

1. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the New Mexico Standard Specifications for Public Works Construction - 1979 Edition (referred to herein as the Standard Specifications) and the Contract Documents for City Wide Utilities and Cash Paving No. 31.
2. Two(2) working days prior to any excavation, the contractor must contact Line Locating Service, 765-1234 for location of existing utilities.
3. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with minimum amount of delay.

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 depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to acceptance of the curb and gutter.
- ☐ All storm drainage facilities shall be completed prior to final acceptance.

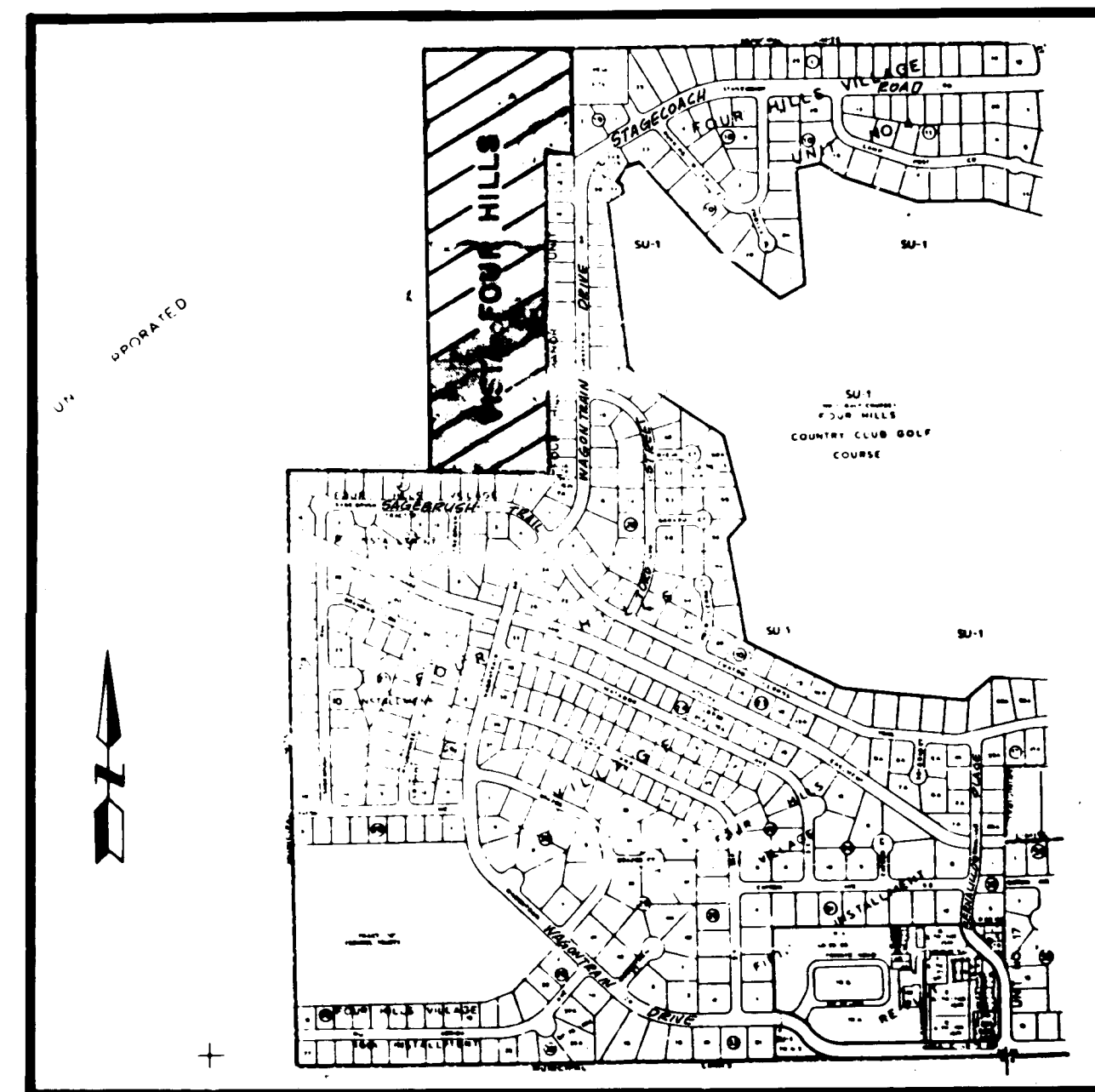
VISTA FOUR HILLS SUBDIVISION

PHASE II

ALBUQUERQUE, NEW MEXICO

INDEX

Sheet No.	TITLE
1	PLAT AND COMPUTATIONS
2	PROPOSED PAVING DESIGN
3	PROPOSED WATER DESIGN
4	PROPOSED SEWER DESIGN
5-6	PROPOSED GRADING PLAN
7-14	PLAN AND PROFILES
15-16	SANITARY SEWER OUTFALL DESIGN



1983 Revisions on Sheets

Sheet No.	Revision No.
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1

APPROVED FOR CONSTRUCTION
C. H. [Signature]
CITY ENGINEER
DATE 10/20/83

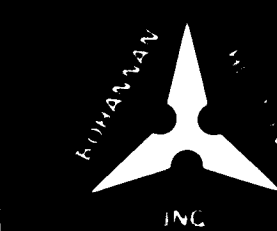
APPROVED FOR CONSTRUCTION
C. H. [Signature]
CITY ENGINEER
DATE 10/1/83

26 1904 0084

REENTRY APPROVALS		
APPROVALS	ENGINEER	DATE
City Engineer	C. H. [Signature]	10/20/83
Asst. City Engineer	[Signature]	10/20/83
Hydrology Engineer	[Signature]	10/20/83
Liquid Waste	[Signature]	10/20/83
Traffic	[Signature]	10/20/83
Water Resources	[Signature]	10/20/83
Quality Assurance	[Signature]	10/20/83

REENTRY APPROVALS
Reentry By
Scanlon Associates

1904



DRAWN BY D.H.1

NR.	DISTANCE	BEARING
T1	25.00'	S00°54'52"W
T2	50.48'	S13°21'30"E
T3	25.00'	S00°51'29"W
T4	18.80'	S00°35'27"W
T5	20.94'	S87°59'24"E
T6	30.80'	S00°35'27"W
T7	13.27'	S00°35'27"W
T8	41.68'	S63°39'33"E
T9	26.36'	S02°19'29"W

7810 4061 92

NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	25.00'	13.06'	12.91'	29°55'35"	6.68'
C2	50.00'	65.12'	60.61'	74°37'20"	38.11'
C3	50.00'	65.88'	61.22'	75°29'33"	38.71'
C4	25.00'	39.39'	35.44'	90°16'02"	25.12'
C5	25.00'	39.27'	35.36'	90°00'00"	25.00'
C6	25.00'	39.15'	35.27'	89°43'58"	24.88'
C7	50.00'	38.52'	37.58'	44°08'34"	20.27'
C8	50.00'	82.42'	73.40'	94°26'35"	54.04'
C9	50.00'	9.83'	9.82'	11°16'00"	4.93'
C10	25.00'	54.86'	44.50'	125°04'27"	48.79'
C11	25.00'	23.68'	22.80'	54°15'33"	12.81'
C12	25.00'	28.03'	26.59'	64°15'00"	15.70'
C13	25.00'	50.51'	42.34'	115°45'00"	39.81'
C14	25.00'	38.65'	34.91'	88°34'51"	24.39'
C15	25.00'	39.89'	35.79'	91°25'09"	25.63'
C16	50.00'	43.19'	41.86'	49°29'30"	23.05'
C17	50.00'	43.48'	42.14'	49°50'29"	23.23'
C18	50.00'	45.33'	43.79'	51°56'20"	24.35'
C19	50.00'	26.12'	25.82'	29°55'35"	13.36'
C20	50.00'	50.44'	48.32'	57°47'42"	27.60'
C21	50.00'	52.98'	50.54'	60°42'44"	29.28'
C22	50.00'	10.01'	9.99'	11°27'56"	5.02'
C23	50.00'	66.05'	61.36'	75°41'37"	38.85'
C24	50.00'	32.24'	31.68'	36°56'38"	16.70'
C25	25.00'	21.03'	20.41'	48°11'23"	11.18'
C26	50.00'	67.98'	62.86'	77°53'47"	40.41'
C27	50.00'	52.62'	50.22'	60°17'36"	29.04'
C28	50.00'	51.77'	49.49'	59°19'32"	28.48'
C29	50.00'	68.82'	63.52'	78°51'51"	41.12'

REPLAT OF
TRACT 1
(FILED JANUARY 27, 1978)
VISTA FOUR HILLS
BERNALILLO COUNTY, NEW MEXICO
SCALE 1"=100'
NOVEMBER 1978

79 21907

State: New Mexico
County: Bernalillo
Tract: 1

Surveyed by: [Signature]
Date: 10/27/78
Book: 89

DESCRIPTION

A certain tract of land within the NE 1/4 of Section 34, T10N, R4E, N.M.P.M., in Bernalillo County, New Mexico, being Tract 1, VISTA FOUR HILLS, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on January 27, 1978, and being more particularly described as follows:

BEGINNING at the southwest corner, said corner being the southwest corner of said Tract 1 and a point on the northerly boundary of FOUR HILLS VILLAGE, NINTH INSTALLMENT as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on September 30, 1971 and also being the C 1/4 of said Section 34, a dLM brass cap in place, whence the NGS control monument TIJERAS-2 having New Mexico State Plane Coordinate values (central zone) of X=422555.40 and Y=1470932.91 bears a grid bearing, S. 17°28'07" W., and a ground distance of 2828.56 feet; thence, N. 00°35'27" E., 1935.62 feet to the northwest corner, said corner being the northwest corner of said Tract 1; thence, S. 88°49'42" E., 676.42 feet to the northeast corner, said corner being the northeast corner of said Tract 1; thence, S. 00°54'52" W., 255.62 feet to a point on the northerly boundary of FOUR HILLS VILLAGE, FIFTH INSTALLMENT, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on September 23, 1963, thence continuing along the boundary line of said FOUR HILLS VILLAGE, FIFTH INSTALLMENT, S. 00°54'52" W., 232.93 feet to the northeast corner of FOUR HILLS MANOR, UNIT 1, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on February 6, 1978, thence continuing along the northerly boundary of said FOUR HILLS MANOR, UNIT 1, N. 87°58'55" W., 125.00 feet to a point being the northwest corner of said FOUR HILLS MANOR, UNIT 1; thence, S. 00°51'29" W., 1456.77 feet along the westerly boundary of said FOUR HILLS MANOR, UNIT 1 to the southeast corner, said corner being the southeast corner of said Tract 1 and the southwest corner of said FOUR HILLS MANOR, UNIT 1 and also being a point on the northerly boundary of said FOUR HILLS VILLAGE, NINTH INSTALLMENT and thence continuing along the northerly boundary of said FOUR HILLS VILLAGE, NINTH INSTALLMENT, N. 87°59'24" W., 524.04 feet to the point and place of beginning.

Tract contains 25.732 acres, more or less.

DEDICATION

The subdivision of the land hereon described is with free consent and in accordance with the desires of the undersigned owner and proprietor thereof, and said owner and proprietor does hereby dedicate the public rights-of-way shown hereon, together with all easements shown on this plat. Power and communication easements are reserved where shown by dashed lines, being 14 feet in width centered on the rear lot lines and 10 feet in width centered on the side lot lines, except as noted, including the right of ingress and egress and the right to trim interfering trees. Any drainage right-of-ways shown hereon are also right-of-ways for underground sewer and water lines.

BY: [Signature]

STATE OF NEW MEXICO)

COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 29th day of February, 1978, by Jack P. [Signature] of Sun Valley, Inc., a corporation, on behalf of said corporation.

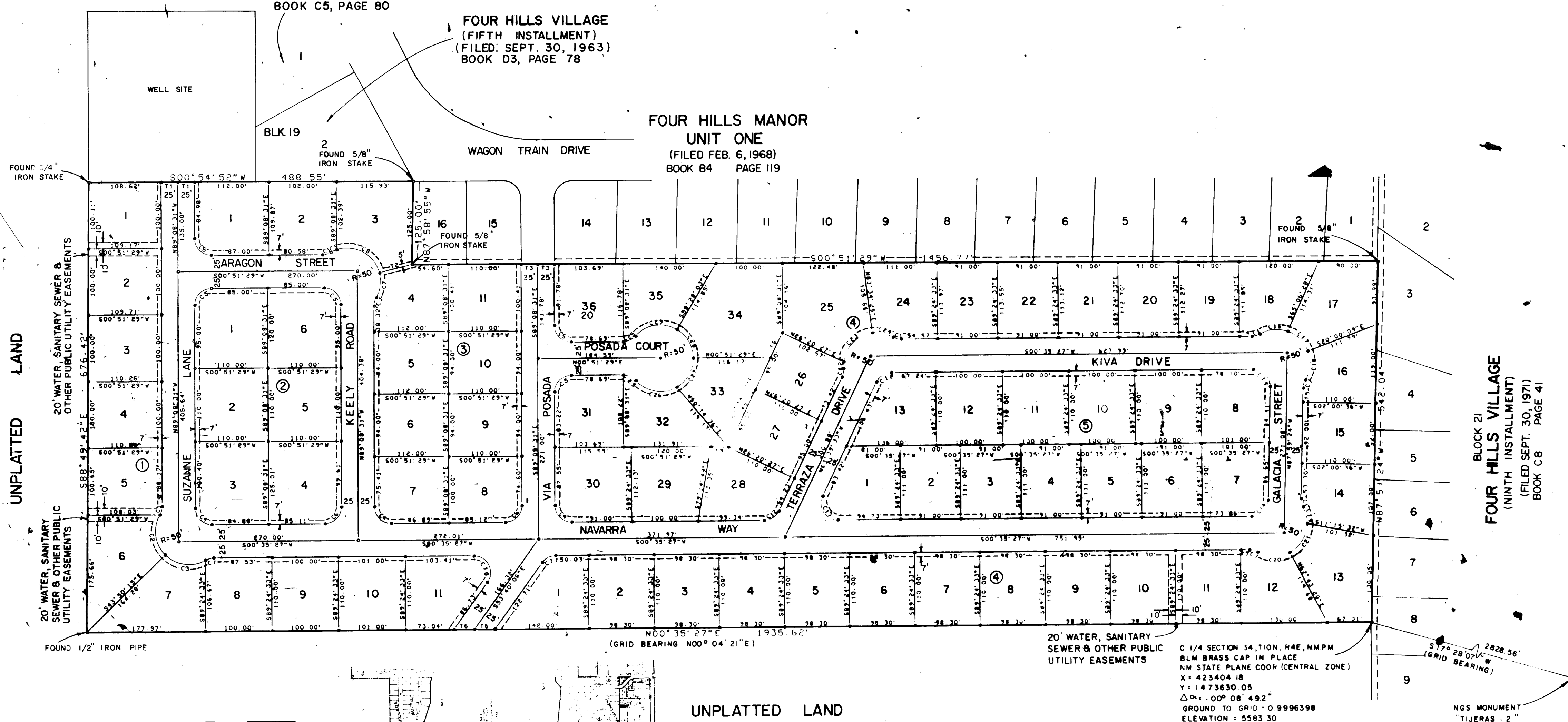
My commission expires: June 3, 1981
[Signature]
Notary Public

