

Recd 7-29-04

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

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Dallas, Texas 75231

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RONALD V. CONWAY, P.E.
GARY C. HENDRICKS, P.E.
JOE R. CARTER, P.E.
PAUL A. CARLINE, P.E.
MATT HICKEY, P.E.
DOUGLAS K. SHOWERS, P.E.

*Steve: Jon
is helping us with
the FAA Notice
Jim*

July 26, 2004

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

Re: Addison Road

Dear Mr. Pierce:

We are enclosing five sets of plans delineating the street lights and power poles by longitude, latitude, ground elevation and overall height. We are also enclosing a copy of the FAA form to accompany the submittal. It is our understanding that the Town of Addison will prepare the documentation and submit it to the FAA.

We recommend that while the package is being prepared, a meeting be set up with Mr. Bruce Beard (Senior Obstruction Evaluation Specialist) at the FAA Fort Worth to present the project and to find out the timing process. Mr. Beard can be reached at 817-222-5536, his mailing address is:

Department of Transportation
F.A.A.
Attention: ASW-520
Fort Worth, Texas 76193-0520.

We are available at your convenience to discuss any questions you may have with the enclosed documents.

Sincerely,



John W. Birkhoff, P.E.

cc: Mr. James Davis

INSTRUCTIONS FOR COMPLETING FAA FORM 7460-1

PLEASE TYPE or PRINT

ITEM #1. Please include the name, address, and phone number of a personal contact point as well as the company name.

ITEM #2. Please include the name, address, and phone number of a personal contact point as well as the company name.

ITEM #3. New Construction would be a structure that has not yet been built.

Alteration is a change to an existing structure such as the addition of a side mounted antenna, a change to the marking and lighting, a change to power and/or frequency, or a change to the height. The nature of the alternation shall be included in ITEM #21 "Complete Description of Proposal".

Existing would be a correction to the latitude and/or longitude, a correction to the height, or if filing on an existing structure which has never been studied by the FAA. The reason for the notice shall be included in ITEM #21 "Complete Description of Proposal".

ITEM #4. If Permanent, so indicate. If Temporary, such as a crane or drilling derrick, enter the estimated length of time the temporary structure will be up.

ITEM #5. Enter the date that construction is expected to start and the date that construction should be completed.

ITEM #6. Please indicate the type of structure. DO NOT LEAVE BLANK.

ITEM #7. In the event that obstruction marking and lighting is required, please indicate type desired. If no preference, check "other" and indicate "no preference". DO NOT LEAVE BLANK. NOTE: High intensity lighting shall be used only for structures over 500' AGL. In the absence of high intensity lighting for structures over 500' AGL, marking is also required.

ITEM #8. If this is an existing tower that has been registered with the FCC, enter the FCC Antenna Structure Registration number here.

ITEM #9. and #10. Latitude and longitude must be geographic coordinates, accurate to within the nearest second or to the nearest hundredth of a second if known. Latitude and longitude derived solely from a hand-held GPS instrument is NOT acceptable. A hand-held GPS is only accurate to within 100 meters (328 feet) 95 per cent of the time. This data, when plotted, should match the site depiction submitted under ITEM #20.

ITEM #11. NAD 83 is preferred; however, latitude/longitude may be submitted in NAD 27. Also, in some geographic areas where NAD 27 and NAD 83 are not available other datums may be used. It is important to know which datum is used. DO NOT LEAVE BLANK.

ITEM #12. Enter the name of the nearest city/state to the site. If the structure is or will be in a city, enter the name of that city/state.

ITEM #13. Enter the full name of the nearest public-use (not private-use) airport (or heliport) or military airport (or heliport) to the site.

ITEM #14. Enter the distance from the airport or heliport listed in #13 to the structure.

ITEM #15. Enter the direction from the airport or heliport listed in #13 to the structure.

ITEM #16. Enter the site elevation above mean sea level and expressed in whole feet rounded to the nearest foot (e.g. 17' 3" rounds to 17', 17'6" rounds to 18'). This data should match the ground contour elevations for site depiction submitted under ITEM #20.

ITEM #17. Enter the total structure height above ground level in whole feet rounded to the next highest foot (e.g. 17'3" rounds to 18'). The total structure height shall include anything mounted on top of the structure, such as antennas, obstruction lights, lightning rods, etc.

ITEM #18. Enter the overall height above mean sea level and expressed in whole feet. This will be the total of ITEM #16 + ITEM #17.

ITEM #19. If an FAA aeronautical study was previously conducted, enter the previous study number.

ITEM #20. Enter the relationship of the structure to roads, airports, prominent terrain, existing structures, etc. Attach an 8-1/2" X 11" non-reduced copy of the appropriate 7.5 minute U.S. Geological Survey (USGS) Quadrangle Map MARKED WITH A PRECISE INDICATION OF THE SITE LOCATION. To obtain maps, Contact USGC at 1-800-435-7627 or via Internet at "<http://mapping.usgs.gov>". If available, attach a copy of a documented site survey with the surveyor's certification stating the amount of vertical and horizontal accuracy in feet.

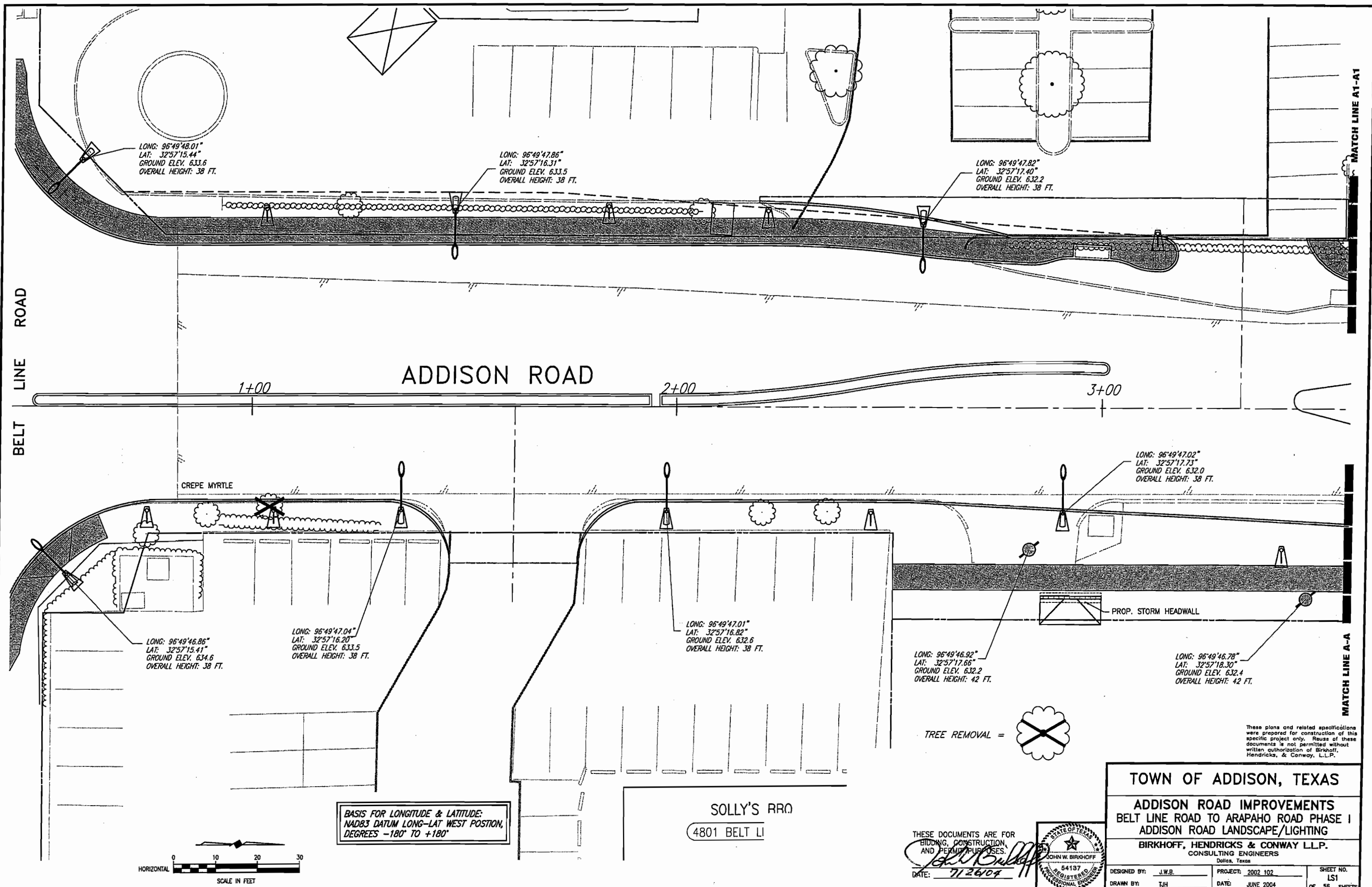
ITEM #21.

