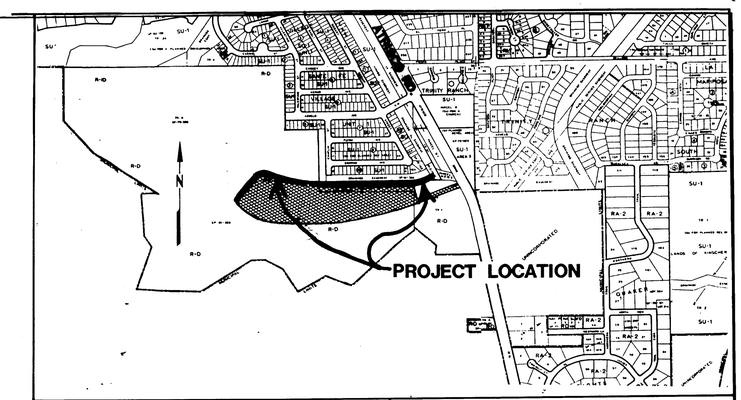
CONSTRUCTION PLANS FOR

SANTA FE VILLAGE - UNIT III

PHASE I

SOUTH BRANCH OF SAN ANTONIO ARROYO



VICINITY MAP
SCALE: 1" = 800 ±

MAP NO. E-10,11
F-10,11

DRAWING INDEX

SHEET TITLE	SHEET NO.
COVER SHEET	1
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CHANNEL PLAN & PROFILE - EAST	5
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BOX CULVERTS	7-9
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GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1985 (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS)

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERIVCE, 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.

4. ALL UTILITIES AND UTILITY SERVICE LINES INCLUDED IN THIS CONTRACT SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF BOGART STREET AND VULCAN PARKWAY BOX CULVERTS.

5. ALL STATIONING IS AT CENTER LINE OF CHANNEL UNLESS NOTED OTHERWISE.

6. ALL WORK SHALL BE DONE BY QUALIFIED PERSONNEL IN AN APPROVED STANDARD OF PRACTICE.

7. THE COST OF ADDITIONAL DESIGN WORK DUE TO ERRORS AND OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.

8. VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.

9. VERIFY IN FIELD ALL EXISTING CONDITIONS SHOWN ON DRAWINGS.

10. ALL UTILITIES SHOWN AND ANY OTHER UTILITIES THAT ARE NOT SHOWN ON THE PLANS BUT ARE WITHIN THE CONSTRUCTION AREA SHALL BE LOCATED, IDENTIFIED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION BY THE CONTRACTOR.

WATER

1. NEW WATER MAINS SHALL BE CITY OF ALBUQUERQUE APPROVED 8-INCH PVC PIPE.

SEWER

1. ALL SEWER LINES SHALL BE CERTAINTEED FLUID-TITE PVC GRAVITY SEWER PIPE OR EQUAL.

2. ALL NEW MANHOLES SHALL BE TYPE "E", 4-FEET IN DIAMETER AS PER CITY STANDARD DRAWING S-2, EXCEPT WHERE NOTED.

26 27140187

REV.	SHEETS	CITY ENGR.	DATE		DATE		DATE

APPROVAL OF REVISIONS

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
7-28-87

4/30/86

PREPARED BY:
RESOURCE TECHNOLOGY INCORPORATED

PROJECT NO. 2794

APPROVED FOR CONSTRUCTION
for JWH 8/15/86 C.E.

SHEET 1 OF 15

SANTA FE VILLAGE, UNIT III

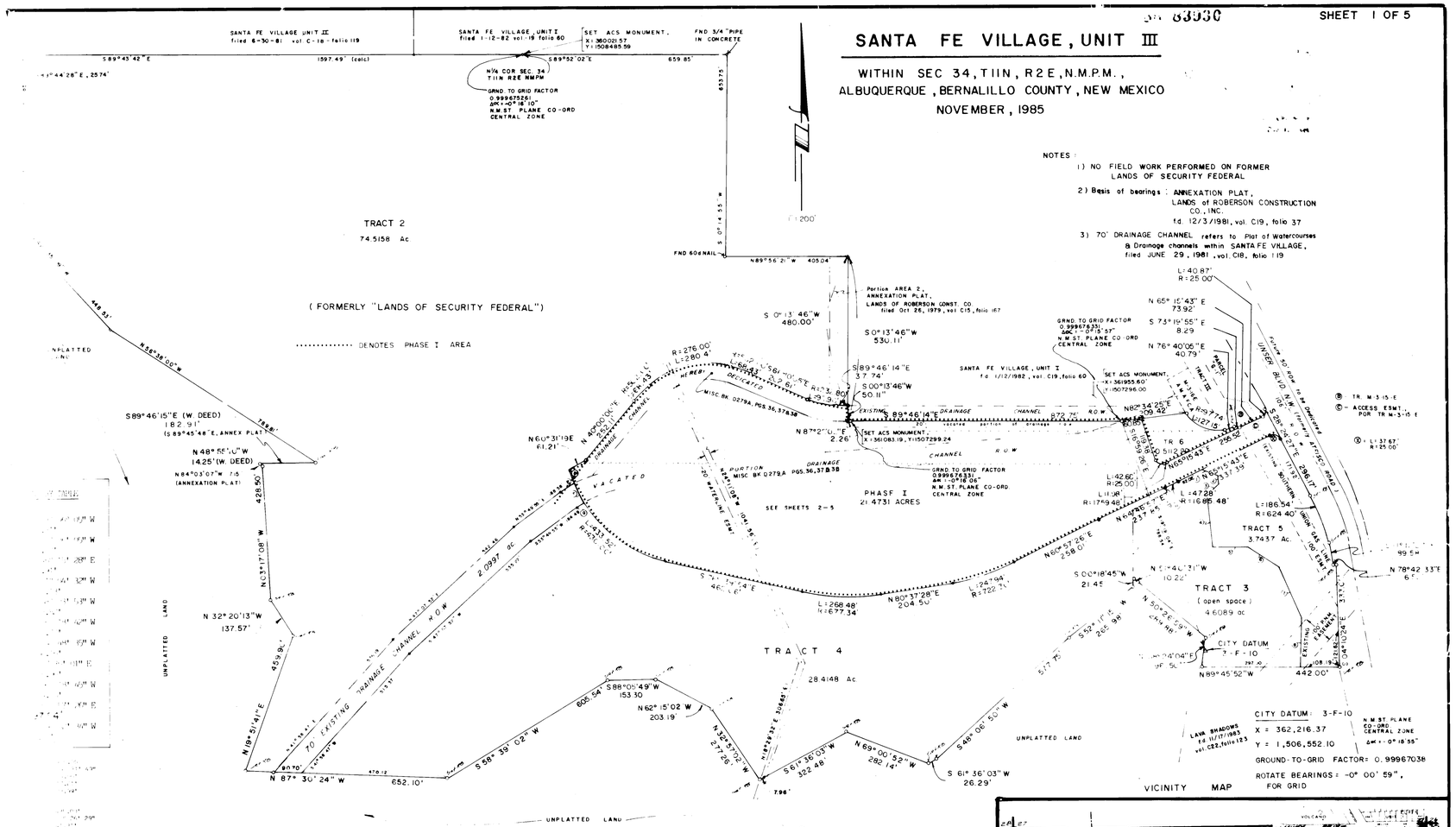
WITHIN SEC 34, T11N, R2E, N.M.P.M.,
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1985

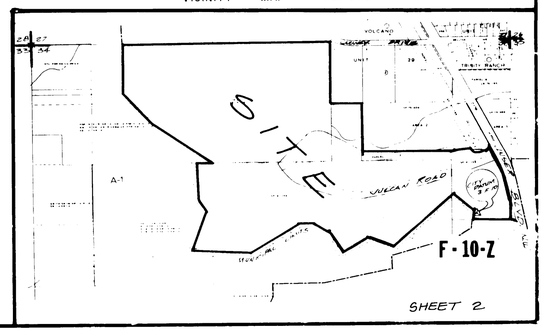
NOTES:

1) NO FIELD WORK PERFORMED ON FORMER LANDS OF SECURITY FEDERAL

2) Basis of bearings: ANNEXATION PLAT, LANDS of ROBERSON CONSTRUCTION CO., INC. f.d. 12/3/1981, vol. C19, folio 37

3) 70' DRAINAGE CHANNEL refers to Plat of Watercourses & Drainage channels within SANTA FE VILLAGE, filed JUNE 29, 1981, vol. C18, folio 119





LEGAL DESCRIPTION

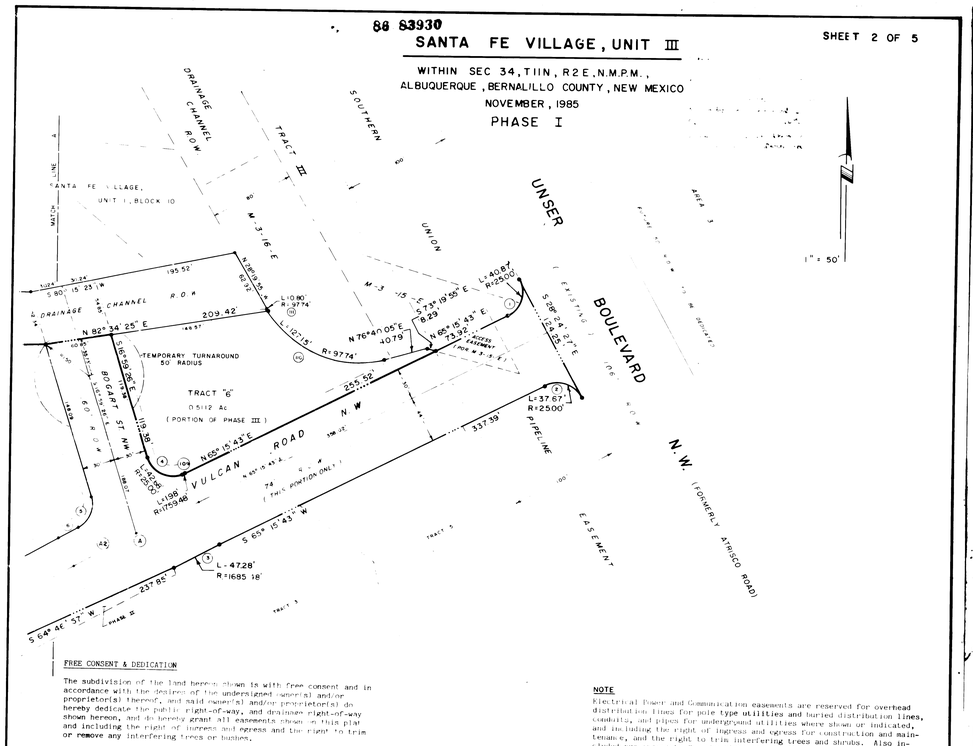
A parcel of land situate within Section 34, T11N, R2E, N.M.P.M., Bernalillo County, New Mexico, and being more particularly described as follows: BEGINNING at a corner on the Southeasterly end of the tract herein described, whence the Albuquerque City Datum brass tablet 3-F-10 with New Mexico State Plane Coordinates X = 362,216.37, Y = 1,506,522.10 bears N 08° 43' 04" E, 56.81 feet distant; thence, N 08° 24' 04" E, 96.50 feet; thence, N 50° 26' 59" W, 289.88 feet; thence, N 51° 40' 31" W, 10.22 feet; thence, S 00° 18' 45" W, 21.45 feet; thence, S 52° 11' 15" W, 265.98 feet; thence, S 48° 06' 50" W, 577.75 feet; thence, S 61° 36' 03" W, 26.29 feet; thence, N 69° 00' 52" W, 282.14 feet; thence, S 61° 36' 03" W, 322.48 feet; thence, N 32° 57' 02" W, 277.26 feet; thence, N 62° 15' 02" W, 203.19 feet; thence, S 88° 05' 49" W, 153.30 feet; thence, S 58° 39' 02" W, 605.54 feet; thence, N 87° 30' 24" W, 652.10 feet to the Southwest corner; thence, N 19° 51' 41" E, 459.90 feet; thence, N 32° 20' 13" W, 137.57 feet; thence, N 03° 17' 08" W, 428.50 feet; thence, N 48° 55' 10" W, 14.25 feet; thence, S 89° 46' 15" E, 182.91 feet; thence, N 56° 38' 00" W, 789.81 feet; thence, N 42°35' 09" W, 448.53 feet; thence, N 00° 17' 46" E, 560.85 feet to the Northwest corner and a point on the Northerly line of Section 34, T11N, R2E, N.M.P.M.; thence along said Section 34, S 89° 44' 28" E, 25.74 feet; thence, **S 89° 43' 42" E, 1597.49 feet**, to the North quarter (N¼) corner of said Section 34; thence, **S89°52'02"E** 659.85 feet; thence leaving Northerly line of said Section 34, **S 00° 14' 55" W** **653.75** feet; thence, **S 89° 56' 21" E,** **405.04** feet; thence, S 00° 13' 46" W, 530.11 feet; thence, N 87° 22' 02" E, 2.26 feet; thence, S 89° 46' 14" E, 872.75 feet; thence, N 82° 34' 25" E, 209.42 feet; thence, Southeasterly along a curve to the left with a chord bearing of S 66° 03' 55" E, and a chord distance of 118.37 feet, having a radius of 97.74 feet and an arc length of 127.15 feet to a point of tangency; thence, N 76° 40' 05" E, 40.79 feet; thence, S 73° 19' 55" E, 8.29 feet; thence, N 65° 15' 43" E, 73.92 feet to a point of curve; thence, Northeasterly along a curve to the left having a radius of 25.00 feet and an arc length of 40.87 feet to the Northeast corner; thence, S 28° 24' 27" E, 296.17 feet to a point of curve; thence, Southeasterly along a curve to the right having a radius of 624.40 feet, and an arc length of 186.54 feet to a point of tangency; thence, S 112 12'27" E, 89.58 feet; thence, N 78° 42' 33" E, 6.52 feet; thence, S 04° 10' 24" E, 333.02 feet to the Southeast corner; thence, N 89° 45' 52" W, 442.00 feet to the point of beginning, and containing **13.4367** acres, more or less.

86 83930

SANTA FE VILLAGE, UNIT III

SHEET 2 OF 5

WITHIN SEC 34, T11N, R2E, N.M.P.M.,
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1985
PHASE I



FREE CONSENT & DEDICATION

The subdivision of the land hereon shown 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 public right-of-way, and drainage right-of-way shown hereon, and do hereby grant all easements shown on this plat and including the right of ingress and egress and the right to trim or remove any interfering trees or bushes.

Coda C Robinson — 1-27-86
OWNER(S) Coda C. Robinson — DATE

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

The foregoing instrument was acknowledged before me this 24th day of January, 19 86, BY: Coda C. Robinson

My Commission Expires: 5-8-87
Notary Public: Muriel H. Spears

CITY/COUNTY APPROVALS

Property Management	8-19-86 Date
City Surveyor	120786 Date
City Water Resources	8/19/86 Date
City Engineer	8/19/86 Date
A.M.A.F.C.A.	8/19/86 Date
Traffic Engineer	8-19-86 Date
Parks & Recreation	8-25-86 Date
City Planning Director — S.P. No.	9-4-86 Date

Surveyor's Certification

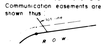
"I, Franklin E. Wilson, do hereby certify that I am a registered Land Surveyor under the laws of the State of New Mexico, and that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance and is true and correct to the best of knowledge and belief.

Franklin E. Wilson, New Mexico License No. 5985
Southeast Surveying Co., Inc., 333 Lomas NE Albuquerque, N.M. 87102 (505) 247-4444 — 11/8/85 Date

Comments: set are 1/2" rebar w/cap stamped "F.E. Wilson 5985".
All bearings are grid, all distances are ground.

P.N.M., G.M.S.T. & T.

NOTE Electrical Power and Communication easements are shown thus



are 10' in width on VULCAN ROAD & 7' in width on all remaining streets, drives, courts, & places

CENTERLINE MONUMENTATION PLAN
for
SANTA FE VILLAGE UNIT III
Albuquerque, Bernalillo County, New Mexico

Centerline monumentation to be installed at all centerline BC's, EC's, Angle points and Street intersections on both public and private streets. Prior to acceptance of subdivision street improvements, will consist of a five-inch (5") aluminum alloy cap attached to a vertical aluminum rod which is driven directly into the paving. The rod shall extend approximately two-thirds (2/3) the depth of the asphaltic pavement. The cap shall be stamped "CLIP IN ALBUQUERQUE, BERNALILLO COUNTY, AMAFCA" "Survey Marker", "No Rod Driver", "DO NOT DISTURB". The centerline monumentation is to be set in conformance with the standards and specifications for Class I surveys, under the supervision of a New Mexico Registered Land Surveyor.

Robinson Operating Co.
By: Coda Robinson
Title: President
Date: 1-27-86

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 28 day of March, 19 86.
BY: Franklin E. Wilson
My Commission Expires: 7-8-87
Notary Public: Muriel H. Spears

NOTE

Electrical Power and Communication easements are reserved for overhead distribution lines for pole type utilities and buried distribution lines, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Also included are easements for the right to install power and communication service lines along side lot lines.

NOTE ON EASEMENTS:

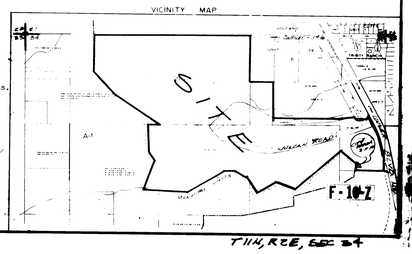
These easements shall include minimum working space requirements for single and three-phase transformers. See Public Service Company of New Mexico (PNM) Distribution Standard Drawing DS-7-16.2 for details.

