

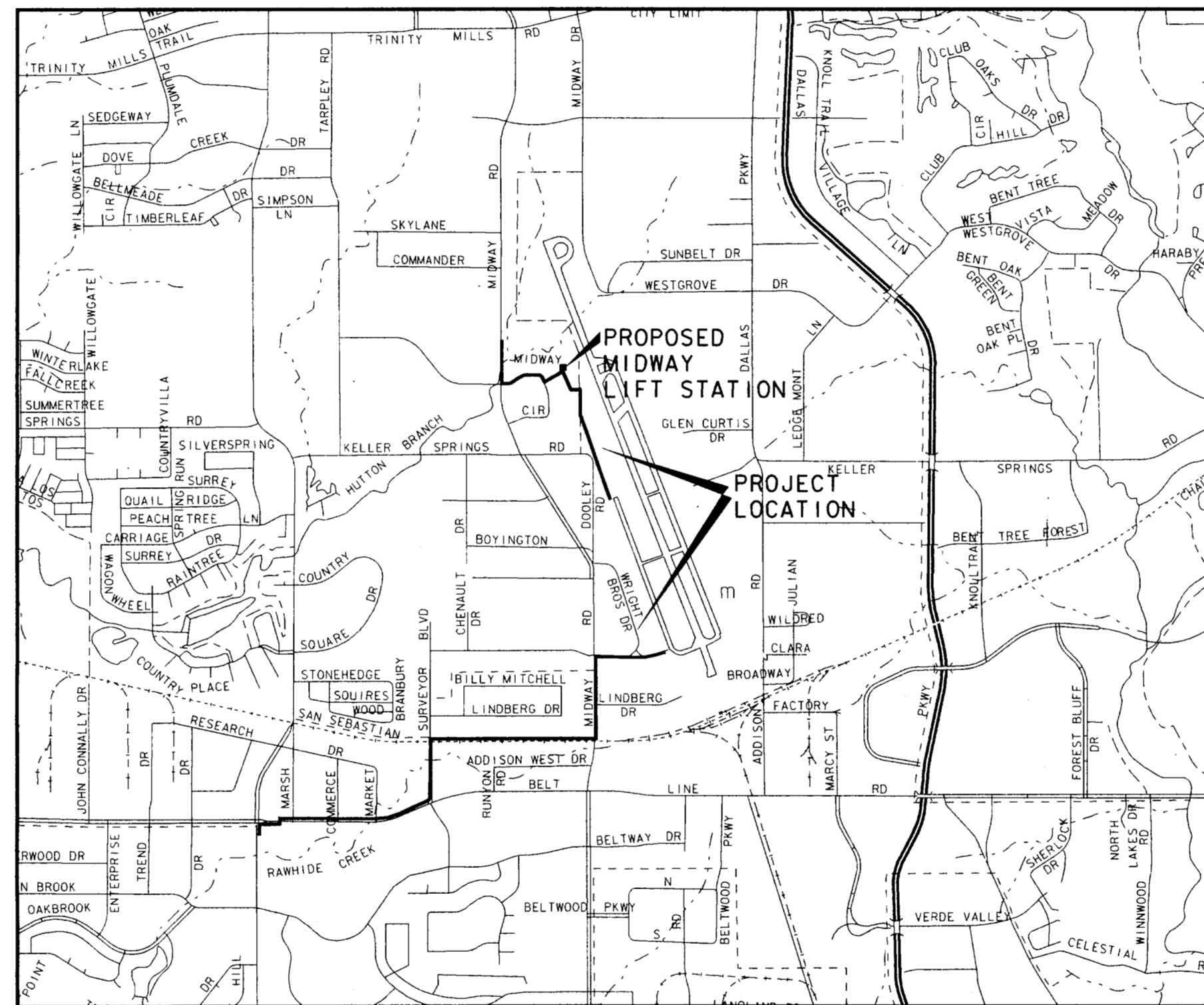
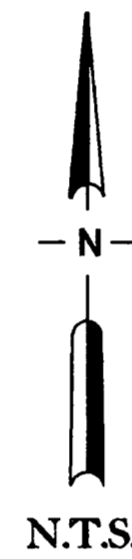
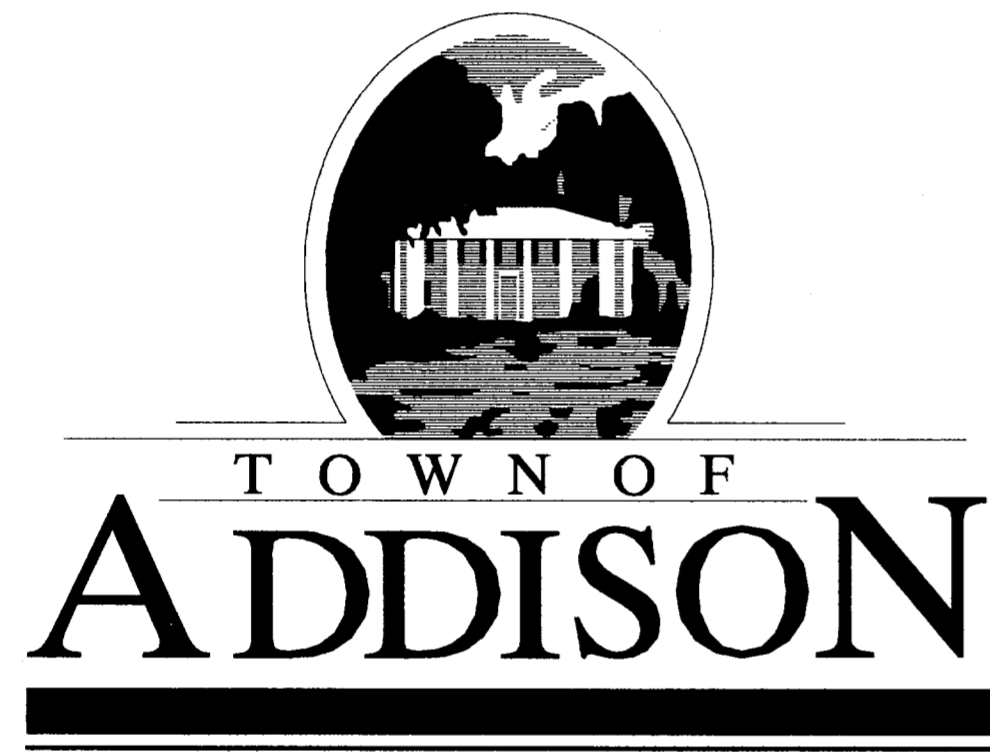
TOWN OF ADDISON, TEXAS

MIDWAY/BELT LINE SEWER IMPROVEMENTS

PHASE II

FROM MARSH LANE & BELTLINE RD. TO ADDISON AIRPORT

APRIL 5, 1996

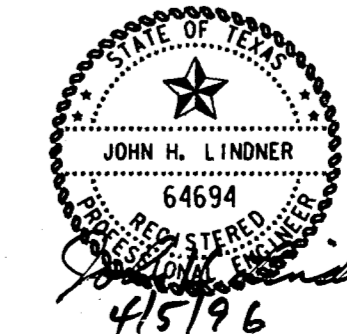
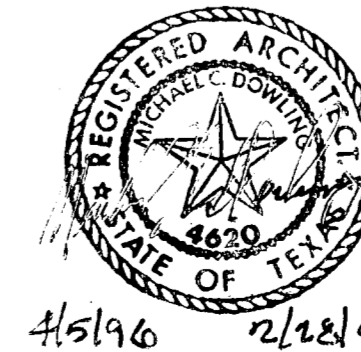


VICINITY MAP

SUBMITTED BY:
 CARTER & BURGESS, INC. *John H. Lindner* 6/12/96
John Lindner - Project Manager Date

APPROVED BY:
 TOWN OF ADDISON _____
John Baumgartner - Director of Public Works Date

SEWER IMPROVEMENTS
 FROM MARSH LANE & BELTLINE RD.
 TO ADDISON AIRPORT
 PHASE II
 APRIL 5, 1996



Carter & Burgess
 Consultants in Engineering, Architecture,
 Planning and the Environment
 CARTER & BURGESS, INC.
 7950 ELMBROOK DRIVE, SUITE 250
 DALLAS, TX 75247-4861

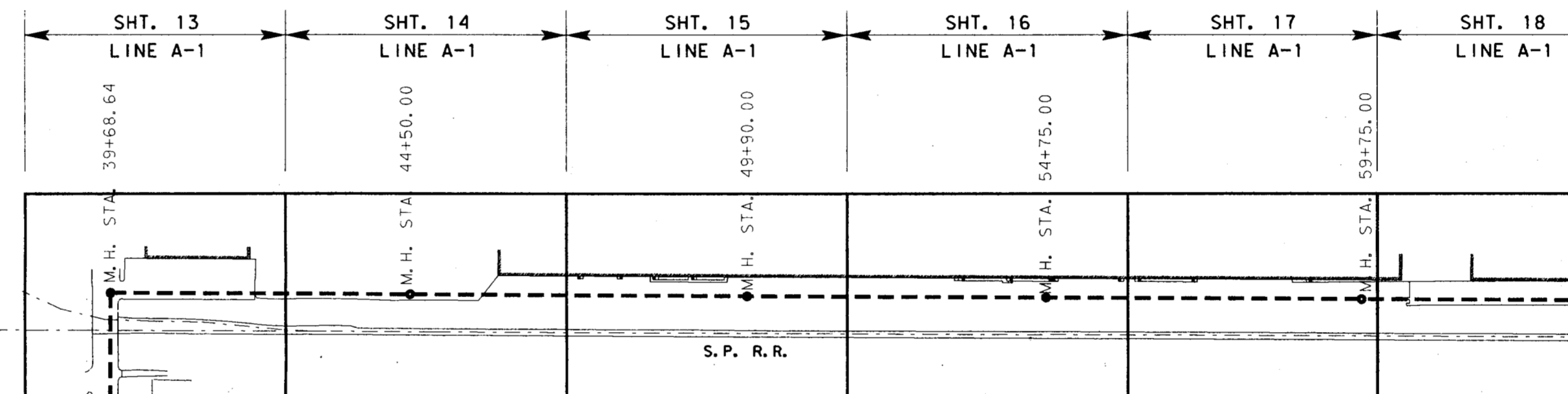
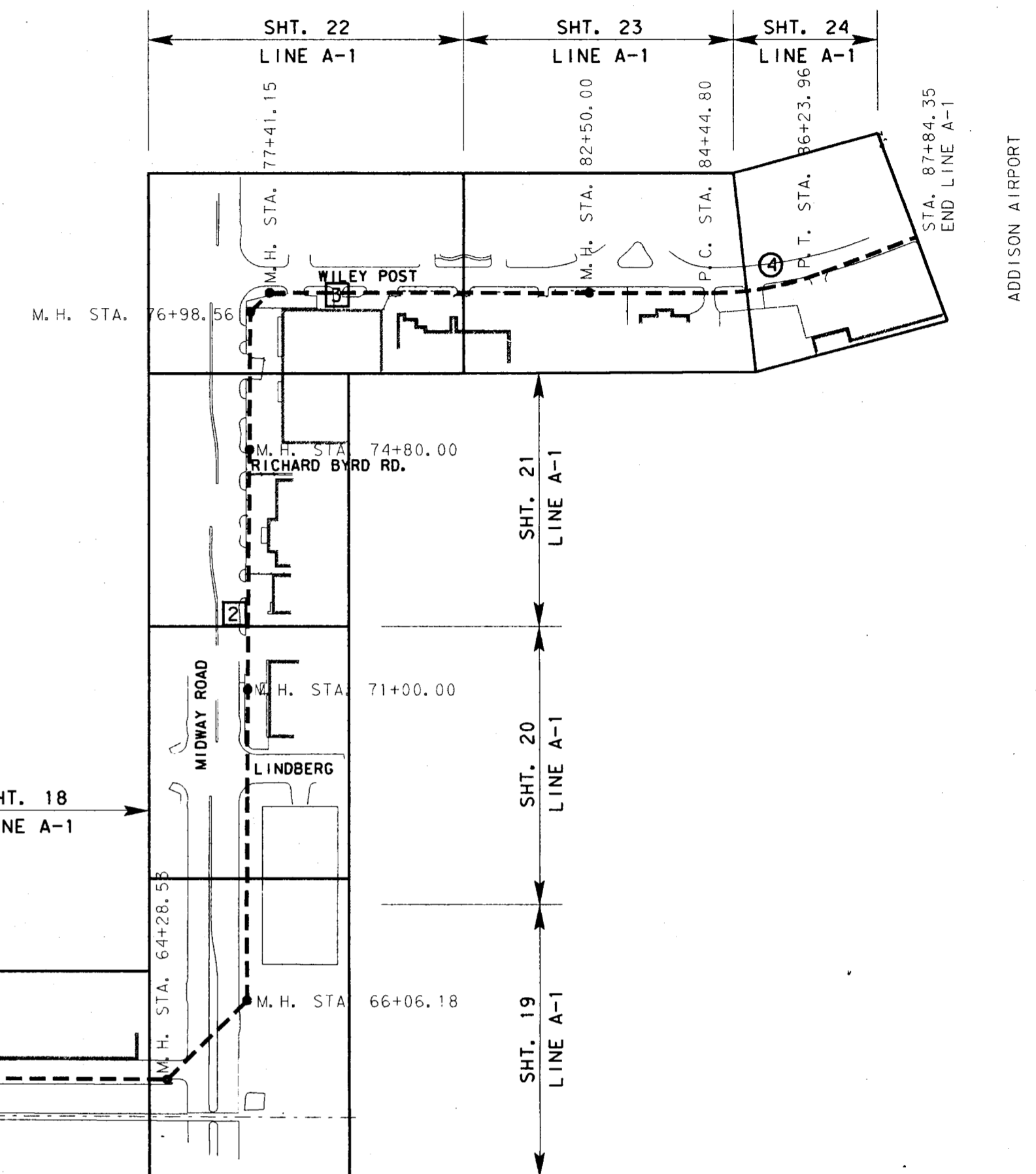
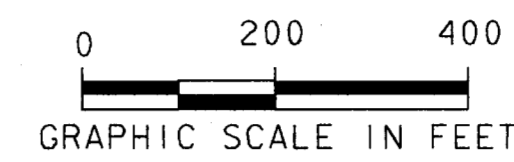
INDEX OF SHEETS