- For transmitting stations, include maximum effective radiated power (ERP) and all frequencies.
- For antennas, include the type of antenna and center of radiation (Attach the antenna pattern, if available).
- For microwave, include azimuth relative to true north.
- For overhead wires or transmission lines, include size and configuration of wires and their supporting structures (Attach depiction).
- For each pole/support, include coordinates, site elevation, and structure height above ground level or water.
- For buildings, include site orientation, coordinates of each corner, dimensions, and construction materials,
- For alterations, explain the alteration thoroughly,
- For existing structures, thoroughly explain the reason for notifying the FAA (e.g. corrections, no record of previous study, etc.).

Filing this information with the FAA does not relieve the sponsor of this construction or alteration from complying with any other federal state or local rules or regulations. If you are not sure what other rules or regulations apply to your proposal, contact local/state aviation and zoning authorities.

Paperwork Reduction Work Act Statement: This information is collected to evaluate the effect of proposed construction or alteration on air navigation and is not confidential. Providing this information is mandatory for anyone proposing construction or alteration that meets or exceeds the criteria contained in 14 CFR , part 77. We estimate that the burden of this collection is an average 19 minutes per response. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless R displays a currently valid OMB control number. The OMB control number for this collection is 2120-0001.

H:\PROJECTS\ADDISON\2002102\PHASE1\SHEET\2002102LS1.DWG 07/26/04 R.L. SCALE: 1"=10'



LONG: 96°49'48.01"
LAT: 32°57'15.44"
GROUND ELEV. 633.6
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.86"
LAT: 32°57'16.31"
GROUND ELEV. 633.5
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.82"
LAT: 32°57'17.40"
GROUND ELEV. 632.2
OVERALL HEIGHT: 38 FT.

1+00

ADDISON ROAD

2+00

3+00

CREPE MYRTLE

LONG: 96°49'47.02"
LAT: 32°57'17.73"
GROUND ELEV. 632.0
OVERALL HEIGHT: 38 FT.

LONG: 96°49'46.86"
LAT: 32°57'15.41"
GROUND ELEV. 634.6
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.04"
LAT: 32°57'16.20"
GROUND ELEV. 633.5
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.01"
LAT: 32°57'16.82"
GROUND ELEV. 632.6
OVERALL HEIGHT: 38 FT.

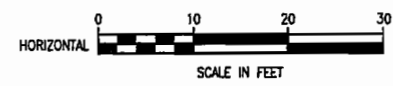
LONG: 96°49'46.92"
LAT: 32°57'17.66"
GROUND ELEV. 632.2
OVERALL HEIGHT: 42 FT.

LONG: 96°49'46.78"
LAT: 32°57'18.30"
GROUND ELEV. 632.4
OVERALL HEIGHT: 42 FT.

PROP. STORM HEADWALL

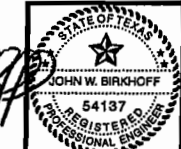
TREE REMOVAL =

BASIS FOR LONGITUDE & LATITUDE:
NAD83 DATUM LONG-LAT WEST POSITION,
DEGREES -180° TO +180°



SOILY'S RRD
4801 BELT LI

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
DATE: 7/26/04



TOWN OF ADDISON, TEXAS

ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO ARAPAHO ROAD PHASE I
ADDISON ROAD LANDSCAPE/LIGHTING

BIRKHOFF, HENDRICKS & CONWAY LLP.
CONSULTING ENGINEERS
Dallas, Texas

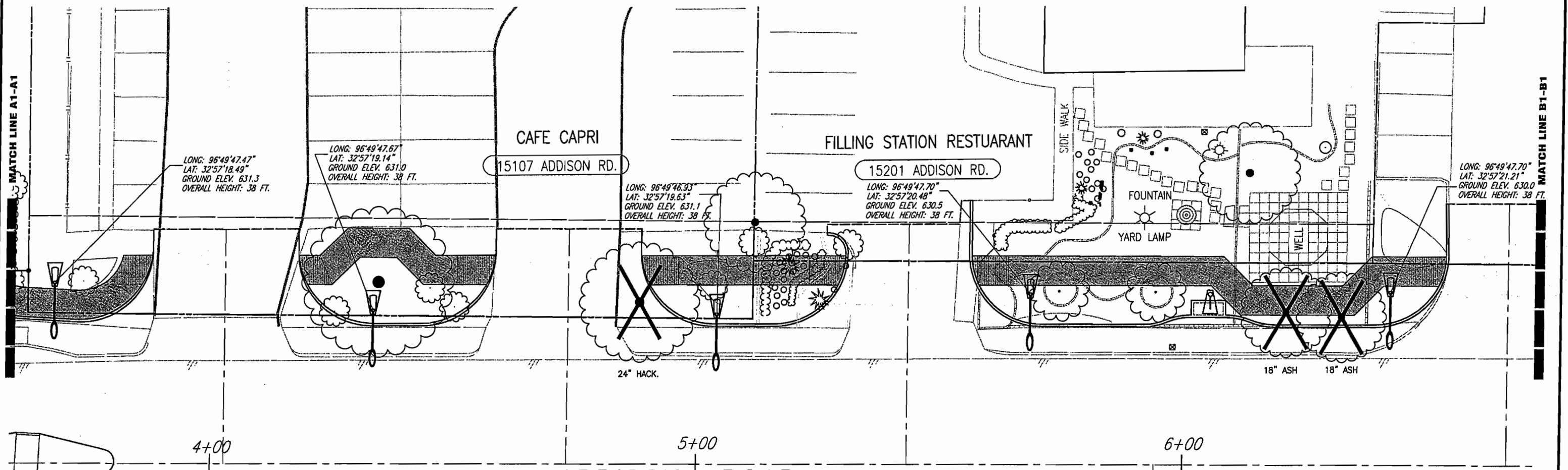
DESIGNED BY: J.W.B.	PROJECT: 2002.102	SHEET NO. LS1
DRAWN BY: TJH	DATE: JUNE 2004	OF 56 SHEETS

These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Birkhoff, Hendricks, & Conway, L.L.P.

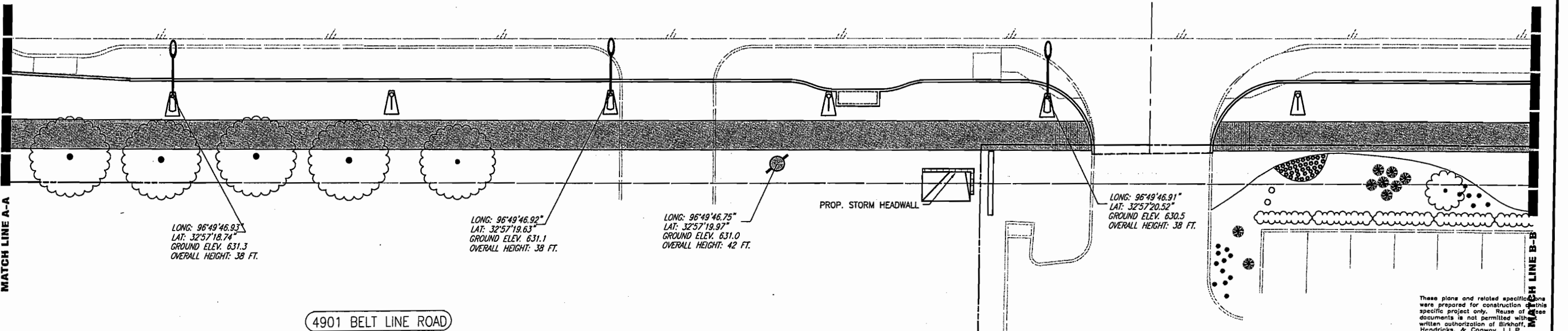
H:\PROJECTS\ADDISON\2002\02\PHASE1\DRAWING\20021021.DWG 07/26/04 R.L. SCALE: 1"=10'

MATCH LINE A1-A1

MATCH LINE B1-B1

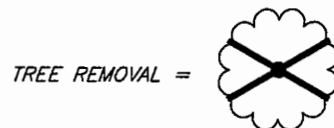


4+00 5+00 6+00
ADDISON ROAD

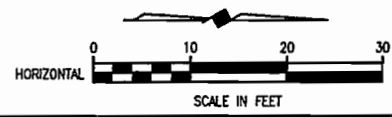


MATCH LINE A-A

MATCH LINE B-B



BASIS FOR LONGITUDE & LATITUDE:
NAD83 DATUM LONG-LAT WEST POSITION,
DEGREES -180° TO +180°



THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES
John W. Birkhoff
DATE: 7/26/04



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TOWN OF ADDISON, TEXAS

ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO ARAPAHO ROAD PHASE I
ADDISON ROAD LANDSCAPE/LIGHTING

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

DESIGNED BY: J.W.B. PROJECT: 2002 102 SHEET NO. LS2
DRAWN BY: TJH DATE: JUNE 2004 OF 56 SHEETS

H:\PROJECTS\ADDISON\2002102\PHASE1\DRAWING\20021021.S3.DWG 01/25/04 P.A. SCALE: 1=10

MAKOS
15207 ADDISON RD.

LONG: 96°49'47.64"
LAT: 32°57'22.05"
GROUND ELEV. 629.8
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.64"
LAT: 32°57'22.94"
GROUND ELEV. 629.0
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.62"
LAT: 32°57'23.83"
GROUND ELEV. 628.7
OVERALL HEIGHT: 38 FT.

