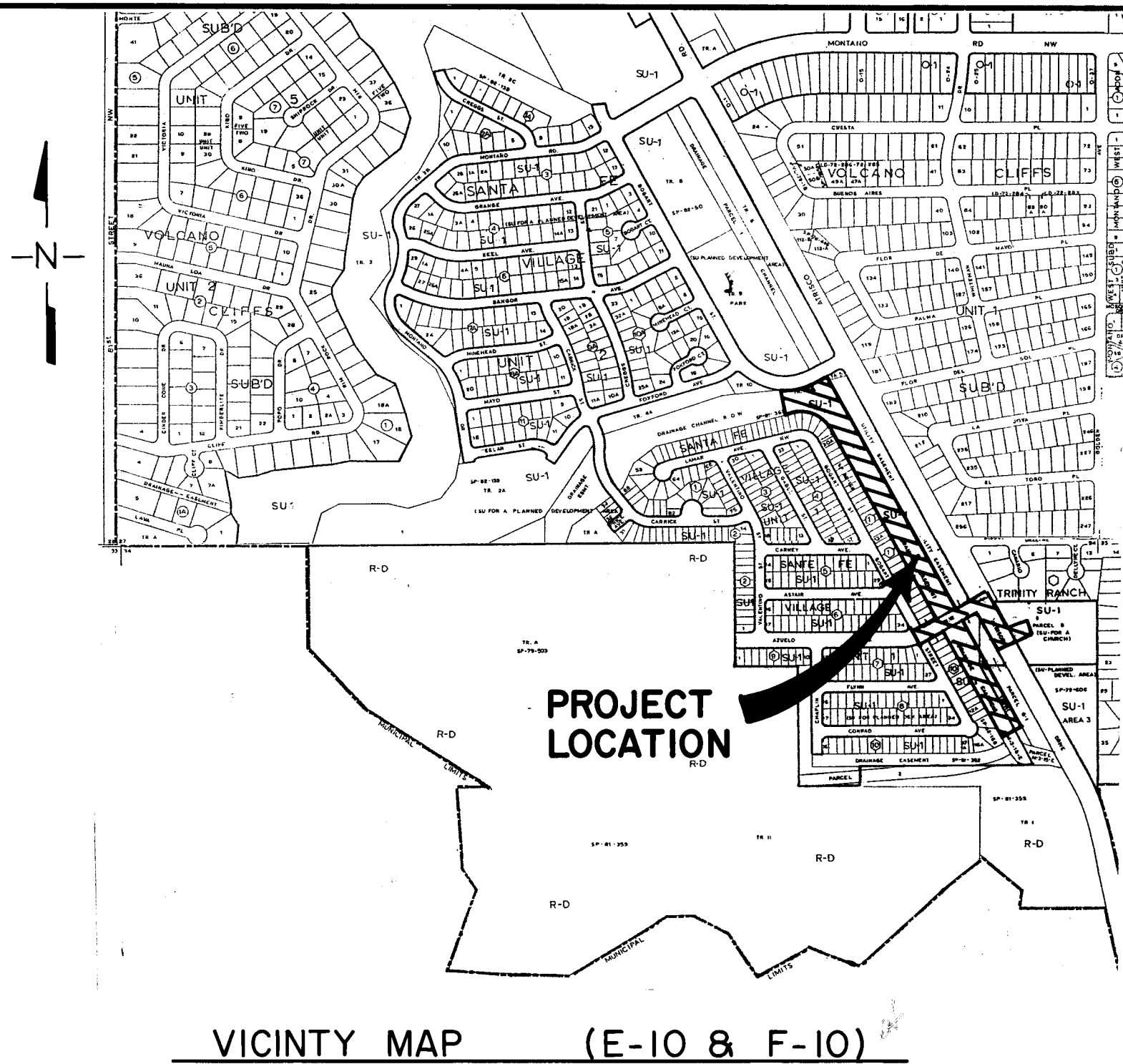


SANTA FE VILLAGE UNIT-1
PHASE - I

CITY OF ALBUQUERQUE
NEW MEXICO



INDEX

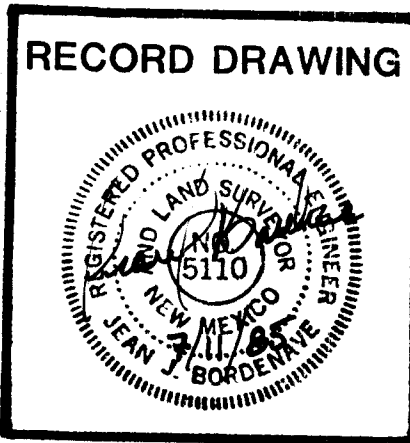
DESCRIPTION	SHEET
COVER SHEET	1
PLAT	2-3
SHEET INDEX	4
GRADING PLAN	5-7
EROSION CONTROL PLAN	8
TYPICAL SECTIONS	9
PAVING LAYOUT	10
PAVING P & P	11
WATER LAYOUT	12
SANITARY SEWER LAYOUT	13
WATER AND SEWER P&P	14-15
STORM SEWER LAYOUT	16
STORM SEWER P&P	17
WINGWALL DETAILS	18
CONCRETE BOX CULVERT BARRELS	19-20
COORDINATE LAYOUT SHEET	21
COORDINATES	22

GENERAL NOTES:

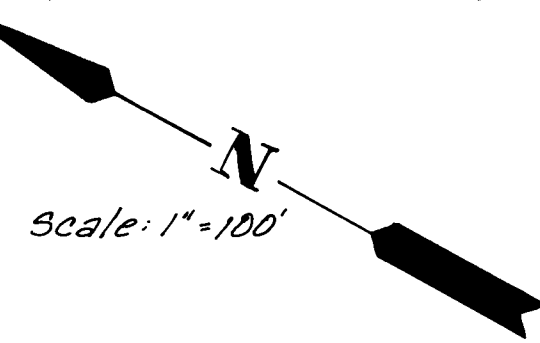
- New Mexico Standard Specifications for Public Works Construction-1970 Edition, will be referred to hereon as the "Standard Specifications".
- All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with "Contract Documents for Public Works Contract No. 84-2 and the Standard Specifications".
- All utilities and utility lines shall be installed prior to paving.
- Where a water line passes beneath or less than 18" above an existing sewer line, the sewer line shall be encased in concrete 6" thick for at least 10' on each side of the water line, or the sewer line shall be replaced with ductile iron pipe with mechanical joints for 10' each side of the water line. This shall also apply where a parallel water line is less than 10' horizontally and less than 2' above the sewer.
- Backfill compaction shall be according to specified street use.
- Stations shown are centerline stations. Profile grades are top of curb. Distances shown are applicable to curb lot centerline.
- If curb is depressed for a drivepad, the drivepad shall be constructed prior to acceptance of the curb and gutter.
- All storm drainage facilities shall be completed prior to final acceptance.
- Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing lines.
- 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.
- Location of Flatten Crown Sections as specified by the engineer.
- Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- All manholes on this project are 4 ft. in diameter, unless otherwise noted. Invert elevations shown are at edge of manhole. All sewer line stations refer to centerline street stations.
- Sewer pipe lengths are from edge of manhole to edge of manhole.
- All waterline stations refer to centerline street stations.
- The existence and location of existing underground facilities shown on these plans were obtained by a search of the available records. To the best of our knowledge, there are no other existing facilities except as shown on these plans. However, the contractor is required to take precautionary measures to protect any existing facility shown hereon and any other which is not of record or not shown on these plans.

26 13780165

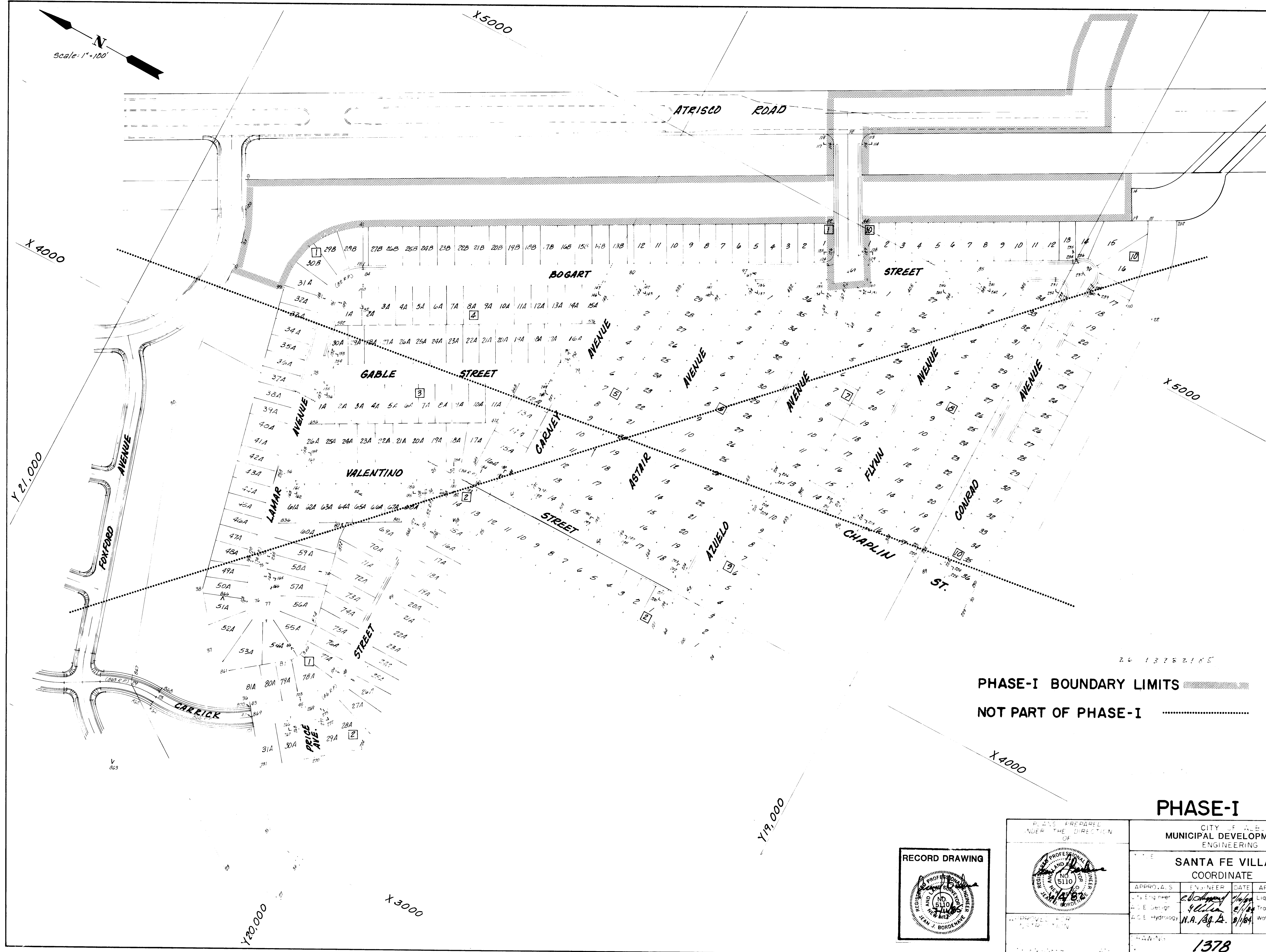
W. J. Bordenave
11-15-85



REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									
DWJM/Adam, Hamlyn, Anderson Suite A 4055 Montgomery Boulevard N.E. Albuquerque, New Mexico 87109 Telephone: 505/881-1808						APPROVED FOR CONSTRUCTION C. J. Shippert C.E.			
1378						SHEET 1 OF 22			

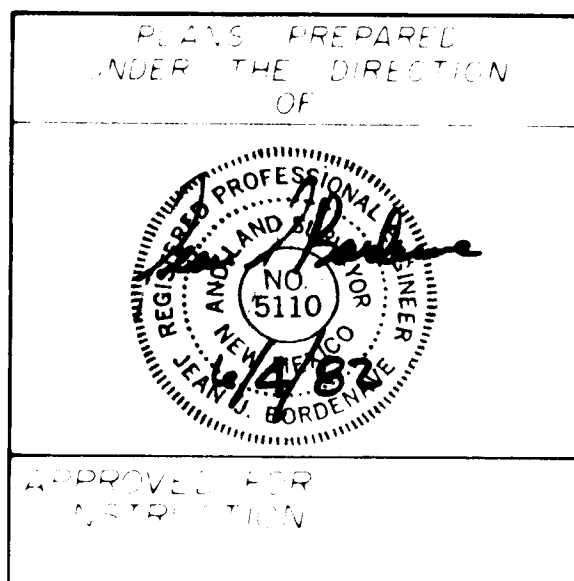
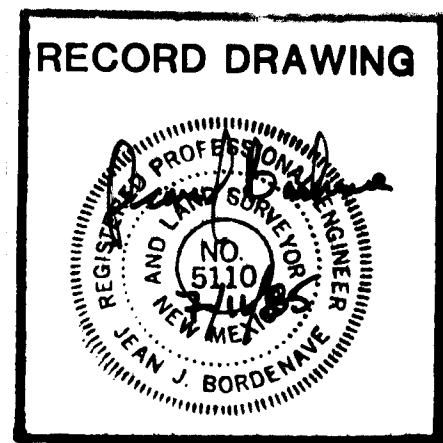


Scale: 1"=100'



PHASE-I BOUNDARY LIMITS
NOT PART OF PHASE-I

PHASE-I



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
SANTA FE VILLAGE UNIT 1 COORDINATE LAYOUT SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>R. Pina</i>	1/4/84	Liquid Waste	<i>R. Pina</i>	8/1/84
ACE Design	<i>N.A. Ag. L.</i>	8/1/84	Traffic	<i>N.A. Ag. L.</i>	8/1/84
ACE Hydrology	<i>N.A. Ag. L.</i>	8/1/84	Water	<i>R. Pina</i>	8/1/84
DRAWING			SHEET 46 OF 47		
1378			21 of 22		

BENCH MARKS		AS BUILT INFORMATION	
ACS 16-E10	Elev. 5194.777		
A square chiseled on top of conc. curb at the East North East curb return of Atrisco Rd. and Flor Del Sol Place N.W.		MICRO-FILM INFORMATION	

REVISIONS		BY	
NO.	DATE		
1			
2			

Adam, Hamlyn, Anderson
Consulting Engineers, Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808

PHASE-I BOUNDARY LIMITS

NOT PART OF PHASE-I

SEWER (SEE SHEET 15)

ATRISCO ROAD

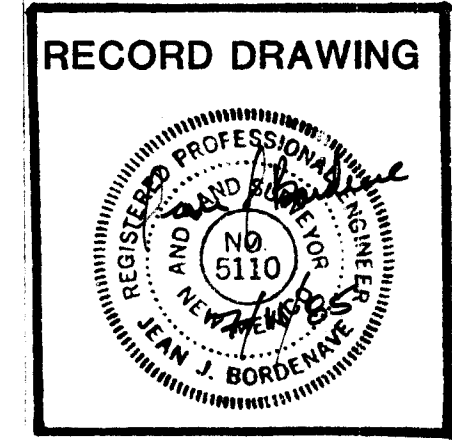
DRAINAGE
(SEE SHEET)

Scale 1"=100'

ACS 16.510"
A square checked on top of conc.
curb at the East North East curb
return of Atrisco Rd. and Flor Del
Sol Place N.W.