APPROVALS
Planning Director, City of Albuquerque NM 3-27-78
Date
[Signature] 3/23/78
Date
[Signature] 4/2/79
Date
[Signature] 12/2/78
Date
[Signature] 3/14/79
Date
[Signature] 1/3/79
Date
[Signature] 3-1-79
Date
[Signature] 12-18-78
Date
[Signature] 12-18-78
Date
[Signature] 3-1-79
Date
[Signature] 3-1-79
Date

FOUR HILLS VILLAGE
(FOURTH INSTALLMENT)
(FILED AUG. 24, 1961)
BOOK C5, PAGE 80

FOUR HILLS VILLAGE
(FIFTH INSTALLMENT)
(FILED SEPT. 30, 1963)
BOOK D3, PAGE 78

FOUR HILLS MANOR
UNIT ONE
(FILED FEB. 6, 1968)
BOOK B4, PAGE 119



UNPLATTED LAND

- NOTES:
- Distances are ground distances.
 - Elevations are field elevations.
 - Number 5 rebar with plastic cap marked PE&LS No. 2455 were set on corners designated by small solid circle.
 - Number of lots: 77 lots
 - Zone Atlas No. M-22
 - Number of miles of streets within subdivision: 0.93 miles

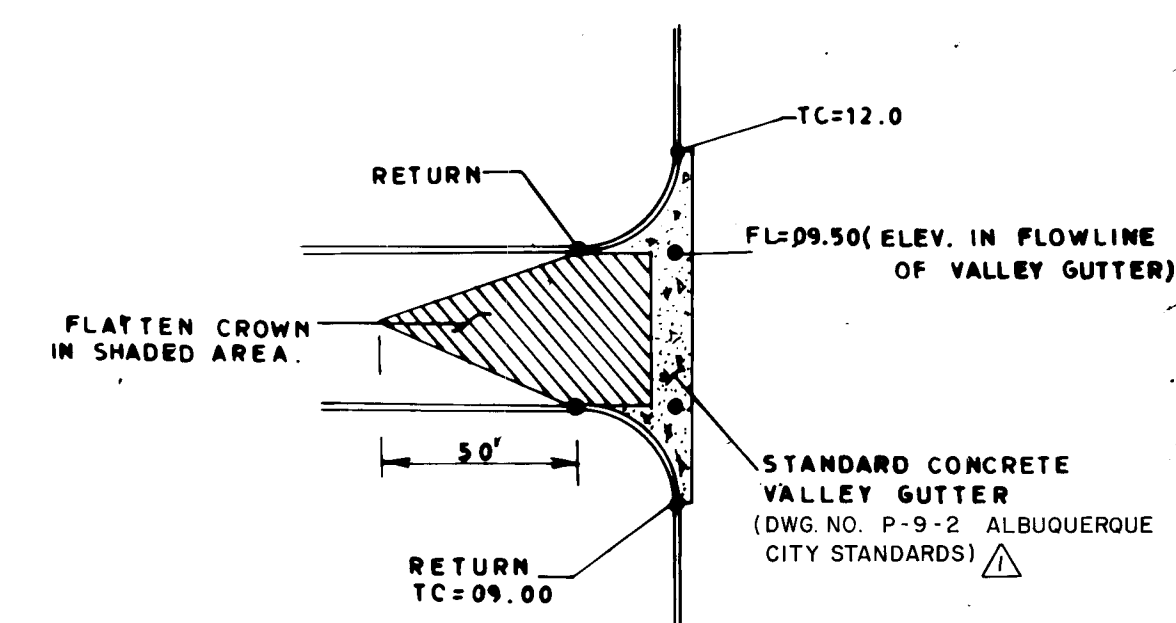
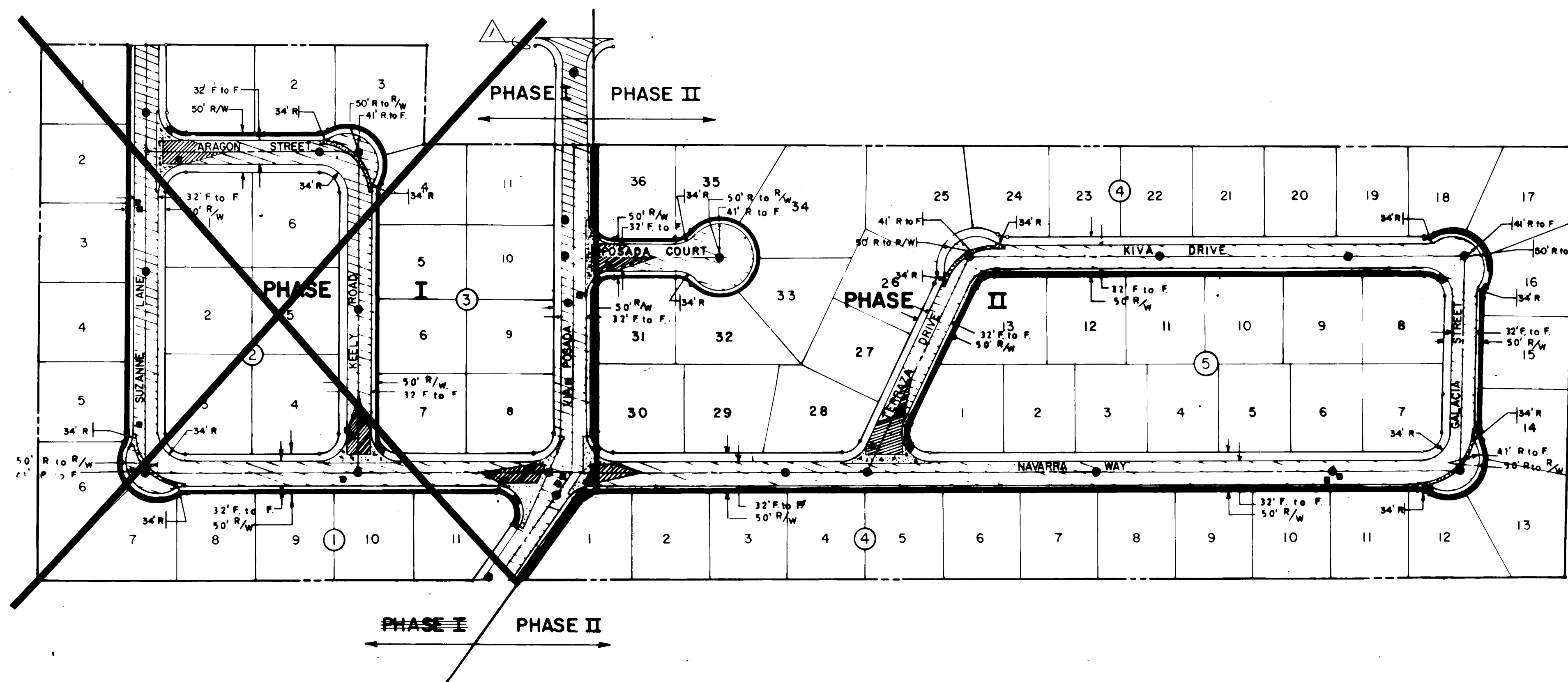
VICINITY MAP
NO SCALE

I, 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 and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance and shows all easements of record and is true and accurate to the best of my knowledge and belief.

A. Dwin Weaver
A. Dwin Weaver, NMPLS No. 6544

SHEET 1 OF 17
77-207

1904



TYPICAL VALLEY GUTTER DETAIL
NO SCALE

NOTE: FOR KNUCKLE VALLEY GUTTER DETAIL
REFER TO CITY STD. DWG. NO. P-10-1

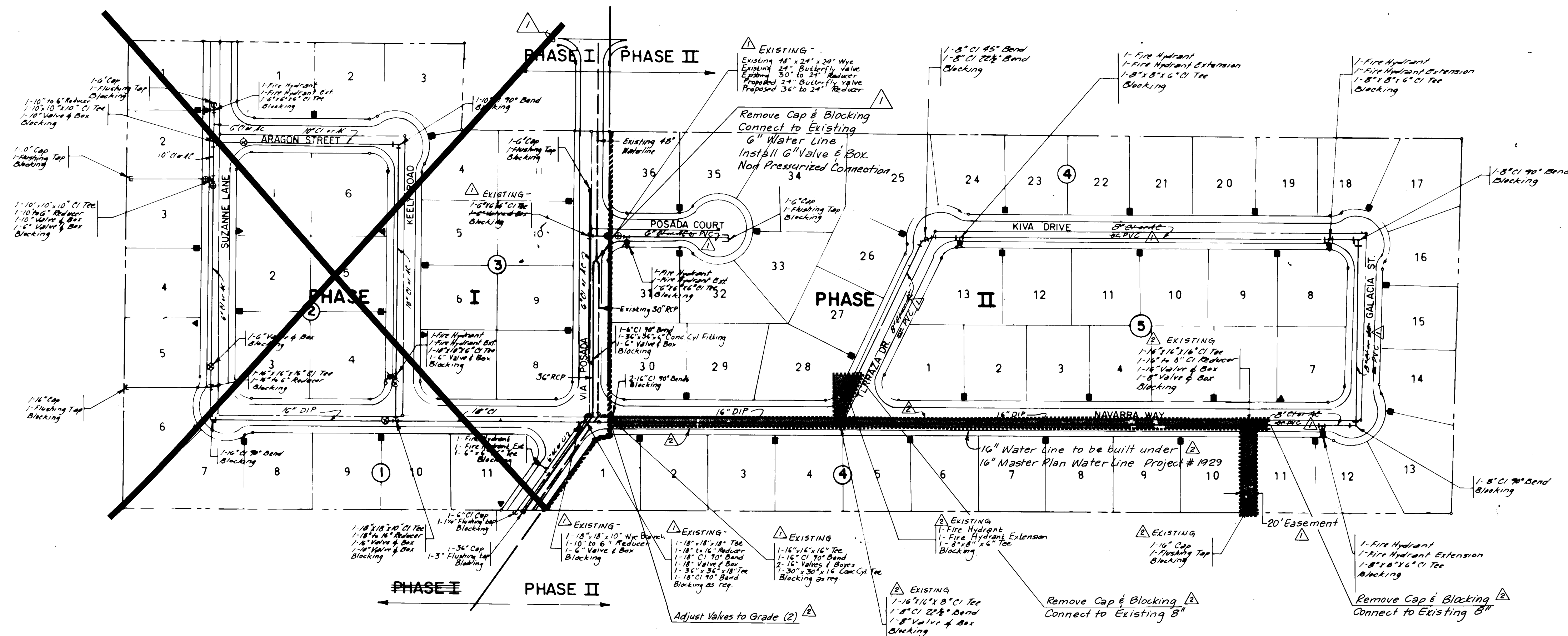
LEGEND

- PROPOSED RESIDENTIAL PAVING
- PROPOSED CURB & GUTTER
- PROPOSED SIDEWALK
- MANHOLE
- WATER VALVE

NOTES:

- ALL SIDEWALKS SHALL BE 4' WIDE, PLACED AGAINST THE PROPERTY LINE, UNLESS OTHERWISE SHOWN.
- ALL CURB RETURNS SHALL HAVE A 25' RADIUS AT THE FACE OF THE CURB UNLESS OTHERWISE SHOWN.
- NORTH AND WEST CURB LINES SHALL BE USED AS CONTROL CURBS OR AS APPROVED BY THE CITY ENGINEER.
- Sidewalks to be Built By Others.

APPROVALS		VISTA FOUR HILLS SUBDIVISION PHASE II	
CITY ENGINEER <i>Richard S. Hill</i>	ASST. CITY ENGINEER - DESIGN <i>[Signature]</i>	PROJECT NO. 1904	PROPOSED PAVING DESIGN
DATE 4/1/79	DATE 11/12/78	ALBUQUERQUE, NEW MEXICO	
LIQUID WASTE ENGINEER <i>[Signature]</i>	WATER ENGINEER <i>[Signature]</i>	JOB NO. 77-207	SHEET 2 17
DATE 5 April 79	DATE 5 April 79	DATE JUL 1979	DATE DEC 1978
ASST. CITY ENGINEER - HYDROLOGY <i>[Signature]</i>	TRAFFIC ENGINEER <i>R.C. Bryant</i>	DESIGNED BY JLM	CHECKED BY RMB
DATE 4-3-79	DATE 4-3-79	SCALE 1"=100'	
APPROVED FOR CONSTRUCTION: <i>[Signature]</i>			



LEGEND

- PROPOSED WATERLINE
- - - EXISTING WATERLINE & VALVE
- PROPOSED WATERLINE & VALVE
- ▲— PROPOSED FIRE HYDRANT
- DOUBLE WATER SERVICE - 3/4"
- ▲ SINGLE WATER SERVICE - 3/4"

NOTES:

