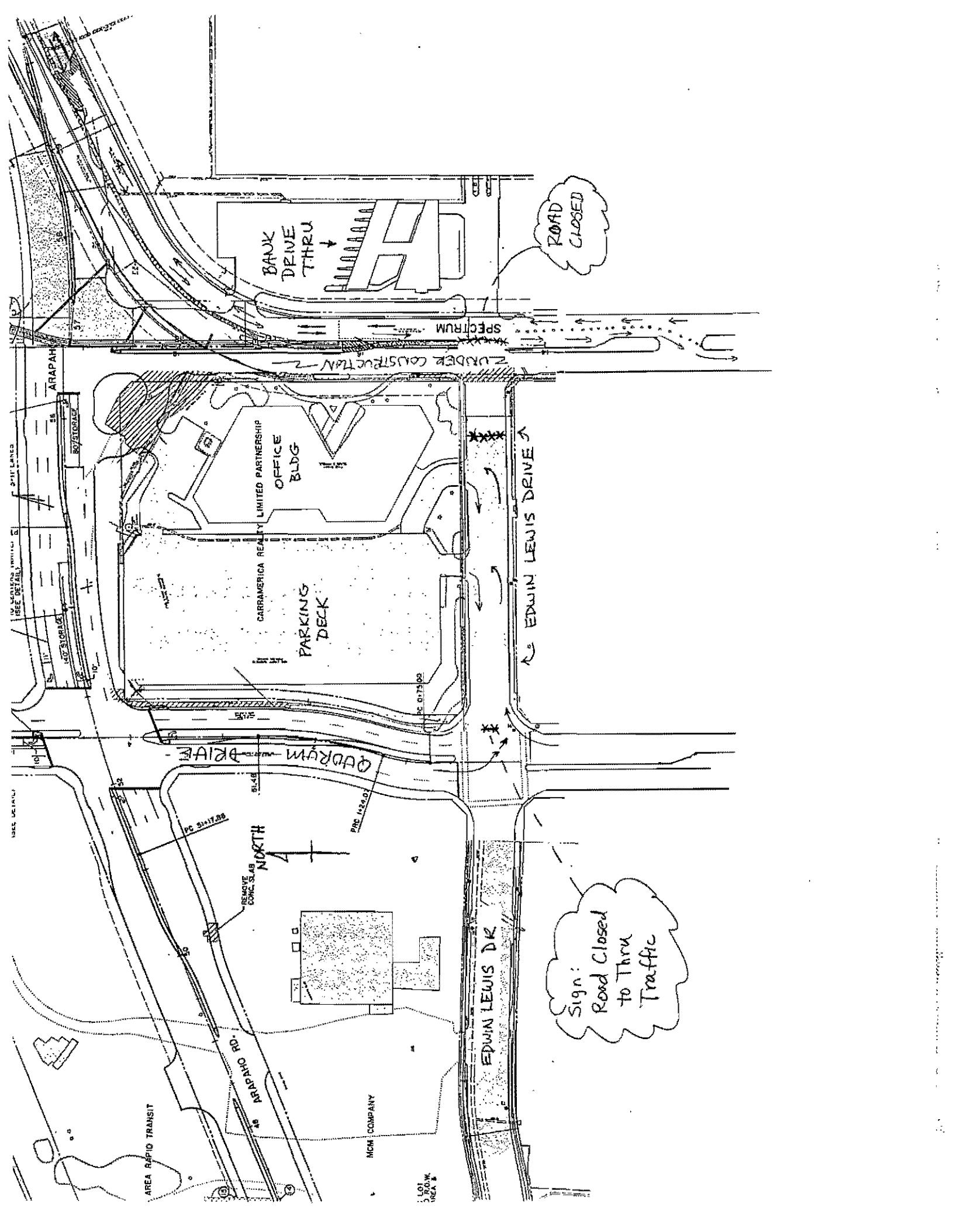
Jim

XANTHE HUDSPETH

(2)

972-991-6300

DIGITAL MATRIX
BUILDING



ROAD CLOSED

Sign:
Road Closed
to Thru
Traffic

BANK
DRIVE
THRU

LIMITED PARTNERSHIP
OFFICE
BLDG

PARKING
DECK

EDWIN LEWIS DRIVE

SPECTRUM DRIVE

ARAPAH

NORTH

AREA RAPID TRANSIT

MCM COMPANY

LOT
DRAWN
AREA

HUITT-ZOLIARS

Dallas • Fort Worth • Houston • El Paso • Phoenix • Austin • Ontario • Albuquerque • Seattle • Tacoma • Denver

FACSIMILE TRANSMITTAL

Date: 4-12-99

Fax No.: 972-950-2837

H-Z Proj. No. 01-1772-01

No. of Pages: 3
(Including Cover Sheet)

TO: Jim Pierce
Town of Addison Robb Woods

URGENT For Your Review Please Call Upon Receipt Orig. To Follow By Mail

Signal Conduit For Spectroam/Arroyo Intersection

4/13/99 - Discussed with John -
He does not foresee this
intersection being signalized
in the future, therefore no
facilities for same need to be installed
JEP

FROM: Ken Roloff

SENT BY: _____ TIME: _____ DATE: _____

If you had any problems receiving the Facsimile Transmittal, please contact the individual listed above at (214) 871-3311. Thank you.

3131 McKinney Avenue, - Suite 600 - Dallas, Texas 75204-2489 • (214) 871-3311 • FAX (214) 871-0737

MATCH LINE STA. 55+00

STA. 56+76.73 ARAPAHO RD.:
19+22.03 SPECTRUM DR.

PAV. STA. 55+89.81
6" REC. INLET
T.C. 620.65
F.L. 616.65

Double 4" Conduits

P.U. Run (P.B.)

4" Conduits

FUTURE EXTENSION
OF SPECTRUM DRIVE

57+50

1/8" / 1" CROSS
SLOPE
SLOPE
TRANSITION
NORTH & SOUTH

6" MONO. CONC.
CURB (TYP.)

55+75.5.0' LT.
STREET LIGHT
FOUNDATION

EXP. JOINT
MONOLITHIC
MEDIAN NOSE
(TYP)

EXPANSION
JOINT

57+75.5.0' RT.
STREET LIGHT
FOUNDATION

10" 850 PSI FLEX. REINF.
6" LINE STAB. SUBGRAD.
(TYP.)

T.C. 622.85

T.C. 621.80

T.C. 620.80

PVMT 619.53

NOSE T.C.
619.20

T.C. 619.12

T.C. 622.77

T.C. 621.81

N 89°46'23" E

T.C. 620.81

NOSE T.C.
620.06

PVMT 619.26

PVMT 619.05

T.C. 619.20

T.C. 618.99

GRAVEL
DRIVE

55+35.99
C.R.

55+65.99
C.R.

55+95.27
C.R.

56+25.25
C.R.

57+33.84
C.R.

58+03.08
C.R.

BARRIER FREE
CURB (TYP)

EXP. JOINT

BARRIER
FREE CURB
(TYP)

EXPANSION
JOINT

T.C. 621.80

T.C. 621.30

PAV. STA. 57+66.31
6" REC. INLET
T.C. 618.75
F.L. 614.75

PAV. STA. 56+10.5

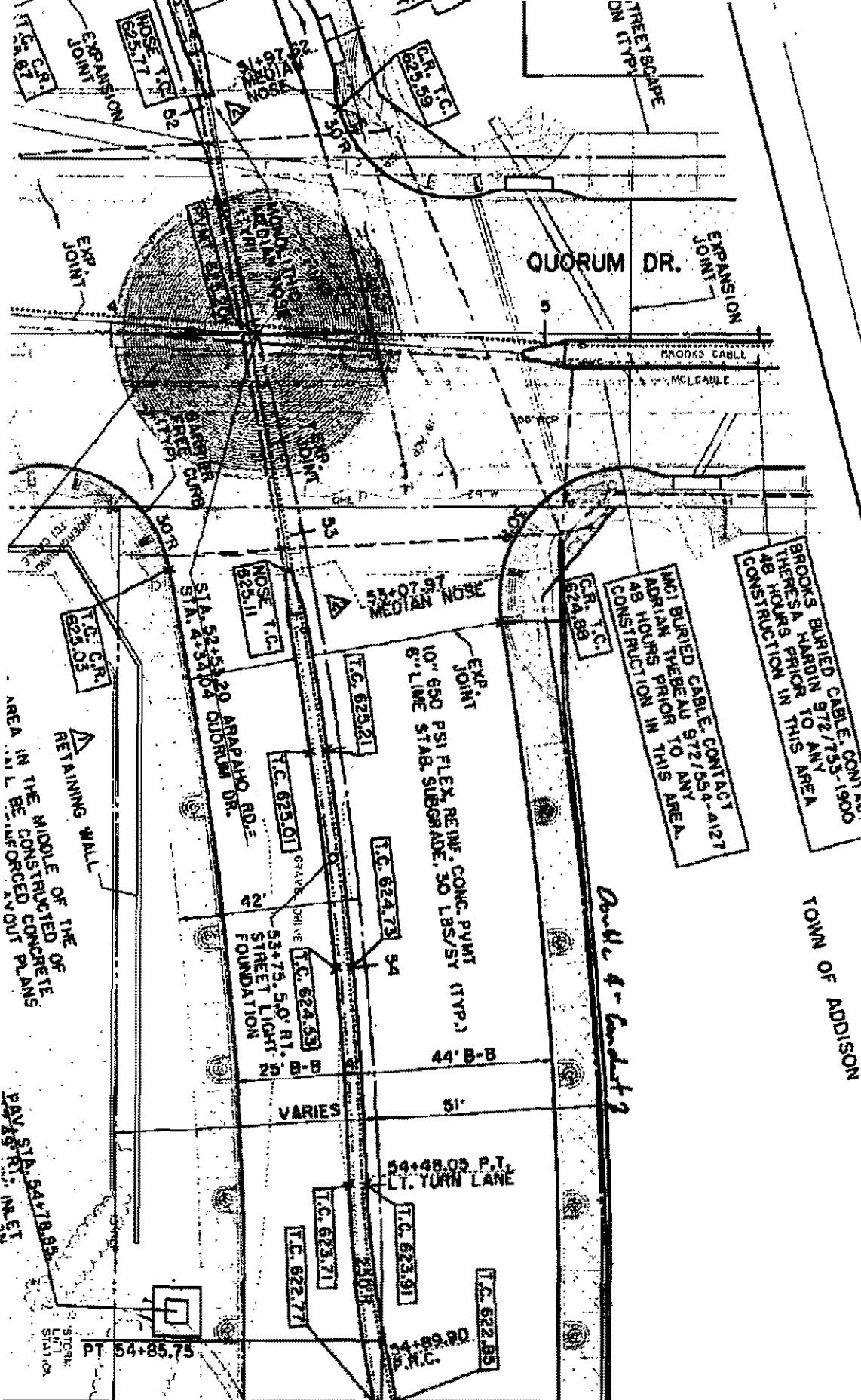
TRUM DR.

00°11'10" W

CROSSWALKS TO BE
CONSTRUCTED OF

BY AND
FL. 12' 21"
610.05

1" = 10' HORIZ. SCALE



BROOKS BURIED CABLE CONTACT
 HERE'S A HARDIN 972/755-1900
 48 HOURS PRIOR TO THIS AREA
 CONSTRUCTION IN THIS AREA

MCI BURIED CABLE CONTACT
 ADRIAN THERE AU 972/654-4127
 48 HOURS PRIOR TO THIS AREA
 CONSTRUCTION IN THIS AREA

TOWN OF ADDISON

Daulton & Landolt

RETAINING WALL
 AREA IN THE MIDDLE OF THE
 CONSTRUCTED CONCRETE
 WILL BE INCORPORATED
 INTO THE LAYOUT PLANS

MATCH LINE STA. 55+00

HUITT-ZOLIARS

Dallas • Fort Worth • Houston • El Paso • Phoenix • Tustin • Ontario • Albuquerque • Seattle • Tacoma • Denver

FACSIMILE TRANSMITTAL

Date: 4-13-99

Fax No.: 972-450-2837

H-Z Proj. No. 01-1772-01

No. of Pages: 6
(Including Cover Sheet)

TO: Jim Picca
Town of Addison
Public Works

URGENT For Your Review Please Call Upon Receipt Orig. To Follow By Mail

While going through my files today on Arapaho Road I came across this fax from the City of Dallas that that we both received in April 1998. It shows conduit and pull boxes at Arapaho Road and the Tollway that the City of Dallas wants installed. This information is not on our construction plans that were completed in October 1997. If this work has not been done yet, you should add it to Ed Belli's contract.

FROM: Ken Roberts

SENT BY: _____ TIME: _____ DATE: _____

If you had any problems receiving the Facsimile Transmittal, please contact the individual listed above at (214) 871-3311. Thank you.

**facsimile
TRANSMITTAL**

To: Ken Roberts, P.E.
Of: Huitt-Zollars
Fax: 214-670-0757
Pages: 4, including this cover sheet.
Date: April 17, 1998

Dear Mr. Roberts:

I spoke with Jim Pierce of Addison today and forwarded him a copy of the drawing showing where we would like pull boxes and conduit for Arapaho and Dallas Parkway. He asked me to also send a copy to you. I have also attached the the City of Dallas specifications for pull boxes.

If you have any questions, you can call either Mr. Pierce at (972) 450-2878 or myself at (214)670-7019.

From the desk of...

