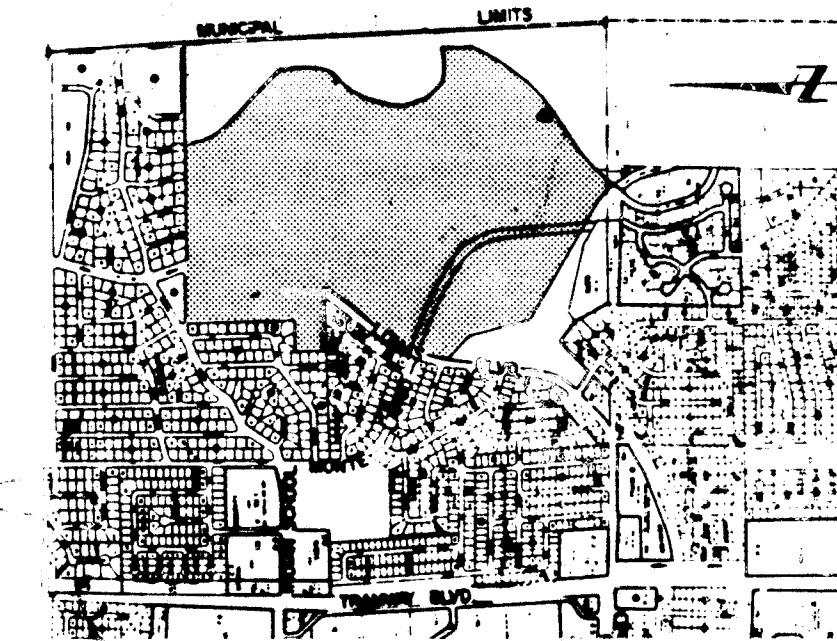


EMBUDO HILLS - PHASE I

PUBLIC INFRASTRUCTURE IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO



GENERAL NOTES

NOTICE TO CONTRACTORS

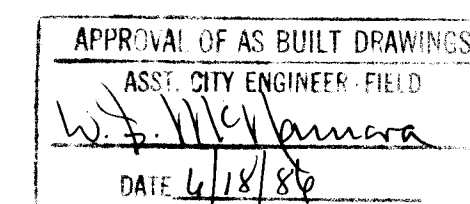
- NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION."
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH "PUBLIC WORKS CONTRACT 84-2" AND THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

SHEET NO. DESCRIPTION

1	TITLE SHEET
2-5	PLAT & COMPUTATIONS
LAYOUT SHEETS	
6-7	GRADING & PAVING KEY MAPS w/ STORM DRAIN LAYOUT
8-9	WATER LAYOUT
10-11	SEWER LAYOUT
PLAN & PROFILE SHEETS	
12-13	MONTE LARGO DRIVE
14	LOMAS BLVD. SEWER CONNECTION
15	PINNACLE VIEW DRIVE
16-17	VILLA SANDIA ROAD
18	CAMINO DE LA SIERRA / LOMAS BLVD.
19	LOMAS BLVD.
20	PINNACLE VIEW DRIVE
21-22	CRESTED BUTTE DRIVE
23	WATERLINE IN ANTONIO DRIVE
DETAIL SHEETS	
24	PRESSURE REDUCER VALVE DETAILS
25	MONTE LARGO INTERSECTION DETAILS
26-27	STORM SEWER DETAILS
28	STORM DRAIN DETAILS-INTERSECTIONS
29-30	STORM DRAIN OUTLET DETAILS
31	TYPICAL SECTIONS
UPLAND DIVERSION CHANNEL SHEETS	
32	PLAN & PROFILE SHEET- Sta. 3+95.33 to 14+00
33	PLAN & PROFILE SHEET- Sta. 14+00 to 27+50
34	CONFLUENCE DETAILS - UPPER LOMAS CHANNEL & EMBUDO HILLS CHANNEL
35	RIP RAP TRANSITION DETAIL- Sta. 14+00 to 15+00
36	DIVERSION BERM DETAILS
37-40	CHANNEL CROSS SECTIONS
41-55	UNPAVED ROADWAY CROSS SECTIONS



Added Sheet 56
NEW INTERSECTION
Added sewer and water services
Revised Channel Details
Tract "A" Revisions
Revised Waterline Antonio Drive
Upsized PRV
Revised Lomas grade
Added Drivepads
Lomas Paving

William F. McManera
1/23/86

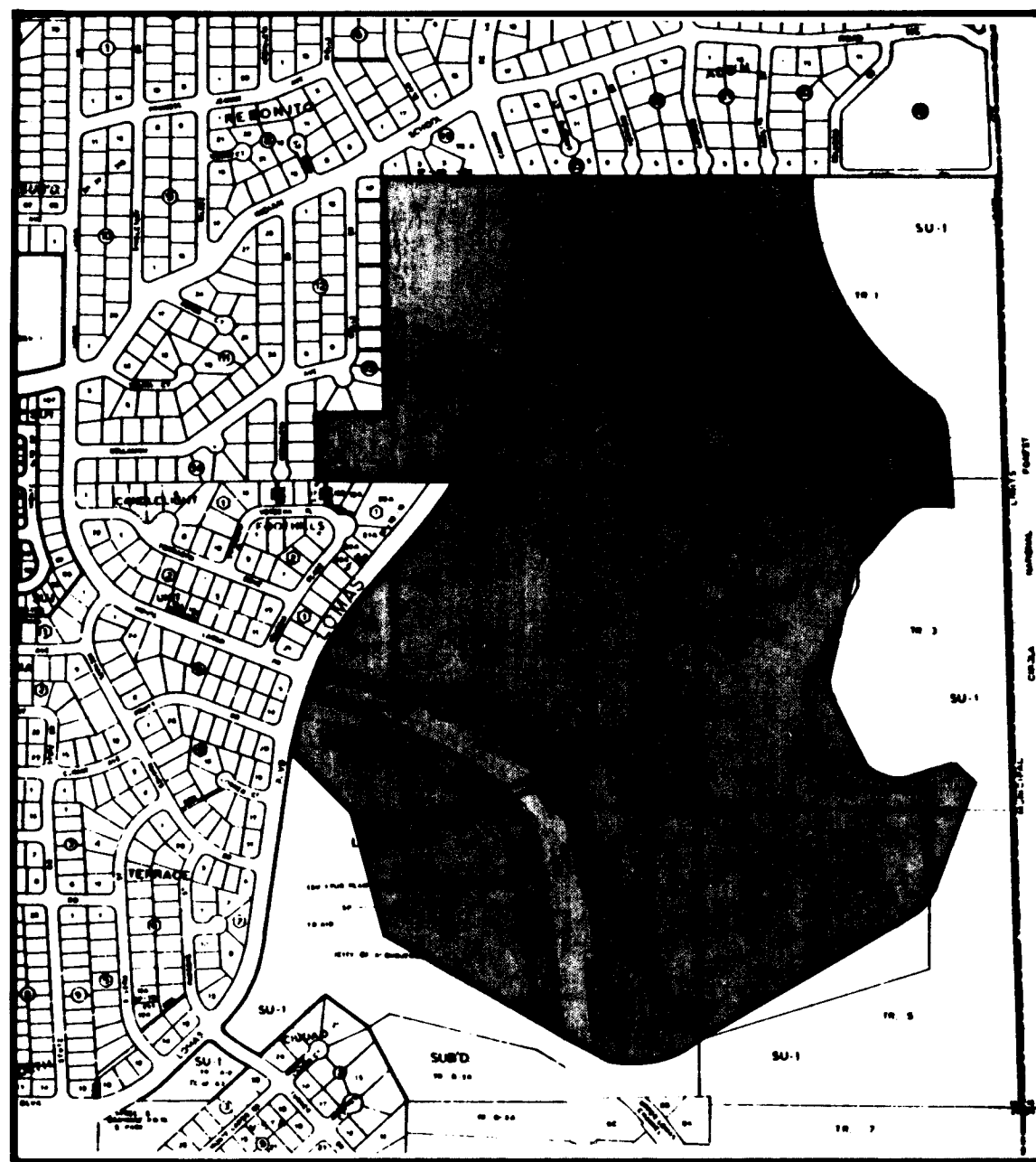
1 2 3 4 5 6 7 8 9 10 11 12
26 20070186

9	56				T.E. D.A. Parks	10/2/85	W.R.D. R. Pava	9/18/85
8	13				T.E. David W. Hummer	5/21/85		
7	11, 13, 17, 10						W.R.D. R. Pava	5/21/85
6	32-40				ACE-D M. Olson	1/20/85	W.R.D.	
5	17, 18, 19				T.E. David W. Hummer	1/23/85	W.R.D. Richard Pava	1/23/85
4	23				T.E.		W.R.D. Richard Pava	1/23/85
3	20, 24				W.R.D. Richard Pava	1/23/85		
2	18, 19, 20, 21, 24				T.E. David W. Hummer	1/23/85		
1	6, 7, 18, 19, 20				T.E. David W. Hummer	9/27/84	W.R.D. Richard Pava	9/27/84
REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.

APPROVAL OF REVISIONS

		APPROVED FOR CONSTRUCTION C. A. McManera C.E.
PROJECT NUMBER 2007		SHEET 1 OF 56

C23-161-1



LOCATION MAP
ZONE ATLAS MAP NO. J-23-Z

SUBDIVISION DATA

1. Zone Atlas Index No: J-23-Z
2. Gross subdivision acreage: 179.816
3. Total number of tracts created: 8
4. Total mileage of full width streets created: 1.817
5. This Plat compiled from Plats of Record, field work and corners set are from previous surveys done by Bohannon-Huston, Inc.

NOTES

1. Bearing are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Elevations are field elevations. (City of Albuquerque datum)
4. No. 5 rebar with plastic survey cap stamped "PE & LS 2455" were set on corners designated by a small solid circle.
5. Record bearings and distances are shown in parenthesis.

SURVEYOR'S CERTIFICATION

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

A. Dwein Weaver March 21, 1984
A. Dwein Weaver
P.L.S. No. 6544
New Mexico

Bohannon-Huston, Inc.
4125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

REPLAT OF
PORTIONS OF TRACTS 1, 2, 3, 4, 5, 6, 9, 10 AND 12
SPROUL-SECURITY SUBDIVISION NO. 4
(FILED: MARCH 14, 1975)

TRACTS A1-A, A1-B & A1-C
LOMAS SUBDIVISION
(FILED: AUGUST 25, 1982)

TRACT C
LOMAS SUBDIVISION NO. 2
(FILED: SEPTEMBER 1, 1983)
AND
UNPLATTED LANDS WITHIN
SECTION 14, T.10N., R. 4E., N.M.P.M.

NOW COMPRISING
EMBUDO HILLS
ALBUQUERQUE, NEW MEXICO
FEBRUARY 1984

State of New Mexico
County of Bernalillo
This instrument was filed in the
Public Records of the County of Bernalillo
on March 14, 1984
at 8:05 A.M.
by Notary Public
of the County of Bernalillo

84 28518

APPROVALS

Eugene M. Hesse
PLANNING DIRECTOR
Frank J. Aguirre
3rd CITY ENGINEER
Frank J. Aguirre
3rd A.M.A.P.C.A.
Robert J. Lamm
TRAFFIC ENGINEER
Wesley Chute
CITY SURVEYOR
Howard L. Green
PROPERTY MANAGEMENT
W. H. Houshander
WATER RESOURCES DEPARTMENT
Monte Cobb
PARKS & RECREATION DEPARTMENT
Ray Henderson
PUBLIC SERVICE COMPANY OF NEW MEXICO
Paula Y. McElfee
GAS COMPANY OF NEW MEXICO
William J. Bell
MOUNTAIN BELL

4/18/84
DATE
3/27/84
DATE
3/27/84
DATE
3-27-84
DATE
032602
DATE
3/27/84
DATE
3/27/84
DATE
3/27/84
DATE
4/16/84
DATE
3-27-84
DATE
03/27/84
DATE

C23-161-1

DEDICATION

The subdivision of the land hereon shown is with free consent and in accordance with the desires of the undersigned owners and/or proprietors thereof, and said owners and/or proprietors do hereby dedicate the public rights-of-way shown hereon, together with all easements shown on this plat. Power and communication easements are reserved where shown by dashed lines as noted, including the right of ingress and egress and the right to trim interfering trees.

SPYROCK CORPORATION, SPROUL INVESTMENT CORPORATION,
SECURITY SUPPLY COMPANY
Elmer C. Sproul
President

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 21 day of March, 1984, by Elmer C., Sproul, President of SPYROCK CORPORATION, SPROUL INVESTMENT CORPORATION, SECURITY SUPPLY COMPANY, on behalf of said corporations.

My Commission Expires: March 16, 1986 Frank E. Hesse
Notary Public

AMERICAN SERVICE CORPORATION

Steve Tomita
Senior Vice President

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 23 day of March, 1984, by Steve Tomita, Senior Vice President of AMERICAN SERVICE CORPORATION, on behalf of said corporation.

My Commission Expires: Sept. 14, 1985 Frank E. Hesse
Notary Public

City of Albuquerque, New Mexico

Frank A. Kleinbens
Chief Administrative Officer
City of Albuquerque, N.M., A Municipal Corporation

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 24 day of March, 1984, by Frank A. Kleinbens, Chief Administrative Officer for the City of Albuquerque, New Mexico, a Municipal Corporation, on behalf of said Municipal Corporation.

My Commission Expires: 12/18/84 John L. Thant
Notary Public

EMBUDO HILLS FORTY

J. Michael Miller
J. MICHAEL MILLER, PARTNER

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 24 day of March, 1984, by J. Michael Miller, Partner, Embudo Hills Forty, a New Mexico general partnership

My Commission Expires: Feb. 24, 1987 Robert Griffin
Notary Public

Ralph D. Boone
Ralph D. Boone
Charles Griffin
Charles Griffin

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 22 day of March, 1984, by Ralph D. Boone and Charles Griffin.

My Commission Expires: March 16, 1986 Frank E. Hesse
Notary Public

JOB NO. 31831

SP-84-161

C23-161-1-385

C23-161-1

C23-161-2

C23-161-2

REPLAT OF
PORTIONS OF TRACTS 1,2,3,4,5,6,9,10 AND 12
SPROUL-SECURITY SUBDIVISION NO.4
(FILED MARCH 14, 1975)
TRACTS A1-A, A1-B, A1-C
LOMAS SUBDIVISION
(FILED AUGUST 25, 1982)
TRACT C
LOMAS SUBDIVISION NO.2
(FILED SEPTEMBER 1, 1983)
AND
UNPLATTED LANDS WITHIN
SECTION 14, T.10N., R.4E., N.M.P.M.
NOW COMPRISING
EMBUDO HILLS
ALBUQUERQUE, NEW MEXICO
MARCH 1984

84 25518

DESCRIPTION

A certain tract of land situate in Section 14, T.10N., R.4E., N.M.P.M., in the City of Albuquerque, Bernalillo County, New Mexico being a portion of Tracts 1,2,3,4,5,6, 9,10, and 12 SPROUL-SECURITY SUBDIVISION NO. 4, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on March 14, 1975, also being all of Tracts "A1-A", "A1-B", and "A1-C" LOMAS SUBDIVISION, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on August 25, 1982, also being all of Tract "C" LOMAS SUBDIVISION NO. 2, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on September 1, 1983 and also being a portion of unplatted lands, said tract being more particularly described by New Mexico State Plane Grid Bearings (Central Zone) and ground distances as follows:

BEGINNING at a point on the northerly boundary of the tract herein described, said corner being the northwest corner of said Tract 2 and also being a point on the southerly boundary of REBONITO, an Addition to the City of Albuquerque, as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on June 24, 1954 whence ACS Control Station "31N", a brass cap having New Mexico State Plane Grid Coordinates, Central Zone: X = 429,907.35, Y = 1,489,994.00, bears S 14°42'31" W, 689.48 feet and from said point of beginning running thence along the northerly boundary of said SPROUL-SECURITY SUBDIVISION NO.4 and also along the southerly boundary of said REBONITO subdivision, S 89°31'45" E, 490.77 feet to the northeast of the tract herein described, said corner being the northwest corner of Tract "A" of said LOMAS SUBDIVISION NO. 2; thence leaving the southerly boundary of said REBONITO subdivision and continuing along the westerly boundary of said LOMAS

SUBDIVISION NO. 2, S 00°28'15" W, 34.87 feet to a point of curvature; thence, 1084.07 feet along the arc of a curve to the left having a radius of 1074.41 feet and a chord bearing S 28°26'04" E, 1038.66 feet to a point of compound curvature; thence, 146.44 feet along the arc of a curve to the right having a radius of 160.00 feet and a chord bearing S 31°07'12" E, 141.38 feet to a point; thence, S 04°54'00" E, 354.30 feet to a point; thence, N 86°47'00" W, 110.00 feet to a point of curvature; thence, 149.20 feet along the arc of a curve to the left having a radius of 166.91 feet and a chord bearing S 67°36'30" W, 144.28 feet to a point; thence, S 42°00'00" W, 225.00 feet to a point of curvature; thence, 127.29 feet along the arc of a curve to the left having a radius of 254.85 feet and a chord bearing S 27°41'30" W, 125.97 feet to a point; thence, S 13°23'00" W, 415.00 feet to a point of curvature; thence, 57.73 feet along the arc of a curve to the left having a radius of 85.91 feet and a chord bearing S 05°52'00" E, 56.65 feet to a point; thence, S 25°07'00" E, 290.00 feet to a point of curvature; thence, 251.81 feet along the arc of a curve to the left having a radius of 184.30 feet and a chord bearing S 64°15'30" E, 232.68 feet to a point; thence, N 76°36'00" E, 220.00 feet to a point; thence, S 44°13'50" E, 100.00 feet to a point; thence, S 20°41'08" W, 525.00 feet to a point on curve; thence, 190.96 feet along the arc of a curve to the right having a radius of 705.89 feet and a chord bearing S 52°45'34" W, 190.37 feet to a point; thence, S 60°30'33" W, 1038.91 feet to a point of curvature; thence, 347.96 feet along the arc of a curve to the right having a radius of 484.00 feet and a chord bearing S 81°06'11" W, 340.52 feet to the most southerly corner of the tract herein described, said corner being the most westerly corner of Tract "B" of said LOMAS SUBDIVISION NO. 2 and also being a point on the northerly right-of-way of the UPPER LOMAS CHANNEL; thence continuing along the westerly boundary of the tract herein described and also along said northerly right-of-way, N 60°10'49" W, 1087.02 feet to a point, said point being a corner on the easterly boundary of Tract "A1-D" LOMAS SUBDIVISION as the same is shown and designated on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on August 25, 1982; thence continuing along the westerly boundary of the tract herein described and also along the easterly boundary of said REBONITO subdivision, N 15°10'00" W, 547.49 feet to a point; thence, N 45°13'00" W, 365.97 feet to a point on curve, said corner being a point on the easterly right-of-way of Lomas Boulevard N.E.; thence continuing along the westerly boundary of the tract herein described and along said easterly right-of-way, 763.61 feet along the arc of a curve to the right having a radius of 1396.39 feet and a chord bearing N 26°26'20" E, 754.13 feet to a point; thence, N 42°06'18" E, 285.25 feet to a point of curvature; thence, 332.17 feet along the arc of a curve to the left having a radius of 2907.52 feet and a chord bearing N 38°49'56" E, 331.99 feet to a point on the northerly boundary of said SPROUL-SECURITY SUBDIVISION NO.4; thence continuing along the westerly boundary of the tract herein described and also along said northerly boundary, N 89°36'00" W, 300.31 feet to a point; thence, N 89°45'46" W, 291.73 feet to a point on the southerly boundary of said REBONITO subdivision; thence continuing along the westerly boundary of the tract herein described and also along said southerly boundary, N 00°06'33" W, 295.16 feet to a point; thence, S 89°35'33" E, 295.16 feet to a point; thence, N 00°06'33" W, 1010.97 feet to a point on the northerly boundary of the tract herein described; thence continuing along said northerly boundary and also along the southerly boundary of said REBONITO subdivision, S 89°31'32" E, 498.56 feet to a point; thence, S 89°31'45" E, 827.25 feet to the point and place of beginning.

Tract contains 179.8157 acres, more or less.

SHEET 2 OF 4 SHEETS

SHEET 3 OF 56

TANGENT DATA		
NR.	DISTANCE	BEARING
T1	34.87	S00°28'15"W
T2	110.00	N86°47'00"W
T3	100.00	S44°13'50"E
T4	50.00	N76°01'37"E
T5	25.01	N15°10'00"W
T6	55.09	N45°13'00"W
T7	89.14	S70°29'51"E
T8	55.00	N89°30'09"E
T9	50.00	N89°30'09"E
T10	110.81	S70°29'51"E
T11	21.55	S24°54'08"E
T12	79.77	S70°29'51"E
T13	70.00	S24°54'08"E
T14	50.00	S24°54'08"E
T15	50.00	S29°29'27"E
T16	100.75	S60°30'33"W
T17	50.00	N29°29'27"W
T18	125.10	N62°48'26"E
T19	50.00	N24°54'08"W
T20	70.00	S65°05'52"W
T21	125.00	N65°05'52"E
T22	62.60	S24°54'08"E
T23	67.60	S24°54'08"E
T24	117.60	S24°54'08"E
T25	50.25	N32°17'06"E
T26	50.00	N52°00'16"W
T27	124.73	S87°00'23"E
T28	21.38	S87°00'23"E
T29	44.84	S59°02'52"E
T30	60.72	S59°02'52"E
T31	21.21	S89°31'45"E
T32	31.82	S89°31'45"E
T33	39.78	S89°31'45"E
T34	108.29	S58°10'48"E

CURVE DATA		
NR.	RADIUS	CHORD
C1	1396.39	754.13
C2	2907.52	332.17
C3	1074.41	1038.66
C4	160.00	141.38
C5	166.91	144.28
C6	254.85	125.97
C7	85.91	57.73
C8	184.30	232.68
C9	705.89	190.37
C10	484.00	340.52
C11	25.00	39.27
C12	1020.31	194.62
C13	25.00	41.23
C14	1045.31	199.39
C15	1070.31	204.16
C16	1396.39	263.05
C17	25.00	38.37
C18	611.13	213.32
C19	702.15	155.79
C20	25.00	38.77
C21	412.92	93.43
C22	515.37	443.38
C23	577.13	201.46
C24	533.14	110.00
C25	533.14	500.37
C26	1396.39	58.20
C27	1396.39	62.37
C28	25.00	42.33
C29	543.13	189.59
C30	683.68	127.43
C31	563.14	496.48
C32	25.00	27.85
C33	252.69	57.21
C34	25.00	35.60
C35	25.00	41.81
C36	302.69	55.06
C37	277.69	133.49
C38	350.00	384.22
C39	380.00	417.15
C40	410.00	450.09
C41	25.00	39.43
C42	25.00	39.11
C43	25.00	40.44
C44	25.00	38.20
C45	1091.34	361.86
C46	1116.34	422.52
C47	1141.34	383.04
C48	1074.41	434.67
C49	1074.41	292.30
C50	1074.41	20.54
C51	330.88	327.37
C52	330.88	327.37
C53	305.88	302.63
C54	280.88	277.90
C55	397.41	396.30
C56	422.41	421.23
C57	447.41	446.16
C58	25.00	41.41
C59	586.10	68.34
C60	995.05	116.02
C61	2901.52	237.53
C62	2871.52	256.33
C63	2841.52	275.24
C64	581.49	419.34
C65	551.49	447.75
C66	521.49	454.61
C67	25.00	35.50
C68	25.00	37.13
C69	551.49	35.02
C70	277.69	27.79

SURVEYOR'S CERTIFICATION

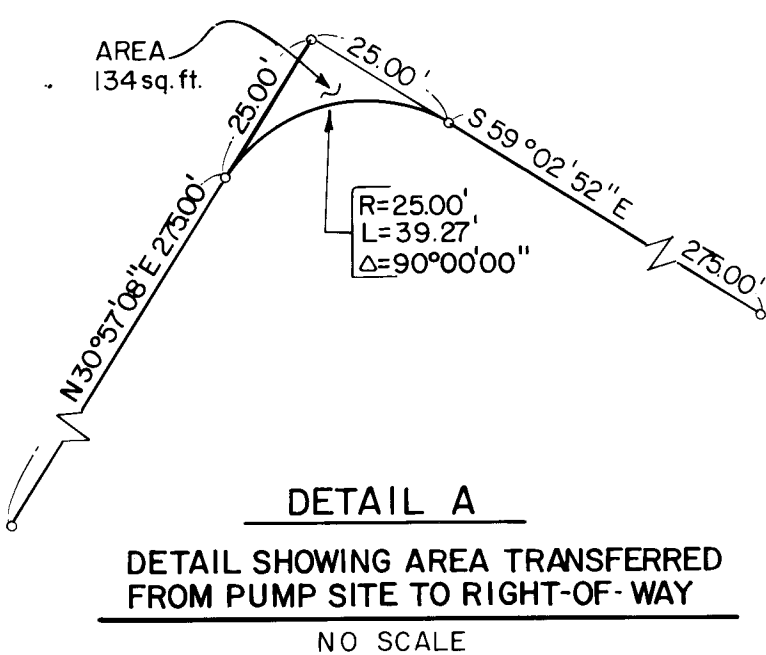
I, A. Dwin Weaver, under the laws of New Mexico, certify that I am a registered Land Surveyor, and that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance,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

A. Dwin Weaver
P.L.S. No. 6544
New Mexico

March 21, 1984
Date

Bohannon-Huston, Inc.
4125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

26 200 703 36



C23-161-2

C23-161-2

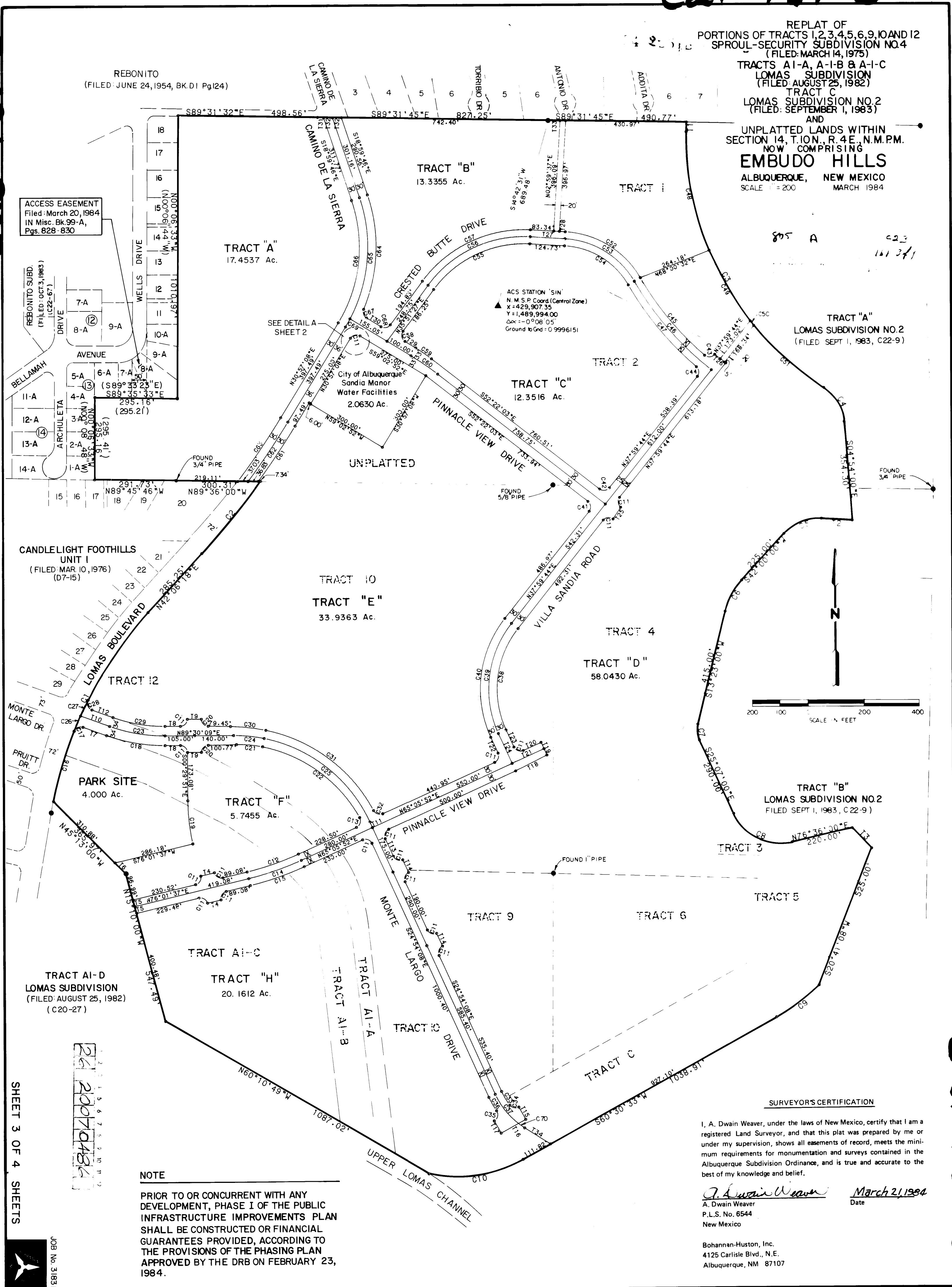
JOB No. 31831

C21-161-3

C21-161-3

SHEET 4 OF 56

C21-161-3



SHEET 3 OF 4 SHEETS

JOB No. 31831

REBONITO
SUBDIVISION

PROPERTY
of
Embudo Hills
Forty

PROPERTY
of
Embudo Hills
Forty

CITY OF ALBUQUERQUE
SANDIA MANOR
WATER FACILITIES

PROPERTY
of
Embudo Hills
Forty

PROPERTY
of
Elmer Sproul

PROPERTY
of
Elmer Sproul

LIMITS OF
ENGINEERED FILL

ZONE 10-E
ZONE 9-E

LIMITS OF
ENGINEERED FILL

PROPERTY
of
American Service Corp.

ROCK EXCAVATION NOTE:

Section 550.021 of the New Mexico Standard Specifications For Public Works Construction, 1979 Edition, shall apply to all storm drain and utility trenching, with the exception that paragraph 1 shall be deleted and the following paragraph shall be inserted:

Rock shall be defined as any material that cannot be excavated at a rate of 50 cubic yards per hour by a competent operator using a CAT 235 HOB or equivalent (Bucket curling force = 35,600 lbs.), and stone or boulders larger than 12 cubic feet. The contractor may excavate rock using any means at his disposal, except that blasting must be thoroughly coordinated with water resources operations. Existing water facilities operations must not be disrupted by blasting. One-half or one-quarter charges with time delay fuses, or the use of chemical expansive materials, are recommended in the vicinity of existing water facilities. The quantity of rock excavation, as included in the engineer's estimate, is for estimating purposes only. The contractor will be paid for actual quantities excavated.

LEGEND

Flatten Crown Area (Typ.)

Valley Gutter as per City Standard dwg. P-9-2

Wheelchair Ramp as per City Standard dwg. P-17

GRADING

GRADING & PAVING

CATCH BASIN

STORM DRAIN

STORM SEWER M.H.

NOTES

- Engineered fill contours are accurate to nearest 0.5'. Those areas not governed by proposed fill contours shall be governed by typical section tie slopes.
- The Contractors earthmoving equipment shall remain within 20' of slope limits of roadway excavation and engineered fills. All areas disturbed during construction, excluding roadway sections, shall be reseeded according to the Erosion Control Plan on sht. 35.
- For storm drain details at intersections, see sht. 28.
- Fill shall be placed in 12" lifts and compacted to 90% density per ASTM 1557. Moisture content shall be optimum $\pm 2\%$.

MATCH LINE SHEET 7

- All curb returns shall be 25' radius unless otherwise specified.
- Cutoff walls and type III barricades shall be provided on the streets that stub out to the property of American Service Corporation, if the improvements for Vista Del Mundo Subdivision are not constructed concurrently or prior to the completion of Phase I of the Embudo Hills improvements.

SCALE:
1" = 100'

PREPARED UNDER THE
DIRECTION OF

William P. ...