E-10 F-10

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808



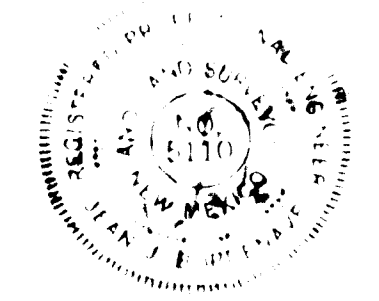
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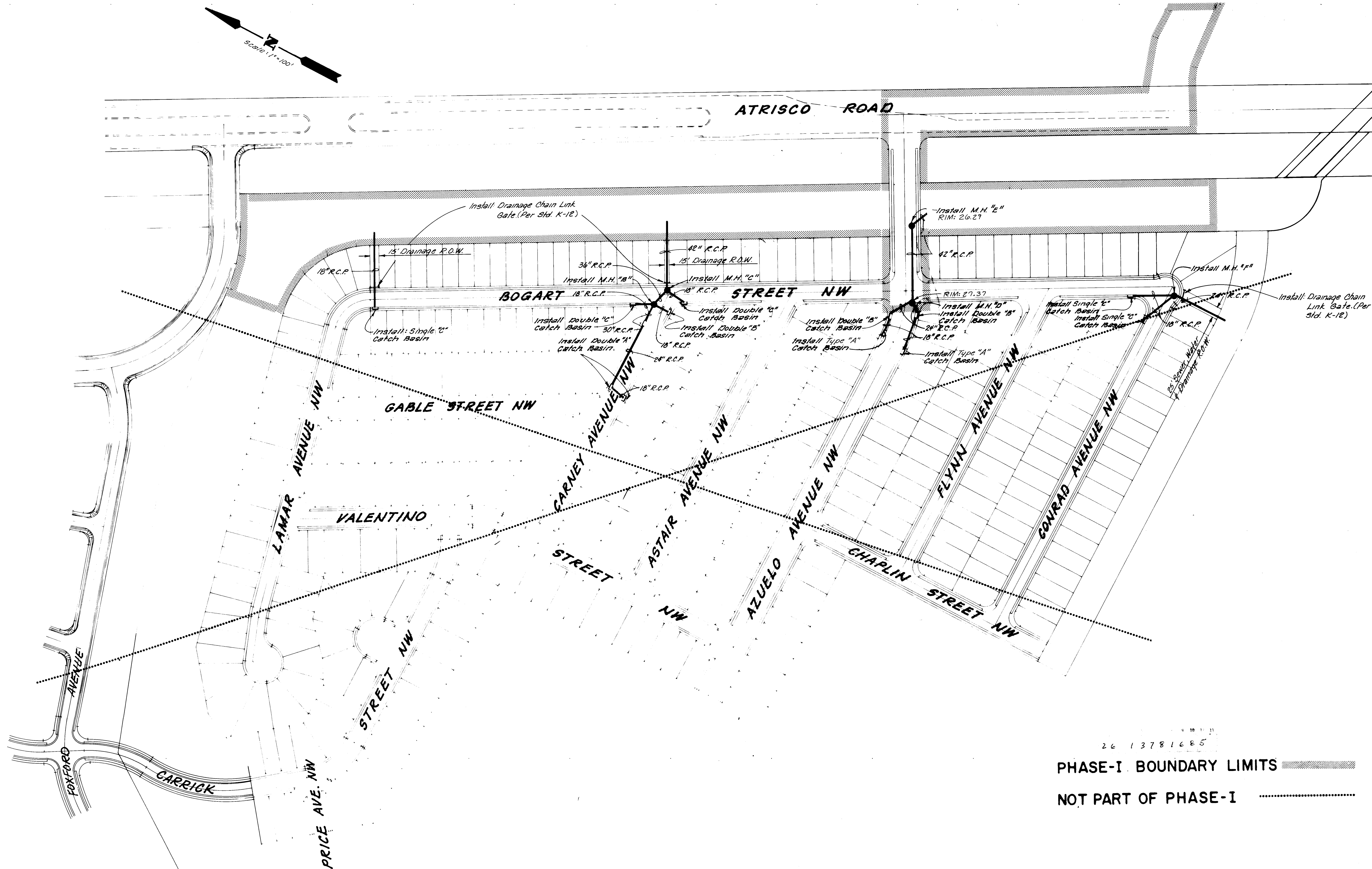
MUNICIPAL DEVELOPMENT DEPARTMENT

SANTA FE VILLAGE UNIT 1
SHEET INDEX

1378

APPROVED FOR BRUSH
GRADING
11/1/84



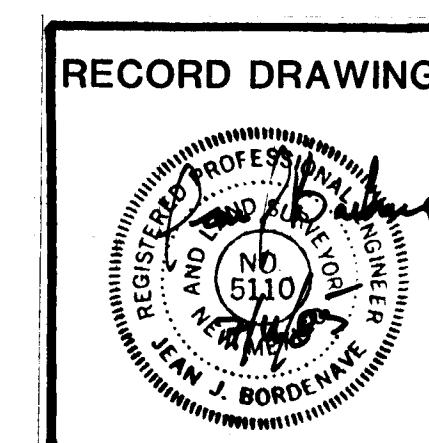


26 13781685

PHASE-I BOUNDARY LIMITS

NOT PART OF PHASE-I

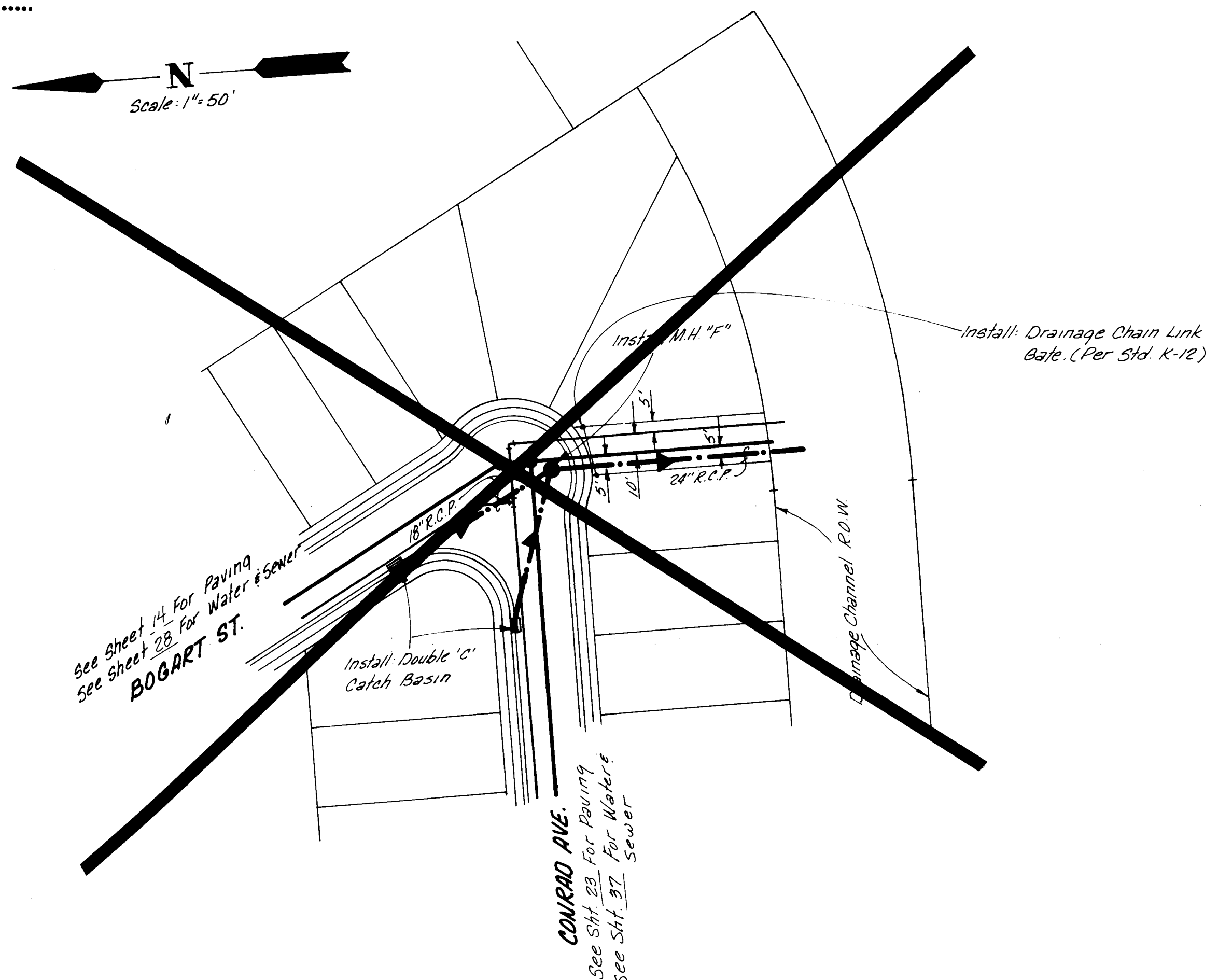
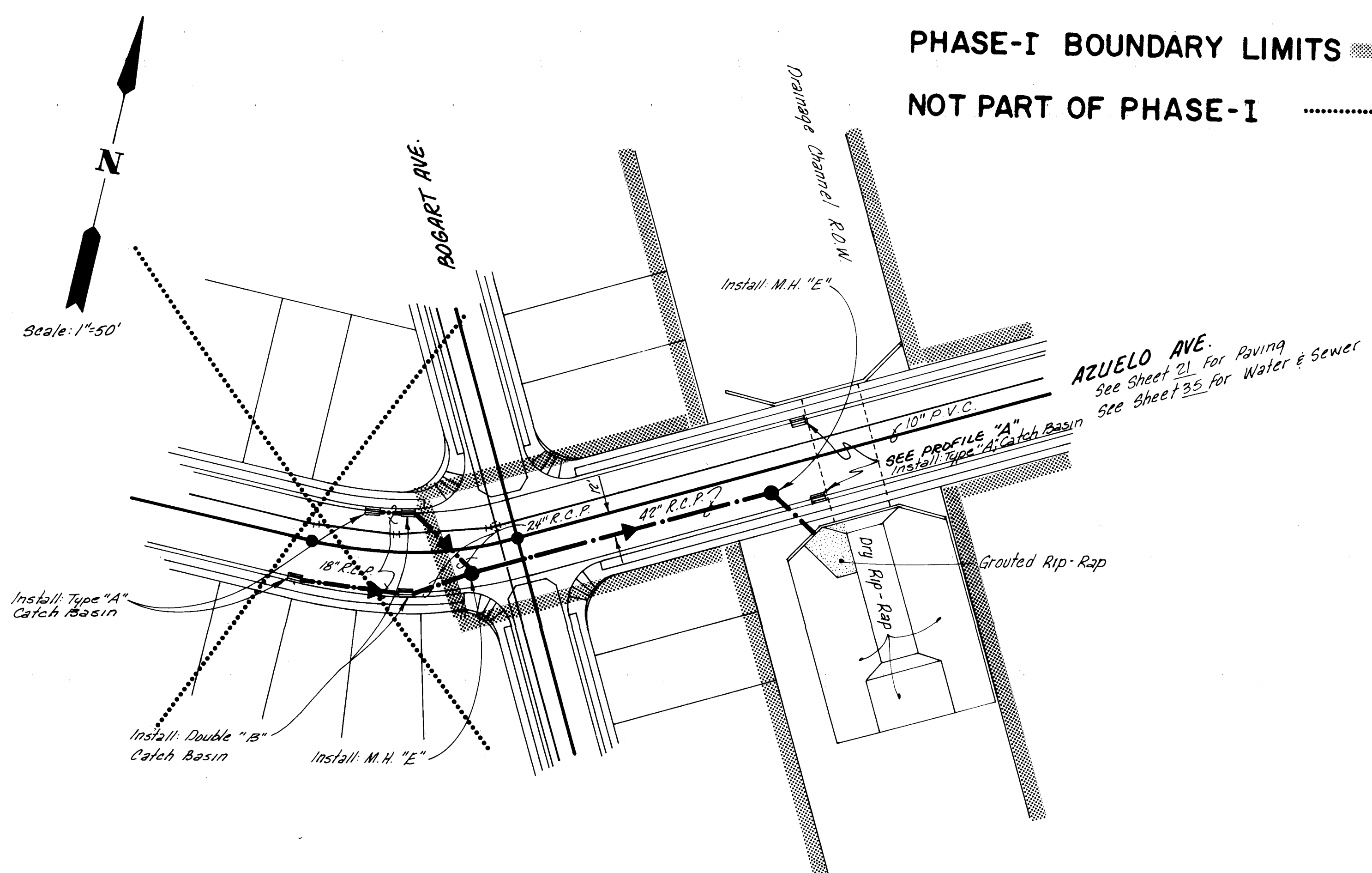
PHASE-I



PLANS PREPARED UNDER THE DIRECTION OF						CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SANTA FE VILLAGE UNIT 1											
APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE				
City Engineer		<i>[Signature]</i>	4/1/81	Liquid Waste		<i>[Signature]</i>	8/1/81				
A.C.E. Design		<i>[Signature]</i>	8/1/81	Traffic		<i>[Signature]</i>	8/1/81				
A.C.E. Hydrology		<i>[Signature]</i>	8/1/81	Water		<i>[Signature]</i>	8/1/81				
DRAWING NO. 1378						SHEET 40 of 47					

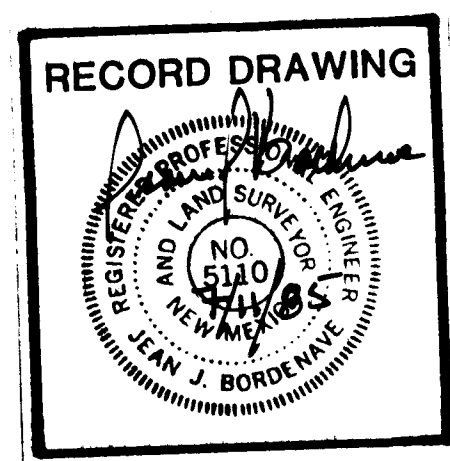
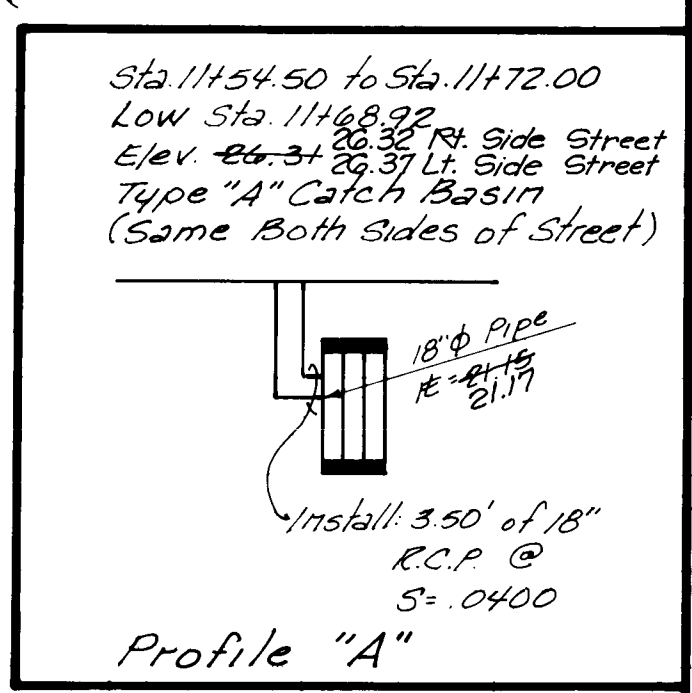
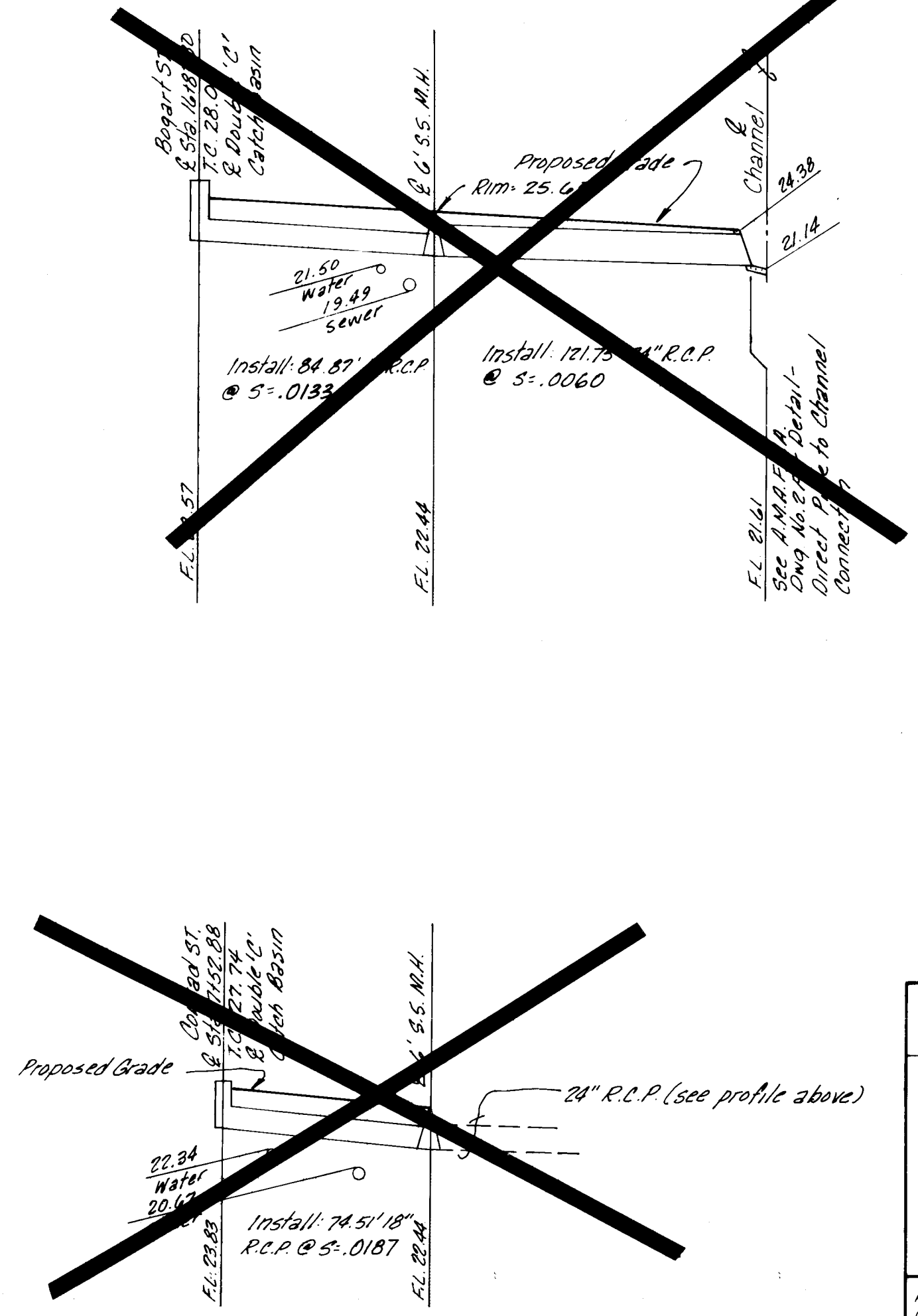
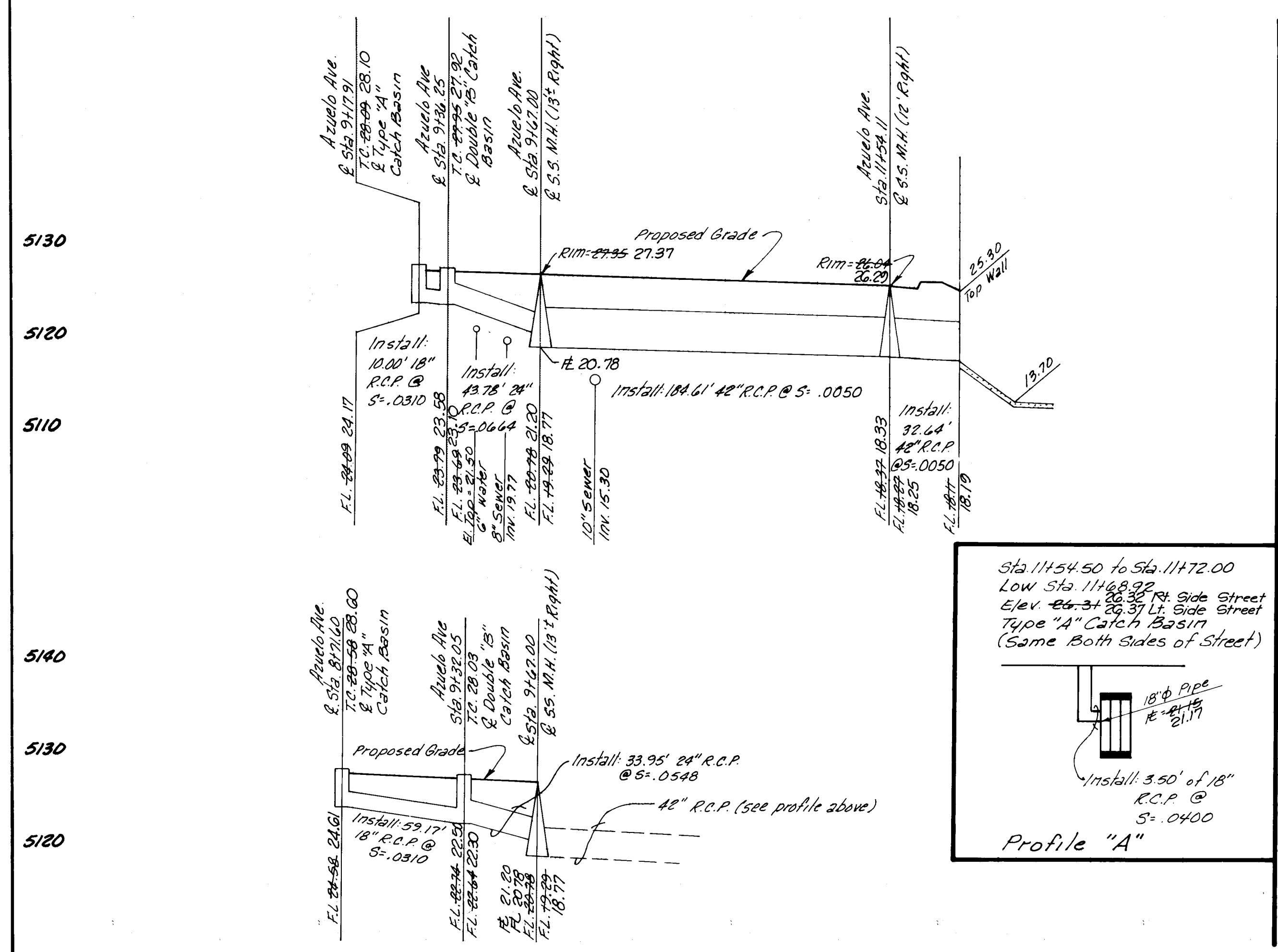
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES	
CONTRACTOR: K.N.E.		ACS 16-E10 Elev. 5194.777		FIELD NOTES		MAP NO. E10-P10 24	
INSPECTED BY: J. L. LAMAR		A square checked on top of conc.		NO. BY DATE		EST. NO. W.O. NO.	
ACCEPTANCE BY: J. LAMAR		Curb at the East North East curb Del					
VERIFICATION BY: E. WELZ		Return of Atrisco Rd and Flor Del					
DRAWN BY: E. WELZ		Sol Place NW					
MICRO-FILM INFORMATION							
RECORDED BY: NO.							

