

CITY OF ALBUQUERQUE
NEW MEXICO



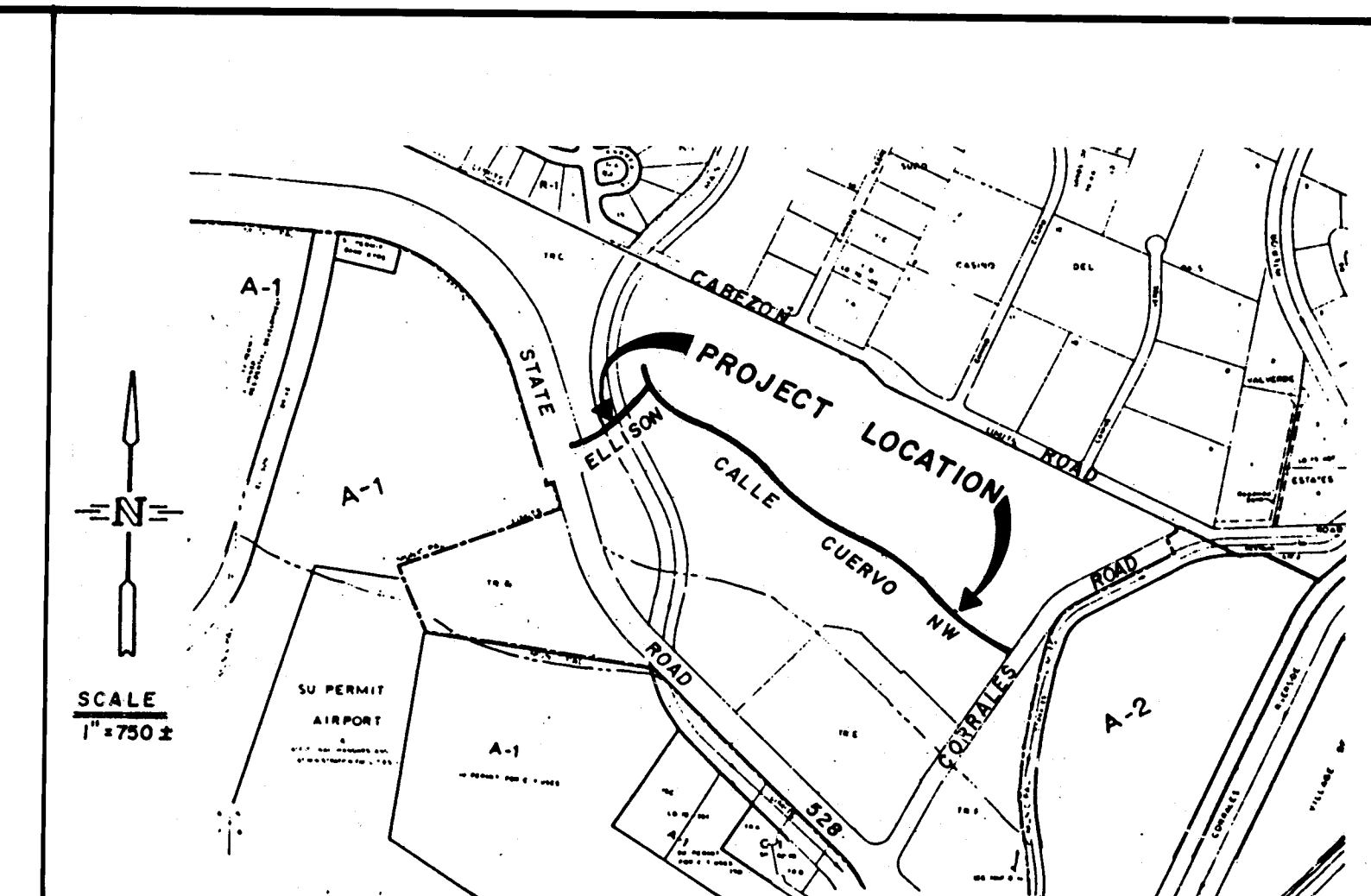
CALLE CUERVO NW
&
ELLISON DRIVE NW

OCTOBER, 1985

CROW WESTERN COMPANY

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2 & 3	PLATS
4	STREET X-SECTIONS
5-9	CALLE CUERVO, NW - PAVING PLANS & PROFILES
10	CORRALES ROAD, NW - TRAFFIC ISLANDS & PAVEMENT WIDENING
11	ELLISON DRIVE, NW - PAVING PLAN & PROFILE
12	DRIVEWAYS "A" & "B" - DECELERATION LANES, PLANS & PROFILES
13	DRIVEWAYS "A" & "B" - DECELERATION LANES, PAVING X-SECTIONS
14	TRAFFIC ISLAND AT JEMEZ BLDG.
15	SEWER & WATER LAYOUT PLAN
16	NMUI REQUIREMENTS FOR SEWER & WATER FACILITIES
17	CALLE CUERVO & ELLISON DR., NW - SEWER & WATER, PLANS & PROFILES
18	CALLE CUERVO, NW - SEWER & WATER, PLANS & PROFILES
19	CORRALES ROAD - 10" FORCE MAIN, PLAN & PROFILE
20	CORRALES ROAD - LIFT STATION LOCATION & 10" FORCE MAIN, PLAN & PROFILE
21	LIFT STATION LAYOUT
22	LIFT STATION DETAILS
23	LIFT STATION ELECTRICAL DETAILS
24-28	PRIVATE DRAINAGE CHANNEL PLAN & PROFILE (PHASE I/II BOUNDARY)
29-31	PRIVATE DRAINAGE CHANNEL PLAN & PROFILE (PHASE II/III BOUNDARY)



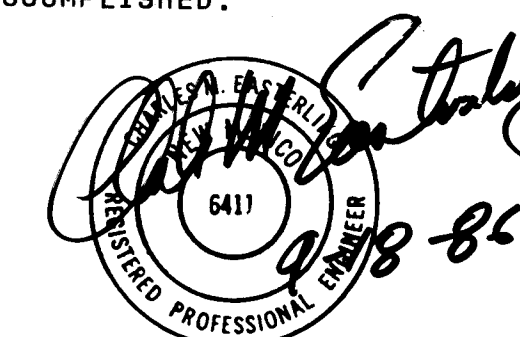
VICINITY MAP
ZONE ATLAS MAP NO. A-14

GENERAL NOTES:

- All work detailed on these plans to be performed under this Contract shall, except as otherwise stated or provided for in the Special Provisions of the Contract, be constructed in accordance with the City of Albuquerque Interim Standard Specifications for Public Works Construction - 1985 Edition.
- Two (2) working days prior to any excavation, Contractor must contact Line Locating Service, 765-1234, for locating of existing utilities. For water and sewer lines, call N.M.U.I., 898-2661.
- 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 so that the conflict can be resolved with minimum amount of delay.
- All utilities and utility service lines shall be installed prior to paving.
- Backfill compaction shall be according to specified street use.
- Tack coat requirements shall be determined by the City Engineer.
- Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- If curb is depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to acceptance of the curb and gutter.
- All storm drainage facilities shall be completed prior to final acceptance.
- Disposal of all waste material shall be the responsibility of the Contractor as specified in Section 6.14 of the General Conditions in the City of Albuquerque Interim Standard Specifications for Public Works Construction - 1985 Edition.
- All construction, inspection and certification shall be in conformance with the approved Subdivision Improvements Agreement.
- The Contractor shall submit a traffic control plan and receive a barricading permit from the City Traffic Engineer prior to construction within the State Road No. 528 and Corrales Road, NW right-of-ways.

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Brian L. Speck
5/24/87

OWNERSHIP OF DOCUMENTS

This document, and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Easterling & Associates, Inc., and is not to be used, in whole or in part, for any other project without the written authorization of Easterling & Associates, Inc.

CONSTRUCTION SAFETY

These drawings do not include necessary components for construction safety which shall remain the contractor's responsibility.

1 2 3 4 5 6 7 8 9 10 11 12
26 26 49 01 87

REV.	SHEETS	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
1	THRU 29	5/1/86	ALC					

APPROVAL OF REVISIONS

PLANS PREPARED UNDER DIRECTION OF: 	EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS 5643 PARADISE BLVD. N.W. ALBUQUERQUE, NEW MEXICO 87114 (505) 898-8021	APPROVED FOR CONSTRUCTION Assoc. CITY ENGINEER
DATE 10-31-85	PROJECT NO. 2649	SHEET 1 OF 29

LEGAL DESCRIPTION

That certain parcel of land situate within the Town of Alameda Grant in projected Section 5, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico, comprising Tract D, Seven-Bar Ranch, as the same is shown and designated on the plat entitled "SUMMARY PLAT, SEVEN-BAR RANCH (FOR ANNEXATION)", filed in the office of the County Clerk of Bernalillo County, New Mexico, on June 8, 1981, and Tracts C-5 and C-6, Seven-Bar Ranch, as the same are shown and designated on the plat entitled "TRACTS C-1 THRU C-6, SEVEN-BAR RANCH, WITHIN PROJECTED SECTIONS 5 & 6, TOWNSHIP 11 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, TOWN OF ALAMEDA GRANT, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico, on July 26, 1984, more particularly described as follows:

BEGINNING at the Southeast corner of the parcel herein described, the Southeast corner of said Tract D and the Northeast corner of Tract "A-1-1-A", as the same is shown and designated on the plat entitled "REVISED SUMMARY PLAT OF TRACT 'A-1-1-A' OF THE BLACK RANCH, BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico, on September 10, 1980, whence (1) the Northwest corner of projected Section 6, Township 11 North, Range 3 East (an existing 1-1/2" iron pipe in place) bears N 60° 54' 04" W, 9761.58 feet distant, and (2) New Mexico State Highway Commission Monument "NM-448-N12" bears S 33° 14' 12" W, 1356.98 feet distant; Thence along the Northeast and Northwest line of said Tract "A-1-1-A" on the following 6 courses,

N 45° 53' 12" W, 330.00 feet to a point; Thence,
S 44° 08' 31" W, 17.00 feet to a point; Thence,
N 45° 53' 12" W, 252.46 feet to a point; Thence,
S 70° 28' 41" W, 47.03 feet to a point; Thence,
S 81° 08' 03" W, 116.85 feet to a point; Thence,
S 44° 08' 31" W, 547.53 feet to the Southwest corner of said Tract "A-1-1-A", a point on the Northeastly right of way line of New Mexico State Highway No. 528; Thence,

N 45° 51' 29" W, 495.01 feet along said Northeastly right of way line of New Mexico State Highway No. 528 to a point of curvature; Thence,

Northwesterly, 552.71 feet along said Northeastly right of way line of New Mexico State Highway No. 528 on the arc of a curve to the right (said curve having a radius of 1137.74 feet and a chord which bears N 31° 56' 27" W, 547.27 feet) to a point of tangency; Thence,

N 18° 01' 26" W, 275.19 feet along said Northeastly right of way line of New Mexico State Highway No. 528 to a point; Thence,

N 71° 58' 34" E, 40.00 feet along said Northeastly right of way line of New Mexico State Highway No. 528 to a point; Thence,

N 18° 01' 26" W, 412.00 feet along said Northeastly right of way line of New Mexico State Highway No. 528 to the Northwest corner of said Tract C-5; Thence,

N 71° 58' 34" E, 144.76 feet to the Northeast corner of said Tract C-5, a point on curve on the Westerly line of said Tract D; Thence,

Northeasterly, 603.88 feet along said Westerly line of Tract D on the arc of a curve to the right (said curve having a radius of 786.78 feet and a chord which bears N 15° 17' 47" E, 589.17 feet) to the Northwest corner of said Tract D, a point on the Southwestly right of way line of Cabezon Road, and the Northwest corner of the parcel herein described; Thence, Southeasterly along said Southwestly right of way line of Cabezon Road on the following five (5) courses,

S 64° 58' 18" E, 635.89 feet to a found 2" iron pipe for a point; Thence,

S 64° 56' 06" E, 678.76 feet to a found 5/8" rebar for a point; Thence,

S 44° 06' 06" E, 172.50 feet to a point; Thence,

S 65° 05' 14" E, 1247.87 feet to a point of curvature; Thence,

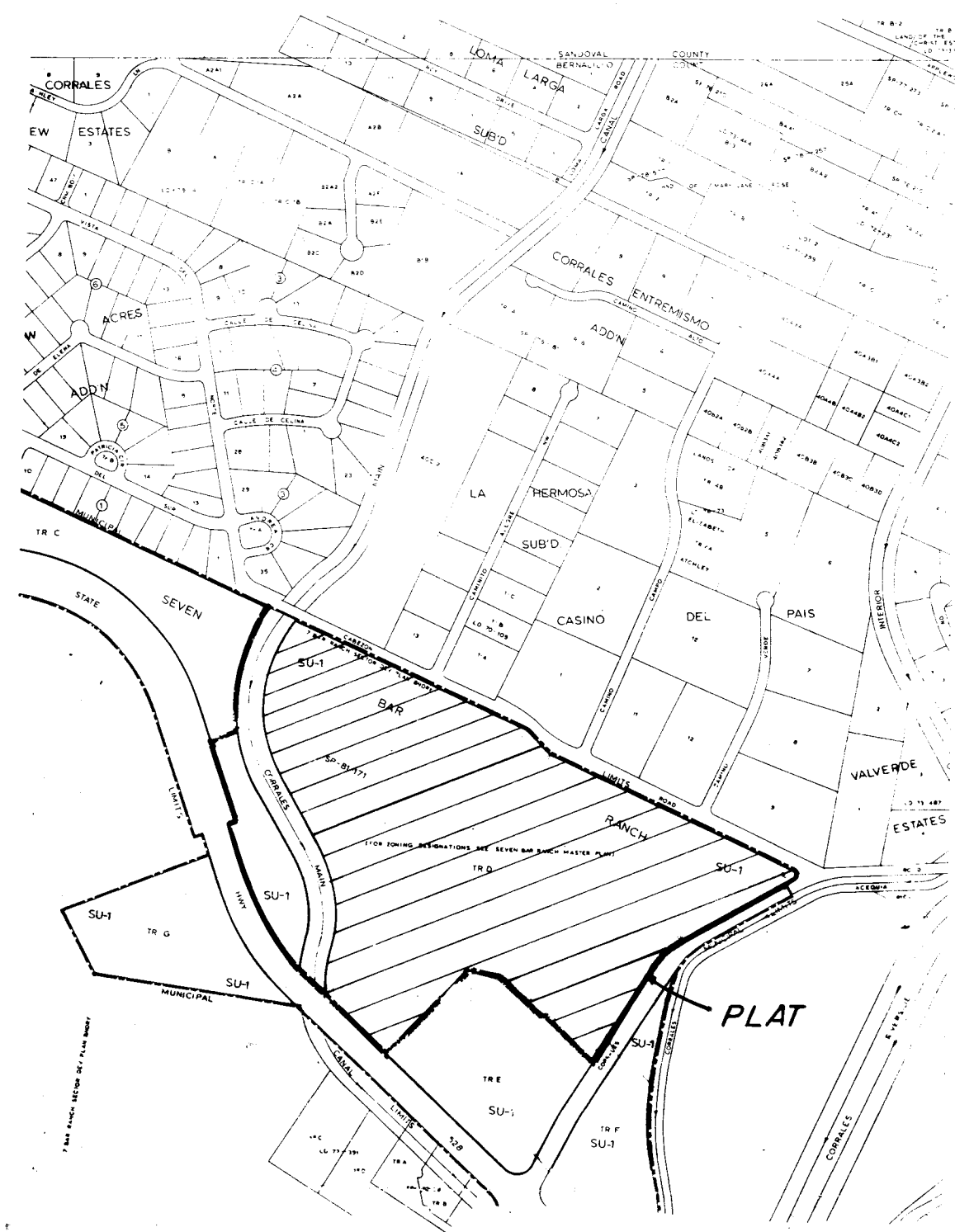
Southeasterly, 55.06 feet along the arc of a curve to the right (said curve having a radius of 25.00 feet and a chord which bears S 01° 59' 49" E, 44.59 feet to a point of tangency on the Northwestly right of way line of Corrales Road; Thence Southwestly along said Northwestly right of way line of Corrales Road on the following three (3) courses,

S 61° 05' 37" W, 544.67 feet to a point of curvature; Thence,

Southwesterly, 235.95 feet along the arc of a curve to the left (said curve having a radius of 490.94 feet and a chord which bears S 47° 19' 30" W, 233.69 feet) to a point of tangency; Thence,

S 33° 33' 23" W, 539.77 feet to the Southeast corner and point of beginning of the parcel herein described.

Said parcel contains 69.6441 acres, more or less.



VICINITY MAP

N.T.S.

GENERAL NOTES

- Bearings are grid and based on the New Mexico State Plane Coordinate System, Central Zone, and rotated to grid at the New Mexico State Highway Commission Monument "NM-448-N12".
- Distances are ground.
- Distances along curved lines are arc lengths.
- Delta Alpha = -00° 13' 46"
- Combined ground to grid factor = 0.99967595
- All corners are a 5/8" rebar and survcap stamped "HUGG LS 5823" unless otherwise indicated.

TRACTS D-1 THRU D-5

AND

TRACTS C-5A AND C-6A

SEVEN-BAR RANCH

CITY OF ALBUQUERQUE

BERNALILLO COUNTY, NEW MEXICO

JULY, 1985

APPROVALS

Adalberto J. Jaramila 11-26-85
Traffic Engineer, City of Albuquerque Traffic Dept. Date

Wendell H. Hugg 09-17-85
Chief City Surveyor, City of Albuquerque Engineering Department Date

Jon E. Eidsgrand 11-26-85
City of Albuquerque Water Resources Department Date

Frank J. Cigueni 12-18-85
Albuquerque Metropolitan Arroyo Flood Control Authority Date

Frank J. Cigueni 12-18-85
City Engineer, City of Albuquerque Engineering Department Date

O. Val Vallen 9-17-85
Property Management, City of Albuquerque Date

James S. Siders 11-26-85
Parks and Recreation Department, City of Albuquerque Date

APPROVAL and CONDITIONAL ACCEPTANCE as specified by the Albuquerque Subdivision Ordinance.

Richard D. Duman 12-18-85
Chairman, Albuquerque/Bernalillo County Development Review Board Date

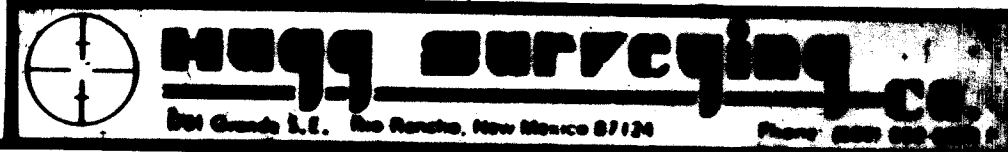
SURVEYORS CERTIFICATE

I, Garry P. Hugg, New Mexico Professional Land Surveyor Number 5823, hereby certify that this plat of survey was prepared from field notes of an actual ground survey performed by me or under my supervision; that it shows all easements of record; that it meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance; that it meets the Standards for Land Surveys in New Mexico as adopted by the New Mexico State Board of Registration for Professional Engineers and Land Surveyors; and that it is true and correct to the best of my knowledge and belief.

Garry P. Hugg
Garry P. Hugg
NMPLS No. 5823
Date 7-22-85



SHEET 1 OF 4



REVISED 12/12/85

DEDICATION

SURVEYED and REPLATED and now comprising TRACT D-1 THRU D-5 AND TRACTS C-5A AND C-6A, SEVEN-BAR RANCH, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, with the free consent of and in accordance with the wishes and desires of the undersigned owner(s) and proprietor(s) thereof. Subject to reservations stated hereinafter, said owner(s) and proprietor(s) do hereby dedicate all streets and public rights of ways shown hereon to the City of Albuquerque in fee simple and do hereby grant certain easements as shown hereon for storm drainage purposes to the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) and do hereby grant all drainage and utility easements shown hereon to the public use including rights of ingress and egress (both surface and subsurface). Grantors reserve the unilateral right to grant, from time to time, to any appropriate irrigation authority or political entity the right to use the non-exclusive AMAFCA Channel Easement for irrigation purposes. Said owner(s) and proprietor(s) reserve and except from the dedications and easements granted herein all water rights and rights to subsurface minerals, including but not limited to, oil, gas and carbon dioxide together with all rights to explore for, develop, mine and produce the same by any method known or hereinafter developed provided, however, that such reserved rights shall not be construed to allow interference with the dedicated easement areas for the purpose intended. Air rights are similarly reserved and excepted to the extent the use of such air rights does not interfere with the surface use or maintenance of the dedicated easement areas. All rights of ways and easements dedicated and granted shall automatically revert to the owner(s), its successors and assigns as and to the extent the rights of ways and easements or any of them or any portion thereof: (i) are, or become at any time, not necessary for the purpose stated; (ii) are not used for the purpose stated within a reasonable time after the date hereof; or (iii) at any time after commencement of the use for the purpose stated, such rights of ways or easements cease to be used for the purpose stated. No drainage easement granted to AMAFCA shall be deemed abandoned in whole or part except by resolution adopted by the Board of Directors of AMAFCA, and any reversion shall be conveyed by Quit Claim Deed. The undersigned owner(s) and proprietor(s) do hereby freely consent to all of the foregoing and do hereby represent that they are so authorized to act.

CORRALES OFFICE PLAZA, LTD., a Limited Partnership
SEVEN-BAR RANCH AND CATTLE COMPANY, General Partner

John F. Black
John F. Black, General Partner

C. C. LIMITED, a Limited Partnership
SEVEN-BAR RANCH AND CATTLE COMPANY, General Partner

John F. Black
John F. Black, General Partner

ACKNOWLEDGEMENT

STATE OF NEW MEXICO SS

COUNTY OF BERNALILLO

On this 22nd day of July, 1985, before me the undersigned, a Notary Public, personally appeared John F. Black, to me known to be Managing Partner of Seven-Bar Land and Cattle Company, a General Partner in both Corrales Office Plaza Ltd. and C.C. Limited, who acknowledged the foregoing instrument on behalf of said partnerships.

Donna R. Hugg
Notary Public

OFFICIAL SEAL
DONNA R. HUGG
NOTARY PUBLIC - STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 8-15-87

ACKNOWLEDGEMENT

STATE OF NEW MEXICO SS

COUNTY OF SANDOVAL

On this 22nd day of July, 1985, before me the undersigned, a Notary Public, personally appeared Garry P. Hugg, to me known to be New Mexico Professional Land Surveyor Number 5823, who acknowledged to me that he signed and sealed the accompanying Surveyors Certification as his free and voluntary act and deed.

Donna R. Hugg
Notary Public

OFFICIAL SEAL
DONNA R. HUGG
NOTARY PUBLIC - STATE OF NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires 8-15-87

TRACTS D-1 THRU D-5

AND

TRACTS C-5A AND C-6A

SEVEN-BAR RANCH

CITY OF ALBUQUERQUE

BERNALILLO COUNTY, NEW MEXICO

JULY, 1985

APPROVALS

Harvey R. Rugg 10-1-85
Public Service Company of New Mexico Date

Frank J. Cigueni 12-18-85
Gas Company of New Mexico Date

Wayne H. Hugg 10-30-85
Mountain Bell Telephone Company Date

NOTE: THERE IS A RECIPROCAL ACCESS, DRAINAGE AND UTILITY EASEMENT BETWEEN TRACTS D-1, D-2 AND D-3, AS FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON 12-18-85, IN VOLUME 12122-2222 FOLIO 222-122.

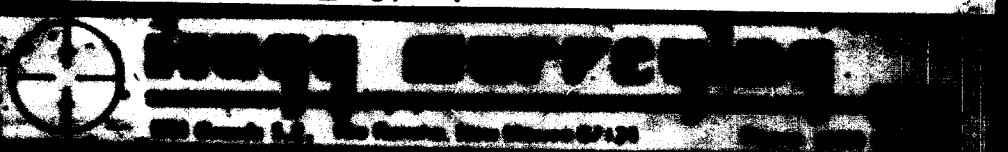
APPROVAL

J. P. Hugg
New Mexico Utilities, Inc. Date

Note: These properties are within the New Mexico Utilities, Inc. (NMU, Inc.) franchise area. Water and Sanitary Sewer System capabilities are based on the NMU, Inc. facilities, not the City of Albuquerque.



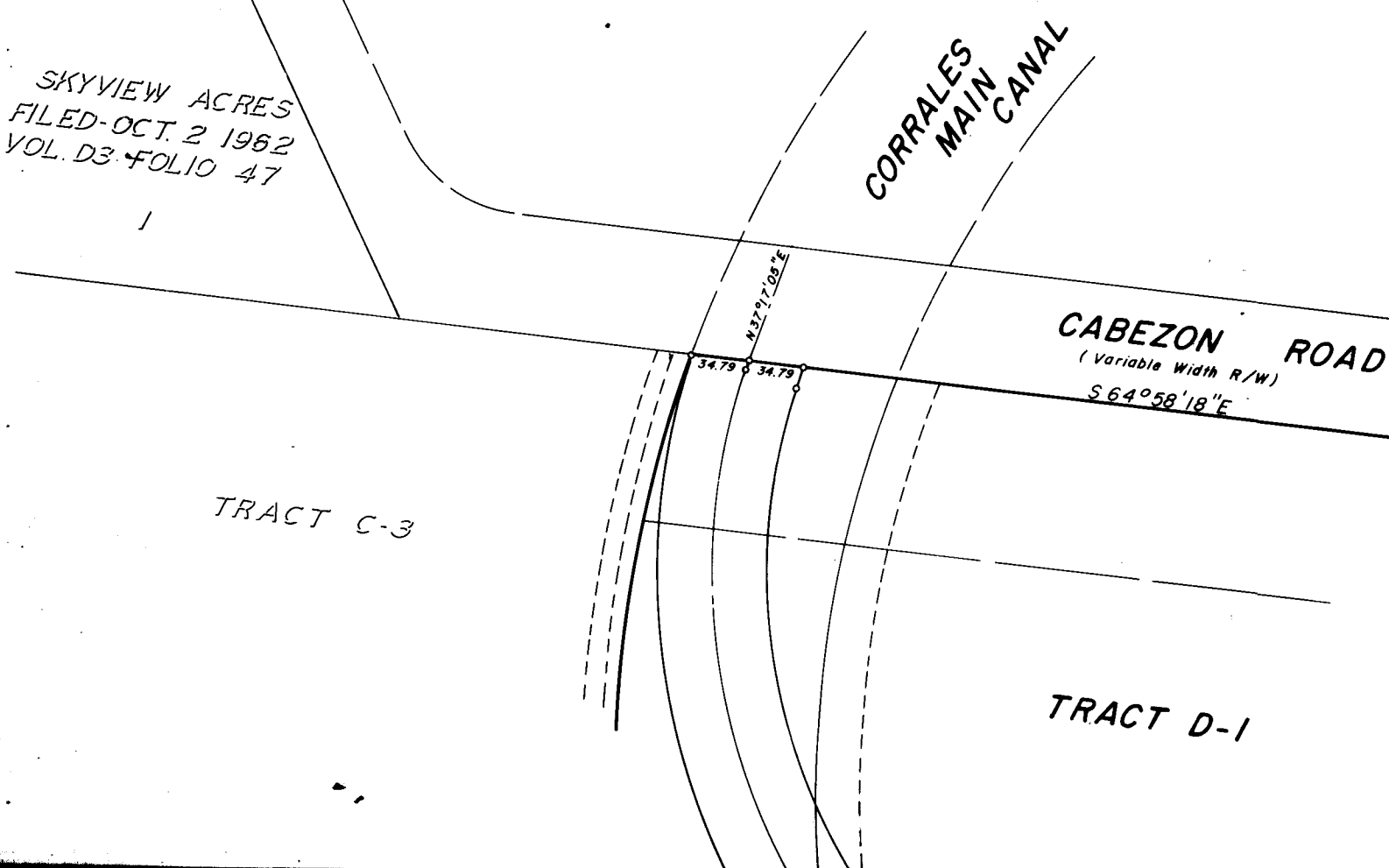
SHEET 2 OF 4



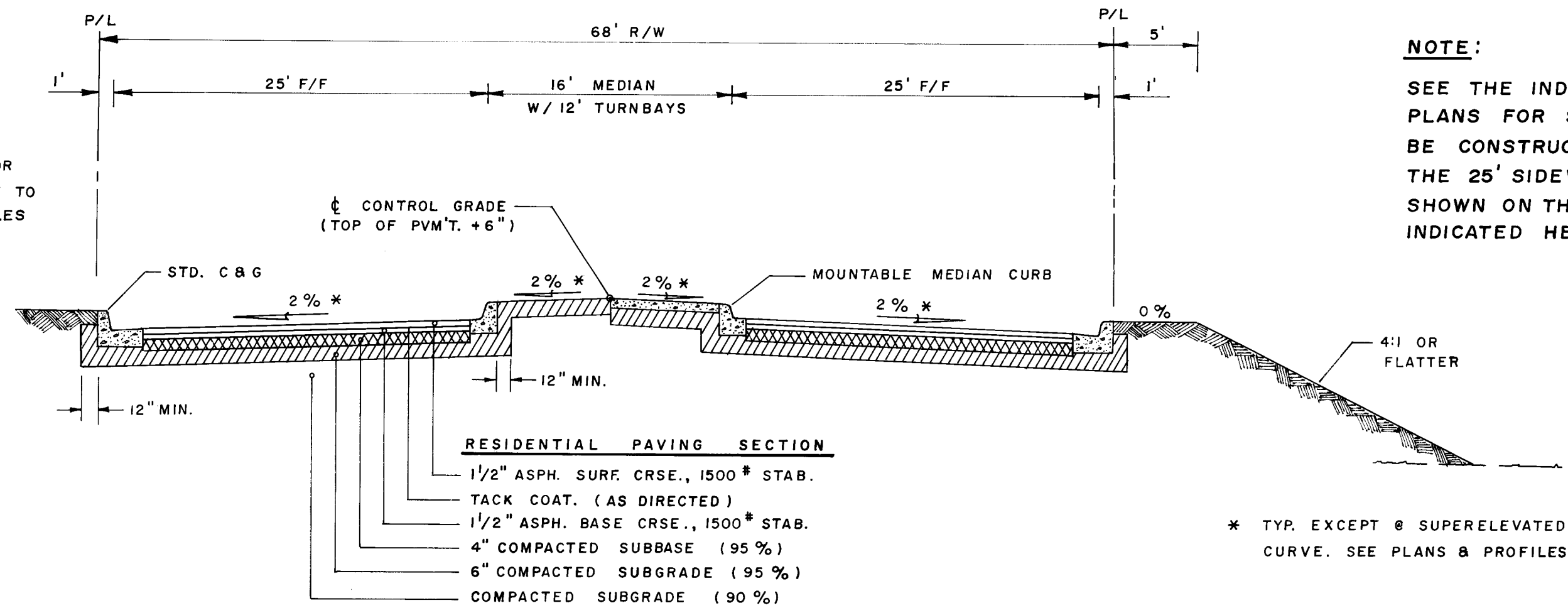
REVISED 12/12/85

DETAIL 'A'

Scale 1" = 100'



NOTE: SEE SITE PLANS FOR GRADING ADJACENT TO PUERTA DE CORRALES PHASES I & II



TYPICAL X-SECTION
CALLE CUERVO STA. 18+35 TO STA. 36+44

NOTE:

LAY DOWN CURB WITHIN SITE ENTRANCE
CURB RETURNS FOR WHEELCHAIR RAMPS
AS SHOWN ON STD. DWG. P-17.
COORDINATE WITH SITE LANDSCAPING
DRAWINGS.

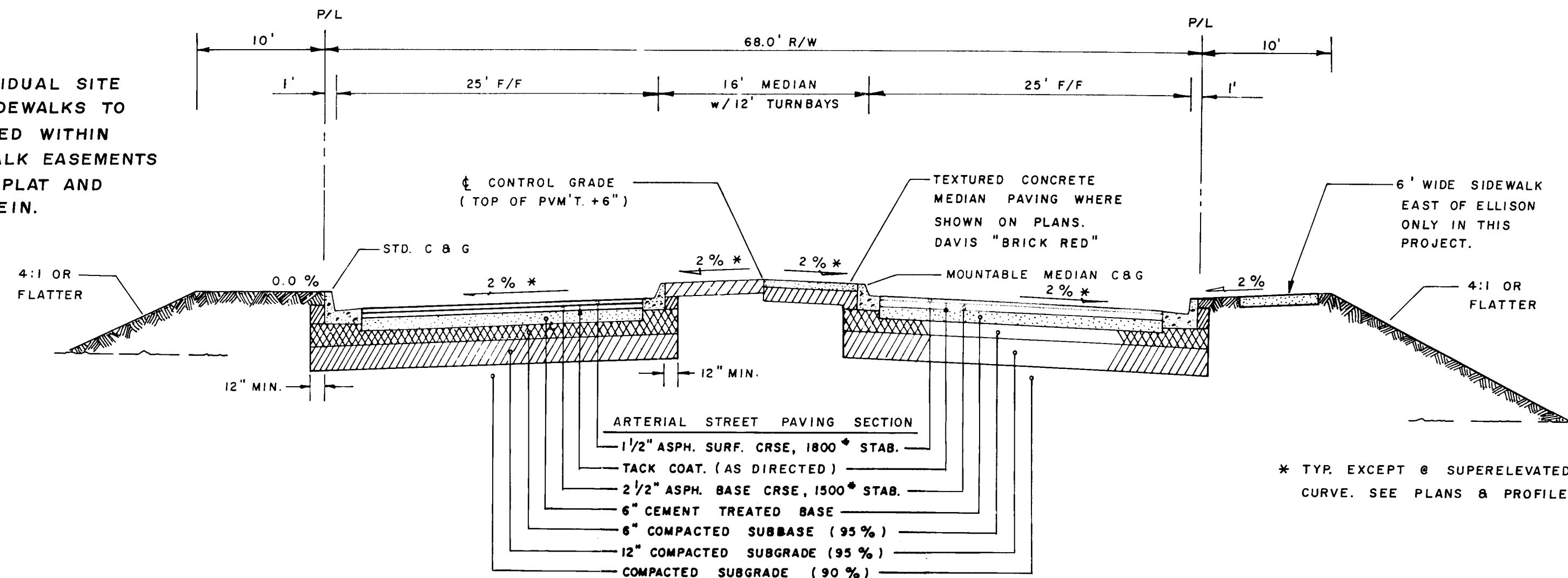
NOTE:

SEE THE INDIVIDUAL SITE
PLANS FOR SIDEWALKS TO
BE CONSTRUCTED WITHIN
THE 25' SIDEWALK EASEMENTS
SHOWN ON THE PLAT AND
INDICATED HEREIN.

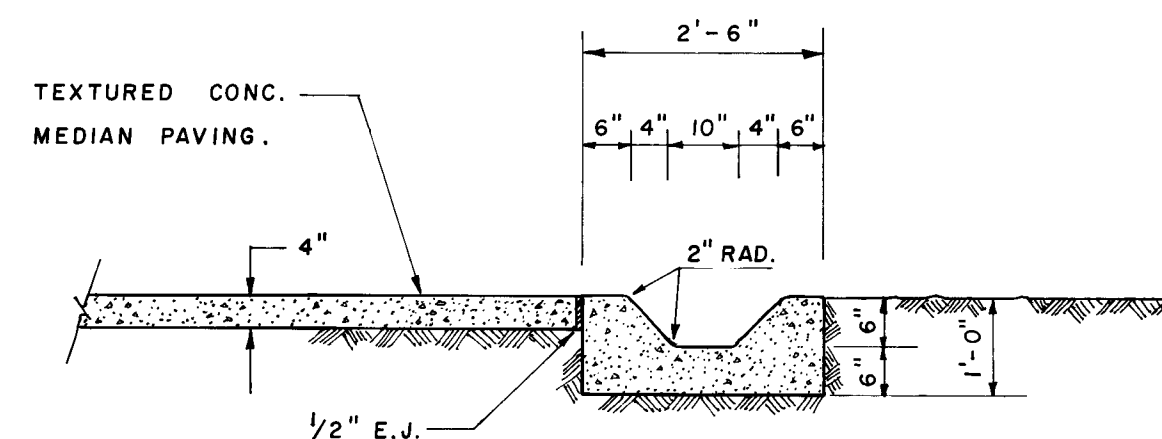
* TYP. EXCEPT @ SUPERELEVATED
CURVE. SEE PLANS & PROFILES.

NOTE:

CITY WORK ORDER ITEMS APPLY
ONLY TO WORK SHOWN WITHIN
THE STREET RIGHT-OF-WAYS
AND APPLICABLE ITEMS WITHIN
THE SIDEWALK EASEMENTS SUCH
AS SIDEWALKS AND DRIVEPADS,
VALLEY GUTTERS, TRAFFIC CON-
DUITS, ETC. ALL OTHER WORK
IS PRIVATE.