PROJECT NUMBER

2007

CITY OF ALBUQUERQUE

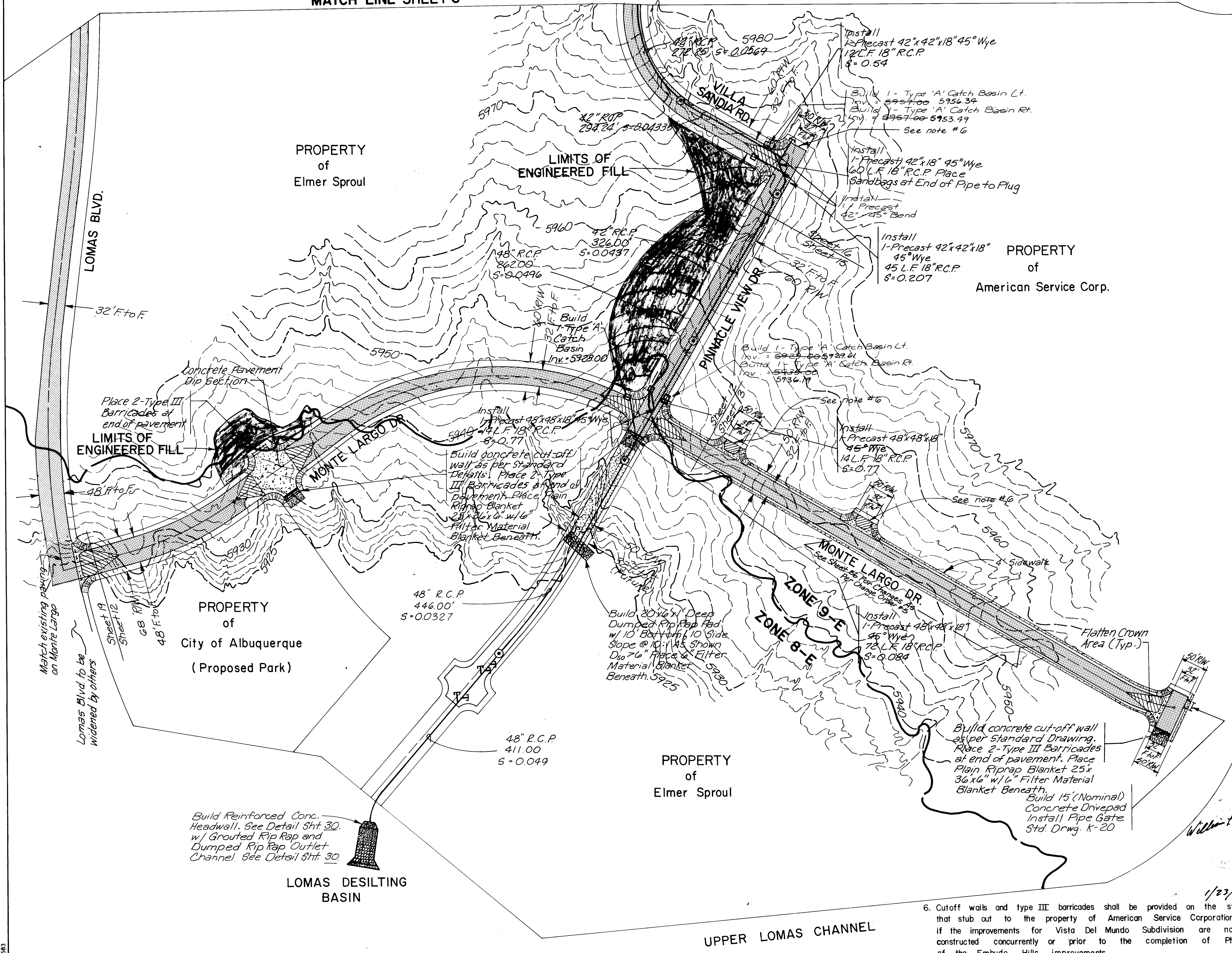
TITLE: EMBUDO HILLS, PHASE I
GRADING AND PAVING KEY MAP

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	<i>...</i>	10/11/83	W&P	<i>...</i>	6/20/83
ACE-D	<i>...</i>	7/2/84			

DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE
KLD	12/83	RAH	12/83	MDL	12/83

DRAWING NO. SHEET 6 OF 56

MATCH LINE SHEET 6



ROCK EXCAVATION NOTE:
Section 550.021 of the New Mexico Standard Specifications For Public Works Construction, 1979 Edition, shall apply to all storm drain and utility trenching, with the exception that paragraph 1 shall be deleted and the following paragraph shall be inserted:
Rock shall be defined as any material that cannot be excavated at a rate of 50 cubic yards per hour by a competent operator using a CAT 235 HOE or equivalent (Bucket curling force = 35,600 lbs.), and stone or boulders larger than 12 cubic feet. The contractor may excavate rock using any means at his disposal, except that blasting must be thoroughly coordinated with water resources operations. Existing water facilities operations must not be disrupted by blasting. One-half or one-quarter charges with time delay fuses, or the use of chemical expansive materials, are recommended in the vicinity of existing water facilities. The quantity of rock excavation, as included in the engineer's estimate, is for estimating purposes only. The contractor will be paid for actual quantities excavated.

LEGEND

- Flatten Crown Area (Typ.)
- Valley Gutter as per City Std. dwg. P-9-2
- Wheelchair Ramp as per City Standard dwg. P-9-2
- GRADING
- GRADING & PAVING
- CATCH BASIN
- STORM DRAIN
- STORM SEWER M.H.

NOTES

- Engineered fill contours are accurate to nearest 0.5'. Those areas not governed by proposed fill contours shall be governed by typical section tie slopes.
- The Contractors earthmoving equipment shall remain within 20' of slope limits of roadway excavation and engineered fills. All areas disturbed during construction, excluding roadway sections, shall be reseeded according to the Erosion Control Plan on sht. 35.
- For storm drain details at intersections, see sht. 28.
- Fill shall be placed in 12" lifts and compacted to 90% density per ASTM 1557 Moisture content shall be optimum $\pm 2\%$.
- All curb returns shall be 25' radius unless otherwise specified.

PREPARED UNDER THE DIRECTION OF: *Michael McManis*

CITY OF ALBUQUERQUE

TITLE: **EMBUDO HILLS, PHASE I GRADING AND PAVING KEY MAP**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	<i>[Signature]</i>	1/23/84	TE.	<i>[Signature]</i>	5/2/84
ACC-O	<i>[Signature]</i>	7/2/84			

PROJECT NUMBER: 2007

DRAWING NO. SHEET 7 OF 56

6. Cutoff walls and type III barricades shall be provided on the streets that stub out to the property of American Service Corporation, if the improvements for Vista Del Mundo Subdivision are not constructed concurrently or prior to the completion of Phase I of the Embudo Hills improvements.

SCALE: 1" = 100'

REBONITO
SUBDIVISION

Antonio Waterline
Extension (Rebonito
Subdivision) See Sht. 23.

PROPERTY
of
Elmer Sproul

Install
1-8"x8"x8" Tee
1-8" Gate Valve w/Type 'B' Box & Lid
1-8"x12" Reducer
Blocking

Install
1-12" Gate Valve
w/Type 'B' Box & Lid

Install
1-12" 90° Bend
40' L.F. of 12" D.H.P. or A.C. or P.V.C.
1-12" Gate Valve w/Type 'A' Box & Lid
1-12" Cap Line Extended into Vista del
Blocking Mundo Project.

Install
1-8"x8"x6" Tee
1-Air Release Hydrant
as per Standard Details
w/ Flange Elev. 43.80
8" Cap
Blocking

Install
1-8"x8"x6" Tee
60' L.F. of 8" D.H.P. or A.C. or P.V.C.
1-6" Gate Valve
w/Type 'A' Box & Lid
1-6" Cap
Blocking

PROPERTY
of
Embudo Hills
Forty

Install
1-14"x14"x6" Tee
2-6" 90° Bends
80' L.F. of 6" D.H.P. or A.C. or P.V.C.
1-6" Gate Valve w/Type
'B' Box & Lid
1-6" Cap
Blocking

PROPERTY
of
American Service Corp.

Install
1-14"x14"x8"x8" Cross
60' L.F. of 14" D.H.P. or A.C. or P.V.C.
1-14" Butterfly Valve w/Type
'A' Box & Lid
1-14" Cap
2-8" Gate Valves w/Type 'A'
Boxes & Lids
Blocking-Blocking at Valves

Install
1-14"x8" Reducer
8" Hersey Turbine Meter
w/Pit & Remote Meter Box
1-8"x6" Reducer
6"x3" P.R.V. Station
See Detail Sheet 22.
1-14"x6" Reducer
Build 6" Dia. Type 'C' Manhole
Adjust Rim 3" above grade
See Std. Drwg. W-13-2

Install
1-16"x16"x14" Conc. Cyl. Tee
1-14" Short Body Dresser
2-16" Butt Straps
1-14" Butterfly Valve w/Type
'B' Box & Lid
See Detail Sheet 24.
Non-Pressure Connection

Install
1-14"x14"x14" Tee
1-8" Gate Valve w/Type
'B' Box & Lid
1-8"x14" Reducer
1-8"x8"x6" Tee
1-6" Cap
Blocking

CITY OF ALBUQUERQUE
SANDIA MANOR
WATER FACILITIES

PROPERTY
of
Embudo Hills
Forty

PROPERTY
of
Elmer Sproul

MATCH LINE SHEET 9

General Notes:

1. Permissible materials for all waterlines, 12" and smaller, unless otherwise specified, shall be ductile iron pipe, asbestos cement, or polyvinyl chloride.
2. All waterlines shall be extended one pipe length beyond valves on dead end stubs.
3. Water and Sewer lines shall be constructed according to the Specifications for Public Works Contract 84-2.

FHWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6			

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS		DESIGN	
CONTRACTOR	DATE	CONTRACTOR	DATE	BY	DATE	MAP NO.	EST. NO.	NO.	DATE	DESIGNED BY	DATE
WORK SHOWN BY	DATE	TO REACH THE STATION FROM THE INTERSECTION OF INDIAN SCHOOL RD. AND MONTE LARGO DR., GO SOUTH ON MONTE LARGO DR. 0.1 MILE TO BELLAMCH AVE. TURN LEFT, GO EAST ON A DIRT TRAIL 0.3 MILE TO THE STATION.	DATE	NO	DATE	J-23	51	BY	DATE	KLD	1/84
ACCEPTANCE BY	DATE	The station mark is a standard ACS brass tablet stamped "SIN 1978", elevation = 6067.39.	DATE	NO	DATE			REMARKS	DATE	SAH	1/84
VERIFICATION BY	DATE		DATE	NO	DATE				DATE	MDL	1/84
RECORDED BY	DATE		DATE	NO	DATE				DATE		
NO.				NO							

21 20070886

William P. Hackett

Michael M. Emery

1/23/86

2-6-84

SCALE:

1"=100'

PREPARED UNDER THE
DIRECTION OF

PROJECT NUMBER

2007



CITY OF ALBUQUERQUE

TITLE: EMBUDO HILLS, PHASE I
WATER LAYOUT

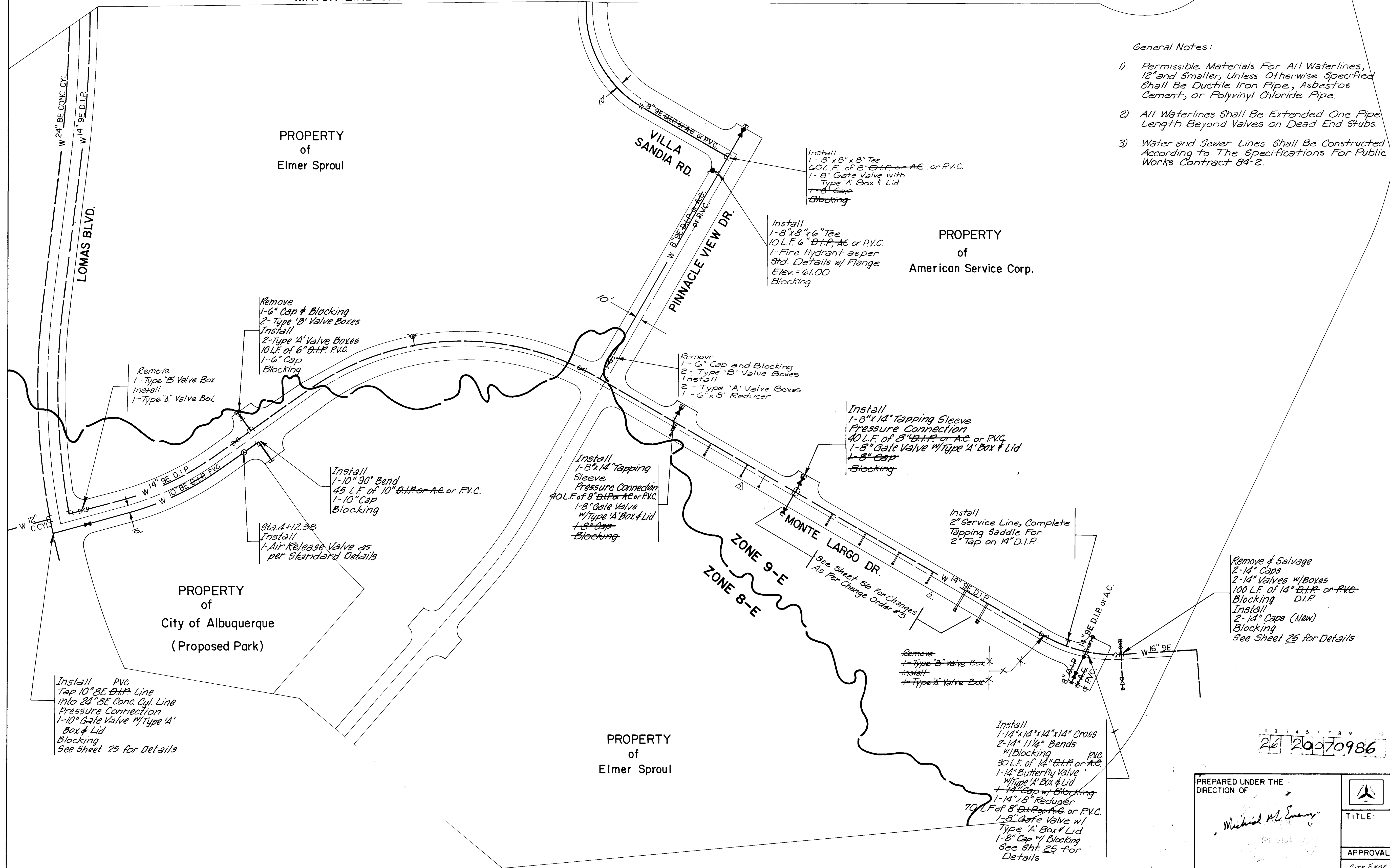
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engr.	W. P. Hackett	1/23/86	USD	W. P. Hackett	5/20/84
ACE-D	W. P. Hackett	1/23/86	TE	W. P. Hackett	6/1/84
W. P. Hackett	W. P. Hackett	1/23/86			

DRAWING
NO.

SHEET 8 OF 56

MATCH LINE SHEET 8

- General Notes:
- 1) Permissible Materials For All Waterlines, 12" and smaller, Unless Otherwise Specified Shall Be Ductile Iron Pipe, Asbestos Cement, or Polyvinyl Chloride Pipe.
 - 2) All Waterlines Shall Be Extended One Pipe Length Beyond Valves on Dead End Stubs.
 - 3) Water and Sewer Lines Shall Be Constructed According to The Specifications For Public Works Contract 84-2.



AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES			
CONTRACTOR	WORK STARTED BY	DATE		To reach the station from the intersection of Indian School Rd. and Monte Largo Dr., go south on Monte Largo Dr. 0.1 mile to Bellamoh Ave. Turn left, go east on a dirt trail 0.3 mile to the station.	DATE	BY	NO.	MAP NO. J-23	EST. NO.	W.O. NO.	BY	NO.	DATE	DESIGNED BY	DATE
INSPECTOR	FIELD CHECKED BY	DATE		The station mark is a standard ACS brass tablet stamped "SIN 1978", elevation = 6067.39.											
VERIFICATION BY	DATE														
MICRO-FILM INFORMATION															
RECORDED BY	DATE														
NO.															

PREPARED UNDER THE DIRECTION OF: *Michael M. Emery*

CITY OF ALBUQUERQUE

TITLE: EMBUDO HILLS, PHASE I WATER LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENCL	<i>E.M. Calhoun</i>	5/14/84	<i>W.D.</i>	<i>W.D.</i>	5/30/84
ACC-O	<i>E.M. Calhoun</i>	7/19/84	N.A. D.W.H.	TE	6/2/84

PROJECT NUMBER: 2007

DRAWING NO. SHEET 9 OF 56

MATCH LINE SHEET 10

LEGEND

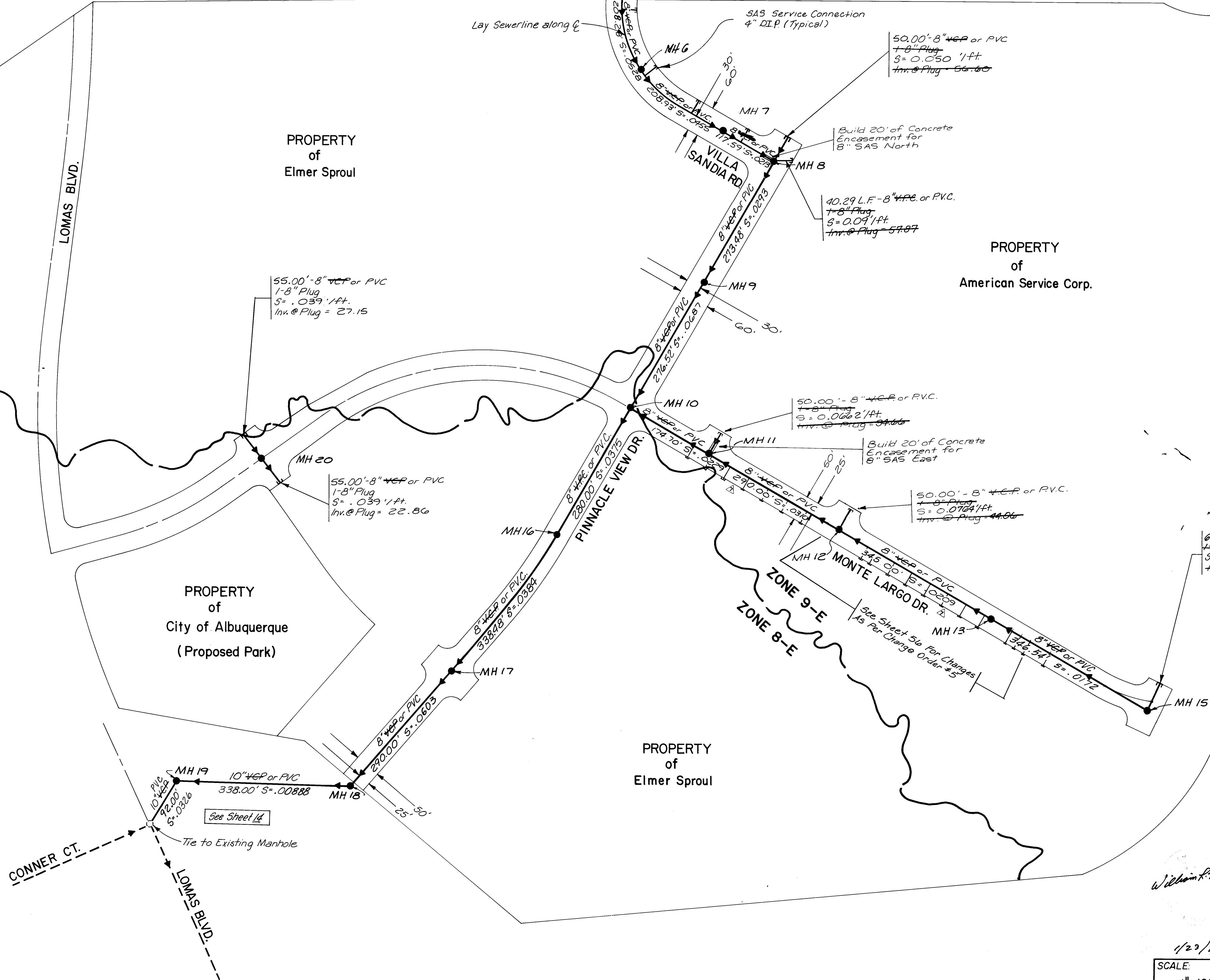
- Sewer Main with Flow Direction
● Manhole
⊥ Plug

NOTES:

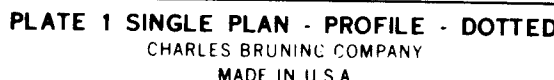
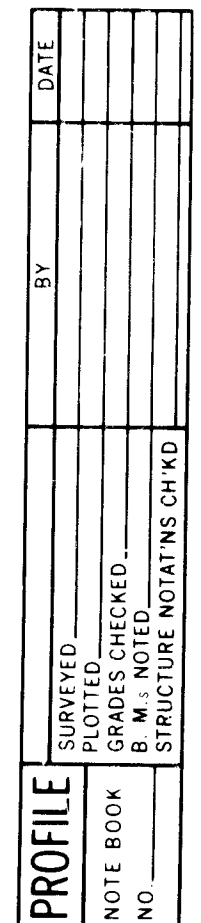
- Water and Sewer lines shall be installed per Supplemental General Conditions Section 18.1 Policy on the Proximity of Water and Sewer lines, New Mexico Standard Specifications for Public Works Construction, 1979 Edition.
- Water & Sewer Construction shall Be Constructed According To The Specifications For Public Works Contract 84-2.
- Sewer mains designated on the plan set to be laid on a horizontal curve shall be exempted from the lamping requirement stated in Section 552.061 of the New Mexico Standard Specifications for Public Works Construction, 1979 Edition.
- Streets shall be graded to finish grade $\pm 1.0'$ prior to installation of Utilities.
- Electronic Marker Discs shall be installed at all Service Tees and at all Plugged Tees as specified in Section 131 of the Supplemental Technical Specifications to the City of Albuquerque Contract Documents for City Wide Utilities and Cash Paving No. 31.
- A water tight plug shall be installed at the end of all Sanitary Sewerline Stub-outs.
- All Stub-Outs shall be perpendicular to downstream segment of Sanitary Sewerline unless otherwise noted.
- All Service Stubs shall Be 4" Diameter and Constructed According To The Standard Details.

26 20071186

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS			
CONTRACTOR	DATE	INSPECTOR'S	DATE	TO REACH THE STATION FROM THE INTERSECTION OF INDIAN SCHOOL RD. AND MONTE LARGO DR., GO SOUTH ON MONTE LARGO DR. 0.1 MILE TO BELLOMAN AVE. TURN LEFT, GO EAST ON A DIRT TRAIL 0.3 MILE TO THE STATION.	DATE	BY	NO.	MAP NO. J-23	EST. NO.	W.O. NO.	DATE	DATE	BY	NO.	DATE	DATE	DATE	DATE	DATE
MICRO-FILM INFORMATION				DESIGN				REVISIONS				DESIGN				REVISIONS			
RECORDED BY	NO.	DATE		DESIGNED BY	KLD	DATE	1/84	DRAWN BY	RAH	DATE	1/84	CHECKED BY	MDL	DATE	1/84				



PREPARED UNDER THE DIRECTION OF	CITY OF ALBUQUERQUE				
TITLE: EMBUDO HILLS, PHASE I SANITARY SEWER LAYOUT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENG	ACE-D	1/1/84	TE	WPT	5/20/84
1/23/86	2-6-84				
PROJECT NUMBER	2007				
DRAWING NO.					
SHEET 11	OF 56				

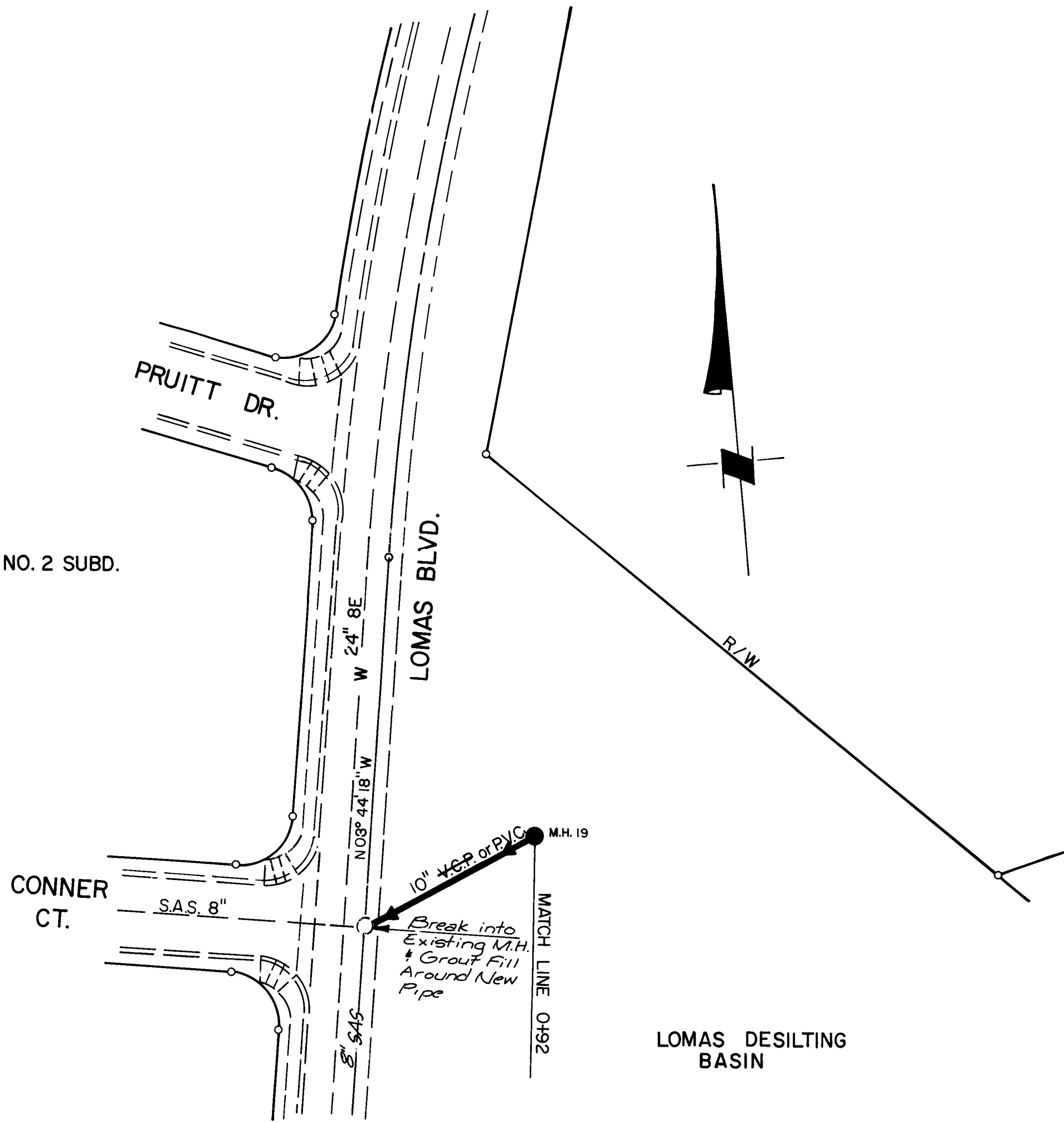


PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	
NO	RT. IF MAY CHECKED	

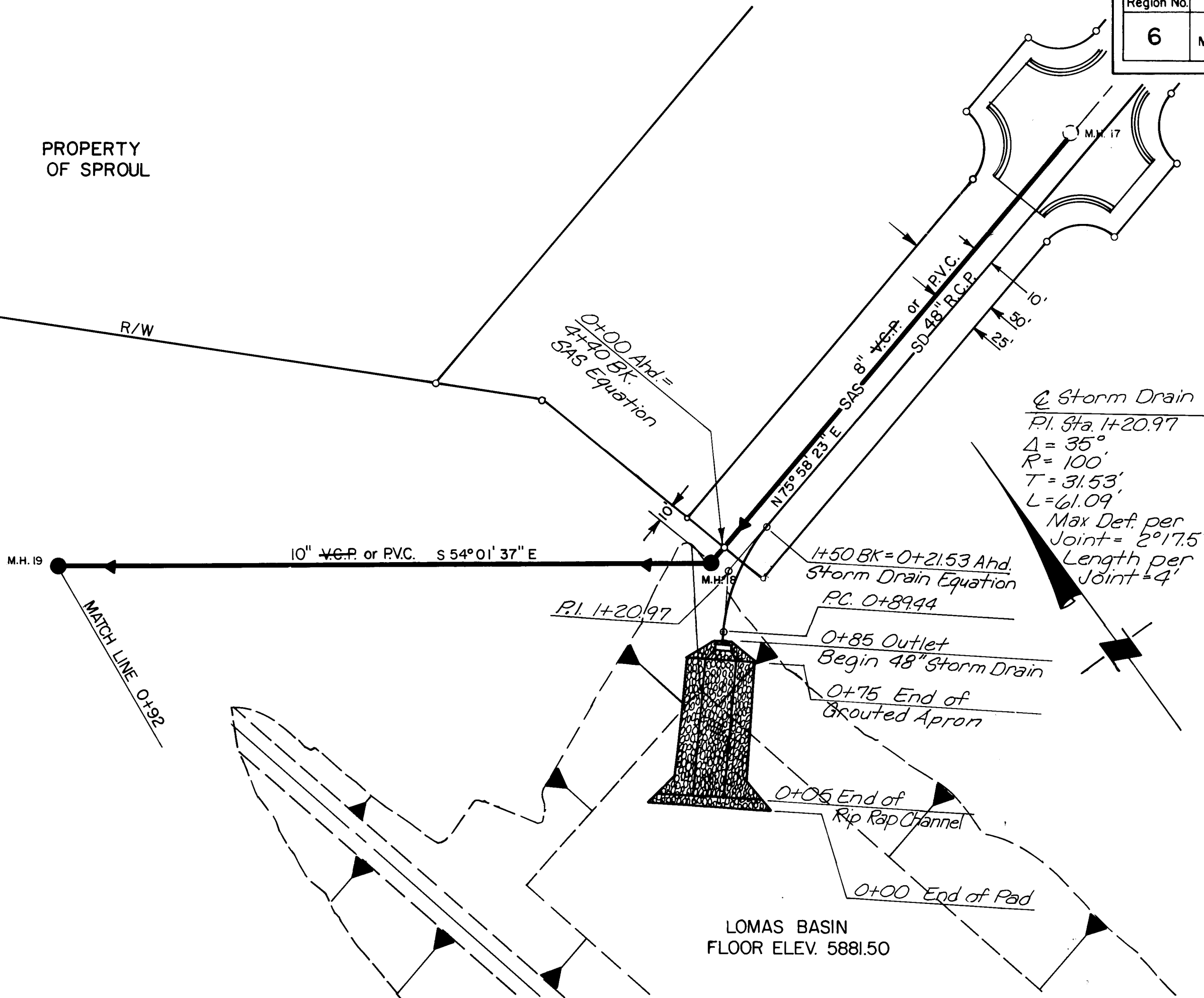
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO	B.M. NOTED	
	STRUCTURE NOTATIONS CHK'D	

BRUNING 44 132 52753

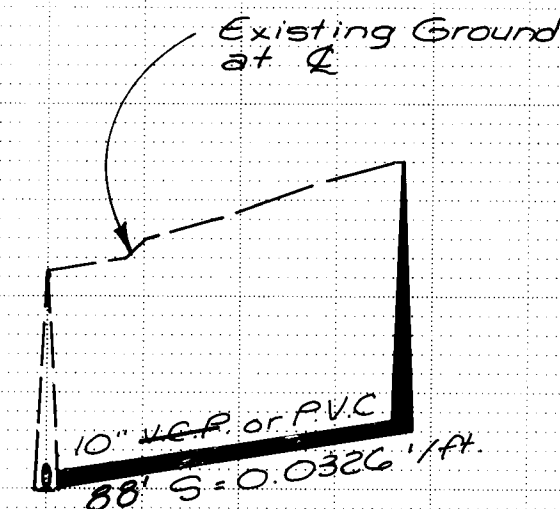
TODD NO. 2 SUBD.



PROPERTY OF SPROUL



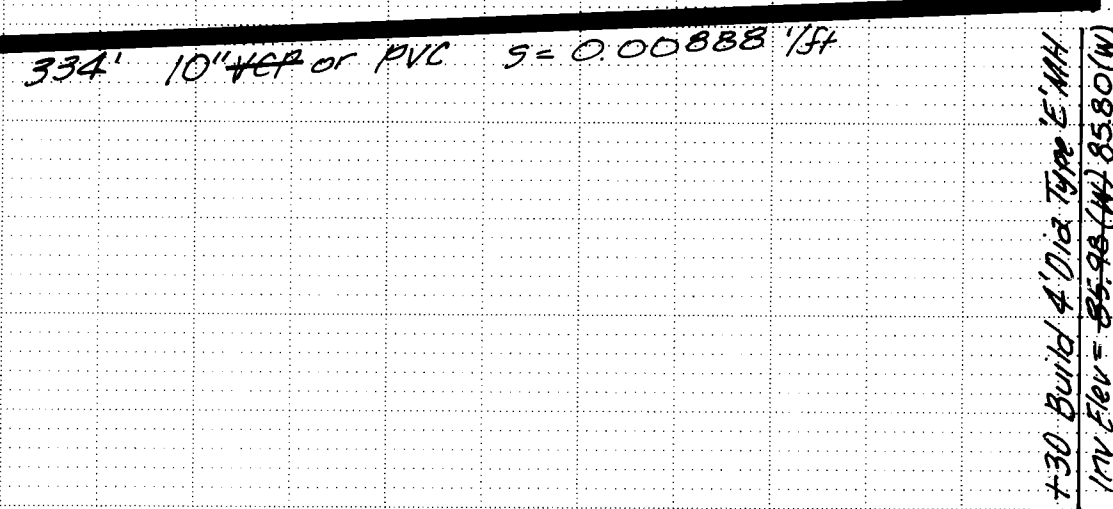
Intersection Lomas Blvd & Conner Ct.