Adam, Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808



STORM SEWER = LINE 'C'

STORM SEWER = LINE 'D'



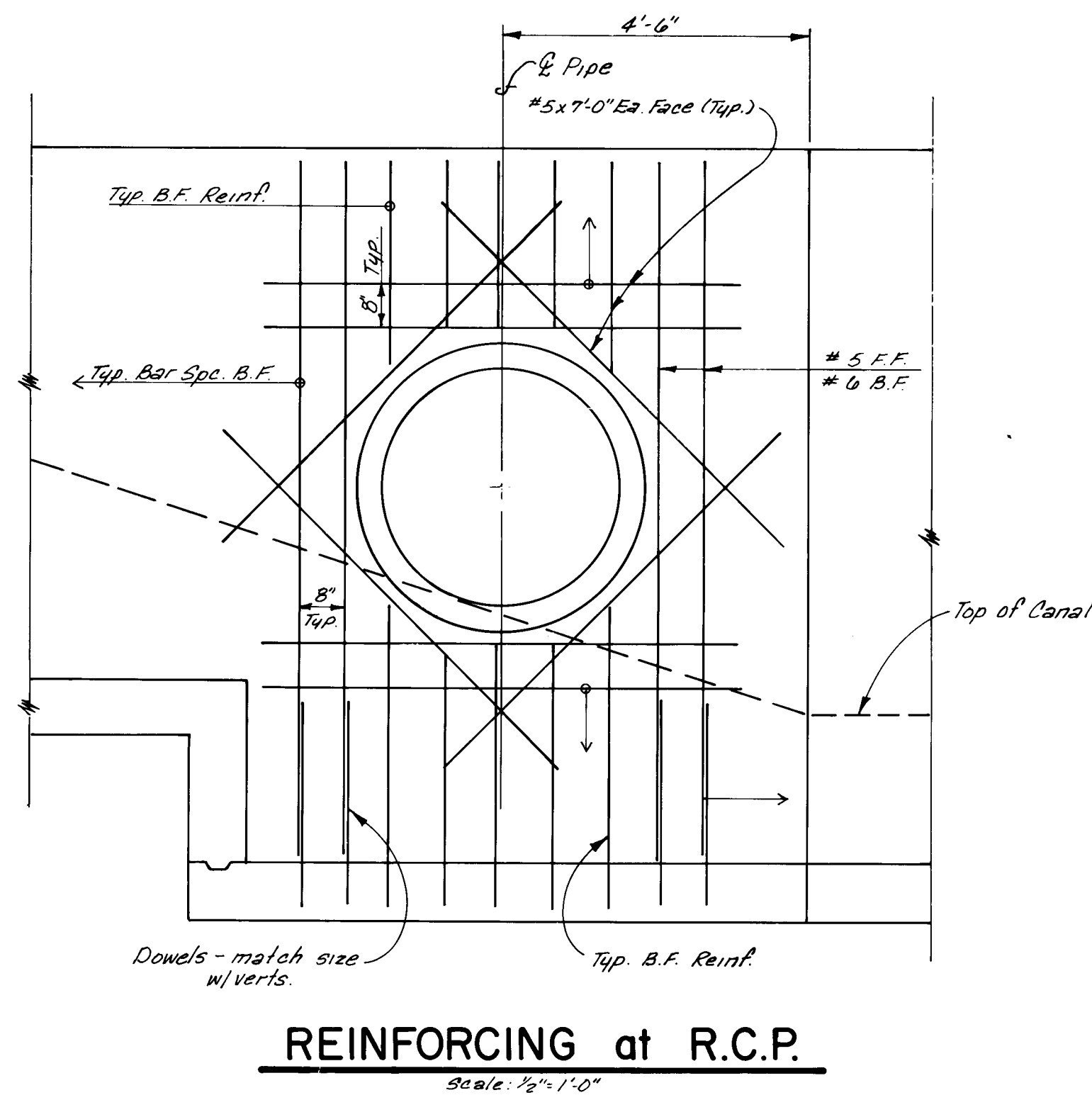
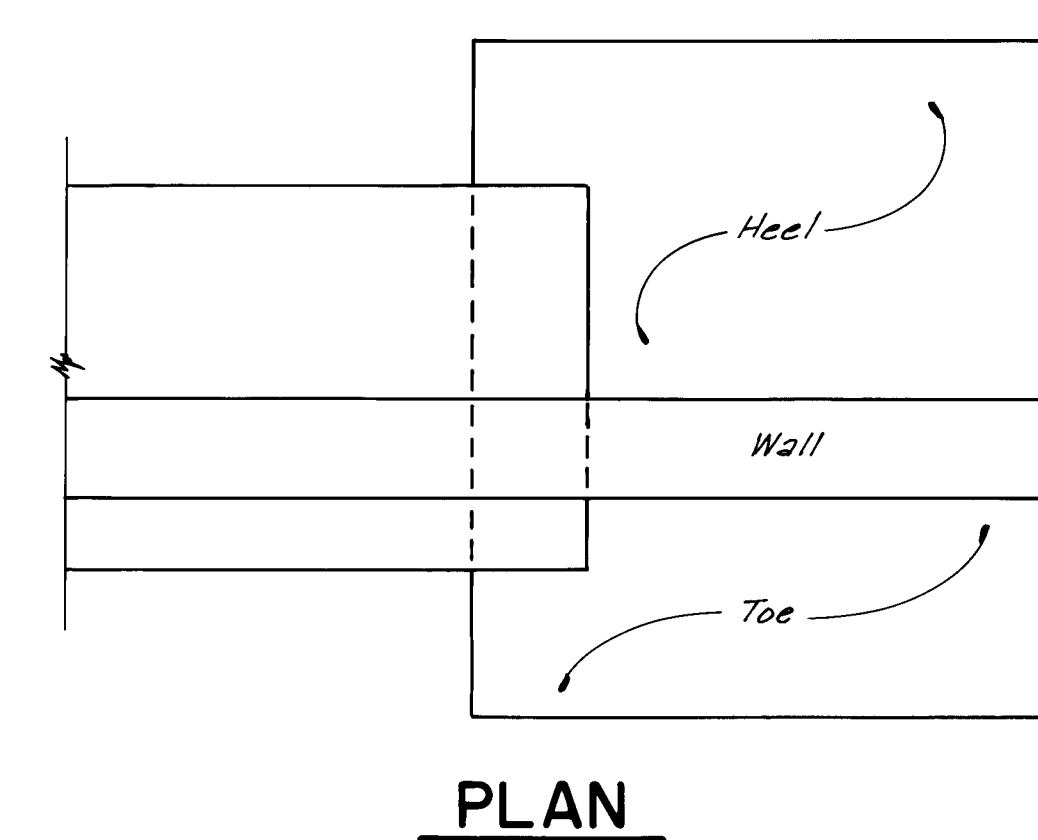
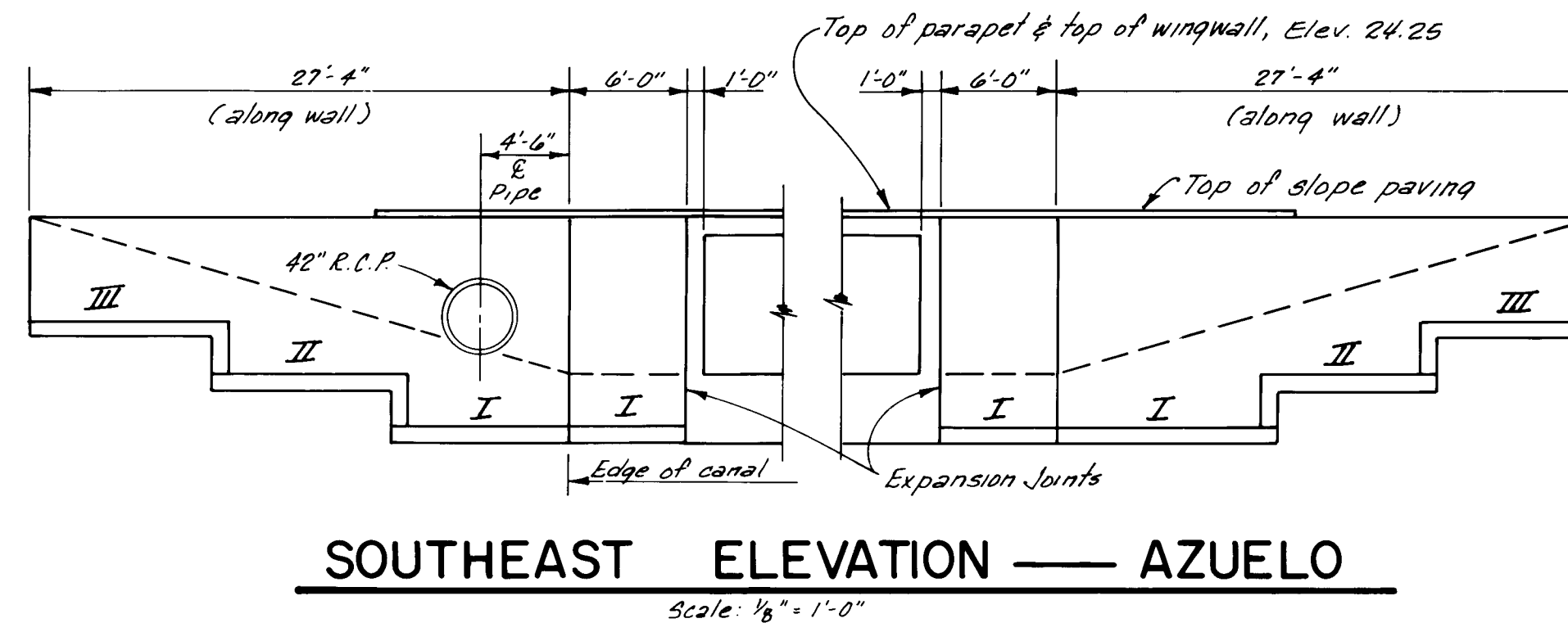
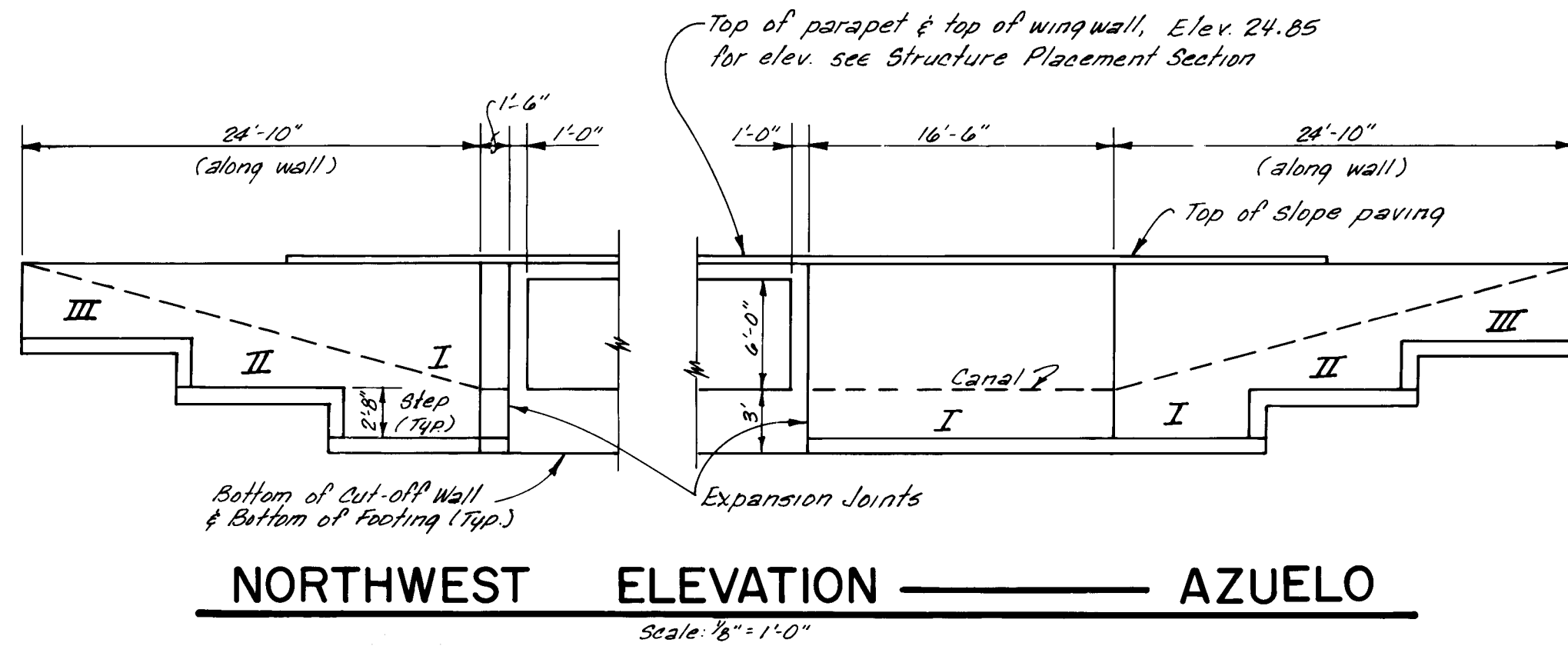
PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

