CONSTRUCTION PLANS
FOR

VISTA DEL MUNDO

BEING A
PORTION OF TRACT D EMBUDO HILLS
ALBUQUERQUE, NEW MEXICO
JULY 1984

INDEX TO DRAWINGS

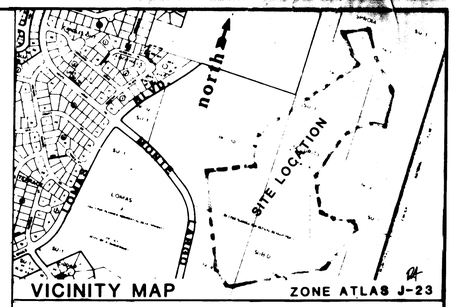
SHEET NO.	DESCRIPTION
2	SUBDIVISION PLAT
3	SUBDIVISION PLAT
4-7	GRADING PLAN
8	OVERALL STREET PAVING PLAN
9	OVERALL WATER & SANITARY SEWER LINES & DRAINAGE CHANNELS
	STREET PAVING PLAN & PROFILE
10	TEMILE HILL PL., WIND MOUNTAIN RD. & SIERRA LARGA DR.
11	SIERRA LARGA DR., WIND MOUNTAIN RD. & MESITA CLIFF RD.
12	PINE BUTTE RD., ONAVA CT., OAK BUTTE RD. & LA MESITA RD.
13	PINNACLE VIEW DR. & TEJANA MESA PL.
14	LA MESITA RD. & MUNDO CT. & ZONE 10E WATER EXTENSION
	STREET UTILITY PLAN & PROFILE
15	TEMILE HILL PL., WIND MOUNTAIN RD. & SIERRA LARGA DR.
16	SIERRA LARGA DR., WIND MOUNTAIN RD. & MESITA CLIFF RD.
17	PINE BUTTE RD., ONAVA CT., OAK BUTTE RD. & LA MESITA RD.
18	PINNACLE VIEW DR. & TEJANA MESA PL.
19	LA MESITA RD. & MUNDO CT.
20	DETAIL SHEET

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER-FIELD
W. S. McNamara
DATE 1-10-86

I hereby certify that the sheets marked "RECORD DRAWING" for Job 2133 have been revised to reflect record information for water, sanitary sewer, storm drainage, paving and grading required by the City of Albuquerque's Development Process Manual. This information was obtained via field survey by Greiner Engineering Sciences, Inc. and notes supplied by the Field Section of the City Engineer's Office.
By:

DANIEL L. MOREHEAD NEW MEXICO 6272 PROFESSIONAL ENGINEER

12-31-85
GREINER ENGINEERING SCIENCES, INC.
D. L. Morehead, P.E.



VICINITY MAP ZONE ATLAS J-23

GENERAL NOTES

1. 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 THE NEW MEXICO STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION - 1979 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS) AND THE CONTRACT DOCUMENTS FOR PUBLICS WORKS CONTRACT NO. 84-1.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTULITIES.
3. 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 AMOUNT OF DELAY.
4. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
6. TACT COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
7. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
8. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
9. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
10. MANHOLES SHALL BE 4' INSIDE DIAMETER TYPE "C" OR "E" EXCEPT AS NOTED.
11. ELECTRONIC MARKERS DISKS (EMD'S) ARE TO BE INSTALLED PER SECTION 131. IN ADDITION TO THOSE SHOWN ON THE PLANS, THE FOLLOWING EMD'S ARE REQUIRED:
    A) SEWER- AT THE PROPERTY LINE FOR ALL SERVICE LINES.
    B) WATER- SINGLE SERVICE, OVER THE MAIN LINE AT THE SERVICE TAP.
    C) WATER- DOUBLE SERVICE, OVER THE MAIN LINE HALFWAY BETWEEN THE SERVICE TAPS.

MSM Job No. 0640662

PREPARED FOR:
AMERICAN SERVICE CORPORATION
2901 JUAN TABO, N.E.
ALBUQUERQUE, NEW MEXICO 87112

S133

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

REV	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

MSM/SP Group
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 292-1936

APPROVED FOR CONSTRUCTION
12/10/86 C.E.

2133

SHEET 1 OF 20

TOWNSHIP [illegible]

RANGE 4 EAST

BEING

TRACT "D"

EMBUDO HILLS

SEPTEMBER 1984

VICINITY MAP

DEDICATION

1. Dedication [illegible]
2. [illegible]
3. [illegible]
4. [illegible] dedication.
5. Construction [illegible] shown on this plat [illegible] Subdivision Ordinance [illegible] Subdivision Improvements Agreement [illegible] Survey Section, [illegible] Public Works Division.

[illegible]

State of New Mexico)
ss.
County of Bernalillo)

The foregoing was acknowledged before me this 28TH day of SEPTEMBER, 1984 by [illegible] of [illegible] Corporation.

Notary Public

8/24/88

APPROVED BY:

Traffic Engineer, Transportation Department	7-31-84 Date
Parks and Recreation Department	7/31/84 Date
Chief City Surveyor, Engineering Division	8/3/84 Date
Water Resources Department	7/31/84 Date
Property Management	7-30-84 Date
Albuquerque Metropolitan Arroyo Flood Control Authority	12/4/84 Date
City Engineer, Engineering Division	12/4/84 Date
City Planner, Albuquerque/Bernalillo County Planning Division	12/4/84 Date
Public Service Company of New Mexico	Date
Mountain Bell	7/30/84 Date
Gas Company of New Mexico	Date

CERTIFICATION

I, Jeryl Hart, Jr., New Mexico Registered Land Surveyor Number 7474, certify that this subdivision was prepared by me or under my supervision and that an actual field survey was performed on November 3, 1983, and that this Subdivision shows all easements of record and that this Replat meets the minimum requirements of the Albuquerque Subdivision Ordinance and is true to the best of my knowledge and belief.

Jeryl Hart 7/24/84
Jeryl Hart, Jr. NMRLS No. 7474 Date
For Greiner Engineering 10/1/84

Replat Data

D.R.B. Case Number	DRB-83-473 (S-84-1)
Zone Atlas Number	J-23
Gross Acreage	58.0429
Total Number Tracts Created	142
Total Mileage of Streets Created	1.459
Date of Survey	11-3-83

DRB-83-473

The foregoing instrument was acknowledged before me this 1ST day of OCTOBER, 1984, by Jeryl Hart, Jr. on behalf of Greiner Engineering Sciences, Inc.

Notary Public

8/24/88

GREINER ENGINEERING SCIENCES, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
Formerly MSM Consultants, Inc. 2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112 (505) 292-1936
A Greiner Engineering Inc Company

DRAWN BY K.M.	0640661
DESIGNED BY FLD. BK.1627	1" = 100'
CHECKED BY	VISTA DEL MUNDO
APPROVED BY	9-27-84
	SHEET NO. 1 of 4

EMBUDO HILLS TRACT C
FILED 4-19-84
(C23-161)

CERTIFICATION

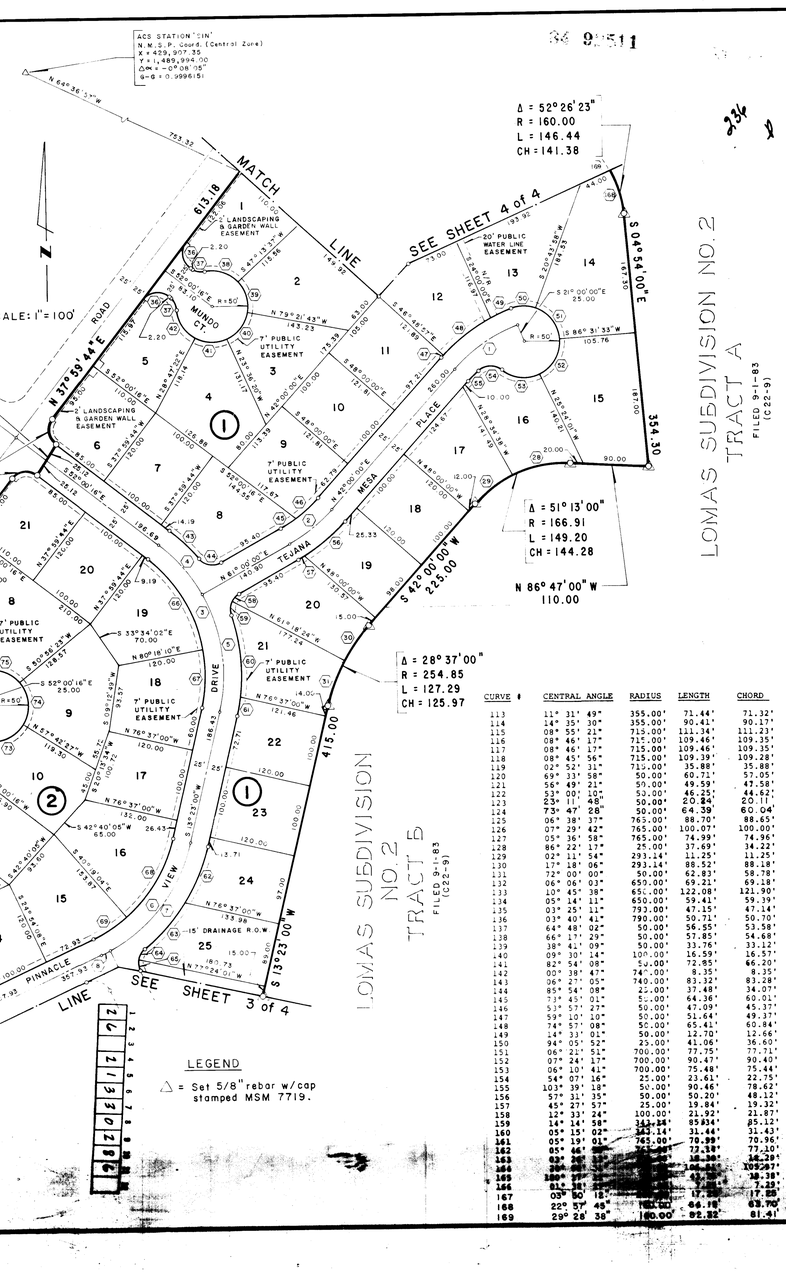
I, Jeryl Hart, Jr., New Mexico Registered Land Surveyor Number 7474, certify that this subdivision was prepared by me or under my supervision and that an actual field survey was performed on November 3, 1983, and that this Subdivision shows all easements of record and that this Replat meets the minimum requirements of the Albuquerque Subdivision Ordinance and is true to the best of my knowledge and belief.

Jeryl Hart 7/24/84
Jeryl Hart Jr. NMRLS No. 7474 Date
For Greiner Engineering 10/1/84

The foregoing instrument was acknowledged before me this 1ST day of October, 1984, by Jeryl Hart, Jr. on behalf of Greiner Engineering Sciences, Inc.

Notary Public

8/24/88



CURVE DATA TABLE

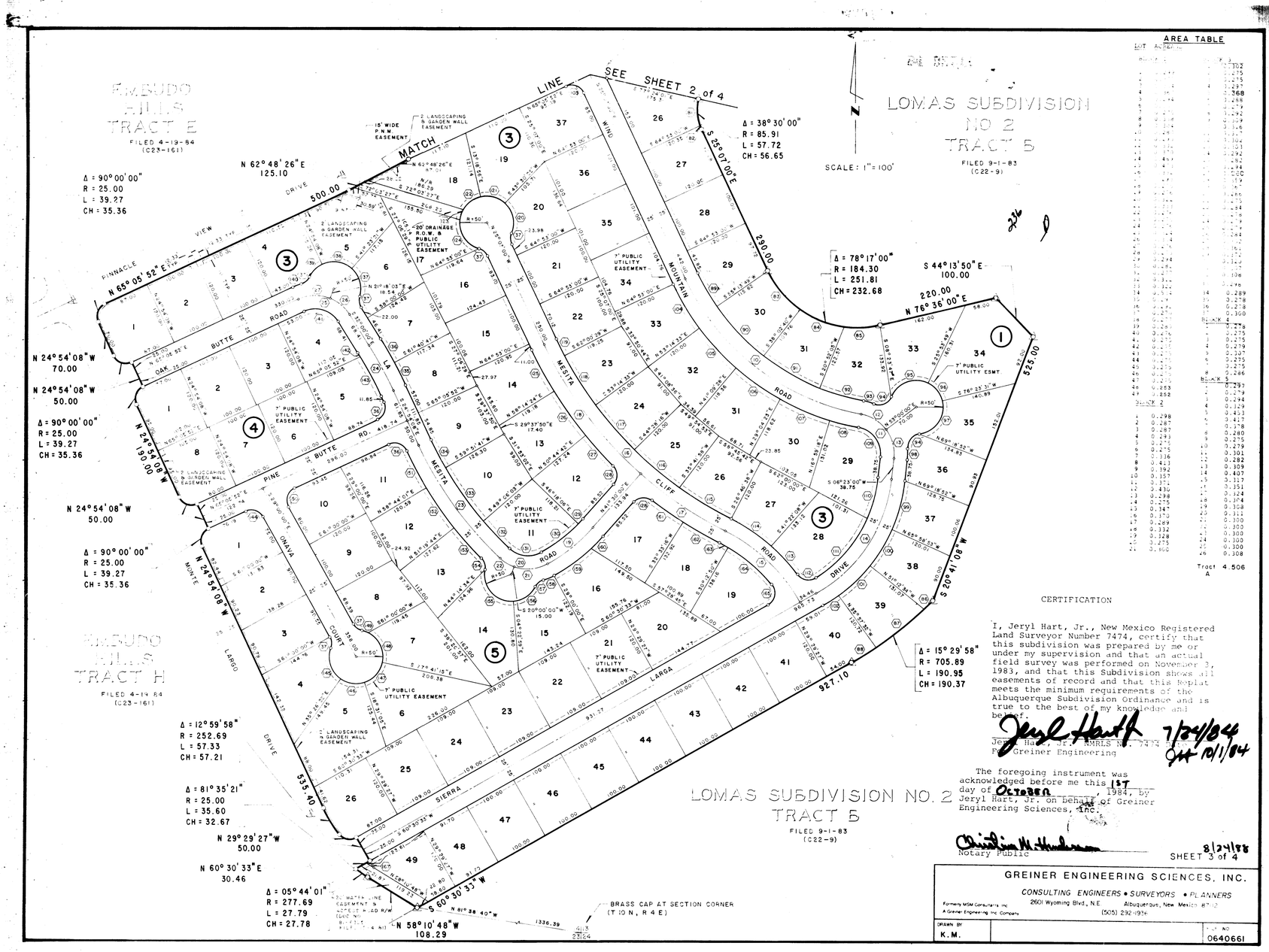
CURVE #	CENTRAL ANGLE	RADIUS	LENGTH	CHORD
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
113	11° 31' 49"	355.00'	71.44'	71.32'
114	14° 35' 30"	355.00'	90.41'	90.17'
115	08° 55' 21"	715.00'	111.34'	111.23'
116	08° 46' 17"	715.00'	109.46'	109.35'
117	08° 46' 17"	715.00'	109.46'	109.35'
118	08° 45' 56"	715.00'	109.39'	109.28'
119	02° 52' 31"	715.00'	35.88'	35.88'
120	69° 33' 58"	50.00'	60.71'	57.05'
121	56° 49' 21"	50.00'	49.59'	47.58'
122	53° 00' 10"	50.00'	46.25'	44.62'
123	23° 11' 48"	50.00'	20.24'	20.11'
124	73° 47' 28"	50.00'	64.39'	60.04'
125	06° 38' 37"	765.00'	88.70'	88.65'
126	07° 29' 42"	765.00'	100.07'	100.00'
127	05° 36' 58"	765.00'	74.99'	74.96'
128	86° 22' 17"	25.00'	37.69'	34.22'
129	02° 11' 54"	293.14'	11.25'	11.25'
130	17° 18' 06"	293.14'	88.52'	88.18'
131	72° 00' 00"	50.00'	62.83'	58.78'
132	06° 06' 03"	650.00'	69.21'	69.18'
133	10° 45' 38"	650.00'	122.08'	121.90'
134	05° 14' 11"	650.00'	59.41'	59.39'
135	03° 25' 11"	793.00'	47.15'	47.14'
136	03° 40' 41"	790.00'	50.71'	50.70'
137	64° 48' 02"	50.00'	56.55'	53.58'
138	66° 17' 29"	50.00'	57.85'	54.68'
139	38° 41' 09"	50.00'	33.76'	33.12'
140	09° 30' 14"	100.00'	16.59'	16.57'
141	82° 54' 08"	50.00'	72.85'	66.20'
142	00° 38' 47"	740.00'	8.35'	8.35'
143	06° 27' 05"	740.00'	83.32'	83.28'
144	85° 54' 08"	25.00'	37.48'	34.07'
145	73° 45' 01"	50.00'	64.36'	60.01'
146	53° 57' 27"	50.00'	47.09'	45.37'
147	59° 10' 10"	50.00'	51.64'	49.37'
148	74° 57' 08"	50.00'	65.41'	60.84'
149	14° 33' 01"	50.00'	12.70'	12.66'
150	94° 05' 52"	25.00'	41.06'	36.60'
151	06° 21' 51"	700.00'	77.75'	77.71'
152	07° 24' 17"	700.00'	90.47'	90.40'
153	06° 10' 41"	700.00'	75.48'	75.44'
154	54° 07' 16"	25.00'	23.61'	22.75'
155	103° 39' 18"	50.00'	90.46'	78.62'
156	57° 31' 35"	50.00'	50.20'	48.12'
157	45° 27' 57"	25.00'	19.84'	19.32'
158	12° 33' 24"	100.00'	21.92'	21.87'
159	14° 14' 58"	344.34'	85.63'	85.12'
160	05° 15' 02"	343.14'	31.44'	31.43'
161	05° 19' 01"	765.00'	70.99'	70.96'
162	05° 46' [illegible]	[illegible]	77.10'	77.10'
163	[illegible]	[illegible]	14.29'	14.29'
164	[illegible]	[illegible]	109.59'	109.59'
165	[illegible]	[illegible]	38.38'	38.38'
166	015° 38' [illegible]	[illegible]	7.25'	7.25'
167	039° 50' 12"	[illegible]	17.85'	17.85'
168	22° 57' 45"	[illegible]	66.18'	63.70'
169	29° 28' 38"	160.00'	82.32'	81.41'

