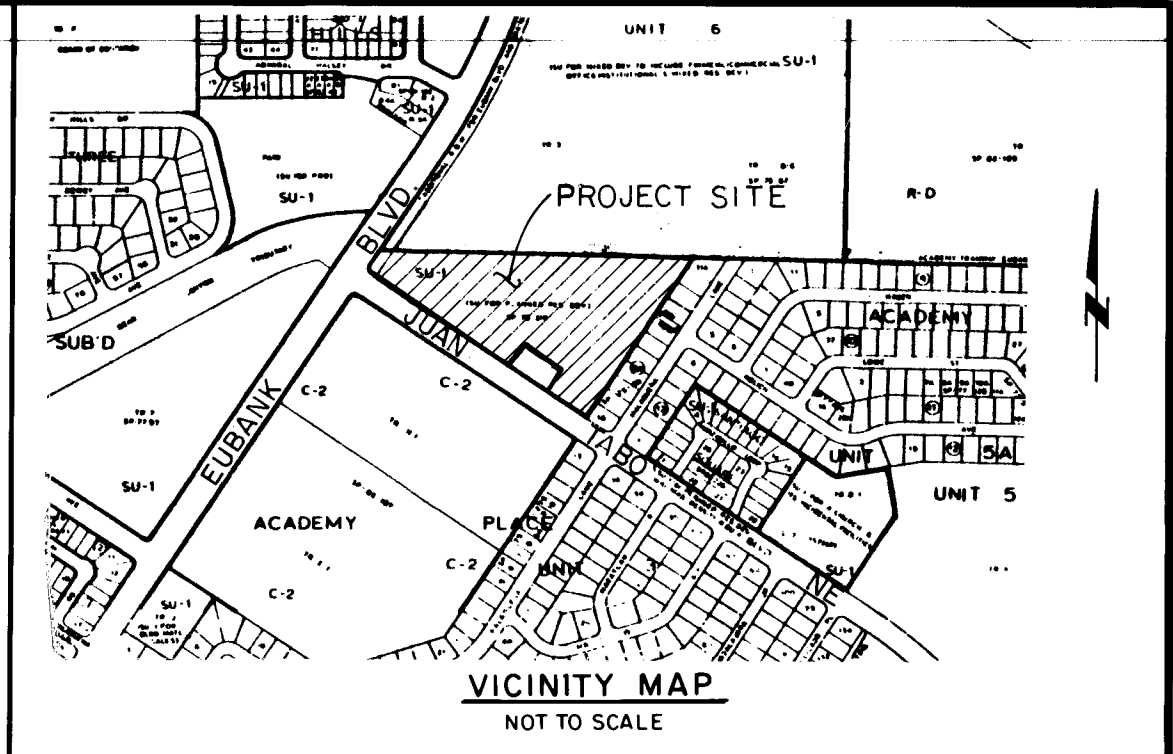


TIERRA ANTIGUA
WATER, SANITARY SEWER & STORM DRAIN
IMPROVEMENT PLAN
ALBUQUERQUE, NEW MEXICO

INDEX

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19	RETAINING WALL DETAILS



GENERAL NOTES

NOTICE TO CONTRACTORS

- NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION"
- 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.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 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.

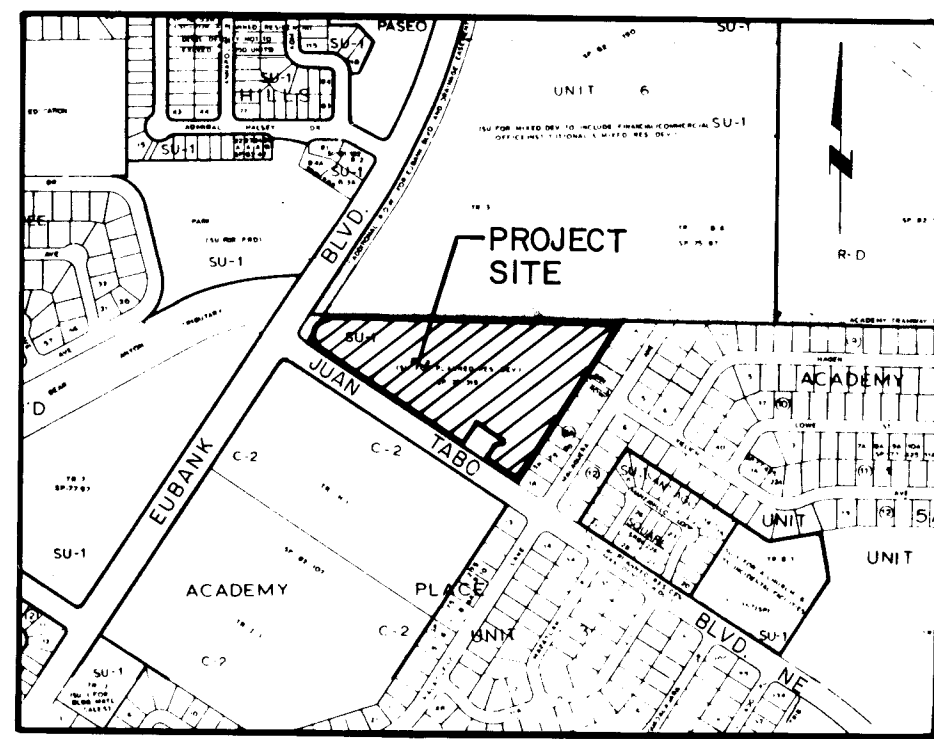
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPENED 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.

26 20620185

REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									
						APPROVED FOR CONSTRUCTION 			
		PROJECT NUMBER 2062				SHEET 1 OF 19			

1005



LOCATION MAP
ZONE ATLAS MAP NO. E-21-Z

SUBDIVISION DATA

- Zone Atlas Index No. E-21-Z
- Gross Subdivision Acreage: 9.4801 Acres
- Date of Survey: August 1983
- Total number of Tracts created: 1 Tract
- Total number of Building Sites Created: 21 Sites

NOTES

- Shading based on the northerly boundary of Tract 3B of RE-PLAT OF TRACTS 3 OF ACADEMY HILLS SUBDIVISION, UNIT 6, filed September 29, 1983 in Volume C22, Folio 56, bearing = $588^{\circ}49'48''$ E.
- Distances are ground distances.
- Rebar with Aluminum Survey cap stamped LS 5110 were found in place and designated by ●.
- P.K. Nail found in wall designated by ②.
- P.K. Nail found in asphalt designated by ③.
- All interior Roads and Drives are private roads and drives.
- Easements are reserved where shown for future underground utilities.
- Set 5/8" rebar with red plastic survey cap 7" in diameter, stamped Weaver LS 6544 designated by ▲.

DESCRIPTION

A certain tract of land within the south 1/2 of Section 28, Township 11 North, Range 4 East, N.M.P.M. in Albuquerque, New Mexico, composed of all of Tract 3B as the same is shown and designated on the Replat of Tract 3 of Academy Hills Subdivision, Unit 6 filed in the office of the County Clerk of Bernalillo County, New Mexico on September 29, 1983 and being more particularly described by said replat bearings and ground distances as follows:

BEGINNING at a point of curvature on the northerly right-of-way of Juan Tabo Boulevard, N.E. and also being the southwest corner of said Tract 3B, whence the Albuquerque Control Station 1-E21-A, a brass cap (having New Mexico State Plane Unit Coordinates, Central Zone: X=416,573.86, Y=1,508,343.48) bears $S40^{\circ}00'08''$ W, 1463.41 feet and from said point of beginning running thence:
39.27 feet along the arc of a curve to the right having a radius of 25.00 feet and a chord bearing $N11^{\circ}49'48''$ W, 35.36 feet to a point of tangency on the easterly right-of-way of Eubank Boulevard, N.E. and also being a p.v.m. on the westerly boundary of said Tract 3B, thence continuing along said right-of-way and also along the westerly boundary of said Tract 3B, $N33^{\circ}10'12''$ E, 82.89 feet to the northwest corner of said Tract 3B, thence:
 $S88^{\circ}49'48''$ E, 1192.36 feet to the northeast corner of said Tract 3B, thence:
 $S33^{\circ}10'12''$ W, 757.00 feet to the southeast corner of said Tract 3B and also being a point on the northerly right-of-way of said Juan Tabo Boulevard, N.E. thence continuing along the southerly boundary of said Tract 3B and also along the northerly right-of-way of Juan Tabo Boulevard, N.E., $N56^{\circ}49'48''$ W, 138.81 feet to the southeast corner of Tract 3C of said Replat, thence being said right-of-way and continuing along the easterly boundary of said Tract 3C, $N33^{\circ}10'12''$ E, 68.82 feet to a point, thence:
 $N38^{\circ}08'23''$ E, 56.64 feet to the northeast corner of said Tract 3C, thence:
 $N56^{\circ}49'48''$ W, 157.16 feet to the northwest corner of said Tract 3C, thence, $S33^{\circ}10'12''$ W, 125.29 feet to the southwest corner of said Tract 3C, said corner being a point on the northerly right-of-way of Juan Tabo Boulevard, N.E. thence continuing along said right-of-way and also along the southerly boundary of said Tract 3B, $N56^{\circ}49'48''$ W, 683.94 feet to the point and place of beginning.

Tract contains 9.4801 acres, more or less.

84 47731

REPLAT
OF

TRACT-3B OF ACADEMY HILLS SUBDIVISION, UNIT 6

(FILED: SEPTEMBER 29, 1983)

NOW COMPRISING

TIERRA ANTIGUA

ALBUQUERQUE, NEW MEXICO

FEBRUARY 1984

DEDICATION

THE SUBDIVISION OF THE LAND HEREON DESCRIBED IS WITH FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) AND/OR PROPRIETOR(S) THEREOF AND SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY DEDICATE THE 0.0379 ACRES OF PUBLIC RIGHT-OF-WAY AND DO HEREBY GRANT THE PUBLIC UTILITY EASEMENTS AS SHOWN HEREON THAT INCLUDES EASEMENTS FOR UNDERGROUND AND BURIED SERVICE WIRES FOR ELECTRIC POWER, GAS, SANITARY SEWER, STORM DRAINAGE, WATER AND TELEPHONE LINES TO BE INSTALLED, MAINTAINED AND SERVED TO PROVIDE ELECTRIC POWER, GAS 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.

Frank A. Passadore Feb. 16, 1984
GRUPE CONSTRUCTION WEST, INC.
FRANK A. PASSADORE, PRESIDENT

STATE OF CALIFORNIA)
COUNTY OF SAN JOAQUIN)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 16 DAY OF February 1984 BY FRANK A. PASSADORE, PRESIDENT ON BEHALF OF GRUPE CONSTRUCTION WEST, INC., GENERAL PARTNER OF ALBUQUERQUE INVESTMENT PARTNERSHIP I, LTD.

MY COMMISSION EXPIRES JAN. 11, 1985
Janice K. Magley
NOTARY PUBLIC

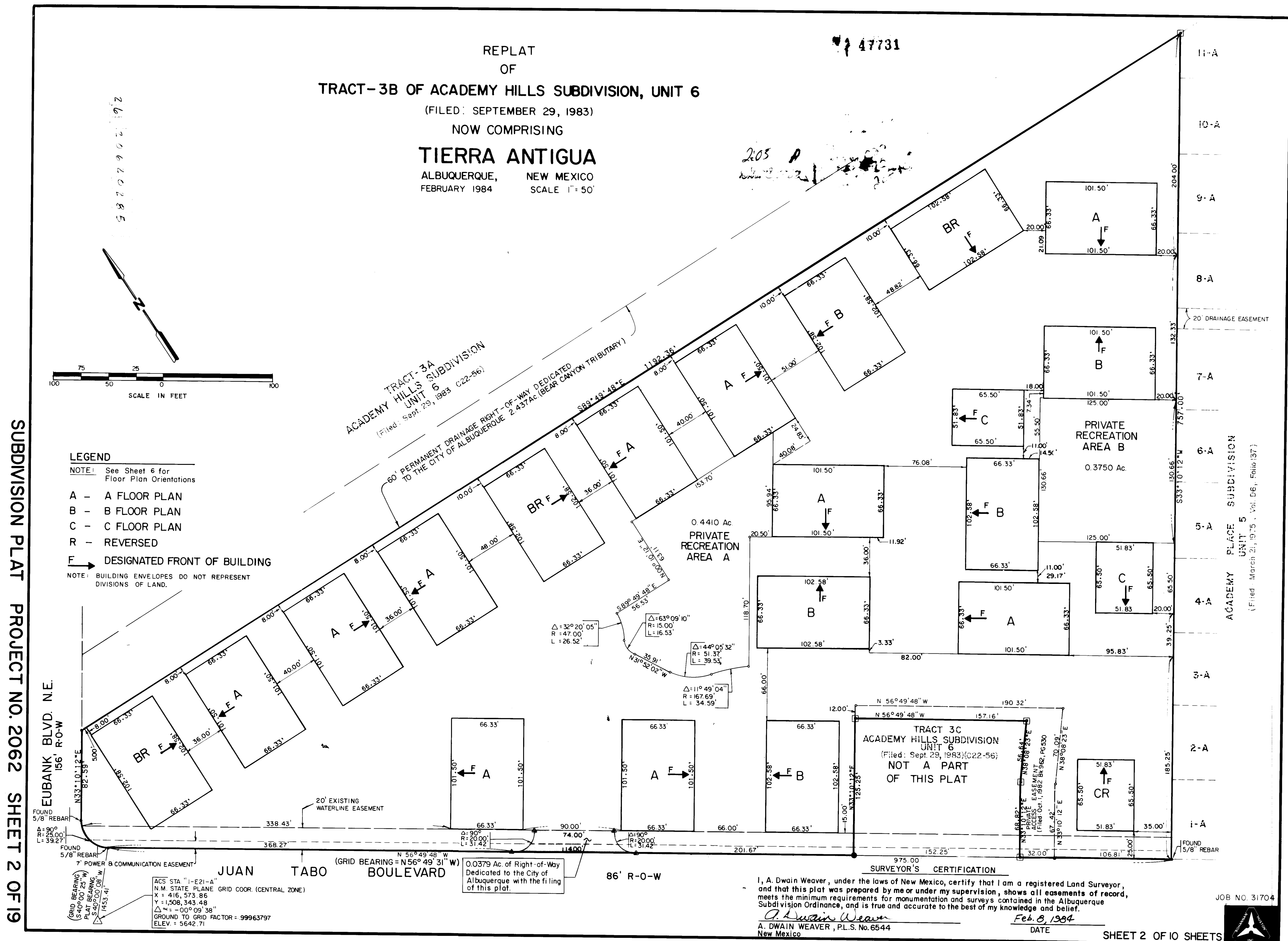
APPROVALS
SUBDIVISION CASE NUMBER **SP-24-260**

<i>Chad J. Sisk</i>	19 Jan 84
PLANNING DIRECTOR	DATE
<i>Frank J. Cuyler</i>	6/19/84
CITY ENGINEER	DATE
<i>Frank J. Cuyler</i>	6/19/84
DATE	
<i>Richard A. Ingle</i>	5-15-84
DATE	
<i>Michael J. Sullivan</i>	2-15-84
DATE	
<i>R. Schell</i>	4-12-84
DATE	
<i>Jim E. Edgeland</i>	5-15-84
DATE	
<i>Monty Calkins</i>	5-15-84
DATE	
<i>Doug Henderson</i>	5/1/84
DATE	
<i>Paula J. Melillo</i>	4-17-84
DATE	
<i>Paula J. Melillo</i>	4/17/84
DATE	
<i>Paula J. Melillo</i>	4/17/84
DATE	

SURVEYOR'S CERTIFICATION
I, A. Dwin 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 subdivision and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.
A. Dwin Weaver
A. DWAIN WEAVER, P.L.S. No. 6544
New Mexico
Feb. 9, 1984
Date

DRB-93-605

SHEET 1 OF 10 SHEETS



JOB NO. 31704

SHEET 2 OF 10 SHEETS

84 47731

REPLAT
OF
TRACT- 3B OF ACADEMY HILLS SUBDIVISION, UNIT 6

(FILED: SEPTEMBER 29, 1983)

NOW COMPRISING

TIERRA ANTIGUA

ALBUQUERQUE, NEW MEXICO
FEBRUARY 1984

TANGENT DATA		
NR.	DISTANCE	BEARING
11	10.13	N04°24'14"W
12	17.50	S00°10'12"E
13	45.00	N89°49'48"W
14	17.50	S00°10'12"E
15	36.63	N89°49'48"W
16	15.23	S86°49'48"E
17	43.00	N33°10'12"E
18	17.50	S00°10'12"E
19	17.50	S86°49'48"E
20	45.00	N89°49'48"W
21	17.50	S00°10'12"E
22	45.00	N89°49'48"W
23	17.50	S00°10'12"E
24	2.50	S89°49'48"E
25	45.00	N89°49'48"W
26	17.50	S00°10'12"E
27	45.00	N89°49'48"W
28	17.50	S00°10'12"E
29	45.00	N89°49'48"W
30	17.50	S00°10'12"E
31	45.00	N89°49'48"W
32	17.50	S00°10'12"E
33	45.00	N89°49'48"W
34	17.50	S00°10'12"E
35	45.00	N89°49'48"W
36	17.50	S00°10'12"E
37	45.00	N89°49'48"W
38	17.50	S00°10'12"E
39	45.00	N89°49'48"W
40	17.50	S00°10'12"E
41	45.00	N89°49'48"W
42	17.50	S00°10'12"E
43	45.00	N89°49'48"W
44	17.50	S00°10'12"E
45	45.00	N89°49'48"W
46	17.50	S00°10'12"E
47	45.00	N89°49'48"W
48	17.50	S00°10'12"E
49	45.00	N89°49'48"W
50	17.50	S00°10'12"E
51	45.00	N89°49'48"W
52	17.50	S00°10'12"E
53	45.00	N89°49'48"W
54	17.50	S00°10'12"E
55	45.00	N89°49'48"W
56	17.50	S00°10'12"E
57	45.00	N89°49'48"W
58	17.50	S00°10'12"E
59	45.00	N89°49'48"W
60	17.50	S00°10'12"E
61	45.00	N89°49'48"W
62	17.50	S00°10'12"E
63	45.00	N89°49'48"W
64	17.50	S00°10'12"E
65	45.00	N89°49'48"W
66	17.50	S00°10'12"E
67	45.00	N89°49'48"W
68	17.50	S00°10'12"E
69	45.00	N89°49'48"W
70	17.50	S00°10'12"E
71	45.00	N89°49'48"W
72	17.50	S00°10'12"E
73	45.00	N89°49'48"W
74	17.50	S00°10'12"E
75	45.00	N89°49'48"W
76	17.50	S00°10'12"E
77	45.00	N89°49'48"W
78	17.50	S00°10'12"E
79	45.00	N89°49'48"W
80	17.50	S00°10'12"E
81	45.00	N89°49'48"W
82	17.50	S00°10'12"E
83	45.00	N89°49'48"W
84	17.50	S00°10'12"E
85	45.00	N89°49'48"W
86	17.50	S00°10'12"E
87	45.00	N89°49'48"W
88	17.50	S00°10'12"E
89	45.00	N89°49'48"W
90	17.50	S00°10'12"E
91	45.00	N89°49'48"W
92	17.50	S00°10'12"E
93	45.00	N89°49'48"W
94	17.50	S00°10'12"E
95	45.00	N89°49'48"W
96	17.50	S00°10'12"E
97	45.00	N89°49'48"W
98	17.50	S00°10'12"E
99	45.00	N89°49'48"W
100	17.50	S00°10'12"E

CURVE DATA				
NR.	RADIUS	ARC	CHORD	DELTA
01	25.00	19.09	18.43	43°45'42"
02	10.00	15.99	14.34	81°36'51"
03	2.50	3.93	3.54	90°00'00"
04	10.00	15.99	14.34	81°36'51"
05	2.50	3.93	3.54	90°00'00"
06	43.00	45.78	41.04	57°00'00"
07	7.50	11.78	10.61	90°00'00"
08	17.00	26.70	24.04	90°00'00"
09	10.00	15.71	14.14	90°00'00"
10	15.00	3.35	3.32	20°25'00"
11	2.50	3.87	3.87	101°32'13"
12	87.00	38.15	37.64	32°37'39"
13	12.00	18.85	16.97	90°00'00"
14	2.00	3.74	3.51	166°00'00"
15	2.00	3.74	3.51	107°53'55"
16	42.00	28.75	28.30	35°02'51"
17	15.00	7.77	7.77	63°09'10"
18	31.26	38.53	38.56	44°03'32"
19	84.36	39.53	38.56	44°03'32"
20	77.26	45.89	43.30	35°30'16"
21	25.00	39.18	42.18	174°57'48"
22	20.00	31.42	28.28	90°00'00"
23	13.00	38.48	35.26	91°00'00"
24	2.00	5.29	3.88	151°30'00"
25	96.00	5.96	5.96	101°10'12"
26	154.69	37.69	37.60	13°57'36"
27	96.00	28.41	28.31	10°55'41"
28	275.59	37.80	37.77	07°51'32"
29	275.59	37.80	37.77	07°51'32"
30	166.99	78.55	77.85	28°37'59"
31	35.47	38.24	38.42	81°46'33"
32	50.00	36.08	35.28	41°19'31"
33	10.00	14.62	13.25	87°45'30"
34	10.00	17.02	15.04	97°32'30"
35	10.00	14.62	13.25	87°45'30"
36	141.69	2.69	2.69	01°05'10"
37	2.00	3.15	3.69	05°09'20"
38	2.00	3.15	3.69	154°01'47"
39	2.00	3.15	3.69	154°01'47"
40	83.18	4.46	4.46	03°04'16"
41	108.18	32.25	32.11	16°55'41"
42	10.00	10.52	10.04	60°17'23"
43	47.00	12.98	12.95	15°50'28"
44	2.50	1.98	1.94	45°33'05"
45	2.50	3.25	3.02	74°22'40"
46	2.50	3.80	3.45	87°08'18"
47	67.00	25.66	25.50	21°58'35"
48	47.00	38.26	37.22	46°39'41"
49	47.00	5.26	5.26	08°24'48"
50	47.00	40.50	39.26	49°22'37"
51	2.50	2.43	2.34	55°47'25"
52	2.50	2.88	2.72	65°57'44"
53	47.00	35.91	35.04	43°48'14"
54	2.50	6.89	4.91	157°48'30"
55	2.50	4.00	4.00	91°48'58"
56	262.59	2.83	2.83	02°37'00"
57	2.50	4.70	4.04	107°43'35"
58	2.50	3.32	3.08	76°09'57"
59	2.50	3.65	3.48	83°43'28"
60	2.50	3.30	3.18	88°10'24"
61	181.99	4.46	4.46	01°05'10"
62	2.50	3.63	3.32	87°08'18"
63	2.50	3.57	3.28	81°54'55"
64	181.99	11.01	11.01	03°28'31"
65	2.50	4.43	3.87	101°33'08"
66	2.50	3.97	3.59	113°59'29"
67	22.47	9.68	9.60	24°41'00"
68	10.00	10.55	10.00	60°17'23"
69	47.00	104.07	84.08	128°52'02"
70	10.00	16.72	14.84	95°48'17"
71	37.00	3.98	3.98	06°10'07"
72	2.50	3.79	3.44	86°47'25"
73	42.15	21.92	21.67	29°47'25"
74	2.50	5.94	4.94	136°13'52"
75	47.00	8.31	8.30	10°08'05"
76	2.50	3.35	3.21	53°54'13"
77	2.50	2.95	2.78	67°37'54"
78	67.00	38.49	37.95	32°54'53"
79	47.00	11.04	11.01	13°27'17"
80	46.47	32.67	32.05	38°36'57"
81	10.00	11.66	11.01	66°50'04"
82	22.50	21.58	21.58	56°05'52"
83	2.50	4.50	3.92	103°09'32"
84	2.50	4.85	4.48	98°15'08"
85	48.63	5.24	5.23	06°10'13"
86	2.50	3.80	3.45	87°08'18"
87	68.63	71.22	68.06	59°27'11"
88	2.00	4.71	3.70	135°00'00"
89	155.99	5.46	5.46	02°00'18"
90	2.50	3.97	3.59	90°56'00"
91	135.99	45.00	44.79	18°27'32"
92	135.99	10.35	10.35	03°48'09"
93	288.59	9.07	9.07	01°48'02"
94	10.00	13.65	12.62	78°27'41"
95	10.00	16.20	14.48	92°49'07"
96	288.59	4.35	4.35	00°51'50"
97	2.50	3.84	3.47	88°02'43"
98	8.18	16.21	15.98	106°55'41"
99	167.69	55.99	55.73	19°07'46"
100				28.25"

