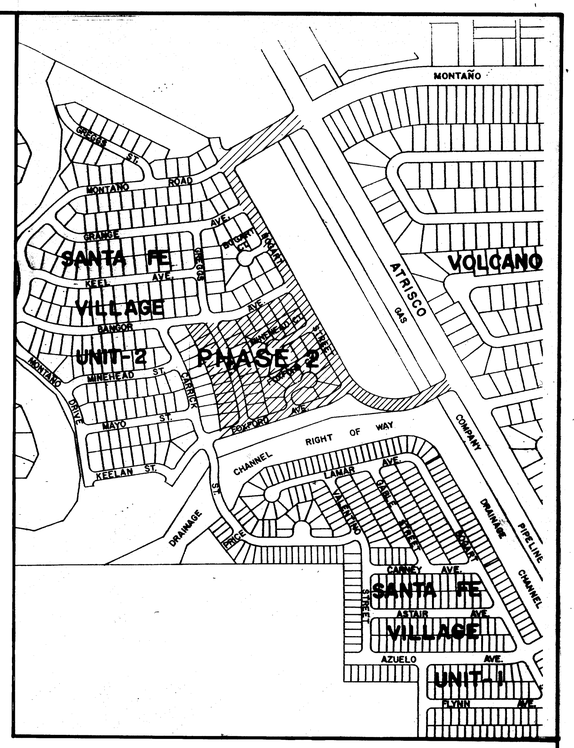
IMPROVEMENT PLANS

SANTA FE VILLAGE UNIT 2 PHASE 2
AND MONTAÑO ROAD
AND BOGART STREET

CITY OF ALBUQUERQUE
NEW MEXICO



VICINITY MAP

INDEX

COVER SHEET 1
PLAT 2
SHEET INDEX 3
GRADING PLAN 4
RETAINING WALL DETAILS 5
EROSION CONTROL PLAN 6
PAVING DETAILS 7
PAVING LAYOUT 8
PAVING PLAN & PROFILE . . . . . 9 - 14
WATER LAYOUT 15
SEWER LAYOUT 16
WATER & SEWER PLAN & PROFILE . . . . 17 - 20
STRUCTURE PLACEMENT SECTION 21
CONCRETE BOX CULVERT DETAILS 22
WINGWALL DETAILS 23
DETENTION BASIN OVERFLOW 24

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
W. F. McNamara
DATE 10/8/84

RE - ENTRY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	J. E. Estgaard	3/21/84
A.C.E. - Design	H.R. Olson	5/18/84	Traffic	David Wilmer	5/17/84
A.C.E. - Hydrology	W. Hogan	4/3/84	Water	J. E. Estgaard	3/21/84

GENERAL NOTES

1. New Mexico Standard Specifications for Public Works Construction - 1979 Edition, will be referred to hereon as the "Standard Specifications".
2. All work detailed ont hese plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with "Contract Documents for City-Wide Utilities and Cash Paving No. 31 and the Standard Specifications".
3. All utilities and utility lines shall be installed prior to paving.
4. Where a water line passes beneath or less than 3' above and existing sewer line, the sewer line shall be encased in concrete 6" thick for at least 10' on each side of the water line, or the sewer line shall be replaced with ductile iron pipe with mechanical joints for 10' each side of the water line. This shall also apply where a parallel water line is less than 10' horizontally and less than 2' above the sewer.
5. Backfill compaction shall be according to specified street use.
6. Tack coat requirements shall be determined by the City Engineer.
7. If curb is depressed for a drivepad, the drivepad shall be constructed prior to acceptance of the curb and gutter.
8. All storm drainage facilities shall be completed prior to final acceptance.
9. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing lines.
10. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with a minimum amount of delay.
11. Location of Flattened Crown Sections as specified by the engineer.
12. Construct Handicap Ramp at all coners of street intersection where there is existing or proposed sidewalk and curd & gutter-per city std. dwg. P-16-1 & P-17.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

1	2	3	4	5	6	7	8	9	10	11	12
2	6	1	8	8	3	0	1	8	4		

(Record Drawing)

REGISTERED PROFESSIONAL ENGINEER
NO. 5110
JEAN S. BORDENAVE

REGISTERED PROFESSIONAL LAND SURVEYOR
NO. 5110
NEW MEXICO
JEAN S. BORDENAVE

DMJM
ADAM, HAMILYN, ANDERSON
consulting engineers inc.
4955 MONTGOMERY BOULEVARD, N.E.
ALBUQUERQUE, NEW MEXICO 87109
505-881-1606

APPROVED FOR CONSTRUCTION

C. H. Shepard 5/22/84 C.E.

1883

SHEET 1 OF 24

SHEET 2 OF 4 SHEETS
THE PLAT OF

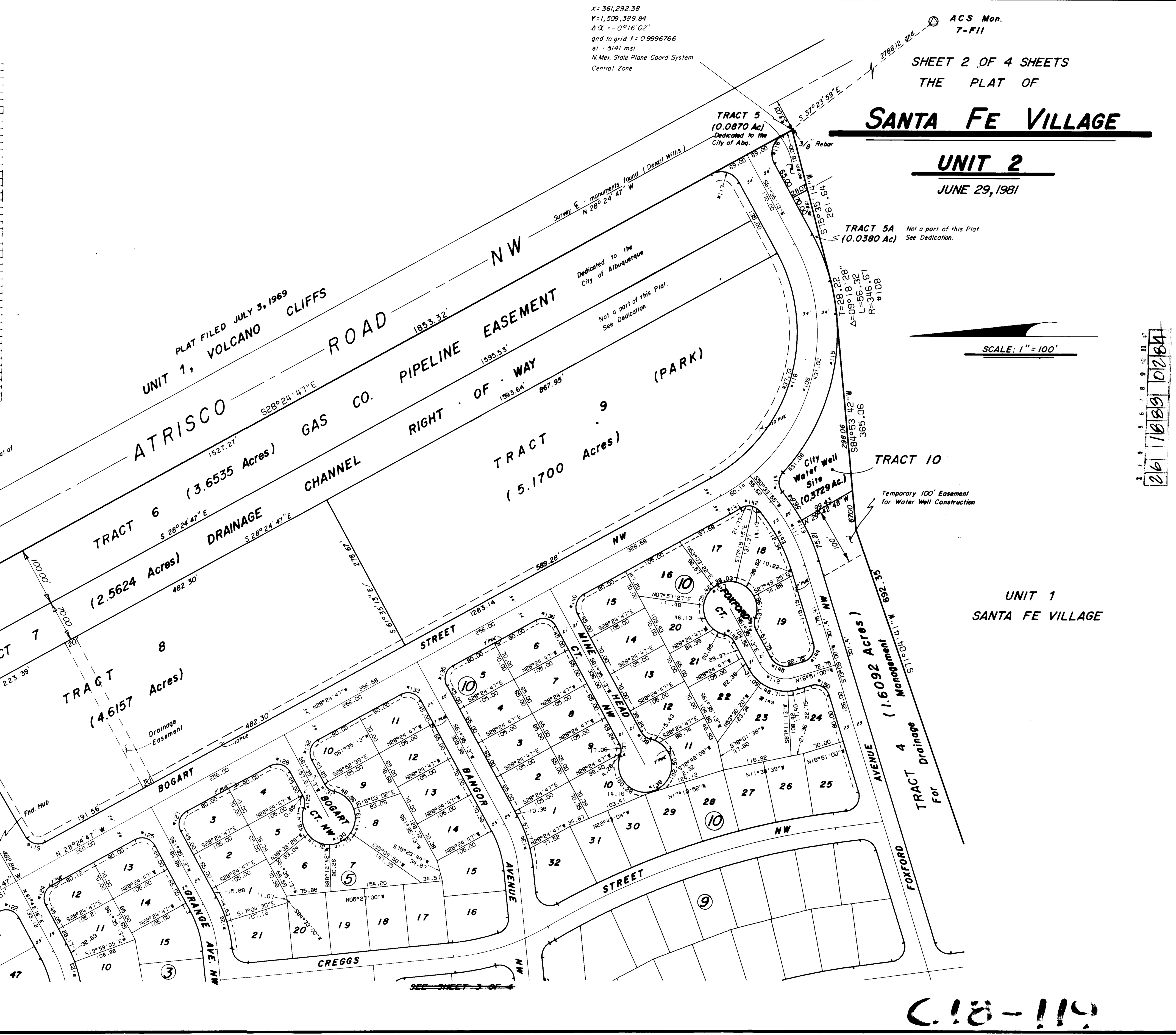
SANTA FE VILLAGE

UNIT 2

JUNE 29, 1981

CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TAN
105	170.00	72.60	024°28'13"	36.86
106	25.00	39.22	089°52'57"	24.95
107	35.00	55.05	090°07'03"	35.07
108	346.67	56.32	009°18'28"	28.22
109	312.67	491.14	090°00'00"	312.67
110	200.00	84.49	024°12'13"	42.88
111	310.00	122.19	022°35'04"	61.90
112	50.00	68.45	078°26'13"	40.81
113	335.00	132.05	022°35'04"	66.89
114	25.00	35.90	082°16'07"	21.84
115	346.67	431.08	071°14'50"	248.4
116	35.00	54.98	090°00'00"	35.00
117	35.00	54.98	090°00'00"	35.00
118	278.67	437.73	090°00'00"	278.67
119	25.00	38.60	088°27'33"	24.34
120	35.00	55.92	091°32'27"	35.98
121	230.00	97.16	024°12'13"	49.32
122	25.00	39.32	090°07'03"	25.05
123	225.00	89.71	022°50'44"	45.46
124	25.00	39.22	089°52'57"	24.95
125	25.00	39.27	090°00'00"	25.00
126	225.00	90.18	022°57'47"	45.70
127	25.00	39.27	090°00'00"	25.00
128	25.00	39.27	090°00'00"	25.00
129	25.00	21.34	048°55'04"	11.37
130	45.00	218.21	277°50'07"	
131	25.00	21.34	048°55'04"	11.37
132	25.00	39.27	090°00'00"	25.00
133	25.00	39.27	090°00'00"	25.00
134	225.00	90.18	022°57'47"	45.70
135	25.00	39.27	090°00'00"	25.00
136	25.00	39.27	090°00'00"	25.00
137	25.00	21.34	048°55'04"	11.37
138	45.00	218.21	277°50'07"	
139	25.00	21.34	048°55'04"	11.37
140	25.00	39.27	090°00'00"	25.00
141	346.67	19.91	003°17'25"	9.96
142	25.00	35.90	082°16'07"	21.84
143	285.00	112.34	022°35'04"	56.91
144	25.00	39.27	090°00'00"	25.00
145	29.00	39.70	078°26'13"	23.67
146	25.00	21.34	048°55'04"	11.37
147	45.00	218.21	277°50'07"	
148	25.00	21.34	048°55'04"	11.37
149	71.00	97.20	078°26'13"	57.94
150	25.00	39.27	090°00'00"	25.00



C.18-119

SP 03-24-884

REPLAT: SANTA FE VILLAGE UNIT 2
SHEET 3 of 3

AMENDED

Amendment Note
Added Street Names
Minehead Street
Mayo Street
Keelan Street

RLT 1-18-83

88 3157

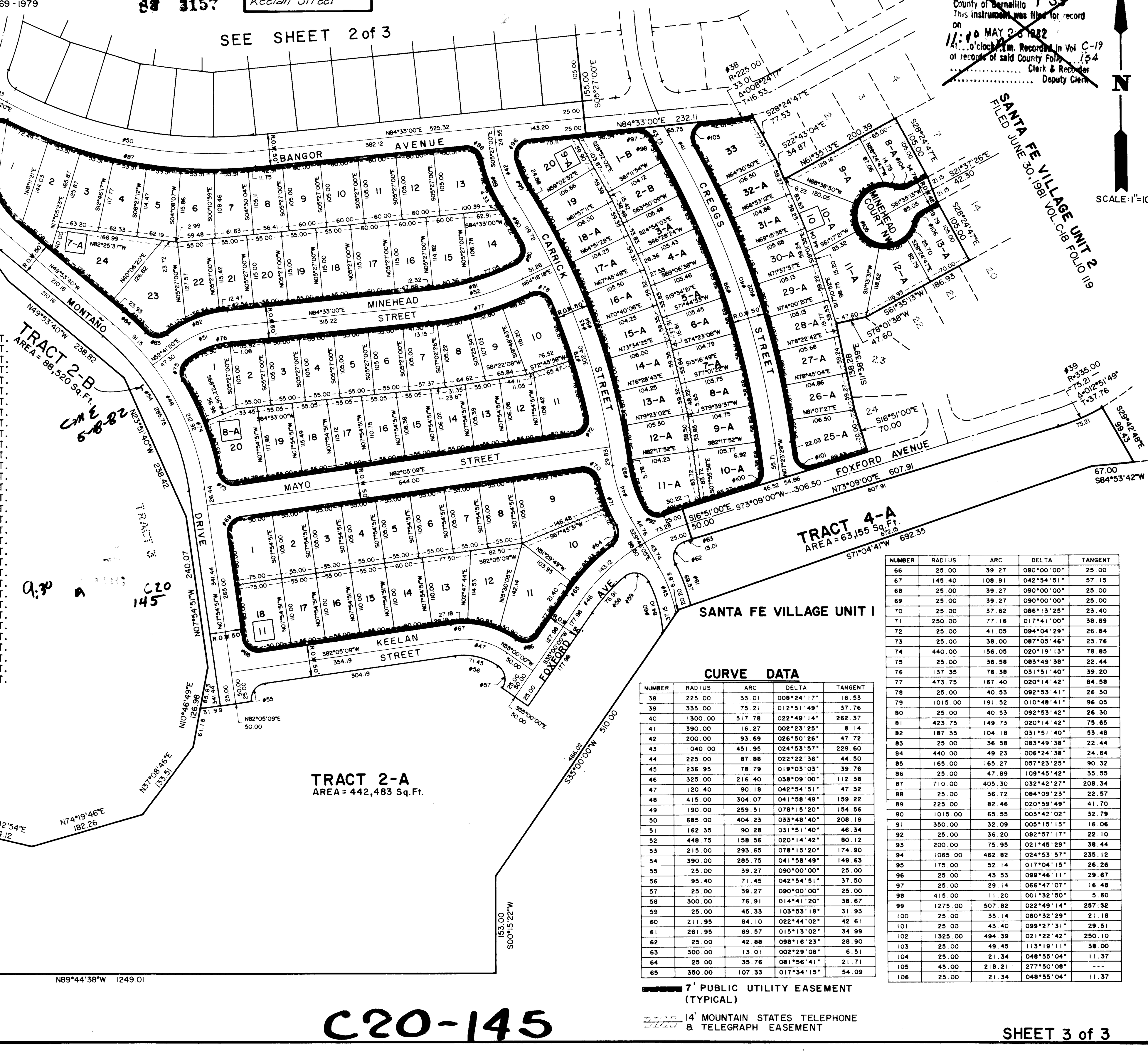
82 27622
State of New Mexico
County of Bernalillo } SS
This instrument was filed for record on
MAY 28 1982
11:10 o'clock A.M. Recorded in Vol. C-19 of records of said County Folio 154
Clerk & Recorder
Deputy Clerk

ENLARGED CLEAR SIGHT TRIANGLE TO MEET REQUIREMENT OF SUBSECTION 10.14 OF THE CITY TRAFFIC CODE, ORDINANCE NO. 69-1979

LOT AREAS

BLOCK	LOT	AREA
7-A	1	10,266 SQ.FT.
7-A	2	9,067 SQ.FT.
7-A	3	7,053 SQ.FT.
7-A	4	6,697 SQ.FT.
7-A	5	6,638 SQ.FT.
7-A	6	6,471 SQ.FT.
7-A	7	6,120 SQ.FT.
7-A	8	5,832 SQ.FT.
7-A	9	6,300 SQ.FT.
7-A	10	6,300 SQ.FT.
7-A	11	6,300 SQ.FT.
7-A	12	6,300 SQ.FT.
7-A	13	8,578 SQ.FT.
7-A	14	7,966 SQ.FT.
7-A	15	6,751 SQ.FT.
7-A	16	6,899 SQ.FT.
7-A	17	6,900 SQ.FT.
7-A	18	6,325 SQ.FT.
7-A	19	6,325 SQ.FT.
7-A	20	6,325 SQ.FT.
7-A	21	6,327 SQ.FT.
7-A	22	6,602 SQ.FT.
7-A	23	10,908 SQ.FT.
7-A	24	11,217 SQ.FT.
8-A	1	7,686 SQ.FT.
8-A	2	5,775 SQ.FT.
8-A	3	5,775 SQ.FT.
8-A	4	5,775 SQ.FT.
8-A	5	5,775 SQ.FT.
8-A	6	5,775 SQ.FT.
8-A	7	5,871 SQ.FT.
8-A	8	6,192 SQ.FT.
8-A	9	6,547 SQ.FT.
8-A	10	9,047 SQ.FT.
8-A	11	8,071 SQ.FT.
8-A	12	5,862 SQ.FT.
8-A	13	5,816 SQ.FT.
8-A	14	5,793 SQ.FT.
8-A	15	5,896 SQ.FT.
8-A	16	6,026 SQ.FT.
8-A	17	6,156 SQ.FT.
8-A	18	6,287 SQ.FT.
8-A	19	6,417 SQ.FT.
8-A	20	9,170 SQ.FT.
9-A	1-B	8,410 SQ.FT.
9-A	2-B	5,889 SQ.FT.
9-A	3-A	5,944 SQ.FT.
9-A	4-A	5,910 SQ.FT.
9-A	5-A	5,944 SQ.FT.
9-A	6-A	5,893 SQ.FT.
9-A	7-A	5,934 SQ.FT.
9-A	8-A	5,921 SQ.FT.
9-A	9-A	5,934 SQ.FT.
9-A	10-A	7,845 SQ.FT.
9-A	11-A	8,929 SQ.FT.
9-A	12-A	5,944 SQ.FT.
9-A	13-A	5,927 SQ.FT.
9-A	14-A	5,942 SQ.FT.
9-A	15-A	5,942 SQ.FT.
9-A	16-A	5,927 SQ.FT.
9-A	17-A	5,927 SQ.FT.
9-A	18-A	5,942 SQ.FT.
9-A	19	6,013 SQ.FT.
9-A	20	8,653 SQ.FT.

BLOCK	LOT	AREA
10	8-A	6,619 SQ.FT.
10	9-A	7,876 SQ.FT.
10	10-A	7,511 SQ.FT.
10	11-A	9,840 SQ.FT.
10	12-A	6,900 SQ.FT.
10	13-A	6,941 SQ.FT.
10	25-A	8,532 SQ.FT.
10	26-A	6,018 SQ.FT.
10	27-A	5,994 SQ.FT.
10	28-A	6,040 SQ.FT.
10	29-A	5,986 SQ.FT.
10	30-A	6,802 SQ.FT.
10	31-A	5,994 SQ.FT.
10	32-A	6,018 SQ.FT.
10	33	9,617 SQ.FT.
11	1	7,741 SQ.FT.
11	2	5,775 SQ.FT.
11	3	5,775 SQ.FT.
11	4	5,775 SQ.FT.
11	5	5,775 SQ.FT.
11	6	5,775 SQ.FT.
11	7	5,775 SQ.FT.
11	8	5,775 SQ.FT.
11	9	11,831 SQ.FT.
11	10	8,976 SQ.FT.
11	11	10,032 SQ.FT.
11	12	8,158 SQ.FT.
11	13	7,404 SQ.FT.
11	14	6,600 SQ.FT.
11	15	6,050 SQ.FT.
11	16	6,050 SQ.FT.
11	17	6,050 SQ.FT.
11	18	8,118 SQ.FT.