TYPICAL X-SECTION
ELLISON DRIVE &
CALLE CUERVO STA. 16+54 TO STA. 18+35

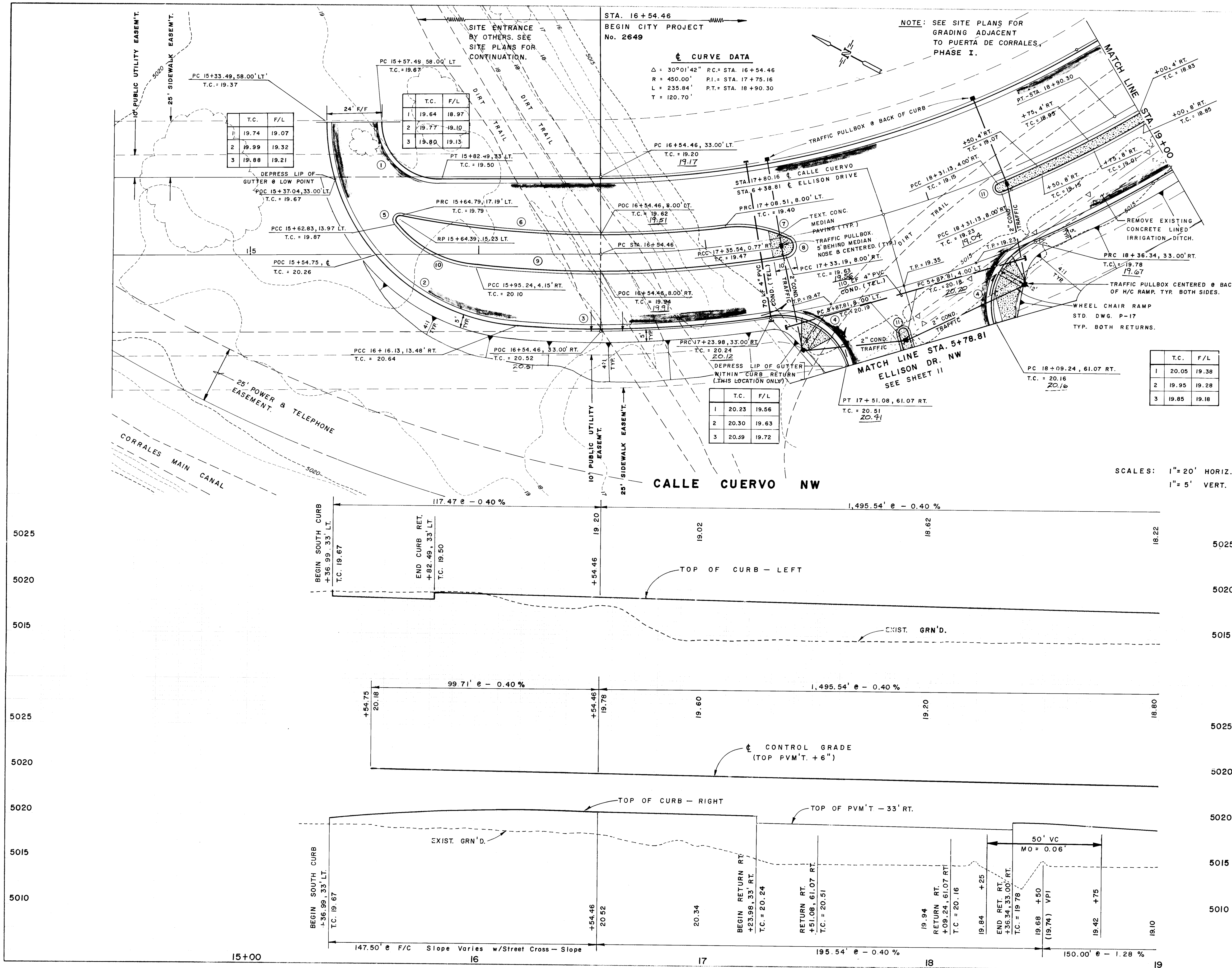


SECTION THROUGH MEDIAN CURB SLOT
STA. 28+96
STA. 19+45

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	UNIVERSAL CONSULTING, INC.	DATE		NO.	BY	DATE		NO.	DATE	REMARKS	BY
DESIGNED BY	DAVID HARRISON	DATE									
INSPECTED BY	DAVID HARRISON	DATE									
FIELD	DAVID HARRISON	DATE									
MICRO-FILM INFORMATION											
RECORDED BY		DATE									
NO.											

26 26 49 04 87

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: STREET X-SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	N.A.		Liquid Waste	NA MB	11-25-85
A.C.E. Design	N.A.	11/25/85	Traffic	DA Harrison	11-25-85
A.C.E. Hydrology	N.A.		Water	NA MB	11-25-85
MOD/ENG	N.A.	11/25/85			
DRAWING NO.	2649	MAP NO.	A-14	SHEET	4 OF 29



CURB CURVE DATA			
NO.	RAD.	DELTA	ARC.
1	25.00'	90°00'00"	39.27'
2	89.76'	85°26'53"	133.58'
3	483.00'	04°33'07"	38.37'
4	31.00'	82°50'50"	44.82'

MEDIAN CURVE DATA			
NO.	RAD.	DELTA	ARC.
5	2.00'	140°40'58"	4.91'
6	442.00'	11°42'17"	90.29'
7	50.00'	32°45'40"	28.59'
8	4.00'	144°05'45"	10.06'
9	458.00'	07°25'47"	59.39'
10	50.00'	43°35'32"	38.04'
11	2.00'	180°00'00"	6.28'

T.C.	F/L
1	20.05
2	19.95
3	19.85

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

26 26490587

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN
REVISED IN ACCORDANCE WITH
INFORMATION PROVIDED BY
EASTERLING & ASSOCIATES, INC.
TO REFLECT THE CONSTRUCTION
AS ACCOMPLISHED.



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE CALLE CUERVO NW PAVING PLAN & PROFILE STA. 16+54.46 TO STA. 19+00.00			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	NA 3/28	11-25-85	Liquid Waste
ACE Design	NA 3/28	11-25-85	Water
MOO/ENG	NA 3/28	11-25-85	
DRAWING NO.	2649	MAP NO.	A-14
SHEET 5 OF 29		NO. 29	

NOTE: SEE SITE PLANS FOR GRADING ADJACENT TO PUERTA DE CORRALES PHASE I

	T.C.	F/L
1	17.92	17.25
2	17.80	17.13
3	17.75	17.08

	T.C.	F/L
1	17.64	16.97
2	17.50	16.83
3	17.40	16.73

	T.C.	F/L
1	17.15	16.48
2	17.03	16.36
3	16.96	16.29

	T.C.	F/L
1	16.73	16.06
2	16.91	16.24
3	17.22	16.55

CURB CURVE DATA			
No.	RAD.	DELTA	ARC
(2)	30.00'	90°00'00"	47.12'
(3)	30.00'	79°53'27"	41.83'
(4)	30.00'	95°28'48"	49.99'

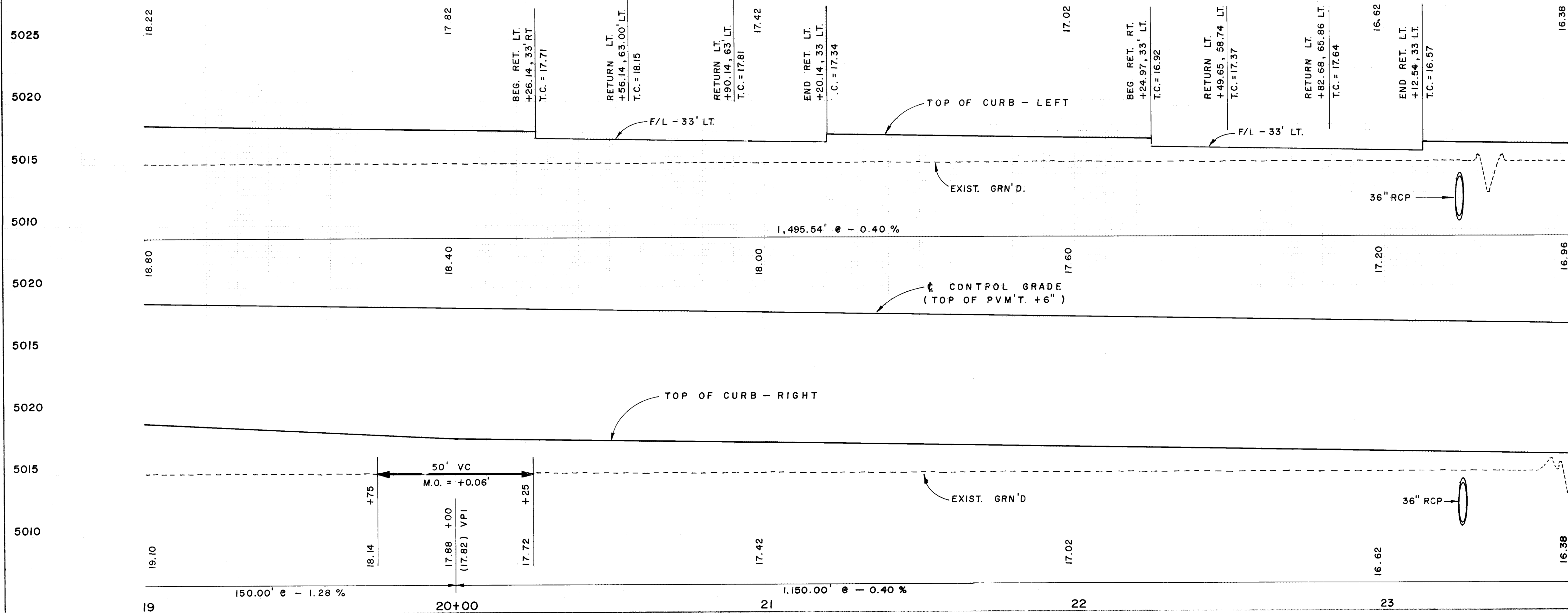
MEDIAN CURVE DATA			
No.	RAD.	DELTA	ARC
(15)	150.00'	16°15'37"	42.57'
(16)	4.00'	145°41'52"	10.17'
(17)	50.00'	34°18'04"	29.93'
(18)	75.00'	19°53'17"	26.03'
(19)	75.00'	26°49'02"	34.98'
(1)	2.00'	180°00'00"	6.28'

CURVE DATA			
$\Delta = 15^{\circ}09'10"$	PC STA. = 21+33.14		
R = 500.00'	PI STA. = 21+99.64		
L = 132.23'	PT STA. = 22+65.37		
T = 66.50'			

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

CALLE CUERVO NW

1,495.54' @ -0.40 %

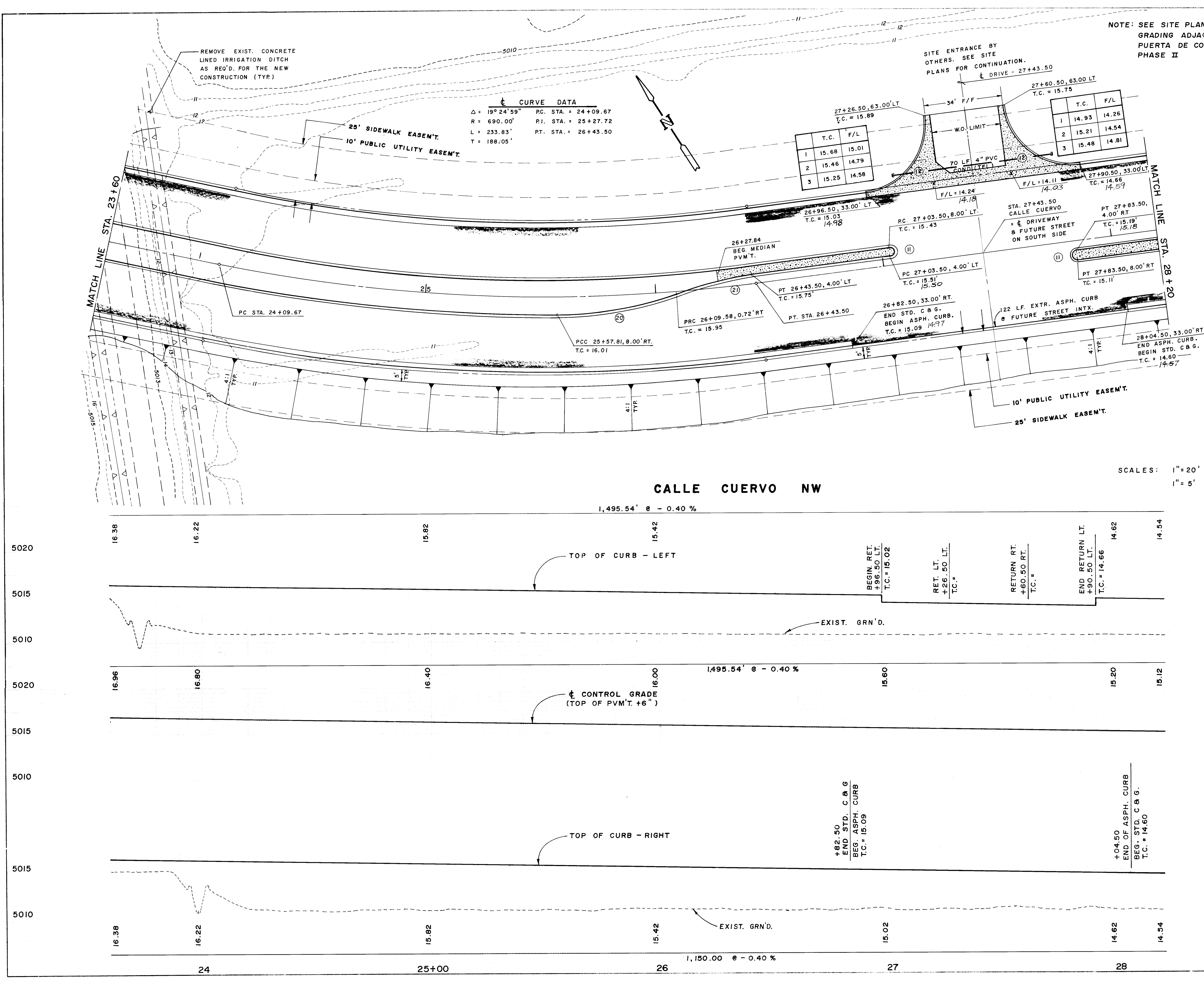


RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

10-31-85

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE CALLE CUERVO NW PAVING PLAN & PROFILE STA. 19+00.00 TO STA. 23+60.00			
APPROVAL City Engineer A.C.E. Design A.C.E. Hydrology MOD/ENG DRAWING NO. 2649	ENGINEER DATE 11/25/85	APPROVALS Liquid Waste Traffic Water DATE 11-25-85	ENGINEER DATE 11-25-85
DESIGNED BY Y. L. B.		CHECKED BY Y. L. B.	
MAP NO. A-14		SHEET 6 OF 28	



NOTE: SEE SITE PLANS FOR GRADING ADJACENT TO PUERTA DE CORRALES, PHASE II

CURVE DATA

$\Delta = 19^\circ 24' 59''$	PC STA. = 24+09.67
$R = 690.00'$	PI STA. = 25+27.72
$L = 233.83'$	PT STA. = 26+43.50
$T = 188.05'$	

CURB CURVE DATA

No.	RAD.	DELTA	ARC.
(2)	30.00'	$90^\circ 00' 00''$	47.12'

MEDIAN CURVE DATA

No.	RAD.	DELTA	ARC.
(1)	2.00'	$180^\circ 00' 00''$	6.28'
(20)	150.00'	$20^\circ 11' 32''$	52.86'
(2)	150.00'	$13^\circ 04' 37''$	34.24'

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

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE
CALLE CUERVO NW
PAVING PLAN & PROFILE
STA. 23+60.00 TO STA. 28+20.00

APPROVAL	ENGINEER	DATE	APPROVAL	ENGINEER	DATE
City Engineer	NA	11-25-85	Liquid Waste	NA	11-25-85
ACE Design	NA	11-25-85	Traffic	NA	11-25-85
ACE Hydraulics	NA	11-25-85	Water	NA	11-25-85

DRAWING NO. 2649 MAP NO. A-14 SHEET 7 OF 28

AS BUILT INFORMATION

DATE: 10-31-85
BY: David S. Easterling
NO. 6411

REVISIONS

NO.	DATE	REMARKS
1	11-25-85	As Built

FIELD NOTES

DATE: 10-30-85
BY: David S. Easterling
NO. 6411

AS BUILT INFORMATION

DATE: 10-30-85
BY: David S. Easterling
NO. 6411

NOTE: SEE SITE PLANS FOR
GRADING ADJACENT TO
PUERTA DE CORRALES.
PHASE II

25' SIDEWALK EASEM'T.
10' PUBLIC UTILITY EASEM'T.

T.C.	F/L
1 13.72	13.10
2 13.64	12.97
3 13.51	12.84

T.C.	F/L
1 12.86	12.19
2 12.95	12.28
3 13.04	12.37

CURB CURVE DATA

NO.	RAD.	DELTA	ARC.
(22)	23.50'	91°19'25"	37.46'
(23)	30.00'	85°33'26"	44.80'

MEDIAN CURVE DATA

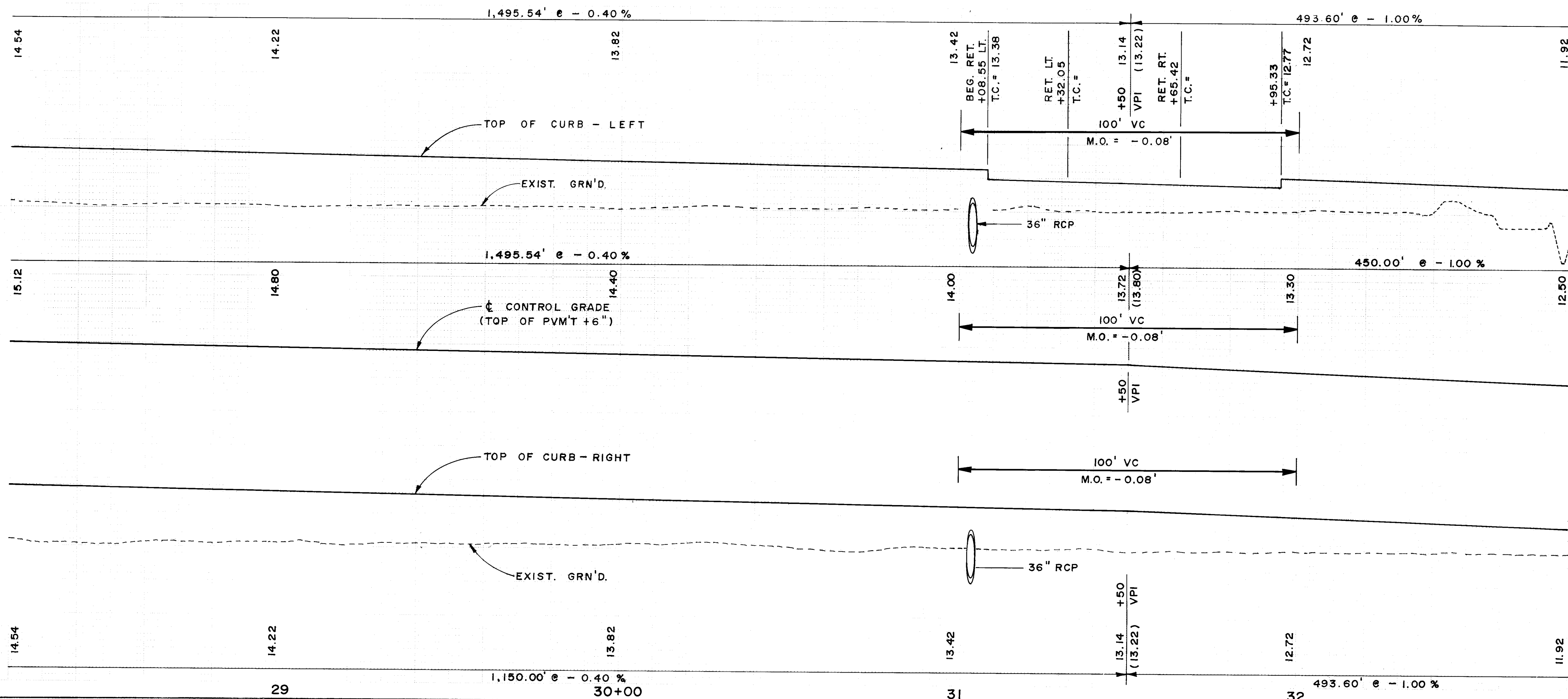
NO.	RAD.	DELTA	ARC.
(11)	2.00'	180°00'00"	6.28'
(15)	150.00'	16°15'37"	42.57'
(16)	4.00'	145°41'52"	10.17'
(17)	50.00'	34°18'04"	29.93'
(24)	150.00'	14°00'29"	36.67'
(25)	150.00'	18°51'47"	49.38'
(26)	150.00'	13°59'58"	36.65'
(27)	150.00'	18°52'28"	49.41'

¢ CURVE DATA

$\Delta = 15^\circ 29' 58"$ PC STA. = 28+33.50
 $R = 1,000.00'$ P.I. STA. = 29+69.59
 $L = 270.52'$ PT STA. = 31+04.02
 $T = 136.09'$

CALLE CUERVO NW

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



RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN
REVISED IN ACCORDANCE WITH
INFORMATION PROVIDED BY
EASTERLING & ASSOCIATES, INC.
TO REFLECT THE CONSTRUCTION
AS ACCOMPLISHED.

DESIGNED BY: *[Signature]*
DRAWN BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: 11-25-85
DATE: 11-25-85
DATE: 11-25-85

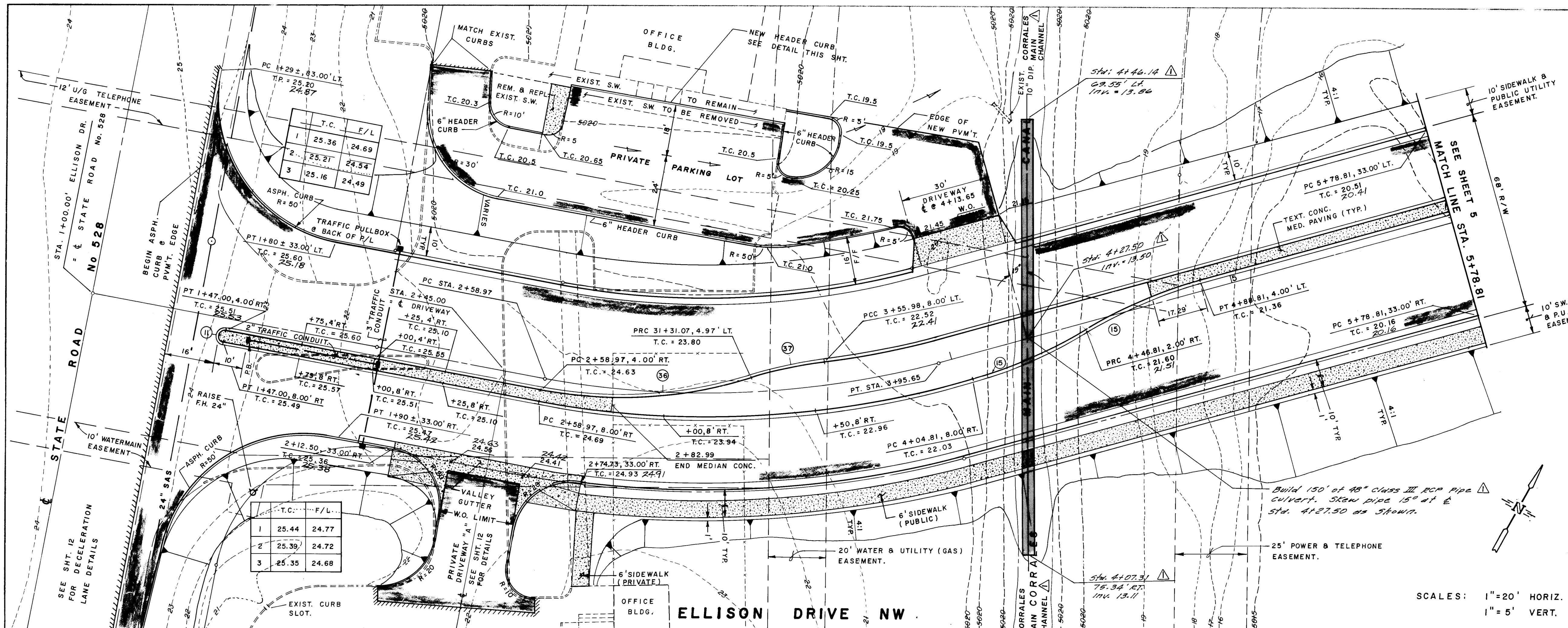
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CALLE CUERVO NW
PAVING PLAN & PROFILE
STA. 28+20.00 TO STA. 32+80.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	NA	11-25-85	Liquid Waste	NA	11-25-85
ACE Design	NA	11-25-85	Traffic	NA	11-25-85
ACE Hydrology	NA	11-25-85	Water	NA	11-25-85
MOD/ENG	NA	11-25-85			

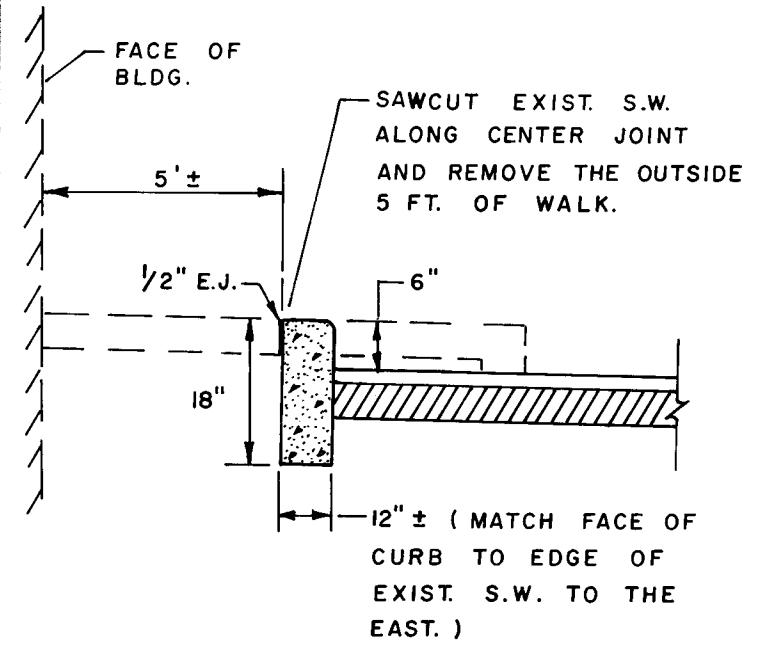
DRAWING NO. 2649 MAP NO. A-14 SHEET 8 OF 29

CITY OF ALBUQUERQUE					
MUNICIPAL DEVELOPMENT DEPARTMENT					
ENGINEERING DIVISION					
TITLE: CALLE CUERVO NW					
PAVING PLAN & PROFILE					
STA. 32+80.00 TO STA. 36+95±					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
Grwy-Engineer	_____	_____	Liquid Waste	NA <i>mg B</i>	11-25-85
A C E - Design	<i>ML Olson</i>	11/25/85	Traffic	<i>D. A. Parks</i>	11-6-85
A C E - Hydrology	_____	_____	Water	NA <i>mg B</i>	11-25-85
MOD/ENG	<i>Andersson</i>	11/25/85			
DRAWING NO.	2649		MAP NO.	A-14	
			SHEET	9 OF	28
					29△

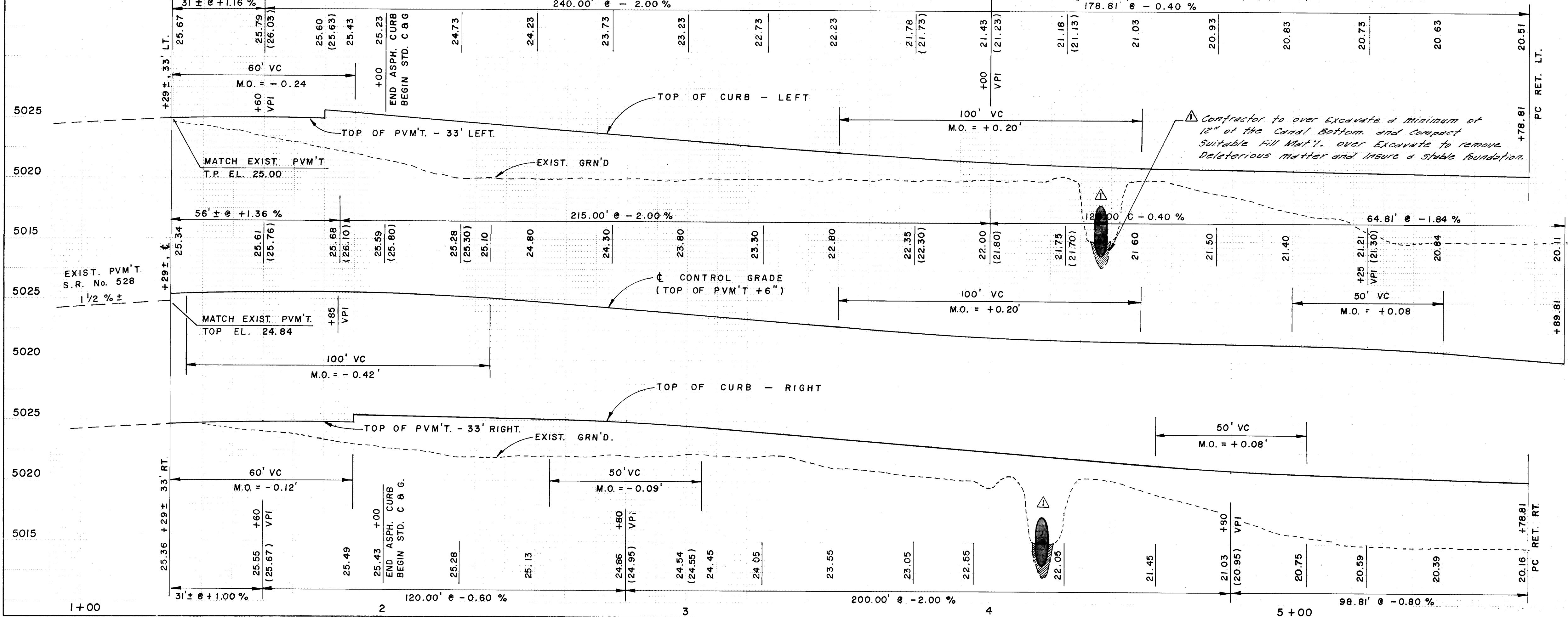


MEDIAN CURVE DATA			
No.	RAD.	DELTA	ARC.
11	2.00'	180°00'00"	6.28'
15	150.00'	16°15'37"	42.57'
36	150.00'	27°54'57"	73.08'
37	150.00'	09°23'17"	24.58'

C CURVE DATA			
$\Delta = 26^{\circ}06'18"$	PC STA. = 2+58.97		
$R = 300.00'$	PI STA. = 3+28.52		
$L = 136.68'$	PT STA. = 3+95.65		
$T = 69.55'$			



NEW HEADER CURB
@ EXIST. SIDEWALK



NOTE:
The owner will remove such trees, bushes, sprinkler heads and other landscaping items that he wishes to salvage from the construction area prior to the start of construction around the office buildings.

The contractor shall remove and dispose of all existing pavements, curbs, signs and bases, trees, etc., as required to accommodate the new construction, but shall take care to protect all existing construction and landscaping not required to be removed.

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

NOTE: The installation of the 48" RCP Culvert will be completed prior to paving of Ellison Drive.

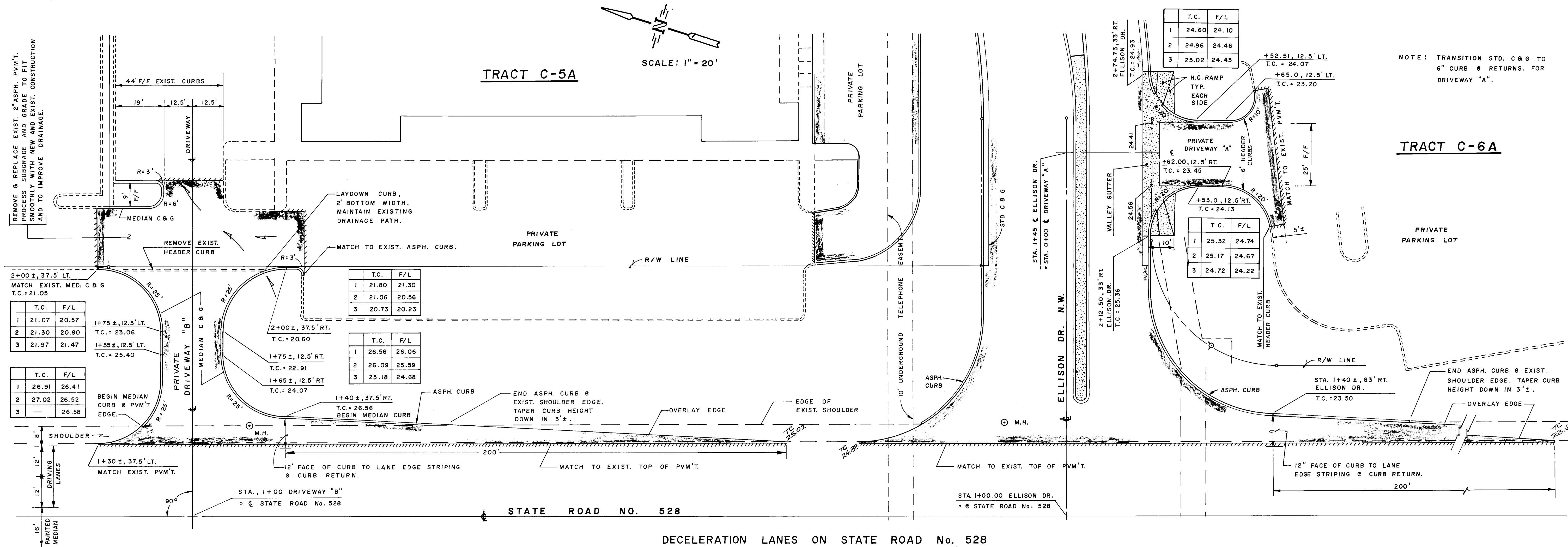
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE
ELLISON DRIVE NW
PAVING PLAN & PROFILE
STA. 1+00.00 TO STA. 5+78.81

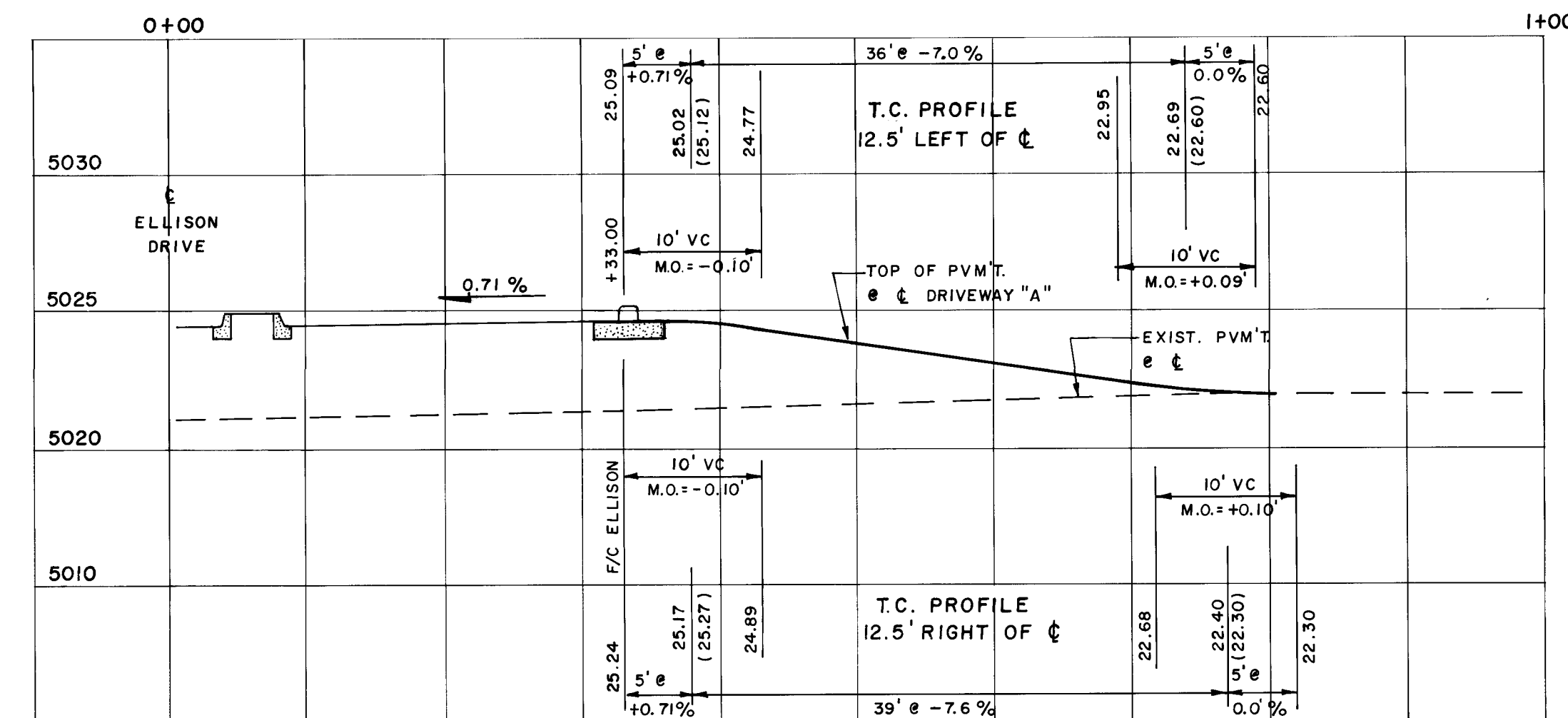
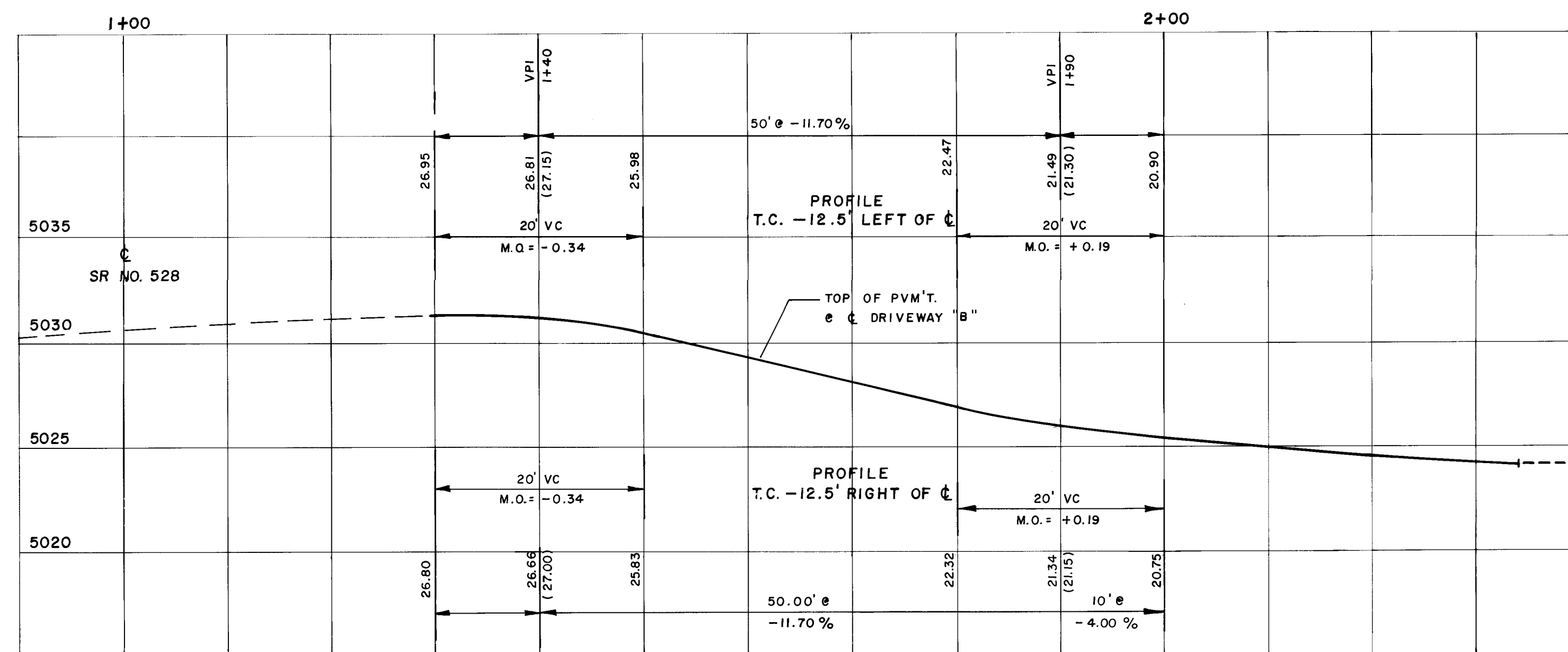
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	ARL	11/25/85	Liquid Waste	NA	11-25-85
A.C.E. Design	ARL	11/25/85	Traffic	NA	11-6-85
A.E.E. Hydrology	ARL	11/25/85	Water	NA	11-25-85
MDP/ENG	ARL	11/25/85			

DRAWING NO. 2649
MAP NO. A-14
SHEET 11 OF 29

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	UNIVERSAL CONCRETE, LLC	N.M.S.H.D. BRASS CAP "N.M. 448-N12"		NO.	DATE		10-31-85
INSPECTOR	DAVID THREIN	ELEV. 5023.411		BY	DATE		
DATE	DATE 7-11-86	LOCATED 60' WEST OF COORS ROAD N.W.					
DATE	DATE	APPROX. 550' SOUTH OF INTERSECTION					
DATE	DATE	WITH CORRALES ROAD N.W. (S.R. No. 528)					
MICRO-FILM INFORMATION		RECORDED BY		DESIGNED BY		CHECKED BY	



DECELERATION LANES ON STATE ROAD No. 528 AND NEW DRIVEWAYS TO EXIST. PARKING LOTS



RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

9-18-86

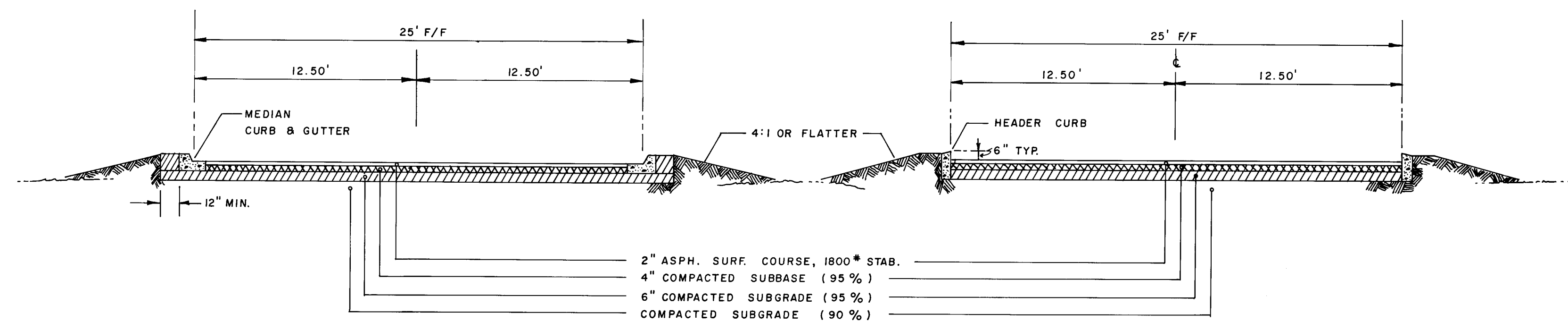
NOTE: ALL WORK SHOWN ON THIS SHEET EXCEPT DECELERATION LANE TO ELLISON DR. N.W. IS PRIVATE.