100 Tie to Existing M.H.
Inv. Elev. = 80.00 (E)

192 Build 4 Dia Type E M.H.
Inv. Elev. = 82.93 (E)
82.93 (E)
82.74 (W)

192 Build 4 Dia Type E M.H.
Inv. Elev. = 82.93 (E)
82.93 (E)
82.74 (W)



4+00

1/23/84

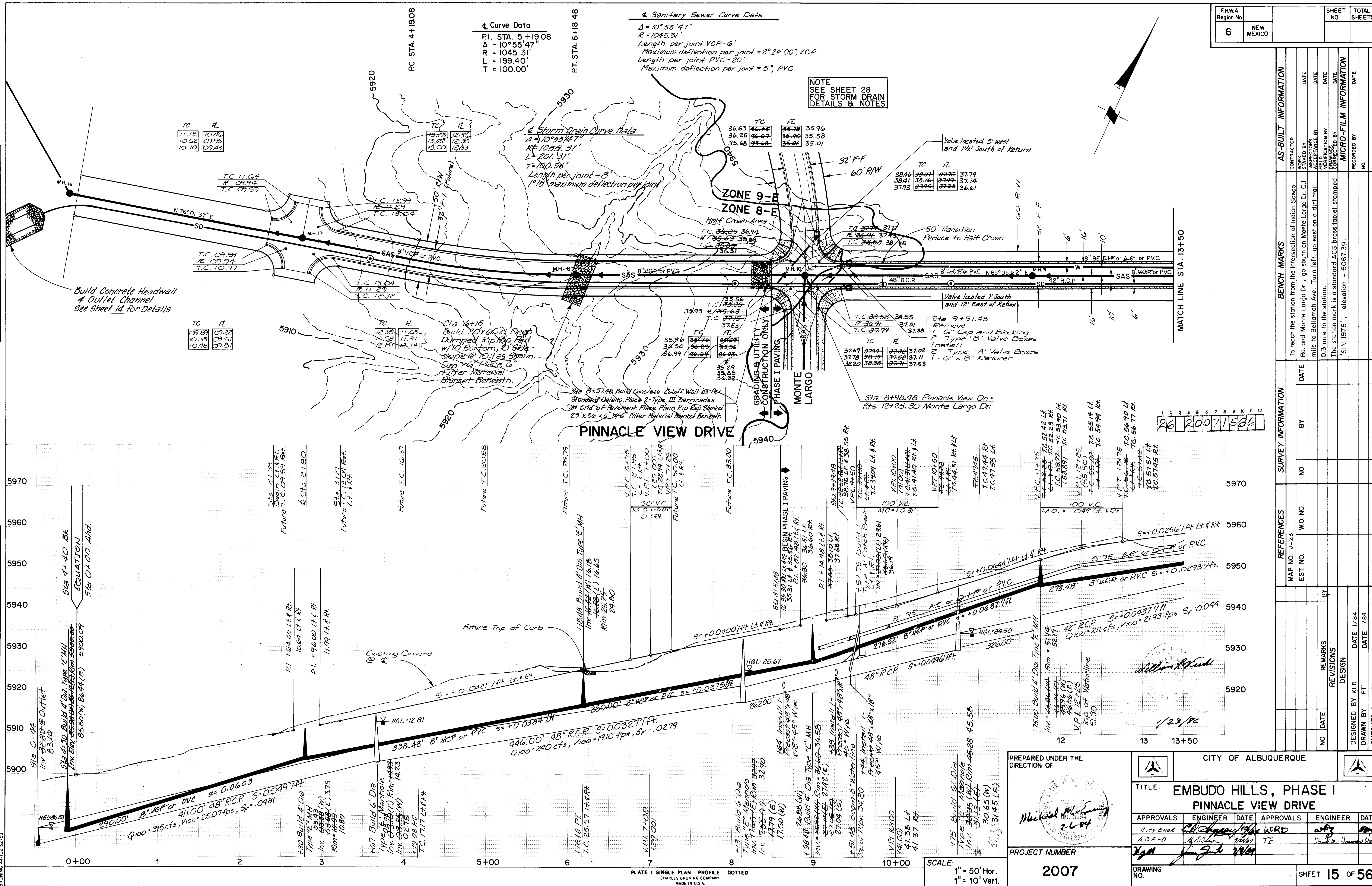
PREPARED UNDER THE
DIRECTION OF
Michael M. Sany
2-6-84

CITY OF ALBUQUERQUE					
TITLE: EMBUDO HILLS, PHASE I LOMAS BLVD. SEWER CONNECTION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENG	W. J. Sany	1/23/84	W. J. Sany	W. J. Sany	1/23/84
ACE-D	W. J. Sany	1/23/84	W. J. Sany	W. J. Sany	1/23/84
PROJECT NUMBER 2007			SHEET 14 OF 56		

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

PLAN	DATE	BY
SURVEYED		
ALIGNED CHECKED		
RT OF WAY CHECKED		
NO		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
8" W. NOTED		
STRUCTURE NOTATIONS CHVD		
NO		



BRUNING 44-132 52753

PROFILE		BY	DATE
SURVIVED			
PLOTTED			
GRADES CHECKED			
B. M. NOTED			
STRUCTURE NOTATIONS CH'KD			

P.C. STA. 15+66.08

Curve Data
P.I. STA. 17+98.47
 $\Delta = 62^\circ 53' 52''$
 $R = 380.00'$
 $L = 417.15'$
 $T = 232.40'$

P.T. STA. 19+83.23

Sta. 22+39.75
Build Type 'A' Catch
Basin Lt.
T.C. 98.81 Inv. ~~88.50~~ 89.29
Install
1-Precast 36"x36"x18" 45° Wy
38 L.F. 18" R.C.P.
S=0.044

Valve located 4 1/2' East & 2 1/2' North of Return

T.C.		FE	
14.41	14.24	14.58	
14.32	13.67	14.01	
13.76	13.09	13.36	

5.59 32' F

T.C.	FE
14.48	14.00
13.14	13.35

50 L.F. 8" VCP or P.V.C.
1-8" Plug
 $s = 0.0151' / ft.$
Inv. @ plug - 88.76
09.02

ce 2-Type III Barricades
end of Pavement

T.C. 16.64 16.94
15.88 16.28

F.H.W.A. Region No.			SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

T.C.	£	INFORMATION
17.67	17.00	
17.33	16.66	
16.48	16.31	
17.82	17.15	
17.51	16.84	INFORMATION
17.21	16.54	

	TRACTOR
	AK
	ECTION'S
	CEPTANCE BY
	D
	IFICATION BY
	INGS
	RIVED BY
	MICRO-FILM I
	ORDERED BY

[illegible]

TH MARKS
the intersection of
go south on Mont
go south on Mont
turn left, go east o
Standard ACS brass f
= 6067.39.

with the station from
Monte Largo Dr. to
Bellamah Ave. The
to the station.
station mark is a station
978", elevation

<i>MD</i>			To recd.
	DATE		Rd. and mile 0.3 m The s "SIN

[illegible][illegible][illegible][illegible]

REVISIONS	REMARKS	DATE	DRAWN	DATE			
					DESIGN	CHECKED	DATE
			KLJD				
			LAH				
			MDI				

William P. French

[illegible]

CITY OF ALBUQUERQUE

DO HILLS, PHASE I
SANDIA ROAD

YEAR	DATE	APPROVALS	ENGINEER	DATE
1964	7/10/64	WRD	W.F.	5-30-64
	7/28/64	TE	David W. Hamman	6/27/64
1964	7/1/64			

SHEET 16 OF 36

BRUNING 44.132 52753

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

24
SCALE:
1" = 50' Hor.
1" = 10' Vert

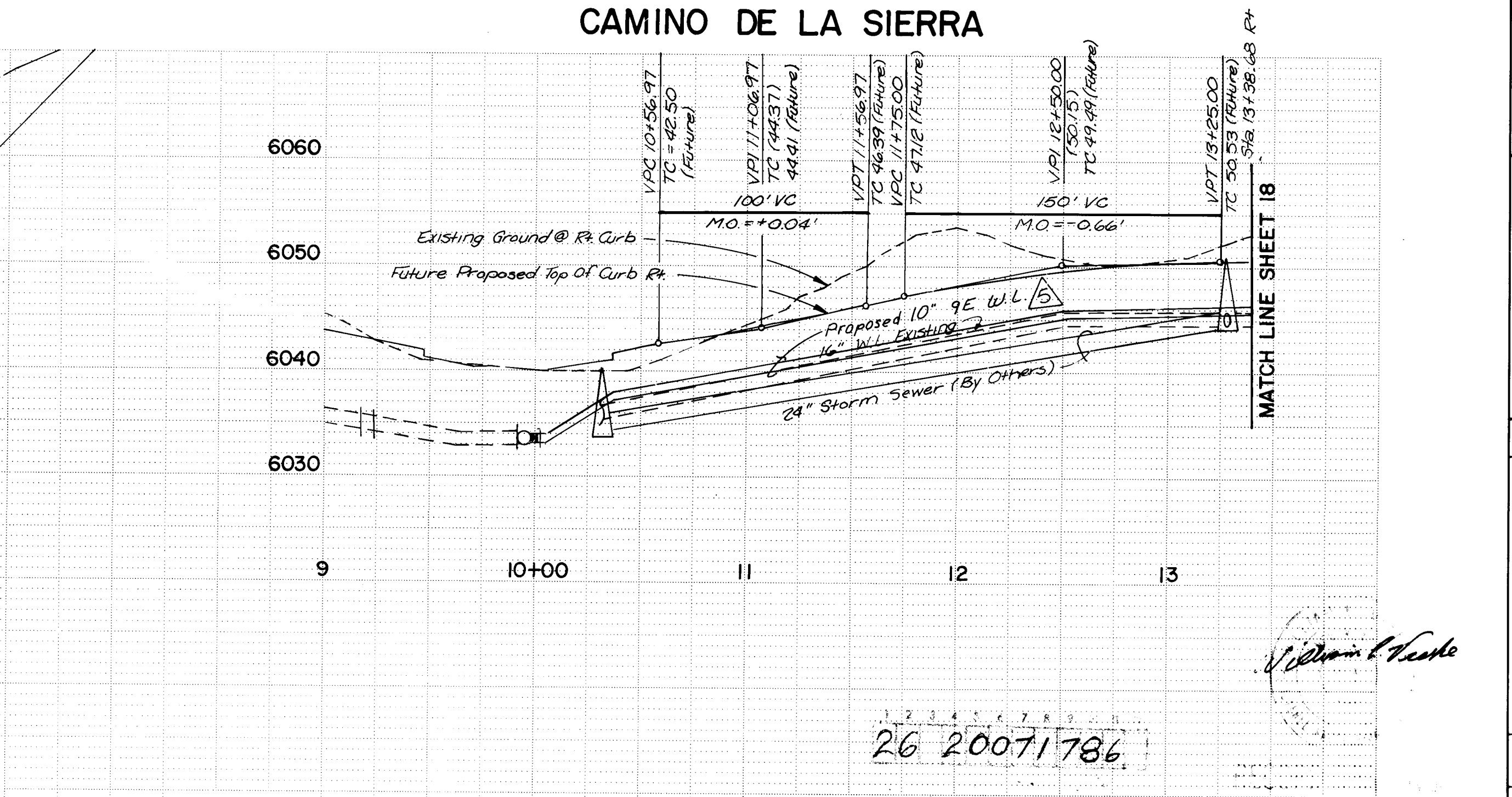
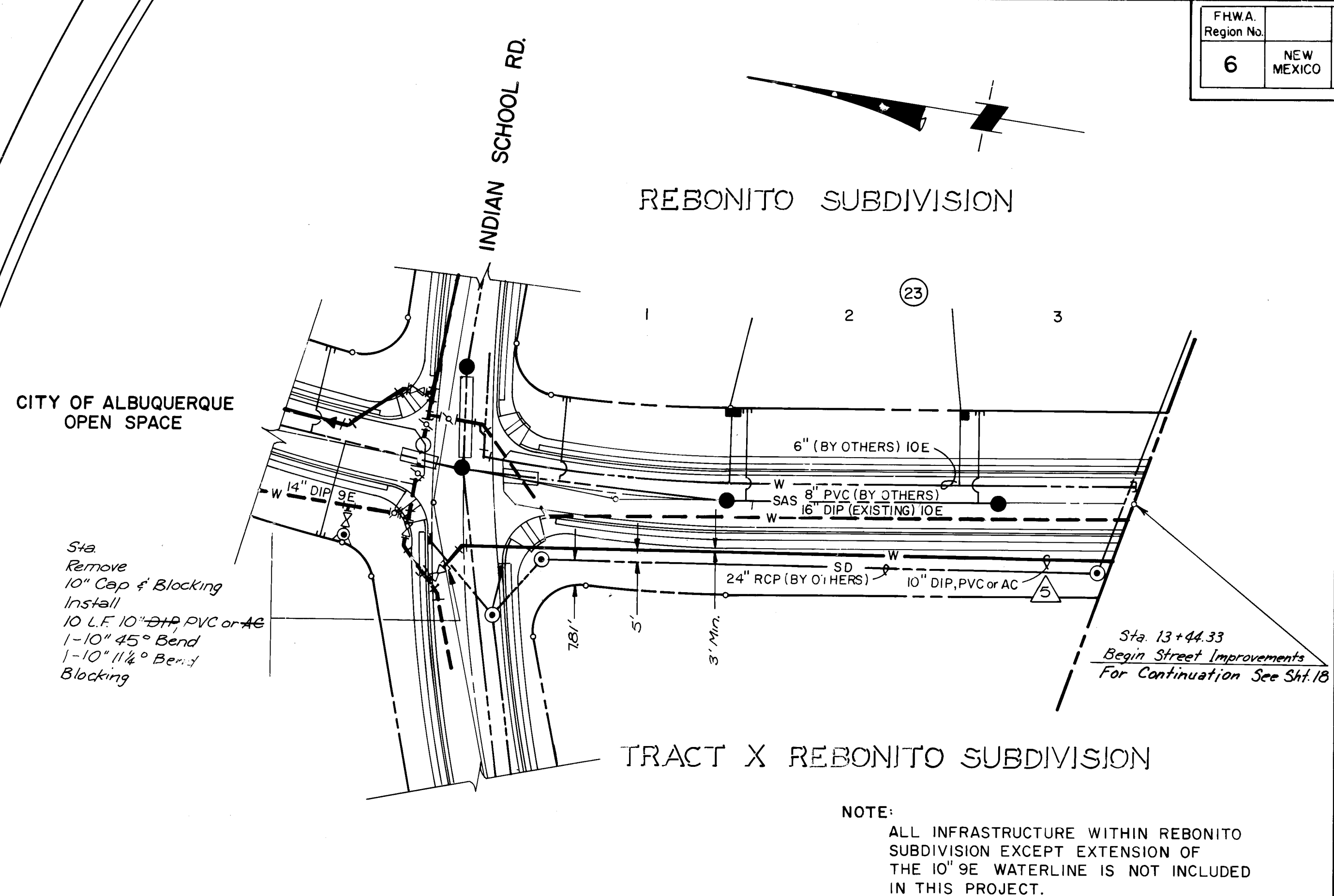
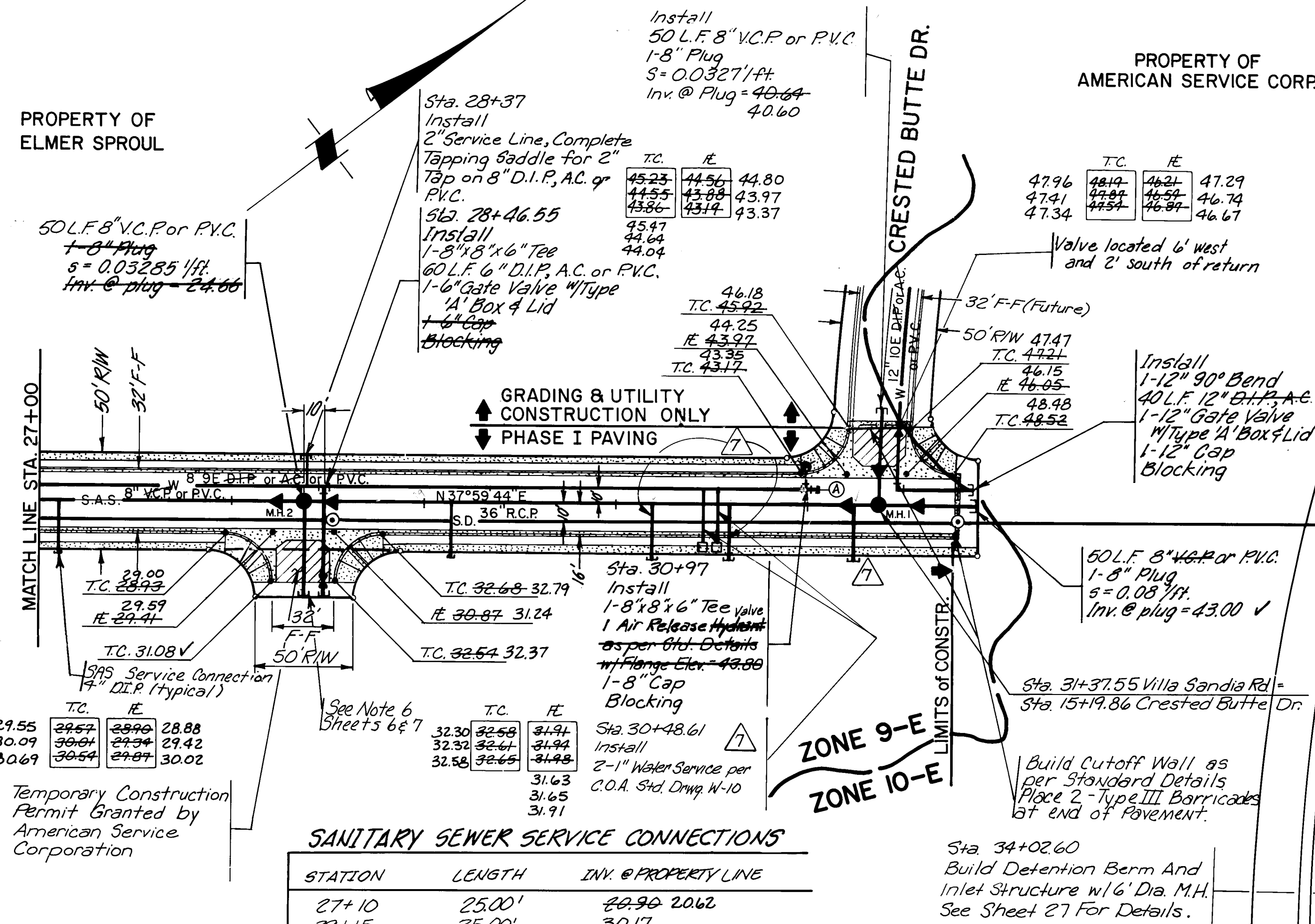
2007

SHEET 16 OF 56

PLAN	DATE	BY
SURVEYED		
NOTED		
NO.		

PROFILE	DATE	BY
SURVEYED		
NOTED		
NO.		

BRUNING 44-132-52753



PREPARED UNDER THE DIRECTION OF

CITY OF ALBUQUERQUE

TITLE: EMBUDO HILLS, PHASE I VILLA SANDIA ROAD

APPROVALS: ENGINEER DATE: 1/23/06

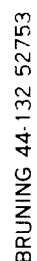
DESIGNED BY: KLD DATE: 1/84

DRAWN BY: RAH DATE: 1/84

CHECKED BY: MOL DATE: 1/84

PROJECT NUMBER: 2007

DRAWING NO. SHEET 17 OF 56



PROFILE		BY	DATE
SURVEYED _____			
PLOTTED _____			
GRADES CHECKED _____			
B. M. NOTED _____			
NO. _____			
STRUCTURE NOTATIONS CH-KD _____			

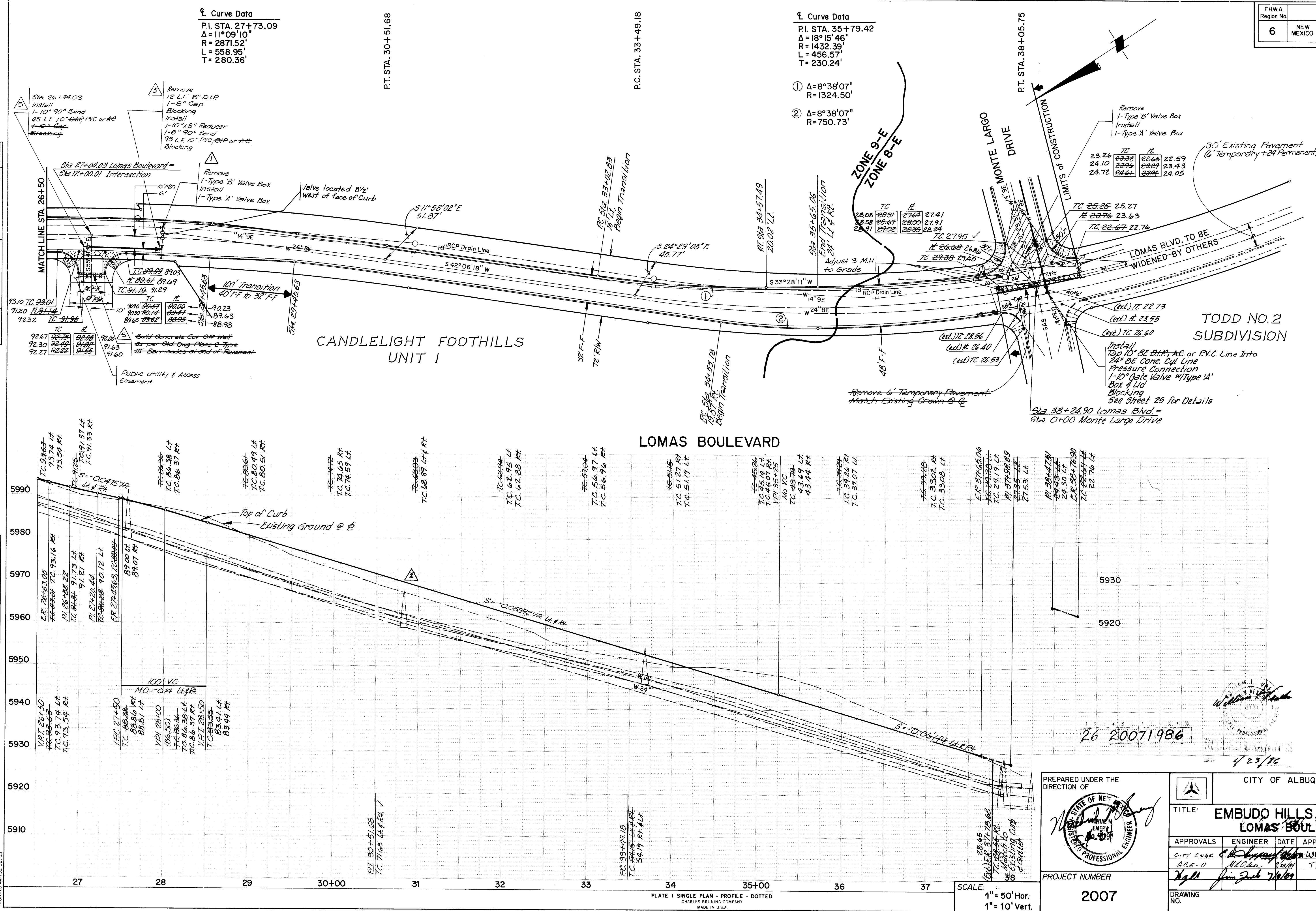
AS-BUILT INFORMATION	
CONTRACTOR	
WORK	
INSPECTOR'S	DATE
RECEIPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWINGS	DATE
CORRECTED BY	
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS
To reach the station from the intersection of Indian School Rd. and Monte Largo Dr., go south on Monte Largo Dr. 0.1 mile to Belamoth Ave. Turn left, go east on a dirt trail 0.3 mile to the station.
The station mark is a standard ACS brass tablet stamped "SIN 1978", elevation = 6067.39.

[illegible][illegible]

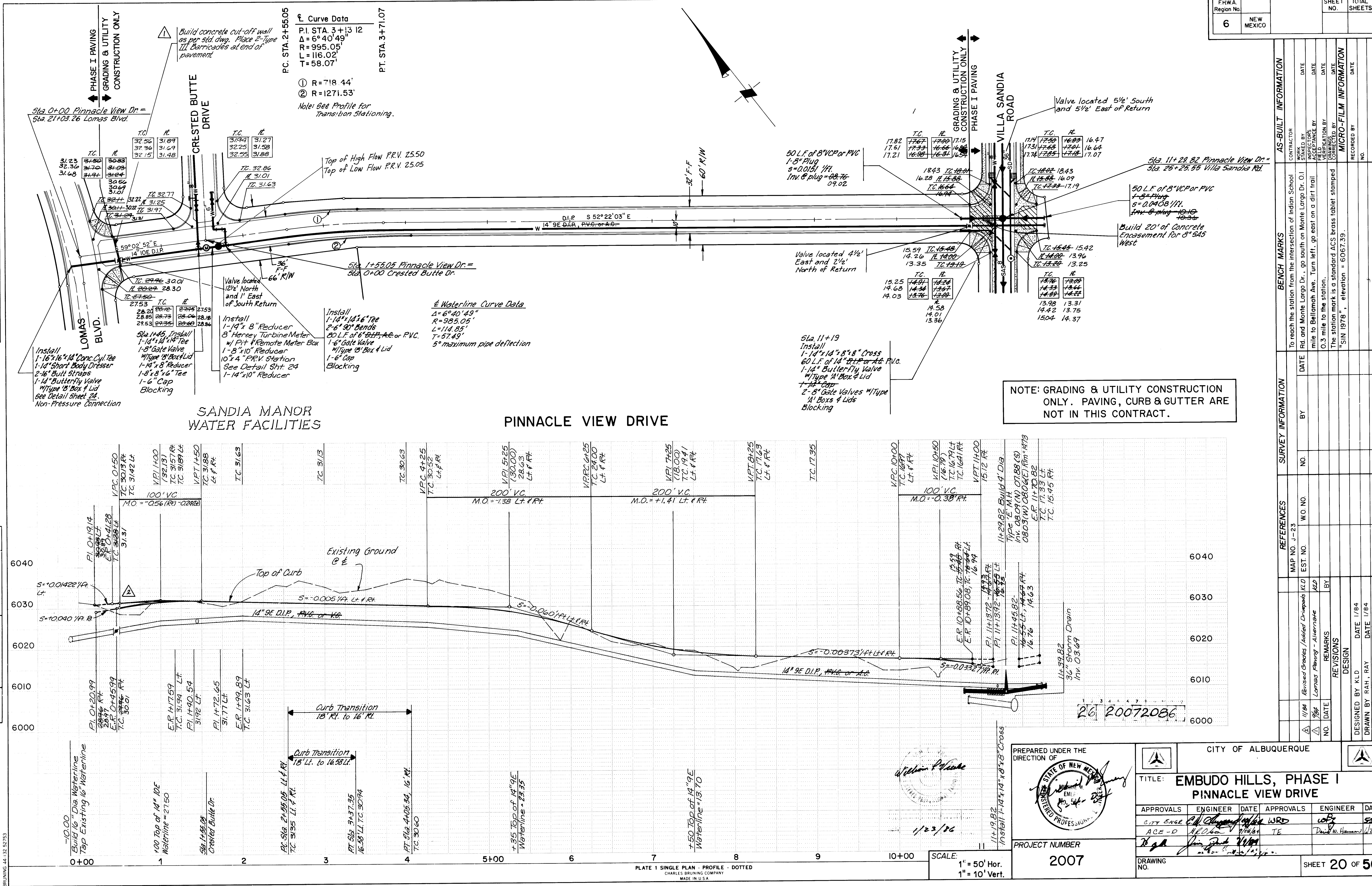
DESIGN			
DESIGNED BY	DATE	1/84	
DRAWN BY	DATE	1/84	
CHECKED BY	DATE	1/84	
KL	1/85	Added Turnout w/ Newborn Trail A	BY
KL	1/84	Revised grades / Added Drivepaths	BY
KL	9/84	Added Paving / Added Improvements	BY
REVISIONS			
NO.	DATE	REMARKS	BY

VERQUE			
, PHASE I			
EVARD			
PROVALS	ENGINEER	DATE	
ED	WFS	7-1	
EE	David W. Hume	6/27/88	
SHEET 19		OF 56	



PLAN	DATE	BY
SURVEYED		
ALIGNED		
NOTE BOOK		
NO		

PROFILE	DATE	BY
SURVEYED		
ALIGNED		
NOTE BOOK		
NO		



FHWA Region No.	6	NEW MEXICO
SHEET NO.	20	TOTAL SHEETS

AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			REFERENCES		
CONTRACTOR	DATE	BY	CONTRACTOR	DATE	BY	MAP NO.	EST. NO.	W.O. NO.	MAP NO.	EST. NO.	W.O. NO.
WORK BY	DATE	BY	TO reach the station from the intersection of Indian School Rd. and Monte Largo Dr., go south on Monte Largo Dr. 0.1 mile to Bellamh Ave. Turn left, go east on a dirt trail 0.3 mile to the station.	DATE	BY						
FIELD ACCEPTANCE BY	DATE	BY	THE station mark is a standard ACS brass tablet stamped "SIN 1978", elevation = 6067.39.	DATE	BY						
RECORDED BY	DATE	BY		DATE	BY						

PREPARED UNDER THE DIRECTION OF

CITY OF ALBUQUERQUE

TITLE: **EMBUDO HILLS, PHASE I PINNACLE VIEW DRIVE**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	W. P. Plante	1/23/86	W. P. Plante	W. P. Plante	1/23/86
ACE-D	ACE-D	1/23/86	TE	David W. Hammer	1/23/86

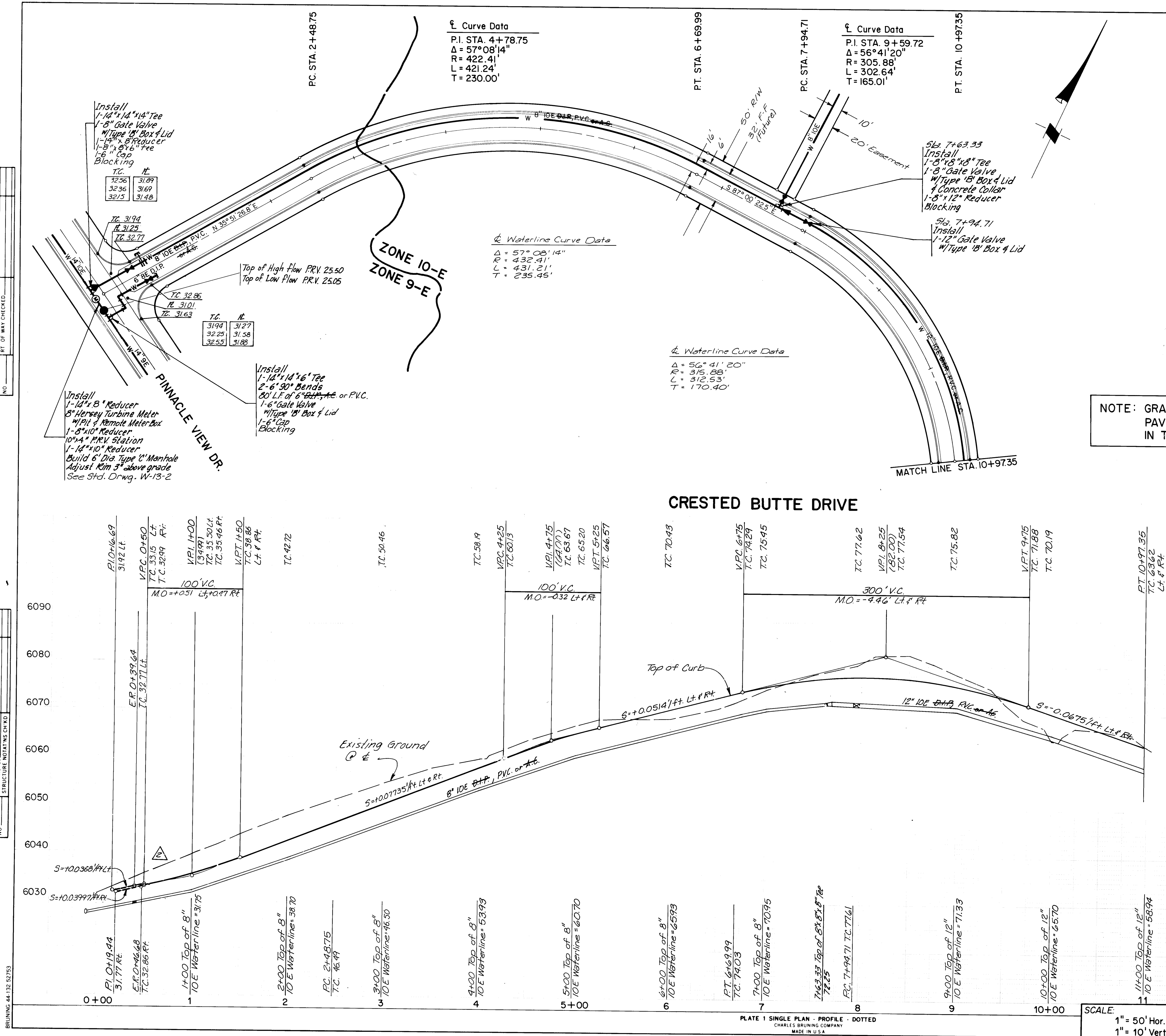
PROJECT NUMBER: 2007

DRAWING NO. SHEET 20 OF 56

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

PLAN	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
BY		
DATE		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
BY		
DATE		



NOTE: GRADING & UTILITY CONSTRUCTION ONLY.
PAVING, CURB & GUTTER ARE NOT INCLUDED
IN THIS CONTRACT.

