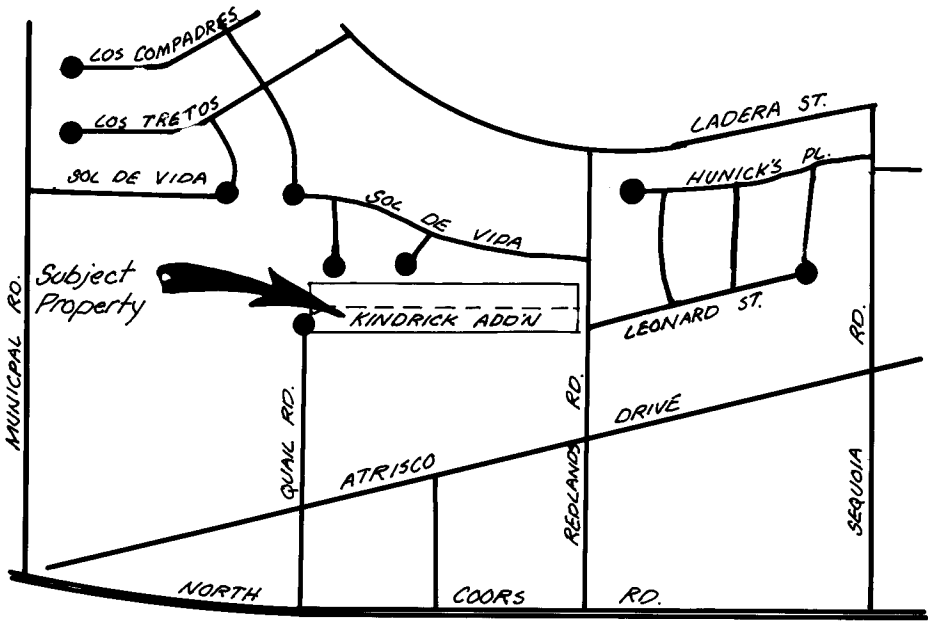


ESTRELLA BRILLANTE SUBDIVISION

INDEX

SHEET 1	TITLE SHEET
SHEET 2 THRU 4	SUBDIVISION PLAT
SHEET 5	GRADING AND DRAINAGE PLAN
SHEET 6	CURB AND GUTTER PLAN
SHEET 7	WATER AND SANITARY SEWER PLAN



VICINITY MAP

NOTICE TO CONTRACTORS

- 1) New Mexico Standard Specifications for Public Works Construction 1979 Edition will be referred to hereon as the "Standard Specifications."
- 2) All work detailed on these 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) Two working days prior to any excavation, contractor must contact Line Location Service, 765-1234, for location of existing utilities.
- 4) 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 minimum delay.

THE FOLLOWING NOTES APPLY WHEN CHECKED.

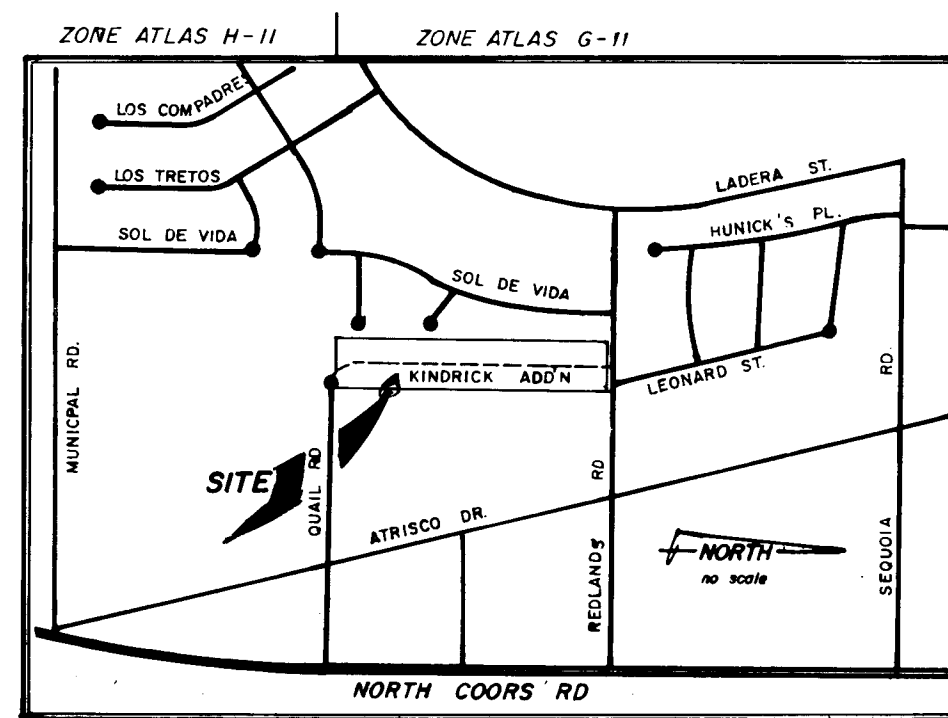
- ☒ All utilities and utility service lines shall be installed prior to paving.
- ☒ Backfill compaction shall be according to residential street use. (Residential)
- ☒ Tack coat requirements shall be determined by the City Engineer.
- ☒ Sidewalks and Wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- ☒ If curb is depressed for a drivepad, the drivepad shall be constructed prior to acceptance of the curb and gutter.
- ☒ All Storm drain facilities shall be completed prior to final acceptance.
- ☒ House numbers are shown on sheet 7.