CURVE DATA

NUMBER	RADIUS	ARC	DELTA	TANGENT
38	225.00	33.01	008°24'17"	16.53
39	335.00	75.21	012°51'49"	37.76
40	1300.00	517.78	022°49'14"	262.37
41	390.00	16.27	002°23'25"	8.14
42	200.00	93.69	026°50'26"	47.72
43	1040.00	451.95	024°53'57"	229.60
44	225.00	87.88	022°22'36"	44.50
45	236.95	78.79	019°03'03"	39.76
46	325.00	216.40	038°09'00"	112.38
47	120.40	90.18	042°54'51"	47.32
48	415.00	304.07	041°58'49"	159.22
49	190.00	259.51	078°15'20"	154.56
50	685.00	404.23	033°48'40"	208.19
51	162.35	90.28	031°51'40"	46.34
52	448.75	158.56	020°14'42"	80.12
53	215.00	293.65	078°15'20"	174.90
54	390.00	285.75	041°58'49"	149.63
55	25.00	39.27	090°00'00"	25.00
56	95.40	71.45	042°54'51"	37.50
57	25.00	39.27	090°00'00"	25.00
58	300.00	76.91	014°41'20"	38.67
59	25.00	45.33	103°53'18"	31.93
60	211.95	84.10	022°44'02"	42.61
61	261.95	69.57	015°13'02"	34.99
62	25.00	42.88	098°16'23"	28.90
63	300.00	13.01	002°29'08"	6.51
64	25.00	35.76	081°56'41"	21.71
65	350.00	107.33	017°34'15"	54.09

NUMBER	RADIUS	ARC	DELTA	TANGENT
66	25.00	39.27	090°00'00"	25.00
67	145.40	108.91	042°54'51"	57.15
68	25.00	39.27	090°00'00"	25.00
69	25.00	39.27	090°00'00"	25.00
70	25.00	37.62	086°13'25"	23.40
71	250.00	77.16	017°41'00"	38.89
72	25.00	41.05	094°04'29"	26.84
73	25.00	38.00	087°05'46"	23.76
74	440.00	156.05	020°19'13"	78.85
75	25.00	36.58	083°49'38"	22.44
76	137.35	76.38	031°51'40"	39.20
77	473.75	167.40	020°14'42"	84.58
78	25.00	40.53	092°53'41"	26.30
79	1015.00	191.52	010°48'41"	96.05
80	25.00	40.53	092°53'42"	26.30
81	423.75	149.73	020°14'42"	75.65
82	187.35	104.18	031°51'40"	53.48
83	25.00	36.58	083°49'38"	22.44
84	440.00	49.23	006°24'38"	24.64
85	165.00	165.27	057°23'25"	90.32
86	25.00	47.89	109°45'42"	35.55
87	710.00	405.30	032°42'27"	208.34
88	25.00	36.72	084°09'23"	22.57
89	225.00	82.46	020°59'49"	41.70
90	1015.00	65.55	003°42'02"	32.79
91	350.00	32.09	005°15'15"	16.06
92	25.00	36.20	082°57'17"	22.10
93	200.00	75.95	021°45'29"	38.44
94	1065.00	462.82	024°53'57"	235.12
95	175.00	52.14	017°04'15"	26.26
96	25.00	43.53	099°46'11"	29.67
97	25.00	29.14	066°47'07"	16.48
98	415.00	11.20	001°32'50"	5.60
99	1275.00	507.82	022°49'14"	257.32
100	25.00	35.14	080°32'29"	21.18
101	25.00	43.40	099°27'31"	29.51
102	1325.00	494.39	021°22'42"	250.10
103	25.00	49.45	113°19'11"	38.00
104	25.00	21.34	048°55'04"	11.37
105	45.00	218.21	277°50'08"	---
106	25.00	21.34	048°55'04"	11.37

7' PUBLIC UTILITY EASEMENT (TYPICAL)

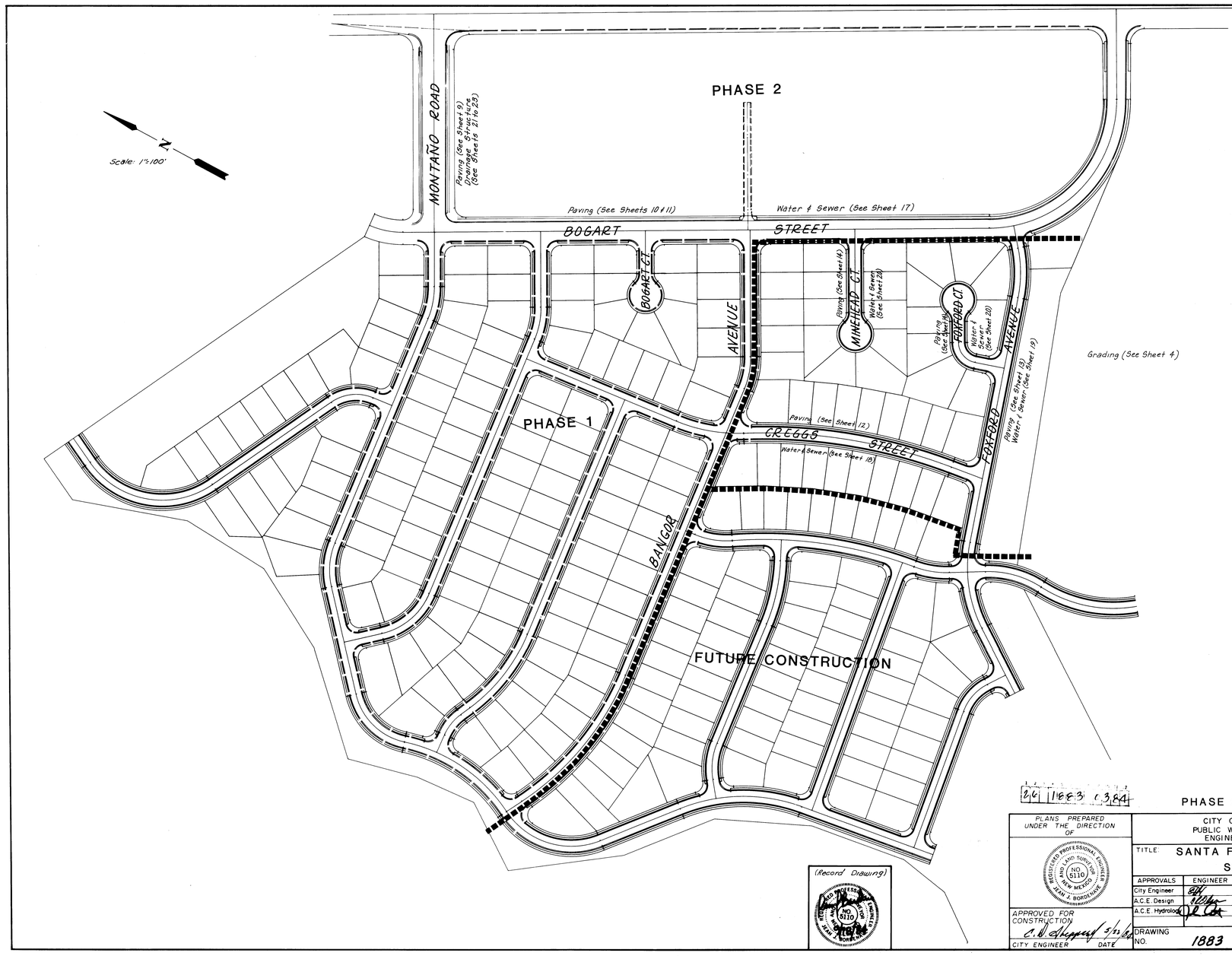
14' MOUNTAIN STATES TELEPHONE & TELEGRAPH EASEMENT

ENGINEERS FILE No. AC-81543-E PREPARED BY: ADAM, HAMLYN, ANDERSON CONSULTING ENGINEERS — 4055 MONTGOMERY N.E. — ALBUQUERQUE, NEW MEXICO — 505-881-1808

C20-145

Sheet 2 of 24
1883

SHEET 3 of 3



(Record Drawing)

AS BUILT INFORMATION		
CONTRACTOR	R.U.C. Inc.	
WORK STAKED BY	DMJM/AAA	DATE 10-4-83
INSPECTORS ACCEPTANCE BY	DMJM/BHP	DATE 5/84
VERIFICATION BY	DMJM/AAA	DATE 5/84
COMPUTED BY	DMJM/AAA	DATE 4/84
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS	
Elev 5134.777	
AC5 "14-E-10"	A Square□ chiseled on top of Concrete curb at the East North East curb return of Atrisco Road and Flor Del Sol Place N.W.

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

REFERENCES	
MAP NO. E-10	W.O. NO.
EST. NO.	

NO.	DATE	REMARKS REVISIONS	BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1068

26 1883 C 3,84

PHASE 2

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 FRANK J. BORDENAVE NEW MEXICO

APPROVED FOR CONSTRUCTION

C. D. Hoppe 5/21/84
CITY ENGINEER DATE

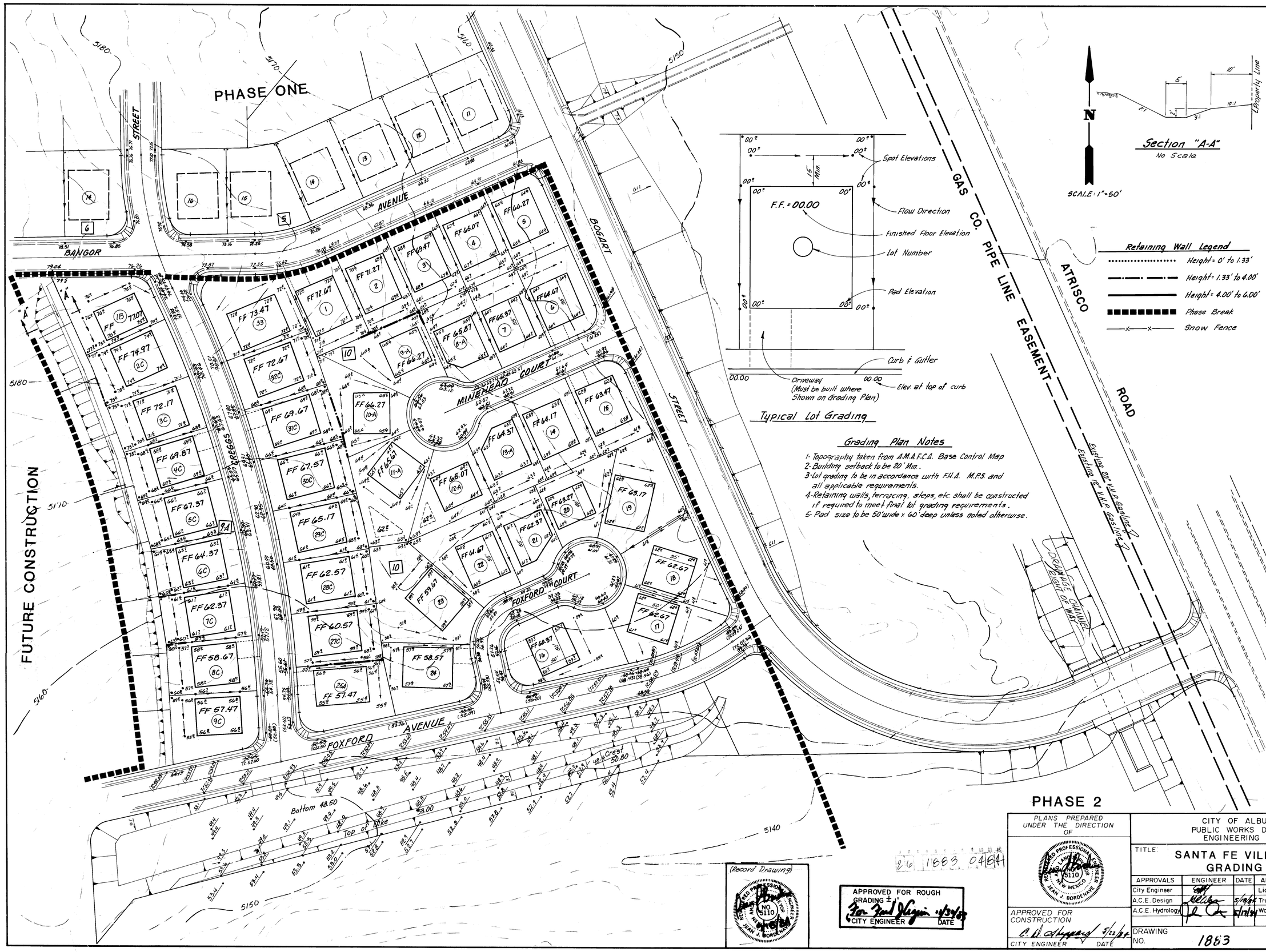
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
SHEET INDEX

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water	—	

DRAWING NO. 1883

SHEET 3 OF 24



AS BUILT INFORMATION
CONTRACTOR K.N.C. Inc.
WORK STAKED BY DMJM/AHA DATE 3/84 thru 4/84
INSPECTORS ACCEPTANCE BY DMJM/AHA DATE 4/84
FIELD VERIFICATION BY DMJM/AHA DATE 4/84
DRAWINGS CORRECTED BY DMJM/AHA DATE 6/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS "16-E10" Elev. 5134.777
A square ☐ chiseled on top of concrete curb at the East North East curb return of Atrisco Road and Far Ok/Sol Place N.W.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. E-10 W.O. NO.
EST. NO. DMJM

NO.	DATE	REMARKS REVISIONS	BY
1	7/6/84	Revised Creggs Street for Rapidot	DMJM

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER 5110 NEW MEXICO JEAN J. BORDENAVE
APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE 5/22/84

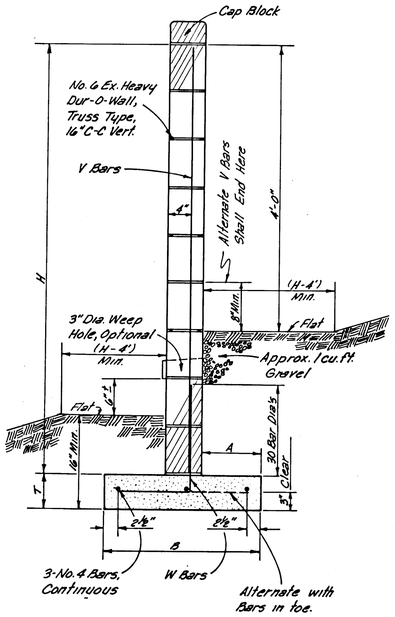
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: **SANTA FE VILLAGE UNIT 2 GRADING PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		5/16/84	Traffic	NA DWH	5/16/84
A.C.E. Hydrology		5/17/84	Water	—	

DRAWING NO. 1883

SHEET 4 OF 24



RETAINING WALL WITH 4'-0" GARDEN WALL FOOTING DETAIL "A"—6"CMU

DESIGN DATA

Type of soil assumed* granular with silt; e.g. silty sand

Minimum allowable bearing pressure: 1000 psf

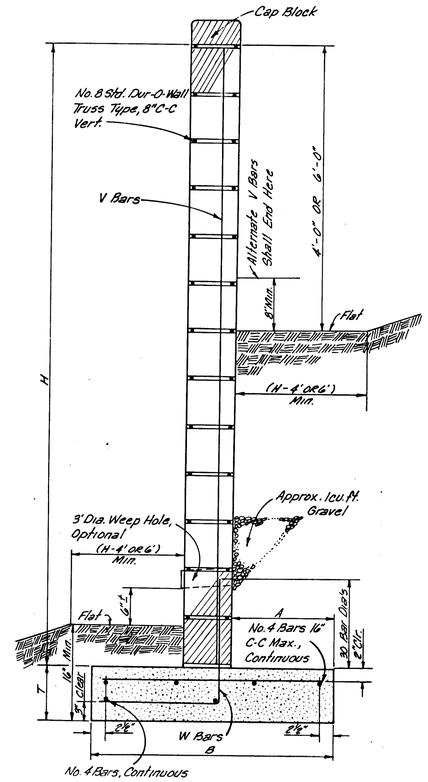
Earth pressure: Horizontal-30 pcf
Vertical -120 pcf

Code: 1979 U.B.C. with Albuquerque amendments

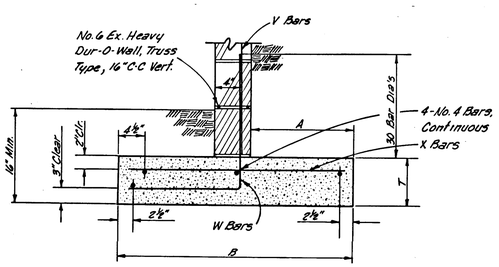
*If soil conditions vary from type assumed please contact Adam, Hamlyn, Anderson, Consulting Engineers, Inc. Phone (505)881-1808

CONSTRUCTION NOTES

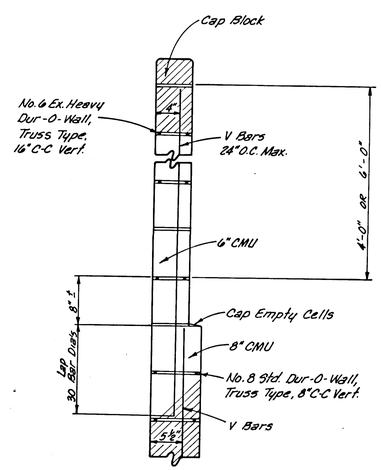
1. Concrete shall have a minimum compressive strength of 2500 psi at 28 days.
2. Mortar shall be type S or Type M.
3. Grout shall conform to U.B.C. requirements with a minimum compressive strength of 2000 psi at 28 days.
4. All joint reinforcement for 6" CMU walls shall be No. 6 extra heavy Dur-O-Wall, truss type, or equivalent at 16" C-C (vertical) Begin at top of first course; splices 6" min.
5. All longitudinal steel in footing to be No. 4 bars, continuous.
6. Bar splices shall be 30 bar diameters, minimum.
7. Cells to be grouted in 4'-0" lifts, maximum.
8. Weep holes, when used, shall be spaced 15'-0" O.C. with 3" diameter drains. Place approximately 1 cubic foot of gravel at each intake
9. Cap blocks unnecessary when all cells are solidly grouted.
10. 8" CMU retaining wall: Use No.8 standard Dur-O-Wall, truss type, or equivalent at every course (8"C-C VT.). Min. lap splice shall be 6".



RETAINING WALL w/ GARDEN WALL-8"CMU



FOOTING DETAIL "B"-6"CMU



GARDEN WALL-6"CMU
RETAINING WALL-8 CMU

H	B	A	T	FOOTING DETAIL	V BARS	W BARS	X BARS
5'-4"	2'-0"	9"	6"	A	No. 4 @ 24"	No. 4 @ 24"	- - - -
6'-0"	2'-2"	10"	6"	A	No. 4 @ 24"	No. 4 @ 24"	- - - -
6'-8"	2'-4"	11"	6"	A	No. 4 @ 24"	No. 4 @ 24"	- - - -
7'-4"	2'-7"	1'-0"	6"	A	No. 4 @ 24"	No. 4 @ 24"	- - - -
8'-0"	2'-11"	1'-3"	8"	B	No. 4 @ 24"	No. 4 @ 24"	No. 4 @ 24"
8'-8"	3'-3"	1'-5"	8"	B	No. 4 @ 8"	No. 4 @ 8"	No. 4 @ 16"

H	B	A	T	V BARS	W BARS	X BARS	
8'-8"	3'-4"	1'-5"	9"	No. 4 @ 24"	No. 4 @ 24"	No. 4 @ 24"	
9'-4"	3'-7"	1'-6"	9"	No. 4 @ 16"	No. 4 @ 16"	No. 4 @ 16"	
10'-0"	4'-0"	1'-9"	9"	No. 4 @ 8"	No. 4 @ 8"	No. 4 @ 8"	
10'-0"	3'-1"	1'-3"	9"	No. 4 @ 24"	No. 4 @ 24"	No. 4 @ 24"	
10'-8"	3'-5"	1'-5"	9"	No. 4 @ 16"	No. 4 @ 16"	No. 4 @ 16"	
11'-4"	3'-10"	1'-6"	10"	No. 4 @ 8"	No. 4 @ 8"	No. 4 @ 16"	

AS BUILT INFORMATION
CONTRACTOR KMC INC
WORK STAKED BY DMJM/AHA DATE 3-Nov-84
INSPECTOR'S ACCEPTANCE BY DMJM/AHA DATE 4/84
FIELD VERIFICATION BY DMJM/AHA DATE 4/84
DRAWINGS CORRECTED BY DMJM/AHA DATE 4/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS "16-E10" Elev 5134.77
A square ☐ chiseled on top of concrete curb at the East North East curb return of Arisco Road and Rio Del Sol Place
N.W.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. W.O. NO.
EST. NO.

NO.	DATE	REMARKS REVISIONS	BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

86 1883 5584

PHASE 2

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 STATE OF NEW MEXICO JOHN J. GORDON
4/12/84

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE 4/12/84

(Record Drawing)
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 STATE OF NEW MEXICO JOHN J. GORDON

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
RETAINING WALL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		19 Nov 84	Traffic	N.A.	
A.C.E. Hydrology		8/12/84	Water	—	

DRAWING NO. 1883

SHEET 5 OF 24

26 1883 0684

PHASE 2

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER NO. 5110 JEAN J. BORDENAVE NEW MEXICO

APPROVED FOR CONSTRUCTION

C. H. Salazar 5/24/84

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE SANTA FE VILLAGE UNIT 2
EROSION CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		5/24/84	Traffic	N.A. DWH	5/24/84
A.C.E. Hydrology		5/24/84	Water	—	

DRAWING NO. 1883

SHEET 6 OF 24

AS BUILT INFORMATION

CONTRACTOR E.N.C. INC.