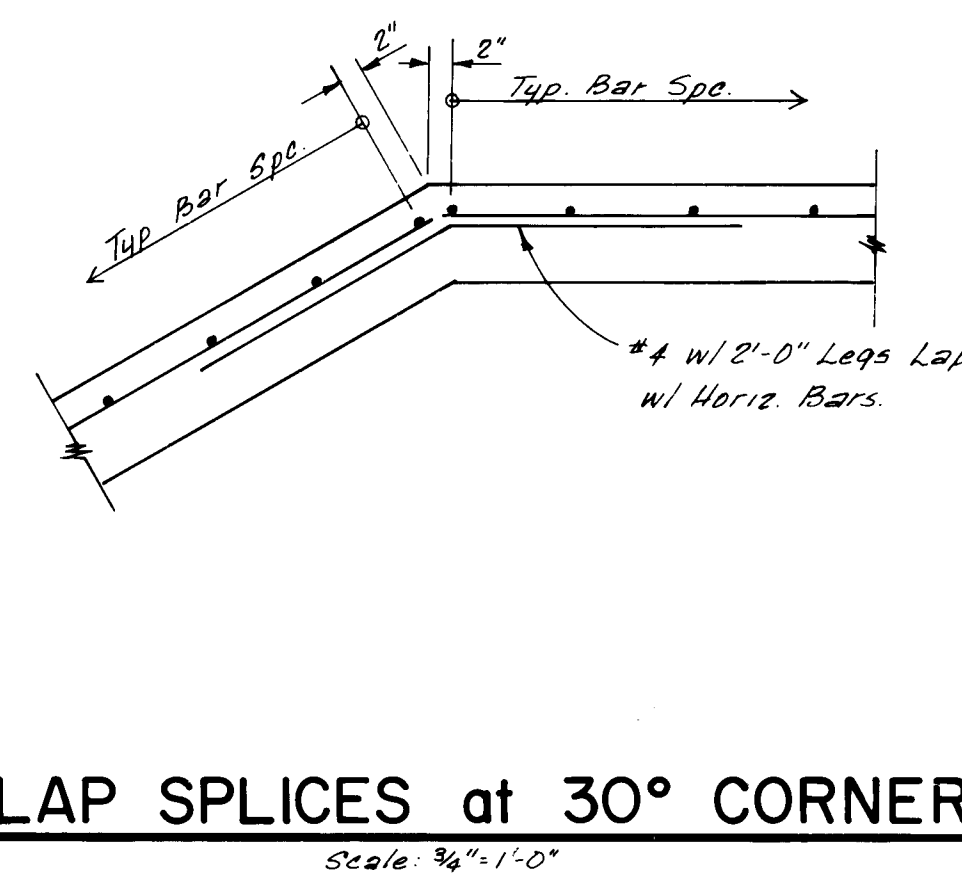
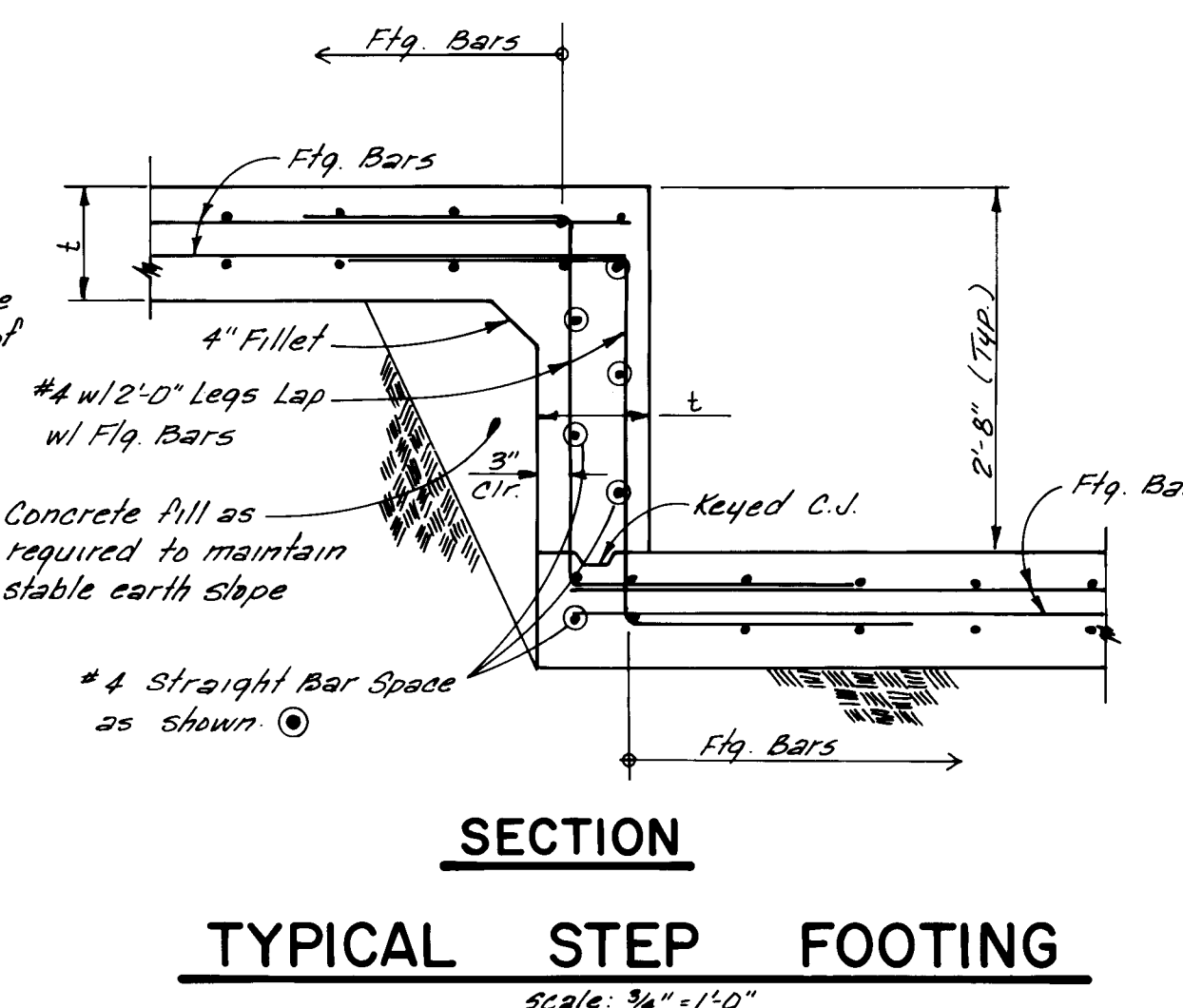
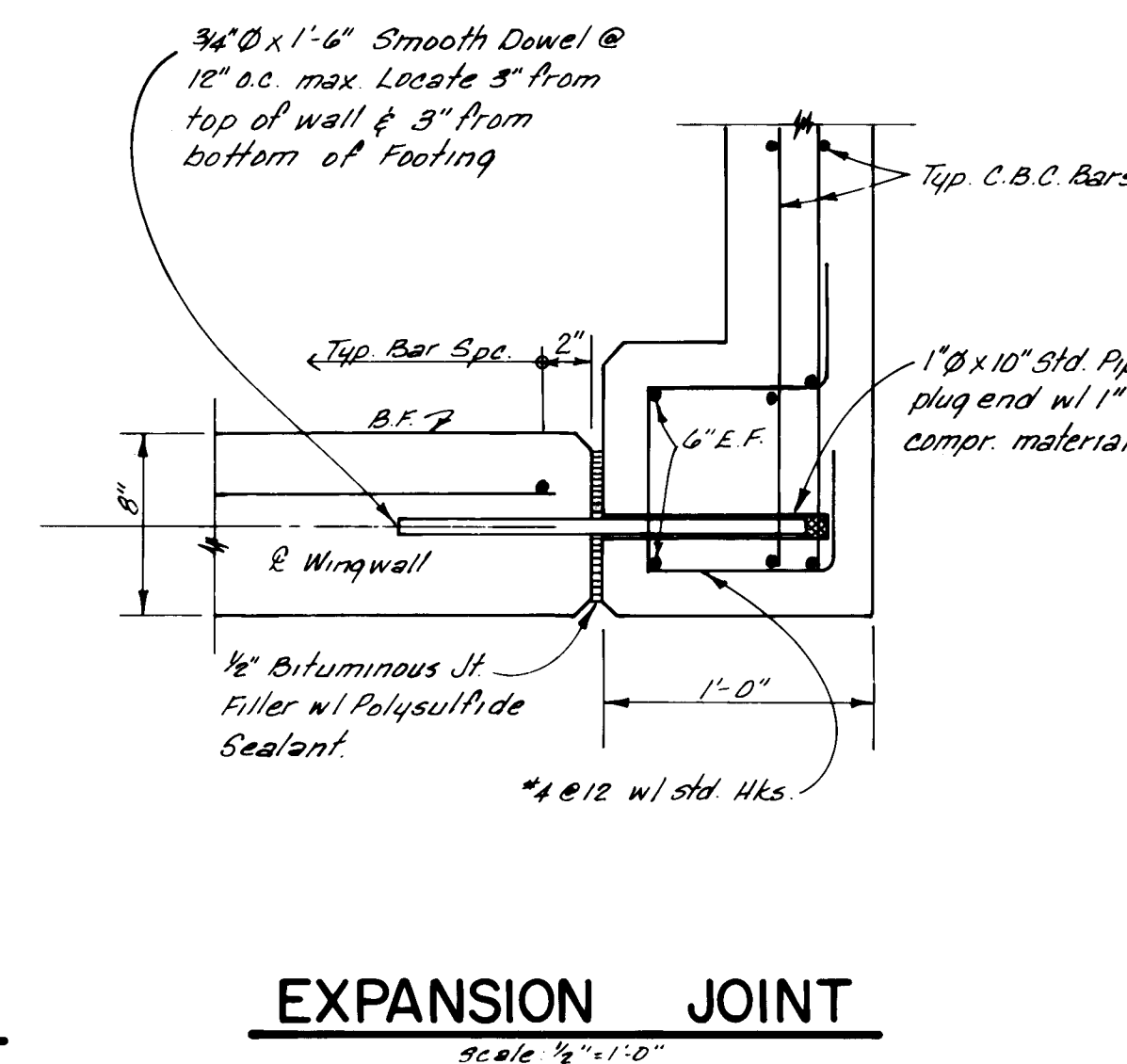
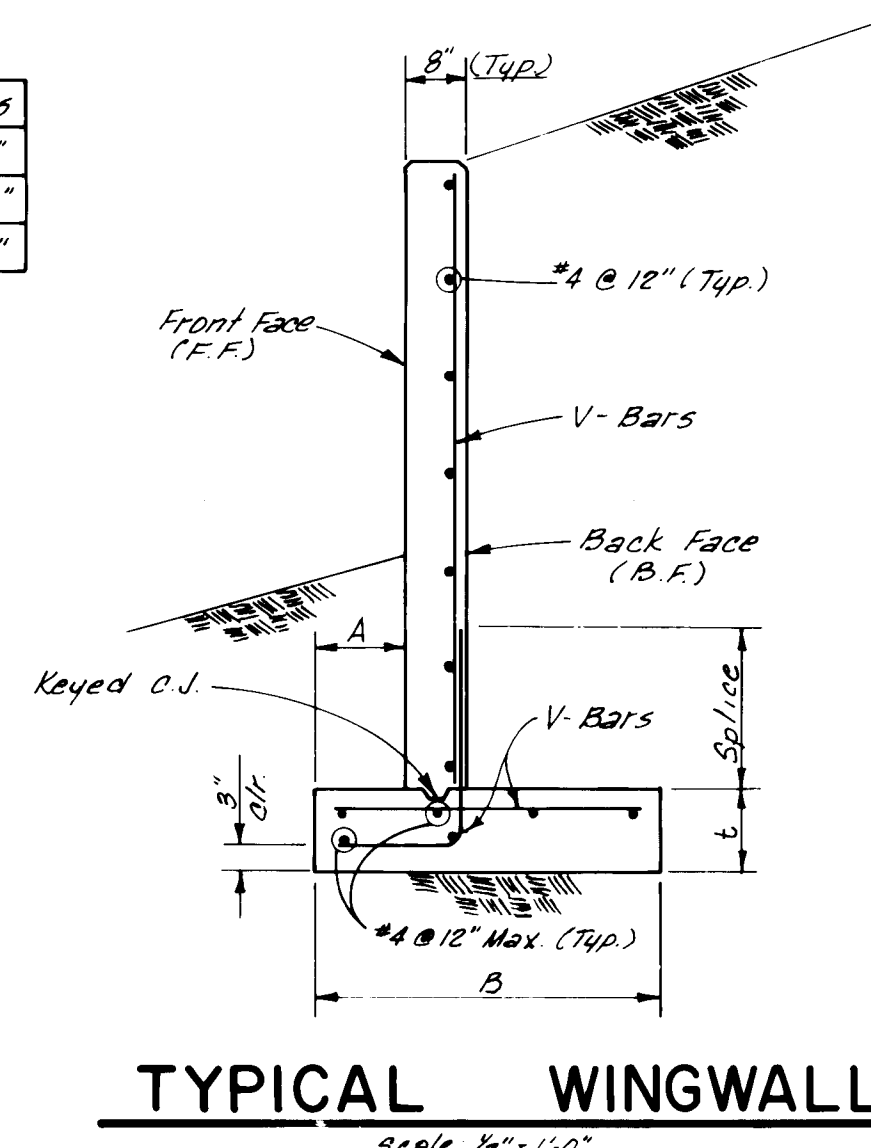
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE SANTA FE VILLAGE UNIT 1 STORM SEWER P & P					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Adrian Martinez</i>	8/1/80	Liquid Waste	<i>R. Pina</i>	8/1/80
A.C.E. Design	<i>Adrian Martinez</i>	8/1/80	Traffic	<i>N.A. DWH</i>	8/1/80
A.C.E. Hydrology	<i>S. J. Bordenave</i>	8/1/80	Water	<i>R. Pina</i>	8/1/80
DRAWING NO. 1378			SHEET 42 OF 47		

REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO.	EST. NO.	FIELD NOTES	DATE	NO.	BY	NO.	BY
5100 FID 24	W.O. NO.					ALB 14-210	8/1/80
						A square checked on top of concrete curb at the East North East curb return of Alvarado Rd and Hor Del Sol Phase II W	
						MICRO FILM INFORMATION	

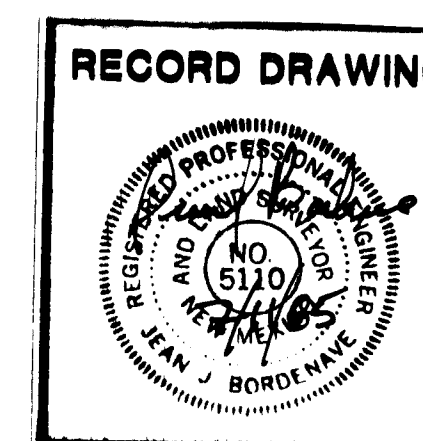


Type	t	A	B	V- Bars
I	12"	2'-0"	4'-8"	#4 @ 10"
II	10"	1'-0"	4'-8"	#5 @ 12"
III	10"	6"	2'-8"	#4 @ 12"

Splices	
#4	20"
#5	26"
#6	33"



- GENERAL NOTES**
- 1) All Bars 2" clear Concrete Cover U.O.N.
 - 2) f'c = 3000 p.s.i. @ 28 days
 - 3) P'y = 60,000 p.s.i., Gr 60
 - 4) All Concrete shall be compacted by vibrator
 - 5) E.F. Denotes each face
 - 6) All exposed edges shall be chamfered 3/4"
 - 7) Bars in the cut-off and parapet walls of the C.B.C. will have to be lengthened (over length shown on std. drawing) to account for 1'-0" "ears" - See Expansion Joint Detail
 - 8) Backfill material behind all walls shall consist of granular material with no more than 8% by weight passing the no. 200 sieve with fines being non-plastic. Backfill shall be compacted to at least 95% of max. dry density as determined by A.S.T.M. D. - 1557. Soil shall be placed in 8" max. lifts.