Franklin E. Wilson — 4-1-86
GAS COMPANY OF NEW MEXICO — DATE

John Myers — 3-27-86
PUBLIC SERVICE COMPANY OF NEW MEXICO — DATE

Wayne Hensing — 3-3-86
MOUNTAIN BELL — DATE

VICINITY MAP



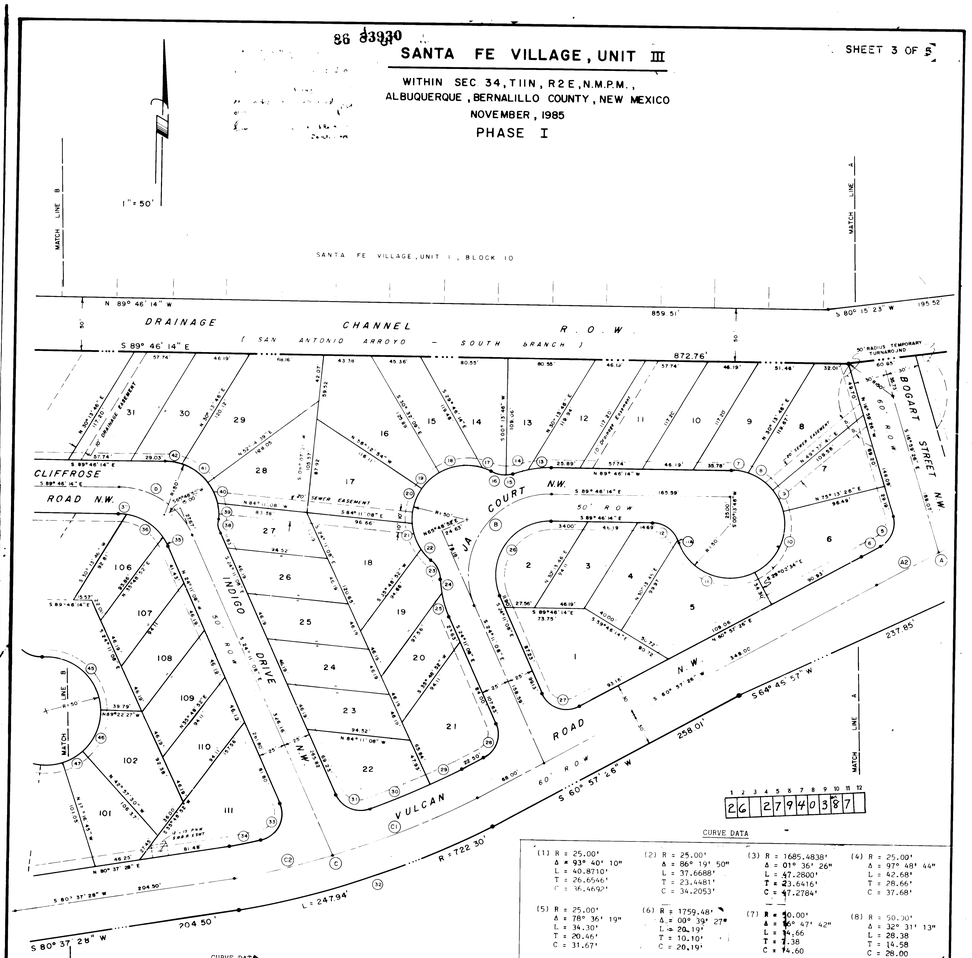
T11N, R2E, SEC 34

86 83930

SANTA FE VILLAGE, UNIT III

SHEET 3 OF 5

WITHIN SEC 34, T11N, R2E, N.M.P.M.,
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1985
PHASE I



CURVE DATA

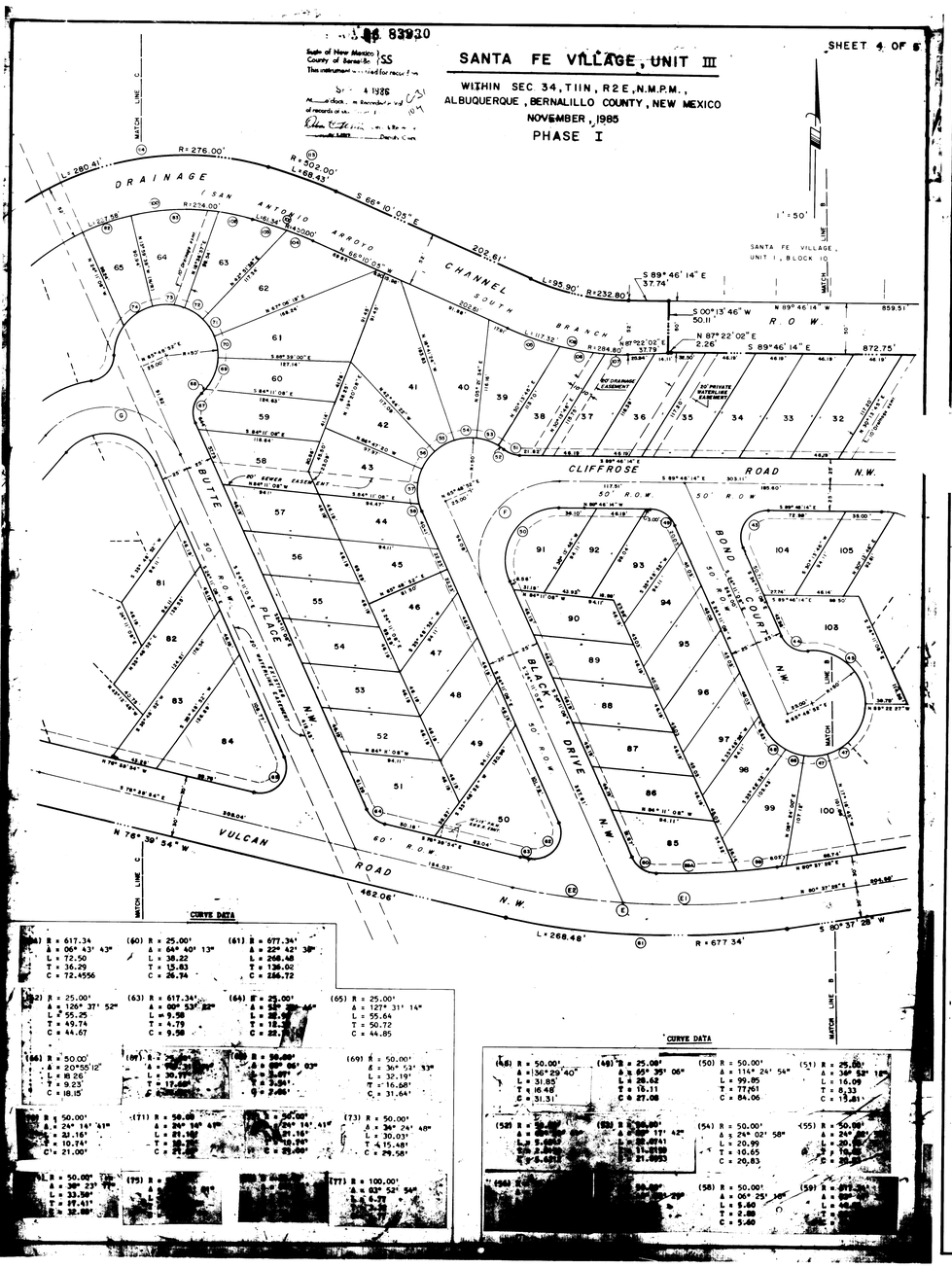
(1) R = 25.00' Δ = 93° 40' 10" L = 40.8710' T = 26.6546' C = 36.4690'	(2) R = 25.00' Δ = 86° 19' 50" L = 37.6688' T = 23.4481' C = 34.2053'	(3) R = 1685.4838' Δ = 01° 36' 26" L = 47.2800' T = 23.6416' C = 47.2784'	(4) R = 25.00' Δ = 97° 48' 44" L = 42.68' T = 28.66' C = 37.68'
(5) R = 25.00' Δ = 78° 36' 19" L = 34.30' T = 20.44' C = 31.67'	(6) R = 1759.48' Δ = 00° 39' 27" L = 20.19' T = 10.10' C = 20.19'	(7) R = 50.00' Δ = 96° 47' 42" L = 84.66 T = 7.38 C = 74.60	(8) R = 50.00' Δ = 32° 31' 13" L = 28.38 T = 14.58 C = 28.00
(9) R = 50.00' Δ = 25° 40' 45" L = 22.41 T = 11.39 C = 22.22	(10) R = 50.00' Δ = 75° 44' 00" L = 66.09' T = 38.88' C = 61.38'	(11) R = 50.00' Δ = 99° 48' 04" L = 87.09' T = 59.38' C = 76.49'	(11A) R = 25.00' Δ = 04° 17' 37" L = 1.87' T = 0.94' C = 1.87'
(12) R = 25.00' Δ = 66° 14' 07" L = 28.90' T = 16.31' C = 27.32'	(13) R = 100.00' Δ = 12° 30' 50" L = 21.84 T = 10.96 C = 21.80	(14) R = 100.00' Δ = 08° 01' 32" L = 14.01 T = 7.02 C = 14.00	15) R = 25.00' Δ = 16° 50' 12" L = 7.35 T = 3.70 C = 7.32
(16) R = 25.00' Δ = 30° 56' 16" L = 13.50 T = 6.92 C = 13.34	(17) R = 50.00' Δ = 09° 37' 06" L = 8.39 T = 4.21 C = 8.38	(18) R = 50.00' Δ = 48° 22' 55" L = 42.22 T = 22.46 C = 40.98	(19) R = 50.00' Δ = 25° 40' 45" L = 22.41 T = 11.40 C = 22.22
(20) R = 50.00' Δ = 39° 30' 16" L = 34.47 T = 17.96 C = 33.80	(21) R = 50.00' Δ = 29° 01' 15" L = 25.33 T = 12.94 C = 25.06	(22) R = 50.00' Δ = 16° 40' 49" L = 14.56 T = 7.33 C = 14.50	(23) R = 25.00' Δ = 47° 46' 28" L = 20.85 T = 11.07 C = 20.25
(24) R = 100.00' Δ = 06° 29' 04" L = 11.32 T = 5.66 C = 11.31'	(25) R = 100.00' Δ = 14° 03' 18" L = 24.53 T = 12.33 C = 24.47	(26) R = 50.00' Δ = 114°24'54" L = 99.85 T = 77.61' C = 84.06'	(27) R = 25.00' Δ = 94° 51' 26" L = 41.39 T = 27.21 C = 36.82

SHEET 3

SANTA FE VILLAGE, UNIT III

WITHIN SEC. 34, T11N, R2E, N.M.P.M.,
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1985
PHASE I

SHEET 4 OF 6



CURVE DATA

(60) R = 25.00' Δ = 64° 40' 13" L = 28.22 T = 15.83 C = 26.74	(61) R = 677.34' Δ = 22° 42' 38" L = 268.48 T = 135.02 C = 266.72		
(63) R = 617.34' Δ = 00° 53' 22" L = 9.58 T = 4.79 C = 9.58	(64) R = 25.00' Δ = 52° 28' 46" L = 22.9 T = 12.3 C = 22.1	(65) R = 25.00' Δ = 127° 31' 14" L = 55.64 T = 50.72 C = 44.85	
(68) R = 50.00' Δ = 20°55'12" L = 18.26' T = 9.23 C = 18.15'	(69) R = 50.00' Δ = 36° 53' 33" L = 32.19' T = 16.68' C = 31.64'		
(70) R = 50.00' Δ = 24° 14' 41" L = 23.16' T = 10.74' C = 21.00'	(71) R = 50.00' Δ = 24° 14' 41" L = 21.16' T = 10.74' C = 21.00'	(72) R = 50.00' Δ = 24° 14' 41" L = 21.16' T = 10.74' C = 21.00'	(73) R = 50.00' Δ = 34° 24' 48" L = 30.03' T = 15.48' C = 29.58'
(74) R = 50.00' Δ = 38° 23' 11" L = 33.50' T = 17.41' C = 32.88'	(75) R = [illegible]	(76) R = [illegible]	(77) R = 100.00' Δ = 03° 52' 54" L = 6.77 T = 3.39 C = 6.77

CURVE DATA

(48) R = 50.00' Δ = 136° 29' 40" L = 31.85 T = 16.48' C = 31.31'	(49) R = 25.00' Δ = 60° 35' 06" L = 26.62 T = 15.11 C = 25.08	(50) R = 50.00' Δ = 114° 24' 54" L = 99.85 T = 77.61 C = 84.06	(51) R = 25.00' Δ = 34° 53' 18" L = 16.09 T = 8.33 C = 15.84'
(52) R = 50.00' Δ = [illegible] L = 5.60 T = 2.80 C = 5.60	(53) R = 25.00' Δ = 24° 02' 17" L = 20.9841 T = 11.2130 C = 21.0053	(54) R = 50.00' Δ = 24° 02' 58" L = 20.99 T = 10.65 C = 20.83	(55) R = 50.00' Δ = 24° [illegible] L = 20.99 T = 10.65 C = 20.83
(56) R = [illegible]		(58) R = 50.00' Δ = 06° 25' 10" L = 5.60 T = 2.80 C = 5.60	(59) R = 675.34' Δ = 02° [illegible] L = 42.00 T = 21.00 C = 42.00

SANTA FE VILLAGE, UNIT III

WITHIN SEC. 34, T11N, R2E, N.M.P.M.,
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1985
PHASE I

State of New Mexico
County of Bernalillo } SS
This instrument was filed for record on
SEP 4 1986
At ___ o'clock ___ m. Recorded in Vol. ___ of records of said County Folio ___
Clerk & Recorder
Deputy Clerk

1" = 50'

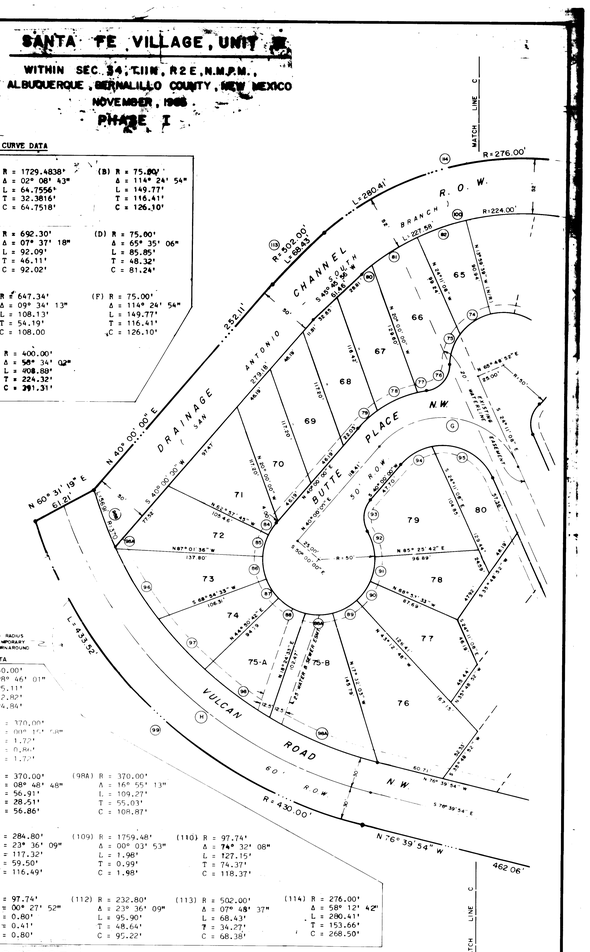
ROAD CENTERLINE CURVE DATA

(A) R = 1729.4838' Δ = 04° 18' 17" L = 129.9388' T = 65.00' C = 129.9083'	(A1) R = 1729.4838' Δ = 02° 09' 34" L = 65.1832' T = 32.5955' C = 65.1794'	(A2) R = 1729.4838' Δ = 02° 08' 43" L = 64.7556' T = 32.3816' C = 64.7518'	(B) R = 75.00' Δ = 114° 24' 54" L = 149.77' T = 116.41' C = 126.10'
(C) R = 692.30' Δ = 19° 40' 02" L = 237.64' T = 120.00' C = 236.47'	(C1) R = 692.30' Δ = 12° 02' 44" L = 145.55' T = 73.04' C = 145.28'	(C2) R = 692.30' Δ = 07° 37' 18" L = 92.09' T = 46.11' C = 92.02'	(D) R = 75.00' Δ = 65° 35' 06" L = 85.85' T = 48.32' C = 81.24'
(E) R = 647.34' Δ = 22° 42' 38" L = 256.59' T = 130.00' C = 254.91'	(E1) R = 647.34' Δ = 13° 08' 25" L = 148.46' T = 74.56' C = 148.14'	(E2) R = 647.34' Δ = 09° 34' 13" L = 108.13' T = 54.19' C = 108.00	(F) R = 75.00' Δ = 114° 24' 54" L = 149.77' T = 116.41' C = 126.10'
		(G) R = 75.00' Δ = 115° 48' 52" L = 151.60' T = 119.59' C = 127.08	(H) R = 400.00' Δ = 56° 34' 02" L = 408.88' T = 224.32' C = 391.31'

LASON 1-505-344-9404
BEST COPY AVAILABLE

Lot #	Acreage	Lot #	Acreage	Lot #	Acreage
1	0.1922 ac.	26	0.0864 ac.	51	0.1258 ac.
2	0.0984 ac.	27	0.0829 ac.	52	0.0894 ac.
3	0.0864 ac.	28	0.1299 ac.	53	0.0894 ac.
4	0.0933 ac.	29	0.1781 ac.	54	0.0894 ac.
5	0.1731 ac.	30	0.1162 ac.	55	0.0894 ac.
6	0.1706 ac.	31	0.1345 ac.	56	0.0894 ac.
7	0.1034 ac.	32	0.1076 ac.	57	0.1296 ac.
8	0.1386 ac.	33	0.1076 ac.	58	0.1165 ac.
9	0.1201 ac.	34	0.1076 ac.	59	0.1167 ac.
10	0.1076 ac.	35	0.1076 ac.	60	0.1006 ac.
11	0.1345 ac.	36	0.1075 ac.	61	0.1773 ac.
12	0.1287 ac.	37	0.1061 ac.	62	0.1606 ac.
13	0.1221 ac.	38	0.1074 ac.	63	0.1071 ac.
14	0.1222 ac.	39	0.1054 ac.	64	0.1112 ac.
15	0.1051 ac.	40	0.1542 ac.	65	0.0878 ac.
16	0.1618 ac.	41	0.1718 ac.	66	0.1421 ac.
17	0.1384 ac.	42	0.1036 ac.	67	0.1120 ac.
18	0.1379 ac.	43	0.1131 ac.	68	0.1068 ac.
19	0.0917 ac.	44	0.0864 ac.	69	0.1076 ac.
20	0.0869 ac.	45	0.0856 ac.	70	0.1076 ac.
21	0.1598 ac.	46	0.0856 ac.	71	0.1317 ac.
22	0.1302 ac.	47	0.0894 ac.	72	0.1260 ac.
23	0.0864 ac.	48	0.0894 ac.	73	0.1278 ac.
24	0.0864 ac.	49	0.0894 ac.	74	0.0952 ac.
25	0.0864 ac.	50	0.1854 ac.	75A	0.1144 ac.
				75B	0.1742 ac.

Lot #	Acreage	Lot #	Acreage
76	0.2323 ac.	94	0.0843 ac.
77	0.1288 ac.	95	0.0843 ac.
78	0.0995 ac.	96	0.0843 ac.
79	0.1573 ac.	97	0.0843 ac.
80	0.0969 ac.	98	0.0870 ac.
81	0.0894 ac.	99	0.1222 ac.
82	0.1211 ac.	100	0.1052 ac.
83	0.1439 ac.	101	0.1149 ac.
84	0.2039 ac.	102	0.1266 ac.
85	0.1149 ac.	103	0.1542 ac.
86	0.0864 ac.	104	0.1383 ac.
87	0.0864 ac.	105	0.0863 ac.
88	0.0864 ac.	106	0.0765 ac.
89	0.0864 ac.	107	0.0896 ac.
90	0.0864 ac.	108	0.0896 ac.
91	0.1013 ac.	109	0.0896 ac.
92	0.0887 ac.	110	0.0896 ac.
93	0.0941 ac.	111	0.1739 ac.