		DATE
WORK STAKED BY	DMJM/AHA	4/84
INSPECTORS ACCEPTANCE BY	DMJM/AHA	4/84
FIELD VERIFICATION BY	DMJM/AHA	4/84
DRAWINGS CORRECTED BY	DMJM/AHA	4/84

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS "16-E-10" Elev. 5134.777

A Square □ chiseled on top of concrete curb at the East North East curb return of Atrisco Road and Fior De Sol Place N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

REFERENCES

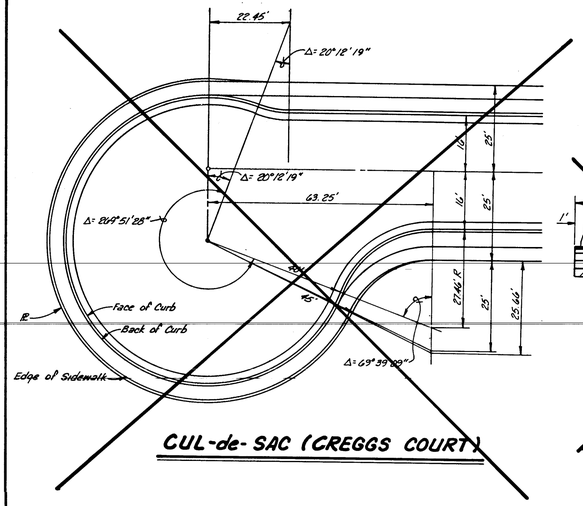
MAP NO. E-10

EST. NO.

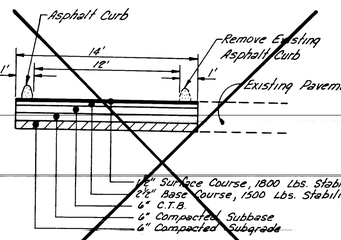
W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY

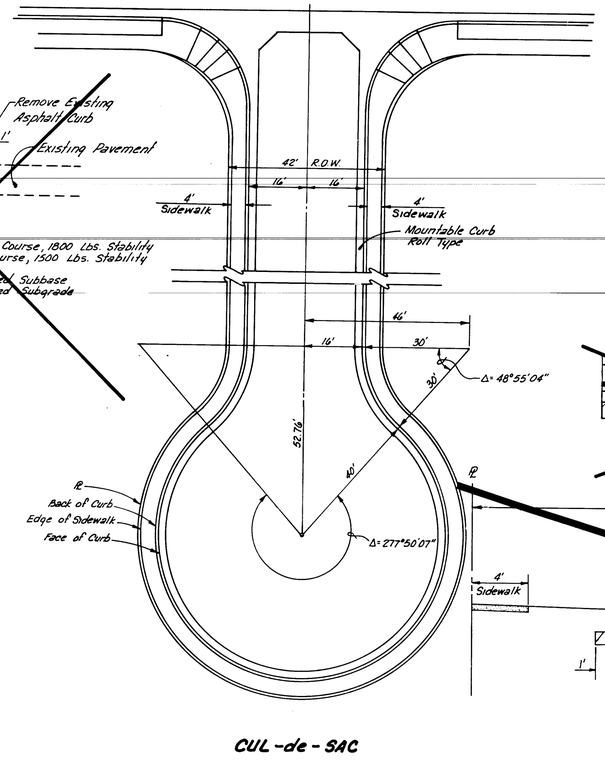
Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808



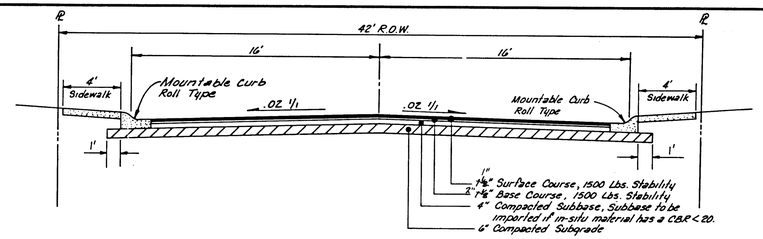
CUL-de-SAC (CREGGS COURT)



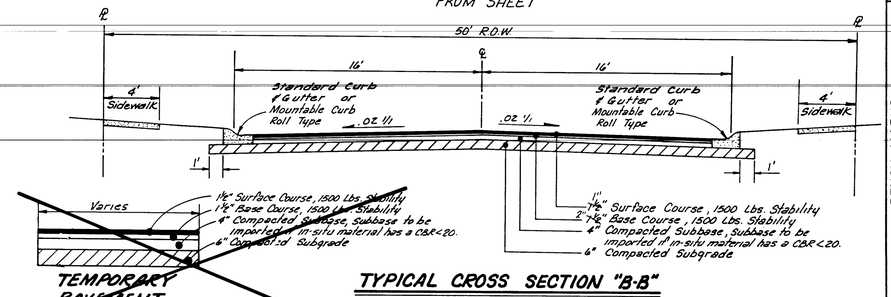
SECTION "C-C"
FROM SHEET 13



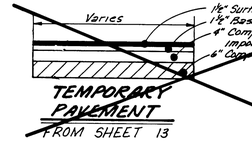
CUL-de-SAC



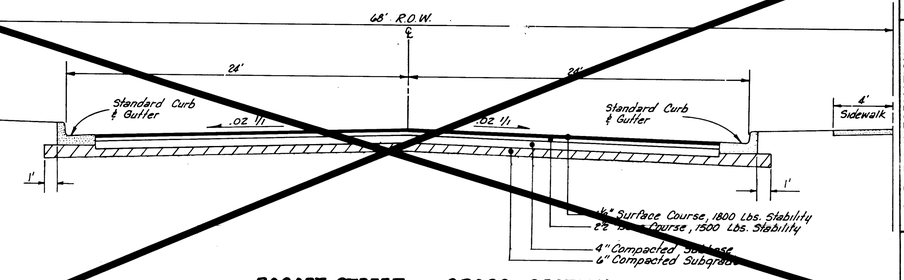
TYPICAL CROSS SECTION "A-A"
FROM SHEET



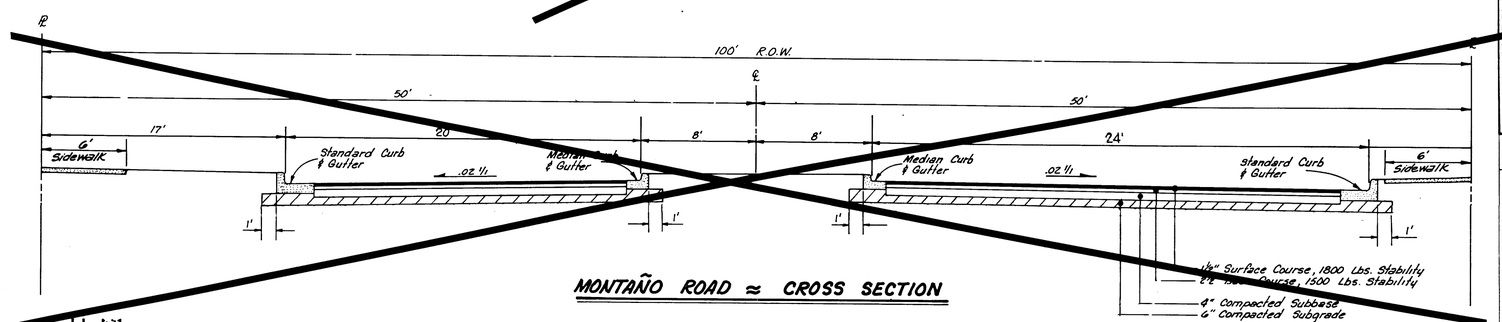
TYPICAL CROSS SECTION "B-B"



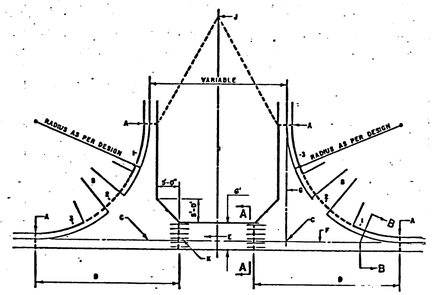
TEMPORARY PAVEMENT
FROM SHEET 13



BOGART STREET ≈ CROSS SECTION



MONTAÑO ROAD ≈ CROSS SECTION

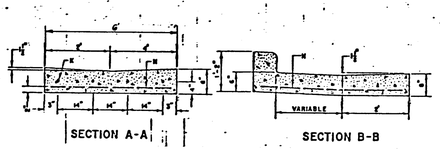


GENERAL NOTES:

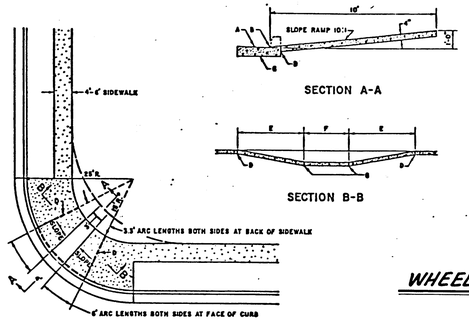
1. DESIGN ELEVATIONS TO BE GIVEN AT EACH END OF THE CURB RETURN (TOP OF CURB ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
2. ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
3. THE VALLEY GUTTER TO BE REINFORCED WITH 6" x 6" x NO. 6 GA. WIRE MESH.
4. INVERT OF VALLEY GUTTER TO EXTEND FROM FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
5. CURB FLOWLINE AND TOP OF CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUARTERPOINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
6. - - - - DENOTES ‖ EXPANSION JOINT.

CONSTRUCTION NOTES:

A. END OF CURB RETURN, SEE NOTE 1.
B. FOR RAMP DETAILS, SEE DWGS. P-16, P-17 AND P-18.
C. INTERSECTION OF FLOWLINES, SEE NOTE 1.
D. SURFACE AND CURB TO BE MONOLITHIC.
E. DIRECTION OF FLOW.
F. FLOWLINE.
G. PROJECTED FLOWLINE W/ ‖ INVERT, SEE NOTE 2.
H. 6" x 6" NO. 6 GA. WIRE MESH.
J. BEGIN CROWN WARP TO STRAIGHT SECTION WHERE SPECIFIED ON PLANS, OR INDICATED BY THE ENGR.
K. NO. 4 BARS 3'-0" LONG AT 16" O.C.



CONCRETE VALLEY GUTTER



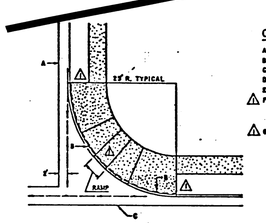
GENERAL NOTES:

1. *RADIUS VARIES DEPENDING UPON LOCATION OF BACK OF SIDEWALK.
2. WHEEL CHAIR RAMPS ARE NORMALLY TO BE LOCATED AT THE CENTER OF RETURN.
3. SURFACE TEXTURE OF WHEEL CHAIR RAMP SHALL BE OBTAINED BY HEAVY BROOMING (TEXTURE DEPTH, .035"), TRANSVERSE TO THE SLOPE OF THE RAMP.
4. SLOPES SHALL BE UNIFORM WITH NO ABRUPT CHANGES IN GRADE.
5. GUTTER FLOW-LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP.

CONSTRUCTION NOTES:

A. SLOPE OF GUTTER DEPENDENT ON REQUIREMENTS FOR VALLEY GUTTER.
B. ‖ LIP AT GUTTER LINE.
C. CURB AND GUTTER.
D. ‖ EXPANSION JOINT.
E. 6 FT. AT FACE OF CURB.
F. 4 FT. AT FACE OF CURB, 3 FT. MIN. AT BACK OF SIDEWALK.
G. CONTRACTION (DUMMY) JOINTS.

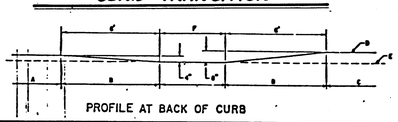
WHEEL CHAIR RAMP



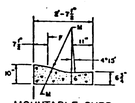
CONSTRUCTION NOTES:

A. MOUNTABLE CURB, ROLL TYPE.
B. CURB TRANSITION.
C. STANDARD CURB & GUTTER.
D. TOP OF CURB.
E. FLOWLINE.
F. DRIVEWAY OR WHEEL CHAIR RAMP WHERE NO CURB DEPRESSION IS NEEDED. TRANSITION LENGTHS BETWEEN DIFFERENT CURB TYPES SHALL BE 10' MIN.
6. ‖ EXPANSION JOINT.

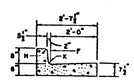
MOUNTABLE TO STANDARD CURB TRANSITION



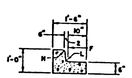
PROFILE AT BACK OF CURB



MOUNTABLE CURB ROLL TYPE



STANDARD C.& G.



MEDIAN C.& G.

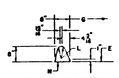
GENERAL NOTES:

1. FOR STANDARD AND MEDIAN CURB & GUTTER PROVIDE CONTRACTION JOINTS AT 6' O.C. MAX. ALSO PROVIDE ‖ PREFORMED EXPANSION JOINTS AT 48' O.C. MAX. AT CURB RETURNS & AT EACH SIDE OF DRIVEWAYS.
2. FOR ALL OTHER CURBING AND/OR GUTTERS PROVIDE CONTRACTION JOINTS AT 10' O.C. ALSO PROVIDE ‖ PREFORMED EXPANSION JOINTS AT 30' O.C., AND ADJACENT TO BUILDINGS & WALLS.
3. ALL EDGES NOT SPECIFICALLY DIMENSIONED SHALL BE EDGED WITH A ¼" OR A ½" EDGING TOOL.

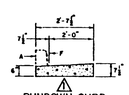
CONSTRUCTION NOTES:

H. ‖ RADIUS.
K. 1‖ RADIUS.
L. ‖ RADIUS.
M. 24" RADIUS.
A. REQUIRES CONC. SURFACE TREATMENT, ON CUT-OFF WALL, PROVIDE ‖ PREFORMED EXPANSION JOINT MATERIAL BETWEEN BACK OF CURB & CONC. SURFACE OR WALL.
B. EXIST. P.C.C. OR ASPHALT CONC. PAVEMENT.
F. THEORETICAL FACE OF CURB OR FLOWLINE.

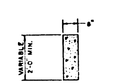
CURB AND GUTTER



ASPHALT CURB



RUNDOWN CURB



CUT-OFF WALL

(Record Drawing)

REGISTERED PROFESSIONAL ENGINEER JEAN J. BORDENAVE 5110

26 1883 0784

PHASE 2

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER JEAN J. BORDENAVE 5110

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE SANTA FE VILLAGE UNIT 2
PAVING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		10/8/84	Traffic		11/1/84
A.C.E. Hydrology		11/8/84	Water	—	

DRAWING NO. 1883

SHEET 7 OF 24

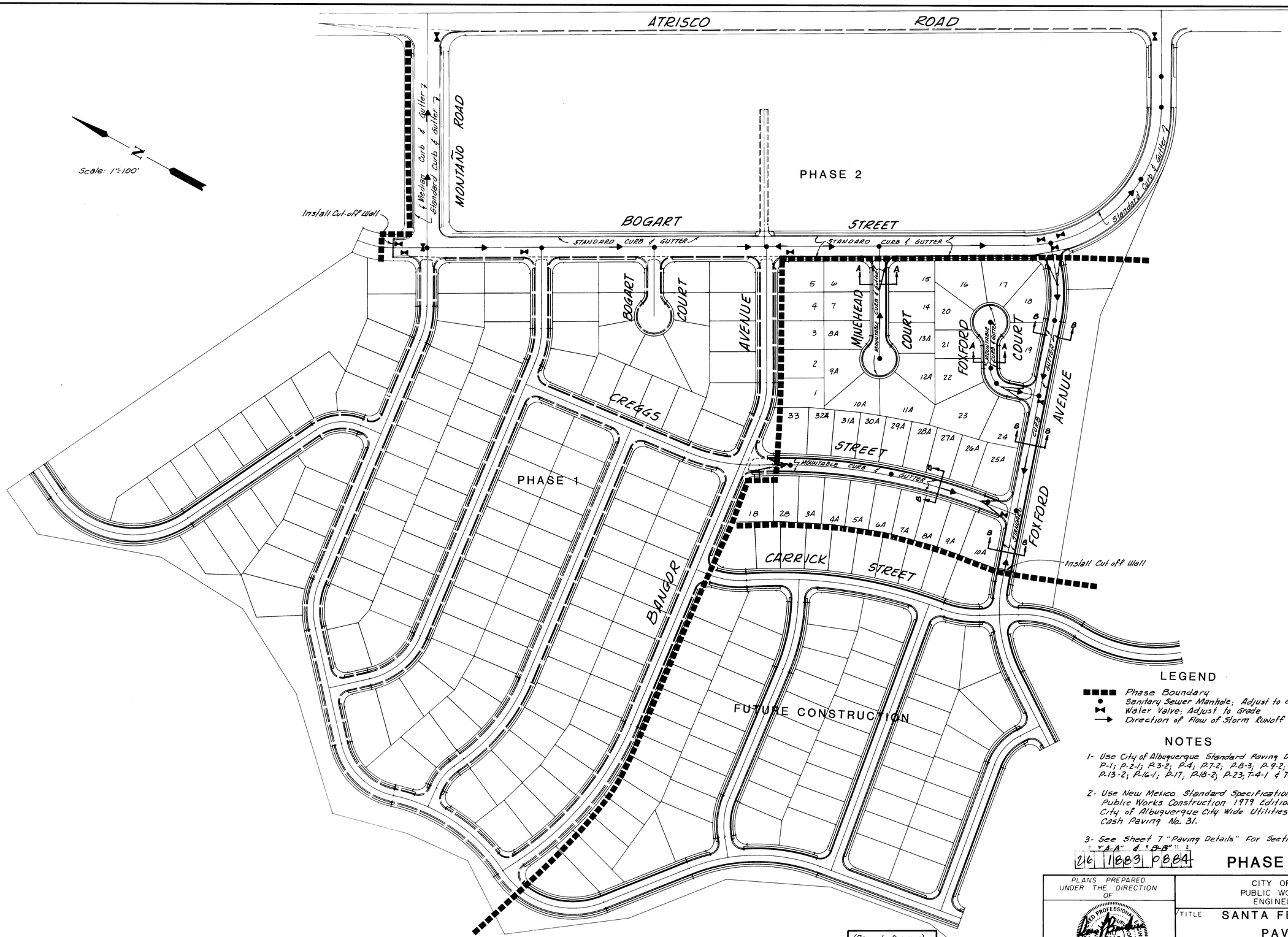
AS BUILT INFORMATION
CONTRACTOR K.U.C. INC.
WORK STAKED BY DM.JM/JA/HA DATE 2/84 & 4/84
INSPECTOR'S ACCEPTANCE BY DM.JM/JA/HA DATE 4/84
FIELD VERIFICATION BY DM.JM/JA/HA DATE 4/84
DRAWINGS CORRECTED BY DM.JM/JA/HA DATE 4/84
MICRO-FILM INFORMATION
REFILMED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. E-10
EST. NO.
W.O. NO.

REMARKS
REVISIONS
NO. DATE BY



LEGEND

- Phase Boundary
- Sanitary Sewer Manhole; Adjust to Grade
- Water Valve; Adjust to Grade
- Direction of Flow of Storm Runoff

NOTES

1- Use City of Albuquerque Standard Paving Details P-1; P-2-1; P-3-2; P-4; P-7-2; P-8-3; P-9-2; P-13-2; P-16-1; P-17; P-18-2; P-23; T-4-1 & T-5-1.

2- Use New Mexico Standard Specifications for Public Works Construction 1979 Edition and City of Albuquerque City Wide Utilities Cash Paving No. 31.