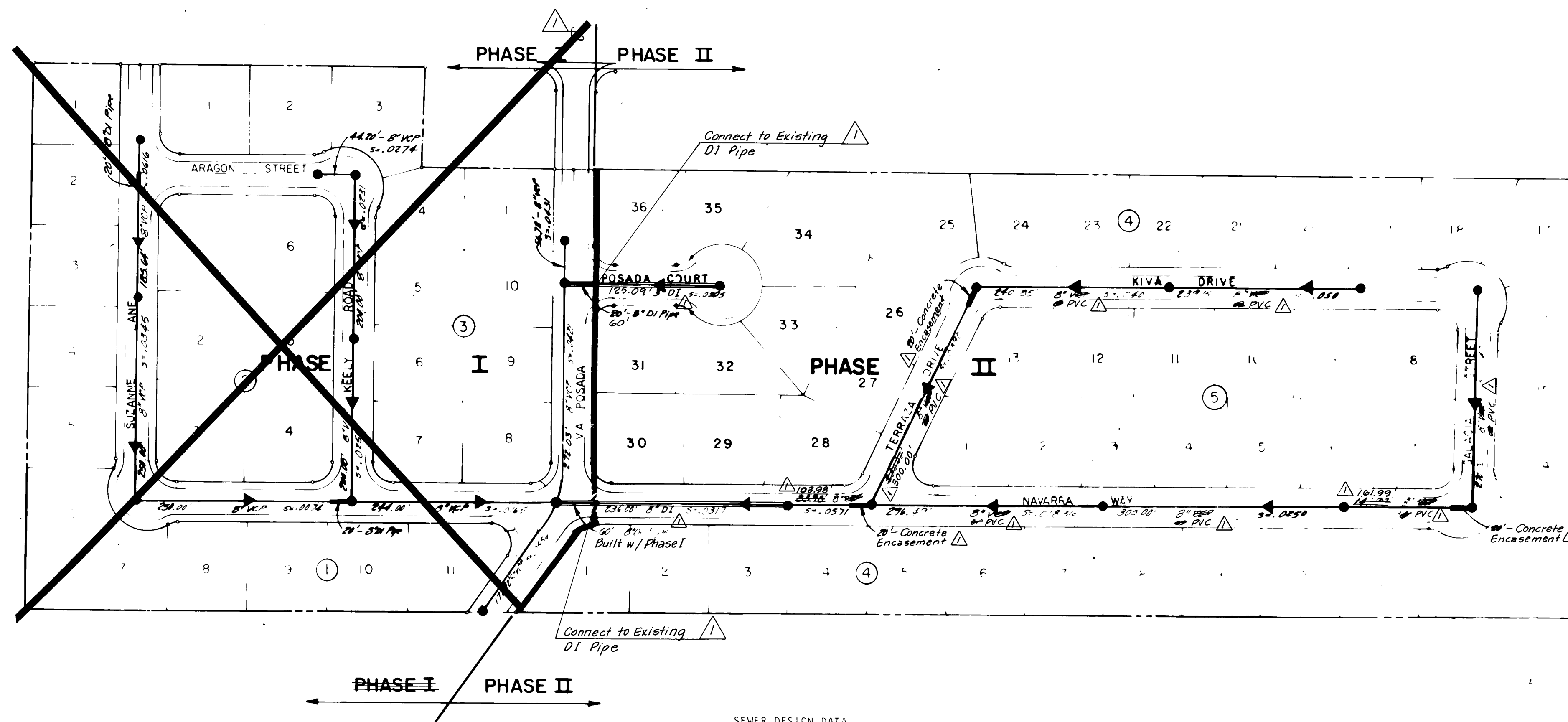
1. Water lines are located 10' north or west of centerline unless otherwise shown.
2. Fire hydrants to be located 5' from end of curb returns or at property line between lots.
3. Place valves at P. T. of curb returns.
4. Pipe crown shall be a minimum of 3' - 8" below top of curb.
5. Vertical flange of fire hydrants are to be 5" above top of curb.
6. Water and sewer lines shall be separated by a minimum of 10' horizontally.
7. Electronic Marker Disks shall be installed in accordance with Section 131 of the Supplemental Technical Specifications of the Contract Documents for City Wide Utilities and Cash Paving No. 31.

26 1904 0384

John D. Johnson

Revisions Only

APPROVALS			
CITY ENGINEER <i>Richard Hill</i> DATE 4/10/79	ASST CITY ENGINEER-DESIGN <i>J. J. Smith</i> DATE 4/10/79	VISTA FOUR HILLS SUBDIVISION PHASE II	
LIQUID WASTE ENGINEER <i>John Hill</i> DATE 5/24/79	WATER ENGINEER <i>John Hill</i> DATE 5/24/79	PROJECT NO. 1904	
ASST CITY ENGINEER-HYDROLOGY <i>R. C. Bunt</i> DATE 4-8-79	TRAFFIC ENGINEER <i>R. C. Bunt</i> DATE 4-8-79	PROPOSED WATER DESIGN	
APPROVED FOR CONSTRUCTION <i>RSMA</i> CITY ENGINEER		ALBUQUERQUE, NEW MEXICO.	
7/11/79		SHEET 3 OF 17	
DATE		DEC. 1978	
CITY ENGINEER		SCALE: 1"=100'	



LEGEND

- PROPOSED SANITARY SEWER W/FLOW DIRECTION
- PROPOSED SANITARY MANHOLE
- CONCRETE ENCASEMENT
- D.I. PIPE

SEWER DESIGN DATA

Maximum total flow from the Vista Four Subdivision will be through Line S-8 to the West. Therefore,
 $77 \text{ Lots} \times 3.6 \text{ Persons} \times 400 \text{ gpd} = 110,880 \text{ gpd}$
Lot Person or 0.11 MGD

At a minimum velocity of 2.45 FPS in an 8" VC Pipe, the minimum slope is 0.52; therefore, the capacity of the sewer line is $Q=0.552 \text{ MGD} > 0.11 \text{ MGD}$ @ $n=0.013$; slope 0.52

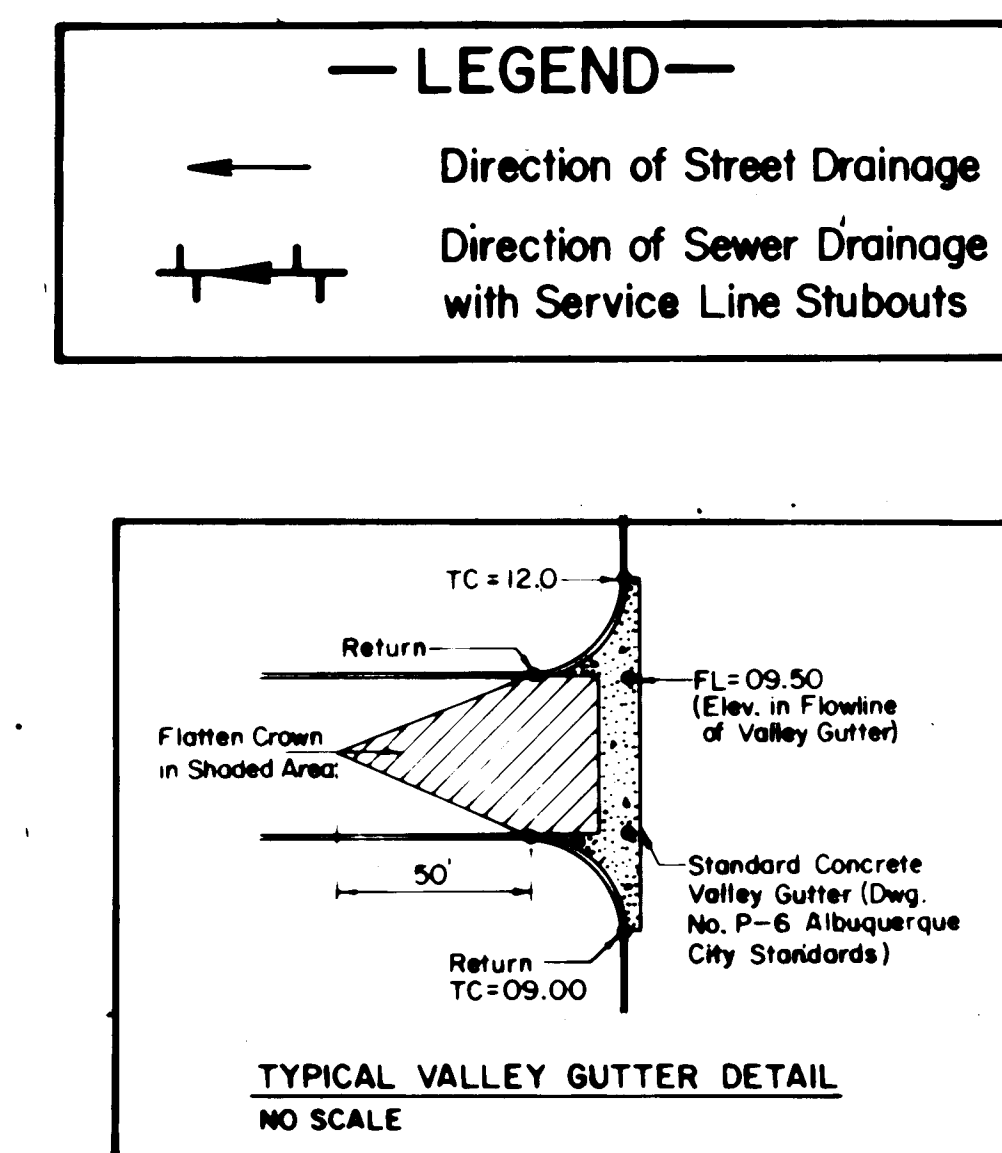
NOTE:

Water and sewer lines shall be separated by a minimum of 10' horizontally.

26 1904 6484

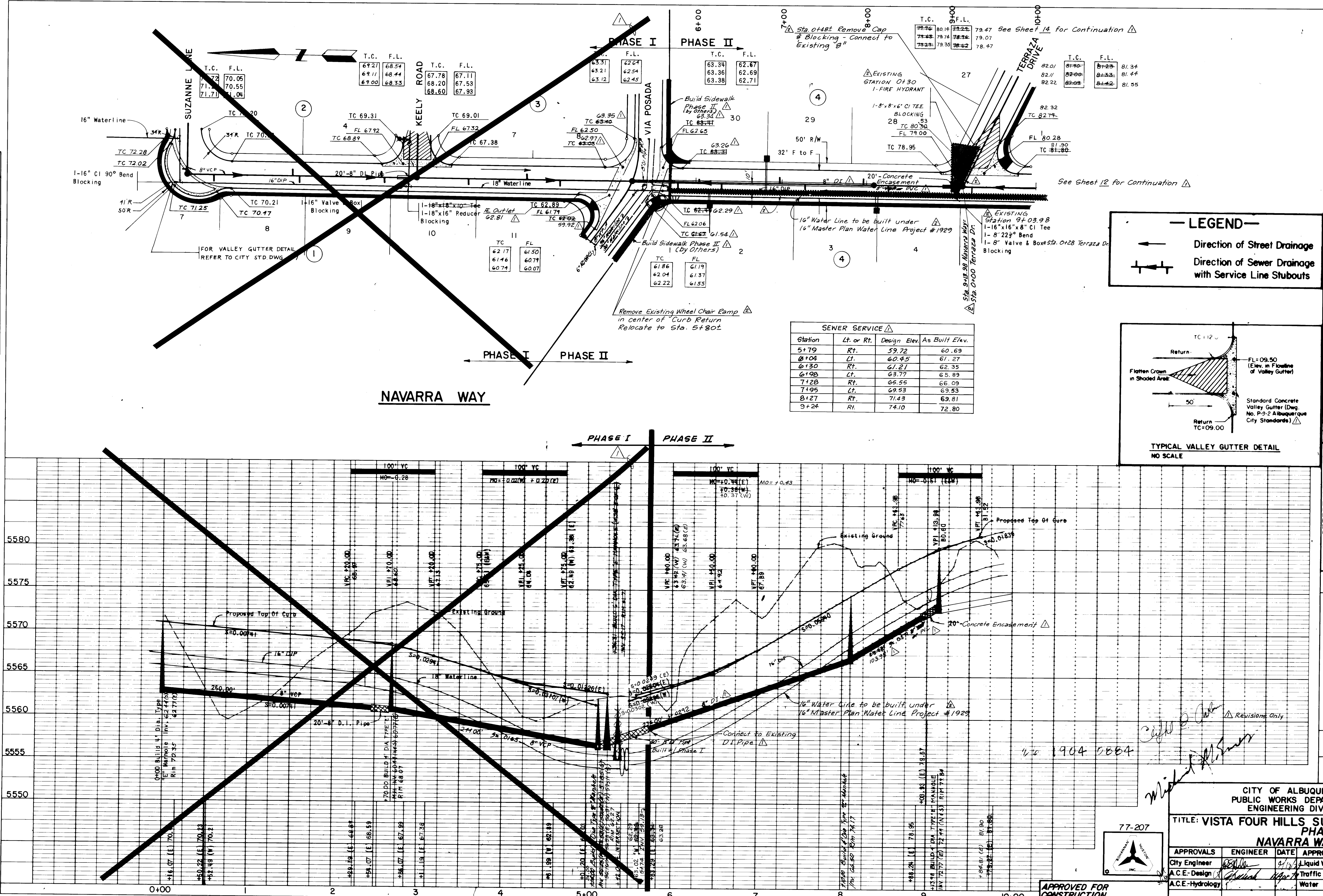
APPROVALS		VISTA FOUR HILLS SUBDIVISION PHASE I & PHASE II	
CITY ENGINEER <i>RSK</i>	ASSOC. CITY ENGINEER-DESIGN <i>J. J. W. W.</i>	1904 PROPOSED SEWER DESIGN. ALBUQUERQUE, NEW MEXICO	
DATE 11/2/79	DATE 11/2/79	77-207 4 17	
LIQUID WASTE ENGINEER <i>Mark H. H.</i>	WATER ENGINEER <i>Mark H. H.</i>	DATE 4-3-79	
DATE 5 April 79	DATE 5 April 79	APPROVED FOR CONSTRUCTION DATE 7/16/79	
ASSOCIATE ENGINEER-HYDROLOGY <i>RC Bayant</i>	TRAFFIC ENGINEER <i>RC Bayant</i>	CHECKED BY DATE	
DATE 4-3-79	DATE 4-3-79	CITY ENGINEER DATE	

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO.	B.M.'S NOTED _____		
	STRUCTURE NOTATING CHWD _____		

[illegible]

PLAN	
SURVEYED	DATE
ALIGNED	BY
CHECKED	
RT. OF WAY CHECKED	
NO.	

PROFILE	
SURVEYED	DATE
GRADES CHECKED	BY
STRUCTURE NOTATIONS CHECKED	
NO.	



AS-BUILT INFORMATION	
CONTRACTOR	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
A square, 12" x 12", chiseled on top of the concrete curb at the NW curb return. Located at the intersection of Navarra Way Dr. SE and 1st St. SE, Elev. 5620.75.	