W.F. McManis
3-24-86

26 18920186

REVIS	SHEETS	CITY ENGR.	DATE	USER	DEPT.	DATE
Δ	53697	G. D. Heller, Jr.	12/30/83	T. R. R. R. R. R.	12/31/83	
APPROVAL OF REVISIONS						

	CITY OF ALBUQUERQUE	APPROVED FOR CONSTRUCTION <i>C. A. Chapman</i> M.H. & C.O. # 1-85
	PROJECT NO. 1892	SHEET 1 OF 7



VICINITY MAP

SUBDIVISION DATA

1. Case No. DRB 83-133
2. Zone atlas No. G-11 and H-11
3. Gross Subdivision acreage: 4.9773 acres
4. Total Number of lots created: 72 lots
5. Total mileage of full width streets created 0.196 miles
6. Date of Survey JUNE, 1983.

NOTES

Bearings are New Mexico State Plane Grid bearings (Central Zone)
Distances are ground distances.

EASEMENTS

7' utility easements along the street side of all lots, and as shown hereon

10' Drainage easements along the rear of all lots and as shown hereon

Lot 72 is dedicated as water, sewer, drainage, access, and utility easement.
Lots 66-71 are dedicated as a temporary drainage easement until such time as released by the city Engineer.
The owners of lots 66-71 and/or the homeowners association of Estrella Brillante subdivision are the parties responsible for the maintenance of the pond located on lots 66-71.
The City of Albuquerque is not responsible for maintenance of the pond on lots 66-71 of this plat.

HOLDER OF AN EQUITABLE INTEREST

The undersigned holder of an equitable interest (either by reason of a mortgage, deed of trust, purchase contract, or option contract) in some or all of the real property included in the (plat or subdivision) herein described, hereby ratifies that (plat or subdivision) and subordinates interest in the property to the (plat or subdivision).

DALE L. BYARD DATE EVELYN A. L. BYARD DATE
JOHN H. KINDRICK DATE JEAN C. KINDRICK DATE

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

ON this 5 day of July, 1983, the foregoing instrument was acknowledged

before me by Dale L. Byard, Evelyn A. L. Byard, John H. Kindrick,

Joan C. Kindrick, Dagoberto Ruiz, Miriam E. Ruiz, Virgilio Gil

My commission expires 3/17/85

NOTARY PUBLIC

85 55550

SUBDIVISION PLAT MAP FOR

ESTRELLA BRILLANTE

OF THE
KINDRICK ADDITION
Sec. 2 & Sec. II, TION, R 2 E.
TO THE CITY OF
ALBUQUERQUE, NEW MEXICO

JUNE, 1983

SP 83-220

APPROVED AND ACCEPTED BY:

Subdivision no. - City Zone Atlas G-11

Eugene March 8-12-83
PLANNING DIRECTOR DATE

Alfred Urban 7/7/83
CHIEF CITY SURVEYOR DATE

PROPERTY MANAGEMENT DATE

TRAFFIC ENGINEER DATE

CITY ENGINEER DATE

WATER RESOURCES DEPT. DATE

A.M.A.F.C.A. DATE

PARKS & RECREATION DATE

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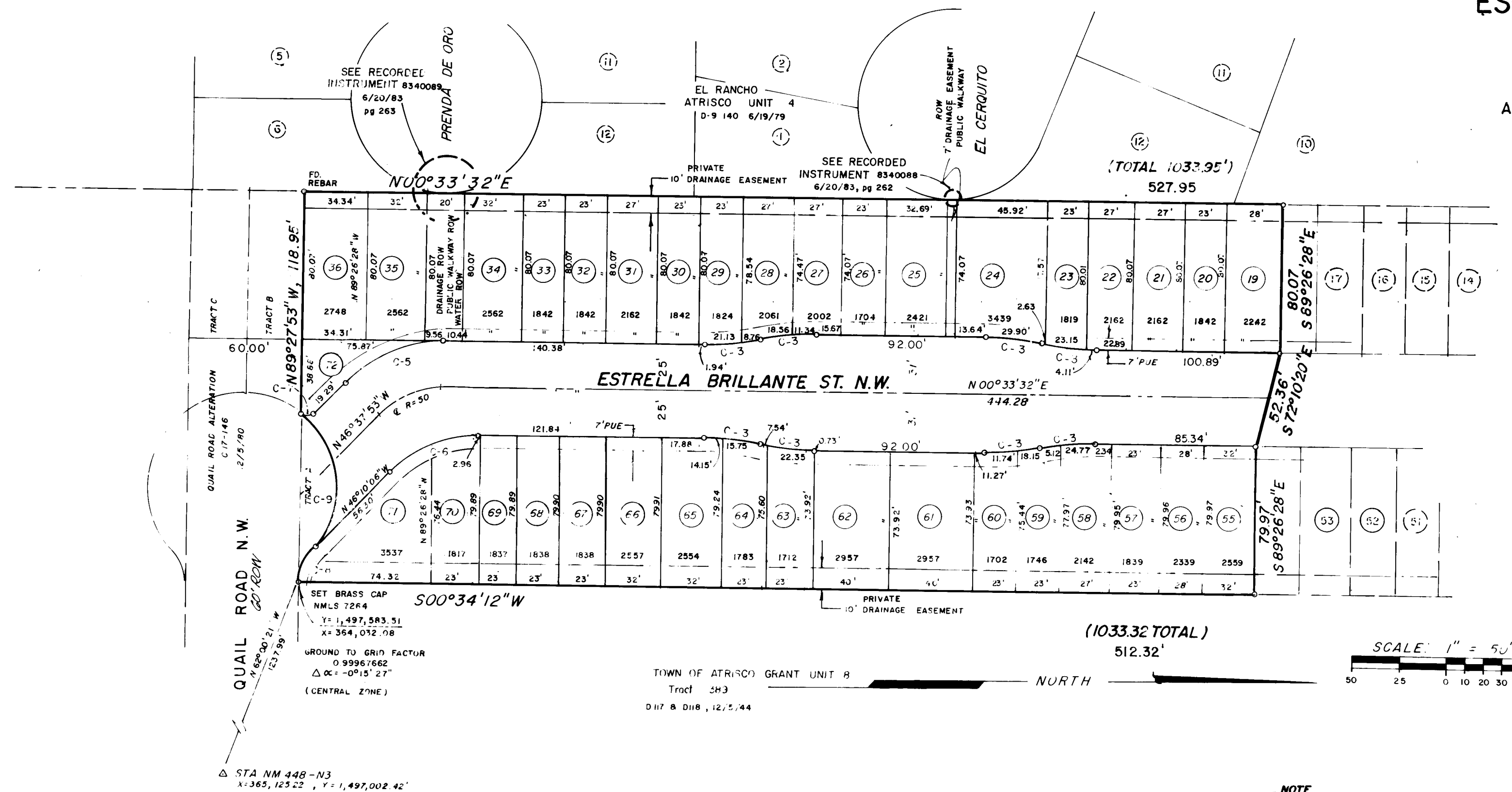
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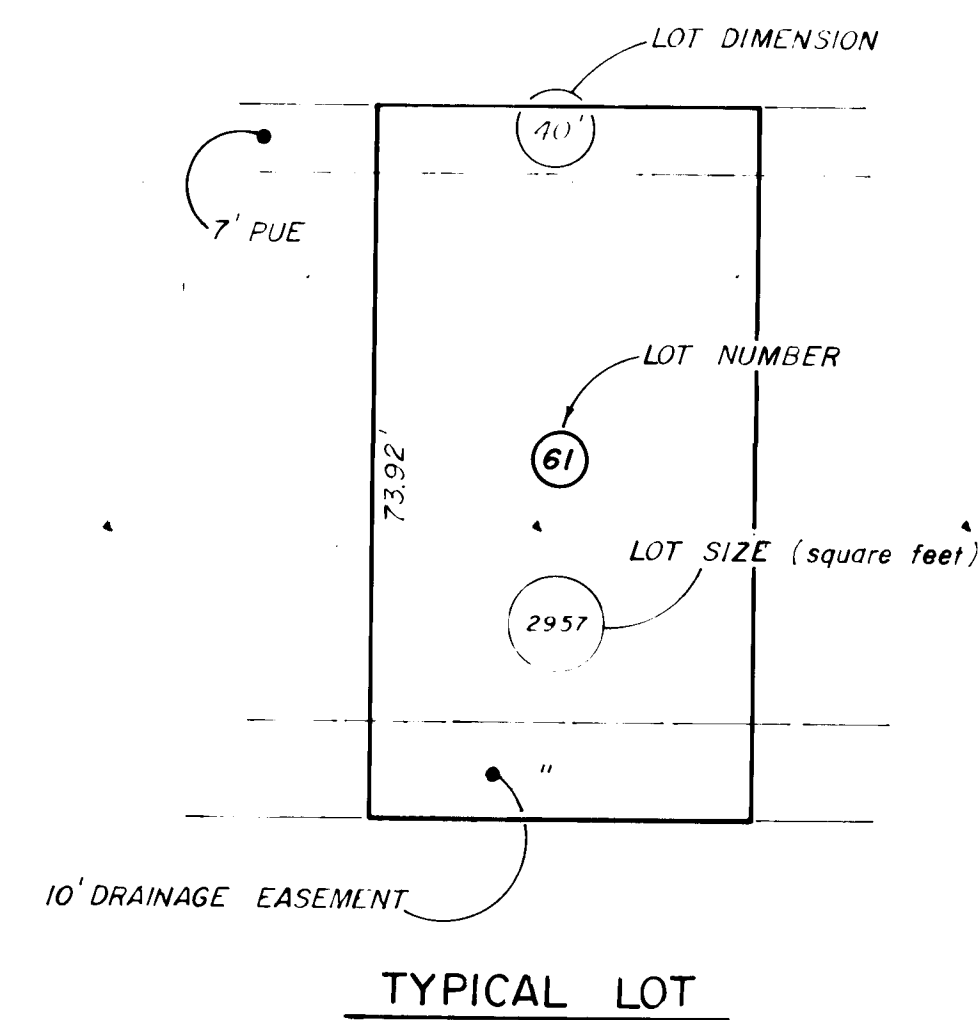
DATE

DATE

83 55550
ESTRELLA BRILLANTE
 OF THE
 KINPRICK ADDITION
 TO THE CITY OF
 ALBUQUERQUE, NEW MEXICO
 JUNE, 1983



NOTE
 LOT 61 IS DEDICATED FOR WATER, SEWER, DRAINAGE, ACCESS, AND EASEMENT.
 LOTS 61-71 ARE DEDICATED AS A TEMPORARY DRAINAGE EASEMENT UNTIL SUCH TIME AS RELATED BY THE CITY Engineer.



HALL ENGINEERING & SURVEYING, INC.
 2625 Pennsylvania Ave. N.E., Suite 300
 Albuquerque, New Mexico 87110
 Phone: 505, 884-6500 & 801-0444