SURVEYOR'S CERTIFICATION

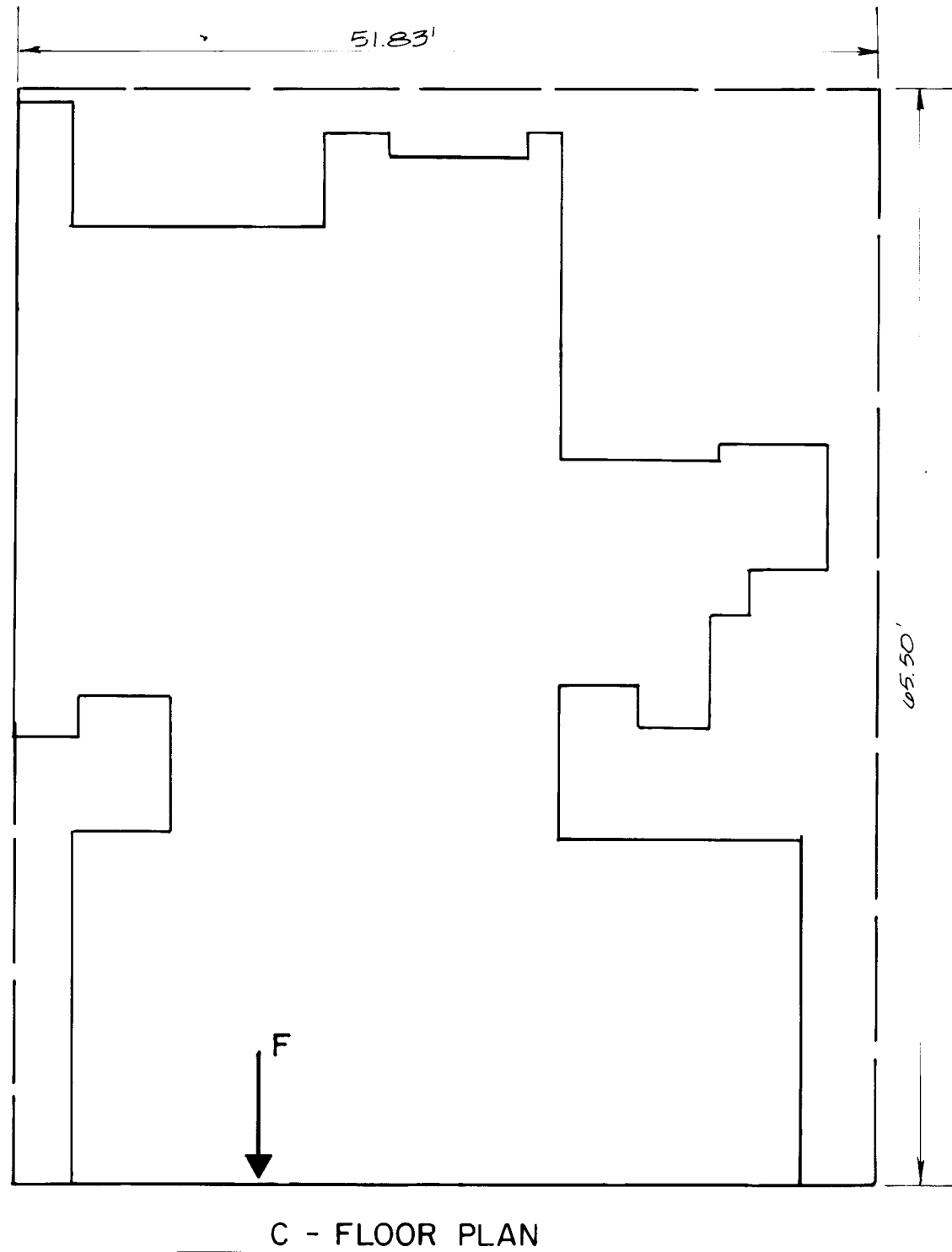
I, A. Dwain Weaver, under the laws of New Mexico, certify that I am a registered Land Surveyor, and that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

A. Dwain Weaver
A. DWAIN WEAVER, P.L.S. No. 6544
New Mexico

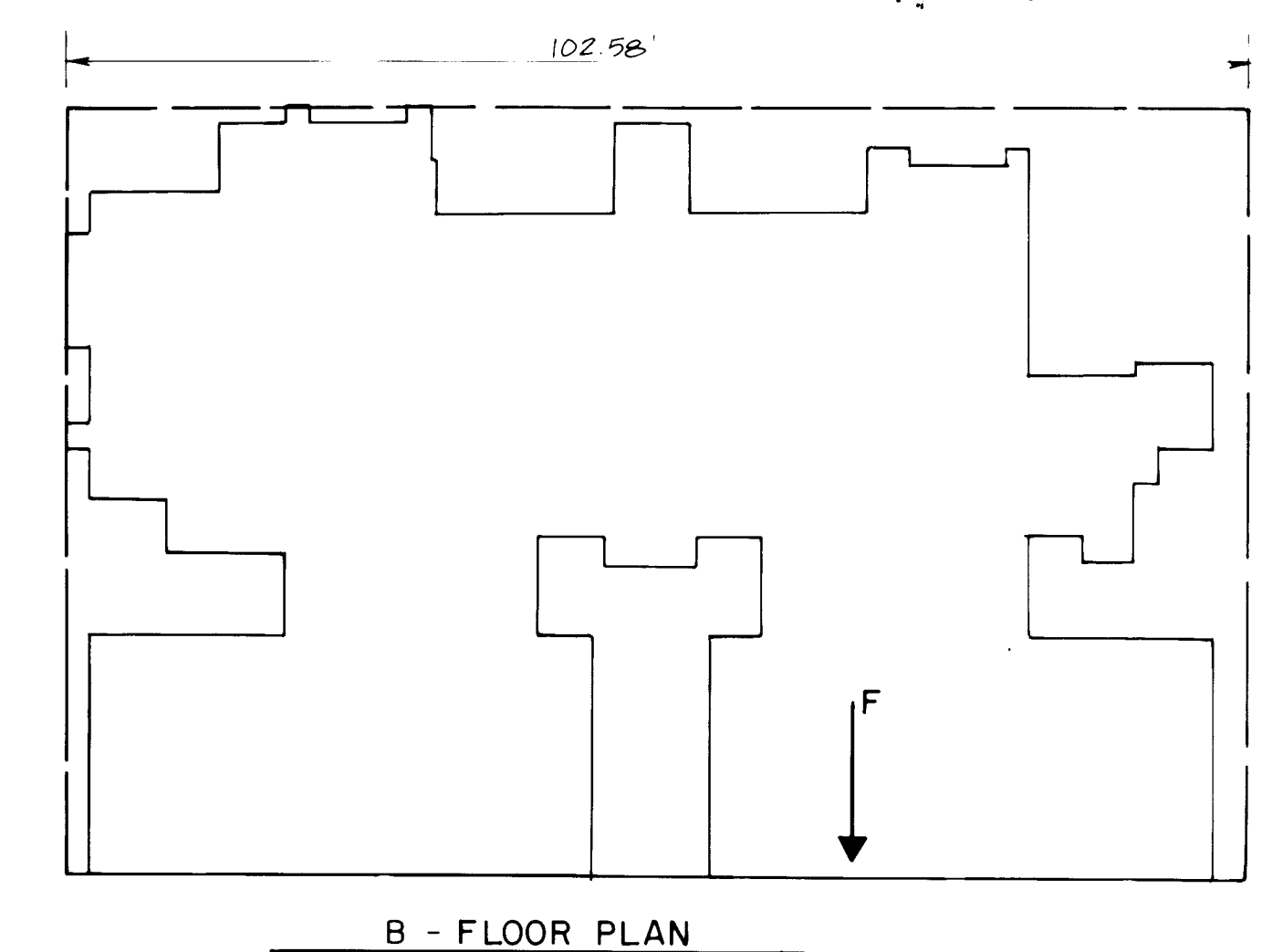
Feb 9 1984
Date

JOB NO. 31704

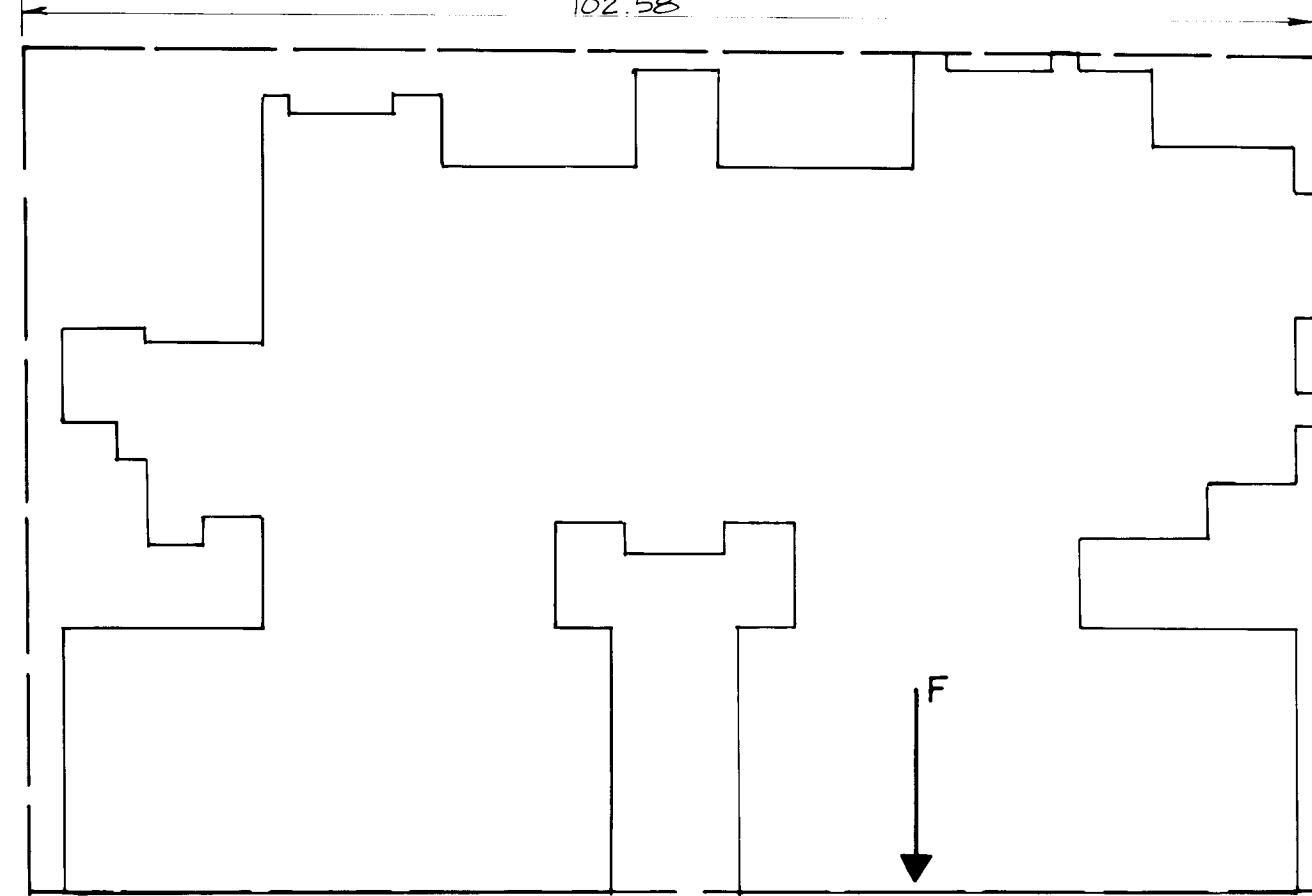
SHEET 5 OF 10 SHEETS



C - FLOOR PLAN

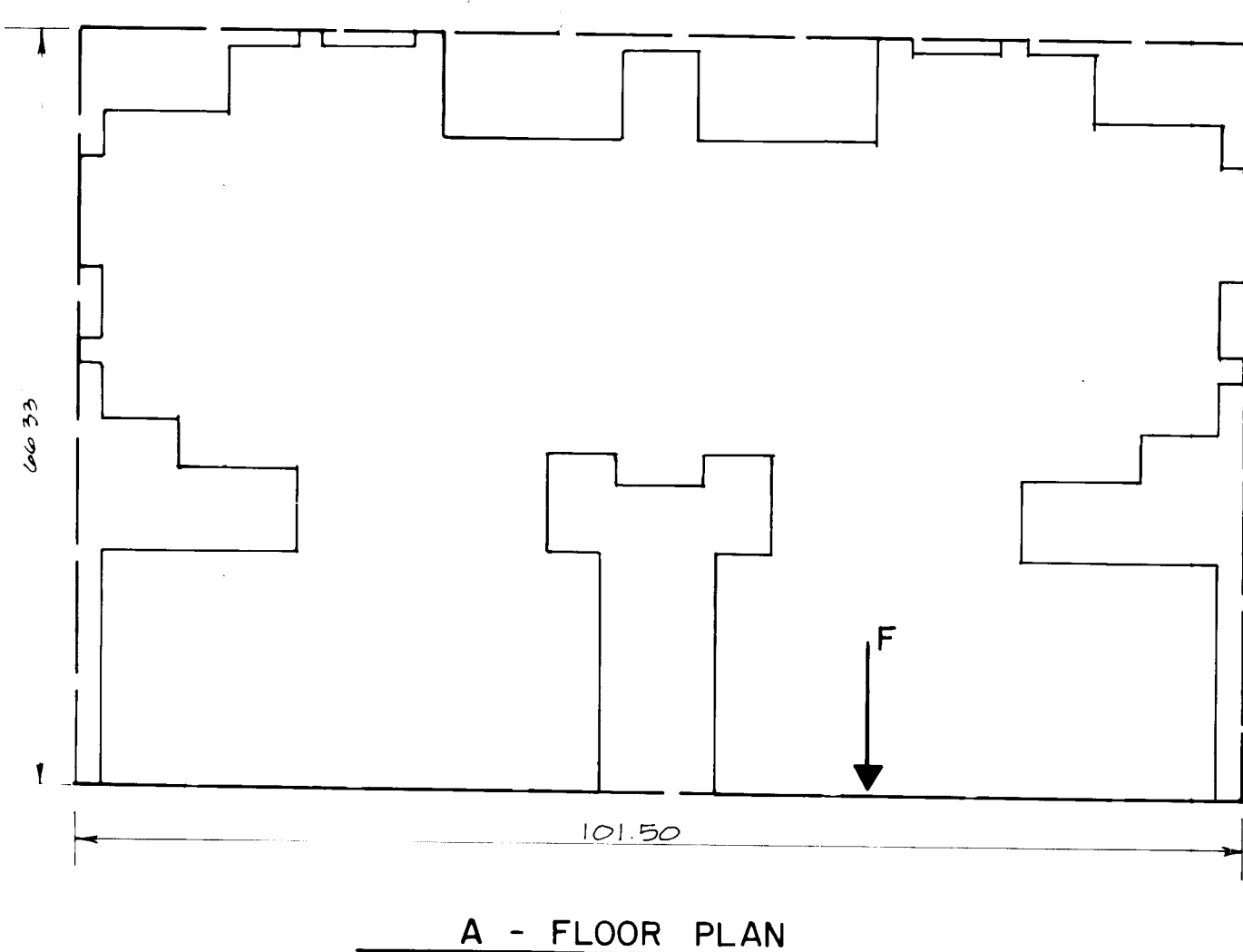


B - FLOOR PLAN



B - FLOOR PLAN (REVERSED)

84 47731
REPLAT
OF
TRACT- 3B OF ACADEMY HILLS SUBDIVISION, UNIT 6
(FILED: SEPTEMBER 29, 1983)
NOW COMPRISING
TIERRA ANTIGUA
ALBUQUERQUE, NEW MEXICO
FEBRUARY 1984



A - FLOOR PLAN

BUILDING ORIENTATION DETAILS

SEE SHEET
FOR BUILDING ENVELOPE LOCATIONS

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.

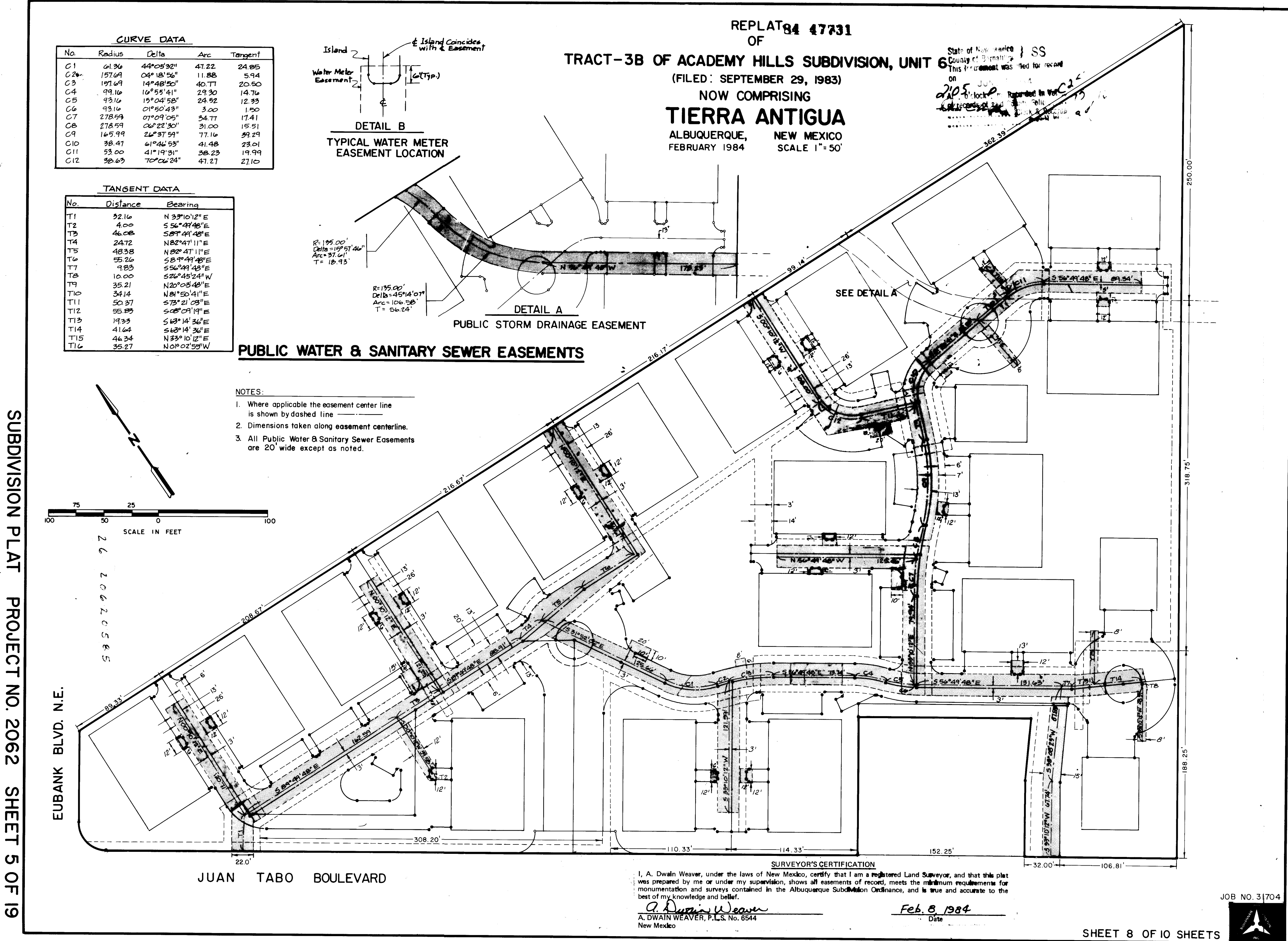
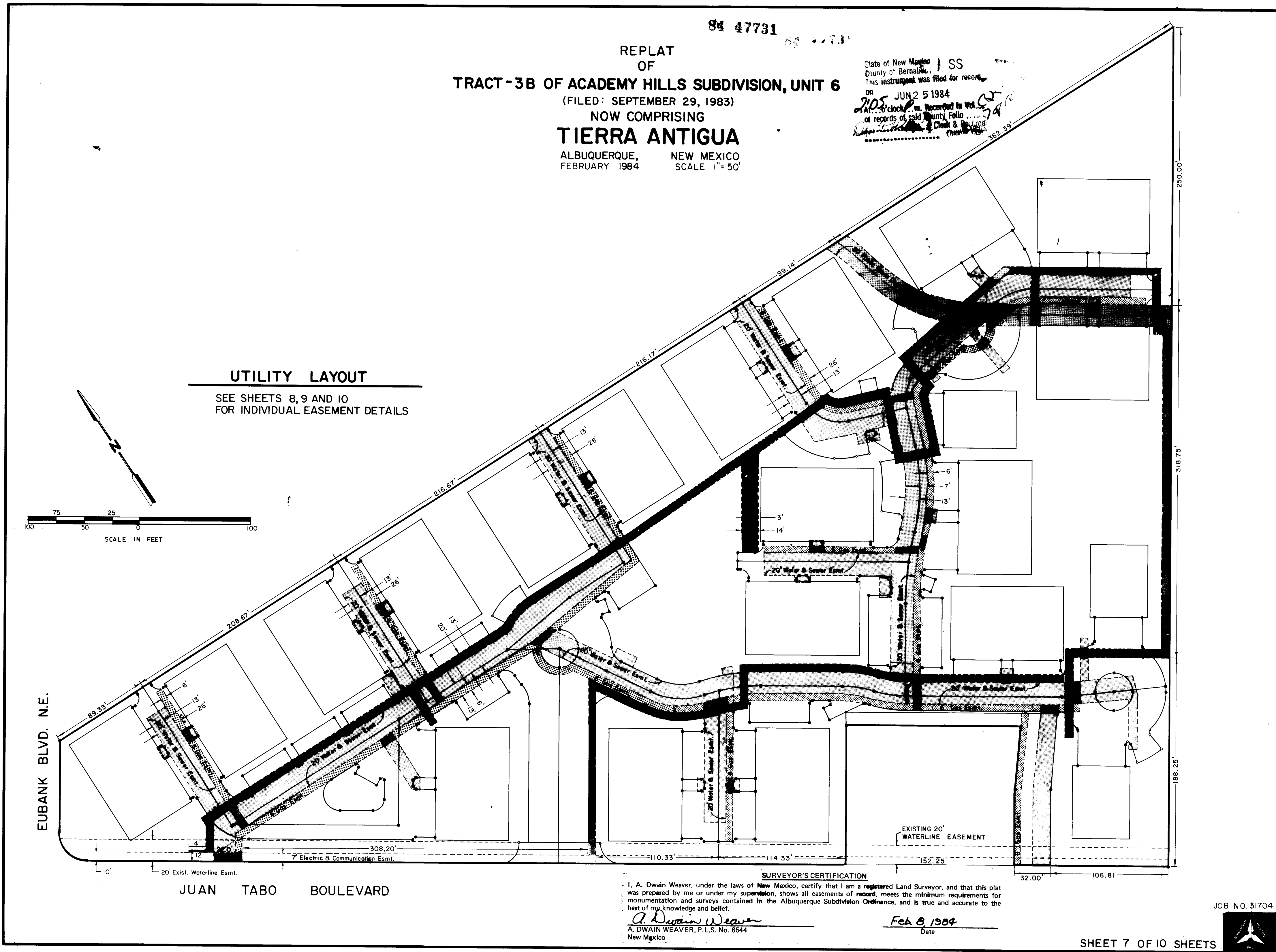
A. Dwain Weaver
A. DWAIN WEAVER, P.L.S. No. 6544
New Mexico