3- See Sheet 7 "Paving Details" For Sections "A-A" & "B-B"

216	1883	0884

PHASE 2

(Record Drawing)

PROFESSIONAL SURVEYOR NO 6110 JEAN J. BORDENAVE NEW MEXICO

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER NO 6110 JEAN J. BORDENAVE NEW MEXICO

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE 5/22/84

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
PAVING LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	-	
A.C.E. Design		5/18/84	Traffic		5/18/84
A.C.E. Hydrology		5/18/84	Water	—	

DRAWING NO. 1883

SHEET 8 OF 24

AS BUILT INFORMATION
CONTRACTOR K.N.C. Inc.
WORK STAKED BY DMJM/AHA DATE 3/24-4/84
INSPECTORS ACCEPTANCE BY DMJM/AHA DATE 6/1/84
FIELD VERIFICATION BY DMJM/AHA DATE 6/1/84
DRAWINGS CORRECTED BY DMJM/AHA DATE 6/1/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS "16-E-10" Elev 5134.777

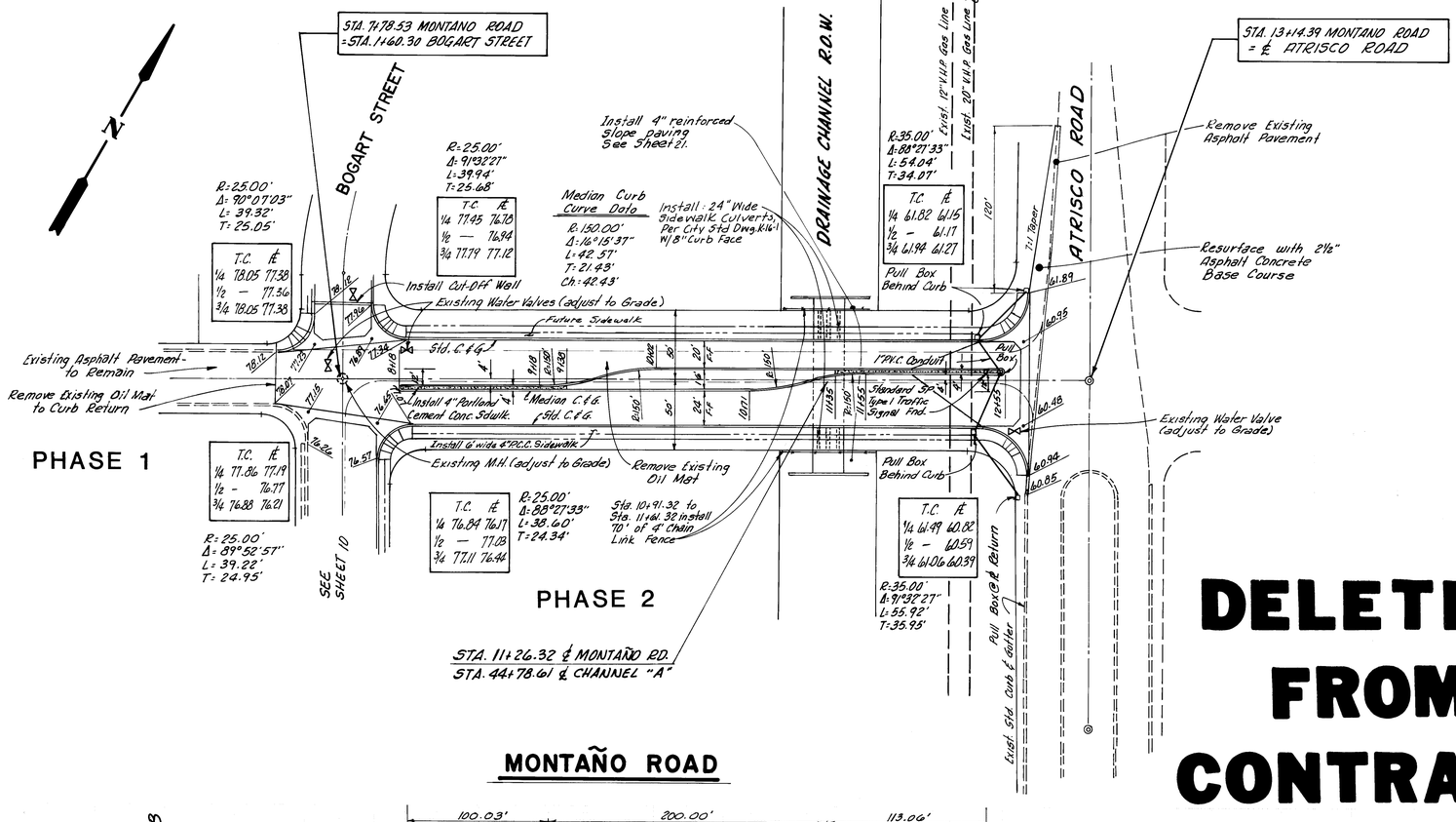
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. E-10
EST. NO.
W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808



DELETED FROM CONTRACT

Vertical: 1"=10'
Horizontal: 1"=50'

26 1883 0984

PHASE 2

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
PAVING P & P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		5/9/84	Traffic	David W. Hanna	5/11/84
A.C.E. Hydrology		5/10/84	Water	—	

DRAWING NO. 1883

SHEET 9 OF 24

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO
DATE

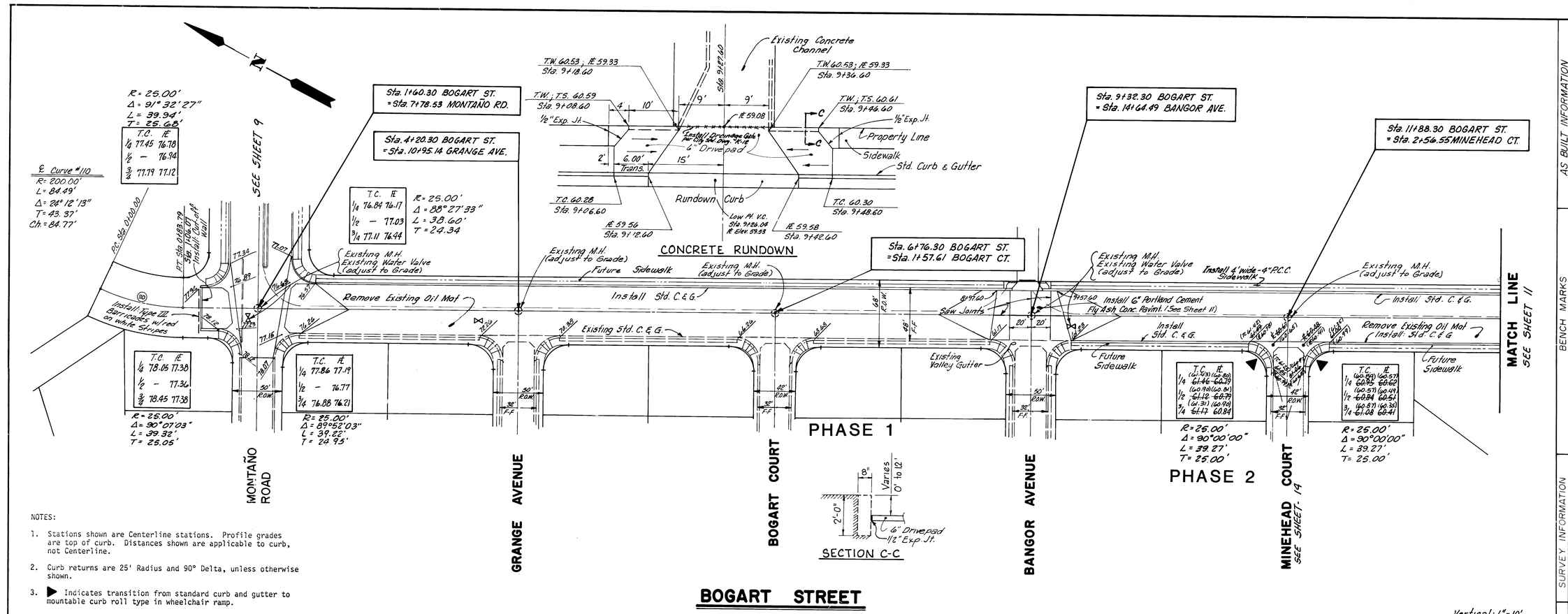
BENCH MARKS
ACS "16-E10" Elev. 5134.777
A Square ☐ chiseled on top of concrete curb of the East North East curb return of Atrisco Road and Flor Del Sol Place N.W.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO.
EST. NO.
W.O. NO.

REMARKS
REVISIONS
NO. DATE BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808



NOTES:

1. Stations shown are Centerline stations. Profile grades are top of curb. Distances shown are applicable to curb, not Centerline.
2. Curb returns are 25' Radius and 90° Delta, unless otherwise shown.
3. ▶ Indicates transition from standard curb and gutter to mountable curb roll type in wheelchair ramp.

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTED BY — DATE
ACCEPTANCE BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Acs "14-E10" Elev. 5134.777
A square □ chiseled on top of concrete curb at the East North East curb return of Arroyo Road and Far Del Sol Place N.W.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. E-10
EST. NO. — W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY
1	7/8/83	Phase 1 Constructed See Dwg No. 1295	A.K.H.

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

26 1883 1084

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER NO. 5110 STATE OF NEW MEXICO — JOHN J. BORDENAVE

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 5/12/86

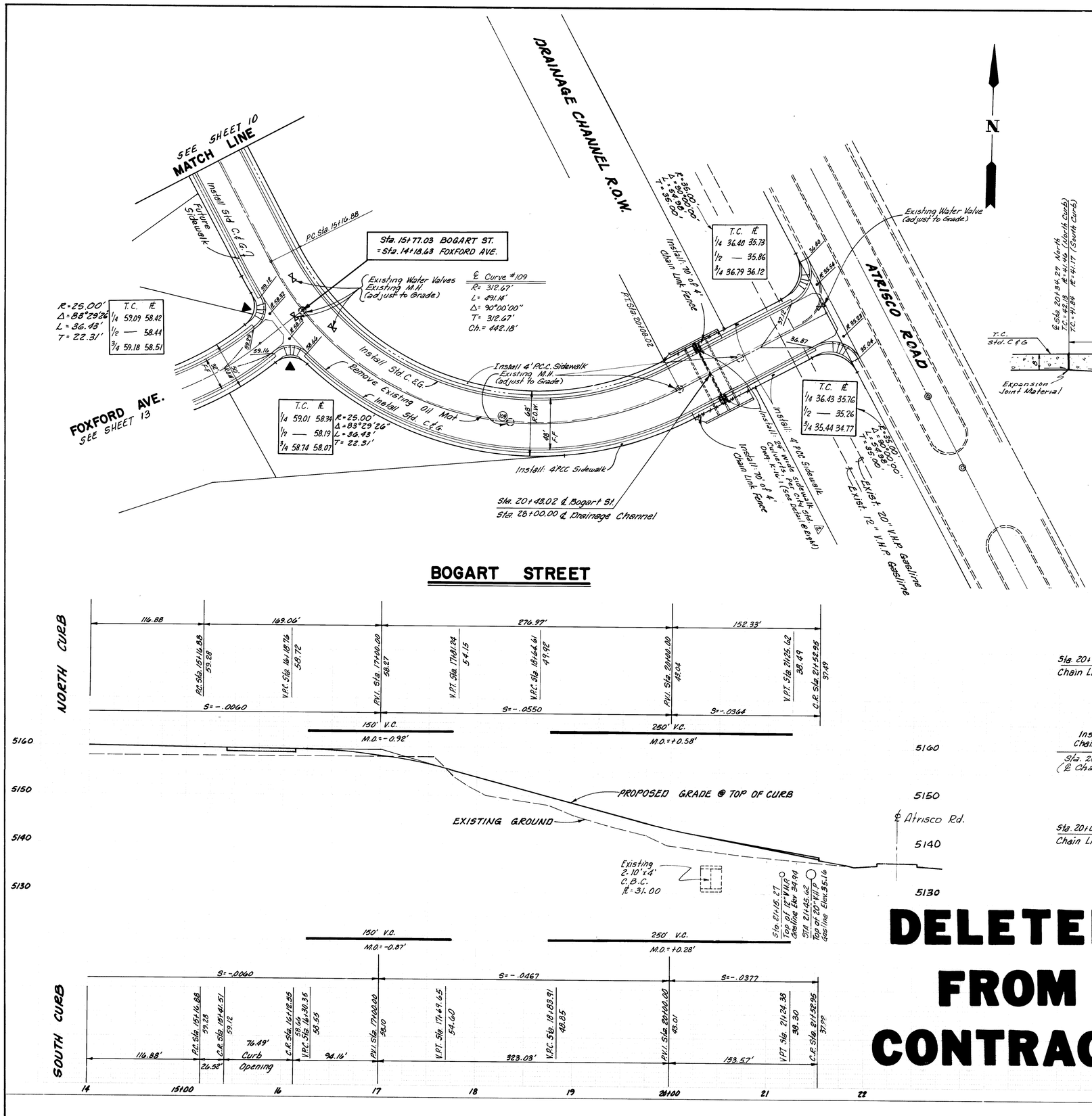
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
PAVING P & P

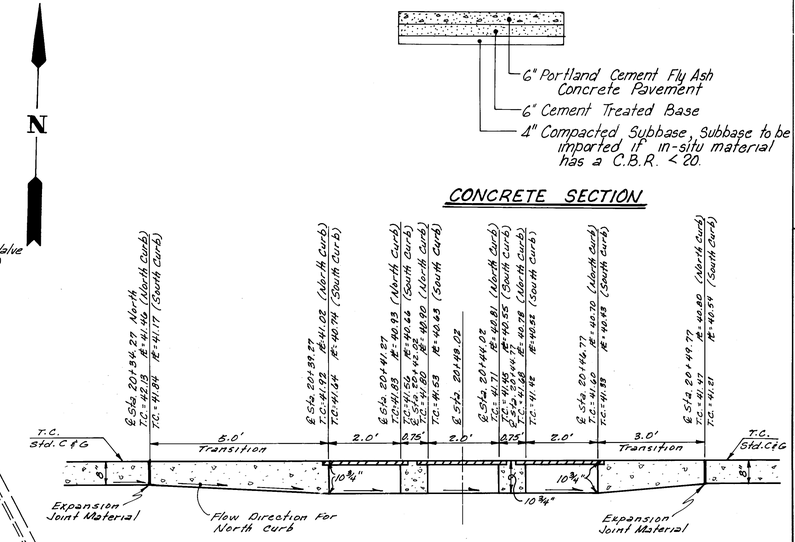
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 1883

SHEET 10 OF 74



BOGART STREET



SIDEWALK CULVERTS ≈ SECTION A-A

NOTES:

1. Stations shown are Centerline stations. Profile grades are top of curb. Distances shown are applicable to curb, not Centerline.
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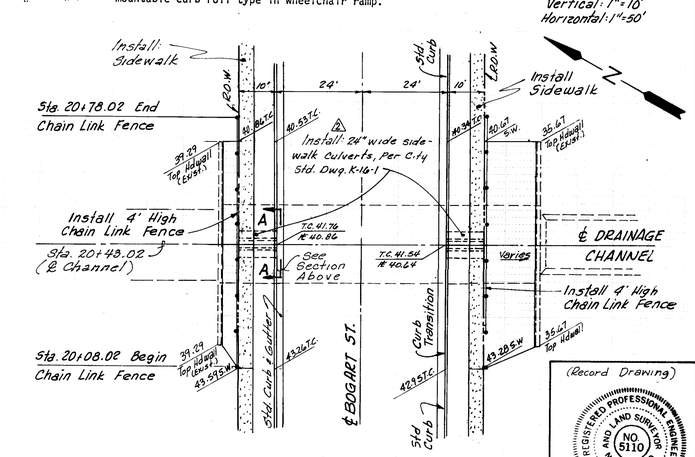

SLOPE PAVEMENT DETAIL

Scale: 1" = 20'

(Record Drawing)

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 NEW MEXICO JEAN J. BORDENAVE

26 1883 1184

PHASE 2

DELETED FROM CONTRACT

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
SURVEY CHECKED BY — DATE
ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
Elev. 5134.777
A 3" x 3" x 10" □ square disk set on top of concrete curb at the East North East curb return of Atrisco Road and Far Del Sol Place N.W.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

REFERENCES
MAP NO. E-10 | W.O. NO. | EST. NO.

NO.	DATE	REMARKS REVISIONS	BY
1	7-8-83	Temporary Pavement Built See Dwg. 1285	A.H.H.
2	4-17-84	Added Drainage Structures	DWM

Adam, Hamlyn, Anderson
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Albuquerque, New Mexico 87109 Ph.881-1808

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 NEW MEXICO JEAN J. BORDENAVE

APPROVED FOR CONSTRUCTION
5/22/84
CITY ENGINEER — DATE

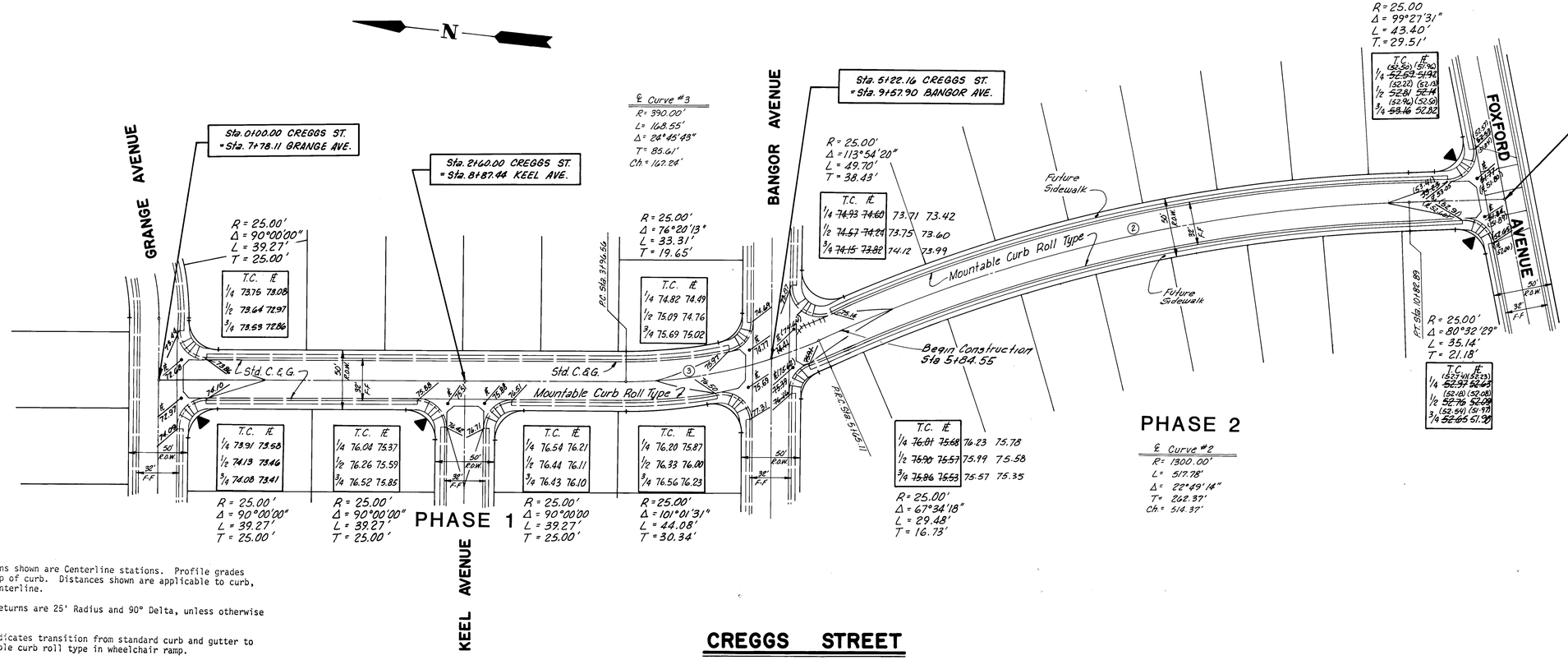
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
PAVING P & P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 1883

SHEET 11 OF 24



NOTES:

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2. Curb returns are 25' Radius and 90° Delta, unless otherwise shown.
3. ▶ Indicates transition from standard curb and gutter to mountable curb roll type in wheelchair ramp.

AS BUILT INFORMATION
CONTRACTOR K.W.C. Inc.
WORK STAKED BY DMJM/AHA DATE 4/84
INSPECTORS ACCEPTANCE BY DMJM/AHA DATE 4/84
FIELD VERIFICATION BY DMJM/AHA DATE 4/84
DRAWINGS CORRECTED BY DMJM/AHA DATE 4/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Elev. 5134.777
ACS "14 E10" A square ☐ chiseled on top of concrete curb at the East North East curb return of Arrisco Road and far Dry Soil Place N.W.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. E-10
EST NO. W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY
1	7-9-83	Phase 1 Built, Phase 2 Profile Revised	M.H.A.