FHWA Region No.	6
NEW MEXICO	
SHEET NO.	21
TOTAL SHEETS	56

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	REFERENCES	REVISIONS
CONTRACTOR	INDIAN SCHOOL	DATE	MAP NO. J-23	NO.
WORK BY	Rd. and Monte Largo Dr., go south on Monte Largo Dr. 0.1 mile to Belamiah Ave. Turn left, go east on a dirt trail 0.3 mile to the station.	BY	EST. NO.	BY
INSPECTOR	The station mark is a standard ACS brass label stamped "SIN 1978", elevation = 5067.39.	NO.	W.O. NO.	REMARKS
DATE				DESIGN
DATE				DESIGNED BY KLD
DATE				DRAWN BY RAH
DATE				CHECKED BY MDL

PREPARED UNDER THE DIRECTION OF

CITY OF ALBUQUERQUE

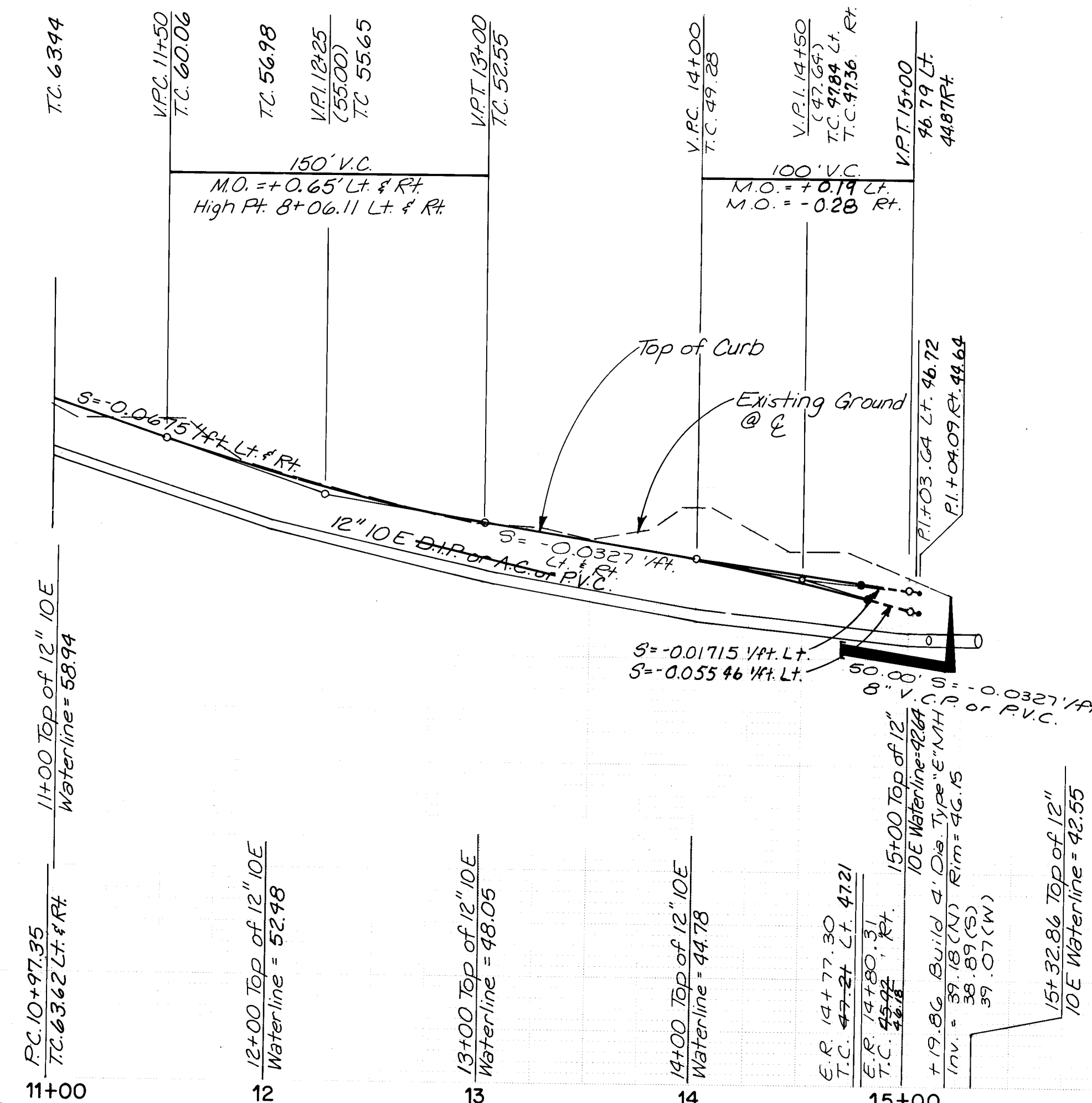
TITLE: EMBUDO HILLS, PHASE I
CRESTED BUTTE DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	ALBANY	11/14/04	ALBANY	11/14/04	11/14/04
ACB-DESIGN	ALBANY	11/14/04	ALBANY	11/14/04	11/14/04

PROJECT NUMBER: 2007

DRAWING NO. SHEET 21 OF 56

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



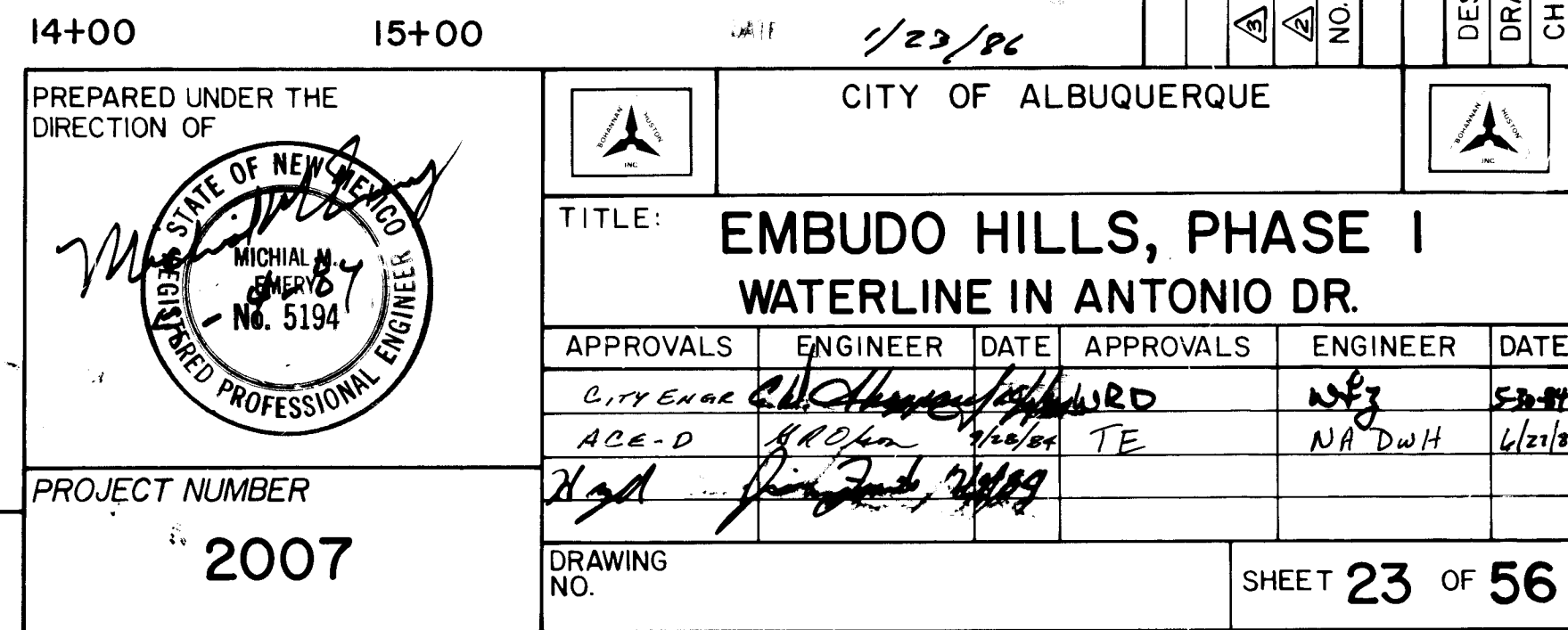
CRESTED BUTTE DRIVE

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

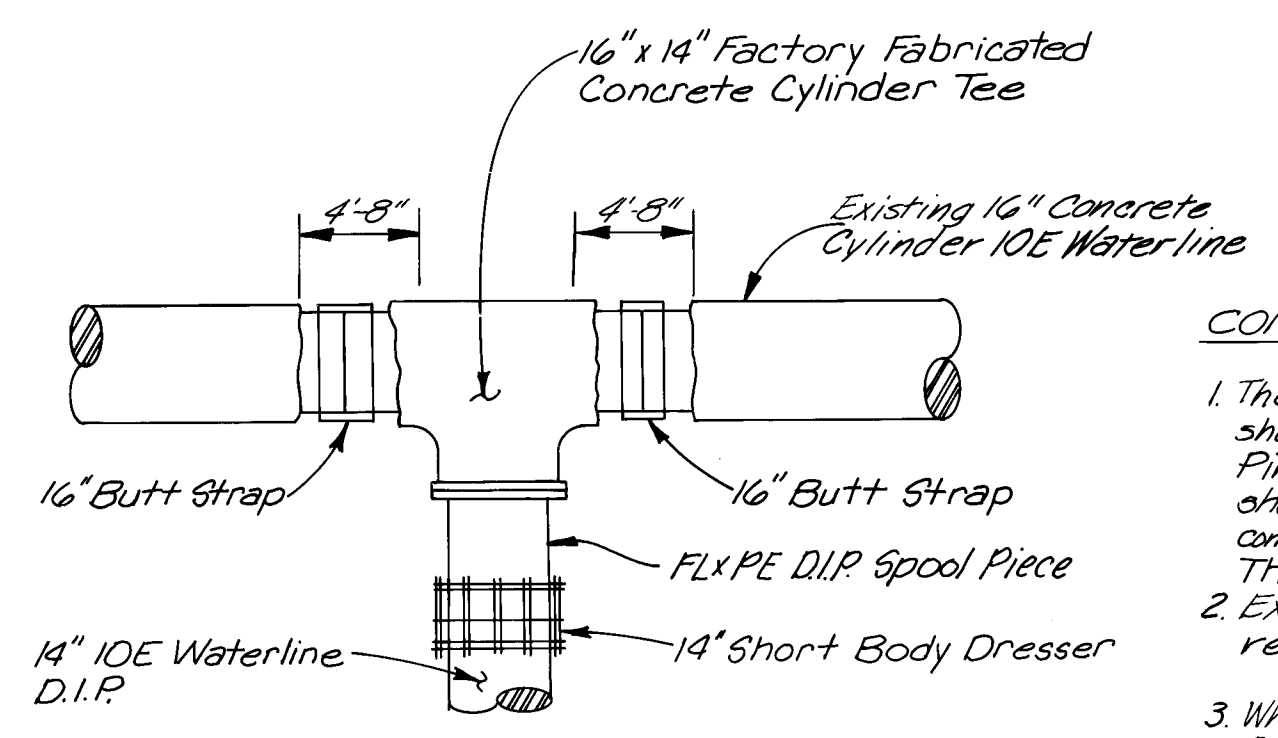
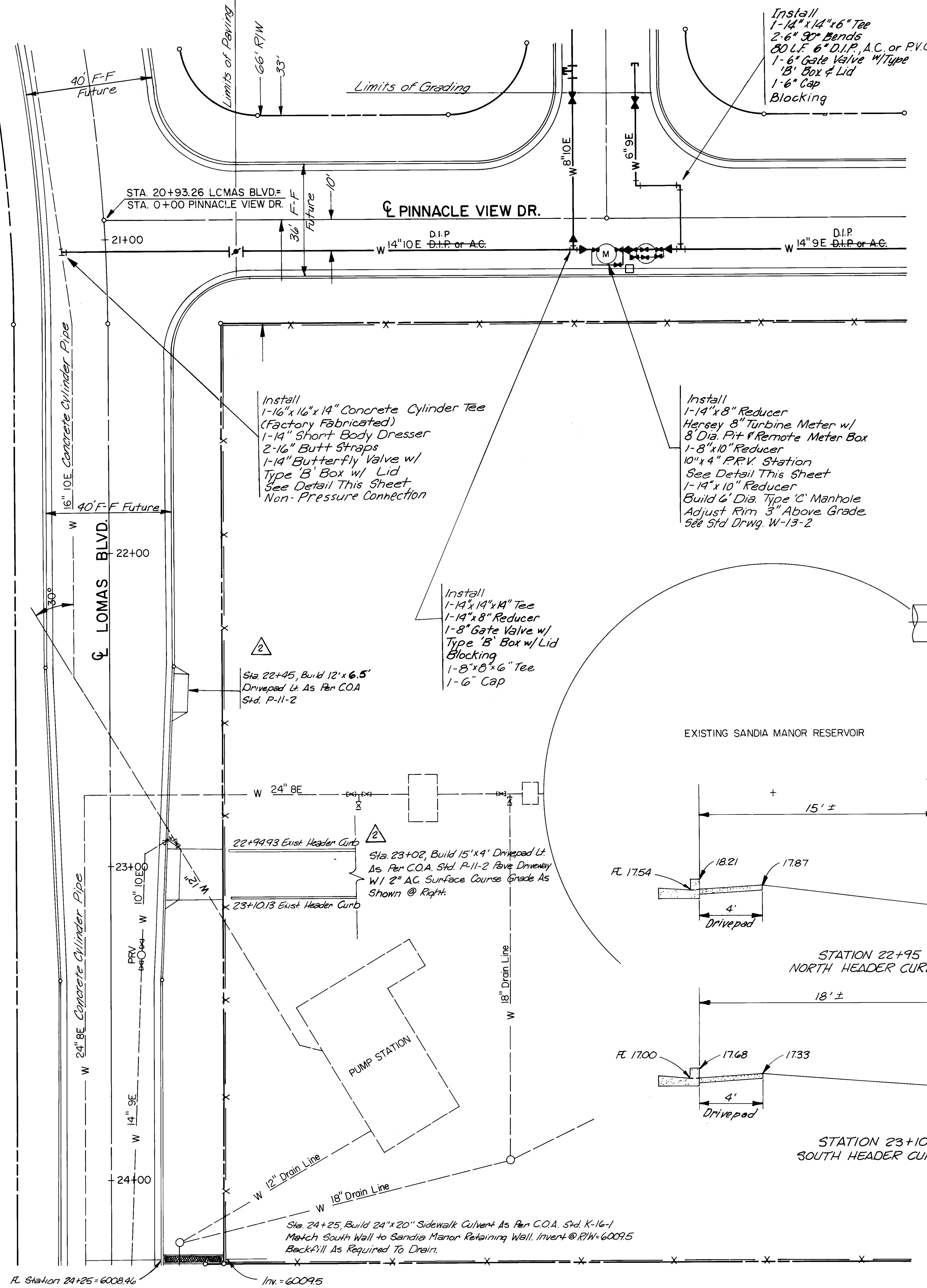
SCALE:
1" = 50' Hor.
1" = 10' Vert.

PREPARED UNDER THE DIRECTION OF 	CITY OF ALBUQUERQUE					
	TITLE: EMBUDO HILLS, PHASE I -CRESTED BUTTE DRIVE					
<i>Michael R. Emery</i> 2-6-84	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	CITY ENGR	<i>C. D. [Signature]</i>	12/1/84	WRD	<i>W. F. [Signature]</i>	5/31/84
	ACC-DESIGN	<i>AR [Signature]</i>	7/6/84	TE	<i>David W. Hamm</i>	6/27/84
PROJECT NUMBER	2007					
DRAWING NO.					SHEET 22 OF 56	

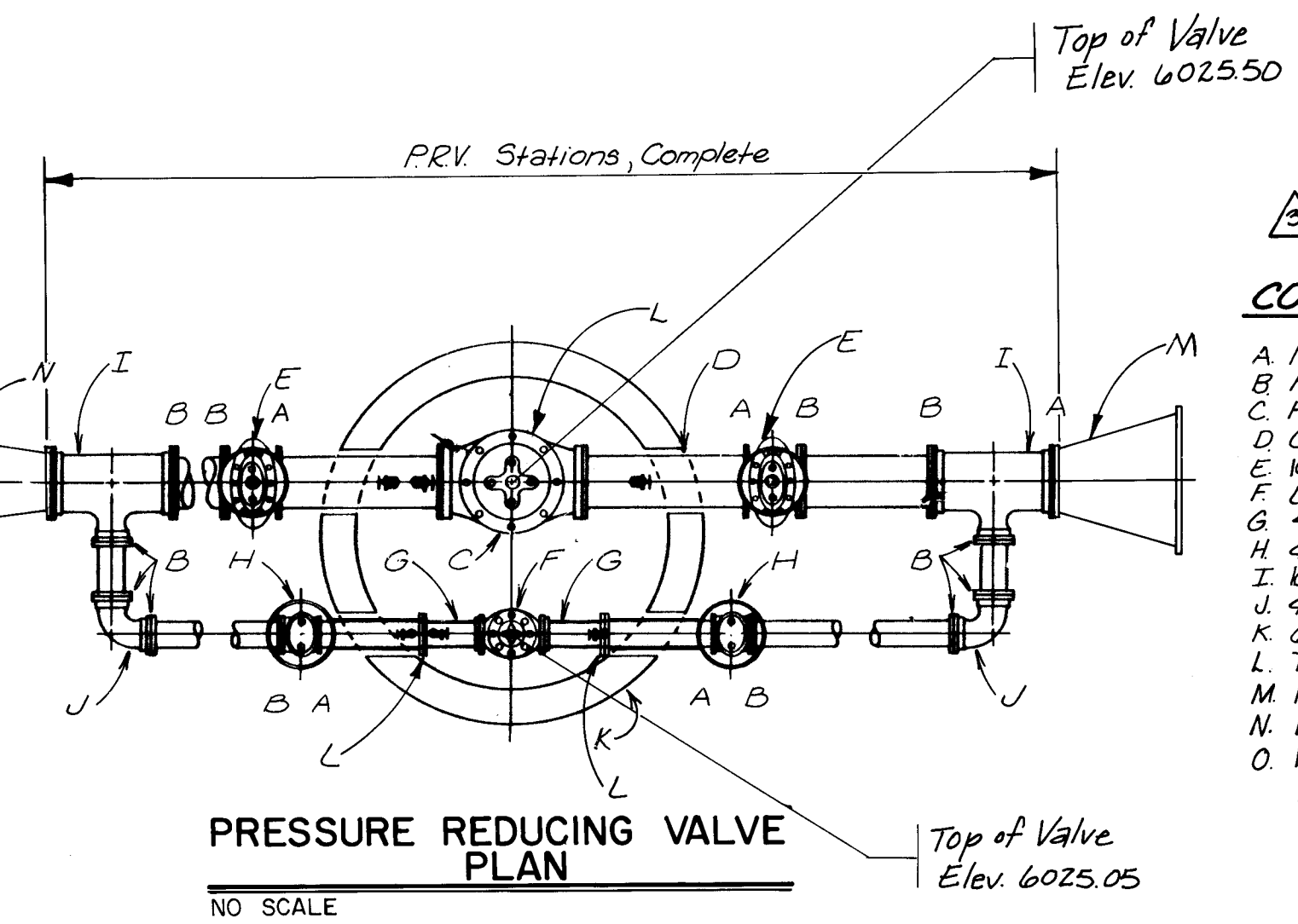
PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B. M. NOTED			
STRUCTURE NOTATIONS CHKD			



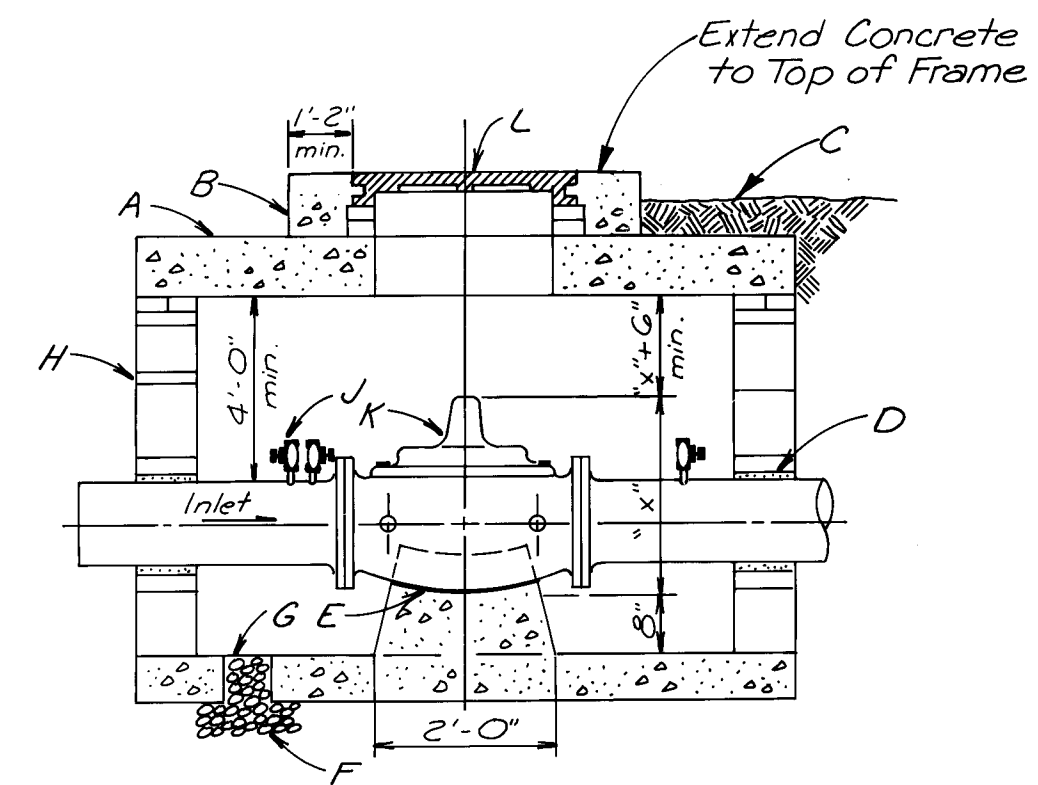
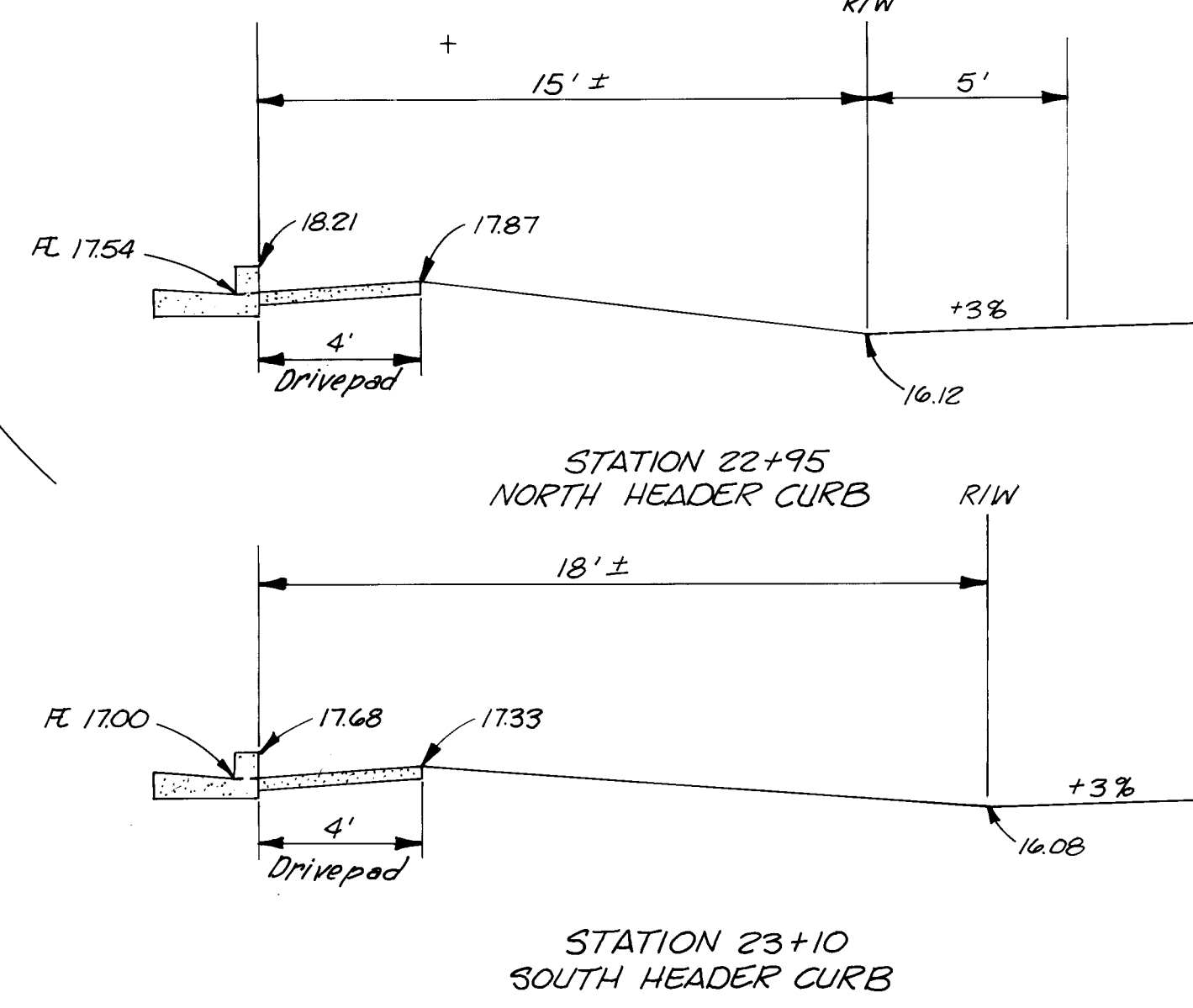
REFERENCES			SURVEY INFORMATION			BENCH MARKS			AS-BUILT INFORMATION		
MAP NO. J-23						To reach the station from the intersection of Indian School Rd. and Monte Largo Dr., go south on Monte Largo Dr. 0.1 mile to Bellamah Ave. Turn left, go east on a dirt trail 0.3 mile to the station.					
EST. NO.			W.O. NO.			NO.			DATE		
	12/84	Upgraded Pav	KLD								
	11/84	Revised Grades / Added Driveways	KLD								
NO.			DATE			REMARKS			BY		
REVISIONS											
DESIGN											
DESIGNED BY KLD			DATE 1/84								
DRAWN BY RAH			DATE 1/84								
CHECKED BY MDL			DATE 1/84								
						The station mark is a standard ACS brass (billet) stamped "SIN 1978", elevation = 6067.39.					
						DRAWINGS CONNECTED BY					
						DATE					
						RECORDED BY					
						DATE					
						NO.					



- CONSTRUCTION NOTES**
- The Contractor shall make arrangements for a water shut-off permit with the Water Division at 5501 Pinar Rd. N.E., 766-7100. The water shut-off permit shall be approved and the pre-trial water shut-off completed before tapping the concrete cylinder pipe. This shall be a night shutdown only.
 - Extra precaution shall be exercised when the reinforced bars and concrete are removed.
 - When the connection is completed, the Water Systems Division will make the water shut-off on the line. The Contractor shall grout with a nonshrink, quick-set mortar or with Belzona quartz material.
 - The outside of the 16 inch concrete cylinder pipe, where the reinforced concrete is removed, shall be grouted or protected with Bitumastic 50 and with magnesium anodes.



- CONSTRUCTION NOTES**
- M.V.
 - FL
 - High Flow 10 inch PRV (FL-FL) w/ Stainless Steel Pilot Systems.
 - Grout Between All Pipes and Walls.
 - 10 inch Gate Valve with Type B Valve Box and Lid.
 - Low Flow 4 inch PRV (FL-FL) w/ Stainless Steel Pilot Systems.
 - 4 inch Galvanized Steel Connecting Pieces.
 - 4 inch Gate Valve with Type B Box and Lid.
 - 10 inch x 4 inch Tee
 - 4 inch 90 degree Bend
 - 6 inch Dia. Type C Manhole per City Dwg. 51-3.
 - The Water Systems Division (766-7100) shall inspect and adjust the PRV.
 - 1-14 inch 10 inch Reducer
 - 1-8 inch 10 inch Reducer
 - 1-8 inch Tee for Meter Bypass, See City Std. W-13-2 for Typical Meter Installation.



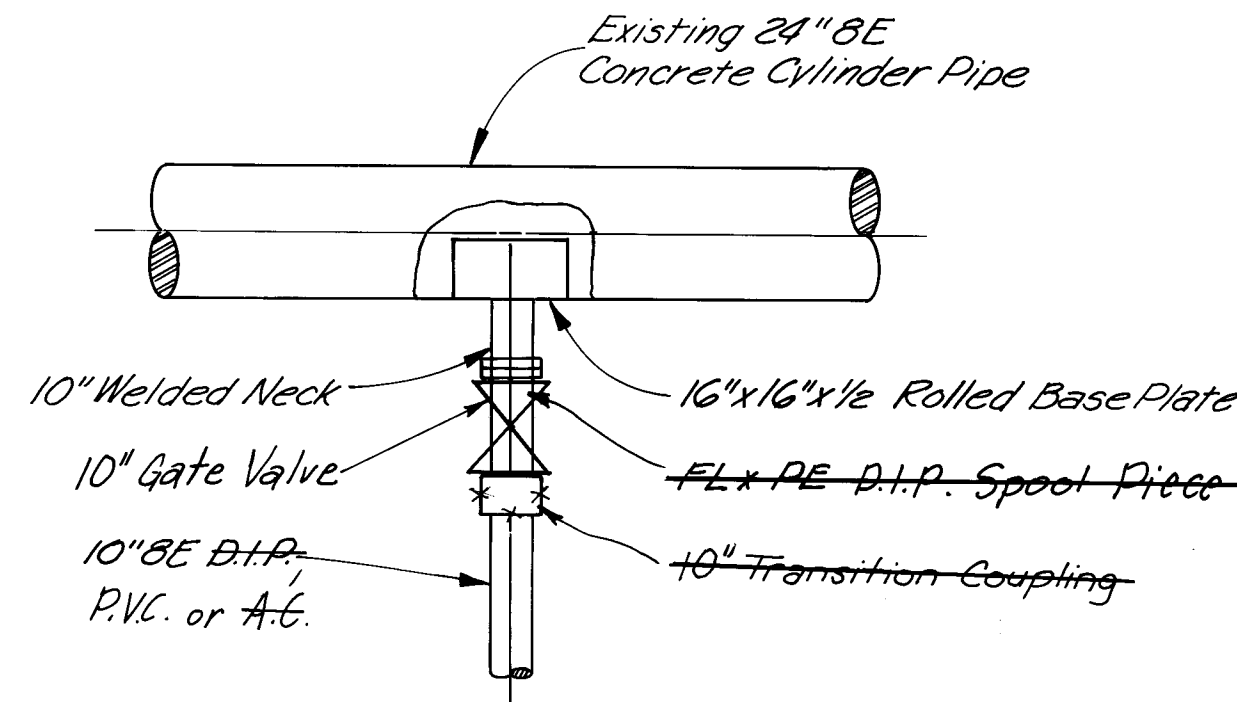
- CONSTRUCTION NOTES**
- Precast Concrete M.H. Cover, See City Dwg. 5-3 For Details.
 - Concrete Collar.
 - Place Manhole Rim 3 inch Above Grade.
 - Grout Between Pipes and Walls.
 - Wrap Bottom of PRV with 30 Lb. Felt.
 - One half Cu. Yd. Coarse Stone (approx. 3' x 3' x 1.5').
 - 6 inch Square Floor Drain.
 - 2 inch Sleeve For Conduit.
 - 3/4 inch Air Relief Valves.
 - PRV (FL-FL).
 - NEENAH R1740-D2 M.H. Frame and Cover with "WATER" Stamped On Lid.