24" ASH

16" HACK.

18" ELM

24" ELM

HOLLY

6" CEDAR ELM

2-EVERGREEN

8" CEDAR ELM

HOLLY

1/2" IRF

24" COTTONWOOD

7+00

8+00

ADDISON ROAD

9+00

LONG: 96°49'46.92"
LAT: 32°57'21.54"
GROUND ELEV. 630.0
OVERALL HEIGHT: 38 FT.

LONG: 96°49'46.74"
LAT: 32°57'21.88"
GROUND ELEV. 629.8
OVERALL HEIGHT: 42 FT.

LONG: 96°49'46.91"
LAT: 32°57'22.43"
GROUND ELEV. 629.5
OVERALL HEIGHT: 38 FT.

12" IN CONC.


1/2" IRF

LONG: 96°49'46.83"
LAT: 32°57'23.19"
GROUND ELEV. 629.0
OVERALL HEIGHT: 42 FT.

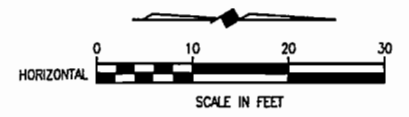
BIDJAAR BOUTIQUE HOTELS, LTD.

15280 ADDISON RD., SUITE 300

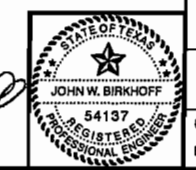
STEAK HOUSE
ADDISON RD.

TREE REMOVAL = 

BASIS FOR LONGITUDE & LATITUDE:
NAD83 DATUM LONG-LAT WEST POSITION,
DEGREES -180° TO +180°



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BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
John W. Birkhoff
DATE: 7/26/04



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TOWN OF ADDISON, TEXAS

ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO ARAPAHO ROAD PHASE I
ADDISON ROAD LANDSCAPE/LIGHTING

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

DESIGNED BY: J.W.B. PROJECT: 2002.102 SHEET NO. LS3
DRAWN BY: TJH DATE: JUNE 2004 OF 56 SHEETS

J & D AUTO COSMETOLOGIST
15293 ADDISON RD.

JOE'S MUFFLER
15233 ADDISON RD.

JERRY'S SHOP
15269 ADDISON RD.

ADDISON ROAD

QUORUM CENTRE OFFICE PARK
15280 ADDISON RD.

ARAPAHO ROAD

MATCH LINE C1-C1

MATCH LINE D1-D1

MATCH LINE C-C

MATCH LINE D-D

LONG: 96°49'47.62"
LAT: 32°57'24.69"
GROUND ELEV. 628.7
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.62"
LAT: 32°57'25.66"
GROUND ELEV. 629.0
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.63"
LAT: 32°57'26.62"
GROUND ELEV. 629.5
OVERALL HEIGHT: 38 FT.

LONG: 96°49'47.92"
LAT: 32°57'27.44"
GROUND ELEV. 630.0
OVERALL HEIGHT: 38 FT.

10+00

11+00

12+00

13+00

07/26/04 R.L. SCALE: 1"=10'

H:\PROJECTS\ADDISON\2002102\PHASE1\SHR1\2002102LS4.DWG

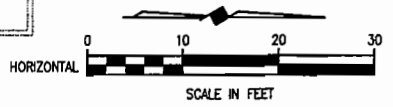
LONG: 96°49'46.83"
LAT: 32°57'24.80"
GROUND ELEV. 628.7
OVERALL HEIGHT: 42 FT.

LONG: 96°49'46.82"
LAT: 32°57'25.71"
GROUND ELEV. 629.0
OVERALL HEIGHT: 42 FT.

LONG: 96°49'46.80"
LAT: 32°57'25.93"
GROUND ELEV. 629.0
OVERALL HEIGHT: 38 FT.

LONG: 96°49'46.71"
LAT: 32°57'27.58"
GROUND ELEV. 630.0
OVERALL HEIGHT: 38 FT.

BASIS FOR LONGITUDE & LATITUDE:
NAD83 DATUM LONG-LAT WEST POSITION,
DEGREES -180° TO +180°



TREE REMOVAL =

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TOWN OF ADDISON, TEXAS
ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO ARAPAHO ROAD PHASE I
ADDISON ROAD LANDSCAPE/LIGHTING
BIRKHOFF, HENDRICKS & CONWAY L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
John W. Birkhoff
DATE: 7/26/04



DESIGNED BY: J.W.B.	PROJECT: 2002 102	SHEET NO. LS4
DRAWN BY: TJH	DATE: JUNE 2004	OF 56 SHEETS

Addison!

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

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

JM:

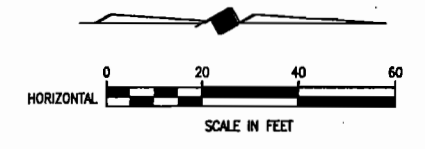
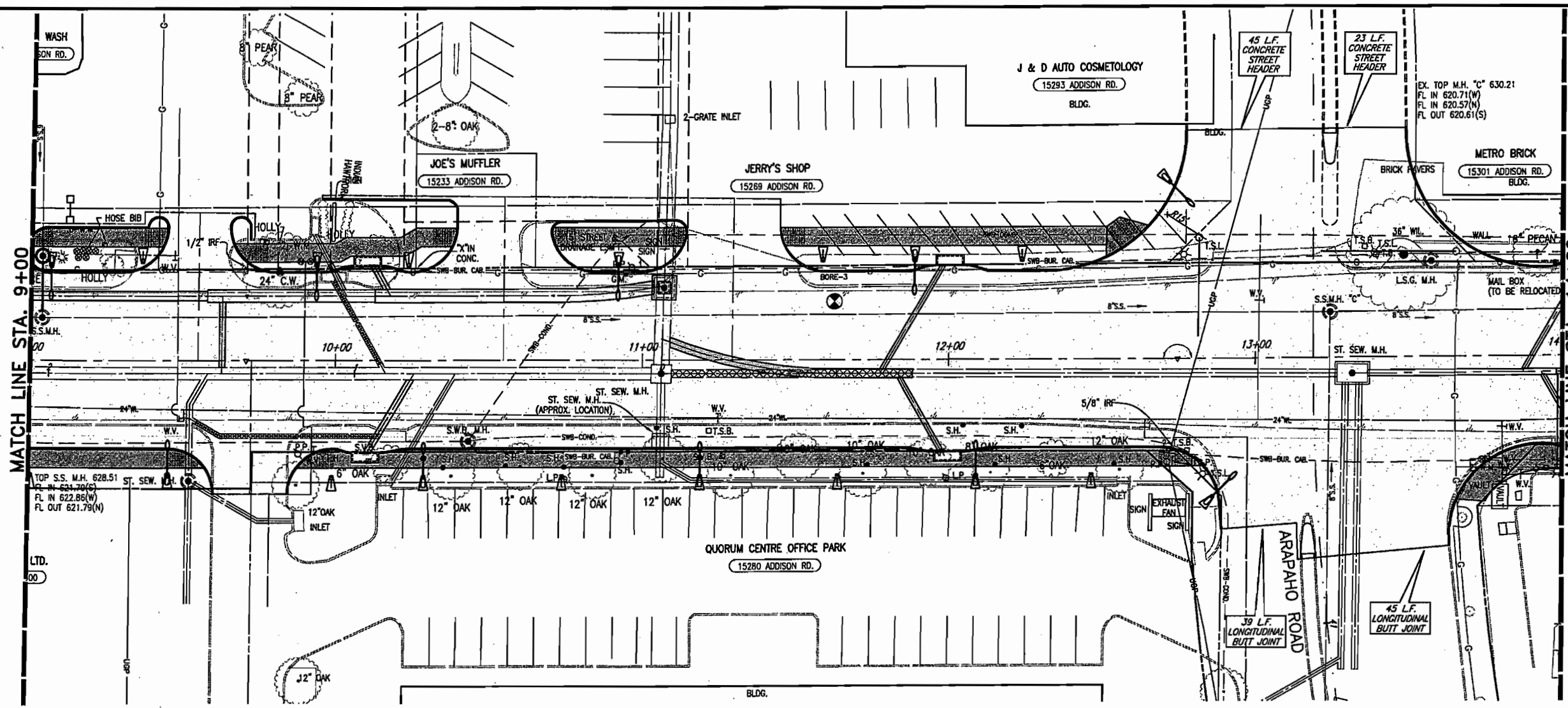
5/10/04

BIRKHOFF SUBMITTED THIS
SIDEWALK RE-ALIGNMENT LAYOUT
FOR ADDISON RD. IT
ACCOMMODATES ONCOR & APPARENTLY
SAVE A FEW TREES IN FRONT
OF THE MIND BLDG.

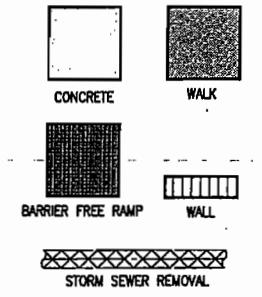
STELE C.

Looks
Good.