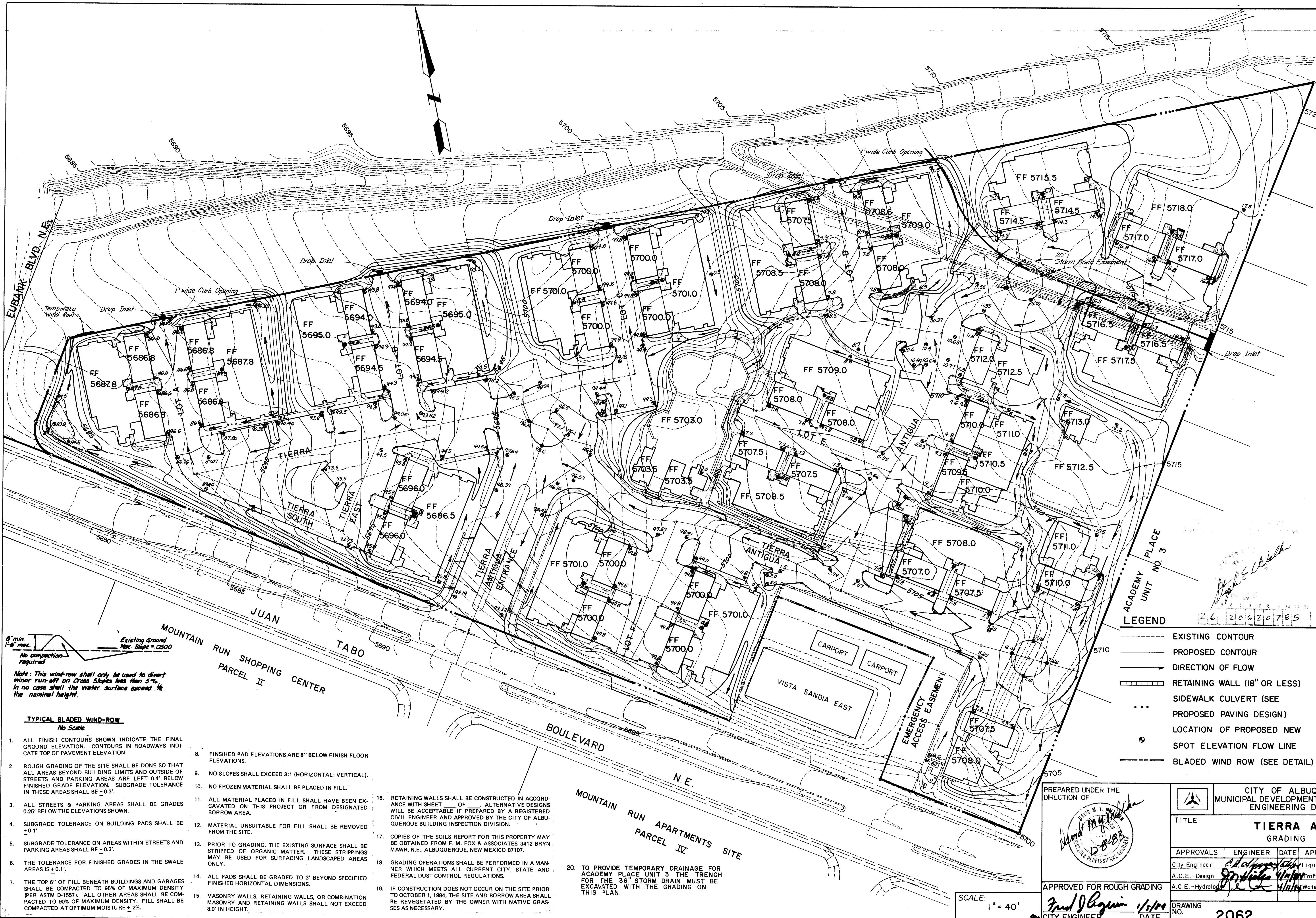
Feb 9 1984
Date

JOB NO. 31704

SHEET 6 OF 10 SHEETS

SUBDIVISION PLAT PROJECT NO. 2062 SHEET 4 OF 19





8" min.
1'-6" max.
No compaction
required

Note: This wind-row shall only be used to divert
minor run-off on cross slopes less than 5%.
In no case shall the water surface exceed 1/4
the nominal height.

TYPICAL BLADED WIND-ROW
No Scale

- ALL FINISH CONTOURS SHOWN INDICATE THE FINAL GROUND ELEVATION. CONTOURS IN ROADWAYS INDICATE TOP OF PAVEMENT ELEVATION.
- ROUGH GRADING OF THE SITE SHALL BE DONE SO THAT ALL AREAS BEYOND BUILDING LIMITS AND OUTSIDE OF STREETS AND PARKING AREAS ARE LEFT 0.4' BELOW FINISHED GRADE ELEVATION. SUBGRADE TOLERANCE IN THESE AREAS SHALL BE $\pm 0.3'$.
- ALL STREETS & PARKING AREAS SHALL BE GRADES 0.25' BELOW THE ELEVATIONS SHOWN.
- SUBGRADE TOLERANCE ON BUILDING PADS SHALL BE $\pm 0.1'$.
- SUBGRADE TOLERANCE ON AREAS WITHIN STREETS AND PARKING AREAS SHALL BE $\pm 0.3'$.
- THE TOLERANCE FOR FINISHED GRADES IN THE SWALE AREAS IS $\pm 0.1'$.
- 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 COMPACTED AT OPTIMUM MOISTURE $\pm 2\%$.
- FINISHED PAD ELEVATIONS ARE 8" BELOW FINISH FLOOR ELEVATIONS.
- NO SLOPES SHALL EXCEED 3:1 (HORIZONTAL: VERTICAL).
- 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.
- 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 OF ALTERNATIVE DESIGNS WILL BE ACCEPTABLE IF PREPARED BY A REGISTERED CIVIL ENGINEER AND APPROVED BY THE CITY OF ALBUQUERQUE BUILDING INSPECTION DIVISION.
- COPIES OF THE SOILS REPORT FOR THIS PROPERTY MAY BE OBTAINED FROM F. M. FOX & 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 PRIOR TO OCTOBER 1, 1984, THE SITE AND BORROW AREA SHALL BE REVEGETATED BY THE OWNER WITH NATIVE GRASSES AS NECESSARY.
- TO PROVIDE TEMPORARY DRAINAGE FOR ACADEMY PLACE UNIT 3 THE TRENCH FOR THE 36" STORM DRAIN MUST BE EXCAVATED WITH THE GRADING ON THIS PLAN.

- LEGEND**
- EXISTING CONTOUR
 - PROPOSED CONTOUR
 - DIRECTION OF FLOW
 - RETAINING WALL (18" OR LESS)
 - SIDEWALK CULVERT (SEE PROPOSED PAVING DESIGN)
 - LOCATION OF PROPOSED NEW SPOT ELEVATION FLOW LINE
 - BLADED WIND ROW (SEE DETAIL)

PREPARED UNDER THE
DIRECTION OF

David M. [Signature]
D-8-83
REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR ROUGH GRADING

Frank J. [Signature] 1/5/84
CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: TIERRA ANTIGUA GRADING PLAN			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	3/14/84	Engineer
A.C.E. - Design	<i>[Signature]</i>	3/14/84	Engineer
A.C.E. - Hydrology	<i>[Signature]</i>	3/14/84	Engineer
DRAWING NO. 2062		SHEET 7 OF 19	

TRACT 3
ACADEMY HILLS SUBDIVISION
UNIT 6

EUBANK BOULEVARD N.E.

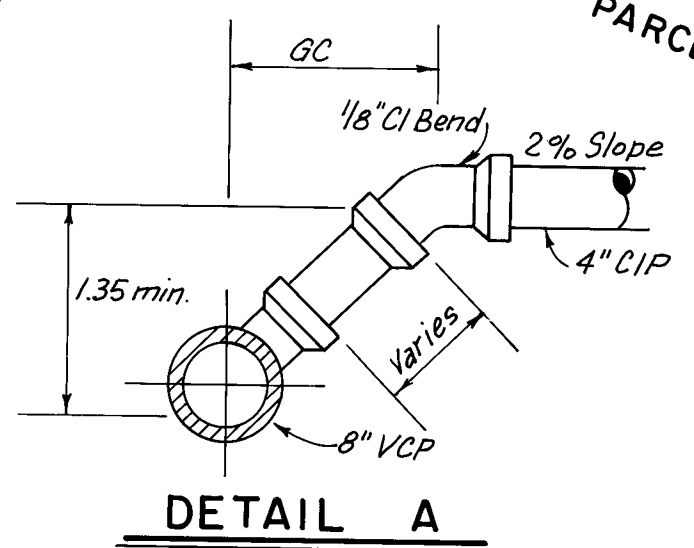
JUAN TABO
MOUNTAIN RUN SHOPPING CENTER
PARCEL II

BOULEVARD N.E.
MOUNTAIN RUN APARTMENTS SITE
PARCEL IV

- LEGEND
- S4S--- EXISTING SANITARY SEWER LINE
 - S4S— PROPOSED SANITARY SEWER LINE
 - O— EXISTING MANHOLE
 - PROPOSED MANHOLE
 - SANITARY SEWER FLOW DIRECTION
 - |— SANITARY SEWER SERVICE

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 Disks shall be installed at all service tees and at all plugged ends as specified in Section 13.1 of the Supplemental Technical Specifications to the City "Contract Documents for City-Wide Utilities and Cash Paving # 31.
- Streets shall be graded to finish grade # 10 prior to installation of Utilities.
- For sanitary sewer service tee locations see sheets 11 through 15.
- All service line stub-outs shall be perpendicular to the sanitary sewer main. Stub-outs shall be 4" D.I.P. unless otherwise noted.
- A watertight plug shall be installed at the end of each stub-out.
- All sanitary sewer lines within Easements shall be built to City of Albuquerque Standards.
- Water line shall be 10' min. North & West of Centerline unless otherwise specified.
- All Sanitary Sewer main will be maintained by the City of Albuquerque. Multiple Service laterals outside of Easements shall be maintained by the Home Owners Association.
- All encasements shall be constructed per City Standard Drawing S-10. Specified lengths are from outside of Manhole, on sheets 11 through 15. The N/A indicates either the lateral ties directly to the manhole or the variable distance in Detail A is zero.
- Sewer service laterals shall have between 2% and 10% slopes. Deep laterals shall be constructed according to Detail A. The distance GC is specified in the Tables on sheets 11 through 15.
- All Drop Manholes shall use 12" diameter DIP for vertical drop outside of the Manhole. See City Standard Drawing S-4-2.
- The contractor must submit a Traffic Control Plan and receive a barricading permit prior to construction in Juan Tabo.



PREPARED UNDER THE DIRECTION OF

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **TIERRA ANTIGUA
SANITARY SEWER PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	3/1/84	Liquid Waste	<i>[Signature]</i>	3/1/84
A.C.E.-Design	<i>[Signature]</i>	3/1/84	Traffic	<i>[Signature]</i>	3/1/84
A.C.E.-Hydrology	<i>[Signature]</i>	3/1/84	Water	<i>[Signature]</i>	3/1/84

APPROVED FOR CONSTRUCTION

DRAWING NO. **2062**

SHEET **8** OF **19**

TRACT 3
ACADEMY HILLS SUBDIVISION
UNIT 6

EUBANK BOULEVARD N.E.

MOUNTAIN RUN SHOPPING CENTER
PARCEL II

BOULEVARD

MOUNTAIN RUN APARTMENTS SITE
PARCEL IV

ACADEMY PLACE
UNIT NO. 3

NOTES:

- Waterline 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.
- "Whenever possible, it is desirable to lay parallel water and sewer lines at least 10 feet apart horizontally, and the water line should be a higher elevation than the sewer. If this is not possible, separate trenches will be required in all cases (this shall be effective even though one line has been installed prior to the other), and the water line shall be at least 2 feet above the sewer. When water and sewer lines cross each other, the water line shall be at least 3 feet above the sewer, otherwise the sewer shall be of cast iron pipe." A preferred alternative is encasement in concrete as shown in the Standard Details for 10' on each side of the water line.
- Where possible all fire hydrants shall be located at the PC of Curb Returns.
- All water valves shall be located at the PC of Curb Returns, or 5' after the PC when a fire hydrant occupies the PC.
- All water valve box covers within the streets shall be identified as specified in "Special Order No. 10", from the City Engineer.
- All water lines shall have a minimum of 3'-6" bury from top of curb.
- Streets shall be graded to finished grade $\pm 1'-0"$ prior to installation of utilities.
- The utility contractor shall be responsible for constructing water services from water main to curb stop including curb box along with street and utility improvements. Installation of water service from curb to property line shall be done by utility contractor when meters are set.
- Electronic Marker Disks shall be installed at all valves, bends, caps, tees, and service connections as specified in Section 13.1 of the supplemental Technical Specifications to the City of Albuquerque Contract Documents for City-Wide Utilities and cash Paving No. 31.
- Stationing of valves and bends shall be found on the Plan and Profile sheets of this plan set.
- All water lines and services within Easements shall be built to City of Albuquerque Standards and will be maintained by the City of Albuquerque.
- Single water meter locations will have 3/4"

water meters except as noted.

- Double water meter locations will have two 3/4" services lines and 3/4" water meters with one water meter box & cover except as noted.
- Water meter locations will be in accordance with City Standard Drawing No. W-15-1.
- Water meters shall be grouped in pairs whenever possible.
- All service taps on water main shall be

at a 12" minimum spacing and distributed radially around the main.

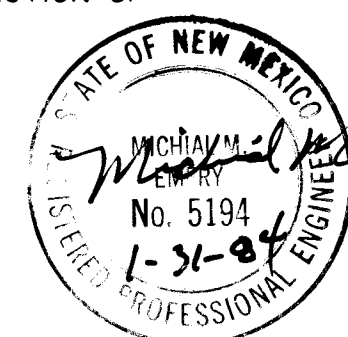
- All plugs shall be located 6" beyond last service connected to main line.
- Private Service Lines above finished floor of 5710 will be seized at 1" or larger to decrease line loss to units.

LEGEND:

- W— EXISTING WATERLINE
- W— PROPOSED WATERLINE
- X— EXISTING WATER VALVE
- X— PROPOSED WATER VALVE
- X— PROPOSED FIRE HYDRANT
- X— PROPOSED FIRE HYDRANT
- X— METER SERVICE GROUP w/number of meters
- X— BEND
- X— TEE
- X— CAP

26 20620985

PREPARED UNDER THE
DIRECTION OF



APPROVED FOR CONSTRUCTION

DATE 2/1/84

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

TIERRA ANTIGUA
WATER PLAN

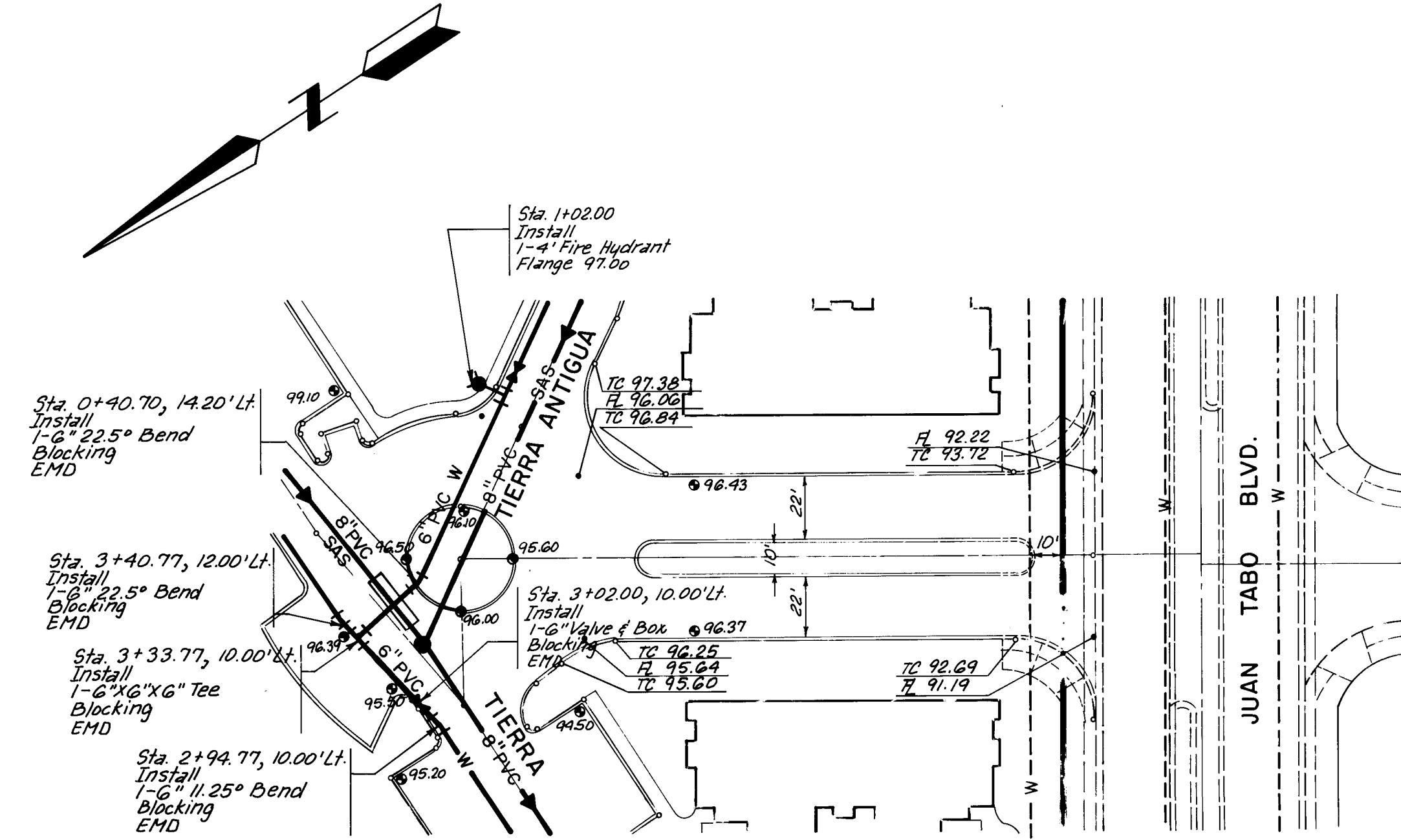
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City Engineer	Michael J. Sweeney	2/1/84	Liquid Waste	Michael J. Sweeney	2/1/84
A.C.E.—Design	Michael J. Sweeney	2/1/84	NA	Michael J. Sweeney	2/1/84
A.C.E.—Hydrology	Michael J. Sweeney	2/1/84	Water	Michael J. Sweeney	2/1/84

DRAWING NO. 2062

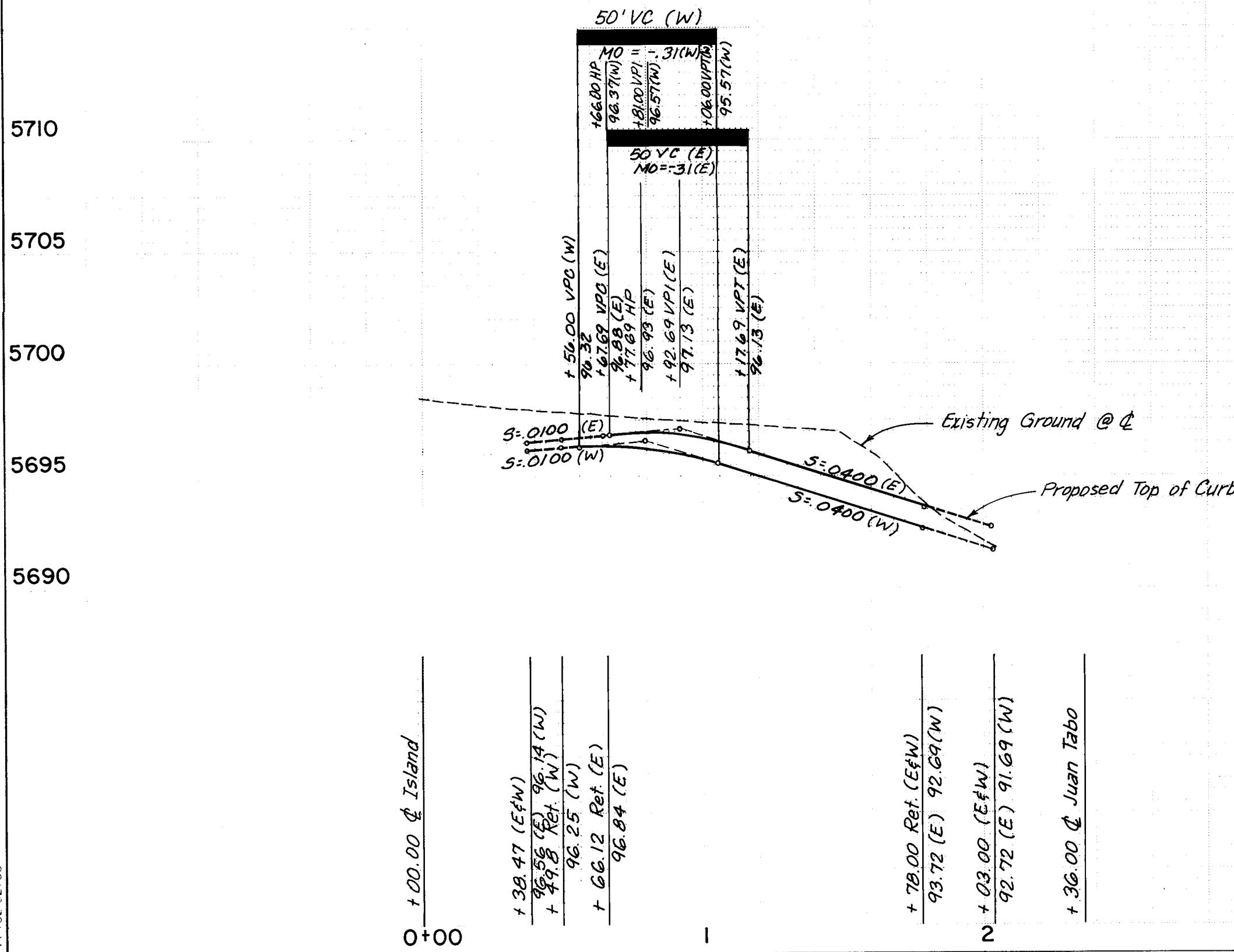
SHEET 9 OF 19

PLAN	SURVEYED	DATE
	BY	
NOTE BOOK	GRADES CHECKED	
	PT. OF WAY CHECKED	

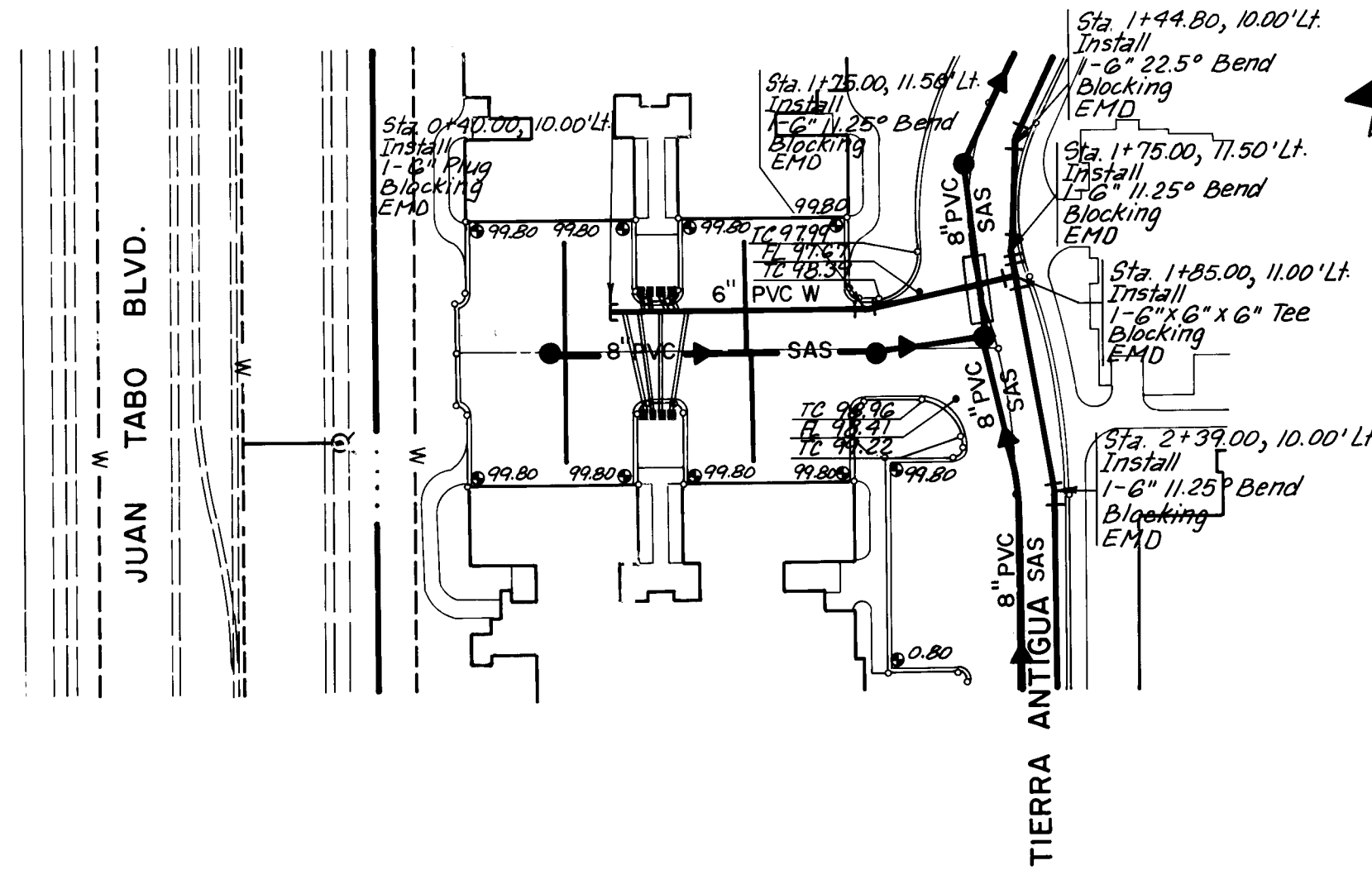
PROFILE	SURVEYED	DATE
	BY	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	