26 20072486

PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE		
TITLE: EMBUDO HILLS, PHASE I PRESSURE REDUCER VALVE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	W. J. WARD	1/23/86	W. J. WARD	W. J. WARD	1/23/86
ACE-D	ACE-D	1/23/86	TE	NA DWH	1/23/86
PROJECT NUMBER 2007			DRAWING NO. 24 OF 56		

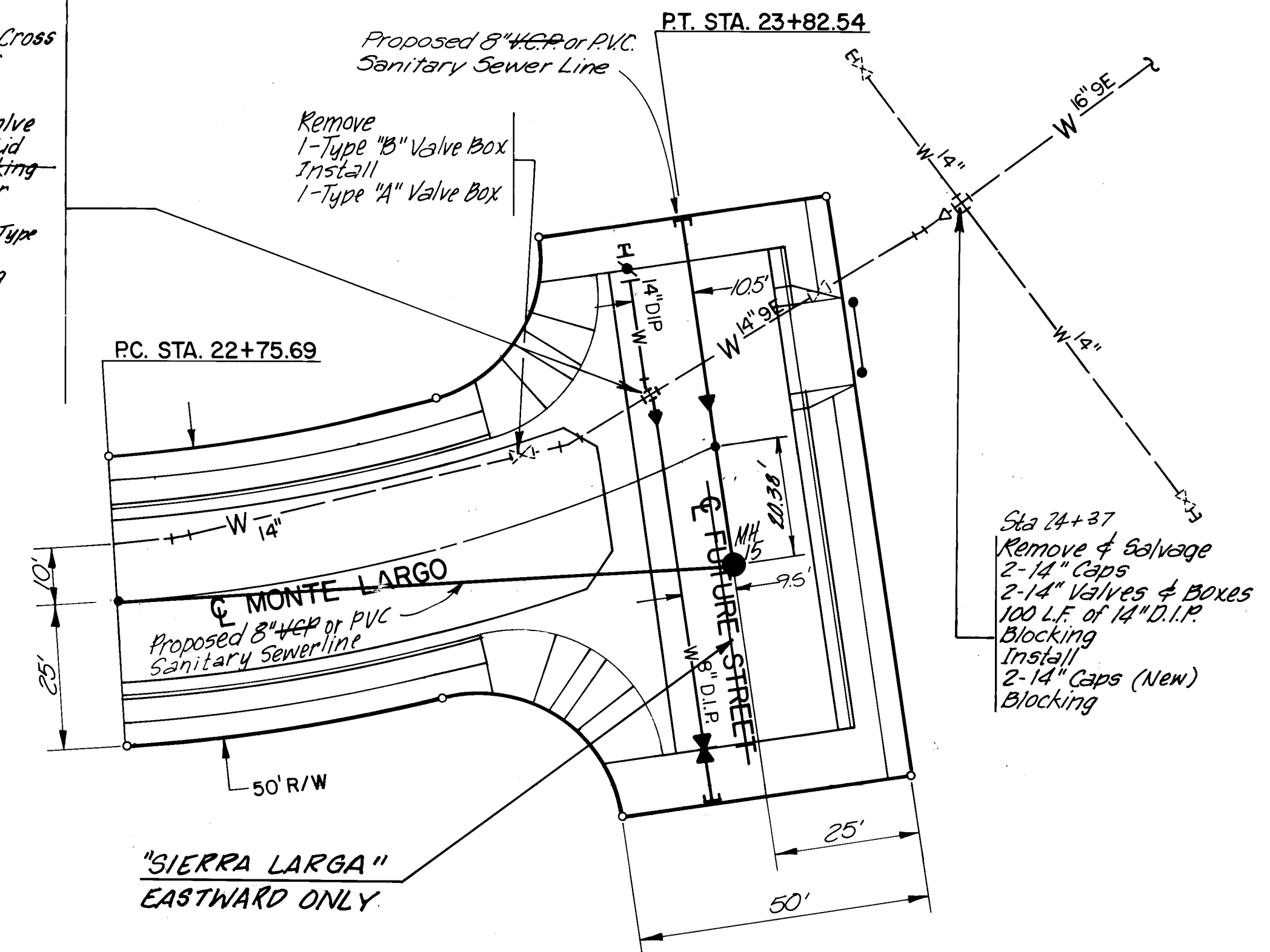
CONSTRUCTION NOTES FOR 10" 8E TAP

- The Contractor shall make arrangements for a water shut-off permit with the Water Division at 5501 Pino Rd. N.E., 766-7100. The water shut-off permit shall be approved and the pre-trial water shut-off completed before tapping the concrete cylinder pipe. This shall be a night shut-down only.
- Extra precaution shall be exercised when the reinforced bars and concrete are removed.
- The Contractor shall weld a 10 inch welded neck directly on the steel cylinder of the concrete cylinder pipe. The base plate shall be at least 16 inches (width) x 16 inches (length) x 1/2 inch (thickness). Base plate shall be rolled to conform to the shape of the existing pipe.
- Install a 10 inch valve and make a direct pressurized tap on the concrete cylinder pipe.
- When the tap is completed, the Water Systems Division will make the water shut-off on the line and inspect the inside of the concrete cylinder pipe. The Contractor shall grout with a nonsinking, quick-set mortar or Belzona quartz material.
- The outside of the 24 inch concrete cylinder pipe, where the reinforced concrete is removed, shall be grouted or protected with Bitumatic 50 and with magnesium anodes. Location of anodes is to be coordinated with the Water Systems Division.



10" 8E TAP CONNECTION DETAILS
NO SCALE

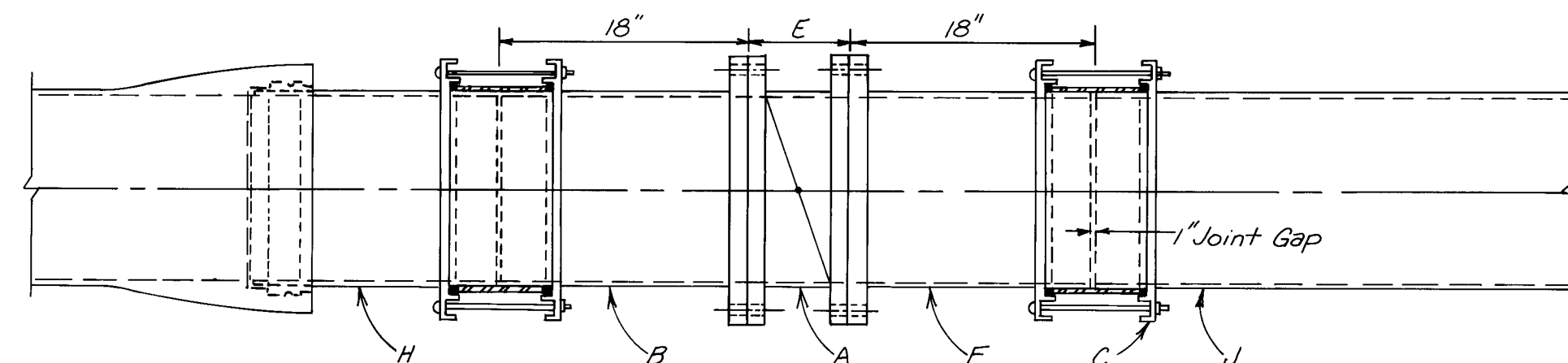
Sta. 23+72
Install
1-14" x 14" x 14" x 14" Cross
2-14" x 14" Bends
W/Blocking
30 LF of 14" D.I.P.
1-14" Butterfly Valve
W/Type A Box & Lid
1-14" Cap W/Blocking
1-14" x 8" Reducer
70 LF of 8" D.I.P.
1-8" Gate Valve W/Type
A Box & Lid
1-8" Cap W/Blocking



14" 9E WATERLINE STUBS RELOCATION
SCALE 1" = 20'

NOTES:

- Flange Butterfly Valve
- Pipe Spool, Flange to Plain End
- D.I.P. Class 53
- Steel Coupling - Length Minimum 9", Maximum 12"
- Ductile Iron Pipe - FL-PE
- 8" Laying Length for 14" or 16" Butterfly Valve
- 14" D.I.P. Wall Thickness Min. 0.42"
16" D.I.P. Wall Thickness Min. 0.43"
- Wrap All Ferrous Material Excluding The Valve AWWA Specs. C-209-6
- 18" Minimum Pipe Spool, Plain End to Plain End.
- Full Joint



BUTTERFLY VALVE INSTALLATION DETAIL
(DUCTILE IRON PIPE)

SCALE:
1" = 20'

PREPARED UNDER THE
DIRECTION OF

PROJECT NUMBER

2007

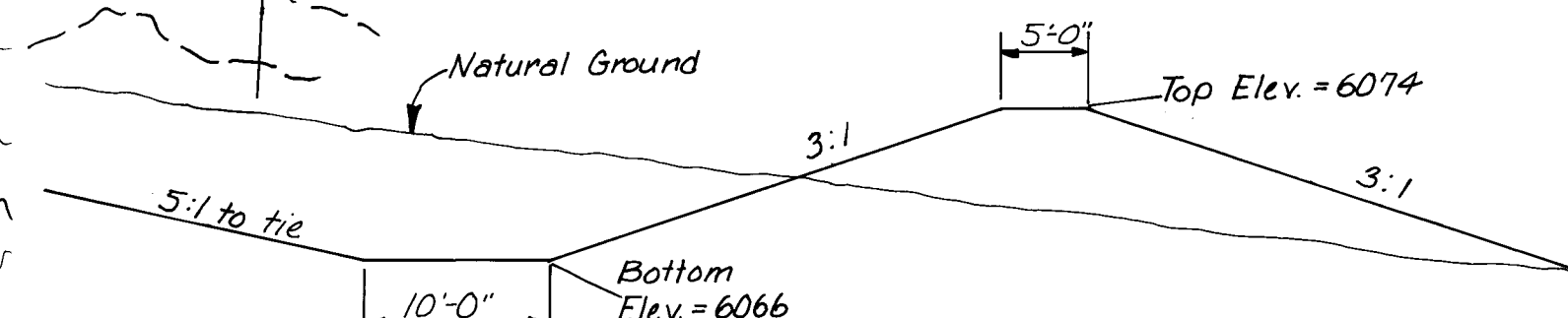
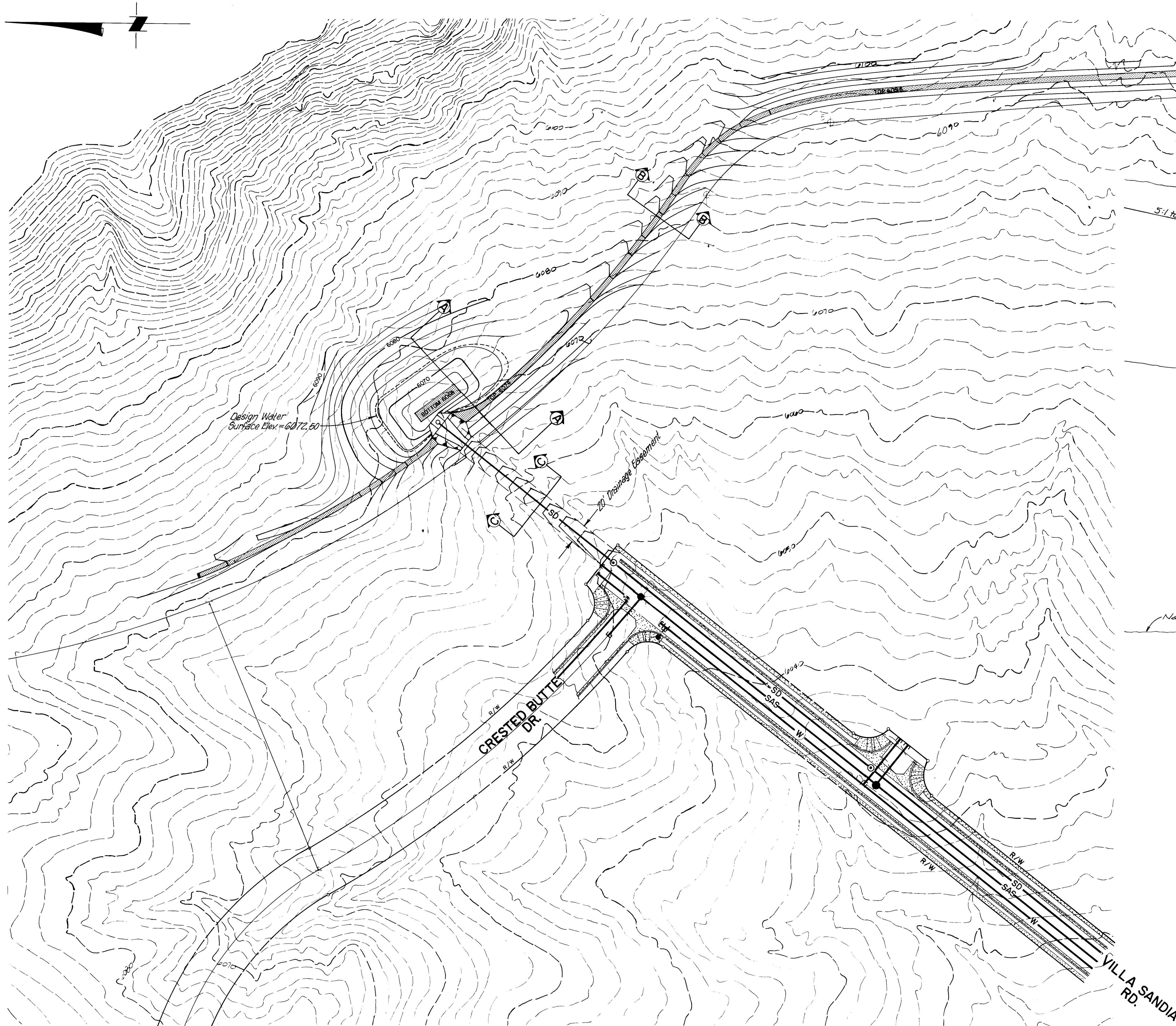
CITY OF ALBUQUERQUE

TITLE: EMBUDO HILLS, PHASE I
MONTE LARGO INTERSECTION DETAILS

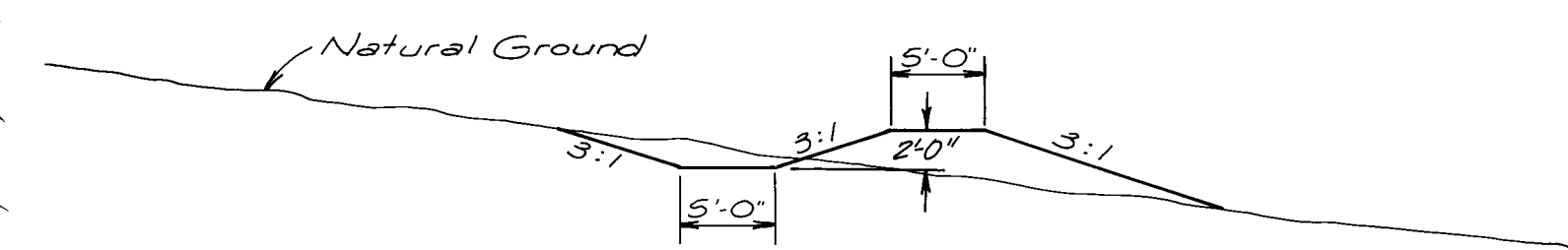
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	W. J. WARD	5/20/84	W. J. WARD	5/20/84	5/20/84
ACE-D	NA	6/22/84	NA	6/22/84	6/22/84

DRAWING
NO.

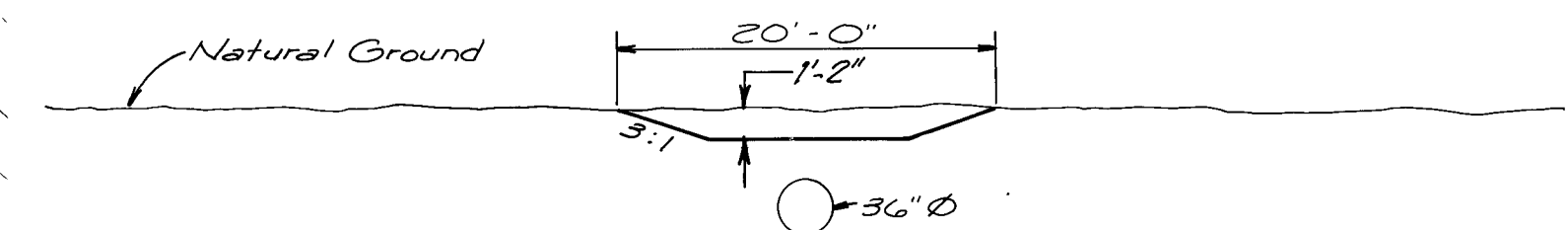
SHEET 25 OF 56



SECTION A-A THROUGH DETENTION BERM
SCALE: 1"=10'



SECTION B-B THROUGH CONTOUR BERM
SCALE: 1"=10'



SECTION C-C THROUGH RUNDOWN
SCALE: 1"=10'

FHWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6			

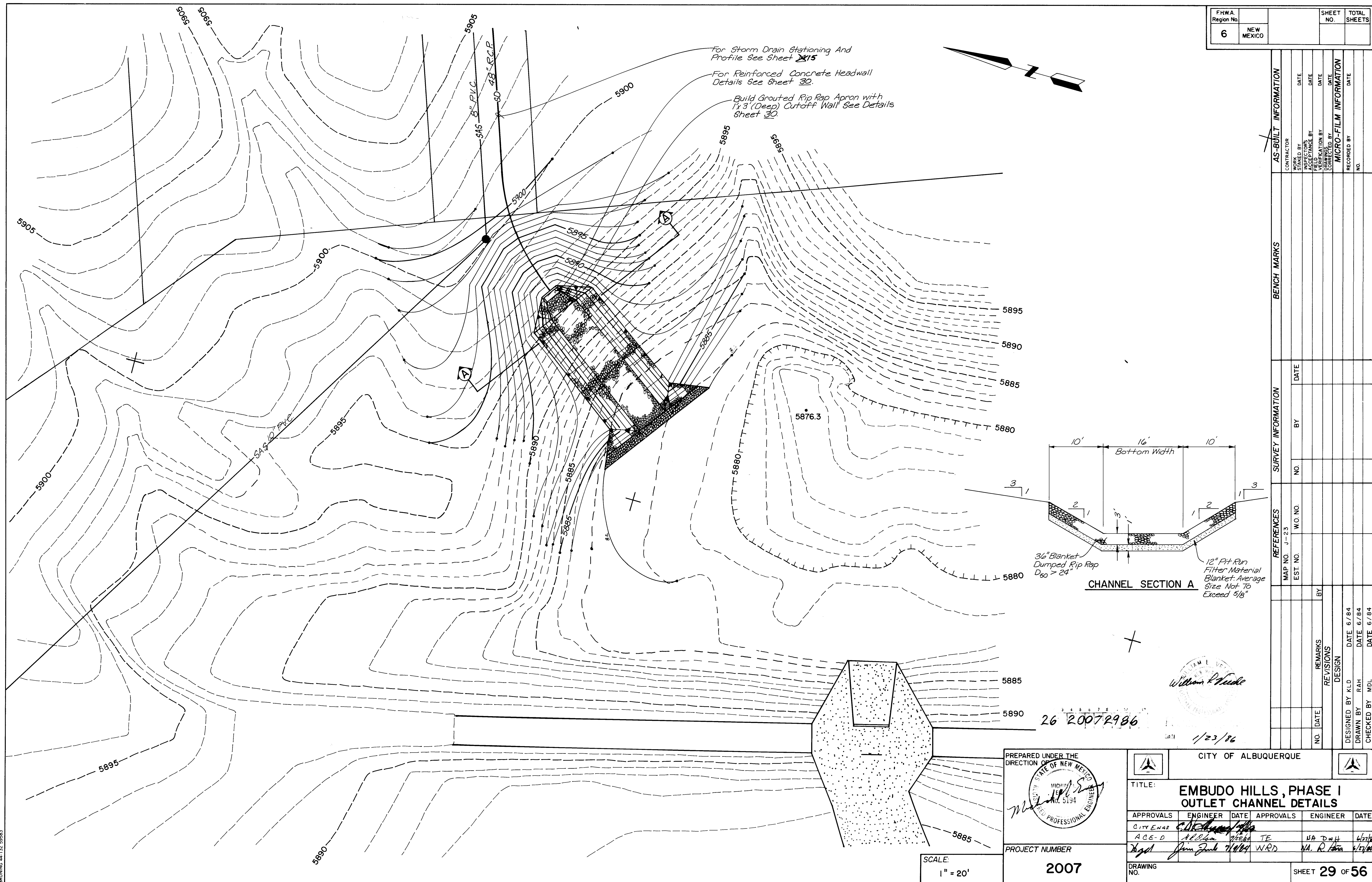
AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS			
CONTRACTOR	DATE	WORK STARTED BY	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY	DATE	NO.	BY	NO.	BY	DATE	NO.	BY	DATE	NO.
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

26 20072686

1/23/84

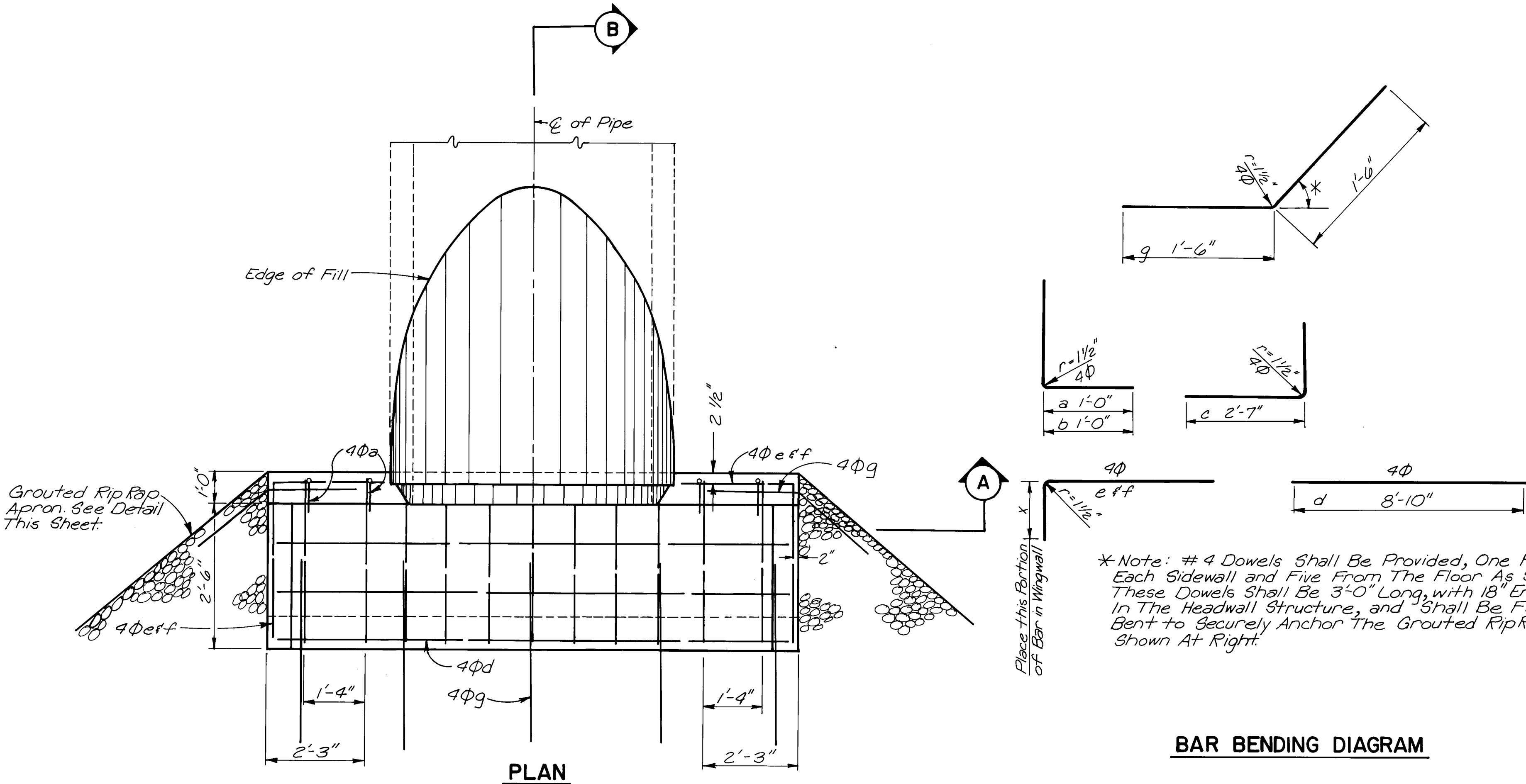
PREPARED UNDER THE DIRECTION OF	CITY OF ALBUQUERQUE				
<i>Michael M. Eary</i> 2-6-84	TITLE: EMBUDO HILLS, PHASE I STORM SEWER DETAILS				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	<i>C. M. Eary</i>	1/16/84	TE	<i>NA</i>	5-28-84
ACE-D	<i>A. R. Eary</i>	1/16/84	TE	<i>NA</i>	6/27/84
<i>NA</i>	<i>NA</i>	7/18/84			
PROJECT NUMBER	2007	DRAWING NO.		SHEET	26 OF 56

SCALE:
1" = 50'

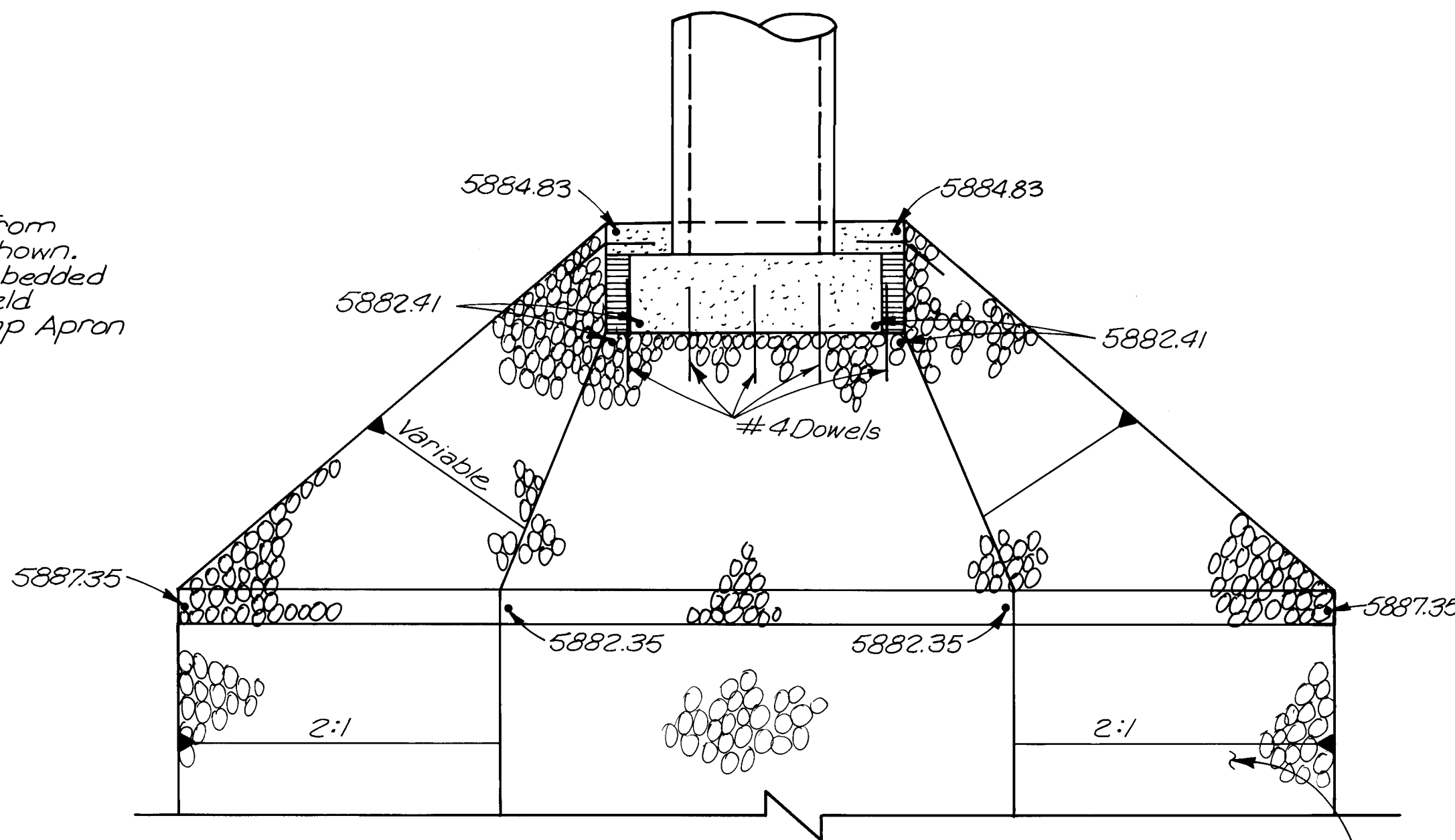


GENERAL NOTES:

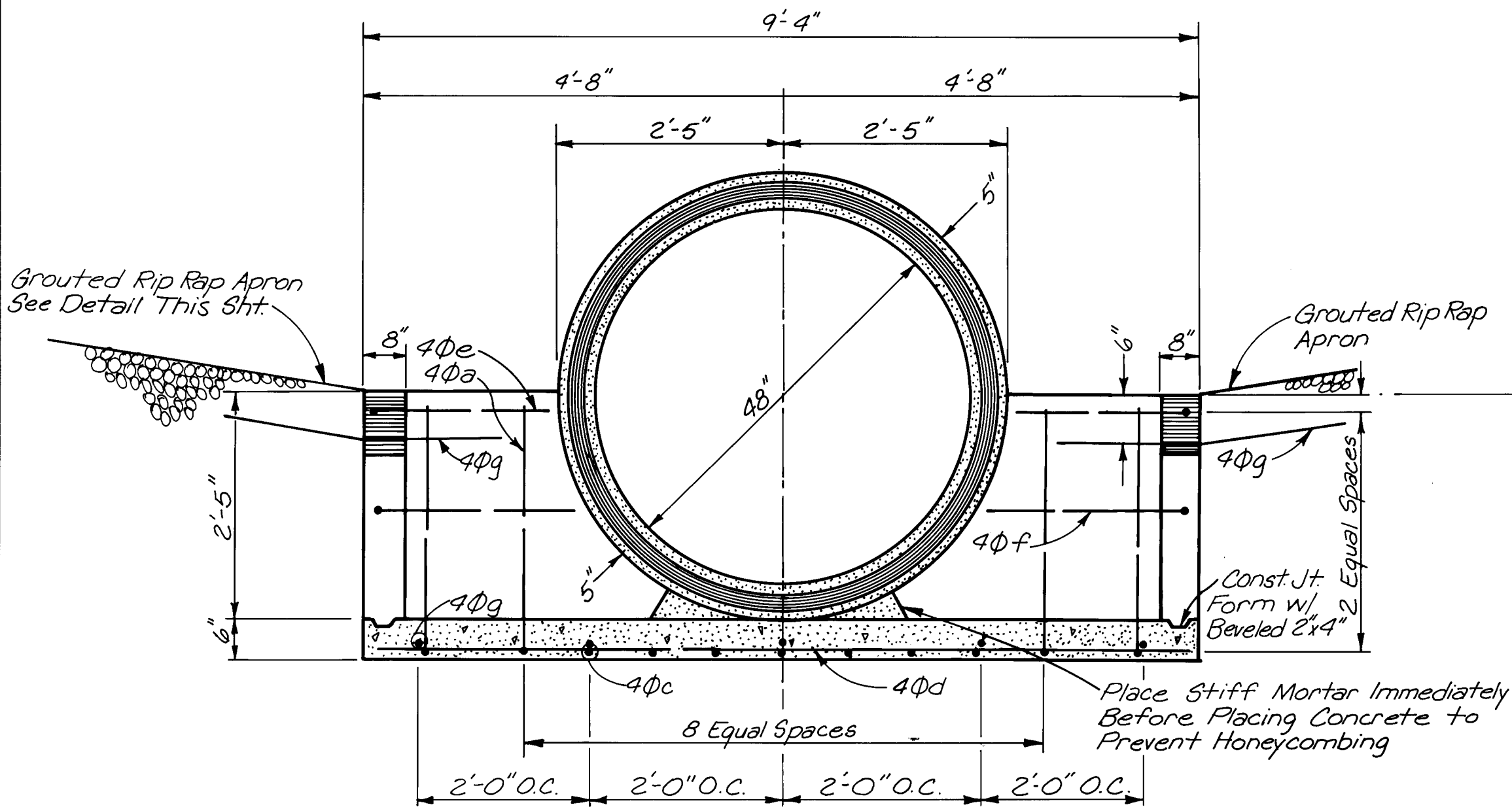
- Materials and Workmanship to Conform to N.M.S.H. Commission Specifications.
- Design Based on a Minimum Concrete Compressive Strength of 3000 pounds per Sq. Inch at 28 Days. Chamfer all Exposed Edges 3/4".
- Place 3 d-Bars in Cut-Off-Wall and 2 d-Bars Under Backwall. Additional d-Bars are Placed in Apron Slab at 18" O.C.
- Forms Shall Be Placed on the Outside Edge of the Cut-Off-Wall. Forms on the Inside Edge of the Cut-Off-Wall will Not be Required. Pay Quantities are to Be Based on Dimensions as Shown.