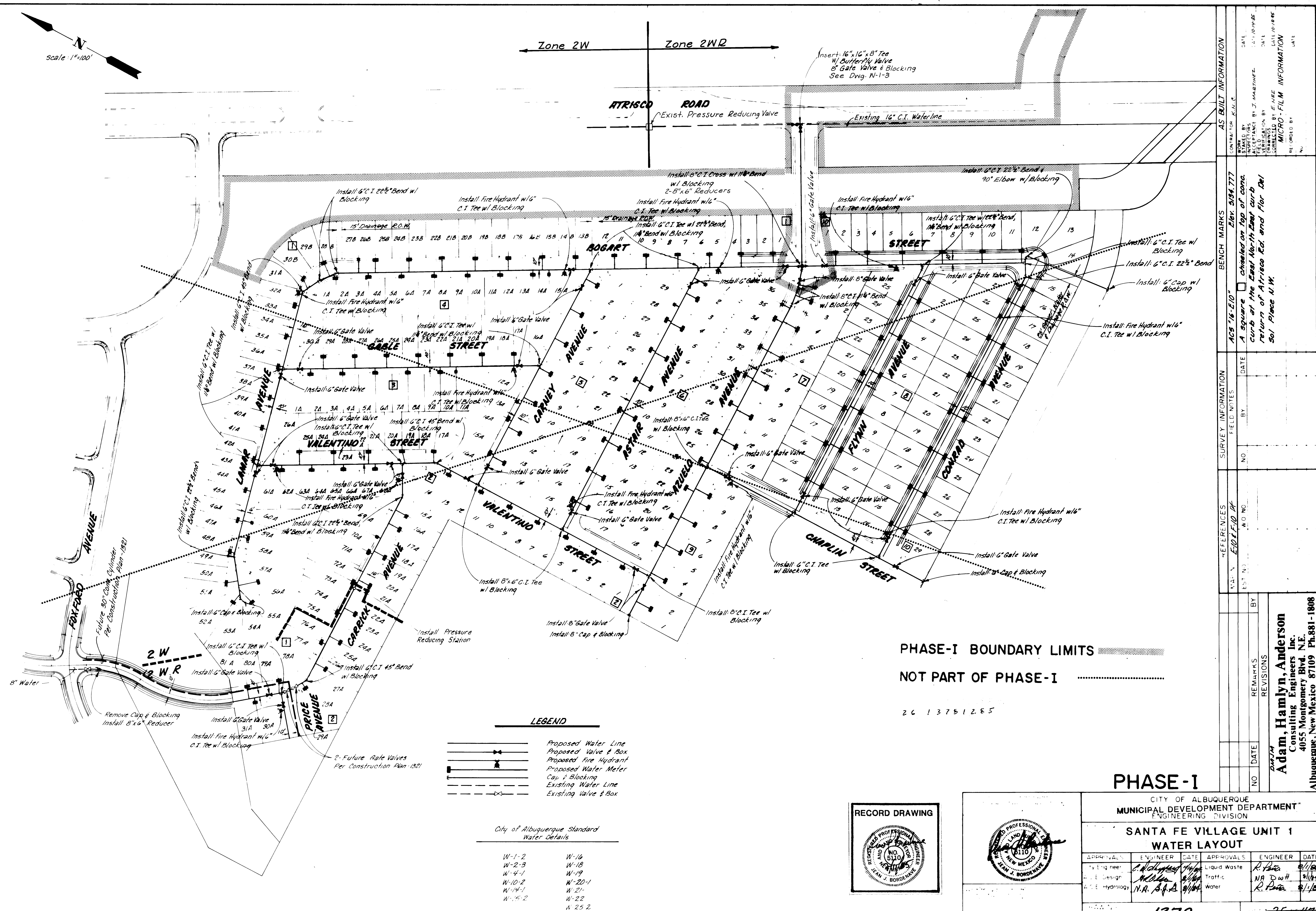
PHASE-I

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SANTA FE VILLAGE UNIT - I WINGWALL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>R. Dunn</i>	8/1/84	Liquid Waste	<i>R. Dunn</i>	8/1/84
A.C.E. Design	<i>W. Dunn</i>	8/1/84	Traffic	<i>R. Dunn</i>	8/1/84
A.C.E. Hydrology	<i>S. Dunn</i>	8/1/84	Water	<i>R. Dunn</i>	8/1/84
DRAWING NO.	1378	MAP NO.	E-10	SHEET	43 OF 47

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	K.N.E.	CONTRACT NO.	5134-777	FIELD NOTES	NO.		
WORK ORDER BY	INSPECTOR	DATE	DATE	BY	DATE		
ACCEPTANCE BY	DATE	DATE	DATE	NO.	DATE	REVISIONS BY DATE NO.	
VERIFICATION BY	DATE	DATE	DATE	NO.	DATE		
DESIGNED BY	DATE	DATE	DATE	NO.	DATE	REMARKS 26 1 3 7 8 1 8 8 5	
CHECKED BY	DATE	DATE	DATE	NO.	DATE		
RECORDED BY	DATE	DATE	DATE	NO.	DATE	ADAM HAMLYN ANDERSON Consulting Engineers Inc. 5100 N. ALBUQUERQUE ALBUQUERQUE, NEW MEXICO 87108 505-881-1808	
NO.	DATE	DATE	DATE	NO.	DATE		

NOT PART OF PHASE-I





PHASE-I BOUNDARY LIMITS

NOT PART OF PHASE-I

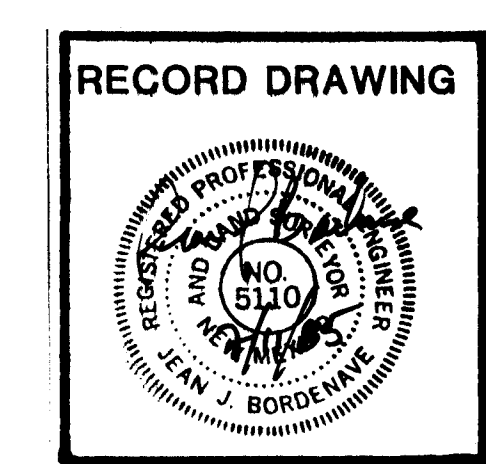
26 13751285

LEGEND

	Proposed Water Line
	Proposed Valve & Box
	Proposed Fire Hydrant
	Proposed Water Meter
	Cap & Blocking
	Existing Water Line
	Existing Valve & Box

City of Albuquerque Standard Water Details

W-1-2	W-16
W-2-3	W-18
W-4-1	W-19
W-10-2	W-20-1
W-14-1	W-21
W-15-2	W-22
	N 25 2

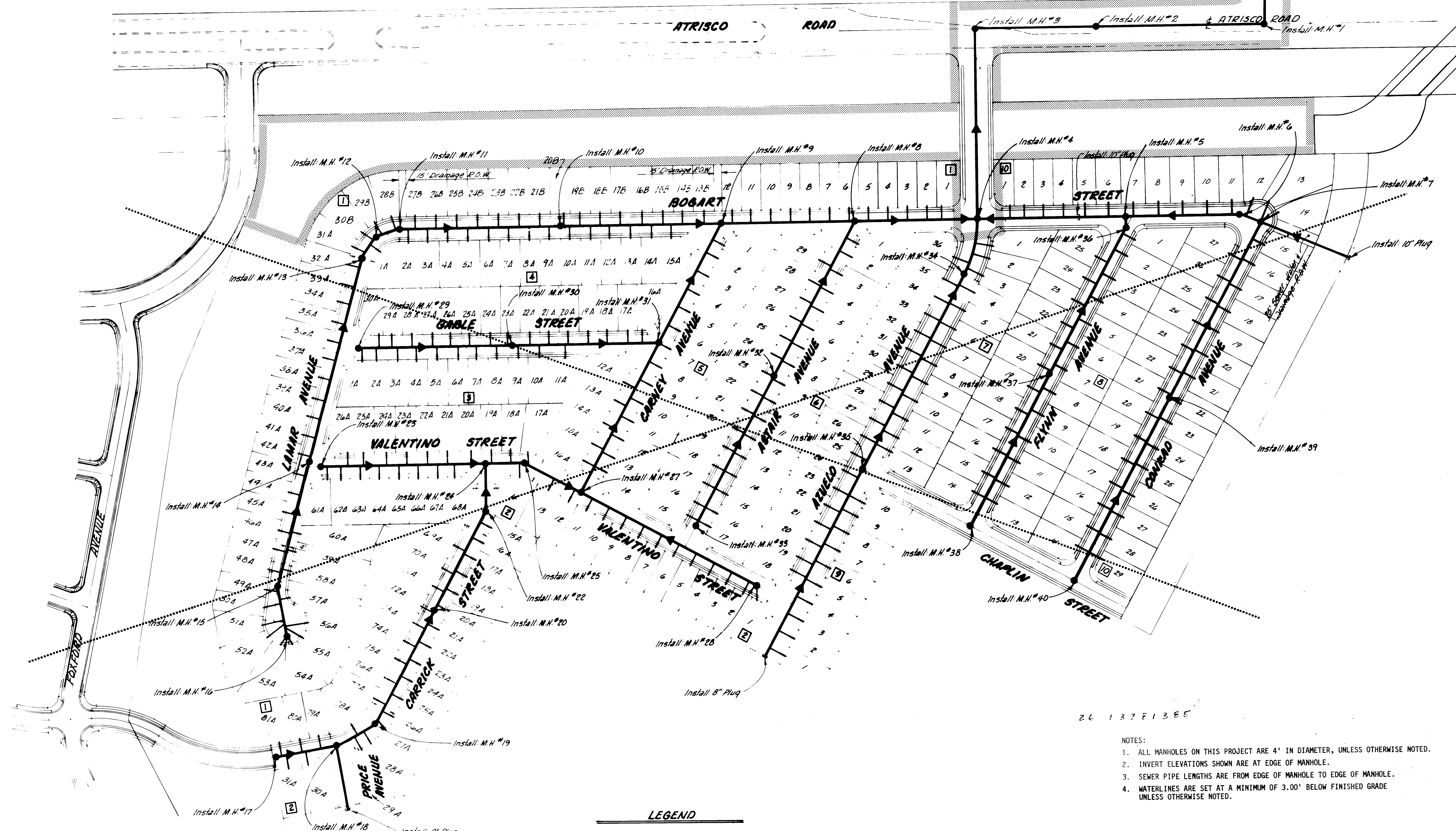


PHASE-I

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
SANTA FE VILLAGE UNIT 1 WATER LAYOUT			
APPROVALS	ENGINEER	DATE	APPROVALS
By Engineer	<i>C. Anderson</i>	4/1/04	Liquid Waste
By E. Design	<i>N.R. B. A.</i>	4/1/04	Traffic
By E. Hydrology	<i>N.R. B. A.</i>	4/1/04	Water
1378		25-47	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACT NO.	KIN 2	250 904.777	250 904.777	DATE	NO	DATE	NO	DATE	NO
STATIONED BY	J. MARTINEZ	DATE	4/1/04	DATE	NO	DATE	NO	DATE	NO
FIELD CHECKED BY	J. MARTINEZ	DATE	4/1/04	DATE	NO	DATE	NO	DATE	NO
DESIGNED BY	J. MARTINEZ	DATE	4/1/04	DATE	NO	DATE	NO	DATE	NO
CHECKED BY	J. MARTINEZ	DATE	4/1/04	DATE	NO	DATE	NO	DATE	NO
RECORDED BY	J. MARTINEZ	DATE	4/1/04	DATE	NO	DATE	NO	DATE	NO
MICRO-FILM INFORMATION		A square checked on top of cone curb at the East North East curb return of Atrisco Rd. and Flor Del Sol Place U.W.		Adam Hamlyn, Anderson Consulting Engineers Inc. 4055 Montgomery Blvd. N.E. Albuquerque, New Mexico 87109 Ph.881-1808		Adam Hamlyn, Anderson Consulting Engineers Inc. 4055 Montgomery Blvd. N.E. Albuquerque, New Mexico 87109 Ph.881-1808		Adam Hamlyn, Anderson Consulting Engineers Inc. 4055 Montgomery Blvd. N.E. Albuquerque, New Mexico 87109 Ph.881-1808	

NOT PART OF PHASE-I



Proposed Sanitary Sewer
(with flow direction)

Proposed Sanitary Manhole

Existing Sanitary Sewer
(with flow direction)

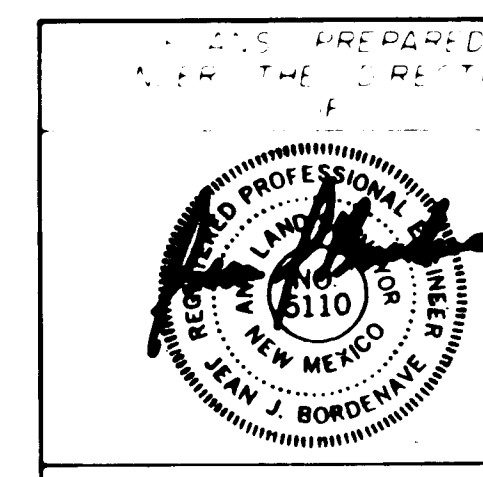
Existing Sanitary Manhole

5-1-3 5-10
5-2-3 5-6-1
5-4-2 5-8-3
5-5-2 5-9

NOTES:

1. ALL MANHOLES ON THIS PROJECT ARE 4' IN DIAMETER, UNLESS OTHERWISE NOTED.
2. INVERT ELEVATIONS SHOWN ARE AT EDGE OF MANHOLE.
3. SEWER PIPE LENGTHS ARE FROM EDGE OF MANHOLE TO EDGE OF MANHOLE.
4. WATERLINES ARE SET AT A MINIMUM OF 3.00' BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.

A circular professional engineer seal for the State of New Jersey. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "JEAN J. BORDENAVE" at the bottom. Inside this ring, the words "AND LAND SURVEYOR" are written in a semi-circle. The center of the seal features a smaller circle with "NO. 5110" and a date stamp "12-16-88". A handwritten signature is scrawled across the seal.



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

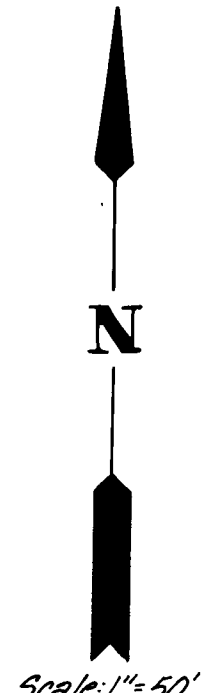
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C. D. Dwyer</i>	4/1/64	Liquid Waste	<i>R. P. Pina</i>	8/1/64
A.C.E. Design	<i>William</i>	8/1/64	Traffic	<i>N.A.D.W.H.</i>	8/1/64
A.C.E. Hydrology	<i>N.A. B.G.S.</i>	8/1/64	Water	<i>R. P. Pina</i>	8/1/64

13 of 22

NO	DATE	REMARKS	BY
----	------	---------	----

Adam Hamlyn Anderson
BMJ

4055 Montgomery Blvd. N.E.
 Minneapolis, New Mexico 87109 Ph 881-1808



PHASE-I BOUNDARY LIMITS
NOT PART OF PHASE-I

VALENTINO ST.
See Sheet 30

BOGART ST.
See Sheet 28

ARIZONA RD.
See Sheet 29

CHARLIN ST.

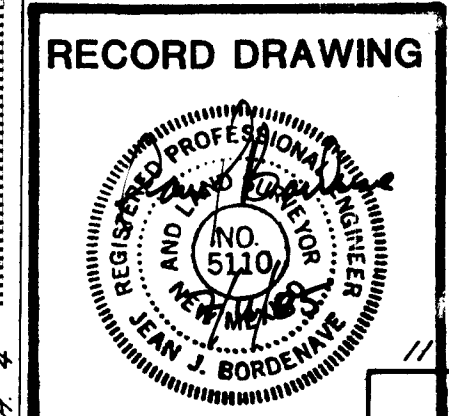
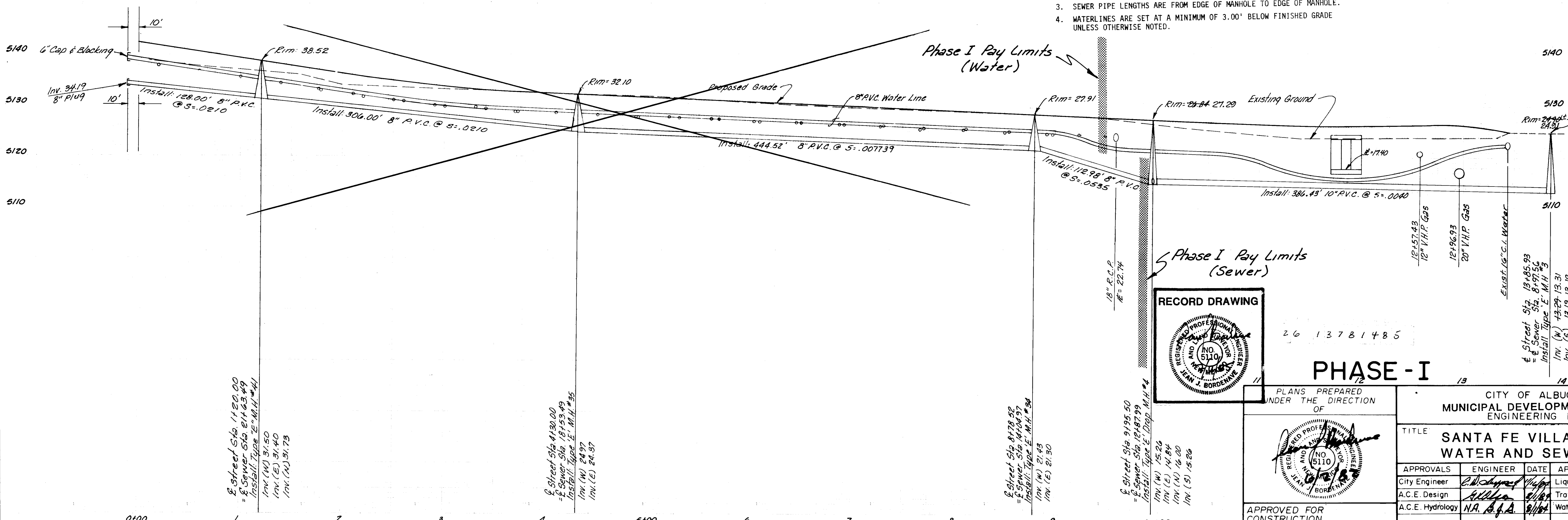
AZUELO AVENUE

Curve Data
R=254.00'
L=116.98'
Δ=28°38'33"
T=59.74'

10' North E Street
Sta. 8+78.52
Install 8" C.I. 11 1/4" Bend
w/ Blocking

- NOTES:
1. ALL MANHOLES ON THIS PROJECT ARE 4' IN DIAMETER, UNLESS OTHERWISE NOTED.
 2. INVERT ELEVATIONS SHOWN ARE AT EDGE OF MANHOLE.
 3. SEWER PIPE LENGTHS ARE FROM EDGE OF MANHOLE TO EDGE OF MANHOLE.
 4. WATERLINES ARE SET AT A MINIMUM OF 3.00' BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.