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

(Record Drawing)
REGISTERED PROFESSIONAL ENGINEER NO. 5110 STATE OF NEW MEXICO JEAN BORDEN

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER NO. 5110 STATE OF NEW MEXICO JEAN BORDEN

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE 5/22/84

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

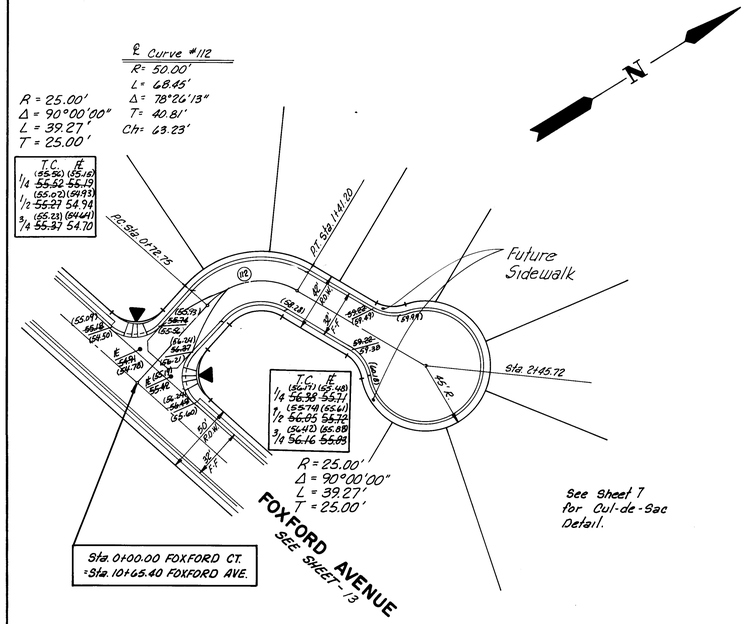
TITLE: SANTA FE VILLAGE UNIT 2
PAVING P & P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology		11/18/83	Water		11/17/83

DRAWING NO. 1883

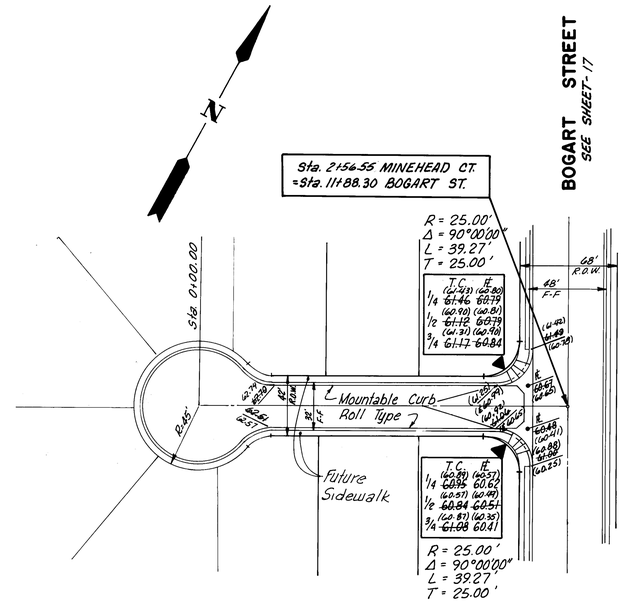
SHEET 12 OF 24

SECTION A-A
1/4 Scale
Top of Std. C&G
Expansion Joint Material
Install 2.0' wide Sidewalk Culverts, Per City Std. Dwg. K-16-1 (Typ.)
Transition
Flow Direction
T.C.
SECTION B-B
Typical Concrete Spillway
No Scale
P.C.C. w/ 6"x6"x N6 Gage Wire Mesh
SECTION C-C
Valley Gutter
Property Line
Drivepad
1/2" Bitum. Premoulded Exp. Jt.
Rundown Curb
1/2" Bitum. Pre-moulded Exp. Jt.
Elev. (50.70)
Elev. 48.50
SECTION D-D
6" Drivepad
SECTION E-E
PCC W/ 6"x6"x No. 6 Gage W.W.F.
Sta. 6+63.12 - Limit of Paving
~~Const. Cut-off Wall~~
~~Install Type III Barricades with Red and White Stripes~~
CREGGS STREET
SEE SHEET - 12
Sta. 7+90.75 FOXFORD AVE. = Sta. 11+68.95 CREGGS ST.
FOXFORD COURT
SEE SHEET - 14
Sta. 10+65.40 FOXFORD AVE. = Sta. 0+00.00 FOXFORD CT.
BOGART STREET
SEE SHEET - 11
℄ Curve #111
R = 310.00'
L = 122.19'
Δ = 22°35'04"
T = 61.90'
Ch. = 121.40'
Future Sidewalk
See Section A-A
Sawed Joints
(6") 8" Portland Cement Pl. Ash Conc. Pavement (See Sheet 11)
Std. C. & G.
Concrete Spillway (See Section ⓒ Left)
Bottom of Detention Basin 5148.50
~~Install Standard Drainage Gate~~
~~Construct 4' PCC Sidewalk~~
~~Sta. 6+63.12 Rt. to Sta. 13+71.96 Rt.~~
Deleted Per SV-84-17
Low Point on Vertical Curve
Rundown Curb
Cap W/ 1/2" dia. orifice
Elev. 5153.00
Dry Rip-Rap
NOTE: See Sheet 24 for Spillway Details.
Sta. 14+18.43 FOXFORD AVE. = Sta. 15+77.03 BOGART ST.
NOTE: Construct 9' sidewalk Sta. 6+97 to Sta. 7+68
1/2" Exp. Jt.
Std. Curb & Gutter
Property Line
Sidewalk
6" Drivepad
8"x8" Pressure Treated Wood Posts
CONCRETE RUNDOWN
FOXFORD AVENUE
NORTH
SOUTH
Sta. 6+63.12 Cut off Wall
Sta. 7+68.00
Sta. 7+78.00
Sta. 8+12.00
Sta. 8+22.00
Sta. 8+00.00
Sta. 9+50.00
200' V.C.
100' V.C.
50' V.C.
PROPOSED GRADE @ TOP OF CURB
EXISTING GROUND
S = -.0180
S = +.0160
S = +.01933
S = -.01685
M.O. = +10.85'
M.O. = -0.19'
M.O. = -0.21'
M.O. = -0.04'
M.O. = +10.93
26 1883 1384
PHASE 2
(Record Drawing)
PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER NO. 5110 JEAN J. BORDENAVE
APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
TITLE: SANTA FE VILLAGE UNIT 2
PAVING P & P
APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE
City Engineer | | | Liquid Waste | | |
A.C.E. Design | | | Traffic | | 11/7/91
A.C.E. Hydrology | | | Water | | |
DRAWING NO. 1883
SHEET 13 OF 24
NOTES:
1. Stations shown are Centerline stations. Profile grades are top of curb. Distances shown are applicable to curb, not Centerline.
2. Curb returns are 25' Radius and 90° Delta, unless otherwise shown.
3. ▶ Indicates transition from standard curb and gutter to mountable curb roll type in wheelchair ramp.
Vertical: 1" = 10'
Horizontal: 1" = 50'
AS BUILT INFORMATION
CONTRACTOR K.J.C. Inc.
WORK STAMPED BY DMJM/AHA DATE 7-24-84
ACCEPTANCE BY DMJM/AHA DATE 4-8-84
FIELD LOCATION BY DMJM/AHA DATE 4-8-84
DRAWINGS BY DMJM/AHA DATE 4-8-84
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY DATE
NO.
BENCH MARKS
Elev. 5134.772
A square ☐ chiseled on top of concrete curb at the East North East curb return of Atrisco Road and Fox Del Sol Place N.W.
Elev. 5148.50
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
REFERENCES
MAP NO. E-10
EST. NO.
W.O. NO.
N.A.
DATUM
BY
REVISIONS
REMARKS
NO. DATE
1 7-8-83 Length of Road Reduced
2 4-17-84 Added Drainage Structures
Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808



See Sheet 7 for Cul-de-Sac Detail.

See Sheet 7 for Cul-de-Sac Detail.



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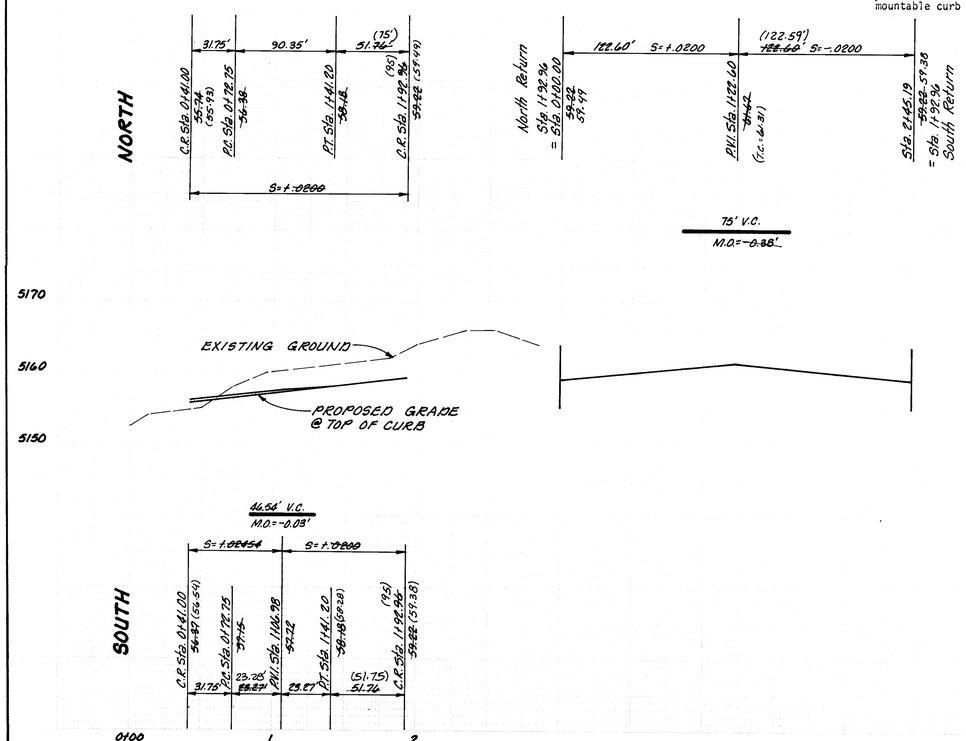
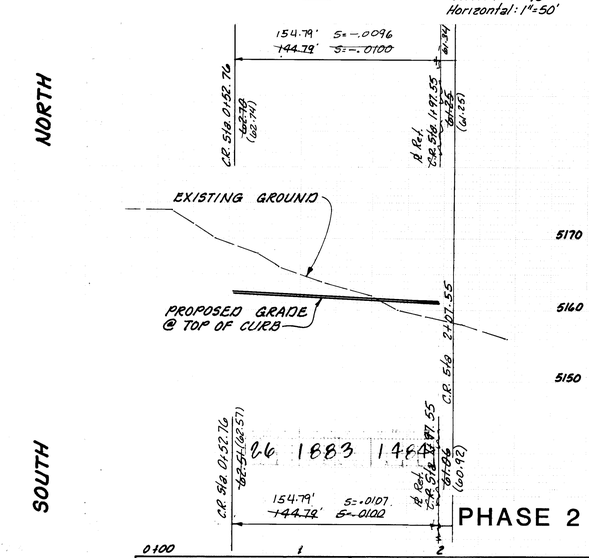
FOXFORD COURT



MINEHEAD COURT



(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
PAVING P & P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 1883

SHEET 14 OF 24

AS BUILT INFORMATION
CONTRACTOR KJC Inc.
WORK STAKED BY DMJM/AHA DATE 4/84
INSPECTORS DMJM/AHA DATE 4/84
ACCEPTANCE BY DMJM/AHA DATE 4/84
FIELD VERIFICATION BY DMJM/AHA DATE 4/84
DRAWINGS CORRECTED BY DMJM/AHA DATE 4/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
A 25 "16-E10" A square ☐ chiseled on top of concrete curb at the East North East curb return of Afrisco Road and Flor Del Sol Place N.W. Elev. 5134.777

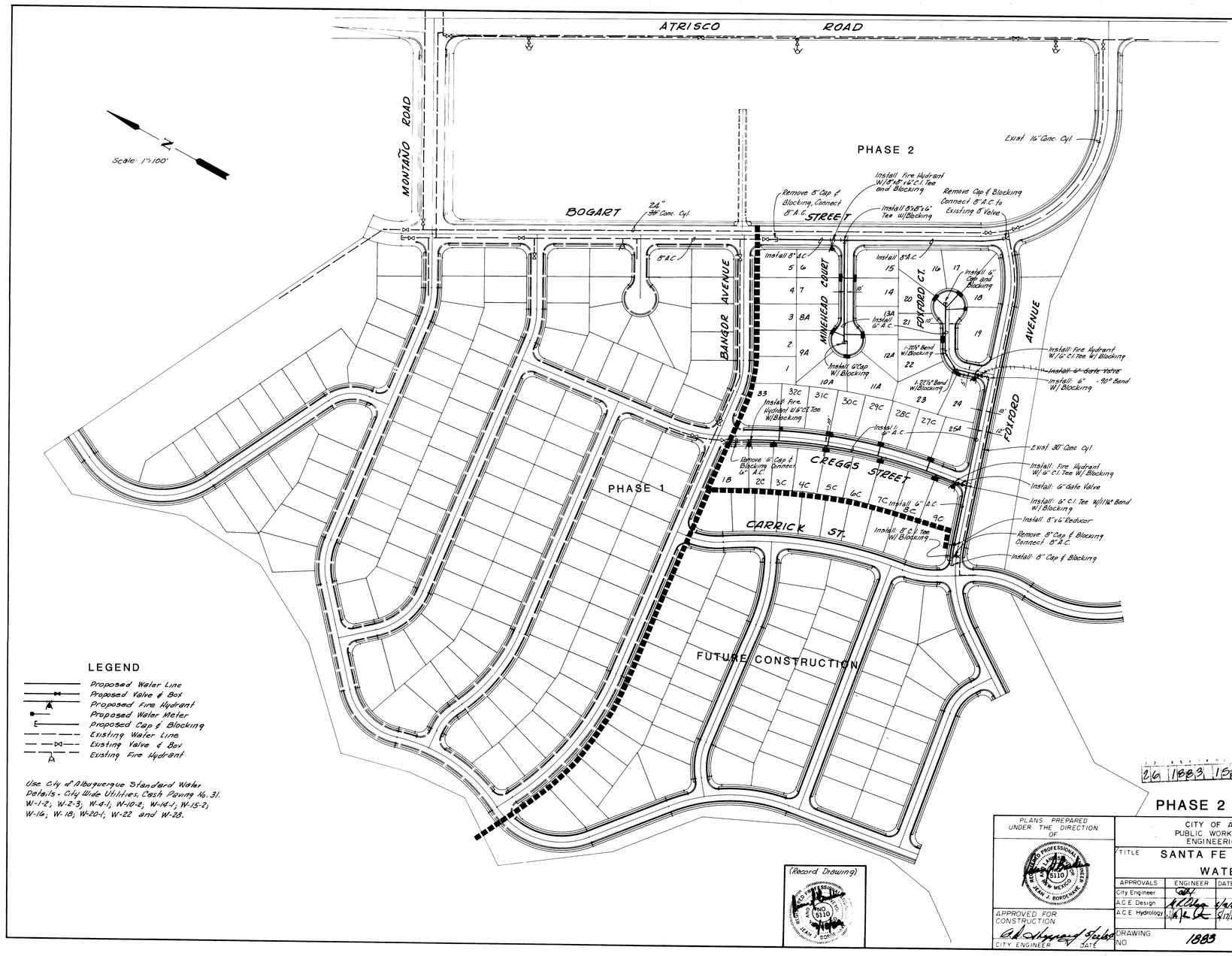
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. E-10
EST. NO. W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY
1	7/8/83	Minehead Court Revised	MHA

Adam, Hamlyn; Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808



LEGEND

- Proposed Water Line
- Proposed Valve & Box
- Proposed Fire Hydrant
- Proposed Water Meter
- Proposed Cap & Blocking
- Existing Water Line
- Existing Valve & Box
- Existing Fire Hydrant

Use City of Albuquerque Standard Water Details - City Wide Utilities, Cash Paving No. 31. W-1-2; W-2-3; W-4-1; W-10-2; W-14-1; W-15-2; W-16; W-18; W-20-1; W-22 and W-23.

(Record Drawing)

AS BUILT INFORMATION
CONTRACTOR EMC, Inc.
WORK STAKED BY DAVID / MAA DATE 3-84-4-84
FIELD VERIFIED BY DAVID / MAA DATE 4-84
ACCEPTANCE BY DAVID / MAA DATE 4-84
DRAWINGS CORRECTED BY DAVID / MAA DATE 4-84
MICRO - FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS "16-E-10" Elev. 5134.777
A Square Chiseled on top of concrete curb at the East North East curb return of Atrisco Road and Flor De Sol Place N.W.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. E-10
EST. NO.
W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

26	1883	1584

PHASE 2

PLANS PREPARED UNDER THE DIRECTION OF
REGISTERED PROFESSIONAL ENGINEER NO. 5110 STATE OF NEW MEXICO JAMES T. BORDENKIRCHER

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

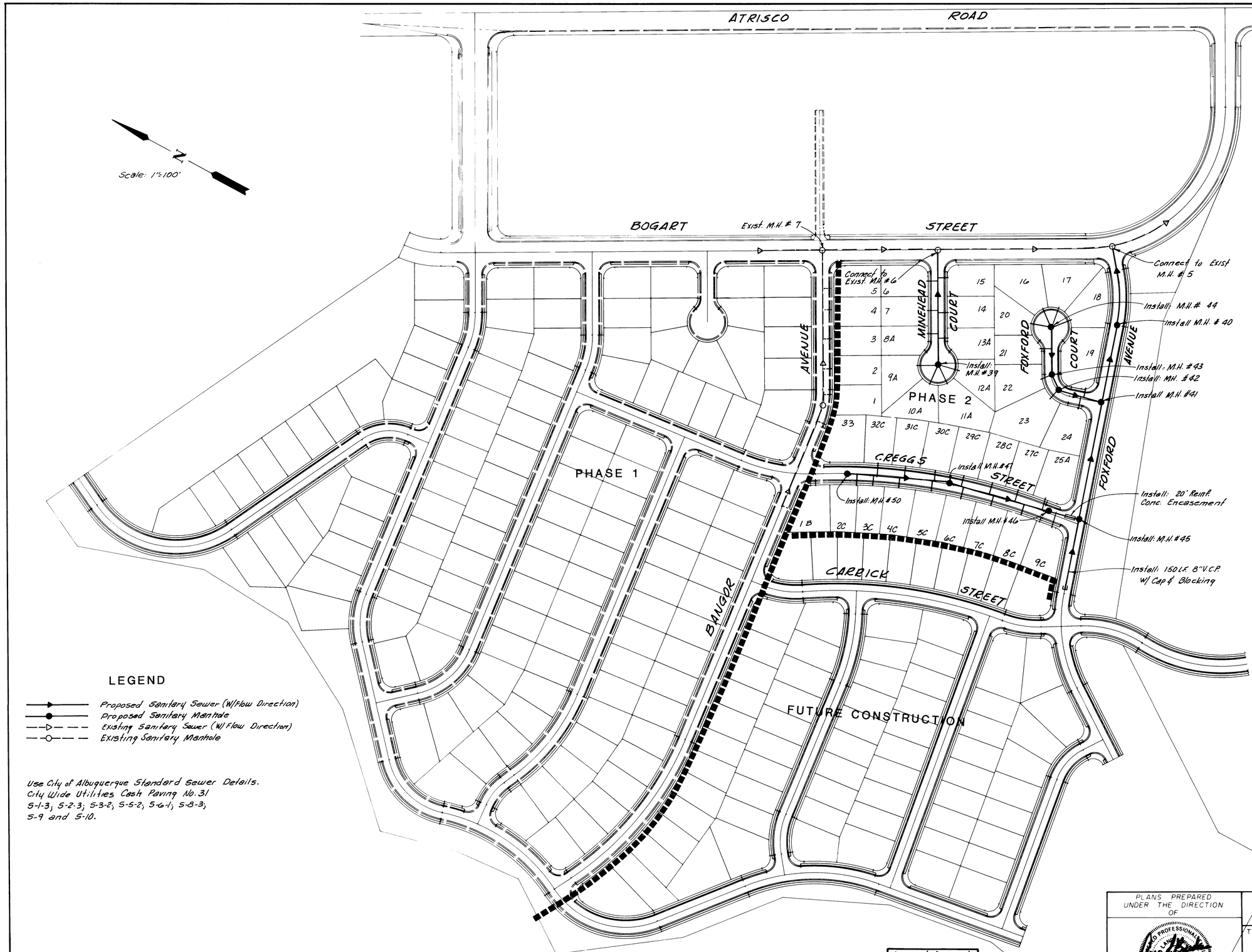
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE SANTA FE VILLAGE UNIT 2
WATER LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. 1883

SHEET 15 OF 24



(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 JUAN J. BORDENAVE NEW MEXICO

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

AS BUILT INFORMATION

CONTRACTOR	EUC Inc.	
WORK STAKED BY	DMJM/AHA	DATE 3-29-84
INSPECTORS ACCEPTANCE BY	DMJM/AHA	DATE 4-2-84
FIELD VERIFICATION BY	DMJM/AHA	DATE 4-2-84
DRAWINGS CORRECTED BY	DMJM/AHA	DATE 4-2-84

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

BENCH MARKS

A.C.S "16-E-10" Elev. 5134.777

A Square □ chiseled on top of Concrete curb at the East North East curb return of Atrisco Road and Flor De Sol Place N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

REFERENCES

MAP NO. E-10

EST NO.