Jim Renaud
Engineer Assistant
City of Dallas
(214) 670-7018

2' OPENING FOR DRAINAGE

8" DIA. TWO-WAY
DUAL REFLECTIVE
PAVEMENT MARKERS
12" CENTERS (YELLOW)

U-TURN CLOSED

3-10' LANES

10' TURN LANE

3-10' LANES

NORTH TOLLWAY

LANE STRIPES
ON BRIDGE
TY 1W-C ON
5' CENTERS

N 87°35'37" E

49.5'

34.5'

B4' F-F

EX. EX.
20' F-F

PT 66+65.39

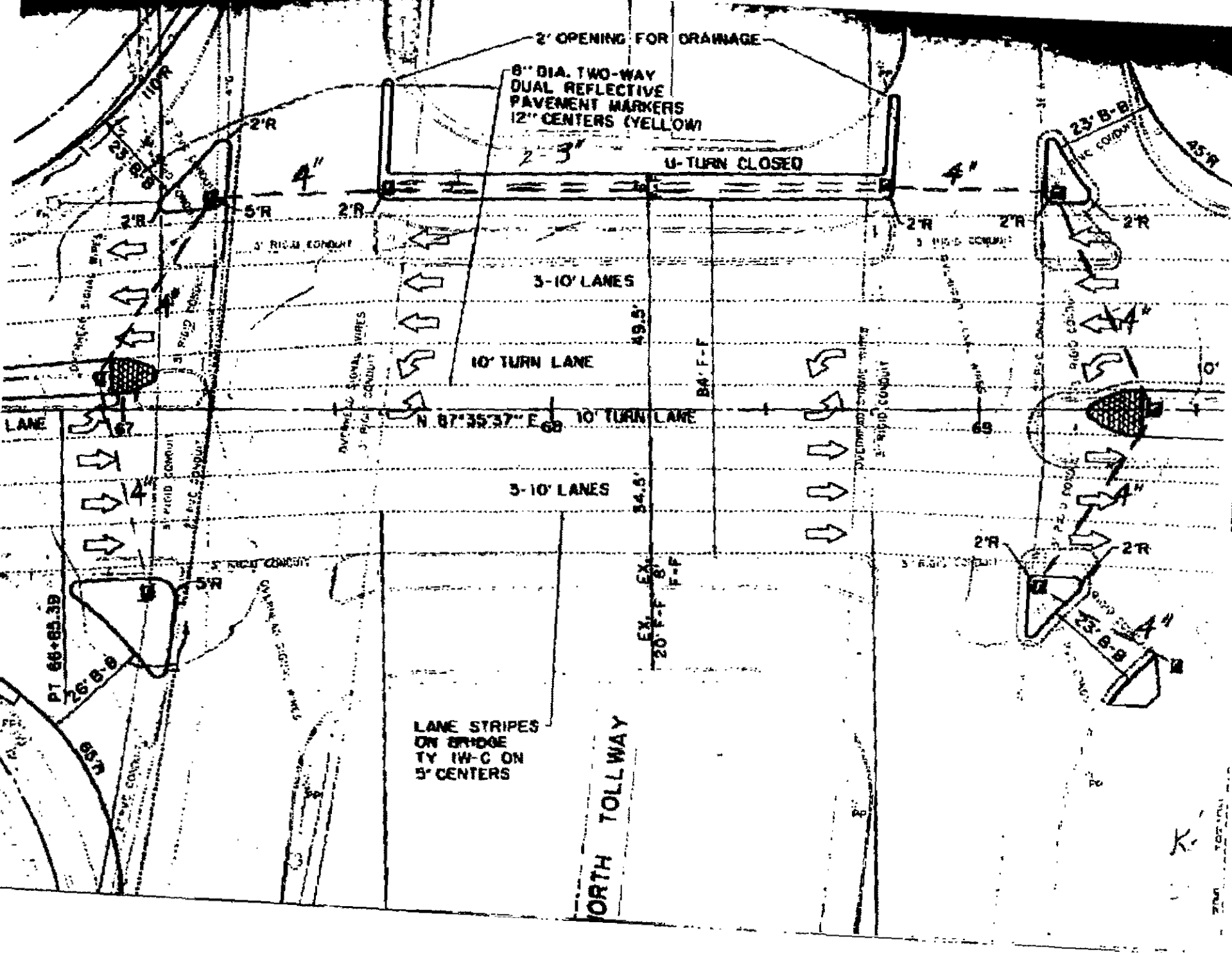
65.7'

23' B-B

45'R

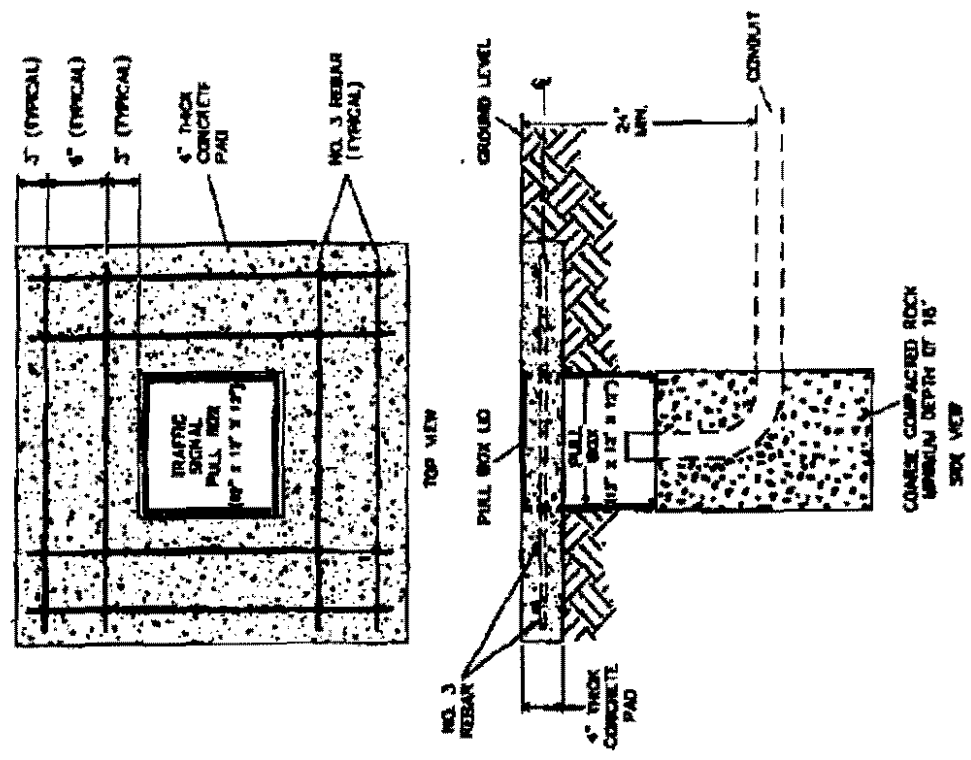
23' B-B

45'R



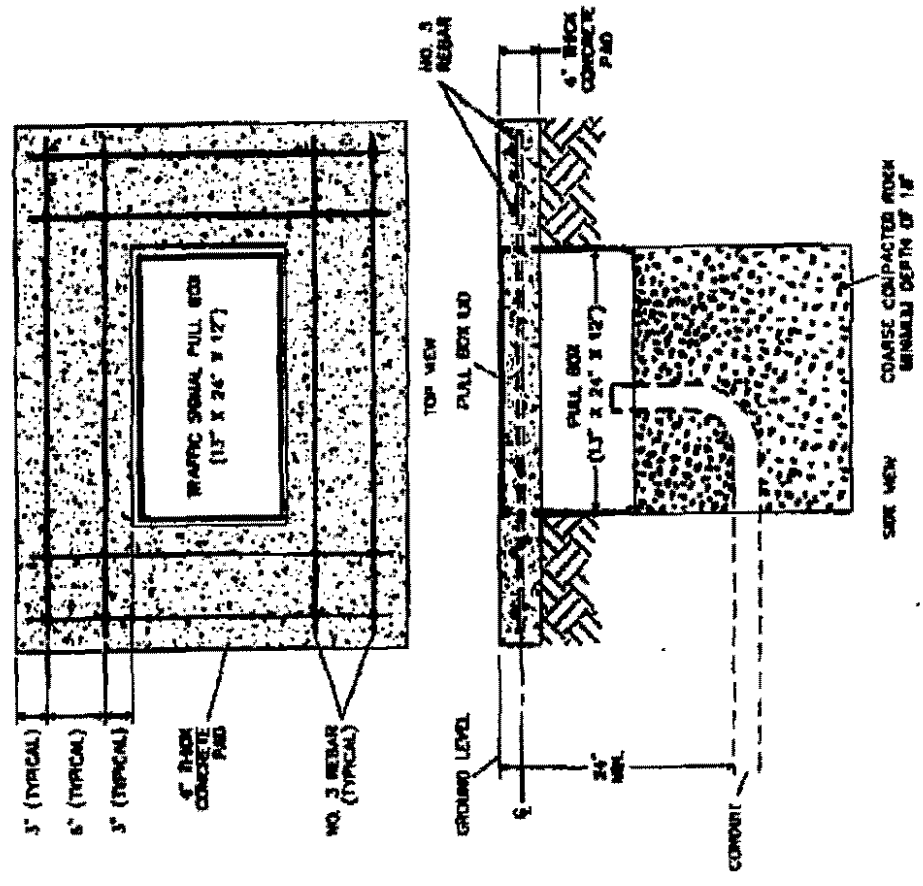
PULL BOX INSTALLATION DETAILS

DETAILS OF SMALL PULL BOX



NOTE:
 ALL CONCRETE SHALL BE OTHER CLASS A OR CLASS C
 AS DEFINED IN THE NORTH CENTRAL TEXAS COUNCIL OF
 GOVERNMENTS' STANDARD SPECIFICATIONS FOR PUBLIC
 WORKS CONSTRUCTION, 1998 7.4.3

DETAILS OF LARGE PULL BOX



CITY OF DALLAS
 DEPARTMENT OF PUBLIC WORKS
 AND TRANSPORTATION

1998 GENERAL SIGNAL CONSTRUCTION
 PRICE AGREEMENT SPECIFICATION

EXHIBIT K

**ITEM 208
PROCUREMENT AND INSTALLATION OF PULL BOXES**

208.1 INSTALLATION SPECIFICATIONS

- a) The Vendor will be responsible for installing the pull boxes in the field.
- b) The location of pull boxes shown on the Plans is approximate. The Vendor shall give the Engineer a minimum of 48 hours advance notice of his intention to establish the final pull box location. The location must be approved by the Engineer at the site prior to excavation.
- c) The concrete surface of the pull box apron shall be sprayed with membrane curing compound after the concrete finishing operation is completed and after the water has disappeared. The surface of the concrete shall be kept damp between the completion of the finishing operation and application of the curing compound. The curing compound shall be applied under pressure by means of a nozzle, at a rate not to exceed 200 sq. ft. per gallon. A minimum of 96 hours curing time shall be required.
- d) Refer to Exhibit K for further details on the installation of pull boxes.

208.2 MATERIAL SPECIFICATIONS

- a) Pull box covers shall be constructed of galvanized steel and their top surface shall have a minimum coefficient of friction of 0.5.
- b) The type "TRAFFIC SIGNAL" shall be imparted as an integral part of all pull box covers.
- c) All pull box covers shall be furnished with a locking mechanism to prevent access to the pull box without the use of tools.
- d) Pull boxes shall be stockable for eight height.
- e) Pull box enclosures shall be constructed of concrete, and when covered, shall meet AASHTO standard specifications for H20 loading (22,000 lbs. single-axle load over a 10' x 10' area). Enclosures and covers shall be rated for a minimum of 5000 lbs strength over a 10' x 10' area.
- f) All components shall be designed and tested to withstand temperatures as low as -20°F.
- g) Small pull boxes shall be 12" wide by 12" deep. Large pull boxes shall be 12" wide by 24" long by 12" deep.
- h) The curing compound for the concrete apron shall be of the membrane type with ASTM designation C 309 Type 2.
- i) Refer to Exhibit K for details on the type of concrete and rebar to use in constructing pull box aprons.

208.3 METHOD OF PAYMENT

Payment for this item will include the cost of:

- a) site excavation work,
- b) properly disposing or excavated material,
- c) providing the concrete, curing compound and rebar for the apron around the pull box,
- d) constructing the apron around the pull box and
- e) procuring the pull box and installing it at the job site.

Unit of payment: EACH

208.4 CONSTRUCTION TIME/LIMIT

Cover works under this item shall be completed by the Vendor within a time limit of 48 working days to procure the pull box and associated materials and working day per pull box for its installation.

Q CURVE DATA
 Δ 01° 58' 28"
 R 1000.00'
 T 18.94'
 L 33.87'

TRANSITION
 10' MAIN L
 TO 11' MAIN

ARROWS INDICATE
 TRAFFIC MOVEMENTS
 SEE STRIPING PLANS
 FOR ADVISORY MARKER
 LOCATIONS.

2' OPENING FOR DRAINAGE

8" DIA. TWO-WAY
 DUAL REFLECTIVE
 PAVEMENT MARKER
 12" CENTERS (YELLOW)

U-TURN CLOSED

ARAPAHO ROAD

DALLAS NORTH TOLLWAY

LANE STRIPES
 ON BRIDGE
 11'-0" ON
 4' CENTERS

DASHED LINES INDICATE
 LANES OF TRAFFIC. SEE
 STRIPING PLANS FOR
 LANE STRIPING.