SHEET 2 of 4

GREINER ENGINEERING SCIENCES, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
Formerly MSM Consultants, Inc. 2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112 (505) 292-1936
A Greiner Engineering Inc Company

DRAWN BY K.M.	C23-161

2133



AREA TABLE

LOT	AREA (ac)	LOT	AREA (ac)
BLOCK 1		7	0.302
1	0.[illegible]	8	0.275
2	0.[illegible]	9	0.297
3	0.[illegible]	10	0.368
4	0.[illegible]	11	0.288
5	0.[illegible]	12	0.279
6	0.[illegible]	13	0.292
7	0.[illegible]	14	0.309
8	0.[illegible]	15	0.316
9	0.[illegible]	16	0.302
10	0.[illegible]	17	0.303
11	0.[illegible]	18	0.292
12	0.[illegible]	19	0.282
13	0.[illegible]	20	0.278
14	0.[illegible]	21	0.300
15	0.[illegible]	22	0.300
16	0.[illegible]	23	0.300
17	0.[illegible]	24	0.300
18	0.[illegible]	25	0.300
19	0.[illegible]	26	0.308
20	0.[illegible]		
21	0.[illegible]		
22	0.[illegible]		
23	0.[illegible]		
24	0.[illegible]		
25	0.[illegible]		
26	0.[illegible]		
27	0.[illegible]		
28	0.[illegible]		
29	0.[illegible]		
30	0.[illegible]		
31	0.[illegible]		
32	0.[illegible]		
33	0.[illegible]		
34	0.[illegible]	34	0.289
35	0.[illegible]	35	0.278
36	0.[illegible]	36	0.278
37	0.[illegible]	37	0.300
38	0.[illegible]	BLOCK 4	
39	0.[illegible]	1	0.278
40	0.[illegible]	2	0.275
41	0.[illegible]	3	0.275
42	0.[illegible]	4	0.279
43	0.[illegible]	5	0.327
44	0.[illegible]	6	0.275
45	0.[illegible]	7	0.275
46	0.[illegible]	8	0.286
47	0.[illegible]	BLOCK 5	
48	0.253	1	0.297
49	0.252	2	0.279
BLOCK 2		3	0.294
		4	0.329
1	0.298	5	0.453
2	0.287	6	0.417
3	0.287	7	0.378
4	0.293	8	0.280
5	0.275	9	0.275
6	0.275	10	0.279
7	0.336	11	0.301
8	0.413	12	0.282
9	0.392	13	0.309
10	0.357	14	0.407
11	0.375	15	0.317
12	0.430	16	0.351
13	0.298	17	0.324
14	0.275	18	0.304
15	0.347	19	0.308
16	0.350	20	0.311
17	0.269	21	0.300
18	0.332	22	0.300
19	0.328	23	0.300
20	0.275	24	0.300
21	0.360	25	0.300
		26	0.308
		Tract A	4.506

CERTIFICATION

I, Jeryl Hart, Jr., New Mexico Registered Land Surveyor Number 7474, certify that this subdivision was prepared by me or under my supervision and that an actual field survey was performed on November 3, 1983, and that this Subdivision shows all easements of record and that this Replat meets the minimum requirements of the Albuquerque Subdivision Ordinance and is true to the best of my knowledge and belief.

Jeryl Hart 7/24/84
Jeryl Hart, Jr., NMRLS No. 7474 10/1/84
For Greiner Engineering

The foregoing instrument was acknowledged before me this 1ST day of OCTOBER, 1984, by Jeryl Hart, Jr. on behalf of Greiner Engineering Sciences, Inc.

Notary Public 8/24/88

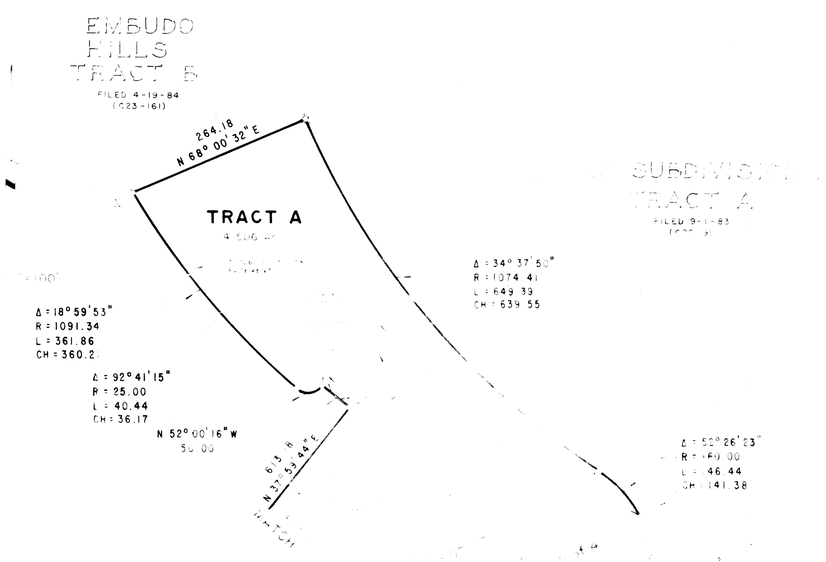
SHEET 3 of 4

GREINER ENGINEERING SCIENCES, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
Formerly MSM Consultants Inc
A Greiner Engineering Inc Company
2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
(505) 292-4991

DRAWN BY K.M. | FILE NO. 0640661

84 92511

LASON 1-505-344-9404
BEST COPY AVAILABLE

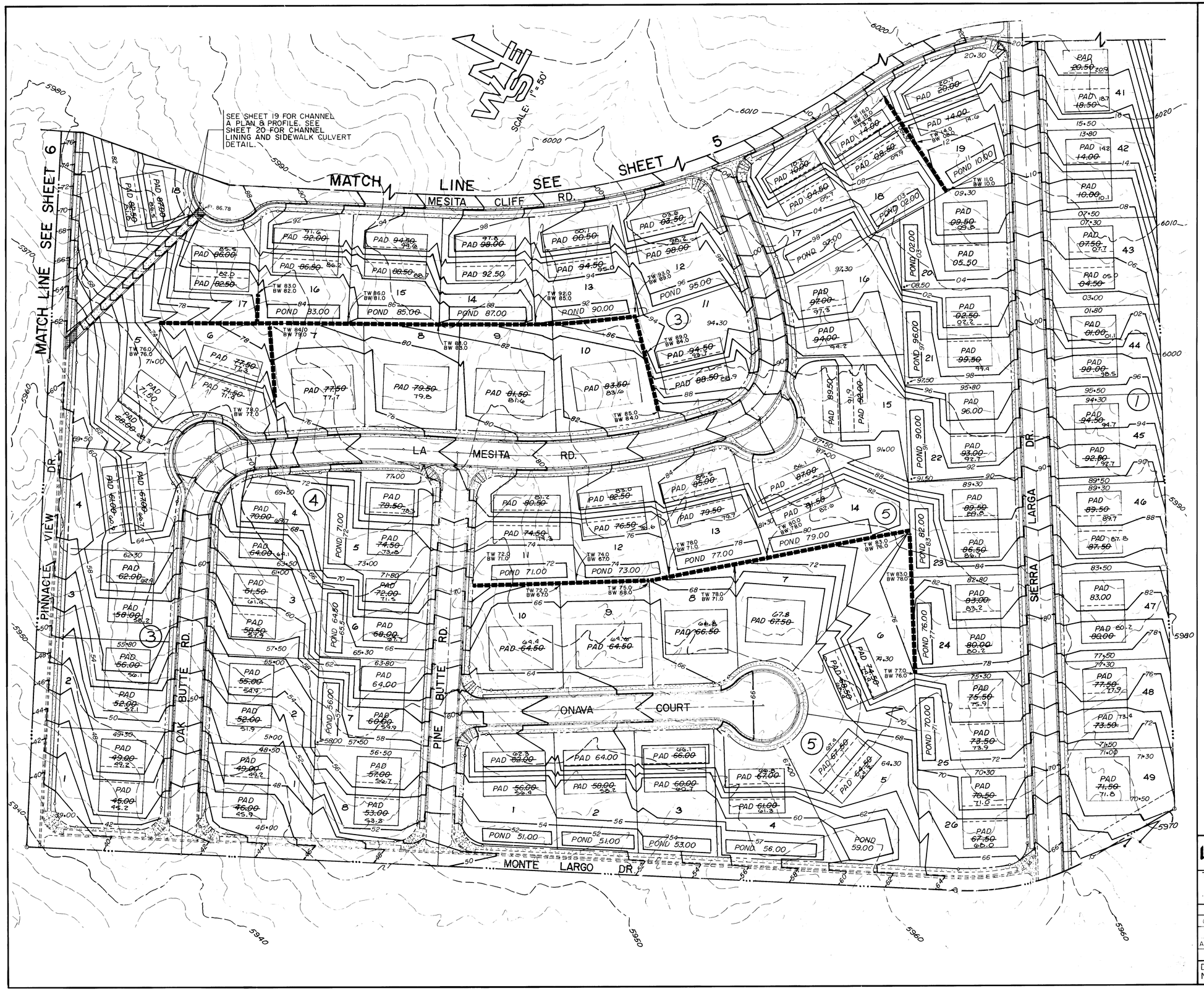


1	2	3	4	5	6	7	8	9	10	11	12
2	6	2	1	3	3	0	4	8	6		

Jeryl Hart 10/1/84
For Greiner Engineering

GREINER ENGINEERING SCIENCES, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2601 Wyoming Blvd., N.E. Albuquerque, New Mexico 87112
DRAWN BY K.M. | FILE NO. 0640661

2133



PAD TYPES		
PAD	TYPE	QUANTITY
	A	24
	B	28
	C	9

NOTE: See Sheet 20 for Split Pad Detail.

LEGEND

PROPOSED

- CENTERLINE
- SUBDIVISION BOUNDARY
- LOT LINE
- MATCH LINE
- 64 — CONTOURS
- 15.00 — SPOT ELEVATION
- PAD 24.50 — PAD ELEVATION
- POND 59.00 — BOTTOM OF POND ELEV.
- RETAINING WALL
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP
- 4 — LOT NUMBER
- 2 — BLOCK NUMBER
- TW 78.0 — TOP OF WALL ELEV.
- BW 77.0 — BOTTOM OF WALL ELEV.

EXISTING

- 5960 — CONTOURS
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP

26 21330486

ROCK EXCAVATION NOTE:

Section 550.021 of the New Mexico Standard Specifications For Public Works Construction, 1979 Edition, shall apply to all storm drain and utility trenching, with the exception that paragraph 1 shall be deleted and the following paragraph shall be inserted:

Rock shall be defined as any material that cannot be excavated at a rate of 50 cubic yards per hour by a competent operator using a CAT 235 HOE or equivalent (Bucket curling force - 35,600 lbs.), and stone or boulders larger than 12 cubic feet. The contractor may excavate rock using any means at his disposal, except that blasting must be thoroughly coordinated with water resources operations. Existing water facilities operations must not be disrupted by blasting. One-half or one-quarter charges with time delay fuses, or the use of chemical expansive materials, are recommended in the vicinity of existing water facilities. The quantity of rock excavation, as included in the engineer's estimate, is for estimating purposes only. The contractor will be paid for actual quantities excavated.

AS BUILT INFORMATION
CONTRACTOR: CONSTRUCTION & MANAGEMENT, INC.
WORK PERFORMED BY GREINER
INSPECTOR'S ACCEPTANCE BY CITY & ASC DATE
FIELD VERIFICATION BY GREINER DATE
DRAWINGS CORRECTED BY GREINER DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	AS BUILT PAD ELEVATIONS GEN	BY
1	10-84		

REVISIONS

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

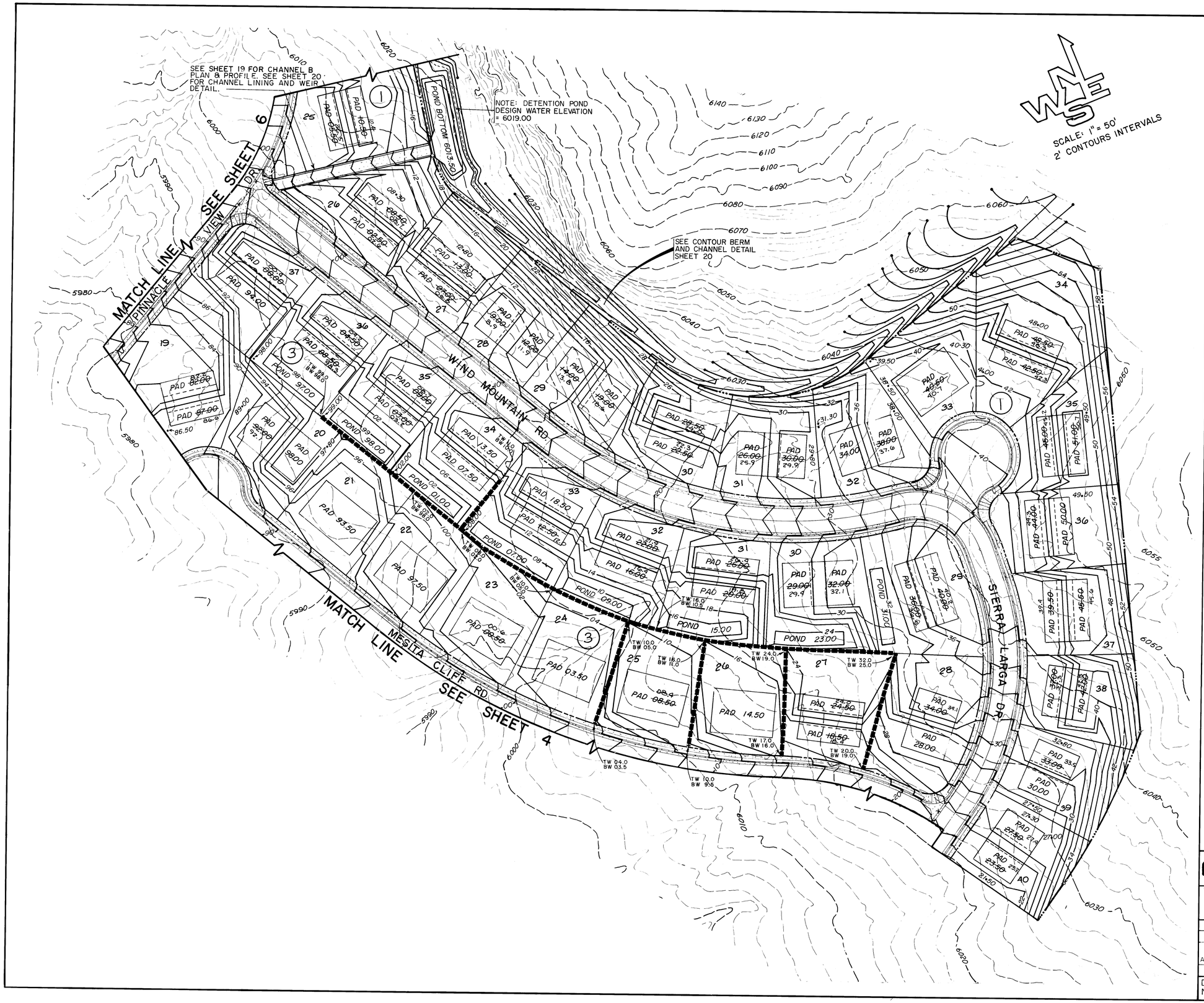
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **VISTA DEL MUNDO GRADING PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		7/18/84	Liquid Waste		7/18/84
A.C.E. Design		7/18/84	Traffic		7/18/84
A.C.E.-Hydrology		7/18/84	Water		7/18/84

DRAWING NO.	MAP NO.	SHEET	OF
2133	J-23	4	20

S13



PAD TYPES		
PAD	TYPE	QUANTITY
	A	19
	B	9
	C	7

Note: See Sheet 20 for Split Pad Detail.

LEGEND

PROPOSED

- CENTERLINE
- SUBDIVISION BOUNDARY
- LOT LINE
- MATCH LINE
- 64 CONTOURS
- 15.00 SPOT ELEVATION
- PAD 24.50 PAD ELEVATION
- POND 59.00 BOTTOM OF POND ELEV.
- RETAINING WALL
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP
- 4 LOT NUMBER
- 2 BLOCK NUMBER
- TW 78.0 TOP OF WALL ELEV.
- BW 77.0 BOTTOM OF WALL ELEV.

EXISTING

- 5960 CONTOURS
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP

26 21 33 05 86

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AS BUILT INFORMATION
CONTRACTOR CONSTRUCTING & MANAGEMENT INC.
WORK STAKED BY GREINER DATE
INSPECTED FOR ACCEPTANCE BY CITY & ASC DATE
FIELD VERIFICATION BY GREINER DATE
DRAWINGS CORRECTED BY GREINER DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	10-85	AS BUILT PAD ELEVATIONS	GEG

REVISIONS

DESIGN
DESIGNED BY RM & LJ DATE 4-84
DRAWN BY BC & JW DATE 4-84
CHECKED BY MH DATE 4-84

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **VISTA DEL MUNDO**
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/25/84	Liquid Waste	R Peña	7/18/84
A.C.E. Design		9/25/84	Traffic	N.B. Duff	7/18/84
A.C.E.-Hydrology		7/18/84	Water	R Peña	7/18/84

DRAWING NO. 2133 | MAP NO. 14 J-23 | SHEET 5 OF 20

S 1/3

PAD TYPES		
PAD	TYPE	QUANTITY
	A	5
	B	18
	C	2

Note: See Sheet 20 for Split Pad Detail.

LEGEND

PROPOSED

- CENTERLINE
- SUBDIVISION BOUNDARY
- LOT LINE
- MATCH LINE
- 64 — CONTOURS
- 15+00 — SPOT ELEVATION
- PAD 24.50 — PAD ELEVATION
- POND 59.00 — BOTTOM OF POND ELEV.
- RETAINING WALL
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP
- 4 — LOT NUMBER
- 2 — BLOCK NUMBER
- TW 78.0 — TOP OF WALL ELEV.
- BW 77.0 — BOTTOM OF WALL ELEV.