W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY

1	2	3	4	5	6	7	8	9	10	11	12
2	6	1	8	8	3		1	6	8	4	

PHASE 2

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

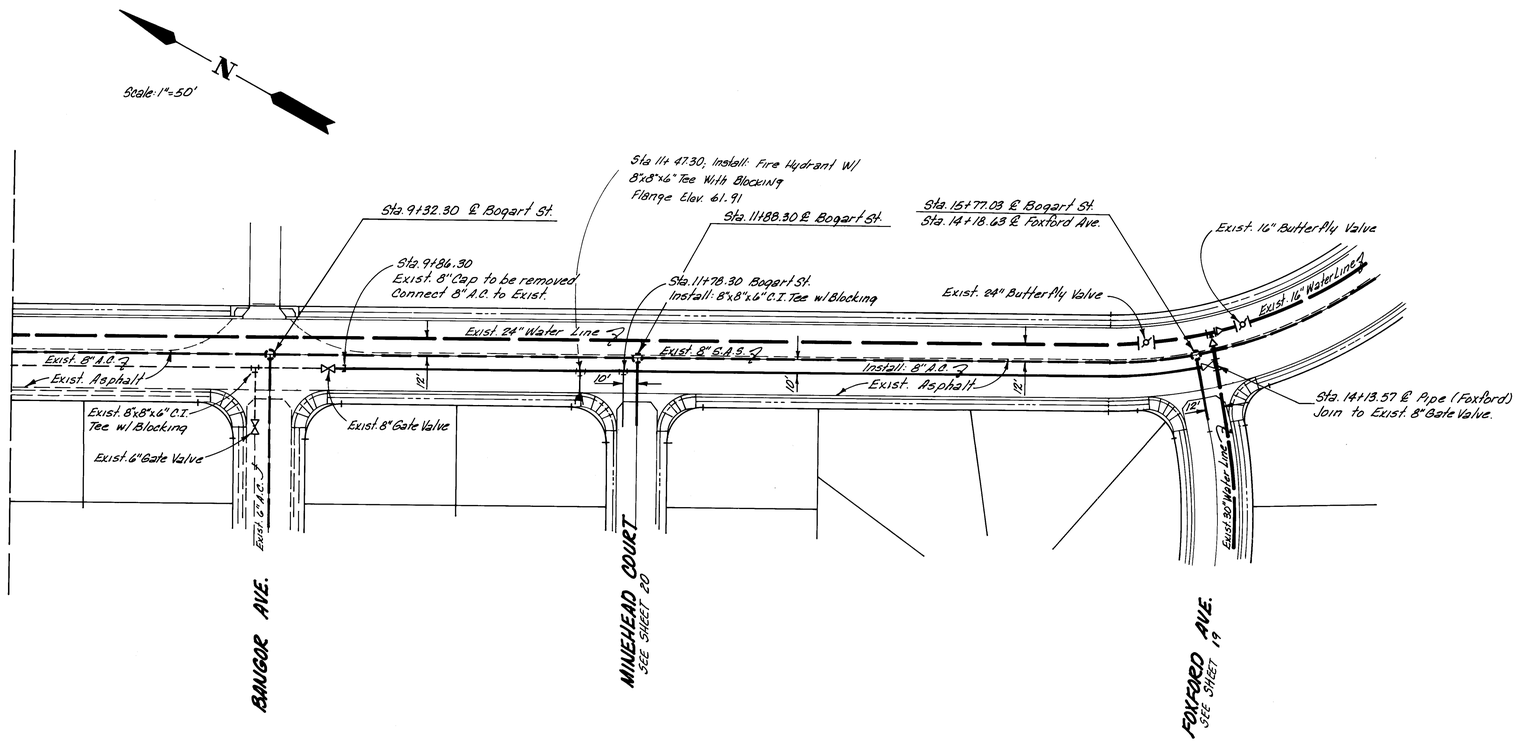
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
SEWER LAYOUT

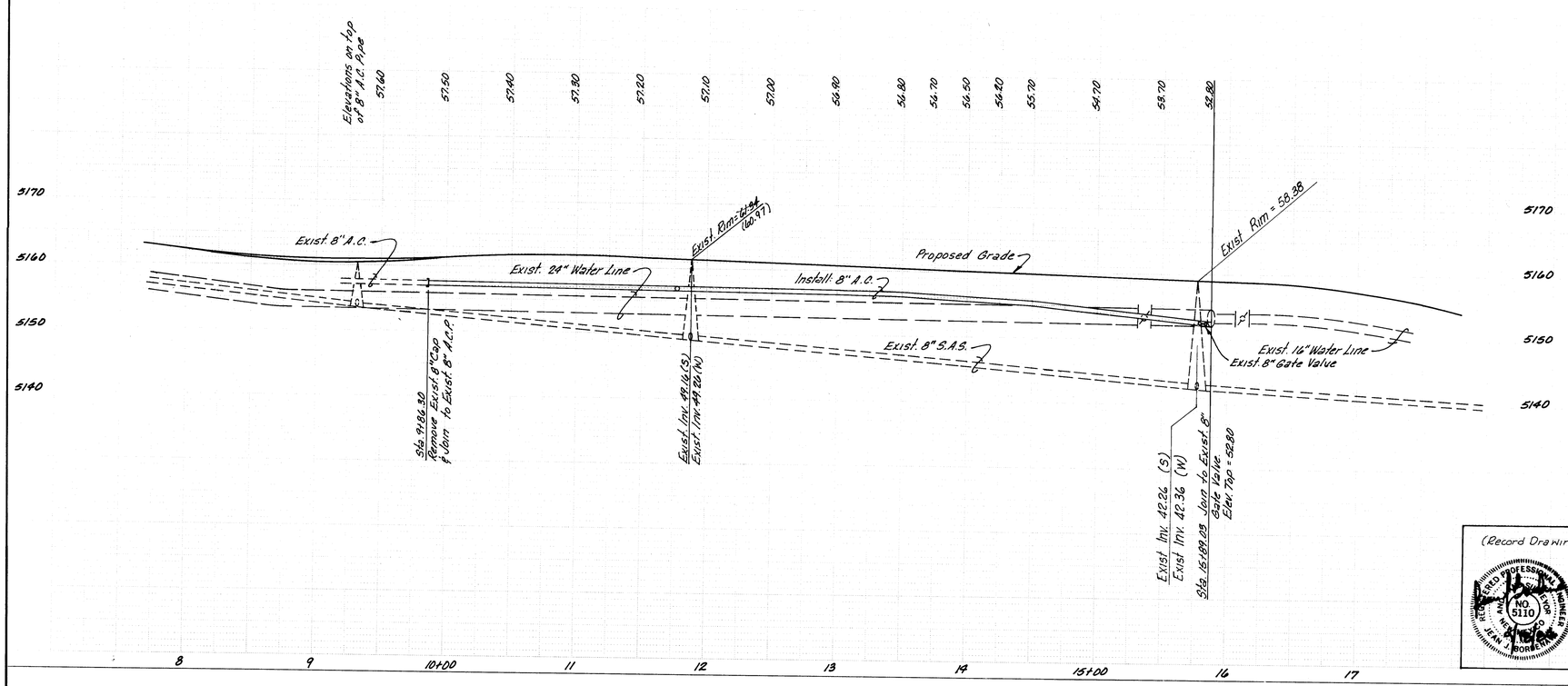
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	J.E. Estgaard	5/21/84
A.C.E. Design		5/16/84	Traffic	W.A. Duff	6/6/84
A.C.E. Hydrology		5/16/84	Water	J.E. Estgaard	5/21/84

DRAWING NO. 1883

SHEET 16 OF 24



Vertical: 1"=10'
Horizontal: 1"=50'



PHASE 2

AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTED BY	
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	
DATE	
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

BENCH MARKS

Elev. 5134.777

A 3.25" "16-E10" A square ☐ chiseled on top of conc. curb at the East North East curb return of Alvisco Road and Fibr. Dal Sol Place N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

REFERENCES

MAP NO. E-10

EST. NO.

W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

26 1883 1784

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER NO. 5110 NEW MEXICO JEAN J. BORDENAVE

APPROVED FOR CONSTRUCTION

5/22/02

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

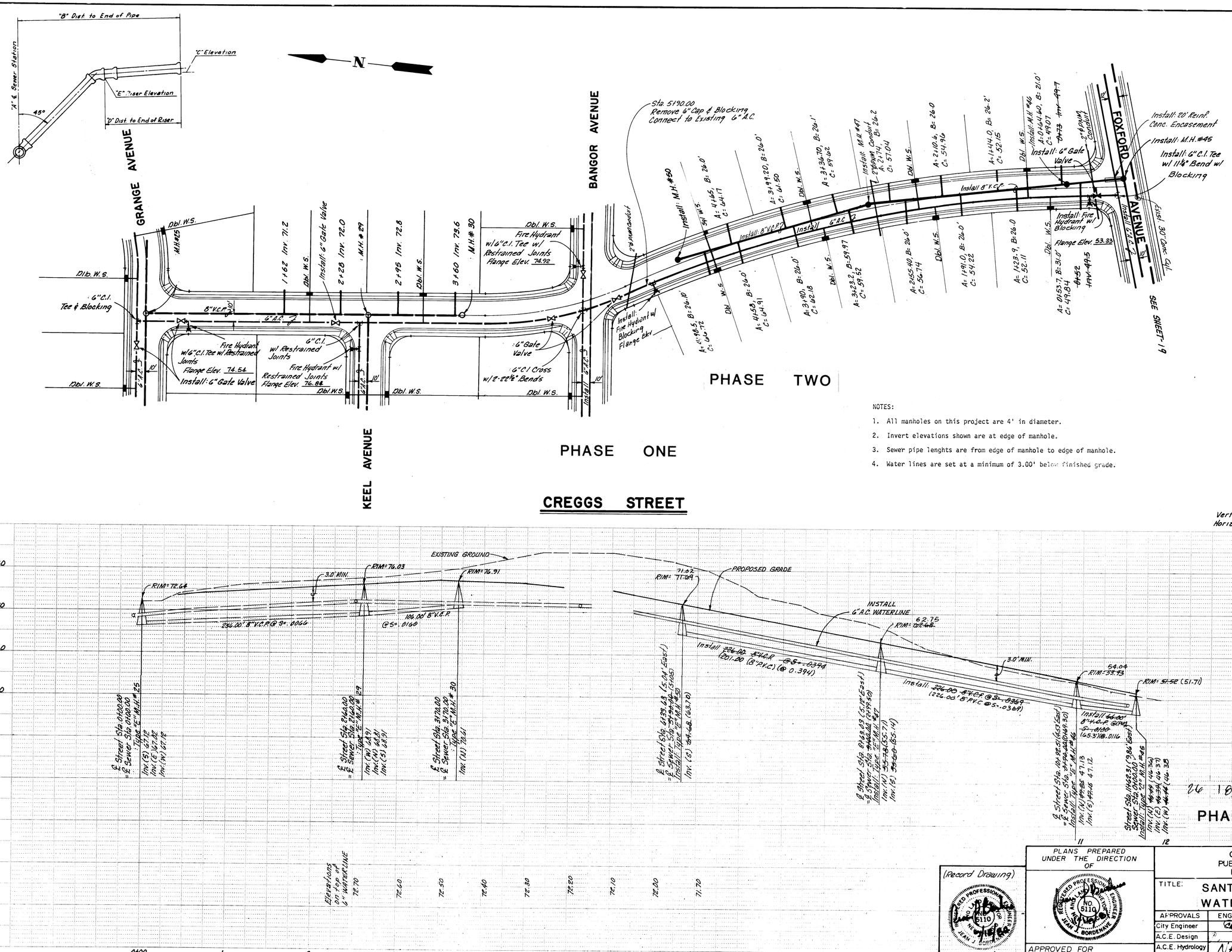
TITLE: SANTA FE VILLAGE UNIT 2

WATER & SEWER P & P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	J.E. Bordenave	5/21/02
A.C.E. Design		5/21/02	Traffic	David W. H.	5/21/02
A.C.E. Hydrology		5/21/02	Water	J.E. Bordenave	5/21/02

DRAWING NO. 1883

SHEET 17 OF 24



NOTES:

1. All manholes on this project are 4' in diameter.
2. Invert elevations shown are at edge of manhole.
3. Sewer pipe lenghts are from edge of manhole to edge of manhole.
4. Water lines are set at a minimum of 3.00' below finished grade.

26 1883 1884

PHASE 2

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
WATER AND SEWER P&P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		11-17-84
A.C.E. Design			Traffic		
A.C.E. Hydrology	N/A		Water		11-17-84

DRAWING NO. 1883

SHEET 18 OF 24

NO.	DATE	REMARKS REVISIONS
1	7/1/83	Revised San. Sewer & Hose Cam. Phase 2
2	6-29-84	Revised lots & Utilities on Creggs Street

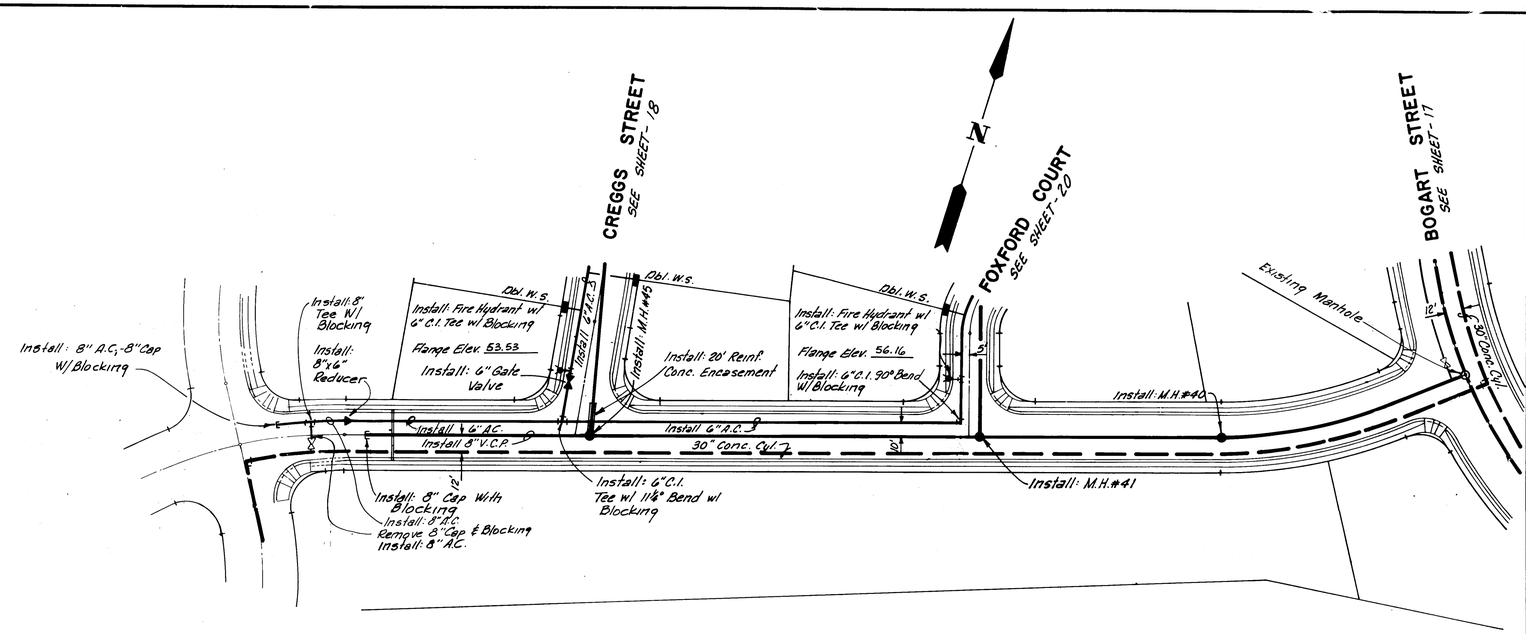
Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

REFERENCES: MAP NO. N/A; EST. NO. N/A; W.O. NO.; BY

SURVEY INFORMATION — FIELD NOTES: NO. / BY / DATE

BENCH MARKS: A.C.S. 1"x 10" Elev. 5134.777
A square □ chiseled on top of concrete curb at the East North East curd return of Arrisco Road and Far Del Sol Place N.W.

AS BUILT INFORMATION
CONTRACTOR K.N.C. Inc. DATE 3/24-1984
WORK INSPECTORS DWJM/AHA DATE 4/84
ACCEPTANCE BY DWJM/AHA DATE 4/84
VERIFICATION BY DWJM/AHA DATE 4/84
DRAWINGS CORRECTED BY DWJM/AHA DATE 4/84
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

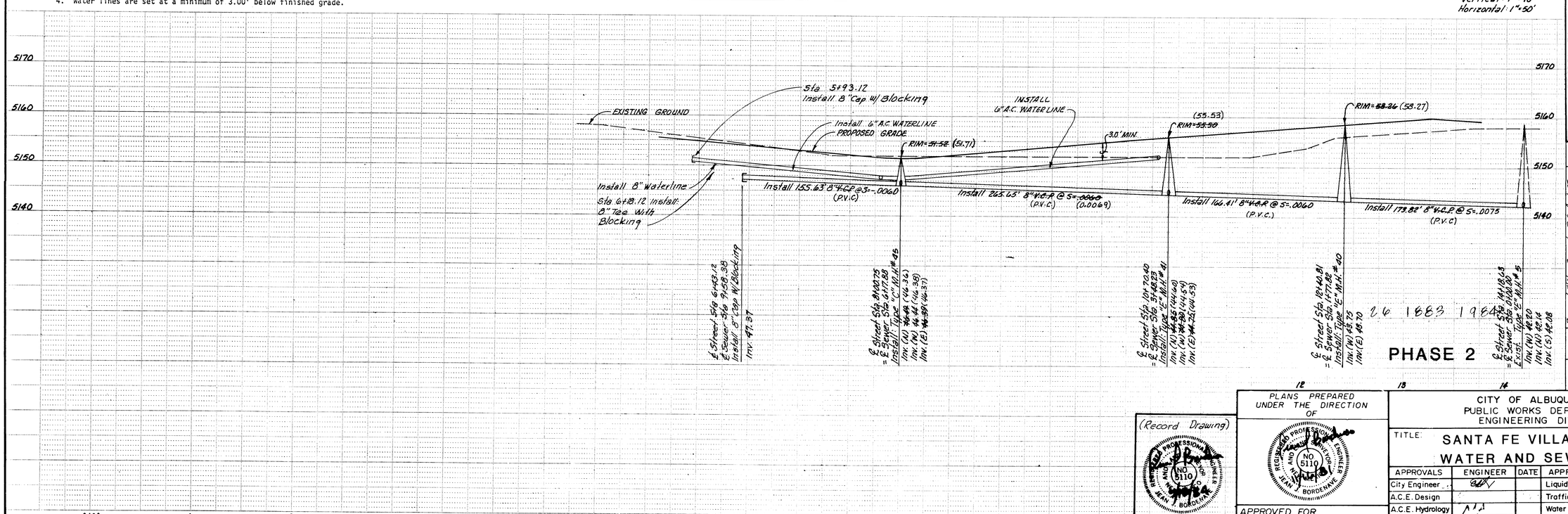


NOTES:

1. All manholes on this project are 4' in diameter.
2. Invert elevations shown are at edge of manhole.
3. Sewer pipe lenghts are from edge of manhole to edge of manhole.
4. Water lines are set at a minimum of 3.00' below finished grade.

FOXFORD AVENUE

Vertical: 1" = 10'
Horizontal: 1" = 50'



26 1883 1984

PHASE 2

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER NO. 5110 NEW MEXICO U.S.A. BORDENAVE

APPROVED FOR CONSTRUCTION

5/22/84

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
WATER AND SEWER P&P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		11-17-81
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		11-17-81

DRAWING NO. 1883

SHEET 19 OF 26

AS BUILT INFORMATION

CONTRACTOR K.J.C., Inc.