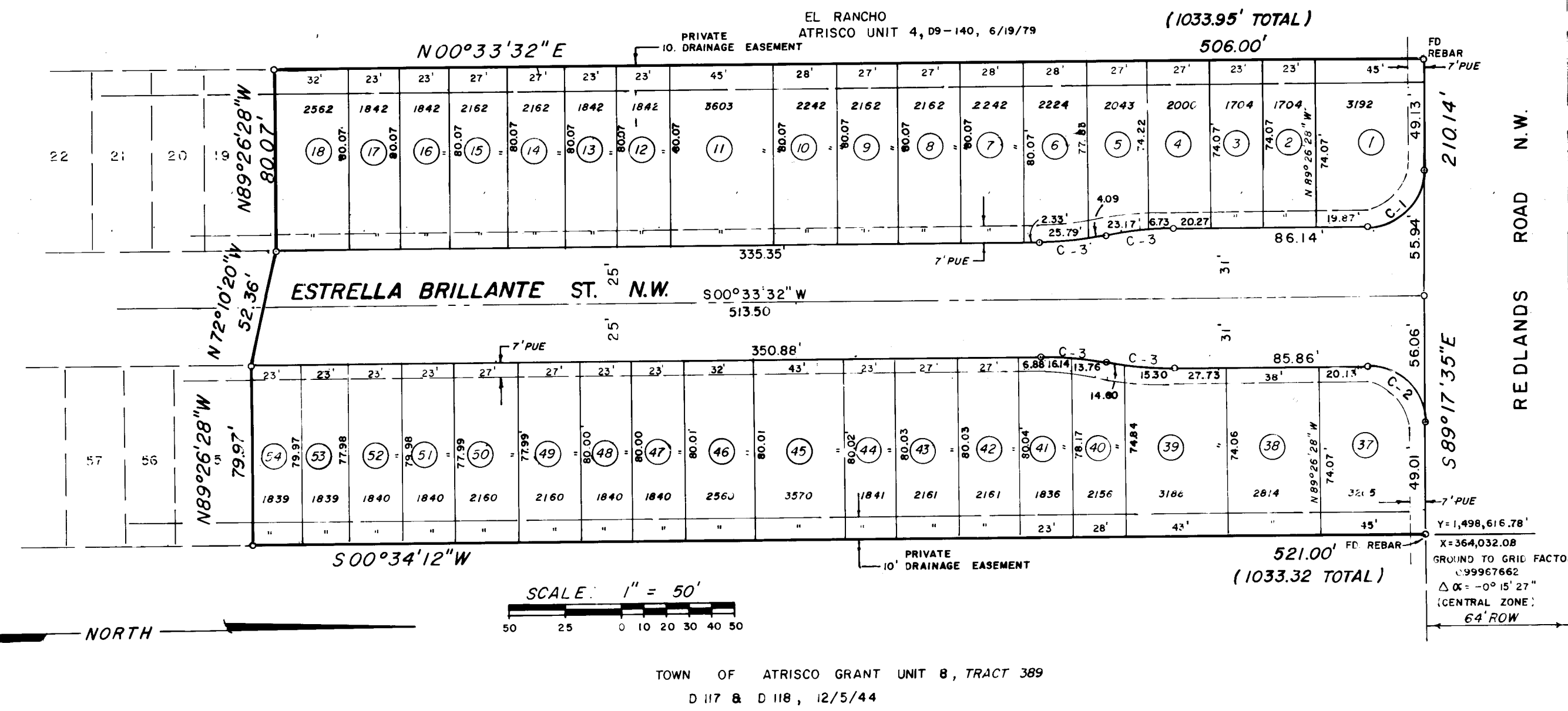
Sheet 2 of 3

SHEET 3 OF 7

1	2	3	4	5	6	7	8	9	10	11	12
26	1	8	9	2	0	3	8	6			

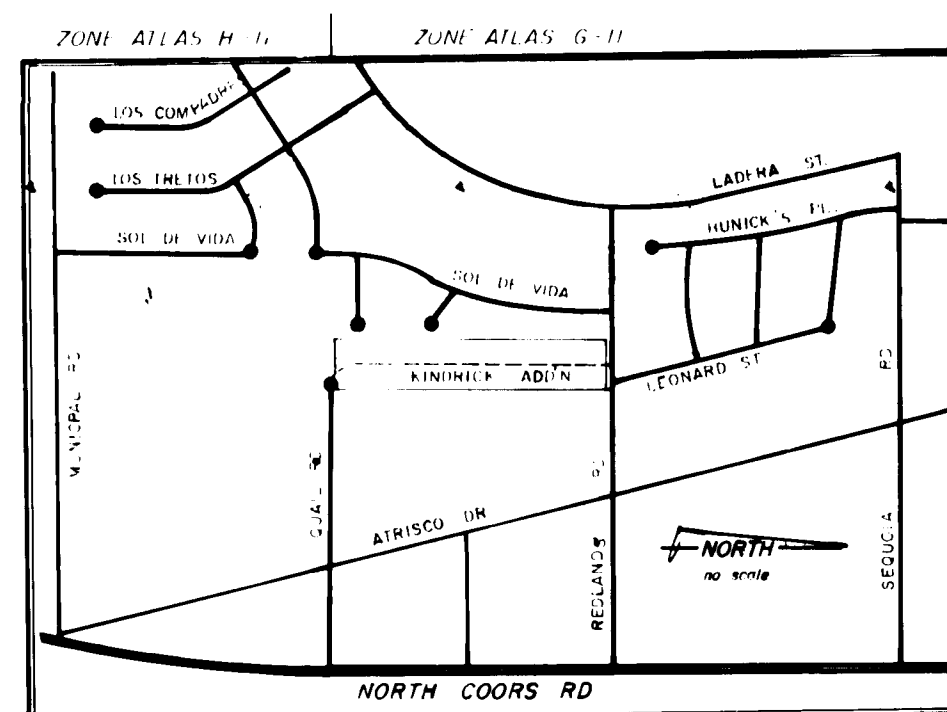
PROJECT NO. 1892

ESTRELLA BRILLANTE OF THE KINDRICK ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO



CURVE NO.	RADIUS	LENGTH	DELTA	TAN.
C - 1	25.00'	39.21'	89°51'07"	24.94'
C - 2	25.00'	39.33'	90°08'53"	25.06'
C - 3	148.48'	29.90'	11°32'13"	15.00'
C - 4	25.00'	39.28'	90°01'25"	25.01'
C - 5	75.00'	61.77'	47°11'25"	32.76'
C - 6	66.00'	54.36'	46°43'38"	28.83'
C - 7	5.76'	8.45'	84°04'17"	5.19'
C - 8	25.00'	18.69'	42°50'04"	9.81'
C - 9	50.00'	83.74'	95°57'48"	55.50'

NOTE
DISTANCE GIVEN ALONG THE CURVE = ARCH LENGTH



VICINITY MAP

HALL ENGINEERING & SURVEYING, CO.
2625 Pennsylvania Ave. NE, Suite 350
Albuquerque, New Mexico 87110
Phones: (505) 884-6200 & 884-6444

3 of 3

SHEET 4 OF 7

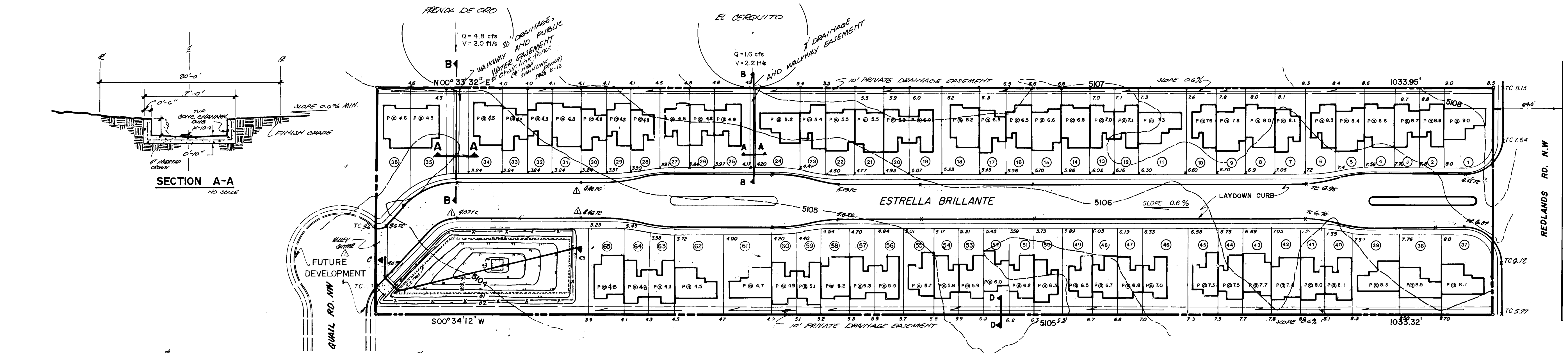
26 18920486



HALL ENGINEERING CO.
2625 PENNSYLVANIA AVE. NE., SUITE 350
ALBUQUERQUE, NEW MEXICO 87110

GRADING AND DRAINAGE PLAN

ESTRELLA BRILLANTE
SUBDIVISION
KINDRICK ADDITION
ALBUQUERQUE, NEW MEXICO



SECTION A-A
NO SCALE

SECTION B-B
NO SCALE

TYPICAL CROSS SECTION
NO SCALE

SECTION C-C
NO SCALE

HYDROLOGY DATA SHEET

(Chapter 2 - Engineering Field Manual for Conservation Practices)

DRAINAGE AREA: $A = 4.97$ acres
LENGTH: (longest waterway to the ridge) $L = 1000'$ ft.
ELEVATION DIFFERENCE: (to farthest ridge) $H = 6'$ ft.
SOIL TYPE MWA "B"
RUNOFF CURVE NUMBER: (Table 2-1) Plate 22.2 C2 CN 85
TIME OF CONCENTRATION: (Fig. 2-2) $T_c = 0.5$ hr.
RAINFALL, 24 hr. (Plate 22.2 D-1) freq. 100 yr. $RV-6 = 2.2$ in.
RAINFALL INTENSITIES (Plate 22.2 D-2) $I = 1.25$
DIRECT RUNOFF: (Use 2.2) $Q = 2.2$ in.
DISTRIBUTION CURVE NO. (Exhibit 2-3) $DC = 75$ c.f.s.
C.F.S. PER ACRE PER INCH OF RUNOFF $cfs/ac/in = 1.5$ c.f.s.

PEAK DISCHARGE: $q = A \times Q \times cfs/ac/in$
 $4.97 \times 2.2 \times 1.5 = 14.9$ c.f.s.

VOLUME OF RUNOFF: $Q \times A / 12$
 0.91 ac. ft.
 $39,690$ cu. ft.