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

**TITLE: DRIVEWAYS "A" & "B"
DECELERATION LANES ON S.R. No. 528
PLANS & PROFILES**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	AROL	11/25/85	Liquid Waste	NA	11-25-85
A.C.E.-Design	AROL	11/25/85	Traffic	NA	11-25-85
A.C.E.-Hydrology	AROL	11/25/85	Water	NA	11-25-85
MOB/ENG	AROL	11/25/85			

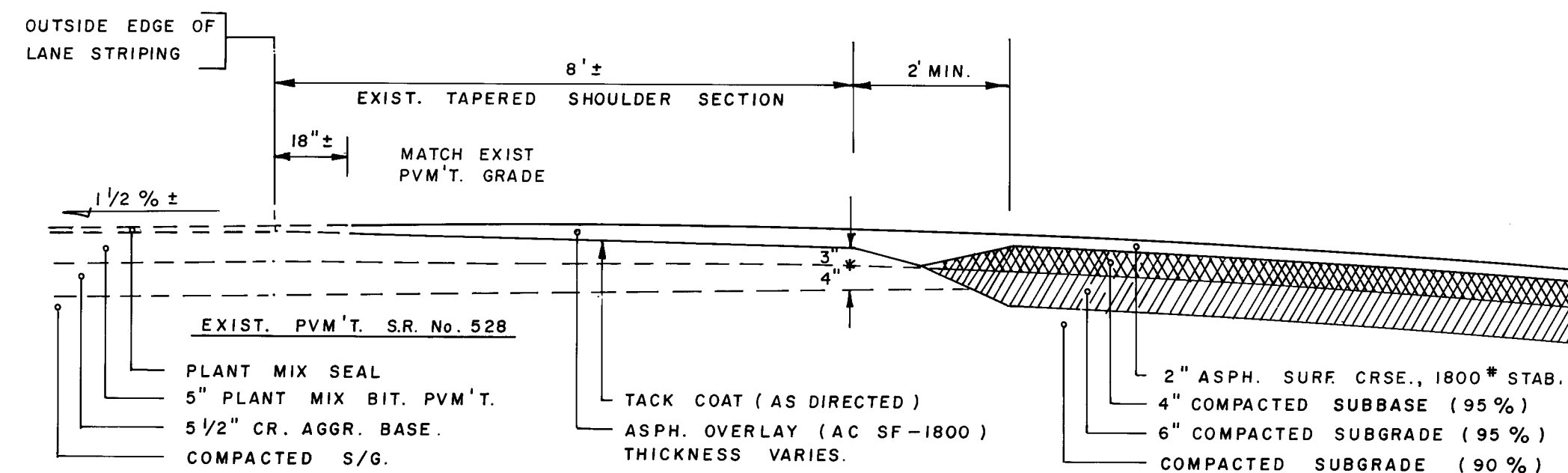
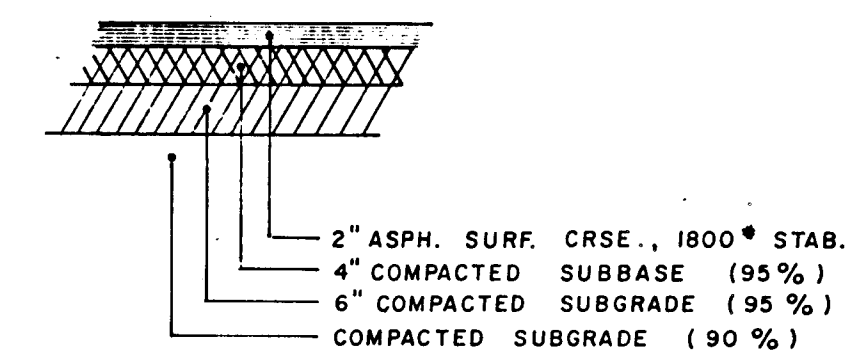
DRAWING NO. 2649 MAP NO. A-14 SHEET 12 OF 29



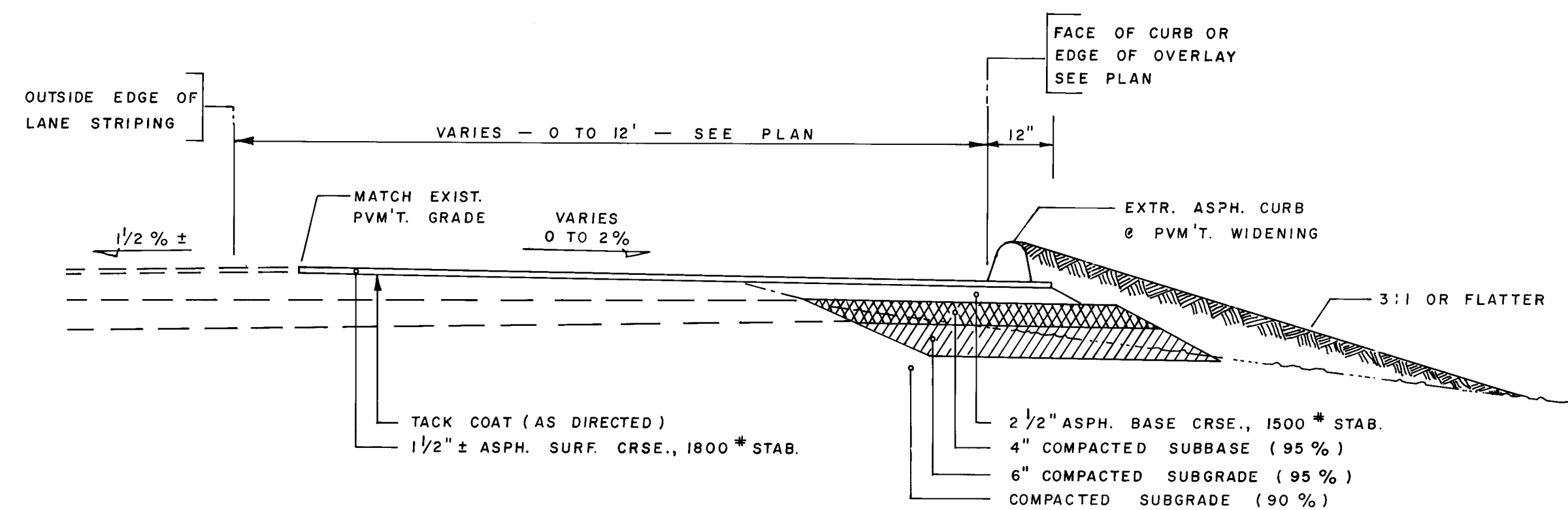
TYPICAL X-SECTION
DRIVEWAY "B"

TYPICAL X-SECTION
DRIVEWAY "A"

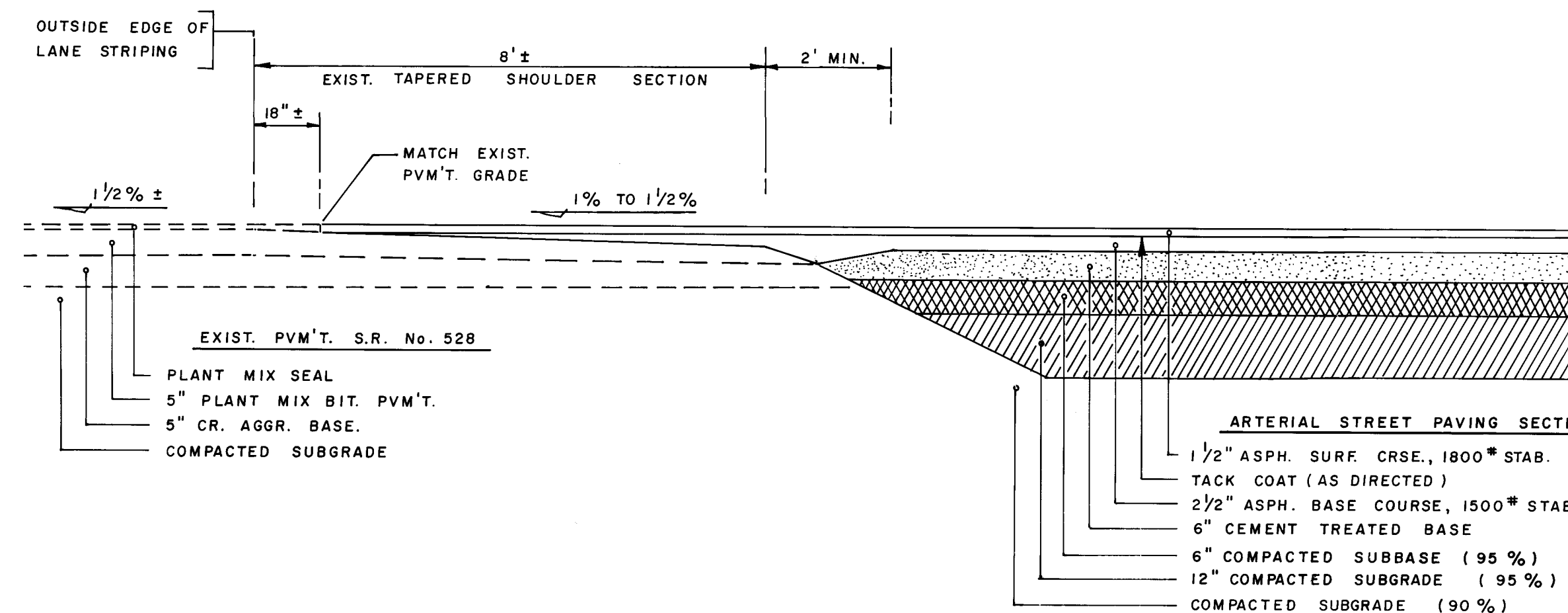
TYPICAL PAVEMENT SECTION
PRIVATE PARKING LOTS AND DRIVES



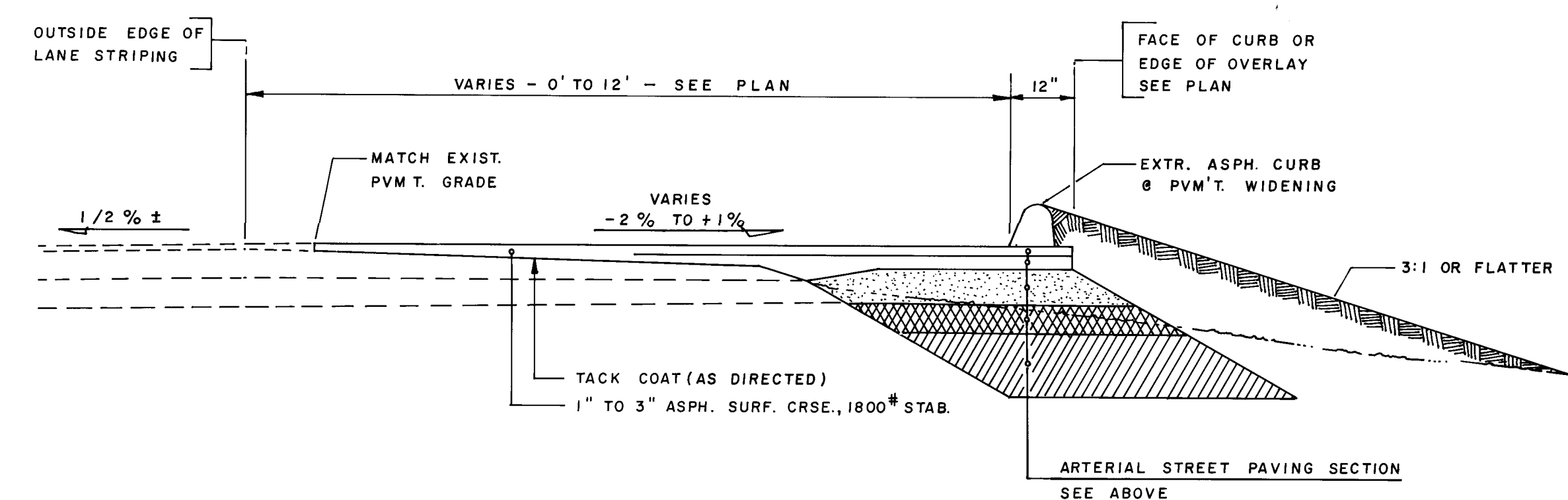
TYPICAL X-SECTION
STATE ROAD No. 528 @ DRIVEWAY "B"



TYPICAL X-SECTION
DECELERATION LANE @ DRIVEWAY "B"



TYPICAL X-SECTION
STATE ROAD No. 528 @ ELLISON DRIVE N.W.



TYPICAL X-SECTION
DECELERATION LANE @ ELLISON DRIVE N.W.

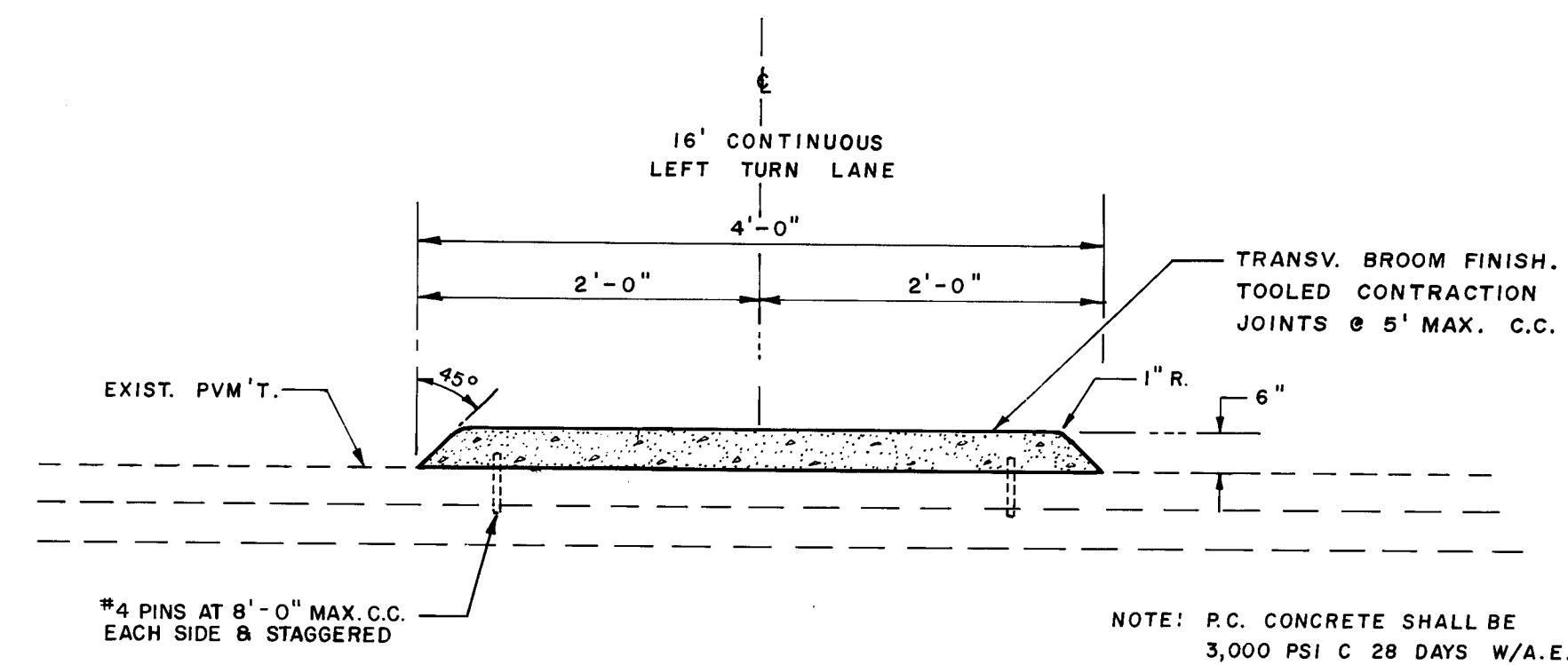
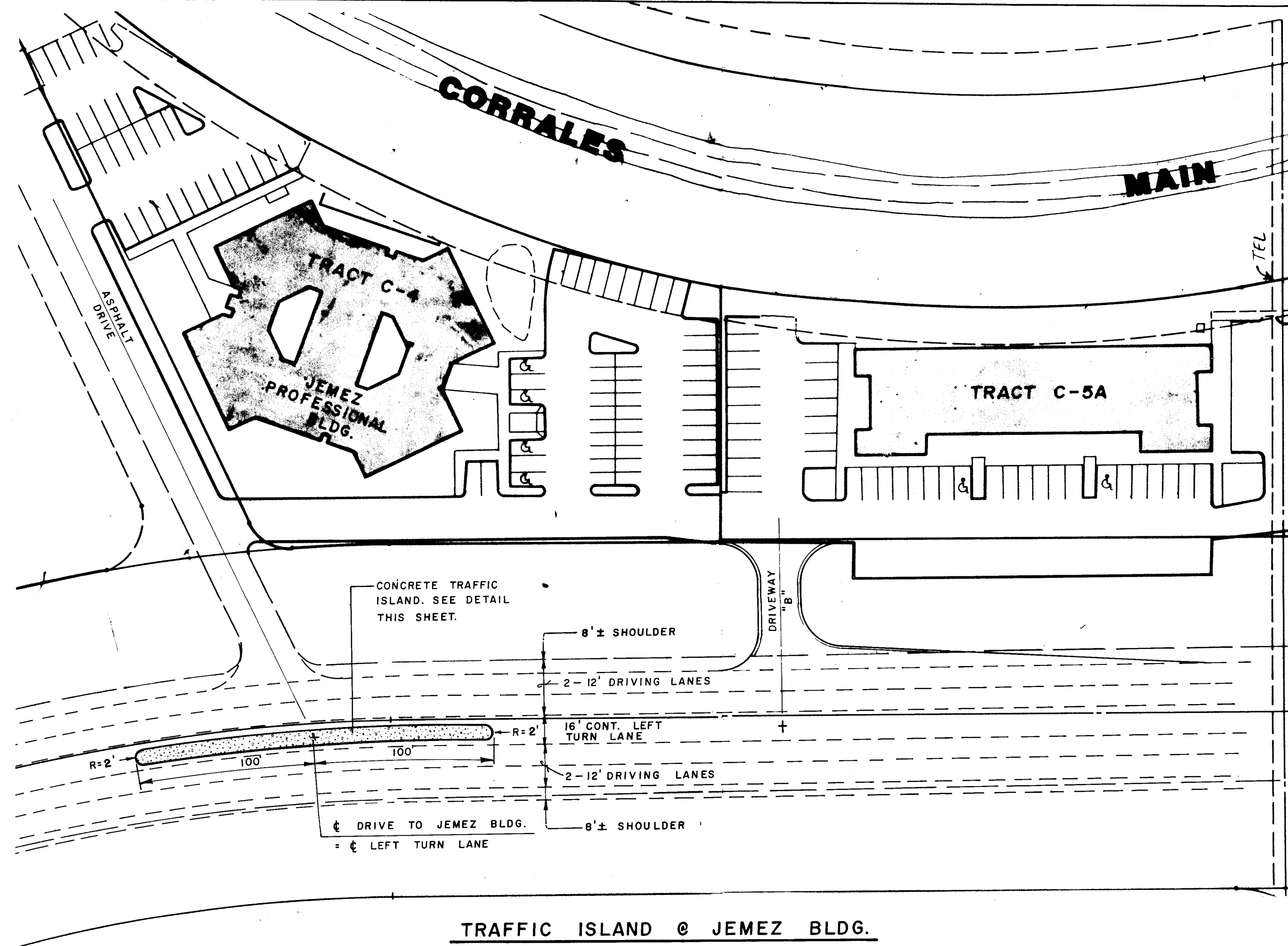
RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



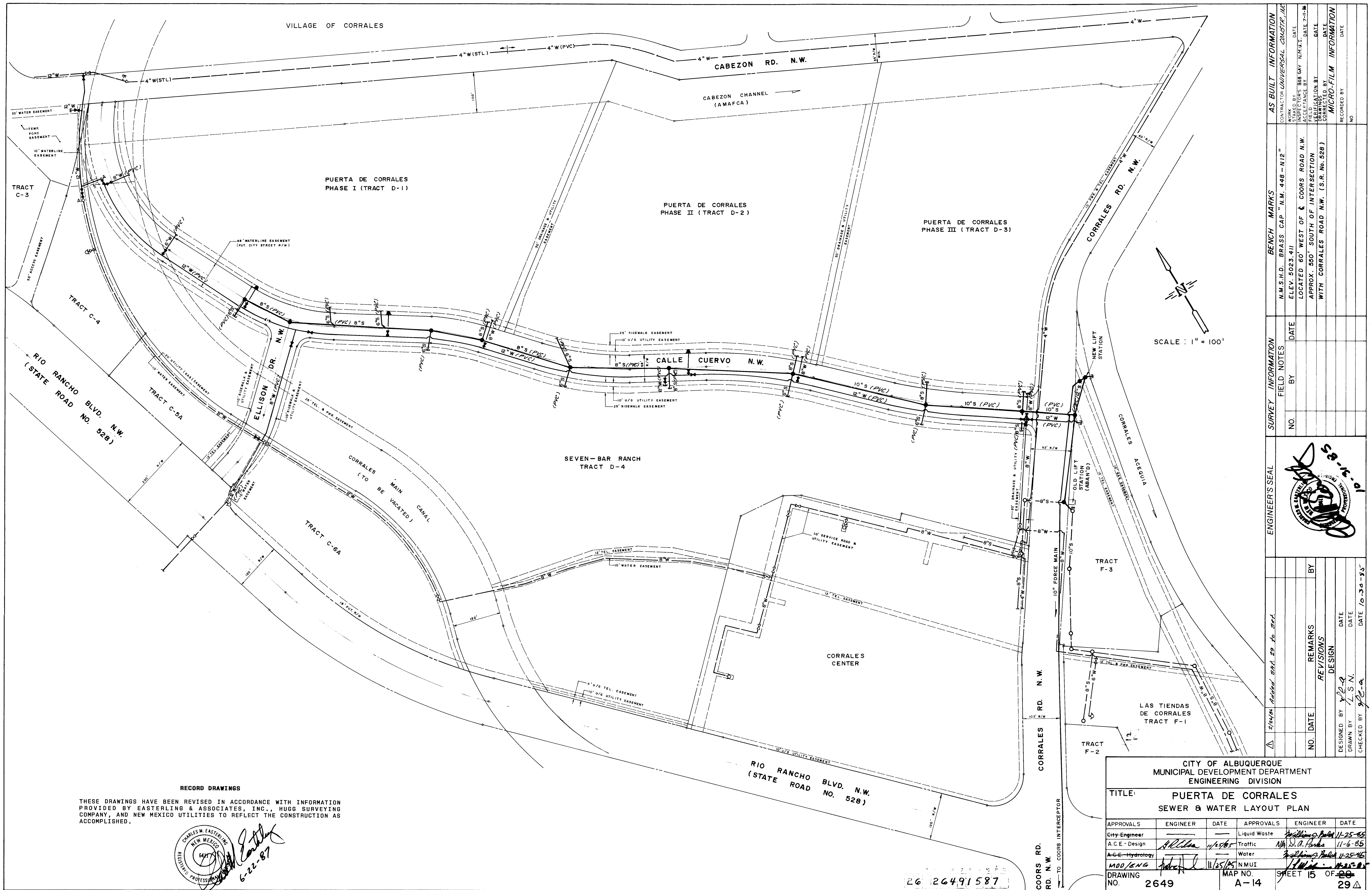
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	UNIVERSAL CONCRETE, INC.	STATION	DATE	NO.	BY	DATE	REMARKS
INSPECTOR'S	DAVID HARRISON						
DATE							
VERIFICATION BY							
DATE							
CORRECTED BY							
DATE							
RECORDED BY							
NO.							

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: DRIVEWAYS "A" & "B" DECELERATION LANES ON S.R. No. 528 PAVING X-SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	11-25-85
A.C.E. - Design	ALL	11/25/85	Traffic	NA	11-6-85
A.C.E. - Hydrology			Water	NA	11-25-85
MOD/ENG					
DRAWING NO.	2649	MAP NO.	A-14	SHEET	13 OF 29



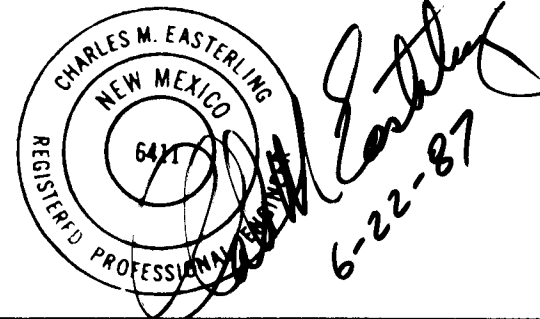
TYPICAL X-SECTION
CONCRETE TRAFFIC ISLAND ON STATE ROAD No. 528
@ EXISTING DRIVE TO JEMEZ BLDG.

DATE <i>10/30/85</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
----------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



RECORD DRAWINGS

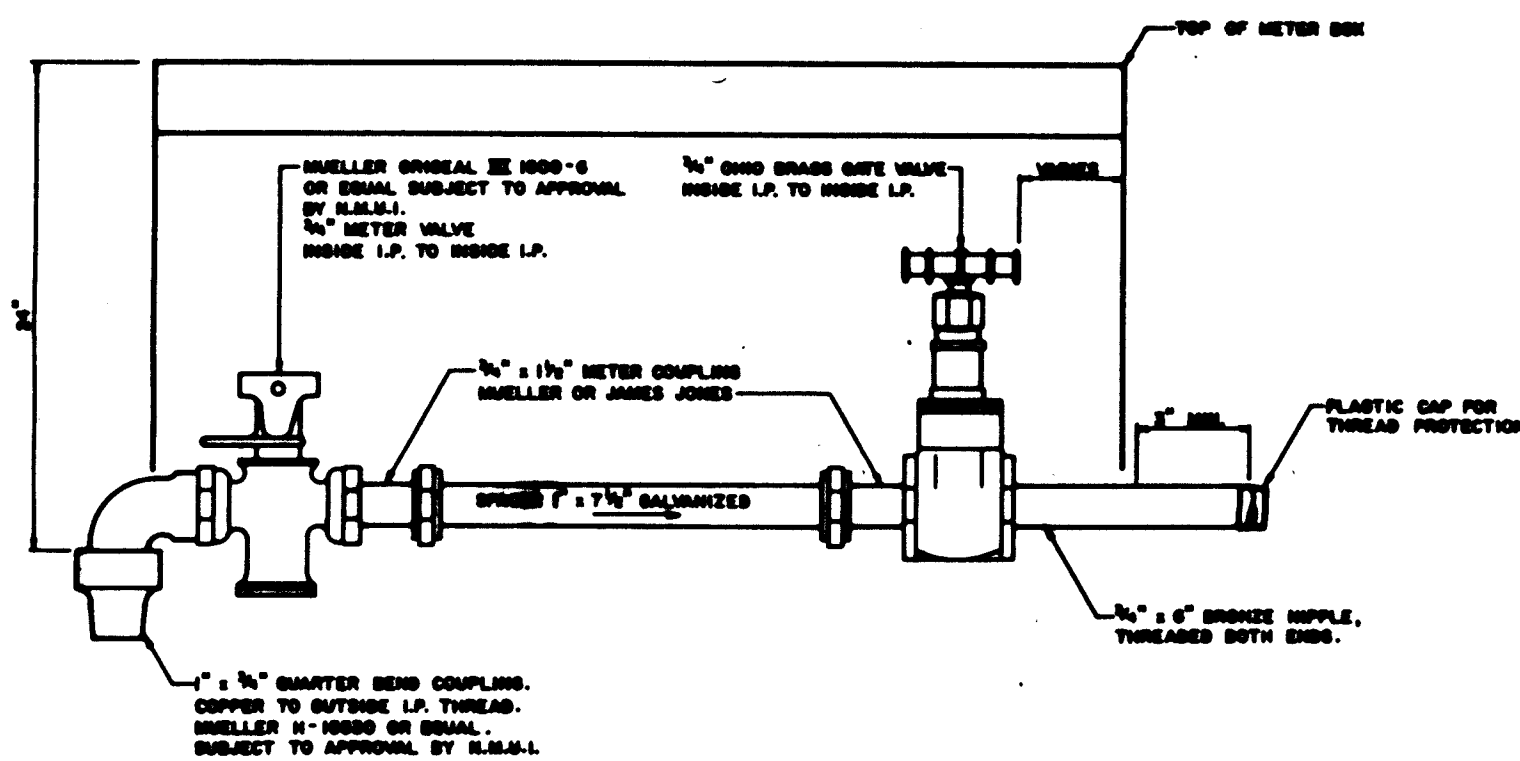
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC., HUGG SURVEYING COMPANY, AND NEW MEXICO UTILITIES TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: PUERTA DE CORRALES SEWER & WATER LAYOUT PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
ADD/ENG			N.M.U.I.		
DRAWING NO.	2649		MAP NO.	A-14	
SHEET 15 OF 20			29		

NEW MEXICO UTILITIES, INC.
EXHIBIT "A"

NOTE:
METER BOXES SHALL BE BROOKS CONCRETE TYPE SERIES "36" OR "38"
COMPLETE ASSEMBLY INCLUDES 1 BOTTOM BOX, 1 TOP BOX & 1 LID - H SERIES
SEE DETAIL EXHIBIT C.

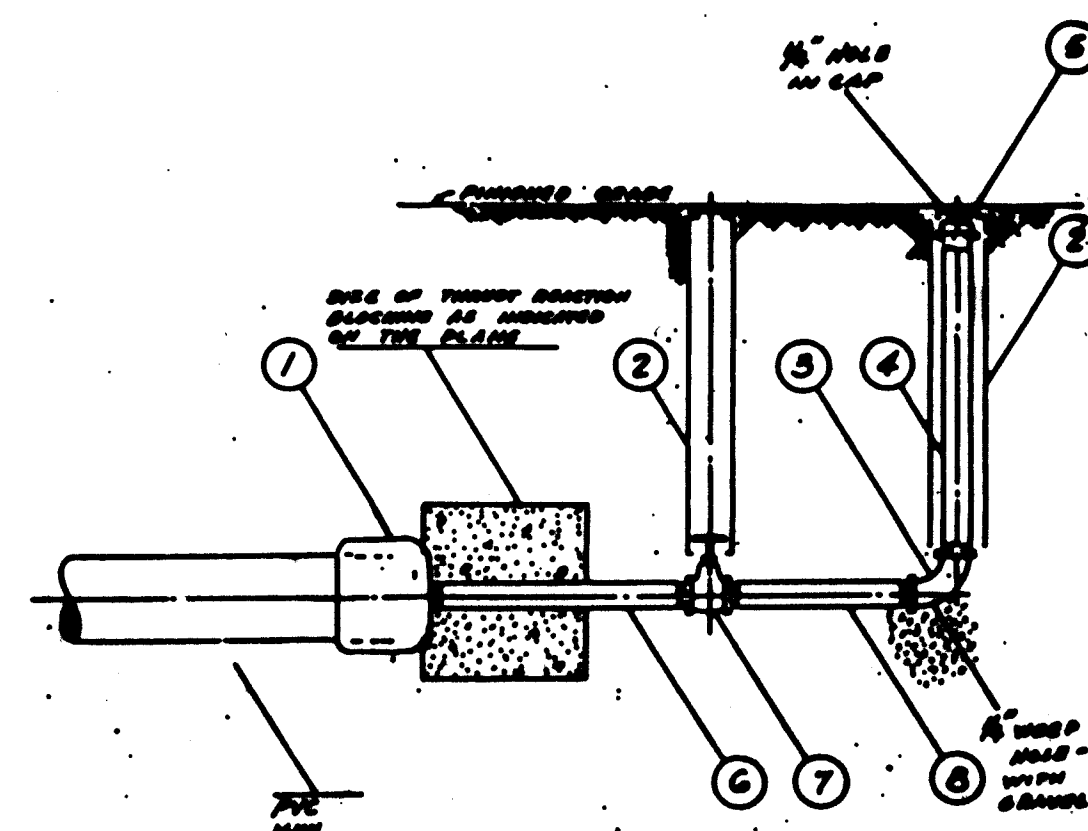


3/4" METER INSTALLATION DETAIL

1" INSTALLATION SHALL BE IDENTICAL WITH APPROPRIATE
SIZE FITTINGS AND SPACERS.
1 1/2" - 2" INSTALLATIONS SHALL USE APPROPRIATE SIZE
FITTINGS WITH METER FLANGES AND BRONZE CLOSE
NIPPLES REPLACING METER COUPLINGS.

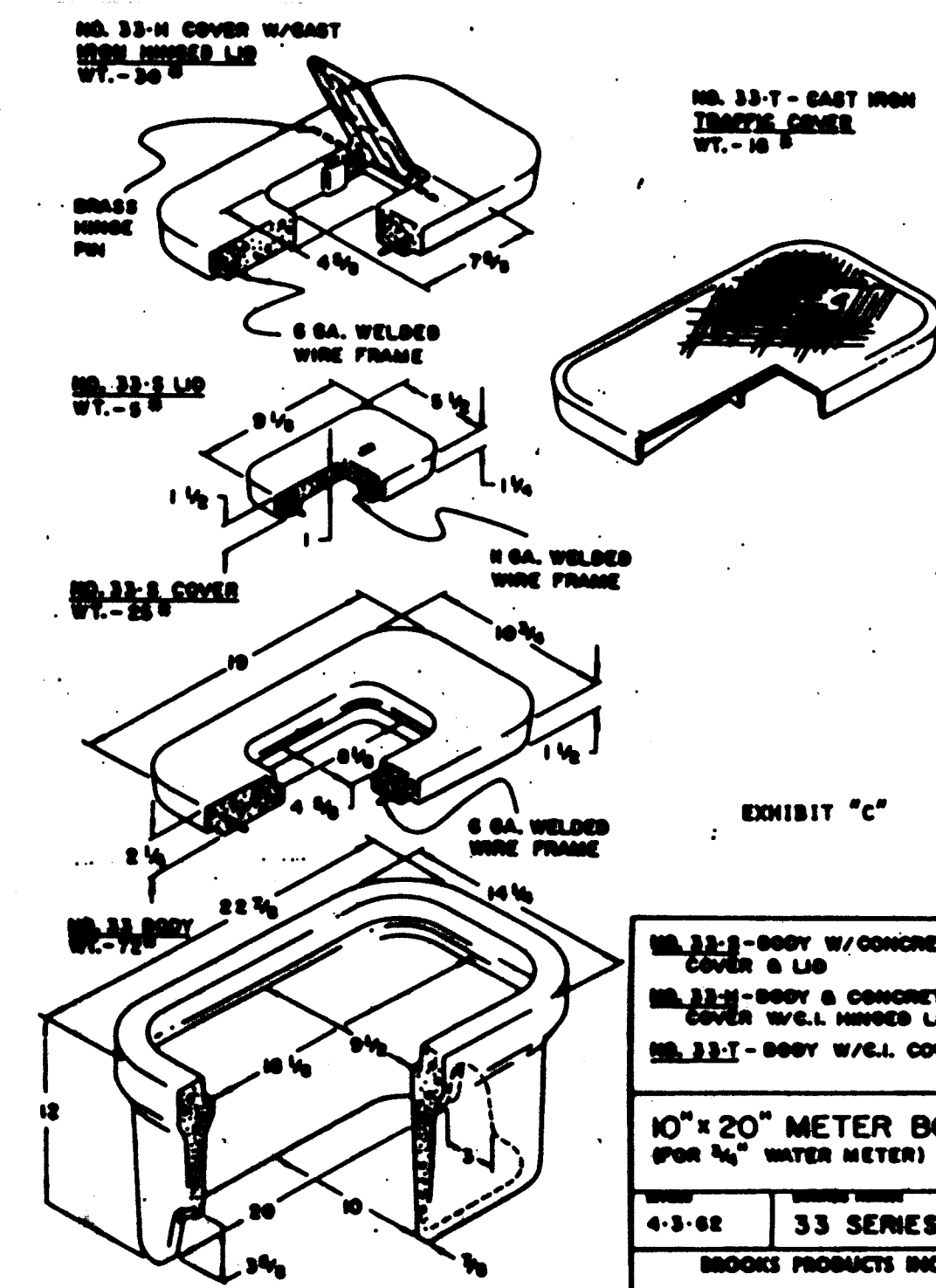
NEW MEXICO UTILITIES, INC.
EXHIBIT "B"

PLUG & BLOW-OFF ASSEMBLY
FOR PVC MAIN



ITEM	DESCRIPTION	QTY
1	1/2" DIA. BRONZE VALVE	1
2	1/2" DIA. BRONZE NIPPLE	1
3	1/2" DIA. BRONZE COUPLER	1
4	1/2" DIA. BRONZE ELBOW	1
5	1/2" DIA. BRONZE TEE	1
6	1/2" DIA. BRONZE FLANGE	1
7	1/2" DIA. BRONZE GASKET	1
8	1/2" DIA. BRONZE BOLT	1

(8) DIMENSIONS LENGTHY DEPENDENT ON
SIZE OF TIGHTENING BLOOMING
DIMENSIONS LENGTHY



NO. 33-B COVER W/CONCRETE COVER & LID
NO. 33-H BODY & CONCRETE COVER W/CONCRETE LID
NO. 33-I BODY W/CONCRETE COVER & LID
10" x 20" METER BOX (FOR 1/2" WATER METER)
4-3-82 33 SERIES
BROOKS PRODUCTS INC.