SHEET NO.	DRAWING TITLE
1	COVER SHEET
2	INDEX AND SHEET LAYOUT LINES A-1 & A-3
3	SHEET LAYOUT LINES A-2, B & C
4	GENERAL NOTES
5	PLAN & PROFILE STA. 0+00 TO 4+50 LINE A-1
6	PLAN & PROFILE STA. 4+50 TO 9+00 LINE A-1
7	PLAN & PROFILE STA. 9+00 TO 13+50 LINE A-1
8	PLAN & PROFILE STA. 13+50 TO 18+00 LINE A-1
9	PLAN & PROFILE STA. 18+00 TO 22+50 LINE A-1
10	PLAN & PROFILE STA. 0+00 TO 1+29.50 LINE A-3
11	PLAN & PROFILE STA. 22+50 TO 27+00 LINE A-1
12	PLAN & PROFILE STA. 27+00 TO 31+00 LINE A-1
13	PLAN & PROFILE STA. 31+00 TO 34+50 LINE A-1
14	PLAN & PROFILE STA. 34+50 TO 38+00 LINE A-1
15	PLAN & PROFILE STA. 38+00 TO 42+50 LINE A-1
16	PLAN & PROFILE STA. 42+50 TO 47+00 LINE A-1
17	PLAN & PROFILE STA. 47+00 TO 51+50 LINE A-1
18	PLAN & PROFILE STA. 51+50 TO 56+00 LINE A-1
19	PLAN & PROFILE STA. 56+00 TO 60+00 LINE A-1
20	PLAN & PROFILE STA. 60+00 TO 64+00 LINE A-1
21	PLAN & PROFILE STA. 64+00 TO 68+00 LINE A-1
22	PLAN & PROFILE STA. 68+00 TO 72+00 LINE A-1
23	PLAN & PROFILE STA. 72+00 TO 76+00 LINE A-1
24	PLAN & PROFILE STA. 76+00 TO 80+50 LINE A-1
25	PLAN & PROFILE STA. 80+50 TO 85+00 LINE A-1
26	PLAN & PROFILE STA. 85+00 TO 87+84.35 LINE A-1
27	PLAN & PROFILE STA. 115+37.35 TO 119+50 LINE A-2
28	PLAN & PROFILE STA. 119+50 TO 124+00 LINE A-2
29	PLAN & PROFILE STA. 124+00 TO 128+50 LINE A-2
30	PLAN & PROFILE STA. 128+50 TO 132+00 LINE A-2
31	PLAN & PROFILE STA. 132+00 TO 136+50 LINE A-2
32	PLAN & PROFILE STA. 136+50 TO 139+95.27 LINE A-2
33	PLAN & PROFILE STA. 0+90 TO 5+00 LINE B
34	PLAN & PROFILE STA. 5+00 TO 9+00 LINE B
35	PLAN & PROFILE STA. 9+00 TO 13+50 LINE B
36	PLAN & PROFILE STA. 13+50 TO 17+68.31 LINE B
37	PLAN & PROFILE STA. 0+00 TO 3+37.66 LINE C
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39	SANITARY SEWER DETAILS - SHEET 2
40	ABANDONMENT DETAIL SHEET
41	LIFT STATION SITE & GRADING PLAN
42	LIFT STATION - FLOOR PLAN
43	LIFT STATION - ARCHITECTURAL BUILDING SECTIONS
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47	LIFT STATION - STRUCTURAL PLANS & GENERAL NOTES
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50	LIFT STATION - STRUCTURAL DETAILS - SHEET 1
51	LIFT STATION - STRUCTURAL DETAILS - SHEET 2
52	LIFT STATION - MECHANICAL PLAN & SECTION
53	LIFT STATION - MECHANICAL PLAN SECTIONS
54	LIFT STATION - HVAC FLOOR PLANS
55	LIFT STATION - HVAC SECTIONS
56	LIFT STATION - ELECTRICAL SYMBOLS & ABBREVIATIONS
57	LIFT STATION - ELECTRICAL SITE PLAN
58	LIFT STATION - ELECTRICAL FLOOR PLAN
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60	LIFT STATION - ELECTRICAL DETAILS
61	LIFT STATION - ELECTRICAL SCHEDULES
62	LIFT STATION - LANDSCAPE ARCHITECTURAL SITE PLAN
63	LIFT STATION - LANDSCAPE ARCHITECTURAL DETAILS
64	LIFT STATION - IRRIGATION SITE PLAN
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BENCH MARKS

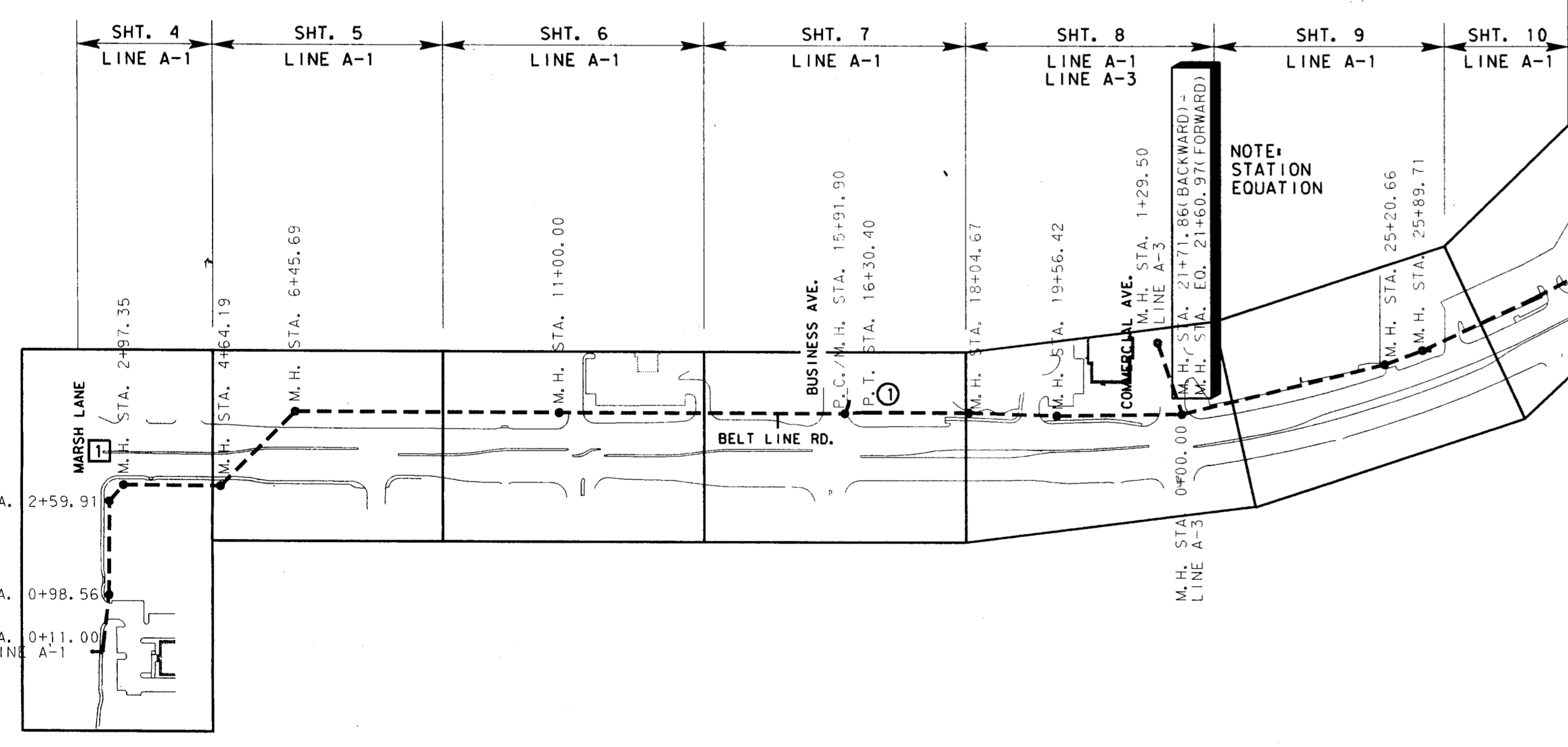
- 1 BM NO. 9A
SQUARE BOX CUT IN NOSE OF MEDIAN IN CENTERLINE BELTLINE DRIVE APPROXIMATELY 50 FEET EAST OF CENTERLINE INTERSECTION WITH MARSH LANE. ELEVATION - 571.24
- 2 BM NO. 38
"X" CUT IN BRAK-O PARKING LOT APPROXIMATELY 16 FEET EAST OF THE EAST RECESSED CURB LINE OF MIDWAY RD. AND APPROXIMATELY 550 FEET SOUTH OF THE CENTERLINE INTERSECTION OF WILEY POST RD. AND MIDWAY RD. ELEVATION - 624.95
- 3 BM NO. P100
"X" CUT IN CONCRETE ENTRANCE OF PARKING LOT SOUTH SIDE OF WILEY POST ROAD APPROXIMATELY 280 FEET EAST OF THE CENTERLINE OF MIDWAY ROAD. ELEVATION - 635.26

