

ARROYO CHAMISA
PHASE I
ALBUQUERQUE , NEW MEXICO

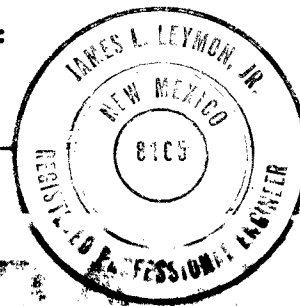
INDEX

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
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13	ARROYO CHAMISA ROAD		

The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

Prepared under the supervision of:

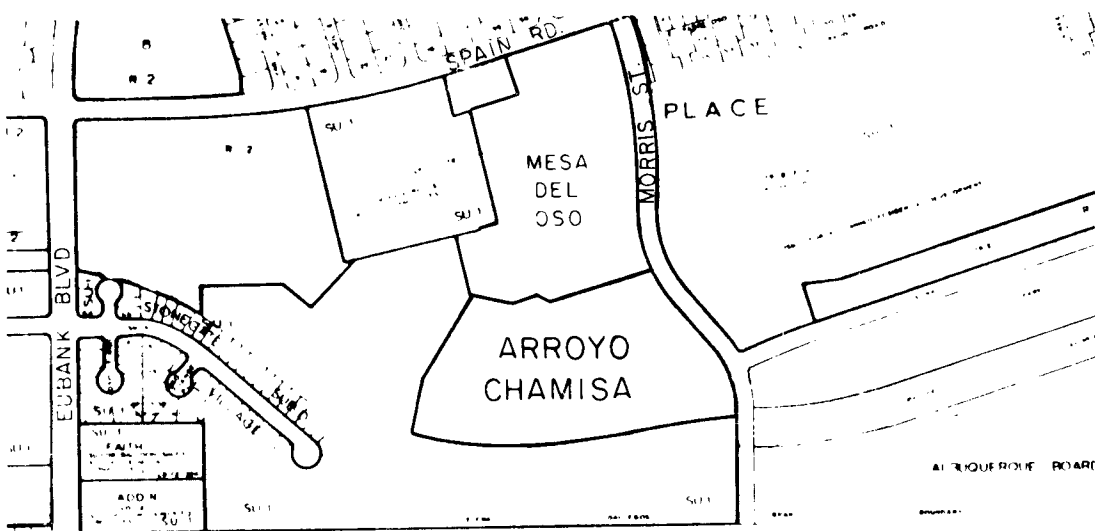
MSM/SP Group



RECORD BOOK

GENERAL NOTES:

1. All Sanitary sewer main lines are 8" (internal diameter) VCP with push-on type joints. All service lines are cast iron pipe and are 4" (internal diameter) unless otherwise noted.
2. All Sanitary sewer manholes are 4ft diameter and of precast type construction.
3. All water main lines are 6" (as shown) PVC class C900. All service lines are 3/4" polyethylene SDR 35 unless otherwise noted.



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION"
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 SPECIFICATION."
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING 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 A MINIMUM AMOUNT OF DELAY.

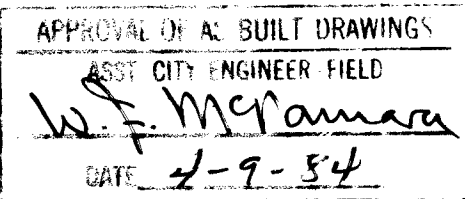
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED.

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COST 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 DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR

NOTE:

GRADES AND ALIGNMENT OF STREETS ARE INFORMATION ONLY.

THE CONSTRUCTION OF PRIVATE STREETS ARE NOT TO BE PART OF THIS CONTRACT.

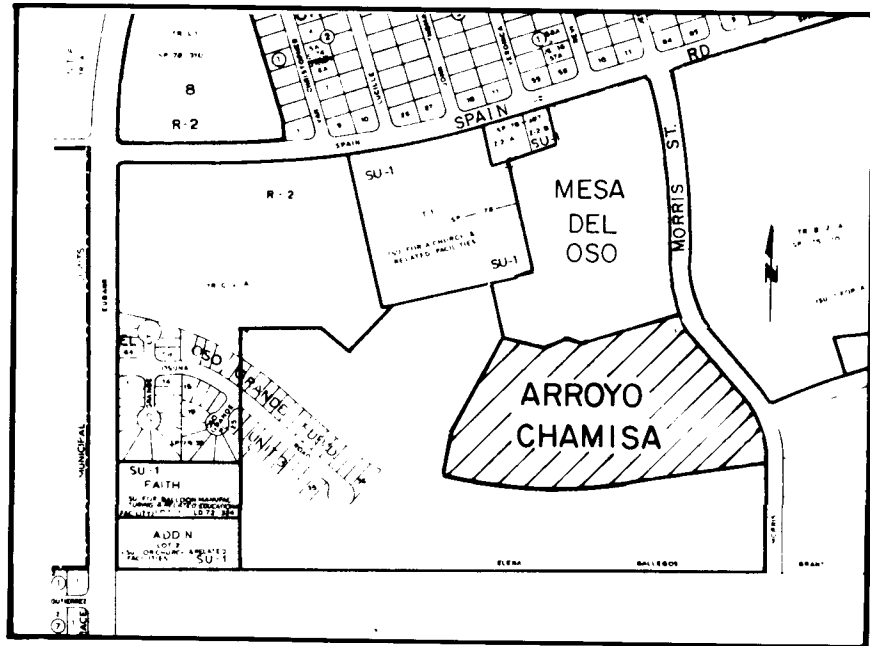


26. 1506, 10.184

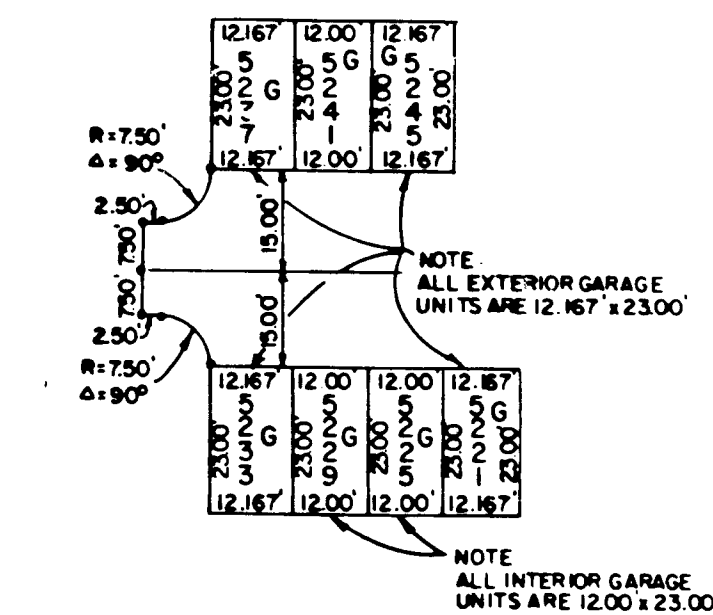
REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT	DATE	USER	DEPT	DATE
2	8-17		5-83						
1	13-18	Richard S. Hale	2-9-83	James L. Lechner	WRD				

APPROVAL OF REVISIONS

David M. Y. Makela 9-29-82		APPROVED FOR CONSTRUCTION
	BOHANNAN - HUSTON INC. ALBUQUERQUE SANTA FE EL PASO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	Richard S. Hale 12/7/82 C.E.
PROJECT NUMBER 1506		SHEET 1 OF 19



LOCATION MAP
ZONE ATLAS MAP NO. F-21



TYPICAL GARAGE UNITS
AND
TYPICAL END OF PRIVATE DRIVES
SCALE: 1" = 30'

SUBDIVISION DATA

- CASE NO.
- ZONE ATLAS INDEX NO. F-21
- GROSS SUBDIVISION ACREAGE: 13.8727 ACRES
- TOTAL NUMBER OF LOTS CREATED: 122 LOTS
- DATE OF SURVEY: APRIL 1982

NOTES

- BASIS OF BEARINGS, OSO GRANDE SUBDIVISION, FILED: DEC. 23, 1981.
- DISTANCES ARE GROUND DISTANCES.
- RETURN RADIUS ON THE END OF ALL PRIVATE DRIVES ARE 7.50' UNLESS OTHERWISE NOTED.
- ELEVATIONS ARE FIELD ELEVATIONS, CITY OF ALBUQUERQUE DATUM.
- LOT "B" IS COMMON AREA AND INCLUDES PARKING SPACES, THE PRIVATE ROADS AND DRIVES, AND THE GARAGES.
- LOT "B" WILL BE CONVEYED TO AND MAINTAINED BY A MANDATORY HOMEOWNERS ASSOCIATION SUBJECT TO LOT OWNERS' EXCLUSIVE EASEMENTS FOR THE USE OF THE GARAGES APPURTENANT TO THEIR LOTS.
- GARAGES ARE 12.00' X 23.00' AND 12.167' X 23.00' AND SHOWN: 5237 G
- THE GARAGES, A PORTION OF LOT "B" ARE NUMBERED AND IDENTIFIED ONLY FOR THE PURPOSE OF IDENTIFYING THE LOCATION OF AN EXCLUSIVE USE EASEMENT APPURTENANT TO THE RESIDENTIAL LOT HAVING THE SAME NUMBER.
- ALL INTERIOR ROADS AND DRIVES ARE PRIVATE ROADS AND DRIVES.
- ALL LOTS SHALL HAVE AN EASEMENT ACROSS LOT B FOR UTILITIES ACCESS AND STORM WATER CONVEYANCE EXCEPT THAT USE OF SUCH EASEMENT SHALL NOT INTERFERE WITH THE PLANNED USE OF LOT B FOR DRIVEWAYS, PARKING, SWIMMING POOL, SPECIAL LANDSCAPING AND SIMILAR USES.

DESCRIPTION

A tract of land situate within the Elena Gallegos Grant in Projected Section 33, T11N, R4E, N.M.P.M., and being Tract D-2 as the same is shown and designated on the plat of OSO GRANDE SUBDIVISION, filed in the office of the County Clerk of Bernalillo County, New Mexico, on December 23, 1981, and being more particularly described by plat bearings and ground distances as follows:

BEGINNING at the northwest corner of said Tract D-2, a Bohannon-Huston and Associates brass cap, said corner being also the southwest corner of MESA DEL OSO, filed in the office of the County Clerk of Bernalillo County, New Mexico, on July 28, 1982, and also a point on the easterly boundary of Tract E-2, as the same is shown and designated on the plat of said OSO GRANDE SUBDIVISION, whence the ACS Control Monument "10-G21" bears S22°42'06"E, 2558.01 feet and from said beginning point, leaving said easterly boundary, S83°30'00"E, 92.00 feet along the northerly boundary of said Tract D-2 and southerly boundary of said MESA DEL OSO, thence, N77°45'48"E, 140.00 feet to a point; thence, S70°30'00"E, 83.00 feet to a point; thence, N77°49'49"E, 325.23 feet to the northeast corner of said Tract D-2, said corner being also the southeast corner of said MESA DEL OSO, also a point on curve on the westerly right-of-way of Morris Street; thence continuing along the easterly boundary of said Tract D-2, and said westerly right-of-way, 127.47 feet along the arc of a curve to the left having a radius of 547.31 feet and a chord bearing S34°12'49"E, 127.18 feet to a point of tangency; thence, S40°53'09"E, 311.58 feet to a point of curvature; thence, 255.77 feet along the arc of a curve to the right having a radius of 366.80 feet and a chord bearing S20°20'59"E, 250.33 feet to the southeast corner of said Tract D-2, being also the northeast corner of Tract G of said OSO GRANDE SUBDIVISION, thence leaving said westerly right-of-way and continuing along the southerly boundary of said Tract D-2 and the northerly boundary of said Tract G, 548.28 feet along the arc of a curve to the left having a radius of 2773.78 feet and a chord bearing S84°28'56"W, 547.39 feet to a point of tangency; thence, S78°49'10"W, 265.45 feet to a point of curvature; thence, 469.26 feet along the arc of a curve to the right having a radius of 998.66 feet and a chord bearing N87°43'09"W, 464.96 feet to the southwest corner of said Tract D-2, being also the southeast corner of said Tract E-2; thence leaving said northerly boundary of Tract G and continuing along the westerly boundary of said Tract D-2 and easterly boundary of said Tract E-2, N20°18'09"E, 266.64 feet to a point being a Bohannon-Huston and Associates brass cap; thence, N28°29'34"E, 399.20 feet to the point and place of beginning.

Tract contains 13.8727 acres, more or less.

REPLAT OF TRACT D-2
OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)
ARROYO CHAMISA
ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY
AUGUST, 1982

DEDICATION

THE SUBDIVISION OF THE LAND HEREON DESCRIBED IS WITH FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) THEREOF AND DO HEREBY DEDICATE THE PUBLIC UTILITY EASEMENTS AS SHOWN HEREON THAT INCLUDES EASEMENTS FOR UNDERGROUND AND BURIED SERVICE WIRES FOR ELECTRIC POWER AND TELEPHONE LINES TO BE INSTALLED, MAINTAINED AND SERVICED TO PROVIDE ELECTRIC AND TELEPHONE SERVICE TO THE RESIDENTS OF THE SUBDIVISION AND INCLUDING THE RIGHT TO INGRESS, EGRESS AND THE RIGHT TO TRIM OR REMOVE ANY INTERFERING TREES, SHRUBS OR BUSHES.

WATER RESOURCES SHALL HAVE THE EXCLUSIVE RIGHT TO PLACE UNDERGROUND UTILITIES WITHIN SIX (6) FEET OF A SANITARY SEWER LINE AND FOUR (4) FEET OF A WATER LINE, EXCEPT FOR PERPENDICULAR CROSSINGS OR WHERE WRITTEN APPROVAL HAS BEEN OBTAINED FROM THE WATER RESOURCES DEPARTMENT.

John R. Dorothea 10-12-82
JOHN R. DOROTHEA, SECRETARY OF GRUPE DATE
INVESTMENT COMPANY I, INC., GENERAL
PARTNER OF ALBUQUERQUE INVESTMENT
PARTNERSHIP I, LTD.

ACKNOWLEDGEMENT

STATE OF CALIFORNIA
COUNTY OF SAN JOAQUIN
THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 12TH DAY OF OCTOBER, 1982, BY JOHN R. DOROTHEA, SECRETARY, ON BEHALF OF GRUPE INVESTMENT COMPANY I, INC., GENERAL PARTNER OF ALBUQUERQUE INVESTMENT PARTNERSHIP I, LTD.
MY COMMISSION EXPIRES: JAN. 11, 1985
Quinn J. Connelley
NOTARY PUBLIC

SURVEYOR'S CERTIFICATION

I, A. DWAIN WEAVER, UNDER THE LAWS OF NEW MEXICO, CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION, SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS CONTAINED IN THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.
A. Dwain Weaver September 21, 1982
A. DWAIN WEAVER DATE
P.L.S. NO. 6544, NEW MEXICO

APPROVALS
SP-BZ-280
V. Hagan by Rep. L. Hagan 11-9-82
PLANNING DIRECTOR DATE
Carl M. Estlin 11-9-82
CITY ENGINEER DATE
Carl M. Estlin 11-9-82
FOR A.M.A.F.C.A. DATE
Robert A. Jaramila 11-9-82
TRAFFIC ENGINEER DATE
David C. Hark 11-9-82
CITY SURVEYOR DATE
Robert A. Jaramila 11-13-82
PROPERTY MANAGEMENT DATE
Paul Brinkman 11-9-82
WATER RESOURCES DEPARTMENT DATE
Martin Valdez 11-3-82
PARKS & RECREATION DEPARTMENT DATE
Doug Henderson 11-2-82
PUBLIC SERVICE COMPANY OF NM DATE
Doug Henderson 11-1-82
GAS COMPANY OF NEW MEXICO DATE
E. Wayne Henderson 11-03-82
MOUNTAIN BELL DATE

JOB No. 11942

SHEET 1 OF 7 SHEETS

SUBDIVISION PLAT TITLE SHEET

SHEET 2 OF 19

DRAWING NO. 1506
REFERENCE 1549

26 1:5:06 10:2084

REPLAT OF TRACT D-1, OSO GRANDE SUBDIVISION
MESA DEL OSO
(FILED: JULY 28, 1982)
C19-200

REPLAT OF TRACT D-2
OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)

ARROYO CHAMISA

ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY
AUGUST 1982

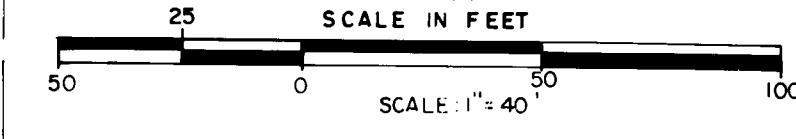
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A. Dwain Weaver September 21, 1982
A. DWAIN WEAVER DATE
P.L.S. NO. 6544, NEW MEXICO

TRACT G, OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)
C19-53

NOTE
• = SET REBAR WITH CAP PE & L.S. 2455

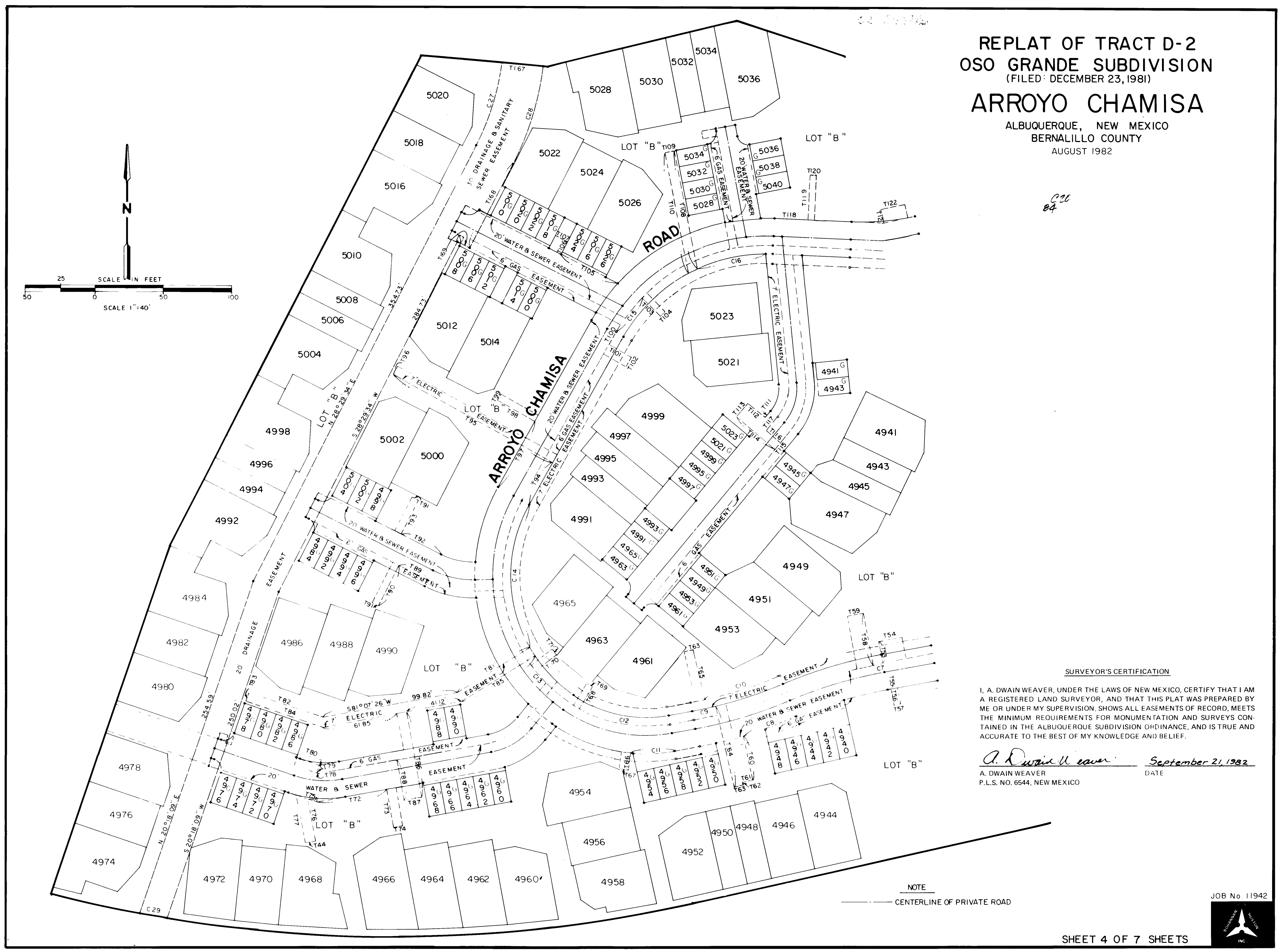


JOB No. H942

SHEET 3 OF 7 SHEETS

SUBDIVISION PLAT SHEET 4 OF 19
DRAWING NO. 1506
REFERENCE 1549

261 1506 10484



REPLAT OF TRACT D-2
OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)
ARROYO CHAMISA
ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY
AUGUST 1982