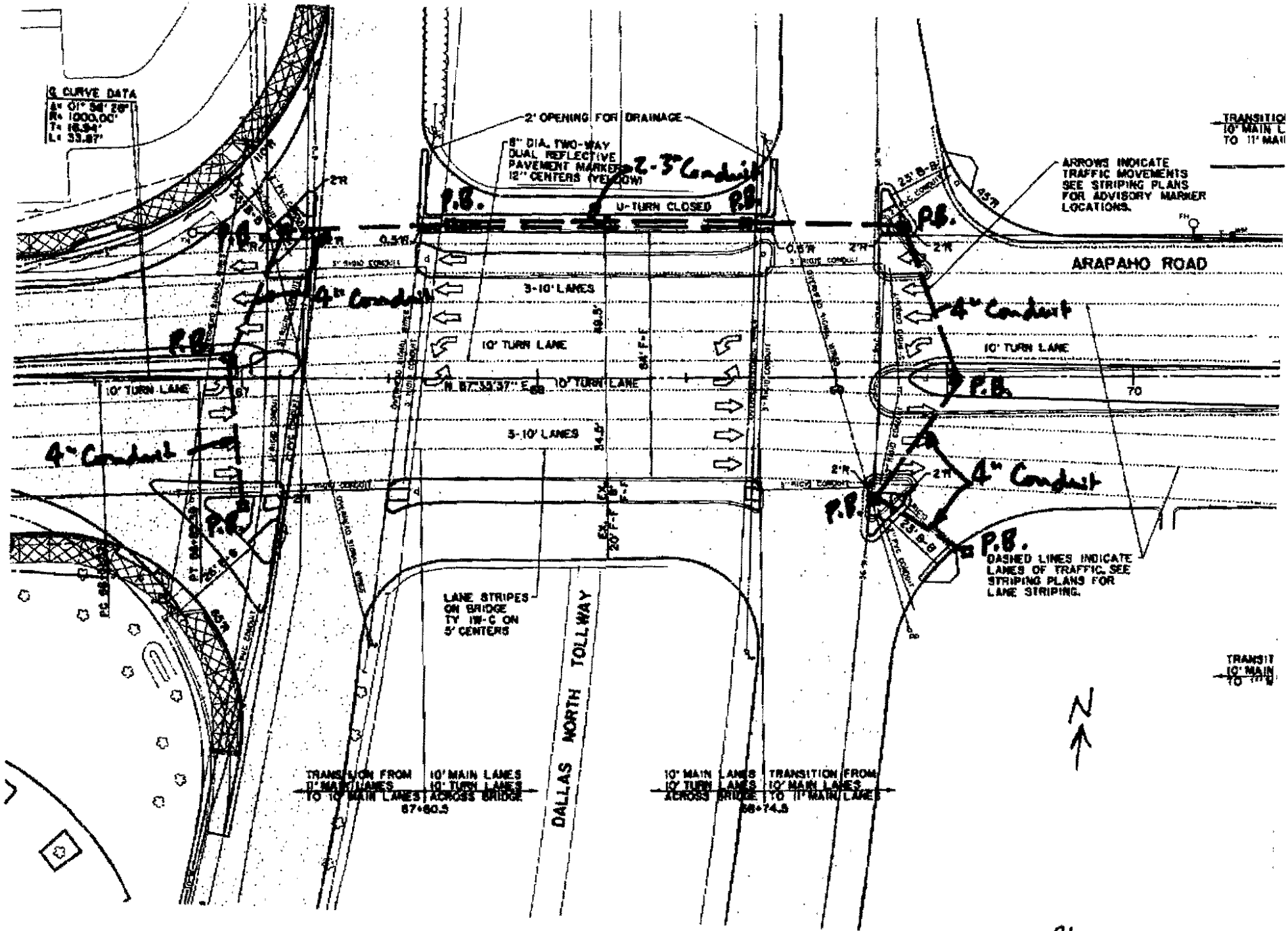
TRANSITION FROM
 10' MAIN LANES
 TO 10' TURN LANES
 ACROSS BRIDGE
 87+60.5

TRANSITION FROM
 10' MAIN LANES
 TO 10' MAIN LANES
 ACROSS BRIDGE
 88+74.5

TRANSITION
 10' MAIN
 TO 11' MAIN



Plan P-19



Kenneth Hays

4-12-7

DART/OPNS 214-828-6733

Putting them out of SVC

Running short of Article

Possible Detour thru area

Supervisor will get
together with Pat



LETTER OF TRANSMITTAL

Public Works / Engineering

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

DATE	4-8-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	
	Clarification of Drawing	

TO Pat Rivera
Ed Bell Const

GENTLEMAN:

WE ARE SENDING YOU

- Shop Drawings
- Copy of letter

Attached

- Prints
- Change order

Under separate cover via _____ the following items:

- Plans
- Samples
- Specifications
- _____

COPIES	DATE	NO.	DESCRIPTION
3			Partial copy of sheet P-12

THESE ARE TRANSMITTED as checked below:

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

REMARKS

The "construct street light" leader was pointing to the wrong spot. See attached. Please advise Bobby Inmon when area is accessible to remove street light. Have Mel's electric extend the existing conduit feeding the existing light to the new light base.

COPY TO Robert Weber
Dave Wilde

SIGNED: [Signature]

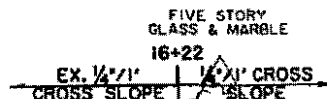
CARRAMERICA REALTY LIMITED PARTNERSHIP

17+50
1/4" / 1' CROSS | CROSS SLOPE /
SLOPE TRANSITION

6" THICK 650 PSI FLEX
REINF. CONC. DRIVE

6" DRIVE
Δ = 54°08'44"
R = 32.00'
T = 16.36'
L = 30.25'

BARRIER
FREE CURB
(TYP.)



EXISTING IRRIGATION
CONTACT BUILDING
MANAGEMENT SUITE 380
PRIOR TO DEMOLITION.

17+10.37' LT.
COMBINATION
SIDEWALK
RETAINING WALL

17+05.39' LT.
CONSTRUCT
STREET LIGHT
FOUNDATION

17+61.539' LT.
COMBINATION
SIDEWALK
RETAINING WALL

25' L.F.
LONGITUDINAL
BUTT JOINT

PAV. STA. 15+23.00
6" 14' REC. INLET
T.C. 623.20
F.L. 619.20

MATCH EX.
T.C. 622.44

MATCH EX.
T.C. 622.45

T.C. 622.00

PAV. STA. 17+69
6" 14' REC. INLET
T.C. 620.73
F.L. 616.73

T.C. 622.20

T.C. 621.55
T.C. 621.70

T.C. 621.15

6" DRIVE
Δ = 36°41'44"
R = 32.00'
T = 10.61'
L = 20.49'

T.C. 620.75

MATCH PVMT
AT EX. JOINT

LONGITUDINAL
BUTT JOINT

MATCH
EX. T.C.

MATCH
EX. T.C.

SPRINKLER
CONTROL
VALVE

55+66.98
T.C. 621.30

T.C. 621.30

EXP. JOINT

MONOLITHIC
MEDIAN NOSE
(TYP.)

EX. P.O.W.

SPECTRUM DR.

MATCH EX.
T.C. 622.70

T.C. 622.44

T.C. 621.84

T.C. 621.44

T.C. 620.69

T.C. 619.94

T.C. 619.9

NOSE T.C.
619.36

10" 650 PSI FLEX.
REINF. CONC. PVMT.
6" LIME STAB.
SUBGRADE (TYP.)

PROP. PVMT

BARRIER
FREE CURB
(TYP.)

LONGITUDINAL
BUTT JOINT

6" MONO. CONC.
CURB (TYP.)

T.C. 621.65

T.C. 621.35

17+55.43-57.42 RT.
P.R.C. RT. TURN LANE

PAV. STA. 18+36.35
6" 10' REC. INLET
T.C. 619.56
F.L. 615.56

18+03.08-42.00 RT.
P.T. RT. TURN LANE

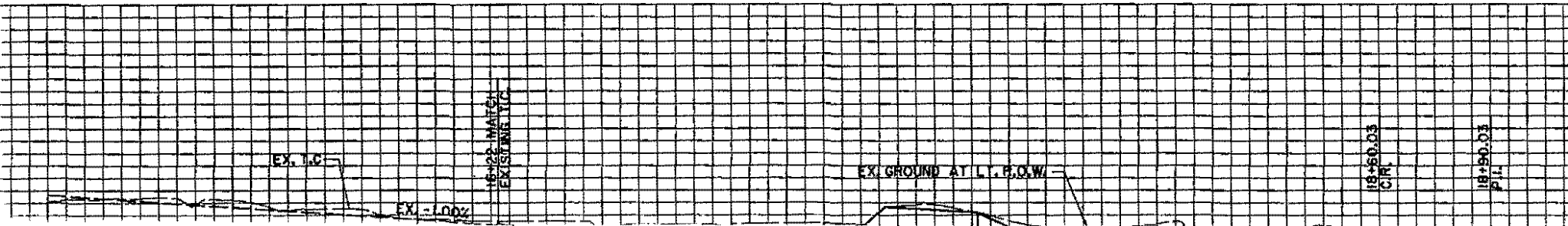
STA. 15+55
BEGIN SAWCUT

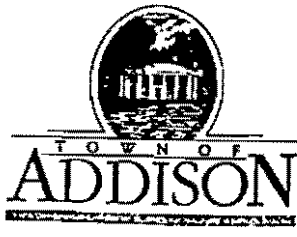
IRRIGATION IN EXISTING
MEDIAN CONTACT TOWN
OF ADDISON PRIOR TO
DEMOLITION.

STA. 16+22
UNDERCUT HEADER

COORDINATE DRIVEWAY
CONSTRUCTION WITH
DRIVE THRU BANK TO
INSURE CUSTOMER ACCESS

MEPC QUORUM PROPERTIES I INC.





PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

April 8, 1999

Mr. Robert D. Weber, Project Engineer
Ed Bell Construction
P.O. Box 540787
Dallas, TX 75354-0787

Re Arapaho Road -- Bollards

Dear Mr. Weber:

This is to respond to your letter of March 31, 1999 regarding the bollards.

For background, the plans called for shop drawings to be submitted for the bollards. Shop drawings were not submitted before a sample bollard was cast in the field. This bollard was rejected mainly because of the large number of voids in the finished product. At that time, MESA looked at the bollard and determined that clarifications were needed in the design. MESA made those clarifications, as well as some changes to the design, along with the names of 3 companies thought capable to precast for your consideration.

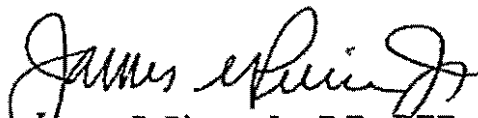
On March 24, 1999 we approved a shop drawing for the bollards. We see no need to pay an additional \$800.00 per bollard. If it would help, we would be willing to forego the rounded top and the $\frac{3}{4}$ " chamfer on all outside edges as long as the overall height is 3'-10".

Since the dimensions of the bollards are known, it would seem that the bollards could be "boxed out", allowing construction to continue.

Please call if you have any questions.

Very truly yours,

Town of Addison


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

cc: John Baumgartner, Director of Public Works
Slade Strickland, Director of Parks and Recreation

Dave Wilde
Pat Rivera

FAX (214) 352-3201

TELEPHONE (214) 358-8581

ED BELL CONSTRUCTION COMPANYPOST OFFICE BOX 540787
DALLAS, TEXAS 75354-078710605 HARRY HINES
DALLAS, TEXAS 75220

March 31, 1999

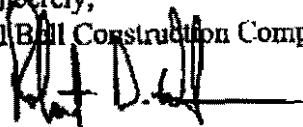
Mr. James C. Pierce, Jr., P.E.
Assistant City Engineer
Town of Addison
P.O. Box 144
Addison, Texas 75001Re: Arapaho Road Reconstruction
Addison Road to Dallas North Tollway
Town of Addison

Dear Mr. Pierce:

Our bollard subcontractor has reviewed the revised detail for the bollards designated for installation around the Quorum/Arapaho intersection. Based upon the modifications, they will need an additional \$800.00 per bollard making the new price \$3,500.00 per bollard. Once the decision regarding these bollards has been finalized, the bollard manufacturer will need a minimum of four weeks to manufacture a sample and make the full production run of 16 bollards.

The landscape improvements in all four corners of the Quorum/Arapaho intersection cannot be completed until the bollards have been installed. This portion of the project is on the critical path for completion of phases 1 and 2. Since we cannot progress this work, we request that all time charges stop until the bollard issue has been resolved.

If you have any questions regarding this issue, don't hesitate to contact our office.

Sincerely,
Ed Bell Construction Company
Robert D. Weber
Project Engineer

ED BELL CONSTRUCTION COMPANY
 P.O. BOX 540787
 DALLAS, TX 75354-0787

FACSIMILE TRANSMITTAL SHEET

TO: <i>Jim Pierce</i>	FROM: <i>Robert D. Weber</i>
COMPANY: <i>Town of Addison</i>	DATE: <i>1 Apr 99</i>
FAX NUMBER: <i>(972) 450-2837</i>	TOTAL NO. OF PAGES INCLUDING COVER: <i>2</i>
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS

Jim,

Here is our price for the ballard re-design.

Rob

(214) 358-6581 VOICE	(214) 352-3201 FAX
----------------------	--------------------

*cc Dave Wilde
Slade Strickland*

Arapaho Rd Const Meeting

4-1-99

✓ 1. Fire Hydrant on Quorum needs to be moved.

✓ 2. Pat - coordinate with Mels/TU re power supplies needed for pedestrian lights, streetlights, irrigation & Signals @ Quorum & Arapaho.

Other intersections that need power are Addison Rd & Edwin Lewis Dr.

✓ 3. Conflicts with Storm Sewer on Spectrum

SW Bell - Line C-2 - will raise line
SW Bell Conflict past lateral C-8

Conflict with Lot C-26? (ST-14)

Lot C-21 (ST-13) - Resolved?

✓ 4. Status of Sidewalk Const around DART

N on Quorum, westside -

wants to do both sides @ once

Taste Addison - May 15 & 16

5. Pavement Status
Summerfield Suite Driveway

Update Map

Strategy @ Spectrum & Edwin Lewis
Clear Rd - Sat, Sun?

1/2 ea
time

Traffic Control Plan

Time to Notify Businesses

✓ 6. JEP notified SWB of damaged lateral

✓ 7. Need to TV Sewer to verify OK

Connection to Manhole (inside) not satisfactory

* ✓ 8. Signage for intersection of Arapahoe & Spectrum

B.a. - JEP off Friday

9. Next Meeting - 2 weeks

10. Upcoming Work

Arapaho Rd. Const. Meeting

4-1-99

Sign In Sheet

<u>Name</u>	<u>Company</u>	<u>Phone</u>
Jim Freier	Addison	972-450-2879
J. K. ...	EP&B	214 5074916
Dave Wilde	Addison	972) 450-2847

Jim Pierce

From: Jim Pierce
Sent: Tuesday, March 30, 1999 10:48 AM
To: Dave Wilde
Subject: Arapaho Rd

Ben Bishop called and said his job had been "shut down" because hand operated compaction equip was being used. I told Ben he could use whatever equipment he wanted as long as compaction of 95% was being achieved. Jim.