CURVE NO.	Δ	R	T	L
1	4° 24' 46"	500.00'	19.26'	38.50'
2	5° 16' 16"	300.00'	13.81'	27.60'
3	6° 25' 01"	300.00'	16.82'	33.60'
4	20° 31' 49"	500.00'	90.56'	179.16'



STATION	POINT	COORDINATES	
		NORTHING	EASTING
0+11.00	BEGIN PIPE	468255.23	2197768.81
0+98.56	M. H.	468342.09	2197779.85
2+59.91	M. H.	468503.44	2197779.79
2+97.35	M. H.	468531.59	2197804.47
4+64.19	M. H.	468531.14	2197971.31
6+45.69	M. H.	468659.48	2198099.65
11+00.00	M. H.	468658.76	2198553.96
15+91.90	M. H./P. C.	468657.97	2199045.86
16+30.40	P. T.	468660.30	2199084.28
18+04.67	M. H.	468659.78	2199258.55
19+56.42	M. H.	468654.77	2199410.21
21+71.86	M. H.	468657.50	2199625.63
21+60.97	M. H./STA. EQ.	468657.50	2199625.63
25+20.66	M. H.	468743.17	2199974.98
25+89.71	M. H.	468767.27	2200039.68
29+51.57	M. H.	468924.43	2200365.63
30+50.78	M. H./P. C./STA. EQ.	469105.72	2200448.23
31+41.41	M. H./P. C.	469105.72	2200448.23
31+69.01	P. T.	469133.25	2200446.52
32+48.66	P. C.	469212.44	2200437.95
32+82.26	P. T.	469245.98	2200436.20
35+72.53	M. H.	469536.24	2200437.38
36+82.90	M. H.	469646.39	2200430.32
39+68.64	M. H.	469932.13	2200431.51
44+50.00	M. H.	469929.66	2200912.87
49+90.00	M. H.	469926.83	2201452.86
54+75.00	M. H.	469924.42	2201931.34
59+75.00	M. H.	469921.82	2202437.84
64+28.53	M. H.	469919.49	2202891.37
66+06.18	M. H.	470044.46	2203017.63
71+00.00	M. H.	470538.27	2203020.00
74+80.00	M. H.	470918.27	2203023.32
76+98.56	M. H.	471136.82	2203025.06
77+41.15	M. H.	4471166.79	2203055.17
82+50.00	M. H.	471166.50	2203564.03
84+44.80	P. C.	471166.35	2203758.82
86+23.96	P. T.	471198.00	2203934.20
87+84.35	END	471254.15	2204084.44

STATION	POINT	COORDINATES	
		NORTHING	EASTING
0+00.00	M. H.	468657.50	2199625.63
1+29.50	M. H.	468780.13	2199584.01



NO.	DATE	REVISION	APPROV.
4			
3	9-4-98	AS BUILT DRAWING	J. H. L.
2	10-29-98	REVISED MANHOLE LOCATION	J. H. L.

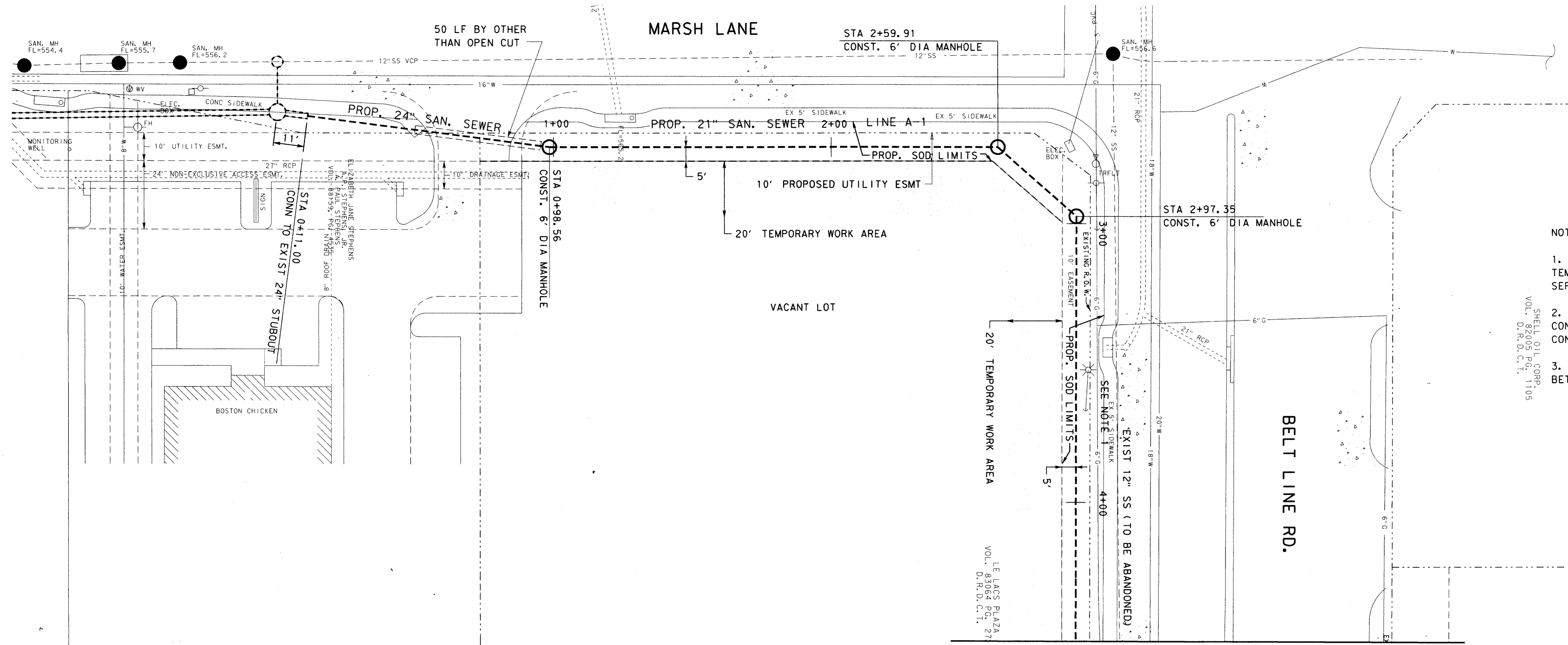
TOWN OF ADDISON, TEXAS
MIDWAY/BELTLINE SANITARY SEWER
PHASE II
INDEX AND SHEET LAYOUT
LINES A-1 AND A-3



Consultants in Engineering, Architecture,
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CARTER & BURGESS, INC.
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DALLAS, TX 75247-4961

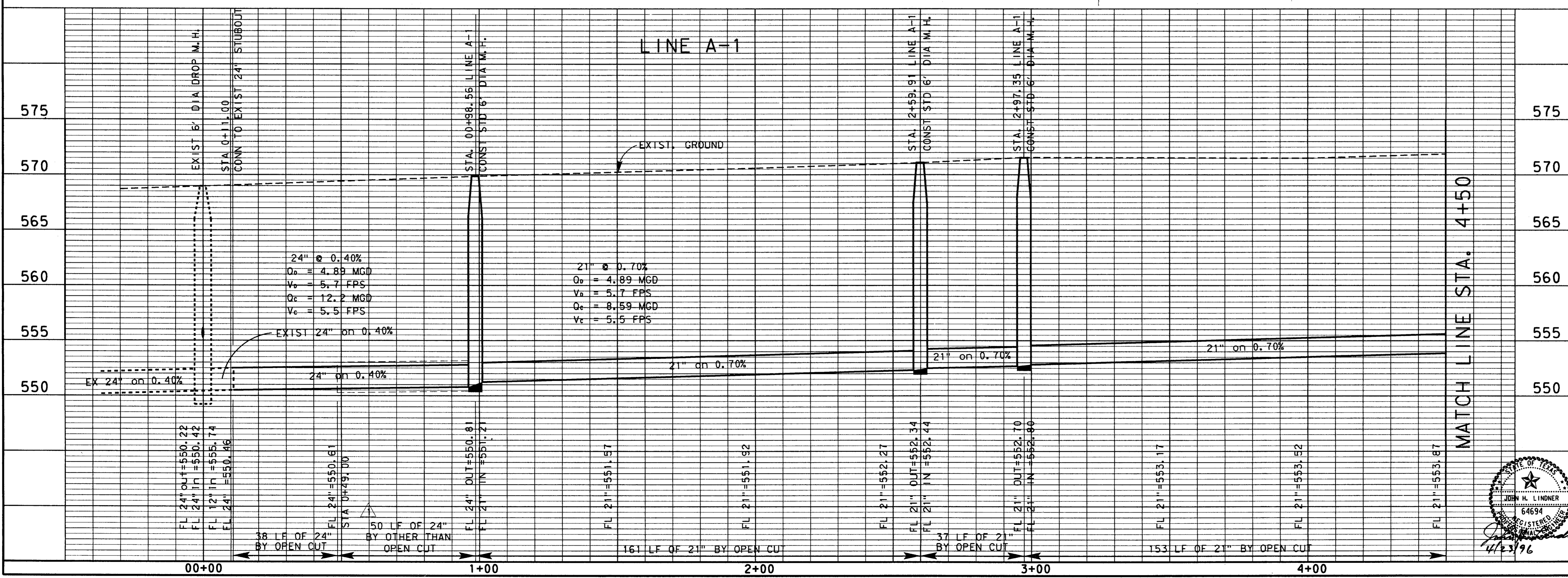
Unit	Scale	Date			
1"=200'	04-05-96				
Designed	J. Lindner	Checked	J. Lindner	Job No.	93327601D
Drawn	R. Howman	Approved	J. Lindner	Sheet	1 of 63

JOHN H. LINDNER
REGISTERED PROFESSIONAL ENGINEER
64694
10/30/96



- NOTES:
- 1. CONTRACTOR SHALL BRACE POWER POLES OR TEMP. RELOCATE AS NECESSARY. NOT A SEPARATE PAY ITEM.
 - 2. CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONSTRUCTION WORK ON THE ADJACENT PROPERTY.
 - 3. NO LANE CLOSURES ON BELTLINE ROAD BETWEEN 6:00 AM THRU 10:00 PM

MATCH LINE STA. 4+50



NO.	DATE	REVISION	APPROV.
4			
3			
2	9-4-98	AS BUILT DRAWING	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.