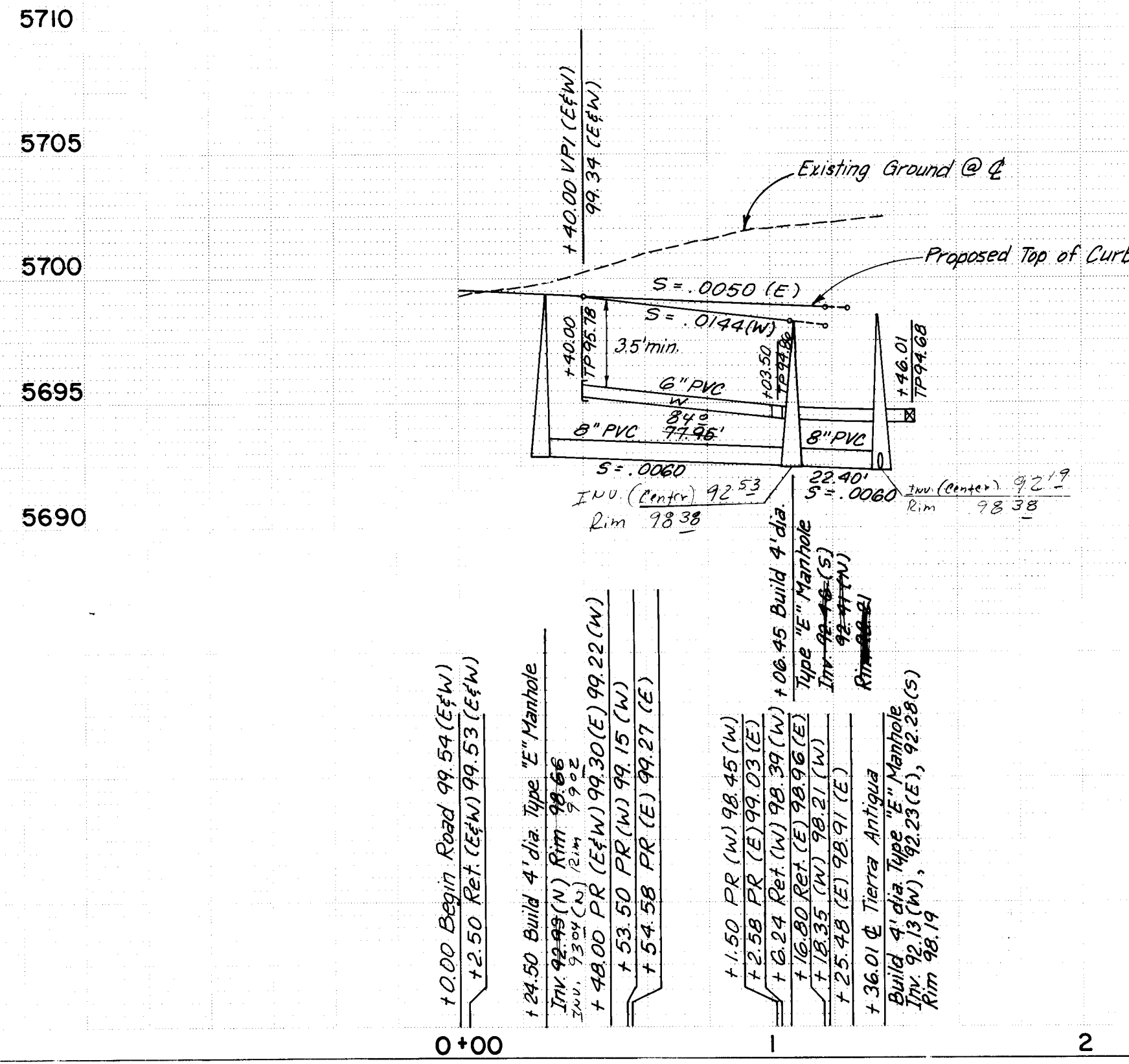
TIERRA ANTIGUA ENTRANCE



Station	Length	Inv. Elev. at Plug	GC
0+27.50 L	28'	4'	3.50'
0+27.50 R	28'	4'	3.50'
0+74.00 L	28'	4'	2.75'
0+75.08 R	28'	4'	2.76'



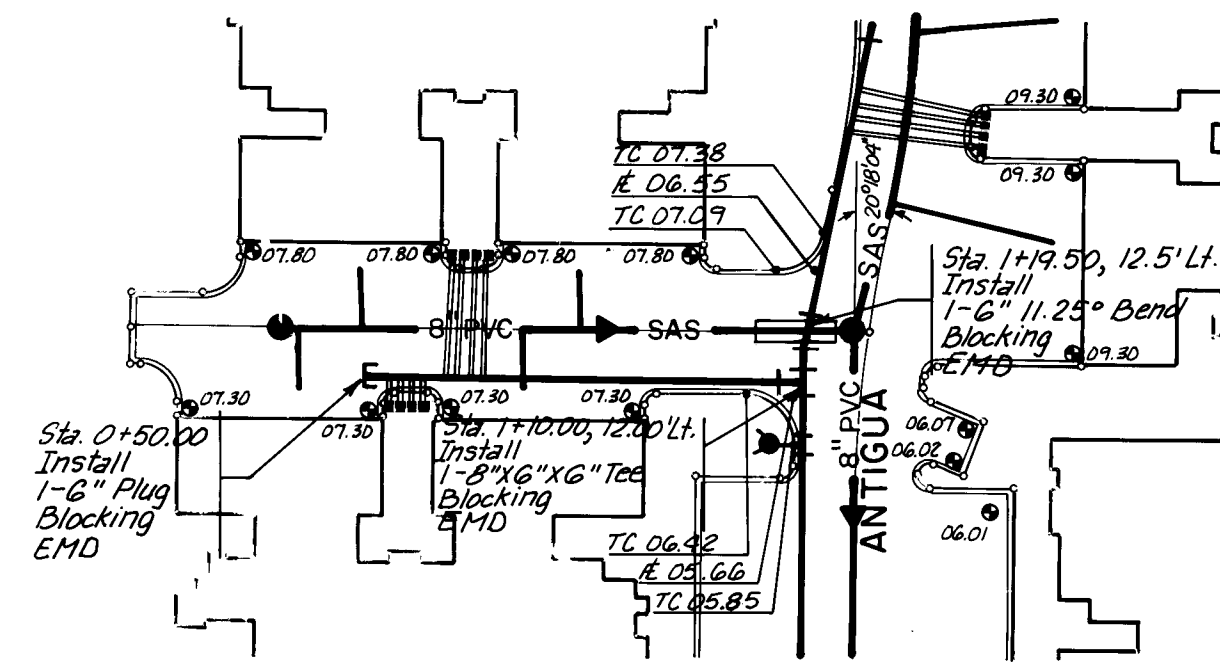
LOT F



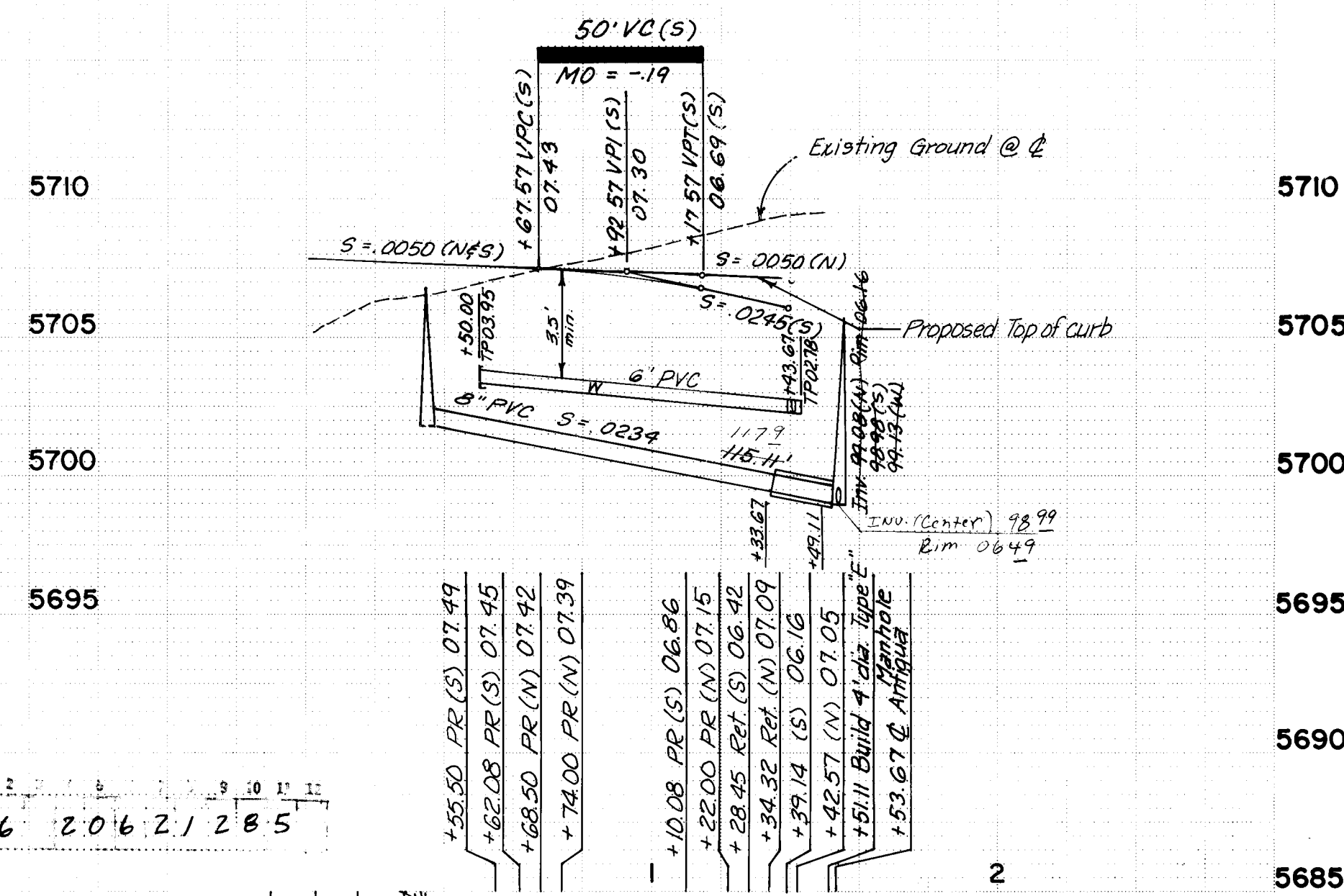
PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
APPROVED FOR CONSTRUCTION		TITLE: TIERRA ANTIGUA ENTRANCE, LOT F	
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	3/1/84	3/1/84	Liquid Waste
A.C.E.-Design	3/1/84	3/1/84	Traffic
A.C.E.-Hydrology	3/1/84	3/1/84	Water
DRAWING NO. 2062		SHEET 11 OF 19	

PROFILE NOTE BOOK NO. _____ GRADES CHECKED _____ B M NOTED _____ STRUCTURE NOTATIONS CH KD _____	SURVIVED _____		BY _____	DATE _____
	PLOTTED _____			

<u>Station</u>	<u>Length</u>	<u>Inv. Elev. at Plug</u>	<u>GC</u>
0 + 35.00 R	13'	4'	2.44
0 + 82.58 L	13'	4'	2.51
0 + 48.00 R	13'	4'	2.19
0 + 94.50 L	13'	4'	3.30



LOT E



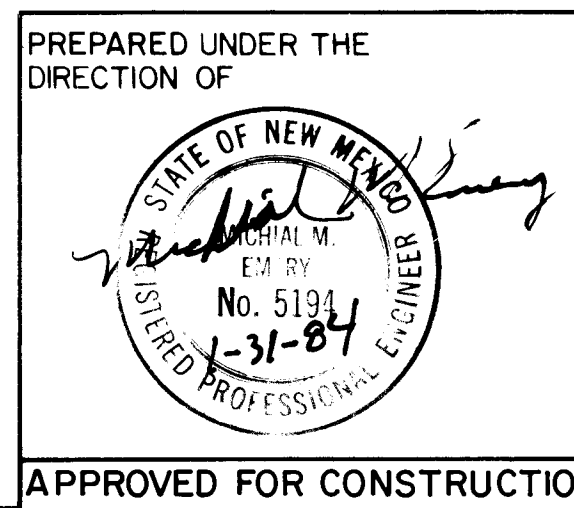
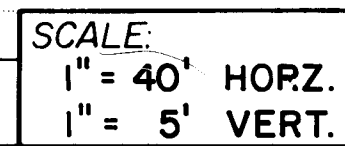
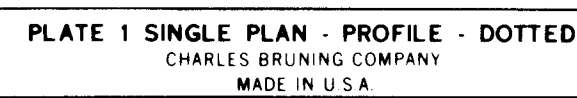
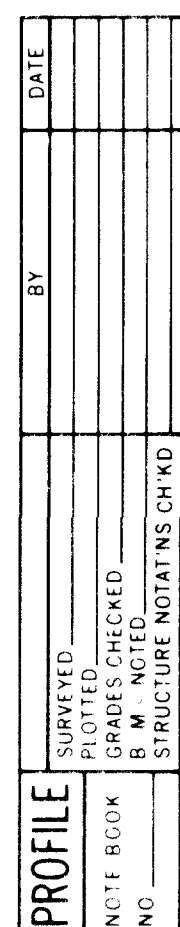
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SCALE:

1" = 40' HORIZ
1" = 5' VERT

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																									
 TITLE: TIERRA ANTIGUA TIERRA ANTIGUA, LOT E																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td><i>[Signature]</i></td> <td><i>4/1/84</i></td> <td>Liquid Waste</td> <td><i>[Signature]</i></td> <td><i>3/14/84</i></td> </tr> <tr> <td>A.C.E. - Design</td> <td><i>[Signature]</i></td> <td><i>4/1/84</i></td> <td>Traffic</td> <td><i>[Signature]</i></td> <td><i>3/14/84</i></td> </tr> <tr> <td>A.C.E. - Hydrology</td> <td><i>[Signature]</i></td> <td><i>4/1/84</i></td> <td>Water</td> <td><i>[Signature]</i></td> <td><i>3/14/84</i></td> </tr> </tbody> </table>				APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>[Signature]</i>	<i>4/1/84</i>	Liquid Waste	<i>[Signature]</i>	<i>3/14/84</i>	A.C.E. - Design	<i>[Signature]</i>	<i>4/1/84</i>	Traffic	<i>[Signature]</i>	<i>3/14/84</i>	A.C.E. - Hydrology	<i>[Signature]</i>	<i>4/1/84</i>	Water	<i>[Signature]</i>	<i>3/14/84</i>
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A.C.E. - Hydrology	<i>[Signature]</i>	<i>4/1/84</i>	Water	<i>[Signature]</i>	<i>3/14/84</i>																						
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APPROVED FOR CONSTRUCTION <i>[Signature]</i> <i>7/10/84</i>	CITY ENGINEER DATE																										
DRAWING NO. 2062			SHEET 12 OF 19																								

PLAN	SURVEYED		BY	DATE
	PLOTTED			
NOTE BOOK	ALIGNMENT CHECKED			
NO.	RT OF WAY CHECKED			

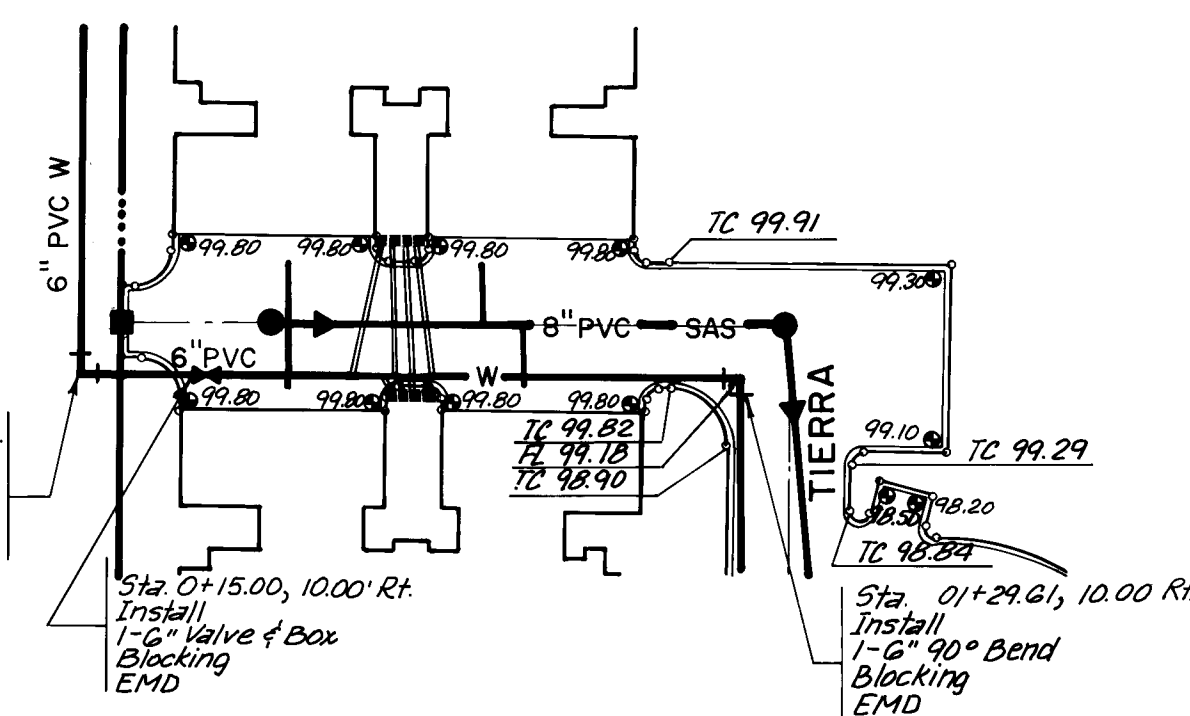
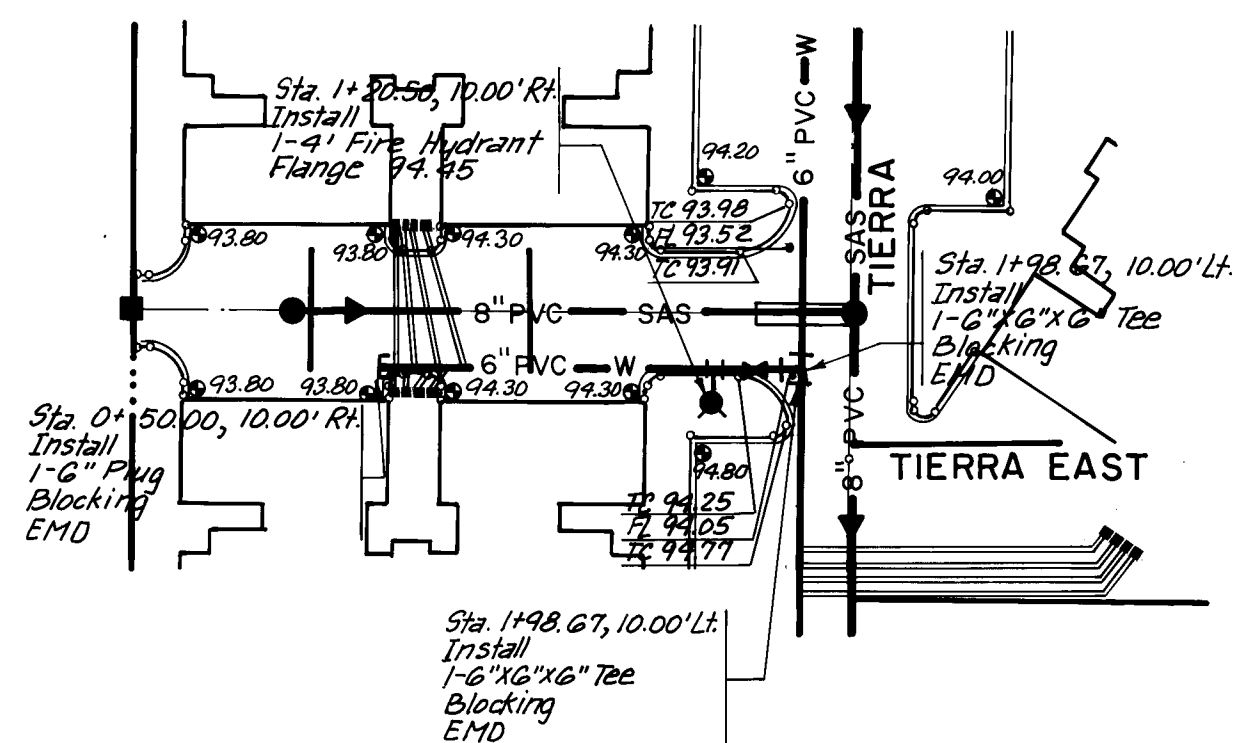


REFERENCES			SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	REMARKS	BY	EST. NO.	W.O. NO.	NO.	DATE	STATION IS A STANDARD A.C.S. BRASS TABLET STAMPED "1-E21-A", SET IN TOP OF THE WEST CURB ON EUBANK BLVD. STATION IS LOCATED APPROXIMATELY 380 FEET NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE.	WORK SUBMITTED BY <i>MARK EUBANK</i> DATE <i>11/11</i>
REVIEWS DESIGN									
DESIGNED BY	KBA	DATE	1/84						RECORDED BY
DRAWN BY	UK	DATE	1/84						NO.
CHECKED BY	DWW	DATE	1/84						

PROFILE	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	GRADES CHECKED _____			
	B. M. NOTED _____			
	STRUCTURE NOTATIONS CHECKED _____			
NOTE BOOK				
NO. _____				

<u>Station</u>	<u>Length</u>	<u>Inv. Elev. at Plug</u>	<u>GC</u>
0 + 35.00 L	13'	4'	2.71
0 + 35.00 R	13'	4'	2.71
0 + 81.50 R	13'	4'	2.46
0 + 81.50 L	13'	4'	2.46

<u>Station</u>	<u>Length</u>	<u>Inv. Elev. at Plug</u>	<u>GC</u>
0 + 35.00 L	13'	4'	3.54
0 + 35.00 R	13'	4'	3.54
0 + 81.50 L	13'	4'	2.77
0 + 84.58 R	13'	4'	2.79