HUITT-ZOLLARS, IN
3131 McKinney Avenue, Suite 600
DALLAS, TEXAS 75204

LETTER OF TRANSMITTAL

(214) 871-3311

DATE	3/29/99	JOB NO.	01-1772-01
ATTENTION	Jim Pierce		
RE:			

TO Town of Addison
P.O. Box 144
Addison, TX 75001

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order disk

COPIES	DATE	NO.	DESCRIPTION
1			Computer file of sheet D-3

THESE ARE TRANSMITTED as checked below:

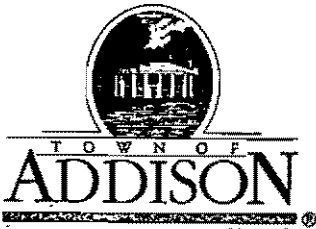
- For approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution
 As requested Returned for corrections Return _____ corrected prints
 For review and comment _____
 FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO File

SIGNED: Cheressa Smith

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



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

March 30, 1999

Mr. Robert D. Weber, Project Engineer
Ed Bell Construction
P.O. Box 540787
Dallas, TX 75354-0787

Re: Arapaho Road Signalization Improvements

Dear Mr. Weber:

In my letter of October 14, 1998, the quantities for Items 438 and 439 (as well as others) were reduced. This is to further reduce Items 438 and 439 as follows:

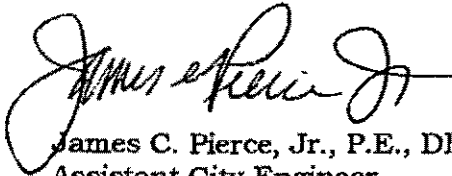
1. Reduce Item 438 from 1 to 0 (install personal portable PC)
2. Reduce Item 439 from 1 to 0 (furnish personal portable PC)

The Town has determined that it does not have a need for these items.

Please give me a call if you have any questions.

Very truly yours,

Town of Addison



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

Cc: Charles Mitchell, Signal Technician
Dave Wilde, Public Works Inspector
Pat Rivera, Superintendent



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010

16801 Westgrove

October 14, 1998

Mr. Robert D. Weber, Project Engineer
Ed Bell Construction
P.O. Box 540787
Dallas, TX 75354-0787

Re: Arapaho Road Signalization Improvements

Dear Mr. Weber:

This is to reduce the following signalization quantities for this project:

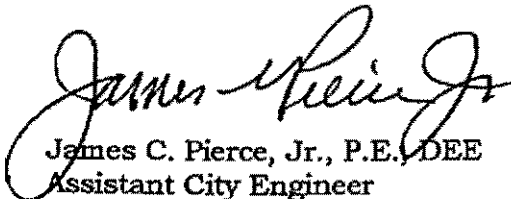
1. Reduce Item 438 from 3 to 1 (install personal portable PC)
2. Reduce Item 439 from 3 to 1 (furnish personal portable PC)
3. Reduce Item 442 from 3 to zero (furnish TV monitor)
4. Reduce Item 443 from 3 to zero (install TV monitor)

Additionally, there is a lump sum of \$15,000 (Item 445) that is for adjusting traffic signals during construction at the intersection of Arapaho Road and the Toll Road. This item most likely will not be used, as the signals at that intersection belong to the City of Dallas, and the Town is in the process of making an interlocal agreement with Dallas that states Dallas will make the signal adjustments

Please give me a call if you have any questions.

Very truly yours,

Town of Addison



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

cc: John Baumgartner, Director of Public Works
Charles Mitchell, Signal Technician
Dave Wilde, Public Works Inspector



FACSIMILE TRANSMITTAL COVER

DATE: FEB 17 '99

TIME:

FROM: DOUGLAS HARVEY

PLEASE DELIVER THE FOLLOWING TRANSMITTAL TO:

NAME: JIM PIERCE
BLADE STRICKLAND.
PROJECT # 97018

FIRM: CITY OF ADDISON

FAX # 972 - 450 - 2834

PROJECT NAME: ARAPAHO STREETSCAPE PHONE #

PROJECT
LOCATION: ADDISON

MATERIALS FAXED: DETAIL OF CONCRETE BOLLARD.

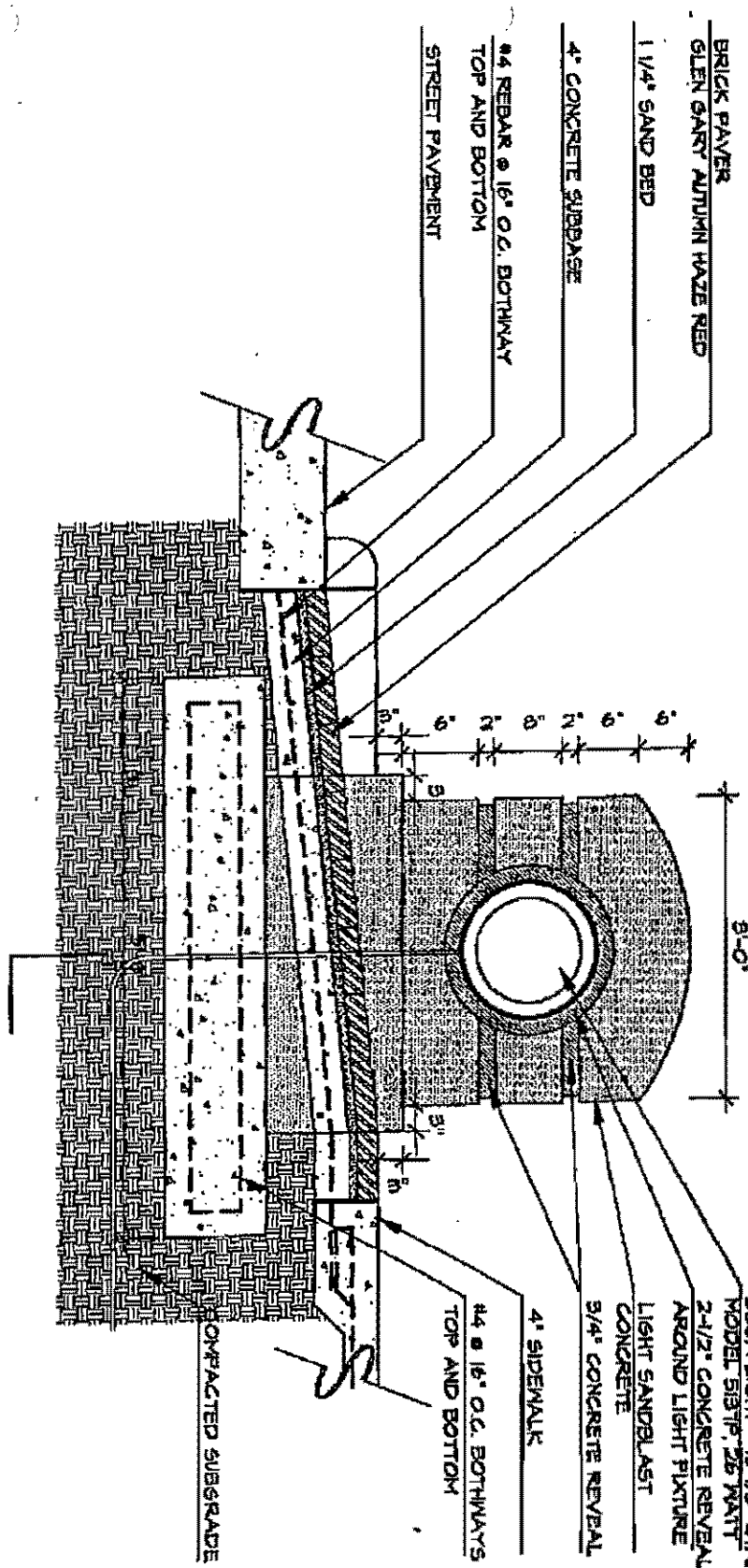
COMMENTS: FOLLOWING ARE THE REVISED DETAIL ~~DRAWINGS~~
DRAWINGS FOR THE BOLLARDS & LIGHTS ON
THE ADDISON STREETSCAPE PROJECT. PLEASE
CALL IF YOU HAVE ANY QUESTIONS. THANKS.
There are pages including cover letter. Please respond if all pages are not received.

Original to follow via mail

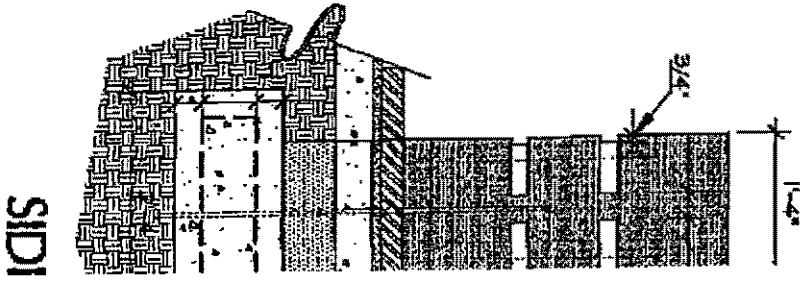
No original to follow

cc Pat Rivera ✓
Dave Wilde ✓

Landscape Architecture



CENTER CUT



ELEVATION

NOTE: ALL CORNERS TO HAVE 1/2" RADIUS
 BOLLARDS TO BE PRECAST CONCRETE, SANDBLAST FINISH,
 WITH COLOR TO MATCH SIDEWALK
 JUNCTION BOX FOR LIGHT FIXTURE TO BE CAST INTO BOLLARD

B CUSTOM CONCRETE BOLLARD
 2 1/4" x 11" x 11"

BEGA LIGHT - 16 1/8" D.I.A.
MODEL 5137F, 26" HX11"

2-1/2" CONCRETE REVEAL
AROUND LIGHT FIXTURE

LIGHT SANDBLAST
CONCRETE

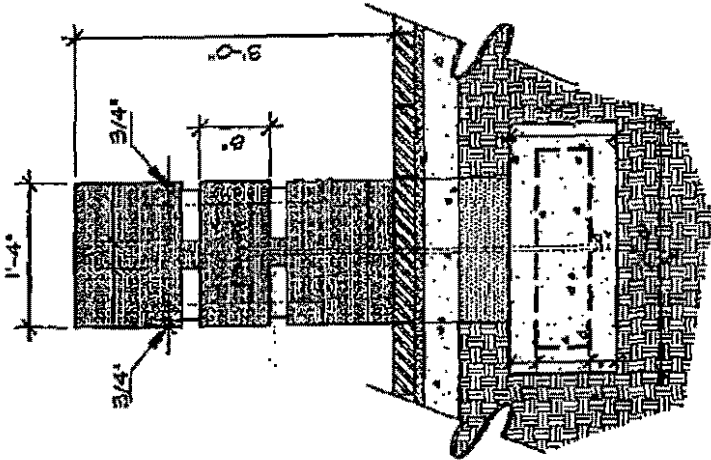
3/4" CONCRETE REVEAL

4" SIDEWALK

#4 @ 16" O.C. BOTHWAYS
TOP AND BOTTOM

5"

COMPACTED SUBGRADE



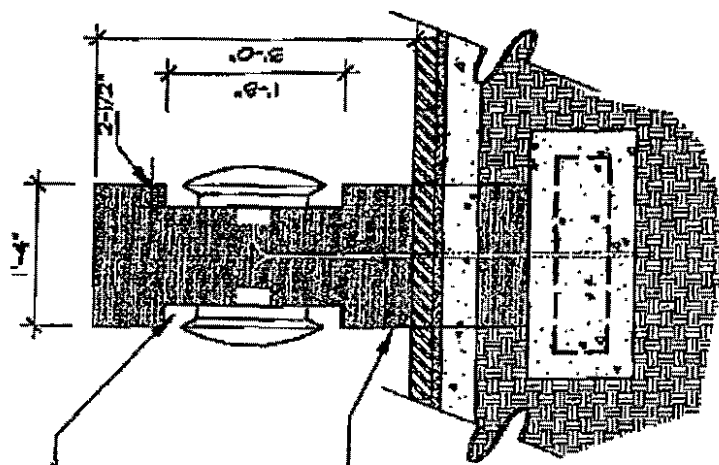
SIDE ELEVATION

TION

ALL CORNERS TO HAVE 1/2" RADIUS
BOLLARDS TO BE PRECAST CONCRETE, SANDBLAST FINISH,
WITH COLOR TO MATCH SIDEWALK
JUNCTION BOX FOR LIGHT FIXTURE TO BE CAST INTO BOLLARD

CUSTOM CONCRETE BOLLARD

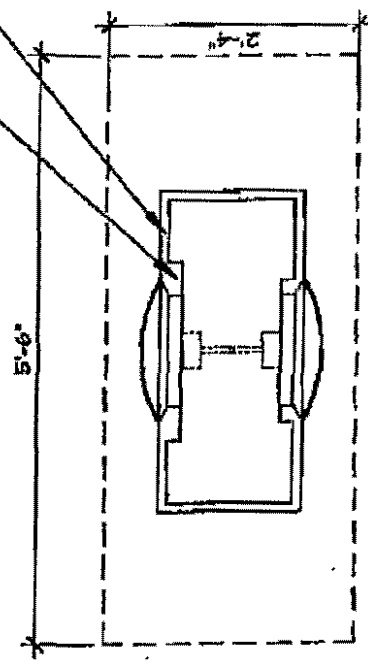
3/4"=1'-0"



2-1/2" CONCRETE REVEAL
AROUND LIGHT FIXTURE

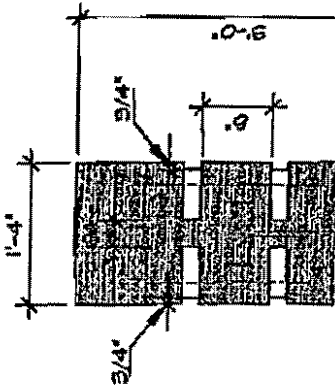
3/4" CONCRETE REVEAL

BOLLARD BASE



PLAN

CENTER CUT SECTION



BEGA LIGHT - 16 1/8" DIA.
MODEL 5157P, 26" MATT

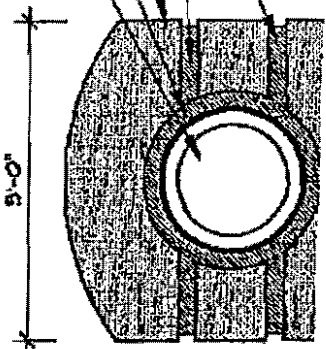
2-1/2" CONCRETE REVEAL
AROUND LIGHT FIXTURE

LIGHT SANDELAST
CONCRETE

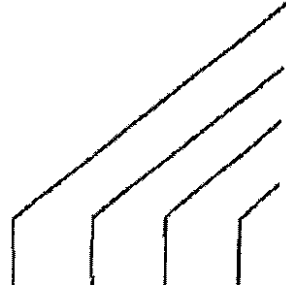
3/4" CONCRETE REVEAL

4" SIDEWALK

#4 @ 16" O.C. BOTHWAYS
/ TOP AND BOTTOM



2'-0"
2'-0"
2'-0"
2'-0"
2'-0"
2'-0"
2'-0"
2'-0"



TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To:  _____

From: James C. Pierce, Jr., P.E., DEE

Assistant City Engineer

Phone: 972/450-2879

FAX: 972/450-2834

C:  INC. _____

FAX #: 972-488-8080

Date: 3-23-99

16801 Westgrove

P.O. Box 9010

Addison, TX 75001-9010

of pages (including cover): 3

Re: Arapaho Rd Project

Original in mail

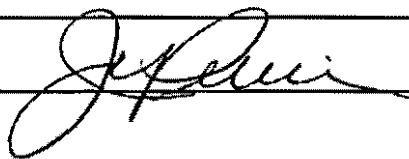
Per your request

FYI

Call me

Comments:

Please note corrections in mix specifications for Lattimore supplied concrete. Please change your records accordingly.



cc Pat Rivera

Dave Wilde

Faxed

TOWN OF
ADDISON

PUBLIC WORKS

To: Tim Beidelman

From: James C. Pierce, Jr., P.E., DEE

Company: SW Bell

Assistant City Engineer

Phone: 972/450-2879

FAX: 972/450-2834

FAX #: 972-234-7062

Date: 3-18-99

16801 Westgrove

P.O. Box 9010

Addison, TX 75001-9010

of pages (including cover): 2

Re: Arapaho Road

Original in mail

Per your request

FYI

Call me

Comments: Ed Bell CMst has informed me that

Mastec has damaged storm sewer lateral

C-12 (see attached) during their recent work.