		DATE
WORK STAKED BY	DMJM/AHA	1984
INSPECTORS ACCEPTANCE BY	DMJM/AHA	6/84
FIELD INSPECTION BY	DMJM/AHA	6/84
DRAWINGS CORRECTED BY	DMJM/AHA	6/84

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

Elev. 5154.777

A.C.S. "16-E10"

A square ☐ chiseled on top of concrete curb at the East-North East curb return of Alcalde Road and Fox Dol Sol Place

N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

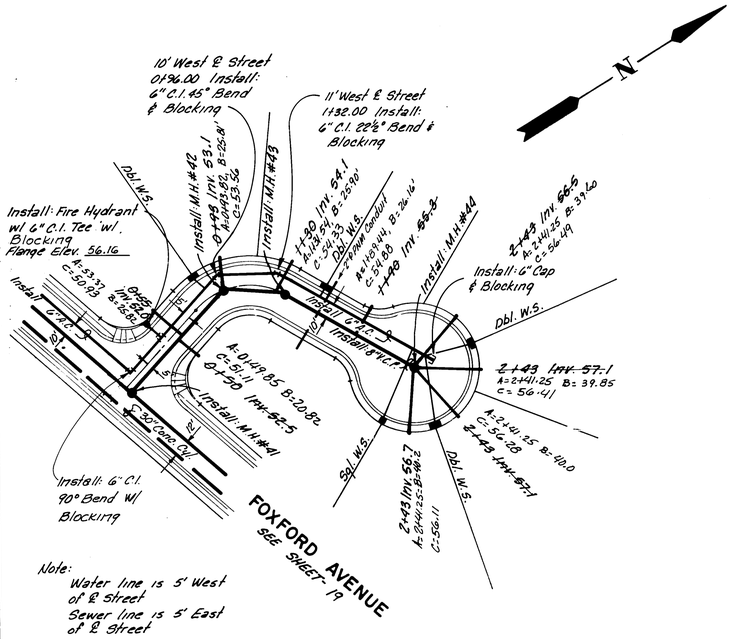
REFERENCES

MAP NO. E-10

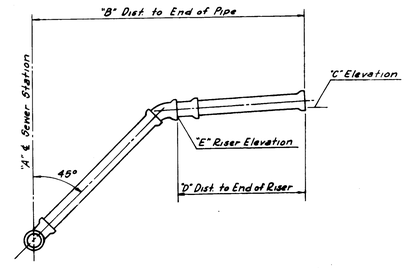
EST. NO. W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY
1	7-12-83	Revised Water Connections & Added C.I. Tee w/ 11¼° Bend	KWF

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

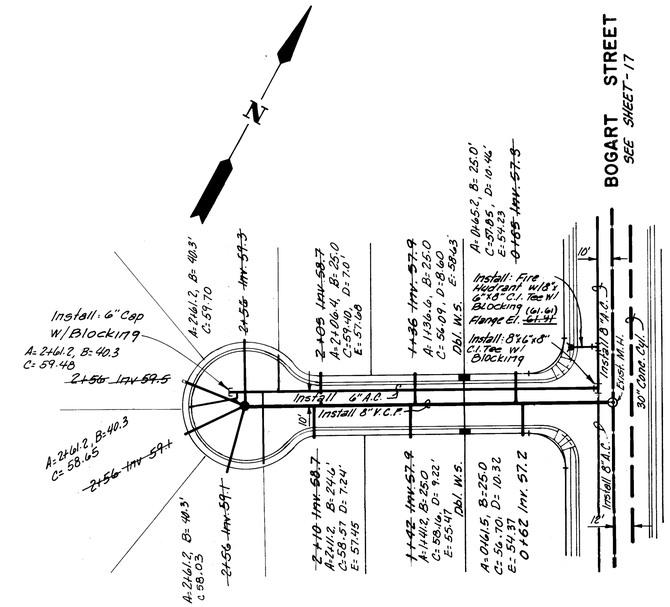


Note:
Water line is 5' West of ℄ Street
Sewer line is 5' East of ℄ Street

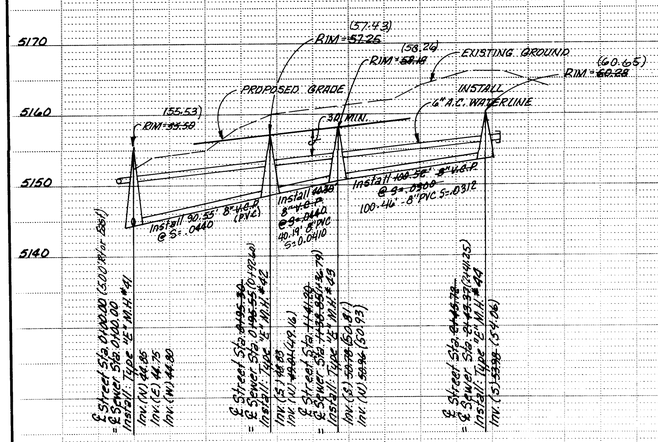


NOTES:

1. All manholes on this project are 4' in diameter.
2. Invert elevations shown are at edge of manhole.
3. Sewer pipe lengths are from edge of manhole to edge of manhole.
4. Water lines are set at a minimum of 3.00' below finished grade.

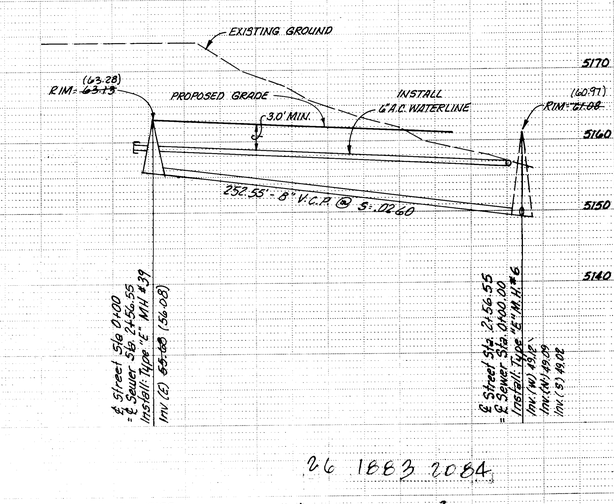


FOXFORD COURT



MINEHEAD COURT

Vertical: 1" = 10'
Horizontal: 1" = 50'



26 1883 2084

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER NO. 5110 JEAN J. BORDENAVE NEW MEXICO

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE 5/22/86

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
WATER AND SEWER P&P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		6-17-86
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		11-17-86

DRAWING NO. 1883

SHEET 20 OF 24

AS BUILT INFORMATION

		DATE
CONTRACTOR	K.U.C. Inc.	
WORK STAKED BY	DMJM/AHA	7-30-84
INSPECTORS ACCEPTANCE BY	DMJM/AHA	4/84
FIELD VERIFICATION BY	DMJM/AHA	6/84
DRAWINGS CORRECTED BY	DMJM/AHA	6/84
	MICRO-FILM INFORMATION	
RECORDED BY		DATE
NO.		

BENCH MARKS
Elev. 5134.777
A 2.5" x 2.5" square ☐ chiseled on top of concrete curb at the East North East curb return of Afrisco Road and Fox Del Sol Place
N.W.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. E-10
W.O. NO.
EST. NO.

NO.	DATE	REMARKS REVISIONS	BY
1	7-2-83	Minehead Ct. Revised layout	AHA
2	7-7-83	Fox Ford Ct. Water Connector Revised	AHA

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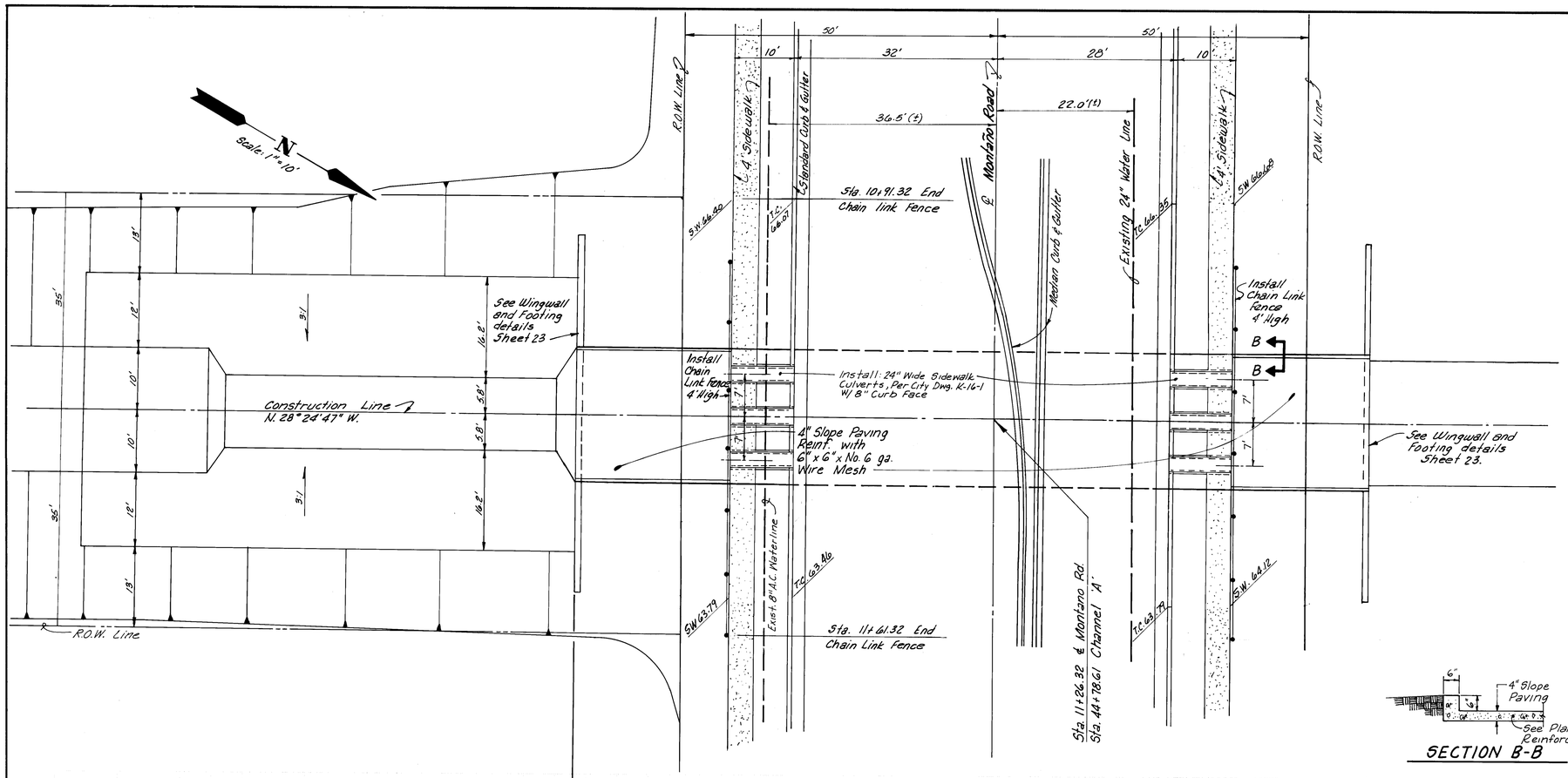
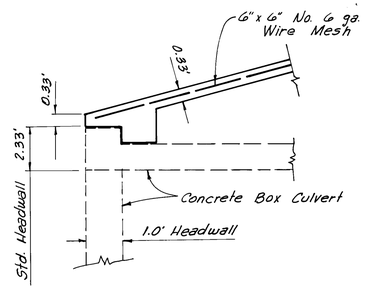
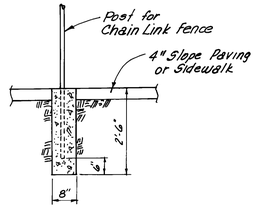
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808

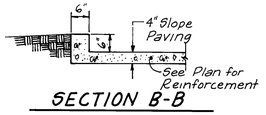




DETAIL "A"

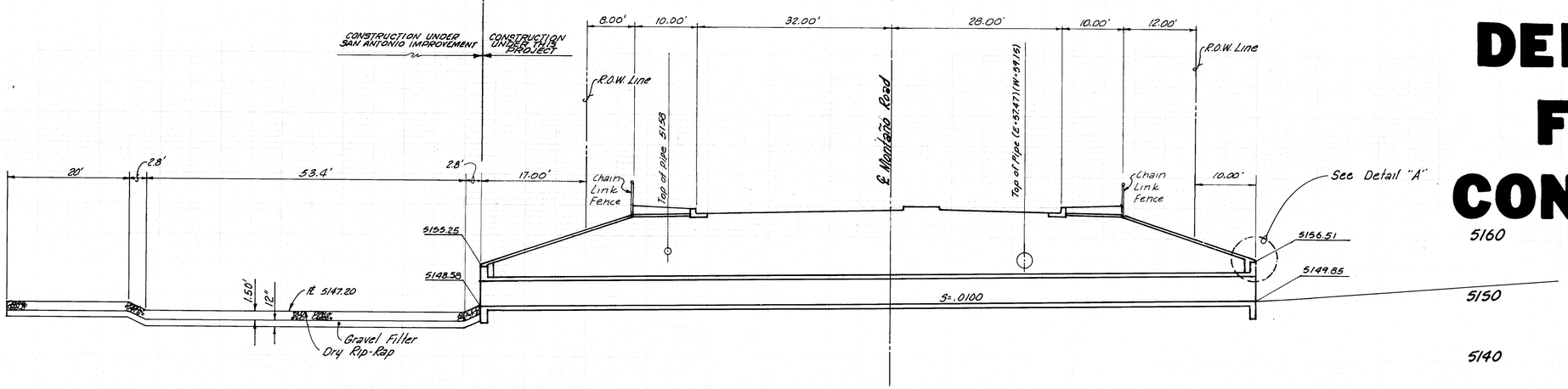


CHAIN LINK FENCE POST DETAIL



SECTION B-B

Vertical: 1" = 10'
Horizontal: 1" = 10'



Note:
Install: 2x10'x4'x127' Concrete Box Culverts, Design 2.
See New Mexico State Highway Department Standard Drawing CB-38, See Sheet 22.
For Wingwall See Sheet 23.

DELETED FROM CONTRACT

26 1883 2184 PHASE 2

(Record Drawing)

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
STRUCTURE PLACEMENT SECTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		5/2/84	Traffic		5/2/84
A.C.E. Hydrology		5/2/84	Water	—	

DRAWING NO. 1883

SHEET 21 OF 21

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS
ACCEPTANCE BY
VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
Alb. "16-E10" Elev. 5134.777
A square ☐ chiseled on top of concrete curb at the East-North East curb return of Atrisco Road and Fir Del Sol Place N.W.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. E-10
EST. NO.
W.O. NO.

REMARKS
REVISIONS
NO. DATE BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

REVISIONS

FED. ROAD DIV. NO.	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	NEW MEXICO				

CLEAR SPAN	CLEAR HEIGHT	TT	TS	TB	SO	HO	Y	Z	Per Linear Ft. Rein. Steel Lbs.	Per Linear Ft. Concrete Cu. Yds.	At One End* Rein. Steel Lbs.	At One End* Concrete Cu. Yds.
4	2	6½	6	7	9'-6"	5'-1"	—		55.0	0.492	230	1.99
	3	6½	6	8	11'-6"	4'-1"	—		61.3	0.548	236	2.05
	4	6	6	8½	9'-6"	5'-1"	—	—	64.4	0.602	241	2.10
6	2	7	6	8	13'-6"	3'-3"	2"	2"	97.9	0.756	324	2.75
	3	7	6½	8	13'-6"	4'-3"	2"	2"	104.8	0.792	331	2.84
	4	7	6½	8	13'-6"	5'-3"	2"	2"	112.7	0.847	337	2.94
	5	7	6½	8½	13'-6"	6'-3½"	2"	2"	118.9	0.974	474	3.35
	6	7	6½	8½	13'-6"	7'-3½"	2"	2"	128.4	0.979	383	3.21
8	2	9	6	10	17'-6"	5'-7"	2"	2"	157.7	1.148	525	3.68
	5	9	6½	10	17'-6"	6'-7"	2"	2"	168.0	1.304	562	4.14
	6	9	6	10	17'-6"	7'-7"	1'-4½"	1'-4½"	175.9	1.360	594	4.30
	7	9	7	10	17'-9"	8'-7"	1'-0"	1'-0"	198.2	1.495	597	3.97
	8	9	7	10½	18'-0"	9'-7"	1'-2"	1'-2"	208.9	1.648	614	4.26
10	4	10½	6	11½	21'-6"	5'-10"	2"	2"	231.1	1.682	191	4.47
	5	10½	6½	11½	21'-6"	6'-10"	2"	2"	240.0	1.738	836	4.53
	6	10½	6½	12"	21'-7"	7'-10"	2"	2"	258.5	1.863	851	4.64
	7	10½	7	12	21'-9"	8'-10"	2"	2"	267.4	1.964	865	4.76
	8	10½	7	12	22'-0"	9'-10"	2"	2"	310.0	2.120	900	4.95
	9	10½	7½	12"	22'-0"	10'-10"	2"	1'-7"	313.8	2.194	913	5.04
	10	10½	9	12"	22'-3"	11'-10"	1'-4"	1'-4"	322.0	2.375	928	5.26
	12	[illegible]	[illegible]	12	22'-3"	13'-10"	1'-6"	1'-6"	354.3	2.462	010	5.39
	12	[illegible]	[illegible]	12	22'-3"	13'-10"	2'-4½"	2'-4½"	348.9	2.545	024	5.54
12	6	12½	6½	13½	27'-7"	8'-2"	2"	2"	310.9	2.417	1167	5.43
	8	12½	8	13½	28'-0"	10'-2"	2"	2"	356.6	2.679	1219	5.74
	10	12½	9	13½	28'-3"	12'-2"	1'-6"	1'-3"	377.7	2.940	1294	6.05
	12	12½	9½	13½	28'-4½"	14'-2"	1'-6"	1'-6"	433.2	3.172	1352	6.38
14	8	14	8	15½	30'-0"	10'-5½"	1'-3"	2"	421.7	3.324	1645	6.55
	10	14	8½	15½	30'-3"	12'-5½"	1'-5"	1'-5"	470.8	3.588	1747	6.84
	12	14	9½	15½	30'-4½"	14'-5½"	1'-7"	1'-7"	537.5	3.821	1815	7.17
	14	14	10½	15½	30'-7½"	16'-5½"	1'-8"	1'-9"	598.0	4.149	1949	7.64

REINFORCING BARS

CLEAR SPAN	CLEAR HEIGHT	a1 Size	a1 Length	a1 Spacing	a2 Size	a2 Length	a2 Spacing	b1 Size	b1 Length	b1 Spacing	b2 Size	b2 Length	b2 Spacing	c1 Size	c1 Spacing	c2 Size	c2 Spacing
4	2	4	9'-3"	12"		none		4	9'-3"	12"		none		none		none	
	3	4	9'-3"	12"		none		4	9'-3"	12"		none		none		none	
	4	4	9'-3"	12"		none		4	9'-3"	12"		none		none		none	
6	2	4	13'-3"	14"	4	5'-6"	14"	4	13'-3"	14"	4	5'-6"	14"	none		none	
	3	4	13'-3"	14"	4	5'-6"	14"	4	13'-3"	14"	4	5'-6"	14"	none		none	
	4	4	13'-3"	14"	4	5'-6"	14"	4	13'-3"	14"	4	5'-6"	14"	none		none	
	5	4	13'-3"	14"	4	5'-6"	14"	4	13'-3"	14"	4	5'-6"	14"	none		none	
	6	4	13'-3"	14"	4	5'-6"	14"	4	13'-3"	14"	4	5'-6"	14"	none		none	
8	2	5	16'-6"	16"	5	6'-6"	16"	5	16'-6"	16"	5	6'-6"	16"	none		none	
	5	5	17'-3"	16"	5	6'-6"	16"	5	17'-3"	16"	5	6'-6"	16"	none		none	
	6	5	17'-3"	16"	5	6'-3"	16"	5	17'-3"	16"	5	6'-3"	16"	none		6	16"
	7	5	17'-6"	16"	5	6'-0"	16"	5	17'-6"	16"	5	6'-0"	16"	4	18"	none	
	8	5	17'-9"	16"	5	5'-9"	16"	5	17'-9"	16"	5	5'-9"	16"	4	18"	none	
10	4	6	21'-3"	16"	6	8'-3"	16"	5	21'-3"	16"	6	8'-3"	16"	none		none	
	5	6	21'-3"	16"	6	8'-3"	16"	5	21'-3"	16"	6	8'-3"	16"	none		none	
	6	6	21'-3"	16"	6	8'-6"	16"	5	21'-3"	16"	6	8'-6"	16"	none		none	
	7	6	21'-6"	16"	6	8'-9"	16"	5	21'-6"	16"	6	9'-0"	16"	none		none	
	8	6	21'-9"	16"	6	9'-0"	16"	5	21'-9"	16"	6	9'-0"	16"	4	18"	none	
	9	6	21'-9"	16"	6	9'-0"	16"	5	21'-9"	16"	6	9'-0"	16"	4	18"	5	10"
	10	6	22'-0"	16"	6	9'-0"	16"	5	22'-0"	16"	7	9'-9"	22"	4	15"	none	
	12	6	22'-0"	16"	6	9'-9"	18"	5	22'-0"	16"	6	9'-9"	16"	5	14"	5	12"
12	6	6	25'-3"	13"	6	9'-9"	13"	5	25'-3"	13"	6	9'-9"	13"	none		none	
	8	6	25'-9"	13"	6	9'-9"	13"	5	25'-9"	13"	6	9'-9"	13"	4	18"	none	
	10	6	26'-0"	13"	6	9'-6"	13"	5	26'-0"	13"	6	9'-9"	13"	4	18"	5	12"
	12	6	26'-0"	13"	6	8'-6"	13"	5	26'-0"	13"	6	8'-9"	13"	5	14"	5	10½"
14	8	7	29'-9"	11"	7	13'-0"	11"	5	29'-9"	11"	6	10'-9"	11"	none		none	
	10	6	30'-0"	11"	6	10'-0"	11"	5	30'-0"	11"	6	10'-0"	11"	4	13"	5	13"
	12	6	30'-0"	11"	6	10'-0"	11"	5	30'-0"	11"	6	10'-0"	11"	5	13"	5	13"
	14	6	30'-3"	12"	6	10'-0"	12"	5	30'-3"	11"	6	10'-0"	11"	6	13"	5	13"