TOWN OF ADDISON, TEXAS
MIDWAY/BELTLINE SANITARY SEWER PHASE II
LINE A-1
FROM STATION 0+11 TO STATION 4+50

Carter Burgess
Consultants in Engineering, Architecture,
Planning and the Environment
CARTER & BURGESS, INC.
7950 ELMBROOK DRIVE, SUITE 250
DALLAS, TX 75247-4361

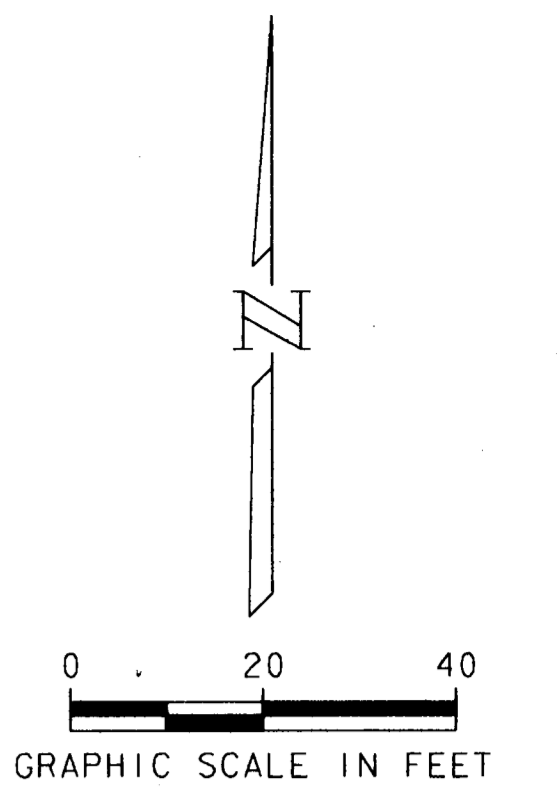
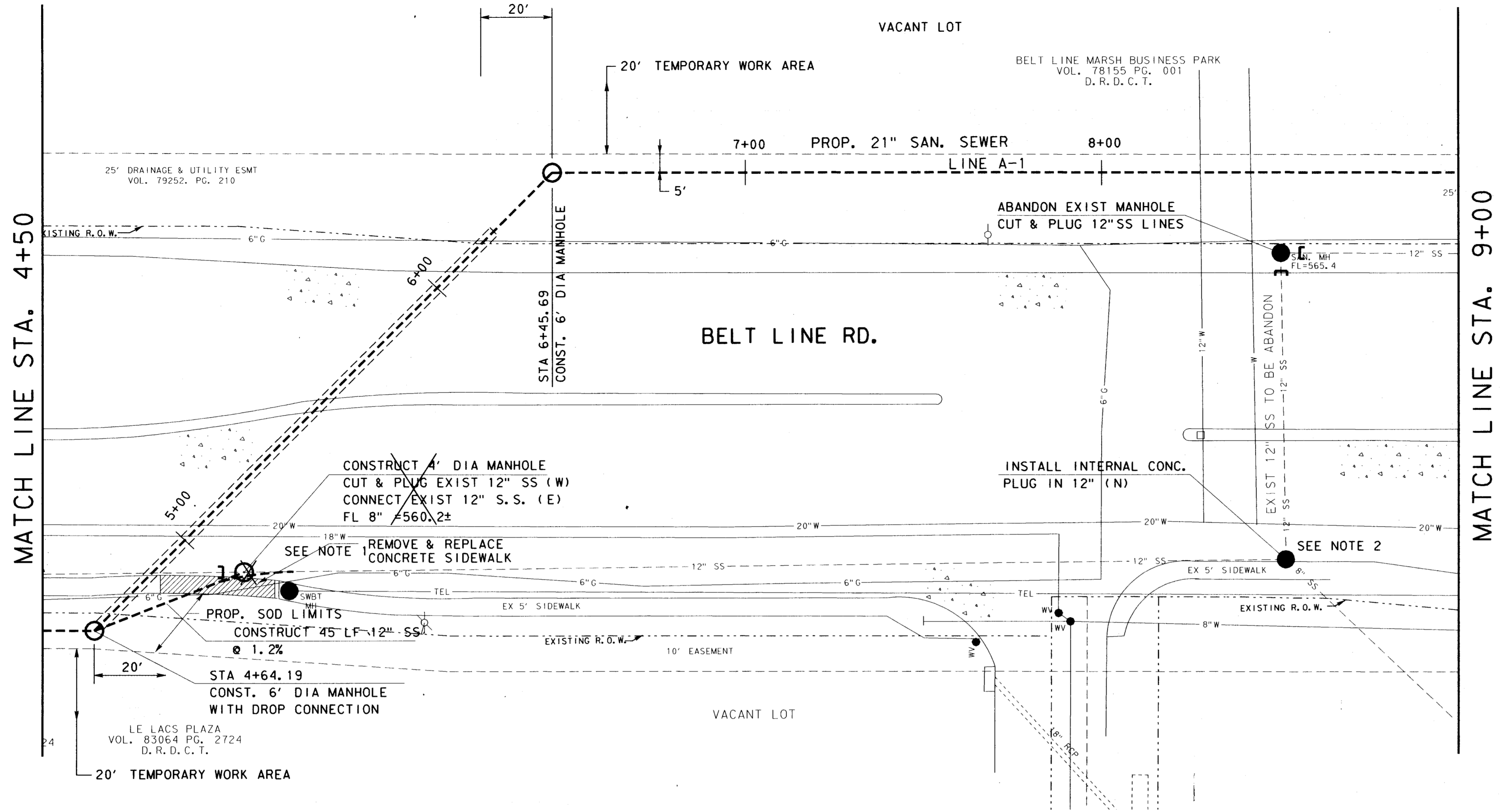
Unit: Hor 1", 1"=20'
Scale: Vert. 1"=5'
Date: 04-05-96

Designed: J. Lindner
Checked: J. Lindner
Job No.: 933276010

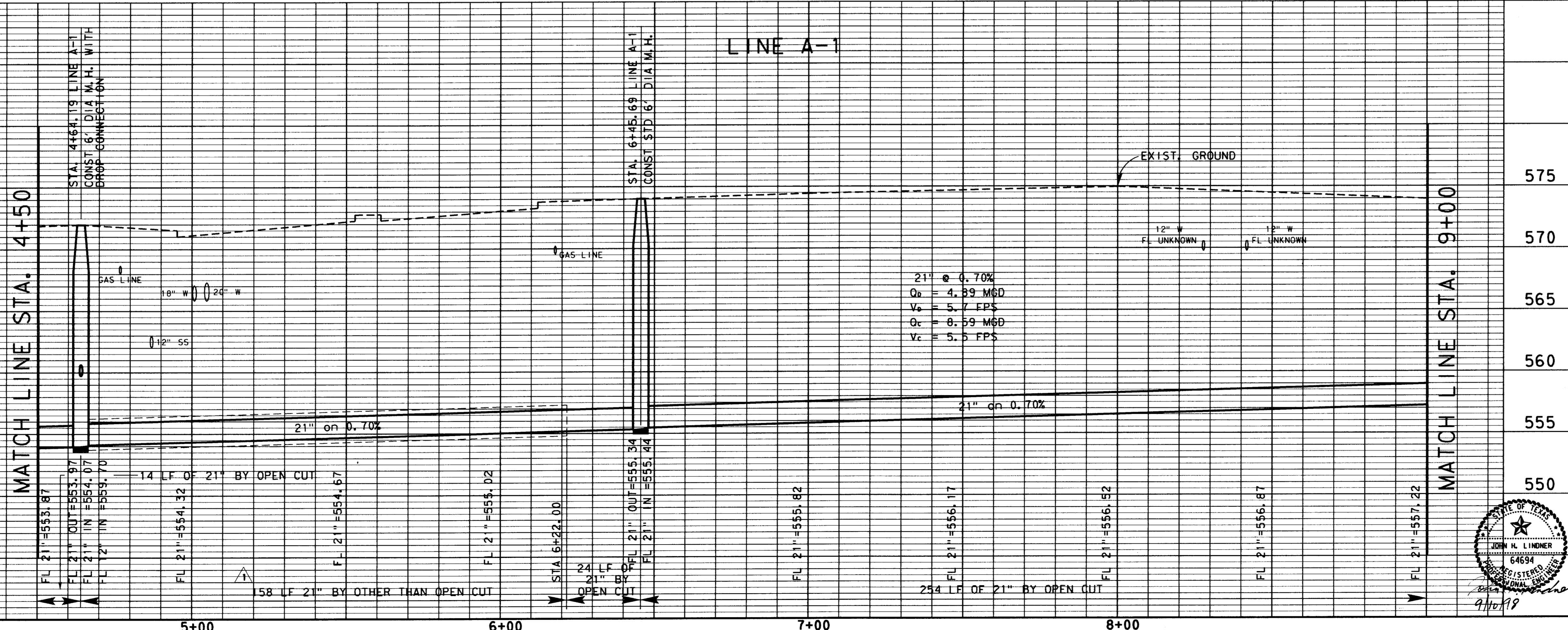
Drawn: R. Howman
Approved: J. Lindner
Sheet: 4 of 63

3276SS01.DGN

REVISIONS
 NO. DATE BY
 1 4-23-96 J.H.L.
 2 9-4-98 J.H.L.
 3
 4



NOTE:
 1. CONTRACTOR WILL BE PERMITTED TO INSTALL 4' DIA MANHOLE IN BELT LINE ROAD AFTER 10:00pm MONDAY THRU THURSDAY (SEE GENERAL NOTE 29 - SHEET 3 OF 63).
 2. CONTRACTOR TO CONSTRUCT AN INTERNAL PLUG ON THE EXIST 12" SS LINE (N). NOT A SEPARATE PAY ITEM.

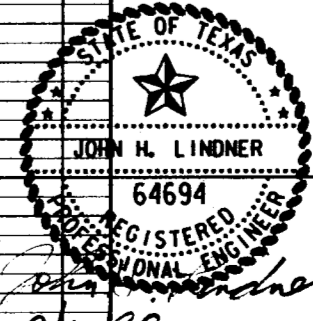


NO.	DATE	REVISION	APPROV.
4			
3			
2	9-4-98	AS BUILT DRAWING	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.