Ed Bell will repair this damage when installing

the new inlet and will bill SW Bell for the

cost.

The sanitary sewer may have also

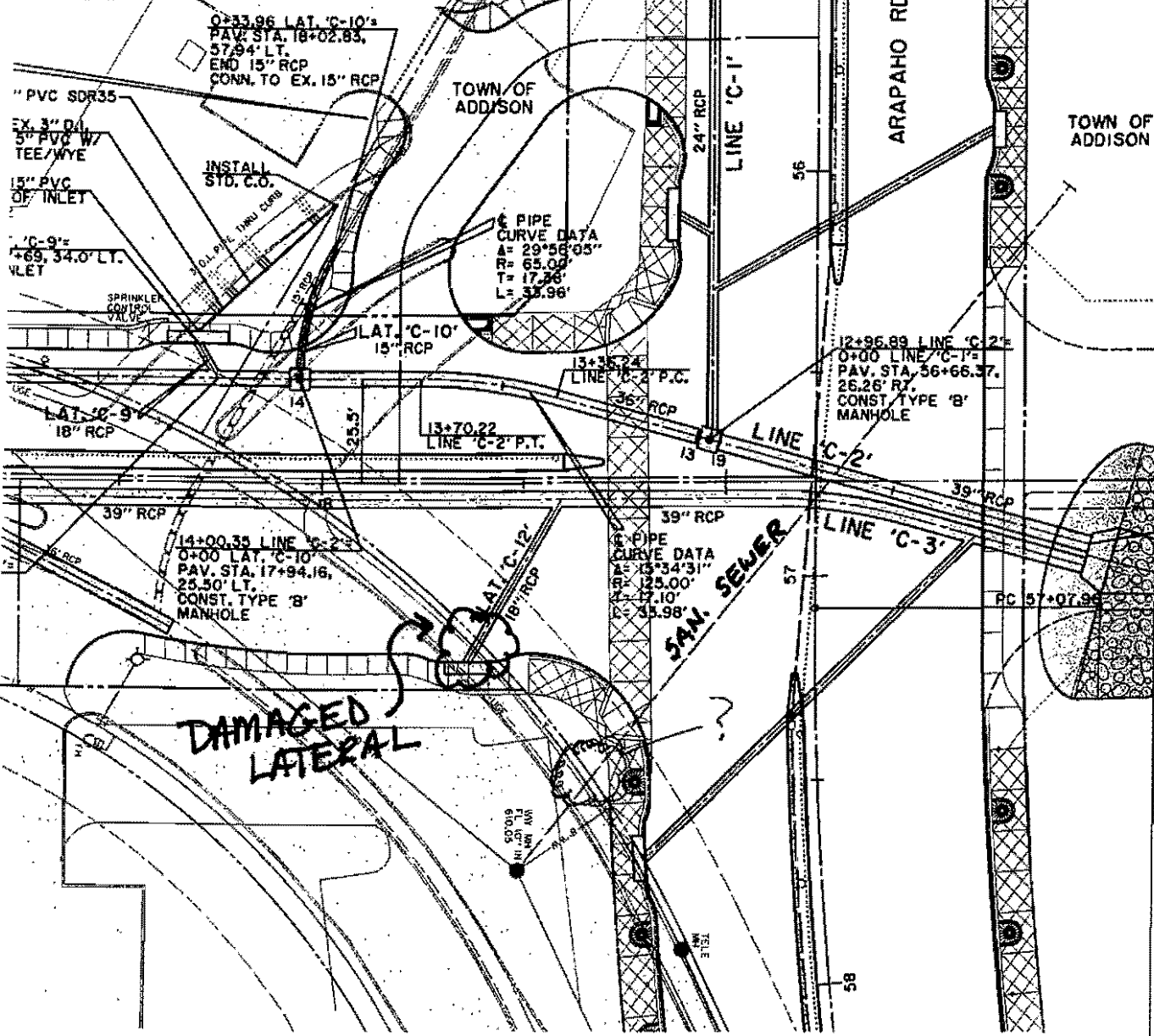
been damaged. We will TV the sewer to

verify.

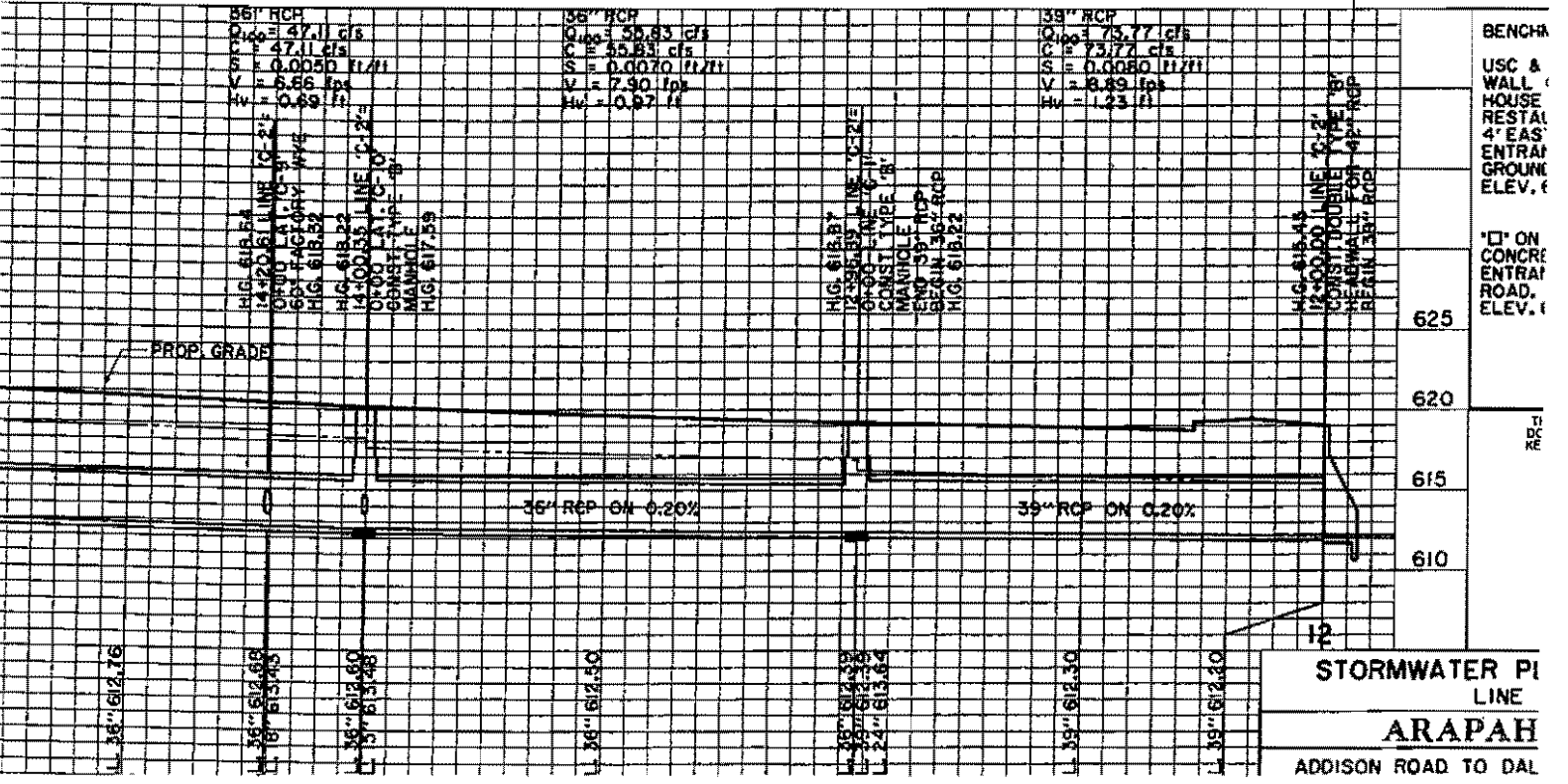
Jim

cc Pat Rivera

Dave Wilde



- ELECTRIC ---E---
- ☉ LIGHT POLE
- PP POWER POLE
- GUY WIRE
- TELEPHONE ---T---
- ☉ TELEPHONE MANHO.
- ☉ TELEPHONE PEDEST
- TS TELEPHONE SIGN
- GAS ---G---
- GM GAS METER
- GS GAS SIGN
- LAND USE
- RR RAILROAD SIGN
- ▽ SIGN
- SR SURVEY
- LI FOUND IRON ROD
- TEMP BENCHMARK
- WASTEWATER ---WW---
- WW WASTEWATER MANH.
- CLEANOUT



Arupaho Rd Const Meeting

3-18-99

- ✓ 1. Status of work in front of Carr America
 - a. SW Bell — Don't know 95-98% complete
Lateral C-12 was ripped through
 - b. Storm Sewer — Mon or Tues Start
- ✓ 2. Status of sidewalk const —
Around DART along Arupaho
N. on Quorum on West Side

Scoring sidewalks — Put on Hold
for lack of supervision
- ✓ 3. JEP off tomorrow
- ✓ 4. Status of Signal pole construction
- ✓ 5. Potholes status
- ✓ 6. Start planning for const @ Spectrum
& Edwin Lewis —
Close Road? How long? When?

Need Traffic control Plan

Need Businesses Notification

- ✓ 7. One cylinder tests on Sidewalks, tree wells taken?
- ✓ 8. Sloping bank @ Colonnade -
Schedule ASAP
- ✓ 9. Still need price for 24 station irrigation controller. ASAP
- ✓ 10. Need caps on signal pole @ Addison Rd
- ✓ 11. Price for moving hydrant & price for converting inlet to storm MIT have been approved.
- ✓ 12. DART use of Quorum Driveway - Status?
- ✓ 13. Traffic switch went well
- ✓ 14. Copy of Conduit & pull boxes needed @ Arapaho @ Toll Rd given to Pat Rivera. (Previously sent to R. Weber 8-3-98)

✓ 15. Confirm that specs require wet paving machines (push machines not allowed) for paving work.

✓ 16. Taste Addison - May 15 & 16 - Sat & Sun

Quorum will be closed from ELD to the Circle.

Would like sidewalk completed entirely on west side of Quorum Drive. East side would be a plus.

✓ 17. Related Issue - Instln of storm sewer on Spectrum & closure of Spectrum & Edwin Lewis Drive (ELD) for sewer installation & pavement repair.

Traffic control plan needed

Business Notification

Night work?

Partial closure?

Taste Addison
Close Spect. & ELD
upcoming work
next meeting

18. Upcoming work - paving Phase II
Storm Sewer

19. Meeting 2 weeks - April 1 @ 10AM

cc Pat ✓
Dave ✓

Arapaho Rd Const Meeting

3-18-99

<u>Name</u>	<u>Company</u>	<u>Phone</u>
Jim Preice	Addison	972-450-2879
J.P. Rins	ED Bell	214-507-4914
DAVE WILDE	Addison	972) 450-2847/2837

SCALE IN FEET

ADDISON RD.

DALLAS AREA

REMOVE INLET,
18" RCP LATERAL
& 24" RCP PIPE

SAWED
BREAKOUT
GROOVE

ONE STORY BRICK
REMOVE
LIGHT &
DELIVER
TO DART

THREE STORY BRICK
REMOVE
CONCRETE
PAVEMENT

BUILDING AND
FOUNDATION TO
BE REMOVED BY
DART

SALVAGE
BRICK PAVEMENT
FOR REUSE

REMOVE FIRE
HYDRANT &
DELIVER TO
TOWN
16801 WESTGROVE

SALVAGE
BRICK PAVERS
FOR REUSE

STEEL SIGN TO
BE RELOCATED
BY OTHERS

BC 40+01.47

820' R.

REMOVE FIRE
HYDRANT &
DELIVER TO
TOWN
16801 WESTGROVE

REMOVE INLET
DO NOT PLUG PIPE

SALVAGE
BRICK PAVERS
FOR REUSE

SAWED
BREAKOUT
GROOVE

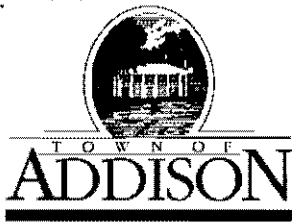
REMOVE 18" RCP
LATERAL & PLUG
PIPE NEAR MAIN

THREE STORY
GLASS & MARBLE

H:\PROJ\177201\DWG\177201.DWG
Wed Mar 25 11:41:08 1998
F:\PLOT\177201\177201.plt

PRF ROTATION=90.000000
F:\V\N\MILLER.TEL

1,36,41,42,46,51-54,56,57,60,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000



LETTER OF TRANSMITTAL

Public Works / Engineering

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

DATE	1-27-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	

TO Robert Weber
Ed Bell Const.