CURVE DATA

(88A) R = 50.00' Δ = 28° 46' 01" L = 25.11' T = 12.82' C = 24.86'			
(96A) R = 370.00' Δ = 00° 15' 08" L = 1.77' T = 0.86' C = 1.77'			
(96B) R = 370.00' Δ = 08° 48' 48" L = 56.91' T = 28.51' C = 56.86'	(98A) R = 370.00' Δ = 16° 55' 13" L = 109.27' T = 55.03' C = 108.87'		
(108) R = 284.80' Δ = 23° 36' 09" L = 117.32' T = 59.50' C = 116.49'	(109) R = 1759.48' Δ = 00° 03' 53" L = 1.98' T = 0.99' C = 1.98'	(110) R = 97.74' Δ = 74° 32' 08" L = 127.15' T = 74.37' C = 118.37'	
(111) R = 97.74' Δ = 00° 27' 52" L = 0.80' T = 0.41' C = 0.80'	(112) R = 232.80' Δ = 23° 36' 09" L = 95.90' T = 48.64' C = 95.22'	(113) R = 502.00' Δ = 07° 48' 37" L = 68.43' T = 34.27' C = 68.38'	(114) R = 276.00' Δ = 58° 12' 42" L = 280.41' T = 153.66' C = 268.50'

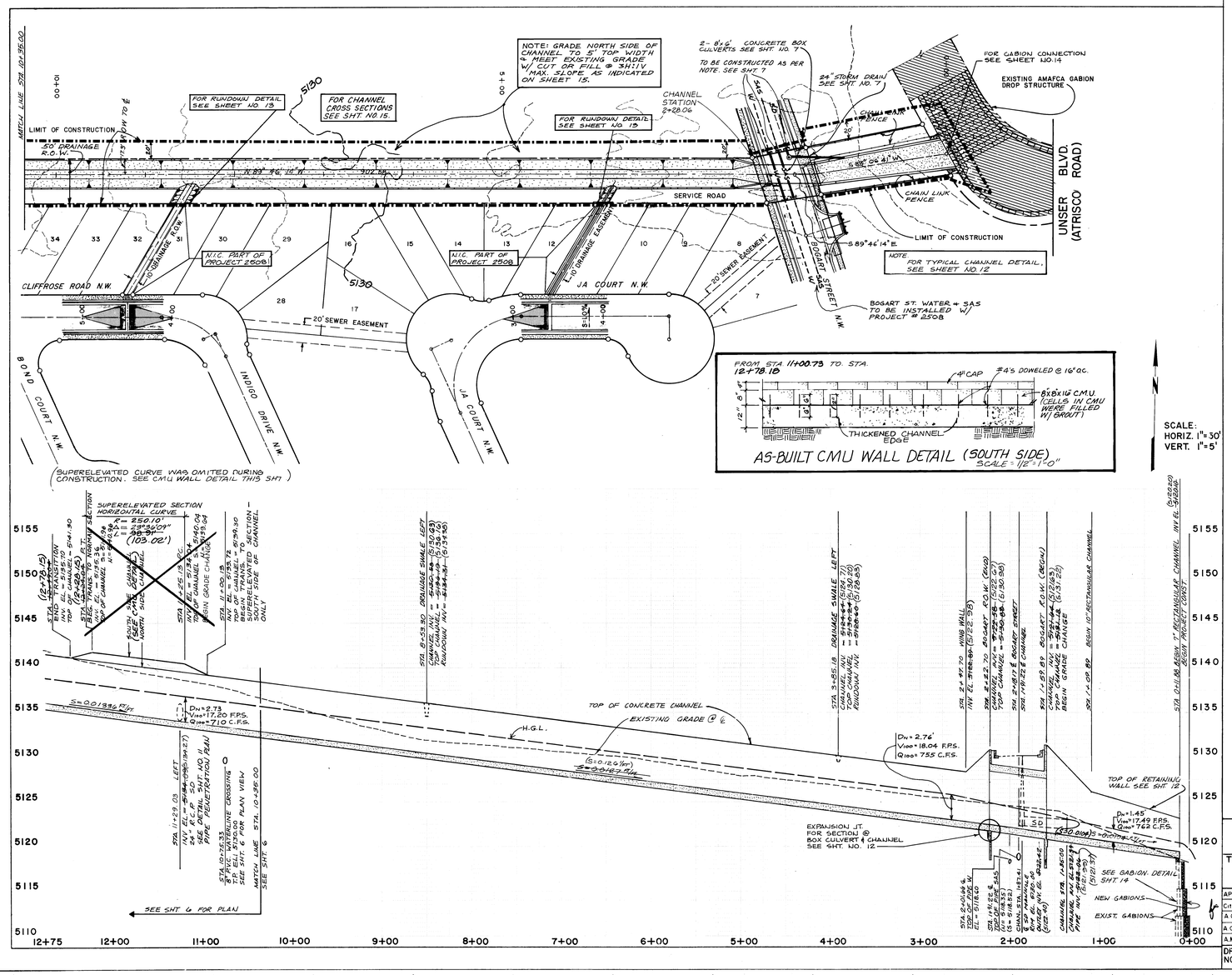
2G 27940487

CURVE DATA

(78) R = 100.00 Δ = 23° 10' 31" L = 40.45 T = 20.50 C = 40.17	(79) R = 100.00' Δ = 13° 05' 41" L = 22.8' T = 11.48 C = 22.80	(80) R = 224.00' Δ = 03° 44' 40" L = 14.64 T = 7.32' C = 14.64'	(81) R = 224.00' Δ = 12° 16' 08" L = 47.97' T = 24.08' C = 47.87'	(82) R = 224.00' Δ = 12° 26' 02" L = 48.61' T = 24.40' C = 48.52'
(84) R = 50.00' Δ = 12° 57' 45" L = 11.31 T = 5.68 C = 11.29	(85) R = 50.00' Δ = 25° 03' 51" L = 21.00' T = 10.66' C = 20.85'	(86) R = 50.00' Δ = 24° 03' 51" L = 21.00' T = 10.66' C = 20.85'	(87) R = 50.00' Δ = 24° 03' 51" L = 21.00' T = 10.66' C = 20.85'	
(90) R = 50.00' Δ = 25° 40' 45" L = 22.41 T = 11.40 C = 22.22	(91) R = 50.00' Δ = 25° 40' 45" L = 22.41 T = 11.40 C = 22.22	(92) R = 50.00' Δ = 25° 57' 26" L = 22.65 T = 11.52 C = 22.46	(93) R = 25.00' Δ = 70° 31' 44" L = 30.77 T = 17.68 C = 28.87	(94) R = 25.00' Δ = 37° 21' 05" L = 32.60 T = 16.90 C = 32.02
(96) R = 370.00' Δ = 12° 06' 41" L = 78.21' T = 39.25' C = 78.07'	(97) R = 370.00' Δ = 09° 53' 14" L = 63.85' T = 32.00' C = 63.77'	(98) R = 370.00' Δ = 11° 30' 20" L = 74.30' T = 37.28' C = 74.18'	(99) R = 430.00' Δ = 57° 45' 50" L = 433.52' T = 237.20' C = 415.39'	(100) R = 224.00' Δ = 58° 12' 42" L = 227.58' T = 124.71' C = 217.92'
(102) R = 224.00' Δ = 08° 22' 31" L = 32.74' T = 16.40' C = 32.71'	(103) R = 45.00' Δ = 04° 36' 52" L = 36.24' T = 18.13' C = 36.23'	(104) R = 450.00' Δ = 03° 11' L = 25.10' T = 12.55' C = 25.10'	(105) R = 284.80' Δ = 10° 47' 44" L = 53.66' T = 26.91' C = 53.58'	(106) R = 284.80' Δ = 08° 39' 31" L = 43.04' T = 21.56' C = 43.00'

(107) R = 284.80' Δ = 04° 08' 55" L = 20.62' T = 10.32' C = 20.62'

SHEET 4



26 27940587

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY B.S. DATE 2-86
DRAWN BY A.P. DATE 2-86
CHECKED BY E.D. DATE 2-86

ENGINEER'S SEAL

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

AS BUILT INFORMATION

CONSTRUCTION		
WORK STAKED BY		DATE
FIELD CHANGE BY		DATE
CONSTRUCTION BY		DATE
CONTRACTOR		DATE
MICRO FILM INFORMATION		
RECORDED BY		DATE
NO		

BENCH MARKS

CONTROL: BENCH MARK 7-F11, WHICH BEARS N 26° 09' 09" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-F11".

M.S.L. ELEVATION = 5116.57'

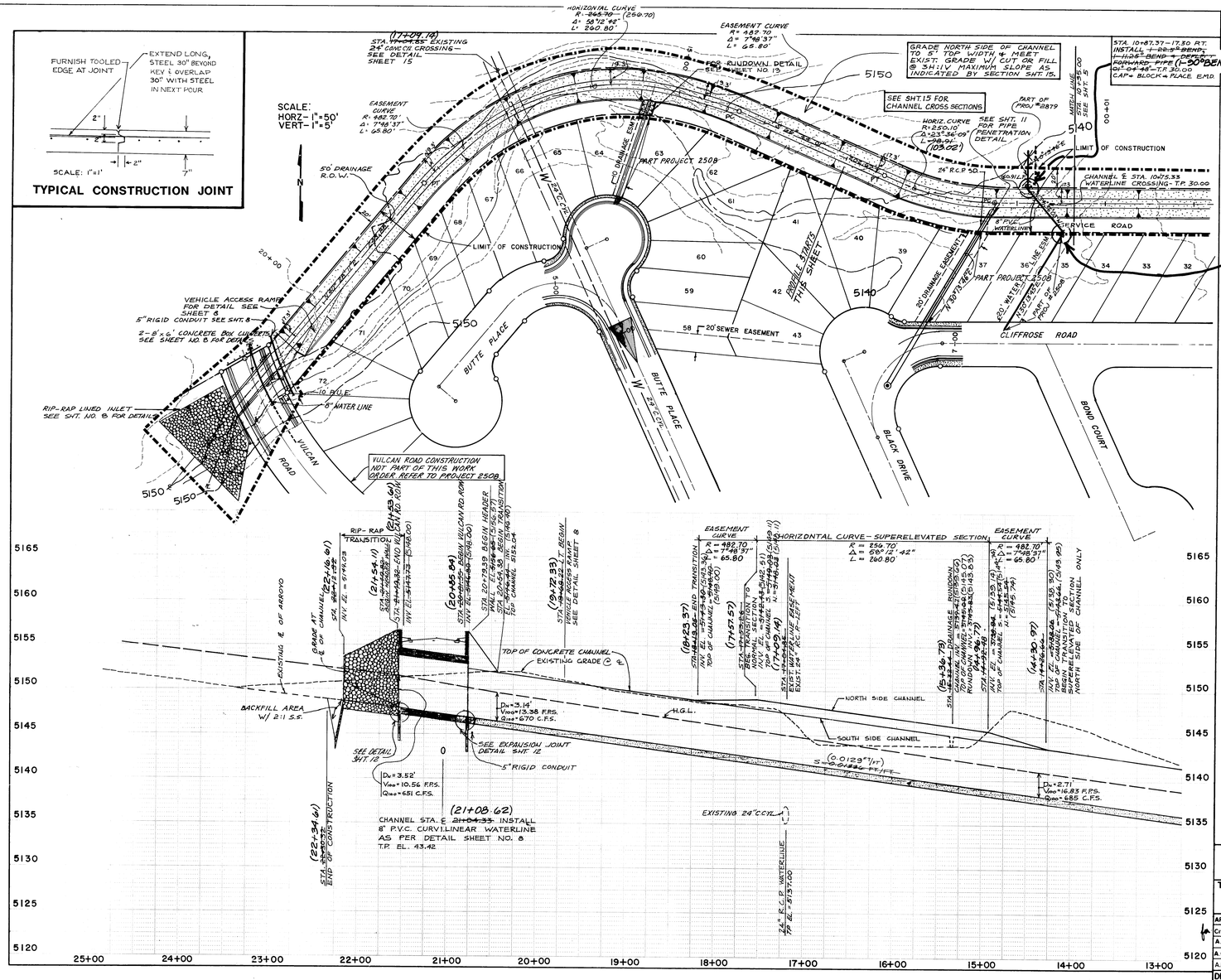
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT III PHASE I

CHANNEL EAST PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/27/86	Liquid Waste		5/14/86
A.C.E.-Design	" "	" "	Traffic		5/14/86
A.C.E.-Hydrology	" "	" "	Water		5/14/86
A.M.A.F.C.A.		17 June 86			

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	5	15



26 279 40 6 8 7

I, HUGO V. DINIZ CERTIFY THAT THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION.

AS BUILT INFORMATION

CONTRACTOR: PEARL BROS. PLACED BY: ACCEPTANCE BY: DATE
INSPECTION BY: DATE
CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

CONTROL: BENCH MARK 7-FH, WHICH BEARS N 26°09'08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD BRASS CAP STAMPED "7-FH".

M.S.L. ELEVATION-5116.57'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY R.S. DATE 2-86
DRAWN BY J.P. DATE 2-86
CHECKED BY E.D. DATE 2-86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

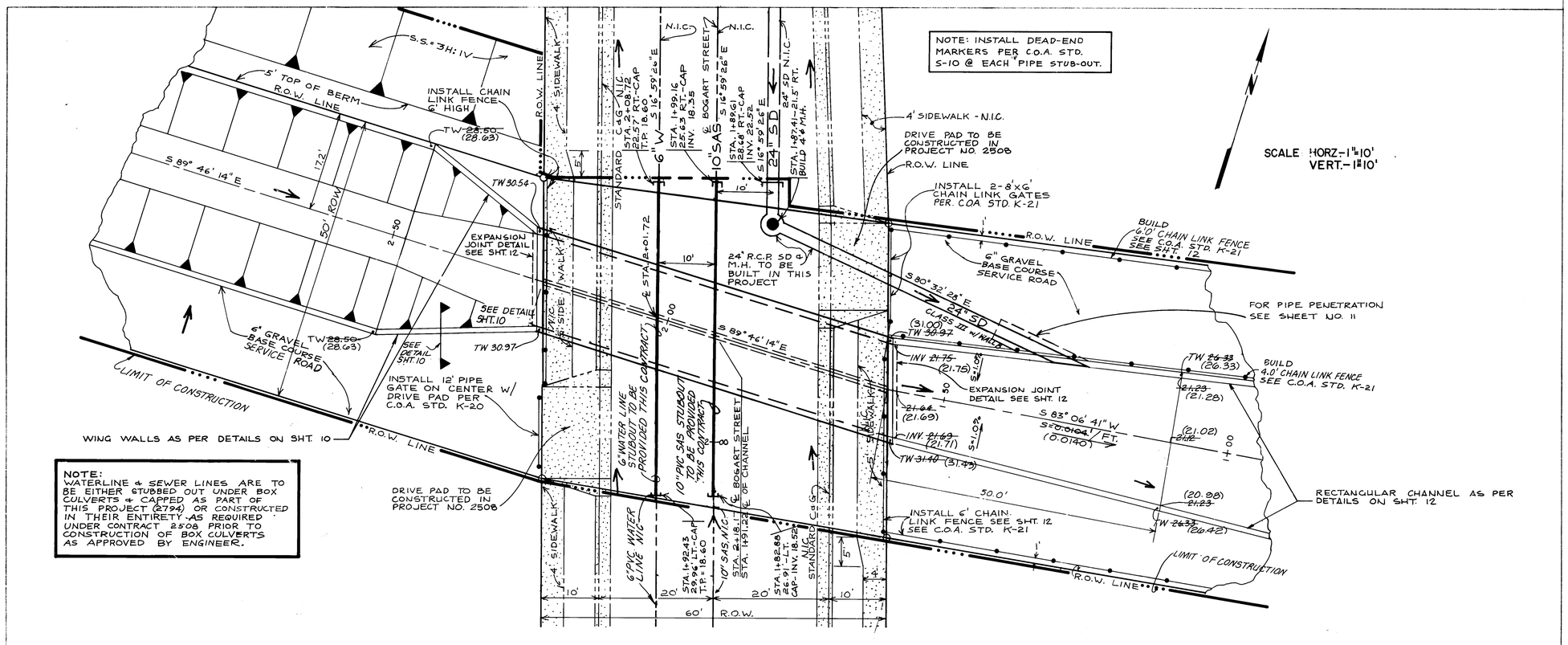
TITLE: SANTA FE VILLAGE UNIT III PHASE I

CHANNEL WEST PLAN AND PROFILE

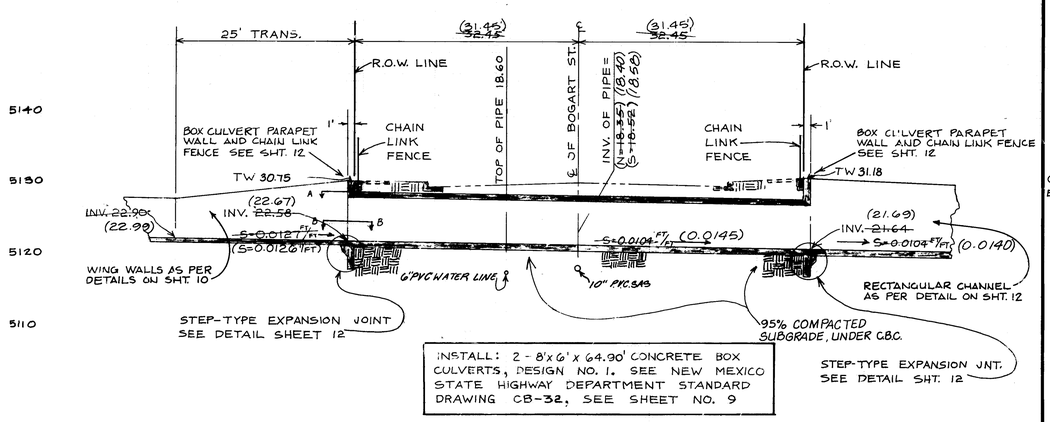
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/27/86	Liquid Waste		5/14/86
A.C.E.-Design	" "	"	Traffic		5/14/86
A.C.E.-Hydrology	" "	"	Water		5/14/86
A.M.A.F.C.A.		12/6/86			

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	6	15

NOTE:
ALL STREET IMPROVEMENTS, EXCEPT CHAIN LINK FENCE AND PIPE GATE TO BE CONSTRUCTED IN PROJECT 2508.

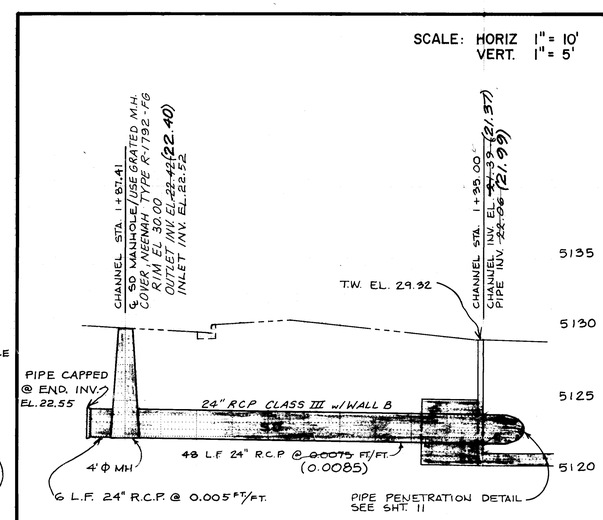


NOTE:
WATERLINE & SEWER LINES ARE TO BE EITHER STUBBED OUT UNDER BOX CULVERTS & CAPPED AS PART OF THIS PROJECT (2794) OR CONSTRUCTED IN THEIR ENTIRETY AS REQUIRED UNDER CONTRACT 2508 PRIOR TO CONSTRUCTION OF BOX CULVERTS AS APPROVED BY ENGINEER.



INSTALL: 2 - 8'x 6' x 64.90' CONCRETE BOX CULVERTS, DESIGN NO. 1. SEE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD DRAWING CB-32, SEE SHEET NO. 9

BOGART STREET BOX CULVERT – PLAN AND PROFILE



STORM DRAIN PROFILE

AS BUILT INFORMATION	
CONTRACTOR	DATE
A.M.P. INSPECT. BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
REFERENCE BY	DATE
NO	

BENCH MARKS

CONTROL: BENCH MARK 7-FIL WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3 1/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-FIL"

M.S.L. ELEVATION=5116.57'

SURVEY INFORMATION

NO	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY B.S. DATE 2-86
DRAWN BY C.M. DATE 2-86
CHECKED BY E.D. DATE 2-86

26 27940787

THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION

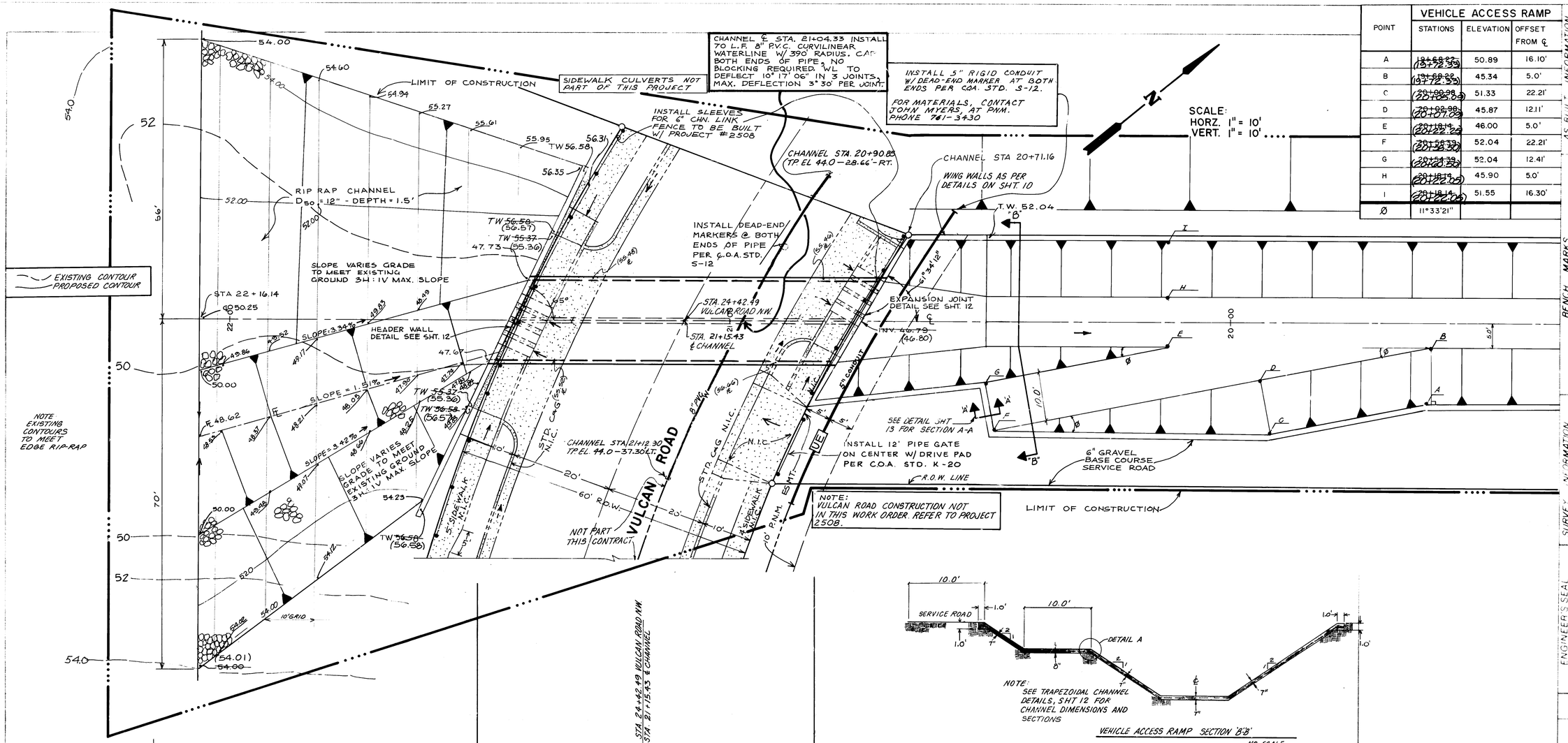
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE III PHASE I
BOGART STREET BOX CULVERT