TOWN OF ADDISON, TEXAS
 MIDWAY/BELTLINE SANITARY SEWER
 PHASE II
 LINE A-1
 FROM STATION 4+50 TO STATION 9+00

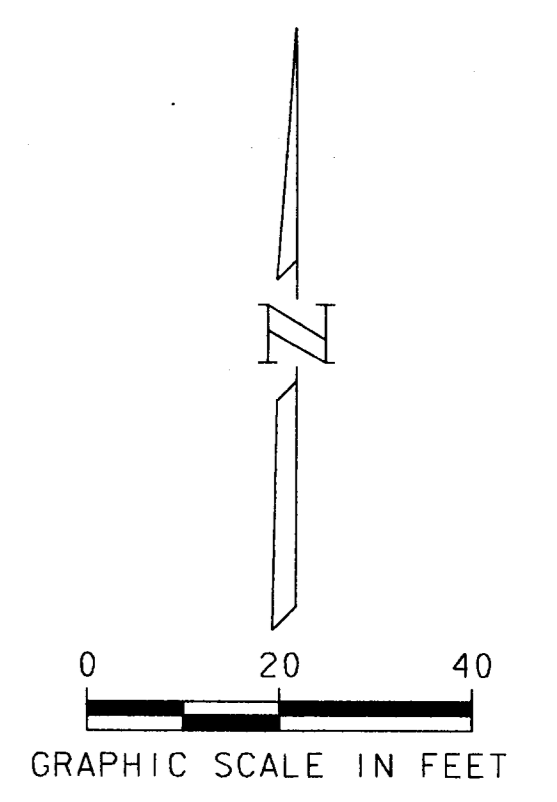
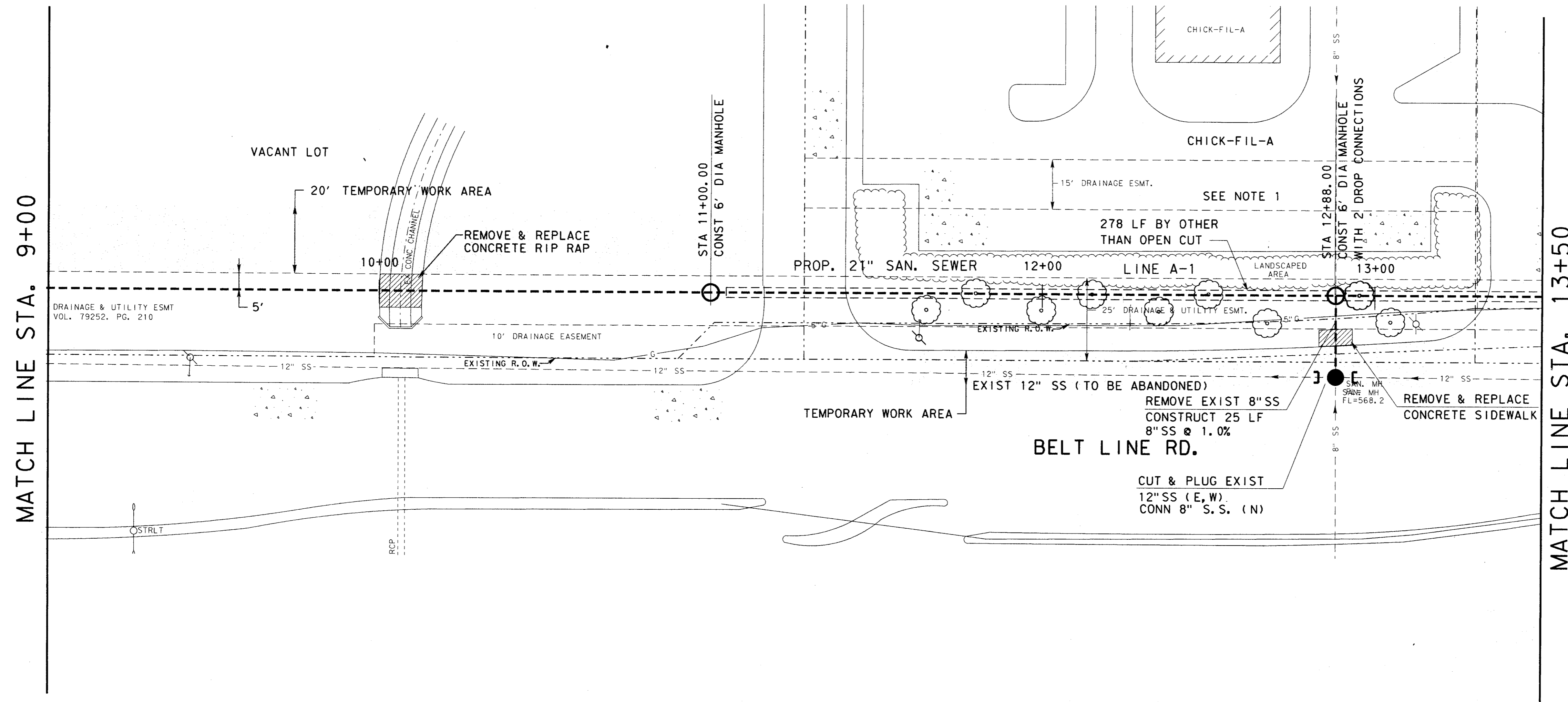
Carter Burgess

Consultants in Engineering, Architecture,
 Planning and the Environment
 CARTER & BURGESS, INC.
 7950 ELMBROOK DRIVE, SUITE 250
 DALLAS, TX 75247-4961

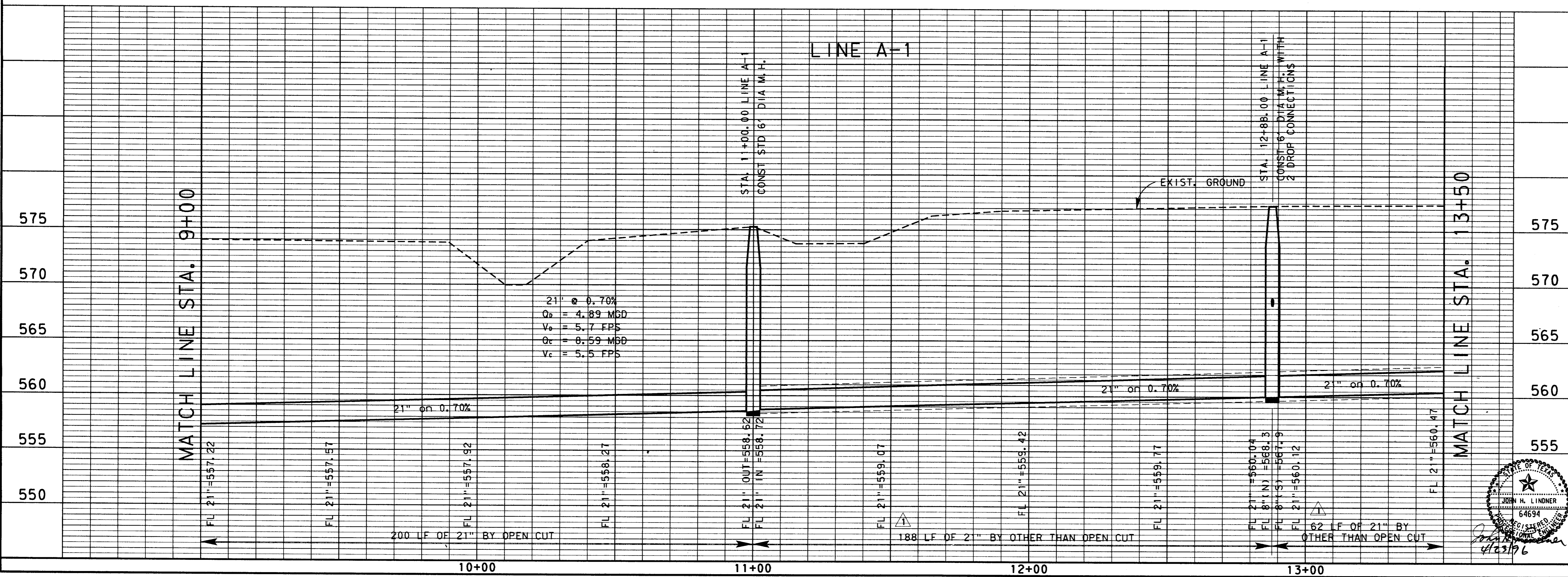


Unit	Scale	Hor. 1" = 20'	Ver. 1" = 5'	Date	
Designed	J. Lindner	Checked	J. Lindner	Job No.	93327601D
Drawn	R. Howman	Approved	J. Lindner	Sheet	5 of 63

ENGINEER: J. LINDNER
 CHECKED: R. HOWMAN
 DATE: 04-05-96
 SHEET: 6 OF 63
 PROJECT: MIDWAY/BELTLINE SANITARY SEWER PHASE II
 DRAWING NO.: 3276503.DGN



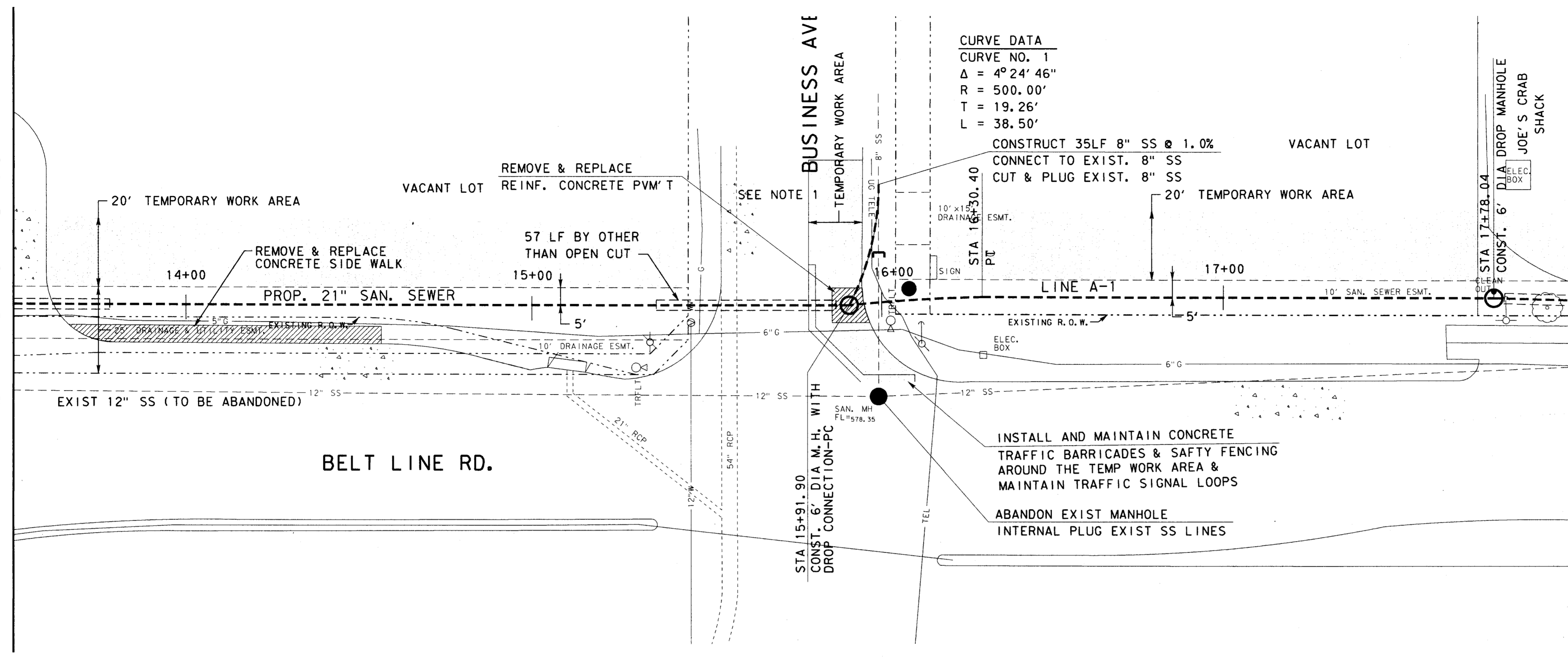
- NOTE:
- CONTRACTOR SHALL RESTORE LANDSCAPE TO ORIGINAL CONDITION. NOT A SEPARATE PAY ITEM.
 - FOR WORK IN BELT LINE RD., SEE GENERAL NOTE 29 ON SHEET 3 OF 63.