GENTLEMAN:

WE ARE SENDING YOU

- Shop Drawings
- Copy of letter

Attached

Prints

Change order

Under separate cover via _____ the following items:

Plans

Samples

Specifications

COPIES	DATE	NO.	DESCRIPTION
3			Quorum Drive North of Arapaho showing an existing fire hydrant that needs to be moved to eliminate a conflict with a tree well.

THESE ARE TRANSMITTED as checked below:

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

REMARKS

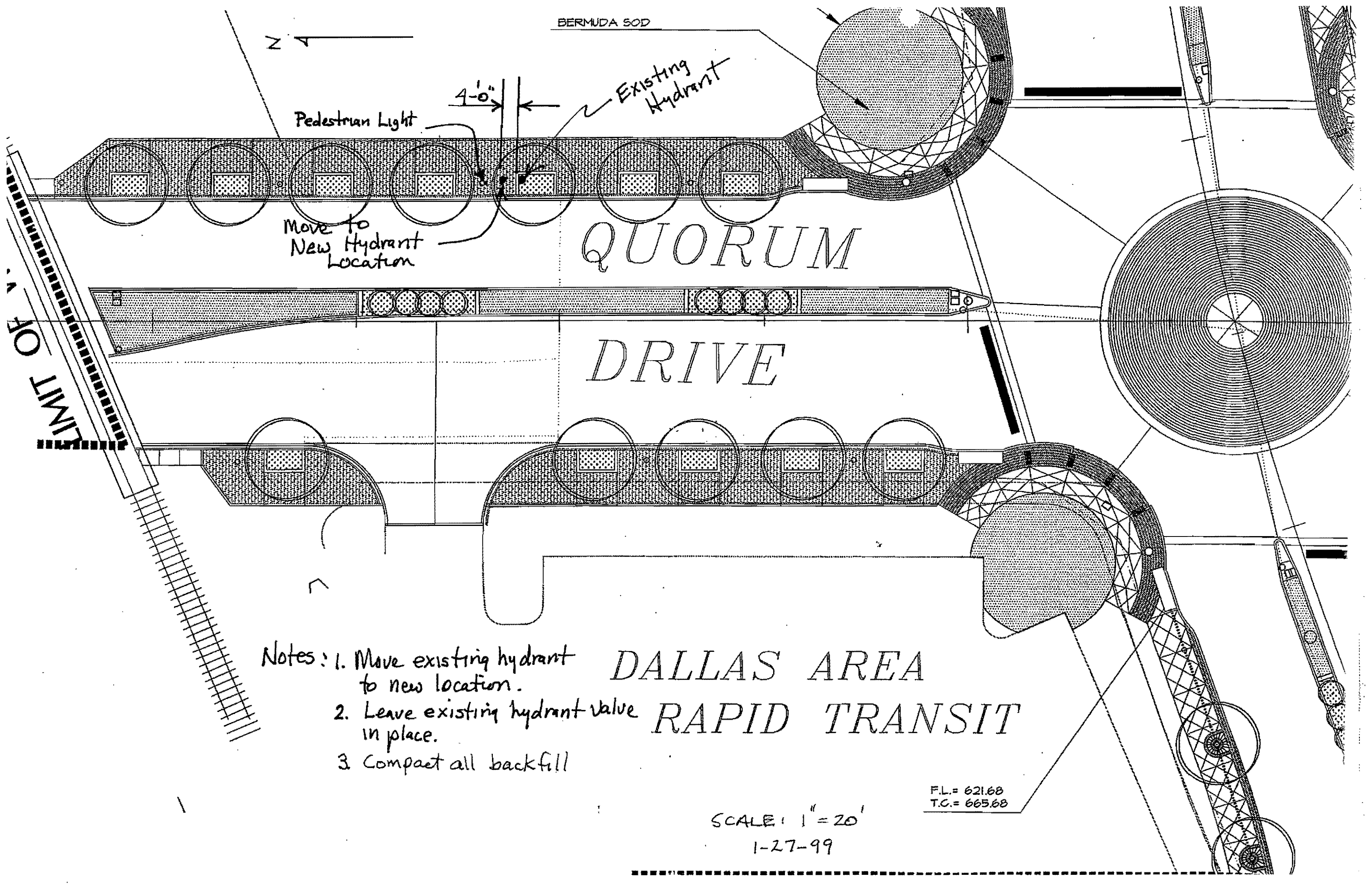
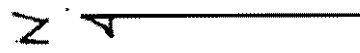
Please furnish a cost proposal to move the hydrant. The closest thing we have as a pay item is Item 307, Furnish & Install fire hydrant @ \$2,000 each. Please give this your prompt attention.

Thanks,

COPY TO Pat Rivera
Dave Wilde

SIGNED: Jim Pleui

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



Pedestrian Light

Existing Hydrant

Move to New Hydrant Location

QUORUM

DRIVE

- Notes:
1. Move existing hydrant to new location.
 2. Leave existing hydrant valve in place.
 3. Compact all backfill

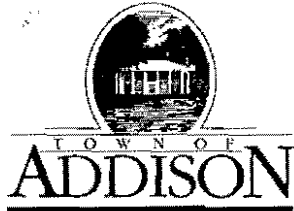
DALLAS AREA

RAPID TRANSIT

F.L. = 621.68
T.C. = 665.68

SCALE: 1" = 20'

1-27-99



LETTER OF TRANSMITTAL

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

DATE	1-28-99	JOB NO.
ATTENTION		
RE:	Arapaho Rd	

TO Pat Rivera
Ed Bell Const

GENTLEMAN:

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

COPIES	DATE	NO.	DESCRIPTION
1			Plan & profile of 24" water main and 66" storm sewer, Quorum Drive, North of Arapaho.

THESE ARE TRANSMITTED as checked below:

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

REMARKS Also shows hydrant to be moved

COPY TO _____

SIGNED: Jeffrey
Hydrant to be moved by

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

NOTE: This headwall location may be adjusted in field as conditions dictate to coincide w/ exist. ditch ft. location must be app'd by Engr.

SEE NOTE NO. 1 @ RIGHT - SEE DETAIL "B" ALSO, THIS SHT.

LAT. A-1 84 L.F. - 24" RCP @ 5.26%

Typ "X" Inlet TOP EI. 624.0 Oprng. 623.0 R.E. EI. 614.0

60" R.C.P. @ 1.25% For Profile, see Sht.

125 L.F. - 12" San. Sewer

Install 24" Water Main R.C.C.P., see details min. 6' cover, typ

Sta 6+00± 24" Valve, see specs 6" Flanged Outlet 6"-90° Bend 6" Valve Fire Hydrant

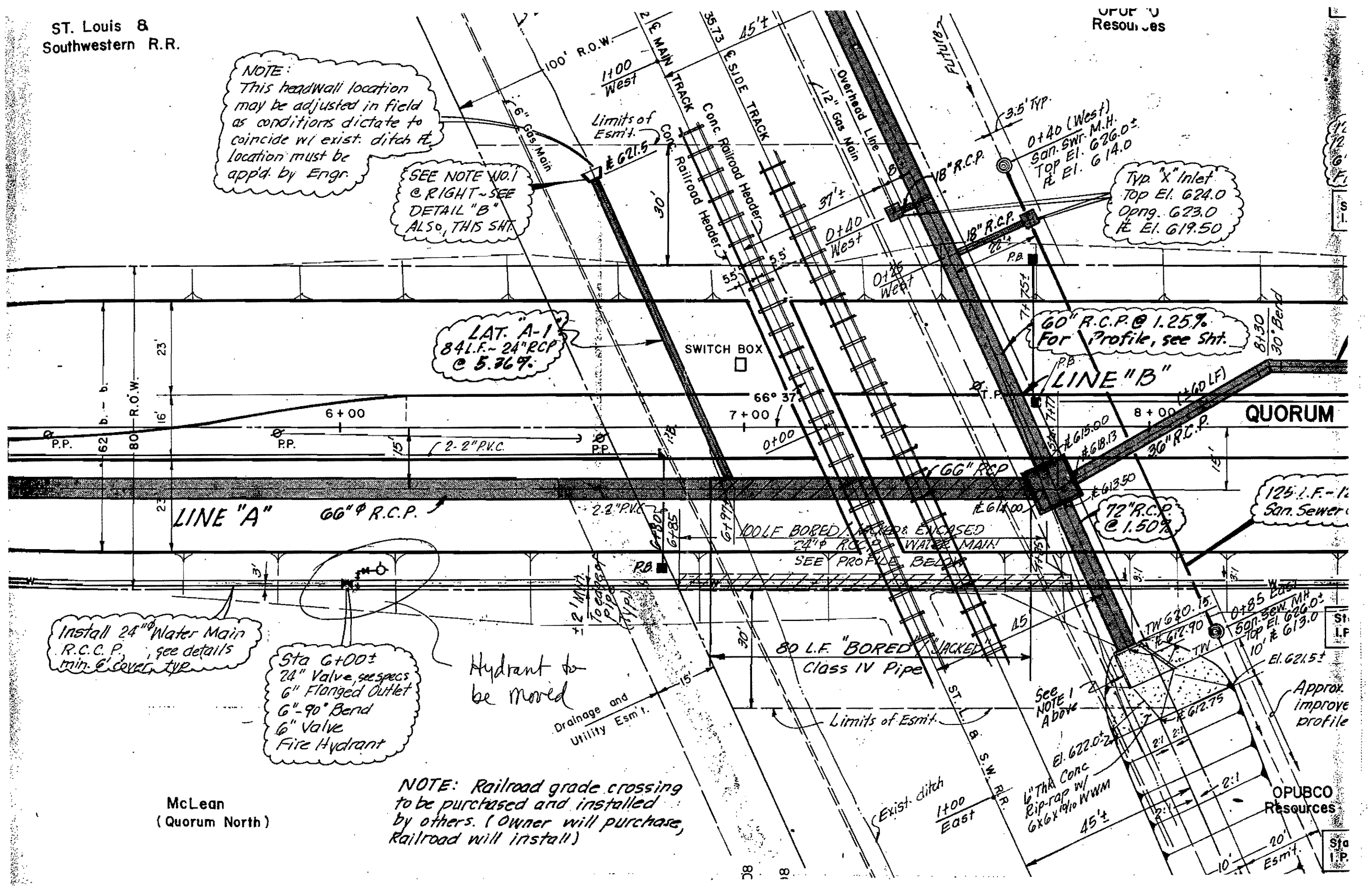
Hydrant to be moved

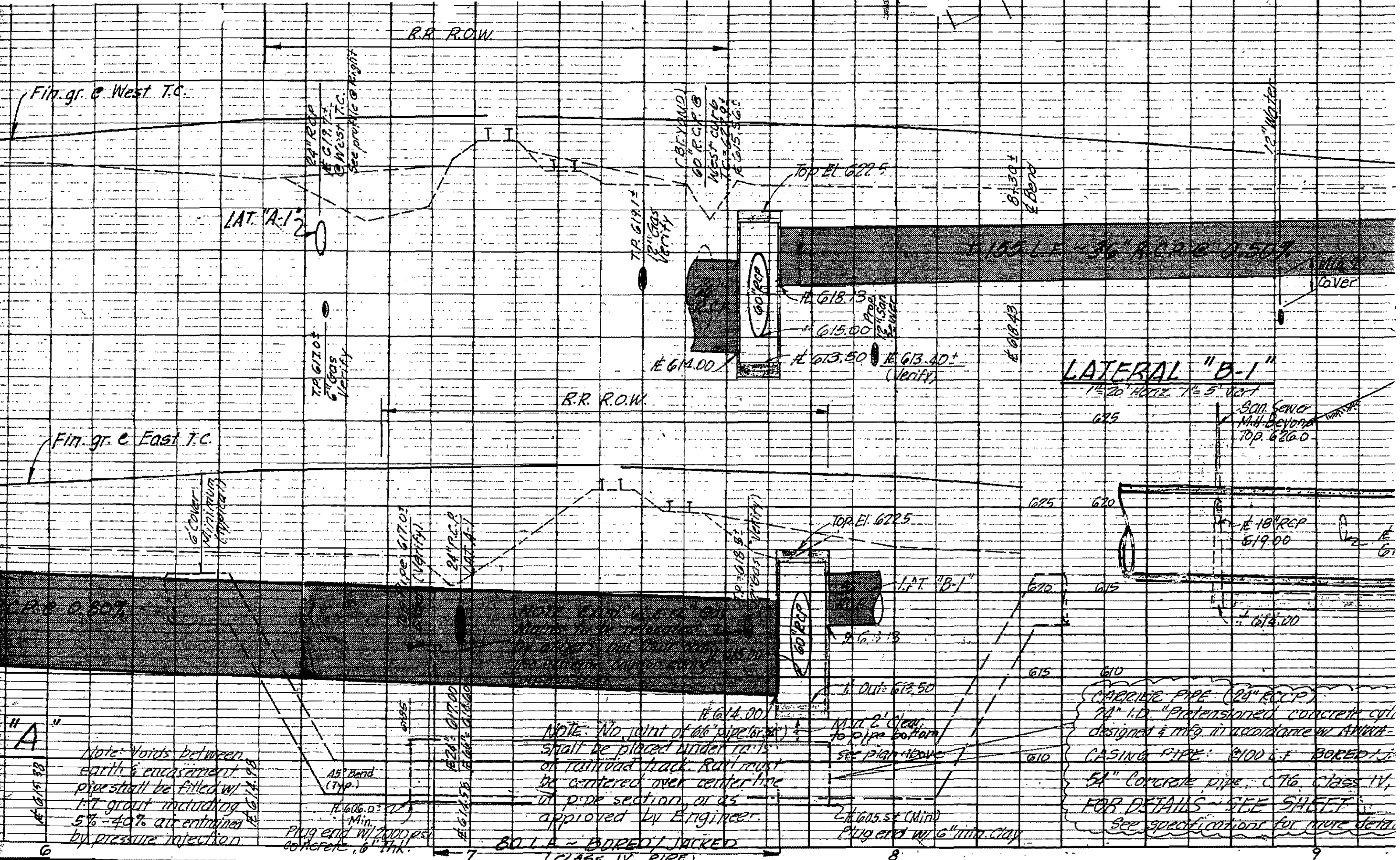
NOTE: Railroad grade crossing to be purchased and installed by others. (Owner will purchase, Railroad will install)

McLean (Quorum North)

OPUBCO Resources

Sta I.P.