Vertical: 1"=10'
Horizontal: 1"=50'



PHASE - I

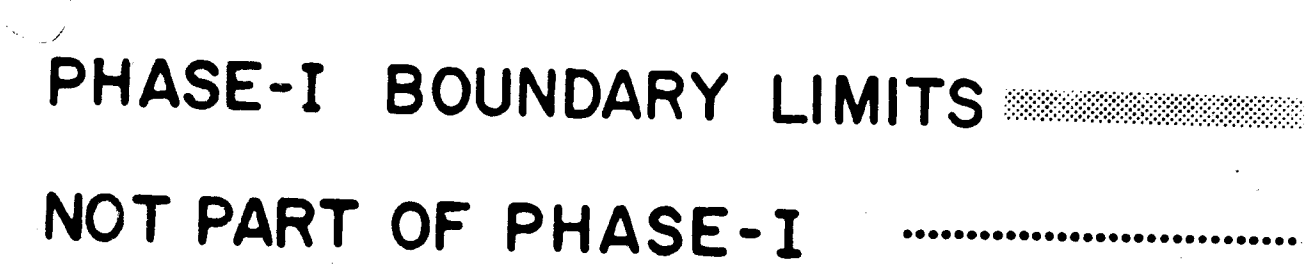
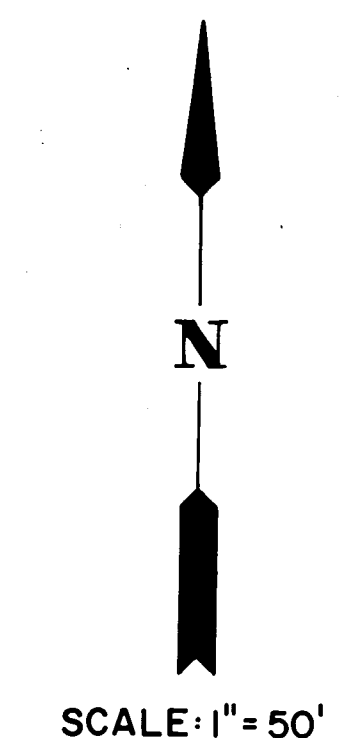
PLANS PREPARED
UNDER THE DIRECTION
OF

APPROVED FOR
CONSTRUCTION
CITY ENGINEER DATE

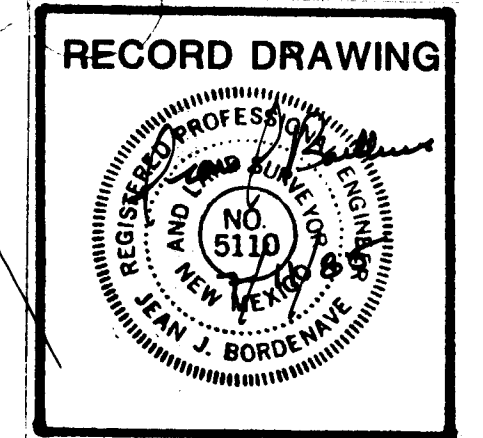
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE SANTA FE VILLAGE UNIT 1 WATER AND SEWER P&P					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	6/1/04	Liquid Waste	<i>[Signature]</i>	6/1/04
A.C.E. Design	<i>[Signature]</i>	6/1/04	Traffic	<i>[Signature]</i>	6/1/04
A.C.E. Hydrology	<i>[Signature]</i>	6/1/04	Water	<i>[Signature]</i>	6/1/04
DRAWING NO. 1378			SHEET 35 of 47		

REFERENCES			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
MAP NO. E-10 & F-10			FIELD NOTES			ACS "16-E-10"			CONTRACTOR K.N.C.		
EST. NO.	W.O. NO.		NO.	BY	DATE	A square ☐ chiseled on top of conc. curb at the East North East curb return of Atirisco Rd and Flor Del Sol Place N.W.			WORK STARTED BY DATE ACCEPTANCE BY J. MARTINEZ DATE 10/1/85 FIELD VERIFICATION BY DATE DRAWINGS DATE 10/1/85 MICRO-FILM INFORMATION RECORDED BY DATE NO		

Adam Hamlyn, Anderson
Consulting Engineers Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph.881-1808



NOTE:
DROP STRUCTURES AND OTHER
IMPROVEMENTS SHOWN IN
GRADED CHANNEL WILL BE
UNDER SEPERATE PROJECT
BY AMAFCA N.I.C.



PHASE-I

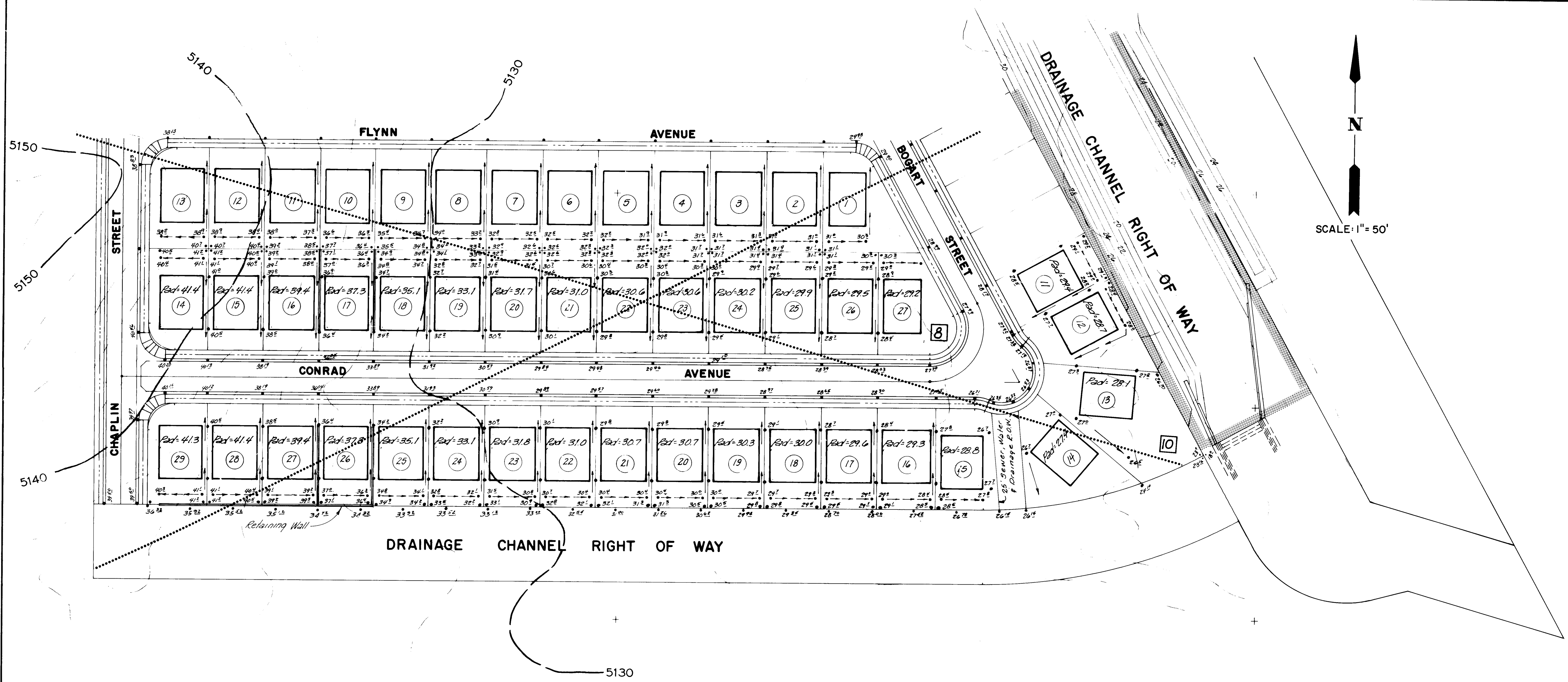
				REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				MAP NO. <i>E-10 & E-10 44</i>		FIELD NOTES					
				EST NO.		NO.		BY		DATE	
				W.O. NO.						CONTRACTOR	
NO.		DATE		REMARKS		BY				WORK STARTED BY	
										DATE	
										ACCEPTANCE BY	
										DATE	
										FIELD DRAWINGS	
										DATE	
										CORRECTED BY	
										DATE	
										MICRO - FILM INFORMATION	
										RECORDED BY	
										DATE	
										NO	

Adam, Hamlyn, Anderson
 Consulting Engineers Inc.
 4055 Montgomery Blvd. N.E.
 Albuquerque, New Mexico 87109 Ph. 881-1808

ADAM Adam, Hamlyn, Anderson Consulting Engineers Inc. 4055 Montgomery Blvd. N.E. Albuquerque, New Mexico 87109 Ph.881-1808	REVIEWS
--	----------------

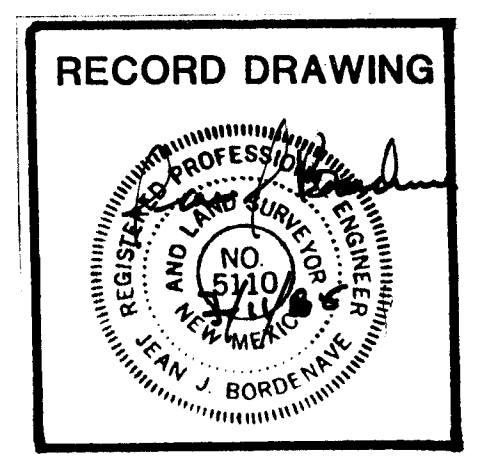
PLANS PREPARED UNDER THE DIRECTION OF	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																								
	TITLE: SANTA FE VILLAGE UNIT 1 GRADING PLAN																								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">APPROVALS</th> <th style="width: 20%;">ENGINEER</th> <th style="width: 10%;">DATE</th> <th style="width: 15%;">APPROVALS</th> <th style="width: 20%;">ENGINEER</th> <th style="width: 10%;">DATE</th> </tr> <tr> <td>City Engineer</td> <td><i>C. A. [Signature]</i></td> <td><i>11/1/84</i></td> <td>Liquid Waste</td> <td><i>R. [Signature]</i></td> <td><i>8/1/84</i></td> </tr> <tr> <td>A.C.E. Design</td> <td><i>W. [Signature]</i></td> <td><i>8/1/84</i></td> <td>Traffic</td> <td><i>N.A. [Signature]</i></td> <td><i>8/1/84</i></td> </tr> <tr> <td>A.C.E. Hydrology</td> <td><i>S. [Signature]</i></td> <td><i>8/1/84</i></td> <td>Water</td> <td><i>R. [Signature]</i></td> <td><i>8/1/84</i></td> </tr> </table>	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>C. A. [Signature]</i>	<i>11/1/84</i>	Liquid Waste	<i>R. [Signature]</i>	<i>8/1/84</i>	A.C.E. Design	<i>W. [Signature]</i>	<i>8/1/84</i>	Traffic	<i>N.A. [Signature]</i>	<i>8/1/84</i>	A.C.E. Hydrology	<i>S. [Signature]</i>	<i>8/1/84</i>	Water	<i>R. [Signature]</i>	<i>8/1/84</i>
	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																			
	City Engineer	<i>C. A. [Signature]</i>	<i>11/1/84</i>	Liquid Waste	<i>R. [Signature]</i>	<i>8/1/84</i>																			
A.C.E. Design	<i>W. [Signature]</i>	<i>8/1/84</i>	Traffic	<i>N.A. [Signature]</i>	<i>8/1/84</i>																				
A.C.E. Hydrology	<i>S. [Signature]</i>	<i>8/1/84</i>	Water	<i>R. [Signature]</i>	<i>8/1/84</i>																				
APPROVED FOR CONSTRUCTION	DRAWING NO. 1378																								
CITY ENGINEER DATE	SHEET 7 OF 47																								

5 of 22



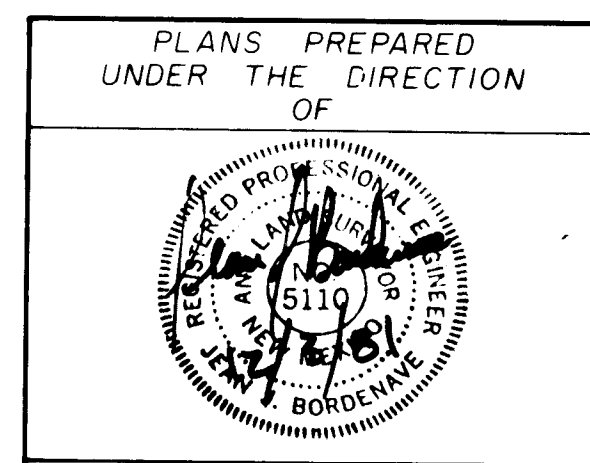
PHASE-I BOUNDARY LIMITS
NOT PART OF PHASE-I

26 13780785



NOTE:
DROP STRUCTURES AND
OTHER IMPROVEMENTS
SHOWN IN GRADED CHAN-
NEL WILL BE BUILT UNDER
SEPERATE PROJECT BY
AMAFCA N.C.

PHASE-I



APPROVED FOR ROUGH
GRADING ± 1'
Billy G. Corralan 7/3/04
CITY HYDROLOGIST DATE

APPROVED FOR
CONSTRUCTION
CITY ENGINEER DATE

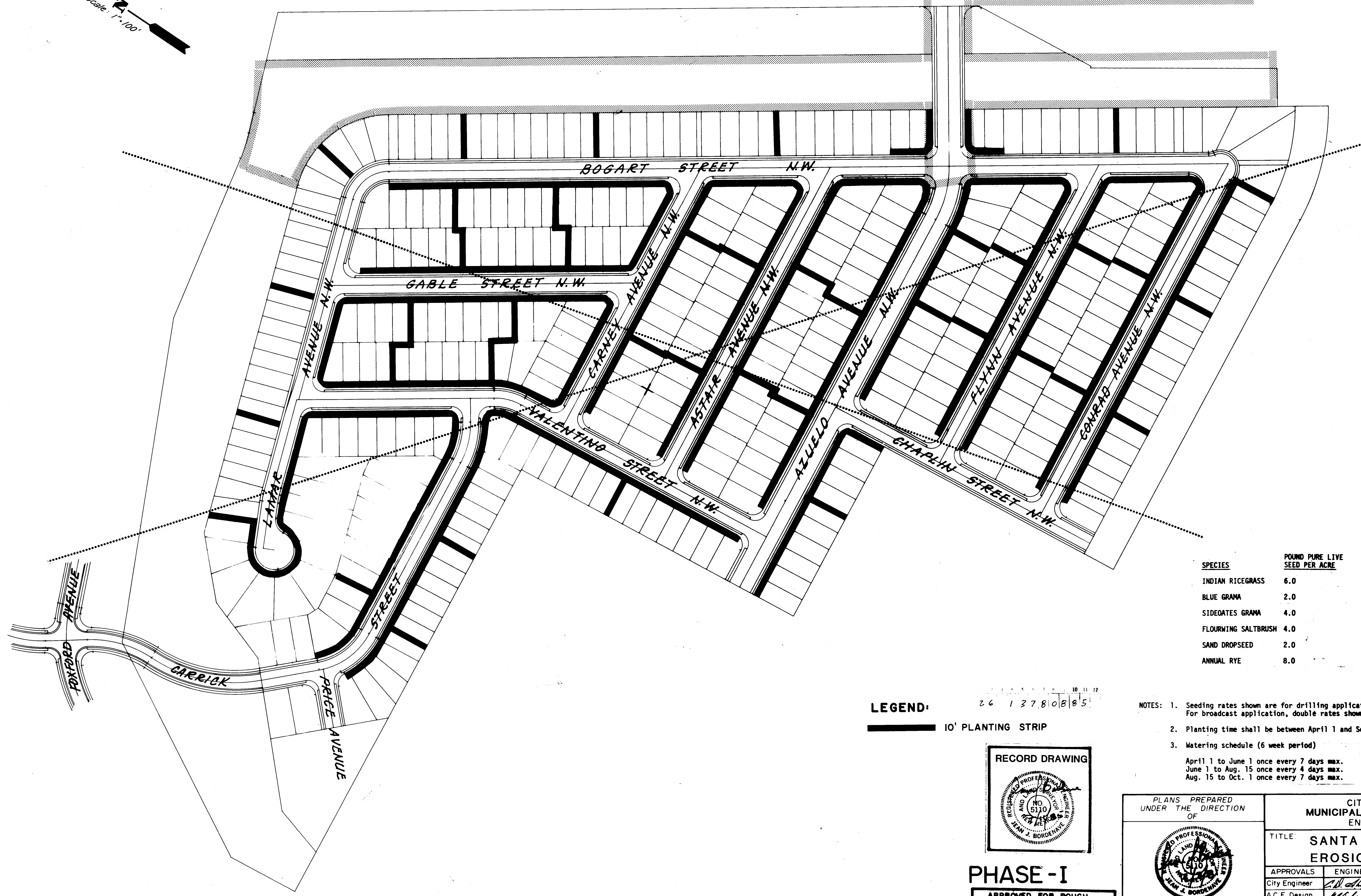
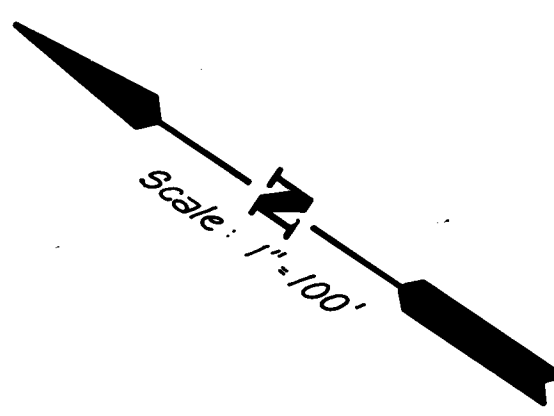
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE SANTA FE VILLAGE UNIT 1 GRADING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	8/1/04	Liquid Waste	<i>[Signature]</i>	8/1/04
A.C.E. Design	<i>[Signature]</i>	8/1/04	Traffic	<i>[Signature]</i>	8/1/04
A.C.E. Hydrology	<i>[Signature]</i>	8/1/04	Water	<i>[Signature]</i>	8/1/04
DRAWING NO. 1378			SHEET 9 OF 47		

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACTOR	NO.	APR 11/10	DATE	NO.	BY	EST. NO.	W.O. NO.	NO.	DATE
WORKED BY	NO.	APR 11/10	DATE	NO.	BY	EST. NO.	W.O. NO.	NO.	DATE
INSPECTED BY	NO.	APR 11/10	DATE	NO.	BY	EST. NO.	W.O. NO.	NO.	DATE
ACCEPTANCE BY	NO.	APR 11/10	DATE	NO.	BY	EST. NO.	W.O. NO.	NO.	DATE
VERIFICATION BY	NO.	APR 11/10	DATE	NO.	BY	EST. NO.	W.O. NO.	NO.	DATE
COMING BY	NO.	APR 11/10	DATE	NO.	BY	EST. NO.	W.O. NO.	NO.	DATE
MICRO - FILM INFORMATION		RECORDED BY		NO.		DATE		NO.	