SURVEYOR'S CERTIFICATION
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A. Dwain Weaver September 21, 1982
A. DWAIN WEAVER DATE
P.L.S. NO. 6544, NEW MEXICO

NOTE
CENTERLINE OF PRIVATE ROAD

SHEET 4 OF 7 SHEETS

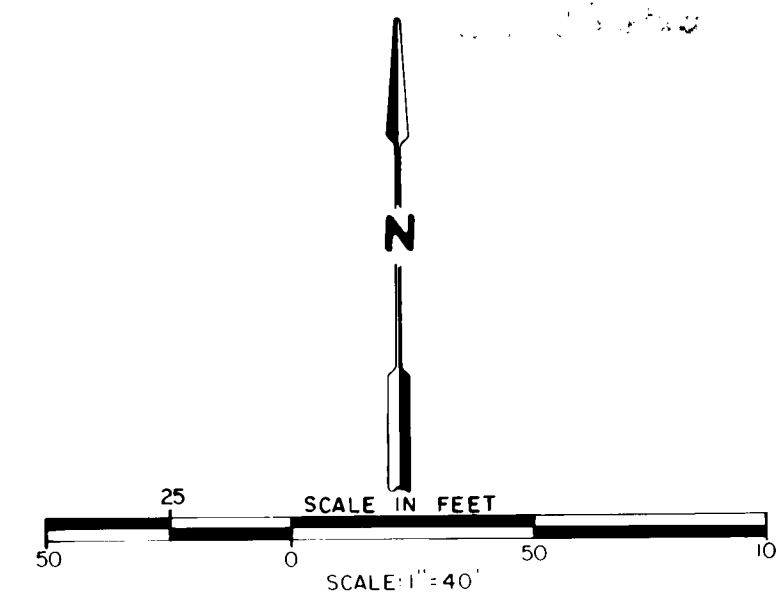
SUBDIVISION PLAT SHEET 5 OF 19
DRAWING NO. 1506
REFERENCE 1549

26 1506 10584

REPLAT OF TRACT D-2
OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)

ARROYO CHAMISA

ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY
AUGUST 1982



MORRIS STREET

26
84

SURVEYOR'S CERTIFICATION

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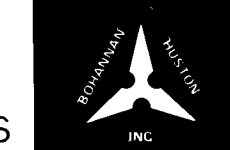
A. Dwain Weaver September 21, 1982
A. DWAIN WEAVER DATE
P.L.S. NO. 6544, NEW MEXICO

STORM SEWER
EASEMENT

NOTE

--- CENTERLINE OF PRIVATE ROAD

JOB No. 11942



SHEET 5 OF 7 SHEETS

SUBDIVISION PLAT SHEET 6 OF 19
DRAWING NO. 1506
REFERENCE 1549

26 1510.6 106.8.4

REPLAT OF TRACT D-2
OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)

ARROYO CHAMISA

ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY
AUGUST 1982

LOCAL COORDINATES
FOR PLAT BEARINGS & GROUND DISTANCES

PT. NO.	X	Y
1	7558.12084	4385.99237
2	7013.26597	4333.35772
3	6752.85100	4281.88600
4	6288.26400	4300.39000
5	6380.82888	4550.46748
6	6571.22043	4901.31528
7	6662.62904	4890.90059
8	6709.64830	4920.57362
9	6877.68755	4892.86765
10	7195.61134	4961.42921
11	7267.12424	4856.25493
12	7471.06900	4620.69700
13	7248.53763	4878.92187
14	7217.79667	4853.32904
15	7160.33326	4818.59331
16	7140.57943	4811.46688
17	7089.26550	4795.63272
18	7060.20558	4788.36003
19	7018.91707	4780.38044
20	6989.51000	4774.68072
21	6928.69501	4762.91075
22	6879.20994	4759.88590
23	6829.66235	4763.31266
24	6823.56436	4763.73510
25	6803.57410	4763.59580
26	6712.79712	4715.95647
27	6701.39534	4699.70100
28	6630.59781	4580.54884
29	6613.97164	4520.21634
30	6655.25454	4430.13012
31	6602.57380	4424.32786
32	6740.79015	4405.35446
33	6757.91924	4408.02953
34	6826.93320	4426.90447
35	6898.94715	4445.77942
36	6932.33398	4451.46198
37	7012.12004	4504.40709
38	7067.13187	4472.51349
39	7106.65283	4476.68551
40	7161.91031	4488.25215
41	7195.57498	4492.57257
42	7254.23679	4510.59022
43	7308.86964	4536.85435
44	7316.63295	4540.04729
45	7378.15817	4572.58167
46	7470.46121	4621.39900
47	7430.30291	4462.11595
48	7346.72655	4456.78378
49	7152.01735	4590.01862
50	6989.40049	4565.63471
51	6639.19125	4411.43096
52	6609.67767	4394.99972
53	6501.29815	4378.07399
54	6466.63199	4381.54216
55	6409.27435	4402.76224
56	6609.97166	4520.23812
57	6570.78211	4527.93018
58	6483.10052	4575.52309
59	6594.25270	4780.30149
60	6790.07962	4844.13773
61	6837.56613	4857.23852
62	6828.03347	4628.65016
63	6715.74541	4500.12583
64	7212.49376	4708.10658
65	7187.79112	4959.74275
66	7206.34221	4873.72033
67	7120.21815	4802.01931
68	7246.70347	4881.29846
69	7084.86180	4713.68315
70	7124.70418	4369.03245
71	7145.52321	4363.09974
72	7110.19861	4350.73476

SHEET 6 OF 7 SHEETS

REPLAT OF TRACT D-2
OSO GRANDE SUBDIVISION
(FILED: DECEMBER 23, 1981)

ARROYO CHAMISA

ALBUQUERQUE, NEW MEXICO
BERNALILLO COUNTY
AUGUST 1982

TANGENT & CURVE TABLES SHOWN
ARE FOR UTILITY SHEETS 4&5 ONLY

CURVE DATA				
NR.	RADIUS	ARC	CHORD	DELTA
C1	346.80'	189.77'	187.41'	31°21'06"
C2	346.80'	17.85'	17.85'	02°56'57"
C3	346.80'	17.50'	17.49'	05°40'48"
C4	176.50'	6.00'	6.00'	01°56'53"
C5	162.50'	9.05'	9.05'	03°11'32"
C6	326.95'	7.00'	7.00'	01°13'36"
C7	332.95'	41.59'	41.56'	07°09'19"
C8	306.95'	16.97'	16.97'	03°10'03"
C9	299.95'	56.57'	56.48'	10°48'19"
C10	118.11'	32.33'	32.23'	15°41'07"
C11	98.11'	67.98'	66.62'	39°41'54"
C12	111.05'	11.05'	11.05'	05°40'42"
C13	105.50'	108.87'	104.10'	59°07'28"
C14	124.54'	31.94'	31.85'	14°41'57"
C15	118.54'	56.23'	55.70'	27°10'38"
C16	162.50'	13.01'	13.01'	04°35'19"
C17	557.31'	100.04'	99.90'	10°17'04"
C18	557.31'	20.01'	20.00'	02°03'24"
C19	557.31'	6.00'	6.00'	00°37'00"
C20	557.31'	24.00'	24.00'	00°29'45"
C21	356.80'	56.00'	55.24'	08°59'33"
C22	100.00'	99.16'	95.15'	56°48'57"
C23	80.00'	79.33'	76.12'	56°48'57"
C24	547.31'	95.15'	95.03'	09°57'40"
C25	2773.78'	29.46'	29.46'	00°36'31"
C26	180.00'	63.04'	62.72'	20°04'04"
C27	210.00'	79.77'	79.77'	20°04'04"
C28	998.66'	20.25'	20.24'	01°09'41"

TANGENT DATA	
NR.	BEARING
T1	N1°31'26"E
T2	S84°33'41"W
T3	S25°16'19"E
T4	N64°43'41"E
T5	S25°16'19"E
T6	S25°16'19"E
T7	N25°16'19"W
T8	N25°16'19"W
T9	N25°16'19"W
T10	S64°43'41"W
T11	N25°16'19"W
T12	N25°16'19"E
T13	N64°43'41"E
T14	S25°16'19"E
T15	N25°16'19"E
T16	N25°16'19"E
T17	S64°43'41"W
T18	S64°43'41"W
T19	S64°43'41"W
T20	S64°43'41"W
T21	N25°16'19"W
T22	N25°16'19"W
T23	S27°52'19"E
T24	N81°07'26"E
T25	N81°07'26"E
T26	S81°07'26"W
T27	N27°52'19"W
T28	S64°43'41"W
T29	S25°16'19"E
T30	S64°43'41"W
T31	S64°43'41"W
T32	S64°43'41"W
T33	S81°07'26"W
T34	S81°07'26"W
T35	S81°07'26"W
T36	S08°52'34"E
T37	N08°52'34"E
T38	S81°07'26"W
T39	S08°52'34"E
T40	S81°07'26"W
T41	S08°52'34"E
T42	S81°07'26"W
T43	S08°52'34"E
T44	N08°52'34"E
T45	S81°07'26"W
T46	S81°07'26"W
T47	S81°07'26"W
T48	S81°07'26"W
T49	S81°07'26"W
T50	S08°52'34"E
T51	S81°07'26"W
T52	N08°52'34"E
T53	N08°52'34"E
T54	N08°52'34"E
T55	N81°07'26"E
T56	S08°52'34"E
T57	S81°07'26"W
T58	N08°52'34"E
T59	S81°07'26"W
T60	S78°49'10"W
T61	S11°10'50"E
T62	S78°49'10"W
T63	N11°10'50"W
T64	N32°16'56"E
T65	S08°52'34"E
T66	N32°16'56"E
T67	N32°16'56"E
T68	N32°16'56"E
T69	N32°16'56"E
T70	N32°16'56"E
T71	N32°16'56"E
T72	N32°16'56"E
T73	N32°16'56"E
T74	N32°16'56"E
T75	N32°16'56"E
T76	N32°16'56"E
T77	N32°16'56"E
T78	N32°16'56"E
T79	N32°16'56"E
T80	N32°16'56"E

TANGENT DATA	
NR.	BEARING
T81	S59°41'32"W
T82	S62°42'51"W
T83	S20°18'09"W
T84	S69°41'51"E
T85	S69°41'51"E
T86	S08°52'34"E
T87	S81°07'26"W
T88	N08°52'34"E
T89	N61°30'26"W
T90	S28°29'34"E
T91	N61°30'26"W
T92	S28°29'34"E
T93	N28°29'34"E
T94	N30°43'04"E
T95	N59°16'56"W
T96	N30°43'04"E
T97	N30°43'04"E
T98	N59°16'56"W
T99	N30°43'04"E
T100	S30°43'04"W
T101	S59°16'56"E
T102	S30°43'04"W
T103	S43°26'18"E
T104	N46°33'42"E
T105	N61°30'26"W
T106	N28°29'34"E
T107	N61°30'26"W
T108	N09°30'41"E
T109	S80°29'19"W
T110	S09°30'41"E
T111	S41°08'34"W
T112	S41°08'34"W
T113	S41°08'34"W
T114	S48°51'26"E
T115	N41°08'34"E
T116	N48°51'26"E
T117	N41°08'34"E
T118	S80°29'19"W
T119	N03°57'23"E
T120	S86°02'37"E
T121	N10°57'08"W
T122	N79°02'52"E
T123	S10°57'08"E
T124	N79°02'52"E
T125	N10°57'08"W
T126	N79°02'52"E
T127	N10°57'08"W
T128	S79°02'52"W
T129	S10°57'08"E
T130	S79°02'52"W
T131	S79°02'52"W
T132	N10°57'08"W
T133	S79°02'52"W
T134	N10°57'08"W
T135	N72°51'04"E
T136	S17°08'56"E
T137	S17°08'56"E
T138	S17°08'56"E
T139	N72°51'04"E
T140	S17°08'56"E
T141	N72°51'04"E
T142	N72°51'04"E
T143	N72°51'04"E
T144	S17°08'56"E
T145	N72°51'04"E
T146	N50°13'18"E
T147	N77°49'49"W
T148	N72°51'04"E
T149	S17°08'56"E
T150	N64°43'41"E
T151	N25°16'19"W
T152	N25°16'19"W
T153	N25°16'19"W
T154	N51°08'34"E
T155	N72°51'04"E
T156	N51°08'34"E
T157	N51°08'34"E
T158	N51°08'34"E
T159	N51°08'34"E
T160	N49°06'51"E

TANGENT DATA	
NR.	BEARING
T161	N38°24'21"E
T162	S38°24'21"W
T163	N50°13'18"E
T164	S50°13'18"W
T165	N12°10'11"W
T166	S83°00'00"E
T167	S83°00'00"E
T168	S28°29'34"W
T169	N61°30'26"W

C20-84

SUBDIVISION PLAT COMPUTATIONS

DRAWING NO. 1506
REFERENCE 1549

SHEET 7 OF 19

SHEET 7 OF 7 SHEETS

- LEGEND
- EXISTING CONTOUR
 - PROPOSED CONTOUR
 - ➔ DIRECTION OF FLOW
 - ▨ RETAINING WALL (18" OR LESS)
 - ▤ RETAINING WALL (GREATER THAN 18")
 - ... SIDEWALK CULVERT (SEE PROPOSED PAVING DESIGN)
 - DRAINAGE SWALE



NOTES:

- The top 6" of fill beneath buildings and garages shall be compacted to 95% of maximum density (per ASTM D-1557). All other areas shall be compacted to 90% of maximum density. Fill shall be brought to optimum moisture $\pm 2\%$.
- No frozen material shall be placed in fill.
- All material placed in fill shall have been excavated on this project or from designated borrow area.
- Material unsuitable for fill shall be removed from the site.
- Prior to grading, the existing surface shall be stripped of organic matter. These strippings may be used for surfacing landscaped areas only.
- All pads shall be graded to 3' beyond specified finished horizontal dimensions.
- Finished pad elevations are 8" below finished floor elevations.
- The finished floor elevation specified for garages is at the front of the garage. Garage slabs shall be 2" higher at the rear.
- The finished floor elevation for patio areas adjoining the buildings shall be 1/2" below the building finished floor elevation. The patio shall slope away from the building at 2.0%. The patio finished pad elevations shall be 4" below the patio finished floor elevation.
- Masonry walls, retaining walls, or combination masonry and retaining walls shall not exceed 8.0' in height.
- Retaining walls shall be constructed in accordance with sheet 19 of 19. Alternative designs will be acceptable if prepared by a registered Civil Engineer and approved by the City of Albuquerque Building Inspection Division.
- No slopes shall exceed 3:1 (Horizontal: Vertical).
- Rough grading of the site shall be done so that all areas beyond building limits and outside of streets and parking areas are left 0.3' below finished grade elevation. Subgrade tolerance in these areas shall be $\pm 0.3'$.
- Subgrade tolerance on building pads shall be $\pm 0.1'$.
- Subgrade tolerance on areas within streets and parking areas shall be $\pm 0.3'$.
- Copies of the soils report for this property may be obtained from F.M. Fox and Associates, 3412 Bryn Mawr, N.E., Albuquerque, New Mexico 87107.
- Grading operations shall be performed in a manner which meets all current City, State and Federal dust control regulations.
- If construction does not occur on the site within 2 months of site grading the site and borrow area shall be revegetated by the owner with native grasses as necessary.

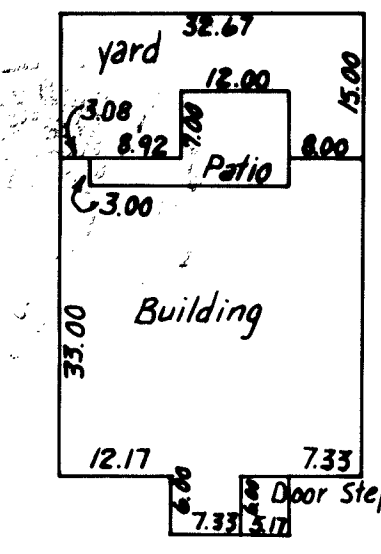
PHASE I CONSTRUCTION ONLY

LASON 1-505-344-9404
BEST COPY AVAILABLE

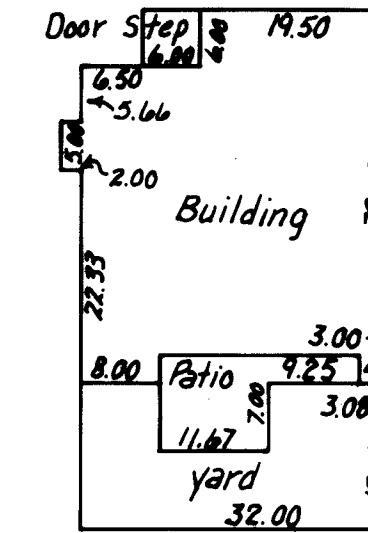
26 15 06 108 84

AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			REFERENCES			REVISIONS		
CONTRACTOR	WORK	DATE	THE STATION IS A STANDARD ACS BRASS	TABLET STAMPED "17-E21 SET FLUSH IN THE	DATE	NO.	BY	DATE	MAP NO. F-21	EST. NO.	W/O NO.	NO.	DATE	DESIGN
INSPECTOR	ACCEPTANCE BY	DATE	SIDEWALK IN THE NORTHEAST QUADRANT	OF THE INTERSECTION OF SPAIN ROAD	DATE									
VERIFICATION BY	DATE		AND EUBANK BOULEVARD.	ELEVATION = 5573.51										
RECORDED BY	NO.	DATE												

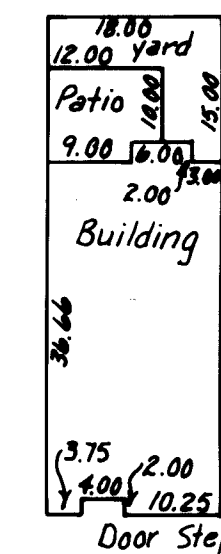
PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION		
APPROVALS			TITLE: ARROYO CHAMISA (PHASE I) GRADING PLAN (WEST)		
CITY ENGINEER	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
A.C.E. Design	1/14/82	1/14/82	A.C.E. Design	1/14/82	1/14/82
A.C.E. Hydrology	1/14/82	1/14/82	A.C.E. Hydrology	1/14/82	1/14/82
APPROVED FOR CONSTRUCTION			DRAWING NO. 1506		
CITY ENGINEER			SHEET 8 OF 19		



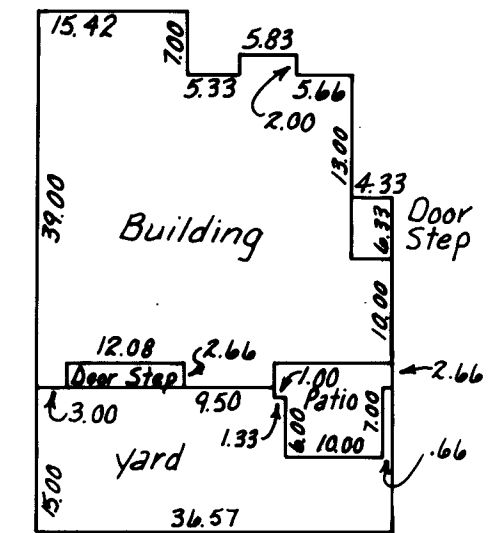
DETAIL A
TYPICAL A UNIT
SCALE: 1"=20'



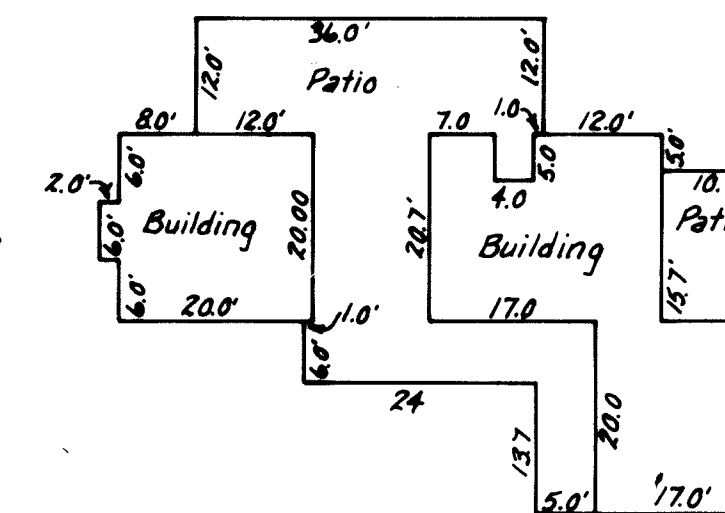
DETAIL B
TYPICAL B UNIT
SCALE: 1"=20'



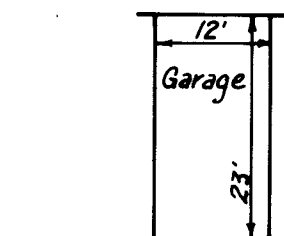
DETAIL C
TYPICAL C UNIT
SCALE: 1"=20'



DETAIL D
TYPICAL D UNIT
SCALE: 1"=20'



DETAIL E
RECREATION CENTER
SCALE: 1"=20'



DETAIL F
TYPICAL GARAGE
SCALE: 1"=20'

SEE NOTES SHEET 1

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- DIRECTION OF FLOW
- ▤ RETAINING WALL (18" OR LESS)
- ▥ RETAINING WALL (GREATER THAN 18")
- ... SIDEWALK CULVERT (SEE PROPOSED PAVING DESIGN)
- DRAINAGE SWALE

PHASE I CONSTRUCTION ONLY

26 1506 0984

PREPARED UNDER THE DIRECTION OF 		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
TITLE: ARROYO CHAMISA (PHASE I) GRADING PLAN (EAST)			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer		7/15/82	Liquid Waste
A.C.E.-Design		7/15/82	Traffic
A.C.E.-Hydrology		7/15/82	Water
APPROVED FOR GRADING 		DATE 7/15/82	
CITY ENGINEER		DATE	
DRAWING NO. 1506		SHEET 9 OF 19	

AS-BUILT INFORMATION			
CONTRACTOR	THE STATION IS A STANDARD ACS BRASS	DATE	
WORKED BY	TABLET STAMPED "17-F21 SET FLUSH IN THE	DATE	
INSPECTED BY	SIDEWALK IN THE NORTHEAST QUADRANT	DATE	
VERIFIED BY	OF THE INTERSECTION OF SPAIN ROAD	DATE	
CONTRACTOR	AND EUBANK BOULEVARD.	DATE	
CONTRACTOR	ELEVATION = 5673.51	DATE	
MICRO-FILM INFORMATION			
RECORDED BY		NO.	