"A"

Note: Voids between earth & encasement pipe shall be filled w/ 1:7 grout including 5% - 40% air entrained by pressure injection

45° Bend (Typ.)
 Plug end w/ 2000 psi concrete, 6" Thk.

Note: No joint of 60" pipe (or 54") shall be placed under rails of railroad track. Rail must be centered over center line of pipe section, or as approved by Engineer.

80 L.A. = BORED/JACKED (CLASS IV PIPE)

CARRIER PIPE: (24" R.C.C.P.)
 24" I.D. "Pretensioned concrete cyl designed & mfg in accordance w/ ASTM-
 CASING PIPE: (100 I.F. BORED) 54" Concrete pipe, C76, Class IV,
 FOR DETAILS - SEE SHEET
 See specifications for more detail

Fin. gr. e East T.C.

LAT. "A-1"

TR 617.00
 6" RCP
 Verify

24" RCP
 6" RCP
 West T.C.
 See profile @ Right

RR R.O.W.

RR R.O.W.

TR 614.10
 6" RCP
 Verify

60" RCP
 6" RCP
 Verify

TOP EL 622.5

EL 618.13

EL 615.00

EL 614.00

EL 613.50

EL 613.40 (Verify)

EL 618.43

EL 613.00

LATERAL "B-1"

1" = 20' HORIZ. 1" = 5' VERT

625

625

620

615

610

SON Sewer
 Min. Beyond
 TOP 626.0

18" RCP
 EL 619.00

EL 614.00

MIN 2' Clear to pipe bottom
 SEE PLAN ABOVE

2' x 605.50 (Min)
 Plug end w/ 6" min. clay

6

7

8

9



LETTER OF TRANSMITTAL

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

DATE	8-3-98	JOB NO.
ATTENTION		
RE:	Arapaho Road	
Copy given to Pat Rivera @ 3/18/99 meeting		

TO Robert Weber
Ed Bell Const

GENTLEMAN:

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

COPIES	DATE	NO.	DESCRIPTION
1			Memo from Joel Renaud regarding conduit & pull box installation @ toll Road

THESE ARE TRANSMITTED as checked below:

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

REMARKS The attached shows conduit and pull boxes that need to be installed as part of your work in the Toll Road interchange. Please proceed with this work. Additional conduits will need to be placed on the east side.

OPY TO Dave Wilde

SIGNED: Jim Lewis

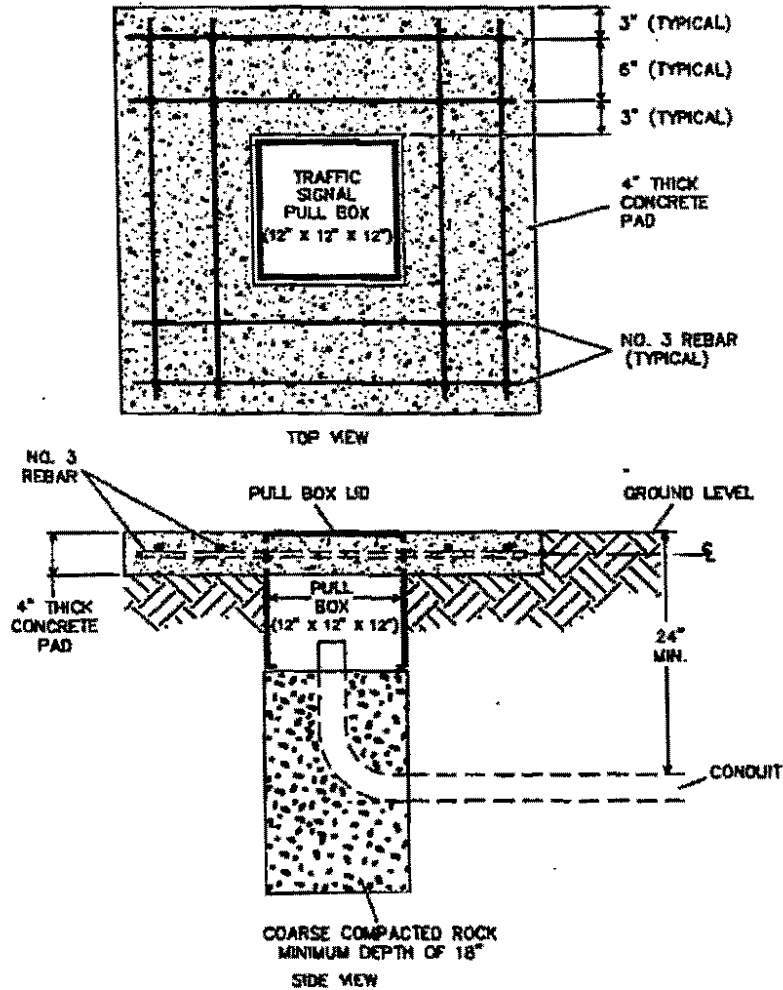
If enclosures are not as noted, please notify us at once.

**ITEM 208
PROCUREMENT AND INSTALLATION OF PULL BOXES**

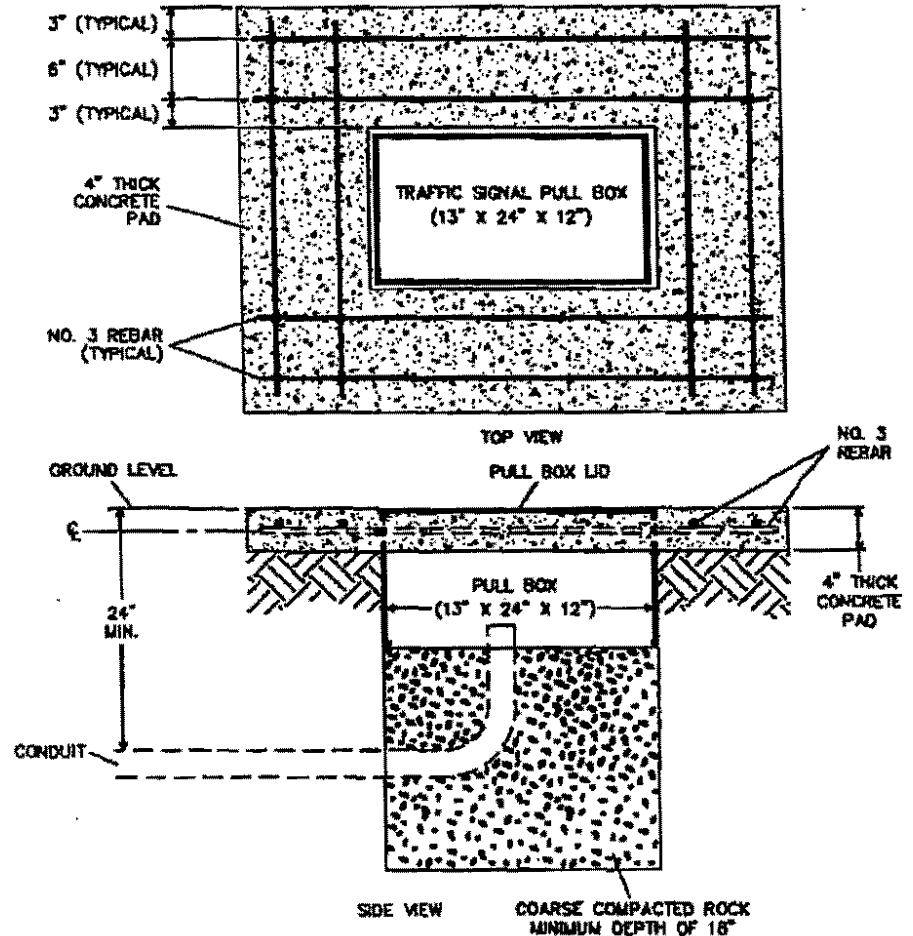
<p>208.1 INSTALLATION SPECIFICATIONS</p>	<p>a) The Vendor will be responsible for installing the pull boxes in the field.</p> <p>b) The location of pull boxes shown on the Plans is approximate. The Vendor shall give the Engineer a minimum of 48 hours advance notice of his intention to establish the final pull box location. The location must be approved by the Engineer at the site prior to excavation.</p> <p>c) The concrete surface of the pull box apron shall be sprayed with membrane curing compound after the concrete finishing operation is completed and after free water has disappeared. The surface of the concrete shall be kept damp between the completion of the finishing operation and application of the curing compound. The curing compound shall be applied under pressure by means of a nozzle, at a rate not to exceed 200 sq. ft. per gallon. A minimum of 96 hours curing time shall be required.</p> <p>d) Refer to Exhibit K for further details on the installation of pull boxes.</p>
<p>208.2 MATERIAL SPECIFICATIONS</p>	<p>a) Pull box covers shall be constructed of galvanized steel and their top surface shall have a minimum coefficient of friction of 0.5.</p> <p>b) The logo "TRAFFIC SIGNAL" shall be imprinted as an integral part of all pull box covers.</p> <p>c) All pull box covers shall be furnished with a locking mechanism to prevent access to the pull box without the use of tools.</p> <p>d) Pull boxes shall be stackable for extra height.</p> <p>e) Pull box enclosures shall be constructed of concrete, and when covered, shall meet AASHTO standard specifications for H20 loading (32,000 lbs, single-axle load over a 10' x 10' area). Enclosures and covers shall be rated for a minimum of 5000 lbs strength over a 10' x 10' area.</p> <p>f) All components shall be designed and tested to withstand temperatures as low as -20°F.</p> <p>g) Small pull boxes shall be 12" wide by 12" long by 12" deep. Large pull boxes shall be 15" wide by 24" long by 12" deep.</p> <p>h) The curing compound for the concrete apron shall be of the membrane type with ASTM designation C 309 Type 2.</p> <p>i) Refer to Exhibit K for details on the type of concrete and rebar to use in constructing pull box aprons.</p>
<p>208.3 METHOD OF PAYMENT</p>	<p>Payment for this item will include the cost of:</p> <p>a) site excavation work,</p> <p>b) properly disposing or excavated material,</p> <p>c) providing the concrete, curing compound and rebar for the apron around the pull box,</p> <p>d) constructing the apron around the pull box and</p> <p>e) procuring the pull box and installing it at the job site.</p>
<p>208.4 CONSTRUCTION TIME LIMIT</p>	<p>Unit of payment: EACH</p> <p>Once a work order has been issued, the Vendor will have a time limit of 40 working days to procure the pull box and associated materials and working day per pull box for its installation.</p>

PULL BOX INSTALLATION DETAILS

DETAILS OF SMALL PULL BOX



DETAILS OF LARGE PULL BOX



NOTE:

ALL CONCRETE SHALL BE EITHER CLASS A OR CLASS C AS DEFINED IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS' "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 7.4.5



CITY OF DALLAS
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION

1998 GENERAL SIGNAL CONSTRUCTION
PRICE AGREEMENT SPECIFICATION

EXHIBIT K

2' OPENING FOR DRAINAGE

8" DIA. TWO-WAY
DUAL REFLECTIVE
PAVEMENT MARKERS
12" CENTERS (YELLOW)

U-TURN CLOSED

3-10' LANES

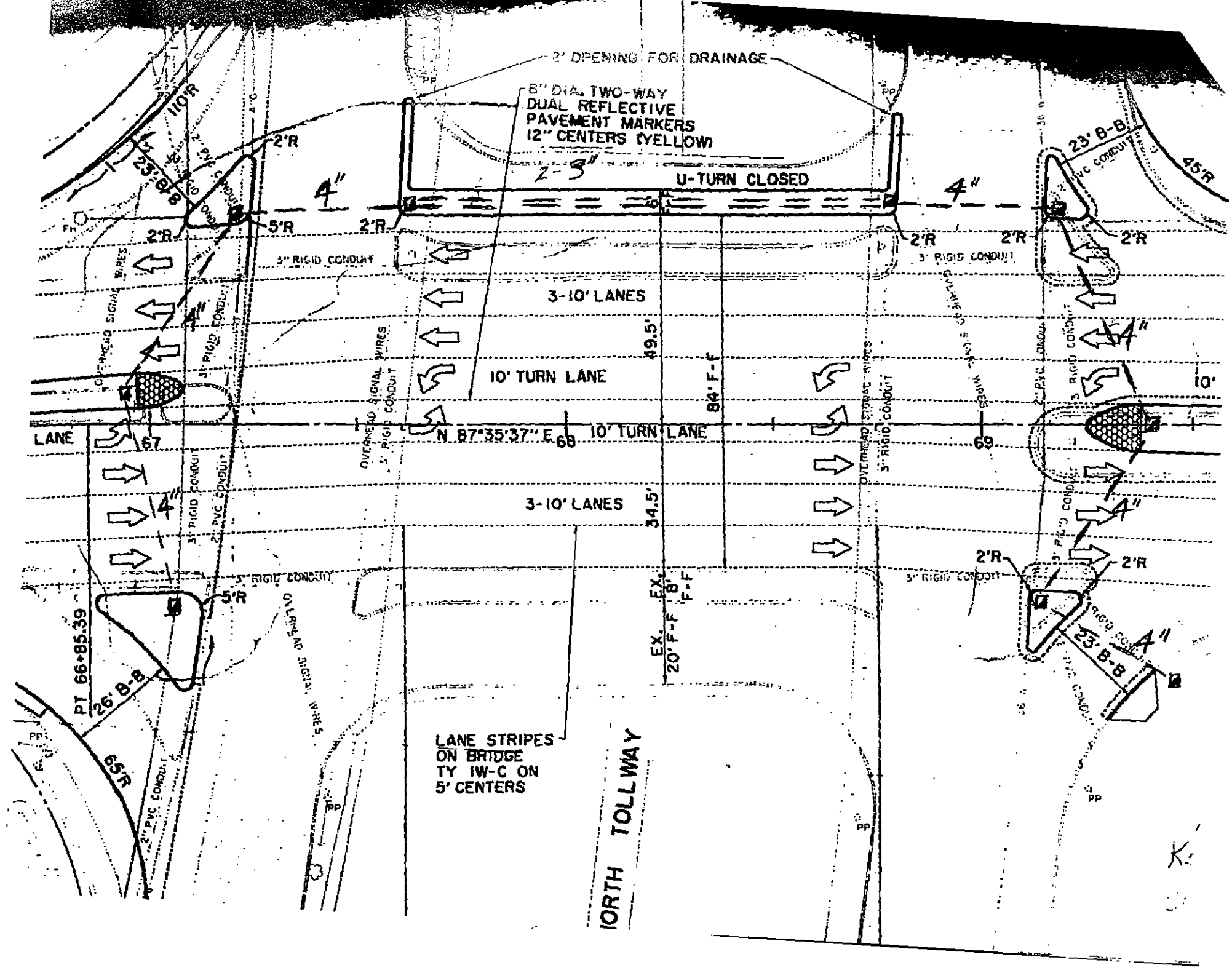
10' TURN LANE

10' TURN LANE

3-10' LANES

LANE STRIPES
ON BRIDGE
TY 1W-C ON
5' CENTERS

NORTH TOLLWAY



ED BELL CONSTRUCTION COMPANY

POST OFFICE BOX 540787
DALLAS, TEXAS 75354-0787

10605 HARRY HINES
DALLAS, TEXAS 75220

March 4, 1999

Mr. James C. Pierce, Jr., P.E.
Assistant City Engineer
Town of Addison
P.O. Box 144
Addison, Texas 75001

Faxed

Post-It® Fax Note	7671	Date	3-17-99	# of pages	1
To	Robert Weber	From	Jim Pierce		
Co./Dept.	Ed Bell Const	Co.	Addison		
Phone #		Phone #			
Fax #	214-352-3201	Fax #			

Re: Arapaho Road Reconstruction
Addison Road to Dallas North Tollway
Town of Addison

Dear Jim:

As you are aware, the inlet at STA 41+26.62 33.84' Rt. is currently scheduled to be removed and replaced with a type A manhole. Mastec has proposed that they be permitted to remove the top from the existing inlet and convert it into a junction box. They intend to salvage the frame and cover and install it in the new junction box top. If approved, this proposal will save the Town of Addison \$800.00.