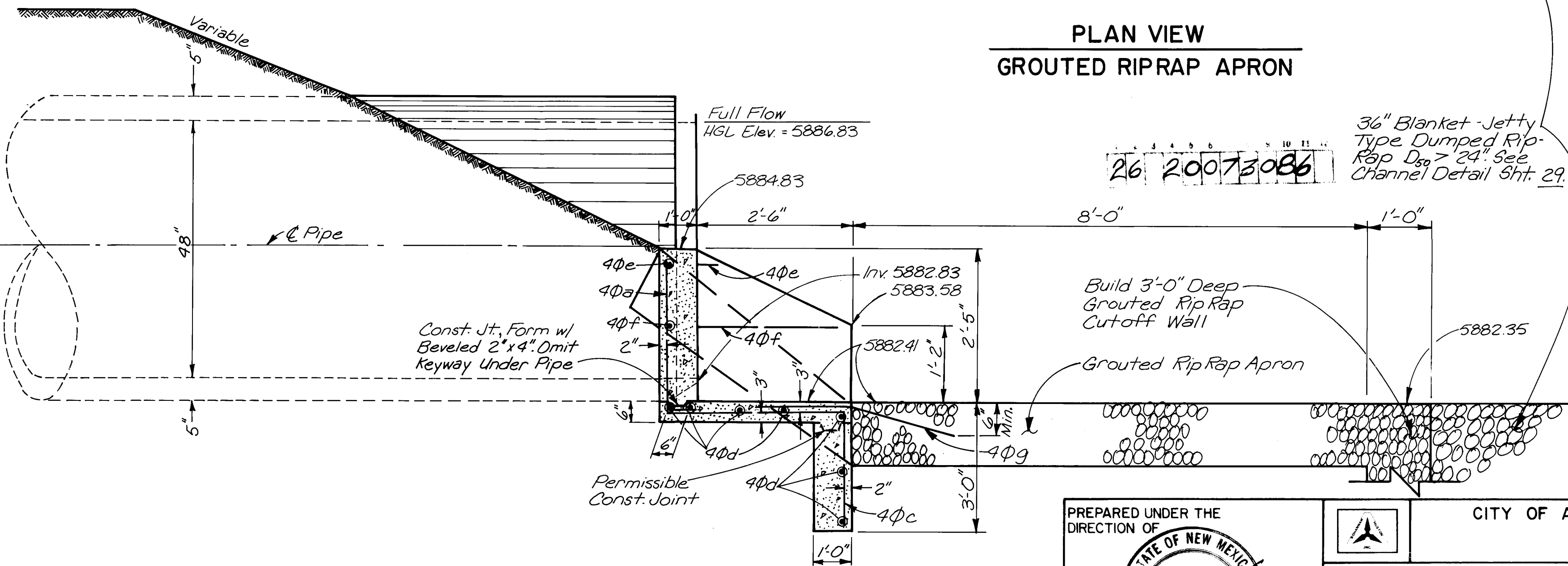
BAR BENDING DIAGRAM



PLAN VIEW
GROUTED RIPRAP APRON

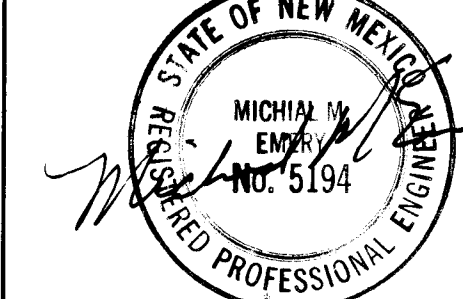


SECTION A-A



SECTION B-B

PREPARED UNDER THE
DIRECTION OF



PROJECT NUMBER

2007

SCALE:
NO SCALE

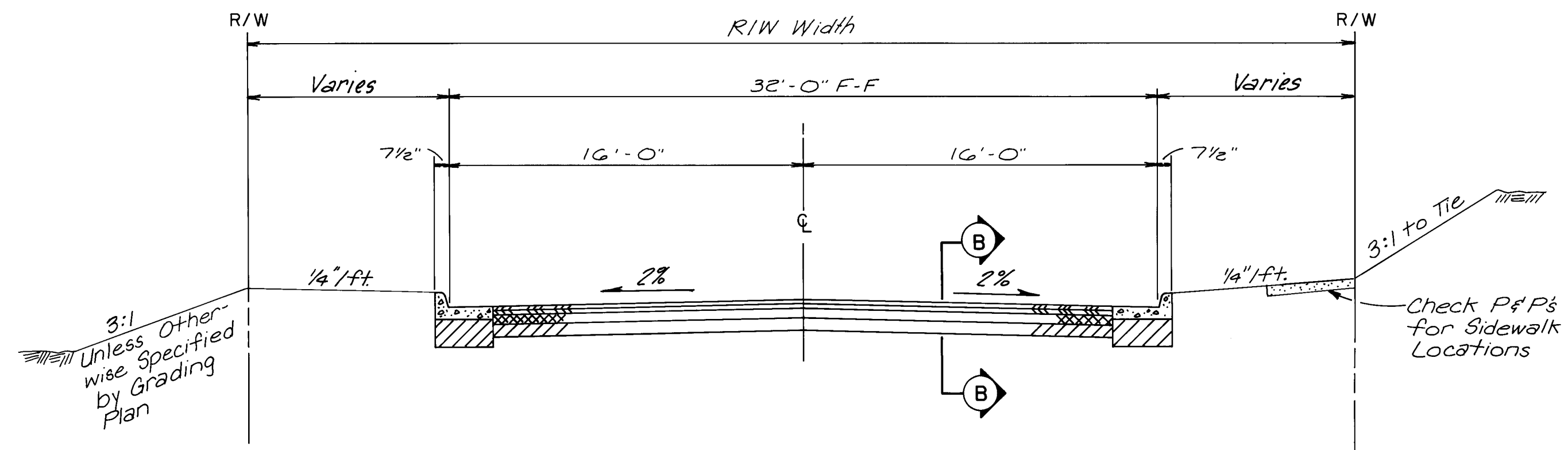
CITY OF ALBUQUERQUE

TITLE: EMBUDO HILLS, PHASE I
STORM DRAIN OUTLET STRUCTURE

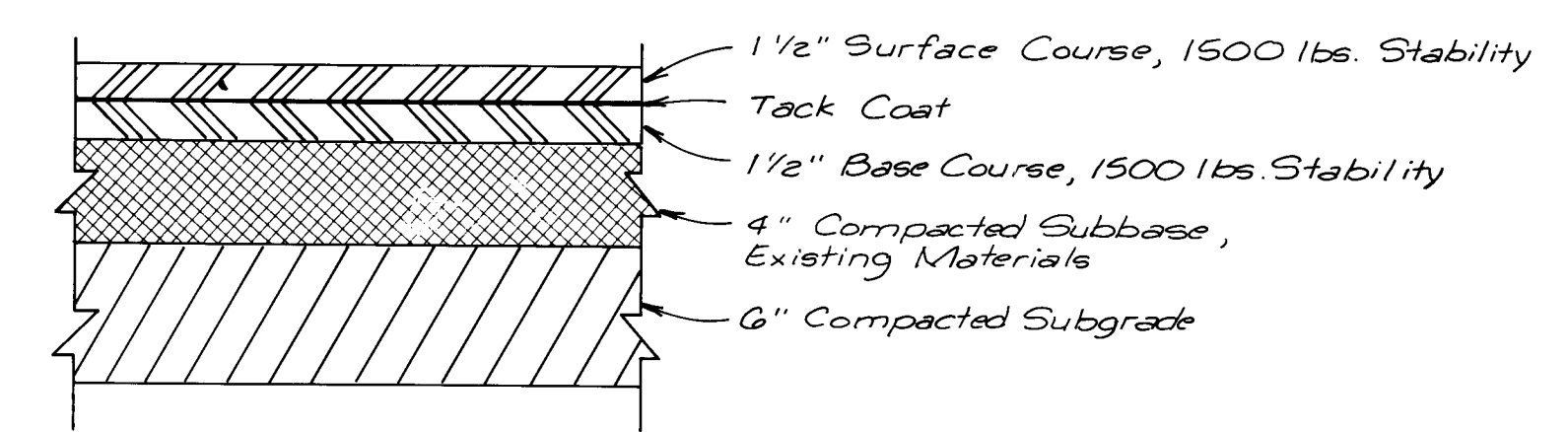
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	Michael J. Pineda	6/21/84	TE	NA R. Pineda	6/21/84
ACE-D	Michael J. Pineda	6/21/84	WRD	NA R. Pineda	6/21/84

DRAWING
NO.

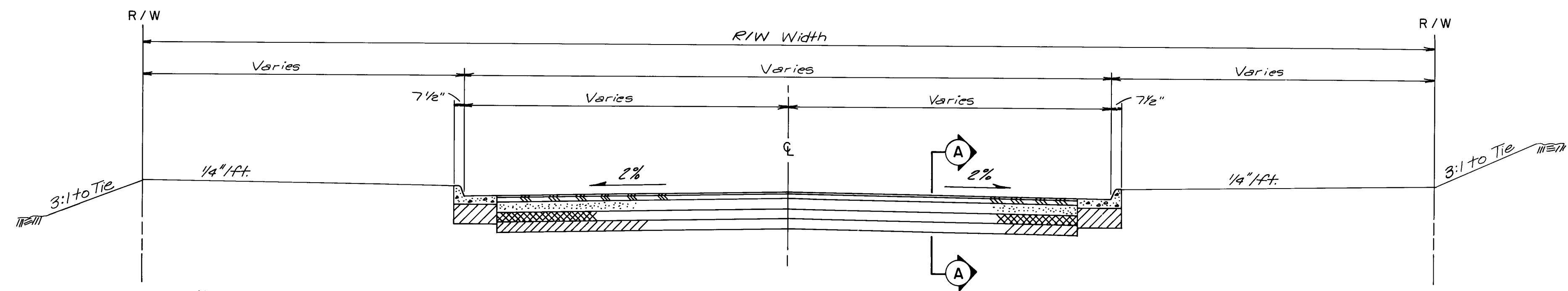
SHEET 30 OF 56



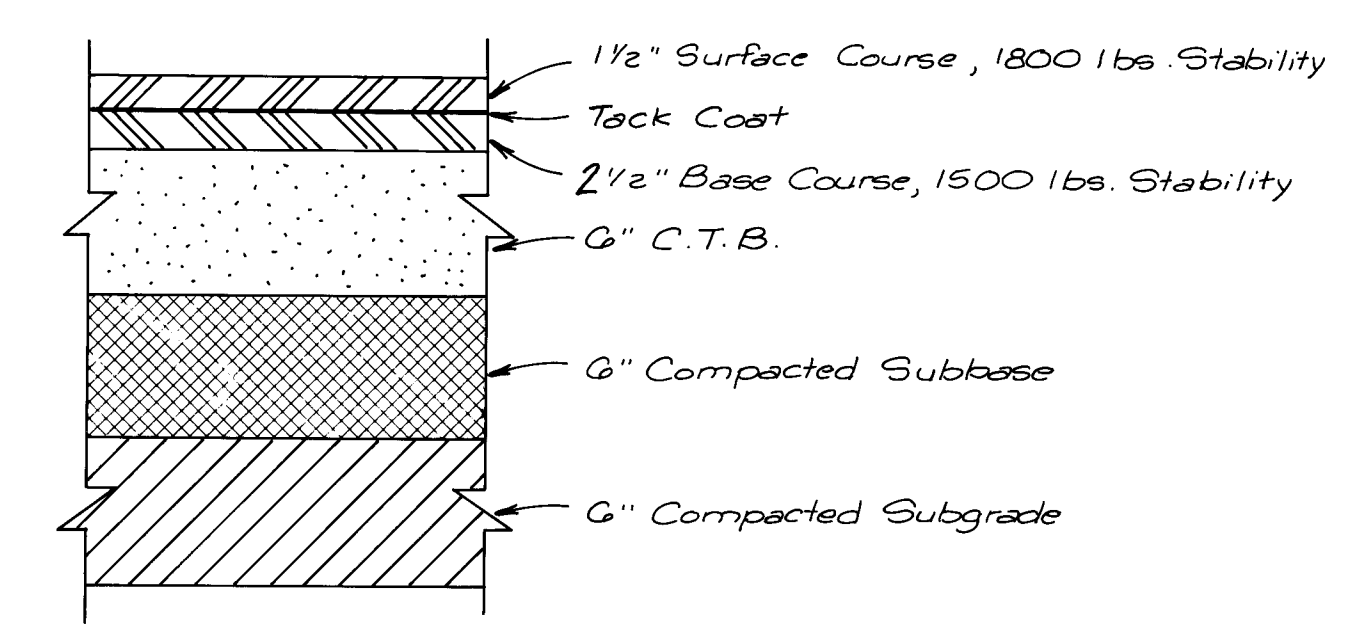
TYPICAL 50' & 60' R/W SECTION
NO SCALE



SECTION B-B

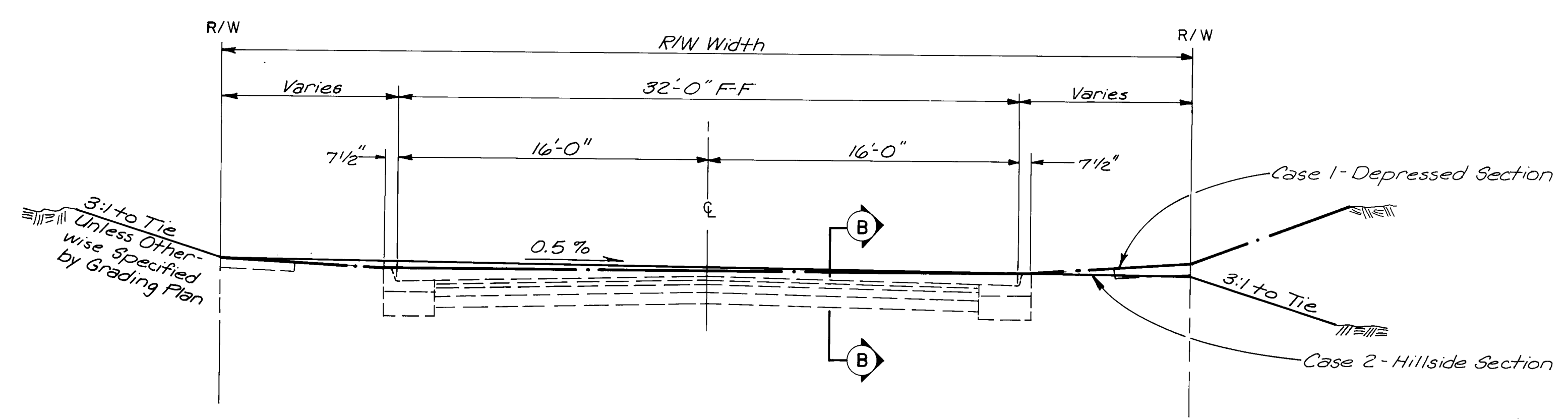


TYPICAL 68' & 72' R/W SECTION
NO SCALE

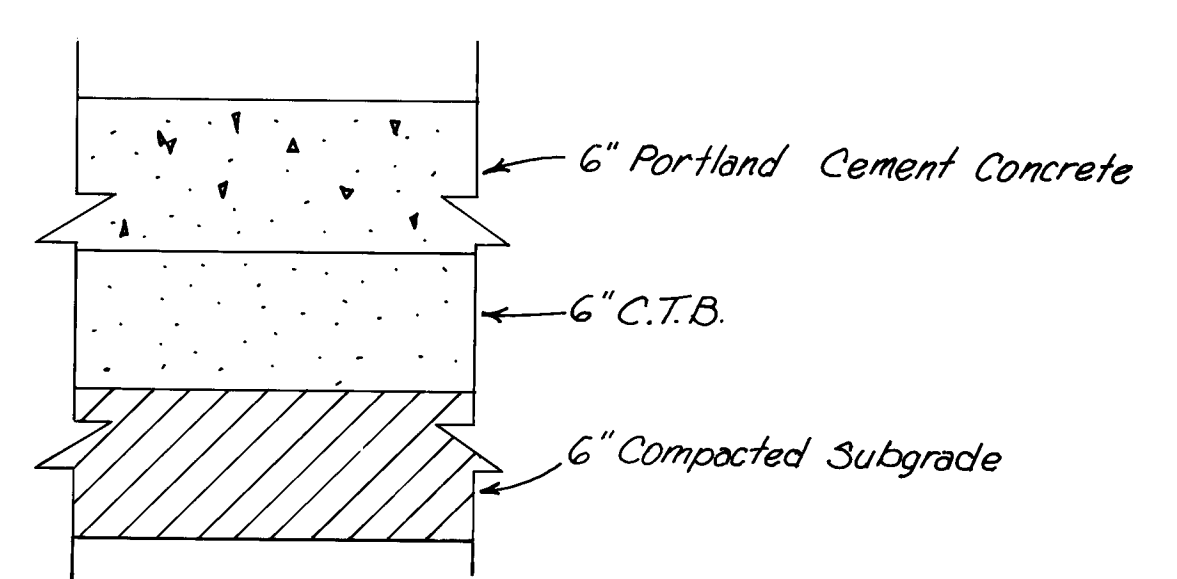


SECTION A-A

Earthwork Note:
Some Offsite Grading Will Be
Performed as Specified on
the Grading Plan. Tie Slopes
Shown on Typical Sections Shall
Apply in Those Areas Not
Covered by the Grading Plan.



TYPICAL SECTION FOR UNPAVED, GRADED STREETS
NO SCALE



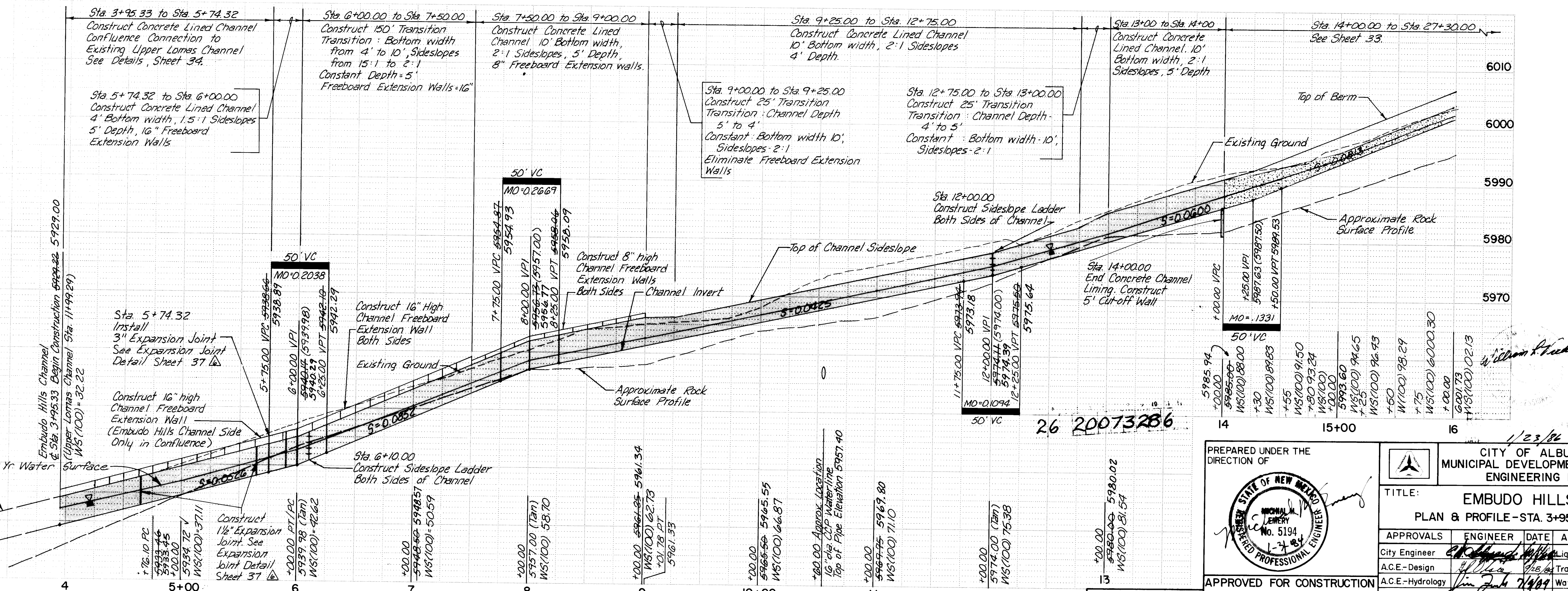
**CONCRETE PAVEMENT FOR
DIP SECTION (MONTE LARGO)**

26 20073086

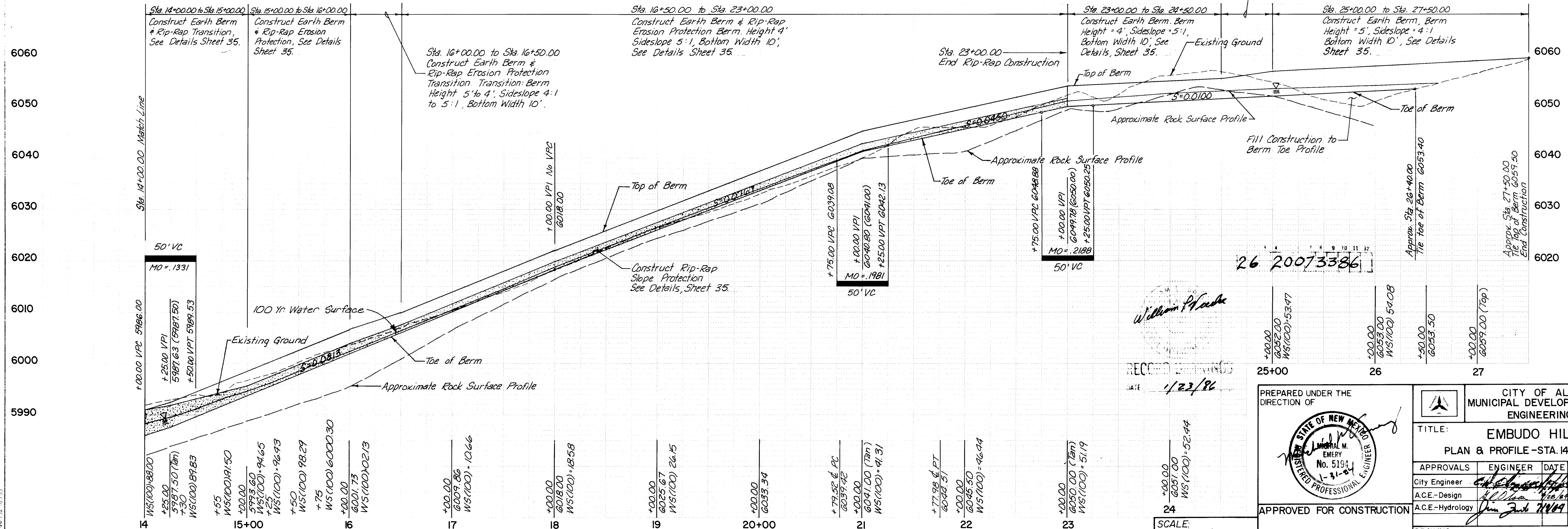
William P. Hinkle
1/23/86

PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE		
TITLE: EMBUDO HILLS, PHASE I TYPICAL SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	<i>[Signature]</i>	1/23/86	TE	<i>[Signature]</i>	1/23/86
ACE-D	<i>[Signature]</i>	1/23/86	TE	<i>[Signature]</i>	1/23/86
PROJECT NUMBER 2007			DRAWING NO.		
SCALE:			SHEET 31 OF 56		

PROFILE		BY	DATE
	SURVEYED _____		
	PLOTTED _____		
	GRADES CHECKED _____		
	B. M.'S. NOTED _____		
	STRUCTURE NOTATIONS CH'KD _____		

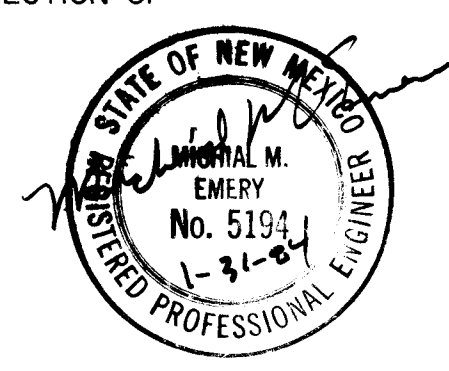


AS-BUILT INFORMATION CONTRACTOR INSPECTOR'S FIELD VERIFICATION BY DATE BENCH MARKS To reach the station from the intersection of Indian School Rd. and Monte Largo Dr., go south on Monte Largo Dr. 0.1 mile to Bellamah Ave. Turn left, go east on a dirt trail 0.3 mile to the station. The station mark is a standard ACS brass tablet stamped "SIN 1978", elevation = 6067.39.									
SURVEY INFORMATION MAP NO. J-7-23 EST. NO. NO. BY DATE REFERENCES 1/85 Revised Channel Details REMARKS DESIGN DESIGNED BY RPB DATE 1/84 DRAWN BY PE DATE 1/84 CHECKED BY RPB DATE 1/84									
UERQUE IT DEPARTMENT VISION 									
CHANNEL 33 TO STA. 14+00.00									
APPROVALS Waste c NA DWH NA DWH NA DWH ENGINEER NA DWH NA DWH NA DWH DATE 5/30/84 6/27/84 5/30/84									
SHEET 32 OF 56									



SCALE:
1" = 50' HOR.
1" = 10' VERT.

PREPARED UNDER THE
DIRECTION OF



CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EMBUDO HILLS CHANNEL

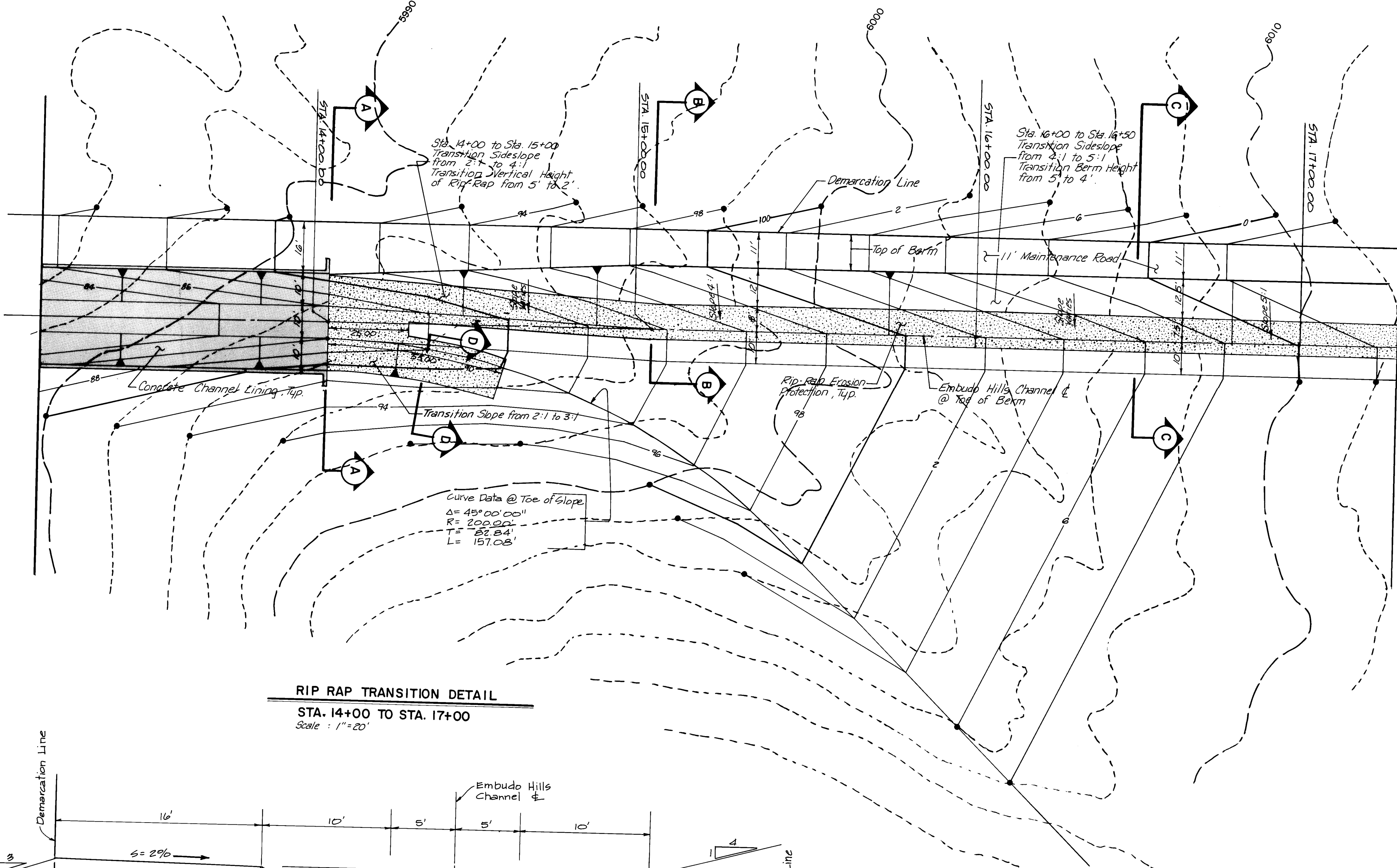
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	<i>1/10/04</i>	Liquid Waste	NA WLF	5/30/04
A.C.E.-Design	<i>[Signature]</i>	<i>1/10/04</i>	Traffic	NA DWL	6/22/04
A.C.E.-Hydrology	<i>[Signature]</i>	<i>7/10/04</i>	Water	NA WLF	5-30-04