NEW MEXICO UTILITIES, INC., REQUIREMENTS FOR SEWER FACILITIES

Use City of Albuquerque specifications with the following exceptions:

- Where P.V.C. pipe is used for sewer mains, the same shall also be used for service laterals. The pipe shall meet City of Albuquerque specifications for plastic sewer pipe.
- All manholes, regardless of depth, shall be of pre-cast concrete and must comply with City of Albuquerque specifications for pre-cast manholes. Manholes must also be equipped with steps, regardless of depth. Steps shall comply with City of Albuquerque specifications for manhole steps.

All materials and installation thereof shall be subject to approval by New Mexico Utilities, Inc.

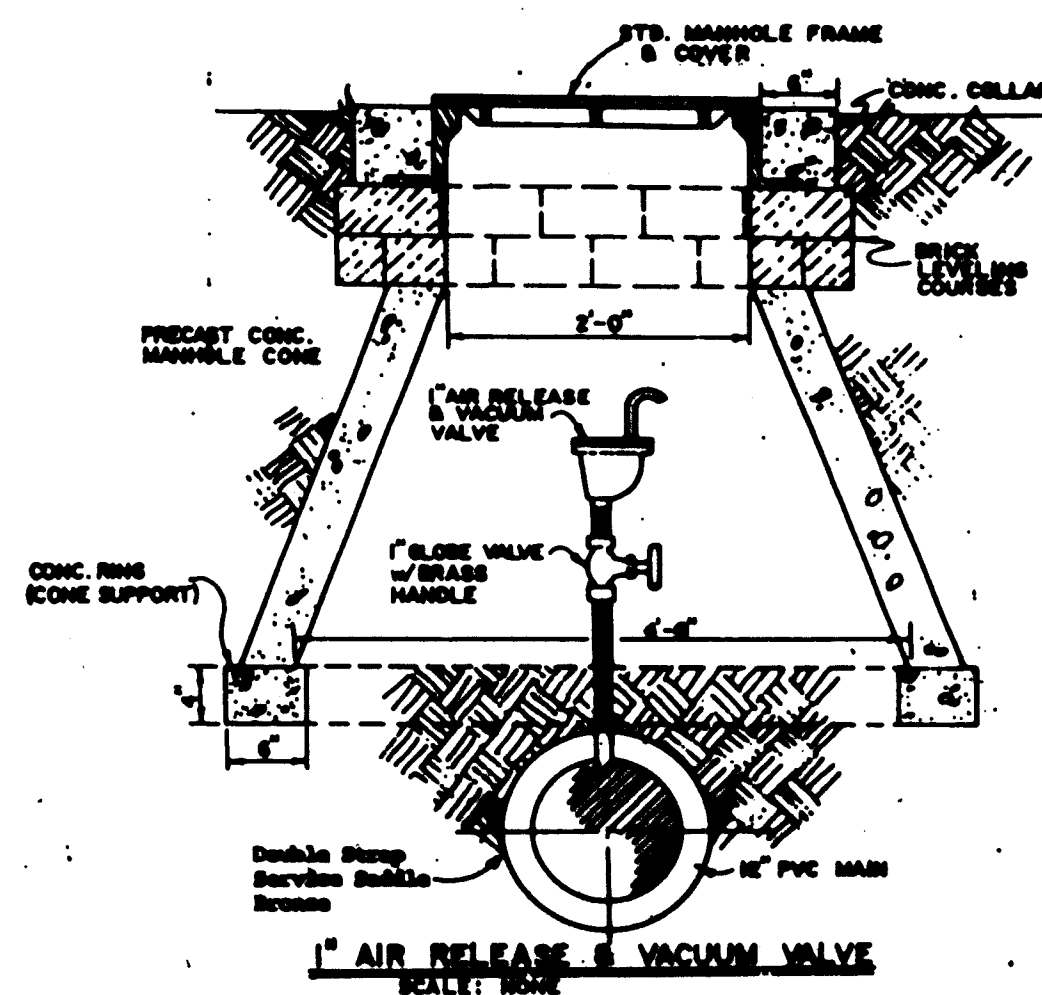
NEW MEXICO UTILITIES, INC., REQUIREMENTS FOR WATER FACILITIES

Use City of Albuquerque specifications with the following exceptions:

- Fire Hydrants shall be limited to Mueller A-422 Centurion or Waters W.B.-87. All other hydrant requirements shall meet City of Albuquerque specifications.
- Valves 4" in size and larger shall have a 2" operating nut. This includes both gate and butterfly valves.
- Service lines from watermain to meter shall be at least 1" in diameter. Smaller sizes will not be accepted.
- Tapping saddles shall be of the double strap type. All single strap saddles must first be approved by New Mexico Utilities, Inc.
- Service fittings are detailed in Exhibit "A".
- Meter boxes for 3/4" meter services shall be pre-cast concrete. They will be furnished by New Mexico Utilities, Inc., with pickup at New Mexico Utilities, Inc., yard. Meter boxes will be billed to Contractor. Number of boxes required shall be furnished to New Mexico Utilities, Inc. by Contractor no later than 60 days before pickup. See Exhibit "C".
- Meter boxes for 1" and larger meter services shall be determined by New Mexico Utilities, Inc., and Contractor on each individual job.
- Dead end lines shall require a plug & blow-off. See Exhibit "B".
- Water valve boxes may be Tyler #8855, 5-1/4" I.D. "Buffalo" type with sliding shaft or approved equal.

All materials and installation thereof shall be subject to approval by New Mexico Utilities, Inc.

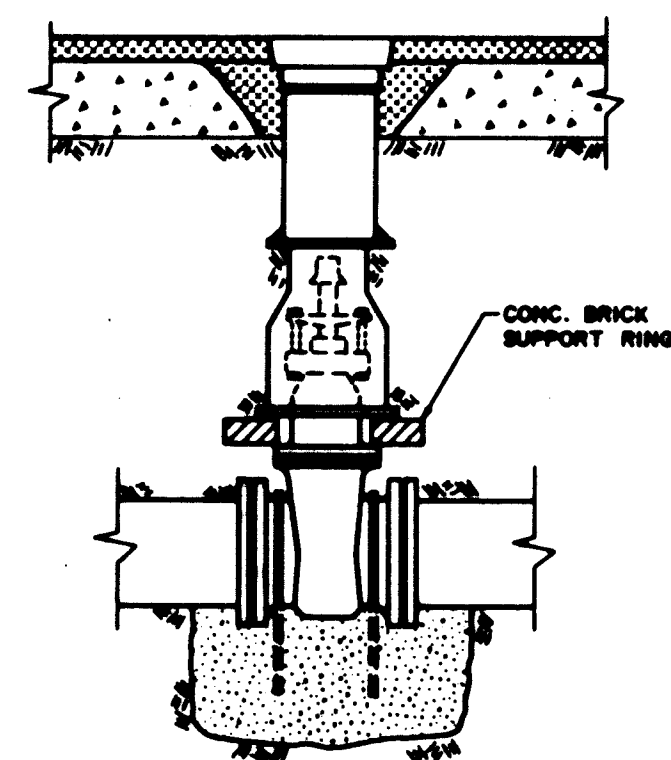
EXHIBIT "B"



1" AIR RELEASE & VACUUM VALVE

Size of air release valve, 1" or 2", shall be determined by N.M.U.I. prior to construction.

EXHIBIT "E"

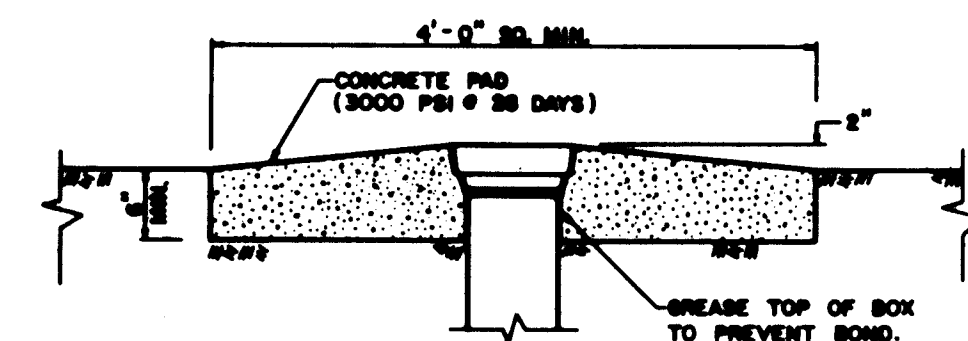


TYPICAL VALVE BOX INSTALLATION
IN PAVEMENT (TYPE A BOX)

NO SCALE

CONSTRUCTION PROCEDURE

- SET VALVE BOX WITH SHAFT COLLAPSED;
PLACE AND COMPACT BACKFILL AS SPECIFIED.
- JUST AHEAD OF PAVING TRAIN, UNCOVER
VALVE BOX TOP AND LIFT TOP SECTION
TO FINISH GRADE - 1/4". PLACE ASPHALT
MIXTURE AROUND VALVE BOX TOP LEVEL
WITH TOP OF BASE COURSE AND HANDTAMP.
- AFTER PAVING TRAIN HAS PASSED OVER THE
VALVE BOX, CLEAN EXCESS ASPHALT FROM
THE LID AND TRIM EDGES IF REQUIRED.

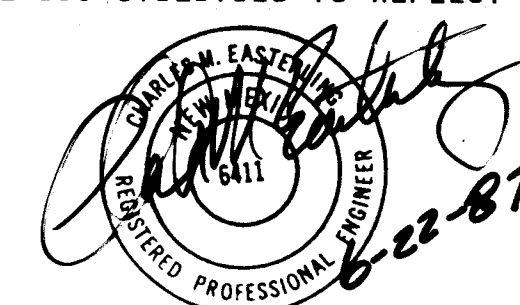


TYPICAL VALVE BOX INSTALLATION
IN UN-PAVED AREA (TYPE B BOX)

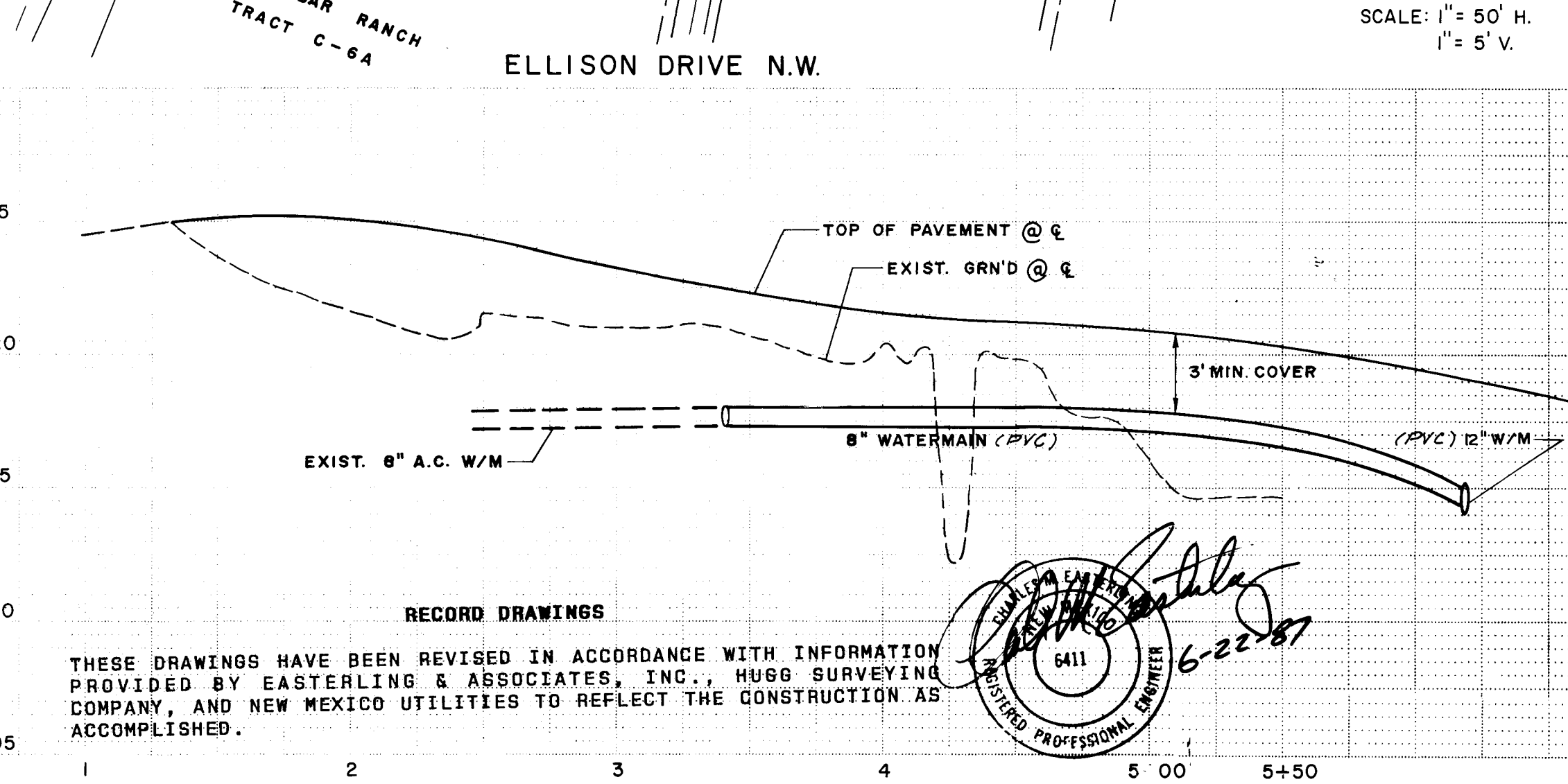
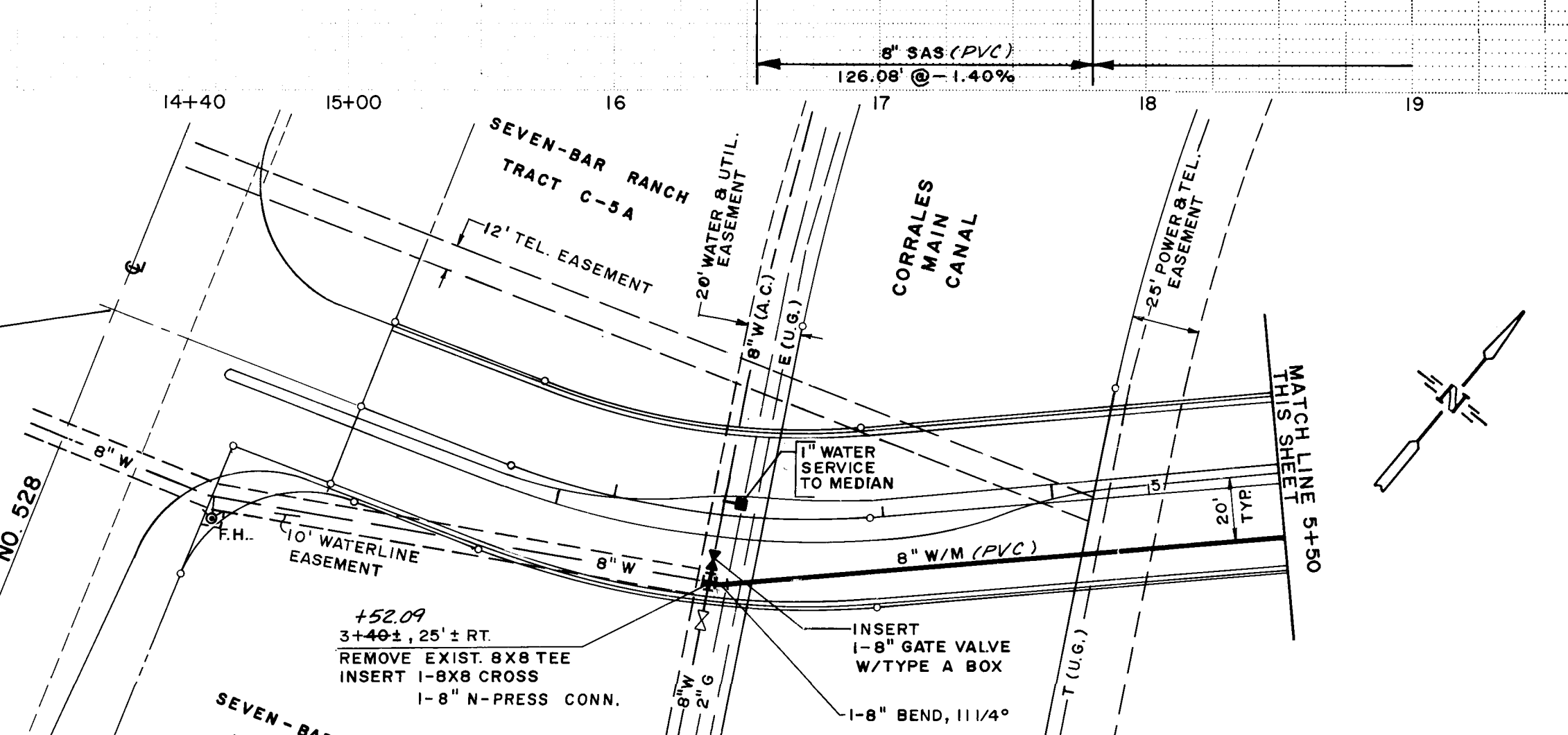
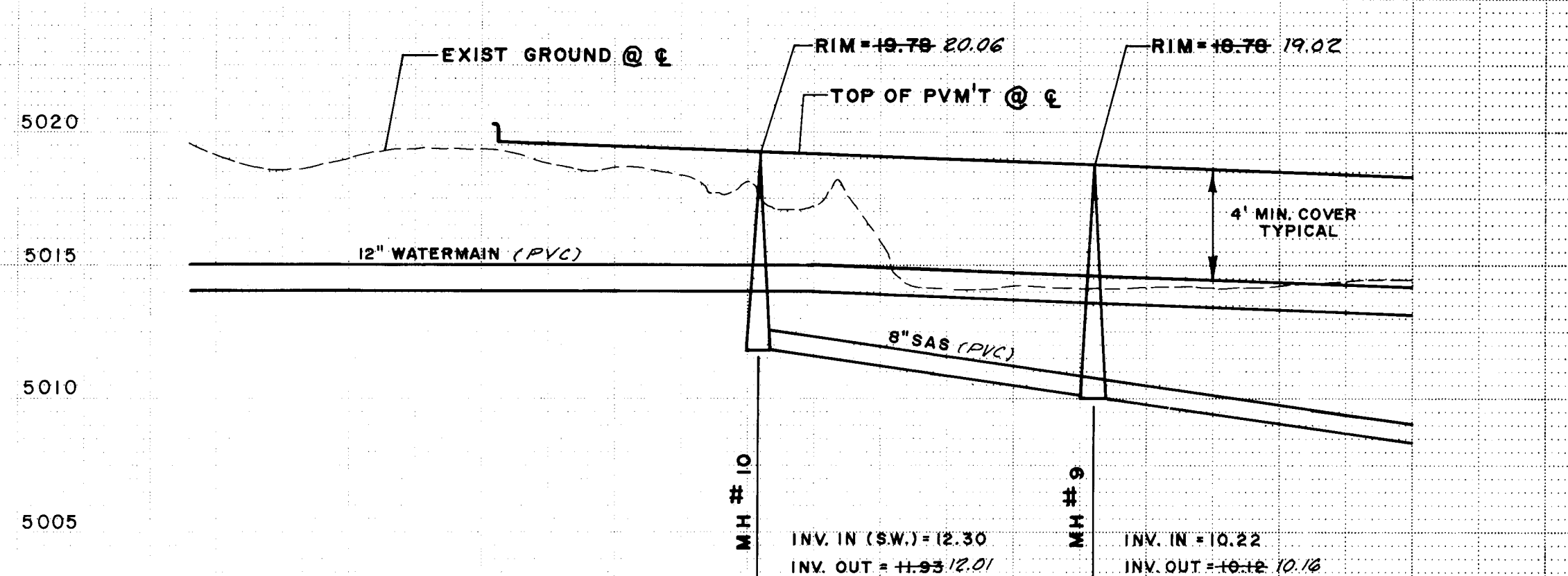
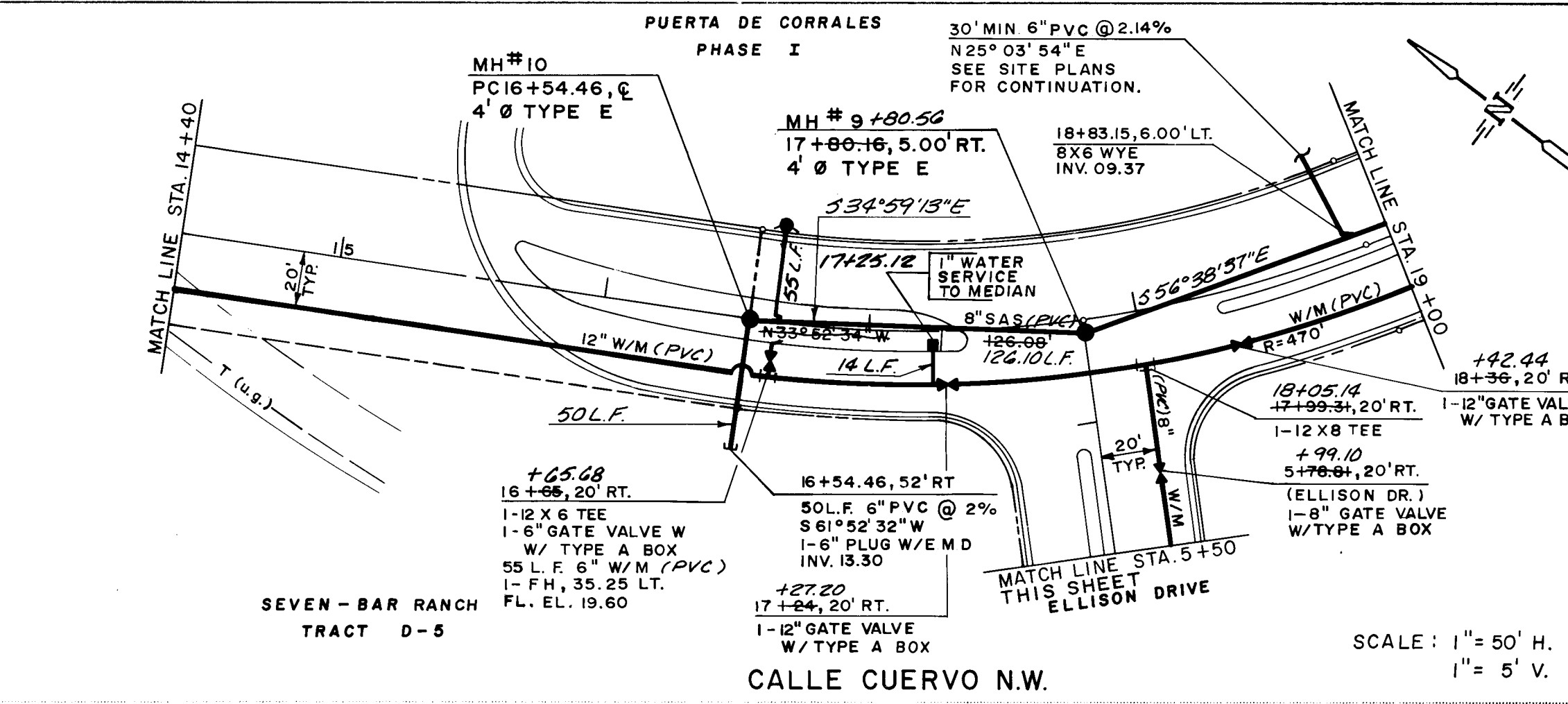
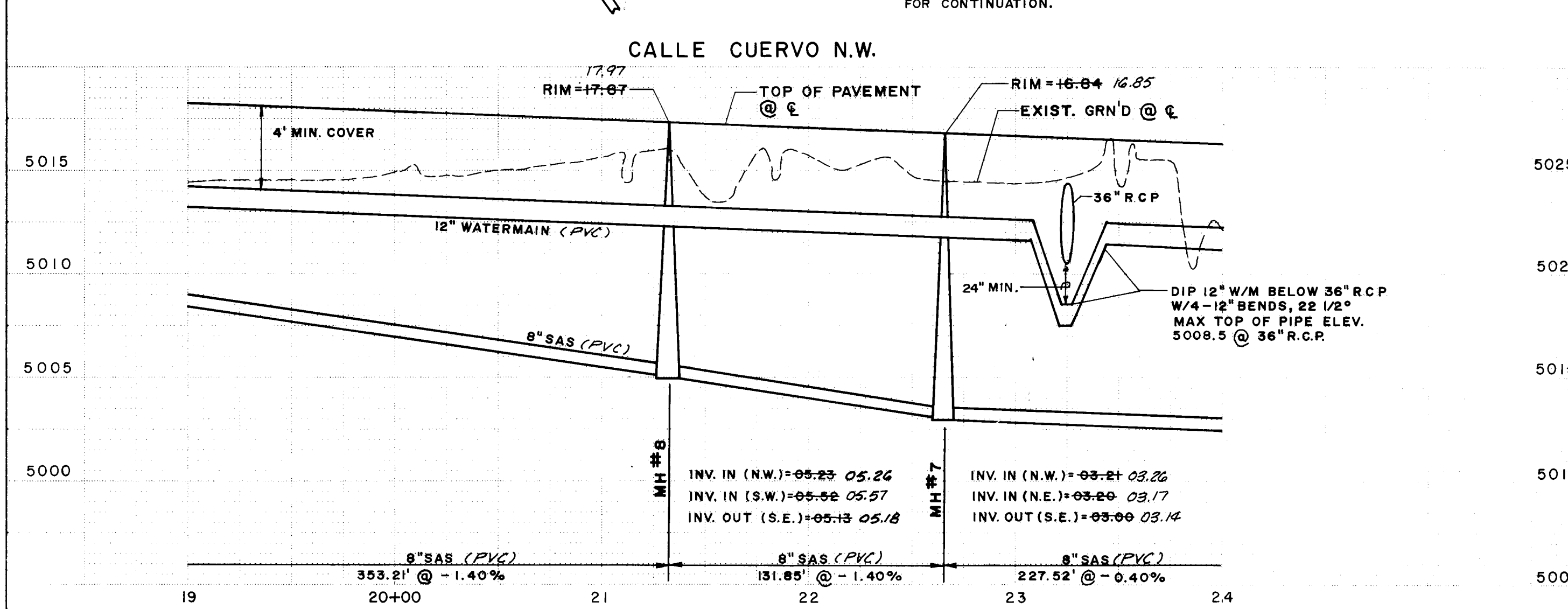
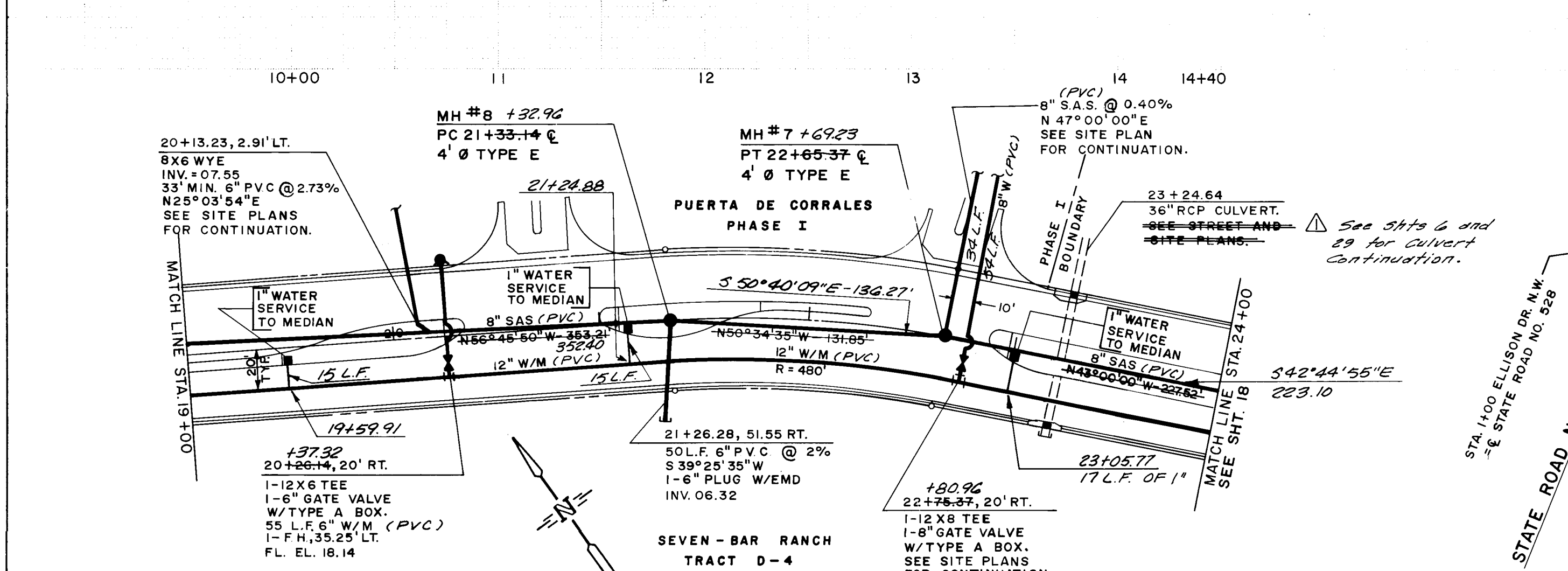
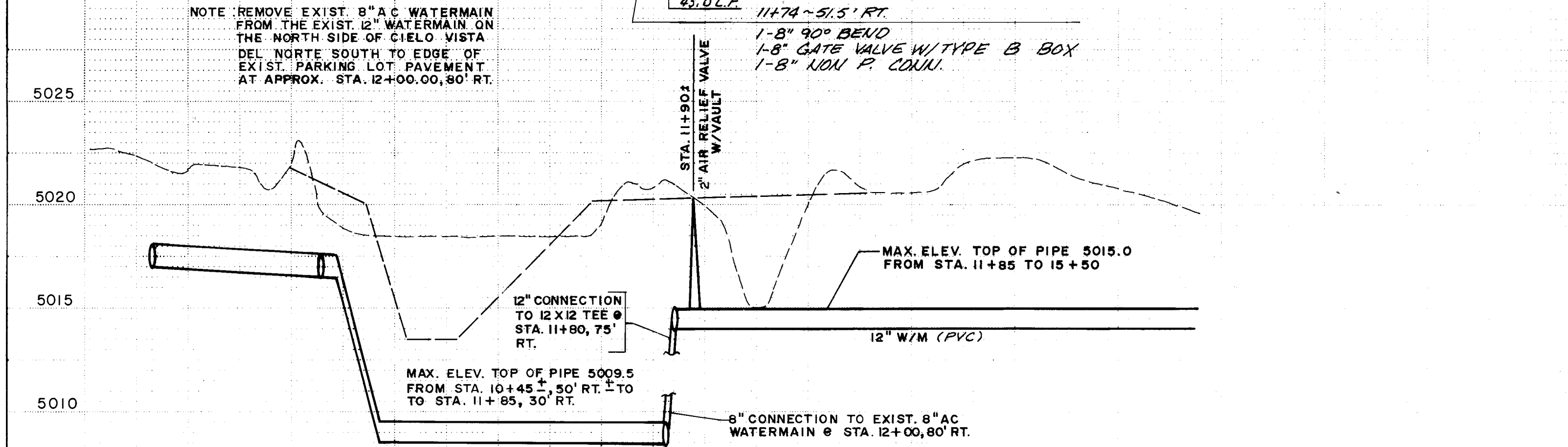
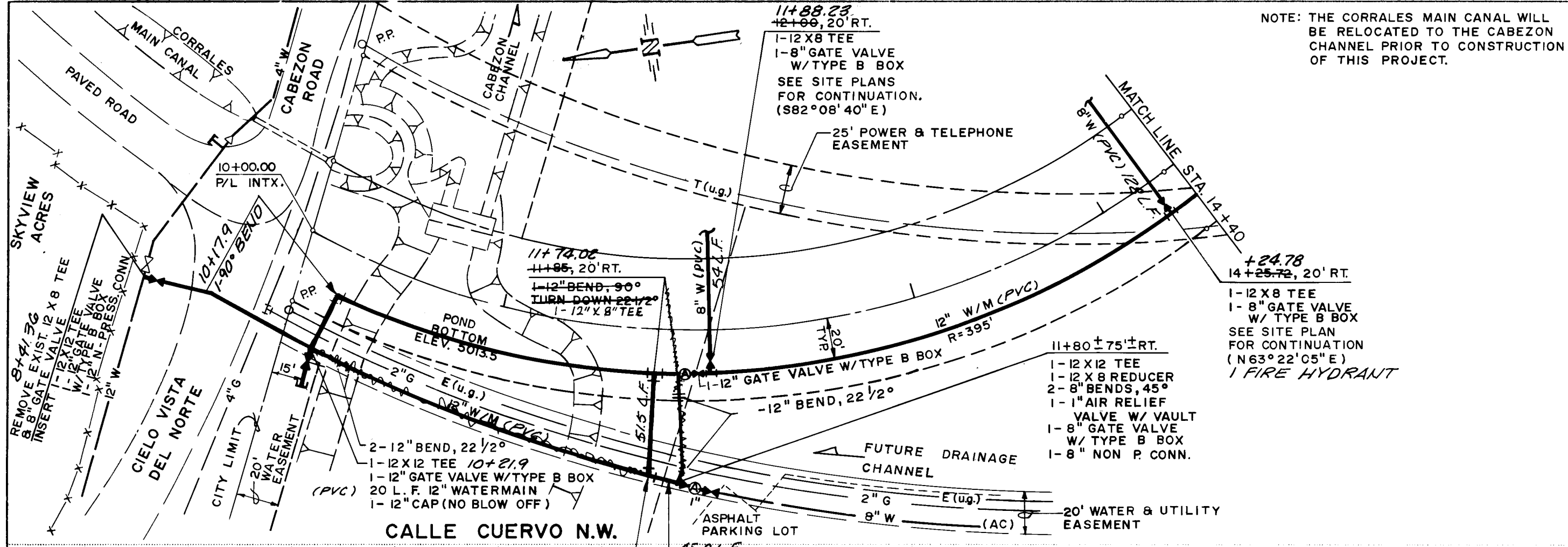
NO SCALE

RECORD DRAWINGS

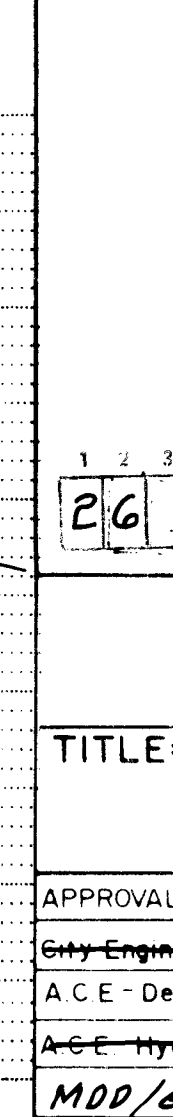
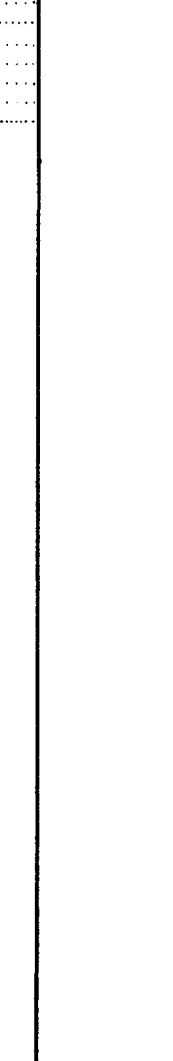
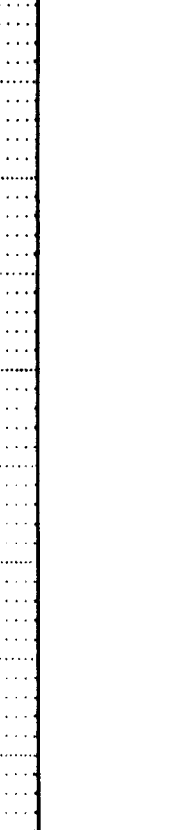
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION
PROVIDED BY EASTERLING & ASSOCIATES, INC., HUGG SURVEYING
COMPANY, AND NEW MEXICO UTILITIES TO REFLECT THE CONSTRUCTION AS
ACCOMPLISHED.