DRAINAGE CALCULATIONS

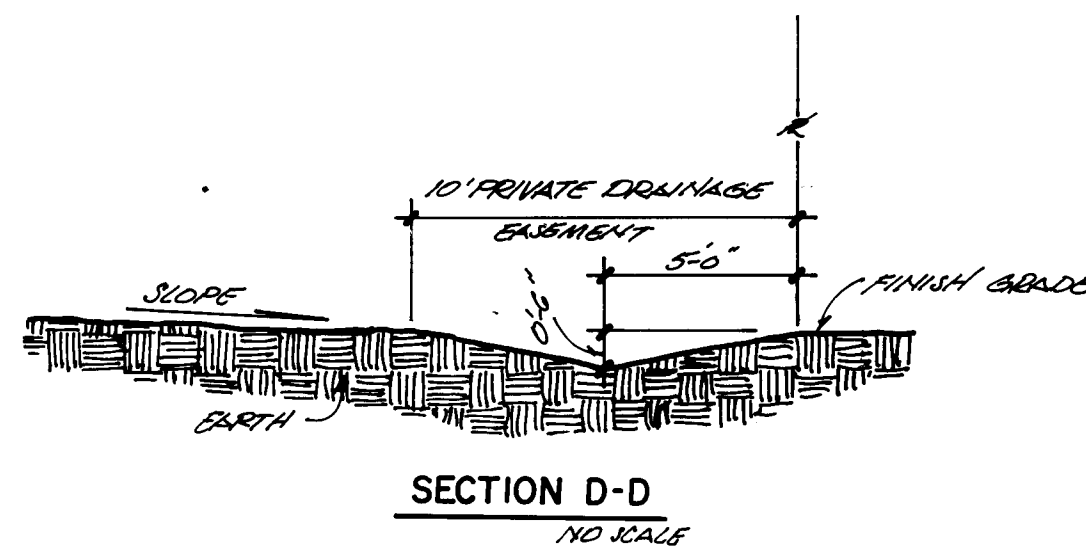
RATIONAL METHOD
TOTAL AREA $216,930$ sq. ft.
IMPERVIOUS AREA
ROOF $58,240$ sq. ft.
PAVING $37,815$ sq. ft.
DRIVEWAYS $32,250$ sq. ft.
SIDEWALKS $10,020$ sq. ft.
TOTAL IMPERVIOUS AREA $138,325$ sq. ft.
LENGTH: (longest) $1015'$ ft.
SLOPE: 0.006 ft./ft.
OVERLAND VELOCITY (ground) 0.5 ft./sec. PLATE 22.2 B-1
OVERLAND VELOCITY (street) 1.0 ft./sec. PLATE 22.2 B-1
TIME OF CONCENTRATION $T_c = 760/0.5 = 1520$ sec. 25.3 min.
 $T_c = 245/1.0 = 245$ sec. 4.0 min.
TOTAL $T_c = 29.3$ min.
RUNOFF CURVE NO. 85 PLATE 22.2 C-2
RUNOFF COEFFICIENT 0.65 PLATE 22.2 C-1
INTENSITY 100 yr. 5.4 PLATE 22.2 D-2
VOLUME $2.2/12 \times 4.97 \times 43,560 = 39,690$ cu. ft.
PEAK DISCHARGE: $0.65 \times 5.4 \times 4.97 = 17.4$ c.f.s.

RATIONAL METHOD 17.4 c.f.s. S.C.S. METHOD 14.9 c.f.s.