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

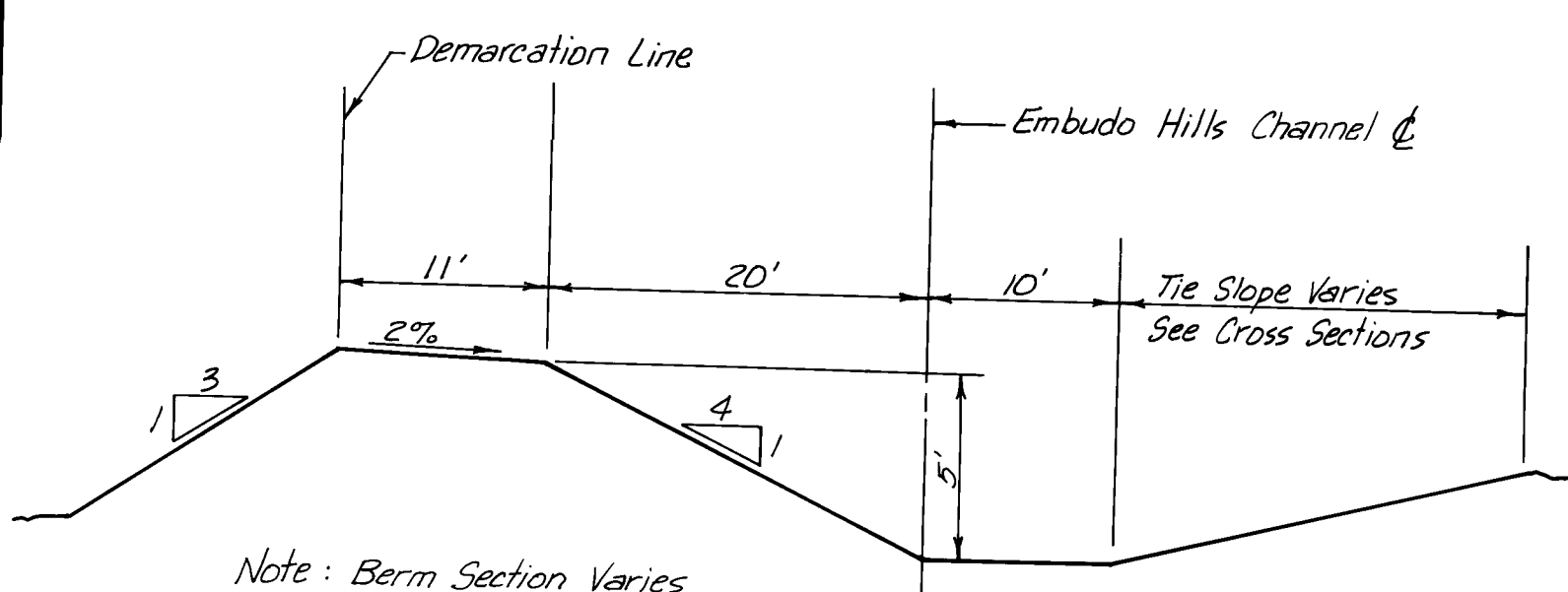
DRAWING NO. 2007

SHEET 33 OF 56

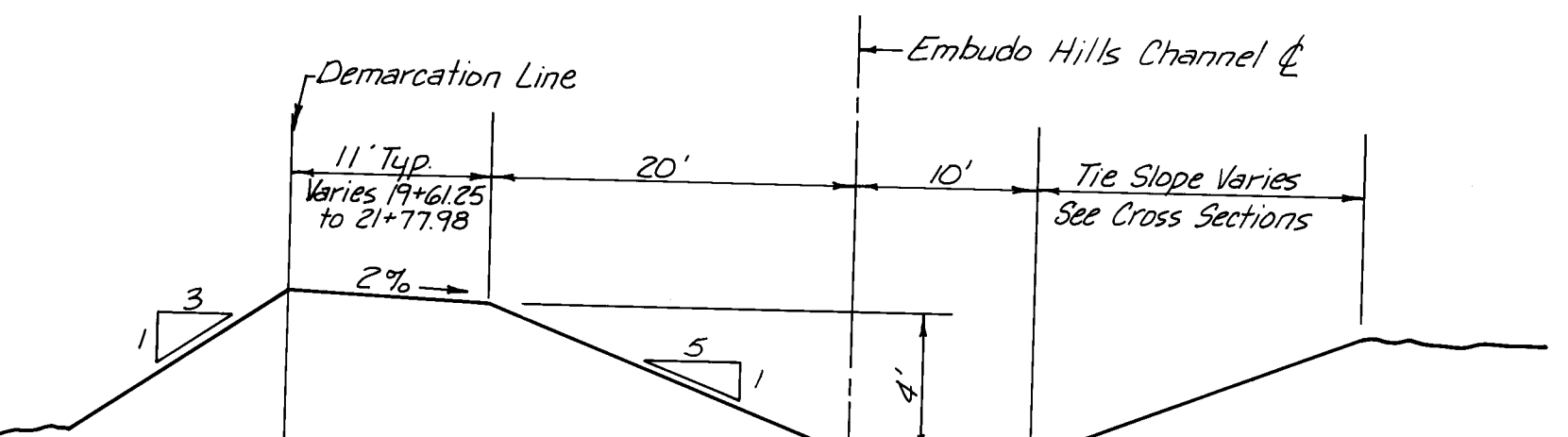


RIP RAP GRADATION CHART

D ₅₀ = 12"		D ₅₀ = 24"	
% Smaller than Given Size	Rock Dimension (inches)	% Smaller than Given Size	Rock Dimension (inches)
100	21"	100	36"
70	18"	70	30"
50	12"	50	24"
20	4"	20	9"

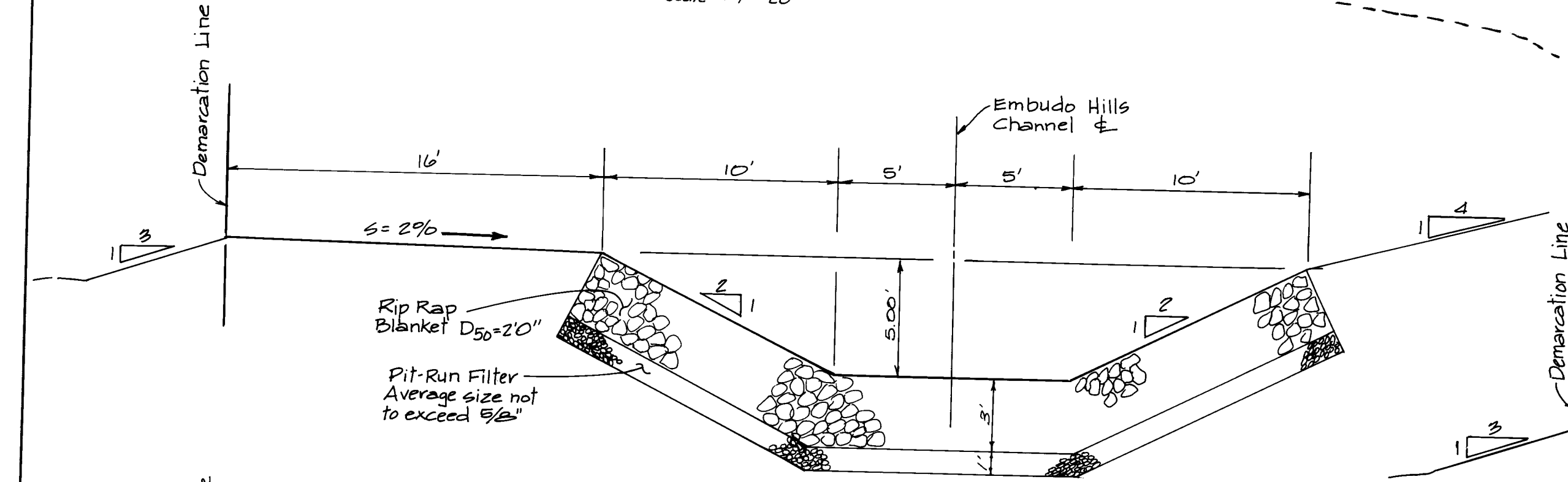


TYPICAL BERM SECTION
STA. 25+00 TO STA. 26+40
No Scale

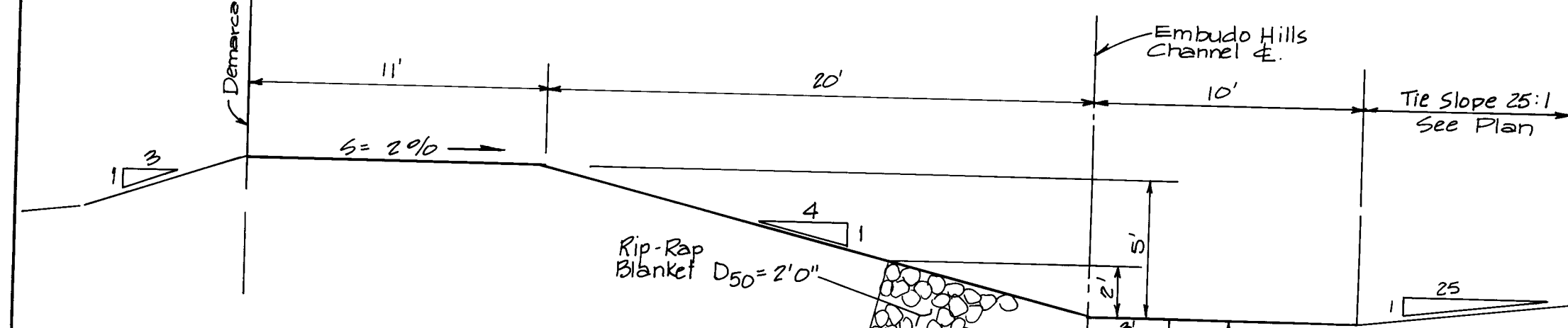


TYPICAL BERM SECTION
STA. 23+00 TO STA. 24+50
No Scale

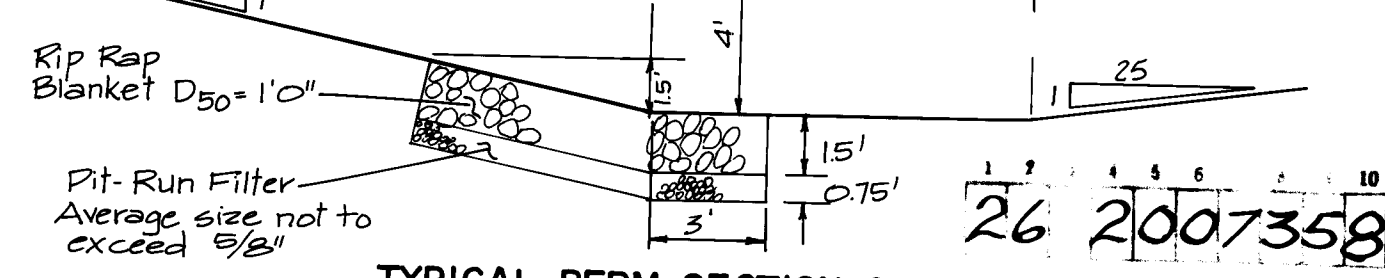
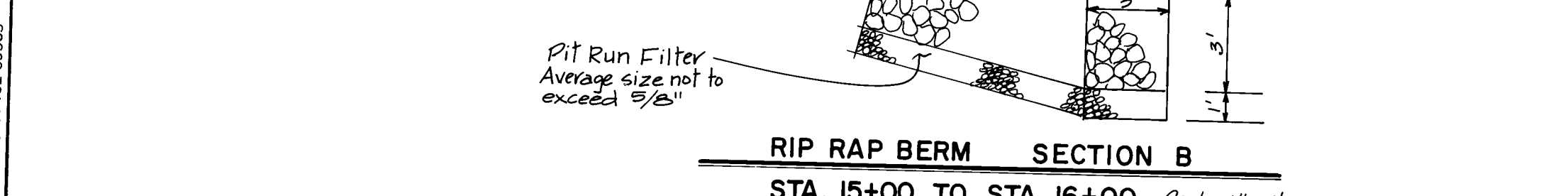
RIP RAP TRANSITION DETAIL
STA. 14+00 TO STA. 17+00
Scale: 1" = 20'



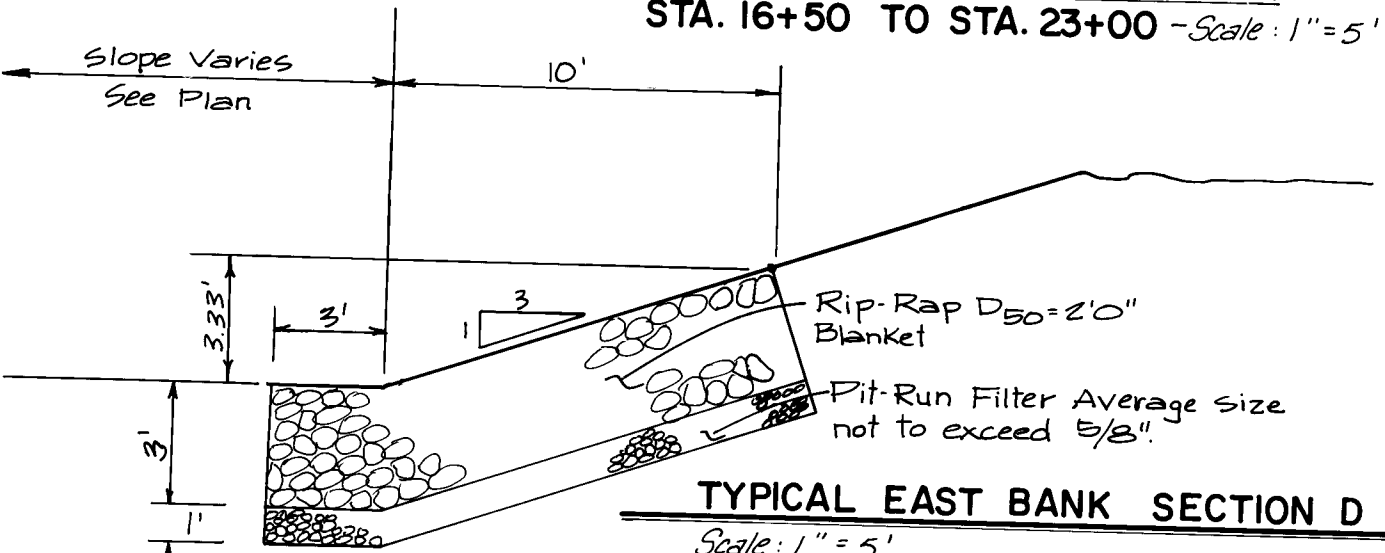
RIP RAP CHANNEL SECTION A
STA. 14+00 Scale: 1" = 5'



RIP RAP BERM SECTION B
STA. 15+00 TO STA. 16+00 - Scale: 1" = 5'



TYPICAL BERM SECTION C
STA. 16+50 TO STA. 23+00 - Scale: 1" = 5'

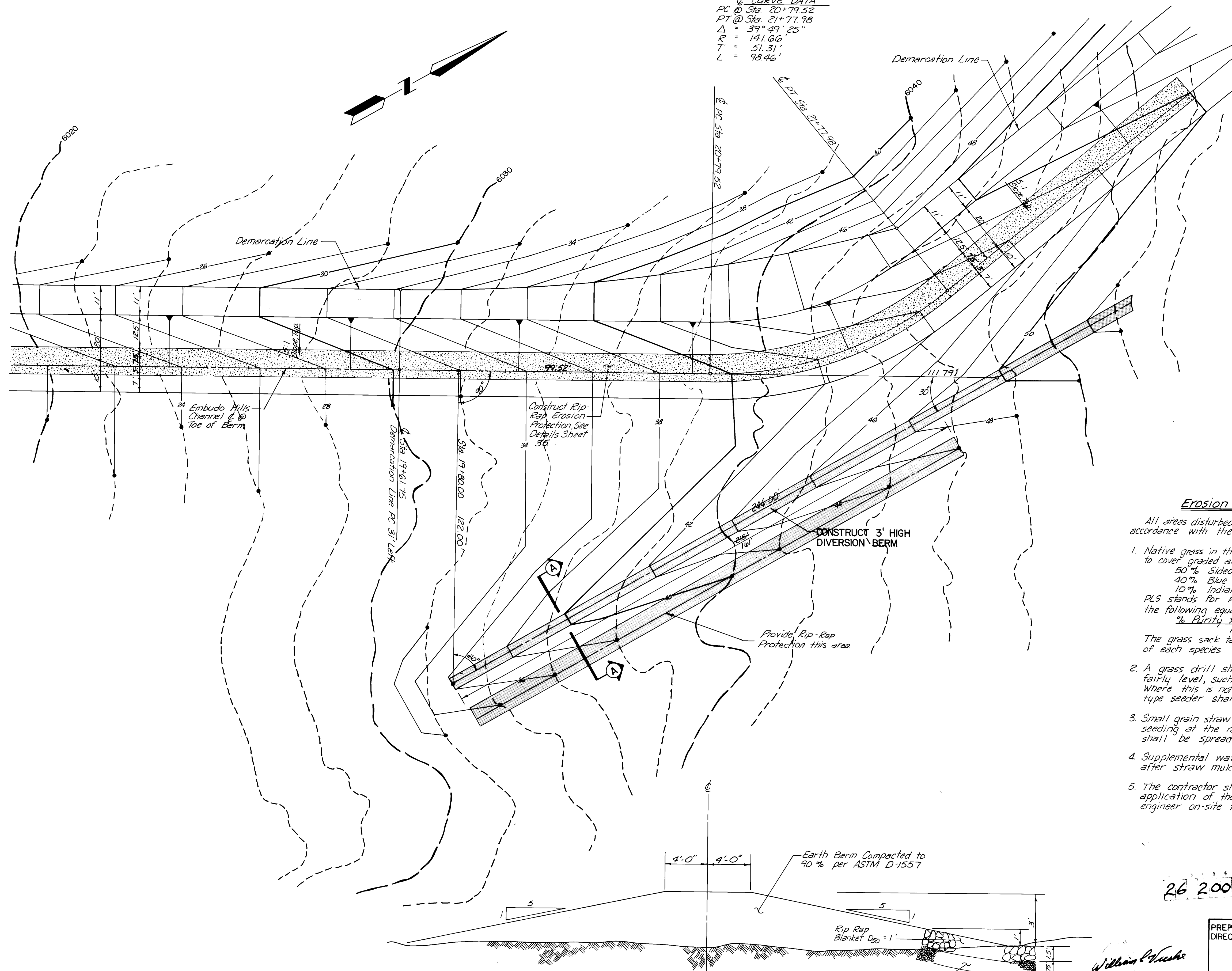


TYPICAL EAST BANK SECTION D
Scale: 1" = 5'

- GENERAL NOTES:
- Where rock is encountered within the Rip-Rap and/or Filter Material prism, eliminate Rip-Rap and/or Filter Material within the portion of the prism obstructed by rock.
 - All areas disturbed during construction shall be reseeded in accordance with the Erosion Control Plan on Sheet 36.

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
APPROVED FOR CONSTRUCTION		DATE	
CITY ENGINEER		DATE	
DRAWING NO. 2007		SHEET 35 OF 56	

EMBUDO HILLS CHANNEL
 CURVE DATA
 PC @ Sta. 20+79.52
 PT @ Sta. 21+77.98
 $\Delta = 39^{\circ} 49' 25''$
 $R = 141.66'$
 $T = 51.31'$
 $L = 98.46'$



SECTION A-A
 No Scale

Erosion Control Plan

All areas disturbed during construction shall be seeded in accordance with the following Erosion Control Plan:

- Native grass in the given quantities shall be used to cover graded areas:
 50% Sideoats grama 2.0 lb. PLS/acre
 40% Blue grama 0.6 lb. PLS/acre
 10% Indian ricegrass 0.6 lb. PLS/acre
 PLS stands for PURE LIVE SEED and is computed by the following equation:

$$\frac{\% \text{ Purity} \times \% \text{ Germination}}{100} = \% \text{ PLS}$$

The grass sack tag contains the purity and germination of each species.

- A grass drill shall be used to seed areas that are fairly level, such as the channel maintenance road. Where this is not possible, a "cyclone" or "whirlbird" type seeder shall be used.
- Small grain straw shall be applied immediately after seeding at the rate of 2.5 tons per acre. Straw shall be spread by blower, flail spreader or by hand.
- Supplemental water shall be applied lightly immediately after straw mulch is applied.
- The contractor shall notify the engineer prior to application of the seed mix and shall have the engineer on-site for the duration of the work.

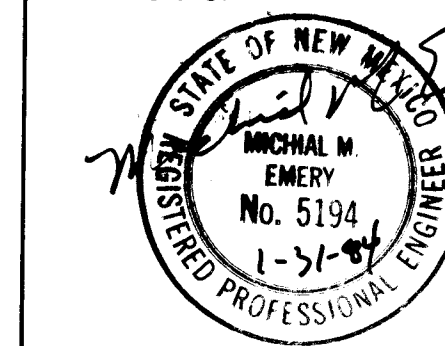
26 20073686

William L. Wheeler

1/23/86

SCALE:
 1" = 20'

PREPARED UNDER THE
 DIRECTION OF



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

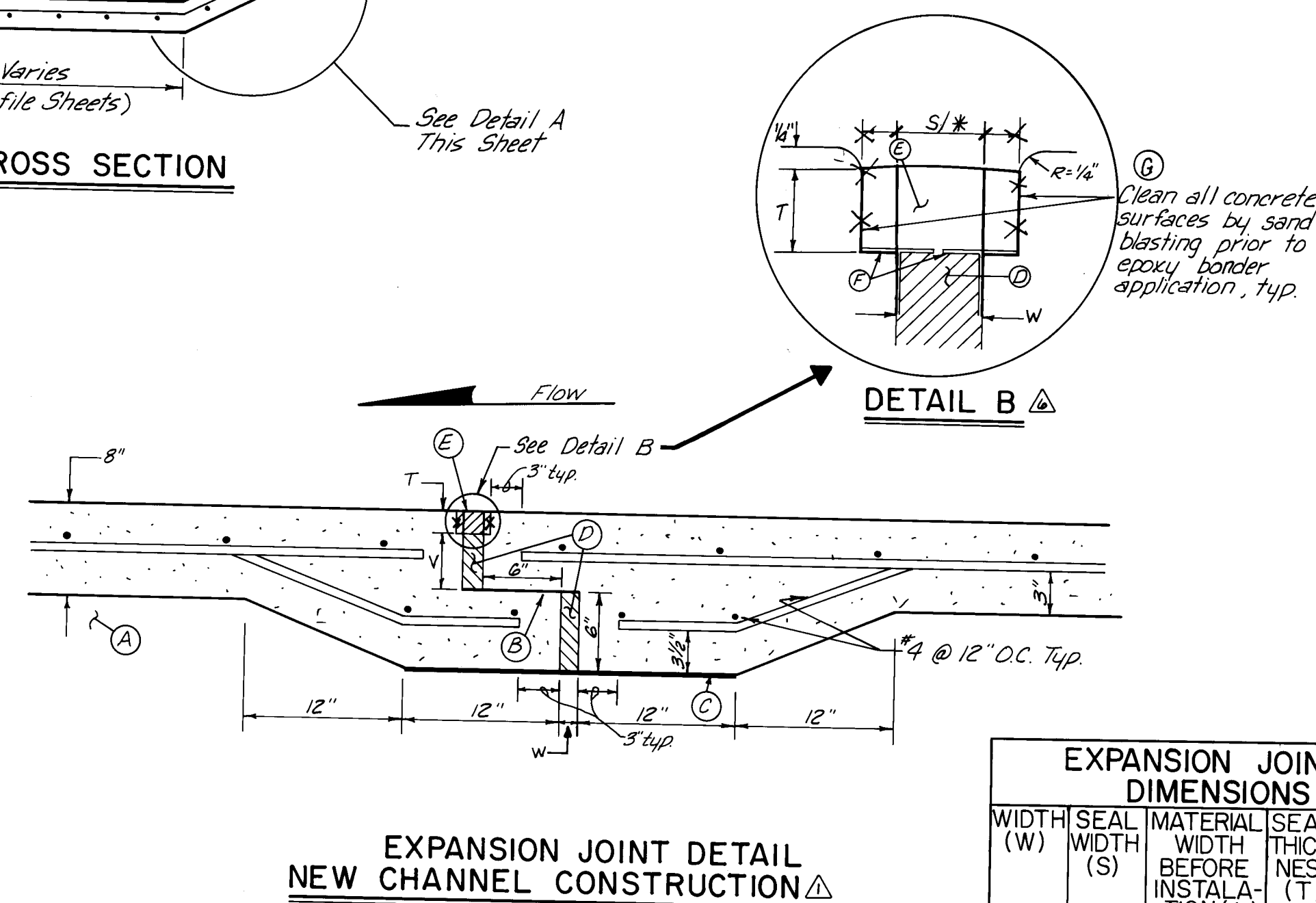
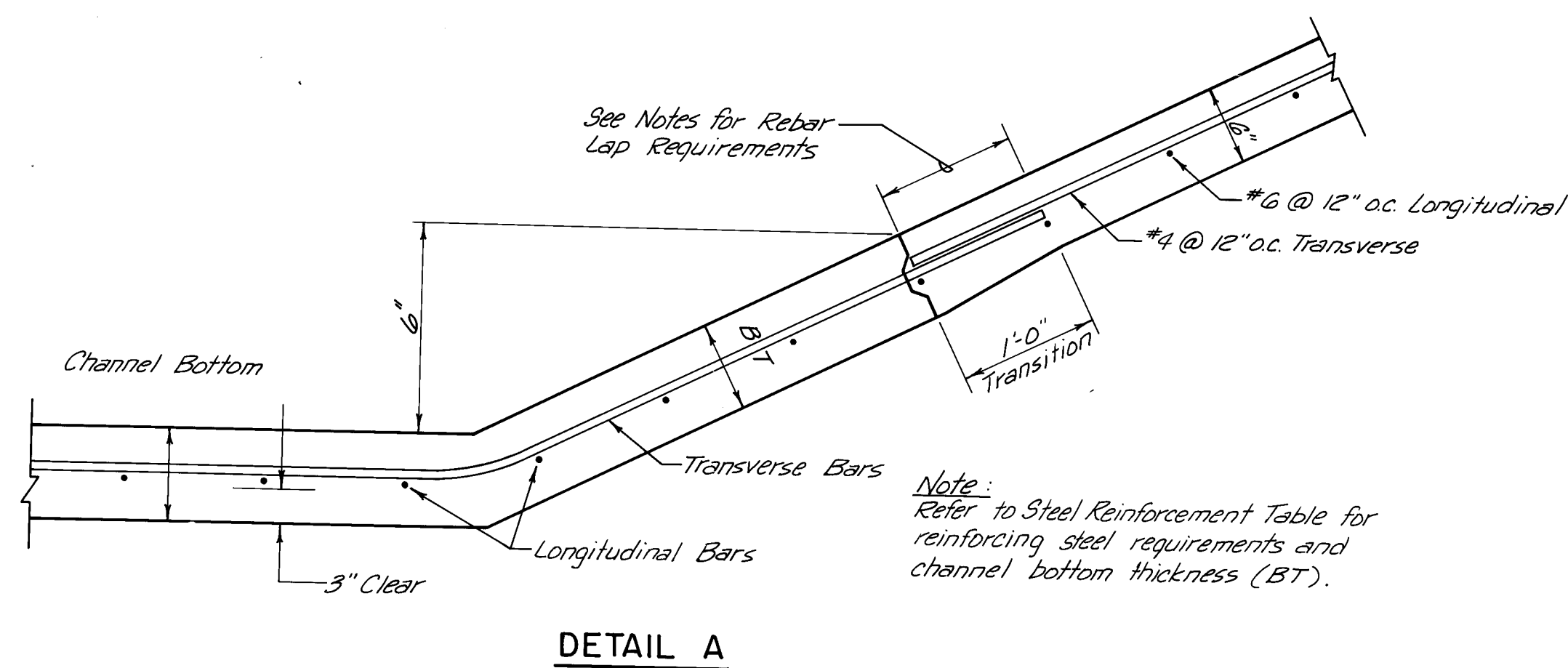
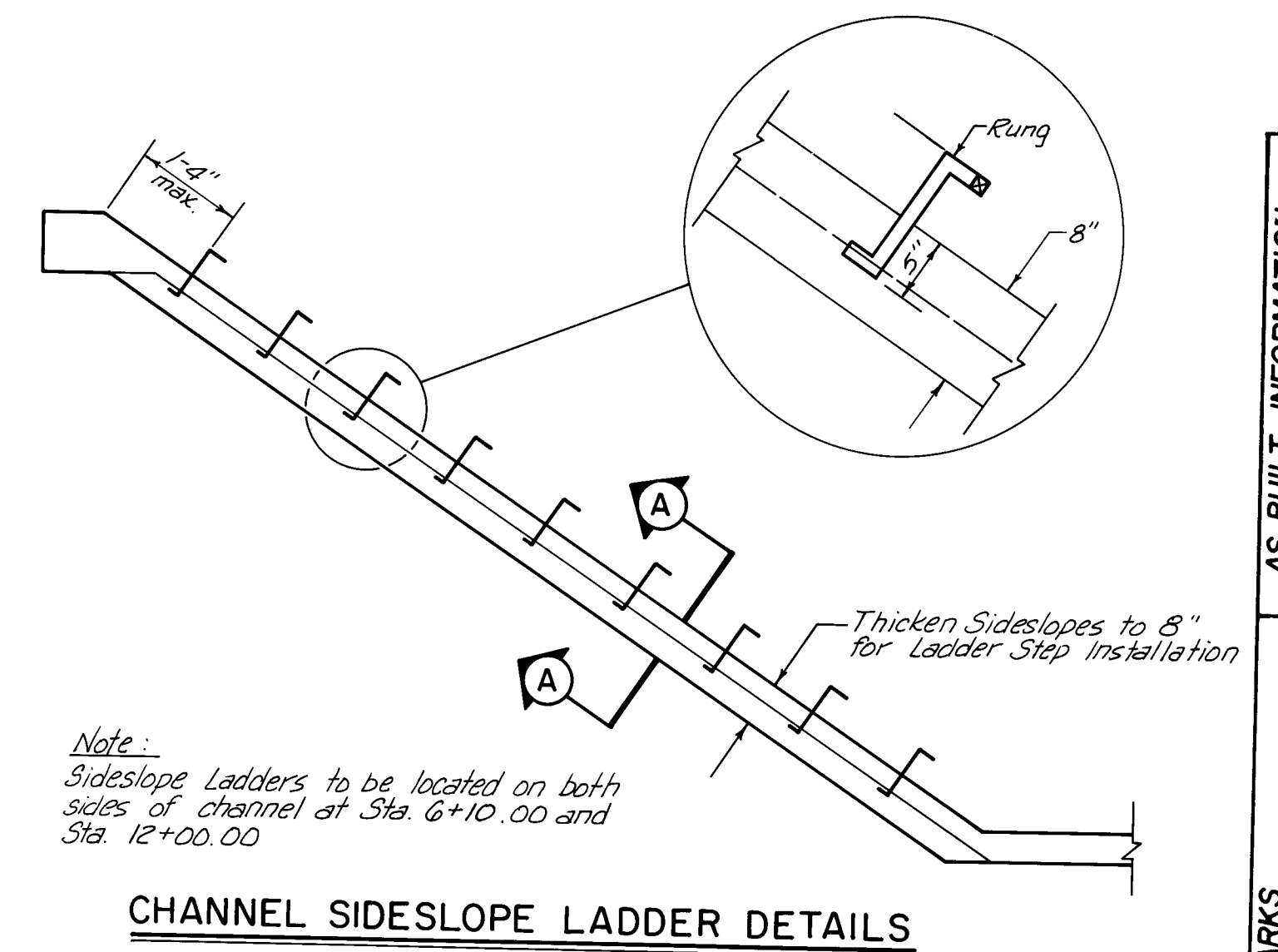
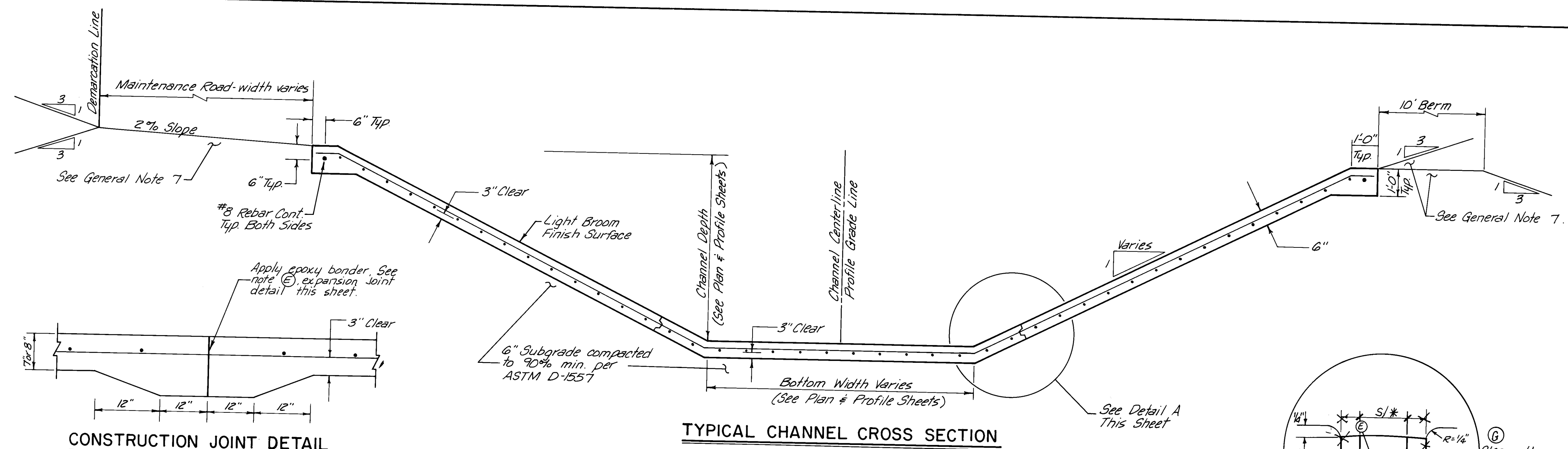
CITY OF ALBUQUERQUE
 MUNICIPAL DEVELOPMENT DEPARTMENT
 ENGINEERING DIVISION