LEGEND

- MANHOLE ADJUSTMENT
- WATER VALVE ADJUSTMENT
- STREET DRAINAGE FLOW DIRECTION
- PROPOSED SIDEWALK
- PROPOSED RESIDENTIAL PAVING
- BOMANITE DECORATIVE PAVING OR EQUIVALENT
- SIDEWALK BY OTHERS
- MEDIAN CURB & GUTTER
- EXISTING STANDARD CURB & GUTTER
- EXISTING STORM DRAIN

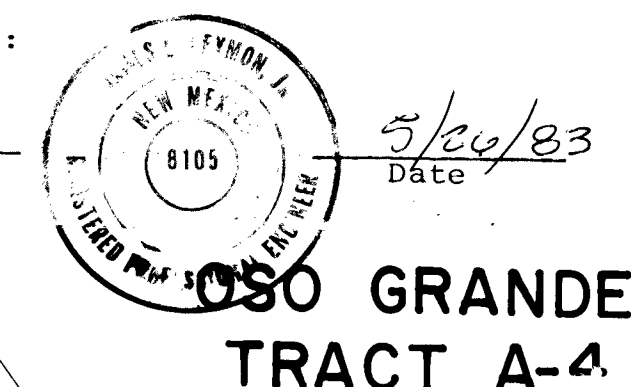
RECORD DRAWING

MESA DEL OSO

The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

Prepared under the supervision of:

MSM/SP Group



NOTES

- Curb returns at Morris Street shall have a 25' radius at the face of curb.
- Streets shall be graded to finished Grade $\pm 1.0'$ prior to installation of utilities.
- See City Std. Dwg. P-17-1 for Wheel Chair Ramp construction details.
- See Detail this sheet for typical parking dimensions.
- Mesa Del Oso Road will have a 2" crown and all parking lots will have a 3" inverted crown.
- All curb within project shall be median curb & gutter per City Standard Drawing P-8-2.
- All streets within the project shall be private and shall be maintained by the owners.
- Stationing shown on Plan & Profile sheets is centerline stationing.
- Decorative paving shall be Fish Scale Cobblestone Pattern Tinted Franciscan Red.
- Pavement shall be according to City Standard Drawing for paving P-7-1 Residential Streets.
- Wheel Chair ramps at the intersection of Morris Street and Arroyo Chamisa Road shall be constructed per City Standard Drawing P-16-1.
- Construct 1'x3'x23' Concrete Cut-off Wall at end of Phase I Paving.

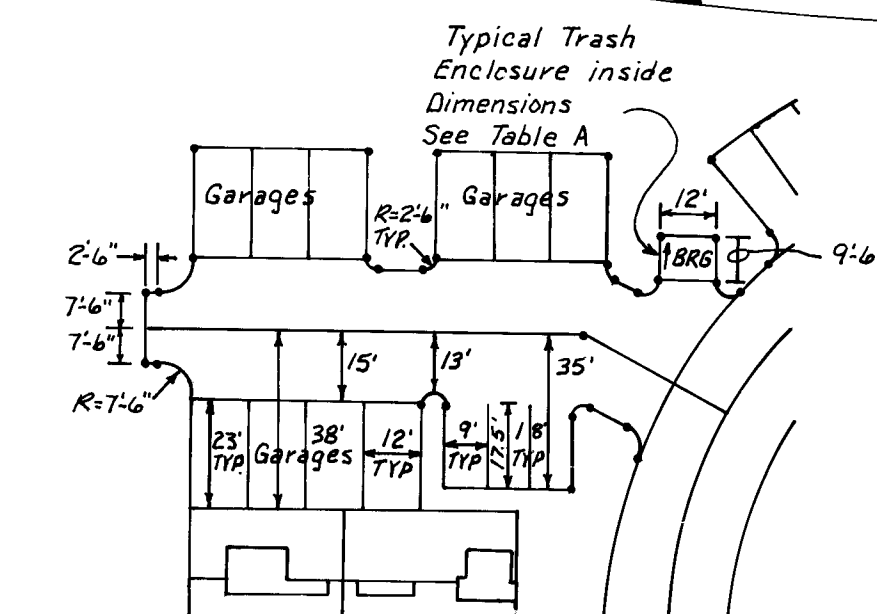
OSO GRANDE TRACT E-2

PHASE II

PHASE I

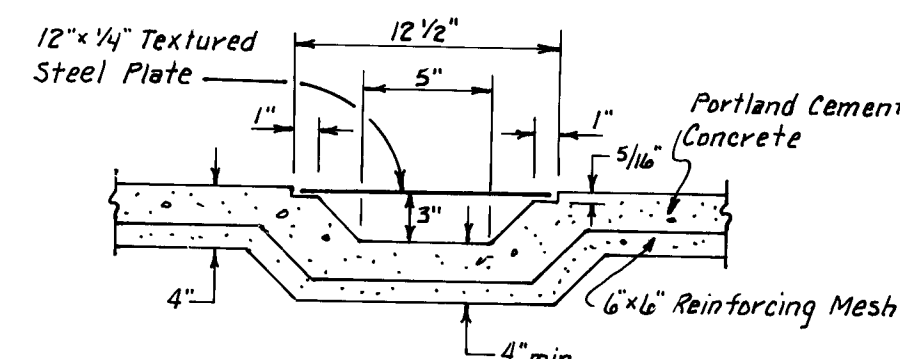
PHASE II

PHASE I



DETAIL
TYPICAL PARKING LOT DIMENSIONS
No Scale

Note: Dimensions are to back of curb.

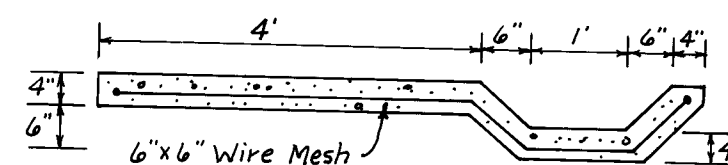


DETAIL
SIDEWALK CULVERT

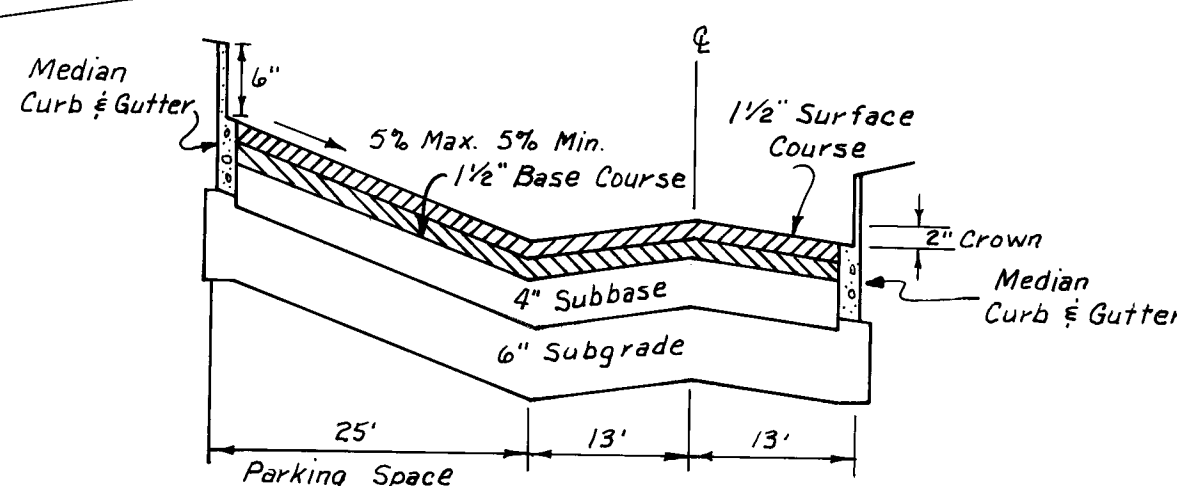
BEAR CANYON ARROYO

TABLE A
Trash Enclosure Side Wall Bearing

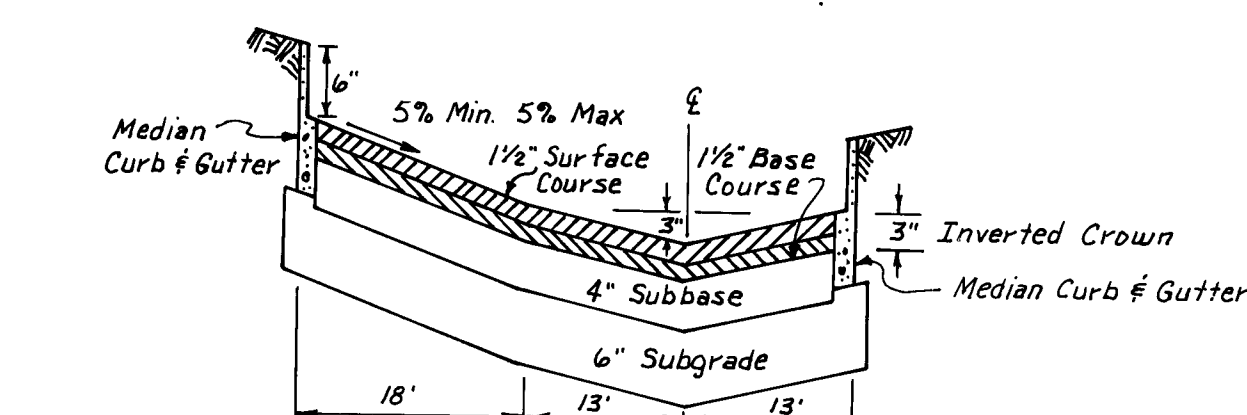
Arroyo Chamisa Road Station	Bearing
4+50.02 N	S 34°43'41" W
1+01.44 N	S 48°57'23" W
0+30.32 S	S 76°29'34" W
2+43.04 S	S 47°05'46" W
3+39.61 S	S 80°52'34" E
5+42.61 S	S 86°22'34" E
9+54.65 S	N 81°07'26" E



SECTION C-C
SECTION THROUGH SIDEWALK & GUTTER



SECTION A-A
TYPICAL SECTION THROUGH MESA DEL OSO ROAD

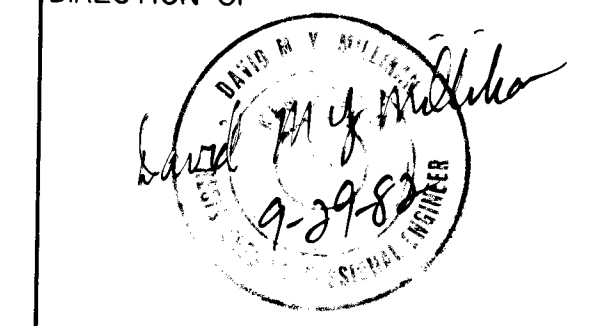


SECTION B-B
TYPICAL SECTION THROUGH PARKING LOT

Location	Radius
A	2.50'
B	5.00'
C	7.50'
D	1.33'
E	3.00'
F	4.00'
G	25.00'
H	2.00'

26 1506 11084

PREPARED UNDER THE DIRECTION OF



APPROVED FOR CONSTRUCTION

CITY ENGINEER

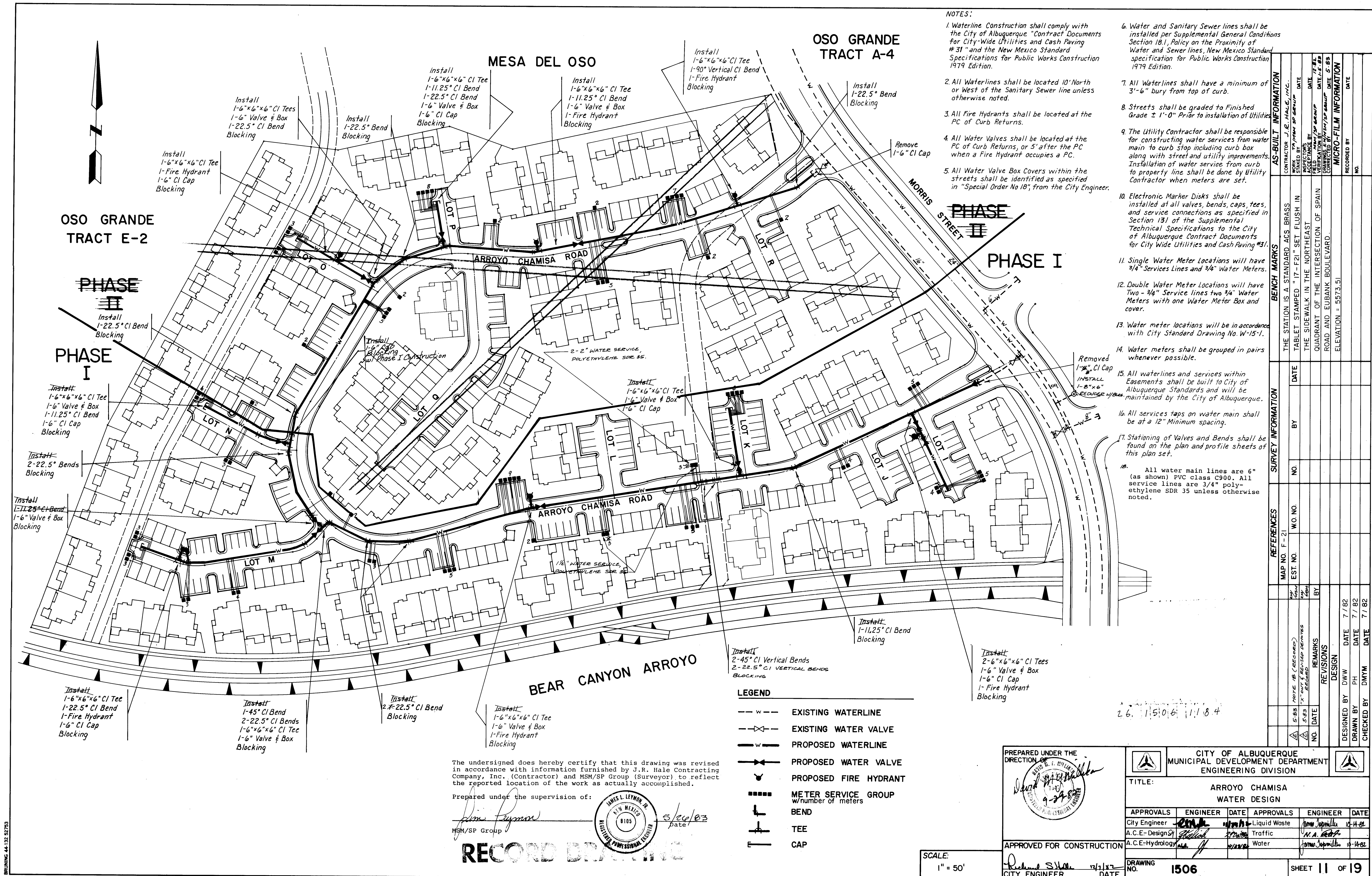
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
ARROYO CHAMISA
PAVING DESIGN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	J.R. Hale	5/24/83	Liquid Waste	N.A. Jones	12-14-82
A.C.E.-Design	J.R. Hale	5/24/83	Traffic	N.A. Jones	12-14-82
A.C.E.-Hydrology	N.A.	12/14/82	Water	N.A. Jones	12-14-82

DRAWING NO. 1506

SHEET 10 OF 19



OSO GRANDE
TRACT E-2

MESA DEL OSO

OSO GRANDE
TRACT A-4

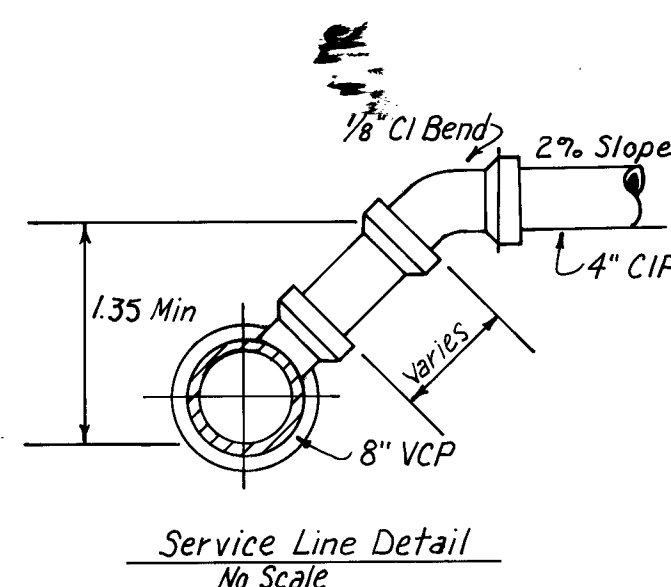
PHASE II

PHASE I

PHASE II
PHASE I

BEAR CANYON ARROYO

Sanitary Sewer Deflections	
Location	Deflection
A	17° 13' 36" RT
B	26° 21' 21" RT
C	83° 51' 51" RT
D	19° 36' 13" RT
E	14° 54' 31" LT
F	80° 39' 03" RT
G	90° 00' 00" RT
H	67° 14' 56" LT
I	19° 26' 29" RT



LEGEND

- SAS — EXISTING SANITARY SEWER LINE
- EXISTING MANHOLE
- SAS — PROPOSED SANITARY SEWER LINE
- PROPOSED MANHOLE
- > SANITARY SEWER FLOW DIRECTION
- |—|—| SANITARY SEWER SERVICE
- |—|—| CONCRETE ENCASING

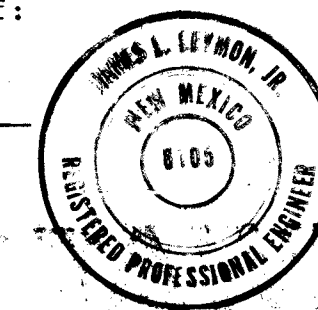
NOTES:

- Water and Sewer lines shall be installed per Supplemental General Conditions Section 18.1, Policy on the Proximity of Water and Sewer Lines, New Mexico Standard Specifications for Public Works Construction, 1979 Edition.
- Sewer line construction shall comply with the City of Albuquerque "Contract Documents for City-Wide Utilities and Cash Paving #31" and the New Mexico Standard Specifications for Public Works Construction, 1979 Edition.
- Sewer services, other than those indicated, shall not tie-in to the sewer main at manholes.
- Electronic Marker Discs shall be installed at all service tees and at all plugged ends as specified in Section 131 of the Supplemental Technical Specifications to the City of Albuquerque "Contract Documents for City Wide Utilities and Cash Paving #31".
- Streets shall be graded to finish grade $\pm 1.00'$ Prior to installation of Utilities.
- For Sanitary Sewer service tee locations see sheets through
- All service line stub-outs shall be perpendicular to the sanitary sewer main. Stub-outs shall be 4" DIP unless otherwise noted.
- A water tight plug shall be installed at the end of each stub-out.
- All sanitary sewer lines within the streets and lots shall be built to the City of Albuquerque Standards.
- Water line shall be 10' Min. N. & W. of centerline of sanitary sewer line.
- All sanitary sewer main will be maintained by the City of Albuquerque. The individual service laterals shall be maintained by the individual Home Owners. Multiple service laterals (6") shall be maintained by the Home Owners Association.
- All encasement shall be constructed per City Standard Drawing S-10. Specified lengths are from outside of manhole.
- ALL SANITARY SEWER LINES, EXISTING AND PROPOSED, INVOLVED WITH THIS PROJECT SHALL BE AIR-TESTED UPON COMPLETION OF FINAL STREET GRADING.
- All Sanitary sewer main lines are 8" (internal diameter) VCP with push-on type joints. All service lines are cast iron pipe and are 4" (internal diameter) unless otherwise noted.
- All Sanitary sewer manholes are 4ft diameter and of precast type construction.