SURVEY INFORMATION	
MAP NO. 14-22	W.O. NO.
EST. NO.	
NO.	
DATE	
BY	
REMARKS	
DESIGN	
DESIGNED BY RLL	DATE DEC. 1978
DRAWN BY DJH	DATE DEC. 1978
CHECKED BY RRB	DATE DEC. 1978

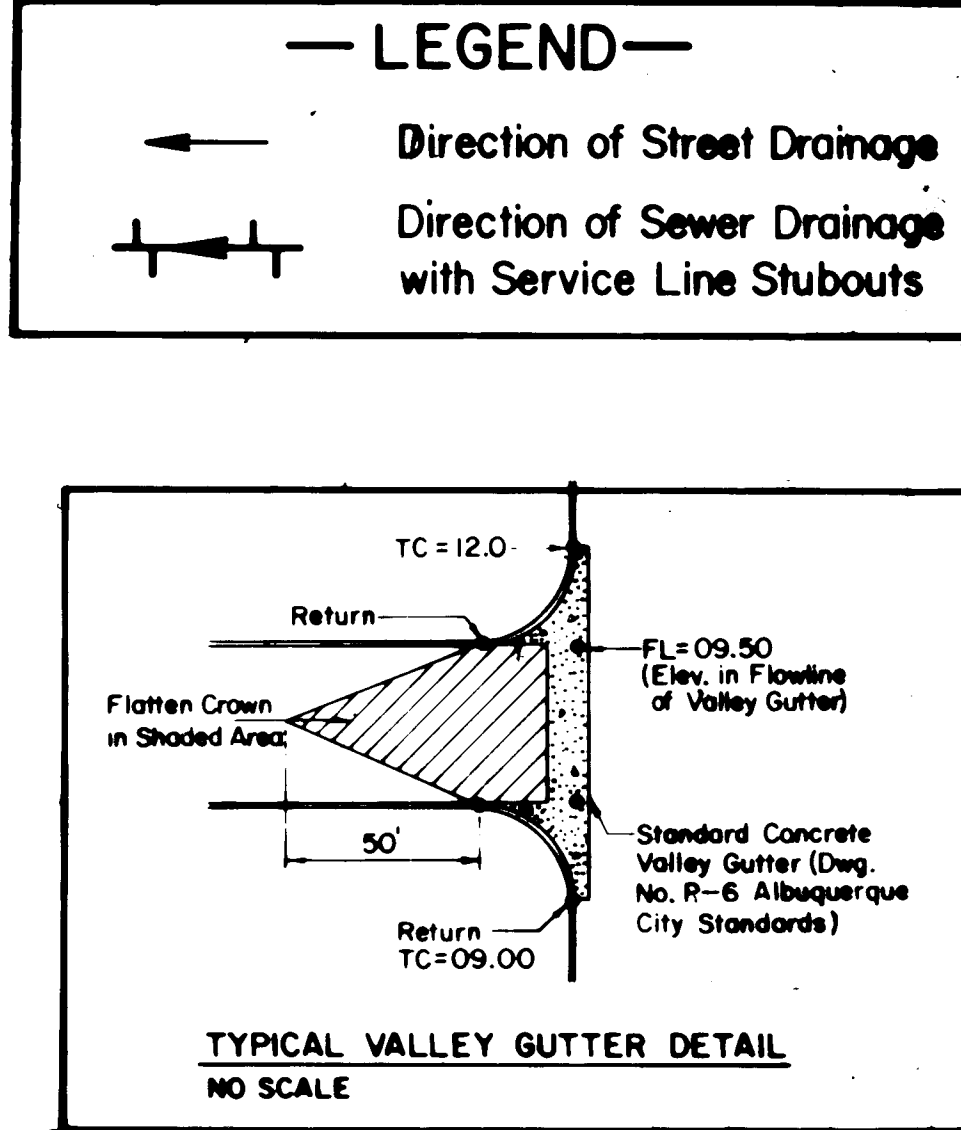
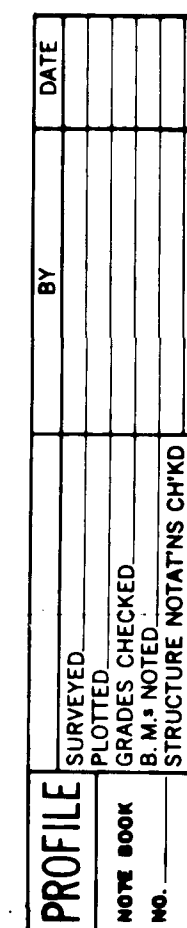
REVOLUTIONS	
NO.	DATE
1	9/83
2	8/83

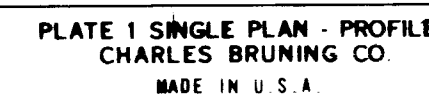
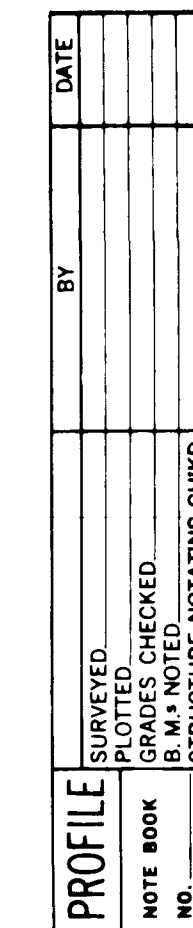
APPROVALS	
CITY ENGINEER	DATE
A.C.E. Design	DATE
A.C.E. Hydrology	DATE

APPROVALS	
ENGINEER	DATE
APPROVALS	DATE
ENGINEER	DATE

TITLE: VISTA FOUR HILLS SUBDIVISION	
PHASE II	
NAVARRA WAY	
APPROVALS	ENGINEER
ENGINEER	DATE
APPROVALS	ENGINEER
ENGINEER	DATE

DRAWING	
NO.	DATE
1904	7/12/79
SHEET 8	OF 17

[illegible]



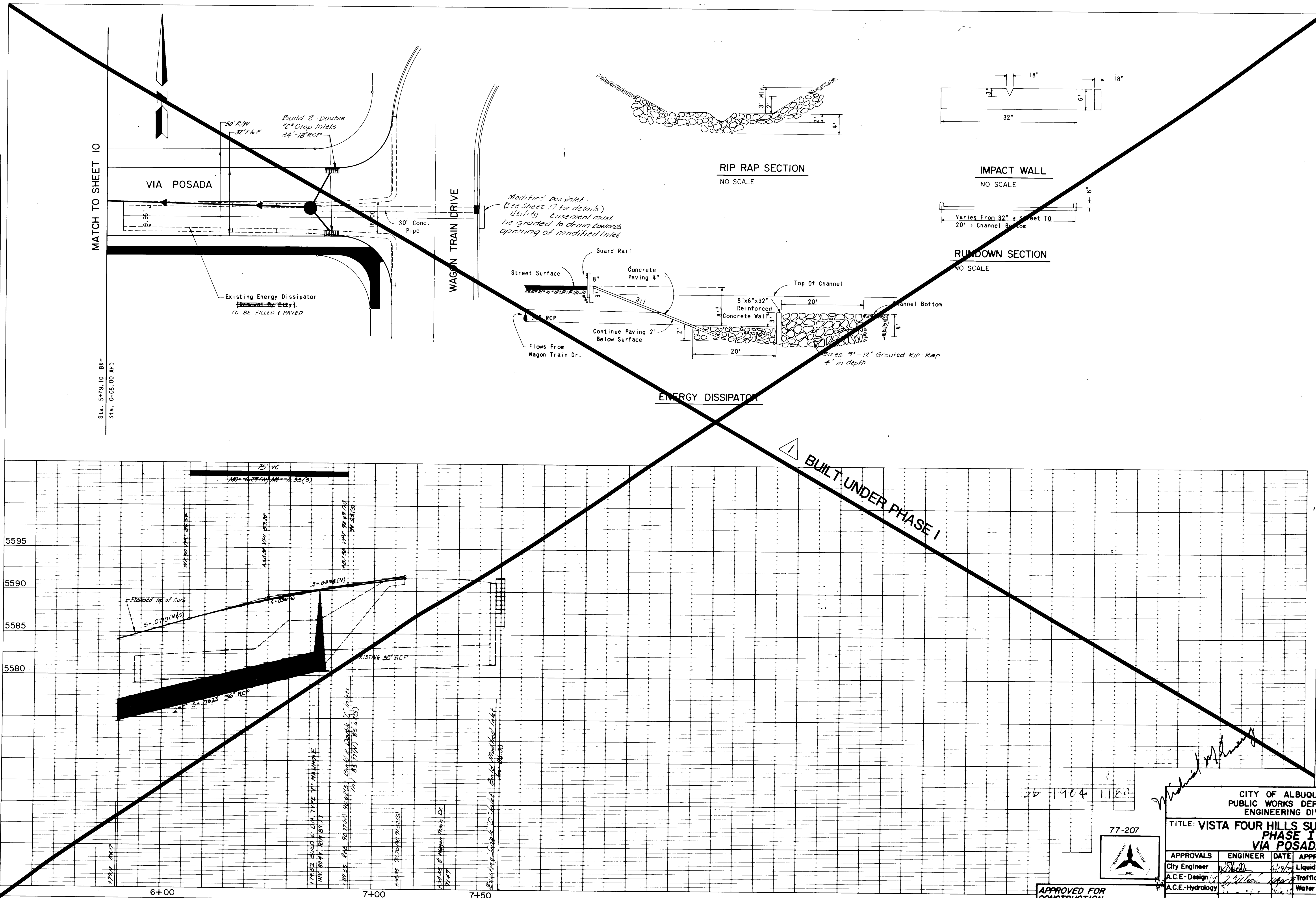
1. Sanitary Sewer in curve has maximum length of 39".
2. All construction shall be to New Mexico Standard Specifications for Public Works 1975 Edition.

Direction of Street Drainage
Direction of Sewer Drainage
with Service Line Stubouts

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: VISTA FOUR HILLS SUBDIVISION PHASE I VIA POSADA					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	<i>4/22</i>	Liquid Waste	<i>[Signature]</i>	<i>4-27-79</i>
A.C.E.-Design	<i>[Signature]</i>	<i>4/22</i>	Traffic	<i>[Signature]</i>	<i>4-27-79</i>
A.C.E.-Hydrology	<i>[Signature]</i>	<i>4/22</i>	Water	<i>[Signature]</i>	<i>4-27-79</i>
DRAWING NO. 1904			SHEET 10 OF 17		

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	ALIGNED		
	CHECKED		
	BY		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	ALIGNED		
	CHECKED		
	BY		

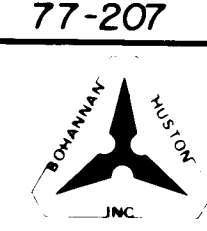


SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
MAP NO. 11-22	EST. NO.	NO.	BY	CONTRACTOR	DATE
FIELD NOTES		A square, placed on top of the concrete curb at the NW corner, located at the intersection of Wagon Train Dr. SE and 7th St. SE, Elev. 5620.25		ACCEPTED BY	DATE
NO. DATE		REMARKS		RECORDED BY	DATE
BY		DESIGN		MICRO-FILM INFORMATION	
DATE DEC. 1978		DRAWN BY JLM		NO.	
CHECKED BY RRB		DATE DEC. 1978		NO.	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: VISTA FOUR HILLS SUBDIVISION PHASE I VIA POSADA					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	W. Skellern	1/12/79	Liquid Waste	W. Skellern	1/12/79
A.C.E. Design	W. Skellern	1/12/79	Traffic	W. Skellern	1/12/79
A.C.E. Hydrology	W. Skellern	1/12/79	Water	W. Skellern	1/12/79
APPROVED FOR CONSTRUCTION CITY ENGINEER			DATE		
DRAWING NO. 1904			SHEET 11 OF 17		

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

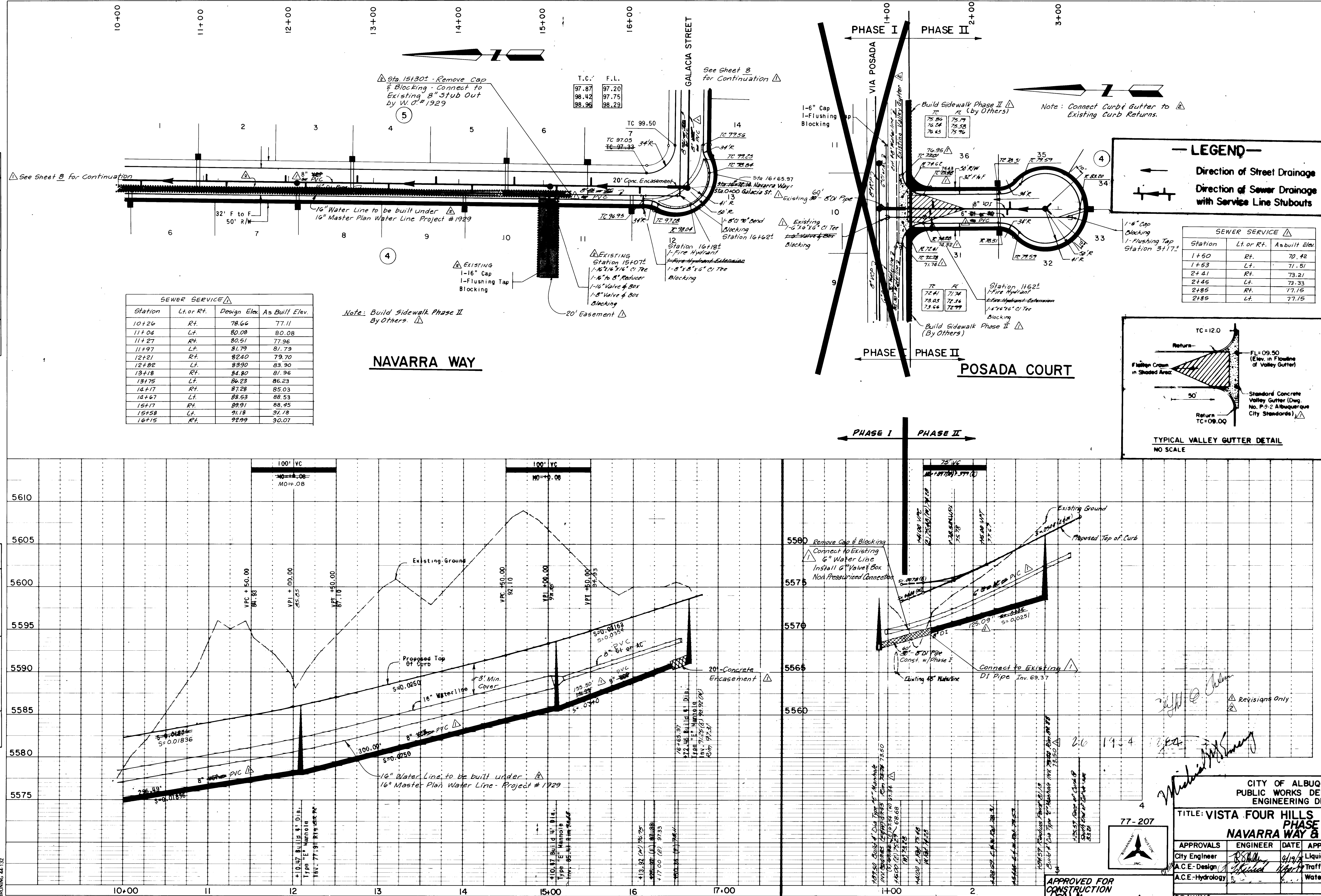
SCALE: 1"=20' HOR.
1"=5' VERT.



APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE 1/12/79

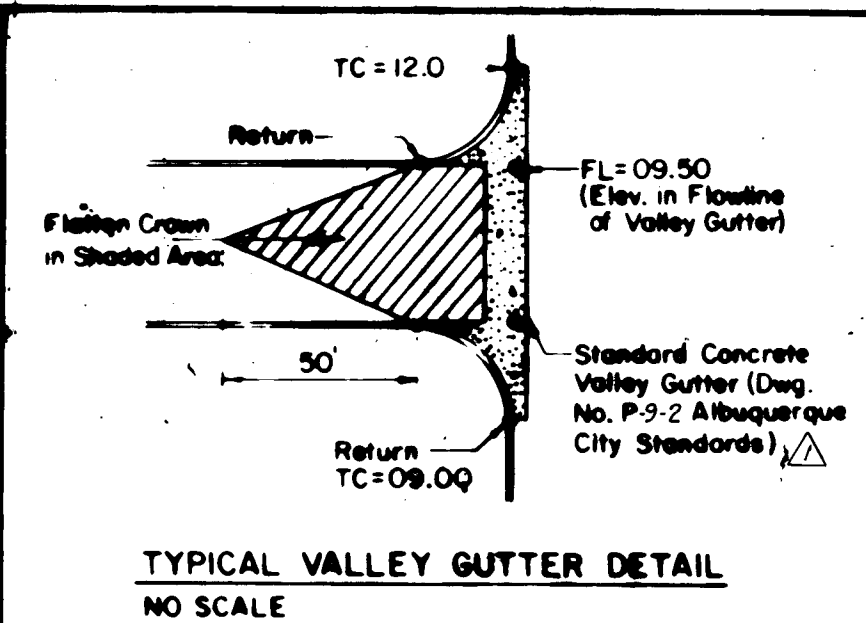
PLAN
DATE
BY
SURVEYED
ALIGNED
CHECKED
NOTE BOOK
NO.

PROFILE
DATE
BY
SURVEYED
GRADES CHECKED
NOTE BOOK
NO.



SEWER SERVICE			
Station	Lt. or Rt.	Design Elev.	As Built Elev.
10+26	Rt.	78.66	77.11
11+04	Lt.	80.08	80.08
11+27	Rt.	80.51	77.96
11+97	Lt.	81.79	81.79
12+21	Rt.	82.40	79.70
12+82	Lt.	83.90	83.90
13+18	Rt.	84.80	81.96
13+75	Lt.	86.23	86.23
14+17	Rt.	87.28	85.03
14+67	Lt.	88.53	88.53
15+17	Rt.	89.91	88.45
15+58	Lt.	91.18	91.18
16+15	Rt.	92.99	90.07

SEWER SERVICE		
Station	Lt. or Rt.	Asbuilt Elev.
1+50	Rt.	70.48
1+53	Lt.	71.51
2+41	Rt.	73.21
2+45	Lt.	73.33
2+85	Rt.	77.15
2+85	Lt.	77.15



BENCH MARKS			
CONTRACTOR	DATE	BY	DATE
AS-BUILT INFORMATION	DATE	BY	DATE
MICRO-FILM INFORMATION			
RECORDED BY	NO.	DATE	
DESIGNED BY	DATE	DEC 1978	
DRAWN BY	DATE	DEC 1978	
CHECKED BY	DATE	DEC 1978	

REFERENCES			
MAP NO.	EST. NO.	W.O. NO.	DATE
9185	Phase II - by Scanlon & Assoc.		
8183	Phase II - by Scanlon & Assoc.		

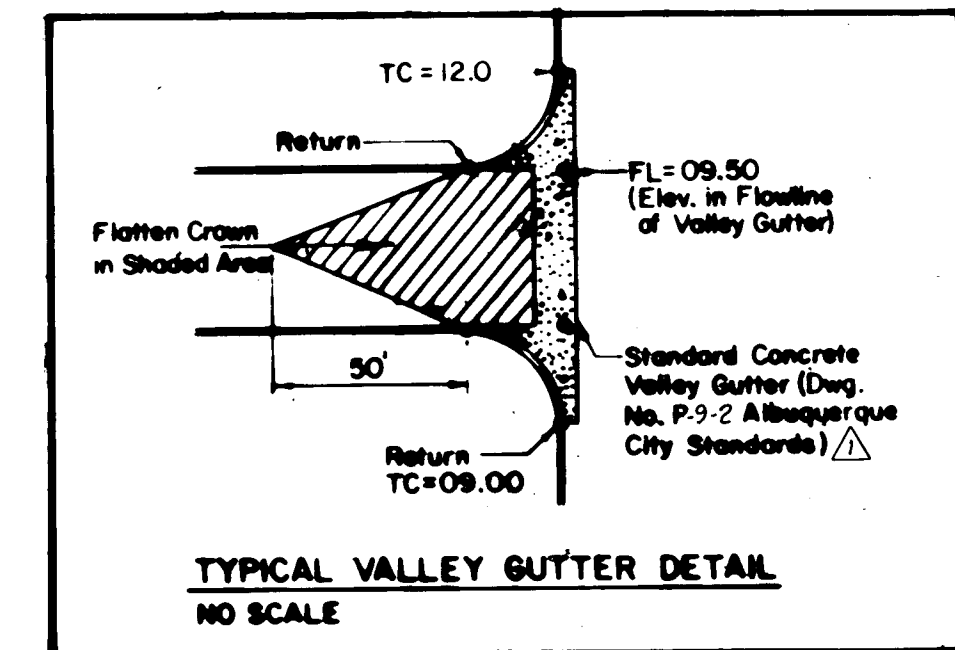
REVISIONS			
NO.	DATE	BY	REMARKS
1	9/18	Phase II - by Scanlon & Assoc.	
2	8/18	Phase II - by Scanlon & Assoc.	

DESIGN			
DESIGNED BY	DATE	DEC 1978	
DRAWN BY	DATE	DEC 1978	
CHECKED BY	DATE	DEC 1978	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION			
TITLE: VISTA FOUR HILLS SUBDIVISION PHASE II NAVARRA WAY & POSADA COURT			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	DATE	4/19/79	Liquid Waste
A.C.E.-Design	DATE	4/19/79	Water
A.C.E.-Hydrology	DATE	4/19/79	Water

DRAWING NO.	1904
SHEET	12 OF 17

PROFILE	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	GRADES CHECKED _____			
	B. M.'s NOTED _____			
NOTE BOOK				
NO.				



SEWER SERVICE 		
Station	Lt. or Rt.	Asbuilt Elevation
0+19	Lt.	87.86
1+06	Rt.	91.43
1+12	Lt.	91.72
2+02	Lt.	96.20
2+07	Rt.	96.45
2+94	Lt.	00.80
3+06	Rt.	01.40
3+86	Lt.	05.40
4+08	Rt.	06.50
4+75	Lt.	08.90

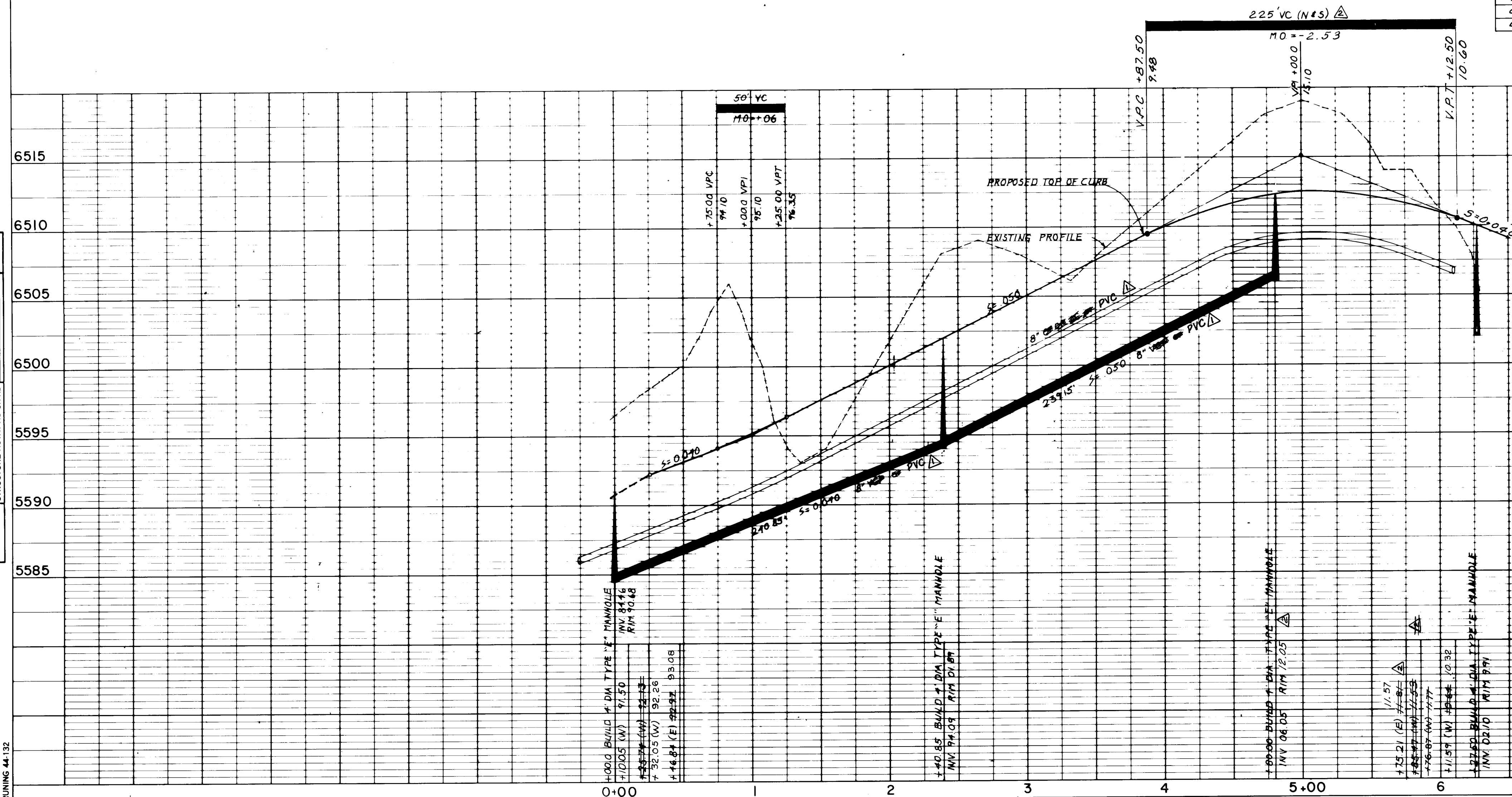


PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.
MADE IN U.S.A.

SCALE: 1" = 50' HOR.
1" = 5' VERT.

APPROVED FOR
CONSTRUCTION
[Signature]
CITY ENGINEER

77-207

BOHANNAN HUSTON
JNC

City of Chicago
 Department of Public Health
 Division of Environmental Health
 Office of Environmental Health
 535 North Dearborn Street
 Chicago, IL 60610
 Tel: (773) 554-3200
 Fax: (773) 554-3201
 Email: eh@cityofchicago.org
 Website: www.cityofchicago.org

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: VISTA FOUR HILLS SUBDIVISION
PHASE II
KIVA DRIVE

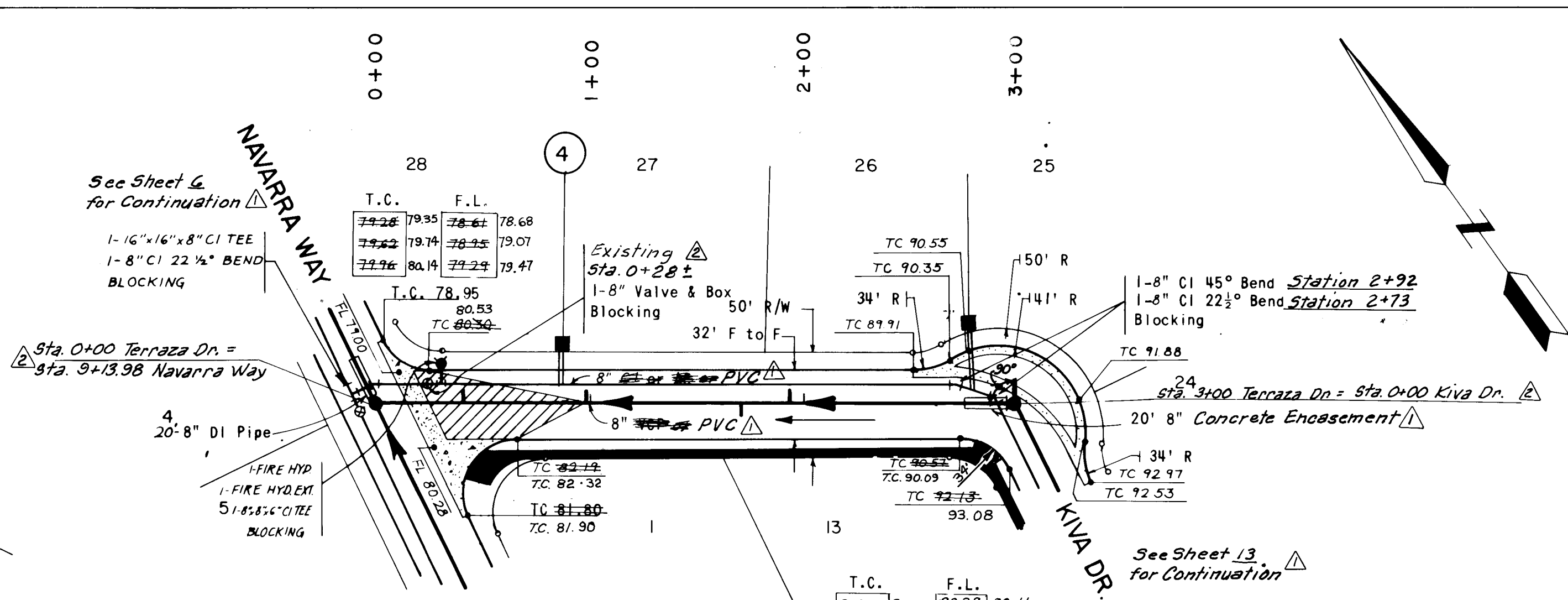
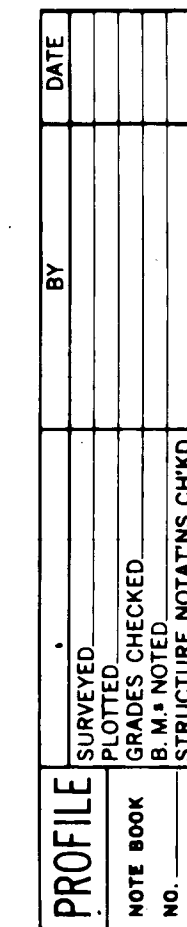
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
Cty Engineer	R. S. Allen	4/19/79	Liquid Waste	[Signature]	5-29-79
A.C.E.-Design	J. A. [Signature]	4/19/79	Traffic	R. C. Bryant	4-3-79
A.C.E.-Hydrology	B. [Signature]	4/19/79	Water	[Signature]	5-29-79