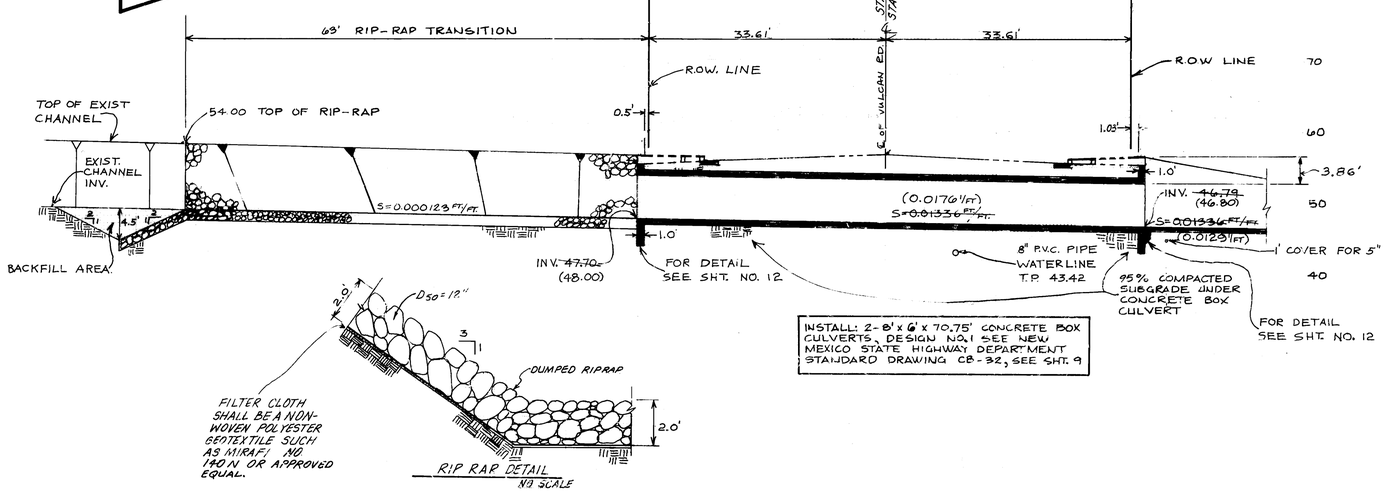
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	for	6/27/86	Liquid Waste		7/1/86
A C E - Design	" "	"	Traffic		5/4/86
A C E - Hydrology	" "	"	Water		7/1/86
A.M.A.F.C.A.		17 June 86			

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	7	15

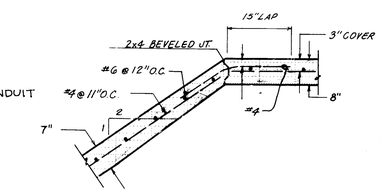
VEHICLE ACCESS RAMP			
POINT	STATIONS	ELEVATION	OFFSET FROM ℄
A	19+68.82 (19+72.33)	50.89	16.10'
B	19+68.82 (19+72.33)	45.34	5.0'
C	20+08.98 (20+03.09)	51.33	22.21'
D	20+08.98 (20+07.09)	45.87	12.11'
E	20+18.14 (20+22.25)	46.00	5.0'
F	20+38.33 (20+38.33)	52.04	22.21'
G	20+38.33 (20+38.33)	52.04	12.41'
H	20+18.14 (20+22.05)	45.90	5.0'
I	20+18.14 (20+22.05)	51.55	16.30'
Ø	11°33'21"		



VEHICLE ACCESS RAMP SECTION 'B'B'
NO SCALE



RIP RAP DETAIL
NO SCALE



DETAIL A
NO SCALE

BENCH MARKS

CONTROL: BENCH MARK 7-FIL, WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-FIL".

M.S.L. ELEVATION=5116.57'

AS BUILT INFORMATION

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY B.S. DATE 2-86
DRAWN BY C.N. DATE 2-86
REVIEWED BY E.D. DATE 2-86

LG 27940887

EVO

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SANTA FE VILLAGE III PHASE I

VULCAN ROAD BOX CULVERT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/27/86	Liquid Waste	R Baca	5/14/86
A.C.E. - Design	" "		Traffic	NA Dwh	5/14/86
A.C.E. - Hydrology	" "		Water	R Baca	5/14/86
AMAFCA					

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	8	15

VULCAN ROAD BOX CULVERT – PLAN AND PROFILE

CLEAR SPAN	CLEAR HEIGHT	TT	TS	TB	SO	HO	Y	Z	Per Linear Ft.: Reinf. Steel Lbs./Lin. Ft.	Per Linear Ft.: Concrete Cu.Yd./Lin. Ft.	At One End*: Reinforcing Steel-Lbs.	At One End*: Concrete Cu. Yds.	a1 Size	a1 Length	a1 Spacing	a2 Size	a2 Length	a2 Spacing
4	2	6½	6"	7"	9'-6"	3'-1½	—	—	77.2	0.507	239	1.99	6φ	9'-3"	9	–	none	–
	3	7	6"	7"	9'-6"	4'-2"	—	—	80.9	0.577	245	2.05	6φ	9'-3"	9	–	none	–
	4	7	6"	7"	9'-6"	5'-2"	—	—	86.4	0.633	241	2.10	6φ	9'-3"	9	–	none	–
6	2	7½	6"	7½	13'-6"	3'-3"	1'-4"	—	116.2	0.736	313	2.78	5φ	13'-3"	7½	–	none	–
	3	7½	6"	7½	13'-6"	4'-3"	1'-4"	—	120.3	0.792	322	2.84	6φ	13'-3"	7½	–	none	–
	4	7½	6"	7½	13'-6"	5'-3"	1'-4"	—	123.4	0.847	331	2.89	6φ	13'-3"	7½	–	none	–
	5	7½	6"	7½	13'-6"	6'-3"	1'-4"	—	132.5	0.903	340	2.95	6φ	13'-3"	7	–	none	–
	6	7½	6"	7½	13'-6"	7'-3"	1'-4"	—	138.4	0.953	374	3.01	6φ	13'-3"	7	–	none	–
8	4	8"	6"	8½	17'-6"	5'-4½	1'-6"	1'-3"	176.5	1.113	553	3.63	6φ	17'-3"	16	6φ	6'-6"	16
	5	8"	6"	8½	17'-6"	6'-4½	1'-4"	0'-9	193.7	1.169	559	3.74	6φ	17'-3	14	7φ	7'-6"	14"
	6	8"	6"	8½	17'-6"	7'-4½	1'-4"	—	208.3	1.225	571	3.80	7φ	17'-3"	8"	–	none	–
	7	8"	7"	8½	17'-9	8'-4½	1'-6"	1'-0"	224.5	1.358	608	3.97	6φ	17'-6"	14	7φ	7'-6"	14
	8	8"	8"	9"	18'-0"	9'-5	1'-8	1'-5	229.3	1.537	626	4.16	7φ	17'-9	13	7φ	8'-3"	18
10	4	9"	6½	10"	21'-7½	5'-7"	1'-6"	1'-6"	240.9	1.509	796	4.51	5φ	21'-3	8½	5φ	3'-0"	8½
[redacted]																		
	6	9"	6"	10"	21'-6"	7'-7	1'-6"	1'-6"	251.9	1.594	827	4.59	5φ	21'-3"	10½	6φ	8'-0"	10½
	7	9"	7"	10"	21'-9"	8'-7"	1'-6"	1'-0"	285.4	1.729	855	4.76	6φ	21'-6"	14	7φ	8'-9"	14
	8	9"	8"	10"	22'-0"	9'-7"	1'-6"	—	289.8	1.883	881	4.94	7φ	21'-9	9	–	none	–
	9	9"	8	10"	22'-0"	10'-7"	1'-6"	—	312.2	1.957	919	5.04	7φ	21'-9"	9"	–	none	–
	10	9"	9"	10"	22'-3"	11'-7"	1'-6"	—	325.9	2.138	884	5.23	7φ	22'-0"	9	–	none	–
	11	9"	9"	10"	22'-3"	12'-7"	1'-6"	1'-0"	332.7	2.221	953	5.39	5φ	22'-0"	11	6φ	8'-9"	11
	12	9½	9"	10"	22'-3"	13'-7½	1'-6"	1'-9	373.2	2.339	954	5.54	5φ	22'-0	14	7φ	8'-0"	14
12	6	10½	6½	11½	25'-7½	7'-10"	2'-2"	1'-9"	304.7	2.101	1127	5.43	4φ	25'-3"	9	6φ	9'-6"	9
	8	10½	8	11½	26'-0	9'-10"	2'-2"	1'-11"	342.6	2.358	1203	5.74	5φ	25'-9"	13	7φ	9'-6"	13
	10	10½	9"	11½	26'-3"	11'-10"	2'-0	2'-0	372.5	2.616	1254	6.05	5φ	26'-0"	13	7φ	9'-6	13
	12	10½	9"	11½	26'-3"	13'-10"	1'-10"	2'-0"	423.4	2.762	1360	6.33	5φ	26'-0"	13	7φ	9'-6"	13
14	8	12½	8"	13"	30'-0"	10'-1½	3'-1"	2'-2"	423.9	2.954	1686	6.53	5φ	29'-9"	12	7φ	11'-3	12
	10	12"	9"	13"	30'-3"	12'-1"	3'-1"	2'-2"	456.1	3.167	1729	6.84	5φ	30'-0"	12	7φ	11'-3"	12
	12	12"	9"	13"	30'-3"	14'-1"	3'-1"	2'-2"	499.9	3.334	1777	7.12	5φ	30'-0"	12	7φ	11'-3"	12"
	14	12"	10"	13"	30'-6"	16'-1"	3'-1"	2'-2"	553.1	3.650	1833	7.59	4φ	30'-3"	10½	7φ	11'-3"	10½

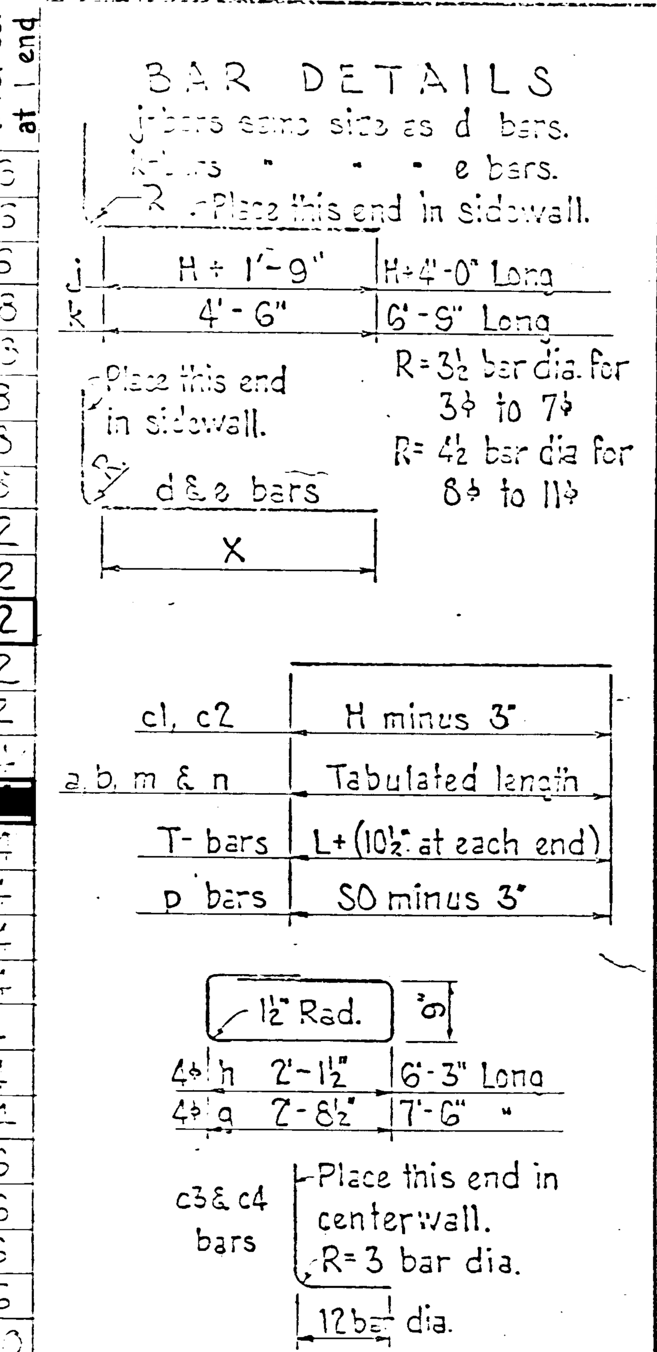
CLEAR SPAN	CLEAR HEIGHT	b1 Size	b1 Length	b1 Spacing	b2 Size	b2 Length	b2 Spacing	c1 Size	c1 Spacing	c2 Size	c2 Spacing	c3 Size	c3 Length	c3 Spacing	c4 Size	c4 Length	c4 Spacing
4	2	4φ	9'-3"	12	–	none	–	none		none		4φ	2'-3"	12	4φ	2'-3"	12
	3	4φ	9'-3"	12"	–	none	–	none		none		4φ	2'-9	12	4φ	2'-9	12
	4	4φ	9'-3"	12	–	none	–	none		none		4φ	3'-3	12	4φ	3'-3	12
6	2	4φ	13'-3	13"	4φ	4'-3"	13"	none		none		5φ	2'-6"	14	5φ	2'-6"	14
	3	4φ	13'-3	13	4φ	4'-3"	13	none		none		5φ	3'-3"	14	5φ	2'-9"	14
	4	4φ	13'-3	13	4φ	4'-3"	13	none		none		5φ	4'-3"	15	5φ	3'-0"	15
	5	4φ	13'-3	13	4φ	4'-3	13	none		none		5φ	5'-3"	15	5φ	3'-0"	15
	6	4φ	13'-3	13	4φ	4'-3"	13	none		none		5φ	6'-3"	15	5φ	3'-0"	15
8	4	4φ	17'-3	11"	4φ	6'-0"	11"	none		none		6φ	3'-9	16	6φ	3'-9	16
	5	4φ	17'-3"	14"	5φ	6'-3"	14"	none		none		5φ	5'-0"	16	5φ	3'-0"	16
	6	4φ	17'-3"	10"	4φ	6'-6"	10"	none		4φ	10½	5φ	6'-0"	16"	5φ	3'-0"	16"
	7	4φ	17'-6"	14	5φ	6'-3"	14"	4φ	18"	5φ	15	5φ	7'-0"	15"	5φ	3'-0"	15
	8	4φ	17'-9"	12"	4φ	8'-0"	12	4φ	18"	5φ	15	5φ	8'-3	12	5φ	3'-0"	12
10	4	4φ	21'-3	12	5φ	7'-9	12	none		none		6φ	4'-9"	13	5φ	3'-0	18
[redacted]																	
	6	4φ	21'-3"	12	5φ	8'-0"	12	none		none		4φ	8'-0	7½	4φ	3'-0"	7½
	7	5φ	21'-6"	14	5φ	8'-0	14	none		4φ	12	5φ	7'-3"	8½	5φ	3'-0	8½
	8	5φ	21'-9	15	6φ	7'-9	15	4φ	18	4φ	12	4φ	8'-0"	18	4φ	3'-0"	18
	9	5φ	21'-9"	15	5φ	8'-3"	15	4φ	17	4φ	13	5φ	9'-3"	12	5φ	3'-0"	12
	10	5φ	22'-0	18	6φ	8'-6"	18	4φ	15	4φ	10	4φ	10'-0"	9	4φ	3'-0"	9
	11	5φ	22'-0	14	5φ	8'-3"	14	4φ	12	4φ	12	5φ	11'-3"	15	5φ	3'-0"	15
	12	4φ	22'-0"	15	6φ	8'-3	15	5φ	14	4φ	8	7φ	13'-0"	14	7φ	3'-3"	14
12	6	5φ	25'-3"	12	5φ	8'-9	12	none		none		6φ	6'-9	16	5φ	3'-3"	16"
	8	5φ	25'-9	12	5φ	9'-0	12	4φ	18"	none		5φ	8'-6"	10	5φ	3'-3"	10
	10	5φ	26'-0	12	5φ	9'-3"	12"	4φ	12	5φ	12	5φ	10'-6"	13	5φ	3'-5"	13
	12	5φ	26'-0"	13"	7φ	9'-9"	18	5φ	16	5φ	13	6φ	12'-9"	10	6φ	3'-3"	10
14	8	5φ	29'-9	13	6φ	9'-3"	13"	4φ	18"	none		5φ	8'-9"	14	5φ	3'-3"	14"
	10	5φ	30'-0"	12"	6φ	9'-3"	12"	4φ	18	6φ	11½	5φ	10'-9"	14	5φ	3'-3"	14"
	12	5φ	30'-0"	10½	5φ	9'-3"	10½	4φ	11"	6φ	10	5φ	12'-9	14	5φ	3'-3"	14
	14	5φ	30'-3"	10½	5φ	9'-3"	10½	5φ	12"	6φ	10½	5φ	14'-9"	10½	5φ	3'-3"	10½