4			
3			
2	5-4-98	AS BUILT DRAWING	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.
NO.	DATE	REVISION	APPROV.
TOWN OF ADDISON, TEXAS			
MIDWAY/BELTLINE SANITARY SEWER PHASE II			
LINE A-1			
FROM STATION 9+00 TO STATION 13+50			
Carter & Burgess <small>Consultants in Engineering, Architecture, Planning and the Environment</small> CARTER & BURGESS, INC. <small>7950 EMBROOK DRIVE, SUITE 250 DALLAS, TX 75247-4961</small>			
Unit	Scale	Horiz. 1"=20' Vert. 1"=5'	Date 04-05-96
Designed J. Lindner	Checked J. Lindner	Job No. 93327601D	
Drawn R. Howman	Approved J. Lindner	Sheet 6 of 63	

REFERENCE TO SHEETS: 13+50, 14+00, 15+00, 16+00, 17+00, 18+00
 PROJECT NO. 93327601D
 SHEET NO. 7 OF 63
 DATE 04-05-96

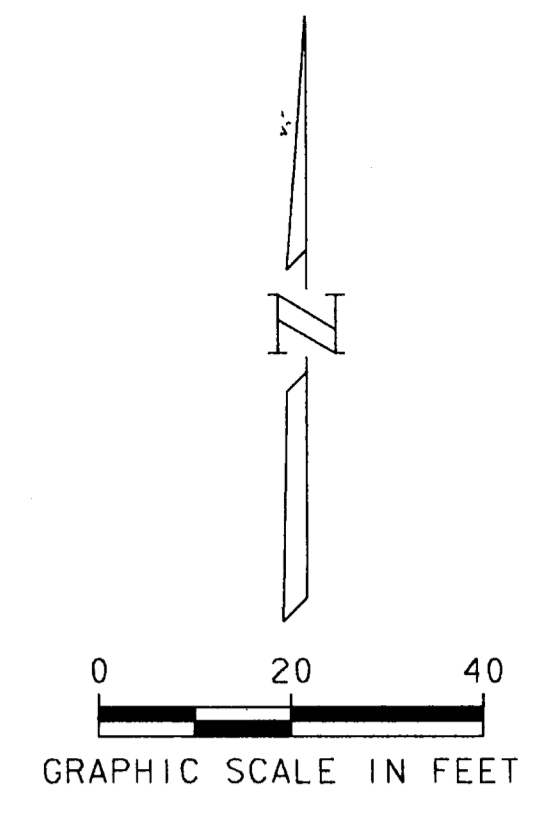
MATCH LINE STA. 13+50



CURVE DATA
 CURVE NO. 1
 $\Delta = 4^\circ 24' 46''$
 $R = 500.00'$
 $T = 19.26'$
 $L = 38.50'$

CONSTRUCT 35LF 8" SS @ 1.0%
 CONNECT TO EXIST. 8" SS
 CUT & PLUG EXIST. 8" SS

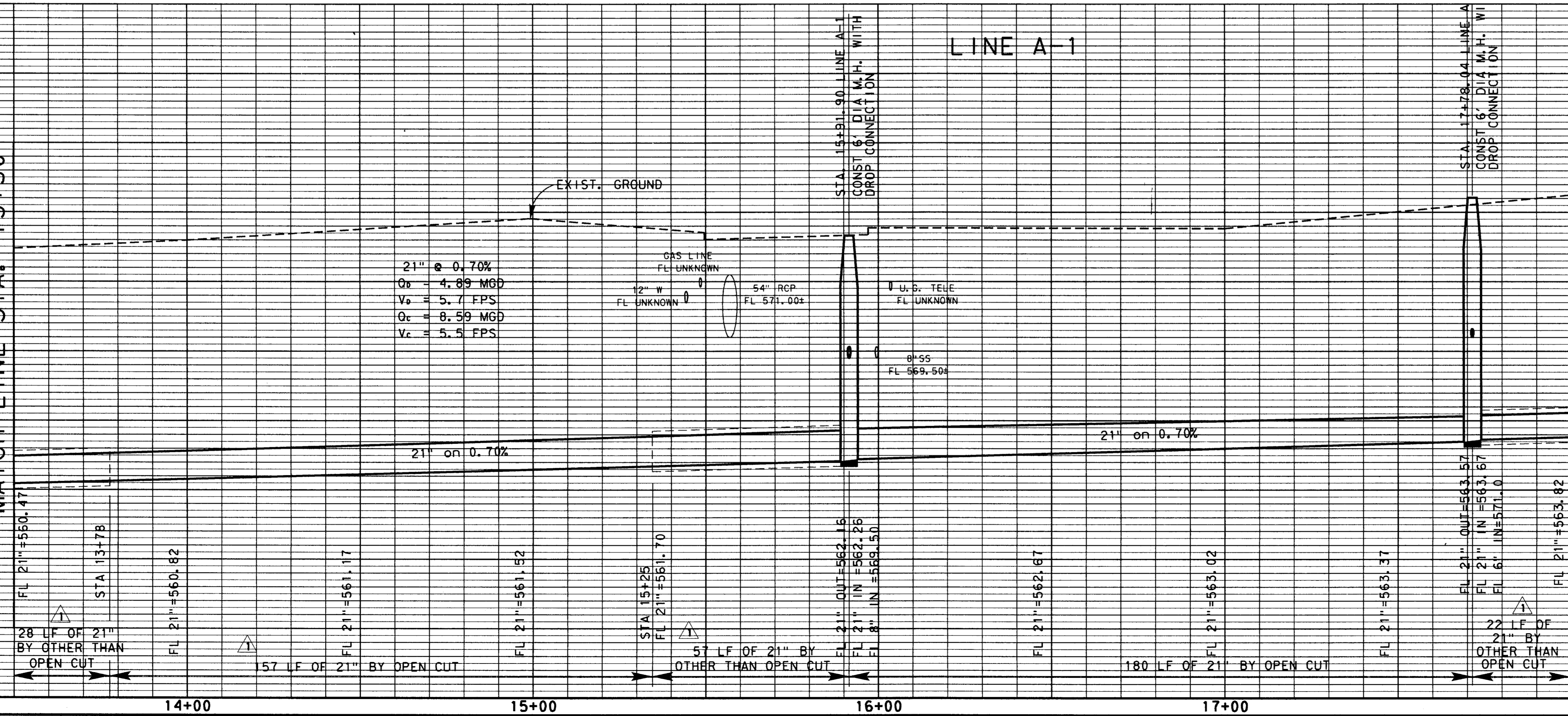
STA 17+78.04
 CONST. 6" DIA. DROP MANHOLE
 JOE'S CRAB SHACK



NOTE:
 1. INSTALL TEMPORARY 2-WAY TRAFFIC BUTTONS IN BUSINESS AVE DURING CONSTRUCTION OF MANHOLE.

MATCH LINE STA. 18+00

MATCH LINE STA. 13+50



21" @ 0.70%
 $Q_v = 4.89$ MGD
 $V_o = 5.7$ FPS
 $Q_c = 8.59$ MGD
 $V_c = 5.5$ FPS

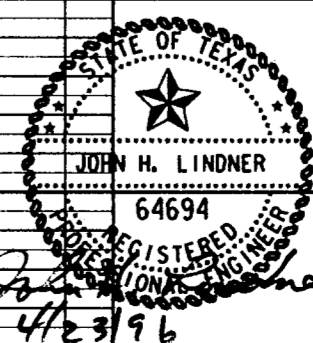
LINE A-1

NO.	DATE	REVISION	APPROV.
4			
3			
2	5-4-98	AS BUILT DRAWING	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.

TOWN OF ADDISON, TEXAS
 MIDWAY/BELTLINE SANITARY SEWER
 PHASE II
 LINE A-1
 FROM STATION 13+50 TO STATION 18+00

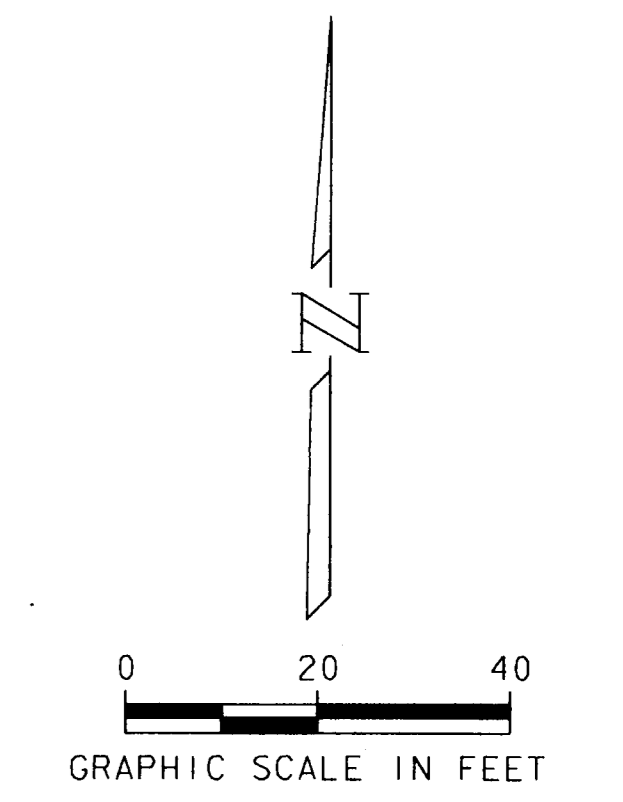
Carter Burgess

Consultants in Engineering, Architecture,
 Planning and the Environment
 CARTER & BURGESS, INC.
 7950 ELMBROOK DRIVE, SUITE 250
 DALLAS, TX 75247-4961



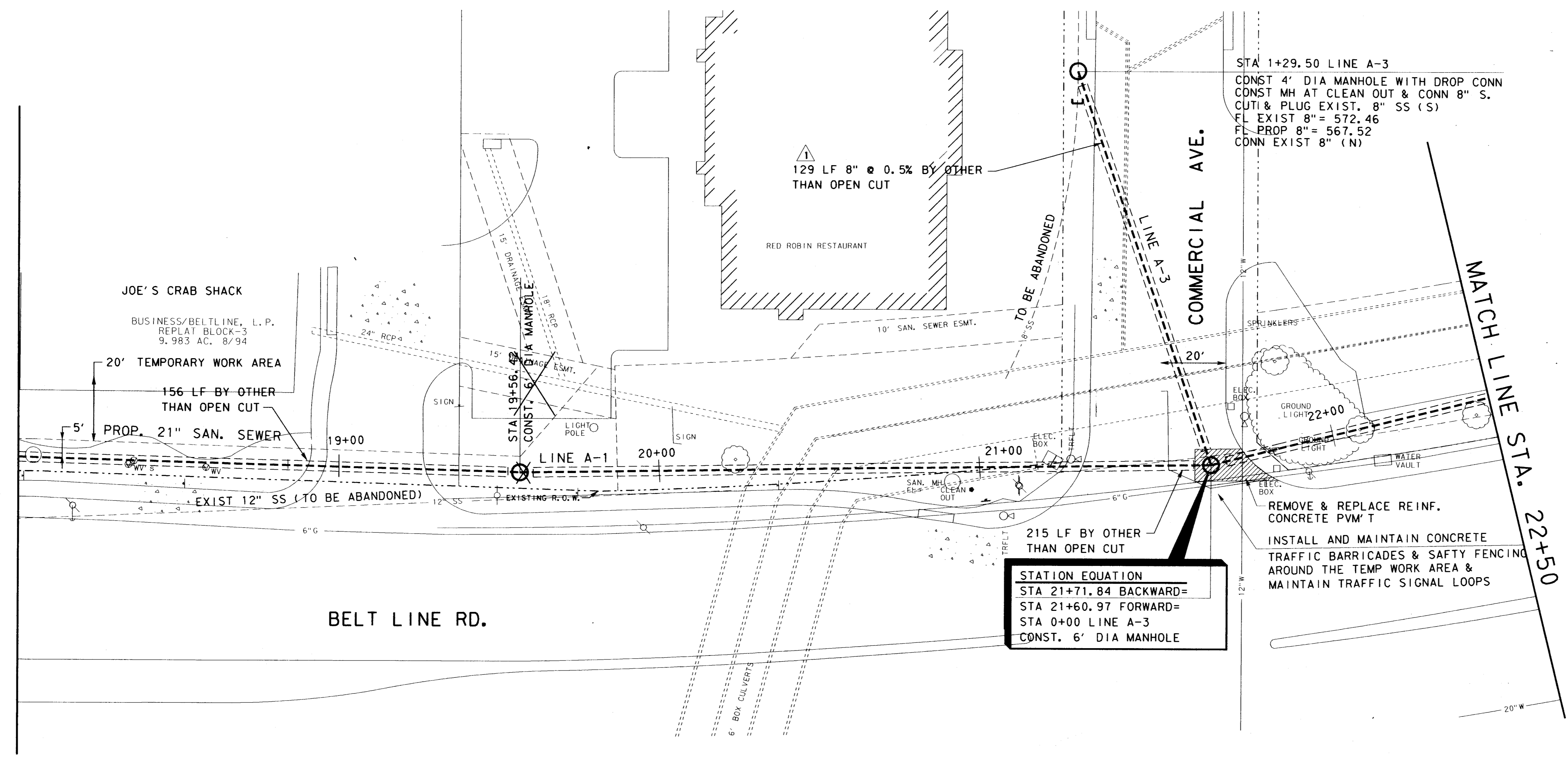
Unit	Scale	Hor'z. 1"=20'	Vert. 1"=5'	Date	04-05-96
Designed	J. Lindner	Checked	J. Lindner	Job No.	93327601D
Drawn	R. Howman	Approved	J. Lindner	Sheet	7 of 63