2649		27	
Added SHL 29 to 301		2/24/86	
NO.	REVISIONS	BY	DATE
NEW MEXICO UTILITIES, INC.			
REQUIREMENTS FOR SANITARY SEWER & WATER FACILITIES			
EASTERLING & ASSOCIATES, INC. CONSULTING ENGINEERS			
5643 Paradise Blvd. N.W. Albuquerque, New Mexico 87114			
Designed:	Drawn:	Checked:	Sheet 29 of 29
Job No: 2649	Date: 9-30-85	16	28



- NOTES:
- ALL WATERMAIN VALVES, FIRE HYDRANTS AND FITTINGS SHALL BE INSTALLED WITH CONCRETE BLOCKING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND DETAILS.
 - THE SANITARY SEWER SHALL BE CONSTRUCTED AFTER CLEARING AND GRUBBING FOR THE STREET; BUT PRIOR TO PLACING EMBANKMENT. MEASUREMENT AND PAYMENT FOR TRENCHING AND BACKFILL SHALL BE BASED ON DEPTH FROM EXISTING GROUND FOR DEPTHS WITHIN THE LIMITS LISTED IN THE PROPOSAL.



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CALLE CUERVO & ELLISON DR. NW
SEWER AND WATER
PLANS & PROFILES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.E.E. Hydrology			Water		
MOD/ENG			NMUI		

DRAWING NO. 2649

MAP NO. A-14

SHEET 17 OF 29

AS BUILT INFORMATION

CONTRACTOR: UNIVERSAL CONSTRUCTION, INC.

DATE: 11/25/15

INSPECTED BY: BOB GAY

DATE: 11/25/15

APPROVED BY: [Signature]

DATE: 11/25/15

RECORDED BY: [Signature]

DATE: 11/25/15

NO. 17

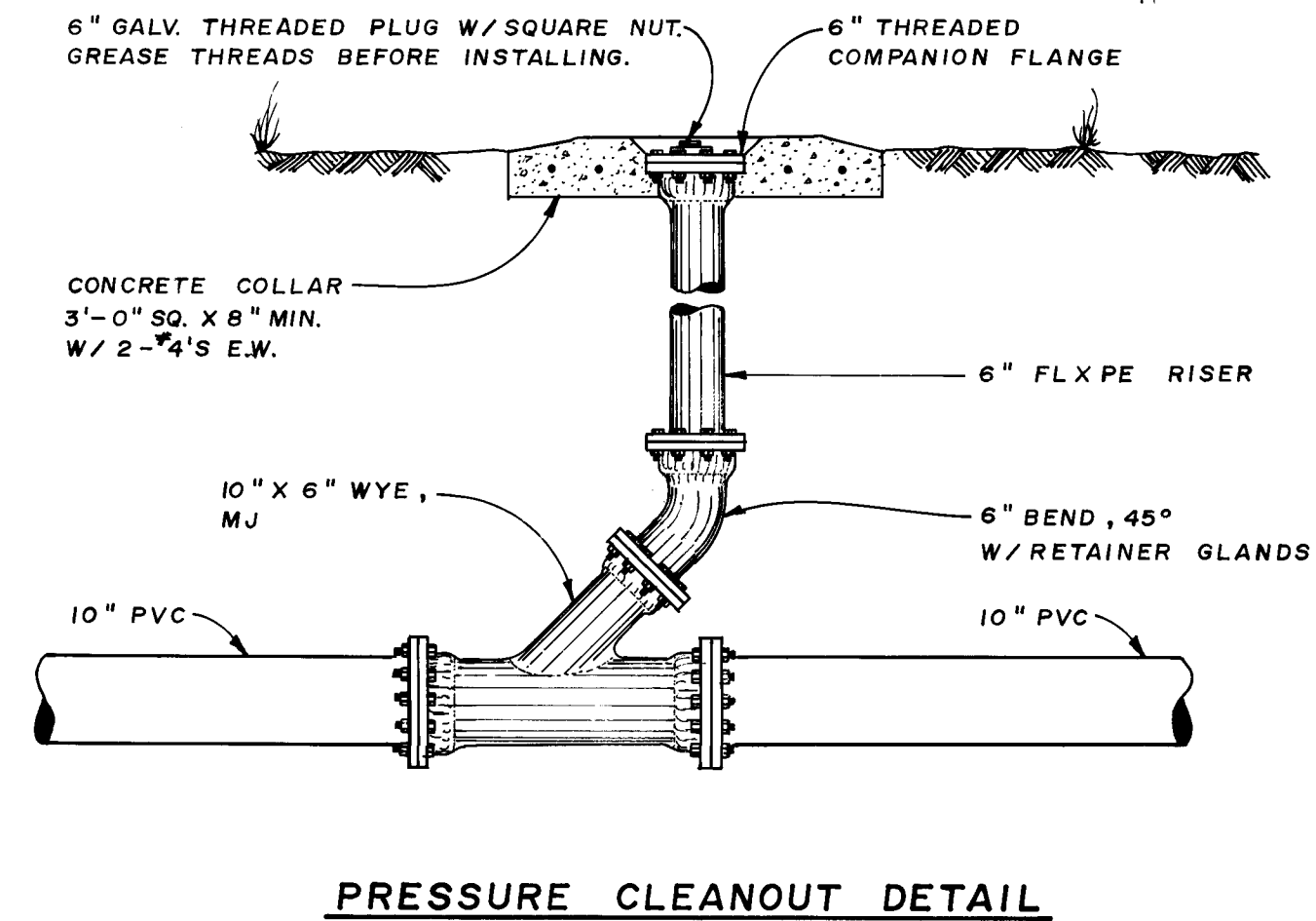
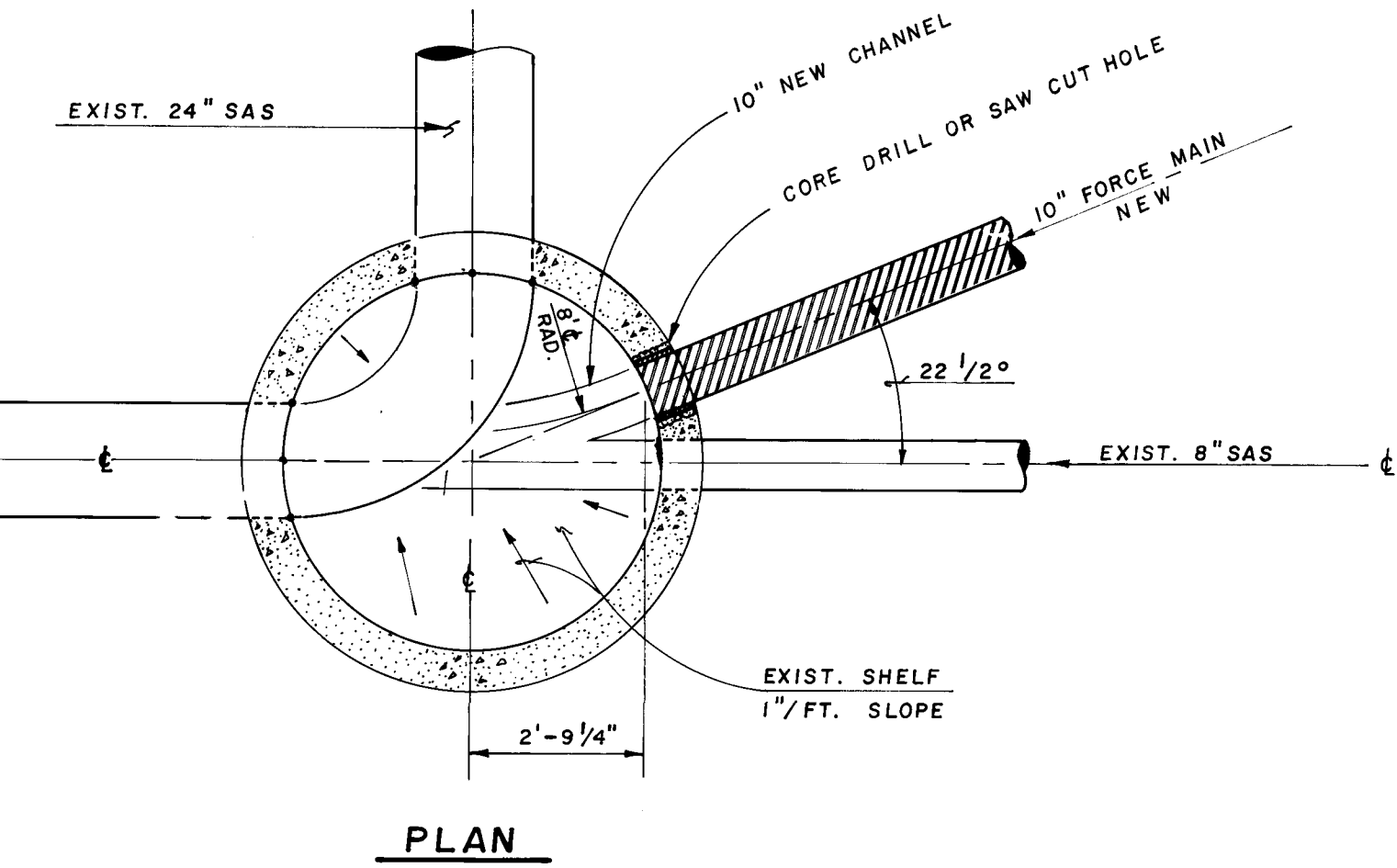
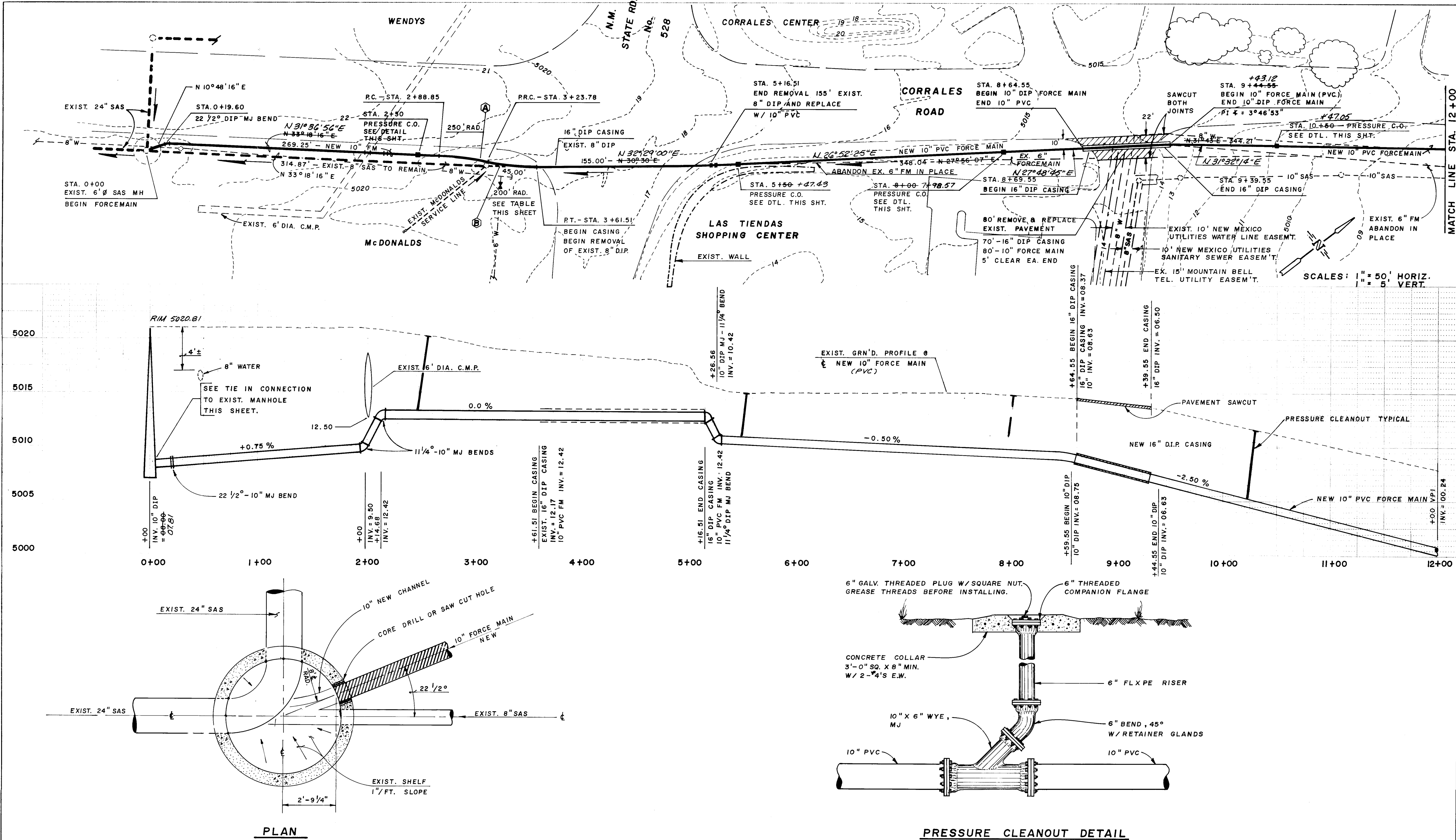
REVISIONS

NO.	DATE	REVISIONS
1	11/25/15	Initial Design
2	11/25/15	Revised Design

DESIGNED BY: [Signature]

DRAWN BY: [Signature]

CHECKED BY: [Signature]



RECORD DRAWINGS

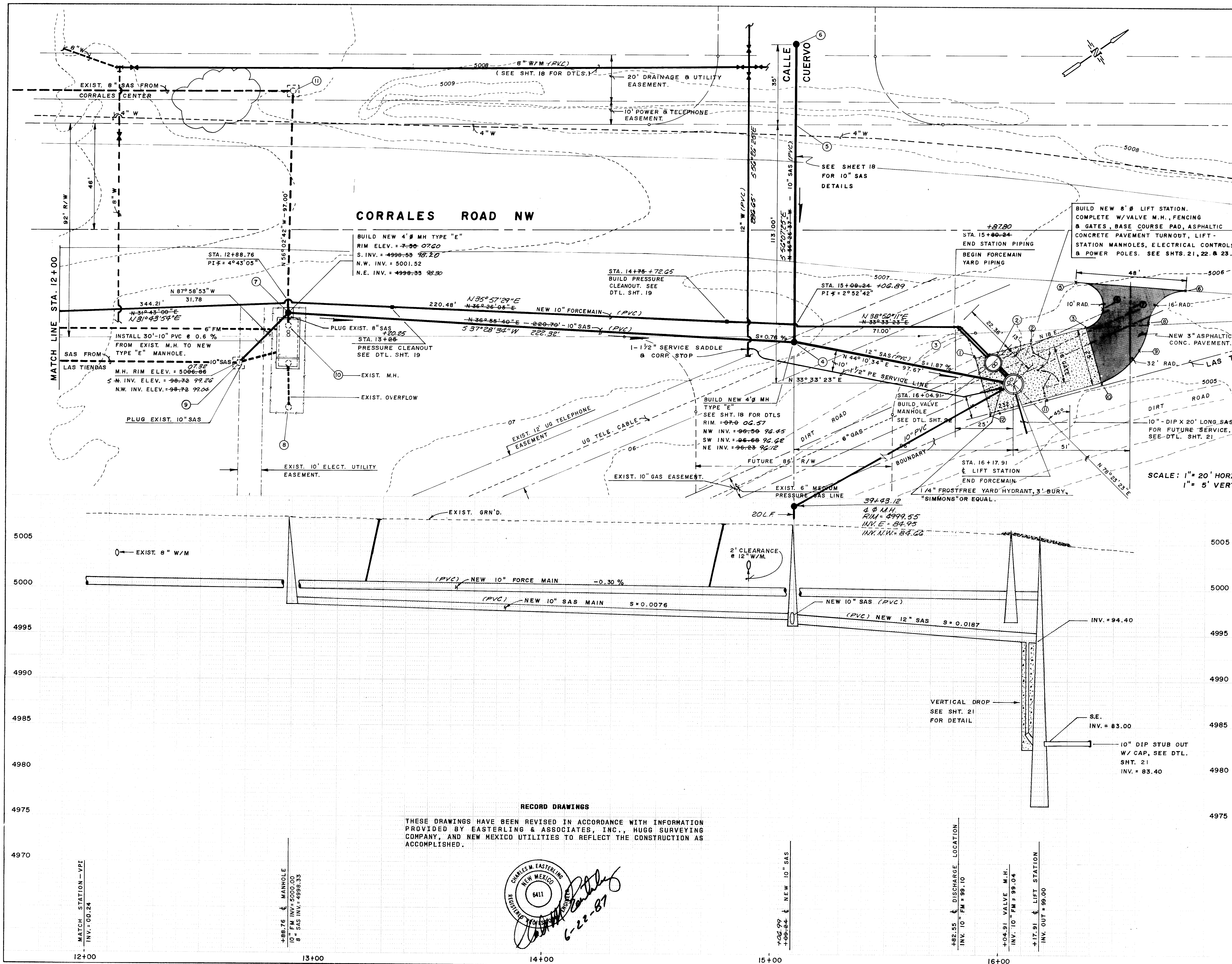
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC., HUGG SURVEYING COMPANY, AND NEW MEXICO UTILITIES TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

CHARLES M. EASTERLING
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
6111
6-22-87

CURVE DATA					
NO.	RAD.	Δ	L	T	C
250'	08°00'18"	34.93°	17.49'	34.90'	—
200'	10°48'35"	37.73°	18.93'	37.68'	—

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACT: UNIVERSAL CONCRETE, INC.		N.M.S.D. BRASS CAP "N.M. 448 - N12"		FIELD NOTES		NO.	
DATE: 7-10-88		ELEV. 5023.411		DATE		BY	
DRAWN BY: T.4		LOCATED 60' WEST OF CORRALES ROAD N.W.		APPROX. 550' SOUTH OF INTERSECTION WITH CORRALES ROAD N.W. (S.R. No. 528)		REVISIONS	
CHECKED BY: T.4		DATE: 10-30-85		DESIGN		NO. DATE	
RECORDED BY: T.4		DATE: 10-30-85		REMARKS		BY	
DATE: 10-30-85		DATE: 10-30-85		DATE: 10-30-85		DATE: 10-30-85	

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: CORRALES ROAD 10" FORCE MAIN PLAN & PROFILE			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	APC	11/25/85	Liquid Waste
A.C.E. Design	APC	11-6-85	Traffic
A.C.C. Hydrology	APC	11-25-85	Water
MDP/ENG	APC	11-25-85	N.M.U.I.
DRAWING NO. 2649	MAP NO. A-14	SHEET 19 OF 29	DATE: 10-30-85



NOTE: Remove & reset exist. temporary barbed wire fence along Corrales Road as required for construction activities. Cost incidental.

No.	NORTH	EAST	LOCATION
1	30344.31	82185.55	LIFT STATION
2	30341.69	82172.82	VALVE M.H.
3	30337.19	82150.92	DISC. 8 FM SOUTH
4	30274.26	82117.49	NEW M.H.
5	30326.77	82038.32	ST. 8 R/W C.R.
6	30346.12	82004.15	NEW M.H.
7	30097.83	81984.89	NEW M.H.
8	30073.88	82018.47	EX. CMP. M.H.
9	30066.07	81986.01	SW. CNR. CONC. PAD
10	30095.06	81989.02	N. RIM. M.H.
11	30152.01	81904.43	N. RIM. M.H.

No.	ELEVATIONS	DESCRIPTION
1	6.33	FG
2	6.25	FG
3	6.00	FG
4	5.70	FL
5	5.95	TP
6	5.40	FL
7	5.40	TP
8	5.20	FL
9	5.35	FG
10	5.50	FG
11	5.75	FG
12	5.83	FG

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

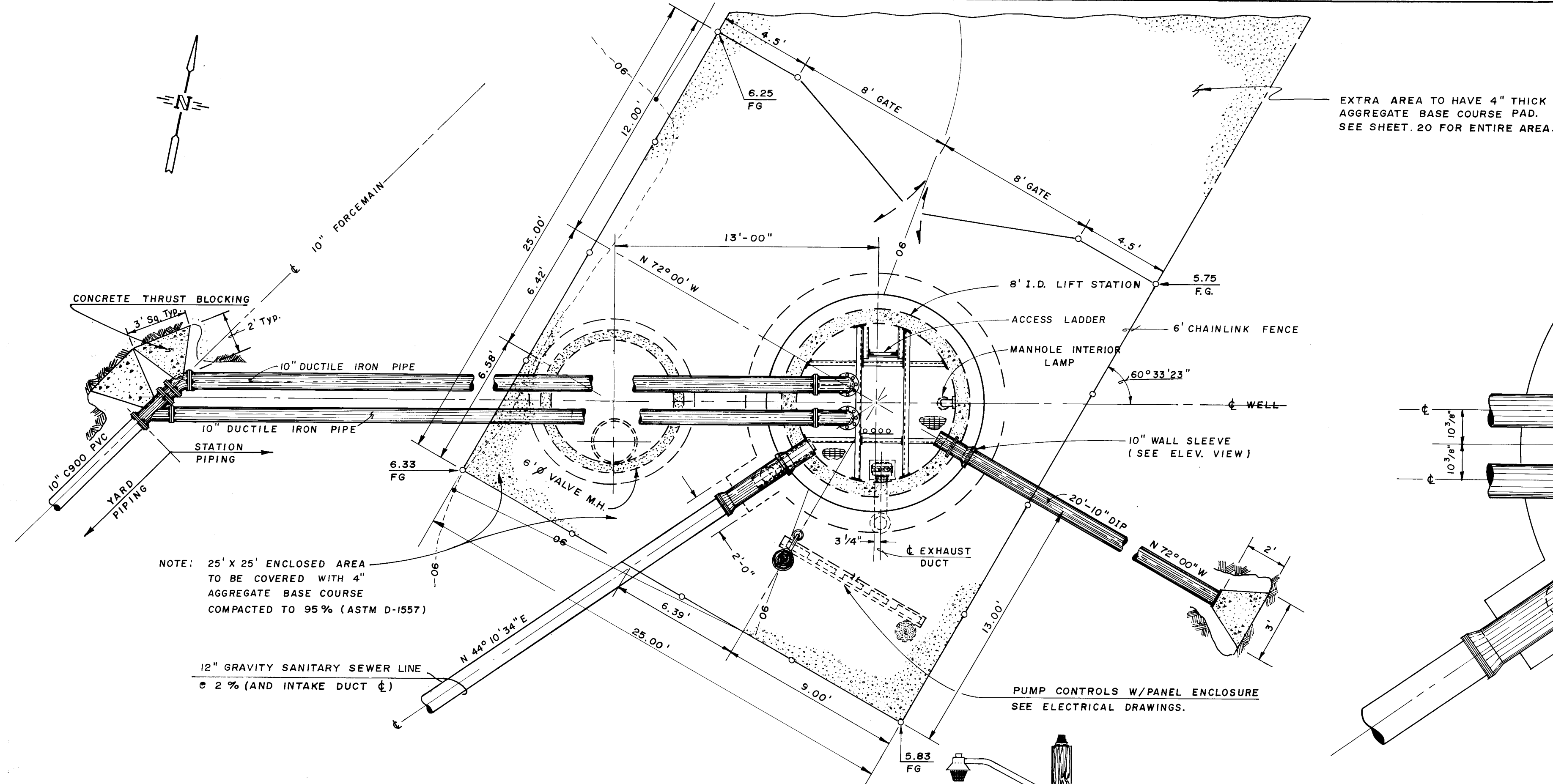
RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC., HUGG SURVEYING COMPANY, AND NEW MEXICO UTILITIES TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

CHARLES M. EASTERLING
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
NO. 6411
6-22-87

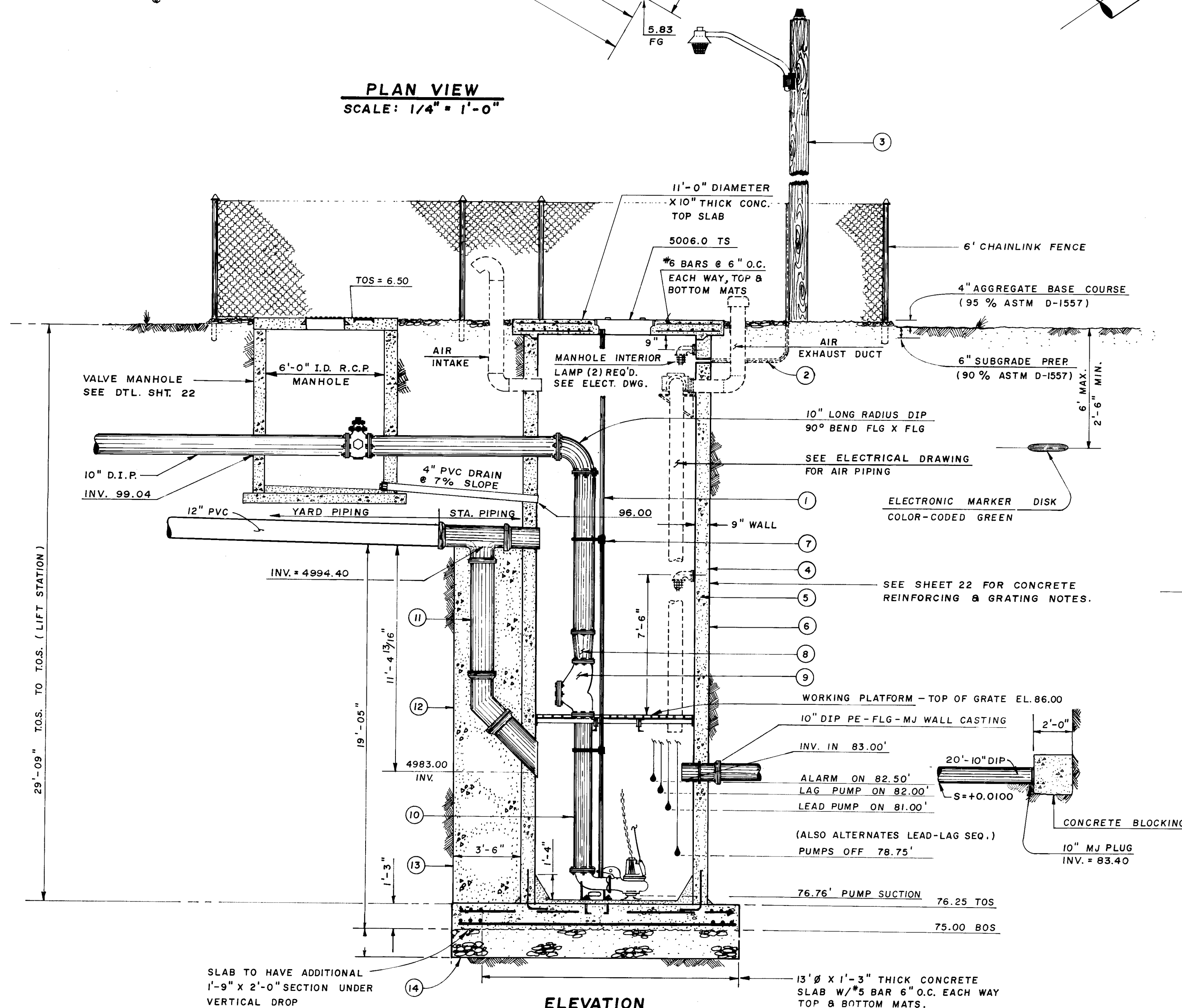
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SIGNATURE	
CONTRACTOR UNIVERSAL CONSTRUCTION, INC.		N.M.S.D. BRASS CAP "N.M. 448 - N12"		FIELD NOTES		DATE	
WORK ORDER NO. 2649		ELEV. 5023.411		NO.		BY	
ACCEPTANCE BY		LOCATED 60' WEST OF CORRALES ROAD N.W.		DATE		DATE	
DATE 7-1-88		APPROX. 550' SOUTH OF INTERSECTION WITH CORRALES ROAD N.W. (S.R. No. 528)		NO.		DATE	
DRAWING BY		VERIFICATION BY		NO.		DATE	
DATE		DATE		NO.		DATE	
MICRO-FILM INFORMATION		RECORDED BY		NO.		DATE	
DATE		DATE		NO.		DATE	

REVISIONS	REMARKS	BY	DATE
1	Added Cont. 29 to det.		
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

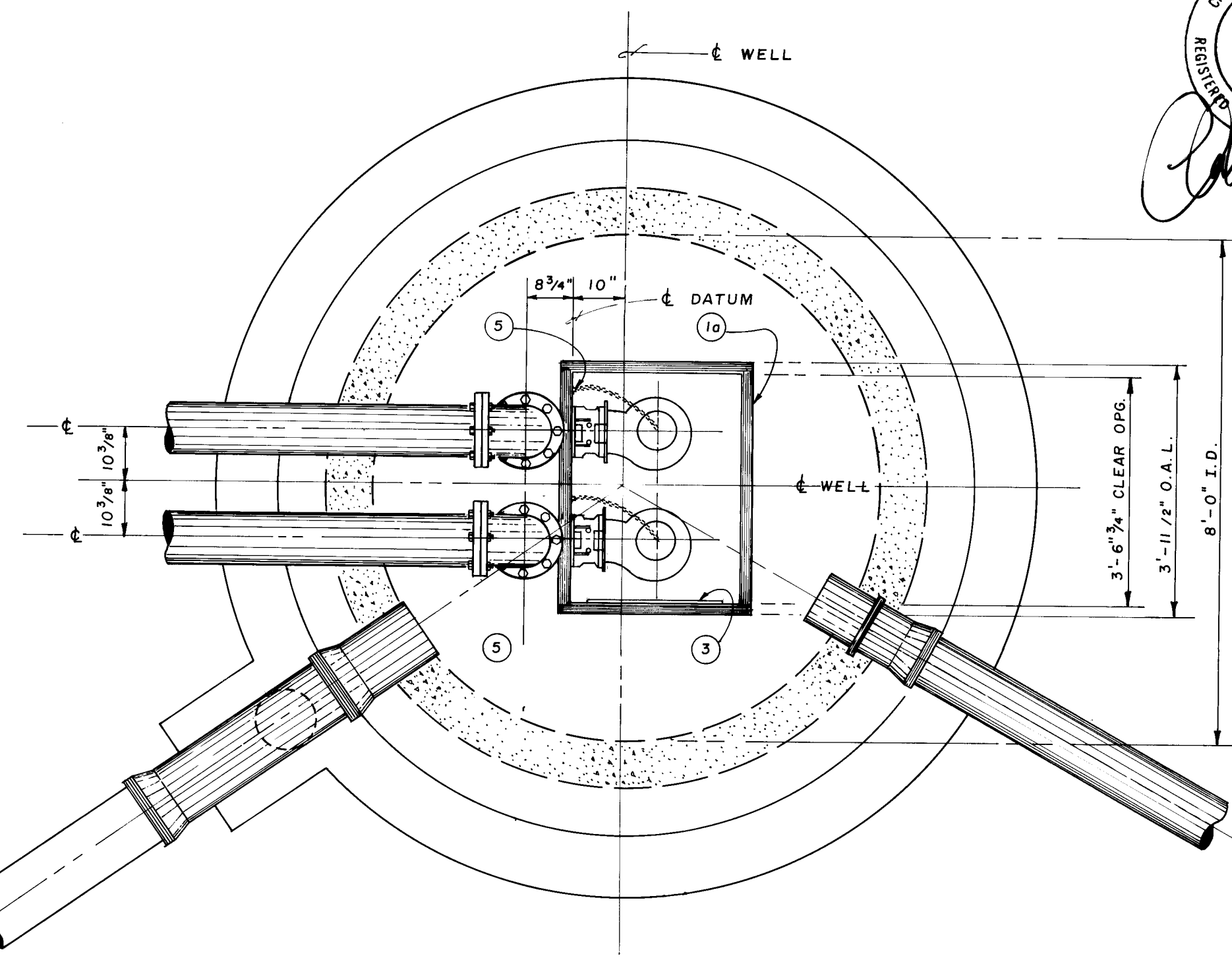
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
TITLE: CORRALES ROAD PUERTA DE CORRALES LIFT STATION LOCATION 10" FORCE MAIN - PLAN & PROFILE	
APPROVALS	ENGINEER
City Engineer	APPROVALS
A.C.E. Design	ENGINEER
A.C.E. Hydrology	DATE
MAINTENANCE	DATE
DRAWING NO. 2649	MAP NO. A-14
SHEET 20 OF 29	



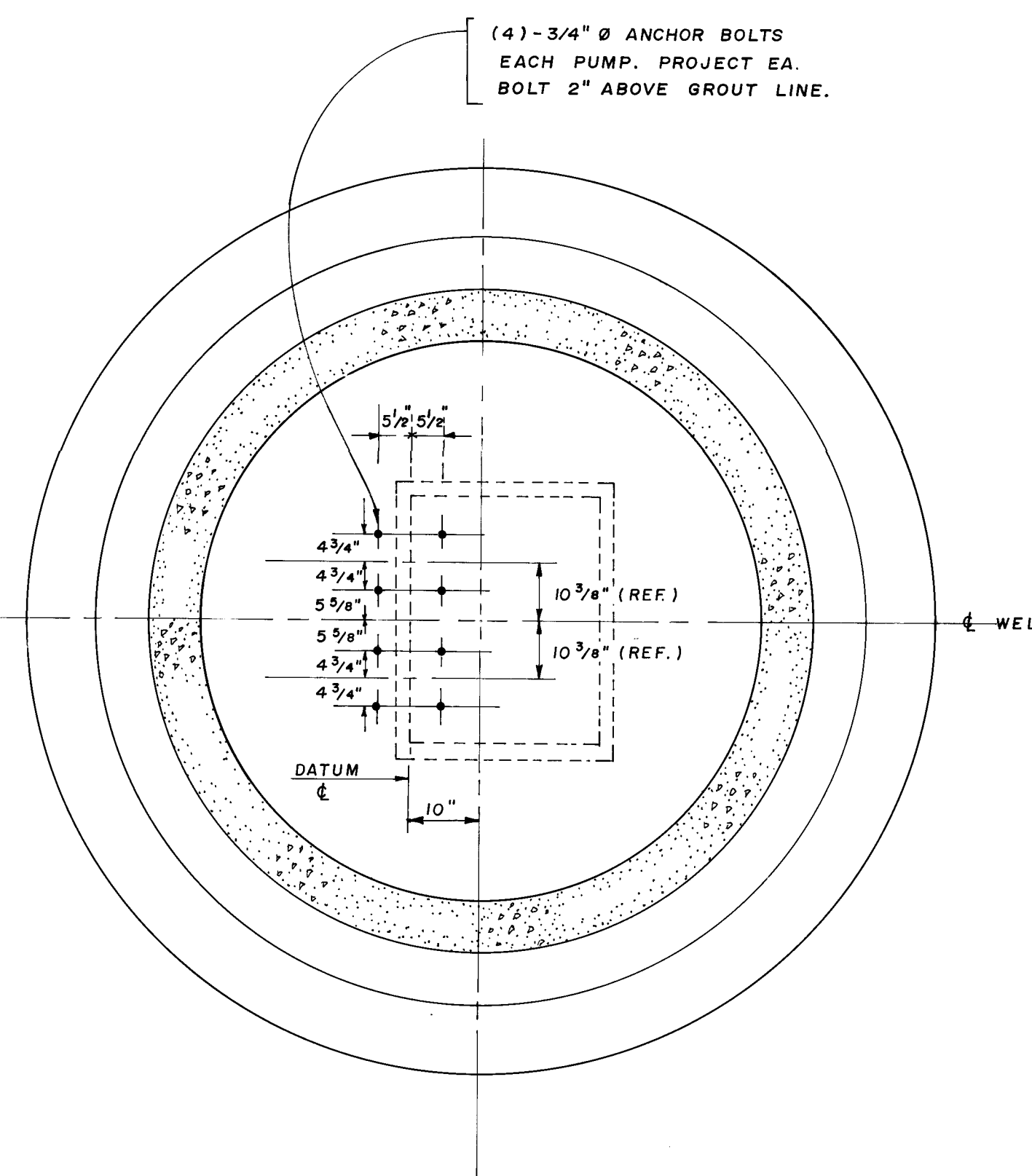
PLAN VIEW
SCALE: 1/4" = 1'-0"



ELEVATION
SCALE: 1/4" = 1'-0"

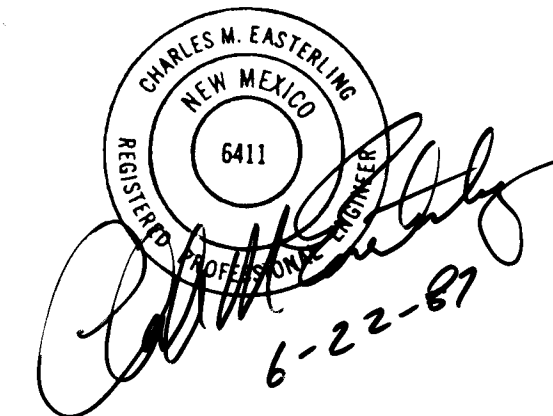


TOP SLAB & FRAME PLAN
SCALE: 1/2" = 1'-0"



ANCHOR BOLT LAYOUT
SCALE: 1/2" = 1'-0"

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC., HUGG SURVEYING COMPANY, AND NEW MEXICO UTILITIES TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