Jim

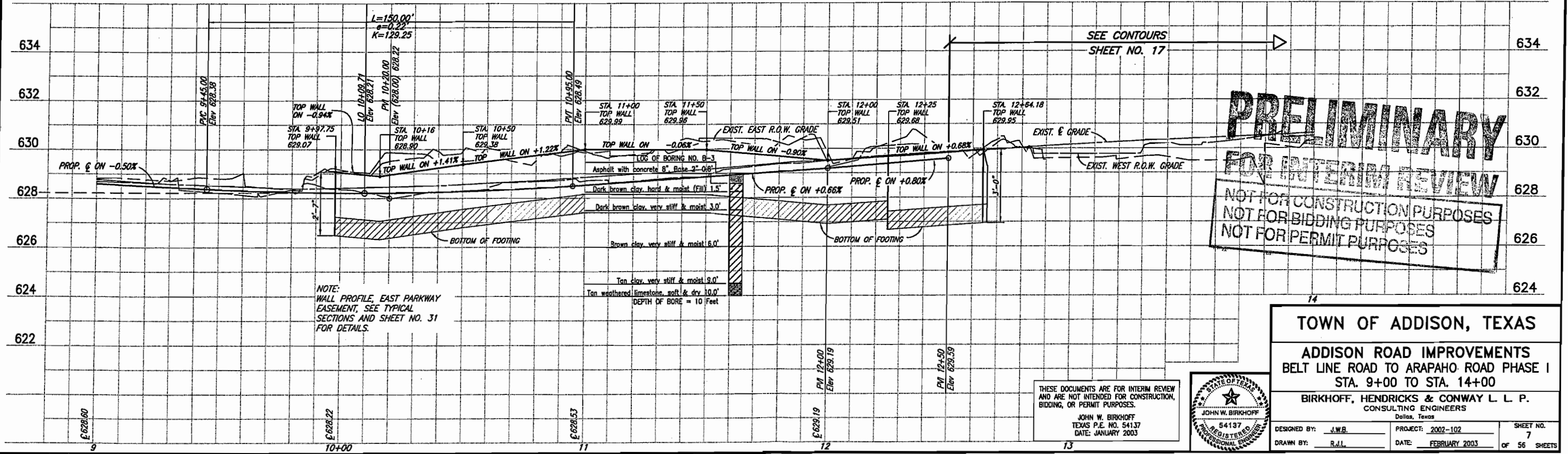


- B.M.#19 "C" CUT IN CENTER OF INLET 150 FEET SOUTH OF BELT LINE RD., EAST OF INWOOD RD. ELEV. 630.59
- T.B.M. AR-1 "C" CUT IN TOP OF VAULT NORTHEAST CORNER OF ADDISON RD. AND BELT LINE RD. ELEV. 634.80
- T.B.M. AR-2 "C" CUT IN CENTER OF INLET EAST SIDE OF ADDISON RD., STA. 9+87, 52 FEET RT. ELEV. 628.78
- T.B.M. AR-3 "C" CUT AT END OF RETAINING WALL, NORTH OF LINDBERGH DR., WEST SIDE OF ADDISON RD., STA. 18+76, 45 FEET LT. ELEV. 635.38



FOR SUMMARY OF ABBREVIATIONS SEE SHEET INDEX/GENERAL NOTES SHEET

These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Birkhoff, Hendricks, & Conway, L.L.P.



PRELIMINARY
FOR INTERIM REVIEW
 NOT FOR CONSTRUCTION PURPOSES
 NOT FOR BIDDING PURPOSES
 NOT FOR PERMIT PURPOSES

TOWN OF ADDISON, TEXAS

ADDISON ROAD IMPROVEMENTS
 BELT LINE ROAD TO ARAPAHO ROAD PHASE I
 STA. 9+00 TO STA. 14+00

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

DESIGNED BY: J.W.B. PROJECT: 2002-102 SHEET NO. 7
 DRAWN BY: R.J.L. DATE: FEBRUARY 2003 OF 56 SHEETS

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
 JOHN W. BIRKHOFF
 TEXAS P.E. NO. 54137
 DATE: JANUARY 2003



H:\PROJECTS\ADDISON\2002\102\PHASE I\ADDISON\2002\102-03\UPDATE.DWG
 02/04/03 R.L. SCALE: 1"=20' BLOCKS

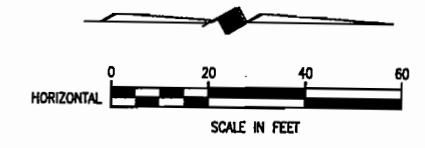
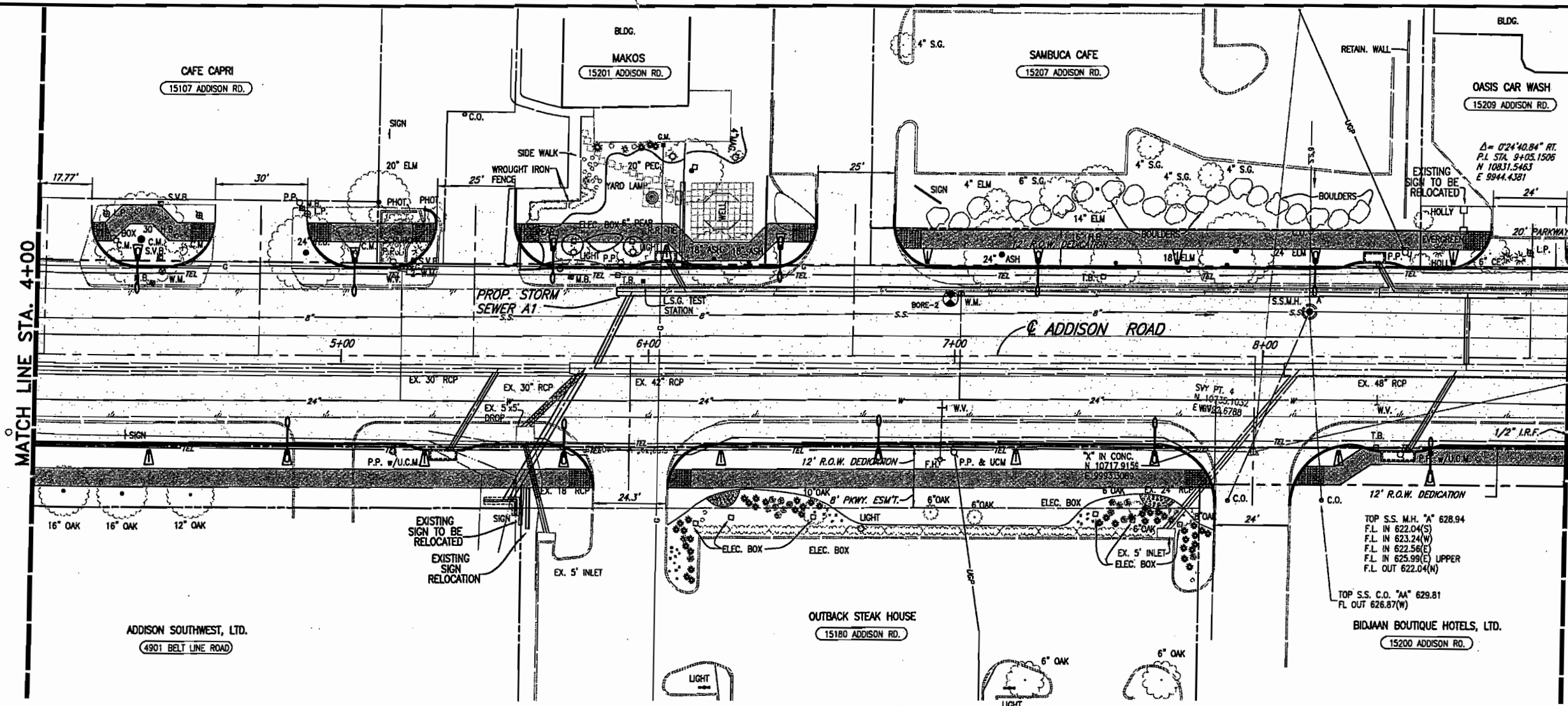
BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS

John W. Birkhoff, P.E.

Steve,

Copy of sidewalk
review.