SUBSHEET NO. 64694
 SHEET NO. 8 OF 63
 PROJECT NO. 93327601D
 DATE: 04/05/96
 DESIGNED BY: J. LINDNER
 CHECKED BY: J. LINDNER
 DRAWN BY: R. HOWMAN
 APPROVED BY: J. LINDNER
 PROJECT: MIDWAY/BELTLINE SANITARY SEWER PHASE II

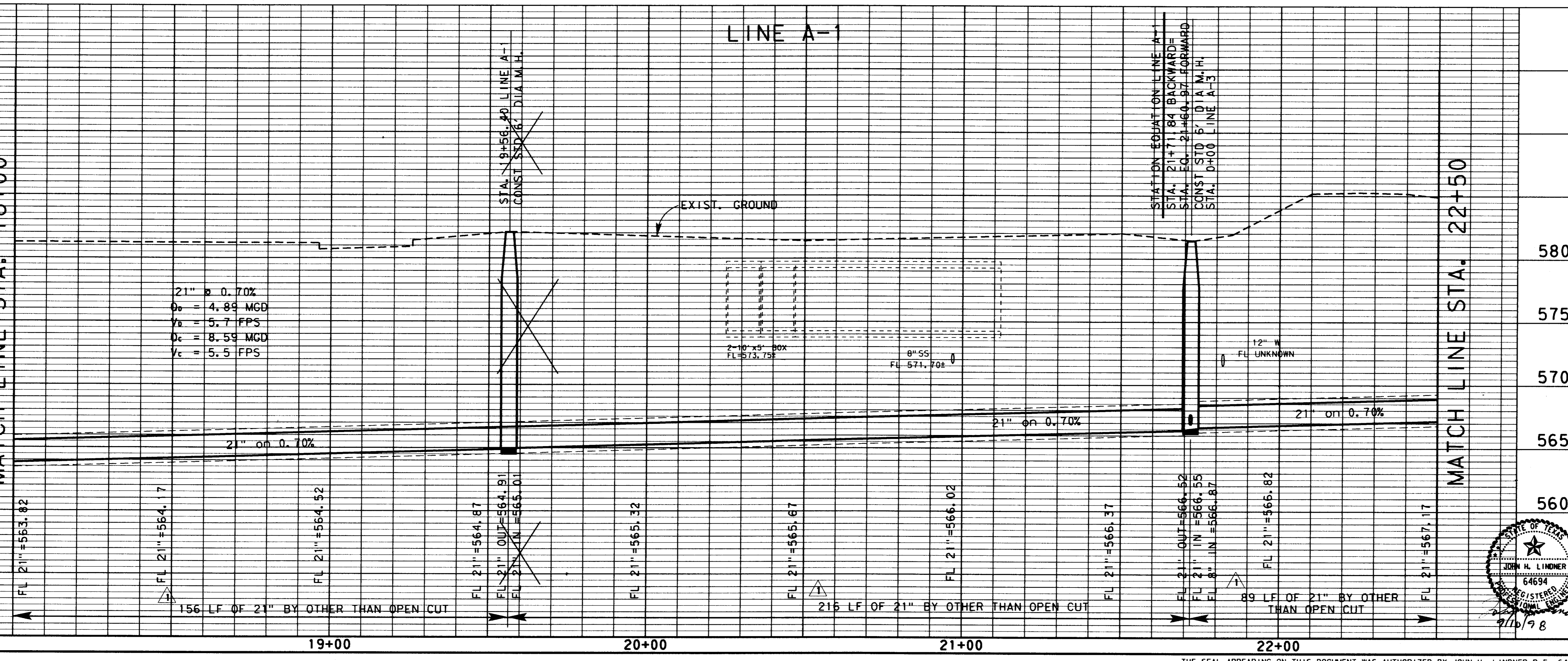


NOTE:
STATION EQUATION THIS SHEET

MATCH LINE STA. 18+00

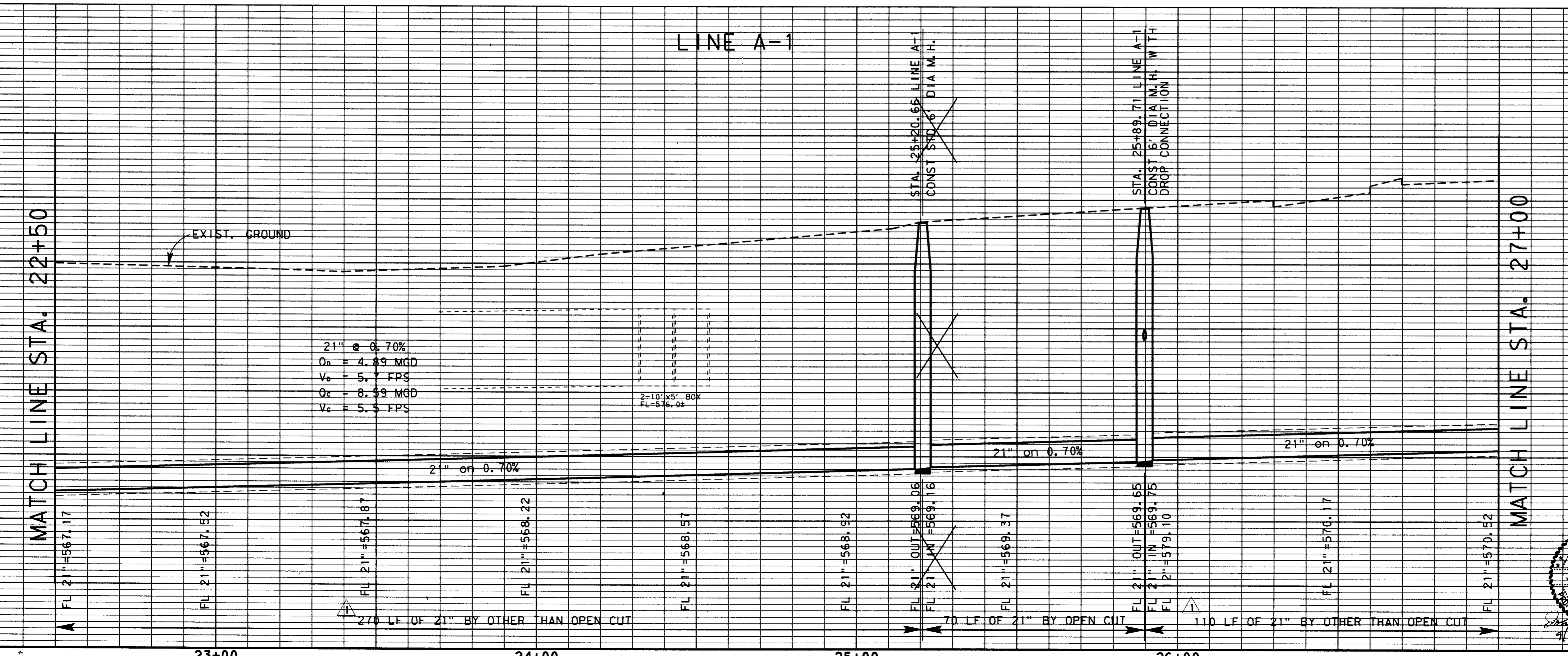
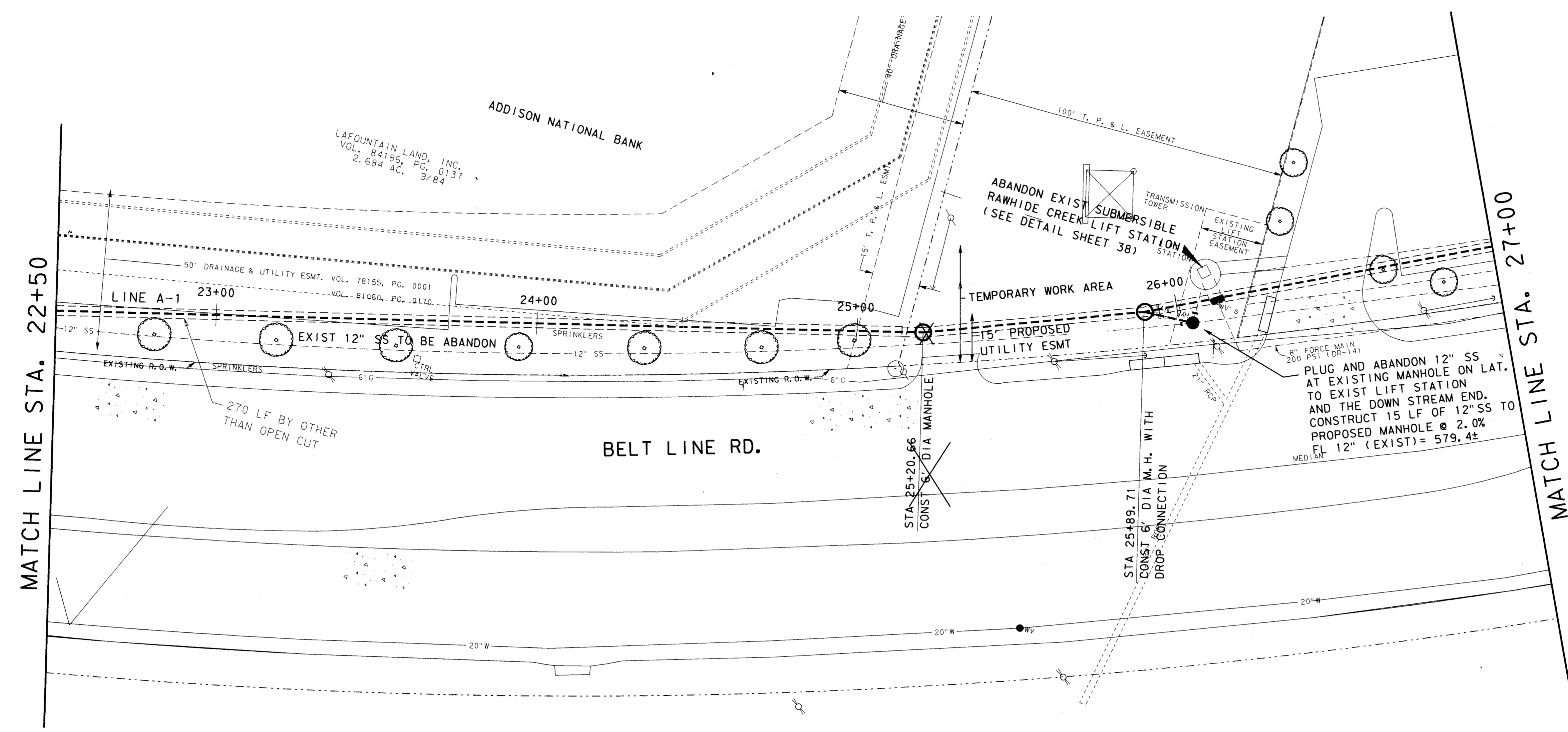


MATCH LINE STA. 18+00



4			
3			
2	9-4-98	AS BUILT DRAWING	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.
NO.	DATE	REVISION	APPROV.
TOWN OF ADDISON, TEXAS			
MIDWAY/BELTLINE SANITARY SEWER PHASE II			
LINE A-1			
FROM STATION 18+00 TO STATION 21+71.84 BKWD= STATION 21+60.97 FRWD TO STATION 22+50			
Carter & Burgess			
Consultants in Engineering, Architecture, Planning and the Environment CARTER & BURGESS, INC. 7950 ELMBROOK DRIVE, SUITE 250 DALLAS, TX 75247-4961			
Unit	Scale	Hor. 1" = 20' Vert. 1" = 5'	Date 04-05-96
Designed J. Lindner	Checked J. Lindner	Job No. 93327601D	
Drawn R. Howman	Approved J. Lindner	Sheet 8 of 63	

REVISIONS
 NO. DATE BY
 1 4-23-96 J.H.L.
 2 9-4-98 J.H.L.
 3
 4



NO.	DATE	REVISION	APPROV.
4			
3			
2	9-4-98	AS BUILT DRAWING	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.