LOT C

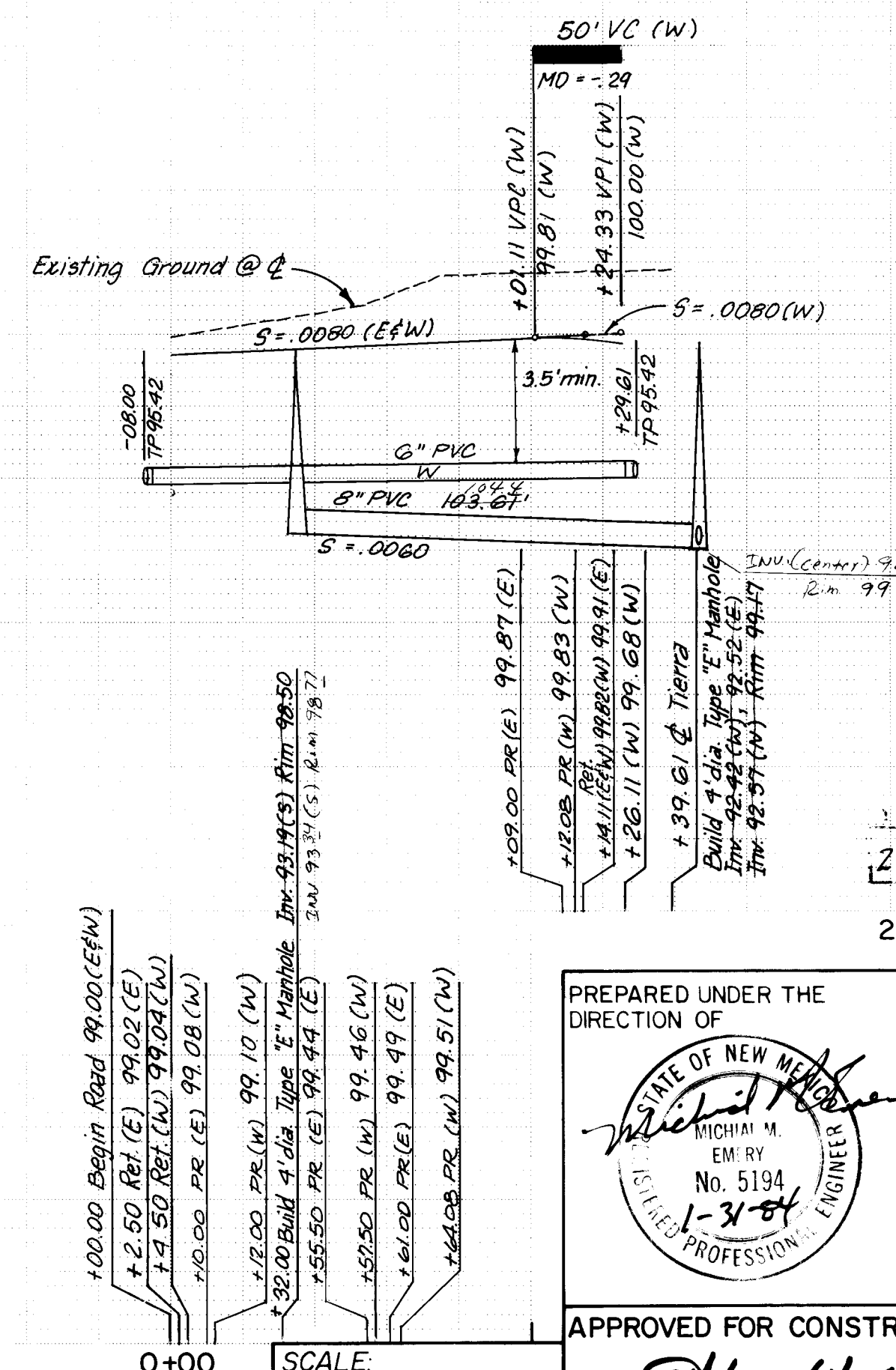
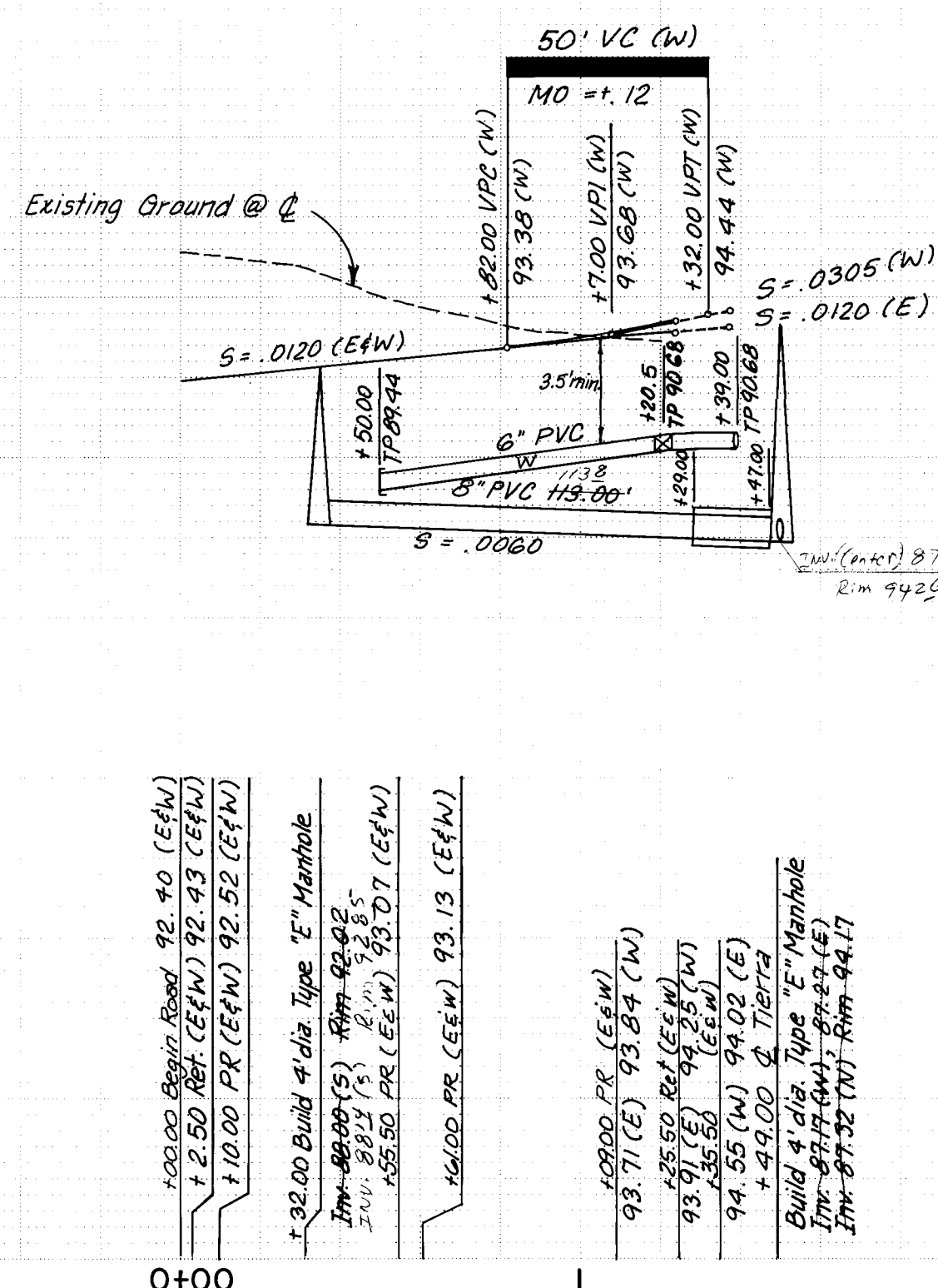
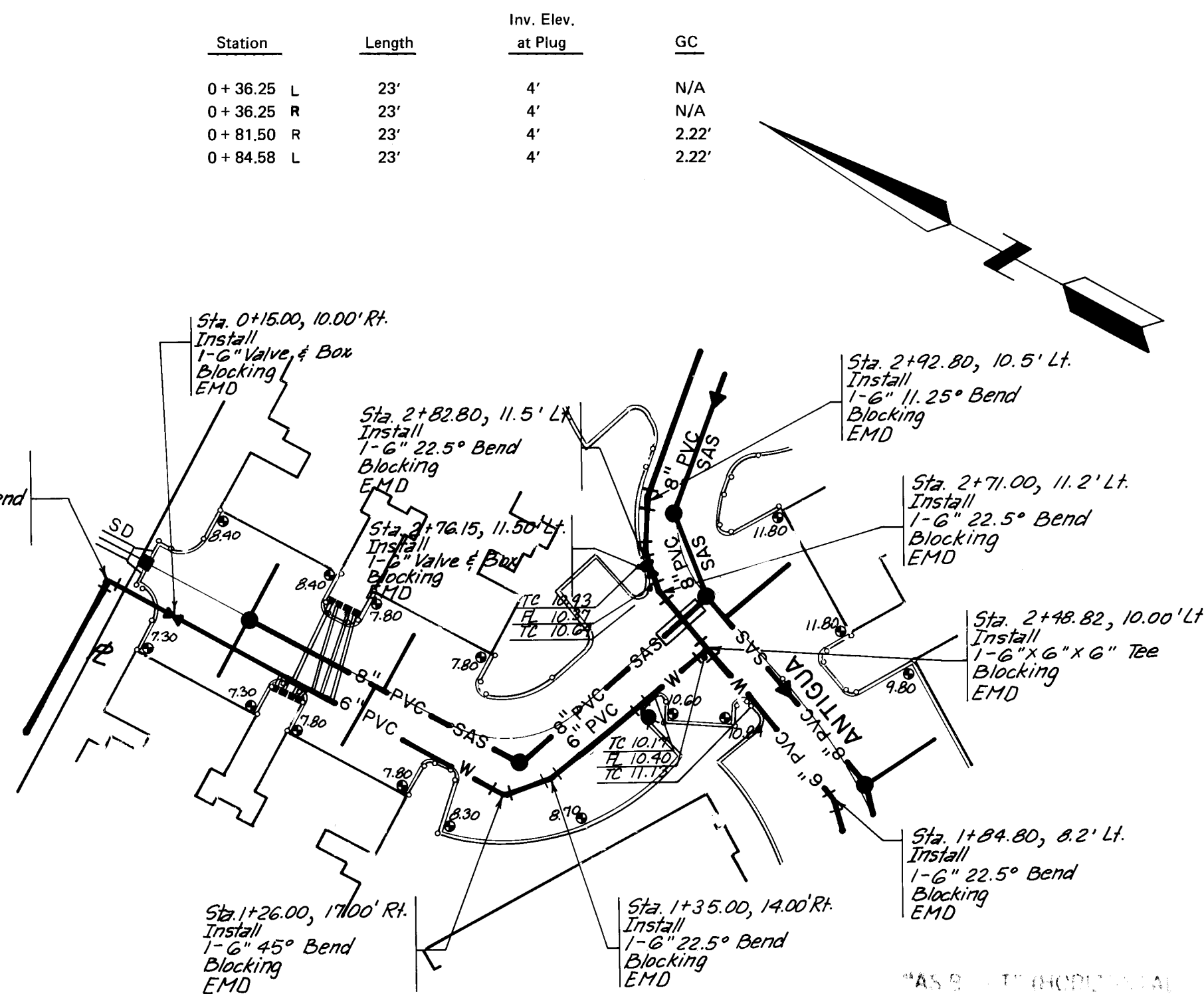
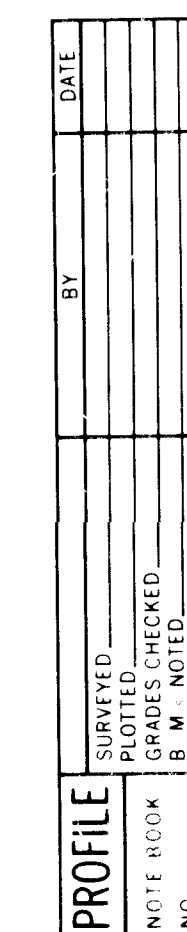


PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

SCALE:
1" = 40' HORZ.
1" = 5' VERT.

PREPARED UNDER THE DIRECTOR OF	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																									
	TITLE: TIERRA ANTIGUA LOT A, LOT B, LOT C																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td><i>[Signature]</i></td> <td>3/14/04</td> <td>Liquid Waste</td> <td><i>[Signature]</i></td> <td>3/14/04</td> </tr> <tr> <td>A.C.E. - Design</td> <td><i>[Signature]</i></td> <td>4/1/04</td> <td>Traffic</td> <td>N/A DWH</td> <td>3/14/04</td> </tr> <tr> <td>A.C.E. - Hydrology</td> <td><i>[Signature]</i></td> <td>4/1/04</td> <td>Water</td> <td><i>[Signature]</i></td> <td>3/14/04</td> </tr> </tbody> </table>			APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>[Signature]</i>	3/14/04	Liquid Waste	<i>[Signature]</i>	3/14/04	A.C.E. - Design	<i>[Signature]</i>	4/1/04	Traffic	N/A DWH	3/14/04	A.C.E. - Hydrology	<i>[Signature]</i>	4/1/04	Water	<i>[Signature]</i>	3/14/04
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																					
City Engineer	<i>[Signature]</i>	3/14/04	Liquid Waste	<i>[Signature]</i>	3/14/04																					
A.C.E. - Design	<i>[Signature]</i>	4/1/04	Traffic	N/A DWH	3/14/04																					
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APPROVED FOR CONSTRUCTION 2062																										
CITY ENGINEER DATE																										



BENCH MARKS	AS-BUILT INFORMATION
STATION IS A STANDARD A.C.S. BRASS TABLET STAMPED "1-E21-A" SET IN TOP OF THE WEST CURB ON EUBANK BLVD. STATION IS LOCATED APPROXIMATELY 380' NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE.	CONTRACTOR <u>J.L. & J.L.</u> DATED BY <u>DELIVER</u> <u>Survey</u> DATE INSPECTORS FIELD VERIFICATION BY <u>Tony</u> <u>01-1-00</u> DATE VERIFICATION BY <u>Tony</u> <u>01-1-00</u> DATE CORRECTED BY <u>Tony</u> <u>01-1-00</u> DATE CHECKED BY <u>Tony</u> <u>01-1-00</u> DATE
ELEV. = 5642.71	MICRO-FILM INFORMATION
	RECORDED BY DATE
	NO

		REFERENCES		SURVEY INFORMATION		
		MAP NO. E-21				
		EST. NO.	W.O. NO.	NO.	BY	DATE
NO.	DATE	REMARKS	BY			
REVISIONS						
DESIGN						
DESIGNED BY KBA		DATE 1/84				
DRAWN BY UK		DATE 1/84				

LOT D

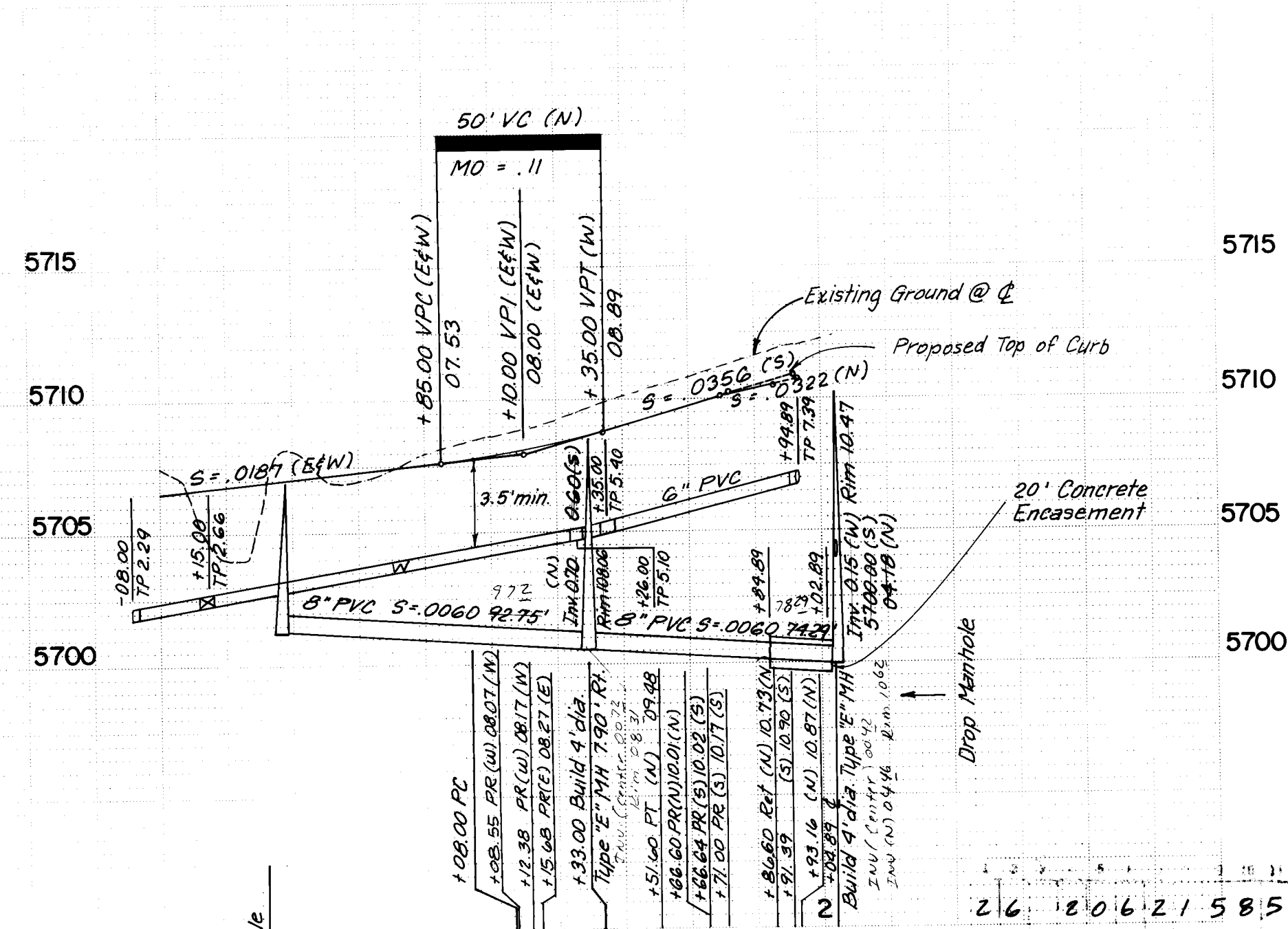


PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

PREPARED UNDER THE
DIRECTION OF

Michael M. Emery

STATE OF NEW MEXICO
MICHAEL M.
EMERY
No. 5194
1-51-04
REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION

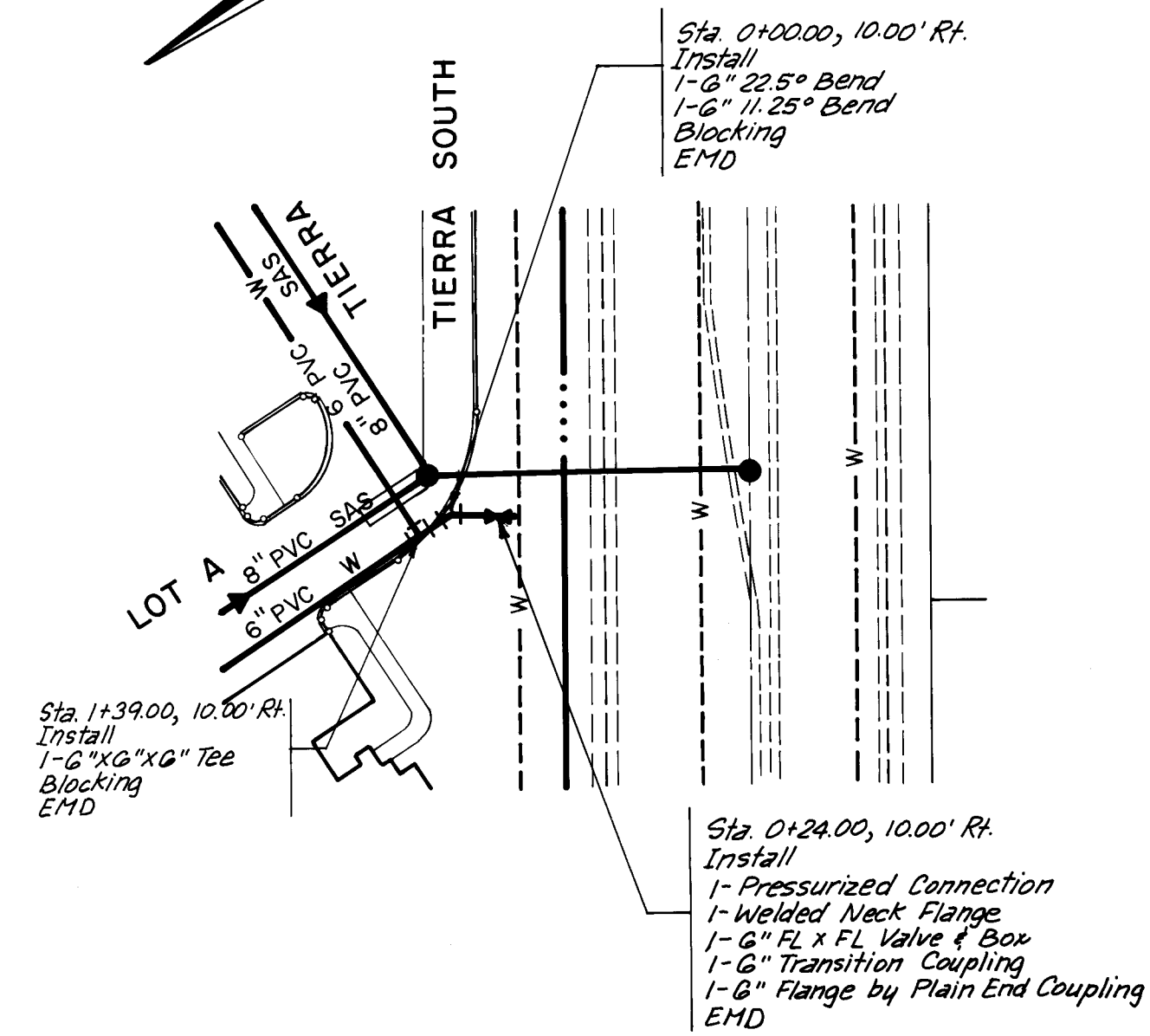
DAE *1/16/02*

CITY ENGINEER DATE

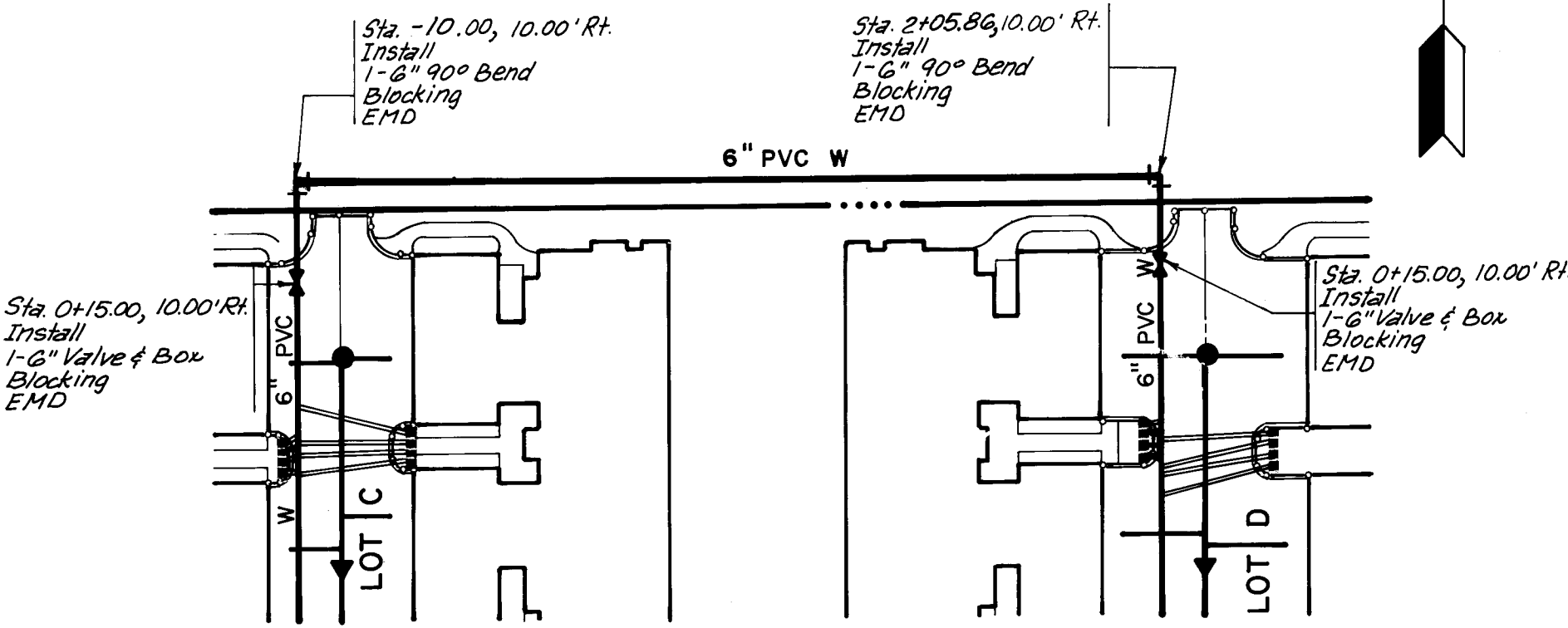
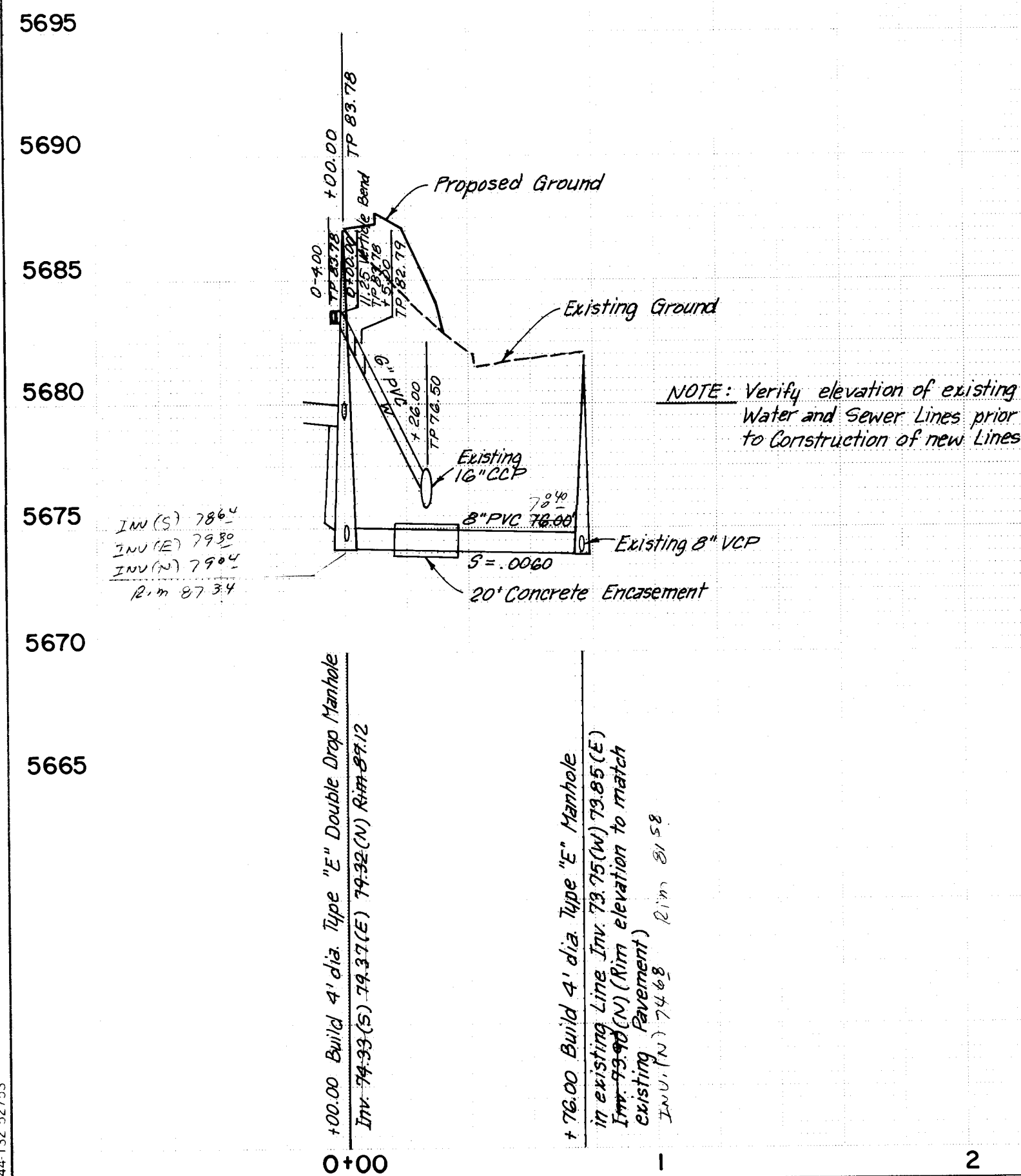
	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION				
TITLE: TIERRA ANTIGUA ANTIGUA, LOT D					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C. H. Johnson</i>	<i>4/11/68</i>	Highway Liquid Waste	<i>J. E. Eitzgrub</i>	<i>3/1/68</i>
A. C. E.-Design	<i>J. E. Eitzgrub</i>	<i>4/11/68</i>	Traffic	<i>N. A. Duff</i>	<i>3/1/68</i>
A. C. E.-Hydrology	<i>J. E. Eitzgrub</i>	<i>4/11/68</i>	Water	<i>J. E. Eitzgrub</i>	<i>3/1/68</i>
DRAWING NO. 2062			SHEET 15 OF 15		

PLAN	DATE	BY	DATE
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NOT CHECKED			
NOT CHECKED			

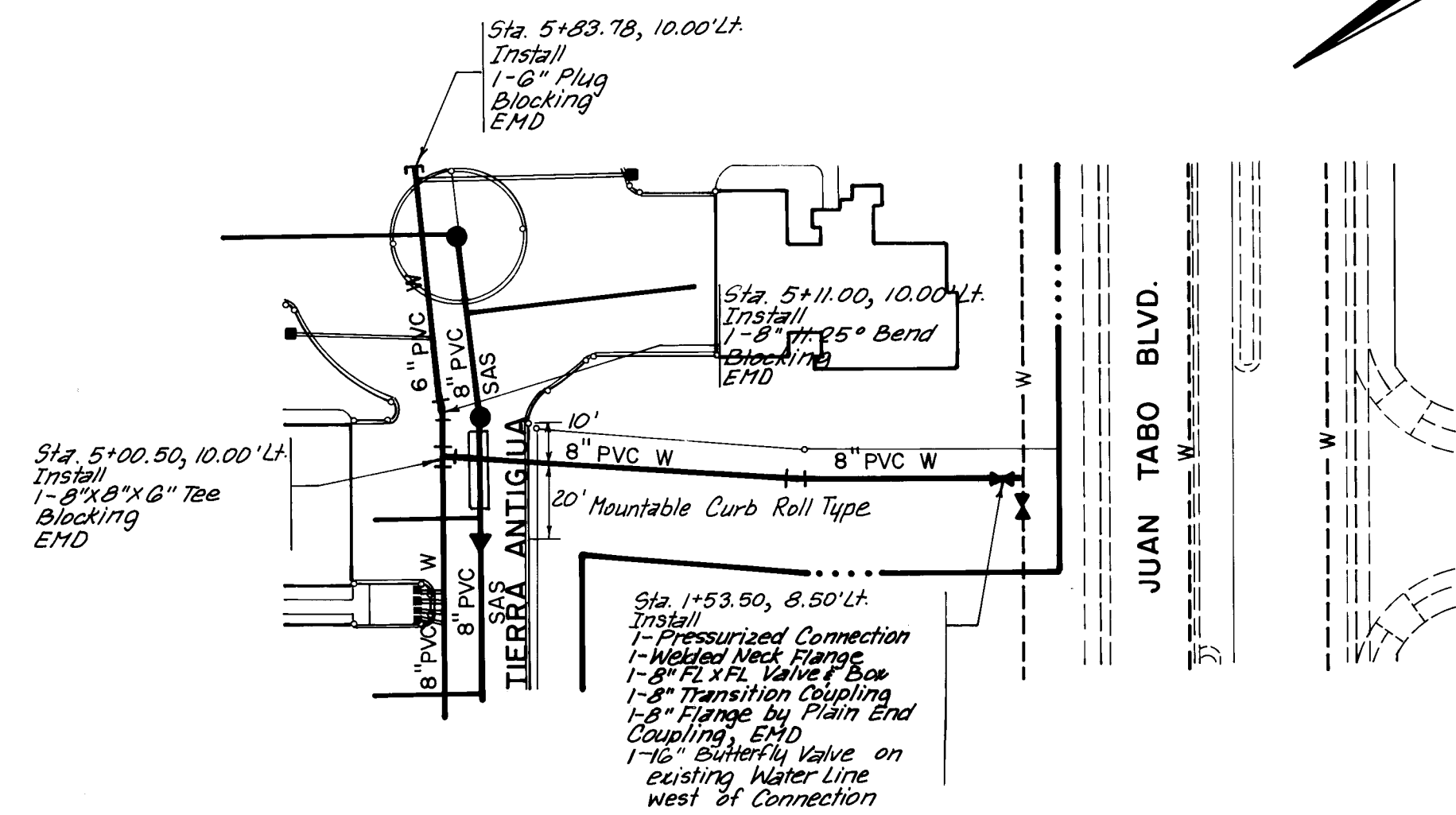
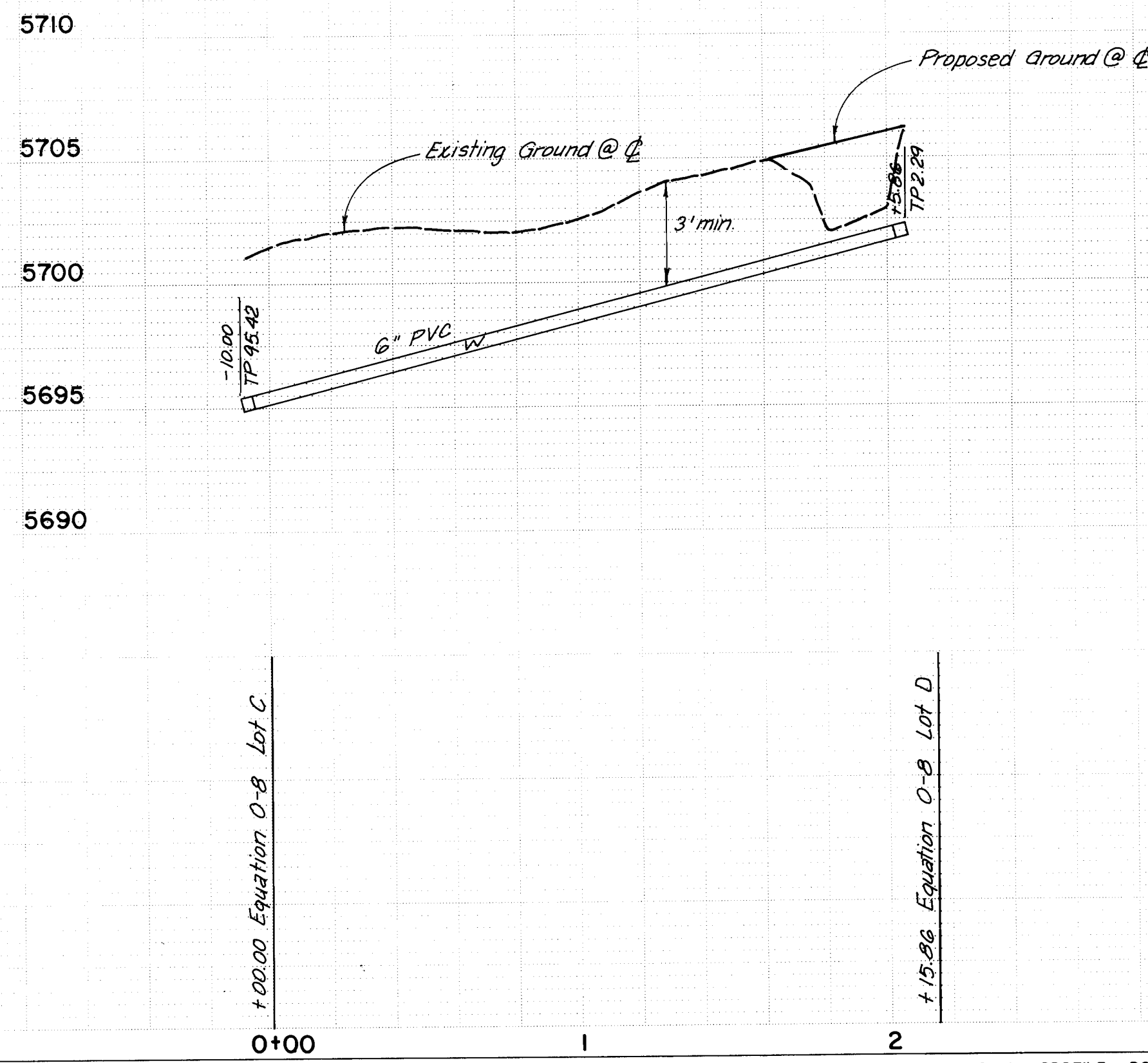
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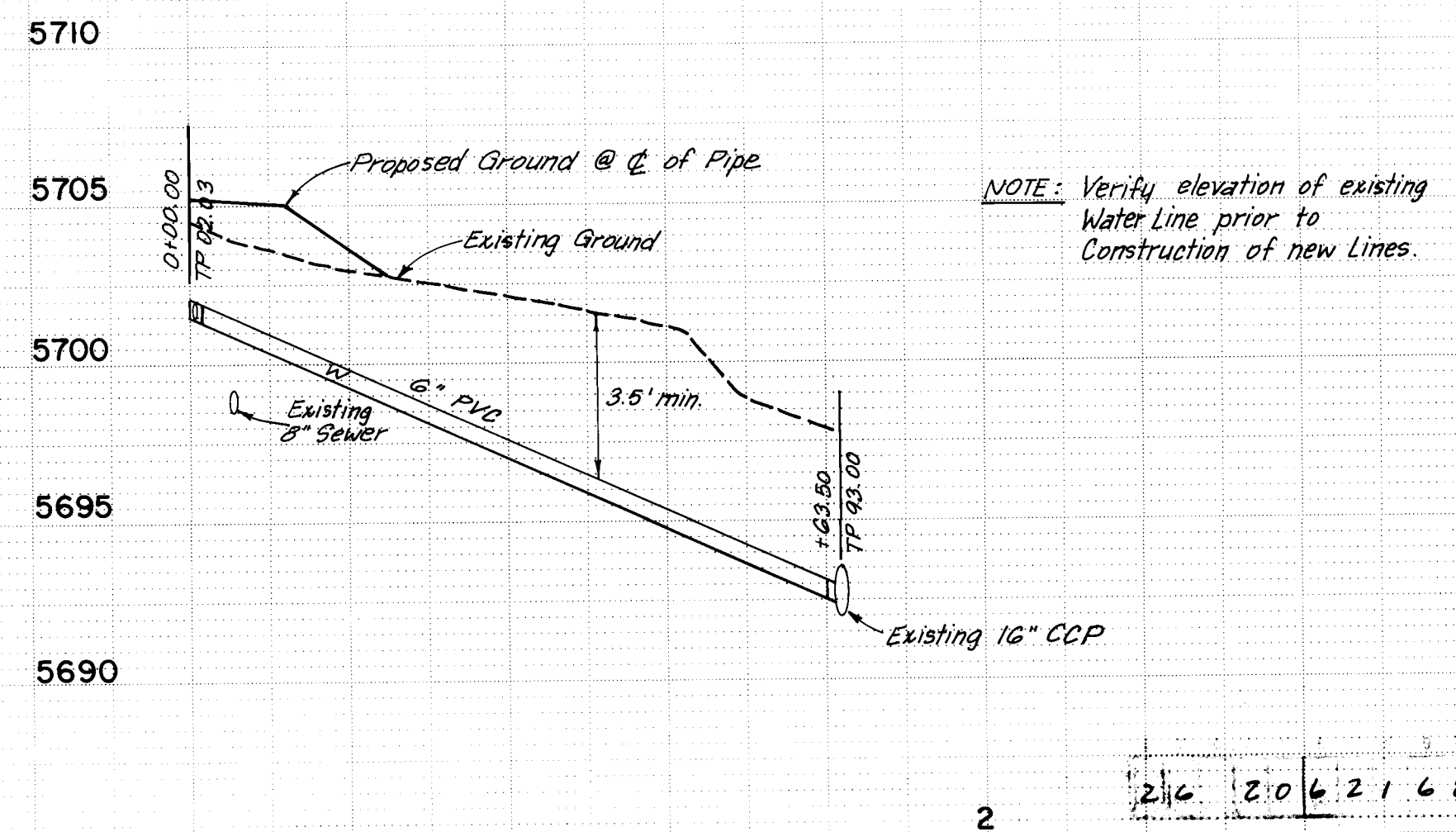
WEST UTILITY CONNECTIONS



OFFSITE WATERLINE



EMERGENCY ACCESS EASEMENT

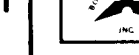


PREPARED UNDER THE DIRECTION OF <i>Michael M. [Signature]</i> STATE OF NEW MEXICO EM 5194 1-31-94 REGISTERED PROFESSIONAL		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
TITLE: TIERRA ANTIGUA WEST UTILITY CONNECTIONS, OFFSITE WATERLINE, EMERGENCY ACCESS EASEMENT			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	3/14/94	City Engineer
A.C.E.-Design	<i>[Signature]</i>	3/14/94	A.C.E.-Design
A.C.E.-Hydrology	<i>[Signature]</i>	3/14/94	A.C.E.-Hydrology
APPROVED FOR CONSTRUCTION <i>[Signature]</i> 3/14/94		CITY ENGINEER DATE	
DRAWING NO.	2062	SHEET	16 OF 19

PROFILE		BY _____	DATE _____
SURVEYED _____			
PLOTTED _____			
GRADES CHECKED _____			
B. M. NOTED _____			
STRUCTURE NOTATIONS CHECKED _____			