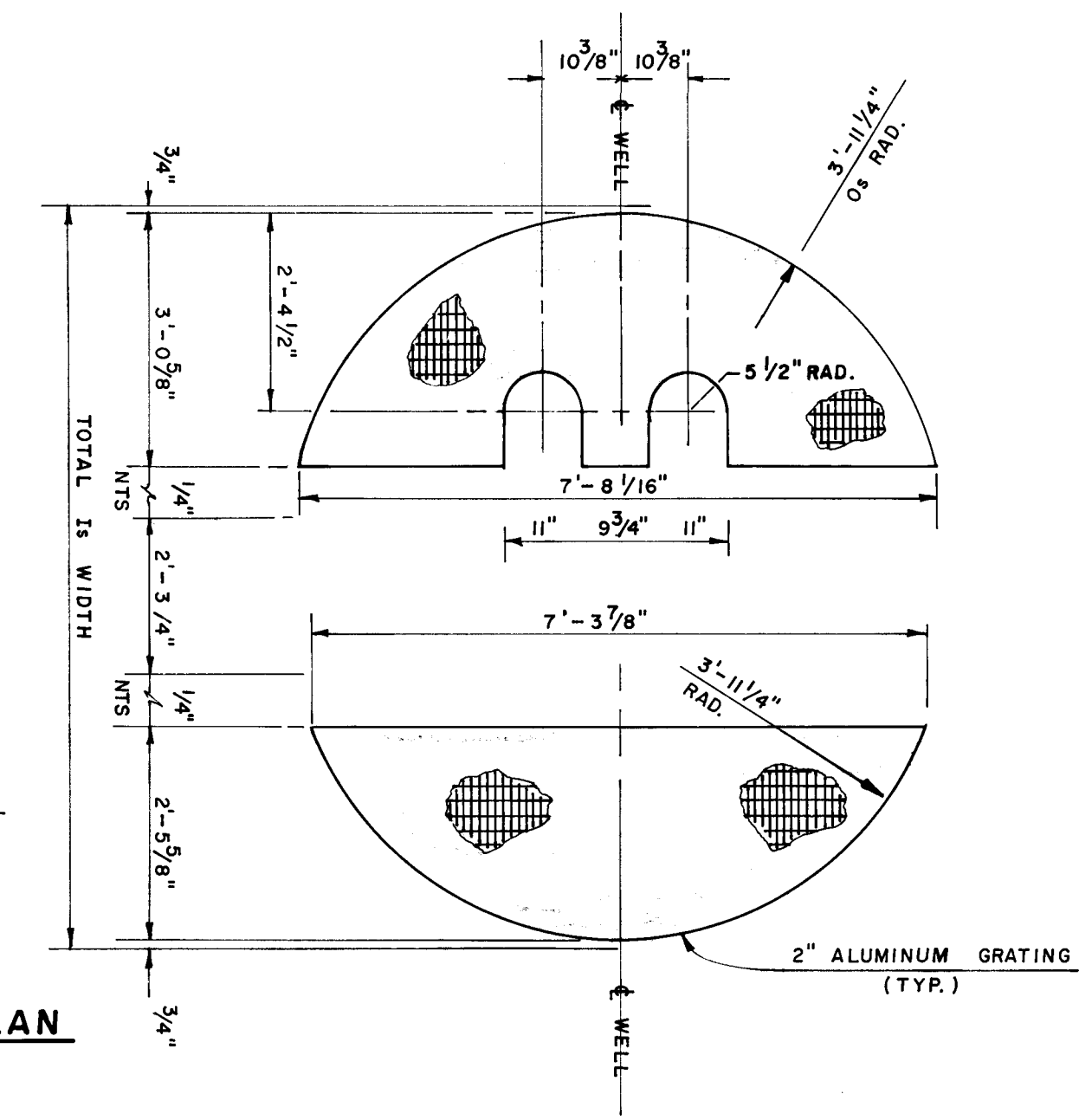
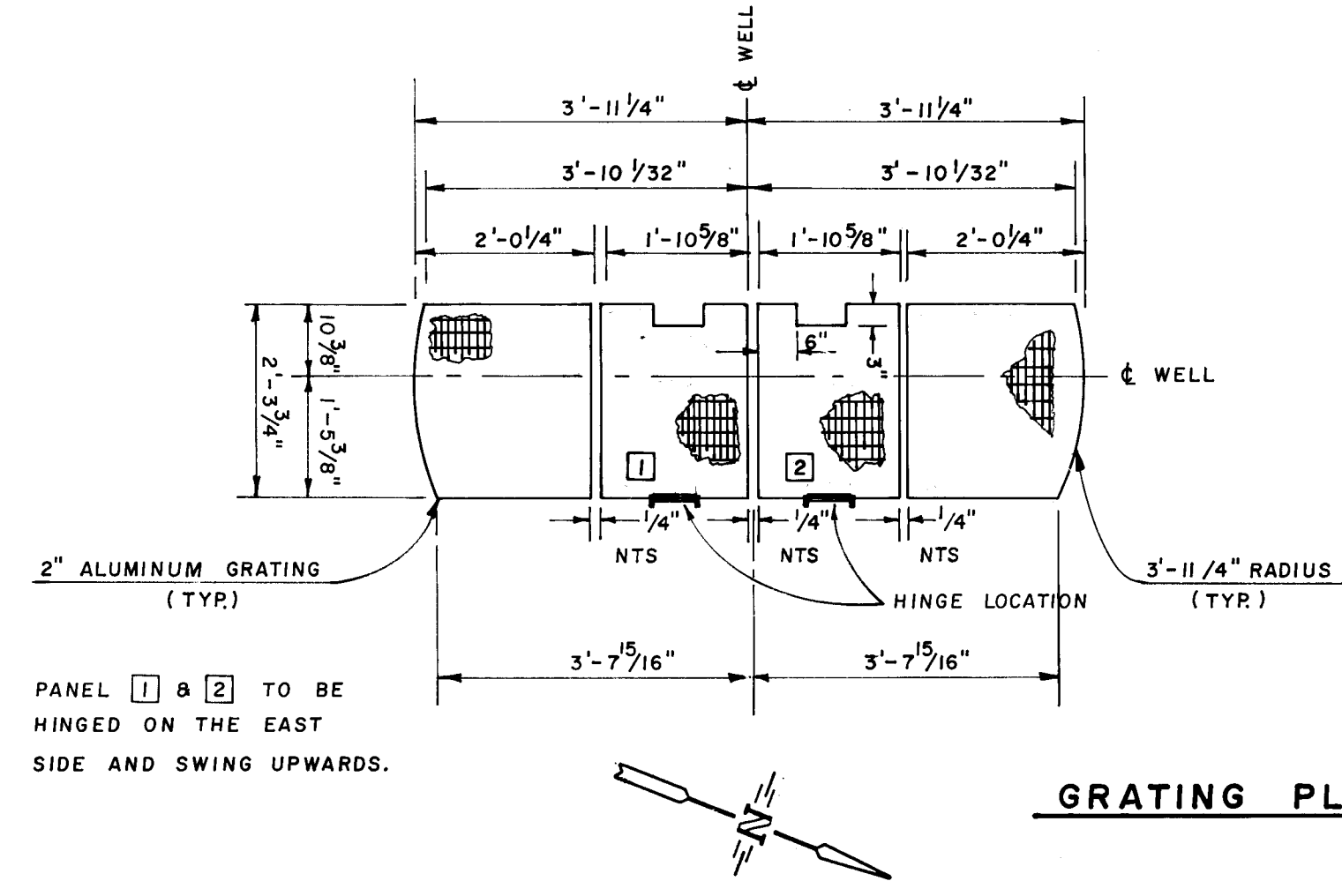
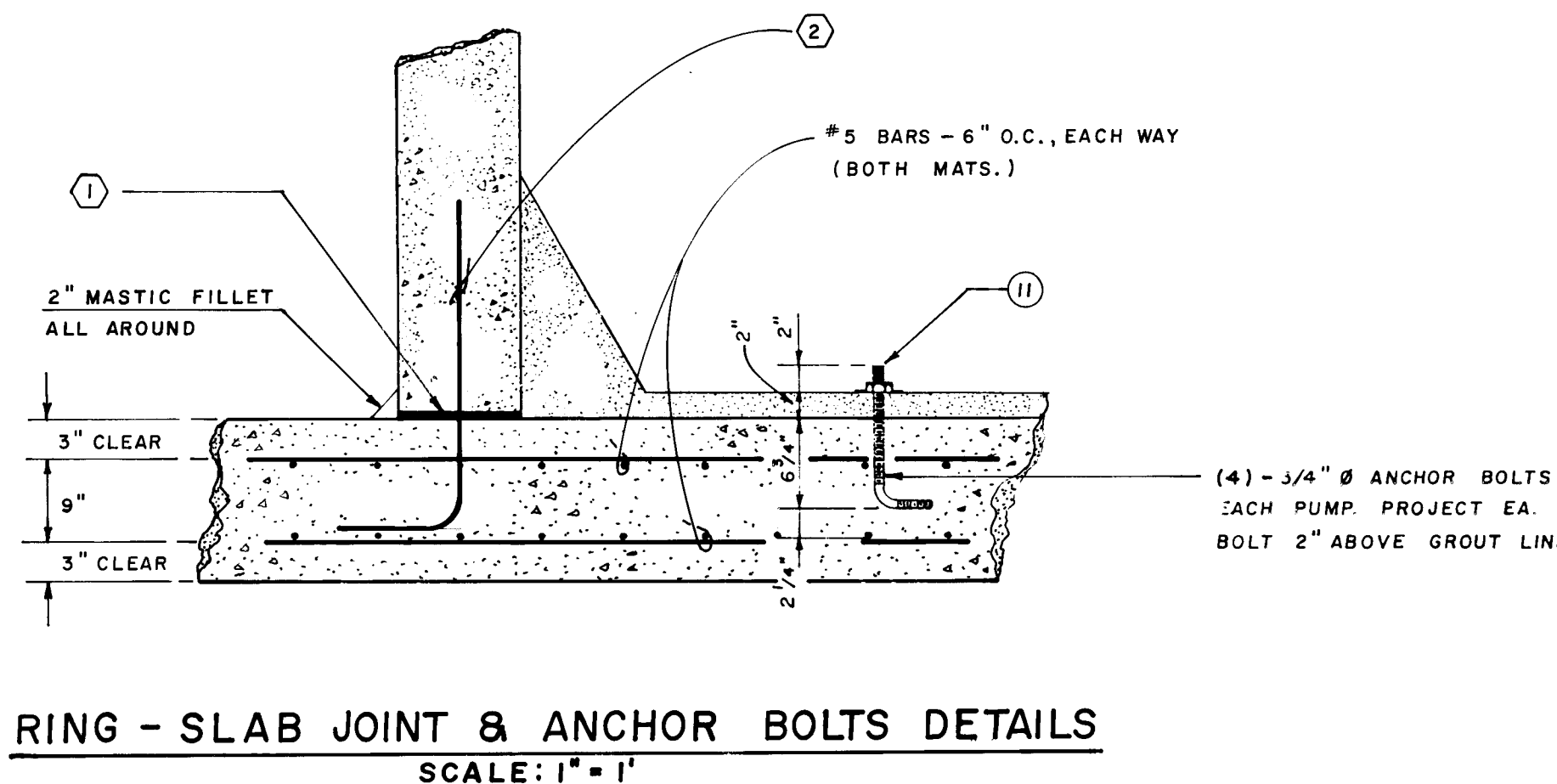
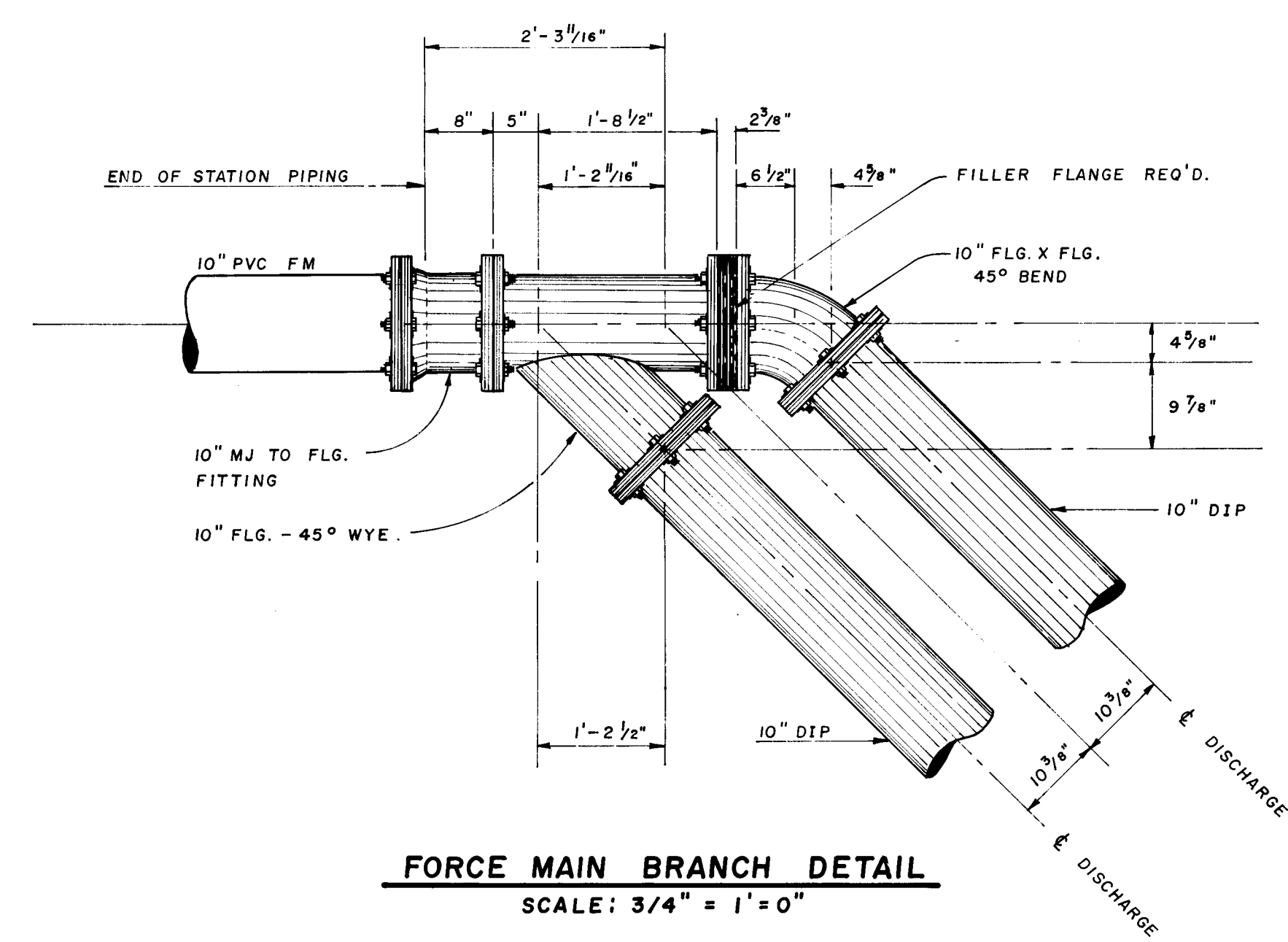
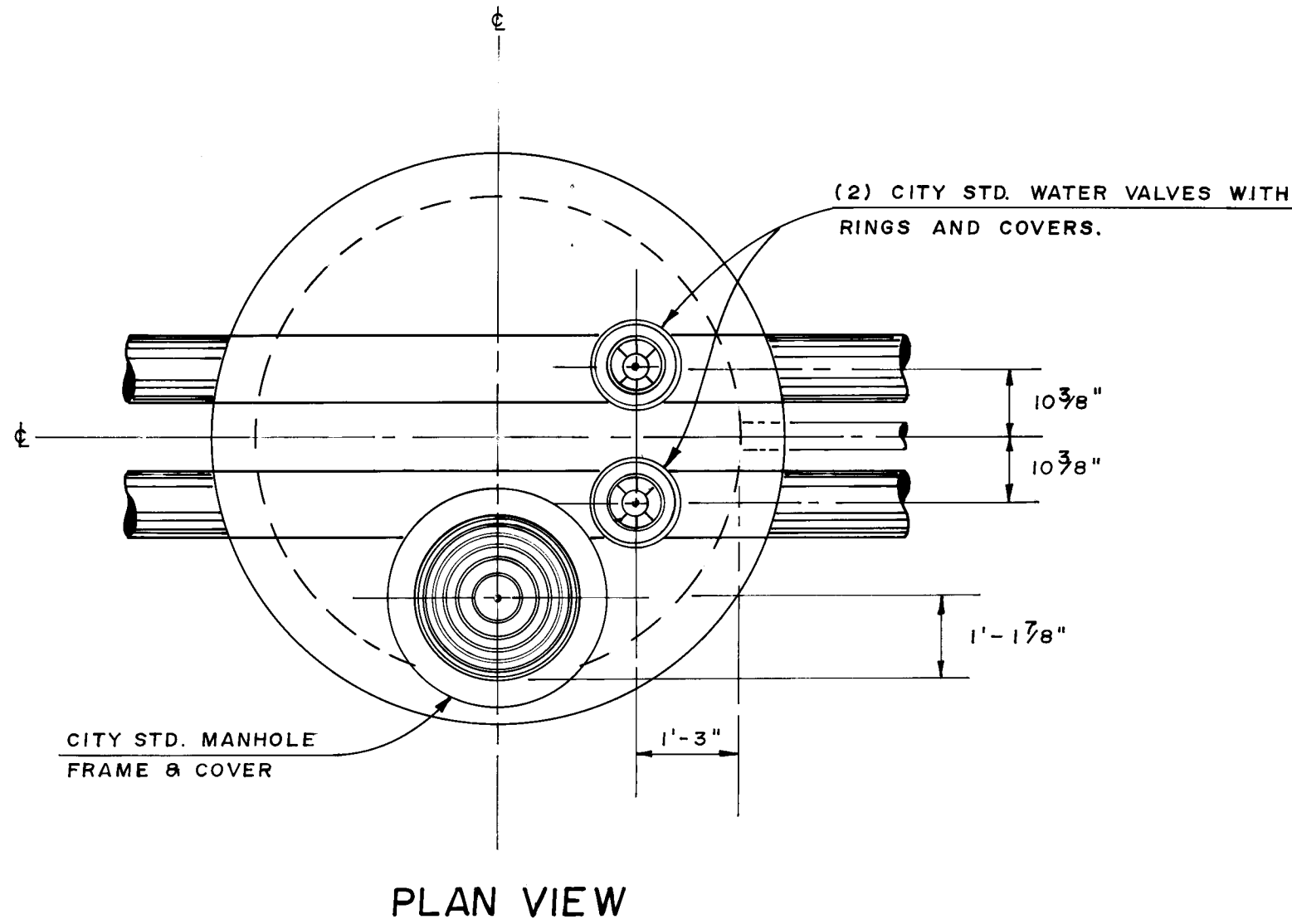
MATERIAL DESCRIPTION

- 2" Std. pipe guides (not Flygt. equip.)(Galvanized)
- Electrical conduit.
- Power pole to be installed by PNM after Lift Station is complete but prior to fence work.
- Note: See plan view for correct horizontal alignment of all items shown in elevation view.
- Ring reinforcement to be same as commercially prefabricated reinforced concrete pipe & in accordance with ASTM C-76.
- Note: Contractor to backfill and compact material around ring as it is built. No more than 10' vertical feet of ring shall be unsupported by compacted backfill at any time. Compact backfill to 95% ASTM D-1557, material is to be compacted in 1'-0" lifts.
- Intermediate guide bar bracket, (2) req'd.
- 10" x 8" flg. x flg. D.I.P. reducer.
- 8" ball check valve. (Flygt.)
- 8" D.I.P. flg. x flg. x 5'-0" long.
- 12" D.I.P. bell and spigot joints.
- Concrete fill to be made with Type II cement.
- See plan for correct horizontal alignment of 12" influent line and encasement of vertical drop.
- 1'-6" compacted 3/4" gravel to maximum density.

26 26492187

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: PUERTA DE CORRALES LIFT STATION LAYOUT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	William O. Burt	11-25-85
A.C.E. Design	ALC	11/5/85	Traffic	W.A. D.A. Pado	11-6-85
A.G.E. Hydrology			Water	William O. Burt	11-25-85
MOD/BNG		11/25/85	NMUI		11-25-85
DRAWING NO.	2649		MAP NO.		
			SHEET 21	OF 26	
			A-14		29

FLYGT. EQUIPMENT LIST				
Item	Quantity		Considerations	Flygt Part #
1a	1	Access frame M-20 for duplex station	Reverse hinge on door	14 9485 52 0000
3	1	Cable holder assembly	PVC coated	14 58 94 05
4	2	Upper guide bar brackets	(1) for each pump	14 58 93 15
5	2	Safety chain hook assembly	(1) each pump	14 58 91 05
6	2	Intermediate guide bar bracket	(1) each pump	14 58 42 03
9	2	Galvanized lift chains	30' long each	14 58 71 00
9b	2	Chain fittings kit	(1) each pump chain	14 58 72 00
10	2	90° elbow discharge connection	Automatic disconnect	444 71 06
11	8	Anchor bolts	Stainless steel	14 58 95 35
13	2	CP-3127 8" disc. pumps - 10 HP - 1750 RPM 3Ø 200 230/460 750 volts	W.W. impeller 442	8" HV CP 3152



THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC., HUGG SURVEYING COMPANY, AND NEW MEXICO UTILITIES TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



- High Density foam water sealant strip 1/2" minimum thickness.
- #6 Dowels - 9-1/2" x 2'-0" Bars to be made with 90° bend. Field bending is not permissible. (8) req'd. - space radially and equally around slab and ring. Tie dowels to RCP & slab reinforcement. Rotate bottom mat 45° from top mat.

REINFORCEMENT & CONCRETE NOTES:

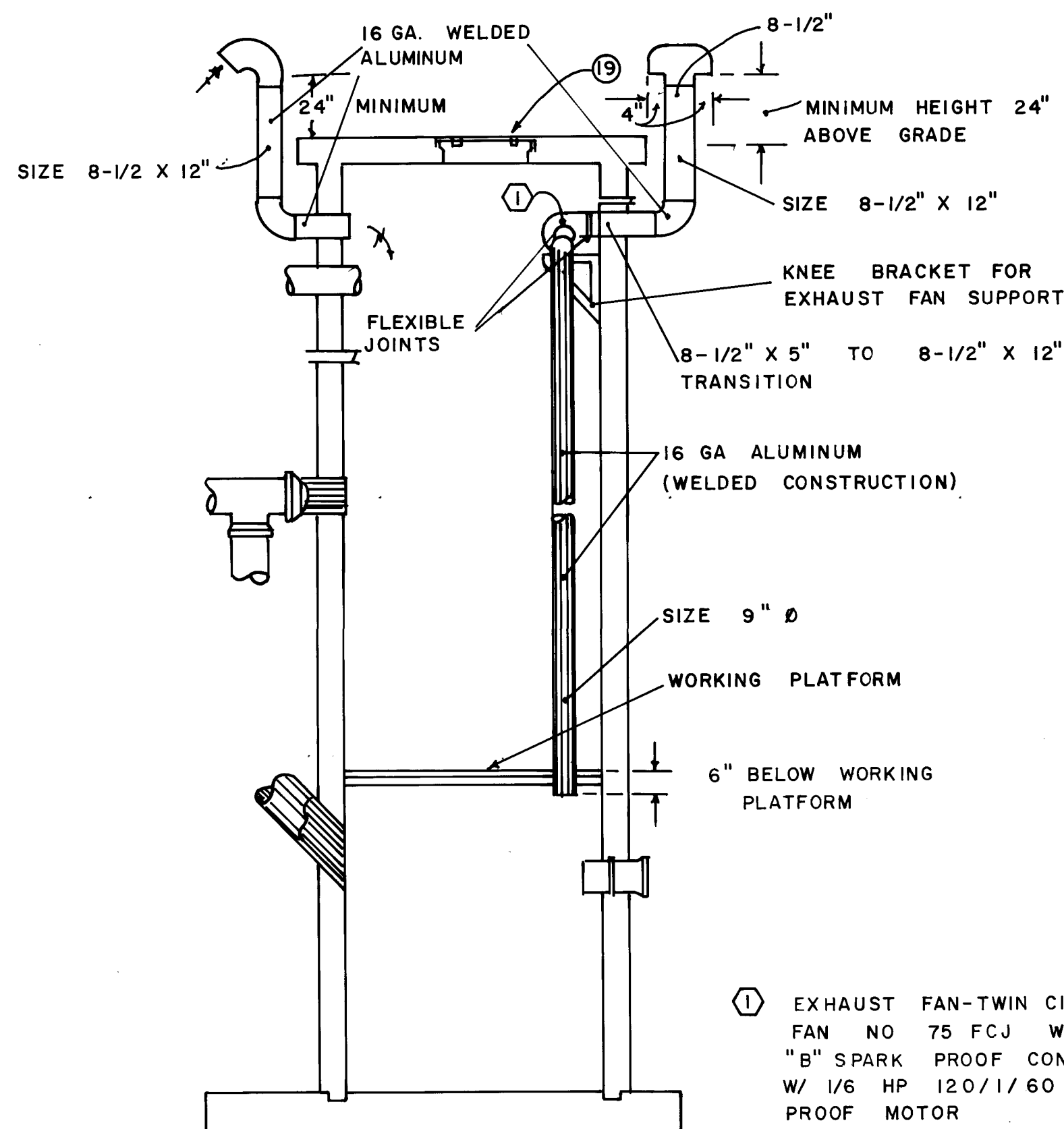
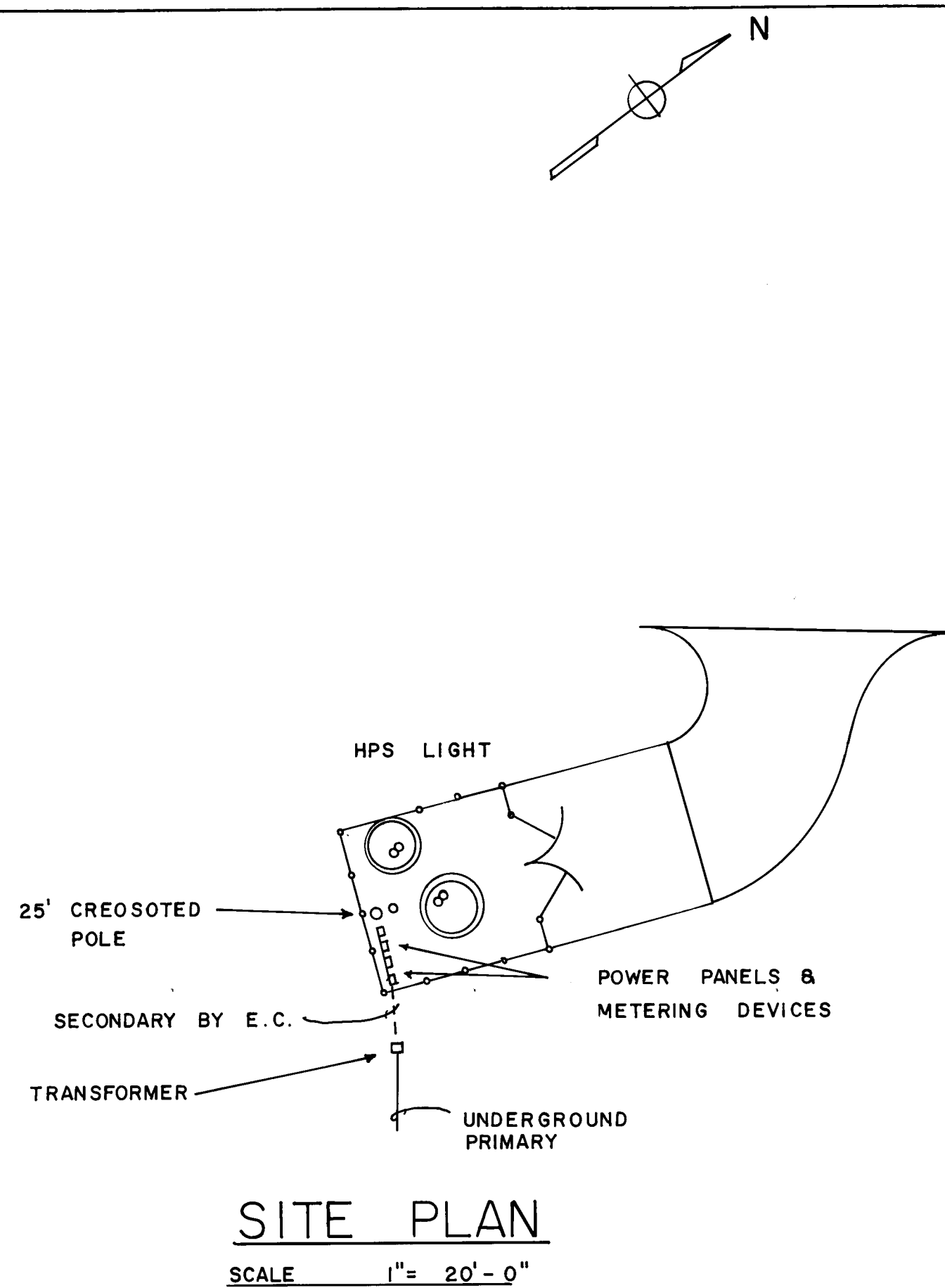
- All concrete to be 3,000 psi minimum at 28 days w/air entrainment.
- All reinforcing steel to be deformed bars - Grade 40 ASTM A615.
- Cement to be Portland ASTM C150 Type II, Cement.

GRATING NOTES:

Grating to be 2" min. depth aluminum grating. Framework to be aluminum. Fasten to manhole ring with drill in anchors. All framing-grating and connectors to support a loading of 100 P.S.F. Framework to have bearing cross member to support access ladder.

26 21492287

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: PUERTA DE CORRALES LIFT STATION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	4/24/90	11-25-88
A.C.E. - Design	ALLIANCE	11/25/85	Traffic	11-6-85	
A.C.E. Hydrology			Water	4/24/90	11-25-88
MDD/ENG			NMUL		
DRAWING NO.	2649		MAP NO.		
			SHEET 22 OF 28		



VENTILATION

NOT TO SCALE

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



GENERAL NOTES

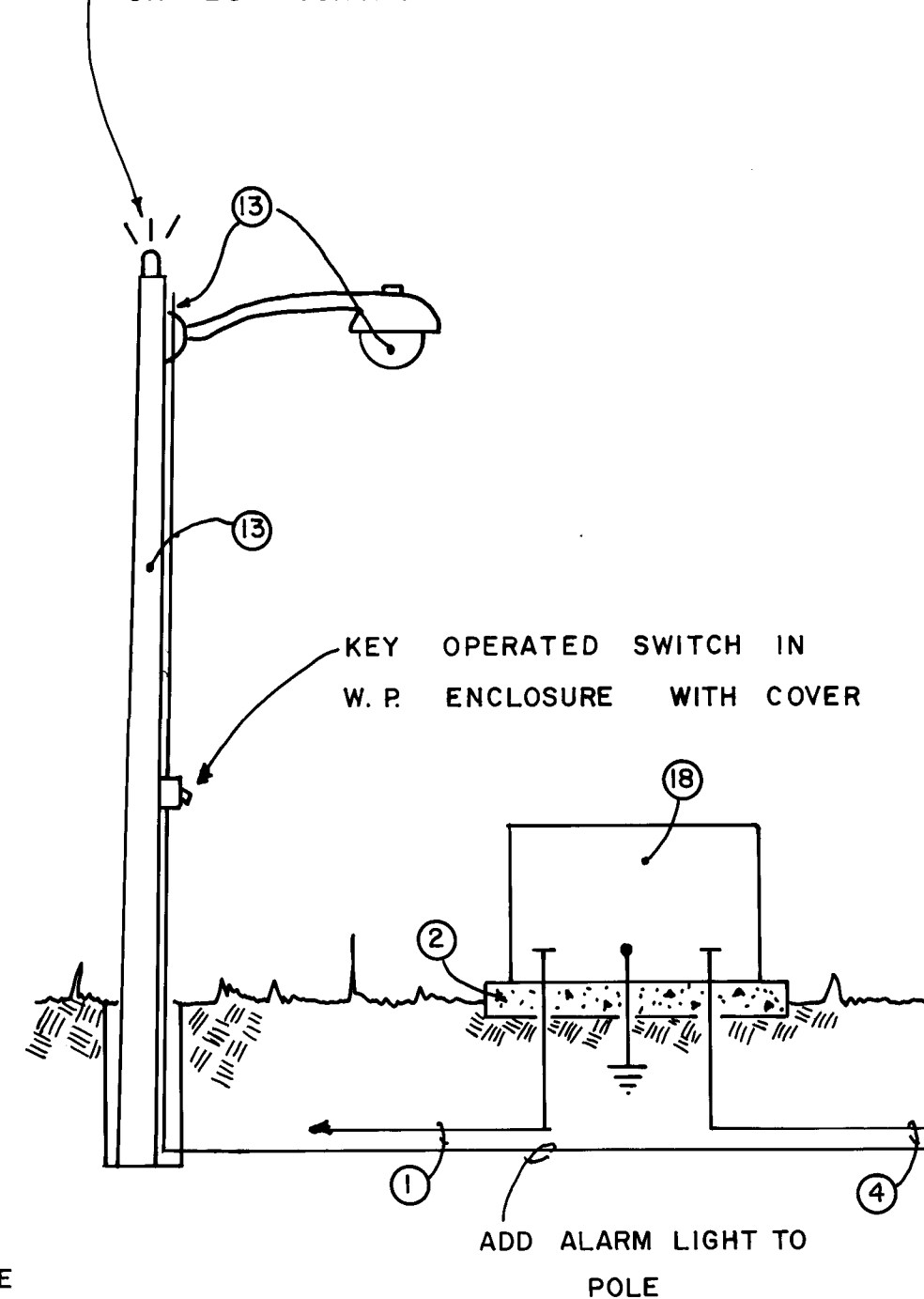
- Furnish all labor, materials, service, equipment, and appliances required to complete the installation of the complete electrical systems.
- Conform to National Electrical Code, New Mexico State Electrical Code, Underwriters' Laboratory Standards, American National Standards Institute Standards, and National Fire Protection Association Standards.
- UL label required where applicable.
- Submit material list for approval prior to ordering.
- Submit panelboard shop drawings for approval prior to ordering.
- Similar materials and equipment to be the product of the same manufacturer.
- Provide nameplate for each individual disconnect switch and remote control device to identify each item with its respective service.
- Conduits shall be rigid galvanized steel, threaded. Install explosion proof seal-offs as required.
- Conductors shall be UL and IPCEA Standards; No. 12 minimum size; copper; 600 volts; type TW minimum; Type THW or XHHW for conductors larger than No. 6. Use of equivalent aluminum conductors not permitted.
- Disconnect switches shall be heavy-duty type; fusible as required & raintight.
- Fuses shall be dual-element, time-delay type; based on heavy service; Buss Fusetrons.
- Installation shall be in strict compliance with article 501, Class 1, Division 1 of the National Electrical Code.

NOTES

SYMBOL

- Install 1" - 4" concrete encased RGS Per PNM Drawing No. DS-7-15.0 to primary feeder tap location. Verify exact location with PNM prior to trenching.
- Furnish and install a transformer pad per PNM Drawing No. DS-7-16.4 Radial Feed.
- Install meter base (200 Amp, 3Ø, 4 wire wye) per PNM Drawing No. DS-19-11.4.
- Install 4" 1/0 THW Cu. In. 2" conduit.
- Install 6" x 6" x length as required, NEMA 3R Wireway.
- 250V-3P-3N, 60 amp fusible disconnect switch, NEMA 3R enclosure, fuse with 35 amp Bussman Fusetrons. 4" 8 & 1" 10 ground in 1" conduit.
- 125V-1P-SN 30 Amp Fusible disconnect switch, NEMA 3R enclosure. Fuse with 20 Amp Bussman Low-Peak fuses.
- *8 soft drawn copper to ground electrode conductor and bond.
- Extend #6 soft drawn copper to a 3/4" x 10' driven copper ground rod & to incoming water main and bond. Installation shall be in strict accordance with article 250 of the National Electrical Code.
- Furnish and install "EG" Pump Controls as specified elsewhere on this sheet.
- Furnish and install an explosion proof Exhaust Fan and Motor.
- 30 amp, 125V-1P-SN Fused Disconnect Switch, NEMA 3R with 20 Amp Fuses.
- Furnish and install GE #C746N797-120V (150W HPS Lamp) and mount on a 25' wood pole with top 20' above finished grade. Furnish with Photoelectric control and manual switch in series.
- Furnish and install two (2) 200 watt explosion proof incandescent fixtures. Benjamin # 7514-BX.
- Install 4" 8 & 1" 10 ground in 1" conduit.
- Motor starters to be included in "EG" Control Panel by "EG" Control.
- 2" 12 & 1" 12 ground in 3/4" conduit.
- Transformer by PNM.
- Contact switches under manhole door which will energize lights in Lift Station & energize explosion proof fan when manhole door is open. All conduits inside Lift Station will be Class 1, Division 1.
- Use Unistrut or equivalent to support panels and metering equipment. Unistrut shall be mounted horizontally or vertical with 4" x 4" x 1/4" angles embedded in 36" deep x 12" square, 3000 psi concrete base. Base shall be flush with finished grade.
- Control manufacturer shall include (3) three normally open and (3) normally closed contacts to provide telemetry capability through telephone lines.

BENJAMIN # KL3011-120 WATERTIGHT FLASHER UNIT 120V IN PARALLEL WITH FLASHER UNIT ON "EG" CONTROL PANEL.



POWER RISER DIAGRAM

NOT TO SCALE

MATERIAL SPECIFICATIONS

PUMP CONTROL SPECIFICATIONS

The pump controls shall be "EG" Pump Controls, a division of Electromate Corporation of Jacksonville, Florida.