The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

Prepared under the supervision of:

Jim Raymon
MSM/SP Group



PREPARED UNDER THE
DIRECTION OF

David Myrland
9-24-82

APPROVED FOR CONSTRUCTION

Richard S. Hale 12/7/82
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ARROYO CHAMISA
SANITARY SEWER DESIGN

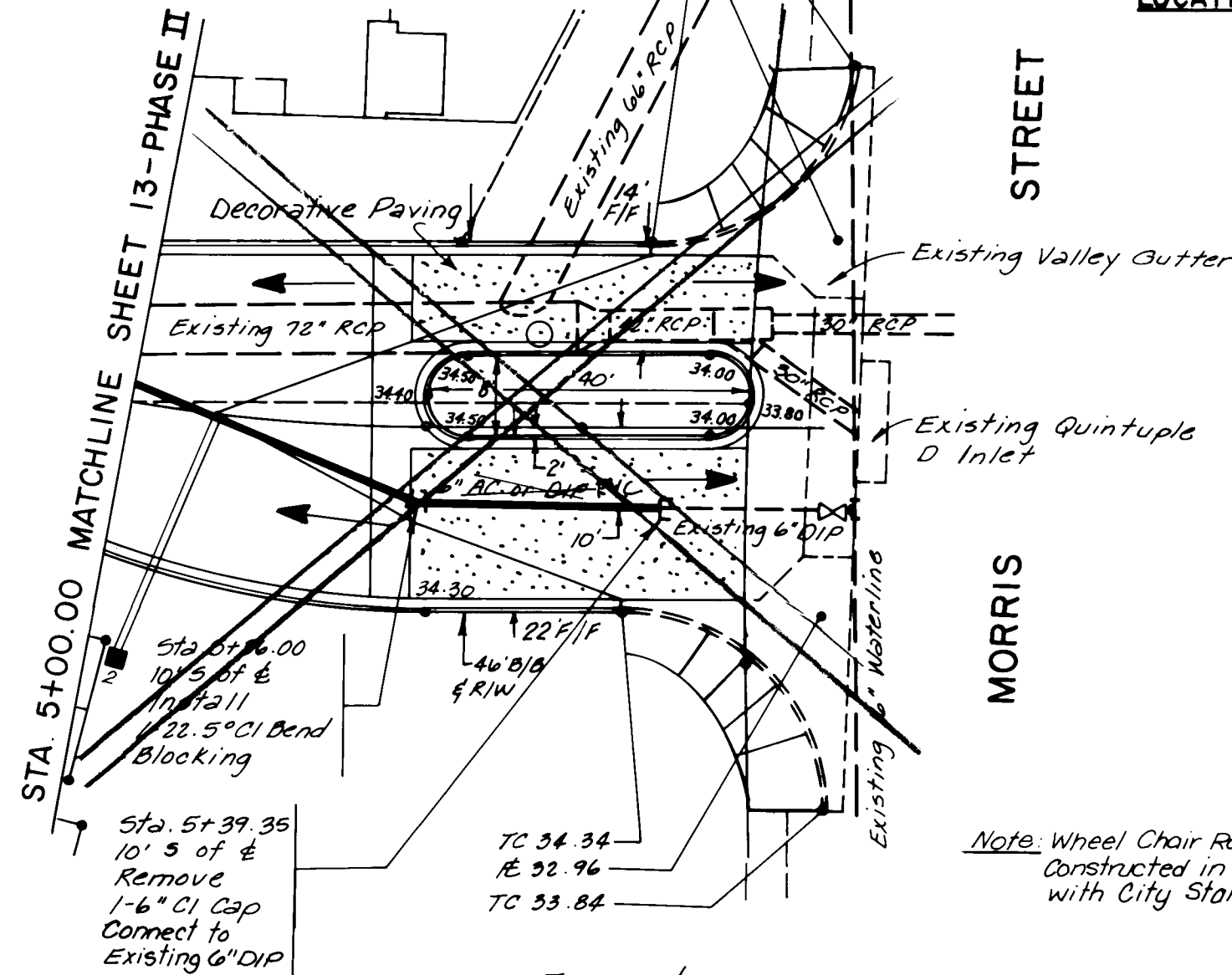
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/14/82	Liquid Waste	<i>[Signature]</i>	10/14/82
A.C.E.-Design	<i>[Signature]</i>	10/14/82	Traffic	<i>[Signature]</i>	10/14/82
A.C.E.-Hydrology	<i>[Signature]</i>	10/14/82	Water	<i>[Signature]</i>	10/14/82

DRAWING NO. 1506
SHEET 12 OF 19

SCALE:
1" = 50'

PLAN	DATE	BY
SURVEYED		
NOTED		
NO		

PROFILE	DATE	BY
SURVEYED		
NOTED		
NO		

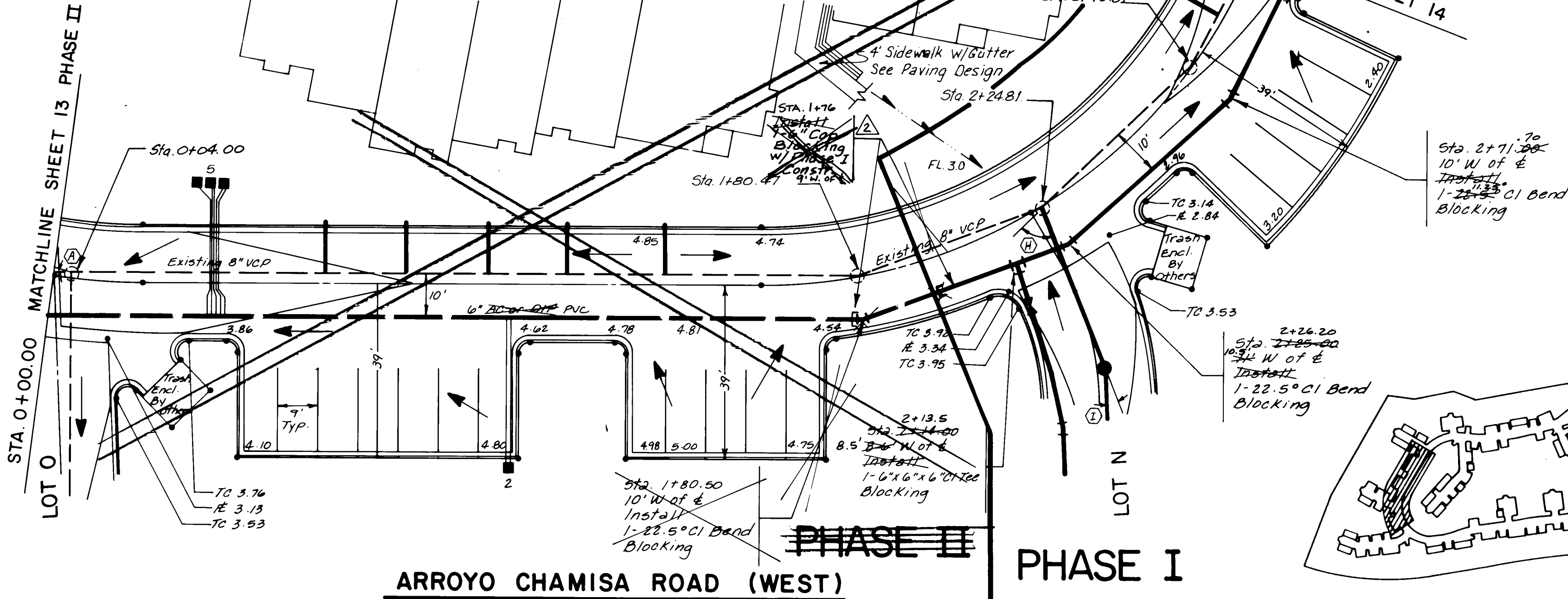


Note: Wheel Chair Ramps shall be constructed in accordance with City Standard Drawg. P-16-1.

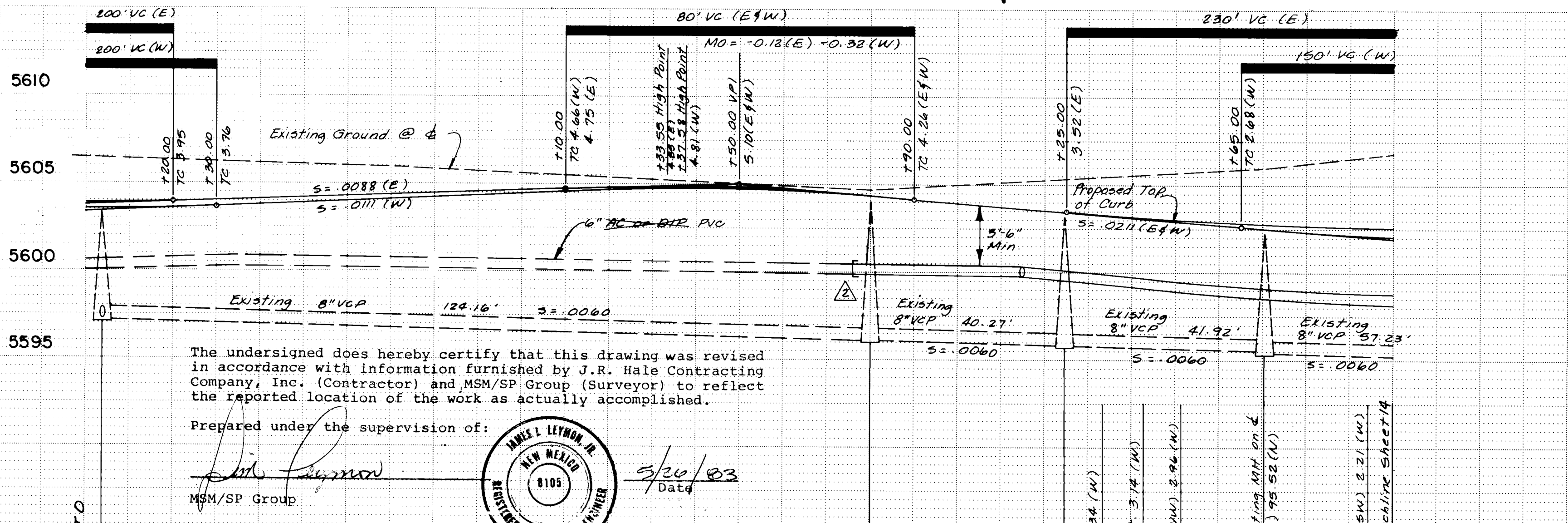
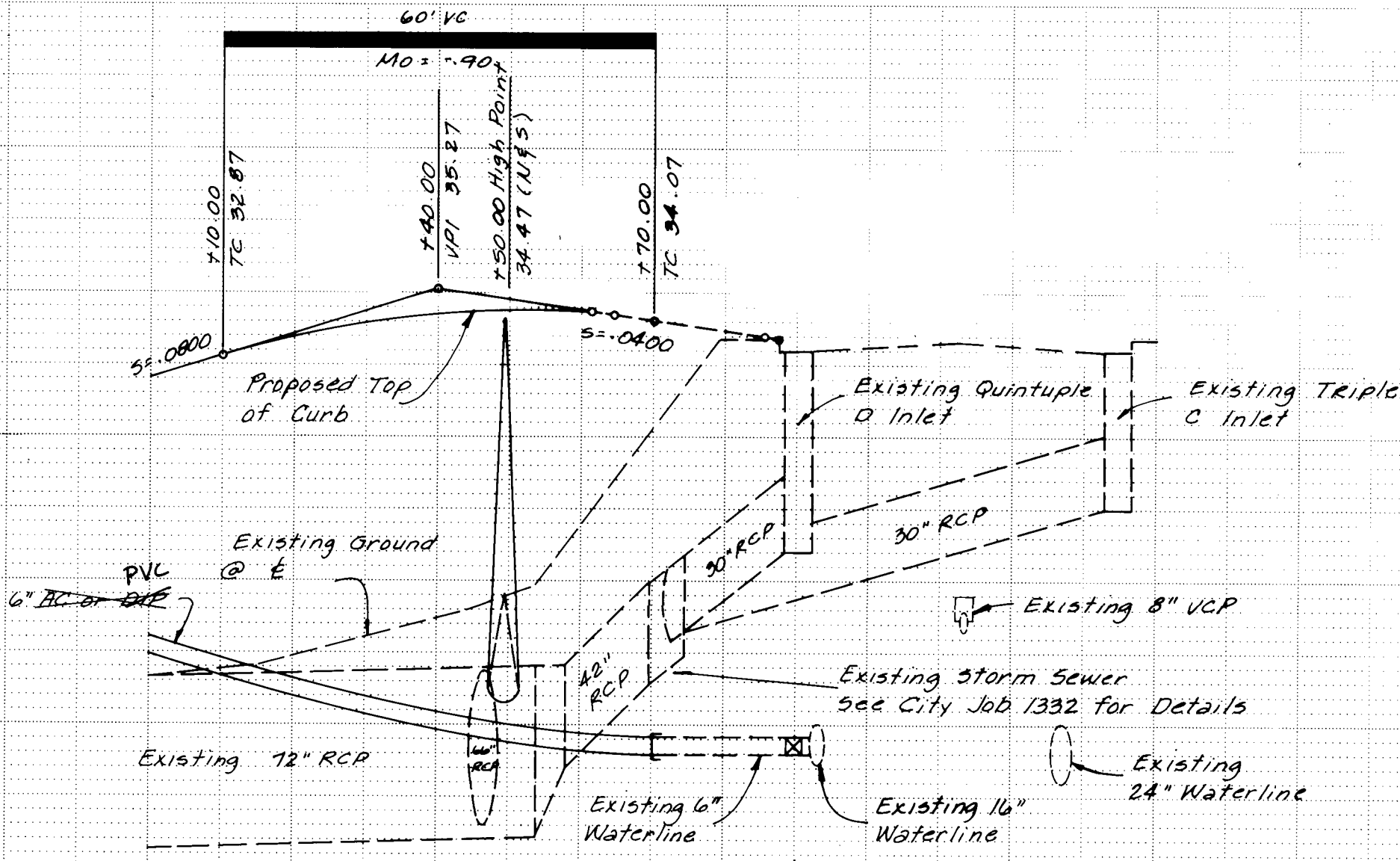
PHASE II CONSTRUCTION

ARROYO CHAMISA ROAD (NORTHEAST)

SEWER SERVICE LOCATIONS			
STREET	STATION	LENGTH	INV. @ PLUG
ARROYO CHAMISA ROAD (SOUTH)	0+61.00(E)	12	38.42 18.5
	0+78.00(E)	12	38.88 18.5
	0+97.00(E)	12	39.22 18.4
	1+14.00(E)	12	39.42 18.3
	1+37.00(E)	12	39.92 18.2
	2+64.00(E)	12	39.92 17.5



ARROYO CHAMISA ROAD (WEST)



The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

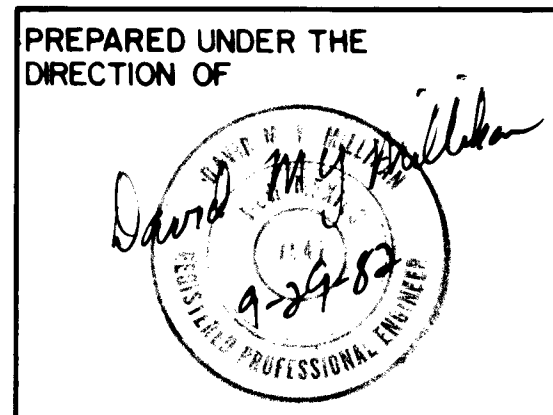
Prepared under the supervision of:

MSM/SP Group



9/20/83 Date

RECORDED



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ARROYO CHAMISA (PHASE I) ARROYO CHAMISA ROAD					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	12/1/82	Liquid Waste	<i>[Signature]</i>	12/1/82
A.C.E.-Design	<i>[Signature]</i>	12/1/82	Traffic	<i>[Signature]</i>	12/1/82
A.C.E.-Hydrology	<i>[Signature]</i>	12/1/82	Water	<i>[Signature]</i>	12/1/82
APPROVED FOR CONSTRUCTION			CITY ENGINEER		
DRAWING NO. 1506			SHEET 13 OF 19		

PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

JOB NO. 11944

SCALE:
1"=20' HOR.
1"=5' VERT.

AS-BUILT INFORMATION			
CONTRACTOR	J.R. HALE, INC.	DATE	
STATION	7+1/4 MILE SP. 667	DATE	
ACCEPTANCE BY		DATE	
FIELD CHECK BY		DATE	
CONNECTION BY		DATE	
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

BENCH MARKS			
THE STATION IS A STANDARD ACS BRASS TABLET	STAMPED "7-F-2" SET FLUSH IN THE SIDEWALK IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF SPAIN ROAD AND EUBANK BOULEVARD	ELEVATION = 5573.51	

SURVEY INFORMATION			
DATE	BY	NO.	W.O. NO.