CLEAR SPAN	CLEAR HEIGHT	m Size	m Length	m Spacing	n Size	n Length	n Spacing	d Size	d Length	d X	d Spacing	e Size	e Length	e X	e Spacing
4	2	5φ	4'-6"	9	5φ	4'-6"	12	5φ	3'-9"	1'-7	12	4φ	4'-3"	1'-6	12"
	3	5φ	4'-6"	9	5φ	4'-6	12	5φ	4'-3	1'-7"	12	4φ	4'-9"	1'-6"	12
	4	5φ	4'-6	9	5φ	4'-6"	12	4φ	4'-6	1'-7"	9	4φ	5'-3"	1'-6"	9
6	2	5φ	4'-3"	6½	5φ	5'-3"	6½	5φ	3'-9	1'-10"	6½	4φ	3'-6"	1'-8"	6½
	3	6φ	4'-3"	9½	5φ	5'-6"	6½	5φ	4'-3"	1'-9	9	4φ	4'-0"	1'-8	9
	4	6φ	4'-3"	10	5φ	5'-6"	6½	5φ	4'-9	1'-9	10"	4φ	4'-6"	1'-3"	10
	5	6φ	4'-3"	10	5φ	5'-6"	6½	5φ	5'-3"	1'-9	10"	4φ	5'-3"	1'-9	10"
	6	6φ	4'-3"	10	5φ	5'-6"	6½	6φ	6'-0"	1'-9	14	5φ	5'-9"	1'-9	14
8	4	6φ	5'-6"	7	6φ	6'-9	7	6φ	5'-6"	1'-11"	11	5φ	4'-6"	1'-10	11"
	5	6φ	6'-3"	7½	6φ	7'-9	7	6φ	5'-9"	2'-0	11	5φ	5'-9"	2'-0"	11"
	6	6φ	7'-0"	8"	6φ	7'-9	7"	6φ	4'-6"	2'-1"	10½	5φ	4'-0"	1'-10"	10½
	7	6φ	7'-0"	7½	7φ	7'-9	9	6φ	5'-3"	2'-6"	11"	6φ	5'-3"	2'-6"	15
	8	6φ	7'-3"	7½	6φ	6'-9	7½	6φ	6'-3	2'-11"		6φ	6'-3"	2'-11"	15
10	4	8φ	9'-0	10	6φ	8'-6	10	6φ	5'-3"	2'-0		5φ	5'-3"	2'-0	10"
[redacted]															
	6	7φ	8'-3	7½	7φ	8'-3"	7½	7φ	5'-3"	2'-5"	12	6φ	8'-3	2'-6"	12
	7	7φ	8'-9	7½	7φ	7'-9"	7½	7φ	7'-0"	3'-0"	12	6φ	8'-0"	2'-9	12
	8	7φ	9'-0	8"	7φ	7'-0"	8"	7φ	7'-6"	3'-6"	12"	6φ	6'-0"	2'-9	12
	9	7φ	9'-3"	8"	7φ	7'-9	7½	7φ	7'-6"	3'-6	11½	7φ	6'-6"	3'-0"	13
	10	8φ	9'-6"	10½	8φ	8'-6"	9½	6φ	8'-0"	3'-9	9"	6φ	7'-0"	3'-3"	10"
	11	7φ	10'-0"	7½	7φ	8'-3"	7	7φ	7'-6"	3'-3"	12	7φ	6'-9	3'-3"	12
	12	7φ	10'-3"	8"	7φ	8'-3	7	6φ	7'-3"	3'-4"	8	6φ	7'-3"	3'-4"	8"
12	6	8φ	9'-6"	8"	8φ	9'-6	8½	6φ	6'-3	2'-1"	8	5φ	6'-6"	2'-0	8
	8	7φ	9'-3"	6½	7φ	9'-3"	6½	7φ	7'-9"	2'-8"	11	6φ	9'-0	3'-5	11"
	10	7φ	9'-3"	6½	7φ	9'-3"	6½	7φ	7'-6"	3'-3"	11	7φ	7'-6	3'-6	12"
	12	7φ	9'-3"	6½	7φ	9'-3"	6½	8φ	7'-9"	3'-9"	13	8φ	7'-6"	3'-6"	13"
14	8	8φ	12'-0"	7	8φ	12'-0"	7½	8φ	10'-3"	4'-0	13	7φ	8'-9	3'-9"	13
	10	8φ	11'-0"	7	8φ	10'-6"	7"	8φ	8'-3"	4'-3"	13	7φ	7'-3"	4'-0"	11½
	12	8φ	11'-0"	7"	8φ	10'-6"	7"	8φ	8'-6"	4'-6"	12	8φ	8'-3"	4'-3"	12"
	14	8φ	11'-0"	7	8φ	10'-6"	7"	8φ	8'-9"	4'-9"	10½	8φ	8'-6"	4'-6"	10½

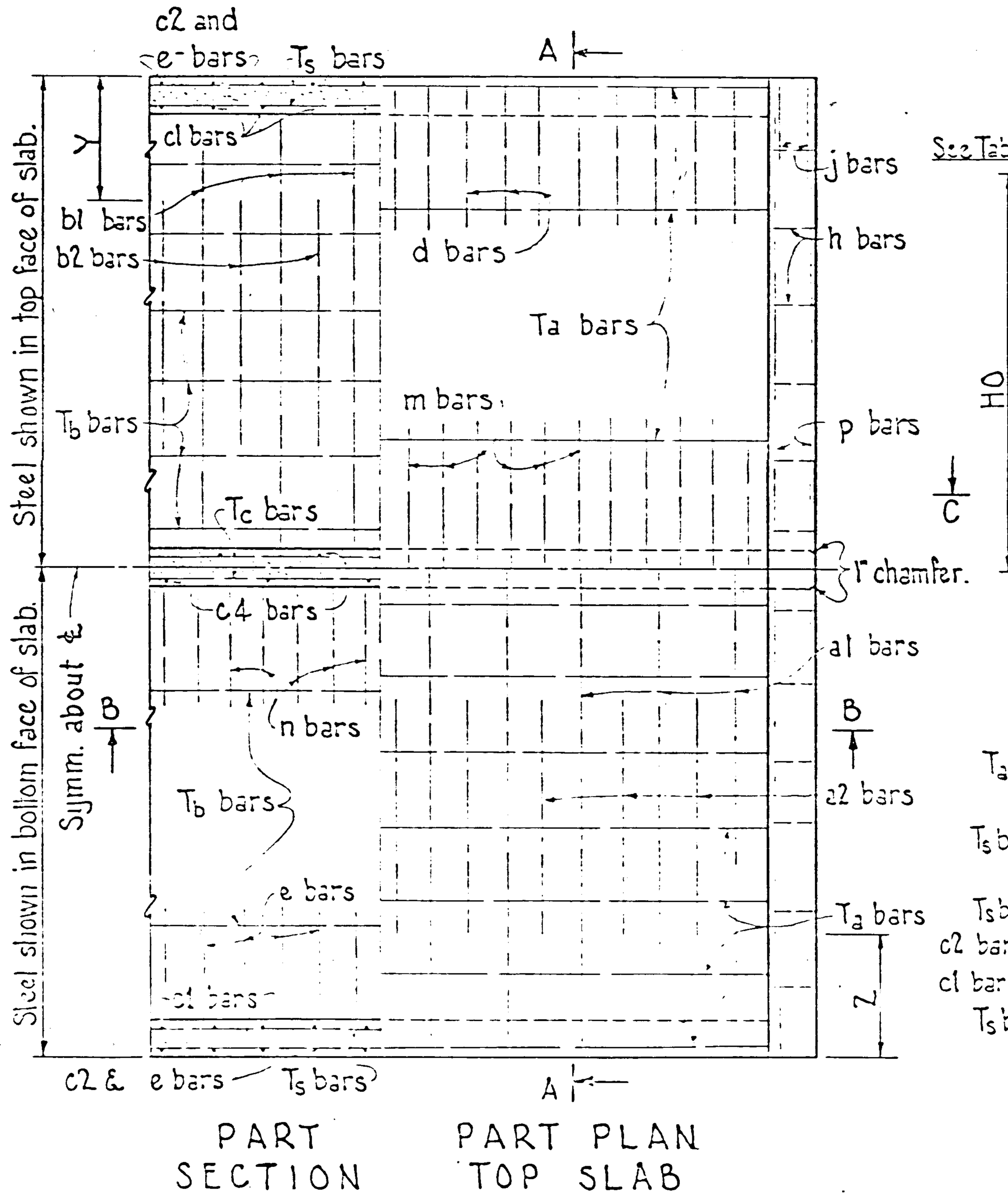
CLEAR SPAN	CLEAR HEIGHT	Ta No.	Ta Size	Ta Spacing	Tb No.	Tb Size	Tb Spacing	Tc No.	Tc Size	Tc Spacing	Ts No.	Ts Size	Ts Spacing	g,h No. of ea. at 1 end
4	2	13	4φ	18"	13	4φ	18"	3	4φ	18	4	4φ	18	6
	3	13	4φ	18"	13	4φ	18	4	4φ	22	4	4φ	22	6
	4	13	4φ	18"	13	4φ	18	5	4φ	18"	6	4φ	18	6
6	2	16	4φ	18"	16	4φ	18"	3	4φ	18"	4	4φ	18	8
	3	16	4φ	18	16	4φ	18	4	4φ	18"	4	4φ	22	8
	4	16	4φ	18"	13	4φ	18	5	4φ	18	6	4φ	18	8
	5	16	4φ	18"	16	4φ	18	7	4φ	18	8	4φ	18	8
	6	13	4φ	18"	16	4φ	18	7	4φ	18	8	4φ	18	8
8	4	24	4φ	15	22	4φ	15	5	4φ	18"	6	4φ	18	12
	5	27	4φ	15	25	4φ	16"	7	4φ	18"	8	4φ	18	12
	6	29	4φ	14"	25	4φ	16"	9"	4φ	16"	10	4φ	18"	12
	7	29	4φ	14"	25	4φ	16"	9"	4φ	18"	16	4φ	18"	12
	8	29	4φ	14"	25	4φ	18"	11"	4φ	18"	20	4φ	18	12
10	4	32	4φ	12	32	4φ	12	5	4φ	18	6	4φ	18	14
[redacted]														
	6	29	4φ	14"	25	4φ	18"	9	4φ	18"	10	4φ	18"	14
	7	24	5φ	18"	24	4φ	18"	9	4φ	18"	10	4φ	18"	14
	8	25	5φ	18"	24	4φ	18"	11	4φ	18"	20	4φ	18"	14
	9	25	5φ	18"	24	4φ	18"	12	4φ	18"	24	4φ	18"	14
	10	25	5φ	18"	24	4φ	18"	13	4φ	18"	28	4φ	18"	14
	11	25	5φ	18"	24	4φ	18"	15	4φ	18"	30	4φ	18"	14
	12	30	4φ	14"	25	4φ	18"	15	4φ	18"	30	4φ	18"	14
12	6	36	4φ	12"	32	4φ	14"	7	4φ	18"	8	4φ	18"	16
	8	36	4φ	12	32	4φ	14	11	4φ	18"	20	4φ	18"	16
	10	36	4φ	12	32	4φ	14"	13	4φ	18"	26	4φ	18"	16
	12	36	4φ	12"	30	4φ	18"	15	4φ	18"	30	4φ	18"	16
14	8	32	5φ	17	33	4φ	14	11	4φ	18"	20	4φ	18"	20
	10	32	5φ	17	39	4φ	13"	13	4φ	18"	26	4φ	18"	20
	12	32	5φ	17"	33	4φ	14	15	4φ	18"	30	4φ	18"	20
	14	32	5φ	17"	30	4φ	14"	19	4φ	18"	35	4φ	18"	20

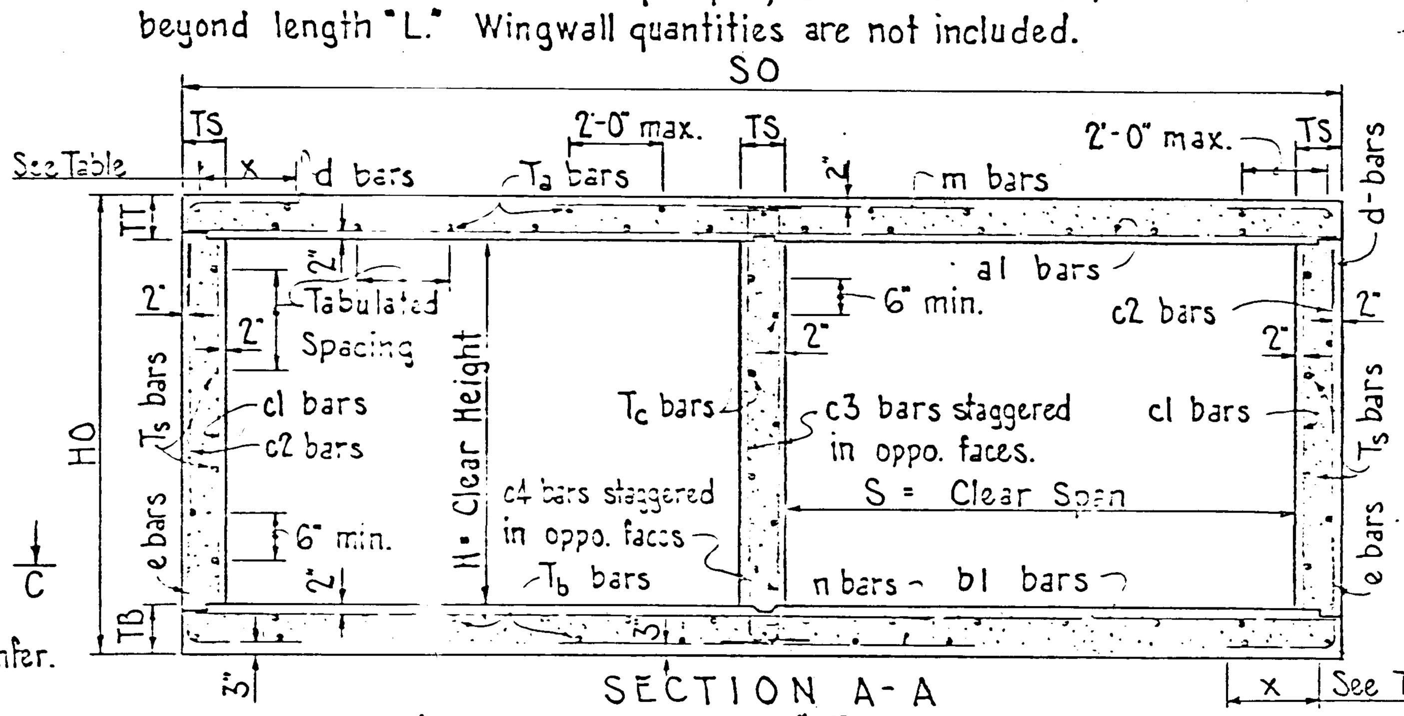
* Quantities "at one end" include parapet, cut off and barrel beyond length "L." Wingwall quantities are not included.

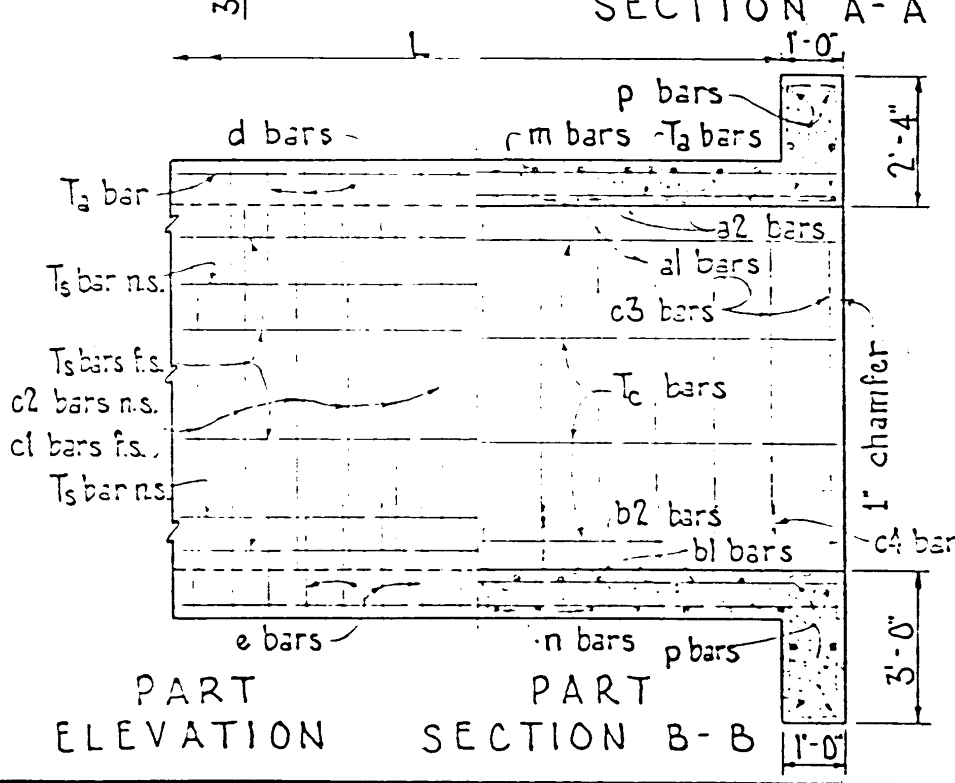
p - bars						
Clear Span	4'	6'	8'	10'	12'	14'
Size	5φ	5φ	6φ	7φ	8φ	9φ

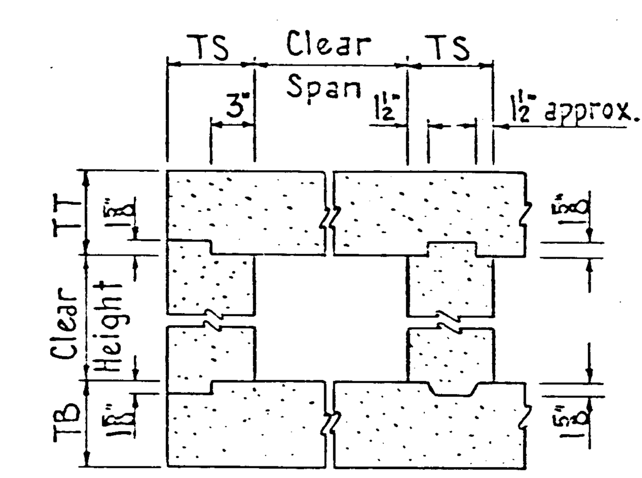


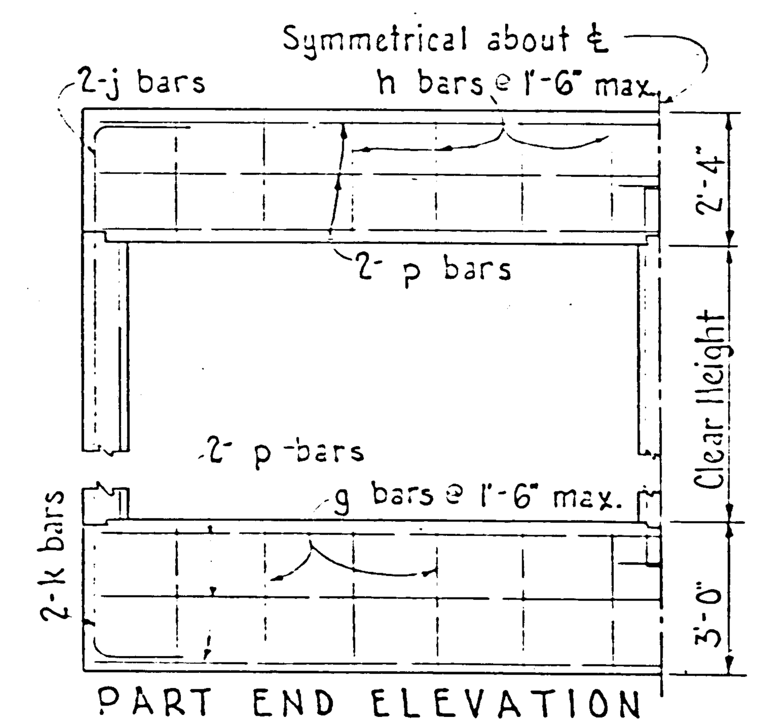
NUMBER OF BARS REQUIRED
a2, b2, c2, d & e bars : 24L ÷ Spacing.
a1, b1, m & n bars : 12L ÷ Spacing
p bars: 12 for cutoff & parapet at each end.
c1, c3 & C4 bars: (24L ÷ Spa) plus 2 at each end.
j & k bars: 4 of each for cutoff and parapet at each end.
Other bars: see table.
L = Length of Barrel in feet.











GENERAL NOTES

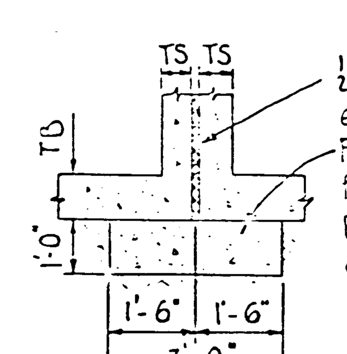
1. Workmanship and materials shall conform to New Mexico State Highway Commission Specifications.
2. All concrete to be Class "A". Chamfer all exposed edges ¾ inch except as noted.
3. All reinforcing bars shall conform to ASTM Specifications A 615, Grade 40
   All dimensions refer to ℄ of bar.
4. T- 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 reinforcing steel.
5. Volume of concrete = (L) x (concrete quantity per lin. ft.) plus concrete at ends.
6. Weight of reinforcing steel = (L) x (wt. of reinf. steel/lin. ft.) plus weight at ends.
7. Place T_a-bars on a-bars and T_b-bars under b-bars, spaced as shown in the table. The remaining T_a- and T_b-bars are to be placed adjacent to d-, e-, m- and n-bars, as indicated in Section A-A.
8. Place T_s-bars next to c1 bars, spaced as shown in the table. The remaining T_s-bars to be placed in sidewall next to c2, d- & e-bars. When c1 bars are not required place all T_s bars next to c2, d- and e- bars.
9. "Cover" is height of fill from top of box to finished grade.

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' surcharge.
Design Stresses: f'c = 3000 p.s.i., fc = 1200 psi.
fs = 20000 p.s.i., n = 10.