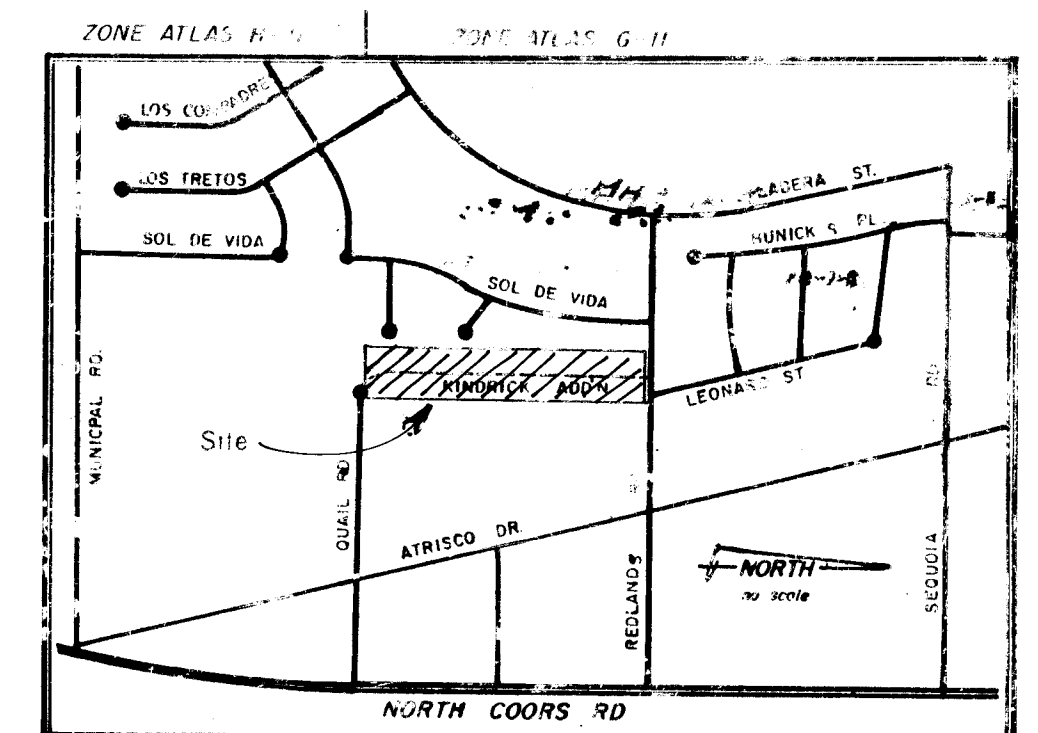
SCALE $1"=50'$

LEGEND

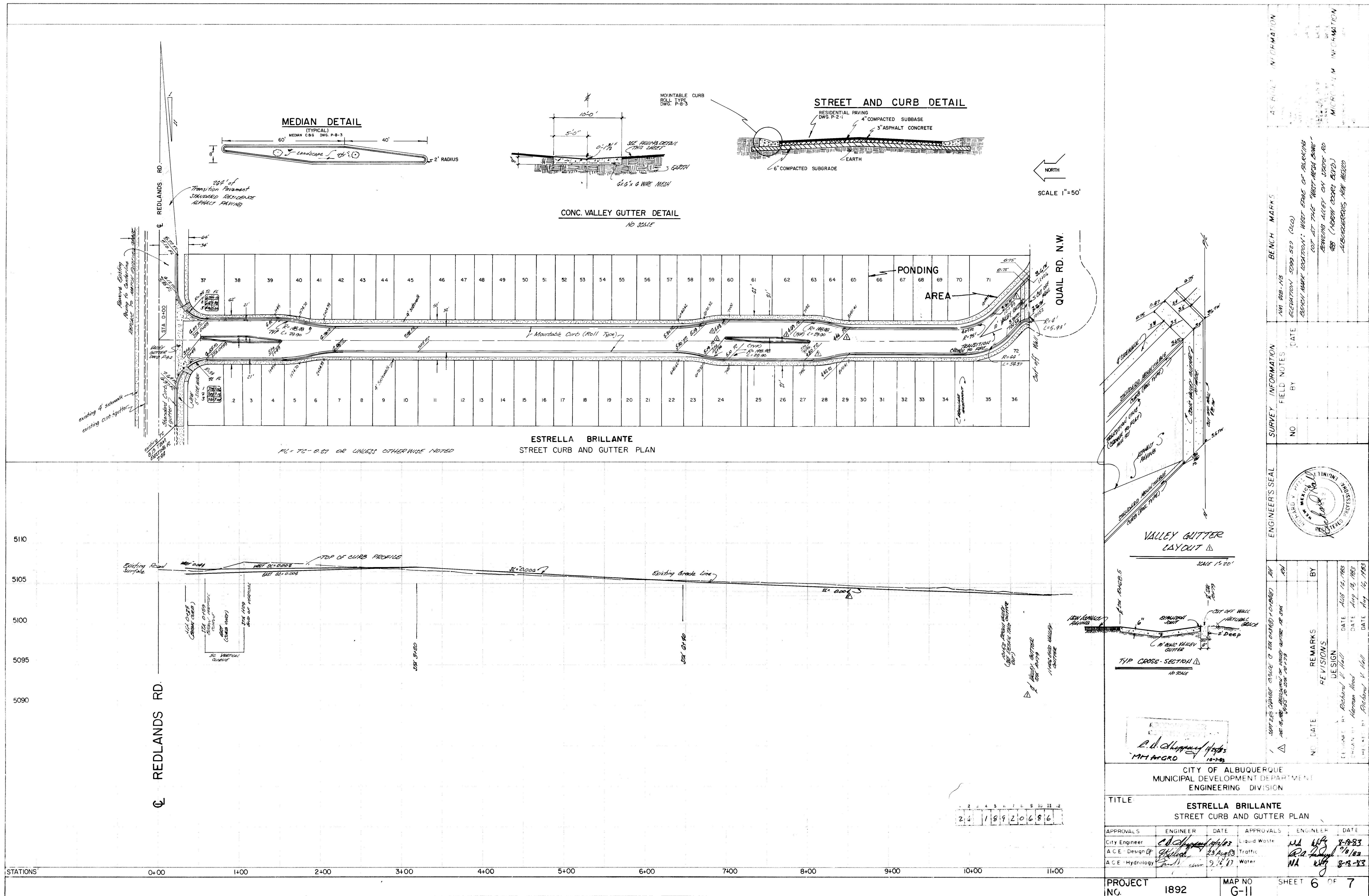
EXISTING CONTOUR 5106
DESIGNED CONTOUR 02
PROPERTY LINE
SPOT ELEVATION $\times$ TC 713
LOT NUMBER 37
P = PAD
TC = TOP OF CURB
FENCE LINE
FLOW LINE