A. The Logic Control System shall include the following:

- Logic control panel consists of the following components:
- Hand-Off-Auto selector switches for pumps
 - Pump run pilot lights (green)
 - 24 VAC power on indicator light (yellow)
 - Start lag pump indicator light (red)
 - Level alarm indicator light (red)
 - Alarm silence push button

- Logic control panel options:
- Elapsed time indicators to indicate pump run time

B. Logic control chassis consists of the following components:

- Square base plug-in relays 3PDT contacts rated at 10 Amp 230 VAC. Relays furnished with hold down bases to secure relays in place.
- LED indicator lights for relay function
- Electromechanical alternator - plug-in type
- Power On-Off switch for 120 VAC input, 24 VAC power
- 15 Amp circuit breaker for 120 VAC power
- 3 Amp circuit breaker for 24 VAC power
- Transformer 120 VAC input, 24 VAC output
- Auto/Manual alteration sequence selector switch
- Duplex receptacle 120 VAC - used for air compressor
- Three (3) point terminal block for supply power - 120 VAC
- Twelve (12) point terminal block for level control inputs
- Twenty (20) point terminal block for all outputs including terminal for visual and audible (or telemetry) alarm, normal dim glow for optional external alarm light, power monitoring for moisture and temperature sensing also with motor lock out and indicating LED

C. Logic control sequence of operations is as follows:

- 5th Level - High Level Alarm
- 4th Level - Start Lag Pump
- 3rd Level - Start Lead Pump
- 2nd Level - Stop Lag Pump
- 1st Level - Stop Lead Pump

MOTOR CONTROLS

- Set main lugs for incoming power connections
 - Ground lug on back panel
 - Stripheater and thermostat to prevent condensation and freezing
- * See motor controls below

ENCLOSURE

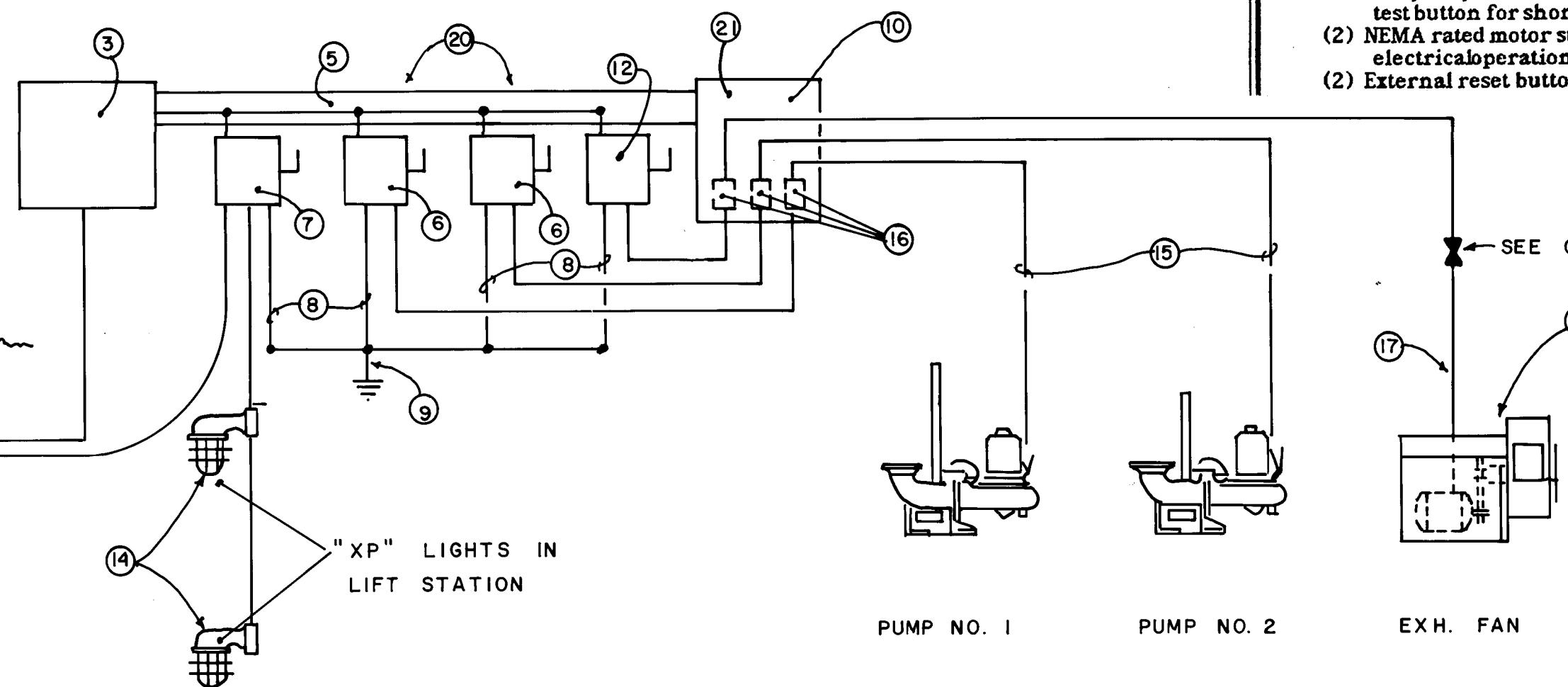
- NEMA type 3R fabricated from 14 ga. galvanized steel which is primed and painted inside and out.
- All hardware is stainless steel.
- Removable back panel
- Dead front (inner door) fabricated from .080 Marine Alloy aluminum

- Spare air compressor mounted on back panel
- Flow controlled automatic transfer/alarm chassis with standby air compressor
- GFI duplex receptacle
- Lightning arrester
- Alarm horn mounted on side of enclosure
- NEMA 4X red lexan alarm light mounted on top of enclosure
- Time delay on lag pump start, prevents simultaneous starting of lead and lag pump
- Elapsed time meters
- Moisture sensing seal failure relays with LED indicator

All equipment shall be UL approved with label

*Motor Controls:

- Heavy duty E frame thermal magnetic circuit breakers with trip test button for short circuit protection
- NEMA rated motor starters rated for ten (10) million full load electrical operations
- External reset buttons mounted on hinged dead front



PUMP NO. 1

PUMP NO. 2

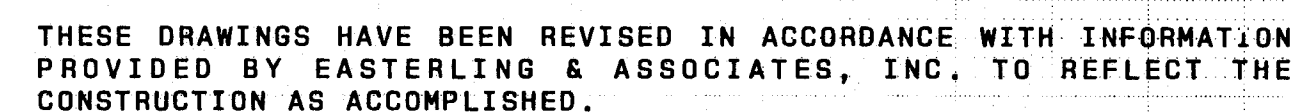
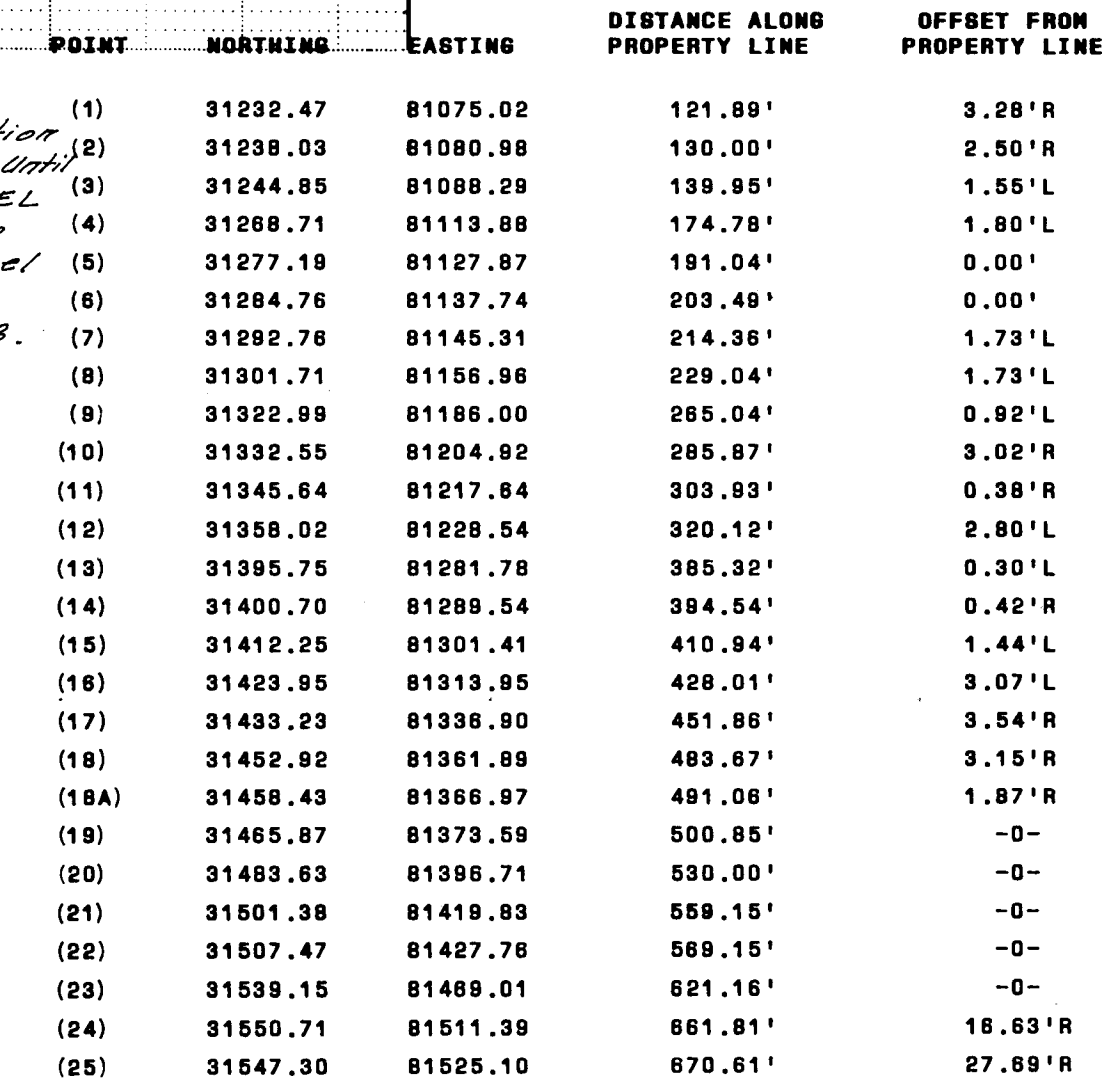
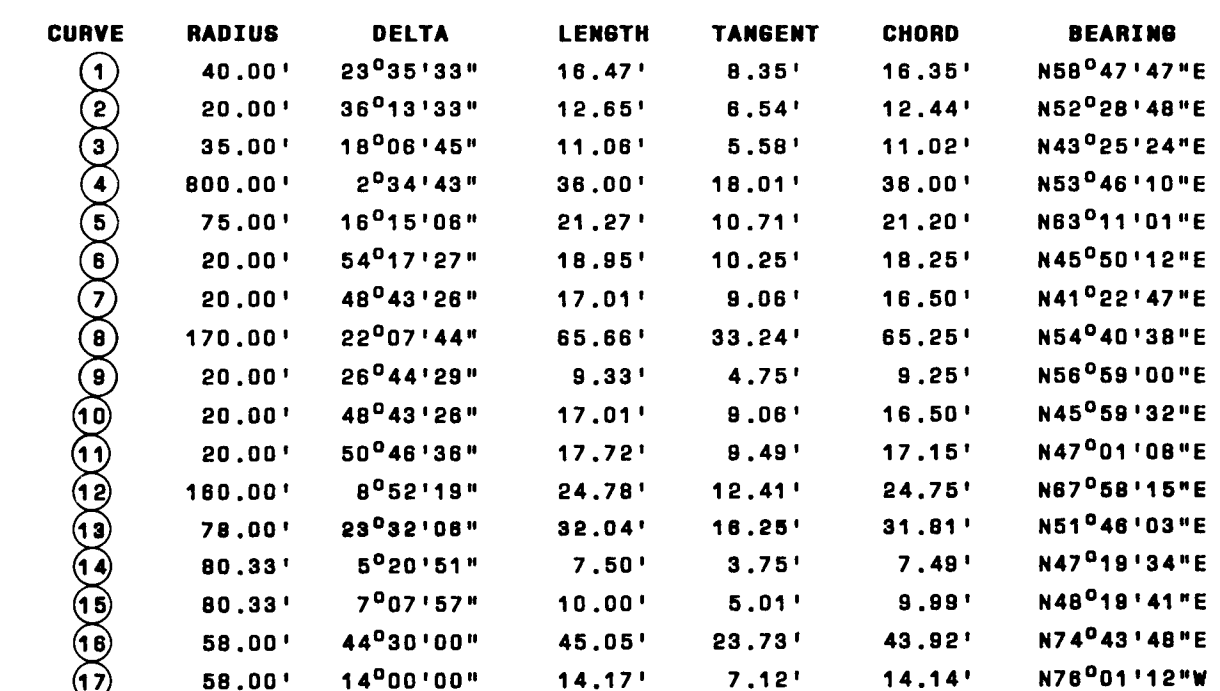
EXH. FAN

26 49 23 87

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: PUERTA DE CORRALES
LIFT STATION ELECTRICAL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	MA	11-25-85
A.C.E. - Design	MA	1/25/85	Traffic	MA	11-6-85
A.C.E. - Hydrology	MA	11/25/85	Water	MA	11-25-85
MDD/ENG	MA	11/25/85	NMUI	MA	11-25-85
DRAWING NO.	2649		MAP NO.	A-14	
			SHEET	23 OF 29	



RECORD DRAWINGS

1	2	3	4	5	6	7	8	9	10	11	12
2	6		2	6	4	9	2	4	8	7	

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: PUERTA DE CORRALES
DRAINAGE CHANNEL - PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
Geny-Engines			Ingrid-Macle		
A C E - Design	<i>ACDha</i>	2/4/86	Trotter		
ACCE-Field			Webster		
A C E - F I E L D			INSPECTOR		

DRAWING NO.	2649	MAP NO.	A-14	SHEET OF	29	△
					24	28

THIS SHEET REPRESENTS PRIVATE DRAINAGE
IMPROVEMENTS WITHIN PUBLIC
RIGHT-OF-WAY AND/OR EASEMENT AND IS
INCLUDED WITH PROJECT 2649 FOR
REFERENCE ONLY.

F-7

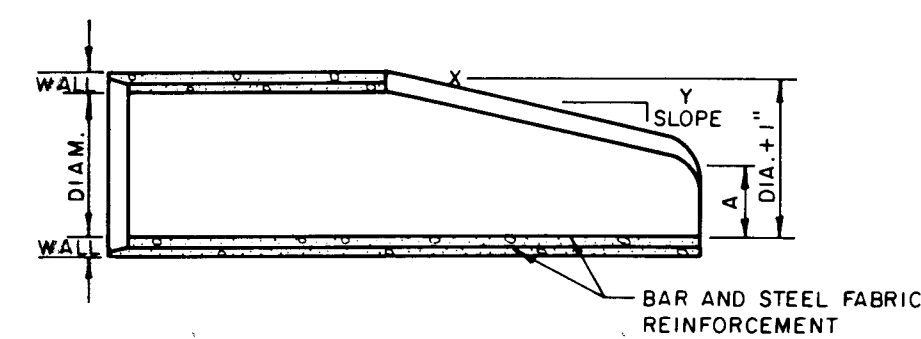
(Full size pdf in PROT. 2649)

11-7

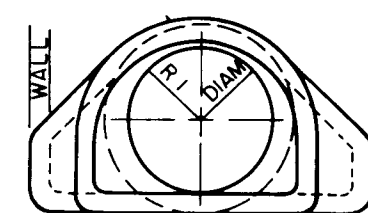
3057



DIAN	WALL	G.W.T	WEIGHT	SLOPE	A	B	C	D	E	DAM + I'
12	2	1-1/2	350	3 1/2	4'	2-5	4-0 Y/8	6-6 Y/8	2-0	13
18	2	1-1/2	350	3 1/2	4'	2-5	3-10	6-1	2-6	16
18	2-1/2	1-1/2	350	3 1/2	4'	2-5	3-10	6-1	2-6	16
21	2-3/4	1-1/2	1280	3 1/2	9'	2-11	3-10	6-1	3-6	22
24	3	2-1/2	1520	3 1/2	9-1/2'	3-17/2	2-6	6-1 1/2	4-0	25
27	3-1/4	2-1/2	1830	3 1/2	10-1/2	4-0	2-1 1/2	6-1 1/2	4-6	28
30	3-1/2	3	2190	3 1/2	11'-0"	4-6	1-7 3/4	6-1 3/4	5-0	31
32	3-1/4	3-3/8	3150	3 1/2	11'-0"	4-10-1/2	3-5 1/4	6-1 3/4	5-6	34
36	4-1/2	3-1/2	3150	3 1/2	11'-0"	4-10-1/2	3-5 1/4	6-1 3/4	5-6	37
42	4-1/2	3-3/4	3580	3 1/2	11'-3"	5-0	2-11	8-0	6-6	43
48	5	4 1/4	6550	3 1/2	2'-0"	5-0	2-2	8-2	7-0	49
54	5-1/2	4-3/4	8040	24 1/2	2'-5"	5-5	2-11	8-4	7-6	55
60	6	5	8750	2 1/2	2'-6"	5-0	3-3	8-3	8-0	61
66	6-1/2	5-1/2	10830	2 1/2	2'-8"	6-6	1-9	8-3	8-6	67
72	7	6	12600	2 1/2	2'-10"	6-6	1-9	8-3	9-0	73
78	7-1/2	6-1/2	14430	2 1/2	3'-0"	6-6	1-9	8-3	9-6	79
84	8	7	16350	2 1/2	3'-5"	6-6	1-9	8-3	10-0	85

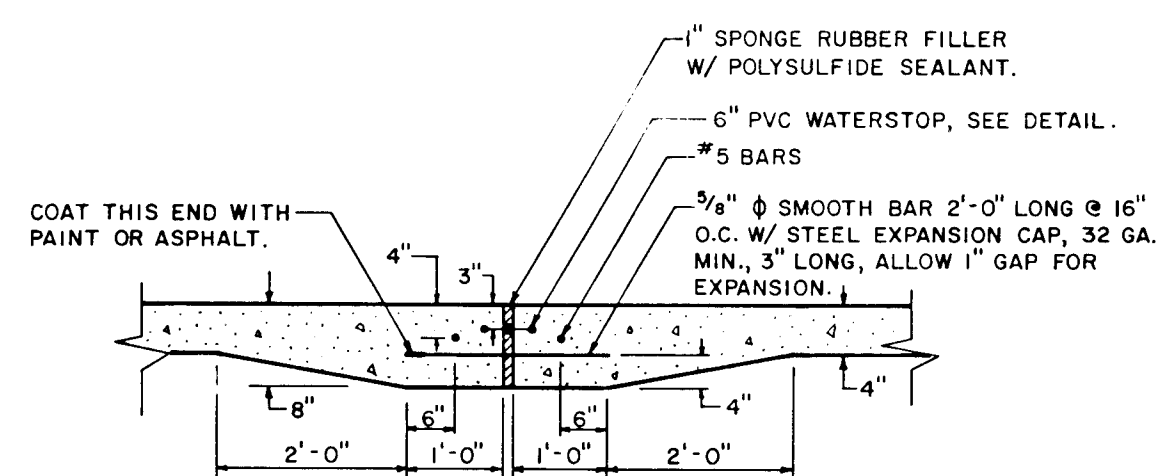


ELEVATION

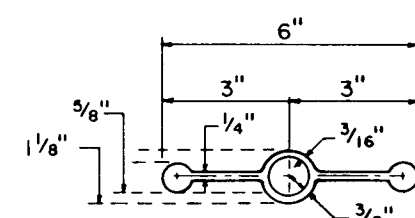


4 SECTION

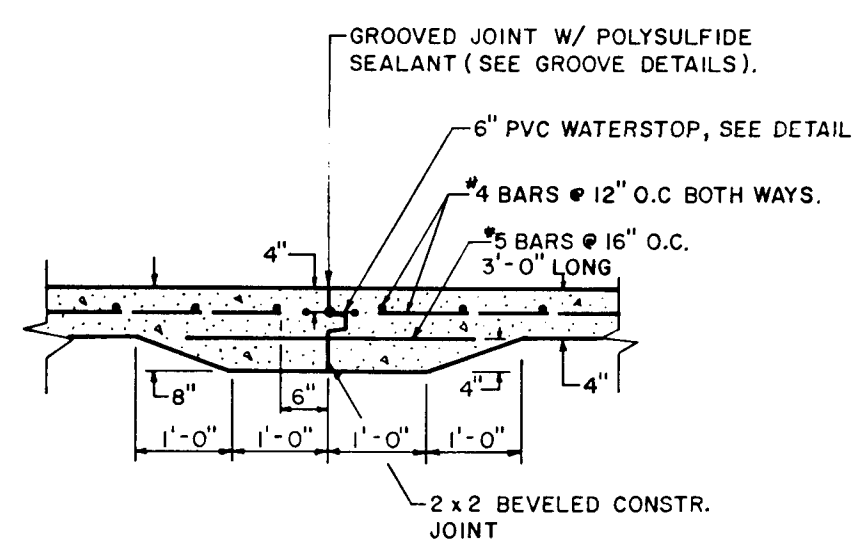
FLARED END SECTIONS FOR REINFORCED CONCRETE CULVERT PIPE



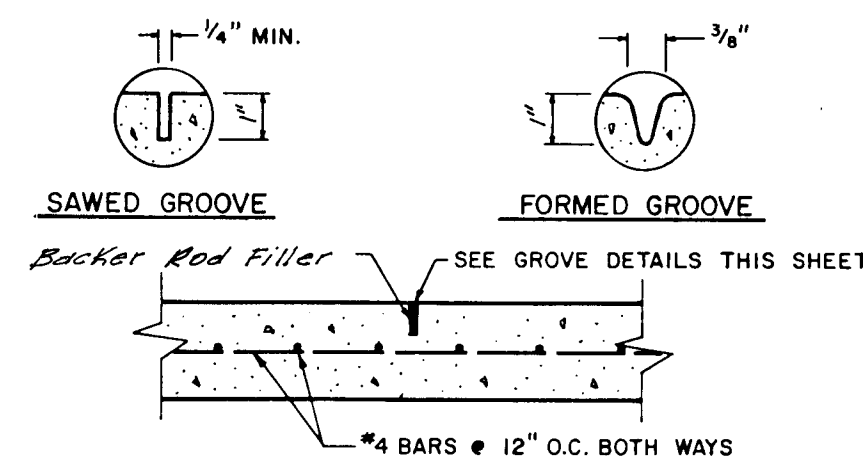
EXPANSION JOINT DETAIL
NO SCALE



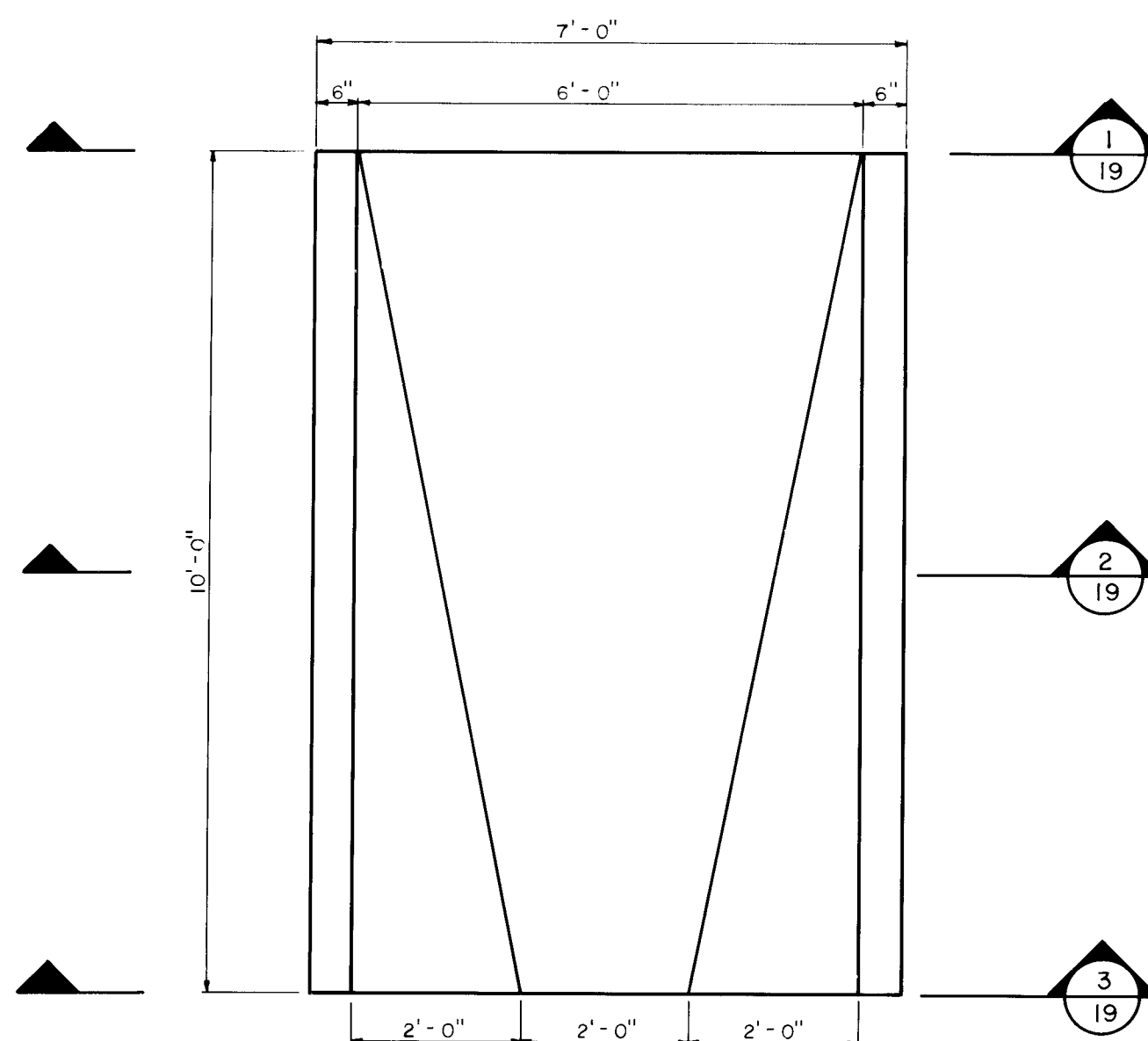
PVC WATERSTOP
NO SCALE



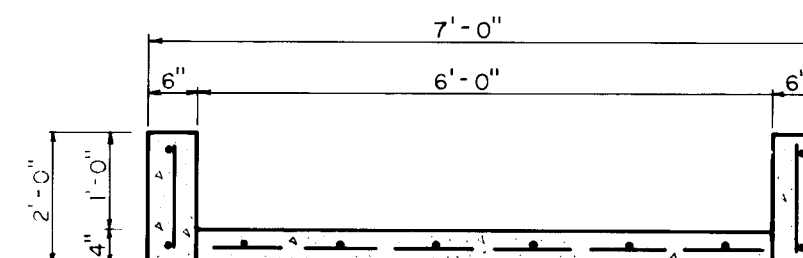
CONSTRUCTION JOINT DETAIL
NO SCALE



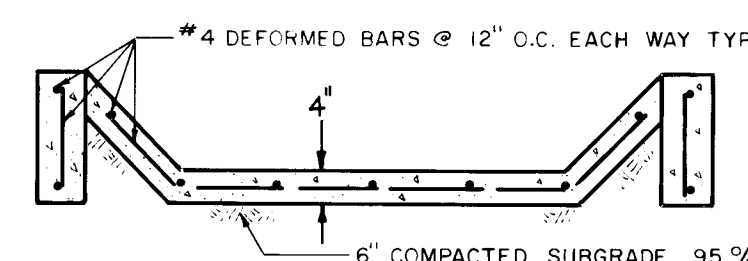
CONTRACTION JOINT DETAIL
NO. SCALE



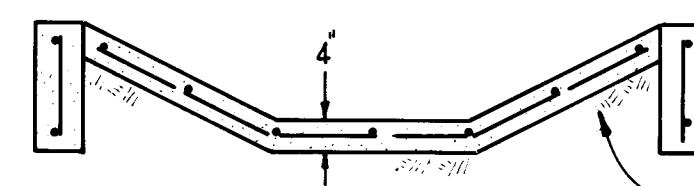
PLAN



SECTION



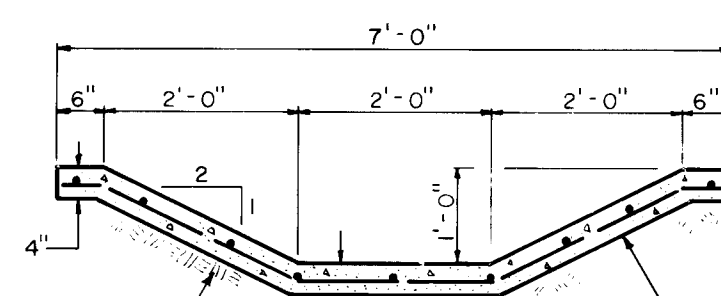
2 SECTION



3 SECTION

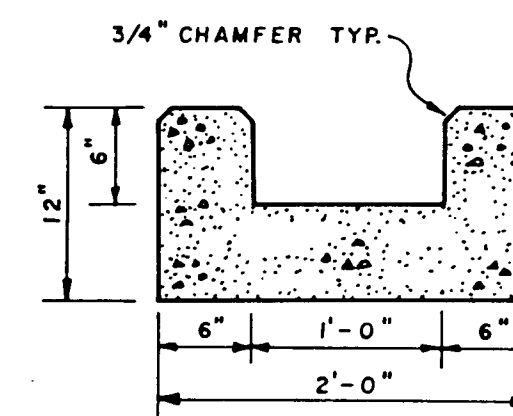
TYPICAL TRANSITION DETAIL

SCALE: $\frac{1}{2}'' = 1' - 0''$



TYPICAL CHANNEL SECTION

SCALE: $\frac{1}{2}'' = 1' - 0''$



CONCRETE RUNDOWN DETAIL

SCALE : 1" = 1' - 0"



RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



1	2	3	4	5	6	7	8	9	10	11	12
2	6			2	6	4	9	2	5	8	7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: PUERTA DE CORRALES
DRAINAGE CHANNEL - DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
Inspector			Inspector/Magistrate		
A C E - Design	<i>[Signature]</i>	2/4/82	Positive		
Inspector/Magistrate			Witness		
A C E - FIELD			Inspector		

DRAWING NO. 2649		MAP NO. A-14	SHEET 25	OF 29 28
------------------	--	--------------	----------	---------------------

F-7

THIS SHEET REPRESENTS PRIVATE DRAINAGE
IMPROVEMENTS WITHIN PUBLIC
RIGHT-OF-WAY AND/OR EASEMENT AND IS
INCLUDED WITH PROJECT 2649 FOR
REFERENCE ONLY.

FULL SIZE PIP IN PROJECT 2649

F-7

4507

5 of 7

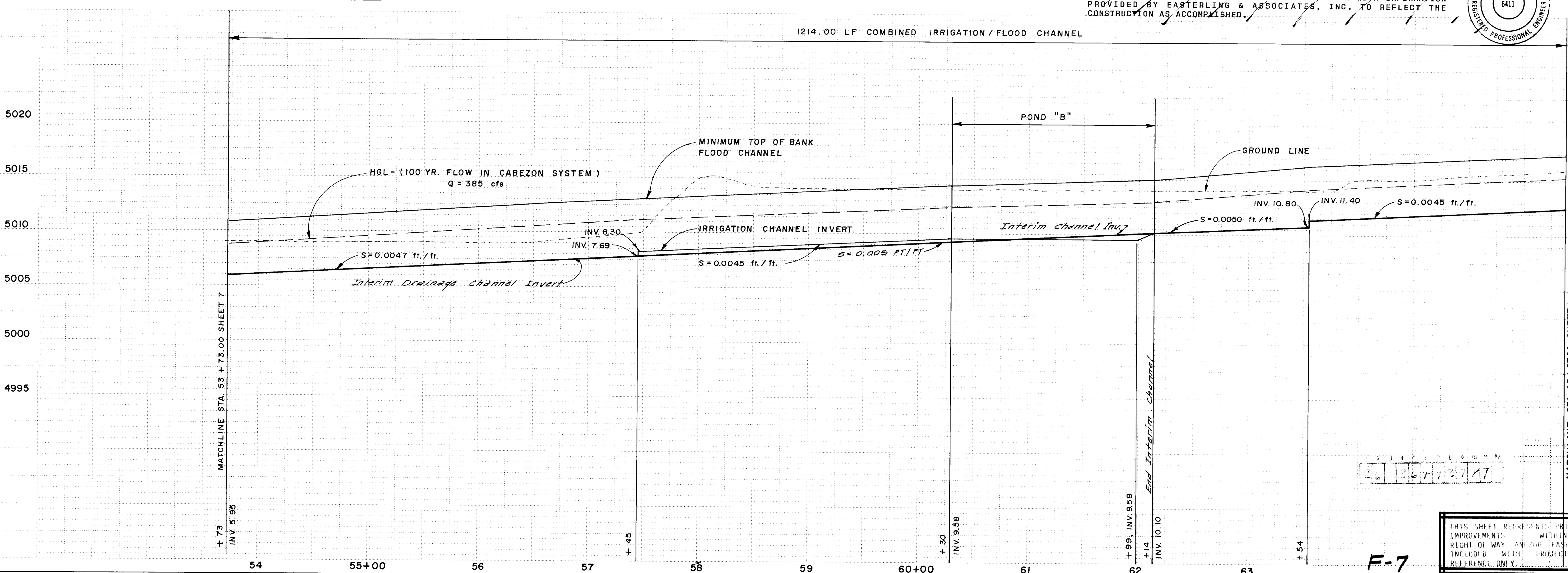
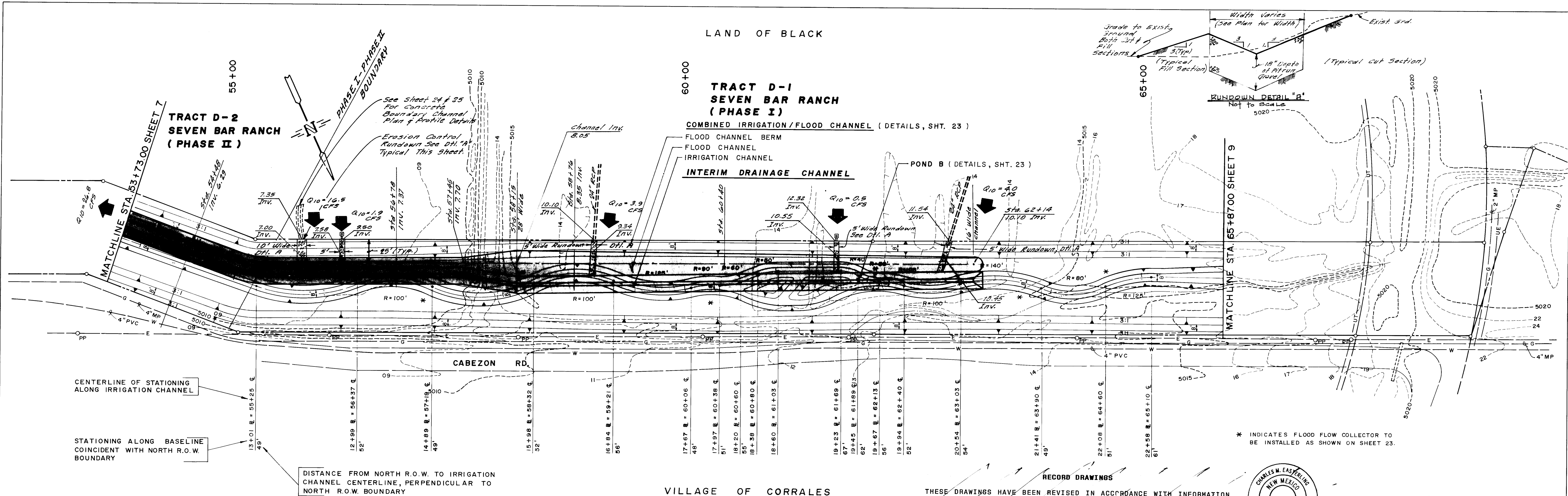


EASTERLING & ASSOCIATES CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO	APPROVALS	NAME	DATE	PUERTA DE CORRALES INTERIM DRAINAGE CHANNEL 3613 CALLE CUERVO NW 5TH FLOOR SUITE 621A
	A.C.E./ DESIGN	<i>Neelha</i>	<i>2/4/86</i>	
JOB NO:	INSPECTOR			
	A.C.E./ FIELD			
			SHEET	26 OF 29
			PERMIT NO.	
			ZONE	MAP # A-14

PLAN	DATE	BY	DATE
SURVEYED			
ALIGNED			
NOTED			
RT. OF WAY			

PROFILE	DATE	BY	DATE
SURVEYED			
GRADES CHECKED			
NOTED			
STRUCTURE NOTATIONS			

Full Size P&P in Project 2649
F-7



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

The maintenance of all temporary works shown herein is the responsibility of the owners of Tracts D-1 and D-2 of Seven Bar Ranch.

Construction of these temporary improvements shall not be required if the construction of the Cabezón Channel is ~~imminent~~ UNDER CONTRACT, CME

1-30-86

NOTE: ALL PROFILE STATIONING REFERS TO IRRIGATION CHANNEL CENTERLINE.

THIS SHEET REPRESENTS PRIVATE DRAINAGE IMPROVEMENTS. WITHIN PUBLIC RIGHT OF WAY AND/OR EASEMENT AND IS INCLUDED WITH PROJECT 2649 FOR REFERENCE ONLY.

REVISION: Added STA. 59 to 62 2/26/86 SHEET 27/29

DRWG NO. 2649

EASTERLING & ASSOCIATES	APPROVALS	NAME	DATE
CONSULTING ENGINEERS	A.C.E./DESIGN	ALCO	2/1/86
ALBUQUERQUE, NEW MEXICO	INSPECTOR		
JOB NO: 500804	A.C.E./FIELD		
SHEET 27/29	PERMIT NO.		

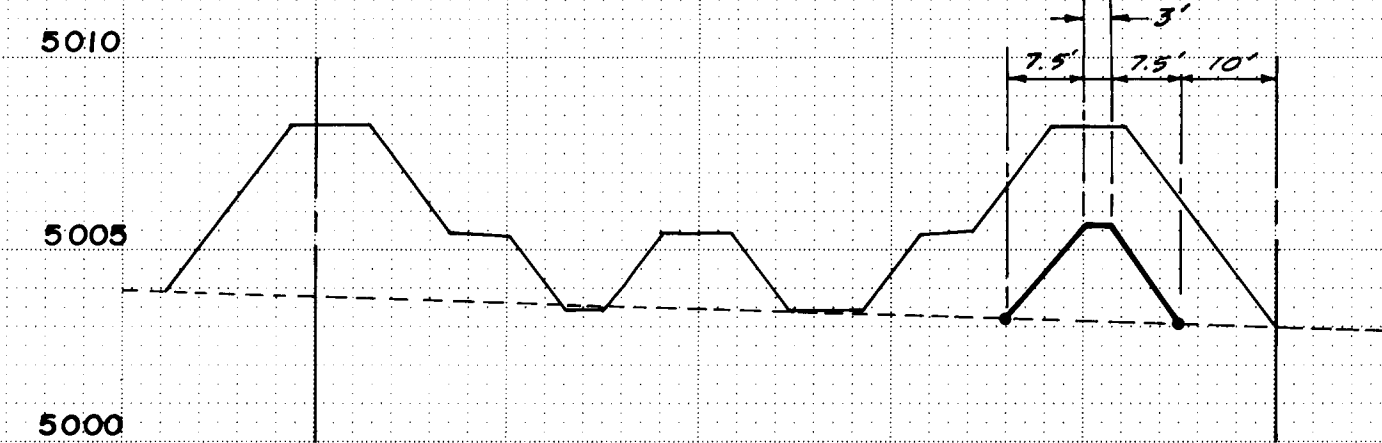
PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

FINAL	DATE
SURVEY	
NO. BOOK	
NO.	