EXISTING

- 5960 — CONTOURS
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP

26 | 21330686

ROCK EXCAVATION NOTE:

Section 550.021 of the New Mexico Standard Specifications For Public Works Construction, 1979 Edition, shall apply to all storm drain and utility trenching, with the exception that paragraph 1 shall be deleted and the following paragraph shall be inserted:

Rock shall be defined as any material that cannot be excavated at a rate of 50 cubic yards per hour by a competent operator using a CAT 235 HOE or equivalent (Bucket curling force = 35,600 lbs.), and stone or boulders larger than 12 cubic feet. The contractor may excavate rock using any means at his disposal, except that blasting must be thoroughly coordinated with water resources operations. Existing water facilities operations must not be disrupted by blasting. One-half or one-quarter charges with time delay fuses, or the use of chemical expansive materials, are recommended in the vicinity of existing water facilities. The quantity of rock excavation, as included in the engineer's estimate, is for estimating purposes only. The contractor will be paid for actual quantities excavated.

AS BUILT INFORMATION
CONTRACTOR: KNOWLES CONTRACTING
WORK STAKED BY: GREINER DATE
INSPECTED BY: GREINER DATE
ACCEPTANCE BY: CITY & ASC DATE
VERIFICATION BY: GREINER DATE
DRAWINGS CORRECTED BY: GREINER DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

REVISIONS			
NO.	DATE	AS-BUILT PAD ELEVATIONS	BY
1	10-85		

DESIGN
DESIGNED BY RM & LJ DATE
DRAWN BY BG & JW DATE
CHECKED BY MH DATE

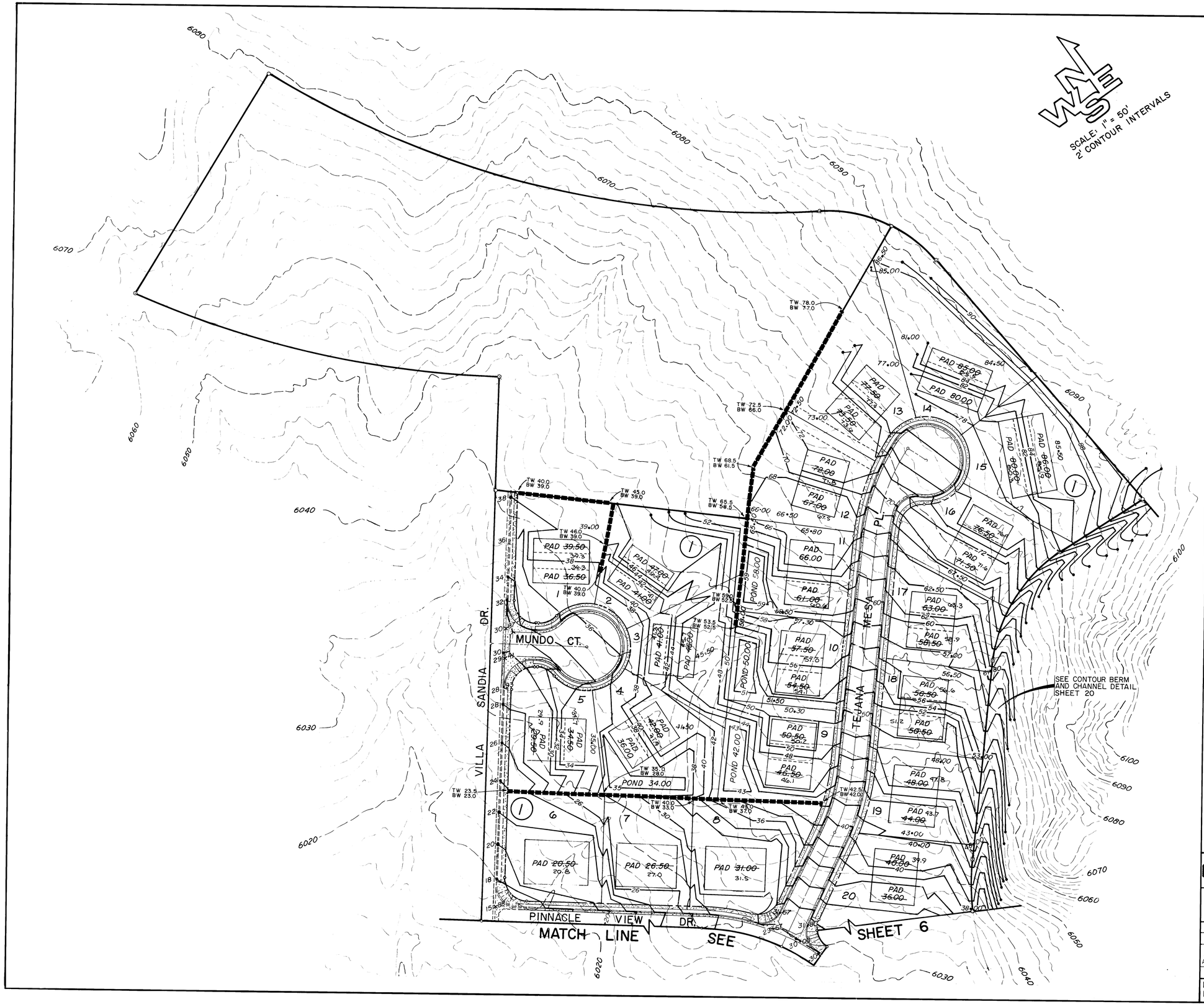
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		7/18/84	Liquid Waste		7/18/84
A.C.E. Design		7/18/84	Traffic	N/A	7/18/84
A.C.E.-Hydrology		7/18/84	Water		7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 6 OF 20

S13



PAD TYPES		
PAD	TYPE	QUANTITY
	A	5
	B	12
	C	3

Note: See Sheet 20 for Split Pad Detail.

LEGEND

PROPOSED

- CENTERLINE
- SUBDIVISION BOUNDARY
- LOT LINE
- MATCH LINE
- 64 — CONTOURS
- 15.00 — SPOT ELEVATION
- PAD 24.50 — PAD ELEVATION
- POND 59.00 — BOTTOM OF POND ELEV.
- RETAINING WALL
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP
- 4 — LOT NUMBER
- 2 — BLOCK NUMBER
- TW 78.0 — TOP OF WALL ELEV.
- BW 77.0 — BOTTOM OF WALL ELEV.

EXISTING

- 5900 — CONTOURS
- CURB AND GUTTER
- SIDEWALK
- WHEELCHAIR RAMP

26 21330786

ROCK EXCAVATION NOTE:

Section 550.021 of the New Mexico Standard Specifications For Public Works Construction, 1979 Edition, shall apply to all storm drain and utility trenching, with the exception that paragraph 1 shall be deleted and the following paragraph shall be inserted:

Rock shall be defined as any material that cannot be excavated at a rate of 50 cubic yards per hour by a competent operator using a CAT 235 HOE or equivalent (Bucket curling force = 35,600 lbs.), and stone or boulders larger than 12 cubic feet. The contractor may excavate rock using any means at his disposal, except that blasting must be thoroughly coordinated with water resources operations. Existing water facilities operations must not be disrupted by blasting. One-half or one-quarter charges with time delay fuses, or the use of chemical expansive materials, are recommended in the vicinity of existing water facilities. The quantity of rock excavation, as included in the engineer's estimate, is for estimating purposes only. The contractor will be paid for actual quantities excavated.

AS BUILT INFORMATION
CONTRACTOR: CONST. CONTRACTING & MANAGEMENT INC. DATE
WORK STAKED BY: GREINER DATE
AS BUILT DATA ACCEPTANCE BY: CITY ASC DATE
FIELD VERIFICATION BY: GREINER DATE
DRAWINGS CORRECTION BY: GREINER DATE
CHECKED BY: GREINER DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

AS BUILT PAD ELEVATIONS (6661)

NO.	DATE	REMARKS	BY
1	10-85		

REVISIONS

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

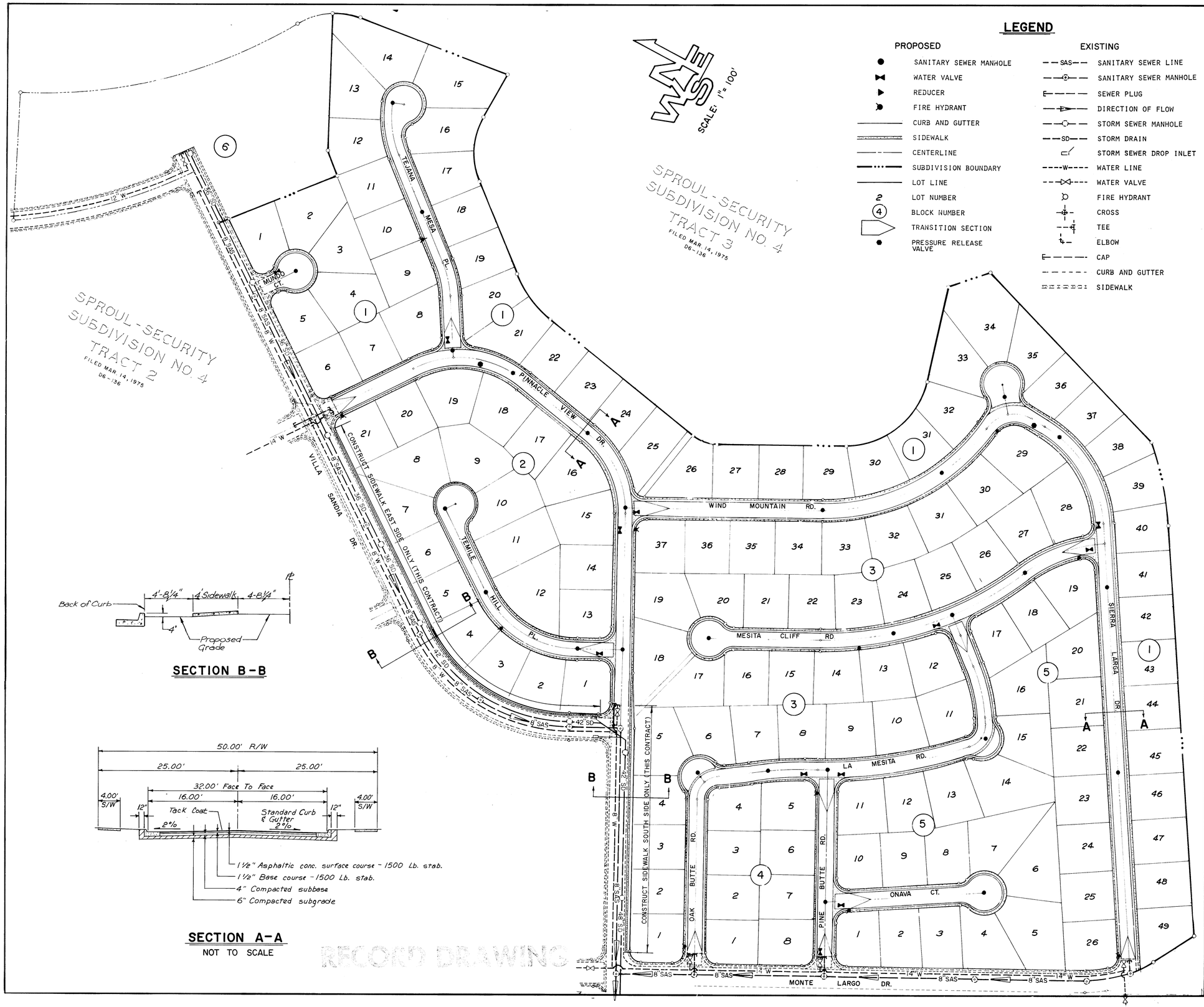
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **VISTA DEL MUNDO GRADING PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/25/84	Liquid Waste	R. Vista	7/18/84
A.C.E. Design		7/20/84	Traffic	NA	7/18/84
A.C.E. -Hydrology		7/18/84	Water	R. Vista	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 7 OF 20

5133



LEGEND

PROPOSED		EXISTING	
●	SANITARY SEWER MANHOLE	—SAS—	SANITARY SEWER LINE
⋈	WATER VALVE	—⊙—	SANITARY SEWER MANHOLE
▶	REDUCER	E————	SEWER PLUG
●	FIRE HYDRANT	—▷—	DIRECTION OF FLOW
———	CURB AND GUTTER	—○—	STORM SEWER MANHOLE
———	SIDEWALK	—SD—	STORM DRAIN
— · —	CENTERLINE	⊏/	STORM SEWER DROP INLET
—···	SUBDIVISION BOUNDARY	—W—	WATER LINE
———	LOT LINE	—⋈—	WATER VALVE
2	LOT NUMBER	♁	FIRE HYDRANT
(4)	BLOCK NUMBER	—✕—	CROSS
⬠	TRANSITION SECTION	—T—	TEE
●	PRESSURE RELEASE VALVE	—⌊—	ELBOW
		E————	CAP
		———	CURB AND GUTTER
		▭	SIDEWALK

SECTION B-B

SECTION A-A

NOT TO SCALE

NOTES:

1. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON CENTERLINE STATIONING, EXCEPT CUL-DE-SACS WHICH, STARTING AT THE P.C. OF THE RETURN, SHOW STATIONS AND CORRESPONDING SLOPES BASED ON TRUE DISTANCE ALONG THE FACE OF CURB.
2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK EXISTING PAVING TO A STRAIGHT LINE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER. NO SEPARATE PAYMENT SHALL BE MADE BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
4. ALL DIMENSIONS AND RADII OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
5. STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING P-8-4 WILL BE USED UNLESS OTHERWISE NOTED.
6. PAVEMENT SECTION FOR CUL-DE-SACS SHALL BE THE SAME AS SECTION A-A.
7. WIDTH OF PAVEMENT FOR CUL-DE-SACS VARIES PER PLAN VIEW.
8. CUL-DE-SACS HAVE NO CROWN. SLOPE OF PAVEMENT IS DETERMINED BY TOP OF CURB AND FLOWLINE ELEVATIONS.

26 2133 0886

AS BUILT INFORMATION
CONSTRUCTION INFORMATION & MANAGEMENT INC.
DRAWN BY GREINER DATE 10-85
INSPECTOR'S ACCEPTANCE BY CITY & ASC DATE 10-85
VERIFICATION BY GREINER DATE 10-85
CHECKED BY GREINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY RM & LJ DATE 4-84
DRAWN BY BC & JW DATE 4-84
CHECKED BY MH DATE 4-84

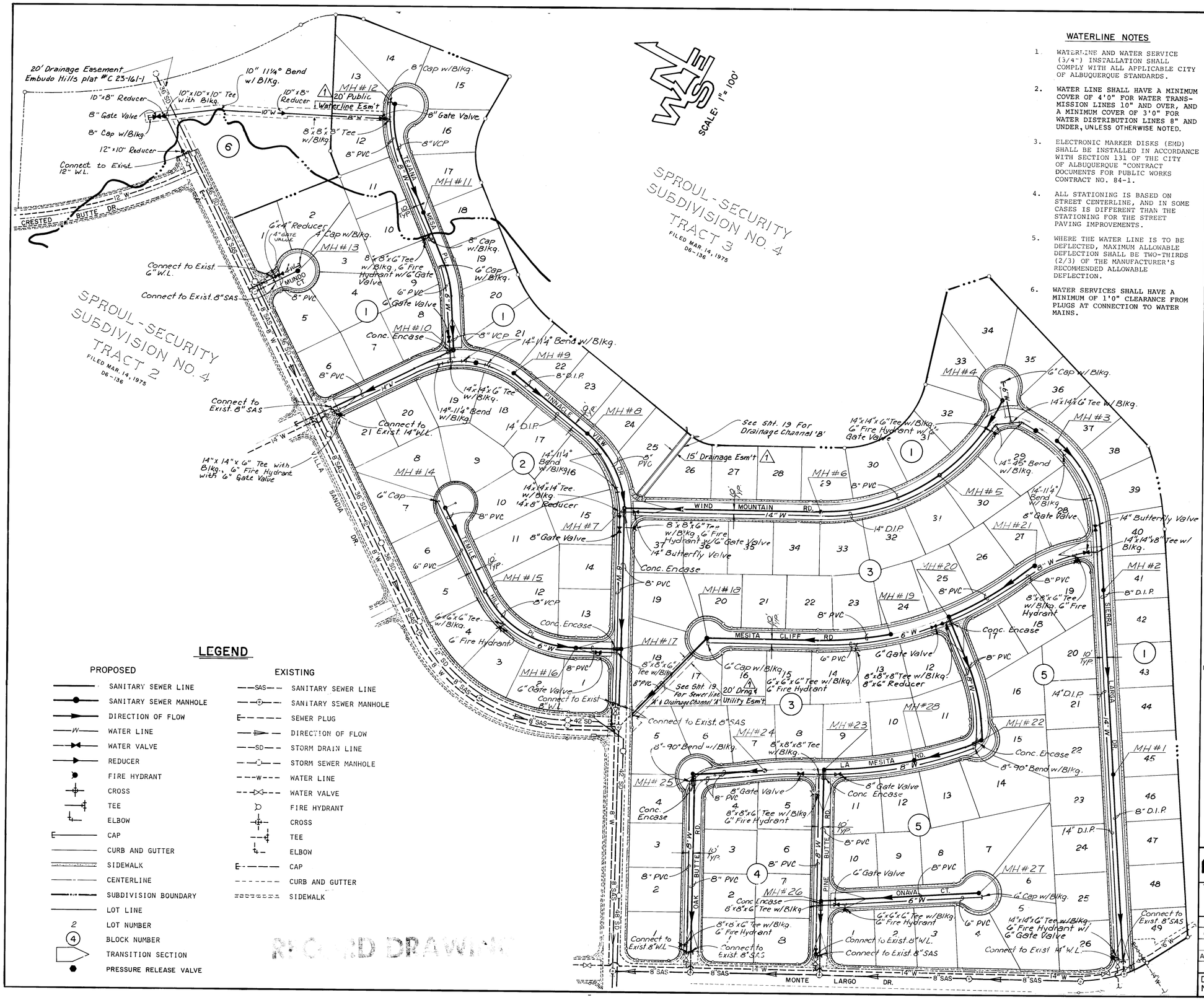
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
OVERALL STREET PAVING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.A. Shepard	7/25/84	Liquid Waste	R. Rivera	7/18/84
A.C.E. Design	G. Wilson	7/20/84	Traffic	David M. Hanna	7/18/84
A.C.E. -Hydrology	N.A. B.J.A	7/18/84	Water	R. Rivera	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 8 OF 20

S133



WATERLINE NOTES

1. WATERLINE AND WATER SERVICE (3/4") INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CITY OF ALBUQUERQUE STANDARDS.
2. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" FOR WATER TRANSMISSION LINES 10" AND OVER, AND A MINIMUM COVER OF 3'0" FOR WATER DISTRIBUTION LINES 8" AND UNDER, UNLESS OTHERWISE NOTED.
3. ELECTRONIC MARKER DISKS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 131 OF THE CITY OF ALBUQUERQUE "CONTRACT DOCUMENTS FOR PUBLIC WORKS CONTRACT NO. 84-1.
4. ALL STATIONING IS BASED ON STREET CENTERLINE, AND IN SOME CASES IS DIFFERENT THAN THE STATIONING FOR THE STREET PAVING IMPROVEMENTS.
5. WHERE THE WATER LINE IS TO BE DEFLECTED, MAXIMUM ALLOWABLE DEFLECTION SHALL BE TWO-THIRDS (2/3) OF THE MANUFACTURER'S RECOMMENDED ALLOWABLE DEFLECTION.
6. WATER SERVICES SHALL HAVE A MINIMUM OF 1'0" CLEARANCE FROM PLUGS AT CONNECTION TO WATER MAINS.