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4055 Montgomery Blvd., N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808

PHASE-I BOUNDARY LIMITS

NOT PART OF PHASE-I



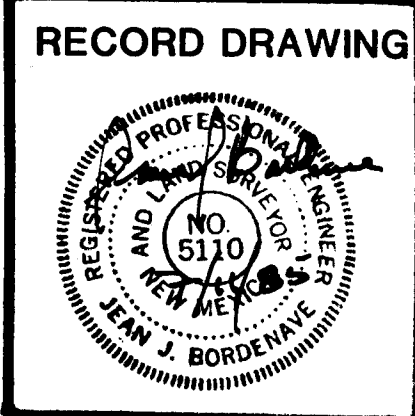
SPECIES	POUND PURE LIVE SEED PER ACRE
INDIAN RICEGRASS	6.0
BLUE GRAMA	2.0
SIDE-OATES GRAMA	4.0
FLOURWING SALTBRUSH	4.0
SAND DROPSEED	2.0
ANNUAL RYE	8.0

LEGEND:

10' PLANTING STRIP

26 13780885

- NOTES:
- Seeding rates shown are for drilling application. For broadcast application, double rates shown.
 - Planting time shall be between April 1 and Sept. 15.
 - Watering schedule (6 week period)
April 1 to June 1 once every 7 days max.
June 1 to Aug. 15 once every 4 days max.
Aug. 15 to Oct. 1 once every 7 days max.



PHASE - I

APPROVED FOR ROUGH GRADING ± 1'
Billy J. Sanchez 7/3/04
CITY HYDROLOGIST DATE

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE SANTA FE VILLAGE UNIT 1 EROSION CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>R. Ham</i>	8/1/04	Liquid Waste	<i>R. Ham</i>	8/1/04
A.C.E. Design	<i>M. Ham</i>	8/1/04	Traffic	<i>R. Ham</i>	8/1/04
A.C.E. Hydrology	<i>M. Ham</i>	8/1/04	Water	<i>R. Ham</i>	8/1/04
DRAWING NO. 1378			SHEET 10 OF 47		

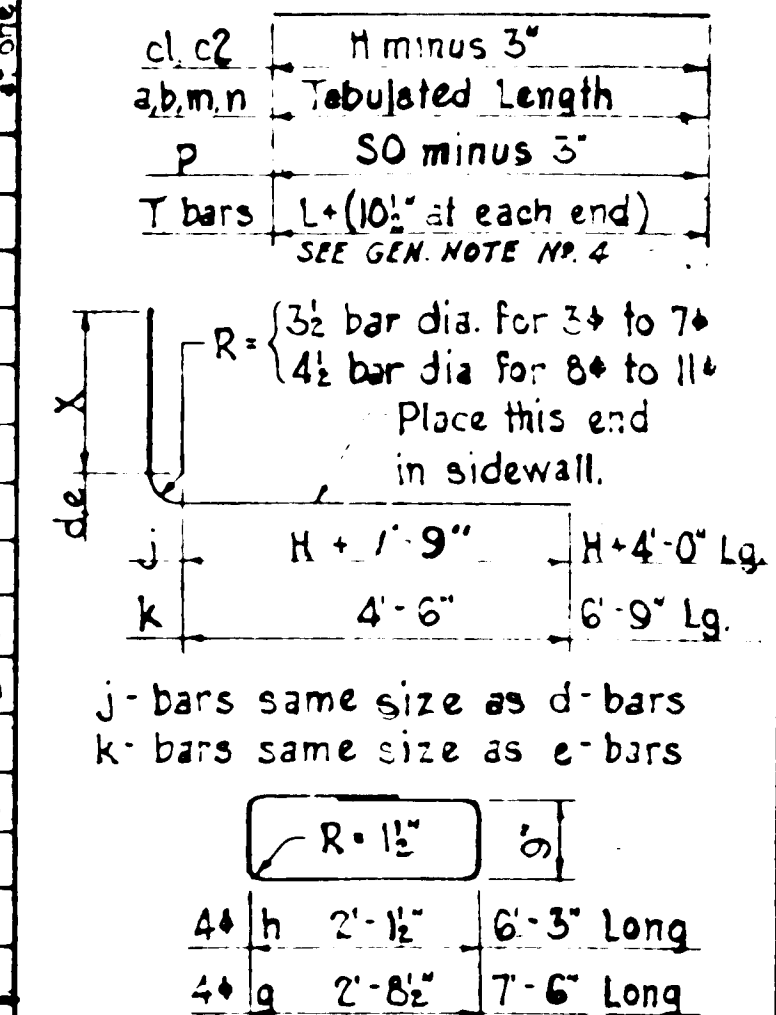
REFERENCES			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
MAP NO.	EST. NO.	W.O. NO.	NO.	BY	DATE	ACS "16-110"	Elev. 5194.777	CONTRACTOR	NO.	DATE	NO.
						A square	chiseled on top of curb	INSPECTED BY		DATE	
						curb at the East North East curb		ACCEPTANCE BY		DATE	
						return of Alrisco Rd. and Flor Del		VERIFICATION BY		DATE	
						Sol Place N.W.		CORRECTED BY		DATE	
								MICRO - FILM INFORMATION		DATE	
								RECORDED BY		DATE	

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[illegible]

FED. ROAD DIV. NO.	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	NEW MEXICO				

BAR DETAILS



Place this end
in centerwall.
R = 3 bar dia.

NUMBER OF BARS REQUIRED
1
2
3
4
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a₁, a₃, b₁, b₃, m₁ & n₁ : 12L ÷ Spacing.
a₂, b₂, c₁, d₁, e, m₂ & n₂ : 24L : Spacing.
c₁ : (24L ÷ Spacing) + 2 at each end.
c₃ & c₄ : (4BL + Spacing) ÷ 4 at ea. end.
j, k : 4 of ea. (for cutoff and parapet)
at each end.
p : 12 (for cutoff + parapet) at each end.
Other bars : see table.
L = Length of barrel in feet.

GENERAL NOTES

1. Workmanship and materials shall conform to M.M.S.H. Comm. Specifications.
2. All concrete to be Class "A". Chamfer all exposed edges $\frac{1}{2}$ " except as noted.
3. All reinforcing steel to be deformed bars, intermediate grade, conforming to A.S.T.M. Specification A-15 & A-305. All dimensions refer to $\frac{1}{4}$ of bar.
4. T-bars may be spliced, when necessary, by lapping at least 20 bar diameters. Pay weight for reinforcing steel does not include splices. Cost of splice material to be included in unit price bid for reinf. steel.
5. Volume of concrete = $(L \times \text{concrete quantity per L.F.}) \times \text{plus conc. at ends.}$
6. Weight of reinf. steel = $(L \times (\text{wt. of reinf. steel/L.F.}) \times \text{plus weight of ends.})$
7. Place T_2 -bars on a-bars and T_6 -bars under b-bars, spaced as shown in the table. The remaining T_2 - and T_6 -bars are to be placed adjacent to d, e, m, and n-bars, as indicated in Section A-A, at 2'-0" max.
8. Place T_3 -bars next to c1 bars, spaced as shown in the table. The remaining T_3 -bars to be placed in sidewall next to c2, d and e-bars. When c1 bars are not required place all T_3 bars next to c2, d & e-bars.
9. Place a1, a3, m1, n1, b1, b3 symm. about $\frac{1}{4}$ box, place m2, n2 symmetrical about $\frac{1}{4}$ walls.
10. "Cover" is height of fill from top of box to finished grade.

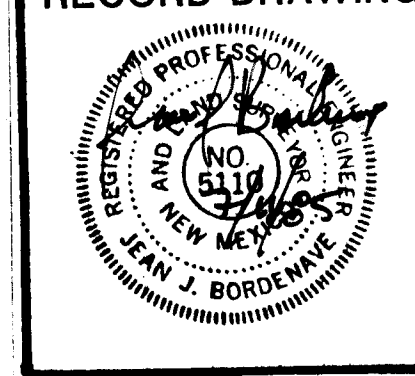
PHASE-I

NEW MEXICO
STATE HIGHWAY DEPARTMENT

CONCRETE BOX CULVERT BARRELS
TRIPLE OPENING ~ NORMAL
DESIGN NO. 1
0 TO 5' COVER

Sheet 1 of 4
SERIAL CB-

RECORD DRAWING

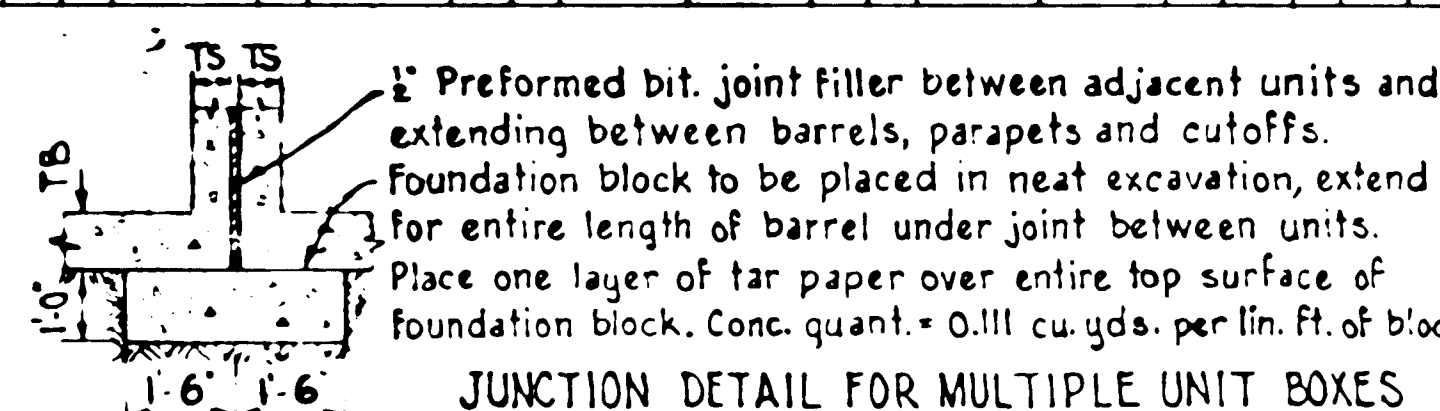
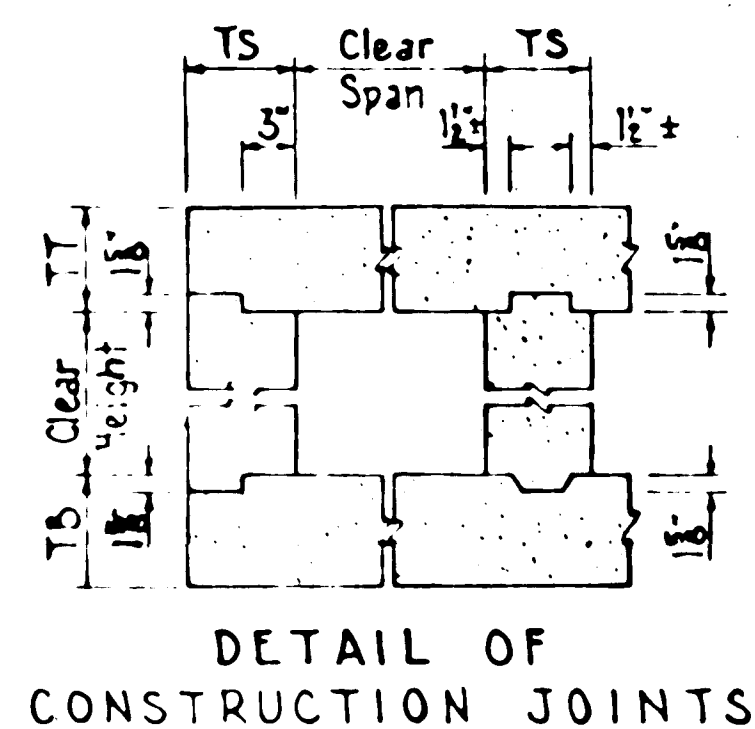
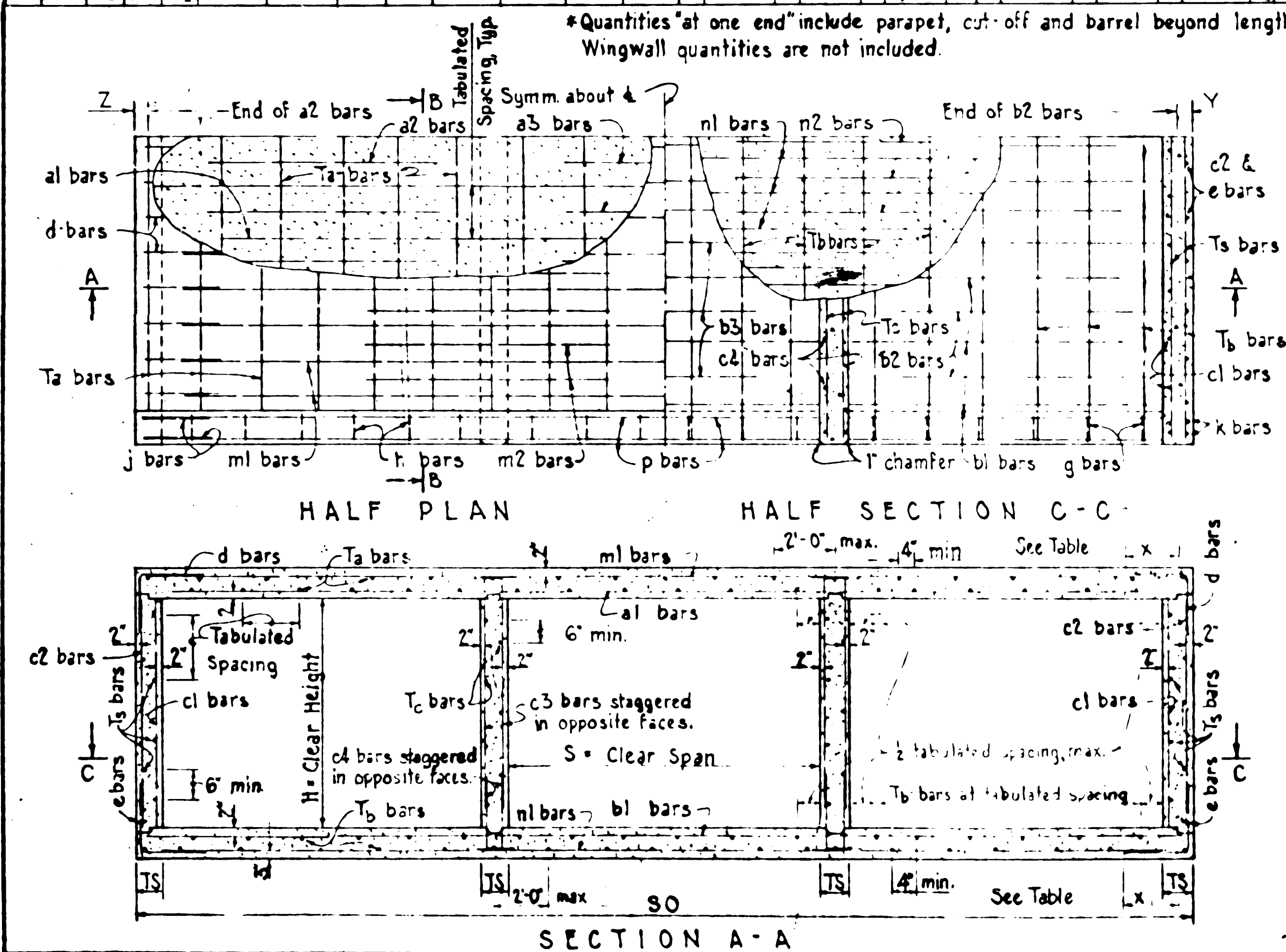