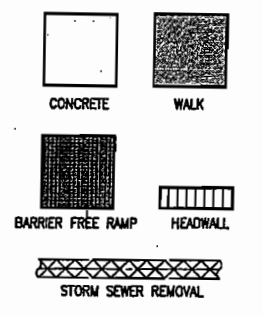
JW3



B.M.#19 "□" CUT IN CENTER OF INLET 150 FEET SOUTH OF BELT LINE RD., EAST OF INWOOD RD. ELEV. 630.59

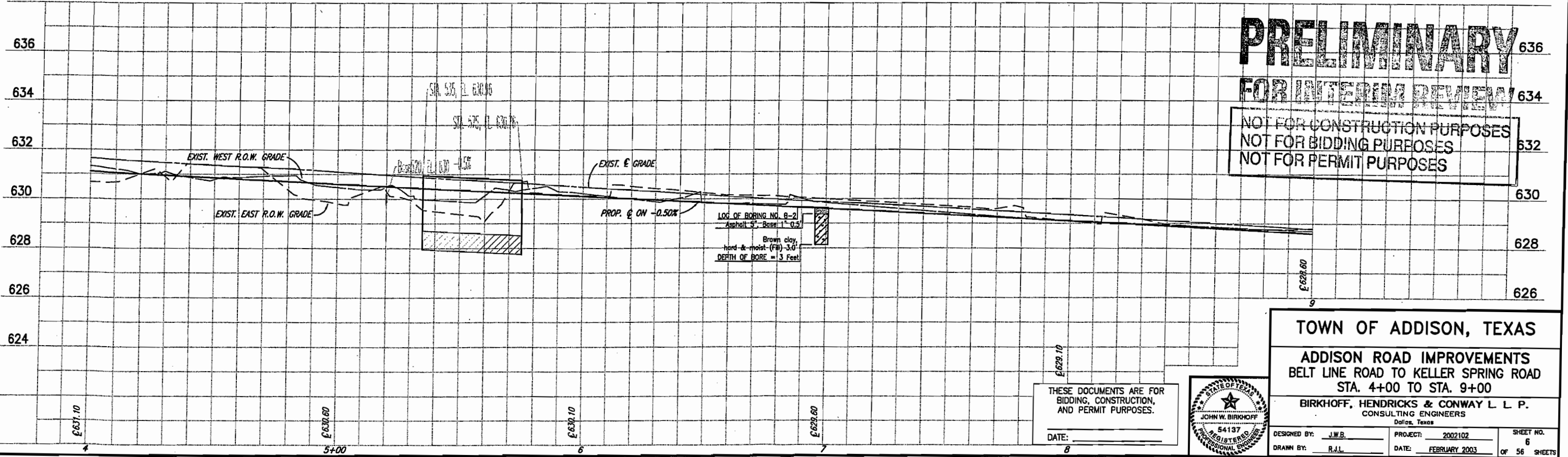
T.B.M. AR-1 "□" CUT IN TOP OF VAULT NORTHEAST CORNER OF ADDISON RD. AND BELT LINE RD. ELEV. 634.80

T.B.M. AR-2 "□" CUT IN CENTER OF INLET EAST SIDE OF ADDISON RD., @ STA. 9+87, 52 FEET RT. ELEV. 628.79



FOR SUMMARY OF ABBREVIATIONS SEE SHEET INDEX/GENERAL NOTES SHEET

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PRELIMINARY

FOR INTERIM REVIEW

NOT FOR CONSTRUCTION PURPOSES
NOT FOR BIDDING PURPOSES
NOT FOR PERMIT PURPOSES

TOWN OF ADDISON, TEXAS

ADDISON ROAD IMPROVEMENTS
BELT LINE ROAD TO KELLER SPRING ROAD
STA. 4+00 TO STA. 9+00

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

DESIGNED BY: J.W.B. PROJECT: 2002102 SHEET NO. 6
DRAWN BY: R.J.L. DATE: FEBRUARY 2003 OF 56 SHEETS

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.

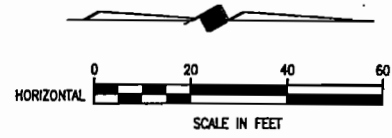
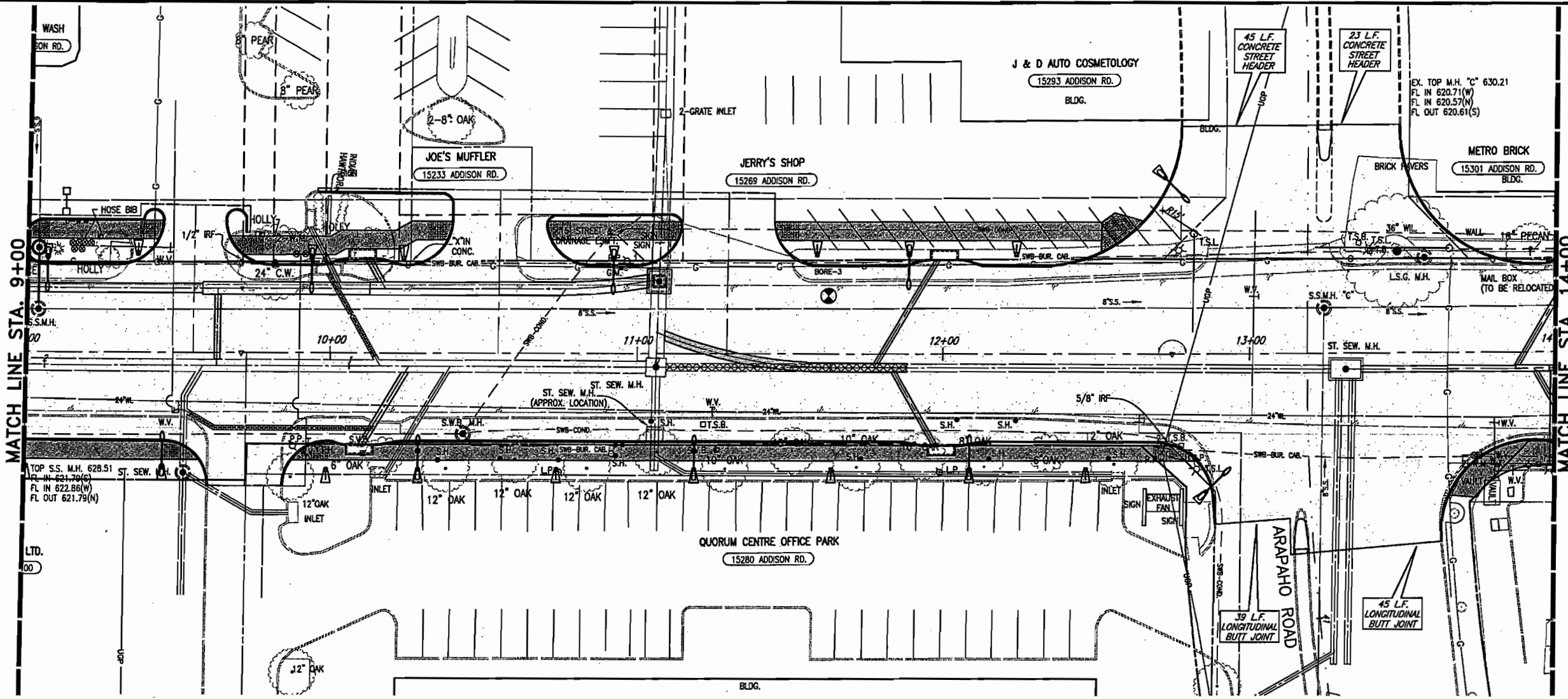
DATE: _____



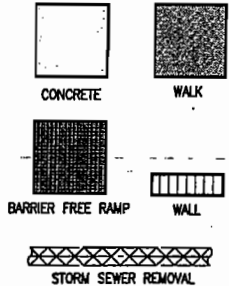
H:\PROJECTS\ADDISON_2002102\PHASE1\SHEET\2002102-02.DWG
 04/21/03 R.L.
 SCALE: 1"=X
 BLOCKS: PAN-PROF02

MATCH LINE STA. 9+00

MATCH LINE STA. 14+00

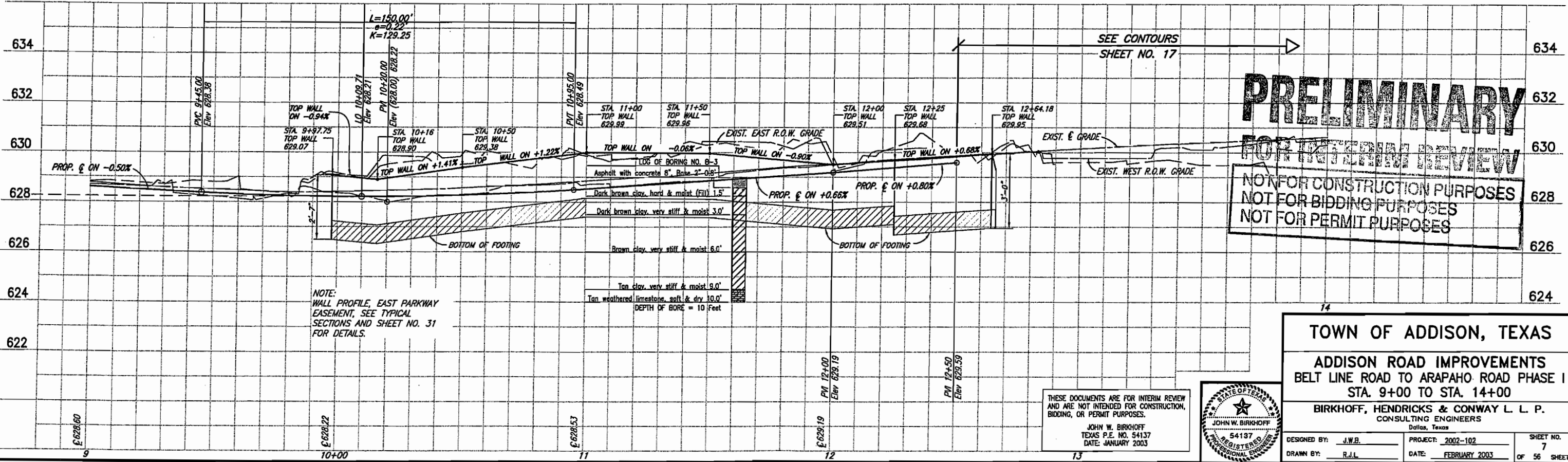


- B.M.#19 "C" CUT IN CENTER OF INLET 150 FEET SOUTH OF BELT LINE RD., EAST OF INWOOD RD. ELEV. 630.59
- T.B.M. AR-1 "C" CUT IN TOP OF VAULT NORTHEAST CORNER OF ADDISON RD. AND BELT LINE RD. ELEV. 634.80
- T.B.M. AR-2 "C" CUT IN CENTER OF INLET EAST SIDE OF ADDISON RD., STA. 9+87, 52 FEET RT. ELEV. 628.79
- T.B.M. AR-3 "C" CUT AT END OF RETAINING WALL, NORTH OF LINDBERGH DR., WEST SIDE OF ADDISON RD., STA. 18+76, 45 FEET LT. ELEV. 635.38