NOTES:

1. EXTEND ALL WATER AND SANITARY SEWER SERVICES TO 5' BEYOND THE 10' UTILITY AND SIDEWALK EASEMENT LINE.
2. ALL WATER AND SANITARY SEWER PIPE SHALL BE PVC UNLESS OTHERWISE NOTED.

SANITARY SEWER

1. SANITARY SEWER AND SEWER SERVICE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CITY OF ALBUQUERQUE STANDARDS.
2. ALL STATIONING IS BASED ON STREET CENTERLINE, AND IN SOME CASES IS DIFFERENT THAN THE STATIONING FOR THE STREET PAVING IMPROVEMENTS.
3. SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES, NOT CENTERLINE STATIONING. LENGTHS SHOWN ON PROFILES ARE TRUE DISTANCES FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
4. ALL MANHOLES SHALL BE 4-FOOT DIAMETER TYPE 'E' AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-2-4 UNLESS OTHERWISE NOTED.
5. SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISKS AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-9. EMD SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 131 OF THE CITY OF ALBUQUERQUE "CONTRACT DOCUMENTS FOR PUBLIC WORKS CONTRACT NO. 84-1".
6. WHERE SEWER AND WATER LINES CROSS, IF VERTICAL CLEARANCE DOES NOT EXCEED 1'-6", CONTRACTOR SHALL ENCASE SEWER PIPE IN CONCRETE, 10 FEET EACH SIDE OF WATER LINE. (NOTE THE POLICY ON THE PROXIMITY OF WATER AND SEWER LINES IN THE CONTRACT DOCUMENTS FOR PUBLIC WORKS CONTRACT NO. 84-1.)
7. WHERE THE SEWER LINE IS TO BE DEFLECTED, MAXIMUM ALLOWABLE DEFLECTION SHALL BE TWO-THIRDS (2/3) OF THE MANUFACTURER'S RECOMMENDED ALLOWABLE DEFLECTION.
8. ALL SERVICE CONNECTIONS SHALL BE MADE SUCH THAT THE SERVICE IS PERPENDICULAR OR RADIAL TO THE SEWER MAIN. (SEE NOTES 10 & 11.)
9. ALL SERVICE CONNECTIONS SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FOOT TOWARD THE MAIN WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL HAVE A MINIMUM DEPTH OF 4' BELOW THE TOP OF CURB ELEVATION FROM THE FINISHED SURFACE PROJECTED TO THE PROPERTY LINE MEASURED TO THE PIPE INVERT.
10. ALL SERVICE CONNECTIONS MUST BE MADE TO THE MAIN LINE EXCEPT AT THE END OF CUL-DE-SACS WHERE CONNECTION TO A MANHOLE IS PERMITTED IN THE MANNER SHOWN IN THE STANDARD DETAILS.
11. SERVICE CONNECTIONS TO A MANHOLE ARE TO BE MADE WITH THE INVERT OF THE SERVICE AT THE ELEVATION OF THE TOP OF THE MAIN LINE.

26 21330986

LEGEND

PROPOSED	EXISTING
SANITARY SEWER LINE	SANITARY SEWER LINE
SANITARY SEWER MANHOLE	SANITARY SEWER MANHOLE
DIRECTION OF FLOW	SEWER PLUG
WATER LINE	DIRECTION OF FLOW
WATER VALVE	STORM DRAIN LINE
REDUCER	STORM SEWER MANHOLE
FIRE HYDRANT	WATER LINE
CROSS	WATER VALVE
TEE	FIRE HYDRANT
ELBOW	CROSS
CAP	TEE
CURB AND GUTTER	ELBOW
SIDEWALK	CAP
CENTERLINE	CURB AND GUTTER
SUBDIVISION BOUNDARY	SIDEWALK
LOT LINE	
2 LOT NUMBER	
(4) BLOCK NUMBER	
TRANSITION SECTION	
PRESSURE RELEASE VALVE	

RECORD DRAWING

AS BUILT INFORMATION

CONTRACTOR CONSTI CONTRACTING & MANAGEMENT INC.
WORK STAKED BY GREINER DATE 1985
INSPECTOR'S ACCEPTANCE BY CITY & ACC DATE 8-85
FIELD VERIFICATION BY GREINER DATE 8-85
DRAWINGS CORRECTED BY GREINER DATE 8-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

Top of header curb at southwest corner of Sandia Manor pump station. Elev. = 6011.62

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8-20-84	Add Easements to Drawings	R.M.

REVISIONS

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

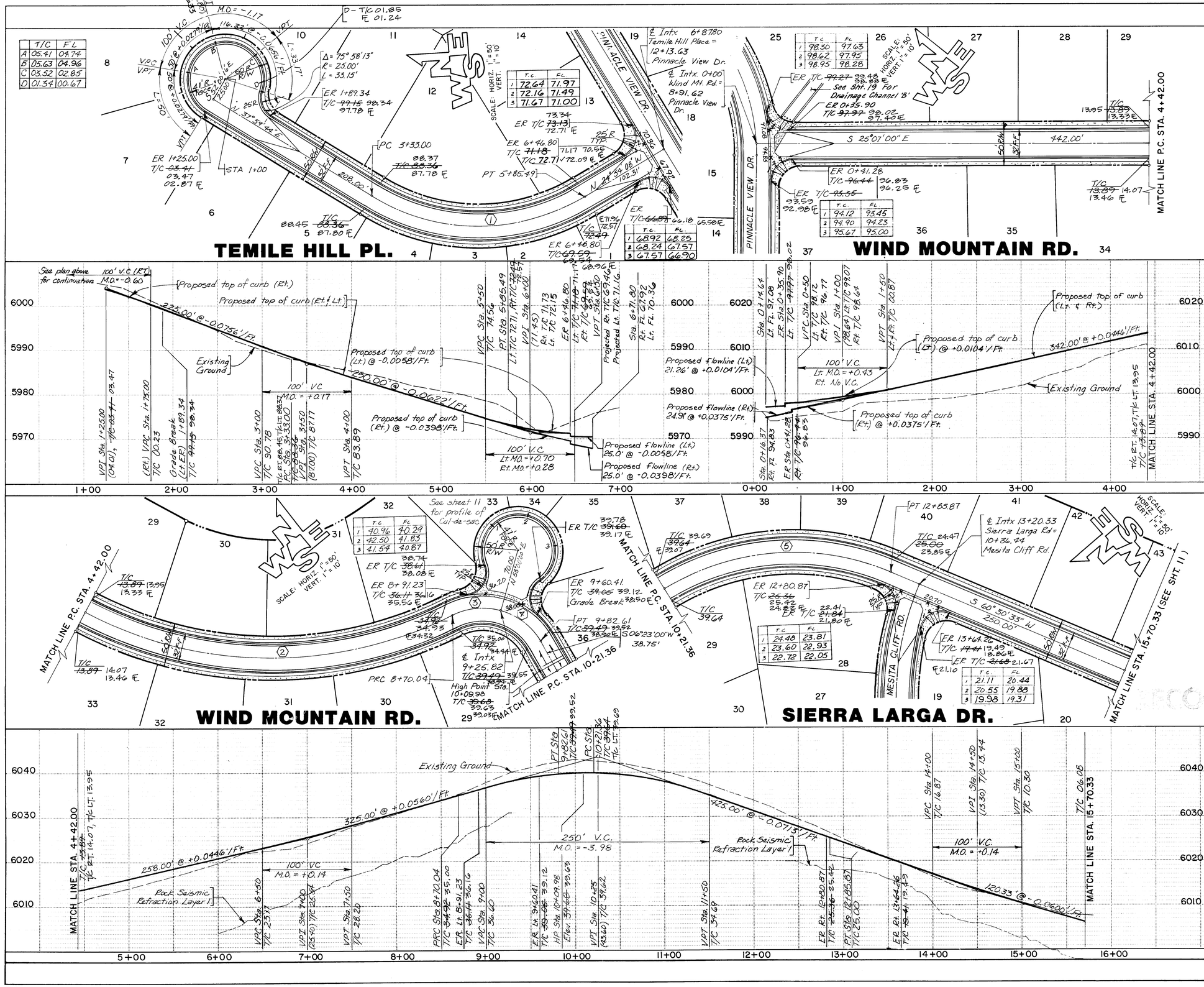
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **VISTA DEL MUNDO**
OVERALL WATER & SANITARY SEWER LINES & DRAINAGE CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.H. Lippard	7/18/84	Liquid Waste	R. Peña	7/18/84
A.C.E. Design	[illegible]	7/18/84	Traffic	NA	
A.C.E.-Hydrology	B.J. Bachelder	7/18/84	Water	R. Peña	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 9 OF 20

S133



Horizontal Curve Data			
No.	Delta	Radius	Length
1	62° 53' 52"	230.00'	252.49'
2	54° 30' 00"	450.00'	428.04'
3	42° 37' 00"	75.00'	55.78'
4	43° 23' 00"	75.00'	56.79'
5	54° 07' 55"	280.00'	264.51'

Note: The horizontal curve data table shown is ℄ of Temile Hill Place, Wind Mountain Road and Sierra Large Dr.

Seismic Data Interpretation

Seismic refraction is a surface geophysical method used to estimate earth material layer depths and their seismic velocities. The Seismic Profiles shown are delineated as Rock Seismic Refraction Layer 2 and/or 3. Layer 1 shall therefore be labled as existing ground.

Layer 1 is a combination of overburden and possibly some very weathered granite. The velocity of this layer ranges from 2,972 to 5,857 ft/sec.

Layer 2 is composed of moderately weathered and fractured granite. The material has a velocity range from 2,972 to 5,857 ft/sec.

Layer 3 was occasionally detected and is composed of more competent granite. This material has a velocity ranging from 7,133 to 8,988 ft./sec.

AS BUILT INFORMATION
CONTRACTOR: ZONTAL CONTRACTING & MANAGEMENT INC.
WORK STAKED BY: GREINER DATE 1985
INSPECTOR'S ACCEPTANCE BY: CITY & ASC DATE
FIELD VERIFICATION BY: GREINER DATE 8-85
DRAWINGS CORRECTED BY: GREINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	10-85	AS BUILT T/C & STREET WIDTHS	GES

REVISIONS

DESIGN		
DESIGNED BY	RM & LJ	DATE 4-84
DRAWN BY	BC & JW	DATE 4-84
CHECKED BY	MH	DATE 4-84

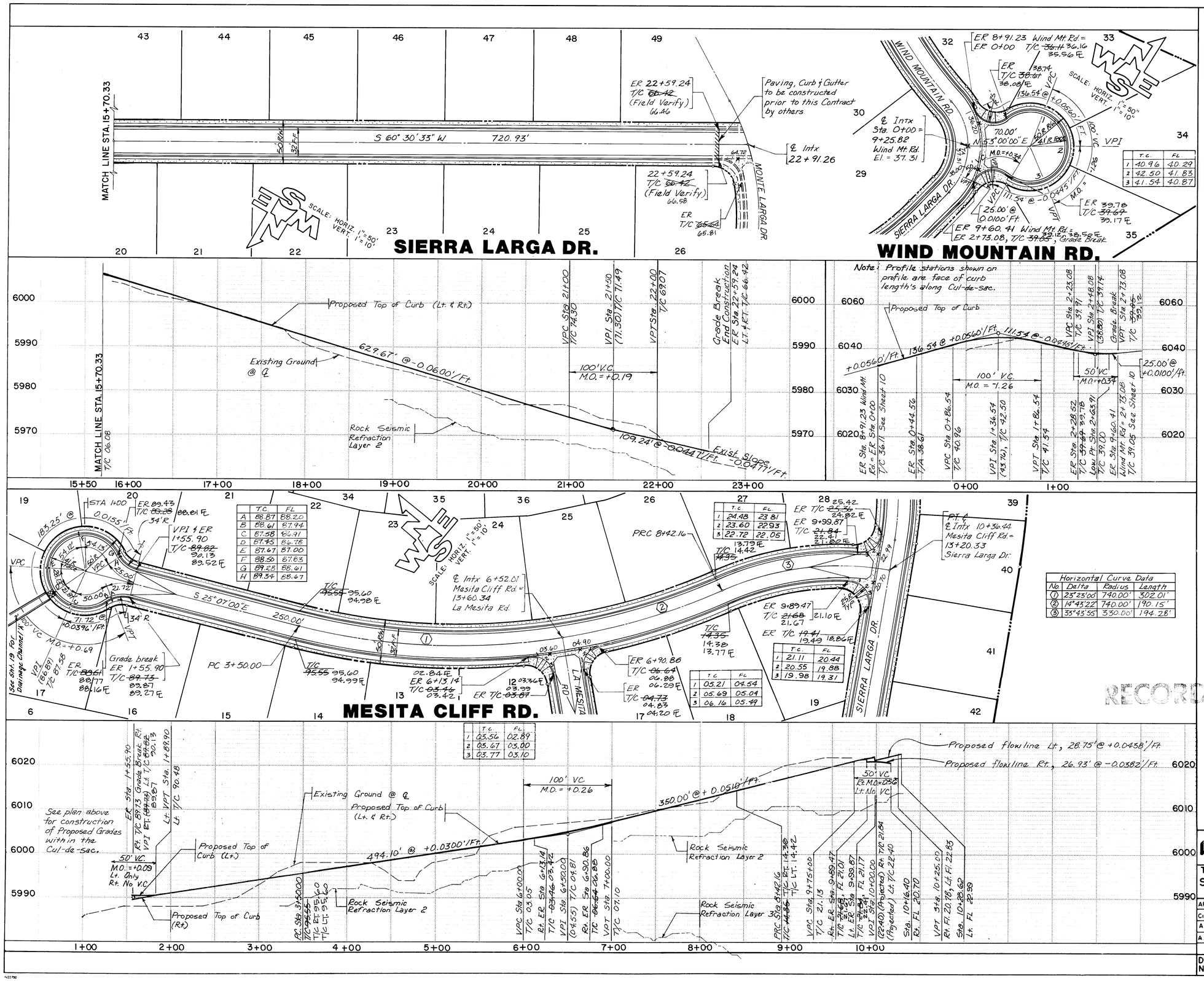
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
TEMILE HILL PL., WIND MT. RD. & SIERRA LARGA DR.
STREET PAVING PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/25/84	Liquid Waste	R Fava	7/18/84
A.C.E.-Design		9/25/84	Traffic	David W. Hanna	7/18/84
A.C.E.-Hydrology		7/18/84	Water	R Fava	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 10 OF 20

S133



Horizontal Curve Data			
No.	Delta	Radius	Length
1	23°23'00"	740.00'	302.01'
2	14°43'22"	740.00'	190.15'
3	33°43'55"	330.00'	194.28'

AS BUILT INFORMATION
CONTRACTOR & MANAGEMENT INC.
WORK STAKED BY GREINER DATE
INSPECTOR'S ACCEPTANCE BY CITY & ASC DATE
FIELD VERIFICATION BY GREINER DATE
DRAWINGS CORRECTED BY GREINER DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. = 6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	10-85	AS BUILT, T/C & STREET WIDTHS	GES