REFERENCES			
MAP NO.	EST. NO.	BY	REMARKS

DESIGN			
DESIGNED BY	DWM	DATE	JULY 1982
DRAWN BY	PH	DATE	JULY 1982
CHECKED BY	DWM	DATE	JULY 1982

SEWER SERVICE LOCATIONS			
STREET	STATION/BEARING	LENGTH	INV. @ PLUG
ARROYO CHAMISA ROAD (SOUTH) <i>+ 26.81</i>	3+18.00(E)	17	306.81 92.2
	3+54.00(N)	19	307.46 99.6
	3+77.43(S)MH N11°20'W	34(16') 58	308.22 99.6
	5+00.00(N)	22	308.7 2.0
	5+34.00(N)	24	308.2 3.1
	5+37.00(S)	26 47	307.7 3.9
	5+43.00(S)	22	308.5 3
	5+54.00(N)	51	307.8 4.2

SEWER	SERVICE	LOCATIONS
STREET	STATION/BEARING	LENGTH INV. @ PLUG
ARROYO CHAMISA ROAD (SOUTH)	5+25.81 (S) 88°52'34" E 56°52'34" E 6°73.00(S)	40 300 341.52
	7+11.00(S)	37 341.84
	7+31.00(S)	37 341.84
	7+64.00(S)	37 341.84
	7+70.00(N)	26 341.84
	7+81.00(N)	26 341.84

The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

Prepared under the supervision of

MSM/SP Group

RECORD DRAWING

SCALE:
1" = 20' HOR.
1" = 5' VERT

PREPARED UNDER THE
DIRECTION OF

David M. Y. Mulliken
9-24-82

APPROVED FOR CONSTRUCTION

	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
---	---	---

TITLE: ARROYO CHAMISA (PHASE I)
ARROYO CHAMISA ROAD (SOUTH)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/14/82	Liquid Waste	<i>[Signature]</i>	10/14/82
A.C.E.-Design	<i>[Signature]</i>	10/14/82	Traffic	<i>[Signature]</i>	10/14/82
A.C.E.-Hydrology	<i>[Signature]</i>	10/14/82	Water	<i>[Signature]</i>	10/14/82

DRAWING NO.	1506	SHEET	14	OF	19
-------------	------	-------	----	----	----

AS-BUILT INFORMATION	CONTRACTOR J. R. HALE, INC.	DATE
	WORKED TA / MM / SS G.P.	
	STARTED BY	
	ACCEPTANCE BY	
	FIELD MM / SS G.P.	DATE 12.02.83
	IDENTIFICATION BY	DATE 12.06.83
	DRAWINGS	
	CONNECTED B MM / MM / SS G.P.	DATE 5.03.83
MICRO-FILM INFORMATION		
	RECORDED BY	DATE
	NO.	

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "17-F-21" SET FLUSH IN THE SIDEWALK IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF SPAIN ROAD AND EUBANK BOULEVARD.

ELEVATION = 5573.51

[illegible][illegible]

5-83	REVISIONS OF WATERLINE FITTINGS	DATE
5-83	"X" CUT & REWELDED REMOTE RECORD	DATE
1	24985 PVC WATERLINE ALUMINUM <i>24985</i>	DATE
NO.	DATE	REMARKS
REVISIONS		
DESIGN		
DESIGNED BY	DW	DATE JULY 1982
DRAWN BY	PH	DATE JULY 1982
CHECKED BY	DAWM	DATE JULY 1982

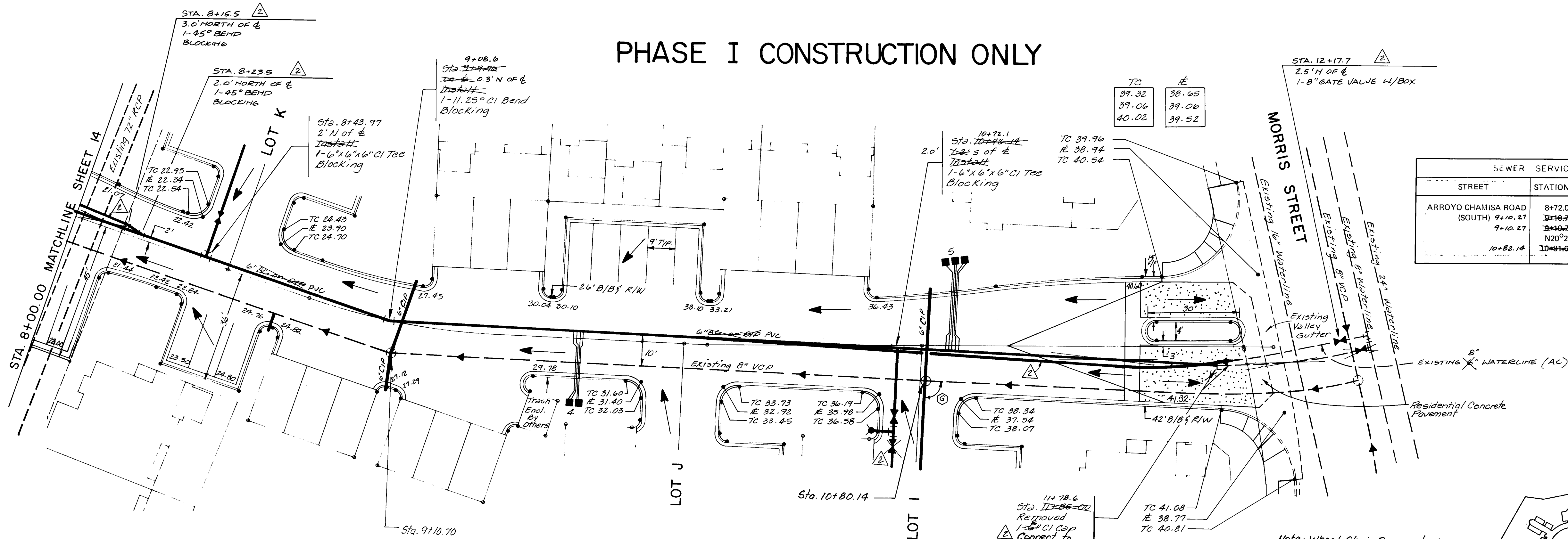
PUERQUE IT DEPARTMENT IVISION		
AMISA (PHASE I) LOAD (SOUTH)		
PROVALS	ENGINEER	DATE
and Waste	James J. Jernigan	10-14-82
ic	R. L. Jernigan	10-14-82
r	James J. Jernigan	10-14-82

SHEET 14 OF 19

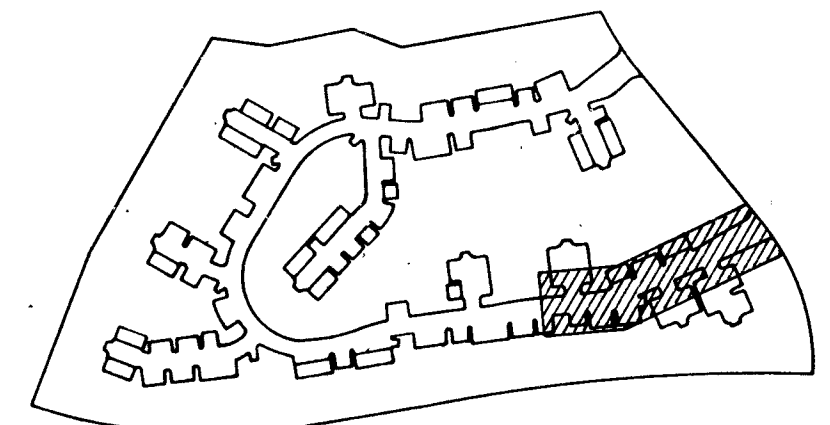
PLAN	DATE	BY	CHECKED
DATE			
BY			
CHECKED			
DATE			

PROFILE	DATE	BY	CHECKED
DATE			
BY			
CHECKED			
DATE			

PHASE I CONSTRUCTION ONLY



SEWER SERVICE LOCATIONS			
STREET	STATION/BEARING	LENGTH	INV. @ PLUG
ARROYO CHAMISA ROAD (SOUTH)	8+72.00(S)	6	12.97/12.7
	9+10.27	3+10.76(N)MH	13.12/14.7
	9+10.27	3+10.28(S)MH	13.04/13.9
	10+82.14	10+82.14(N)MH	27.02/27.2

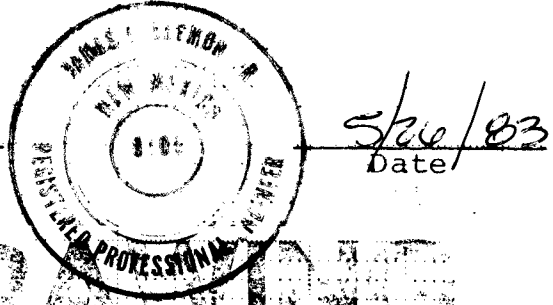


ARROYO CHAMISA ROAD (SOUTHEAST)

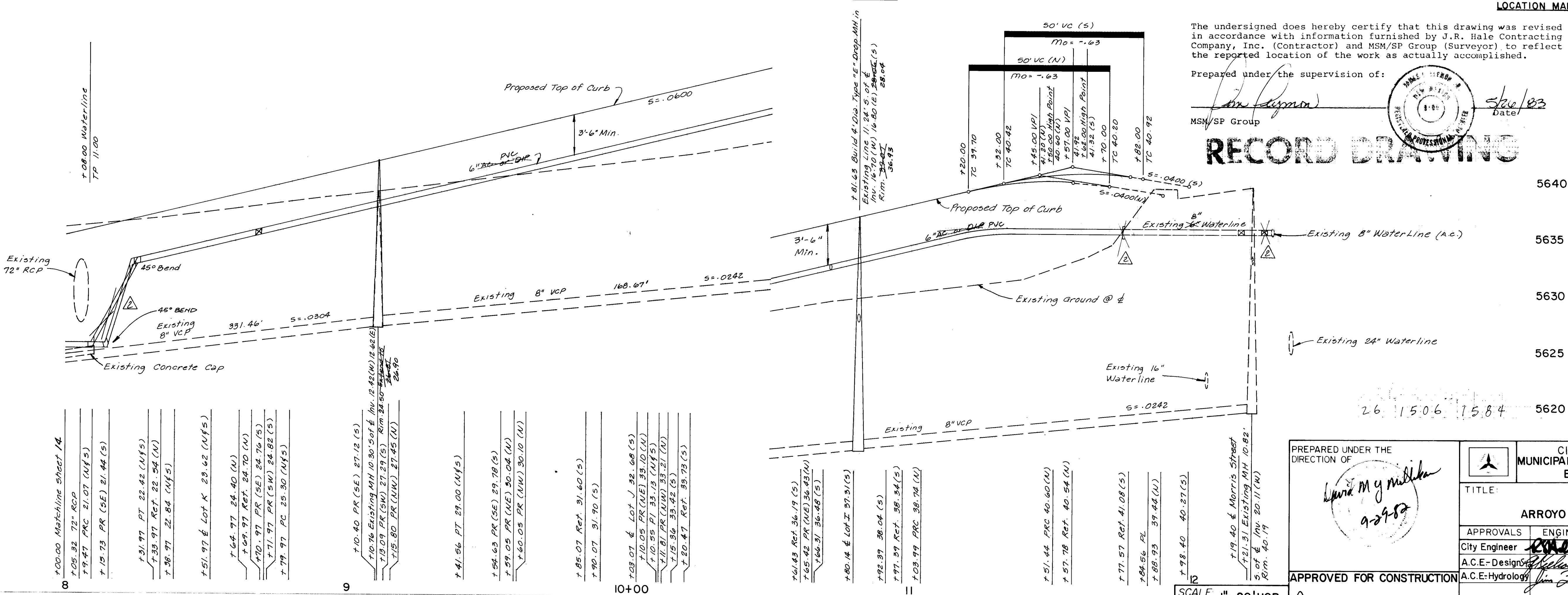
The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

Prepared under the supervision of:

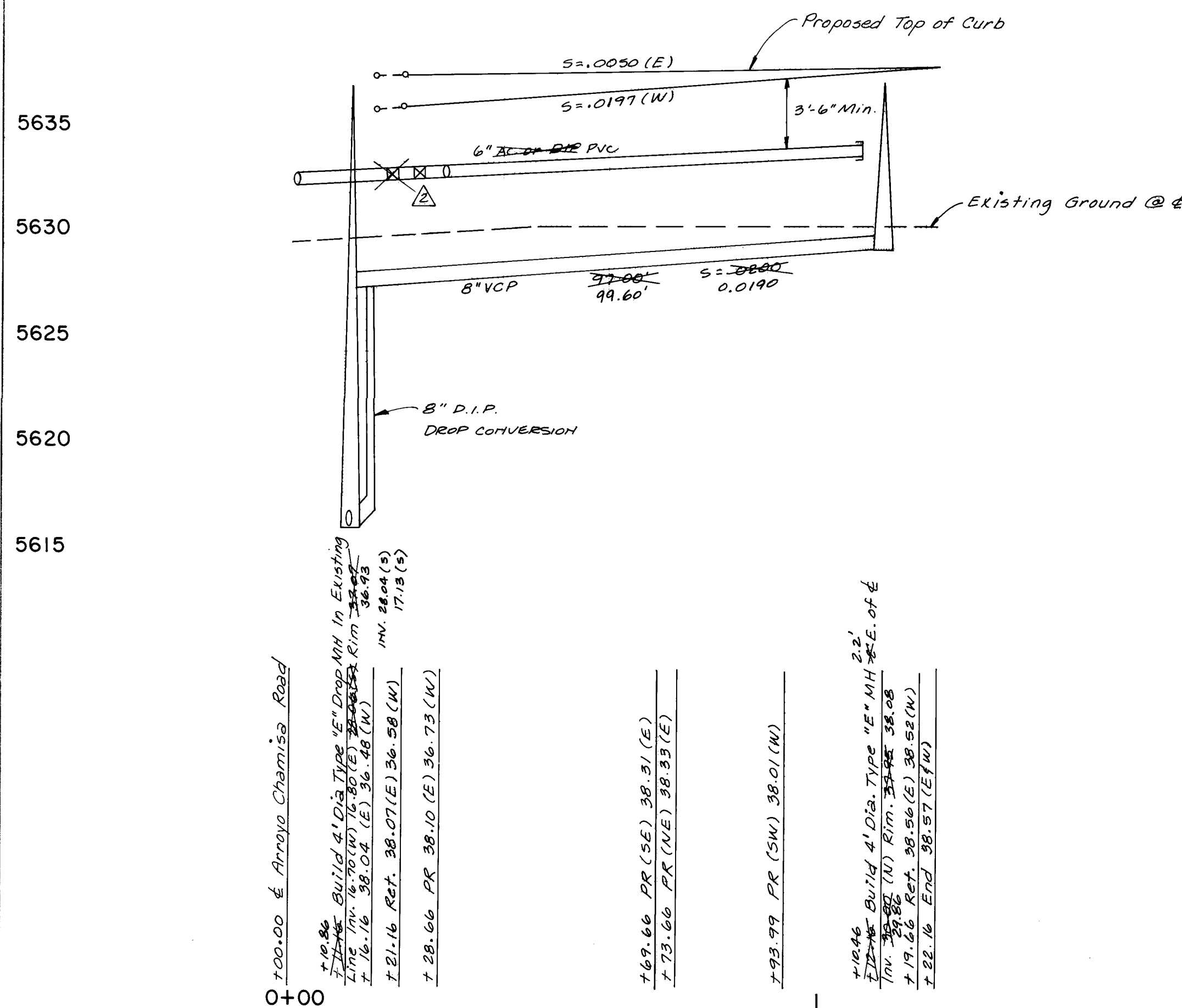
[Signature]
MSM/SP Group



RECORD DRAWING



PREPARED UNDER THE DIRECTION OF <i>[Signature]</i> 9-29-02		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
TITLE: ARROYO CHAMISA (PHASE I) ARROYO CHAMISA ROAD (SOUTHEAST)			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	12/7/02	Engineer
A.C.E.-Design	<i>[Signature]</i>	12/7/02	A.C.E.-Hydrology
APPROVED FOR CONSTRUCTION <i>[Signature]</i> CITY ENGINEER		DATE 12/7/02	
DRAWING NO. 1506		SHEET 15 OF 19	

[illegible]

LOT 1

ARROYO CHAMISA ROAD

16th AVE

Existing 8" VCP

26" B/B + R/W

34.00

33.50

33.77

33.72

33.54

33.43

32.22

32.03

31.40

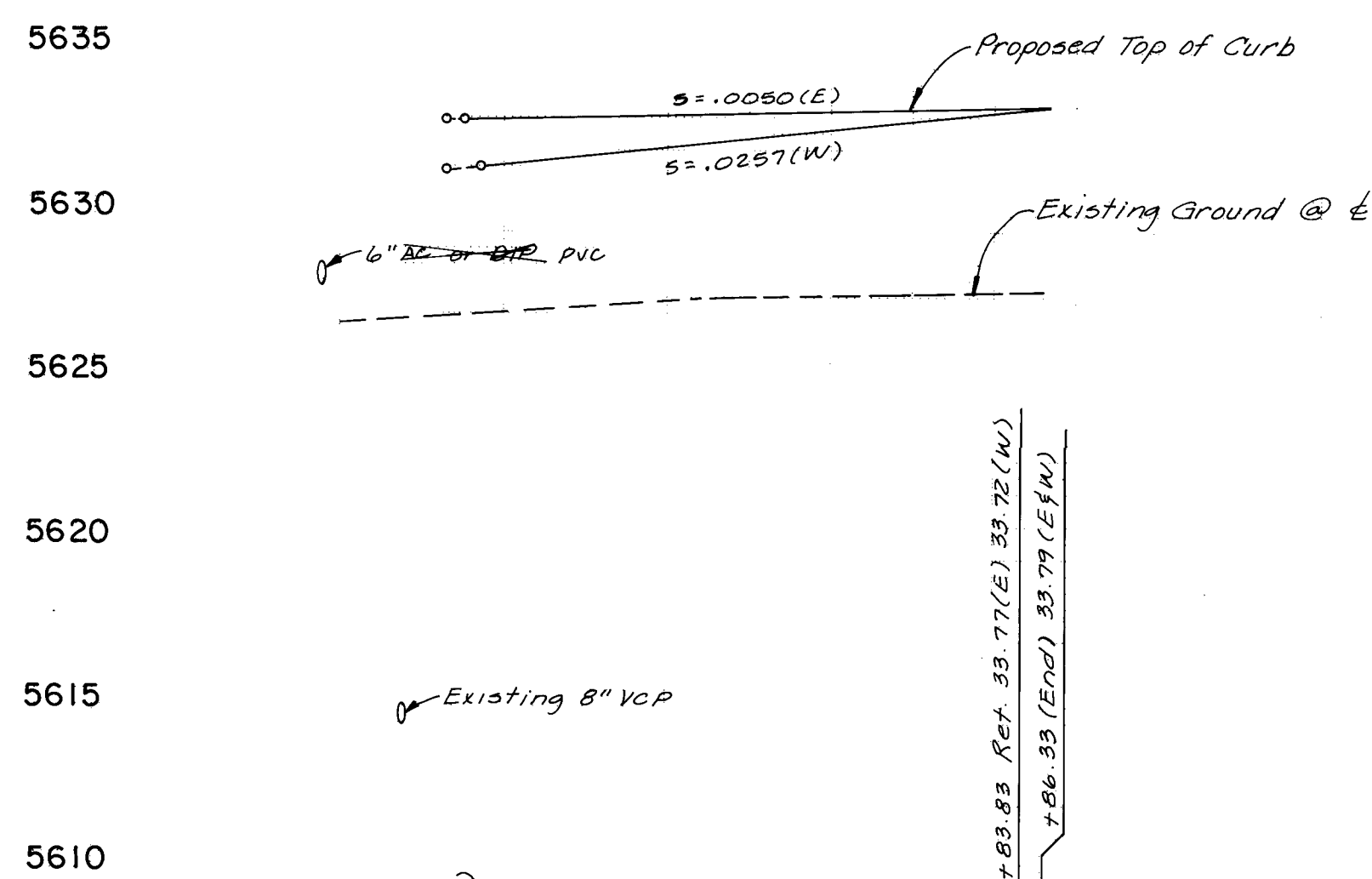
31.60

4

16 UNITS

PROPOSED

LOT J



26 1506 1684



5/24/83
Date

PROFESSIONAL DRAWING

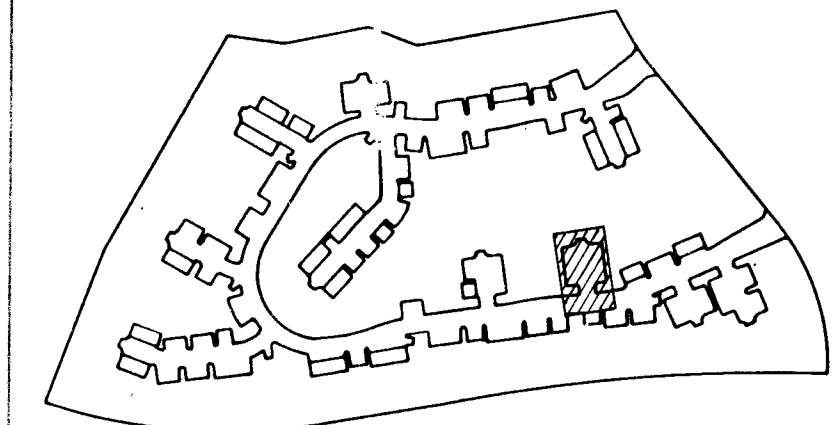
PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

SCALE:
1"=20' HOR.
1"= 5' VERT.