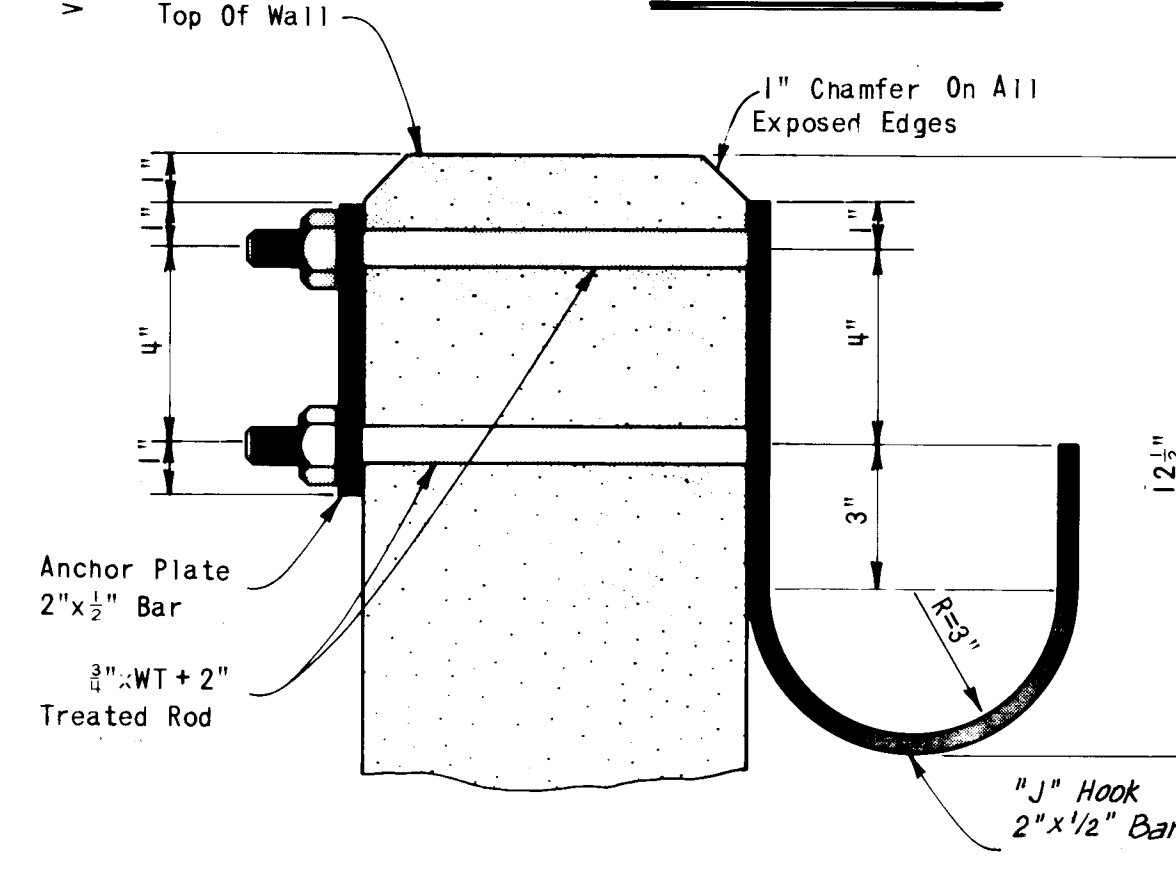
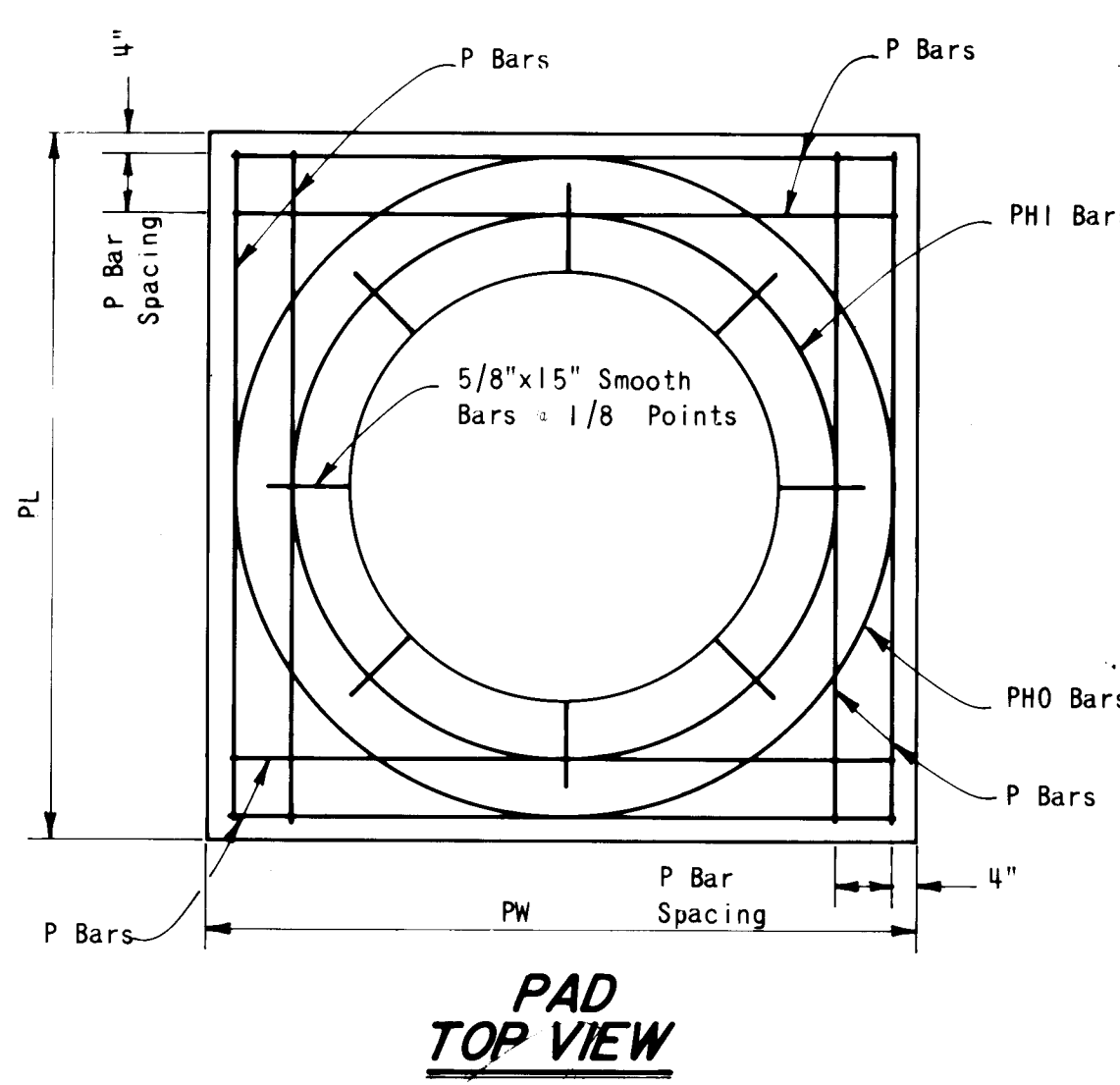
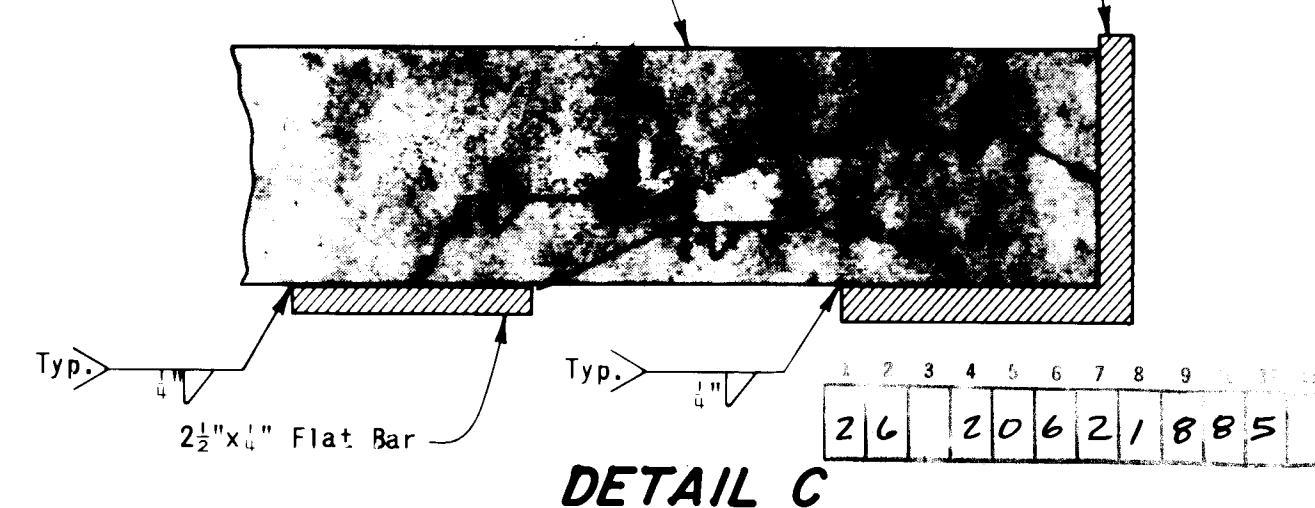
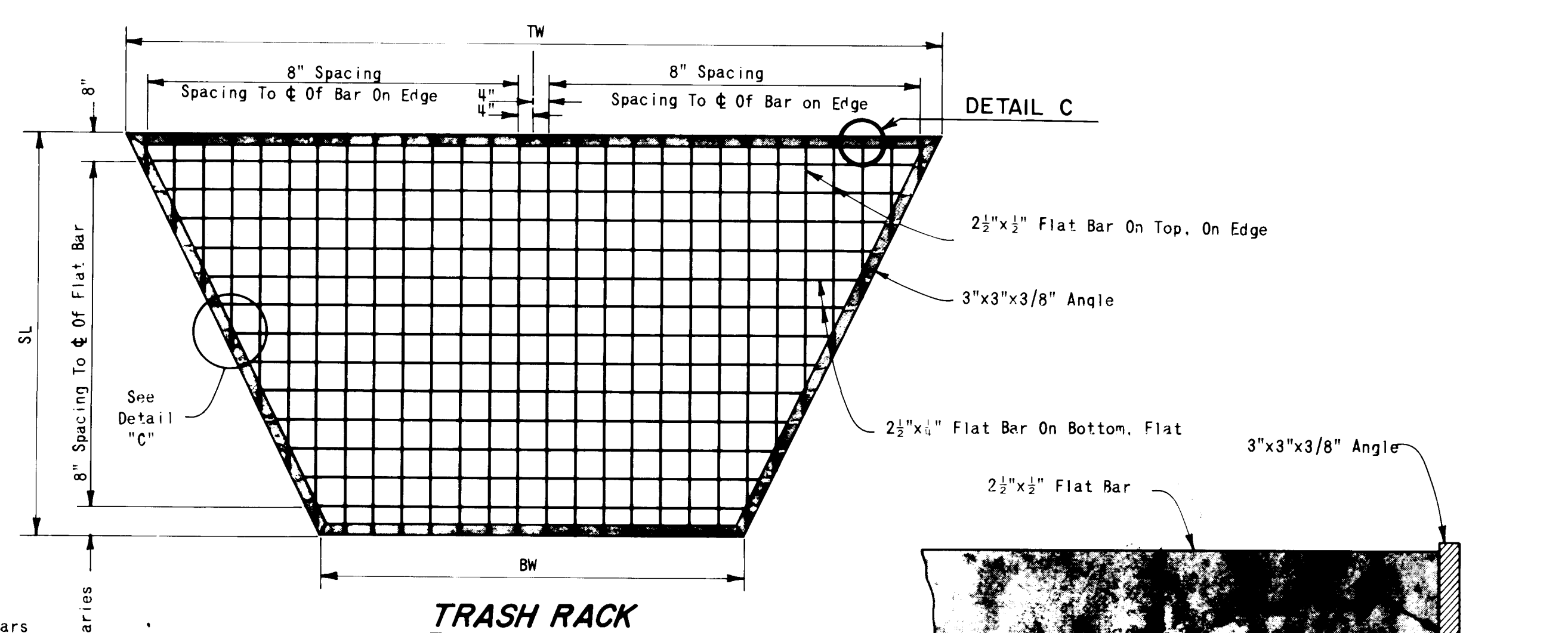
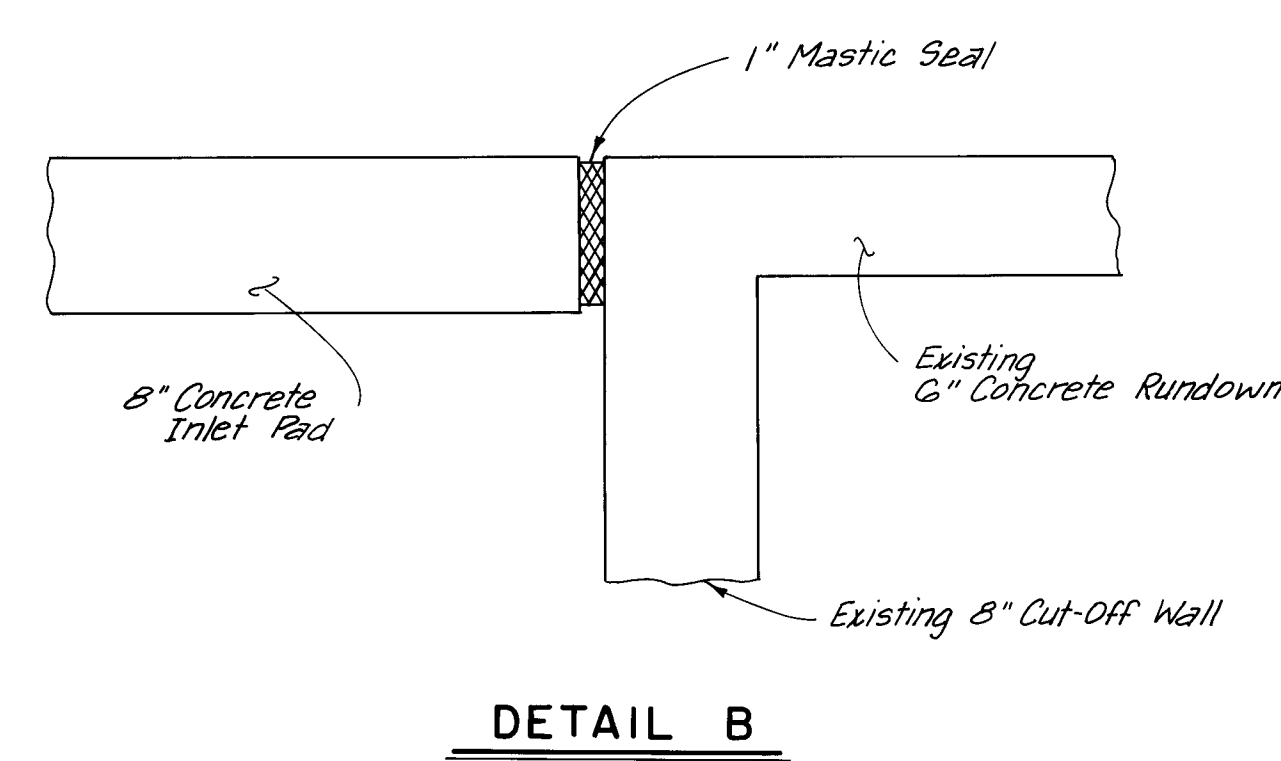
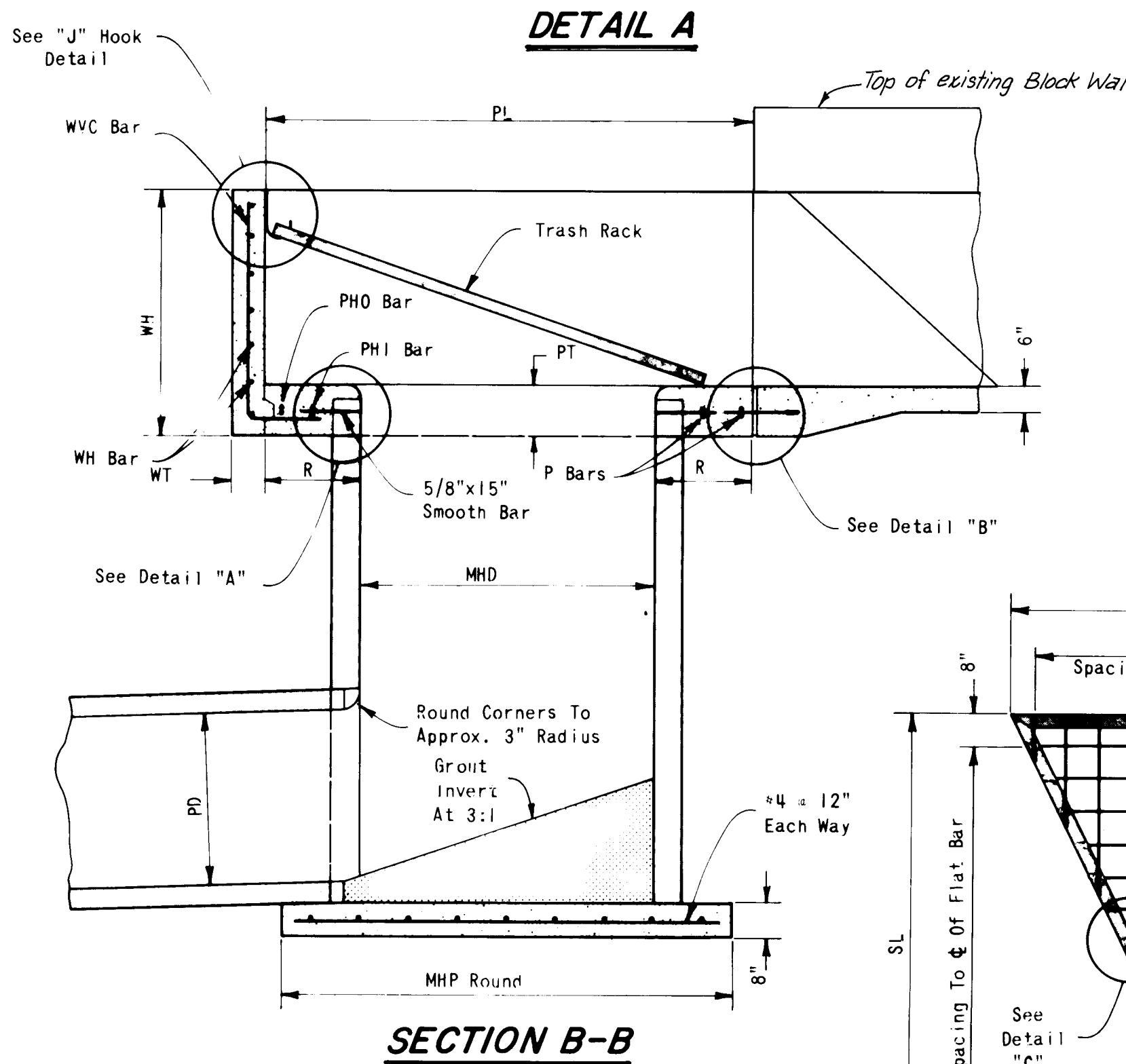
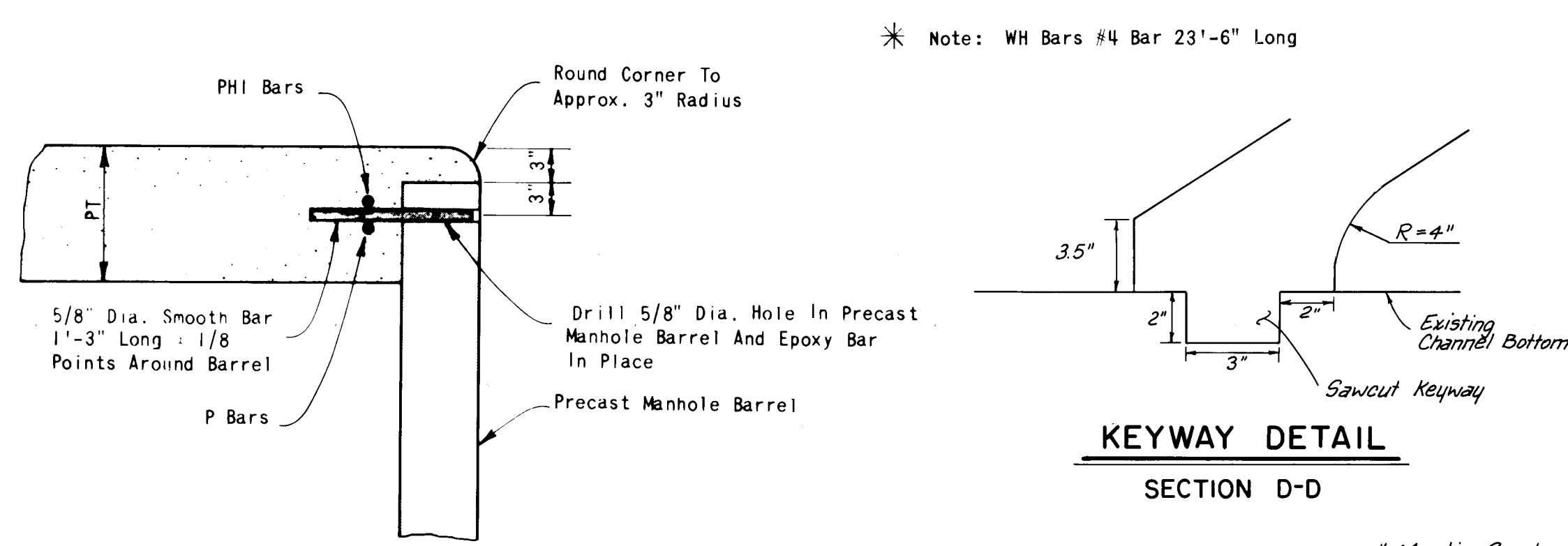
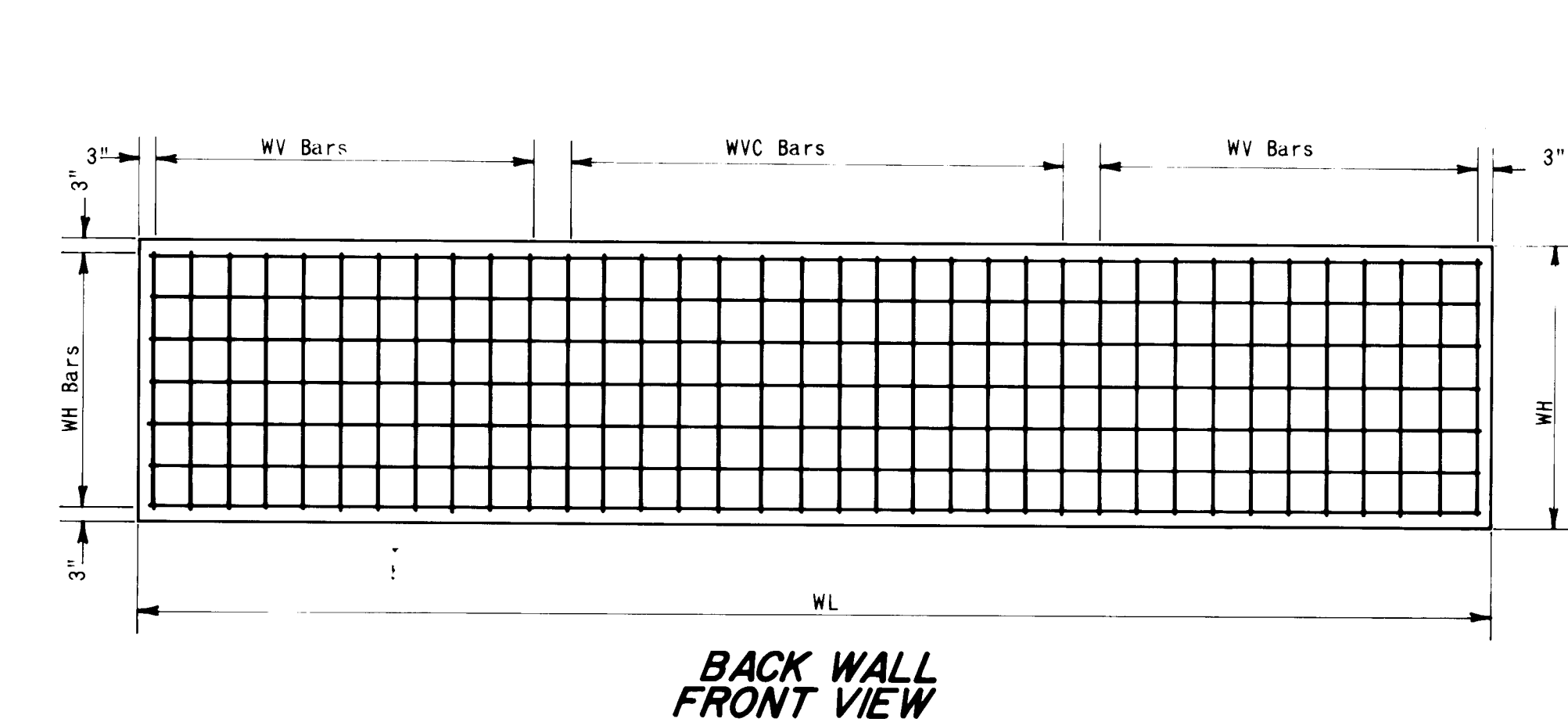
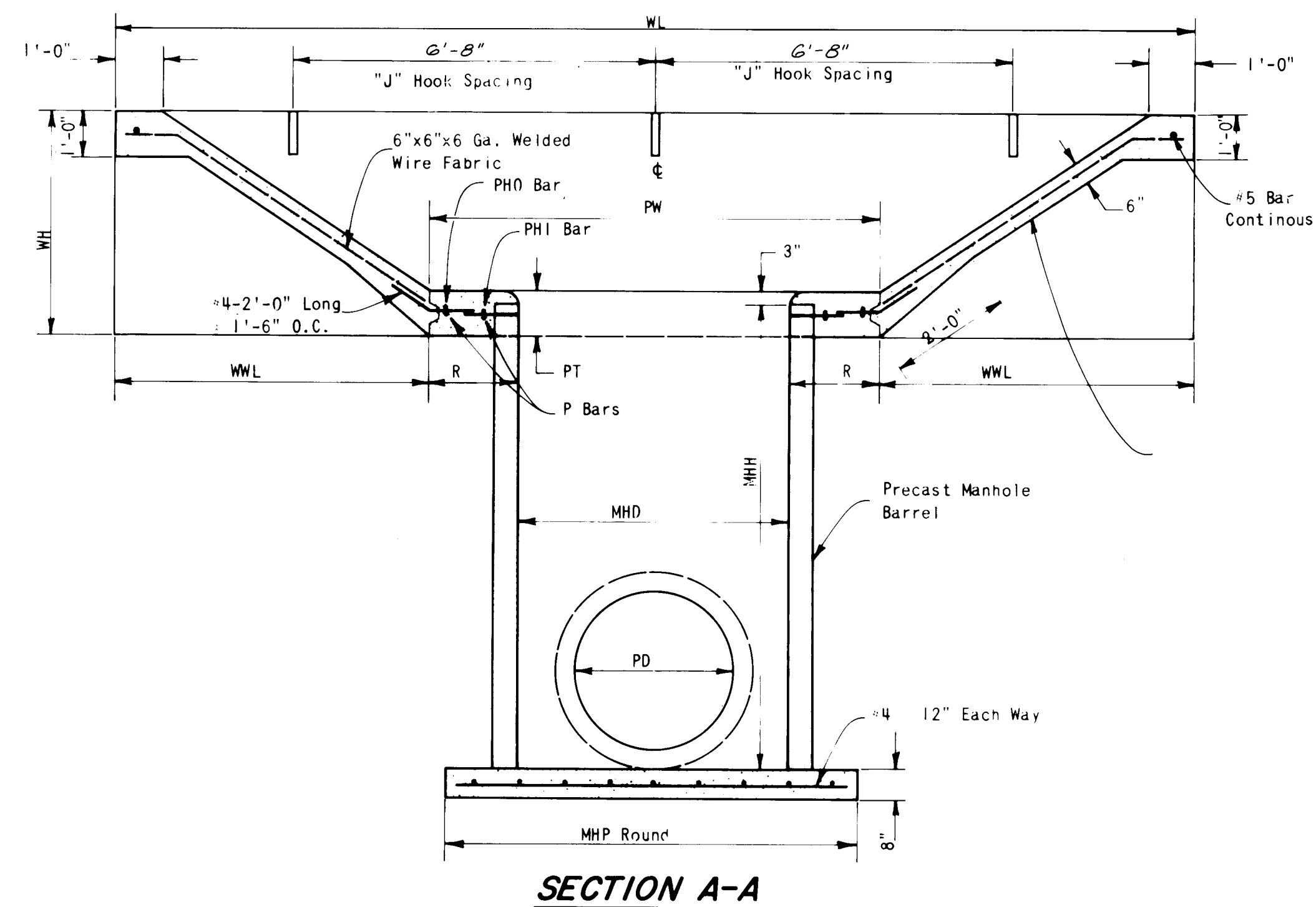
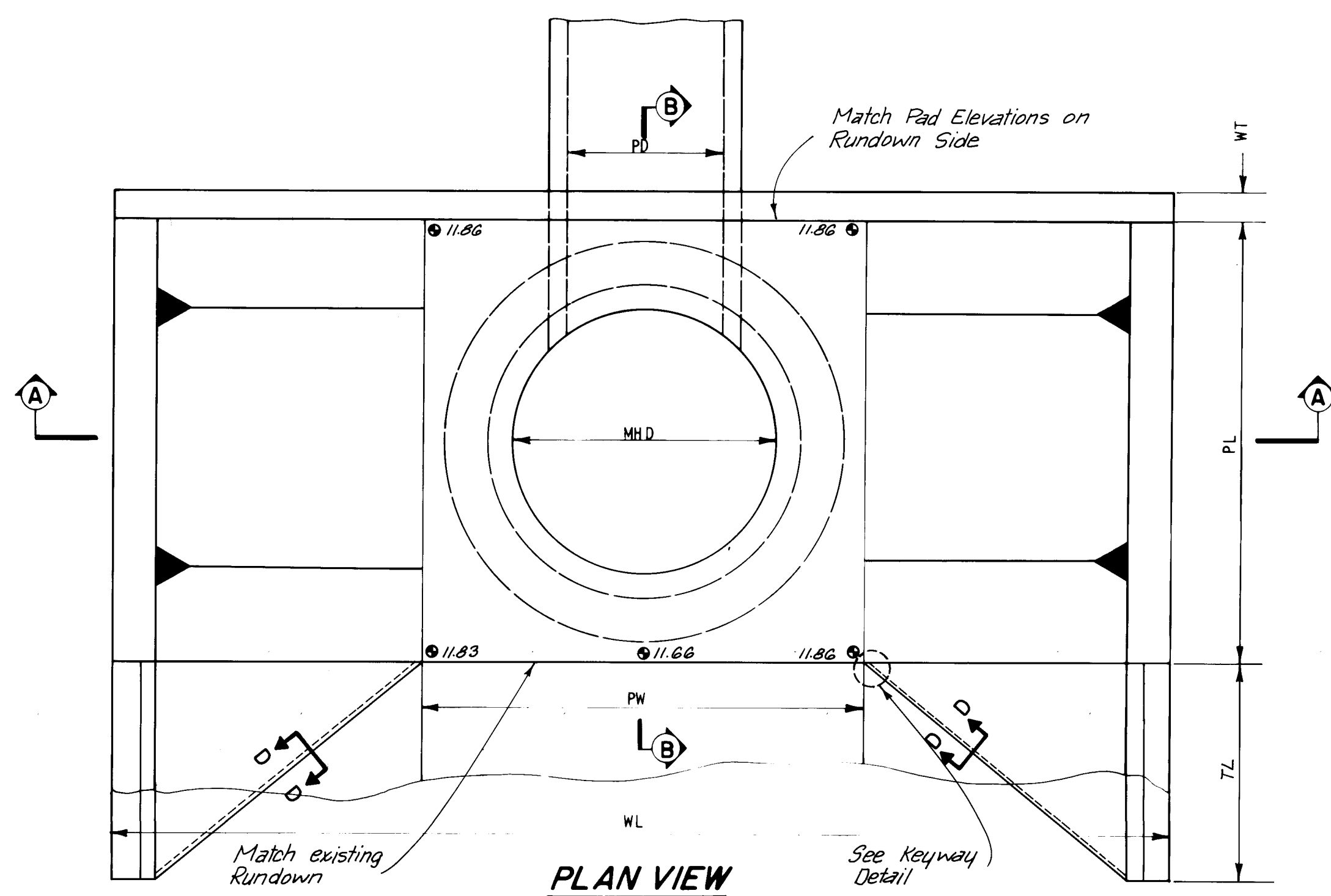