REVISIONS

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

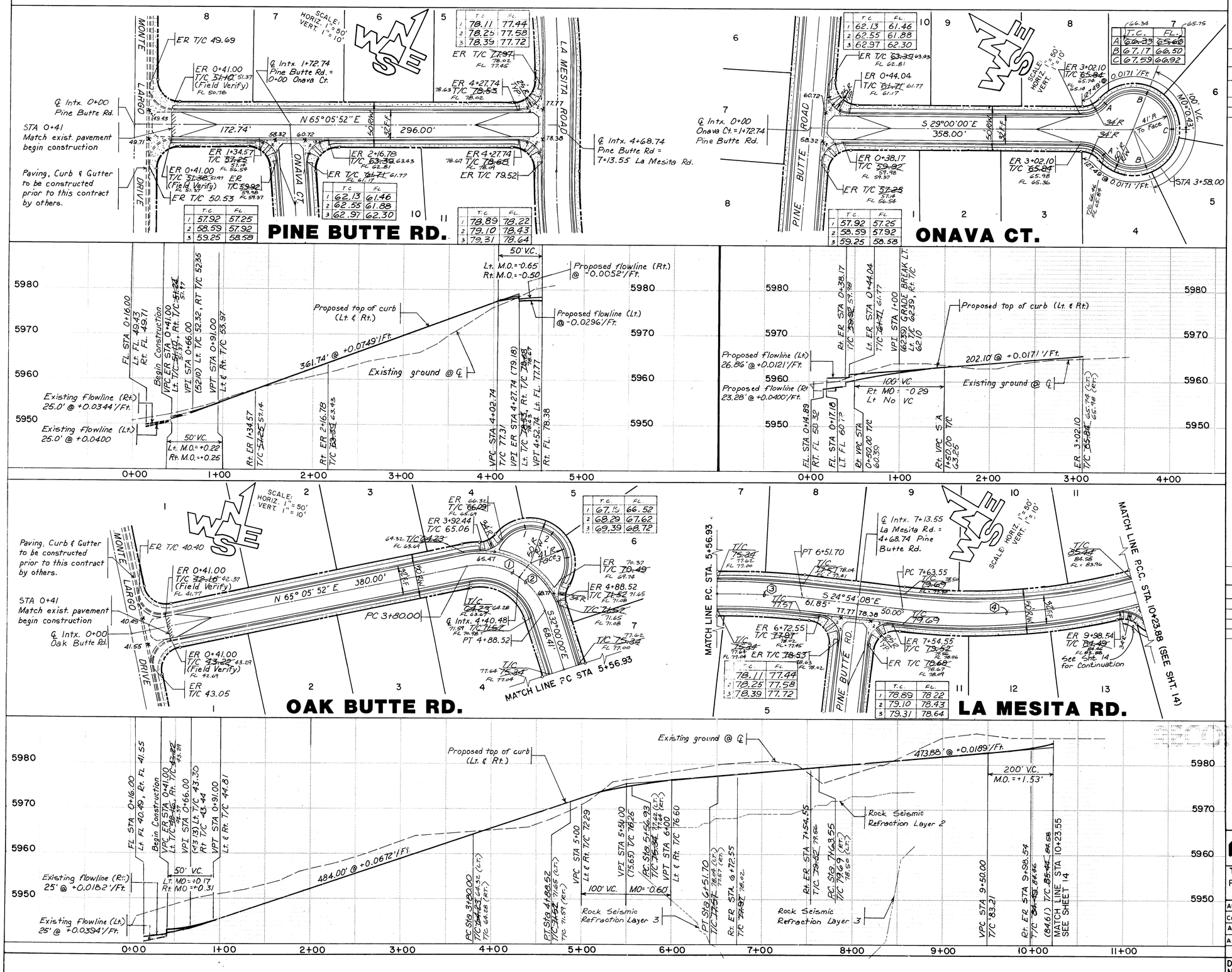
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
SIERRA LARGA DR., WIND MT. RD. & MESITA CLIFF RD.
STREET PAVING PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		7/18/84	Liquid Waste		7/18/84
A.C.E. - Design		7/18/84	Traffic		7/18/84
A.C.E. - Hydrology		7/18/84	Water		7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 11 OF 20

S133



T.C.	FL.
57.92	57.25
58.59	57.92
59.25	58.58

T.C.	FL.
78.11	77.44
78.25	77.58
78.39	77.72

T.C.	FL.
62.13	61.46
62.55	61.88
62.97	62.30

T.C.	FL.
78.89	78.22
79.10	78.43
79.31	78.64

T.C.	FL.
67.15	66.52
68.29	67.62
69.39	68.72

	T.C.	FL.
A	66.33	65.60
B	67.17	66.50
C	67.59	66.92

HORIZONTAL CURVE DATA

NO.	DELTA	RADIUS	LENGTH
3+02.10 TO A	48° 11' 23"	34.00'	28.60'
A TO B	68° 18' 55"	41.00'	48.89'
B TO C	69° 52' 23"	41.00'	50.00'

Note: Curve Data Along Face of Curb.

℄ HORIZONTAL CURVE DATA

NO.	DELTA	RADIUS	LENGTH
1	46° 12' 11"	75.00'	60.48'
2	36° 41' 57"	75.00'	48.04'
3	07° 05' 52"	765.00'	94.77'
4	22° 05' 52"	675.00'	260.33

AS BUILT INFORMATION
CONTRACTOR CONST. CONTRACTING & MANAGEMENT INC
WORK STAKED BY GEINER DATE 1985
INSPECTORS ACCEPTANCE BY CITY & MC DATE
FIELD VERIFICATION BY GEINER DATE 10-86
MARKS CORRECTED BY GEINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	10-85	AS BUILT T/C & STREET W/ OTHERS	GEI

REVISIONS

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JN	4-84
CHECKED BY	MH	4-84

RECORD DRAWING

26 21331286

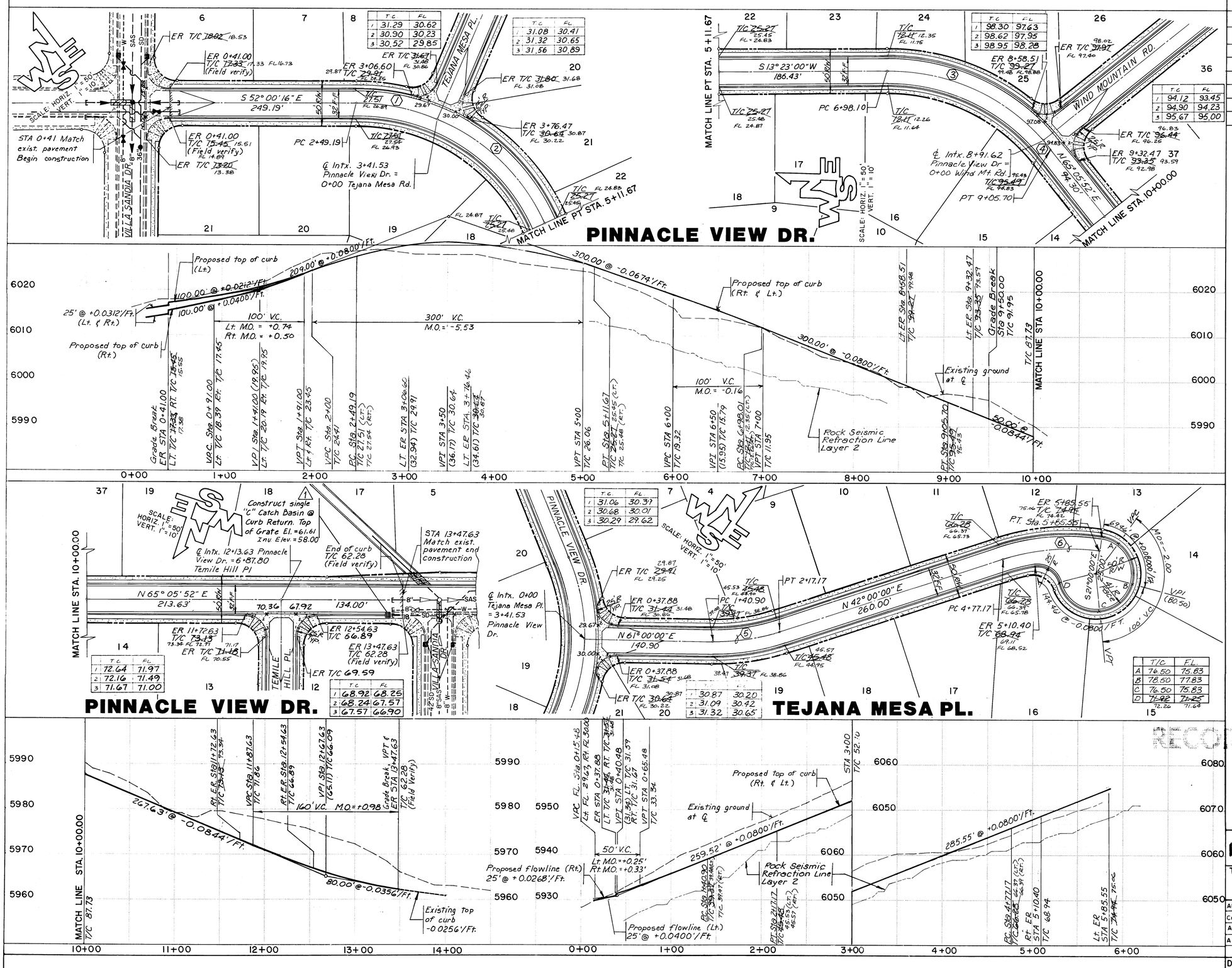
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
PINE BUTTE RD., ONAVA CT., OAK BUTTE RD. & LA MESITA RD.
STREET PAVING PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.A. Chavez	9/25/84	Liquid Waste	R. Pena	7/18/84
A.C.E.-Design	H. Wilson	9/25/84	Traffic	David W. Thomas	7/18/84
A.C.E.-Hydrology	B.J. Brinkley	7/18/84	Water	R. Pena	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 12 OF 20

S133



℄ HORIZONTAL CURVE DATA

No.	Delta	Radius	Length
1	23°00'16"	230.00'	92.34'
2	42°23'00"	230.00'	170.13
3	51°42'52"	230.00'	207.60'
4	03°30'29"	230.00'	14.08'
5	19°00'00"	230.00'	76.27'
6	27°00'00"	230.00'	108.38'

AS BUILT INFORMATION

CONTRACTOR ZONTE CONTRACTING & MANAGEMENT INC
WORK STAKED BY GREINER DATE 1985
FIELD ASBUILT BY CITY & ASC DATE 8-85
ASBUILT CHECKED BY GREINER DATE 10-85
FIELD CHECKED BY GREINER DATE 10-85
CORRECTED BY GREINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

Top of header curb at southwest corner of Sandia Manor pump station. Elev. = 6011.62

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	10-25-84	As Built, T/C & Street Widths	RM
2	8-20-84	Add Catch Basin, change 22"-30"	RM

REVISIONS

DESIGN		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JN	4-84
CHECKED BY	MH	4-84

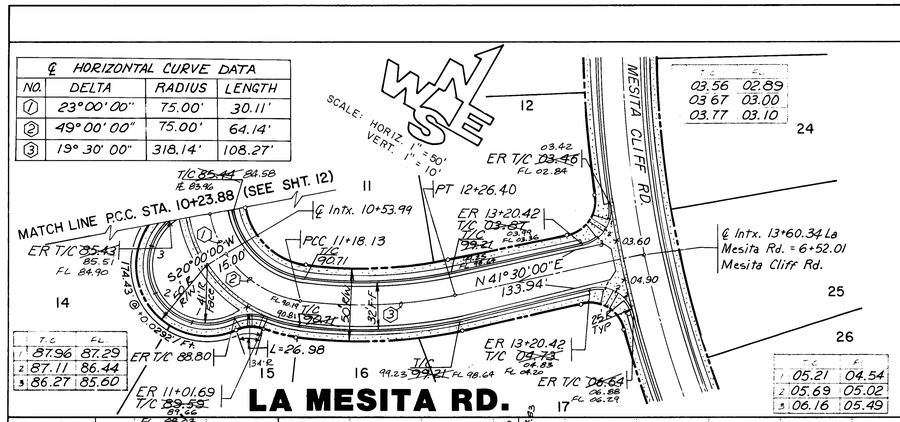
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **VISTA DEL MUNDO**
PINNACLE VIEW DR. & TEJANA MESA PL.
STREET PAVING PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	7/18/84	Liquid Waste	R. Peña	7/18/84
A C E - Design	[signature]	7/18/84	Traffic	[signature]	7/18/84
A C E - Hydrology	B. J. Lockhart	7/18/84	Water	R. Peña	7/18/84

DRAWING NO.	MAP NO.	SHEET	OF
2133	J-23	13	20

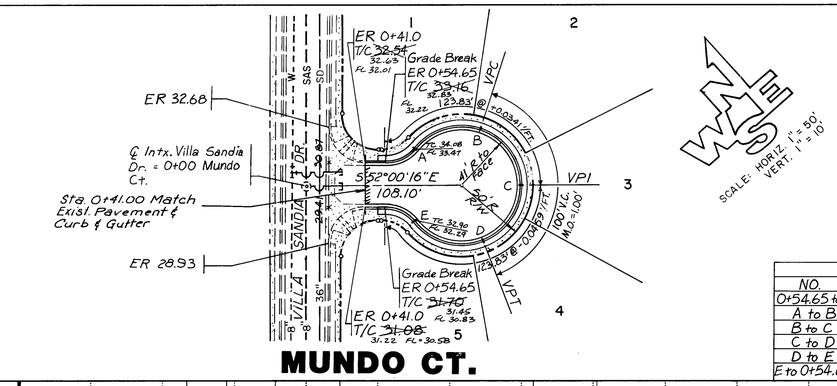
℄ HORIZONTAL CURVE DATA			
NO.	DELTA	RADIUS	LENGTH
1	23°00'00"	75.00'	30.11'
2	49°00'00"	75.00'	64.14'
3	19°30'00"	318.14'	108.27'



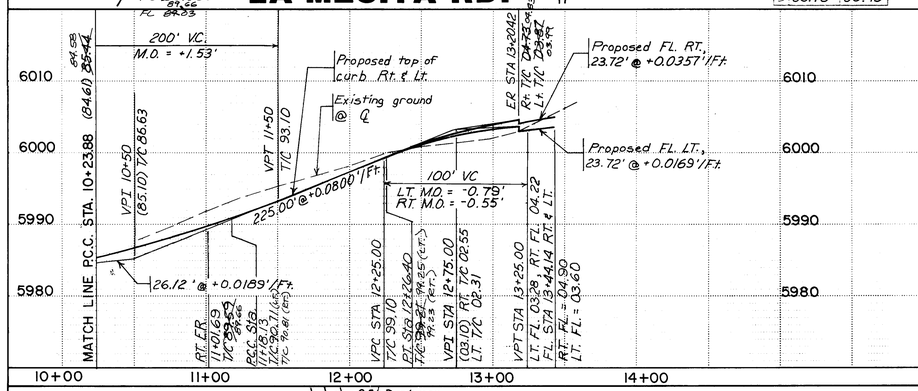
T.C.	F.L.
03.56	02.89
03.67	03.00
03.77	03.10

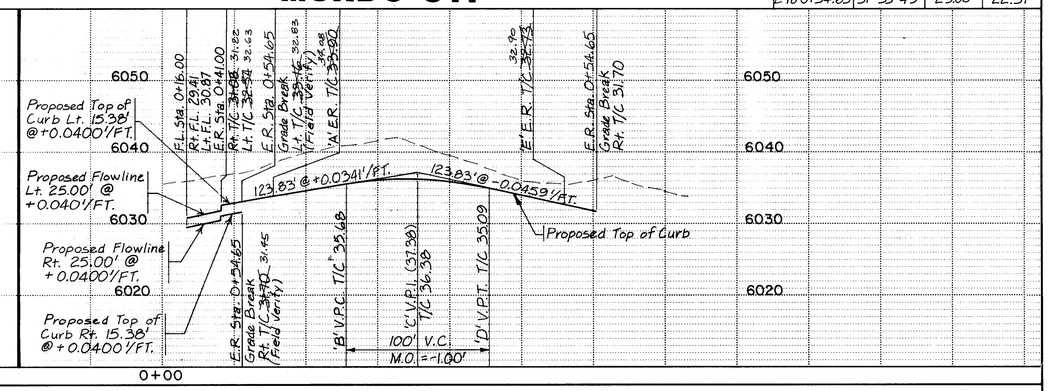
T.C.	F.L.
1 87.96	87.29
2 87.11	86.44
3 86.27	85.60

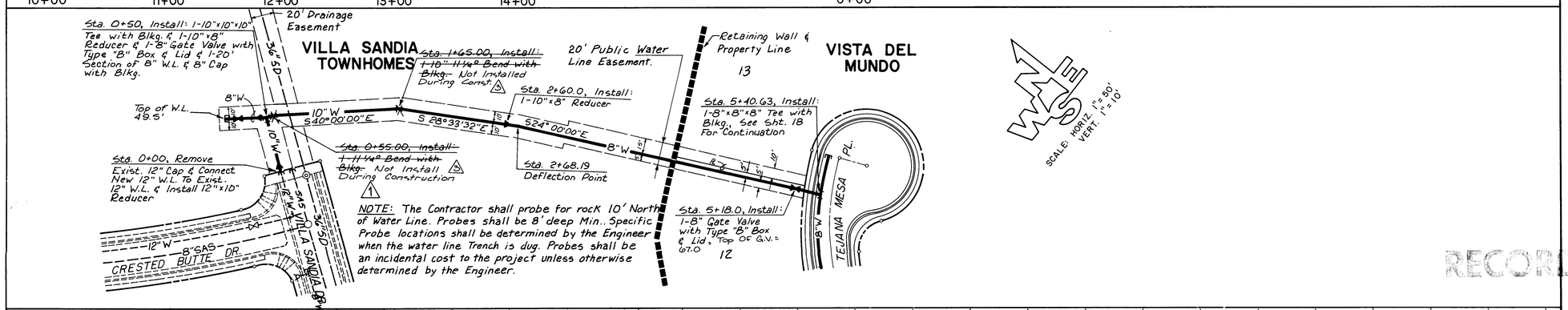
T.C.	F.L.
1 05.21	04.54
2 05.69	05.02
3 06.16	05.49



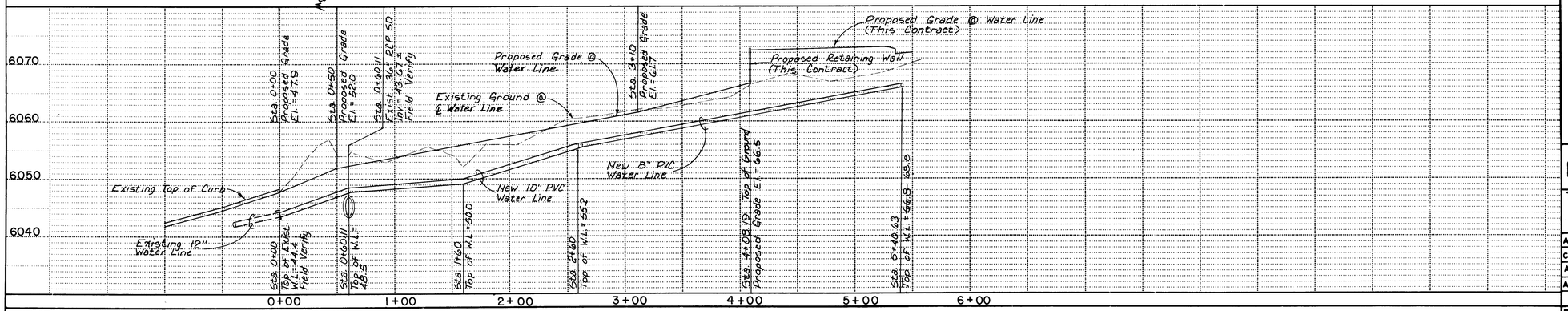
CURVE DATA			
NO.	Δ	R	L
0+54.65 to A	51° 35' 43"	25.00'	22.51'
A to B	71° 43' 21"	41.00'	51.32'
B to C	69° 52' 22"	41.00'	50.00'
C to D	69° 52' 23"	41.00'	50.00'
D to E	71° 43' 20"	41.00'	51.32'
E to 0+54.65	51° 35' 43"	25.00'	22.51'







NOTE: The Contractor shall probe for rock 10' North of Water Line. Probes shall be 8' deep Min.. Specific Probe locations shall be determined by the Engineer when the water line Trench is dug. Probes shall be an incidental cost to the project unless otherwise determined by the Engineer.