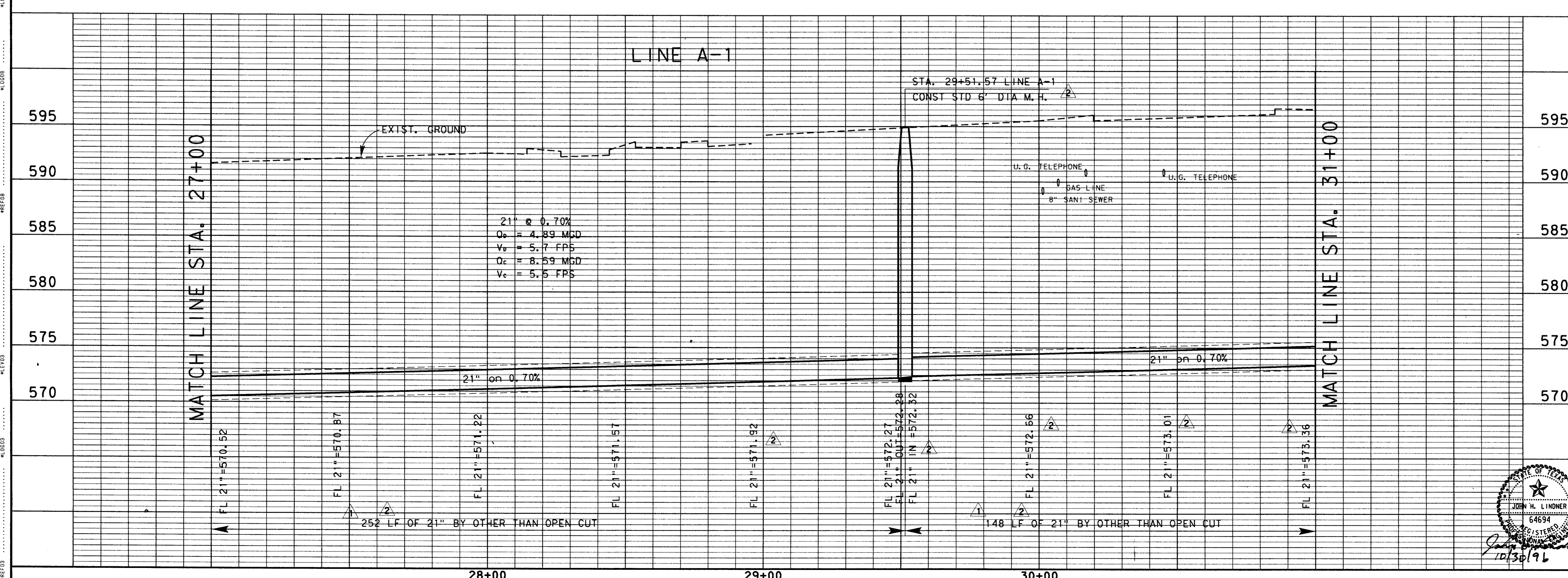
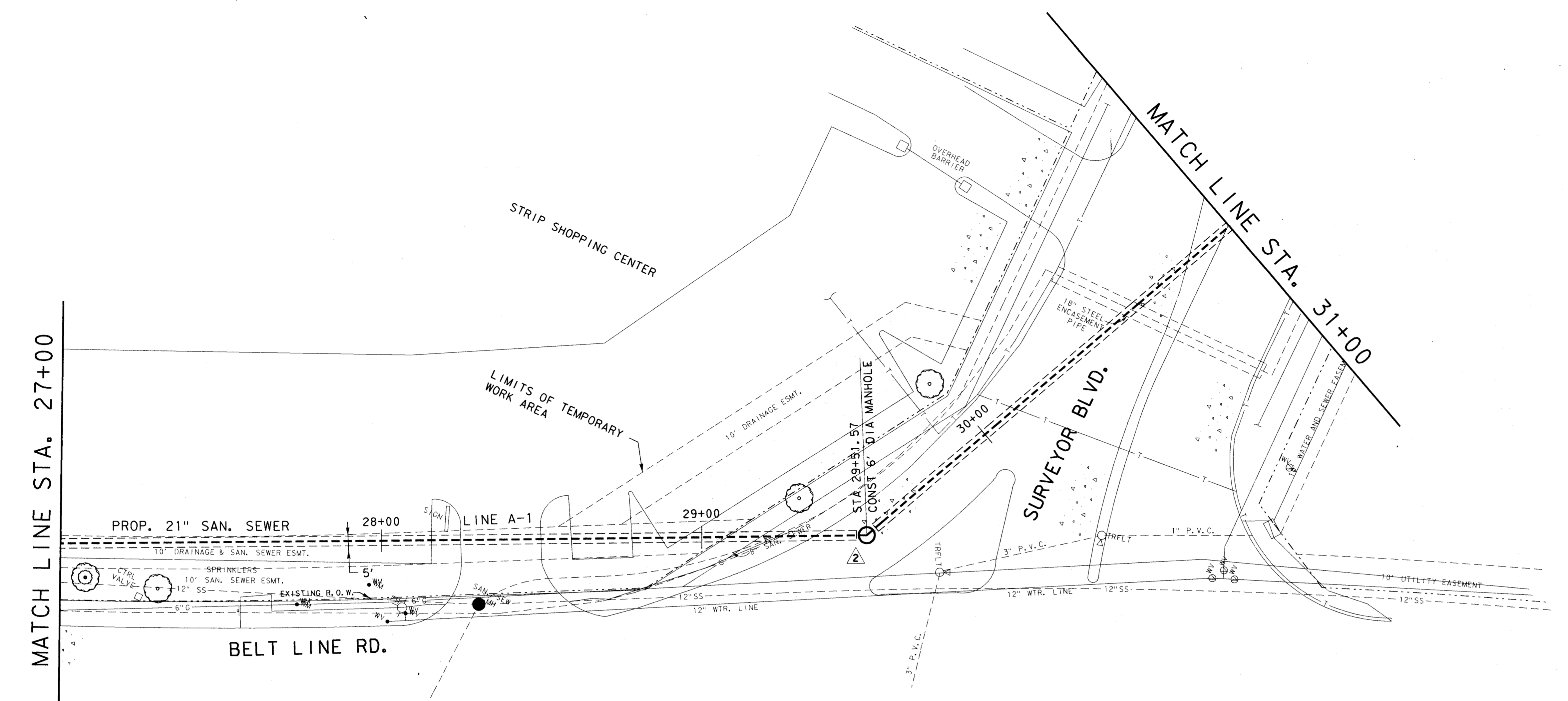
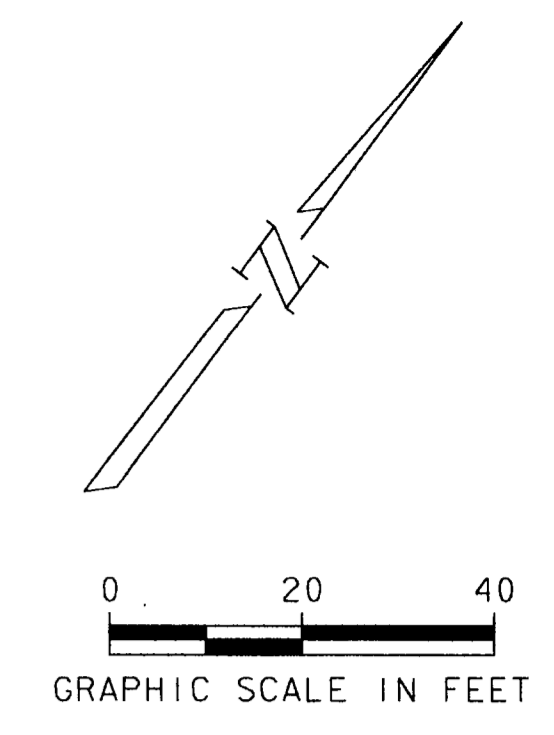
TOWN OF ADDISON, TEXAS
MIDWAY/BELTLINE SANITARY SEWER
PHASE II
LINE A-1
 FROM STATION 22+50 TO STATION 27+00

Carter Burgess
 Consultants in Engineering, Architecture,
 Planning and the Environment
 JOHN H. LINDNER
 7500 ELMBROOK DRIVE, SUITE 250
 DALLAS, TX 75247-4961

Unit	Scale	Hor. 1"=20'	Vert. 1"=5'	Date	04-05-96
Designed	J. Lindner	Checked	J. Lindner	Job No.	93327601D
Drawn	R. Howman	Approved	J. Lindner	Sheet	9 of 63

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JOHN H. LINDNER, P.E. 64694, IN MARCH 1997. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT. 01-2607

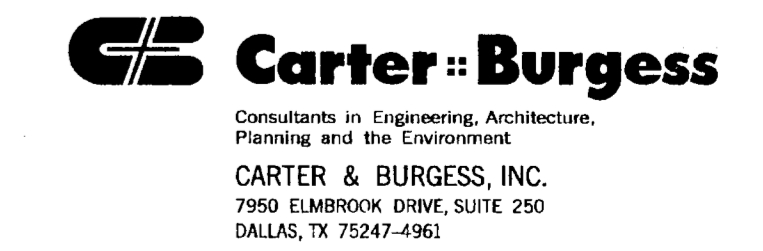


NO.	DATE	REVISION	APPROV.
4			
3	9-4-98	AS BUILT DRAWING	J. H. L.
2	10-29-96	REVISED MANHOLE LOCATION	J. H. L.
1	4-23-96	ADDENDUM NO. 1	J. H. L.

TOWN OF ADDISON, TEXAS

MIDWAY/BELTLINE SANITARY SEWER
PHASE II

LINE A-1
FROM STATION 27+00 TO STATION 31+00



STATE OF TEXAS
COUNTY OF DALLAS
J. H. LINDNER
REGISTERED PROFESSIONAL ENGINEER
NO. 54634

J. Lindner
10/30/96

Unit	Scale	Hor. 1" = 20'	Vert. 1" = 5'	Date	04-05-96
Designed	J. Lindner	Checked	J. Lindner	Job No.	93327601D
Drawn	R. Howman	Approved	J. Lindner	Sheet	10 of 63