FOR SUMMARY OF ABBREVIATIONS SEE SHEET INDEX/GENERAL NOTES SHEET

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PRELIMINARY
FOR INTERIM REVIEW
 NOT FOR CONSTRUCTION PURPOSES
 NOT FOR BIDDING PURPOSES
 NOT FOR PERMIT PURPOSES

NOTE:
 WALL PROFILE, EAST PARKWAY EASEMENT, SEE TYPICAL SECTIONS AND SHEET NO. 31 FOR DETAILS.

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
 JOHN W. BIRKHOFF
 TEXAS P.E. NO. 54137
 DATE: JANUARY 2003



TOWN OF ADDISON, TEXAS

ADDISON ROAD IMPROVEMENTS
 BELT LINE ROAD TO ARAPAHO ROAD PHASE I
 STA. 9+00 TO STA. 14+00

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

DESIGNED BY: J.W.B. PROJECT: 2002-102 SHEET NO. 7
 DRAWN BY: R.J.L. DATE: FEBRUARY 2003 OF 56 SHEETS

H:\PROJECTS\ADDISON\2002102\PHASE1\SHEET\2002102-03\UPDATED.DWG
 02/04/03 R.L. SCALE: 1"=20' BLOCKS:

Client: Town of Addison
 Project: Addison Road Improvements
Belt Line Road to Morris Road

Date: 6/23/00
 By: EWB

ENGINEER'S OPINION OF CONSTRUCTION COST

0

Item No.	Description	Quantity	Unit	Price	Amount
1	Mobilization	1	L.S.	\$ 10,000.00	\$ 10,000.00
2	Preparing Right-of-Way	31	Sta.	\$ 1,000.00	\$ 31,000.00
3	Remove Existing Concrete (Pavement)	6,820	S.Y.	\$ 7.00	\$ 47,737.20
4	Remove Existing Concrete (Sidewalk)	2,671	S.Y.	\$ 12.00	\$ 32,050.80
5	Remove Existing Asphalt Pavement	26,158	S.Y.	\$ 15.00	\$ 392,364.00
6	Remove Existing Storm Sewer Pipe	1,040	L.F.	\$ 12.00	\$ 12,480.00
7	Unclassified Street Excavation	8,387	C.Y.	\$ 15.00	\$ 125,811.00
8	Lime Treated Subgrade	24,097	S.Y.	\$ 2.00	\$ 48,194.00
9	Hydrated Lime (28#/S.Y.)	337	Ton	\$ 105.00	\$ 35,422.59
10	10" Reinforced Concrete Pavement	16,774	S.Y.	\$ 45.00	\$ 754,816.50
11	10" Reinforced Concrete Pavement (Stamped)	4,396	S.Y.	\$ 50.00	\$ 219,784.00
12	6" Reinforced Monolithic Concrete Curb	4,838	L.F.	\$ 1.50	\$ 7,257.74
13	Full Depth Sawcut	1,381	L.F.	\$ 4.00	\$ 5,524.00
14	8" Flexible Base Material (under Asphalt Transition)	150	S.Y.	\$ 6.50	\$ 971.75
15	3" Hot Mix Asphaltic Concrete Transitions	23	Ton	\$ 60.00	\$ 1,374.00
16	6" Reinforced Concrete Driveway	1,874	S.Y.	\$ 32.00	\$ 59,974.40
17	Reinforced Concrete Retaining Wall (Type 4)	0	C.Y.	\$ 600.00	\$ -
18	5" Concrete Rip-Rap	10	C.Y.	\$ 200.00	\$ 1,925.93
19	5" Concrete Channel Lining	192	C.Y.	\$ 200.00	\$ 38,472.16
20	Channel Excavation	3,339	C.Y.	\$ 15.00	\$ 50,085.00
21	Barrier Free Ramps	16	Ea.	\$ 1,500.00	\$ 24,000.00
22	18" Solid White Thermoplastic Stripe	292	L.F.	\$ 5.00	\$ 1,460.00

Client: Town of Addison
 Project: Addison Road Improvements
Belt Line Road to Morris Road

Date: 6/23/00
 By: EWB

ENGINEER'S OPINION OF CONSTRUCTION COST

0

Item No.	Description	Quantity	Unit	Price	Amount
23	4" White Single Reflective Button (Type 1-C)	147	Ea.	\$ 3.50	\$ 514.50
24	4" White Button (Type W)	748	Ea.	\$ 3.50	\$ 2,618.00
25	4" Yellow Button (Type Y)	1,596	Ea.	\$ 3.50	\$ 5,586.00
26	4" Yellow Double Reflective Button	534	Ea.	\$ 3.50	\$ 1,869.00
27	4" Jiggle Bar (Yellow)(Type Y)	64	Ea/	\$ 4.00	\$ 256.00
28	12" P.V.C. Storm Sewer Pipe	0	L.F.	\$ -	\$ -
29	Reinforced Concrete Pipe Class III - 18"	741	L.F.	\$ 40.00	\$ 29,654.80
30	Reinforced Concrete Pipe Class III - 21"	99	L.F.	\$ 50.00	\$ 4,930.00
31	Reinforced Concrete Pipe Class III - 24"	109	L.F.	\$ 55.00	\$ 6,011.50
32	Reinforced Concrete Pipe Class III - 30"	109	L.F.	\$ 60.00	\$ 6,558.00
33	Reinforced Concrete Pipe Class III - 33"	1,141	L.F.	\$ 67.00	\$ 76,446.33
34	Reinforced Concrete Pipe Class III - 36"	531	L.F.	\$ 96.00	\$ 50,998.08
34A	Reinforced Concrete Pipe Class III - 39"	134	L.F.	\$ 110.00	\$ 14,762.00
35	Reinforced Concrete Pipe Class III - 42"	321	L.F.	\$ 130.00	\$ 41,769.00
36	Reinforced Concrete Pipe Class III - 48"	55	L.F.	\$ 150.00	\$ 8,205.00
37	Reinforced Concrete Pipe Class III - 51"	94	L.F.	\$ 180.00	\$ 16,974.00
38	6' Recessed Inlet	0	Ea.	\$ 2,500.00	\$ -
39	8' Recessed Inlet	14	Ea.	\$ 3,000.00	\$ 42,000.00
40	8' Recessed Inlet w/ Opening in Back	1	Ea.	\$ 3,500.00	\$ 3,500.00
41	10' Recessed Inlet	3	Ea.	\$ 3,500.00	\$ 10,500.00
42	12' Recessed Inlet	0	Ea.	\$ 4,500.00	\$ -
43	12' Recessed Inlet w/ Opening in Back	1	Ea.	\$ 5,000.00	\$ 5,000.00

Client: Town of Addison

Date: 7/14/00

Project: Addison Road Improvements

Belt Line Road to Keller Springs Road

By: EWB

ENGINEER'S OPINION OF CONSTRUCTION COST

0

Item No.	Description	Quantity	Unit	Price	Amount
1	Mobilization	1	L.S.	\$ 10,000.00	\$ 10,000.00
2	Preparing Right-of-Way	52	Sta.	\$ 1,000.00	\$ 52,000.00
3	Remove Existing Concrete (Pavement)	6,820	S.Y.	\$ 7.00	\$ 47,737.20
4	Remove Existing Concrete (Sidewalk)	2,671	S.Y.	\$ 12.00	\$ 32,050.80
5	Remove Existing Asphalt Pavement	26,158	S.Y.	\$ 15.00	\$ 392,364.00
6	Remove Existing Storm Sewer Pipe	1,682	L.F.	\$ 12.00	\$ 20,184.00
7	Unclassified Street Excavation	13,979	C.Y.	\$ 15.00	\$ 209,685.00
8	Lime Treated Subgrade	39,783	S.Y.	\$ 2.00	\$ 79,565.80
9	Hydrated Lime (28#/S.Y.)	557	Ton	\$ 105.00	\$ 58,480.86
10	10" Reinforced Concrete Pavement	27,885	S.Y.	\$ 45.00	\$ 1,254,834.00
11	10" Reinforced Concrete Pavement (Stamped)	6,999	S.Y.	\$ 50.00	\$ 349,933.00
12	6" Reinforced Monolithic Concrete Curb	7,635	L.F.	\$ 1.50	\$ 11,451.90
13	Full Depth Sawcut	2,191	L.F.	\$ 4.00	\$ 8,764.00
14	8" Flexible Base Material (under Asphalt Transition)	150	S.Y.	\$ 6.50	\$ 971.75
15	3" Hot Mix Asphaltic Concrete Transitions	23	Ton	\$ 60.00	\$ 1,374.00
16	6" Reinforced Concrete Driveway	2,798	S.Y.	\$ 32.00	\$ 89,523.20
17	Reinforced Concrete Retaining Wall (Type 4)	22.7	C.Y.	\$ 600.00	\$ 13,620.00
18	5" Concrete Rip-Rap	17	C.Y.	\$ 200.00	\$ 3,425.93
19	5" Concrete Channel Lining	192	C.Y.	\$ 200.00	\$ 38,472.16
20	Channel Excavation	3,339	C.Y.	\$ 15.00	\$ 50,085.00
21	Barrier Free Ramps	24	Ea.	\$ 1,500.00	\$ 36,000.00