			REFERENCES		SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
			MAP NO.	E-21				STATION IS A STANDARD A.C.S. BRASS TABLET		CONTRACTOR	
			EST. NO.	W.O. NO.	NO.	BY	DATE	STAMPED "1-E21-A", SET IN TOP OF THE WEST CURB ON EUBANK BLVD. STATION IS LOCATED APPROXIMATELY 380 FEET NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE.		WORK STAMPED BY	
			NO.	DATE	REMARKS	BY		APPROVED BY		DATE	
			REVISIONS			DESIGN			FIELD LATION BY		DATE
									DRAWINGS CORRECTED BY		DATE
			DESIGNED BY KBA			DATE 1/84			RECORDED BY		DATE
			DRAWN BY UK			DATE 1/84			NO.		
			CHECKED BY DWK			DATE 1/84					

PREPARED UNDER THE DIRECTION OF 	 CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION				
TITLE: TIERRA ANTIGUA 42" STORM DRAINAGE PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/11/04	Liquid Waste	<i>[Signature]</i>	5/11/04
A.C.E.-Design	<i>[Signature]</i>	5/11/04	Traffic	NA	3/14/04
A.C.E.-Hydrology	<i>[Signature]</i>	5/11/04	Water	NA	5/11/04
APPROVED FOR CONSTRUCTION			DRAWING NO. 2062		
 <i>[Signature]</i> 5/11/04 CITY ENGINEER DATE			SHEET 17 OF 19		

The diagram shows two symbols. On the left is the 'L' symbol, which is a vertical line with a horizontal line at the bottom. Below the horizontal line is a dimension line with arrows at both ends, labeled 'X'. On the right is the 'PHI & PHO BAR' symbol, which is a circle. Inside the circle is a horizontal line with arrows at both ends, labeled 'Dia.'. Below the circle is the text 'PHI & PHO BAR'.

2% Slope To Drain Pad

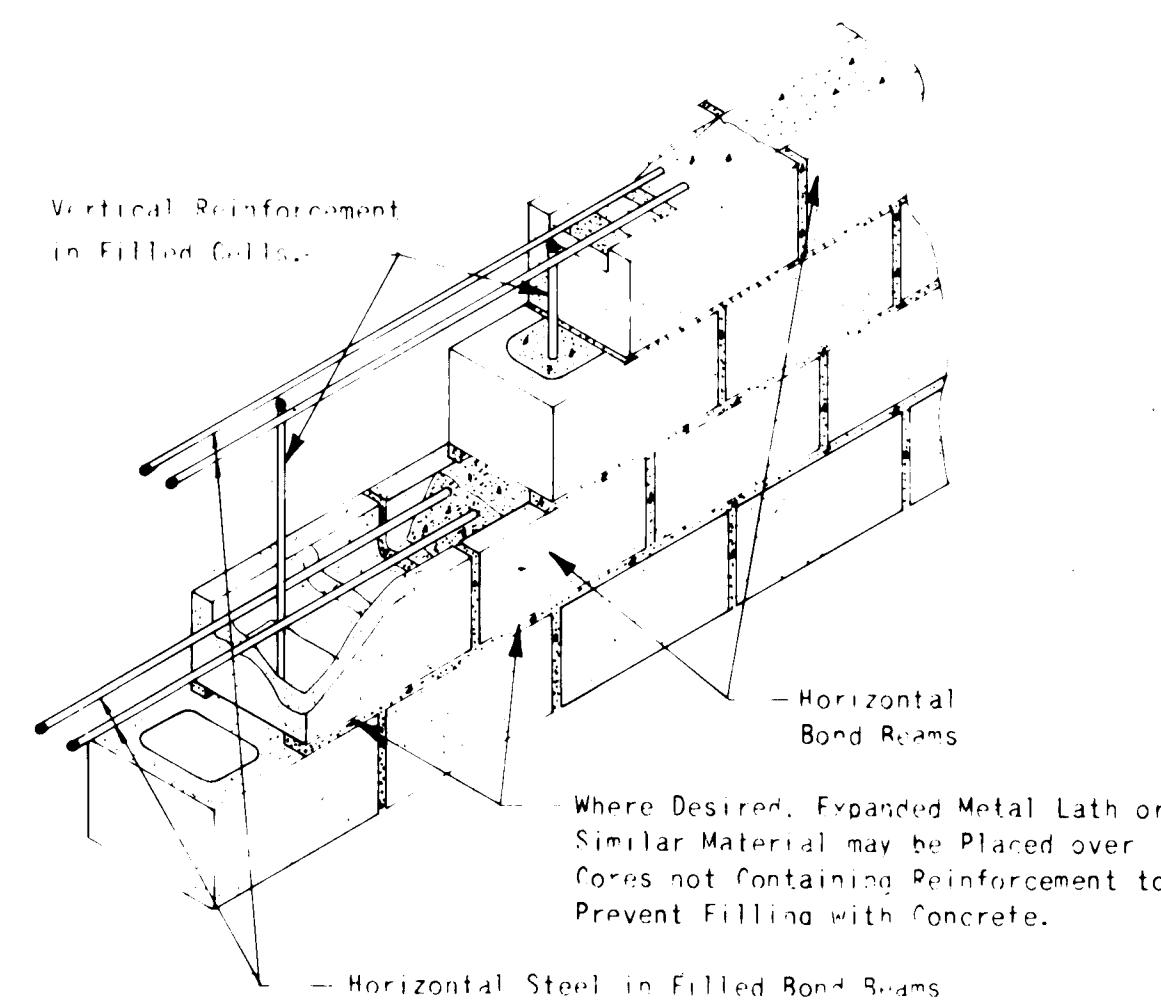
[illegible]

PREPARED UNDER THE DIRECTION OF 	 CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																									
TITLE: TIERRA ANTIGUA 42" STORM DRAINAGE INLET DETAILS																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td><i>[Signature]</i></td> <td>5/14/02</td> <td>Liquid Waste</td> <td><i>[Signature]</i></td> <td>5/14/02</td> </tr> <tr> <td>A.C.E. - Design</td> <td><i>[Signature]</i></td> <td>5/14/02</td> <td>Traffic</td> <td><i>[Signature]</i></td> <td>3/14/02</td> </tr> <tr> <td>A.C.E. - Hydrology</td> <td><i>[Signature]</i></td> <td>5/14/02</td> <td>Water</td> <td><i>[Signature]</i></td> <td>5/14/02</td> </tr> </tbody> </table>			APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>[Signature]</i>	5/14/02	Liquid Waste	<i>[Signature]</i>	5/14/02	A.C.E. - Design	<i>[Signature]</i>	5/14/02	Traffic	<i>[Signature]</i>	3/14/02	A.C.E. - Hydrology	<i>[Signature]</i>	5/14/02	Water	<i>[Signature]</i>	5/14/02
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																					
City Engineer	<i>[Signature]</i>	5/14/02	Liquid Waste	<i>[Signature]</i>	5/14/02																					
A.C.E. - Design	<i>[Signature]</i>	5/14/02	Traffic	<i>[Signature]</i>	3/14/02																					
A.C.E. - Hydrology	<i>[Signature]</i>	5/14/02	Water	<i>[Signature]</i>	5/14/02																					
APPROVED FOR CONSTRUCTION 2062																										
<table style="width: 100%;"> <tr> <td style="width: 30%;">CITY ENGINEER</td> <td style="width: 30%;">DATE</td> <td style="width: 40%; text-align: right;">SHEET 18 OF 19</td> </tr> </table>			CITY ENGINEER	DATE	SHEET 18 OF 19																					
CITY ENGINEER	DATE	SHEET 18 OF 19																								



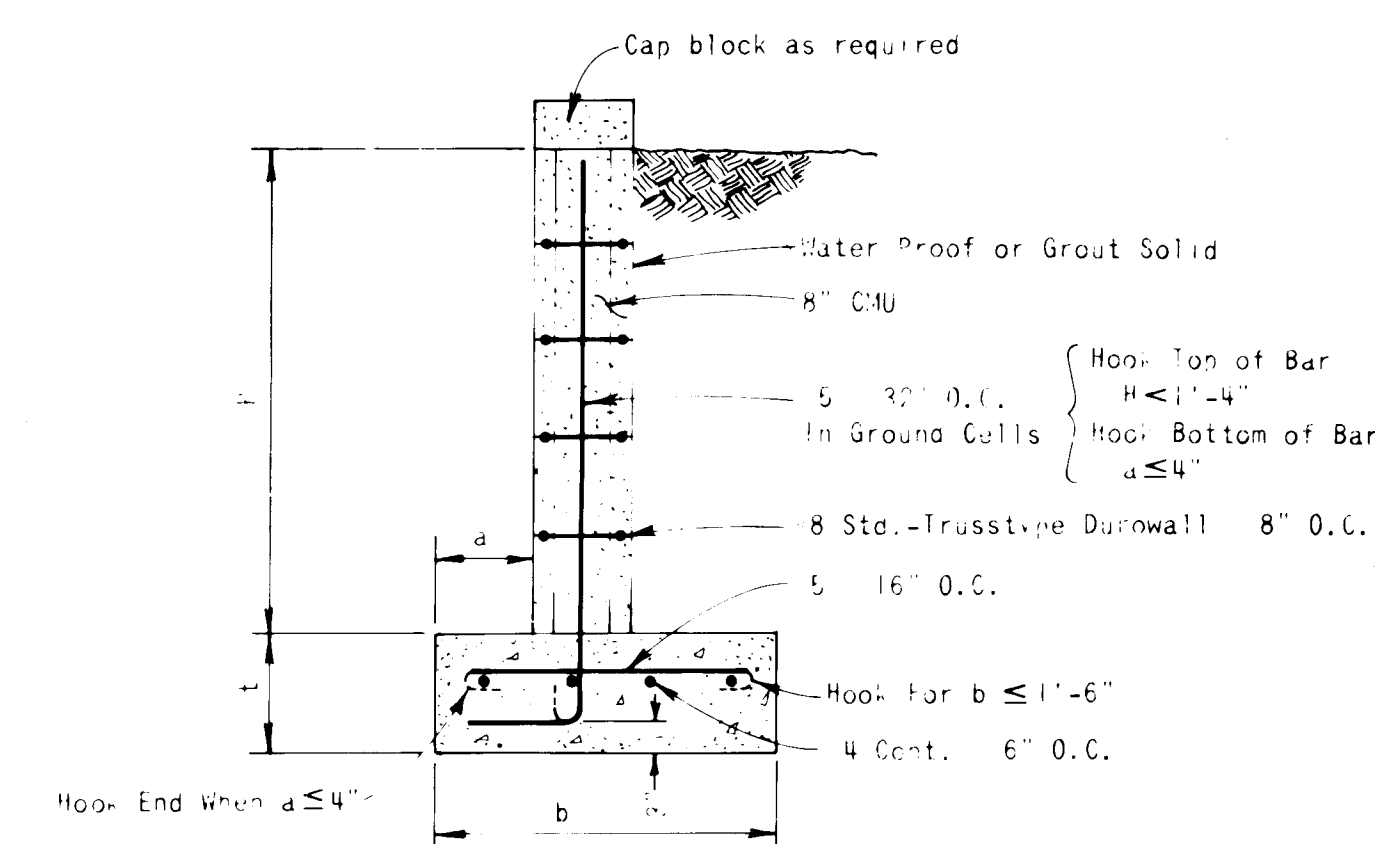
H	a	b	t	χ^2 Bars	χ Bars
ft.-in.	in.	ft.-in.	in.	(See Note 2)	
2' - 1"	8"	2' - 4"	10"	No. 4 32"	No. 4 27"
4' - 0"	10"	2' - 9"	10"	No. 4 32"	No. 4 27"
4' - 8"	12"	3' - 3"	10"	No. 5 32"	No. 4 27"
5' - 4"	14"	3' - 8"	10"	No. 4 16"	No. 4 30"
6' - 0"	15"	4' - 2"	12"	No. 6 24"	No. 4 25"

- GENERAL NOTES:
1. 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.
 2. 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".
 3. Dowels shall be at least equal in size and spacing to the V Bars. They shall project a minimum of 30 bar diameters into the filled back core and shall extend to the toe of the footing.
 4. Walls designed for level backfill only.



- NOTE:
1. Polymer Tests to conform to Grade N-1 ASTM C 90 of latest Revision.
 2. Master and Mold to conform to ASTM C 476 of latest Revision.

REINFORCED CONCRETE MASONRY WALL CONSTRUCTION



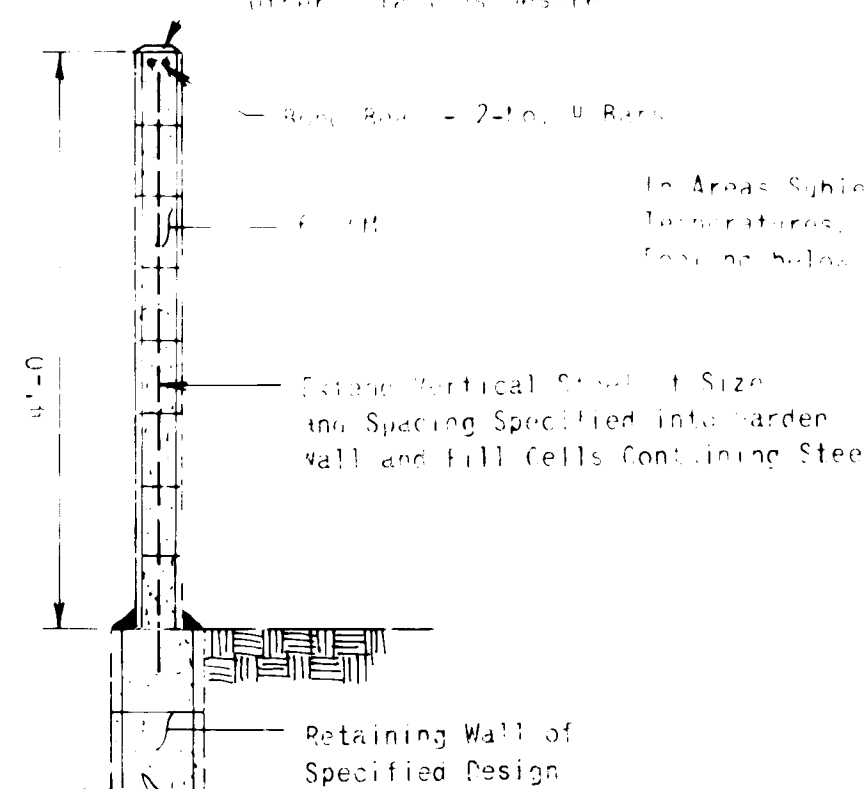
H	a	b	t
3°-4°	8°	2°-4°	10°
2°-8°	3°	2°-0°	10°
2°-0°	4°	1°-6°	10°
1°-4°	4°	1°-6°	10°
0°-8°	4°	1°-4°	10°
3°-°	0	2°-4°	10°
2°-8°	0	2°-0°	10°
2°-0°	0	1°-6°	10°
1°-4°	0	1°-6°	10°
0°-8°	0	1°-4°	10°

REINFORCED CONCRETE MASONRY WALL
0 to 3'-4"

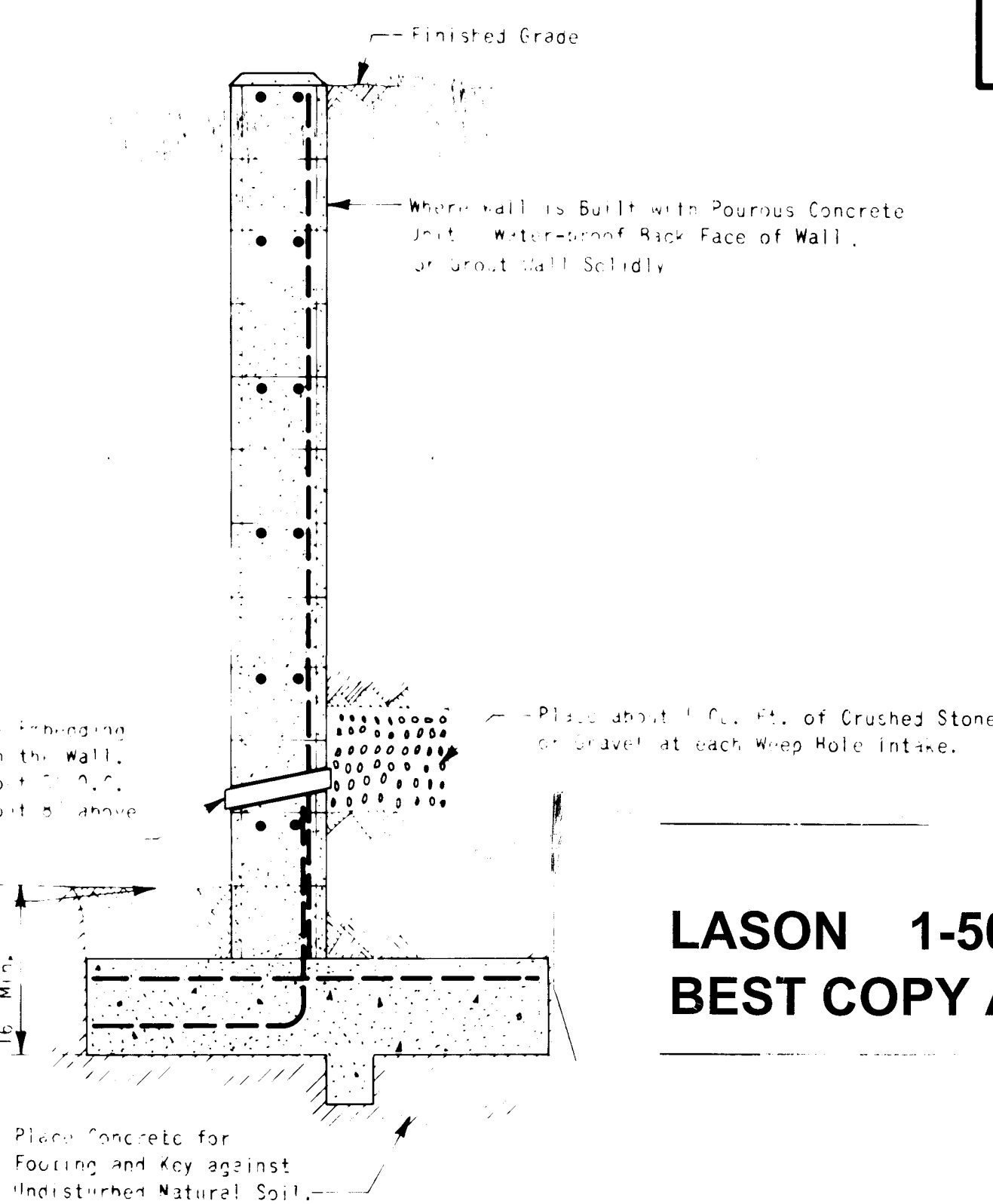
- NOTE: IF STEEL IS PLACED 2" FROM THE LOADED FACE OF THE WALL AND THIS PRACTICE IS CAREFULLY CONTROLLED, 6" C.M.U. BLOCKS MAY BE USED IN LIEU OF 8" C.M.U. BLOCKS.

[illegible]

- GENERAL NOTE:
1. Reprint numbers are given in parentheses and given in the table may be substituted for their development for the purpose of at least one of the following questions:
 2. A reprint number is given in parentheses and given in the table may be substituted for their development for the purpose of at least one of the following questions:
 3. A reprint number is given in parentheses and given in the table may be substituted for their development for the purpose of at least one of the following questions:



GARDEN WALL EXTENSION FOR ALL RETAINING WALLS

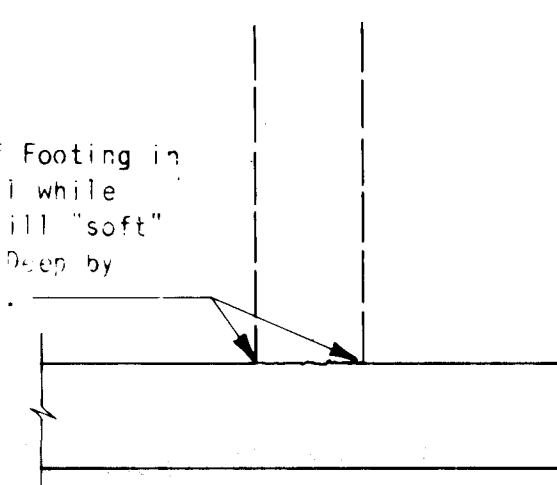


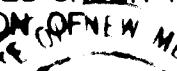
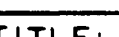
DRAINAGE PROVISIONS AND BACKFILLING PROCEDURES

- NOTE: Back filling an intact unreinforced concrete retaining wall should not be permitted until at least 7 days after the wall has been removed or grout, where heavy equipment is used in back filling, is placed to resist back 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

LASON 1-505-344-9404
BEST COPY AVAILABLE



PREPARED UNDER THE DIRECTION OF THE 	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
	TITLE: TIERRA ANTIGUA BLOCK RETAINING WALL DETAILS			
	APPROVALS City Engineer A.C.E. - Design A.C.E. - Hydrology	ENGINEER 	DATE 4/18/06	APPROVALS Liquid Wastewater Traffic Water