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE:					
ARROYO CHAMISA (PHASE I) LOT 1 & LOT J					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	7/10/82	Liquid Waste	<i>[Signature]</i>	10-14-82
A.C.E.-Design	<i>[Signature]</i>	7/20/82	Traffic	<i>[Signature]</i>	7/21/82
A.C.E.-Hydrology	N.A.	10/27/82	Water	<i>[Signature]</i>	10-14-82
APPROVED FOR CONSTRUCTION					
<i>[Signature]</i> 12/7/82					
CITY ENGINEER			DATE		
DRAWING NO.			1506		
SHEET			16 OF 19		

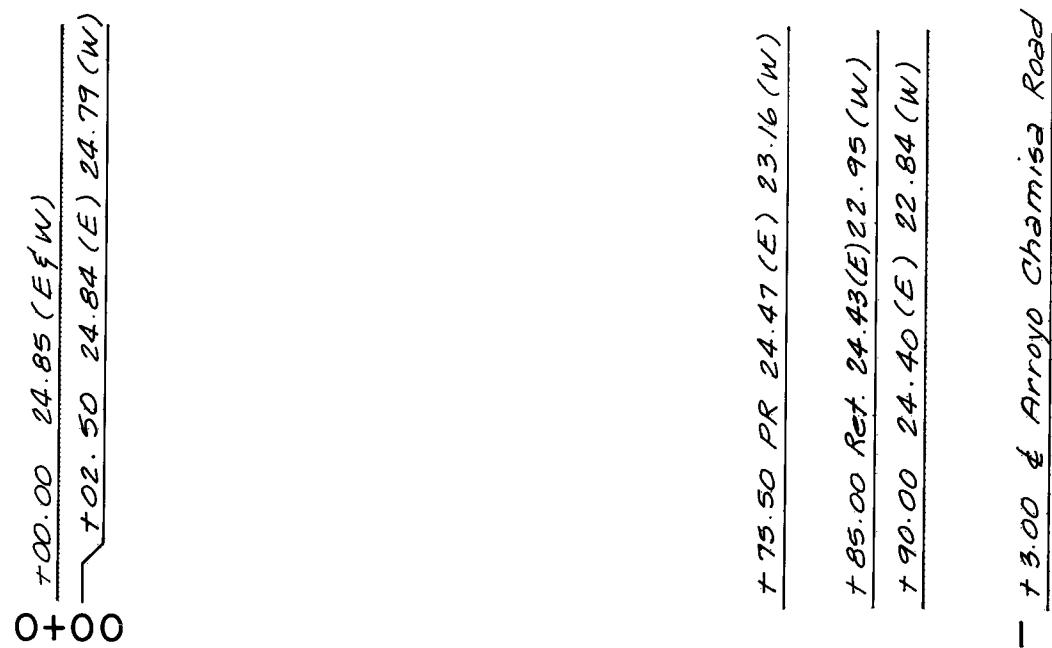
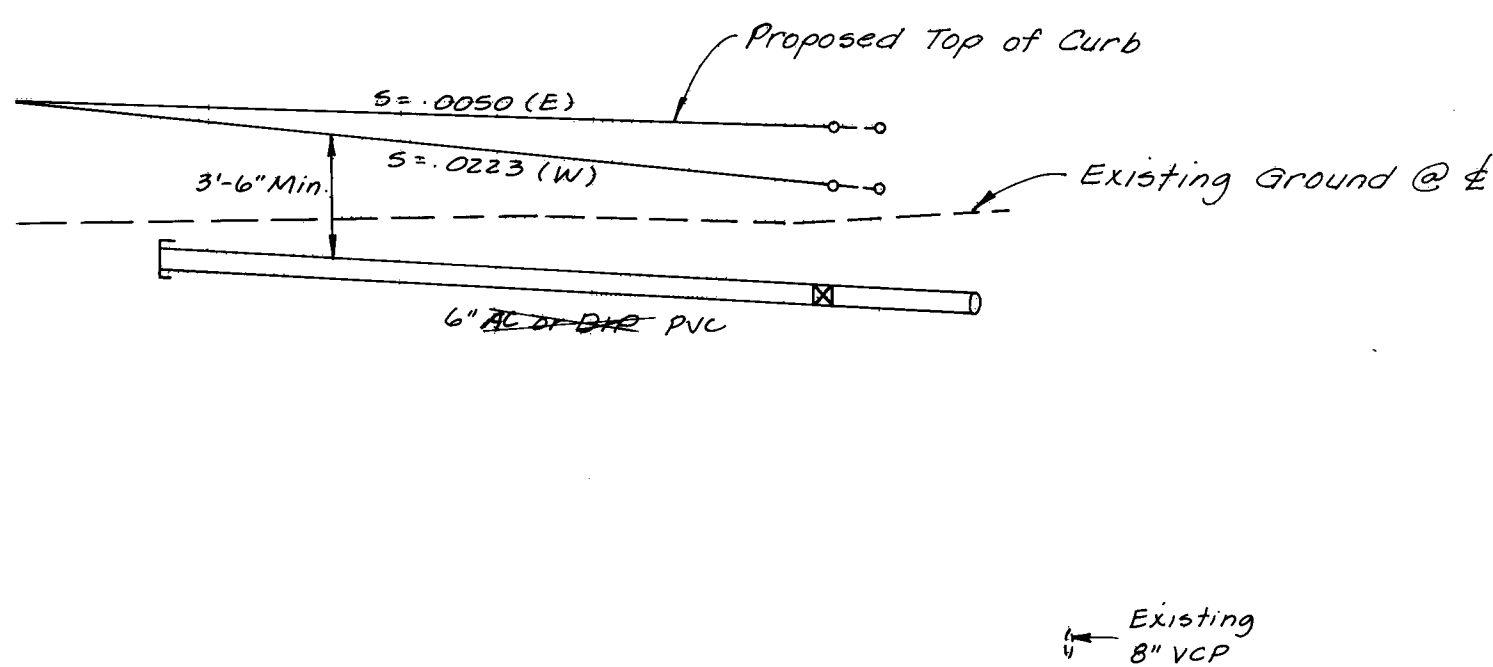
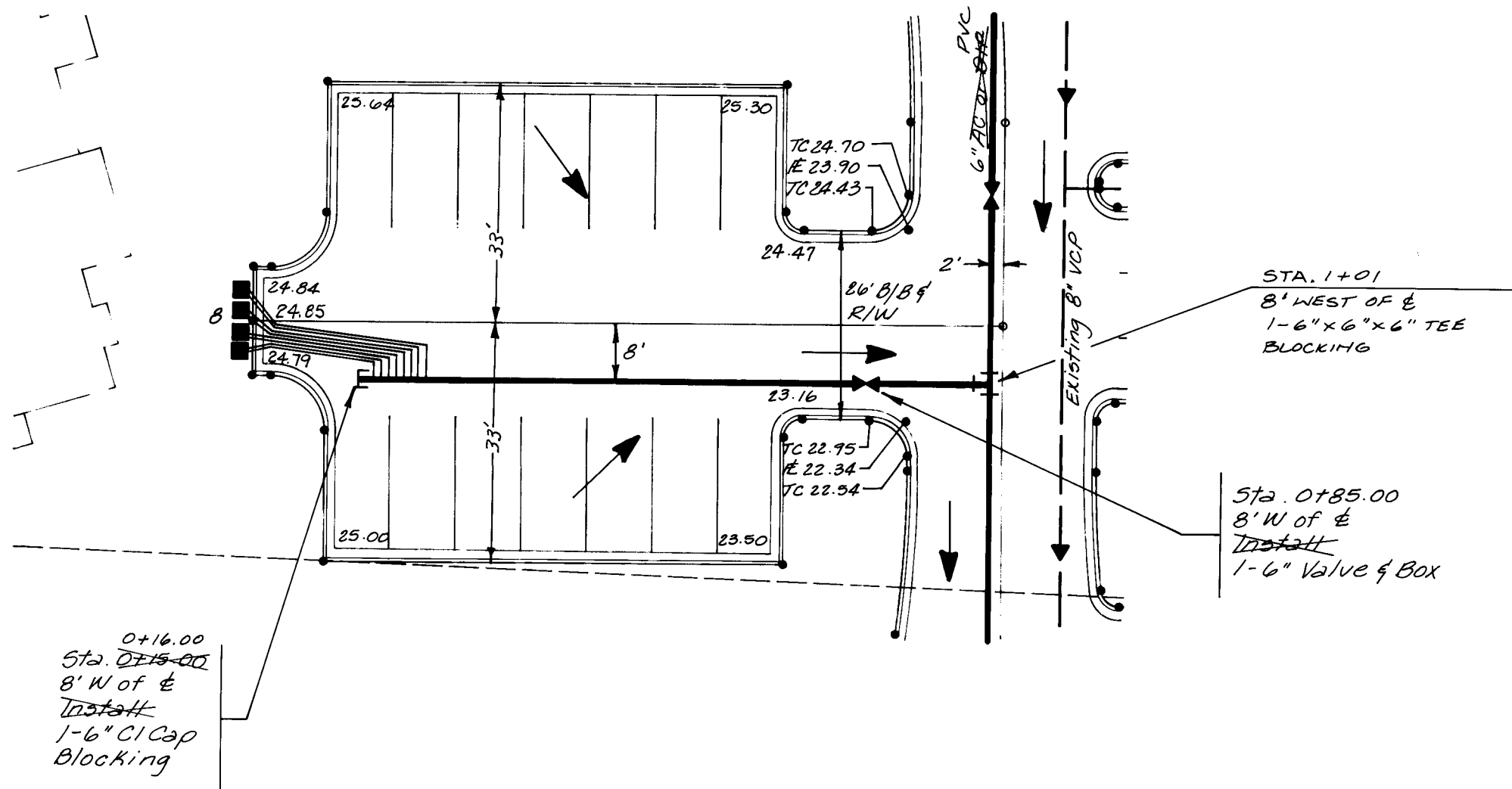
PLAN	DATE
BY	
CHECKED	
APPROVED	
DATE	

PROFILE	DATE
BY	
CHECKED	
APPROVED	
DATE	



LOCATION MAP

PHASE I CONSTRUCTION LOT K



The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

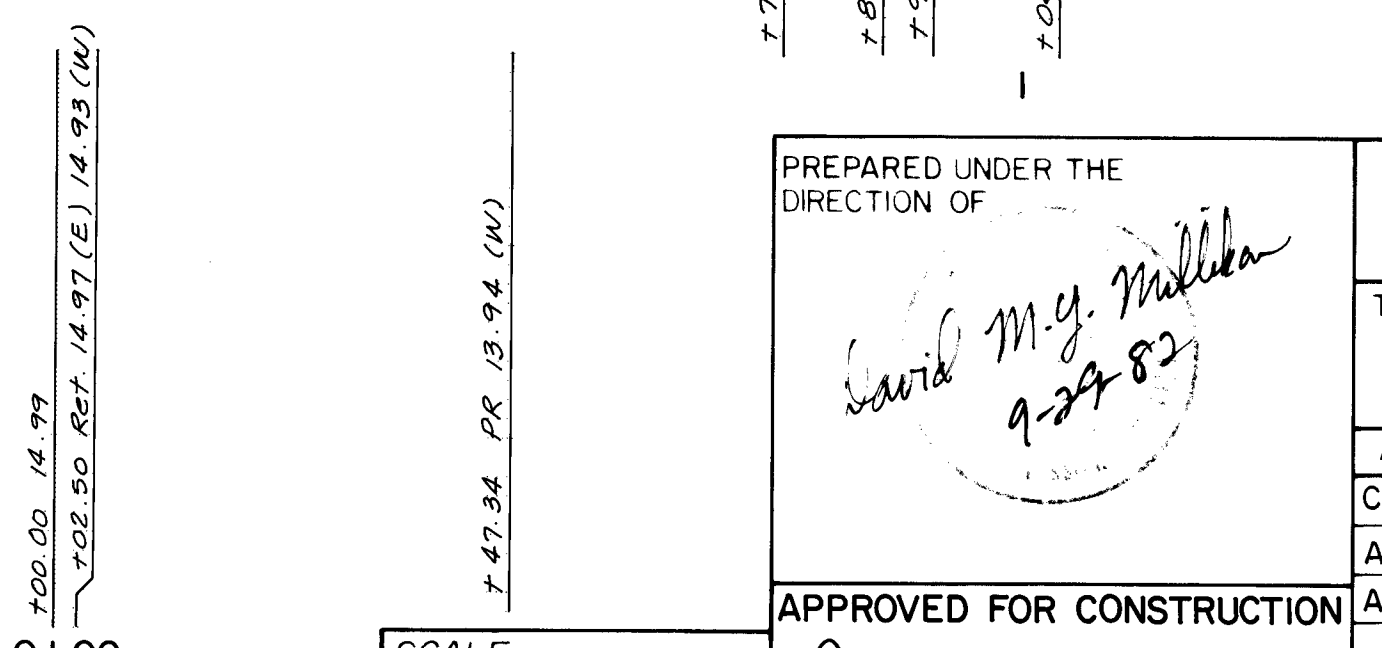
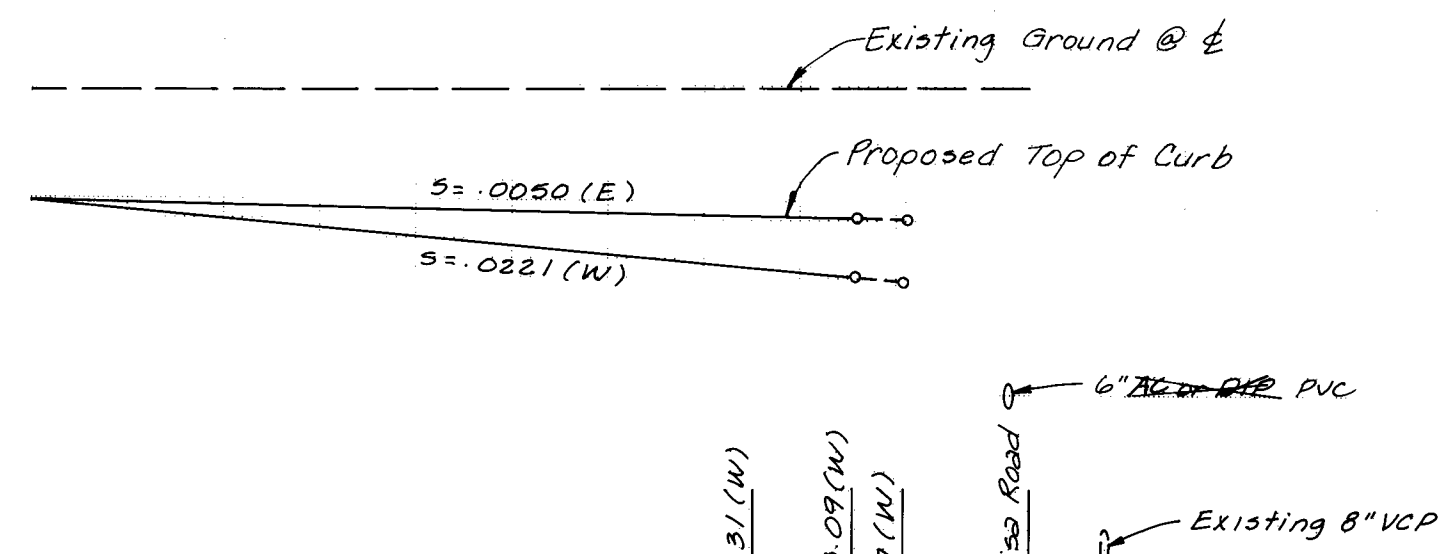
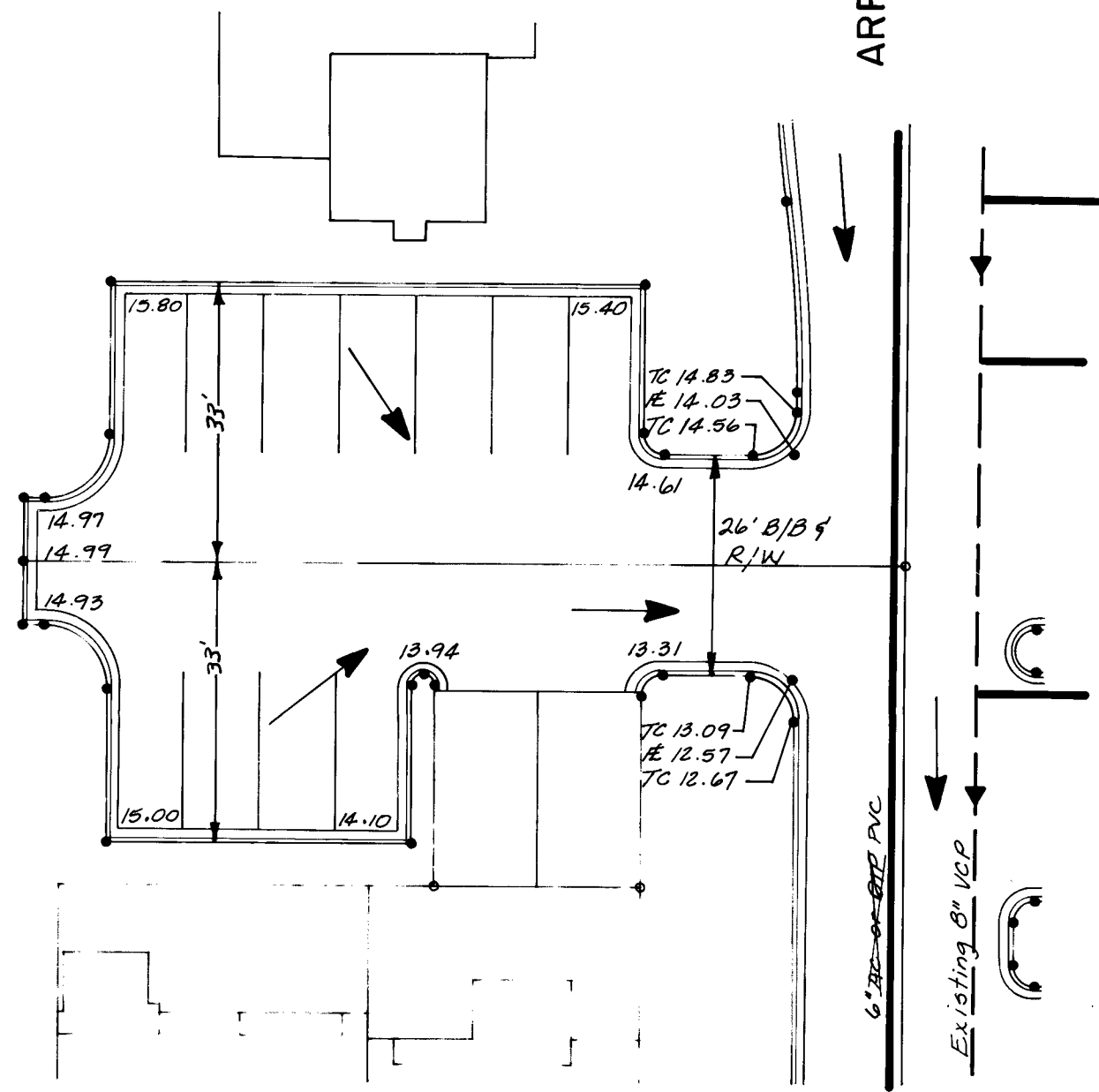
Prepared under the supervision of:

James L. Eymann
MSM/SP Group

James L. Eymann
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
6105
5/26/83
Date

PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

PHASE I-CONSTRUCTION LOT L



26 1506 1784

PREPARED UNDER THE DIRECTION OF

David M. G. Mulla
9-22-82

APPROVED FOR CONSTRUCTION

Richard S. Hale 12/1/82
CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ARROYO CHAMISA (PHASE I) LOT K & LOT L					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Richard S. Hale</i>	12/1/82	liquid Waste	<i>James L. Eymann</i>	12-14-82
A.C.E.-Design	<i>Richard S. Hale</i>	12/1/82	Traffic	<i>James L. Eymann</i>	12/1/82
A.C.E.-Hydrology	<i>Richard S. Hale</i>	12/1/82	Water	<i>James L. Eymann</i>	12-14-82
DRAWING NO. 1506					
			SHEET 17 OF 19		

AS-BUILT INFORMATION			
CONTRACTOR	J. R. HALE, INC.	DATE	
WORK	7A/MSM SP GROUP	DATE	
STAMPED BY	TABLET STAMPED "17-F21 SET FLUSH IN THE SIDEWALK IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF SPAIN ROAD AND EUBANK BOULEVARD."	DATE	
ACCEPTANCE BY	FIELD	DATE	
DATE	12/1/82	DATE	
DATE	5/83	DATE	
DATE	5/83	DATE	
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.		DATE	

PLAN	DATE	BY	DATE
SURVEYED			
NOTED			
NOTES			
NO			

PROFILE	DATE	BY	DATE
SURVEYED			
NOTED			
NOTES			
NO			

LOT	STATION/BEARING	LENGTH	INV. @ PLUG
M	0+21.00(S)	6	39.04 89.1
	0+14.00(N)	16	39.04 89.4
	0+31.00(S)	31	39.40 90.5
	0+36.00(N)	47	39.80 91.0
	0+49.00(S)	31	39.72 90.8
	0+69.22(S)MH	32	39.80 90.8
	N4°10'E		
	0+77.00(N)	40	39.82 91.6
	1+19.00(S)	29	39.70 92.8
	1+21.00(N)	21	39.60 92.5

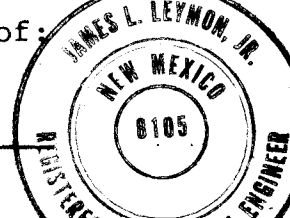
PHASE I-CONSTRUCTION

LOT M

The undersigned does hereby certify that this drawing was revised in accordance with information furnished by J.R. Hale Contracting Company, Inc. (Contractor) and MSM/SP Group (Surveyor) to reflect the reported location of the work as actually accomplished.