ADD

- 1. Convert existing inlet to junction box 1 EA \$3,700.00

DELETE

- 1. Remove and dispose of existing inlet (Item 224) 1 EA (\$500.00)
- 2. Type A Manhole (Item 209) 1 EA (\$4,000.00)

Net Contract Change (\$800.00)

Please inform our office of your decision regarding this proposal. If you have any questions regarding this proposal, don't hesitate to contact our office.

Sincerely,

Ed Bell Construction Company



Robert D. Weber
Project Engineer

Conditions of Approval:

1. Manhole (only) set to side walk grade.
2. Remainder of top below sidewalk.
3. 12" steel forcemain accommodated by the new configuration.
4. Reinforcing steel tied into new top.
5. Close inlet throat.

Jim Pierce
3-17-99

cc Pat Rivera
Dave Wilde

ED BELL CONSTRUCTION COMPANY

POST OFFICE BOX 540787
DALLAS, TEXAS 75354-0787

10605 HARRY HINES
DALLAS, TEXAS 75220

March 8, 1999

Mr. James C. Pierce, Jr., P.E.
Assistant City Engineer
Town of Addison
P.O. Box 144
Addison, Texas 75001

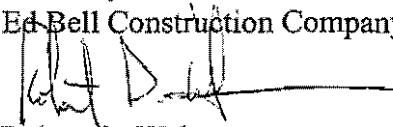
Post-it® Fax Note ✓ 7671		Date	3/15/99	# of pages	1
To	Robert Weber		From	Jim Pierce	
Co./Dept.	Ed Bell		Co.	Addison	
Phone #			Phone #		
Fax #	214-352-3201		Fax #		

Re: Arapaho Road Reconstruction
Addison Road to Dallas North Tollway
Town of Addison

Dear Jim:

It is our understanding that the Town of Addison has requested a price to relocate the fire hydrant at STA 6+10 Rt. on Quorum Drive approximately four (4) feet to the north. Our price for this work is ~~\$2,200.00.~~ *\$ 2000.00 job.*

Please inform our office of your decision regarding this proposal. If you have any questions regarding this proposal, don't hesitate to contact our office.

Sincerely,
Ed Bell Construction Company

Robert D. Weber
Project Engineer

*Approved as noted
Jim Pierce
3-15-99*

*cc Dave Wilde
Pat Rivera*

TOWN OF
ADDISON

Faxed

PUBLIC WORKS

To: Jack Moreley, P.E.

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

Company: LAN/DART

FAX #: 214-749-3301

Date: 3-15-99

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

of pages (including cover): 1

Re: Transit Center Alternate Entrance

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

Comments: Use of the driveway off
Quorum Drive is not approved
until such time as Sedaleo
furnishes a letter to Ed Bell
Const. taking responsibility for
any damage to the driveway

Jim



HAWKINS

NURSERY & LANDSCAPE CO., INC.

P.O. Box 800469 Dallas, Texas 75380-0469
Main Office: 972/596-5904 FAX: 972/964-3790

DATE : MARCH 9, 1999 # of pages including cover 1
TO : TOWN OF ADDISON
MR. SLADE STRICKLAND
FAX #: 972 - 450 - 2634
FROM: WM. GARRETT CHERRY
RE: ARAPAHO ROAD EXPANSION
ADDISON , TEXAS

SLADE :

PLEASE CONFIRM OUR TELEPHONE CONVERSATION CONCERNING THE
APPROVAL OF THE FOSTER HOLLY AS SUBMITTED FOR THE ABOVE PROJECT .
THESE ARE THE SAME FOSTER HOLLY MR. RON LEE APPROVED AND TAGGED
AFTER VIEWING ALL OF THE HOLLY FROM WHICH TO CHOOSE .
THESE HOLLY DO MORE THAN MEET THE SPECIFICATIONS AND ARE MATCHED
FAIRLY WELL . I WOULD ALSO APPRECIATE YOU NOTIFYING THE LANDSCAPE
ARCHITECT AND THE GENERAL CONTRACTOR OF SAME .

THANK YOU !!!!

APPROVED : TOWN OF ADDISON

Slade Strickland

DATE : 3-15-99

HAWKINS NURSERY & LANDSCAPE CO., INC.

Wm. Garrett Cherry

WM. GARRETT CHERRY, ASLA
LANDSCAPE ARCHITECT / SENIOR ESTIMATOR
CC : FILE & MR. CREIG MATTHEWS

IF YOU DO NOT RECIEVE ALL OF THESE PAGES IN LEGIBLE FASHION
PLEASE CALL 972-596-5904

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cc

SEDALCO, INC.

CONSTRUCTION SERVICES

March 12, 1999

SADL 100

LAN/STV Joint Venture
P.O. Box 660163
Dallas, TX 75266-7227

Attention: Mr. Jack Moseley
Contracting Officer Representative

Reference: Addison Transit Center
Construction Project
Contract No. C-97000136

Subject: Alternate Entrance

Dear Mr. Moseley

On Monday March 15, 1999, we will be shutting down the construction entrance from Addison Road to start install of the underground feeder for T.U Electric. All traffic will enter the site from Quorum Drive.

Should there be any question or if you need additional information do not hesitate to call.

Sincerely

SEDALCO, INC.



ALLEN R. SMITH, JR.
Project Manager

cc: CF:98228
James Pierce (The City Of Addison)
Robert Weber (Ed Bell Construction)

*3-15-99 9AM:
Called Wm Goode &
left word not approved.
also called Jack Moseley -
(no phone response) and
Rene Rodriguez - left
word. Called Pat
Avera & advised
B above.
JP*



2554 EAST LONG AVENUE • FORT WORTH, TEXAS 76107-4204

TEL: (817) 351-2010 FAX: (817) 351-2048
E-MAIL: SEDALCO@ONRAMP.NET



SEDALCO, INC.

CONSTRUCTION SERVICES

FAX

Date: 3-12-99

Number of pages including cover sheet: 2

To:

Tom Mosley - 214-749-3301

James Pierce - 972-450-2837

Robert Weber - 214-352-3201

Phone:

Fax Phone:

CC:

From: Allen R. Smith, Jr.; Project Manager

DART AREA TRANSIT
CENTER

Phone: 972-386-6586

Fax Phone: 972-386-6588

REMARKS:

Urgent

For your review

Reply ASAP

Please comment

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2554 EAST LONG AVENUE • FORT WORTH, TEXAS 76137-4501
DIRECT FAX (817) 631-2246
Email: SEDALCO@NRAMP.NET



Telecom from

3-11-99

Kenneth Shields

STV (DART Transit Center)

972-386-6591

Inlet Clogged @ Convenience
Store

Contractor called TU & Sw Bell

TU Installed new pipe -

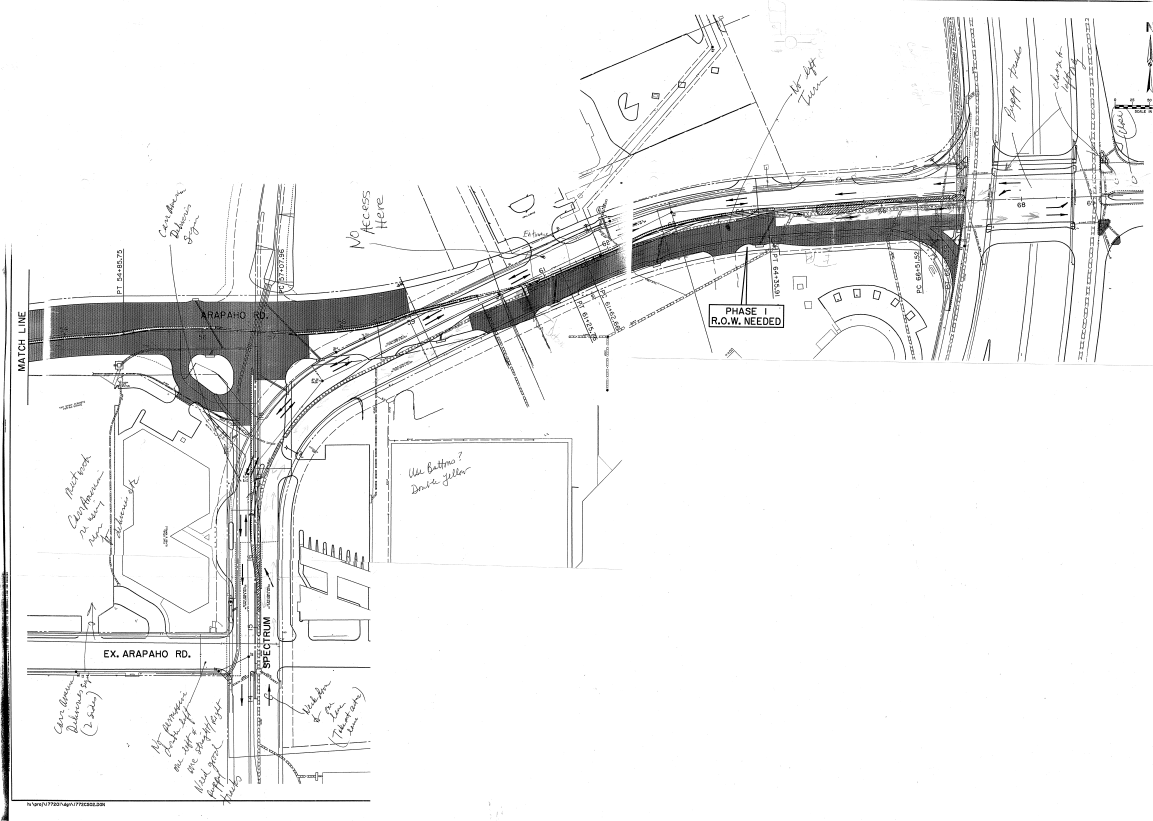
Clogged up inlet

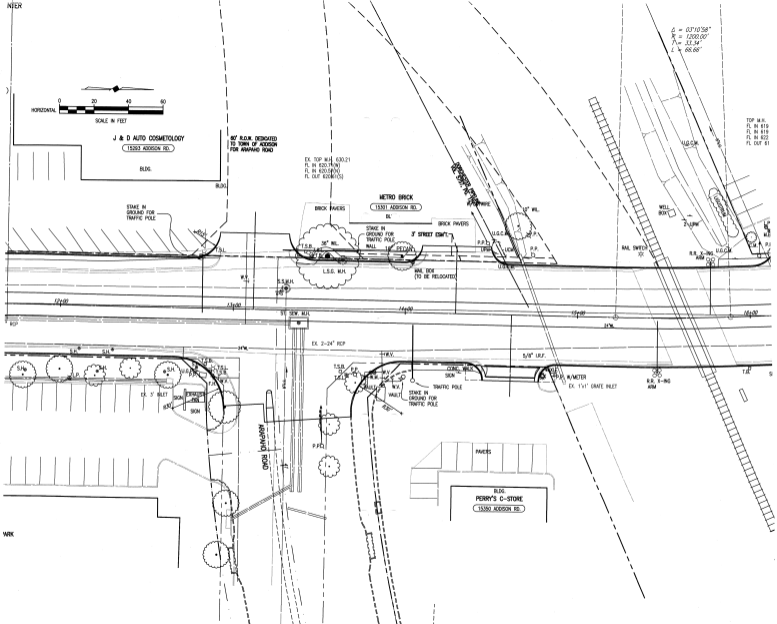
Not draining now

Both Contractors equally responsible
for the clogg.

3/11

Robin & Al investigated - Brick yard has the
ditch clogged up with stacks of Brick. They
will remove & clean ditch. will take
several days to accomplish.





J & D AUTO COSMETOLOGY
 15267 ADDISON RD.
 BLDG.

80' BLDG. DESIGNATED
 TO TURN IN ACCORD
 FOR AWARD ROAD

EX. TOP M.H. 830.21
 FL. IN 822.74(N)
 FL. IN 820.50(W)
 FL. CUF. 828.84(S)

METRO BRICK
 15301 ADDISON RD.
 BLDG.

PERRY'S C-STORE
 15380 ADDISON RD.
 BLDG.

$\Delta = 07^{\circ}10'58''$
 $R = 1292.00'$
 $L = 33.34'$
 $L = 68.68'$

TOP M.H.
 FL. IN 819
 FL. IN 819
 FL. IN 822
 FL. CUF. 81

WPK