RECORD DRAWING

AS BUILT INFORMATION	
CONTRACTOR	CRISTCONTRACTING
WORK STAKED BY	GREINER DATE 1985
INSPECTED BY	DATE
ACCEPTANCE BY	CITY ESC DATE
FIELD VERIFICATION BY	GREINER DATE 8-85
DRAWINGS CORRECTED BY	GREINER DATE 10-85
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
1	8-20-84	Add Note (Probe For Rock)	RM
2	10-85	As BUILT, T/C & STREET WIDTHS	GEGI
3	11-5-85	As Built's - Per Ernest Vallejos - City	GGSI

DESIGN			
DESIGNED BY	RM & LJ	DATE	4-84
DRAWN BY	BC & JW	DATE	4-84
CHECKED BY	MH	DATE	4-84

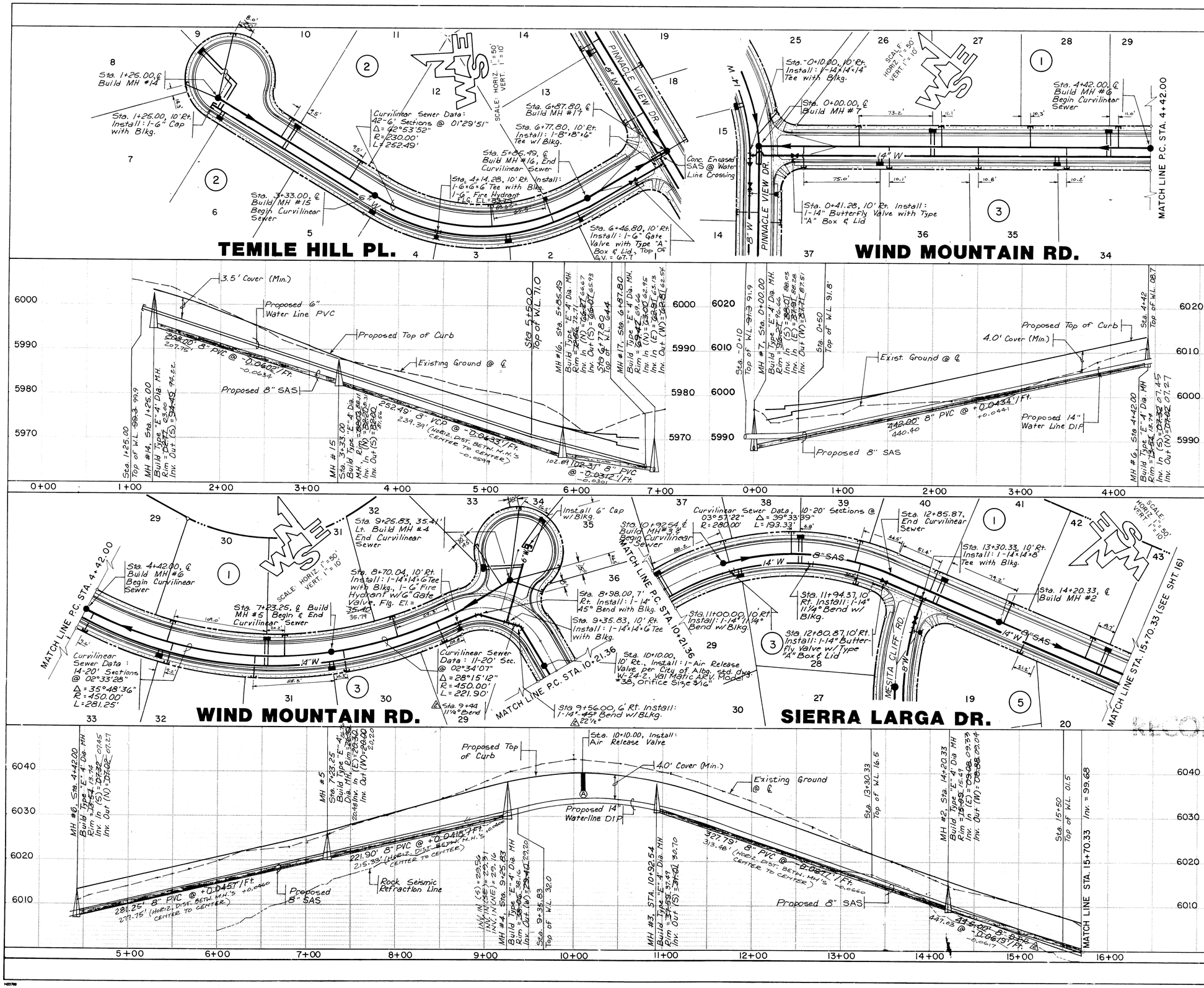
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
LA MESITA RD. & MUNDO CT.
STREET PAVING PLAN & PROFILE,
ZONE 10E WATER LINE EXTENSION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.H. Dhuyvetter	9/20/84	Liquid Waste	R. Fara	7/18/84
A.C.E.-Design	H.E. Shea	9/20/84	Traffic	David W. Harmon	7/18/84
A.C.E.-Hydrology	B.J. Analatu	7/18/84	Water	R. Fara	7/18/84

DRAWING NO.	MAP NO.	SHEET	OF
2133	J-23	14	20

S13



Notes:
1. Sanitary Sewer Line Service Stub-Outs For Block 3, Lots 1 to 7 & Block 2, Lots 1 & 5 Shall be Provided by Bohannan-Huston Inc., Embudo Hills Infrastructure. Phase I Plans. City Job No. 2007.

TEMILE HILL PL. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
2	8	1+25.0	95.7	43'
2	9	1+25.0	96.8 ~~96.3~~	73'
2	10	2+06.0	91.6 ~~91.7~~	25'
2	11	2+99.0	86.0 ~~86.2~~	25'
2	12	4+70.0	75.4 ~~75.5~~	25'

WIND MOUNTAIN RD. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
3	37	0+50.2	91.9 ~~92.8~~	25'
1	26	1+13.0	94.6 ~~94.9~~	25'
3	36	1+45.2	95.5 ~~96.4~~	25'
1	27	2+06.2	96.3 ~~96.9~~	25'
3	35	2+46.3	00.1 ~~01.1~~	25'
1	28	3+06.2	02.7 ~~03.2~~	25'
3	34	3+47.2	04.4 ~~05.6~~	25'
1	29	4+06.2	07.0 ~~07.5~~	25'
3	33	4+56.2	09.1 ~~10.5~~	25'
1	30	5+39.0	13.2 ~~13.7~~	25'
3	32	5+47.6	13.4 ~~14.6~~	25'
3	31	6+42.5	17.6 ~~18.8~~	25'
1	31	6+74.0	19.5 ~~19.8~~	25'
3	30	7+42.2	22.1 ~~23.8~~	25'
1	32	8+04.0	23.1 ~~25.6~~	25'
3	29	8+51.3	27.6	25'
1	33	9+21.3	31.7	56'
1	34	9+25.83	31.3	84'
1	35	9+25.83	30.8	59'
1	36	9+25.83	30.4	40'

SIERRA LARGA DR. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
1	37	10+98.0	32.6	25'
1	38	11+70.5	27.8	25'
1	39	12+45.0	22.8	25'
3	28	12+48.0	23.4 ~~23.7~~	25'
1	40	13+35.0	16.8	25'
1	41	14+25.0	10.8 ~~10.6~~	25'
5	19	14+54.0	09.3 ~~09.3~~	25'
1	42	15+25.0	04.5 ~~04.5~~	25'

AS BUILT INFORMATION
CONTRACTOR: CONST. CONTRACTING & MANAGEMENT INC. DATE 1985
WORK STAKED BY: GREINER
INSPECTOR'S ACCEPTANCE BY: CITY & ASC DATE 8-85
FIELD VERIFICATION BY: GREINER DATE 10-85
CORRECTIONS MADE BY: GREINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. = 6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO	DATE	REMARKS	BY
1	11-5-85	As-Builts Per Errant Valleys (City, CES)	
2	10-25	As-Built Water And Sewer Lines	CES

REVISIONS

DESIGN		DATE
C.E. SIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

26 21331586

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

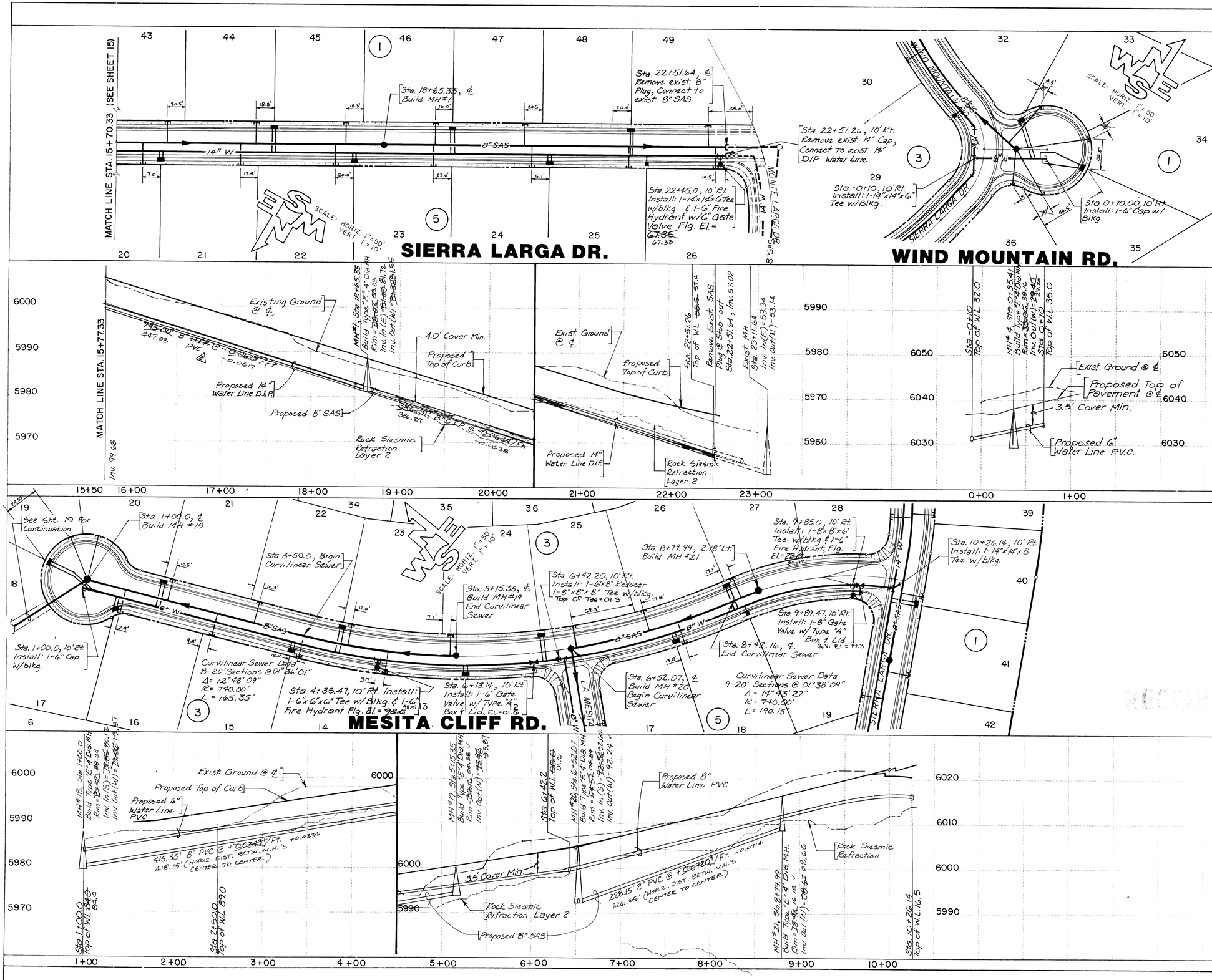
TITLE: VISTA DEL MUNDO
TEMILE HILL PL., WIND MT. RD. & SIERRA LARGA DR.
STREET UTILITY PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. H. Dwyer	7/18/84	Liquid Waste	R. Peña	7/18/84
A.C.E.-Design	[illegible]	7/10/84	Traffic	NB Dwn	7/13/84
A.C.E.-Hydrology	N.A.	7/18/84	Water	K. Peña	7/18/84

DRAWING NO.	MAP NO.	SHEET	OF
2133	J-23	15	20

RECORD DRAWING

FE\S



SIERRA LARGA DR. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
5	20	16+00.0	99.9 ~~100.3~~	25'
1	43	16+25.0	98.8 ~~98.8~~	25'
5	21	17+08.5	93.1 ~~93.7~~	25'
1	44	17+25.0	92.6 ~~92.7~~	25'
5	22	18+17.5	87.2	25'
1	45	18+25.0	86.8	25'
5	23	19+25.0	80.8	25'
1	46	19+27.0	77.8	25'
1	47	20+25.0	73.4	25'
5	24	20+35.5	73.7	25'
1	48	21+00.0	66.8	25'
5	25	21+45.0	66.0	25'
1	49	22+33.0	60.3	25'
5	26	22+41.5	62.5	25'

MESITA CLIFF RD. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
3	19	1+00.0	81.7 ~~81.5~~	50'
3	20	1+00.0	82.2 ~~81.5~~	50'
3	16	1+47.00	83.1 ~~83.2~~	28'
3	21	1+90.0	84.9 ~~84.9~~	25'
3	15	2+49.0	86.7 ~~86.9~~	25'
3	22	2+90.0	88.3 ~~88.3~~	25'
3	14	3+49.0	90.2 ~~90.3~~	25'
3	23	3+97.5	92.0 ~~92.0~~	25'
3	13	4+45.5	93.4 ~~93.3~~	25'
3	24	5+07.5	95.1 ~~95.7~~	25'
3	25	6+55.0	94.8	25'
3	26	7+37.5	00.6	25'
5	18	7+77.5	03.4	25'
3	27	8+51.5	08.7	27'

BENCH MARKS

Top of header curb at southwest corner of Sandia Manor pump station. Elev. = 6011.62

AS BUILT INFORMATION

CONTRACTOR CONST. CONTRACTING & MANAGEMENT INC.
STAKED BY GREINER DATE ABC
INSPECTOR'S ACCEPTANCE BY CMT & ASC DATE 8-85
FIELD VERIFICATION BY GREINER DATE 10-85
CORRECTED BY GREINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE
1620	T. Aldrich	6/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
2	11-5-85	As-Built, Per Ernest Vallejos - City	GCS
1	10-85	As-Built Water & Sanitary Sewer	GCS

REVISIONS

DESIGN		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JN	4-84
CHECKED BY	MH	4-84

RECORD DRAWINGS

26 21331686

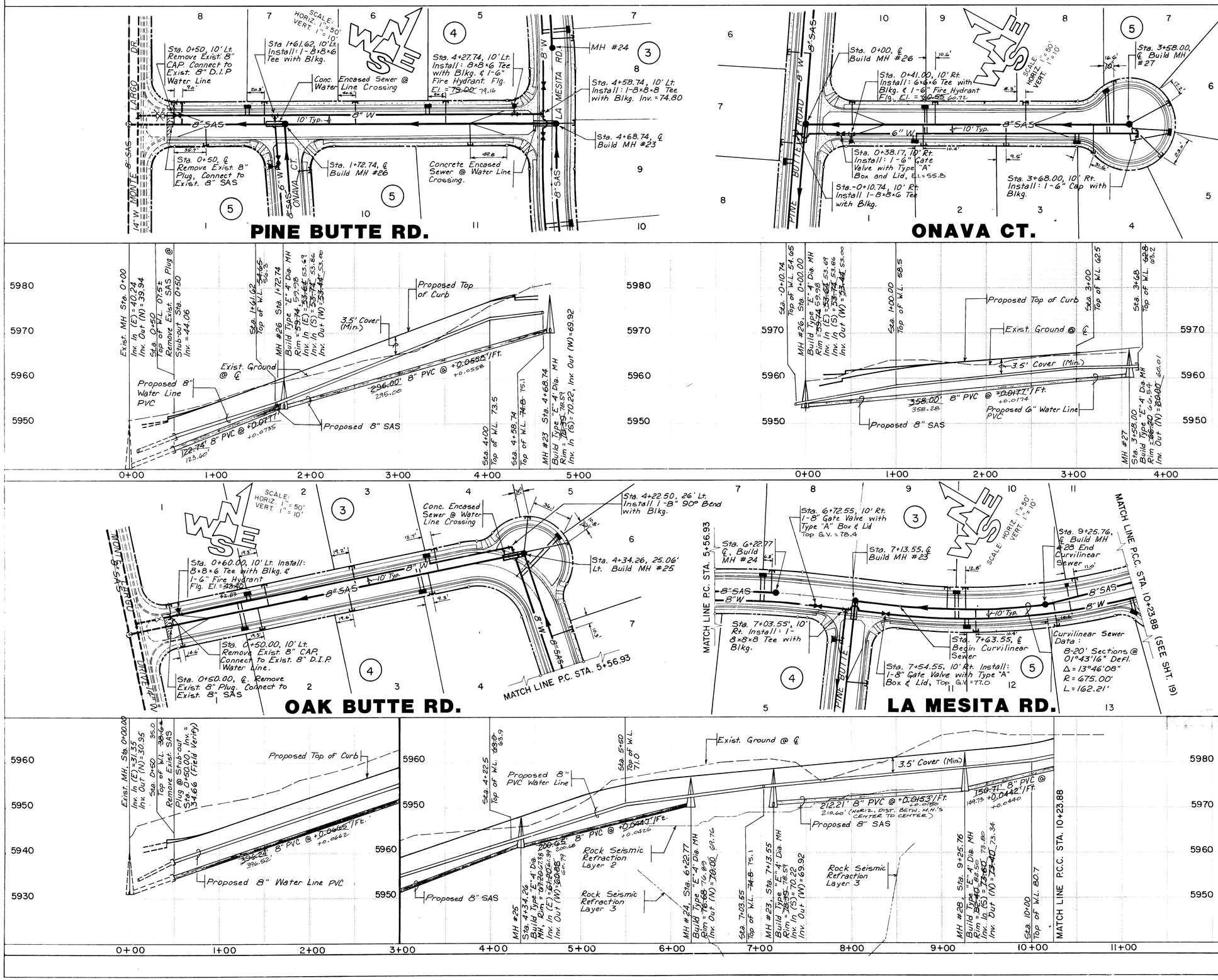
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
SIERRA LARGA DR., WIND MT. RD. & MESITA CLIFF RD.
STREET UTILITY PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R.D. Hunger	7/18/84	Liquid Waste	R. Hess	7/18/84
A C E - Design	A.C. Lee	7/20/84	Traffic	N.A. Duff	7/18/84
A C E - Hydrology	N.A. Duff	7/18/84	Water	R. Hess	7/18/84