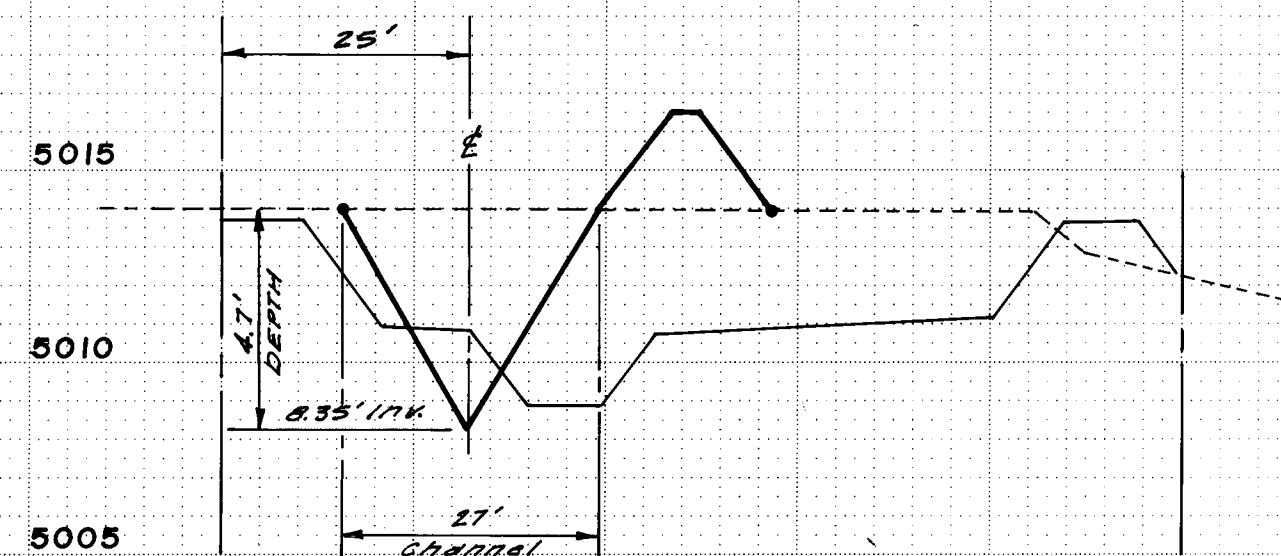
ORIGINAL	DATE
SURVEY	
NO. BOOK	
NO.	

Full Size P&P in Project 2649

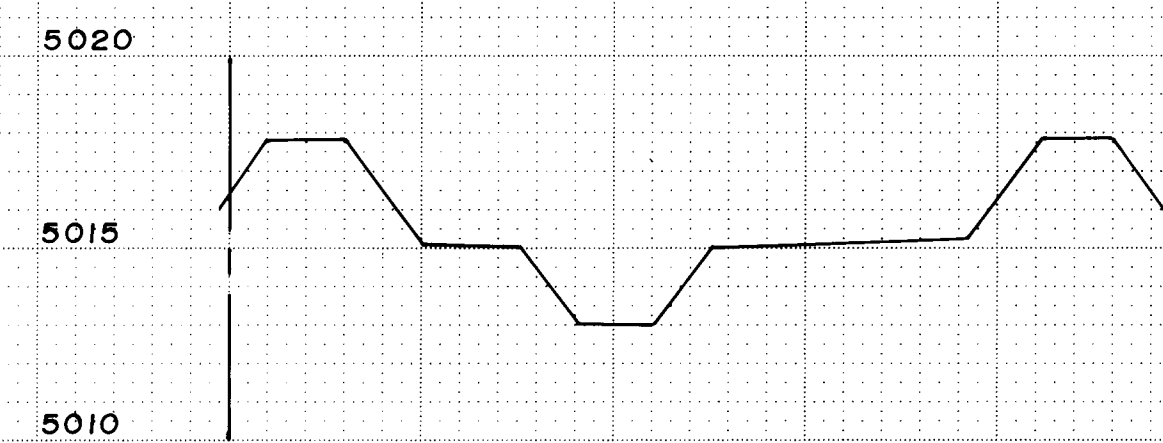
F-7



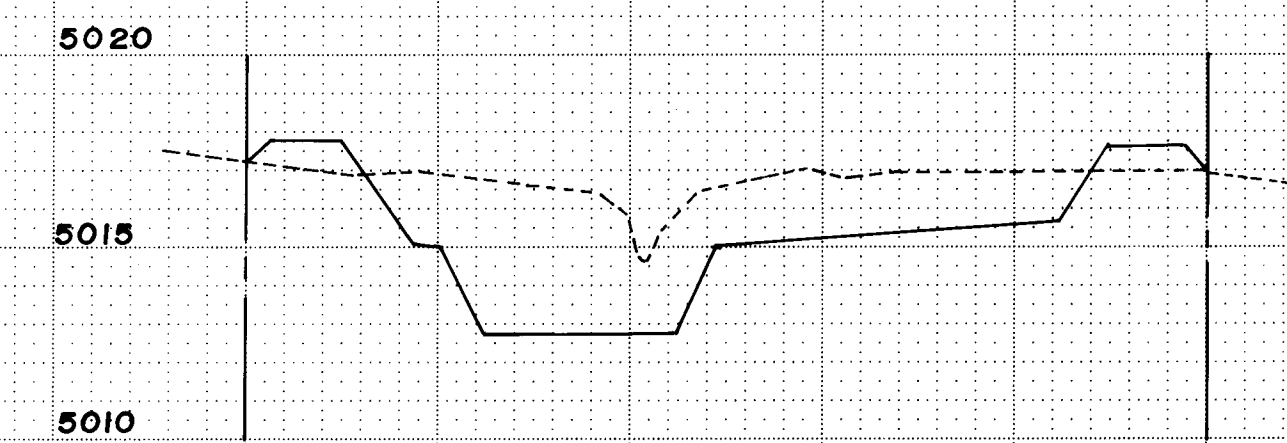
STA. 49+43



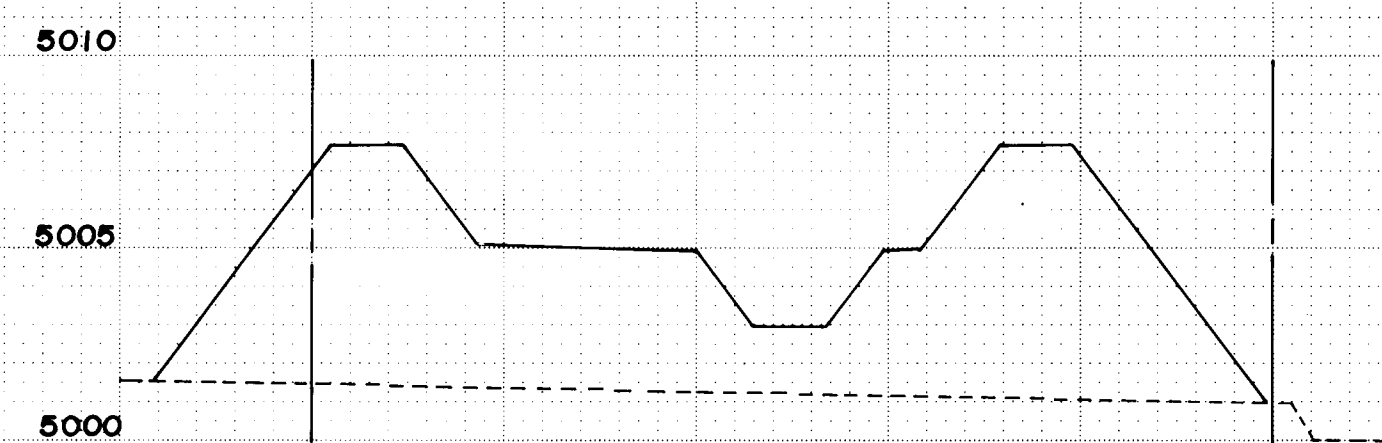
STA. 58+76



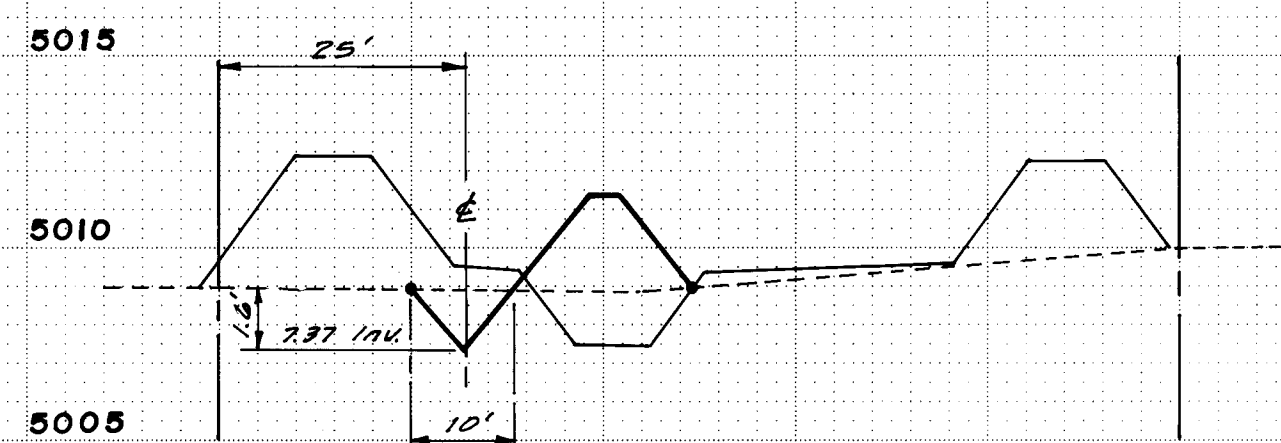
STA. 65+80



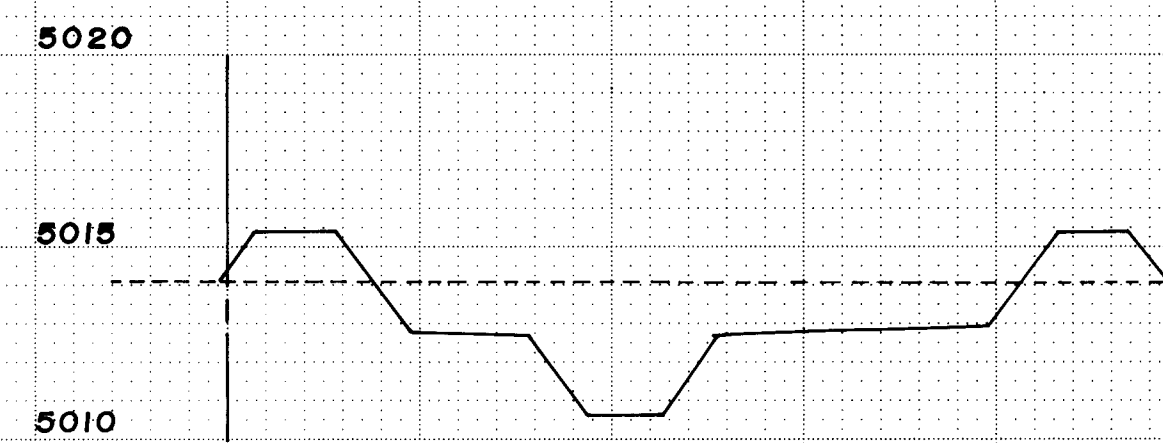
STA. 66+82



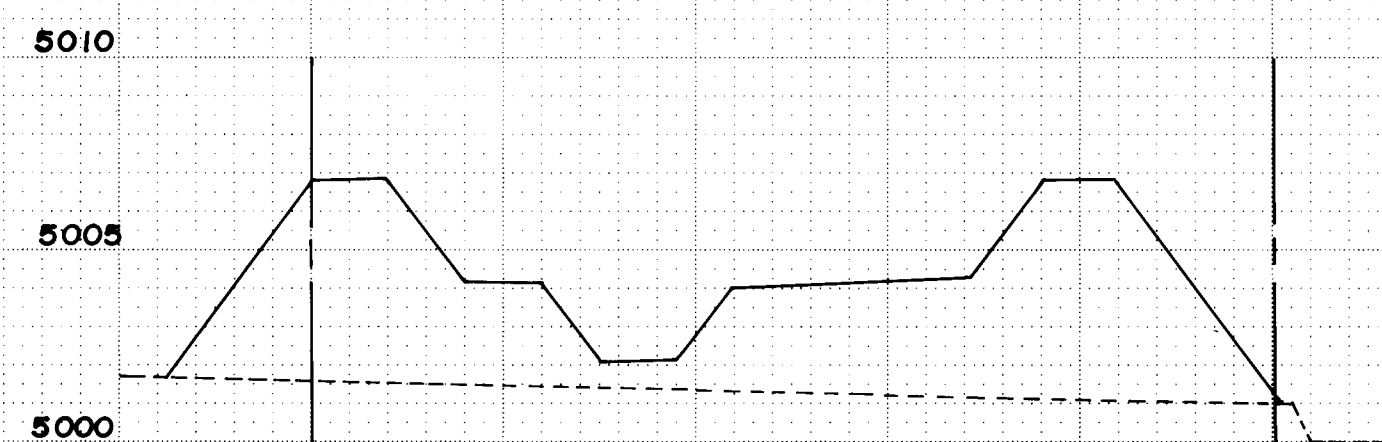
STA. 47+82



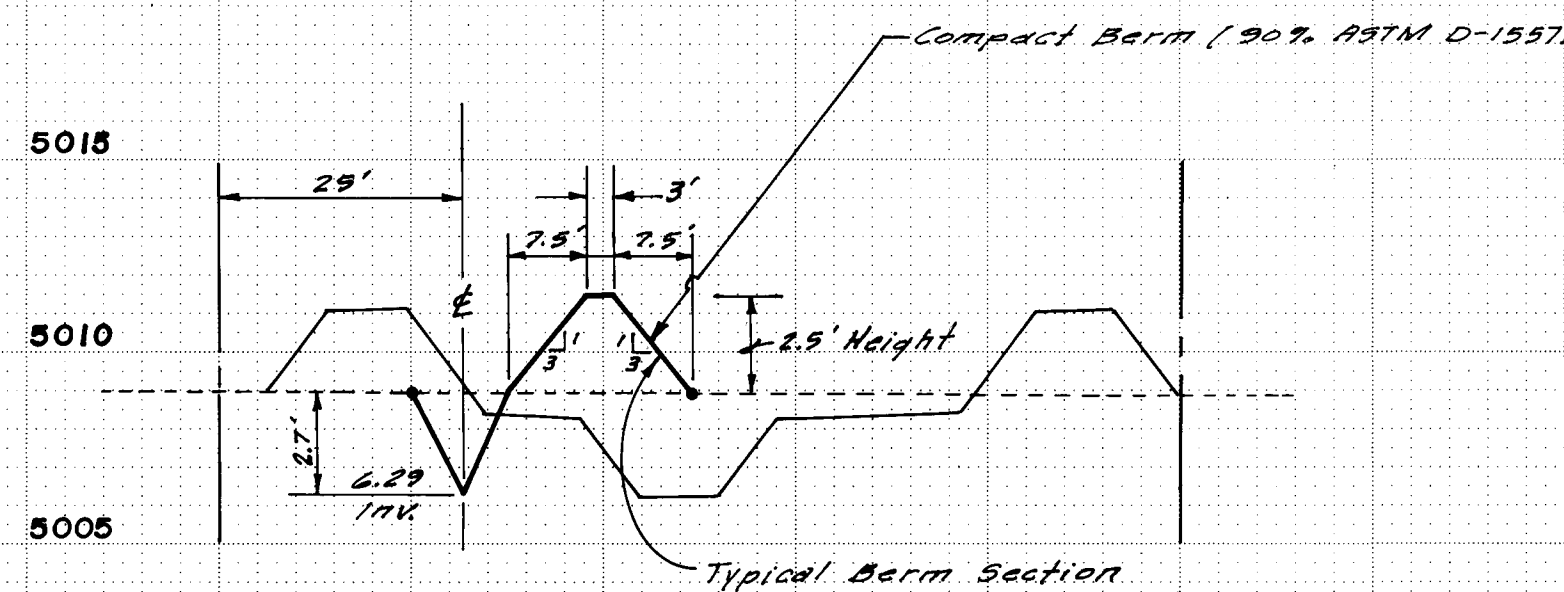
STA. 56+78



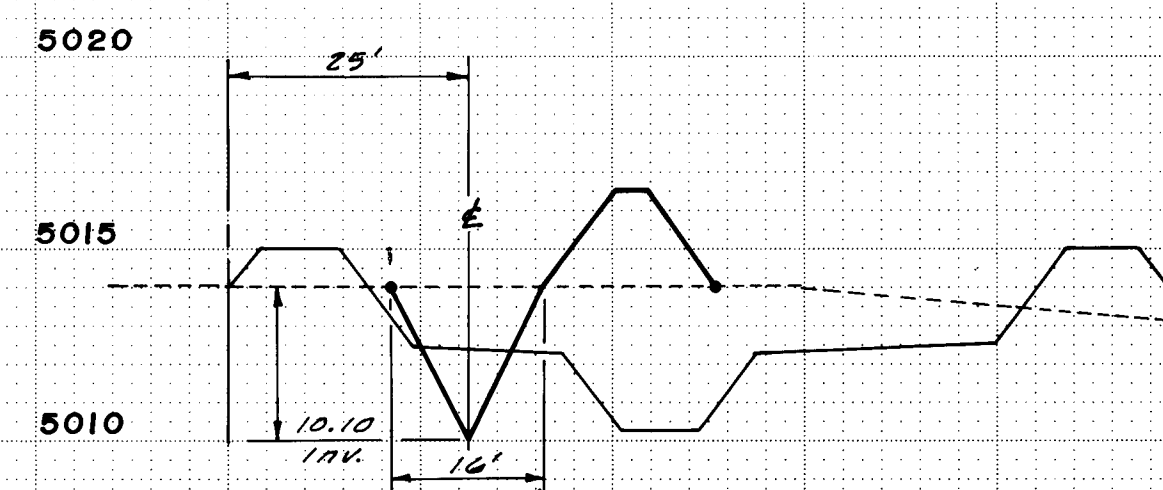
STA. 63+45



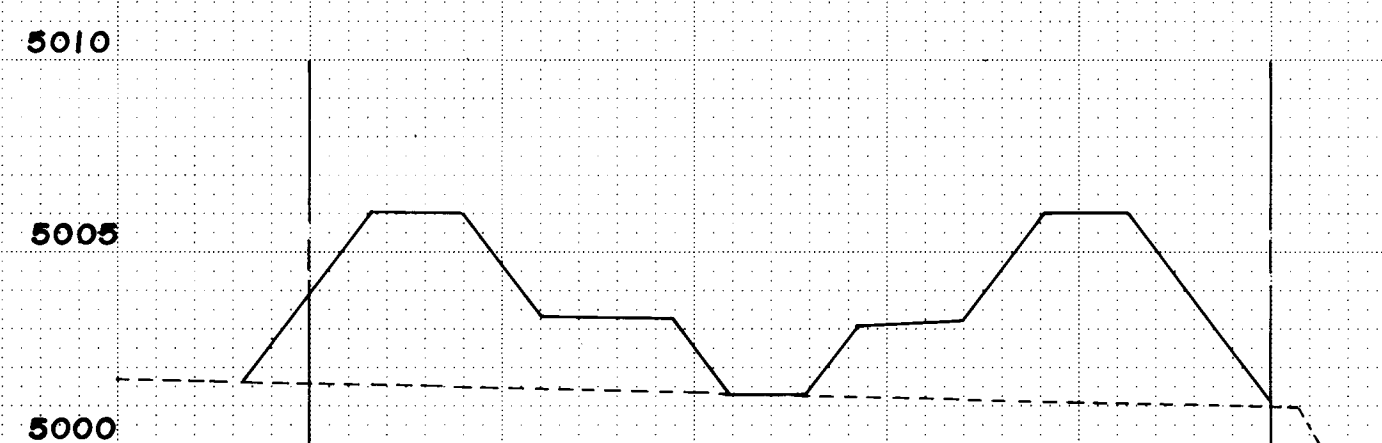
STA. 45+53



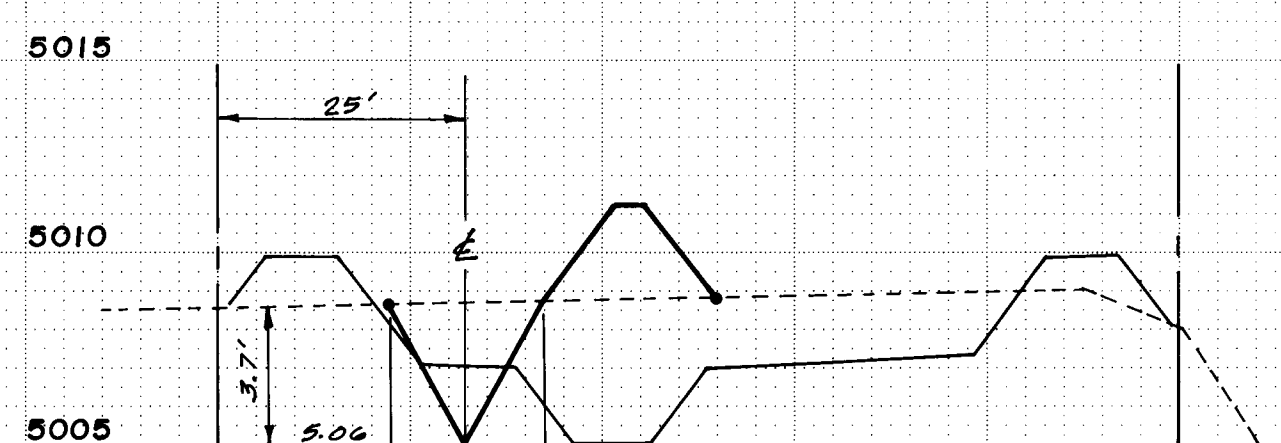
STA. 54+48



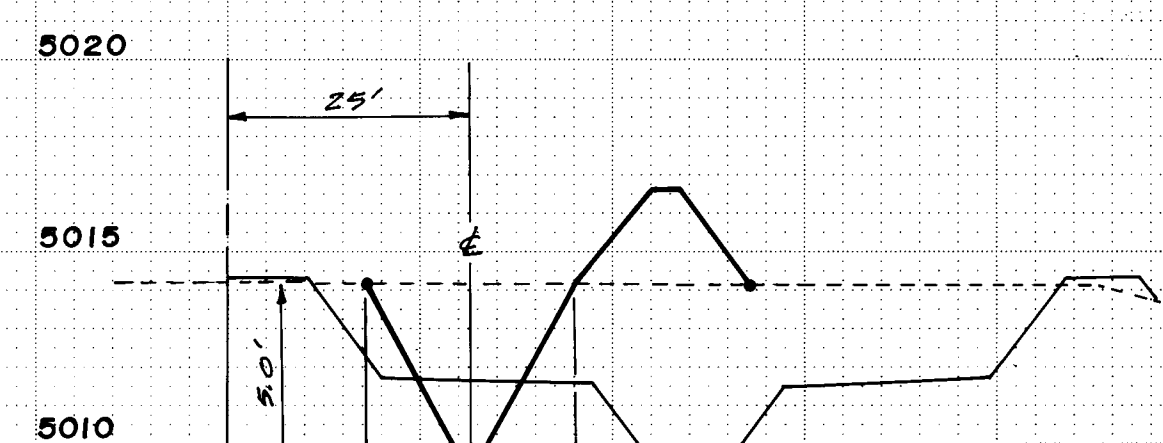
STA. 62+13



STA. 43+27



STA. 51+84

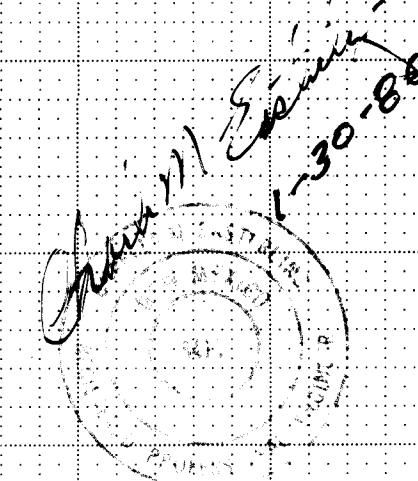


STA. 60+40

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



The maintenance of all temporary works shown herein is the responsibility of the owners of Tracts D-1 and D-2 of Seven Bar Ranch.
Construction of these temporary improvements shall not be required if the construction of the Cabezon Channel is ~~immediately~~ UNDER CONTRACT. LAF



26 26 49 28 87

PUERTA DE CORRALES - PHASE I
INTERIM DRAINAGE CHANNEL SECTIONS

THIS SHEET REPRESENTS PRIVATE DRAINAGE IMPROVEMENTS WITHIN PUBLIC RIGHT-OF-WAY AND/OR EASEMENT AND IS INCLUDED WITH PROJECT 2649 FOR REFERENCE ONLY.

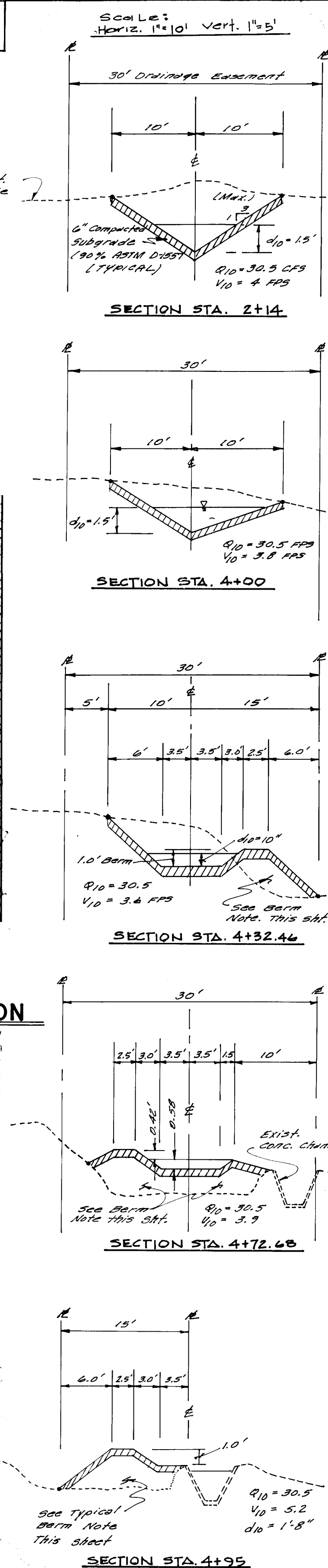
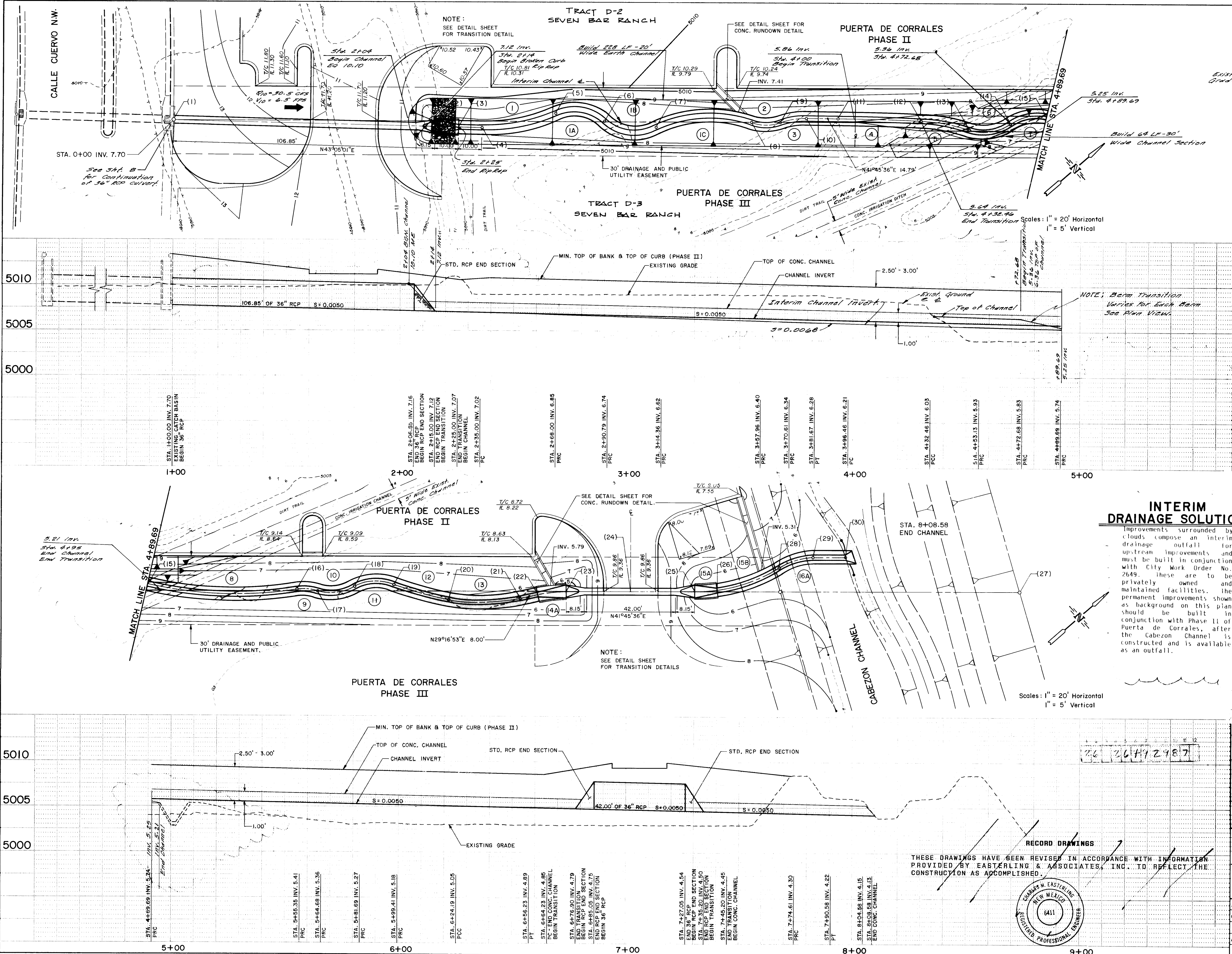
SCALE: 1"=5' Vertical, 1"=20' Horizontal
NOTE: All cross sections face upstream.
DRWG. NO. 2649 SHEET: 28/29

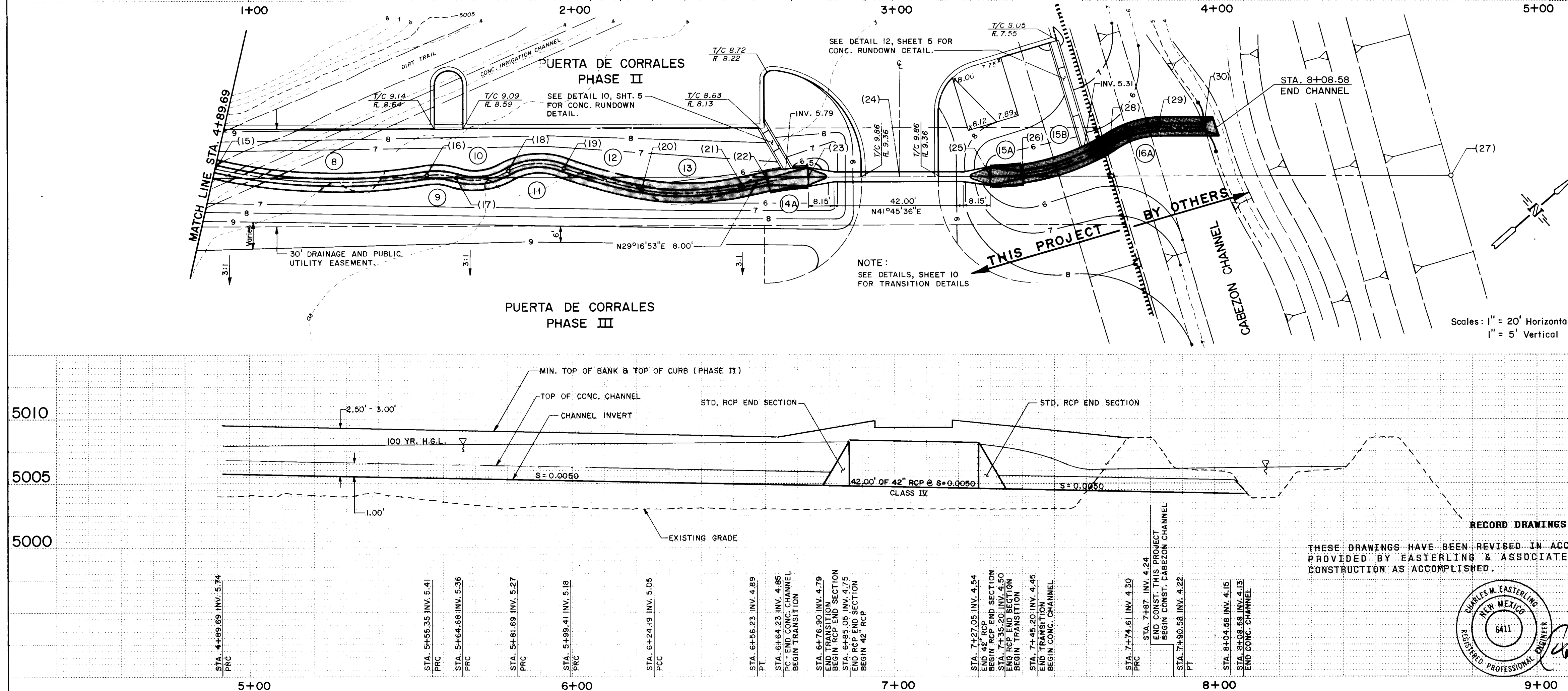
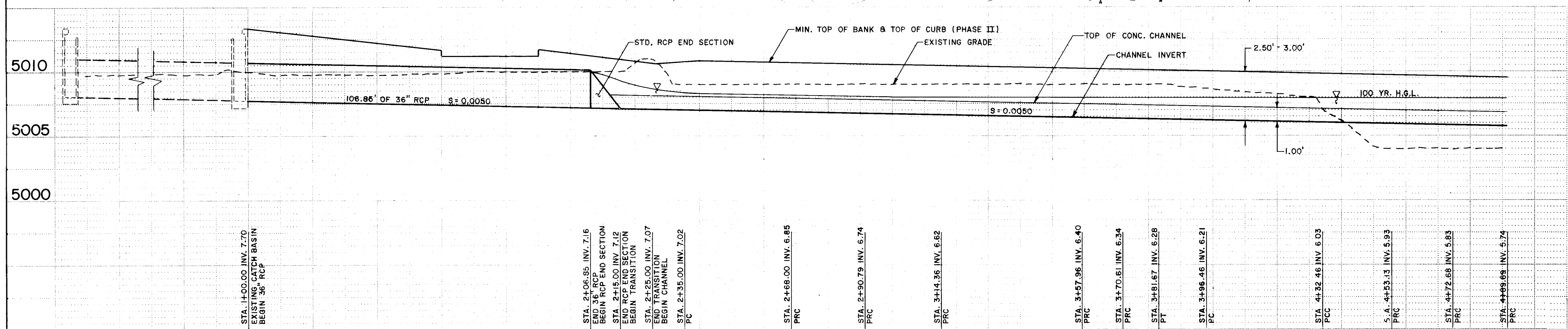
F-7

PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

APPROVALS	NAME	DATE
A.C.E./ DESIGN	ALC	2/1/86
INSPECTOR		
A.C.E./ FIELD		

PUERTA DE CORRALES
INTERIM DRAINAGE CHANNEL
3613 CALLE CUBERO NW
Sta. 53+73 TO Sta. 62+13
SHEET 28/29 PERMIT NO. 1-14

[illegible]



LINE & CURVE POINT OFFSETS				
POINT	NORTHING	EASTING	DISTANCE ALONG PROPERTY LINE	OFFSET FROM PROPERTY LINE
1	30704.46	81616.41	0	0
2	30760.45	81694.97	114.97'	2.67' R
3	30795.75	81701.80	124.37'	2.89' R
4	30803.05	81708.63	134.98'	3.12' R
5	30831.27	81725.23	167.07'	3.29' L
6	30844.99	81741.89	188.40'	0
7	30859.45	81758.77	210.42'	2.98' R
8	30893.07	81784.81	252.85'	0
9	30902.34	81793.09	265.28'	0
10	30911.62	81799.05	276.16'	1.74' L
11	30922.57	81808.83	290.85'	1.74' L
12	30948.88	81833.41	328.85'	0.93' L
13	30961.80	81850.22	347.88'	3.01' R
14	30977.03	81860.28	365.74'	0.37' R
15	30991.22	81868.69	381.93'	2.80' L
16	31036.19	81913.98	447.13'	0.91' L
17	31046.95	81920.67	456.35'	0.42' R
18	31056.06	81930.20	472.75'	1.44' L
19	31071.88	81940.35	489.82'	3.07' L
20	31089.07	81961.17	513.67'	3.54' R
21	31109.20	81982.06	545.48'	3.15' R
22	31116.84	81985.97	553.29'	1.42' R
23	31126.65	81993.28	565.85'	0
24	31140.89	82012.69	595.00'	0
25	31170.04	82032.10	624.15'	0
26	31177.84	82039.21	634.12'	0.71' L
27	31175.50	82126.52	765.89'	0
28	31205.10	82048.93	661.51'	10.81' L
29	31119.44	82055.54	676.60'	15.42' L
30	31231.56	82062.54	690.31'	18.28' L
31	31235.02	82064.54	694.23'	19.09' L

CURVE	RADIUS	DELTA	LENGTH	TANGENT	CHORD	BEARING
1	75.00'	25°12'45"	33.00'	16.77'	32.74'	N30°28'13"
1A	20.00'	85°17'54"	22.78'	12.81'	21.58'	N50°53'11"
1B	20.00'	87°30'41"	23.57'	13.37'	22.23'	N48°24'50"
1C	58.50'	44°12'52"	43.80'	22.95'	42.53'	N37°45'55"
2	20.00'	36°13'33"	12.85'	6.54'	12.44'	N44°15'34"
3	35.00'	18°08'45"	11.08'	5.58'	11.02'	N32°42'11"
4	800.00'	2°34'43"	38.00'	18.01'	38.00'	N43°02'58"
5	75.00'	18°15'08"	21.27'	10.71'	21.20'	N52°27'52"
6	20.00'	54°17'27"	18.85'	10.25'	18.25'	N33°26'42"
7	20.00'	48°43'28"	17.01'	9.08'	16.50'	N30°39'41"
8	170.00'	22°07'44"	65.68'	33.24'	85.25'	N43°57'32"
9	20.00'	28°44'28"	9.33'	4.75'	9.25'	N43°44'07"
10	20.00'	48°43'28"	17.01'	9.08'	16.50'	N30°39'41"
11	20.00'	50°48'35"	17.72'	9.48'	17.15'	N36°18'01"
12	180.00'	8°52'19"	24.78'	12.41'	24.75'	N57°15'08"
13	78.00'	23°32'08"	32.04'	16.25'	31.81'	N41°02'58"
14A	58.13'	12°28'43"	12.87'	6.38'	12.84'	N35°18'04"
15A	70.00'	25°12'08"	20.00'	5.01'	9.98'	N37°40'03"
16A	70.00'	25°12'08"	20.00'	14.93'	28.20'	N21°52'15"
18A	30.00'	30°38'08"	15.97'	8.18'	15.78'	N24°45'01"

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



W. Estlin
6-22-87

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: PUERTA DE CORRALES
PHASE II - III DRAINAGE CHANNEL - PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>PRIVATE REFERENCE ONLY</i>		Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO.	2649	MAP NO.	A-14	SHEET	30	OF	31
-------------	------	---------	------	-------	----	----	----