DRAWING NO.	1904
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SHEET 13 OF 17

[illegible]

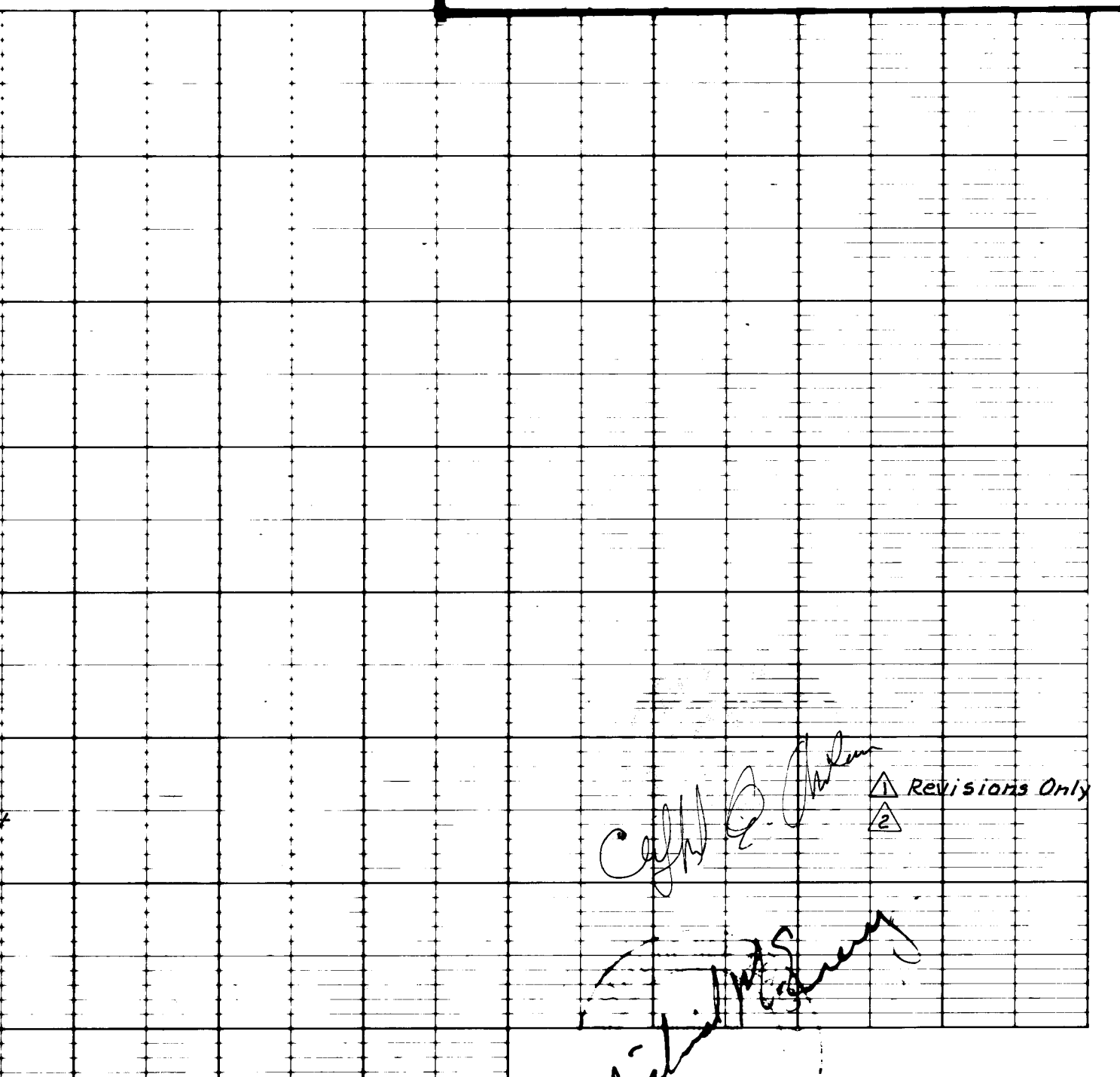
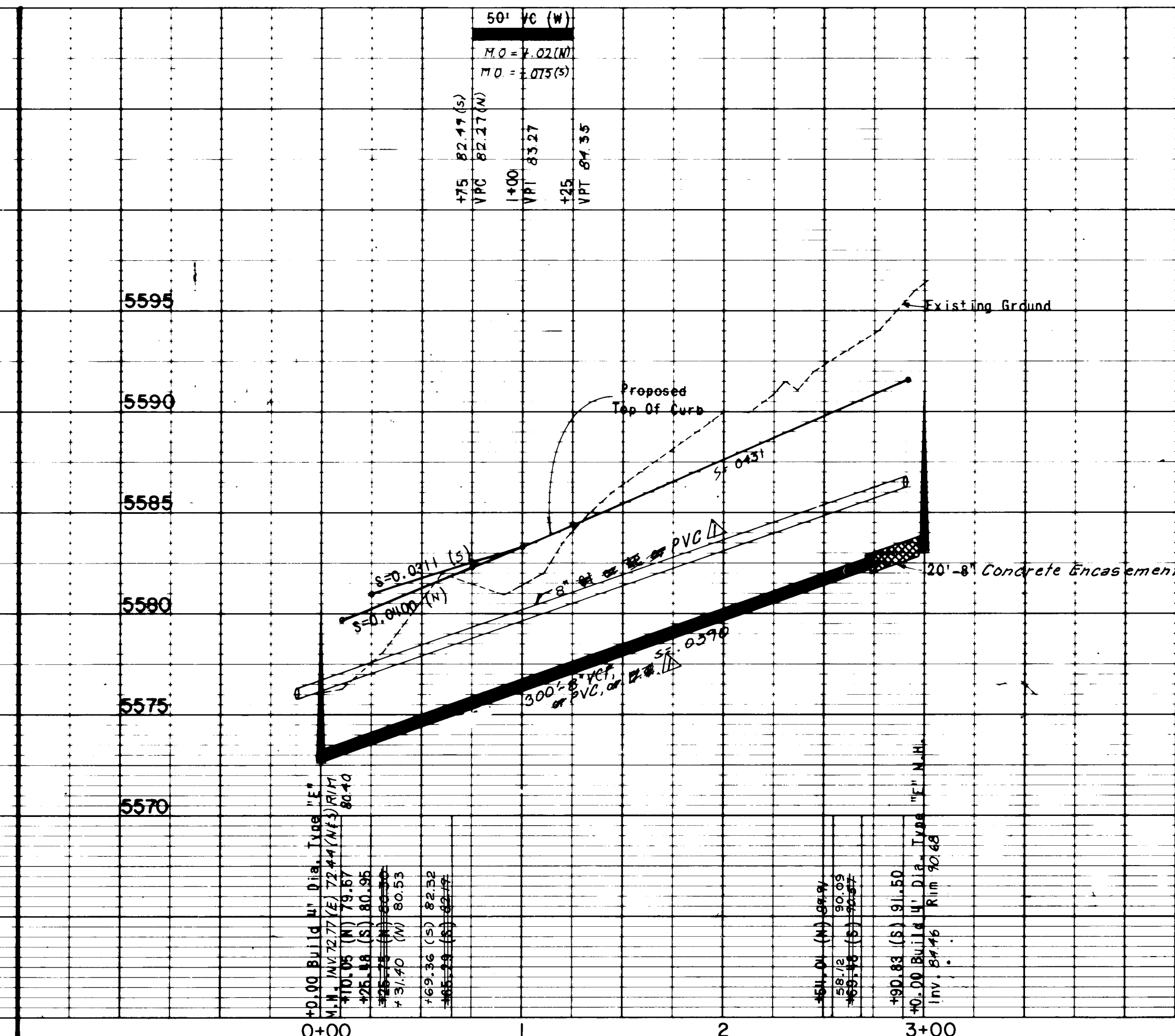
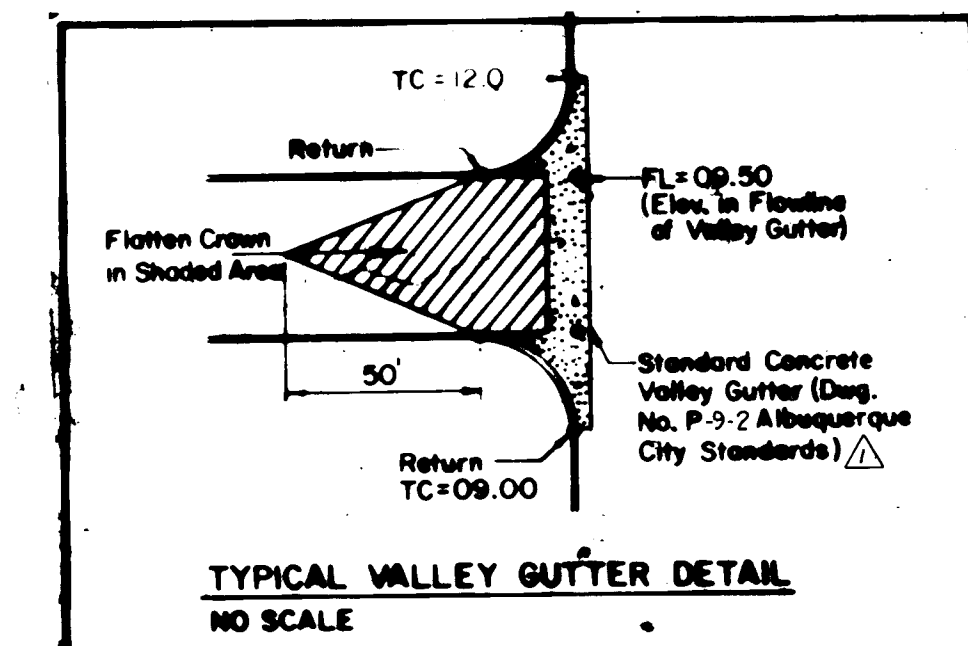
CHECKED BY: 204



SEWER SERVICE 		
Station	Lt. or Rt.	Asbuilt Elev.
0+40	Lt.	76.87
0+98	Lt.	79.21
1+72	Rt.	82.37
1+95	Lt.	83.36
3+00	Lt.	87.01

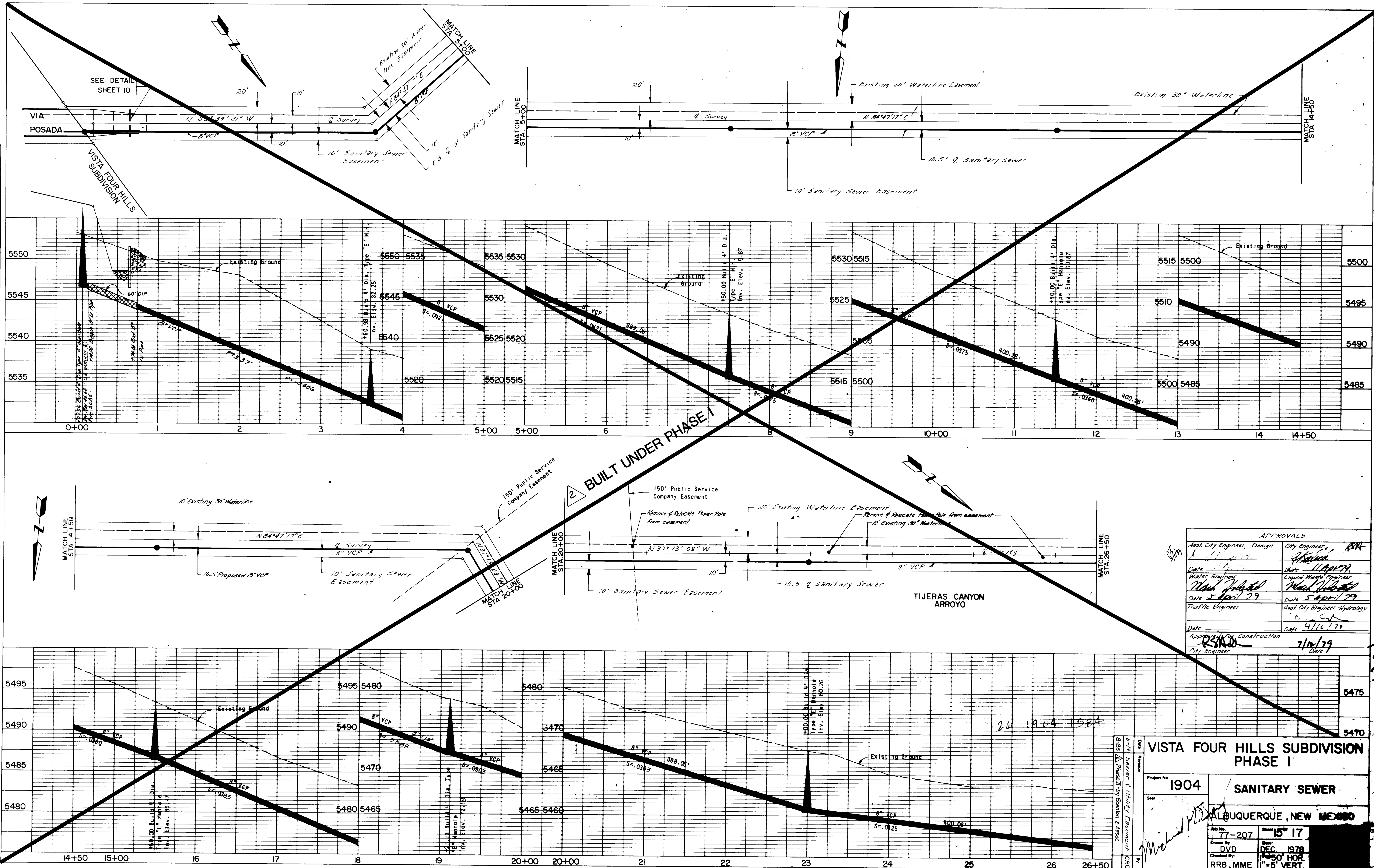
— LEGEND —

	Direction of Street Drainage
	Direction of Sewer Drainage with Service Line Stubouts