DRAWING NO. 2133 MAP NO. J-23 SHEET 16 OF 20

S133



PINE BUTTE RD. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
4	8	0+50.0	49.6 ~~45.6~~	25'
5	1	0+86.0	48.2 ~~48.5~~	25'
4	7	1+50.0	53.2 ~~53.4~~	25'
4	6	2+50.0	59.8 ~~60.0~~	25'
4	5	3+50.0	65.2 ~~65.5~~	25'
5	11	3+79.0	67.0 ~~67.1~~	25'

ONAVA CT. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
5	10	0+54.0	56.6 ~~56.7~~	25'
5	2	1+31.5	57.5 ~~57.7~~	25'
5	9	1+43.7	58.2 ~~58.3~~	25'
5	3	2+21.5	59.4 ~~59.6~~	25'
5	8	2+43.7	60.0	25'
5	4	3+18.0	60.5 ~~61.0~~	30'
5	7	3+39.0	62.2	48'
5	6	3+58.0	61.4 ~~61.2~~	50'
5	5	3+58.0	61.5 ~~61.2~~	50'

OAK BUTTE RD. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
3	1	0+50.0	36.7 ~~36.7~~	25'
4	1	0+55.0	37.1 ~~37.0~~	25'
4	2	1+47.0	43.2 ~~43.1~~	25'
3	2	1+57.0	43.7 ~~43.8~~	25'
4	3	2+47.0	49.9 ~~49.7~~	25'
3	3	2+57.0	50.2 ~~50.4~~	25'
4	4	3+37.0	55.2 ~~55.7~~	25'
3	4	3+50.0	56.3 ~~56.6~~	25'
3	5	4+34.26	62.1 ~~62.0~~	40'
3	6	4+34.26	63.1 ~~62.2~~	50'

LA MESITA RD. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
3	7	5+20.5	67.1 ~~67.3~~	25'
3	8	6+15.7	71.1 ~~71.2~~	25'
3	9	8+05.0	73.7	25'
3	10	8+25.2	73.9	25'
5	12	8+48.1	74.3	25'
5	13	9+35.4	76.1	27'
3	11	9+62.4	78.8 ~~77.1~~	21'

AS BUILT INFORMATION
CONTRACTOR SANTA FE CONTRACTING & DEVELOPMENT CORP.
WORK STAKED BY GREENER DATE ABS
ACCEPTANCE BY CITY ENGR. DATE 6-85
FIELD VERIFICATION BY GREENER DATE 6-85
DRAWINGS CORRECTED BY GREENER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	6/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO	DATE	REMARKS	BY
1	10-85	As-Built Water & Sanitary Sewer (ACS)	

REVISIONS

DESIGN		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

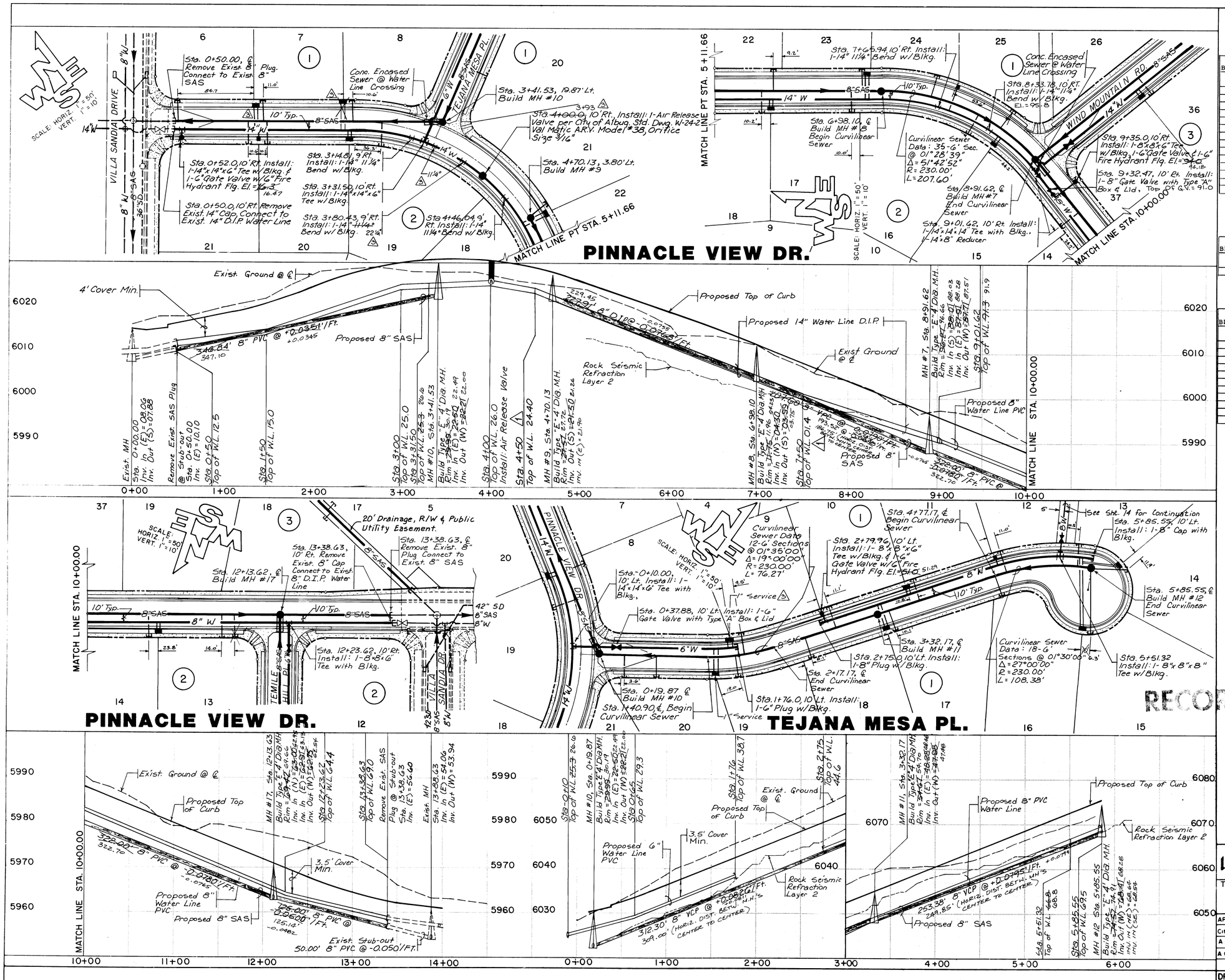
26 21331786

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
PINE BUTTE RD., ONAVA CT., OAK BUTTE RD. & LA MESITA RD.
STREET UTILITY PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.H. Ellingwood	9/27/84	Liquid Waste	R Peña	7/18/84
A C E - Design	H Ulua	9/20/84	Traffic	N.A. Duff	7/18/84
A C E - Hydrology	N.A. Sq.A.	7/18/84	Water	R Peña	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 17 OF 20



PINNACLE VIEW DR. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
1	6	0+50.0	12.0 ~~12.1~~	25'
2	21	1+30.0	15.6 ~~15.8~~	25'
1	7	1+45.0	15.8 ~~16.0~~	25'
2	20	1+50.0	15.6 ~~15.6~~	25'
1	8	2+45.0	19.6 ~~20.1~~	25'
2	19	2+83.0	21.3 ~~21.7~~	27'
1	21	4+70.13	23.9 ~~22.1~~	27'
2	18	5+61.7	16.3 ~~16.6~~	25'
1	22	5+74.4	15.5 ~~15.7~~	25'
2	17	6+61.7	08.9 ~~09.1~~	25'
1	23	6+74.4	08.7 ~~08.1~~	25'
1	24	7+52.0	01.6 ~~01.5~~	25'
2	16	7+96.1	99.5 ~~99.6~~	25'
1	25	8+25.0	95.8 ~~95.5~~	25'
2	15	9+54.6	85.8 ~~84.8~~	25'

PINNACLE VIEW DR. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
2	14	10+54.6	76.9 ~~77.2~~	25'
2	13	11+49.5	69.8 ~~69.9~~	25'

TEJANA MESA PL. SEWER SERVICES

BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
1	20	0+85.0	29.7 ~~29.8~~	25'
1	19	1+73.0	37.3 ~~37.0~~	25'
1	9	1+80.5	37.4 ~~37.6~~	25'
1	18	2+52.5	43.5	25'
1	10	2+90.0	47.1 ~~47.0~~	25'
1	17	3+52.5	51.8 ~~51.9~~	25'
1	11	3+90.0	53.8 ~~54.9~~	25'
1	16	4+77.0	61.8 ~~61.8~~	25'
1	12	4+91.0	62.1 ~~63.3~~	25'
1	13	5+71.0	69.5 ~~69.7~~	25'
1	15	5+85.55	68.7 ~~69.3~~	44'
1	14	5+85.55	70.1 ~~70.0~~	74'

AS BUILT INFORMATION
CONTRACTOR: CONST. CONTRACTING & MAINTENANCE INC.
WORK STAKED BY: GREINER DATE: 1985
AS-BUILTED BY: CITY & ASC. DATE:
FIELD VERIFIED BY: GREINER DATE: 8-85
DRAWINGS CORRECTED BY: GREINER DATE: 10-85
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO:

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. = 6011.62

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO	DATE	REMARKS	BY
1	11-5-85	As-Built Per Ernest Vallejos, City	LEM
2	10-85	As-Built Water & Sanitary Sewer	LEM
3	8.20.84	Raise W.L. from Sta. 4+00 to Sta. 7+50	LJ

REVISIONS

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	EC & JW	4-84
CHECKED BY	MH	4-84

DESIGN

26 21331888

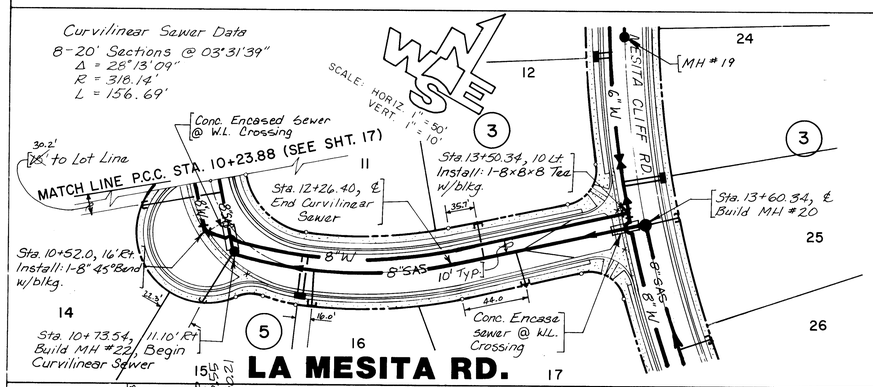
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

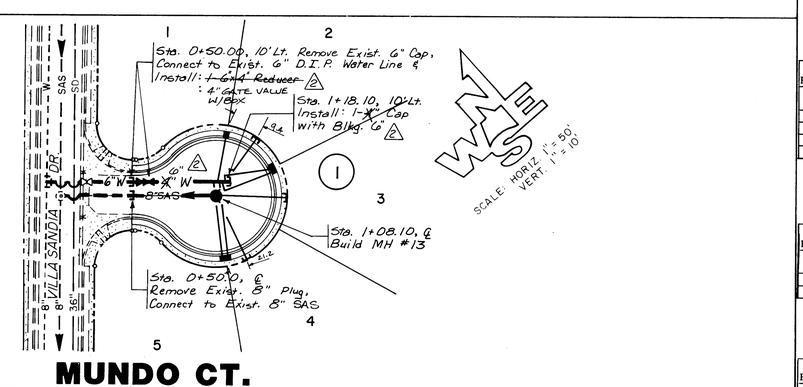
TITLE: VISTA DEL MUNDO
PINNACLE VIEW DR. & TEJANA MESA PL.
STREET UTILITY PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	7/18/84	Liquid Waste	R. Leña	7/18/84
A C E - Design	[illegible]	7/18/84	Traffic	N.A. Duff	7/18/84
A C E - Hydrology	N.A. Duff	7/18/84	Water	R. Leña	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 18 OF 20

S13





LA MESITA RD. SEWER SERVICES

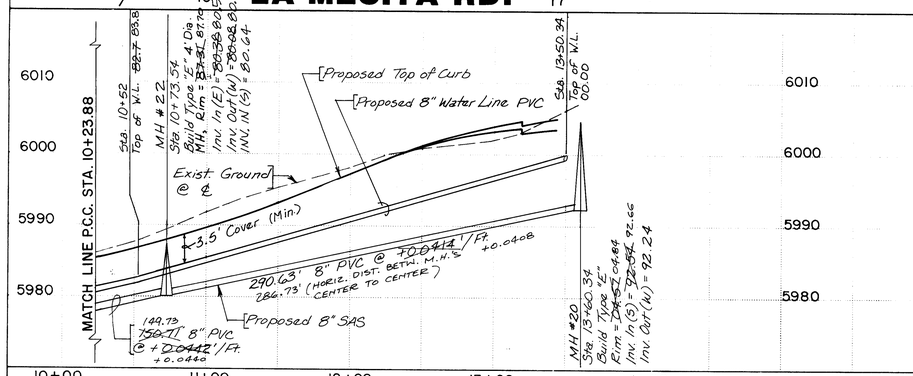
BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
5	14	10+32.3	80.8 ~~80.8~~	55'
5	15	10+73.54	81.9 ~~81.9~~	41'
5	16	11+27.4	84.7	25'
3	12	12+62.0	94.5 ~~98.2~~	25'
5	17	12+72.0	90.6	25'

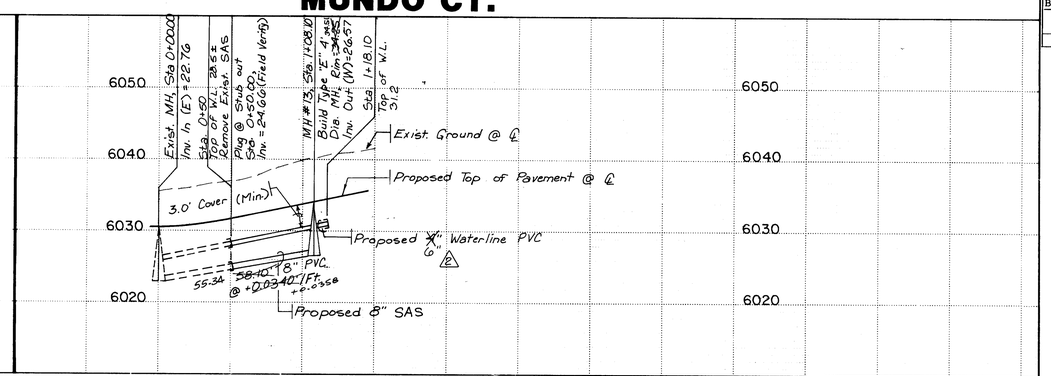
MUNDO CT. SEWER SERVICES

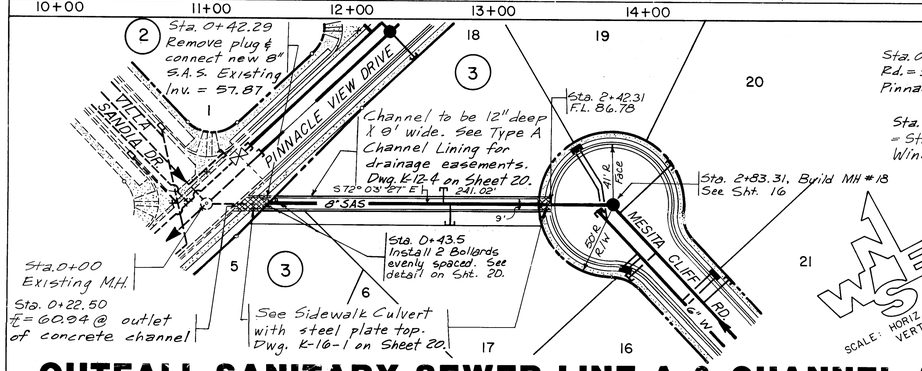
BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
1	2	1+08.1	29.5 ~~27.7~~	50'
1	3	1+08.1	29.1 ~~27.7~~	50'
1	4	1+08.1	28.8 ~~27.7~~	50'