Prepared under the supervision of:

James L. Leymon, Jr.
MSM/SP Group



5/26/83
Date

RECORD DRAWING

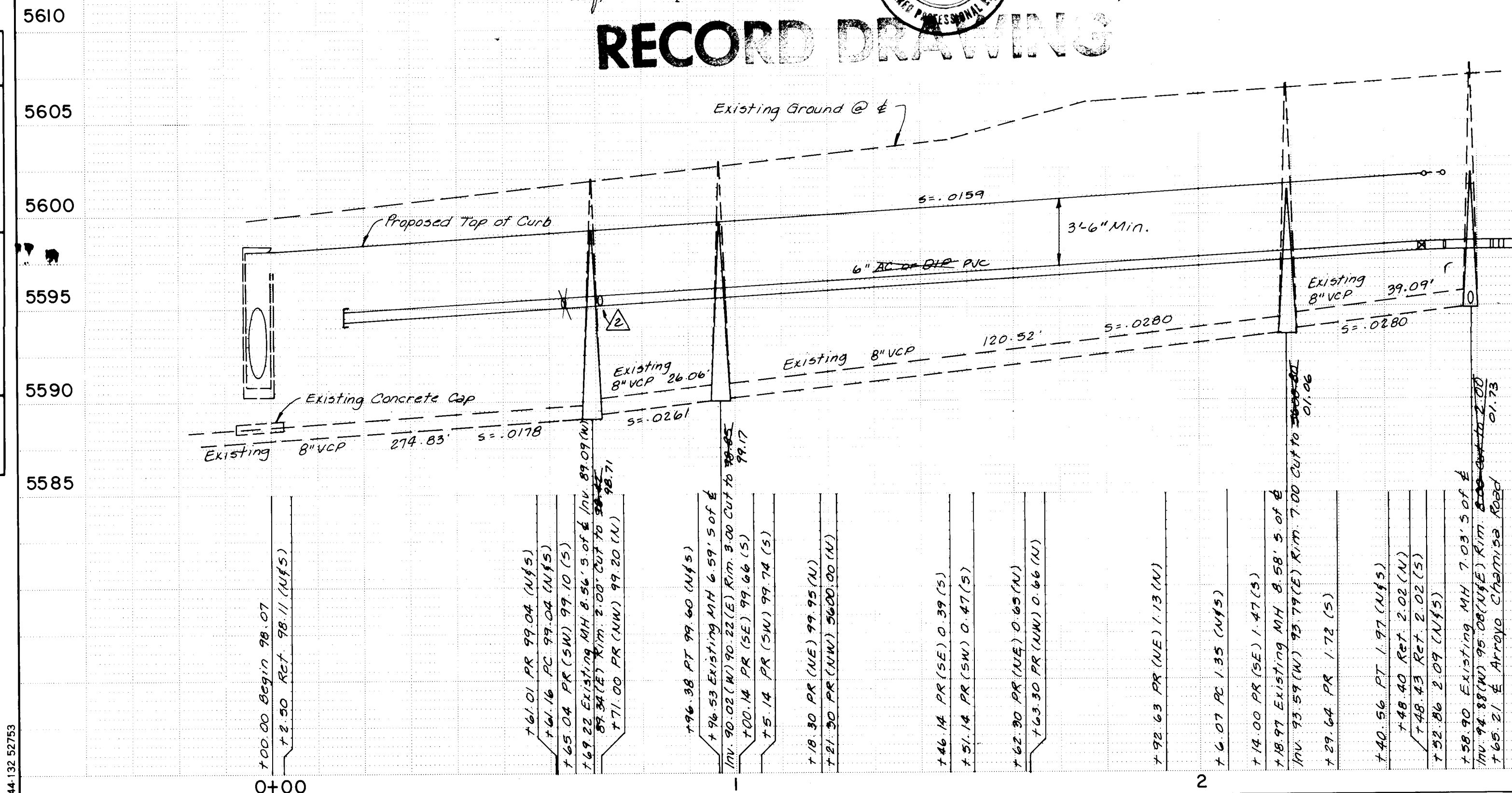
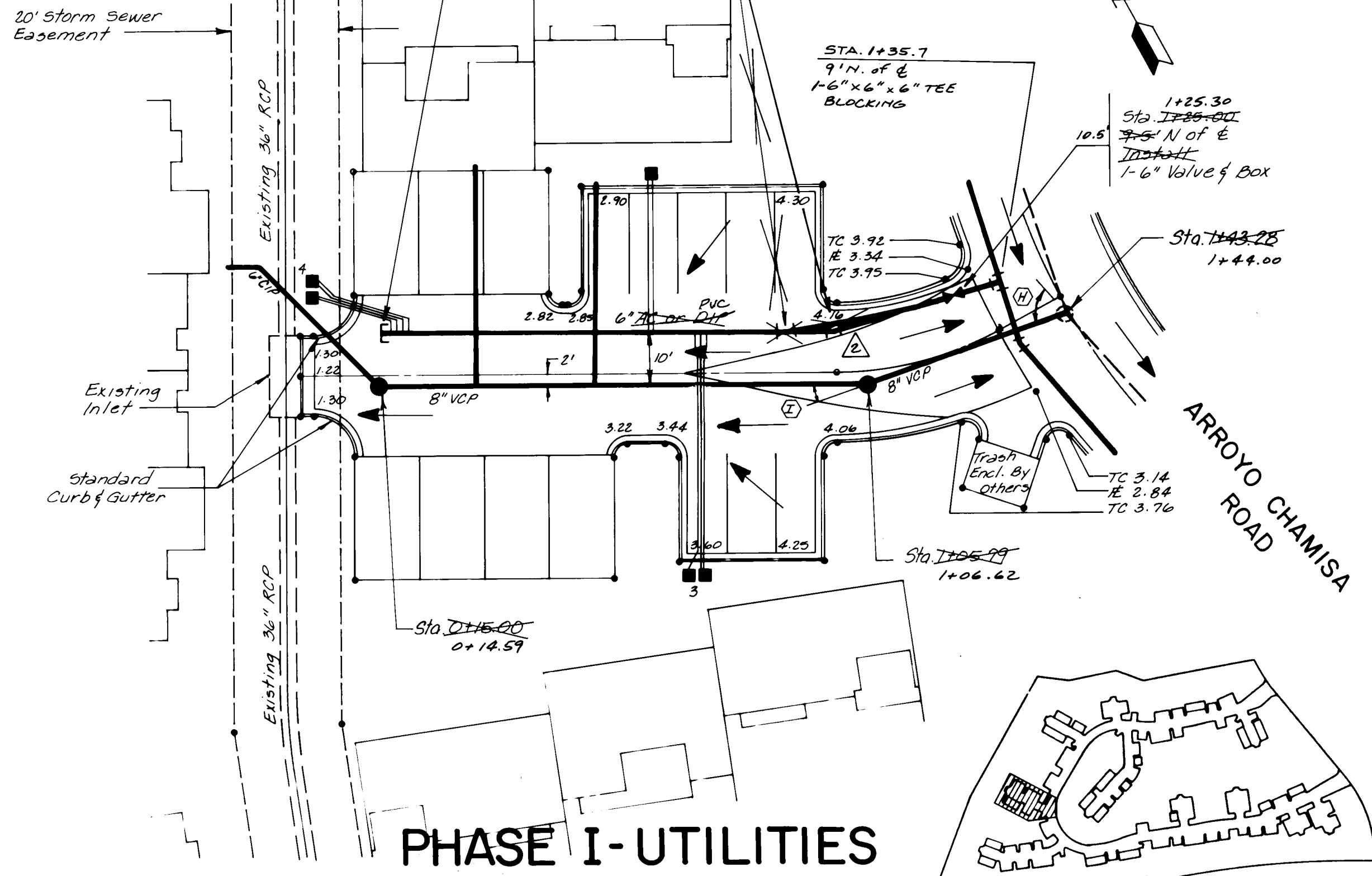


PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

LOT	STATION/BEARING	LENGTH	INV. @ PLUG
M	1+38.00(S)	29	39.04 89.1
	1+71.00(S)	32	39.04 89.4
	2+08.00(S)	32	39.40 90.5
	2+22.27	6	39.80 91.0
	N23°16'W		
N	0+15.00	54.5	39.82 91.6
	S16°25'E		
	0+32.00(N)	41	39.70 92.8
	0+66.00(N)	38	39.60 92.5

LOCATION MAP



PHASE I-UTILITIES

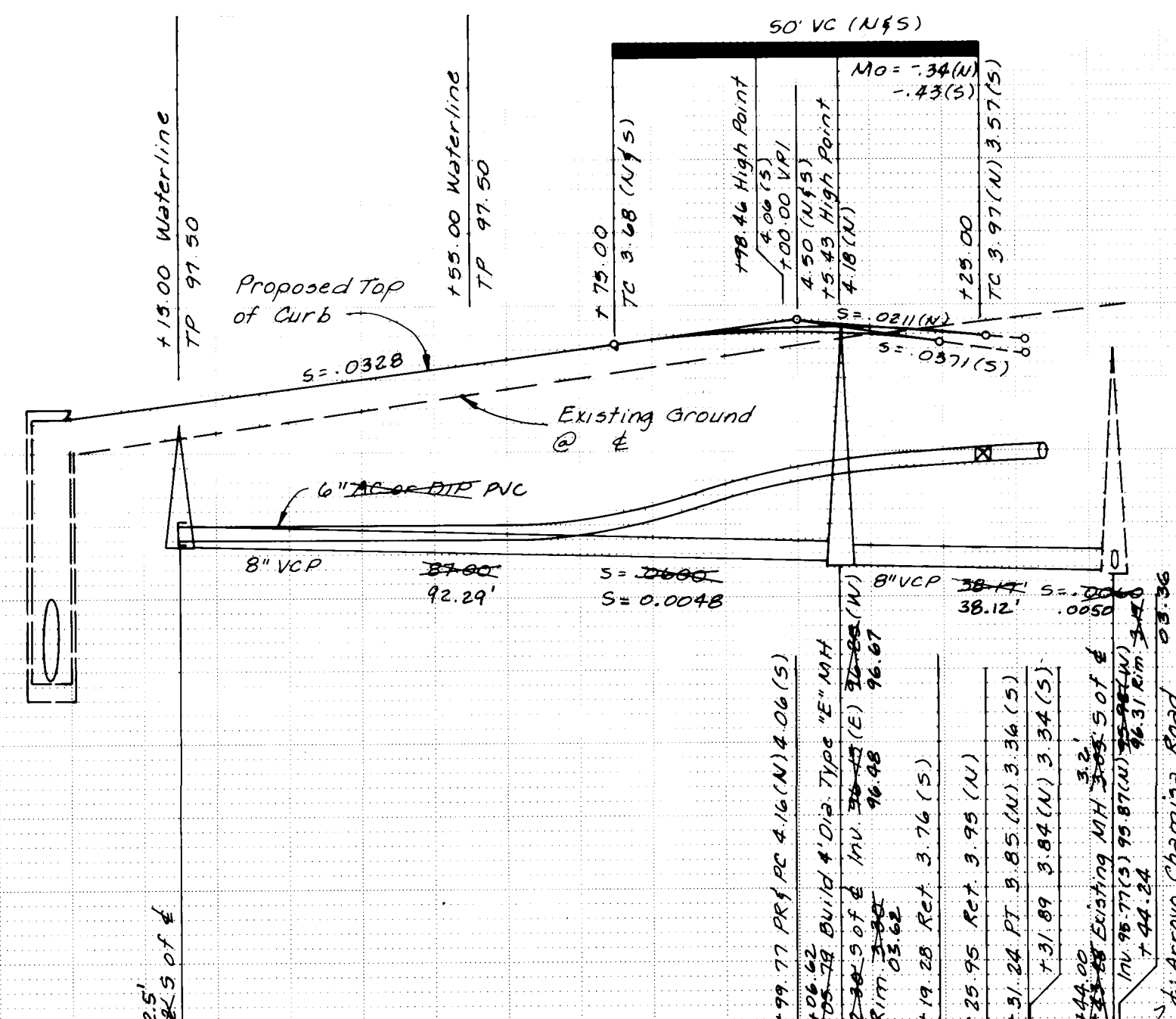
PHASE II LOT N PAVING

LOCATION MAP

5610

5605

5600



STATION	ELEVATION	REMARKS
0+00	5585.00	EXISTING CONCRETE CAP
0+15.00	5590.00	EXISTING 8" VCP
0+32.00	5595.00	EXISTING 8" VCP
0+66.00	5600.00	EXISTING 8" VCP
1+00.00	5605.00	EXISTING 8" VCP
1+38.00	5610.00	EXISTING 8" VCP
1+71.00	5610.00	EXISTING 8" VCP
2+08.00	5610.00	EXISTING 8" VCP
2+22.27	5610.00	EXISTING 8" VCP
2+00.00	5610.00	EXISTING 8" VCP

PREPARED UNDER THE DIRECTION OF
James L. Leymon, Jr.
9-29-83

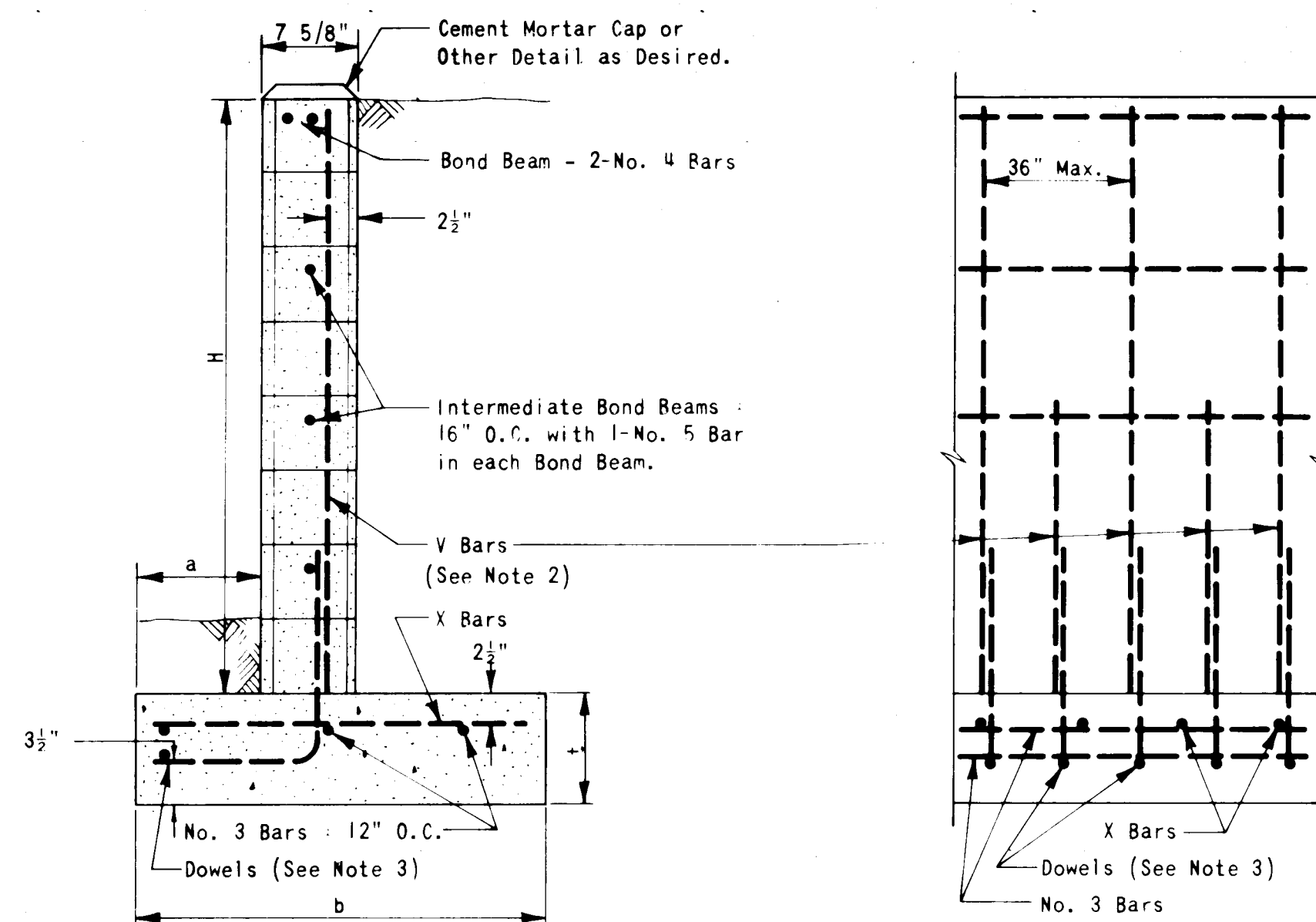
APPROVED FOR CONSTRUCTION

CITY ENGINEERING

DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: ARROYO CHAMISA (PHASE I) LOT M & LOT N			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>James L. Leymon, Jr.</i>	11/12/82	Liquid Waste
A.C.E. Design	<i>James L. Leymon, Jr.</i>	11/12/82	Traffic
A.C.E. Hydrology	<i>James L. Leymon, Jr.</i>	11/12/82	Water
DRAWING NO. 1506		SHEET 18 OF 19	