[illegible]

PLAN	DATE	BY	DATE
SURVEYED			
ALIGNED			
CHECKED			
NO			

PROFILE	DATE	BY	DATE
SURVEYED			
GRADES CHECKED			
NO			



APPROVALS	
Asst. City Engineer - Design	City Engineer
Date 1/1/79	Date 1/1/79
Water Engineer	Liquid Waste Engineer
Date 5 April 79	Date 5 April 79
Traffic Engineer	Asst. City Engineer - Hydrology
Date 4/16/79	Date 4/16/79
Approved for Construction	City Engineer
Date 7/12/79	Date 7/12/79

VISTA FOUR HILLS SUBDIVISION PHASE I

1904 SANITARY SEWER

ALBUQUERQUE, NEW MEXICO

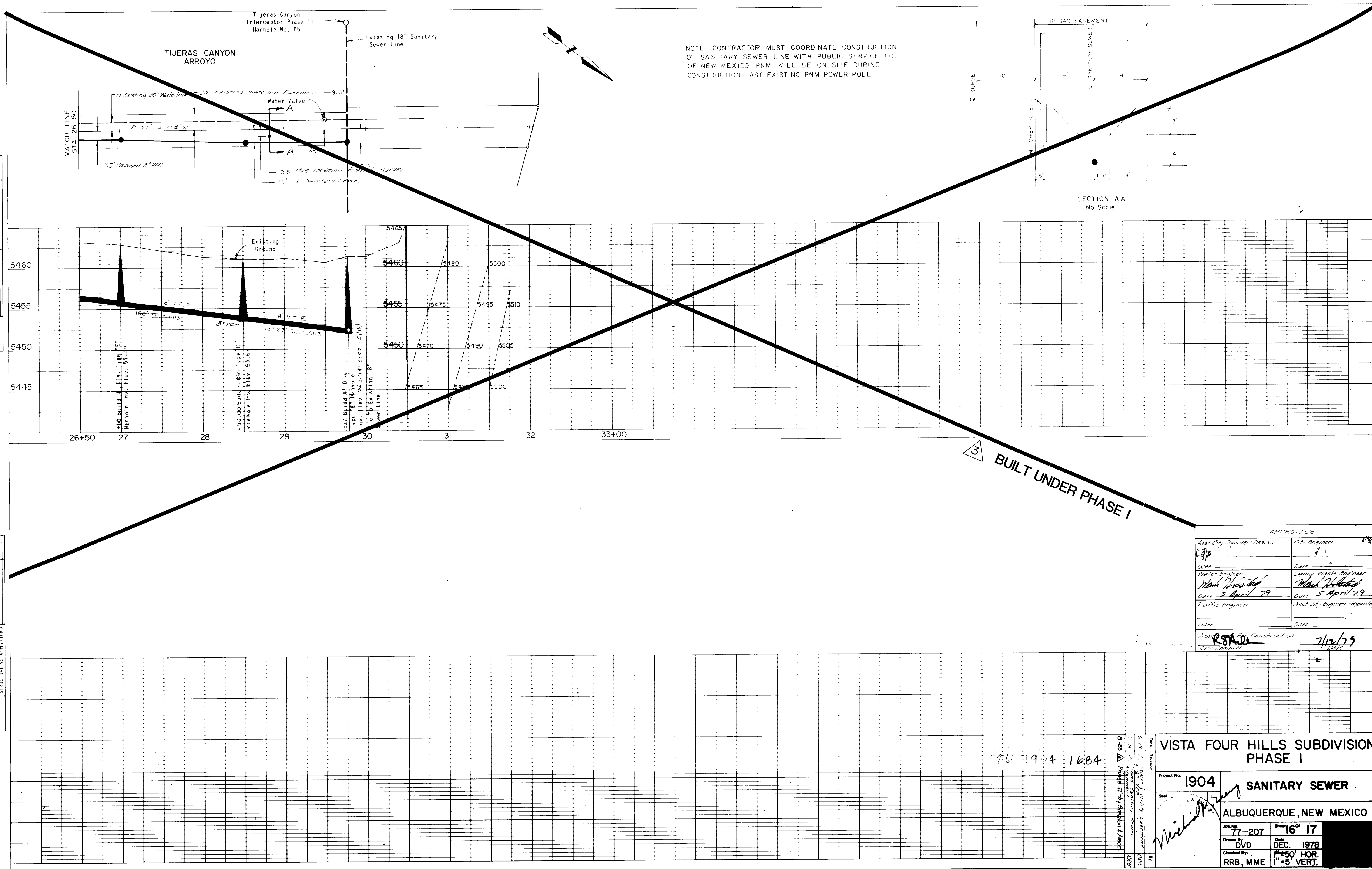
Job No. 77-207 Date DEC 1978

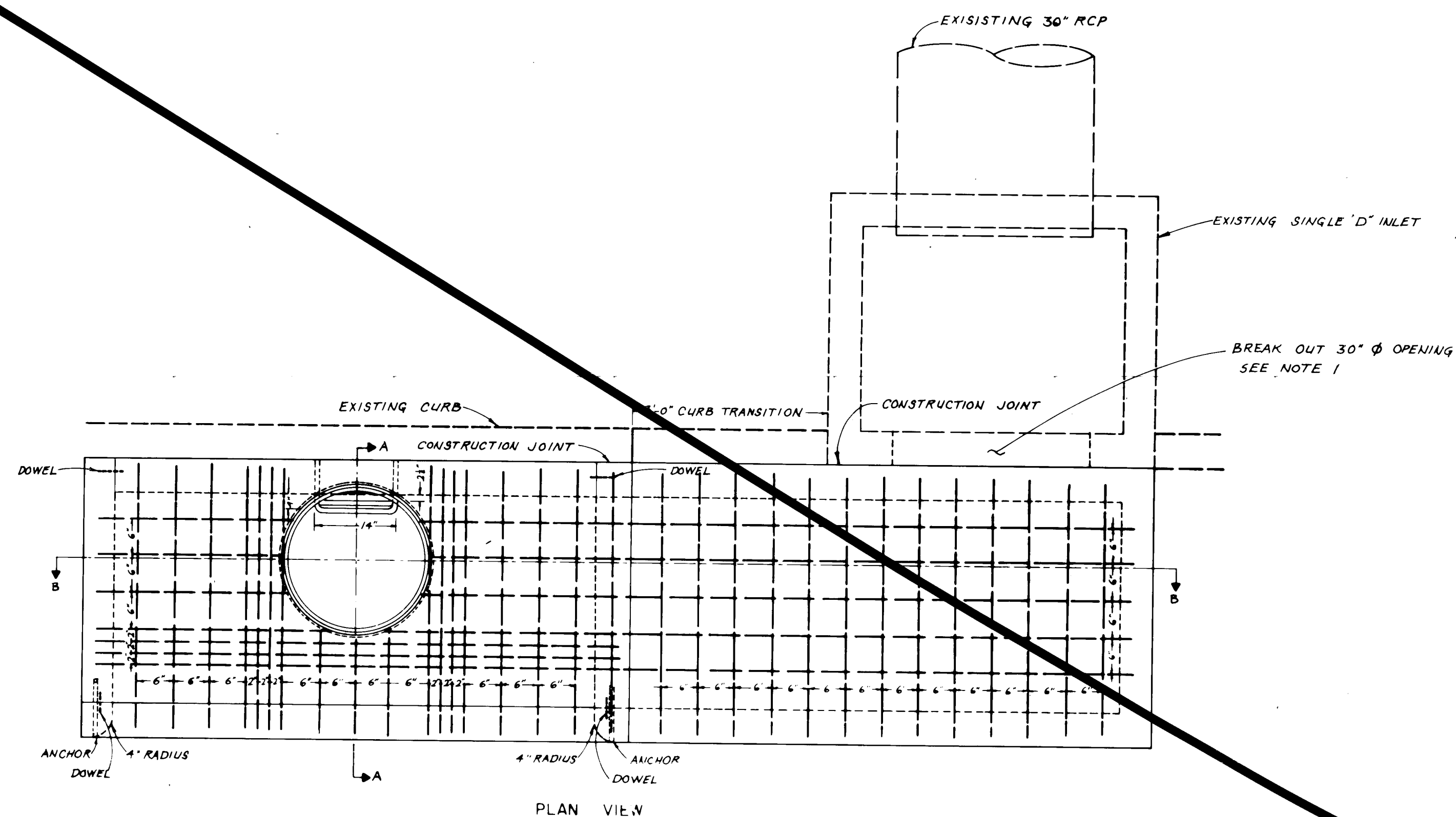
Drawn By: DVD

Checked By: RRB, MME

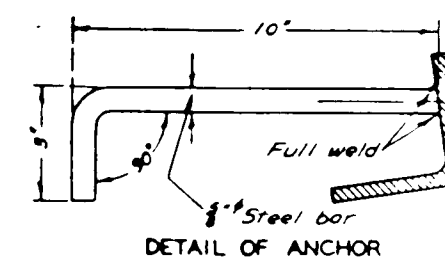
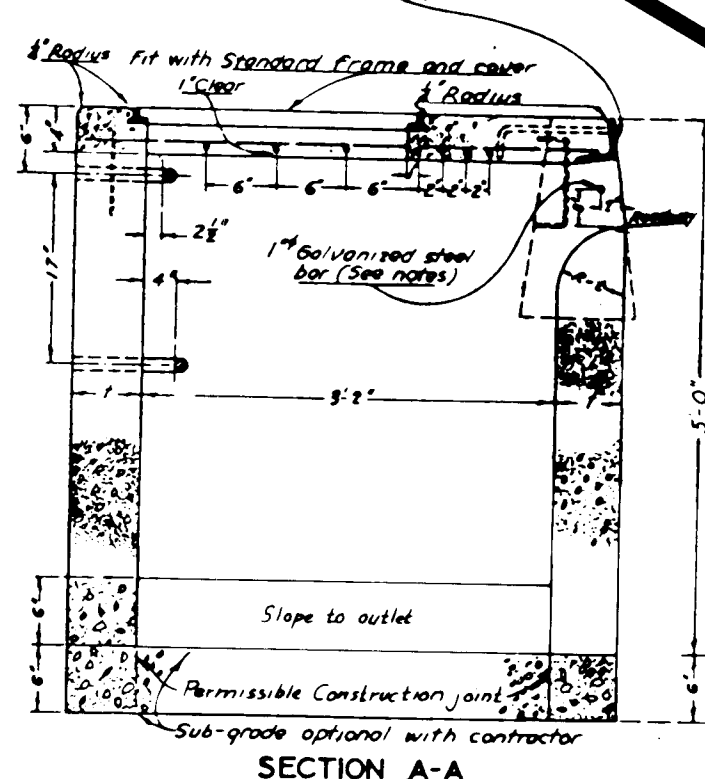
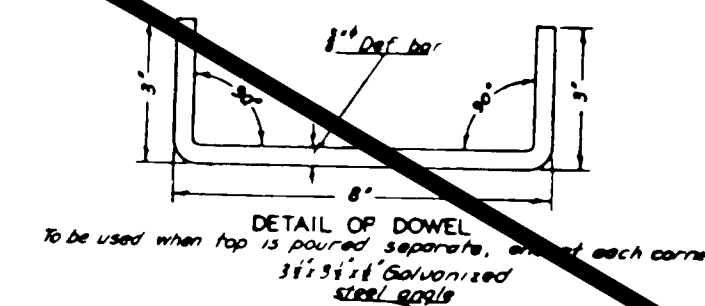
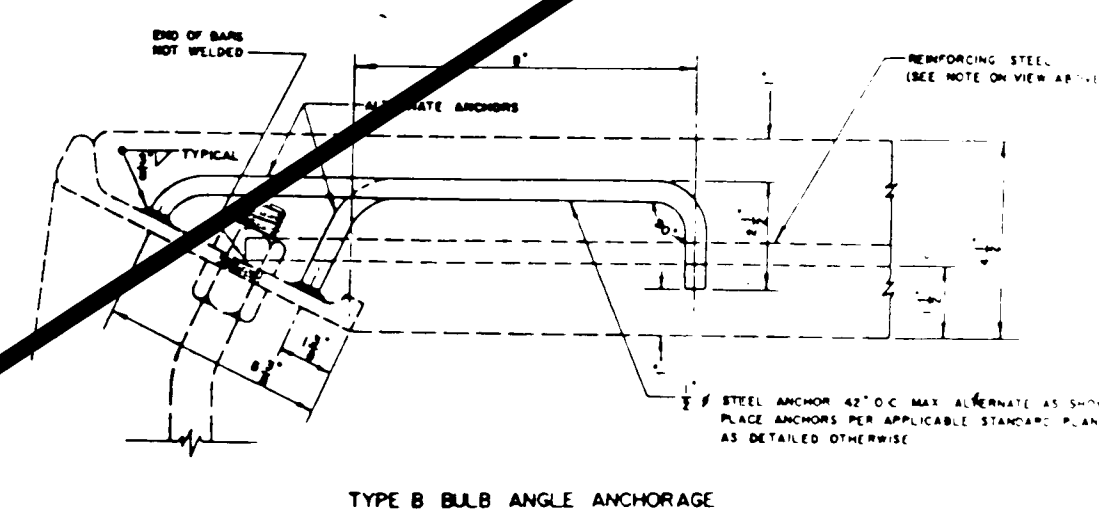
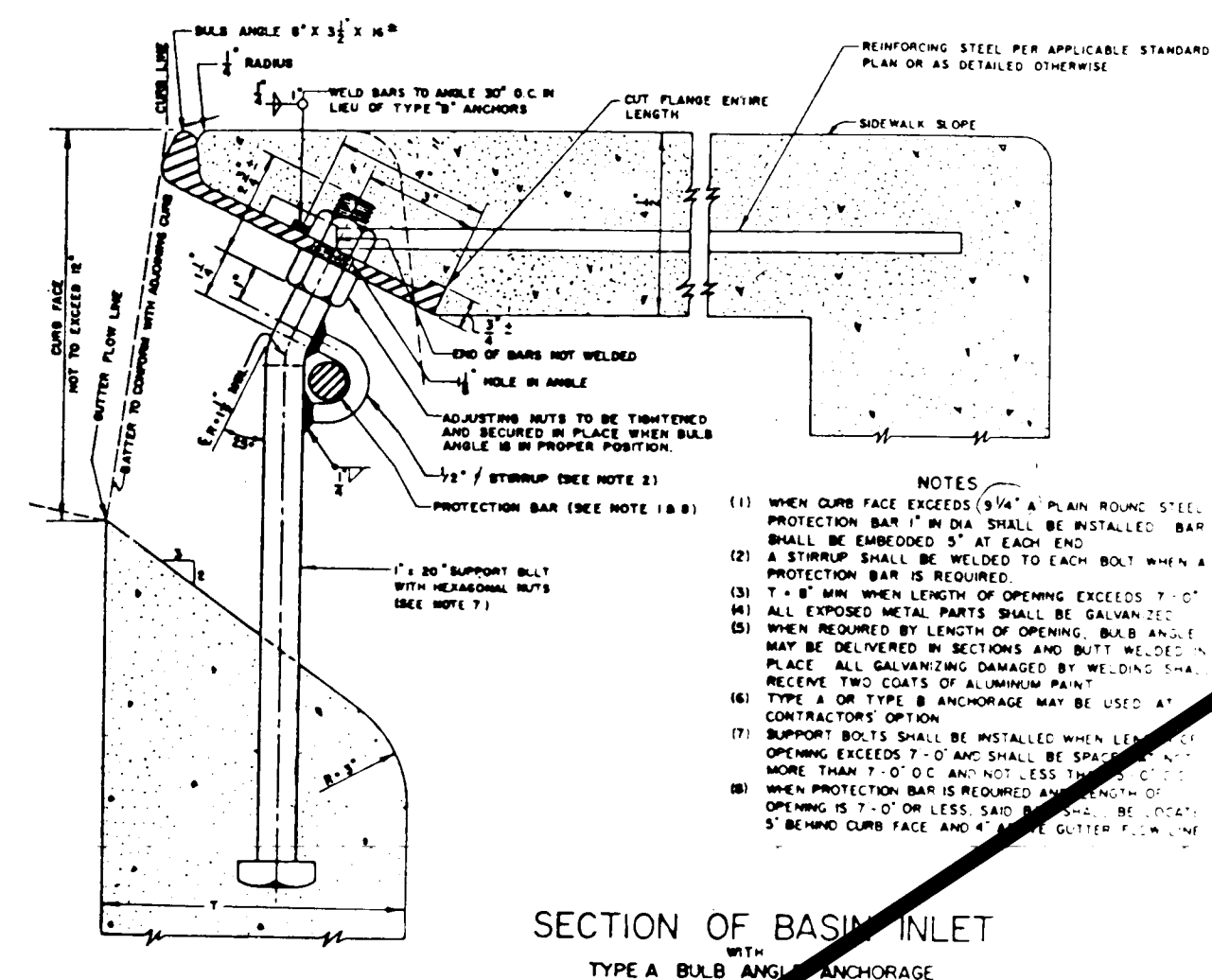
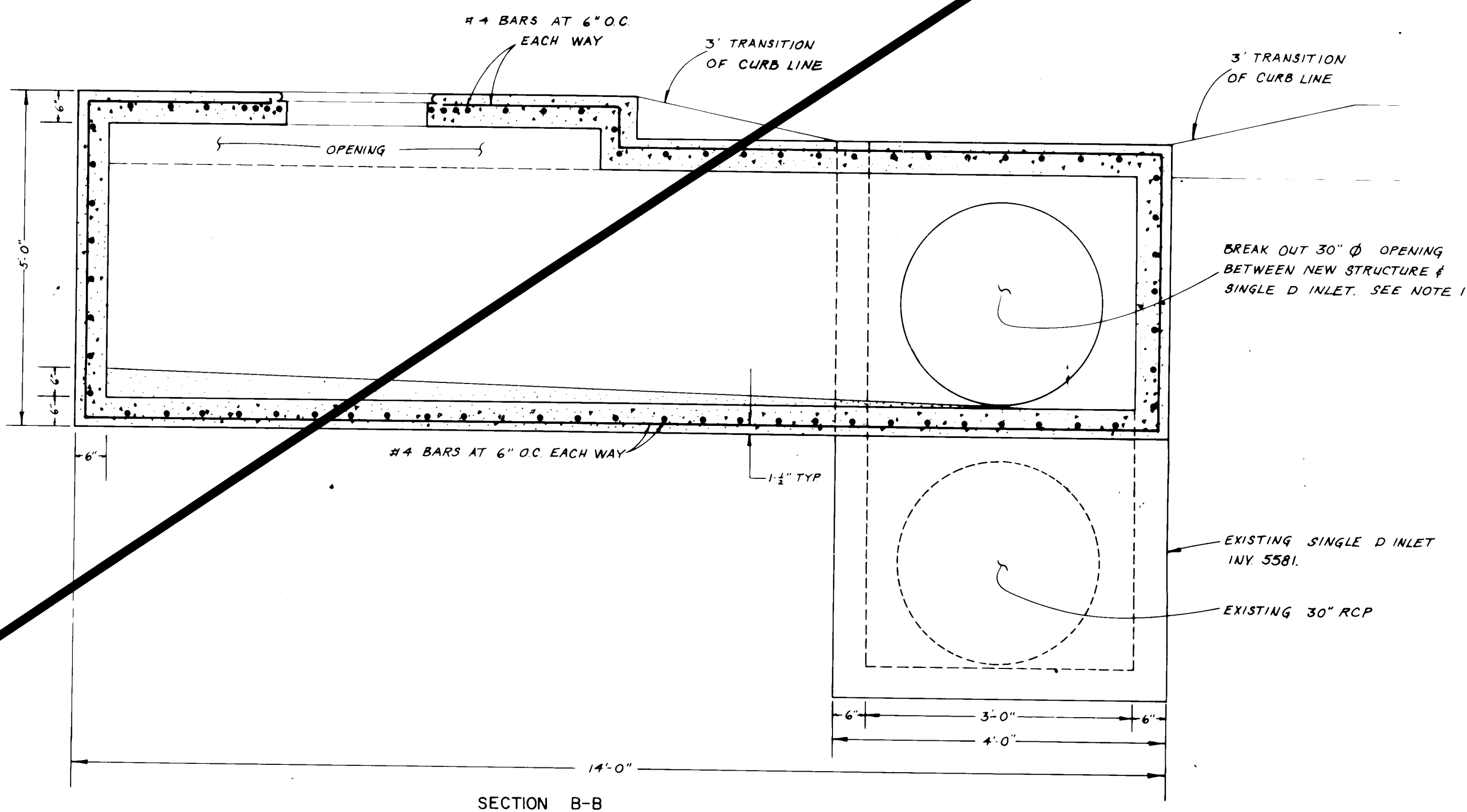
Scale: 1"=5' HOR. 1"=5' VERT.

PROFILE	SURVIVED _____		BY _____	DATE _____
	PLOTTED _____			
NOTE BOOK	GRADES CHECKED _____		BY _____	DATE _____
	B. M. NOTED _____			
NO. _____	SPEC. TUBE NOTATING CHECKED _____			



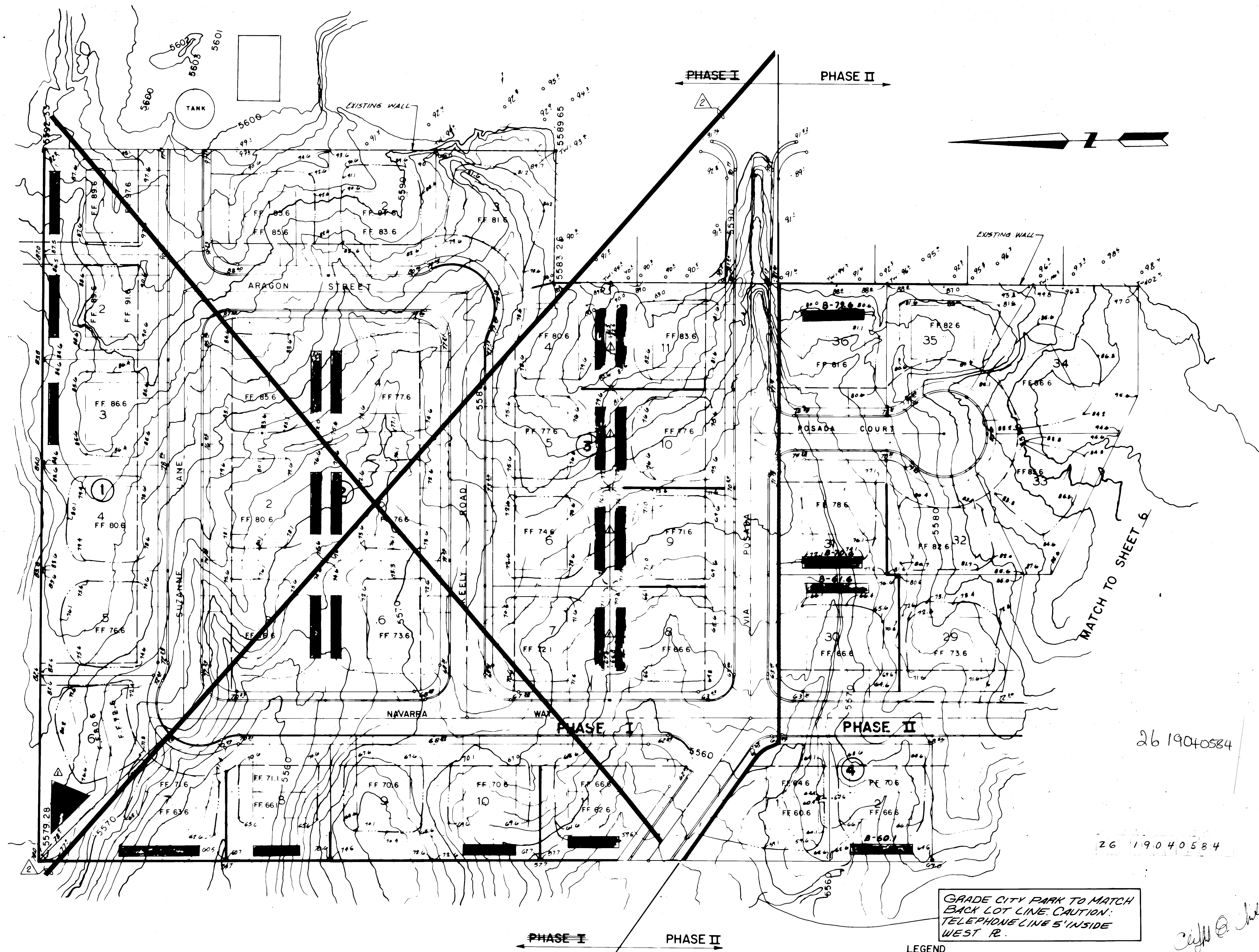


NOTES
1. GROUT AND SEAL WITH WATERTIGHT SEALANT CONNECTION BETWEEN EXISTING SINGLE "D" AND PROPOSED STRUCTURE.



APPROVALS	
ASST CITY ENGINEER-DESIGN DATE 4/19/79 WATER ENGINEER DATE TRAFFIC ENGINEER DATE APPROVED FOR CONSTRUCTION DATE 7/12/79	CITY ENGINEER DATE 4/19/79 LIQUID WASTE ENGINEER DATE ASST CITY ENGINEER-HYDROLOGY DATE CITY ENGINEER

VISTA FOUR HILLS	
Project No. 1904	DRAINAGE DETAILS
ALBUQUERQUE, NEW MEXICO	
Job No. 77-207	Sheet 17 of 17
Drawn By JJF	Date APRIL 79
Checked By RRB	Scale NONE



26 19040584

26 19040584

GRADE CITY PARK TO MATCH BACK LOT LINE. CAUTION: TELEPHONE LINE 5' INSIDE WEST 12.

NOTE
GARDEN WALLS WILL BE PROVIDED WHERE RETAINING WALLS ARE NOT INDICATED.
RETAINING WALL ON NORTH AND WEST BOUNDARY AS REQUIRED.