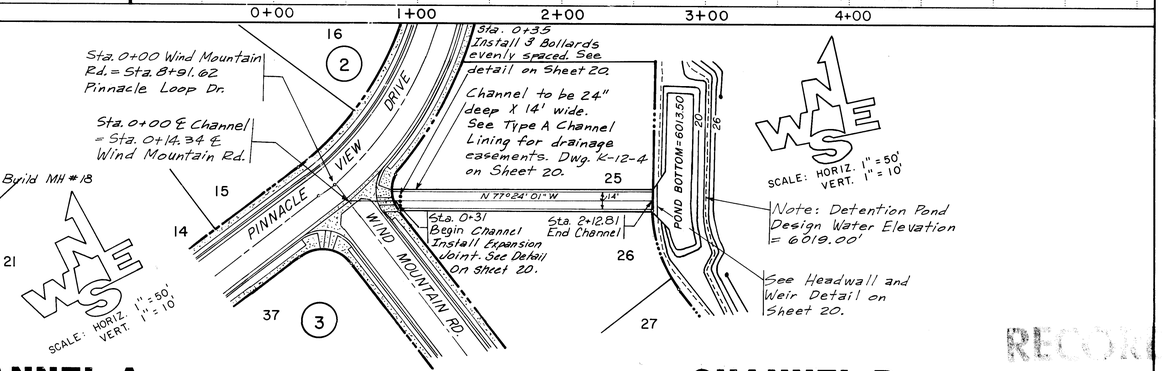
OUTFALL LINE A SEWER SERVICES

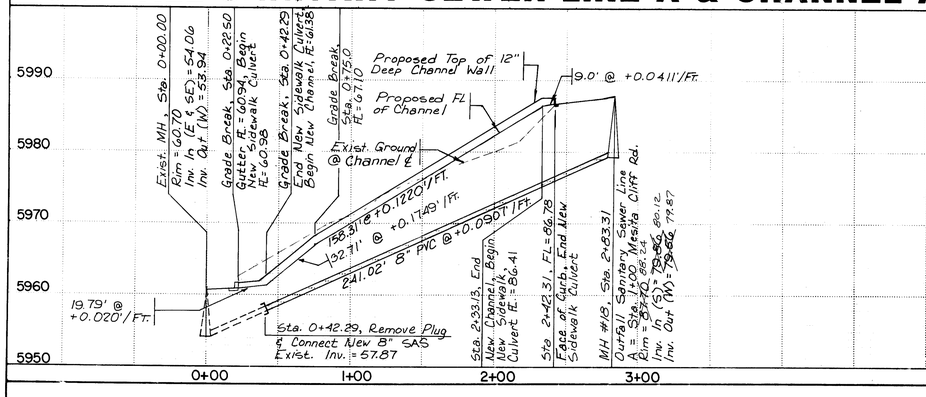
BLK.	LOT	STATION	INVERT @ P.L.	LENGTH
3	18	1+65.0	70.5	10'
3	17	1+70.0	71.0	15'

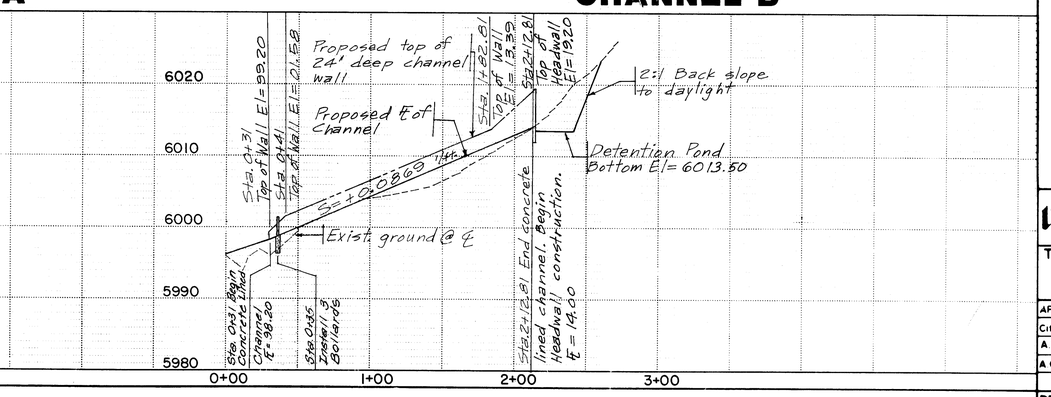












RECORD DRAWING

26 21331986

AS BUILT INFORMATION
CONTRACTOR CONST. CONTRACTING & MANAGEMENT INC.
WORK STAKED BY GREINER DATE 7-86
INSPECTORS NAME & INITIALS BY CTY & ASC DATE 8-85
FIELD VERIFICATION BY GREINER DATE 10-85
DRAWINGS CORRECTED BY GREINER DATE 10-85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	11-5-85	As-Builts Per Ernest Vallejos C.O. #1	JES
2	10-85	As-Built Water And Sewer	JES

REVISIONS

DESIGN		
DESIGNED BY	RM & LJ	DATE 4-84
DRAWN BY	BC & JN	DATE 4-84
CHECKED BY	MH	DATE 4-84

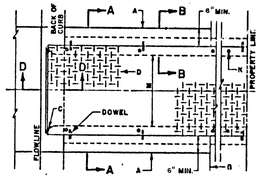
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA DEL MUNDO
LA MESITA RD. & MUNDO CT.
STREET UTILITY PLAN & PROFILE

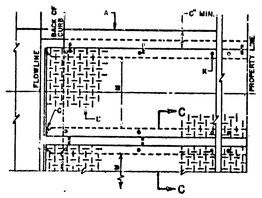
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	9/25/84	Liquid Waste	R. Tena	7/18/84
A.C.E. - Design	[illegible]	9/26/84	Traffic	N.A. Duell	7/18/84
A.C.E. - Hydrology	[illegible]	7/18/84	Water	R. Tena	7/18/84

DRAWING NO.	MAP NO.	SHEET	OF
2133	J-23	19	20

5.33



PLAN
SINGLE CULVERT



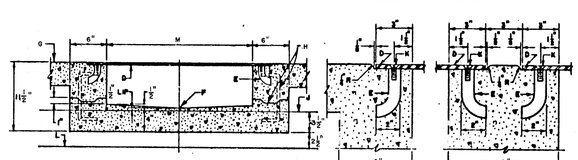
PLAN
MULTIPLE CULVERT

GENERAL NOTES:

1. Placement of drain thru inlet, sidewalk, curb and gutter will require removal and replacement of entire blocks of sidewalk, curb and gutter as detailed herein.
2. Bottom slab of culvert shall be poured monolithically with new gutter.
3. The invert shall be troweled and reinvoiled to produce a hard polished surface of max. density and smoothness. "V" invert shall be v-shaped to within 3" of the outlet and extend from this point to outlet. Invert of outlet shall parallel gutter flowline unless otherwise shown on plans.
4. Surface of all exposed concrete shall match the grad color, finish and scoring of adjacent curb and sidewalk.
5. Sidewalk replaced during construction shall be poured monolithically with culvert walls.
6. Stainless steel rod anchors drilled and tapped for flat-head machine screws, spaced 24" o.c. max. and a min. of 2 per side per plate. There shall be no anchor within 6" of each end. Anchors shall be attached to the plate and the plate secured in place prior to pouring the wa
7. The culvert steel top plate shall be set perpendicular to the walls unless otherwise specified. Lengths shall be such that the weight per plate does not exceed 300 lbs It shall be stressed relieved after fabrication. After cleaning surface of scale, rust, etc., the plate and framing members shall be painted with one shop coat red oxide and two finish coats of aluminum paint (AASHO M29).
8. Joint and Dowels optional. Dowels spaced 24" o.c. max., 1 ½ min. clearance from face of concrete, may be inclined if necessary.
9. The City does not accept responsibility for maintenance for any drain lines installed by or for private property owners.

CONSTRUCTION NOTES:

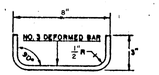
A. JOIN NEAREST SCORE LINE OR WEAKENED PLANE JOINT, PLACE ½ EXPANSION JOINT MATERIAL.
B. SIDEWALK OR SETBACK, (VARIABLE).
C. 3" RADIUS, (TYPICAL).
D. ¼ CHECKERED STEEL PLATE CULVERT TOP
E. ADD ANCHOR 1" x 8"
F. "V" INVERT.
G. SIDEWALK GRADE.
H. DOWEL AND JOINT, (OPTIONAL).
J. GUTTER FLOWLINE ELEV.
K. ½" x 1" FH. C'SUNK STAINLESS STL. MACHINE SCREW
L. BOTTOM OF GUTTER.
M. DRAIN WIDTH, 24" MAX. 12" MIN.
N. SLOPE ¼" PER FT. MIN.



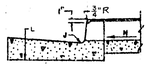
SECTION A-A

SECTION B-B

SECTION C-C

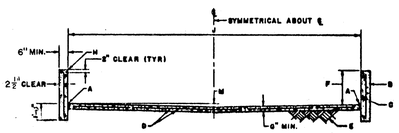


DOWEL DETAIL

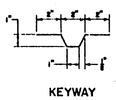


SECTION D-D

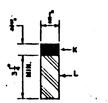
REVISIONS	CITY OF ALBUQUERQUE
FEB-10-88	DRAINAGE SIDEWALK CULVERT WITH STEEL PLATE TOP DWG. K-16-1 JAN. 1981



TYPE A



KEYWAY DETAIL



EXPANSION JOINT DETAIL

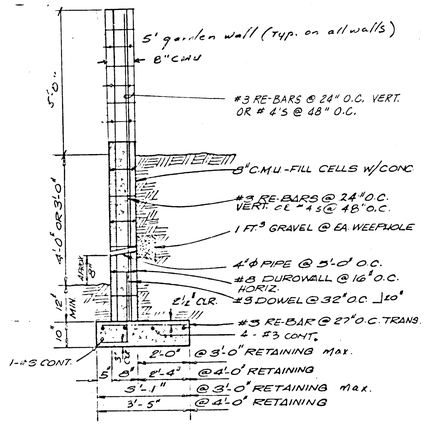
GENERAL NOTES:

1. CHANNEL DEPTHS EXCEEDING 2'-0" WILL REQUIRE SEPARATE DESIGN FOR FLOOR AND WALLS.
2. TYPE B LINING WILL BE USED ONLY WHERE NO UTILITIES ARE LOCATED OR PROPOSED.
3. UP TO 16'-0" WIDTH USE 4" INVERTED CROWN, 18'-0" WIDTH AND OVER USE 6" INVERTED CROWN.
4. WARNING: THESE WALLS ARE NOT DESIGNED TO SUPPORT THE ADDITION OF GARDEN OR RETAINING TYPE OF WALLS. A SEPARATE DESIGN WILL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL.
5. THE OUTSIDE OF DRAINAGE WALLS SHALL NOT EXTEND BEYOND EASEMENT LINES OR RIGHT-OF WAY LINES.
6. WIDTH OF CHANNEL TO BE SPECIFIED BY THE SIT ENGINEER, BUT IN NO CASE IS THE WIDTH TO BE LESS THAN 6'-0", WHENEVER THE LENGTH OF THE DRAINAGE EASEMENT EXCEEDS 870' THE MIN. WIDTH SHALL BE 10'-0".

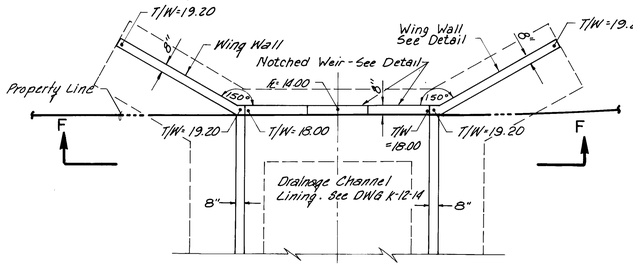
CONSTRUCTION NOTES:

A. ½" EXPANSION JOINT, SEE DETAIL BELOW.
B. NO. 4 REBARS AT 1'-0" O.C.
C. NO. 4 REBARS AT 1'-0" O.C.
D. NO. 4 REBARS AT 1'-0" O.C. BOTH WAYS.
E. 6" COMPACTED SOIL 95% PER ASTM D 1557.
F. AS SPECIFIED FOR 6" WALLS SEE NOTE NO. 1
G. ALL NO. 4 REBARS AT 1'-0" O.C.
H. 6" CONC. BLOCK WITH CORES FILLED WITH CONC. AND NO. 4 REBARS INSERTED INTO CORES AT 1'-0" O.C., MAY BE SUBSTITUTED FOR FORMED CONC. WALLS.
J. WIDTH OF CHANNEL.
K. TWO COMPONENT URETHANE SEALANT.
L. POLYETHYLENE FOAM FILLER TO DEPTH OF SLAB.
M. SEE NOTE NO. 3.
N. KEYED CONSTRUCTION JOINT. SEE DETAIL BELOW.

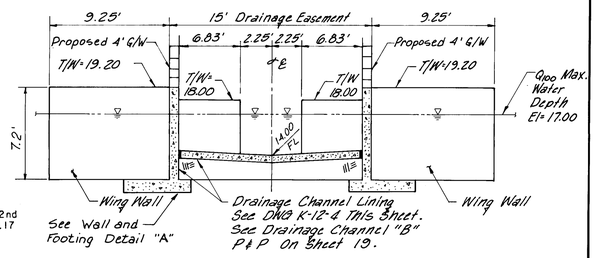
REVISIONS	CITY OF ALBUQUERQUE
6-20-83 8-4-83 11-1-83	DRAINAGE TYPICAL LINING FOR DRAINAGE EASEMENTS DWG. K-12-4 NOV 1977



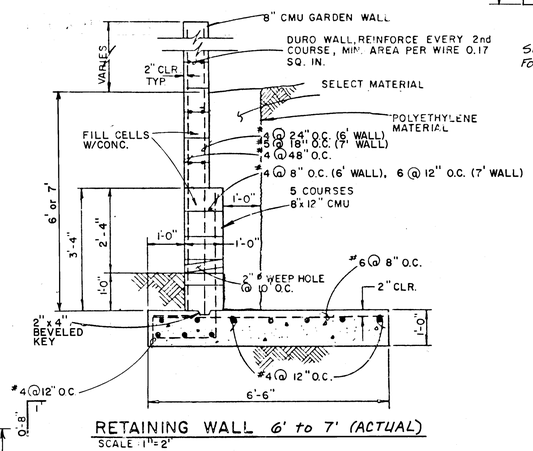
RETAINING WALL 2' to 4' (ACTUAL)



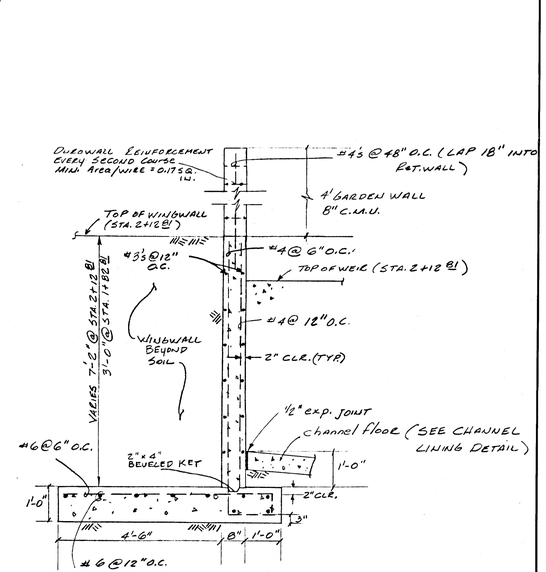
PLAN



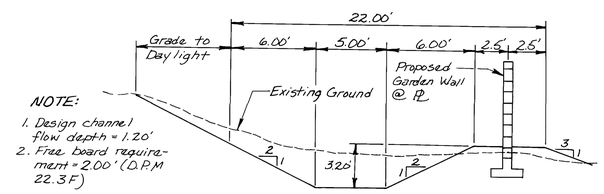
SECTION F-F
WEIR DETAILS
N.T.S.



RETAINING WALL 6' to 7' (ACTUAL)
SCALE 1"=2"

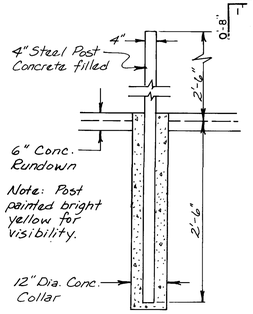


WEIR, WINGWALL & RET. WALL DETAIL "A"
(FROM STA. 2+12 BL TO 1+82 BL)
Scale 1"=2'-0"

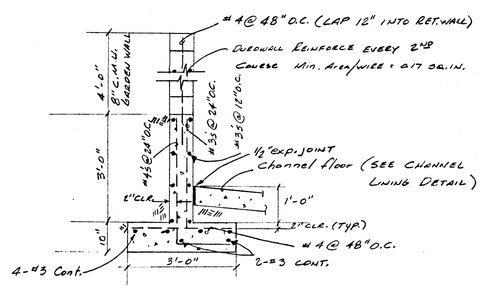


NOTE:
1. Design channel flow depth = 1.20'
2. Free board requirement = 2.00' (Q.P.M 22.3F)

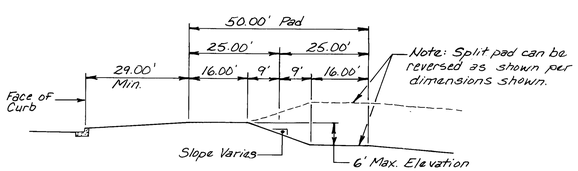
CONTOUR BERM AND CHANNEL
Scale: 1"=5'



BOLLARD DETAIL
Not to Scale



RET. WALL DETAIL
(FROM STA. 0+31 to 1+82 BL)
Scale 1"=2'-0"



SPLIT HOUSE PAD DETAIL
Scale: 1" = 20'

NOTES:
1. The house pad split detail shown delineates a pad split in a width direction.
2. A house pad split in a length direction shall maintain the same detailed split with a 6' maximum elevation difference & the slope may vary within the 18' difference.

NOTES:
1. ALL CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. USING 3/4" ϕ AGGREGATE & TYPE I PORTLAND CEMENT. ALL CONCRETE SHALL HAVE 5-7% AIR CONTENT AND A MAX. 4" SLUMP.
2. REBAR SHALL BE GRADE 40.
3. ALL MASONRY UNITS SHALL BE MANUFACTURED TO ASTM C-90.

NOTE:
1. Wing Wall, Weir Wall and Channel Wall to be Continuous. Footings and Wall to Have Same Geometry and Reinforcement as That of Detail "A" At Sta. 2+12.81

AS BUILT INFORMATION

CONTRACTOR		
STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS
Top of header curb at southwest corner of Sandia Manor pump station. Elev. =6011.62

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1620	T. Aldrich	8/83
1627	T. Aldrich	10/83
1628	G. Smith	10/83
1634	J. Freeks	12/83
1635	G. Smith	1/84
1636	G. Smith	1/84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	RM & LJ	4-84
DRAWN BY	BC & JW	4-84
CHECKED BY	MH	4-84

26 21332086

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **VISTA DEL MUNDO**
DETAIL SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/25/84	Liquid Waste	R. Peña	7/18/84
A.C.E. Design		9/20/84	Traffic	WRDWH	7/18/84
A.C.E.-Hydrology		7/18/84	Water	R. Peña	7/18/84

DRAWING NO. 2133 | MAP NO. J-23 | SHEET 20 OF 20

S133