APPROVED

DRAWING NO 1378

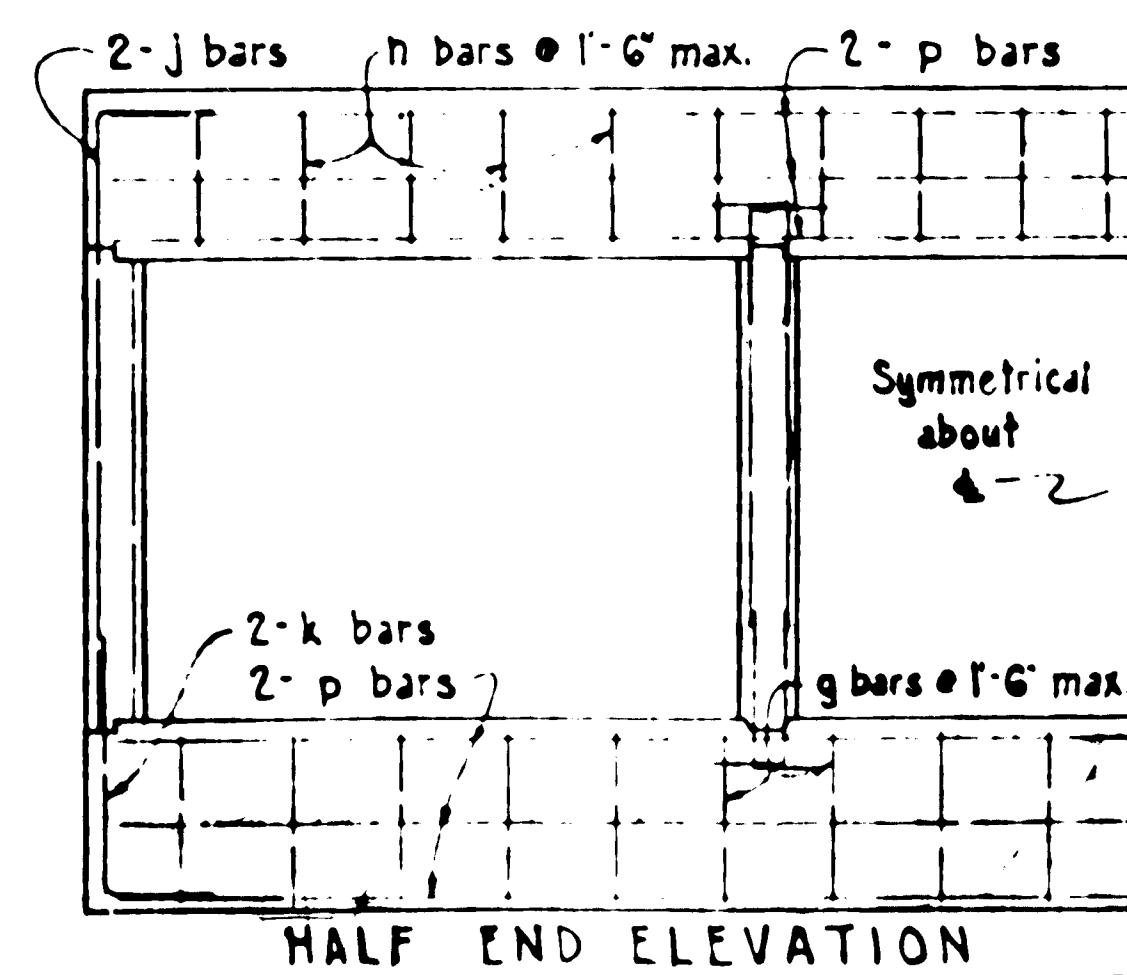
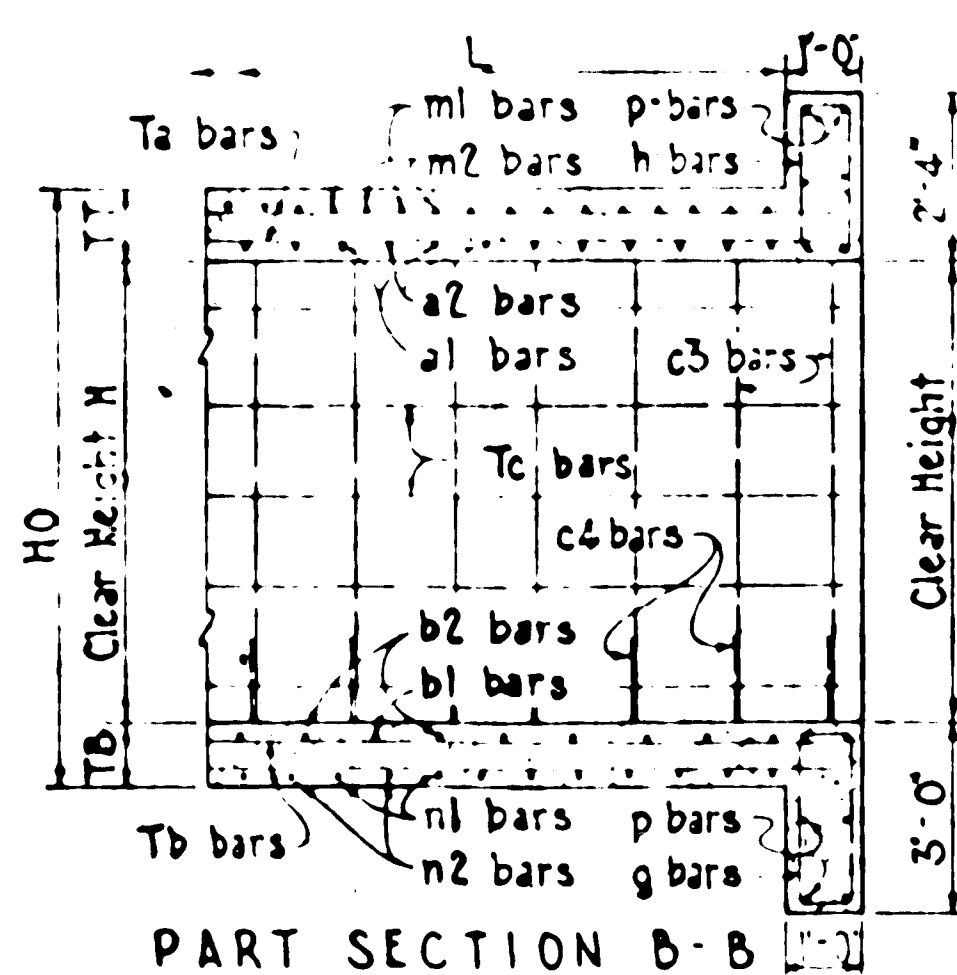
19 of 22
Sheet 45 of 47

Designed by H.T. 1-61 Checked by WJC 1-61
Detailed by SA 1-61 Checked by WJC 1-61

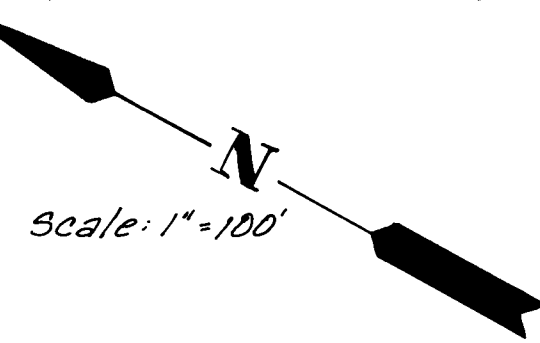


DESIGN DATA

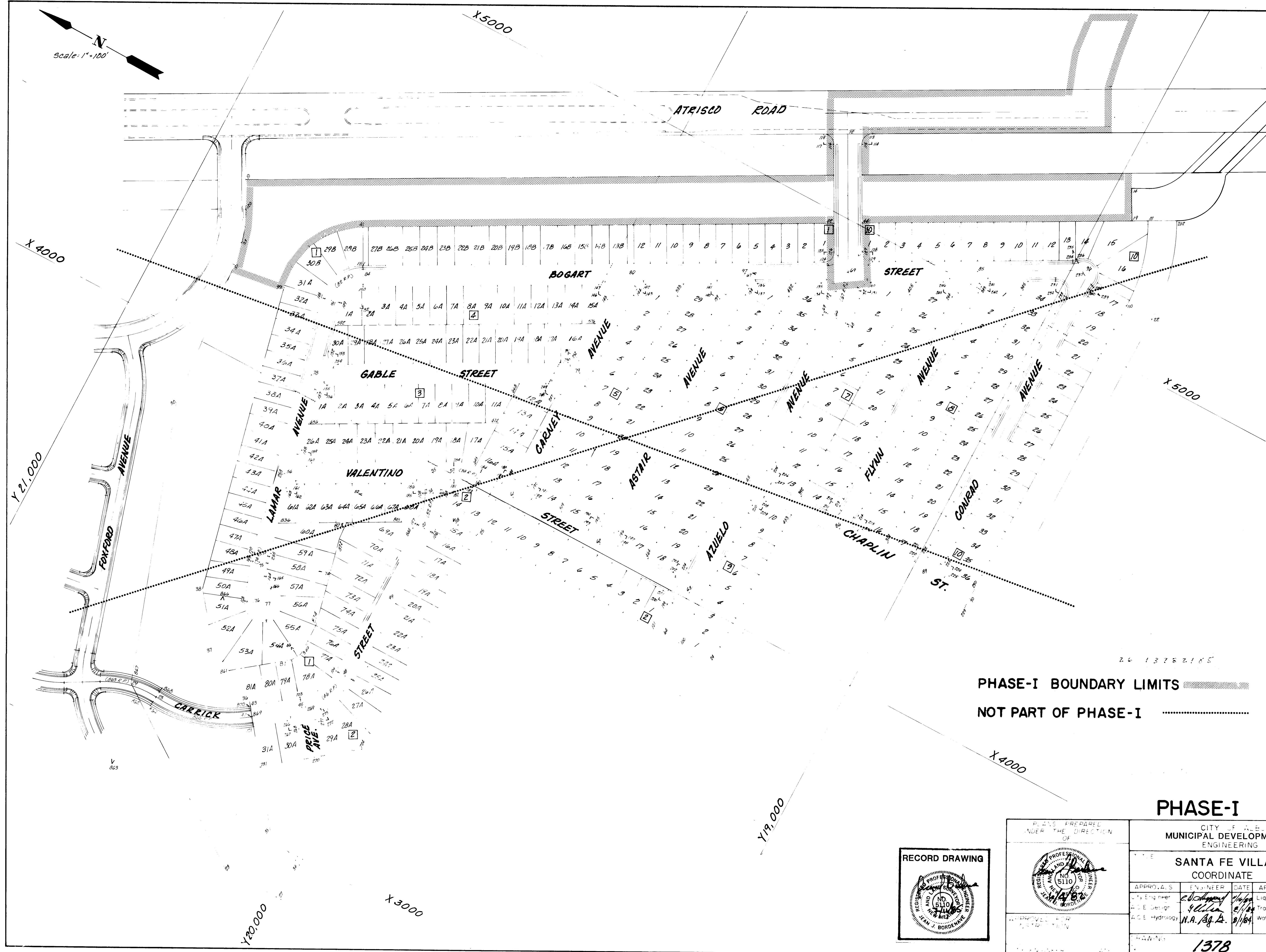
Design according to A.A.S.H.O. Specifications, 1957
Live Load: H20-S16-44 & Interstate Alternate Loading.
Weight of Fill on top of box: 84#/cu. ft.
Horizontal Earth Pressure = 30%/cu.ft., 2 ft. surcharge.
Design Stresses $f_c = 3000$ p.s.i., $f_t = 1200$ p.s.i.
 $f_s = 20000$ p.s.i., $n = 10$.



~~This information belongs in the Reproduction Section title. Please refer~~



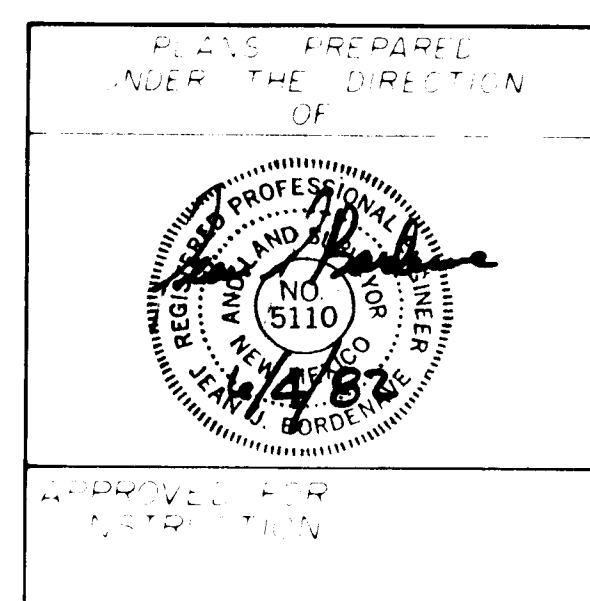
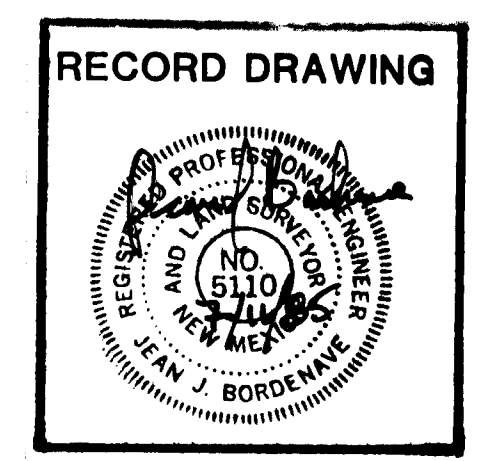
Scale: 1"=100'



PHASE-I BOUNDARY LIMITS

NOT PART OF PHASE-I

PHASE-I



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
SANTA FE VILLAGE UNIT 1 COORDINATE LAYOUT SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Adam Hamlyn, Anderson</i>	1/4/84	Liquid Waste	<i>R. Pina</i>	8/1/84
ACE Design	<i>Adam Hamlyn, Anderson</i>	8/1/84	Traffic	<i>N.A. Ag. L.</i>	8/1/84
ACE Hydrology	<i>N.A. Ag. L.</i>	8/1/84	Water	<i>R. Pina</i>	8/1/84
DRAWING			SHEET 46 OF 47		
1378			21 of 22		

BENCH MARKS		AS BUILT INFORMATION	
ACS 16-E10	Elev. 5194.777		
A square chiseled on top of conc. curb at the East North East curb return of Atrisco Rd. and Flor Del Sol Place N.W.		MICRO-FILM INFORMATION	

REVISIONS		BY	
NO.	DATE		
1			
2			

Adam, Hamlyn, Anderson
Consulting Engineers, Inc.
4055 Montgomery Blvd. N.E.
Albuquerque, New Mexico 87109 Ph. 881-1808

2.6 1.3782285

PHASE-I

PLANS PREPARED UNDER THE DIRECTION OF	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="6" style="text-align: center; padding: 10px;"> TITLE SANTA FE VILLAGE UNIT-1 COORDINATES </th> </tr> <tr> <th style="width: 16.6%;">APPROVALS</th> <th style="width: 16.6%;">ENGINEER</th> <th style="width: 16.6%;">DATE</th> <th style="width: 16.6%;">APPROVALS</th> <th style="width: 16.6%;">ENGINEER</th> <th style="width: 16.6%;">DATE</th> </tr> <tr> <td>City Engineer</td> <td><i>[Signature]</i></td> <td>7/1/68</td> <td>Liquid Waste</td> <td>N.A. R. Poma</td> <td>8/1/68</td> </tr> <tr> <td>A.C.E. Design</td> <td><i>[Signature]</i></td> <td>8/1/68</td> <td>Traffic</td> <td>N.A. Dwyer</td> <td>8/1/68</td> </tr> <tr> <td>A.C.E. Hydrology</td> <td>N.A. B.G.A.</td> <td>8/1/68</td> <td>Water</td> <td>N.A. R. Poma</td> <td>8/1/68</td> </tr> </table>	TITLE SANTA FE VILLAGE UNIT-1 COORDINATES						APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>[Signature]</i>	7/1/68	Liquid Waste	N.A. R. Poma	8/1/68	A.C.E. Design	<i>[Signature]</i>	8/1/68	Traffic	N.A. Dwyer	8/1/68	A.C.E. Hydrology	N.A. B.G.A.	8/1/68	Water	N.A. R. Poma	8/1/68
TITLE SANTA FE VILLAGE UNIT-1 COORDINATES																															
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																										
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A.C.E. Hydrology	N.A. B.G.A.	8/1/68	Water	N.A. R. Poma	8/1/68																										
APPROVED FOR CONSTRUCTION	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 75%; padding: 5px;"> DRAWING NO. 1378 </td> <td style="width: 25%; padding: 5px;"> SHEET 47 OF 47 </td> </tr> <tr> <td style="padding: 5px;"> CITY ENGINEER </td> <td style="padding: 5px;"> DATE </td> </tr> </table>	DRAWING NO. 1378	SHEET 47 OF 47	CITY ENGINEER	DATE																										
DRAWING NO. 1378	SHEET 47 OF 47																														
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