THIS SERIAL REVISED:

26 27940987



½" Preformed bit. joint filler between adjacent units and extending between barrels, parapets and cutoffs.
Foundation block to be placed in neat excavation, extend for entire length of barrel under joint between units. Place one layer of tar paper over entire top surface of foundation block. Conc. quant. = 0.111 cu.yds. per lin. ft. of block.

JUNCTION DETAIL FOR MULTIPLE UNIT BOXES

Designed by H.T. 10-60 Checked by W.J.C. 10-60
Detailed by SEF & RH 10-60 Checked by H.T. 10-60

NEW MEXICO
STATE HIGHWAY DEPARTMENT

CONCRETE BOX CULVERT BARRELS
DOUBLE OPENING ~ NORMAL
DESIGN No. 1
0 TO 5' COVER
Sheet 1 of 4
SERIAL CB-32

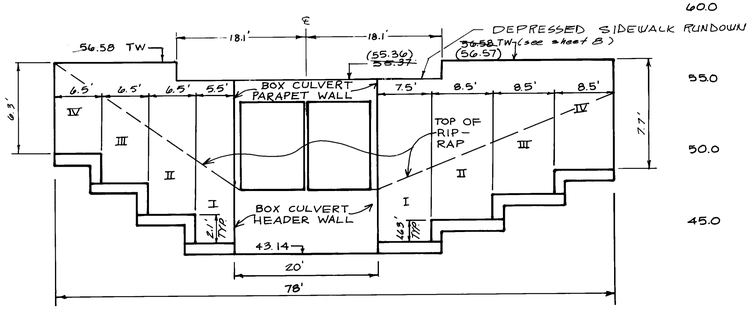
APPROVED: ____________
BRIDGE ENGINEER

FISCAL YEAR	SHEET NO.	TOTAL SHEETS

9

DIETZGEN 196M ASEPRCOP

NOTE:
RETAINING WALL AND FOOTINGS AS PER TYPICAL DETAILS THIS SHT.

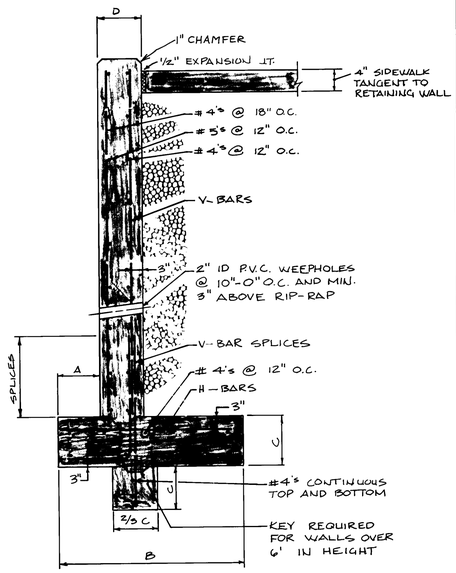


HEADER WALL—VULCAN WEST

SPLICES
#4 - 20"
#5 - 26"

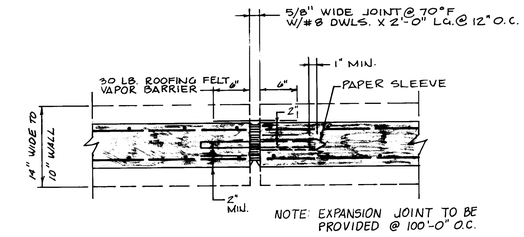
TYPE	A	B	C	D	V-BARS	H-BARS
I	1'-8"	6'-6"	1'-3"	1'-2"	#7@6"O.C.	#6@6"O.C.
II	1'-4"	5'-4"	1'-2"	1'-2"	#7@6"O.C.	#6@6"O.C.
III	1'-0"	4'-9"	1'-0"	1'-0"	#6@6"O.C.	#5@6"O.C.
IV	1'-0"	4'-0"	1'-0"	1'-0"	#4@6"O.C.	#4@12"O.C.
V	6"	3'-0"	11"	10"	#4@12"O.C.	#4@18"O.C.

RETAINING WALL SCHEDULE



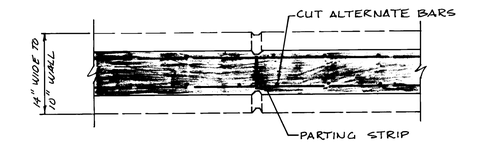
NO SCALE

TYPICAL RETAINING WALL



NO SCALE

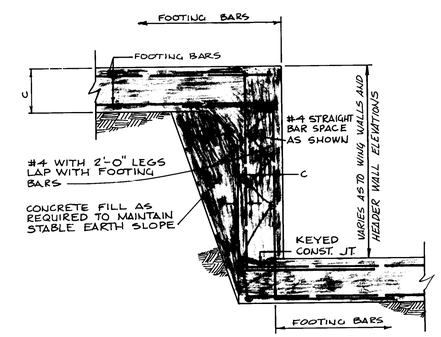
RETAINING WALL EXPANSION JOINT



NO SCALE

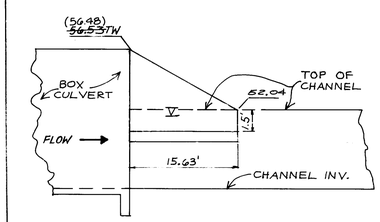
NOTE: CONTROL JOINT TO BE PROVIDED @ 25'-0" O.C.

RETAINING WALL CONTROL JOINT

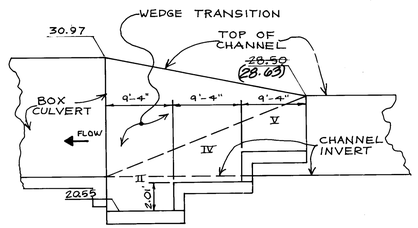


NO SCALE

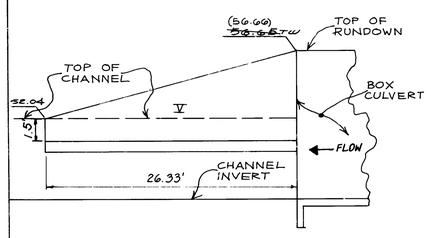
TYPICAL STEP FOOTING



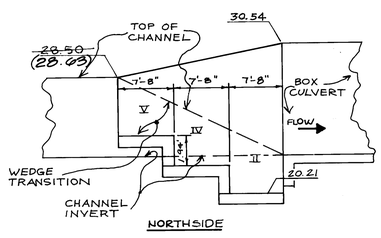
NORTHSIDE



SOUTHSIDE



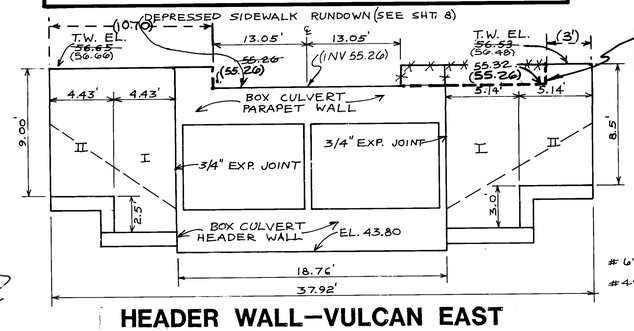
SOUTHSIDE



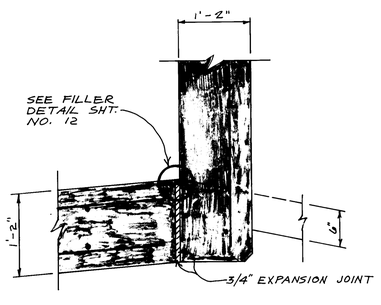
NORTHSIDE

VULCAN STREET WING WALLS

BOGART STREET WING WALLS

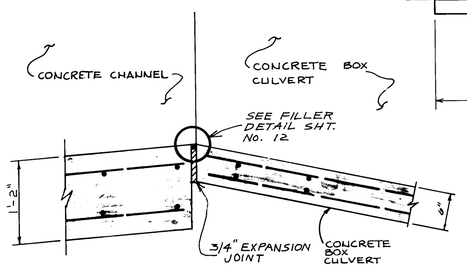


HEADER WALL—VULCAN EAST



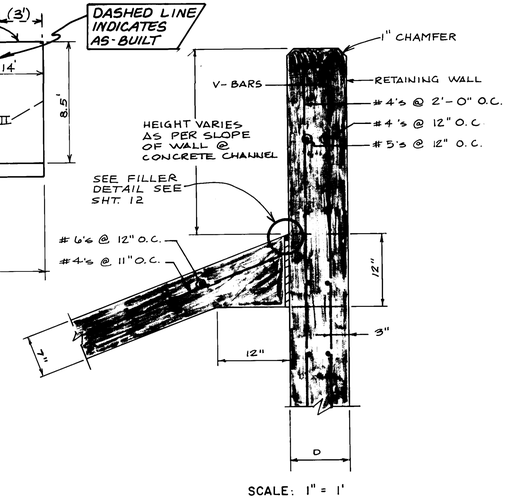
SCALE: 1" = 1'

SECTION A—A TYP. EXPANSION JOINT AT BOX CULVERT PARAPET



SCALE: 1" = 1'

SECTION B—B TYP. EXPANSION JOINT DETAIL AT BOX CULVERT BARREL WALL



SCALE: 1" = 1'

TYP. EXPANSION JOINT DETAIL BETWEEN CONCRETE CHANNEL AND WINGWALL

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON DATE
WORK COMPLETED ON DATE
ACCEPTED BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
CONTROL: BENCH MARK 7-F11, WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-F11"
M.S.L. ELEVATION=5116.57'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY B.S. DATE 2-86
DRAWN BY A.P. DATE 2-86
CHECKED BY E.D. DATE 2-86

26 27 9 4 1 0 8 7

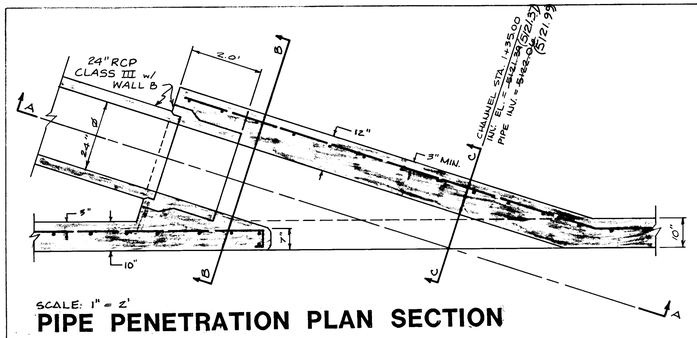
THE DRAWING AND DIMENSIONS ON THIS MAP ARE ... E.V.D.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT III PHASE I
WING WALL DETAILS

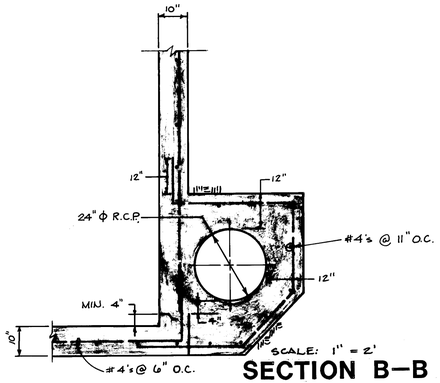
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	6/27/86	Liquid Waste	R. Bean	4/10/86
A.C.E.-Design	" "	"	Traffic	DA DWH	5/14/86
A.C.E.-Hydrology	" "	"	Water	R. Bean	4/10/86
A.M.A.F.C.A.					

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	10	15



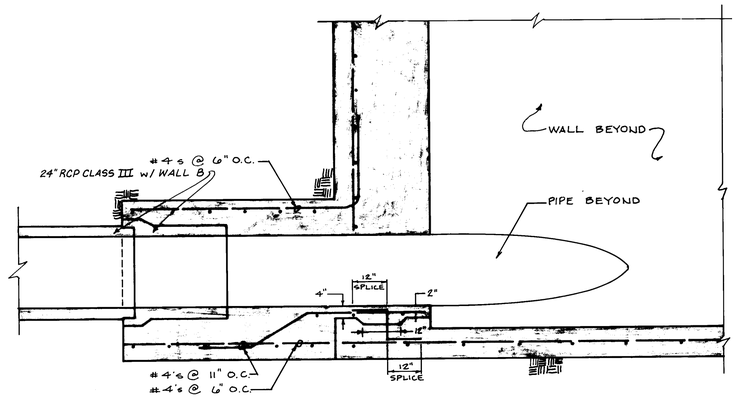
SCALE: 1" = 2'

PIPE PENETRATION PLAN SECTION



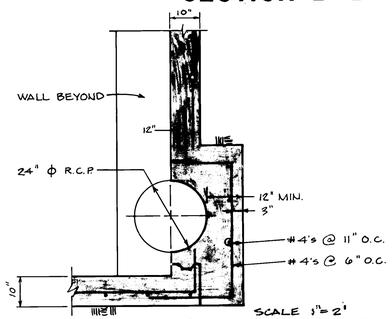
SCALE: 1" = 2'

SECTION B–B



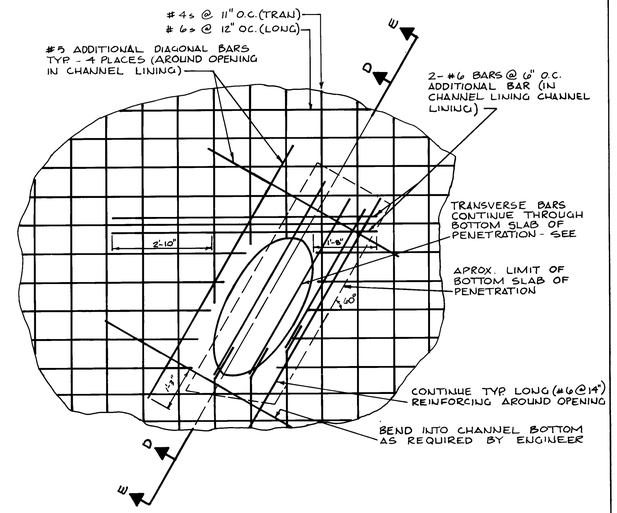
SCALE: 1" = 2'

SECTION A–A

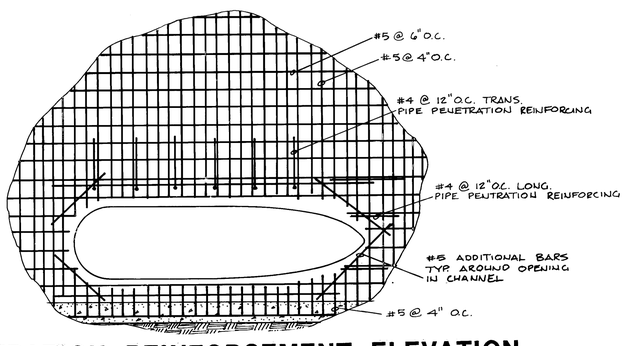


SCALE 1" = 2'

SECTION C–C

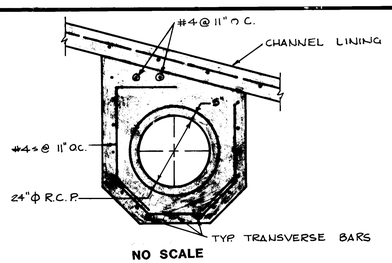


PIPE PENETRATION REINFORCEMENT PLAN



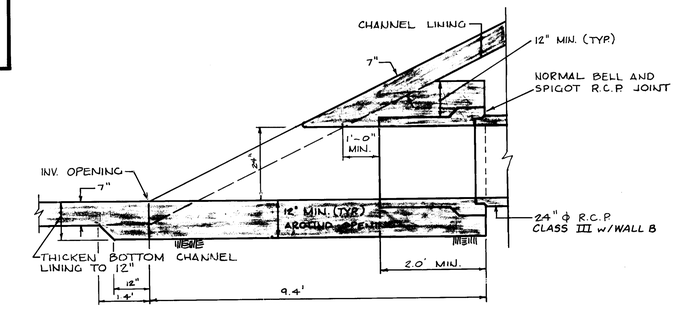
SCALE: 1" = 2'

PIPE PENETRATION REINFORCEMENT ELEVATION



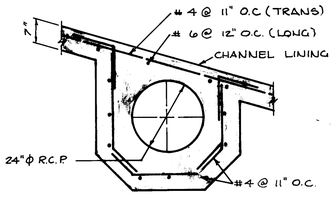
NO SCALE

SECTION F–F



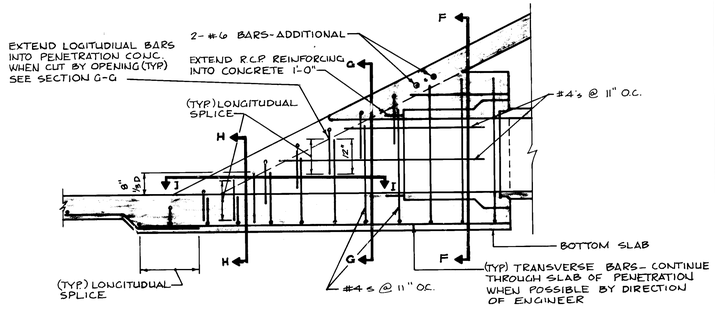
NO SCALE

SECTION D–D



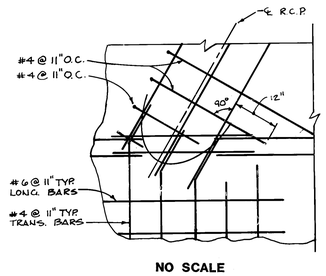
NO SCALE

SECTION G–G



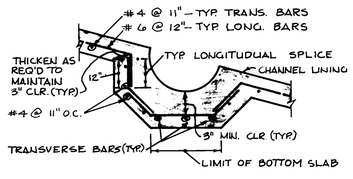
NO SCALE

SECTION E–E



NO SCALE

SECTION I–I



NO SCALE

SECTION H–H

AS BUILT INFORMATION

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

BENCH MARKS

CONTROL: BENCH MARK 7-FIL, WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-FIL".

M.S.L. ELEVATION-5116.57'

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE

ENGINEER'S SEAL

26 27941187

REVISIONS

NO	DATE	REMARKS	BY

DESIGNED BY B.S. — DATE 2-86
DRAWN BY A.P. — DATE 2-86
CHECKED BY E.D. — DATE 2-86

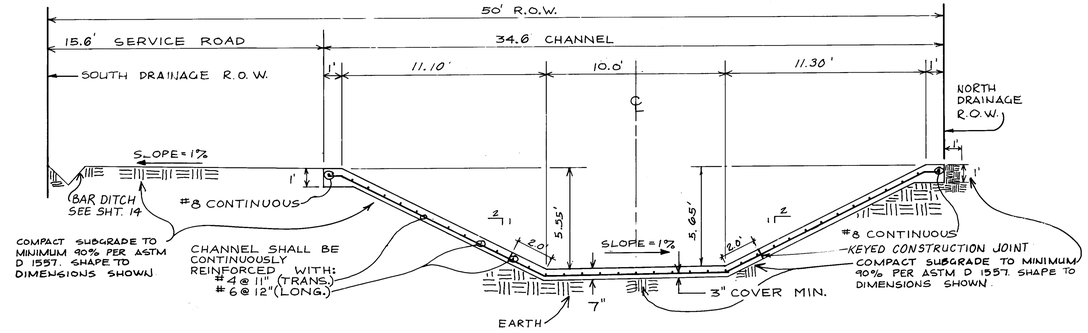
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE III PHASE I

PIPE PENETRATION DETAILS

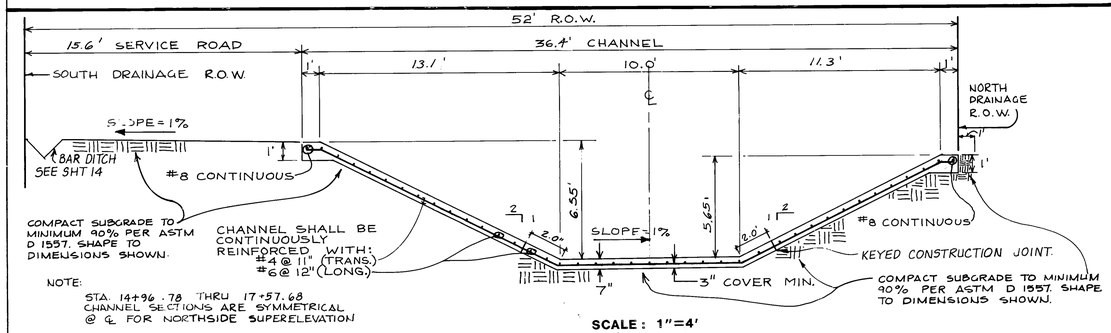
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/27/86	Liquid Waste		5/14/86
A.C.E. - Design			Traffic		5/14/86
A.C.E. - Hydrology			Water		5/14/86
A.M.A.F.C.A.					