- LEGEND
- △ 88.6 RECOMMENDED LOCATION OF PONDING AREA.
 - 20' SET BACK LINE
 - REQUIRED SOLID MASONRY WALL
 - 12 LOT NUMBER
 - FF 99.1 FINISH FLOOR ELEVATION
 - EXISTING WALL

Revisions Only

APPROVALS	
ASST CITY ENGINEER-DESIGN	CITY ENGINEER
DATE 1/17/79	DATE 4/19/79
WATER ENGINEER	LIQUID WASTE ENGINEER
DATE	DATE
TRAFFIC ENGINEER	ASST CITY ENGINEER-HYDROLOGY
DATE 4-17-79	DATE 4/10/79
APPROVED FOR CONSTRUCTION	CITY ENGINEER

**VISTA FOUR HILLS SUBDIVISION
PHASE II**

1904 CONCEPTUAL GRADING PLAN
NORTH SIDE

BUENOS AIRES, NEW MEXICO

77-207 5. 17
JLM DEC 1979
1" = 50'

12021

ADD 2 COURSES (MINIMUM)
OF CMU TO WALL

ESTIMATED EARTHWORK QUANTITIES

EXCAVATION: 44.146 CY
EMBANKMENT: 26.226 CY
SHRINK:
26.226 X 0.20 = 5.245 CY
WASTE: 12.675 CY

Contractor shall determine his own estimated quantities
prior to bidding as no adjustment will be made to lump
sum bid for deviation in estimated quantities stated
above.

REMOVE CEDAR FENCE
CONSTRUCT CMU BLOCK
WALL

BUILD CMU
BLOCK WALL

2619040684

APPROVALS	
ASST. CITY ENGINEER - DESIGN	CITY ENGINEER
DATE 12/1/78	DATE 4/10/79
WATER ENGINEER	LIQUID WASTE ENGINEER
DATE	DATE
TRAFFIC ENGINEER	ASST. CITY ENGINEER - CONSTRUCTION
DATE 1/12/79	DATE 7/1/79
FOR CONSTRUCTION	

Revisions Only

VISTA FOUR HILLS SUBDIVISION
PHASE II

CONCEPTUAL GRADING PLAN
SOUTH SIDE

1904

STATE OF NEW MEXICO

MICHAEL M.
ENGINEER

77-207

ALBUQUERQUE, NEW MEXICO

6 17

LEGEND

- RECOMMENDED LOCATION OF
PONDING AREA
- 20' SET BACK LINE
- REQUIRED SOLID MASONRY WALL
- LOT NUMBER
- FINISH FLOOR ELEVATION
- EXISTING WALL

NOTE:
GARDEN WALLS WILL BE PROVIDED
WHERE RETAINING WALLS ARE NOT
INDICATED.
RETAINING WALL ON NORTH AND WEST
BOUNDARY AS REQUIRED.

Revisions Only

GRADE CITY PARK TO MATCH
BACK LOT LINE. CAUTION:
TELEPHONE LINE 5' INSIDE
WEST R.

GRADE CITY PARK TO MATCH
BACK LOT LINE. CAUTION:
TELEPHONE LINE 5' INSIDE
WEST R.

12021