Client: Town of Addison
 Project: Addison Road Improvements
Belt Line Road to Keller Springs Road

Date: 7/14/00
 By: EWB

ENGINEER'S OPINION OF CONSTRUCTION COST

0

Item No.	Description	Quantity	Unit	Price	Amount
22	18" Solid White Thermoplastic Stripe	424	L.F.	\$ 5.00	\$ 2,120.00
23	4" White Single Reflective Button (Type I-C)	372	Ea.	\$ 3.50	\$ 1,302.00
24	4" White Button (Type W)	1,280	Ea.	\$ 3.50	\$ 4,480.00
25	4" Yellow Button (Type Y)	2,644	Ea.	\$ 3.50	\$ 9,254.00
26	4" Yellow Double Reflective Button	888	Ea.	\$ 3.50	\$ 3,108.00
27	4" Jiggle Bar (Yellow)(Type Y)	126	Ea/	\$ 4.00	\$ 504.00
28	12" P.V.C. Storm Sewer Pipe	6	L.F.	\$ 25.00	\$ 150.00
29	Reinforced Concrete Pipe Class III - 18"	916	L.F.	\$ 40.00	\$ 36,640.00
30	Reinforced Concrete Pipe Class III - 21"	297	L.F.	\$ 50.00	\$ 14,850.00
31	Reinforced Concrete Pipe Class III - 24"	340	L.F.	\$ 55.00	\$ 18,700.00
32	Reinforced Concrete Pipe Class III - 30"	550	L.F.	\$ 60.00	\$ 33,000.00
33	Reinforced Concrete Pipe Class III - 33"	1,540	L.F.	\$ 67.00	\$ 103,180.00
34	Reinforced Concrete Pipe Class III - 36"	188	L.F.	\$ 96.00	\$ 18,048.00
34A	Reinforced Concrete Pipe Class III - 39"	134	L.F.	\$ 110.00	\$ 14,740.00
35	Reinforced Concrete Pipe Class III - 42"	299	L.F.	\$ 130.00	\$ 38,870.00
36	Reinforced Concrete Pipe Class III - 48"	55	L.F.	\$ 150.00	\$ 8,250.00
37	Reinforced Concrete Pipe Class III - 51"	95	L.F.	\$ 180.00	\$ 17,100.00
38	6' Recessed Inlet	2	Ea.	\$ 2,500.00	\$ 5,000.00
39	8' Recessed Inlet	17	Ea.	\$ 3,000.00	\$ 51,000.00
40	8' Recessed Inlet w/ Opening in Back	1	Ea.	\$ 3,500.00	\$ 3,500.00
41	10' Recessed Inlet	7	Ea.	\$ 3,500.00	\$ 24,500.00

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

Project No. 98143

Client: Town of Addison
 Project: Addison Road Improvements
Belt Line Road to Keller Springs Road

Date: 7/14/00
 By: EWB

ENGINEER'S OPINION OF CONSTRUCTION COST

0

Item No.	Description	Quantity	Unit	Price	Amount
	Total:				\$ 4,000,000.00
				USE:	

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

Project No. 1999137

Client: Town of Addison

Date: 7/14/99

Project: Addison Road Paving and Drainage Improvements

Keller Springs to Westgrove (2,600 Linear Feet)

By: PAC/JWB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
1	Furnish and Install 8-Inch Reinforced Concrete Pavement	15,530	S.Y.	\$ 41.00	\$ 636,730.00
2	Furnish and Install 6-Inch Monolithic Curb	4,975	L.F.	\$ 2.00	\$ 9,950.00
3	Furnish and Install 6-Inch Lime Stabilized Subgrade	17,700	S.Y.	\$ 2.25	\$ 39,825.00
4	Furnish and Install Hydrated Lime	266	TONS	\$ 115.00	\$ 30,590.00
5	Preparing Right-Of-Way	26	STA.	\$ 600.00	\$ 15,720.00
6	Furnish and Install 4-Inch Concrete Median	250	S.Y.	\$ 30.00	\$ 7,500.00
7	Furnish and Install 8-Inch Stamped Concrete Pavement	2,830	S.Y.	\$ 51.00	\$ 144,330.00
8	Furnish and Install 4-Inch Reinforced Concrete Sidewalk	1,000	S.Y.	\$ 35.00	\$ 35,000.00
9	Furnish and Install 10-Foot Recessed Storm Inlet	16	EA.	\$ 3,400.00	\$ 54,400.00
10	Furnish and Install 18-Inch Class III RCP Storm Sewer	540	L.F.	\$ 45.00	\$ 24,300.00
11	Furnish and Install 21-Inch Class III RCP Storm Sewer	165	L.F.	\$ 49.00	\$ 8,085.00
12	Furnish and Install 24-Inch Class III RCP Storm Sewer	190	L.F.	\$ 54.00	\$ 10,260.00
13	Furnish and Install 30-Inch Class III RCP Storm Sewer	400	L.F.	\$ 65.00	\$ 26,000.00
14	Furnish and Install 33-Inch Class III RCP Storm Sewer	630	L.F.	\$ 72.00	\$ 45,360.00
15	Furnish and Install 36-Inch Class III RCP Storm Sewer	280	L.F.	\$ 77.00	\$ 21,560.00
16	Furnish and Install 39-Inch Class III RCP Storm Sewer	130	L.F.	\$ 92.00	\$ 11,960.00
17	Furnish and Install 42-Inch Class III RCP Storm Sewer	150	L.F.	\$ 97.00	\$ 14,550.00
18	Furnish and Install 48-Inch Class III RCP Storm Sewer	100	L.F.	\$ 125.00	\$ 12,500.00
19	Furnish and Install 51-Inch Class III RCP Storm Sewer	100	L.F.	\$ 134.00	\$ 13,400.00

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

Project No. 1999137

Client: Town of Addison

Date: 7/14/99

Project: Addison Road Paving and Drainage Improvements

Keller Springs to Westgrove (2,600 Linear Feet)

By: PAC/JWB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
20	Furnish and Install Solid Sod	4,840	S.Y.	\$ 10.00	\$ 48,400.00
21	Furnish, Install and Maintain Traffic Control	2,600	L.F.	\$ 15.00	\$ 39,000.00
22	Unclassified Roadway Excavation	11,300	C.Y.	\$ 18.00	\$ 203,400.00
23	Remove Existing Reinforced Concrete Pavement Inc Curb and Gutter	3,760	S.Y.	\$ 20.00	\$ 75,200.00
24	Remove Existing Concrete Sidewalk	1,000	S.Y.	\$ 10.00	\$ 10,000.00
23	Furnish and Install 8-Inch Reinforced Concrete Driveway Return	2,600	S.Y.	\$ 40.00	\$ 104,000.00
25	Furnish and Install Traffic Buttons	2,080	EA.	\$ 6.00	\$ 12,480.00
26	Furnish and Install 3-Inch Traffic Signal Conduit	1,300	L.F.	\$ 20.00	\$ 26,000.00
27	Furnish and Install 4-Inch Street Light Conduit	5,200	L.F.	\$ 22.00	\$ 114,400.00
28	Furnish and Install Street Light and Base	26	EA.	\$ 4,750.00	\$ 123,500.00
	Subtotal:				\$ 1,918,400.00
	Contingencies and Miscellaneous Items:	20%			\$ 383,680.00
	Engineering:	10%			\$ 230,208.00
	Quality Control:	4%			\$ 92,083.20
	Total:				\$ 2,624,371.20
	Easements:	78,000	S.F.	\$ 5.00	\$ 390,000.00
	Utility Ducts:	2,600	L.F.	\$ 750.00	\$ 1,950,000.00
				USE:	\$ 5,000,000.00

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

Project No. 1999137

Client: Town of Addison
 Project: Addison Road Paving and Drainage Improvements (2,650 Linear Feet)
Addison Circle to Keller Springs (Inc. Addison Circle and Keller Springs Intersection)