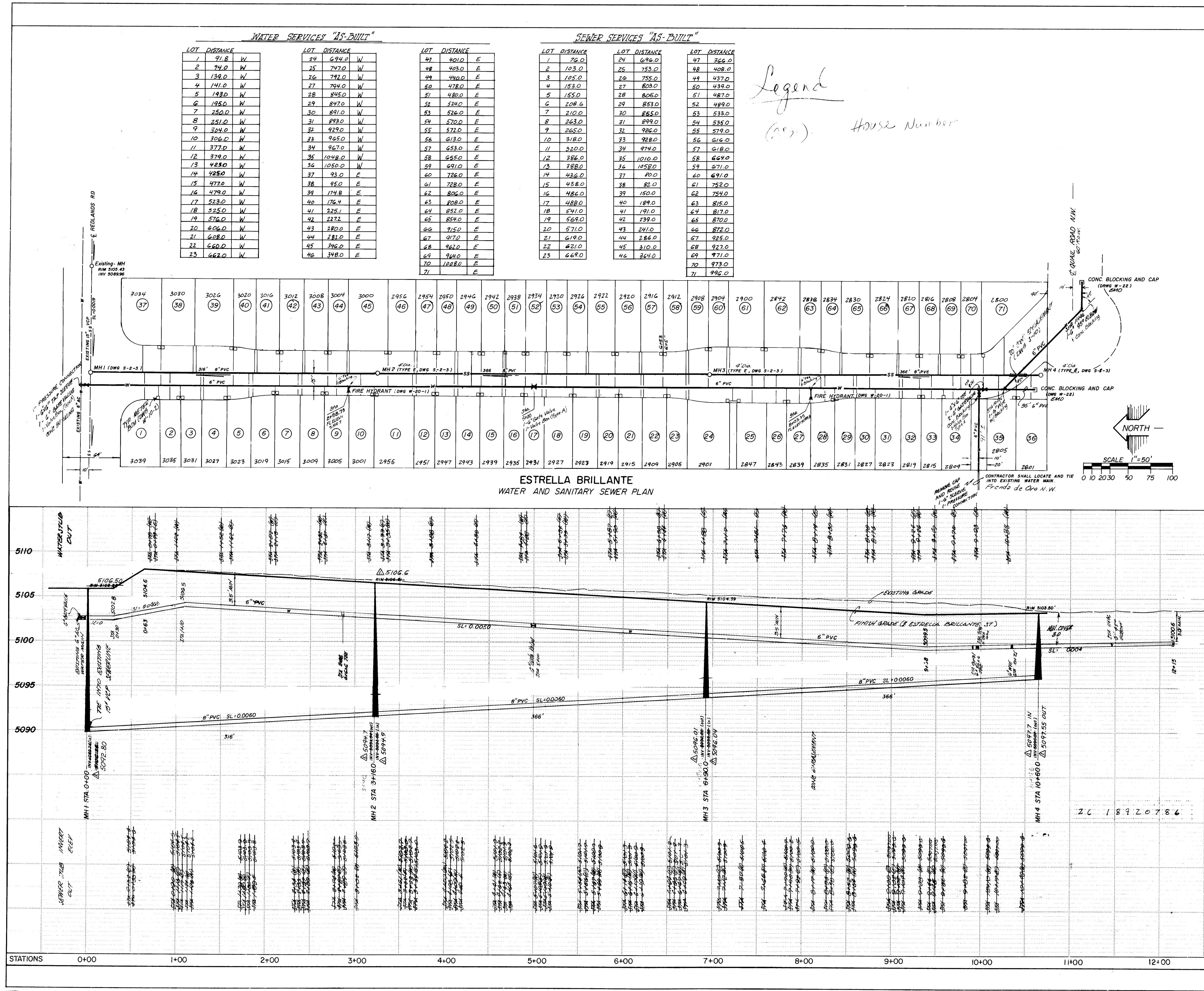


SECTION D-D
NO SCALE



VICINITY MAP





WATER SERVICES "AS-BUILT"			SEWER SERVICES "AS-BUILT"		
LOT	DISTANCE		LOT	DISTANCE	
1	91.8	W	24	694.0	W
2	74.0	W	25	747.0	W
3	139.0	W	26	792.0	W
4	141.0	W	27	794.0	W
5	193.0	W	28	845.0	W
6	195.0	W	29	847.0	W
7	250.0	W	30	891.0	W
8	251.0	W	31	893.0	W
9	304.0	W	32	929.0	W
10	306.0	W	33	965.0	W
11	377.0	W	34	967.0	W
12	379.0	W	35	1048.0	W
13	428.0	W	36	1050.0	W
14	425.0	W	37	93.0	E
15	477.0	W	38	95.0	E
16	479.0	W	39	174.8	E
17	523.0	W	40	176.4	E
18	525.0	W	41	225.1	E
19	576.0	W	42	227.2	E
20	606.0	W	43	280.0	E
21	608.0	W	44	281.0	E
22	660.0	W	45	346.0	E
23	662.0	W	46	348.0	E

LOT	DISTANCE		LOT	DISTANCE	
24	694.0	W	47	401.0	E
25	747.0	W	48	403.0	E
26	792.0	W	49	440.0	E
27	794.0	W	50	478.0	E
28	845.0	W	51	482.0	E
29	847.0	W	52	524.0	E
30	891.0	W	53	526.0	E
31	893.0	W	54	570.0	E
32	929.0	W	55	572.0	E
33	965.0	W	56	613.0	E
34	967.0	W	57	653.0	E
35	1048.0	W	58	655.0	E
36	1050.0	W	59	691.0	E
37	93.0	E	60	726.0	E
38	95.0	E	61	728.0	E
39	174.8	E	62	806.0	E
40	176.4	E	63	808.0	E
41	225.1	E	64	852.0	E
42	227.2	E	65	854.0	E
43	280.0	E	66	915.0	E
44	281.0	E	67	917.0	E
45	346.0	E	68	962.0	E
46	348.0	E	69	964.0	E
71		E	70	973.0	E
			71	996.0	E

Legend
(??) House Number

NOTES

1) SEWER SERVICE SHALL BE INSTALLED PER CITY STANDARD DRAWING S-8-3

2) SEWER SERVICE SHALL BE 4" PVC, CDS 20

3) SEWER SERVICE LINE DEAD-END MARKER SHALL BE INSTALLED AT 1/2 PER DWG S-9 (6MD)

4) ALL SEWER MANHOLES SHALL BE 8' DIA. INSTALLED PER INDICATED STANDARD DWGS

5) WATER SERVICE LINE SHALL BE INSTALLED PER DWG W-10-2

6) SEWER SERVICE LINE TIES SHALL BE INSTALLED AT INDICATION STATIONS

7) WATER SERVICE LINE SHALL BE INSTALLED PER DWG W-10-2

8) WATER SERVICE LINE SHALL BE 3/4" TRUB

AS BUILT INFORMATION

CONTRACTOR: GAYLORD BROS.

DATE: 10/1/83

INSPECTOR: J. M. MURPHY

DATE: 10/1/83

FIELD: J. M. MURPHY

DATE: 10/1/83

REVISIONS: 1. 10/1/83

DATE: 10/1/83

REVISIONS: 2. 10/1/83

DATE: 10/1/83

SURVEY INFORMATION

NO. 1

DATE: 10/1/83

BY: J. M. MURPHY

NO. 2

DATE: 10/1/83

BY: J. M. MURPHY

ENGINEER'S SEAL

DESIGNED BY: Richard Hall

DATE: 10/1/83

DRAWN BY: Richard Hall

DATE: 10/1/83

CHECKED BY: Richard Hall

DATE: 10/1/83

CITY OF ALBUQUERQUE

MUNICIPAL DEVELOPMENT DEPARTMENT

ENGINEERING DIVISION

TITLE:

ESTRELLA BRILLANTE

WATER AND SANITARY SEWER PLAN

APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	10/1/83	Liquid Waste	W. J. J.	10/1/83
ACE-Design	10/1/83	Traffic	W. J. J.	10/1/83
ACE-Hydrology	10/1/83	Water	W. J. J.	10/1/83

PROJECT NO.

1892

MAP NO.

G-11

SHEET

7 OF 7