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	11	15



SCALE: 1"=4'

TYPICAL CHANNEL SECTION



NOTE:
STA. 14+96.78 THRU 17+57.68 CHANNEL SECTIONS ARE SYMMETRICAL @ ℄ FOR NORTHSIDE SUPERELEVATION

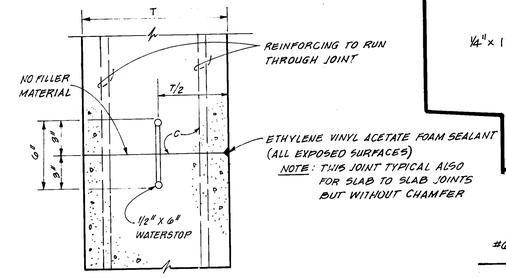
SCALE: 1"=4'

TYPICAL CHANNEL SECTION AT SUPERELEVATION

NOTE: ALL CONCRETE AND REINFORCING FOR ALL STRUCTURES TO CONFORM TO REQUIREMENTS FOR ACI-301 AND CITY STANDARDS.

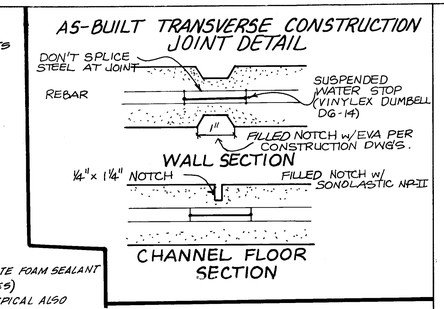
f'c = 3000 psi @ 28 DAYS

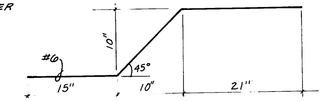
f'y = 60,000 psi



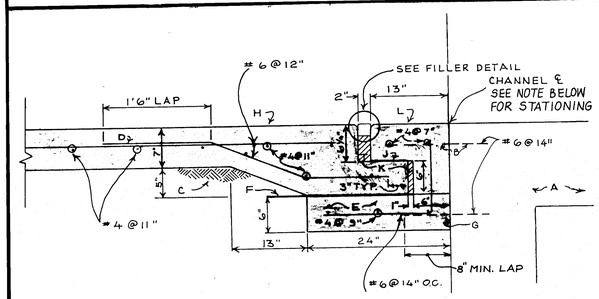
TRANSVERSE CONSTRUCTION JOINT DETAIL

for RETAINING WALL CHANNEL SECTION
TRANSVERSE JOINT LOCATED @ 20' CENTERS

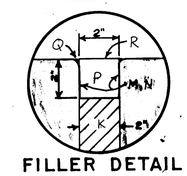




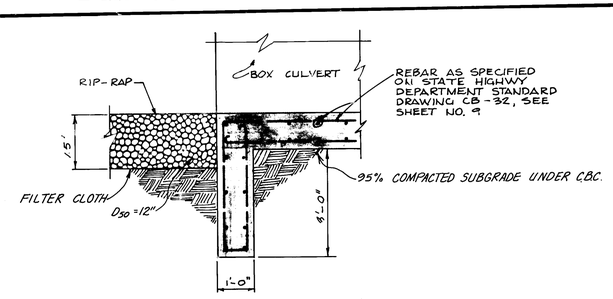
AS-BUILT NOTE: 'Z'-BAR DETAIL
(TRANSVERSE JOINT LOCATED @ 20' CENTERS FOR 5' RETAINING WALL SECTION & 25' CENTER FOR 10' RETAINING WALL SECTIONS)



TYP. EXPAN. JOINT BETWEEN BOX CULVERT & CHANNEL

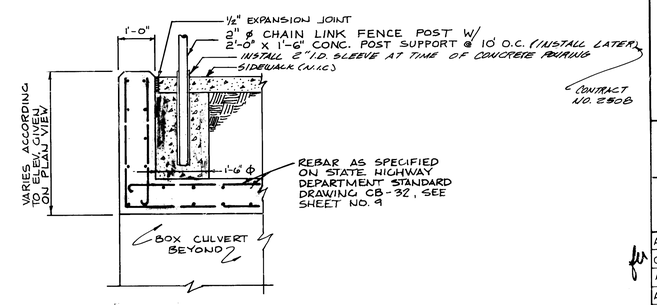


FILLER DETAIL



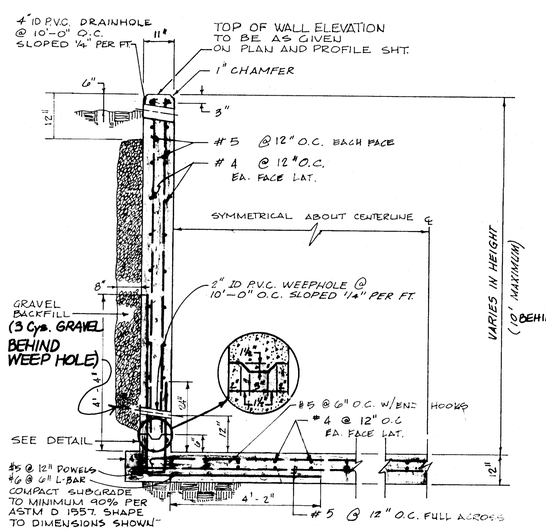
SCALE: 1" = 2'

SECTION THRU BOX CULVERT HEADER WALL AT VULCAN ROAD RIP-RAP TRANSITION



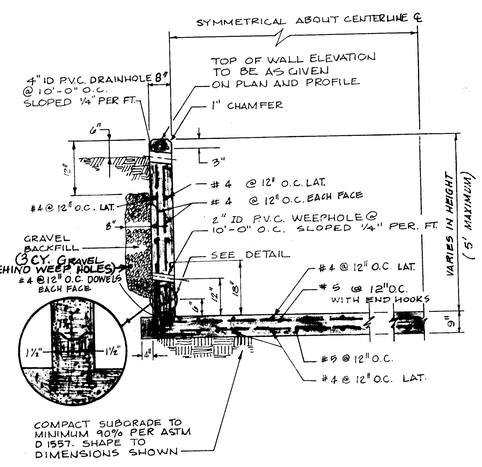
SCALE: 1" = 2'

SECTION THRU BOX CULVERT PARAPET WALL



SCALE: 1" = 2'

10' RETAINING WALL CHANNEL SECTION STA. 1+09.89 THRU 1+59.89



SCALE: 1"=2'

5' RETAINING WALL CHANNEL SECTION STA. 0+11.85 THRU STA. 1+09.89

GENERAL NOTES

1. STEP JOINT WITH SLEEPER SHALL BE USED IN ALL NEW AND REHABILITATION CONSTRUCTION AS SPECIFIED BY ENGINEER. JOINT MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
2. AS SOON AS THE STEP JOINT IS COMPLETE, THE EXPOSED ENDS OF THE STEP JOINT SHALL BE COVERED WITH A PROTECTIVE SHEET OF 16 GA. GALVANIZED STEEL WITH 1/2" CRIMPED EDGES, ANCHORED AT TWO CORNERS ON ONE SIDE OF THE JOINT, FLUSH TO THE TOP OF THE JOINT, AND EXTENDING AT LEAST 3" PAST THE SEALANT, FILLERS, AND LOWER BEARING PLATE.

CONSTRUCTION NOTES

A. ~~EXISTING CONCRETE STRUCTURE TO REMAIN.~~

B. ~~EXISTING REINFORCING STEEL TO REMAIN.~~

C. COMPACT SUBGRADE TO MINIMUM 90% PER ASTM D 1557. SHAPE TO DIMENSIONS SHOWN.

D. TIE STEEL AS SHOWN: ~~18" SPACING PAR. ANGEL TO CHANNEL.~~ ~~OTHER~~ STEEL SIZE AND SPACING PER D.P.M. LONGITUDINAL STEEL AREA GREATER THAN .005 TIMES CONC. AREA; TRANSVERSE STEEL AREA GREATER THAN .0025 TIMES CONC. AREA. SEE DETAIL FOR Z BAR THIS SHEET. SECURELY TIE ALL CONNECTIONS. SUPPORT SLEEPER MAT WITH PREFORMED CONCRETE CHAIRS. STEEL SHALL BE FREE OF FERRIC OXIDE (BLACK RUST SCALE).

E. FORM AND POUR FLY ASH CONCRETE SLEEPER, STEEL TROWEL BEARING SURFACE SIDE ONLY. RECOMPACT ADJACENT SOIL.

F. POLYETHYLENE BEARING PLATE, 1/4" X 2', LOW DENSITY, PLACED FLAT ON SAME GRADE AS CHANNEL. CARE SHALL BE TAKEN NOT TO LOCK EDGE OF PLATE WITH CONCRETE FILLED HOLES OR FLASHING. COMPACT SOIL TO TOP PLANE OF PLATE.

G. SANDBLAST EDGE OF ~~EXISTING~~ CONCRETE STRUCTURE AND APPLY CEMENTITIOUS GROUT, JUST PRIOR TO PLACING NEW CONCRETE.

H. FORM AND POUR DOWNSTREAM CONCRETE SECTION AS SHOWN WITH FLY ASH CONCRETE WITH ALUMINUM FLOAT AND DRY BROOM FINISH. STEEL TROWEL BEARING PLATE SURFACE ONLY. BEARING PLATE SURFACE MUST BE PARALLEL TO BEARING PLATE SURFACE ON SLEEPER. FORMS TO REMAIN IN PLACE UNTIL NEXT DAY FOLLOWING POUR.

J. PLACE 1/4" X 6" LOW DENSITY POLYTHYLENE BEARING PLATE AS SHOWN BETWEEN THE TWO FILLER SECTIONS.

K. PLACE POLYETHYLENE FOAM FILLERS AS SHOWN, PLASTAZOTE OR APPROVED EQUAL. DO NOT ANCHOR WITH NAILS OR BONDING AGENT. KEEP WITH FRESH CONCRETE WHEN POURING UPSTREAM SECTION. DO NOT ALLOW FRESH CONCRETE BETWEEN PLASTAZOTE AND POURED CONCRETE SECTION.

L. POUR UPSTREAM SECTION WITH FLY ASH CONCRETE. VERTICAL SIDES OF FORM USED TO BLOCK OUT SPACE FOR SEALANT SHALL BE SMOOTH, CLEAN MATERIAL TO AVOID NOSING CONTAMINATION AND FOR EASE OF REMOVAL. CONCRETE SHALL BE CURED TO MINIMUM 80% OF DESIGN STRENGTH BEFORE INSTALLING SEALANT.

M. PREPARE VERTICAL NOSING FOR BONDER BY SANDBLASTING. BLOW ALL SAND OUT OF THE JOINT BEFORE APPLYING BONDER.

N. APPLY 2 COMPONENT EPOXY EVA-POX, FRESH CONCRETE BONDER, OR APPROVED EQUAL TO VERTICAL CONCRETE FACES AND VERTICAL SEALANT FACES.

P. IMMEDIATELY INSTALL ETHYLENE VINYL ACETATE FOAM SEALANT, EVA-SEAL OR APPROVED EQUAL, AS SHOWN. DIMENSION OF FOAM SEALANT BEFORE INSTALLATION SHALL BE AS SHOWN. FOAM SEALANT MUST BE COMPRESSED INTO JOINT. IMMEDIATELY REMOVE ALL BONDER FROM TOP SURFACE OF SEALANT.

Q. BONDER BEAD IN GROOVE BETWEEN TOOLED RADIUS AND SEALANT IS TO REMAIN.

R. SAND SURFACE OF SEALANT FLUSH TO TOP OF CONCRETE. APPLY ULTRA VIOLET PROOFING, 2 COATS, FLEXCOAT 19 OR APPROVED EQUAL.

26 2794/287

EVD

AS BUILT INFORMATION

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

BENCH MARKS

CONTROL: BENCH MARK 7-F11, WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-F11".

M.S.L. ELEVATION=5116.57'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY BS — DATE 2-86
DRAWN BY C.M., A.P. — DATE 2-86
CHECKED BY E.D. — DATE 2-86

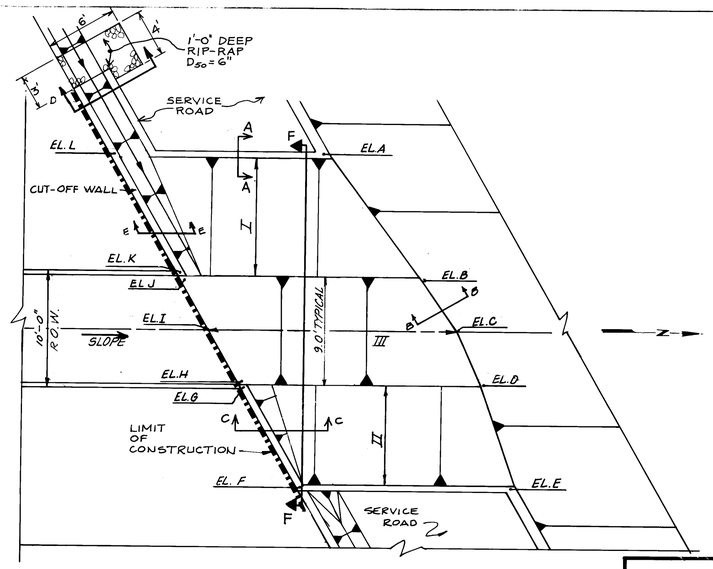
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT III PHASE I

CHANNEL DETAILS

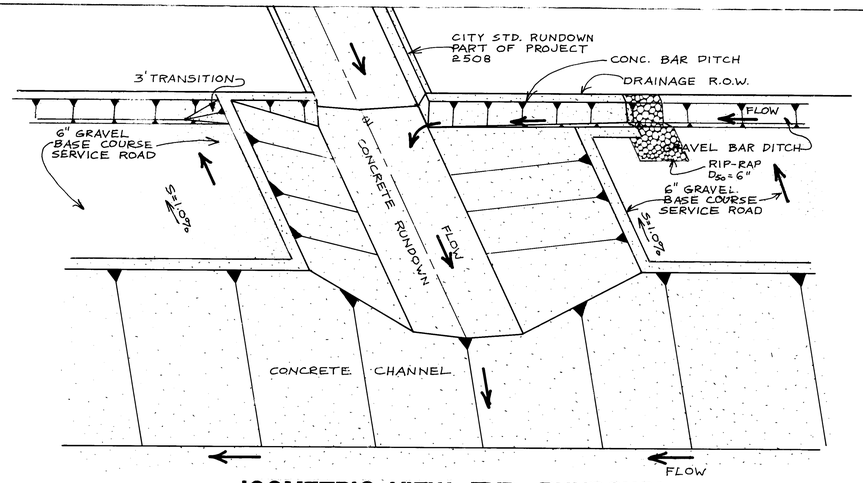
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/2/86	Liquid Waste		5/14/86
A.C.E.-Design	" "	"	Traffic	N.A.	5/14/86
A.C.E.-Hydrology	" "	"	Water		5/14/86
A.M.A.F.C.A.					

DRAWING NO. 2794 | MAP NO. F-10 | SHEET 12 OF 15



SCALE: 1" = 6'

TYP. RUNDOWN AT CHANNEL

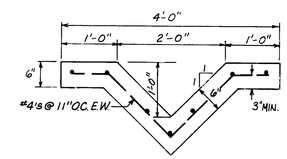


ISOMETRIC VIEW—TYP. RUNDOWN

NO SCALE

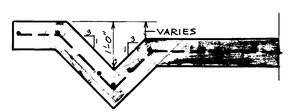
DESCRIPTION	RUNDOWNS		
	CLIFFROSE	JA COURT	BUTTE COURT
EL. A	(36.5) ~~36.45~~	(30.46) ~~30.49~~	(45.41) ~~45.31~~
EL. B	(34.85) ~~34.86~~	(29.99) ~~28.99~~	(44.17) ~~44.17~~
EL. C	(34.30) ~~34.31~~	(28.94) ~~28.60~~	(43.82) ~~43.84~~
EL. D	(34.57) ~~34.60~~	(28.95) ~~28.86~~	(44.12) ~~44.15~~
EL. E	(35.34) ~~35.35~~	(30.11) ~~30.03~~	(44.93) ~~44.92~~
EL. F	35.80	30.04	45.17
EL. G	(35.96) ~~35.96~~	(30.13) ~~30.12~~	(45.25) ~~45.24~~
ELH	(35.01) ~~34.84~~	(29.17) ~~29.17~~	(44.25) ~~44.33~~
ELJ	(34.52) ~~34.54~~	(28.92) 28.91	(44.05) ~~44.07~~
EL. J	~~34.50~~	29.31	~~44.46~~
ELK	(35.12) (36.02) ~~36.06~~	(29.36) ~~30.30~~ (30.34)	(44.34) ~~45.36~~ (45.40)
EL. L	36.30	30.34	45.54
DIST. I	14.68	12.50	11.08
DIST. II	11.14	9.60	7.27
DIST. III	22.61	22.05	23.31
℄ BRGS.	N30°13'46"E	N30°13'46"E	N18°36'57"E
SLOPE	(0.700%) ~~1.0%~~	(0.383%) ~~1.308%~~	(0.987%) ~~1.31%~~

DESCRIPTION	RUNDOWNS		
	CLIFFROSE	JA COURT	BUTTE COURT
EL. M	36.42	30.46	45.67
EL. N	35.42	29.46	44.67
EL. O	36.42	30.46	45.67
EL. P	36.34	30.38	45.48
EL. Q	34.88	29.25	44.42
EL. R	34.81	29.13	44.29



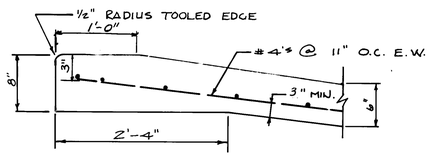
D—D SECTION AT RUNDOWN

NO SCALE



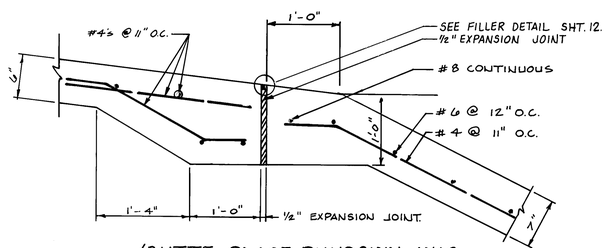
E—E SECTION AT RUNDOWN

NO SCALE



A—A THICKENED EDGE DETAIL

NO SCALE



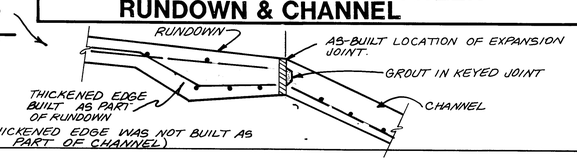
(BUTTE PLACE RUNDOWN WAS BUILT ACCORDING TO PLAN)

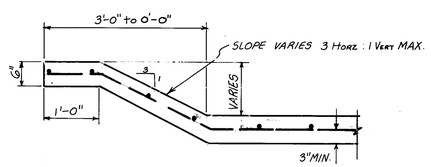
SCALE: 1" = 1'

B—B EXPANSION JOINT BETWEEN RUNDOWN & CHANNEL

AS-BUILT EXPANSION JOINT BETWEEN RUNDOWN & CHANNEL FOR JA COURT RUNDOWN & CLIFFROSE ROAD RUNDOWN

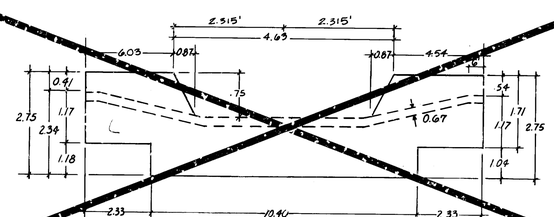
NTS



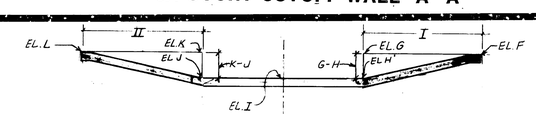


C—C SECTION AT CUTOFF WALL

NO SCALE



JA COURT CUTOFF WALL A—A



SECTION F—F TYP. RUNDOWN SECTION

NO SCALE

26 27941387

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
FIELD INSPECTORS — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
MICROFILMED BY — DATE
NO.