Date: 7/14/99
 By: PAC/JWB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
1	Furnish and Install 8-Inch Reinforced Concrete Pavement	17,160	S.Y.	\$ 38.00	\$ 652,080.00
2	Furnish and Install 6-Inch Monolithic Curb	4,975	L.F.	\$ 2.25	\$ 11,193.75
3	Furnish and Install 6-Inch Lime Stabilized Subgrade	21,240	S.Y.	\$ 2.50	\$ 53,100.00
4	Furnish and Install Hydrated Lime	320	TONS	\$ 105.00	\$ 33,600.00
5	Preparing Right-Of-Way	26	STA.	\$ 550.00	\$ 14,410.00
6	Furnish and Install 4-Inch Concrete Median	117	S.Y.	\$ 28.00	\$ 3,276.00
7	Furnish and Install 8-Inch Stamped Concrete Pavement	3,365	S.Y.	\$ 48.00	\$ 161,520.00
8	Furnish and Install 4-Inch Reinforced Concrete Sidewalk	1,425	S.Y.	\$ 33.00	\$ 47,025.00
9	Furnish and Install 10-Foot Recessed Storm Inlet	24	EA.	\$ 3,100.00	\$ 74,400.00
10	Furnish and Install 18-Inch Class III RCP Storm Sewer	620	L.F.	\$ 41.00	\$ 25,420.00
11	Furnish and Install 21-Inch Class III RCP Storm Sewer	175	L.F.	\$ 45.00	\$ 7,875.00
12	Furnish and Install 24-Inch Class III RCP Storm Sewer	325	L.F.	\$ 50.00	\$ 16,250.00
13	Furnish and Install 27-Inch Class III RCP Storm Sewer	15	L.F.	\$ 55.00	\$ 825.00
14	Furnish and Install 30-Inch Class III RCP Storm Sewer	445	L.F.	\$ 60.00	\$ 26,700.00
15	Furnish and Install 33-Inch Class III RCP Storm Sewer	925	L.F.	\$ 68.00	\$ 62,900.00
16	Furnish and Install 36-Inch Class III RCP Storm Sewer	30	L.F.	\$ 73.00	\$ 2,190.00
18	Furnish and Install Solid Sod	4,840	S.Y.	\$ 10.00	\$ 48,400.00
19	Furnish, Install and Maintain Traffic Control	2,650	L.F.	\$ 12.00	\$ 31,800.00

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

Project No. 1999137

Client: Town of Addison
 Project: Addison Road Paving and Drainage Improvements (2,650 Linear Feet)
Addison Circle to Keller Springs (Inc. Addison Circle and Keller Springs Intersection)

Date: 7/14/99
 By: PAC/JWB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
20	Unclassified Roadway Excavation	11,300	C.Y.	\$ 15.00	\$ 169,500.00
21	Remove Existing Reinforced Concrete Pavement Inc Curb and Gutter	3,800	S.Y.	\$ 18.00	\$ 68,400.00
22	Remove Existing Concrete Sidewalk	1,425	S.Y.	\$ 10.00	\$ 14,250.00
23	Furnish and Install 8-Inch Reinforced Concrete Driveway Return	3,250	S.Y.	\$ 40.00	\$ 130,000.00
24	Furnish and Install Traffic Buttons	2,120	EA.	\$ 5.00	\$ 10,600.00
25	Furnish and Install Traffic Signal Interconnect	1	L.S.	\$ 20,000.00	\$ 20,000.00
26	Furnish and Install 3-Inch Traffic Signal Conduit	1,300	L.F.	\$ 25.00	\$ 32,500.00
27	Furnish and Install 4-Inch Street Light Conduit	5,300	L.F.	\$ 27.00	\$ 143,100.00
28	Furnish and Install Street Light and Base	28	EA.	\$ 5,000.00	\$ 140,000.00
29	Furnish and Install Traffic Signal	1	L.S.	\$ 100,000.00	\$ 100,000.00
	Subtotal:				\$ 2,101,314.75
	Contingencies and Miscellaneous Items:	20%			\$ 420,262.95
	Engineering:	10%			\$ 252,157.77
	Quality Control:	4%			\$ 100,863.11
	Total:				\$ 2,874,598.58
	Easements:	79,500	S.F.	\$ 5.00	\$ 397,500.00
	Utility Ducts:	2,650	L.F.	\$ 750.00	\$ 1,987,500.00
				USE:	\$ 5,260,000.00

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

Project No. 1999137

Client: Town of Addison

Date: 7/14/99

Project: Addison Road Paving and Drainage Improvements

Beltline Road to Addison Circle (Addison Circle Intersection Not Included, 2,525 L.F.)

By: PAC/JWB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
1	Furnish and Install 8-Inch Reinforced Concrete Pavement	14,630	S.Y.	\$ 35.00	\$ 512,050.00
2	Furnish and Install 6-Inch Monolithic Curb	4,620	L.F.	\$ 2.00	\$ 9,240.00
3	Furnish and Install 6-Inch Lime Stabilized Subgrade	20,170	S.Y.	\$ 2.00	\$ 40,340.00
4	Furnish and Install Hydrated Lime	303	TONS	\$ 100.00	\$ 30,300.00
5	Preparing Right-Of-Way	26	STA.	\$ 500.00	\$ 13,100.00
6	Furnish and Install 4-Inch Concrete Median	135	S.Y.	\$ 25.00	\$ 3,375.00
7	Furnish and Install 8-Inch Stamped Concrete Pavement	3,640	S.Y.	\$ 45.00	\$ 163,800.00
8	Furnish and Install 4-Inch Reinforced Concrete Sidewalk	972	S.Y.	\$ 30.00	\$ 29,160.00
9	Furnish and Install 10-Foot Recessed Storm Inlet	16	EA.	\$ 3,000.00	\$ 48,000.00
10	Furnish and Install 18-Inch Class III RCP Storm Sewer	453	L.F.	\$ 43.00	\$ 19,479.00
11	Furnish and Install 21-Inch Class III RCP Storm Sewer	150	L.F.	\$ 47.00	\$ 7,050.00
12	Furnish and Install 24-Inch Class III RCP Storm Sewer	55	L.F.	\$ 52.00	\$ 2,860.00
13	Furnish and Install 30-Inch Class III RCP Storm Sewer	341	L.F.	\$ 63.00	\$ 21,483.00
14	Furnish and Install 33-Inch Class III RCP Storm Sewer	330	L.F.	\$ 70.00	\$ 23,100.00
15	Furnish and Install 36-Inch Class III RCP Storm Sewer	532	L.F.	\$ 75.00	\$ 39,900.00
16	Furnish and Install 39-Inch Class III RCP Storm Sewer	133	L.F.	\$ 90.00	\$ 11,970.00
17	Furnish and Install 42-Inch Class III RCP Storm Sewer	295	L.F.	\$ 95.00	\$ 28,025.00
18	Furnish and Install 48-Inch Class III RCP Storm Sewer	54	L.F.	\$ 120.00	\$ 6,480.00
19	Furnish and Install 51-Inch Class III RCP Storm Sewer	95	L.F.	\$ 130.00	\$ 12,350.00

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

Project No. 1999137

Client: Town of Addison

Date: 7/14/99

Project: Addison Road Paving and Drainage Improvements

Beltline Road to Addison Circle (Addison Circle Intersection Not Included, 2,525 L.F.)

By: PAC/JWB

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
20	Furnish and Install Solid Sod	4,840	S.Y.	\$ 10.00	\$ 48,400.00
21	Furnish, Install and Maintain Traffic Control	2,525	L.F.	\$ 12.00	\$ 30,300.00
22	Unclassified Roadway Excavation	11,300	C.Y.	\$ 12.00	\$ 135,600.00
23	Remove Existing Reinforced Concrete Pavement Inc Curb and Gutter	3,760	S.Y.	\$ 15.00	\$ 56,400.00
24	Remove Existing Concrete Sidewalk	972	S.Y.	\$ 10.00	\$ 9,720.00
25	Furnish and Install 8-Inch Reinforced Concrete Driveway Return	4,550	S.Y.	\$ 40.00	\$ 182,000.00
26	Furnish and Install Traffic Buttons	2,020	EA.	\$ 5.00	\$ 10,100.00
27	Furnish and Install Traffic Signal Interconnect	1	L.S.	\$ 20,000.00	\$ 20,000.00
28	Furnish and Install 3-Inch Traffic Signal Conduit	1,300	L.F.	\$ 20.00	\$ 26,000.00
29	Furnish and Install 4-Inch Street Light Conduit	5,050	L.F.	\$ 22.00	\$ 111,100.00
30	Furnish and Install Street Light and Base	25	EA.	\$ 4,750.00	\$ 118,750.00
	Subtotal:				\$ 1,770,432.00
	Contingencies and Miscellaneous Items:	20%			\$ 354,086.40
	Engineering:	10%			\$ 212,451.84
	Quality Control:	4%			\$ 84,980.74
	Total:				\$ 2,421,950.98
	Easements:	75,750	S.F.	\$ 5.00	\$ 378,750.00
	Utility Ducts:	2,525	L.F.	\$ 750.00	\$ 1,893,750.00
				USE:	\$ 4,700,000.00