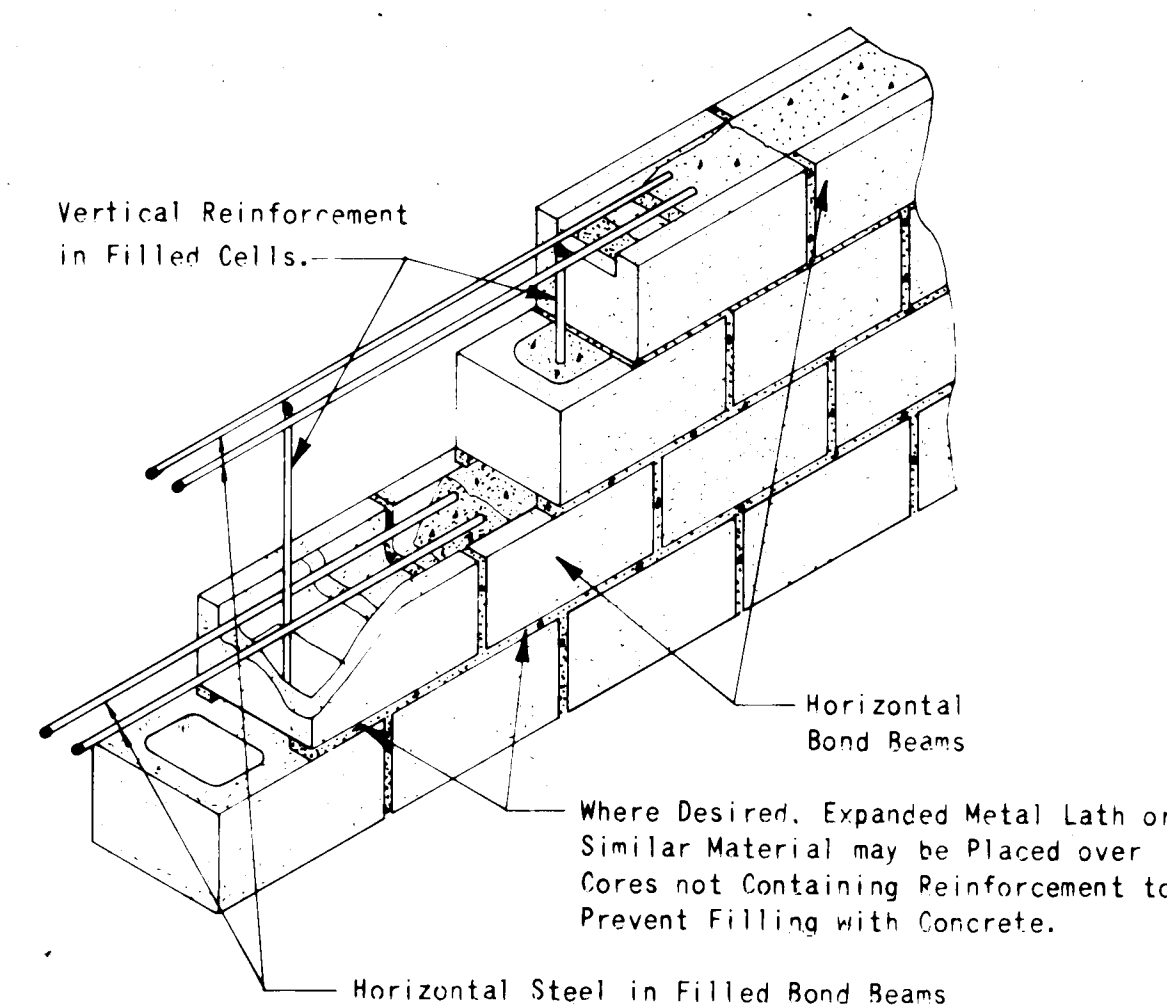
AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES			
CONTRACTOR J.R. HALE, INC.				THE STATION IS A STANDARD ACS BRASS				MAP NO. F-21				REVISIONS			
WORK ORDER 87/1000 SP. GROUP				TABLET STAMPED "17"-F21 SET FLUSH IN THE				EST. NO.				NO.			
INSPECTOR				SIDEWALK IN THE NORTHEAST QUADRANT				BY				DATE			
DATE 12/82				OF THE INTERSECTION OF SPAIN ROAD				NO.				DATE			
DATE 5/83				AND EUBANK BOULEVARD.				NO.				DATE			
ELEVATION = 5577.51				ELEVATION = 5577.51				NO.				DATE			
RECORDED BY				RECORDED BY				NO.				DATE			



CROSS SECTION
ELEVATION
REINFORCED CONCRETE MASONRY - 8" WALLS

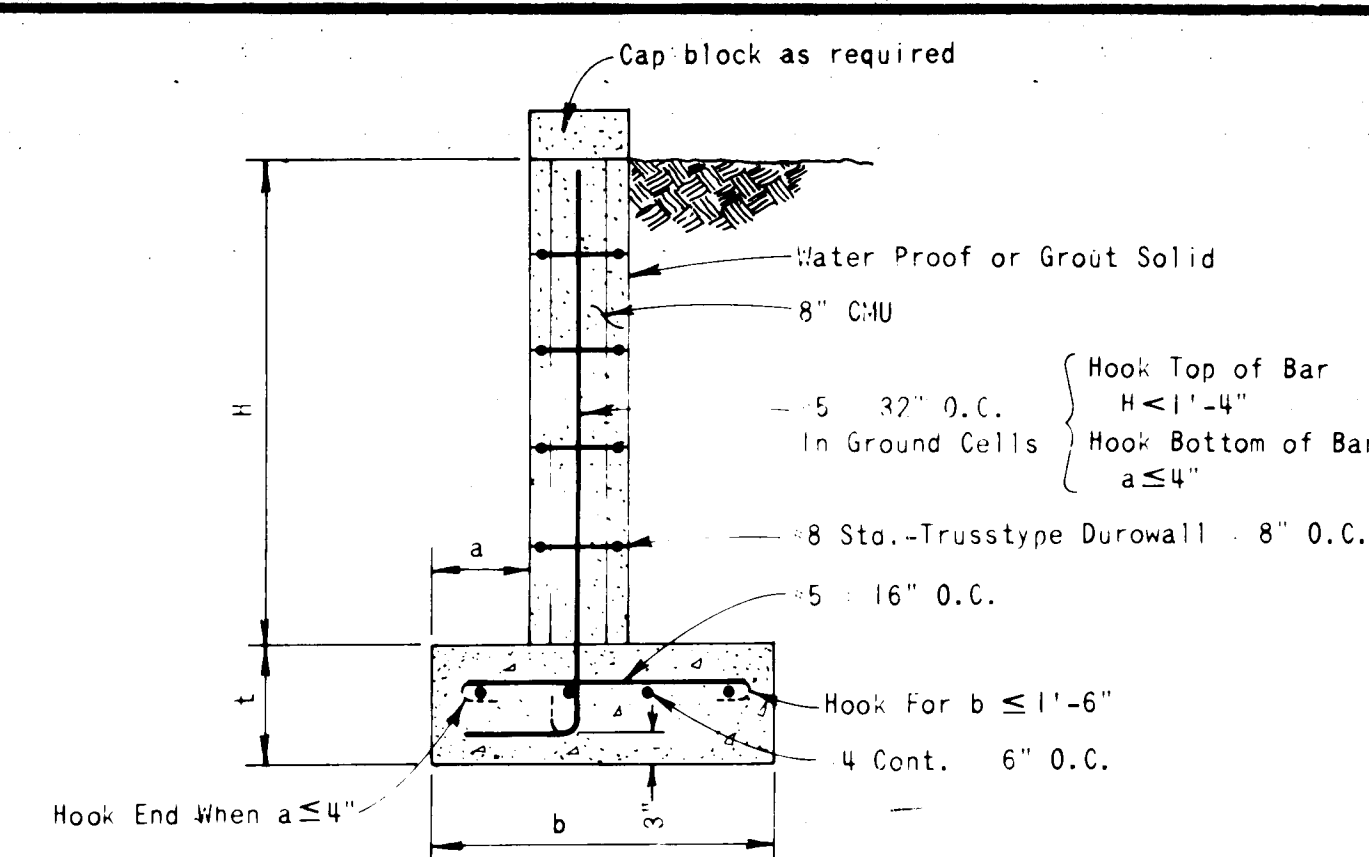
H	a	b	t	V Bars	X Bars
ft.-in.	in.	ft.-in.	in.	(See Note 2)	(See Note 2)
2'-4"	8"	2'-4"	10"	No. 4 : 32"	No. 4 : 27"
4'-0"	10"	2'-9"	10"	No. 4 : 32"	No. 4 : 27"
4'-8"	12"	3'-3"	10"	No. 5 : 32"	No. 4 : 27"
5'-4"	14"	3'-8"	10"	No. 4 : 16"	No. 4 : 30"
6'-0"	15"	4'-2"	12"	No. 6 : 24"	No. 4 : 25"

- GENERAL NOTES:
- Reinforcement of a size and spacing other than indicated above may be used, provided such other reinforcement will furnish an area of steel at least equal to that indicated in the table.
 - Alternate V Bars may be stopped at the mid-height of the wall (H/2) if the spacing of the bars extending to the top will not exceed 36"
 - Dowels shall be at least equal in size and spacing to the V Bars, shall project a minimum of 30 bar diameters into the filled block cores and shall extend to the toe of the footing.
 - Walls designed for level backfill only.



- NOTE:
- Masonry Units to Conform to Grade N-I ASTM C 90 of latest Revision.
 - Mortar and Grout to Conform to ASTM C 476 of latest Revision.

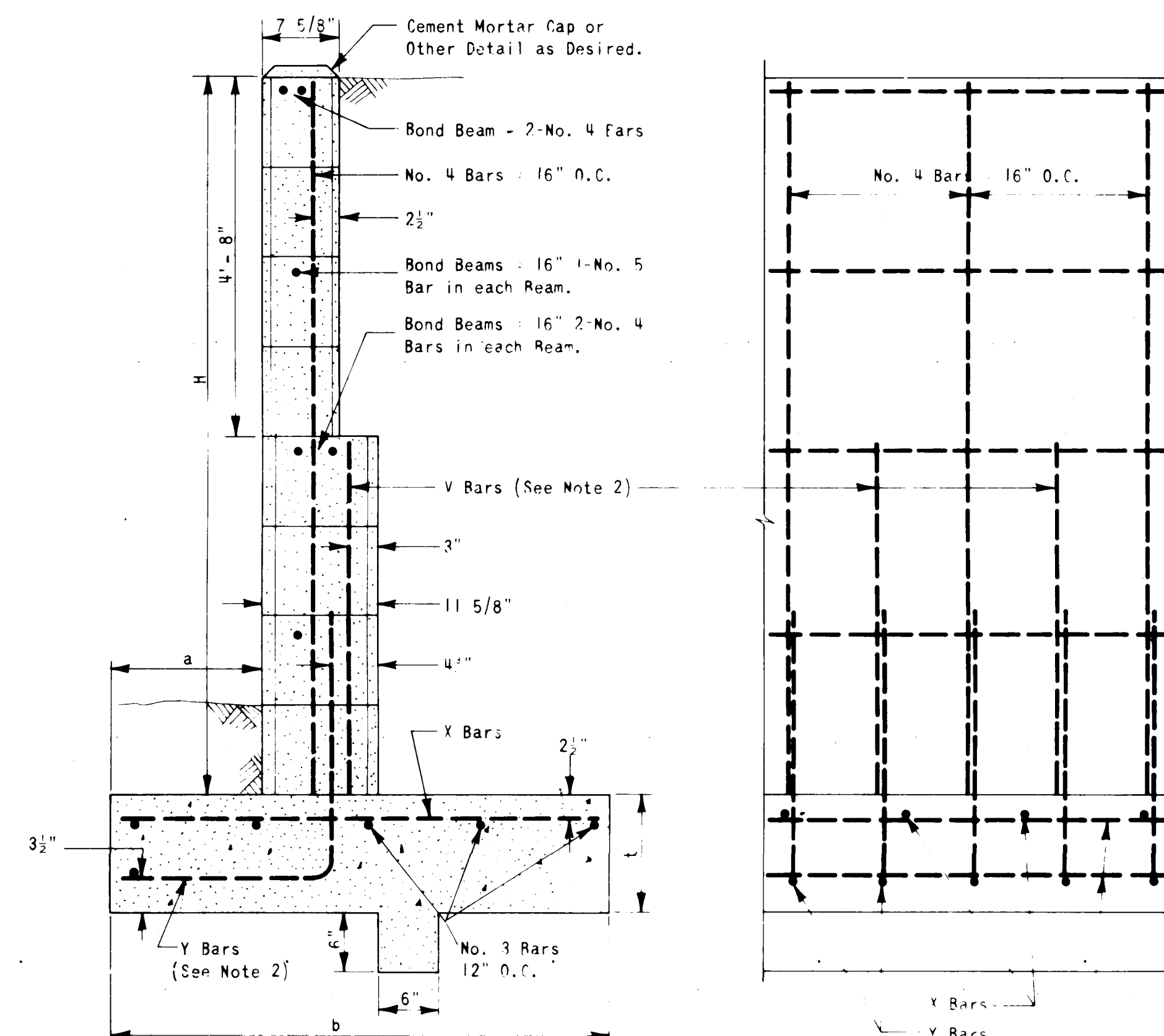
REINFORCED CONCRETE MASONRY WALL CONSTRUCTION



H	a	b	t
3'-4"	8"	2'-4"	10"
2'-8"	8"	2'-0"	10"
2'-0"	4"	1'-6"	10"
1'-4"	4"	1'-6"	10"
0'-8"	4"	1'-4"	10"
3'-0"	0	2'-4"	10"
2'-8"	0	2'-0"	10"
2'-0"	0	1'-6"	10"
1'-4"	0	1'-6"	10"
0'-8"	0	1'-4"	10"

REINFORCED CONCRETE MASONRY WALL 0 to 3'-4"

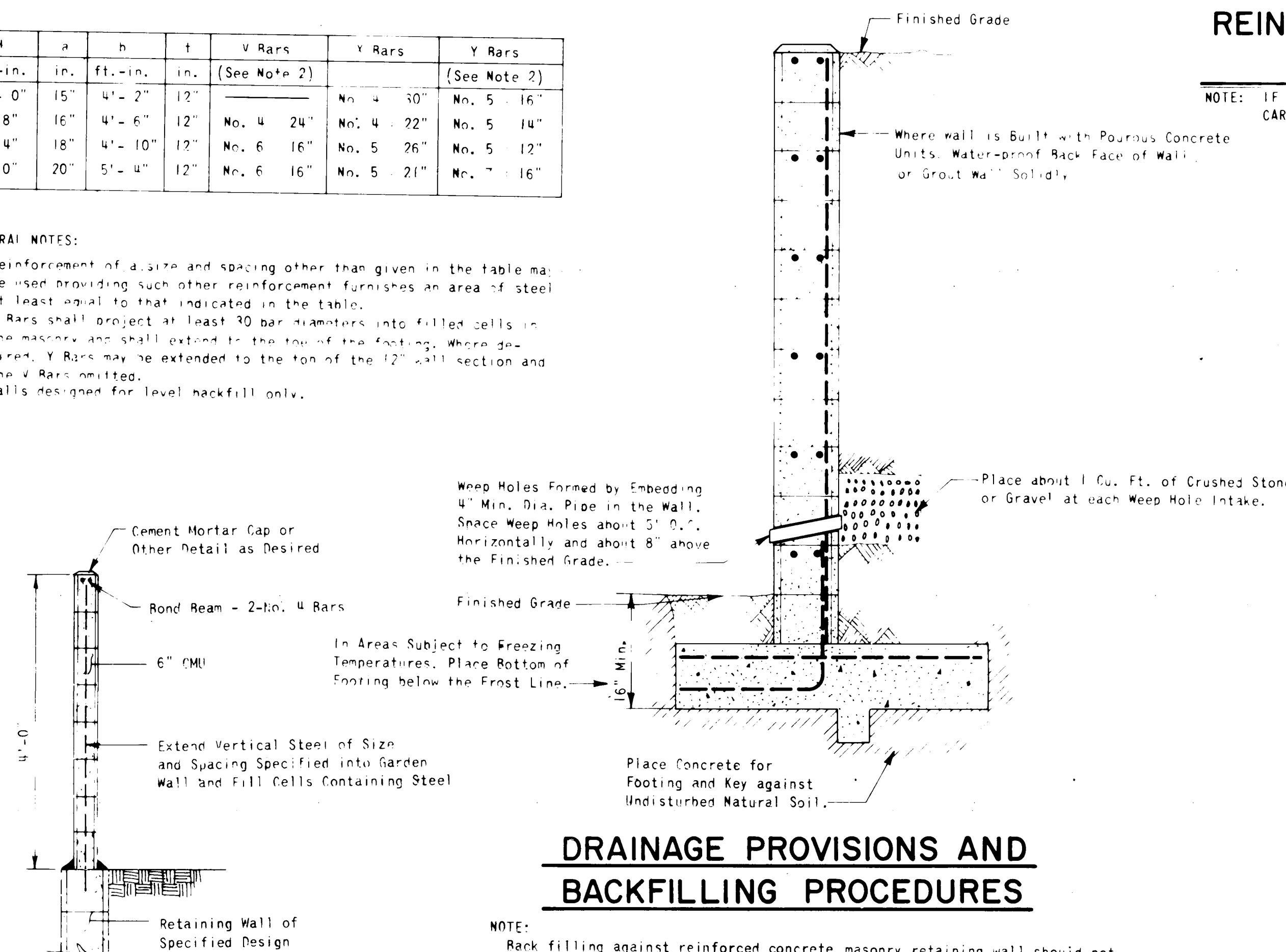
NOTE: IF STEEL IS PLACED 2" FROM THE LOADED FACE OF THE WALL AND THIS PRACTICE IS CAREFULLY CONTROLLED, 6" C.M.U. BLOCKS MAY BE USED IN LIEU OF 8" C.M.U. BLOCKS.



CROSS SECTION
ELEVATION
REINFORCED CONCRETE MASONRY - 8" & 12" WALLS

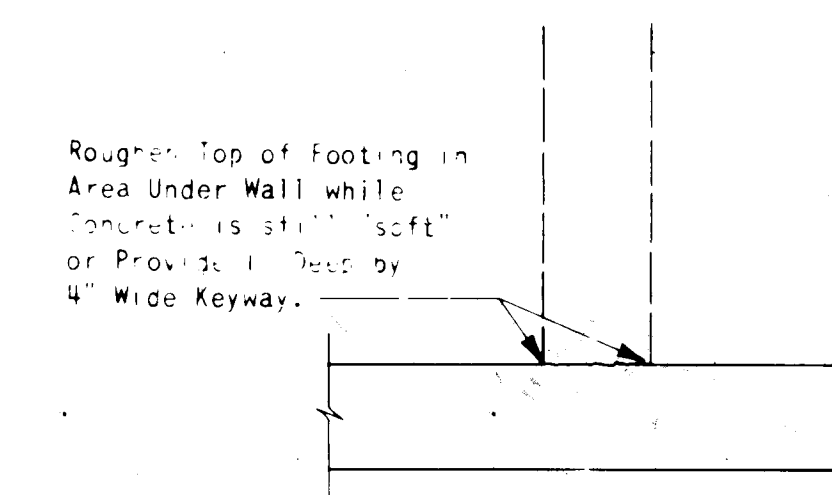
H	a	b	t	V Bars	X Bars	Y Bars
ft.-in.	in.	ft.-in.	in.	(See Note 2)	(See Note 2)	(See Note 2)
6'-0"	15"	4'-2"	12"	No. 4 : 24"	No. 4 : 30"	No. 5 : 16"
6'-8"	16"	4'-6"	12"	No. 4 : 22"	No. 4 : 22"	No. 5 : 14"
7'-4"	18"	4'-10"	12"	No. 6 : 16"	No. 5 : 26"	No. 5 : 12"
8'-0"	20"	5'-4"	12"	No. 6 : 16"	No. 5 : 21"	No. 7 : 16"

- GENERAL NOTES:
- Reinforcement of a size and spacing other than given in the table may be used providing such other reinforcement furnishes an area of steel at least equal to that indicated in the table.
 - V Bars shall project at least 30 bar diameters into filled cells in the masonry and shall extend to the top of the footing, where desired, Y Bars may be extended to the top of the 12" wall section and the V Bars omitted.
 - Walls designed for level backfill only.



DRAINAGE PROVISIONS AND BACKFILLING PROCEDURES

NOTE:
Back filling against reinforced concrete masonry retaining wall should not be permitted until at least 7 days after placing the core fill concrete or grout. Where heavy equipment is used in back filling walls designed to resist earth pressure only, such equipment should not approach closer to the top of the wall than a distance equal to the height of the wall. Care should also be taken to avoid exerting large impact forces on the wall as could be caused by a large mass of moving earth.



GENERAL DETAIL FOR ALL WALLS

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES			
CONTRACTOR	WORK	DATE	DATE	THE STATION IS A STANDARD ACS BRASS	TABLET STAMPED "17-F21 SET FLUSH IN THE SIDEWALK IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF SPAIN ROAD AND EUBANK BOULEVARD."	DATE	DATE	MAP NO. F-21	EST. NO.	W. O. NO.	NO.	NO.	NO.	NO.	
MICRO-FILM INFORMATION				REVISIONS				REVISIONS				REVISIONS			
RECORDED BY	NO.	DATE	DATE	NO.	DATE	DATE	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE	

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: ARROYO CHAMISA (PHASE I) RETAINING WALL DETAILS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	NA	10-4-82	Liquid Waste
A.C.E.-Design	NA	10-4-82	Traffic
A.C.E.-Hydrology	NA	10-4-82	Water
APPROVED FOR CONSTRUCTION		DRAWING NO. 1506	
CITY ENGINEER		SHEET 19 OF 19	