BENCH MARKS

CONTROL: BENCH MARK 7-FII, WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7-FII".

M.S.L. ELEVATION=5116.57'

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

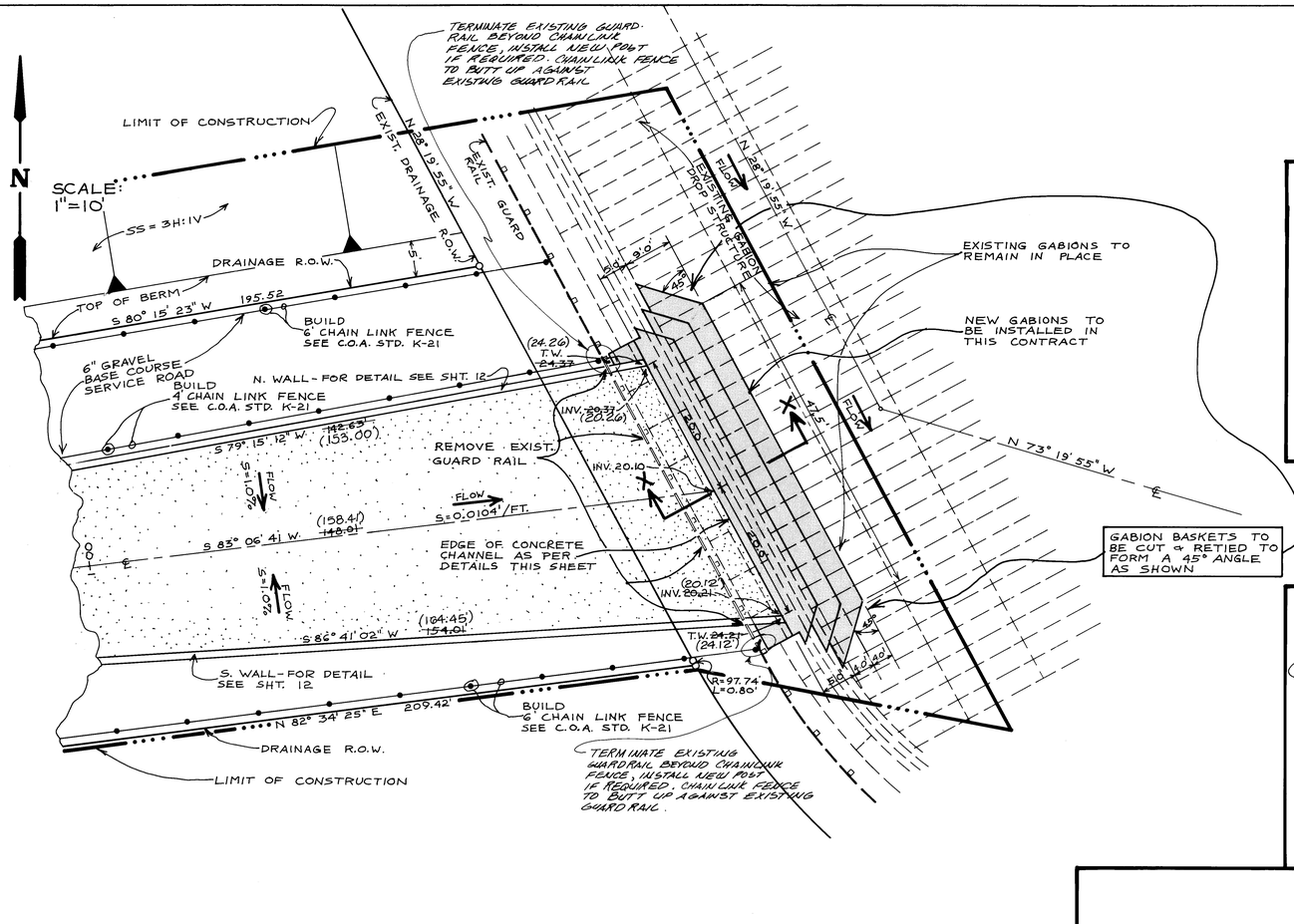
DESIGNED BY AB — DATE 2-86
DRAWN BY AP NS — DATE 2-86
CHECKED BY E.D. — DATE 2-86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT III PHASE I
CHANNEL DETAILS RUNDOWNS & MISC.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	for	6/27/86	Liquid Waste	R. Paiz	5/14/86
A.C.E.-Design	" "	" "	Traffic	NA Dah	5/14/86
A.C.E.-Hydrology	" "	" "	Water	R. Paiz	5/14/86
A.M.A.F.C.A.					

DRAWING NO.	MAP NO.	SHEET	OF
2794	F-10	13	15



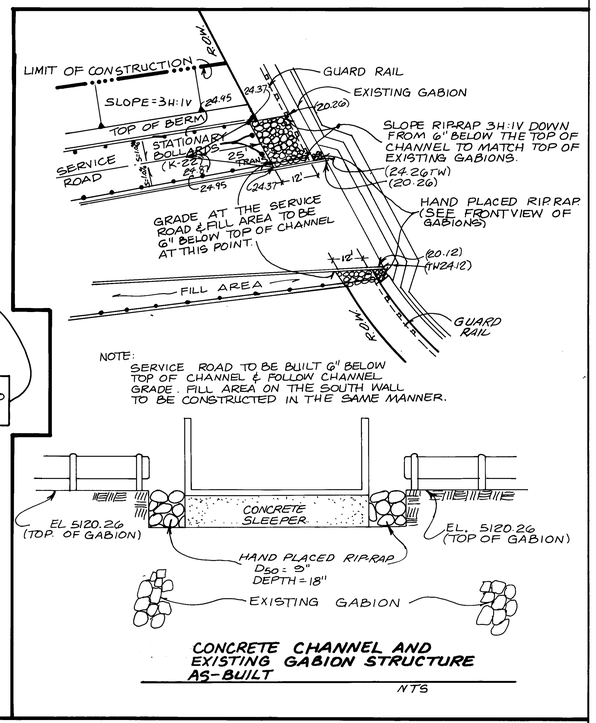
GABION RAMP DETAIL

GENERAL NOTES:

1) CONTRACTOR TO NOTIFY A.M.A.F.C.A. 48 HRS IN ADVANCE OF WORK WITHIN R.O.W. CONTACT LARRY BLAIR @ 884-2215

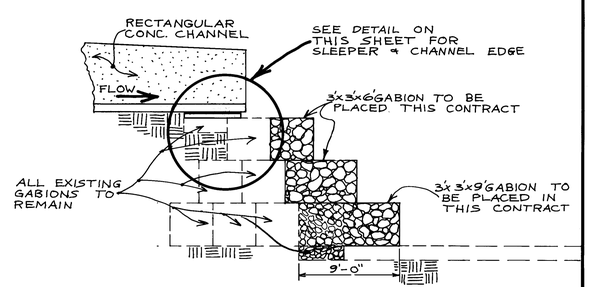
2) CONTRACTOR SHALL SALVAGE ALL REMOVED GUARD RAIL MATERIALS FOR PICK-UP BY A.M.A.F.C.A.

3) ROCKS USED IN FILLING GABION SHALL BE D_{50}=6" AND SHALL MEET SPECIFICATIONS GIVEN IN SECTION 610.



CONCRETE CHANNEL AND EXISTING GABION STRUCTURE AS-BUILT

NTS

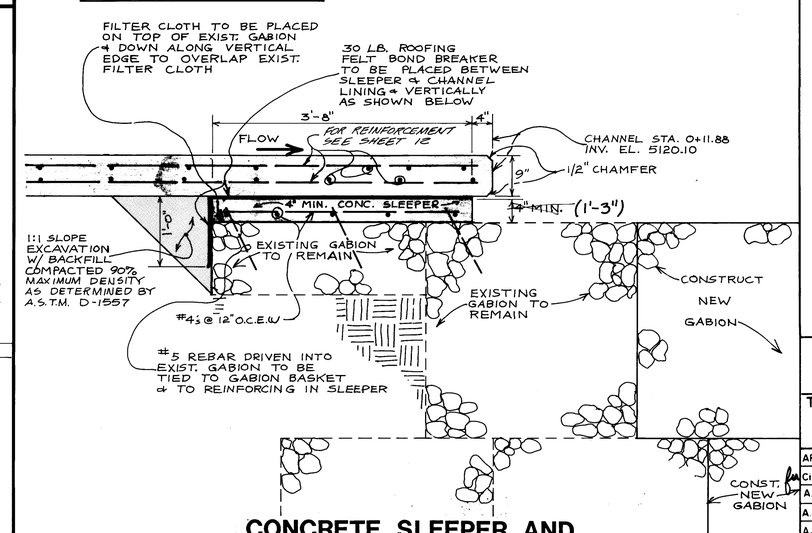


NOTE: ALL NEW GABION BASKETS ARE TO BE WIRE TIED TO EXISTING BASKETS WITH U.S. GAUGE 9 GALVANIZED WIRE AT A MINIMUM OF 8 LOCATIONS ON EACH FACE

SECTION X–X GABION RAMP

SCALE: 1"=5'

NOTE: FILTER CLOTH SHALL BE A NON-WOVEN POLYESTER GEOTEXTILE SUCH AS MIRAFI NO. 140N OR APPROVED EQUAL.



CONCRETE SLEEPER AND CHANNEL EDGE DETAIL

SCALE: 1"=1'-0"

AS BUILT INFORMATION

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

BENCH MARKS

CONTROL: BENCH MARK 7–FIL, WHICH IS THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7–FIL".

M.S.L. ELEVATION=5116.57'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY B.S. DATE 2/86
DRAWN BY C.M. DATE 2/86
CHECKED BY E.D. DATE 2/86

I HEREBY CERTIFY THAT THIS WAS DONE UNDER MY SUPERVISION.

26 27941487

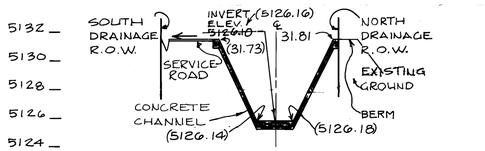
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT III PHASE I

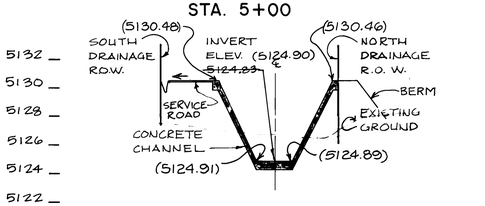
CHANNEL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/27/86	Liquid Waste		5/14/86
A.C.E.-Design	"	"	Traffic		5/14/86
A.C.E.-Hydrology	"	"	Water		5/14/86
A.M.A.F.C.A.		11 June 86			

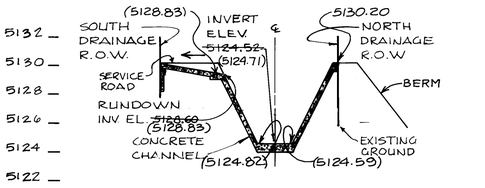
DRAWING NO. 2794 | MAP NO. F-10 | SHEET 14 OF 15



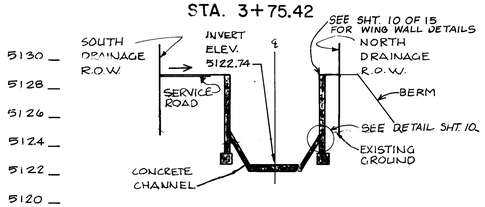
STA. 5+00



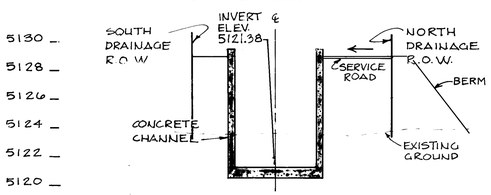
STA. 4+00



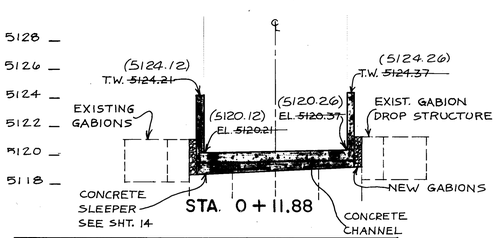
STA. 3+75.42



STA. 2+35.05



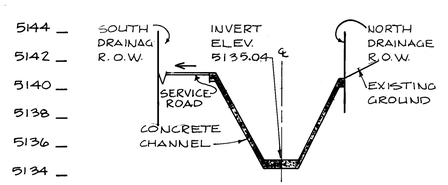
STA. 1+34.89



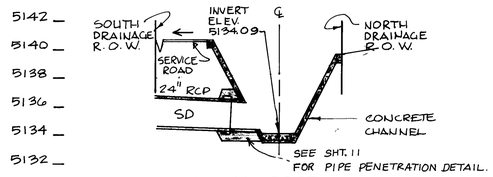
STA. 0+11.88

NOTE:
SUBDIVISION FILL ON SOUTH SIDE OF CHANNEL WILL MATCH SERVICE ROAD GRADE.

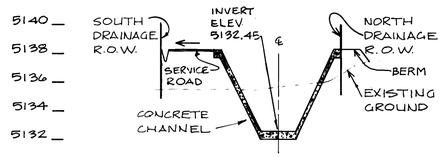
SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



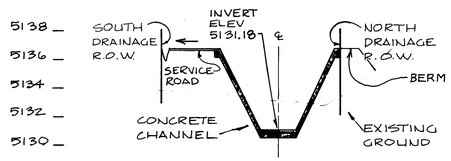
STA. 12+00



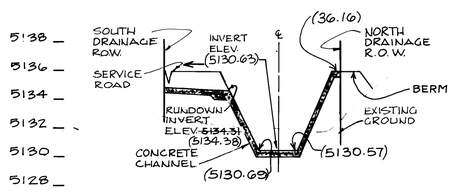
STA. 11+29.03



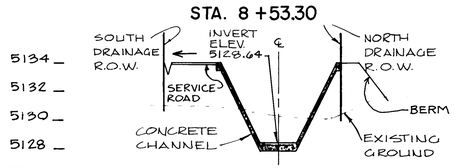
STA. 10+00



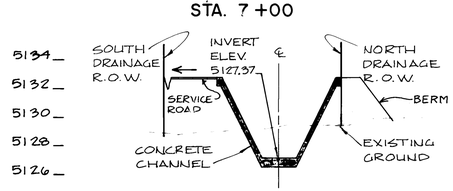
STA. 9+00



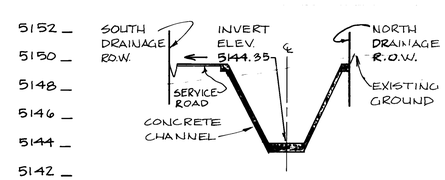
STA. 8+53.30



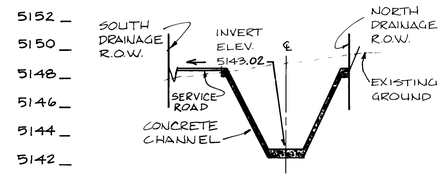
STA. 7+00



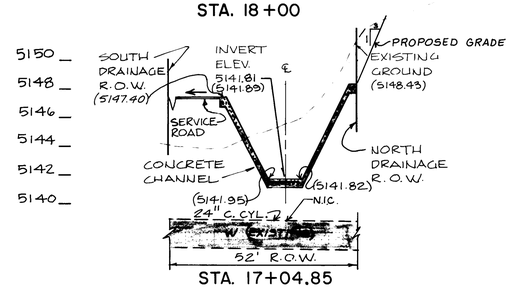
STA. 6+00



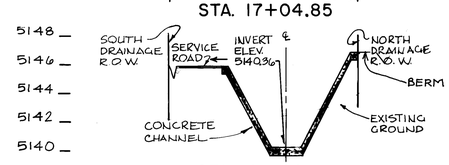
STA. 19+00



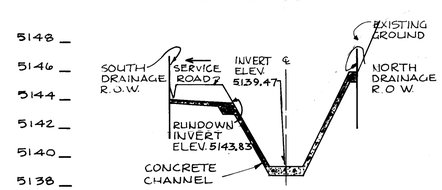
STA. 18+00



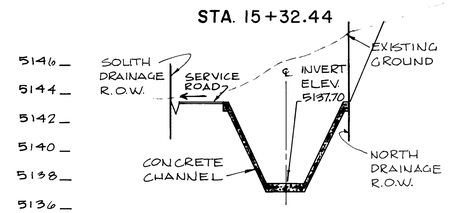
STA. 17+04.85



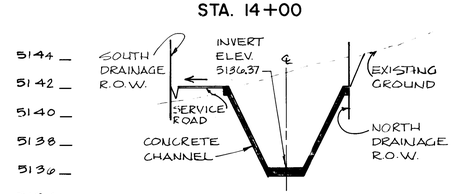
STA. 16+00



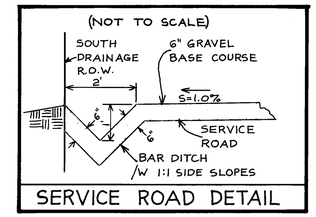
STA. 15+32.44



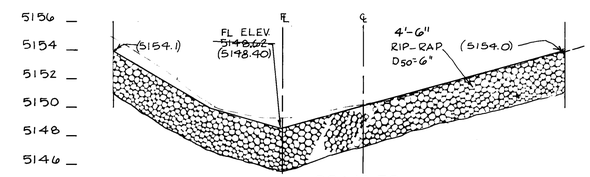
STA. 14+00



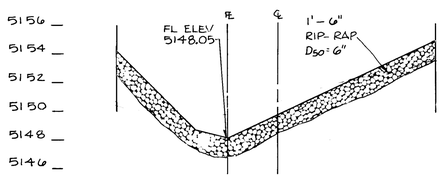
STA. 13+00



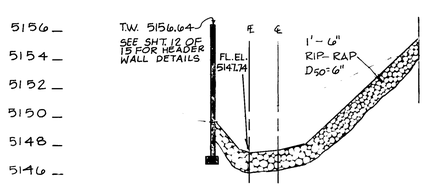
SERVICE ROAD DETAIL



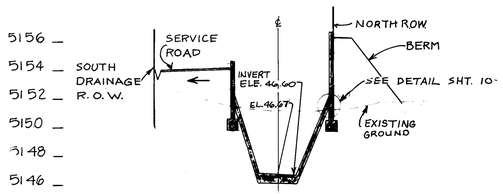
STA. 22+12.32



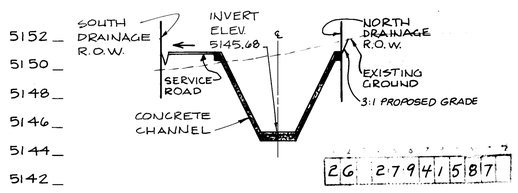
STA. 21+81.67



STA. 21+61.67



STA. 20+75.60



STA. 20+00

NOTE:
NORTH SIDE OF CHANNEL—BUILD EARTH BERM TO MEET EXIST. GRADE W/FILL @ 3H:1V SIDESLOPES MAXIMUM & TOP WIDTH OF 5'-0" FROM R.O.W. LINE

BENCH MARK

CONTROL: BENCH MARK 7—F11, WHICH BEARS N 26° 09' 08" E, 758.55' FROM THE S.E. CORNER OF SANTA FE VILLAGE III, A 3/4" PIPE. BENCH MARK IS A STANDARD A.C.S. BRASS CAP STAMPED "7—F11".

M.S.L. ELEVATION=5116.57'

REMARKS

REVISIONS	BY	DATE
	B.S.	2-86
	A.P.	2-86
	E.D.	2-86

ENGINEER

26 27 9 4 1 5 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SANTA FE VILLAGE UNIT III PHASE I

CHANNEL CROSS-SECTIONS

	ENGINEER	DATE	APPROVAL	ENGINEER	DATE
City Engineer		6/27/86	Solid Waste	R. Pena	5/14/86
A.C.E. Design	" "		" Traffic		
A.C.E. Hydrology	" "		" Water	MAD WH R. Pena	5/14/86
A.M.A.F.C.A.					

DRAWING NO	MAP NO	SHEET	OF
2794	F-10	15	15