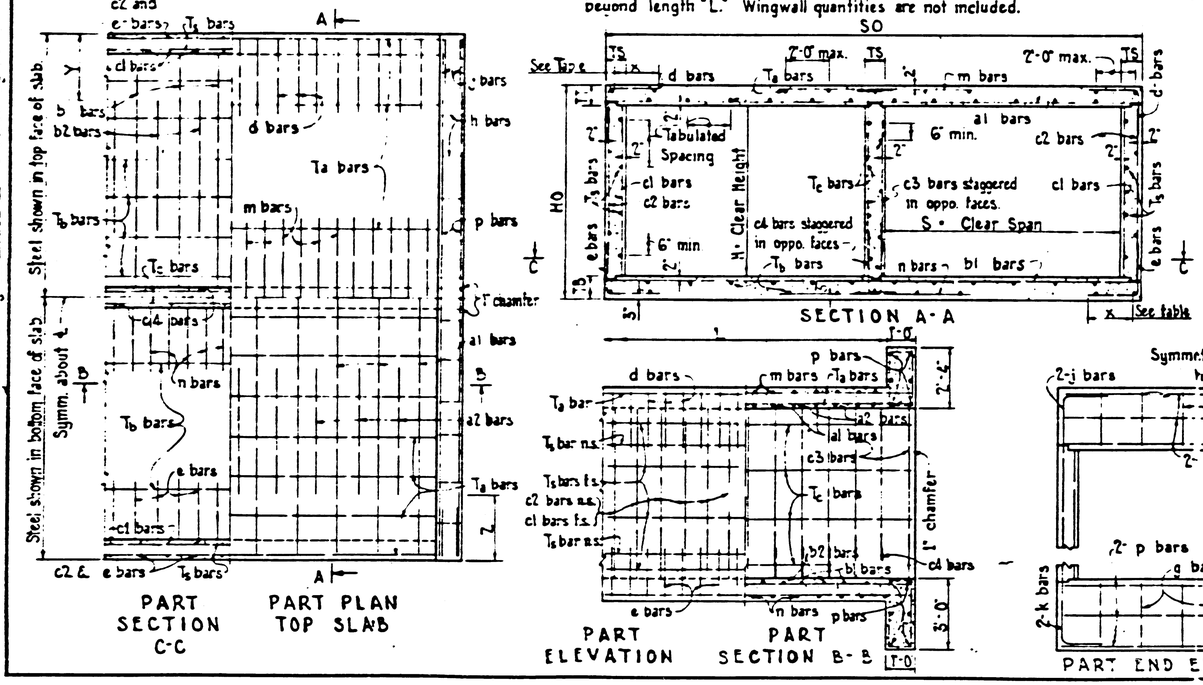
CLEAR SPAN	CLEAR HEIGHT	c3 Size	c3 Length	c3 Spacing	c4 Size	c4 Length	c4 Spacing	m Size	m Length	m Spacing	n Size	n Length	n Spacing	d Size	d Length	d X	d Spacing
4	2	4	2'-3"	15"	4	2'-3"	15"	4	3'-3"	7½"	5	3'-6"	9"	4	3'-6"	1'-6"	5
	3	4	2'-9"	15"	4	2'-9"	15"	4	3'-3"	7½"	5	3'-6"	9"	4	4'-0"	1'-6"	12"
	4	4	3'-3"	15"	4	3'-3"	15"	4	3'-3"	7½"	5	3'-6"	9"	4	4'-6"	1'-6"	12"
6	2	4	2'-3"	15"	4	2'-3"	15"	6	5'-0"	7½"	6	5'-0"	7½"	5	3'-6"	1'-6"	4"
	3	4	2'-9"	15"	4	2'-9"	15"	6	5'-0"	7½"	6	5'-0"	7½"	5	4'-3"	1'-8"	3"
	4	4	3'-3"	15"	4	3'-3"	15"	6	5'-0"	13"	6	5'-0"	13"	5	5'-0"	1'-9"	12"
	5	4	4'-3"	15"	4	3'-3"	15"	6	5'-0"	7½"	6	5'-0"	8½"	6	5'-6"	1'-10"	5"
	6	4	5'-3"	15"	4	3'-3"	15"	6	5'-0"	7½"	6	5'-0"	8"	6	6'-3"	2'-0"	4"
8	2	4	4'-0"	15"	4	3'-0"	15"	7	7'-3"	8"	7	7'-3"	8"	5	4'-9"	1'-6"	11"
	5	4	5'-0"	18"	4	3'-0"	15"	7	7'-3"	8"	7	7'-3"	8"	6	5'-6"	1'-9"	4"
	6	4	6'-0"	18"	4	3'-0"	15"	7	7'-3"	8"	7	7'-3"	8"	5	3'-9"	1'-9"	8"
	7	4	7'-0"	16"	4	3'-0"	16"	7	6'-9"	8"	7	6'-9"	8"	6	7'-0"	2'-2"	11"
	8	4	8'-0"	15"	4	3'-0"	15"	7	6'-3"	7½"	7	6'-3"	7½"	6	7'-9"	2'-5"	11"
10	4	5	4'-3"	10"	5	3'-6"	10"	9	8'-3"	10"	9	8'-3"	10"	6	5'-9"	2'-3"	13"
	5	5	5'-3"	10"	5	3'-6"	10"	9	8'-3"	10"	9	8'-3"	10"	7	6'-6"	2'-5"	4"
	6	5	6'-3"	10"	5	3'-6"	10½"	9	8'-3"	10½"	9	8'-3"	10½"	7	7'-0"	2'-5"	13"
	7	5	7'-3"	10"	5	3'-6"	10½"	9	8'-3"	10½"	9	8'-3"	10½"	7	7'-6"	2'-7"	13"
	8	5	8'-3"	10"	5	3'-6"	10½"	9	8'-3"	10½"	9	8'-3"	10½"	7	7'-6"	2'-7"	13"
	9	5	9'-3"	10"	5	3'-6"	12"	9	8'-9"	10½"	9	9'-0"	10½"	7	10'-6"	3'-4"	12"
	10	5	9'-3"	17"	5	4'-3"	17"	9	8'-9"	10½"	9	8'-3"	10½"	7	12'-3"	3'-4"	2"
	12	5	11'-3"	10½"	5	3'-6"	10½"	9	8'-3"	10½"	9	8'-3"	10½"	8	6'-9"	3'-1"	2"
12	6	5	6'-0"	17"	5	4'-0"	17"	9	9'-0"	8½"	9	9'-0"	8½"	7	6'-9"	2'-0"	5"
	8	5	8'-0"	17"	5	4'-0"	17"	9	9'-0"	8½"	9	9'-0"	8½"	7	7'-6"	2'-9"	11"
	10	5	10'-0"	17"	5	4'-0"	16"	9	9'-9"	9"	9	9'-9"	9"	7	7'-6"	2'-9"	11"
	12	5	12'-0"	10"	5	4'-0"	10"	9	8'-9"	9"	9	8'-9"	9"	8	7'-6"	3'-6"	2"
14	8	5	9'-3"	16½"	5	3'-6"	16½"	9	8'-9"	9"	9	8'-9"	9"	7	10'-6"	3'-0"	11"
	10	5	10'-0"	13"	5	4'-3"	13"	10	10'-0"	9"	10	10'-0"	9"	8	8'-0"	3'-4"	3"
	12	5	12'-0"	10"	5	4'-3"	10"	10	10'-0"	9"	10	10'-0"	9"	8	8'-3"	3'-6"	12"
	14	5	14'-0"	9"	5	4'-3"	9"	10	10'-0"	9"	10	10'-0"	9"	8	8'-6"	3'-9"	12"

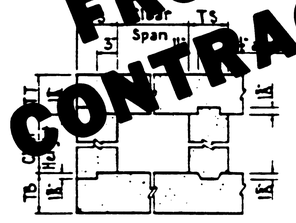
CLEAR SPAN	CLEAR HEIGHT	e Size	e Length	e X	e Spacing	Ta No.	Ta Size	Ta Spacing	Tb No.	Tb Size	Tb Spacing	Tc No.	Tc Size	Tc Spacing	Ts No.	Ts Size	Ts Spacing	g,h No. of each at Land
4	2	4	3'-6"	1'-6"	15"	13	4	18"	13	4	18"	3	4	18"	4	4	18"	6
	3	4	4'-0"	1'-6"	12"	13	4	18"	13	4	18"	4	4	18"	6	4	15"	6
	4	4	4'-6"	1'-6"	12"	13	4	18"	13	4	18"	5	4	18"	6	4	18"	6
6	2	5	3'-6"	1'-6"	14"	18	4	15"	18	4	15"	3	4	18"	4	4	18"	8
	3	5	4'-3"	1'-8"	13"	18	4	15"	18	4	15"	4	4	18"	6	4	15"	8
	4	5	5'-0"	1'-9"	12"	18	4	15"	18	4	15"	5	4	18"	6	4	18"	8
	5	6	5'-6"	1'-10"	15"	18	4	15"	18	4	15"	7	4	18"	8	4	16"	8
	6	6	6'-3"	2'-0"	14"	18	4	15"	18	4	15"	8	4	18"	10	4	15"	8
8	2	5	4'-9"	1'-6"	11"	23	4	18"	23	4	18"	5	4	18"	6	4	18"	12
	5	6	5'-6"	1'-9"	14"	23	4	18"	23	4	18"	7	4	18"	8	4	16"	12
	6	5	3'-9"	1'-9"	8"	23	4	18"	23	4	18"	9	4	18"	10	4	15"	12
	7	6	7'-0"	2'-2"	11"	23	4	18"	23	4	18"	9	4	18"	18	4	18"	12
	8	6	7'-9"	2'-5"	11"	23	4	18"	23	4	18"	11	4	18"	22	4	18"	12
10	4	6	5'-9"	2'-3"	13"	26	4	18"	26	4	18"	5	4	18"	6	4	18"	14
	5	7	6'-6"	2'-5"	14"	26	4	18"	26	4	18"	7	4	18"	8	4	16"	14
	6	7	7'-0"	2'-5"	13"	26	4	18"	26	4	18"	8	4	18"	10	4	15"	14
	7	7	7'-6"	2'-7"	13"	26	4	18"	26	4	18"	9	4	18"	10	4	15"	14
	8	7	7'-6"	3'-6"	12"	26	4	18"	26	4	18"	11	4	18"	22	4	18"	14
	9	7	6'-3"	2'-11"	12"	26	4	18"	26	4	18"	12	4	18"	24	4	18"	14
	10	7	8'-0"	3'-8"	10½"	23	4	18"	23	4	18"	13	4	18"	24	4	18"	14
	12	8	6'-9"	3'-1"	12"	26	4	18"	26	4	18"	15	4	18"	30	4	18"	14
12	6	7	6'-9"	2'-0"	5"	33	4	14"	33	4	14"	8	4	18"	10	4	15"	16
	8	7	7'-6"	2'-9"	11"	33	4	14"	33	4	14"	11	4	18"	22	4	18"	16
	10	7	8'-6"	3'-9"	12"	33	4	14"	33	4	14"	13	4	18"	26	4	18"	16
	12	8	7'-6"	3'-6"	2"	33	4	14"	33	4	14"	16	4	18"	32	4	18"	16
14	8	7	10'-6"	3'-0"	11"	45	4	12"	45	4	12"	11	4	18"	12	4	17"	20
	10	8	8'-0"	3'-4"	13"	45	4	12"	45	4	12"	13	4	18"	26	4	18"	20
	12	8	8'-9"	3'-8"	13"	45	4	12"	45	4	12"	16	4	18"	32	4	18"	20
	14	9	8'-6"	4'-0"	13"	45	4	12"	45	4	12"	19	4	18"	38	4	18"	20

* Quantities at one end include parapet, cut off and barrel beyond length "L". Wingwall quantities are not included.

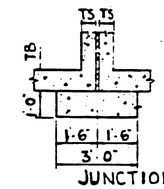
p-bars

Clear Span	4'	6'	8'	10'	12'	14'
Size	5φ	5φ	6φ	7φ	8φ	9φ





DETAIL OF CONSTRUCTION JOINTS



JUNCTION DETAIL FOR MULTIPLE UNIT BOXES

1" Preformed bit. joint filler between adjacent units and extending between barrels, parapets and cutoffs. Foundation block to be placed in next excavation, extend for entire length of barrel under joint between units. Place one layer of tar paper over entire top surface of foundation block. Conc quant = 0.111 cu yds. per lin ft of block.

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BAR DETAILS

j-bars same size as d bars.
k-bars - - - e bars.
R Place this end in sidewall.

j	H + 1'-9" — H+4'-0" Long
k	4'-6" — 6'-9" Long

Place this end in sidewall. d & e bars — X

R = 3½ bar dia for 3φ to 7φ
R = 4½ bar dia for 8φ to 11φ

cl, c2	H minus 3"
a, b, m & n	Tabulated length
T- bars	L+(10½" at each end)
p bars	SO minus 3"

12" Rad.

4φ h	7'-1½"	6'-3" Long
4φ g	7'-8½"	7'-6" -

c3 & c4 bars — Place this end in centerwall. R = 3 bar dia. — 12 bar dia

NUMBER OF BARS REQUIRED

a2, b, c2, d & e bars: 24L ÷ Spacing.
a1, b1, m & n bars: 12L ÷ Spacing
p bars: 12 for cutoff & parapet at each end.
c1, c3 & C4 bars: (24L ÷ Spa) plus 2 at each end.
j & k bars: 4 of each for cutoff and parapet at each end.
Other bars: see table.
L = Length of Barrel in feet.

GENERAL NOTES

1. Workmanship and materials shall conform to New Mexico State Highway Commission Specifications.
2. All concrete to be Class "A". Chamfer all exposed edges ¾ inch except as noted.
3. All reinforcing steel to be deformed bars, intermediate grade, conforming to A.S.T.M. Specifications A-15 and A-305. All dimensions refer to ℄ of bar
4. T- bars may be spliced, when necessary, by lapping at least 20 bar diameters. Pay weight for reinforcing steel does not include splices. Cost of splice material to be included in unit price bid for reinforcing steel.
5. Volume of concrete = (L) x (concrete quantity per lin. ft.) plus concrete at ends.
6. Weight of reinforcing steel = (L) x (wt. of reinf. steel/lin. ft.) plus weight at ends.
7. Place T_a-bars on a-bars and T_b-bars under b-bars, spaced as shown in the table. The remaining T_a- and T_b-bars are to be placed adjacent to d-, e-, m- and n-bars, as indicated in Section A-A.
8. Place T_s-bars next to cl bars, spaced as shown in the table. The remaining T_s-bars to be placed in sidewall next to c2, d- & e-bars. When cl bars are not required place all T_s bars next to c2, d- and e- bars.
9. "Cover" is height of fill from top of box to finished grade.

DESIGN DATA

Design according to A.A.S.H.O. Specifications, 1957.
Live Load: H20-S16-44 & Interstate Alternate Loading.
Weight of fill on top of box: 84#/cu. ft.
Horizontal Earth Pressure = 30#/cu. ft., 2' surcharge.
Design Stresses: fb = 3000 p.s.i., fc = 1200 psi.
fs = 20000 p.s.i., n = 10.

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NEW MEXICO
STATE HIGHWAY DEPARTMENT

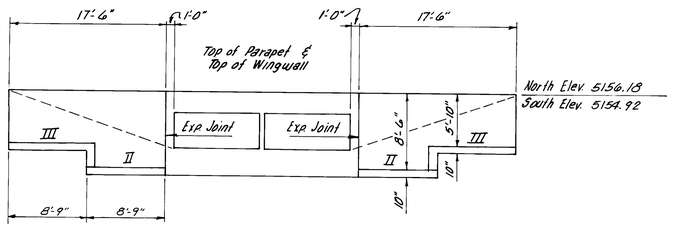
CONCRETE BOX CULVERT BARRELS
DOUBLE OPENING ~ NORMAL
DESIGN No. 2
5' TO 10' COVER

Sheet 2 of 4
SERIAL CB-32

APPROVED: Charles H. Lee
BRIDGE ENGINEER

Designed by H.T. 10-60 Checked by W.J.C. 10-60
Detailed by SEE & R.N. 10-60 Checked by H.T. 10-60

1883

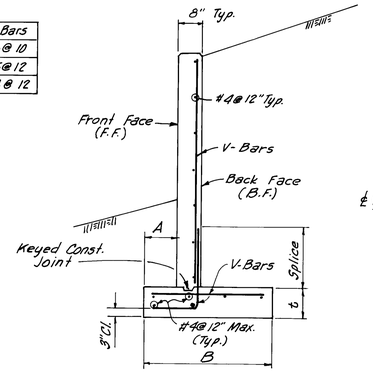


ELEVATION

Scale: 1/8" = 1'-0"

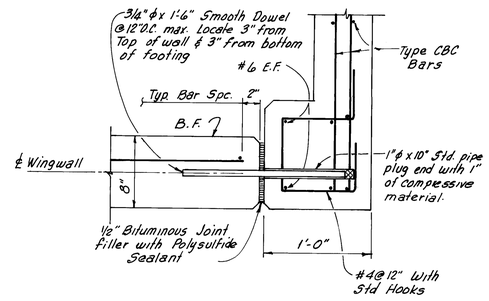
Type	t	A	B	V-Bars
I	12"	2'-0"	6'-8"	#6 @ 10
II	10"	1'-0"	4'-8"	#5 @ 12
III	10"	6"	2'-8"	#4 @ 12

Splices
#4 - 20"
#5 - 26"
#6 - 33"



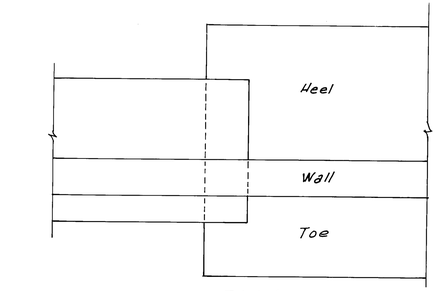
1 TYPICAL WINGWALL

Scale: 1/2" = 1'-0"

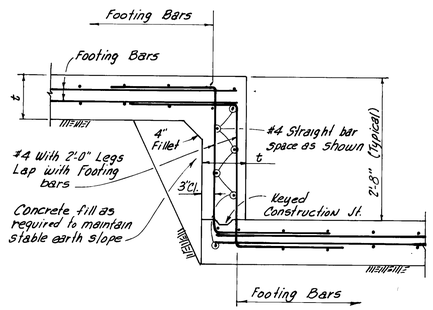


2 EXPANSION JOINT

Scale: 1 1/2" = 1'-0"



PLAN



SECTION

3 TYPICAL STEP FOOTING

Scale: 3/4" = 1'-0"

GENERAL NOTES

1- All bars 2" clear concrete cover (Unless Otherwise Noted)
2- f'c = 3000 p.s.i. @ 28 days.
3- f'y = 60,000 p.s.i., Gr 60
4- All Concrete shall be compacted by Vibrator.
5- E.F. Denotes each face.
6- All exposed edges shall be chamfered 3/4".
7- Bars in the cutoff and parapet walls of the C.B.C. will have to be lengthened (over length shown on standard drawing.) to account for 1'-0" ears - see detail 2.
8- Backfill material behind all walls shall consist of granular material with no more than 8% by weight passing the No. 200 sieve with fines being non-plastic. Backfill shall be compacted to at least 95% of maximum dry density as determined by A.S.T.M. D-1557. Soil shall be placed in 8" maximum lifts.

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PHASE 2

PLANS PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER JEAN T. BORDENAVE NO. 6110 STATE OF NEW MEXICO

(Record Drawing)

REGISTERED PROFESSIONAL ENGINEER NO. 6110 STATE OF NEW MEXICO

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT 2
WINGWALL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	—	
A.C.E. Design		7/9/84	Traffic		
A.C.E. Hydrology		7/12/84	Water	—	

DRAWING NO. 1883

SHEET 23 OF 24

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

REFERENCES
MAP NO. | EST. NO. | W.O. NO.

NO.	DATE	REMARKS REVISIONS	BY

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

SANTA FE VILLAGE UNIT - I

Construction Drawing No. 1378

P.I. Sta. 2+95.50
Δ = 23° 30' 00" Rt

N

CONSTRUCTION

FUTURE

Construction Line

ROW

Sta 5100.00 End 18" RCP
Grade to drain

N 79° 21' 09" W

Future 18" RCP

Proposed 18" RCP

BOGART STREET

FOXFORD AVENUE

ATRISCO ROAD

Cap w/ 4" dia Orifice

Detention Basin 48.50

NOTE: For Gabion Structure See Sheet 9

PLAN

Scale 1" = 10'

Dry Rip Rap

Elev. 5150.80

Elev. 5153.00

SECTION II - II

Dry Rip Rap

SECTION III - III

Conc Channel Lining
Reinf w/ 6" x 6" No 6 Ga Wire Mesh

SECTION IV - IV

Conc Channel Lining
Reinf w/ 6" x 6" No 6 Ga Wire Mesh

Vertical 1" = 5
Horizontal 1" = 50

Future Construction

Begin 18" RCP
Inv. 5133.20

End 8" RCP

Cap w/ 4" dia Orifice

Grade Channel to drain

Grade to match existing natural channel

Channel Flow Line

Proposed Top of Left Bank

Gabion Stilling Basin

0.0453

PHASE 2

(Record Drawing)

SANTA FE VILLAGE UNIT 2
DETENTION BASIN OVERFLOW

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808

DRAWING NO 1883

24 24