TITLE:
 EMBUDO HILLS CHANNEL
 DIVERSION BERM DETAILS

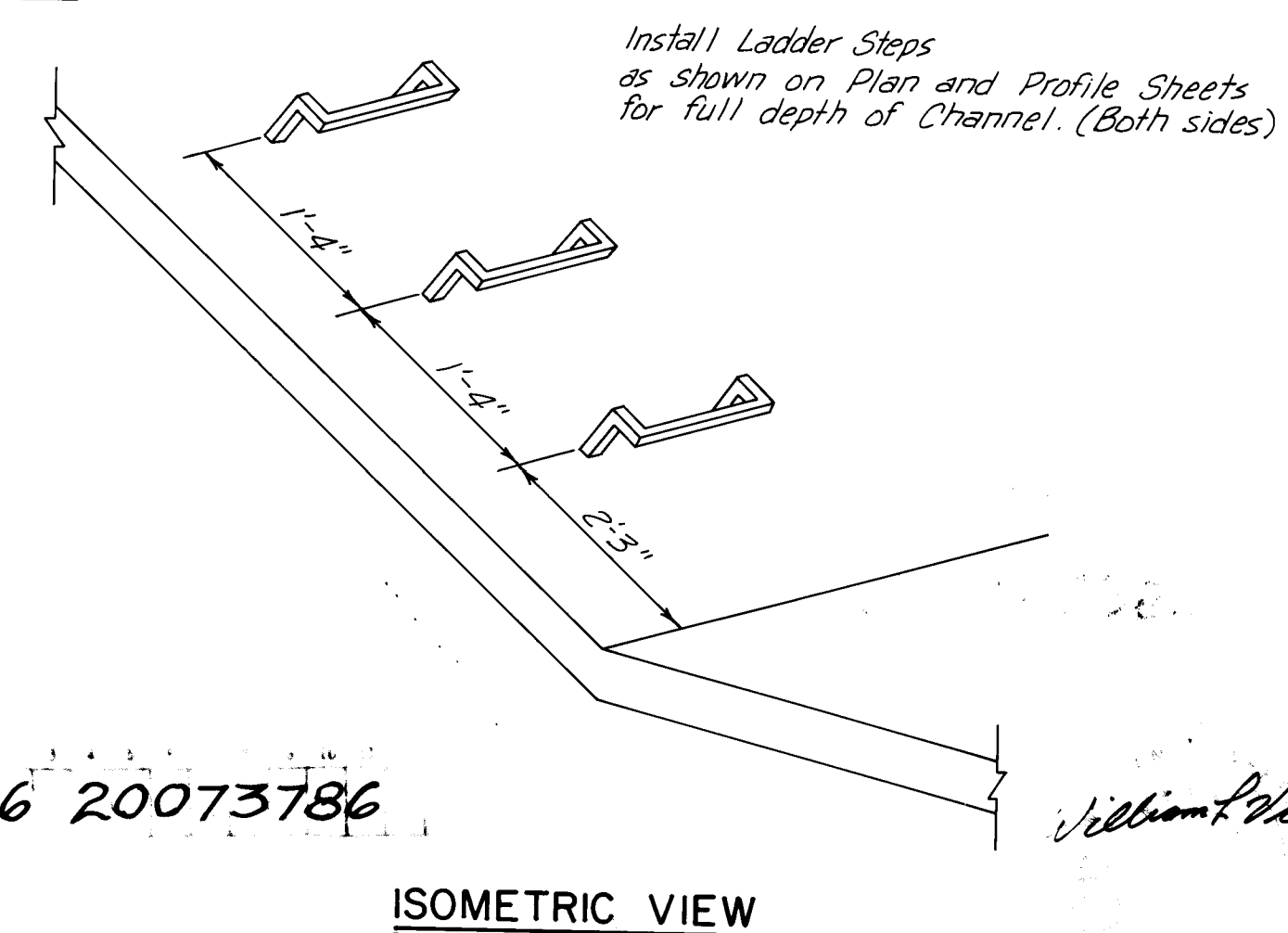
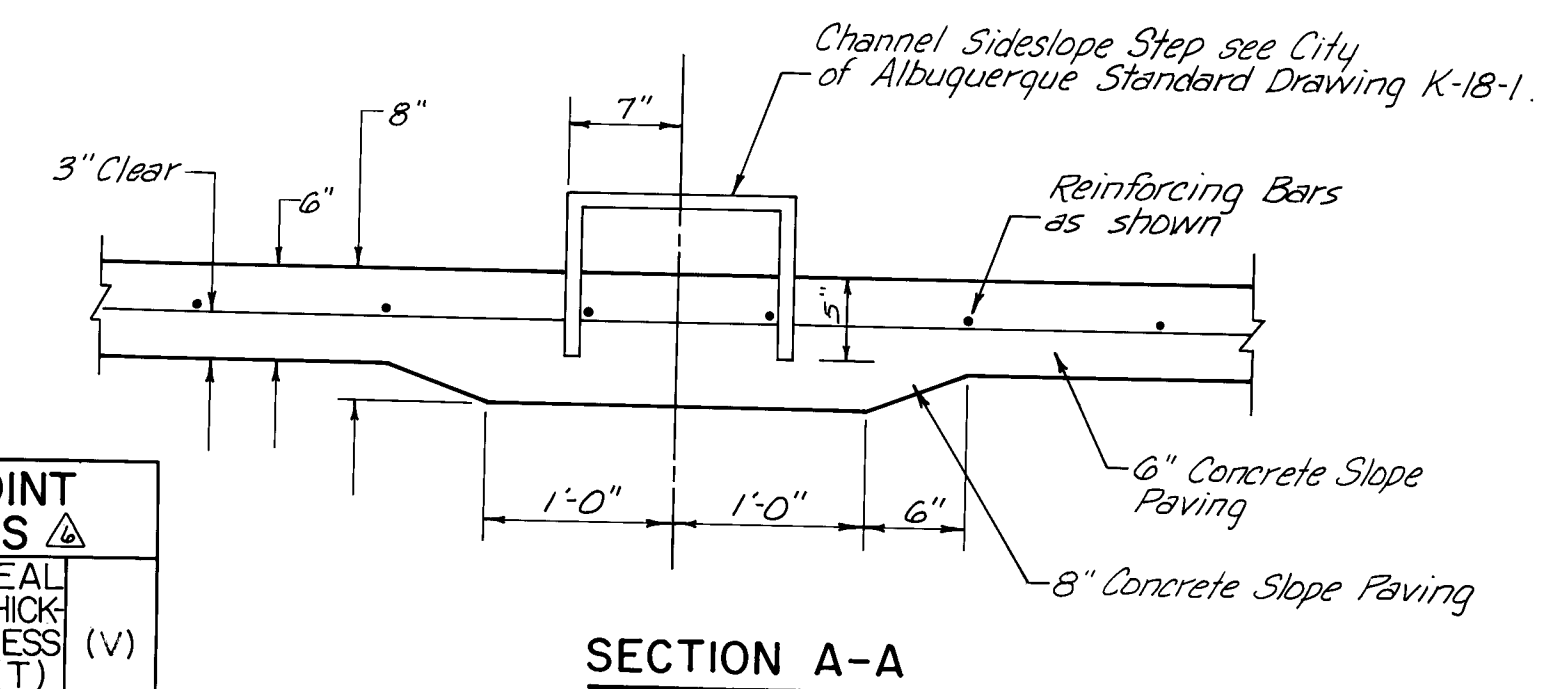
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/2/84	Liquid Waste	NA WFG	5/2/84
A.C.E.-Design	<i>[Signature]</i>	4/2/84	Traffic	NA DWL	6/2/84
A.C.E.-Hydrology	<i>[Signature]</i>	4/2/84	Water	NA WFG	5/2/84

DRAWING NO. 2007
 SHEET 36 OF 56

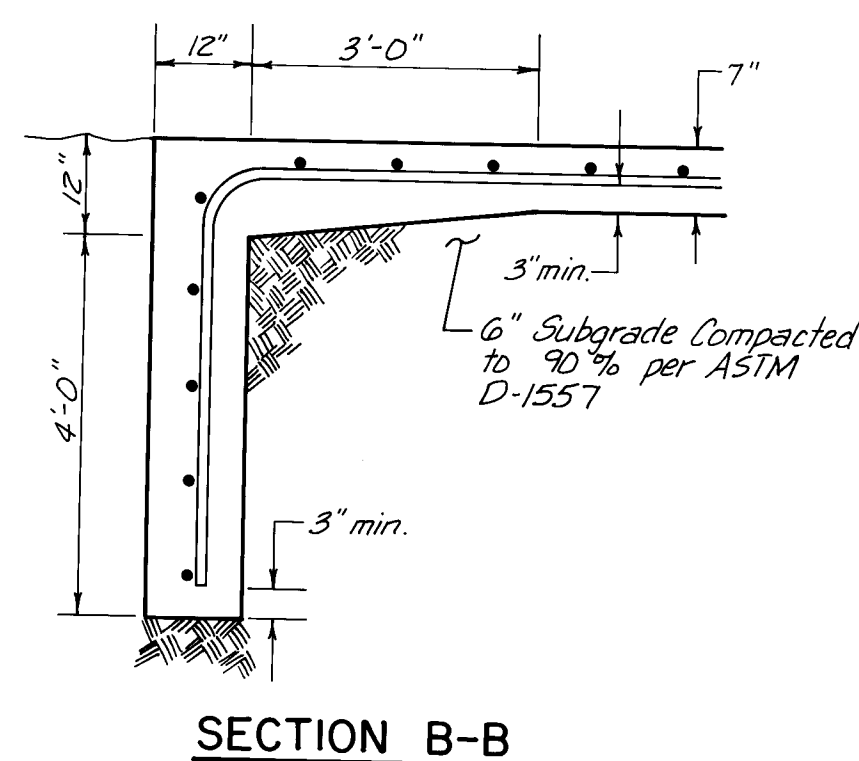
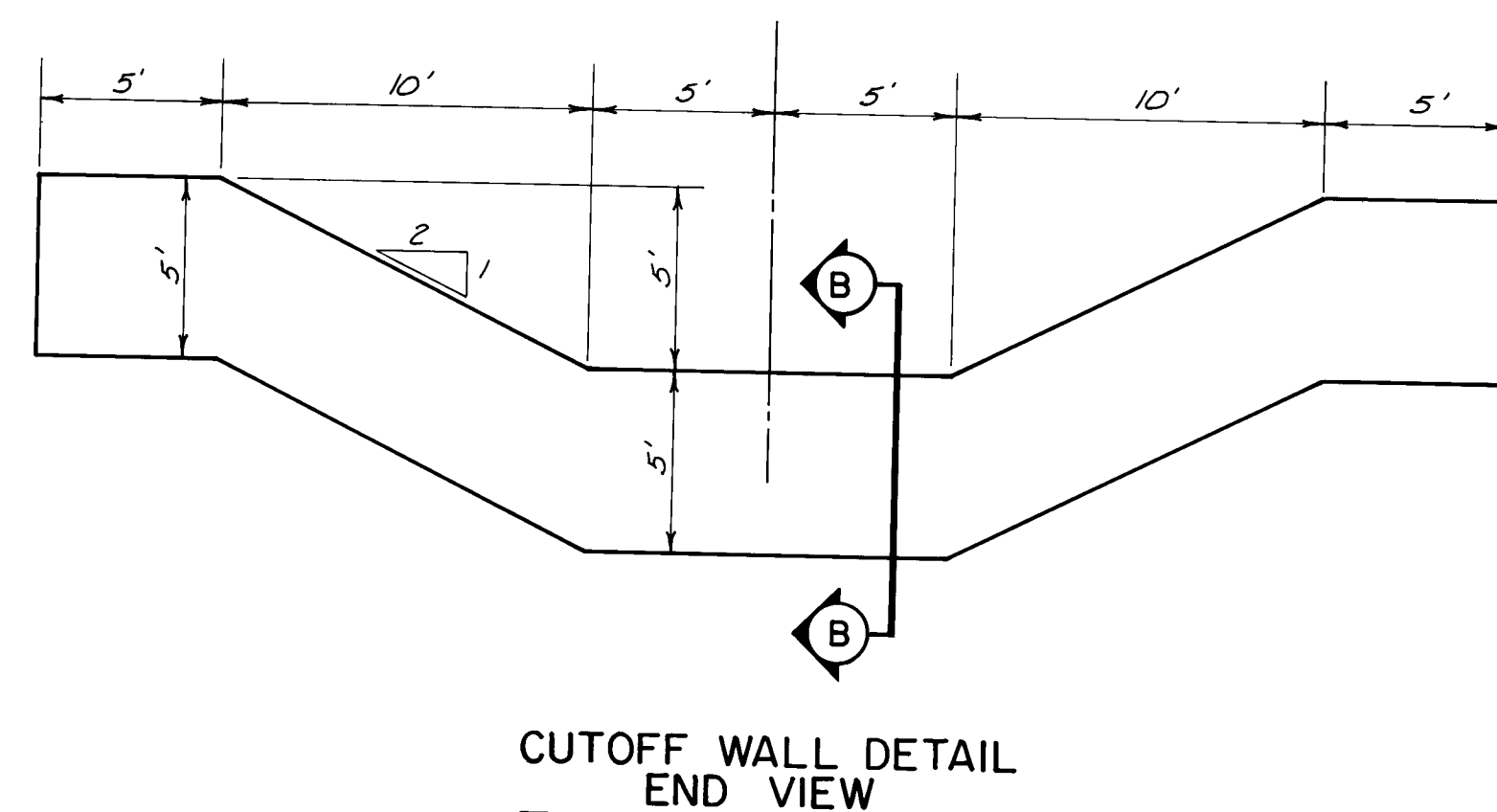
		REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		MAP NO.	J-23						
		EST. NO.	W/O NO.	NO.	BY	DATE			
</									



EXPANSION JOINT DIMENSIONS 				
WIDTH (W)	SEAL WIDTH (S)	MATERIAL WIDTH BEFORE INSTALLATION (*)	SEAL THICKNESS (T)	(V)
1 1/2'	2" 2 1/4"	2 1/2" - 3"	1" 1 1/2"	4 1/2"
3"	4"	5"	3 1/2"	2 1/2"



CONCRETE CHANNEL LINING STEEL REINFORCEMENT					
LOCATION	REBAR		SPACING		BT
	LONG.	TRANS.	LONG.	TRANS.	
STA. 3+95.33 TO STA. 8+00.00	No. 7	No. 5	15" O.C.	12" O.C.	8"
STA. 8+00.00 TO STA. 14+00.00	No. 6	No. 5	12" O.C.	12" O.C.	7"



- ① Compact Subgrade to 90% per ASTM D-1557.
- ② U.H.M.W. Polyethylene Sheet $\frac{1}{8}$ " thick by 6" wide.
- ③ U.H.M.W. Polyethylene Sheet $\frac{1}{8}$ " thick by 24" wide.
- ④ Polyethylene Foam Filler, Plastozote, or approved equal.
- ⑤ Ethylene Vinyl Acetate Sealant by E-poxy Industries or approved equal, sealant dimensions prior to installation per table. Δ Apply 2-part epoxy bond (EVA-POX Bond or approved equal) to both sides of joint and install sealant immediately.
- ⑥ Polyethylene bond breaker - place under sealant prior to sealant installation.
- ⑦ Bonding agent, 2 component epoxy, eva pox type 2 or equal applied to both sides of concrete and both sides of sealant. Δ

1. Concrete shall be 3000 psi 28 day concrete with maximum aggregate size of 3/4" and 5% air entrainment as stated in specifications.
2. All steel shall be Grade 60 deformed bars unless noted otherwise.
3. Splices in rebar shall be 1'-0" or greater for #3 and #4 bars, 1'-3" for #5 bars, and 1'-8" for #6 bars.
4. All steel spacings are given to the centerline of the bar.
5. All exposed edges shall have a 1" chamfer.
6. All rebar shall be supported on 3" continuous sand chairs placed perpendicular to the channel centerline at 5' (max.) intervals.
7. Top 6" of Maintenance Road and all areas within 2' of concrete channel lining shall be compacted to 95% (min.) per ASTM D-1557.
8. All areas disturbed during construction shall be reseeded in accordance with the Erosion Plan on Sheet 36.

 CHANNEL DETAILS	QUERQUE DEPARTMENT ISSION			DESIGN			REVISIONS			REMARKS			NO.			DATE			BY			REFERENCES			SURVEY INFORMATION			BENCH MARKS			AS-BUILT INFORMATION					
	APPROVALS			ENGINEER			DATE			DESIGNED BY			RPB			DATE			1 / 84			MAP NO.			NO.			BY			DATE			CONTRACTOR		
	Waste			ad			wpz			5-20-84			ad			wpz			6/27/84			ad			wpz			5-20-84			ad			wpz		
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
	ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz					
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz			5-20-84			ad			wpz						
ad			wpz			5-20-84			ad			wpz			5-20-84																					

PREPARED UNDER THE
DIRECTION OF

STATE OF NEW MEXICO

EMILY M. SANCHEZ

No. 5194

1-31-84

REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION

CITY ENGINEER _____ DATE _____

1/23/84

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

EMBUDO HILLS CHANNEL

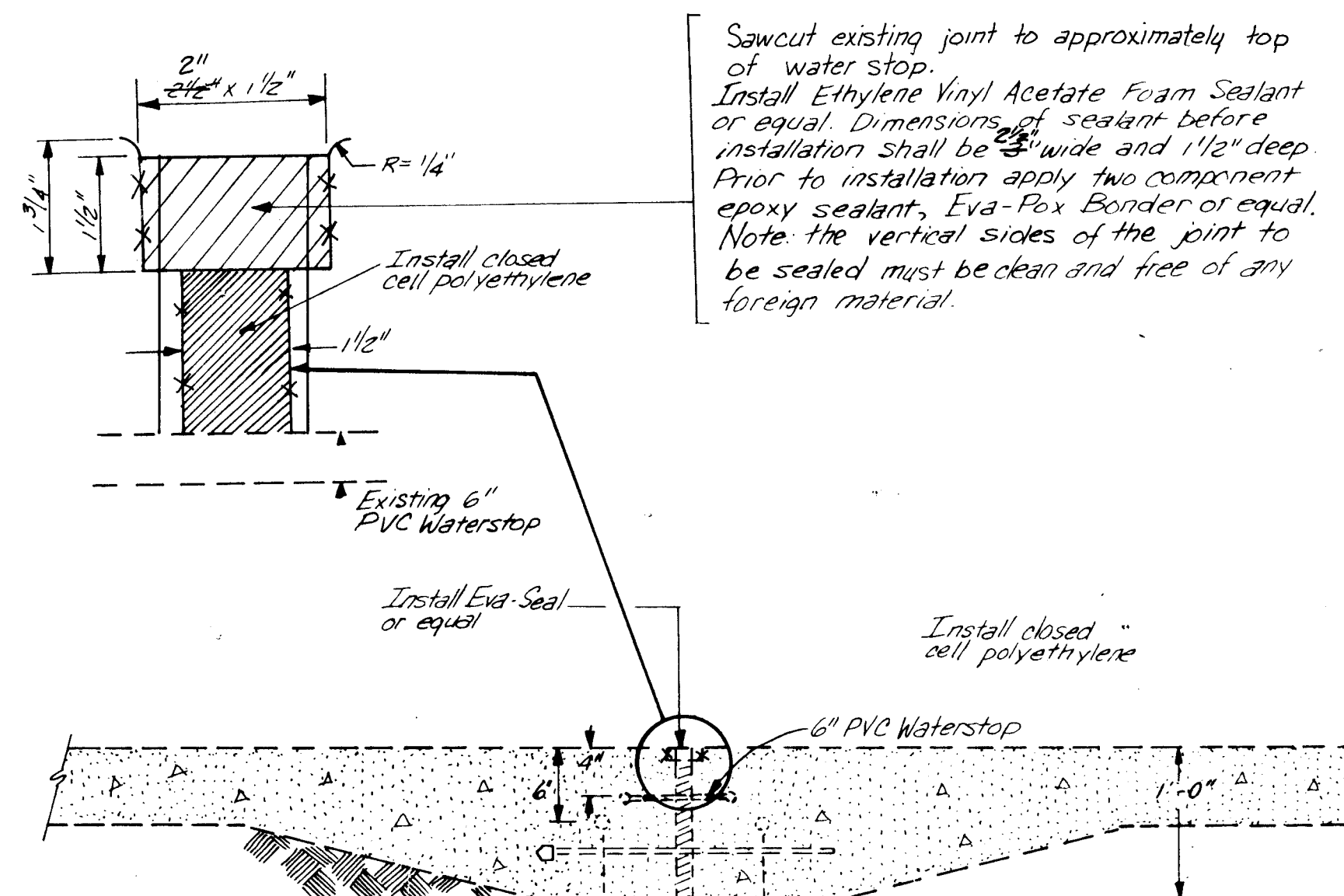
TYPICAL CHANNEL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/23/84	Liquid Waste	<i>[Signature]</i>	5-2-84
A.C.E. - Design	<i>[Signature]</i>	1/23/84	Traffic	<i>[Signature]</i>	6/2/84
A.C.E. - Hydrology	<i>[Signature]</i>	2/1/84	Water	<i>[Signature]</i>	5-2-84

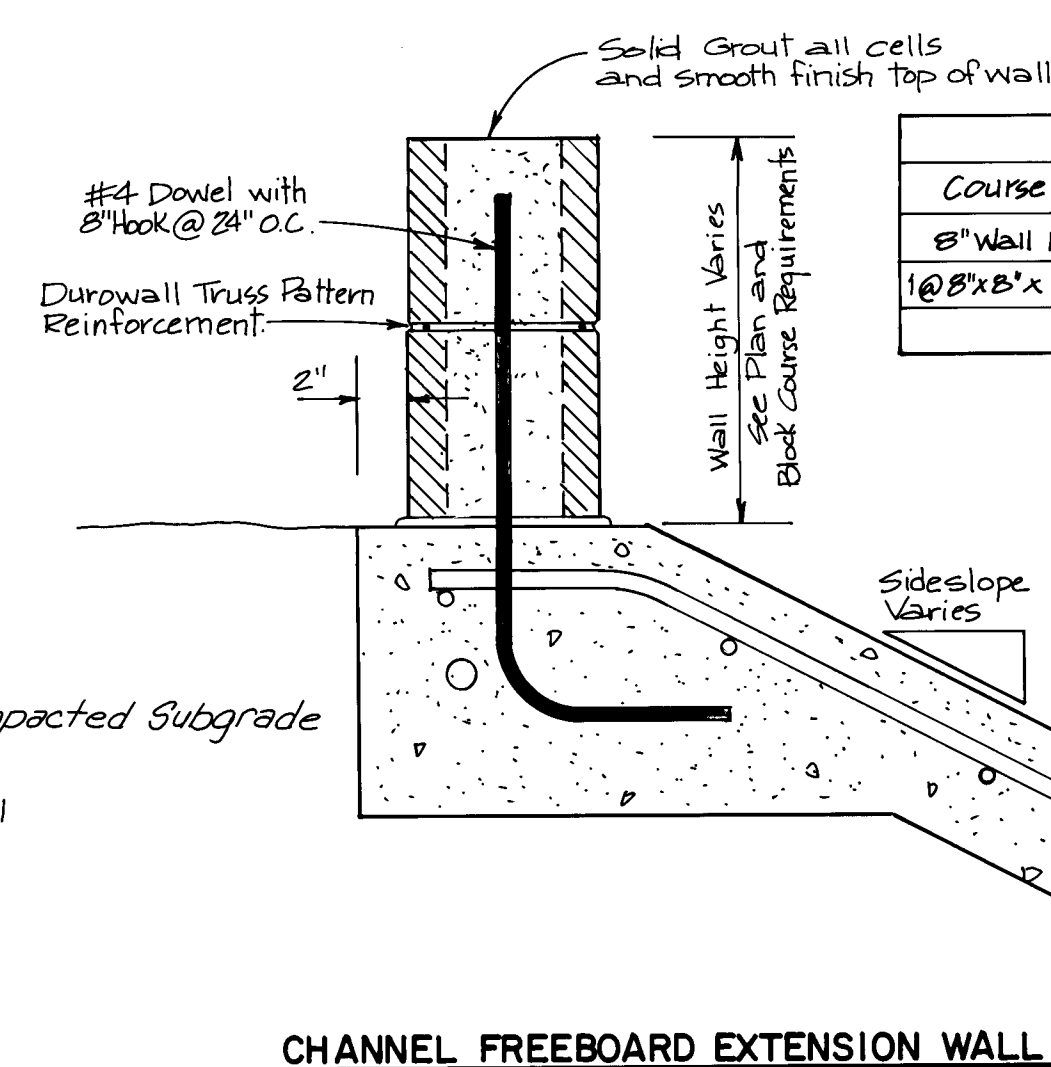
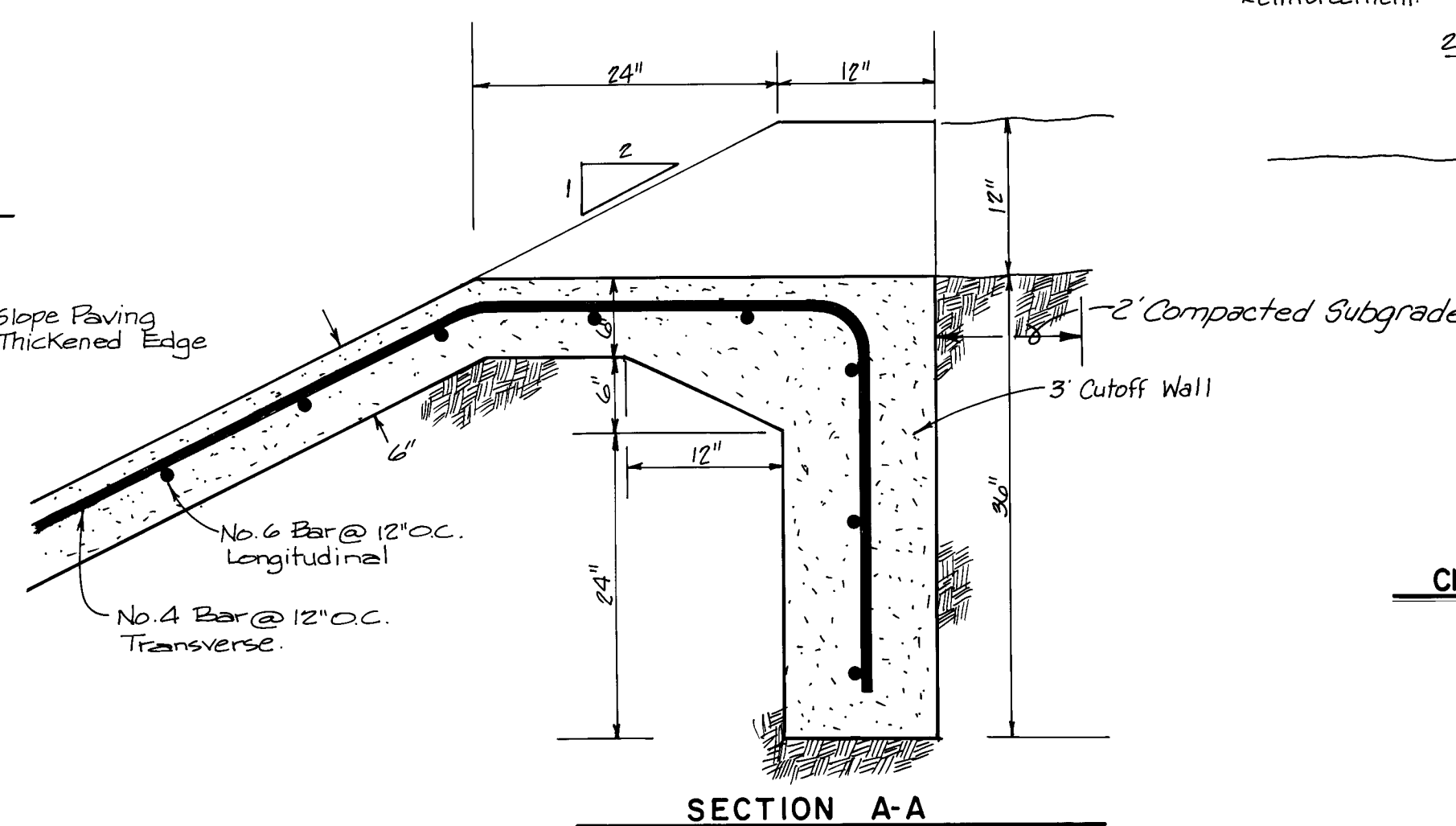
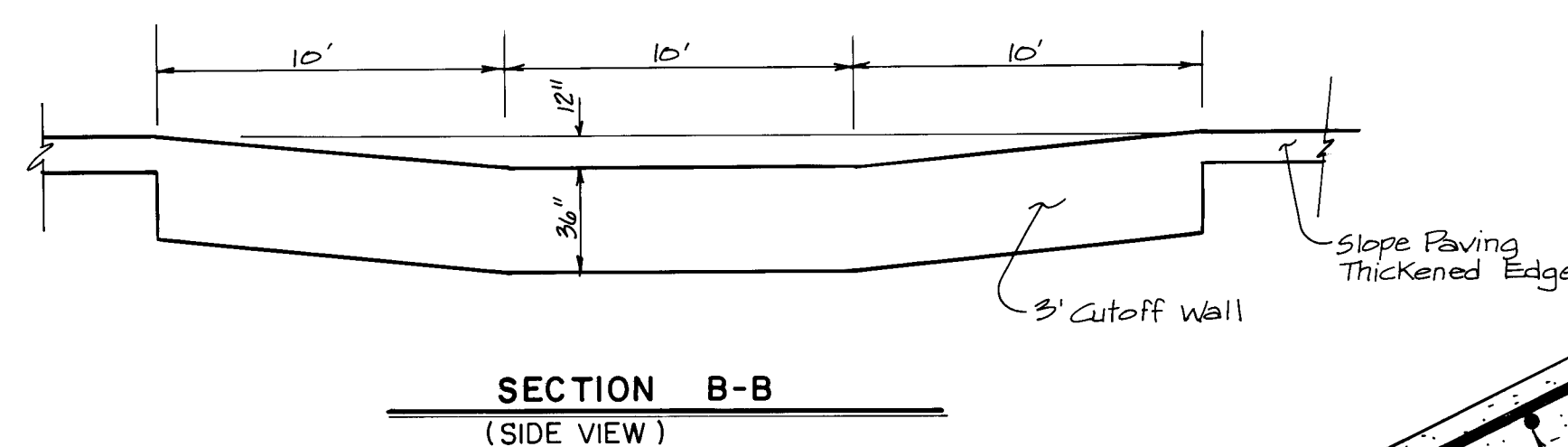
DRAWING NO.

2007

SHEET 37 **OF** 56

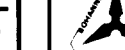


RESEALING OF EXISTING TRANSVERSE JOINT DETAIL
STATIONS 12+72.54 & 13+72.54 EXISTING UPPER LOMAS CHANNEL



BLOCK COURSE REQUIREMENTS			
Course Requirements Vary Depending on Required Wall Height			
8" Wall Height	12" Wall Height	16" Wall Height	20" Wall Height
1 @ 8"x8"x16" Std.	1 @ 8"x8"x16" Std.	2 @ 8"x8"x16" Std.	2 @ 8"x8"x16" Std.
	1 @ 8"x4"x16"		1 @ 8"x4"x16"

NOTE: Turn 1 block on side lower course every 20' on-center (where possible) to allow drainage from access road to enter channel.

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																									
	TITLE: EMBUDO 111/28 - CHANNEL TYPICAL CHANNEL DETAILS																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 15%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 25%;">DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td><i>[Signature]</i></td> <td>4/1/84</td> <td>Liquid Waste</td> <td><i>[Signature]</i></td> <td>5/2/84</td> </tr> <tr> <td>A.C.E.-Design</td> <td><i>[Signature]</i></td> <td>4/4/84</td> <td>Traffic</td> <td><i>[Signature]</i></td> <td>6/2/84</td> </tr> <tr> <td>A.C.E.-Hydrology</td> <td><i>[Signature]</i></td> <td>7/1/84</td> <td>Water</td> <td><i>[Signature]</i></td> <td>8-2-84</td> </tr> </tbody> </table>				APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>[Signature]</i>	4/1/84	Liquid Waste	<i>[Signature]</i>	5/2/84	A.C.E.-Design	<i>[Signature]</i>	4/4/84	Traffic	<i>[Signature]</i>	6/2/84	A.C.E.-Hydrology	<i>[Signature]</i>	7/1/84	Water	<i>[Signature]</i>	8-2-84
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																						
City Engineer	<i>[Signature]</i>	4/1/84	Liquid Waste	<i>[Signature]</i>	5/2/84																						
A.C.E.-Design	<i>[Signature]</i>	4/4/84	Traffic	<i>[Signature]</i>	6/2/84																						
A.C.E.-Hydrology	<i>[Signature]</i>	7/1/84	Water	<i>[Signature]</i>	8-2-84																						
APPROVED FOR CONSTRUCTION																											
CITY ENGINEER _____ DATE _____			DRAWING NO. 2007																								
SHEET 38 OF 56																											

ORIGINAL SURVEY		BY		DATE	
NO.	DATE	NO.	DATE	NO.	DATE
SURVEYED		PLOTTED		CHECKED	
NOTE BOOK		AREAS		CHECKED	

ORIGINAL SURVEY		BY		DATE	
NO.	DATE	NO.	DATE	NO.	DATE
SURVEYED		PLOTTED		CHECKED	
NOTE BOOK		AREAS		CHECKED	

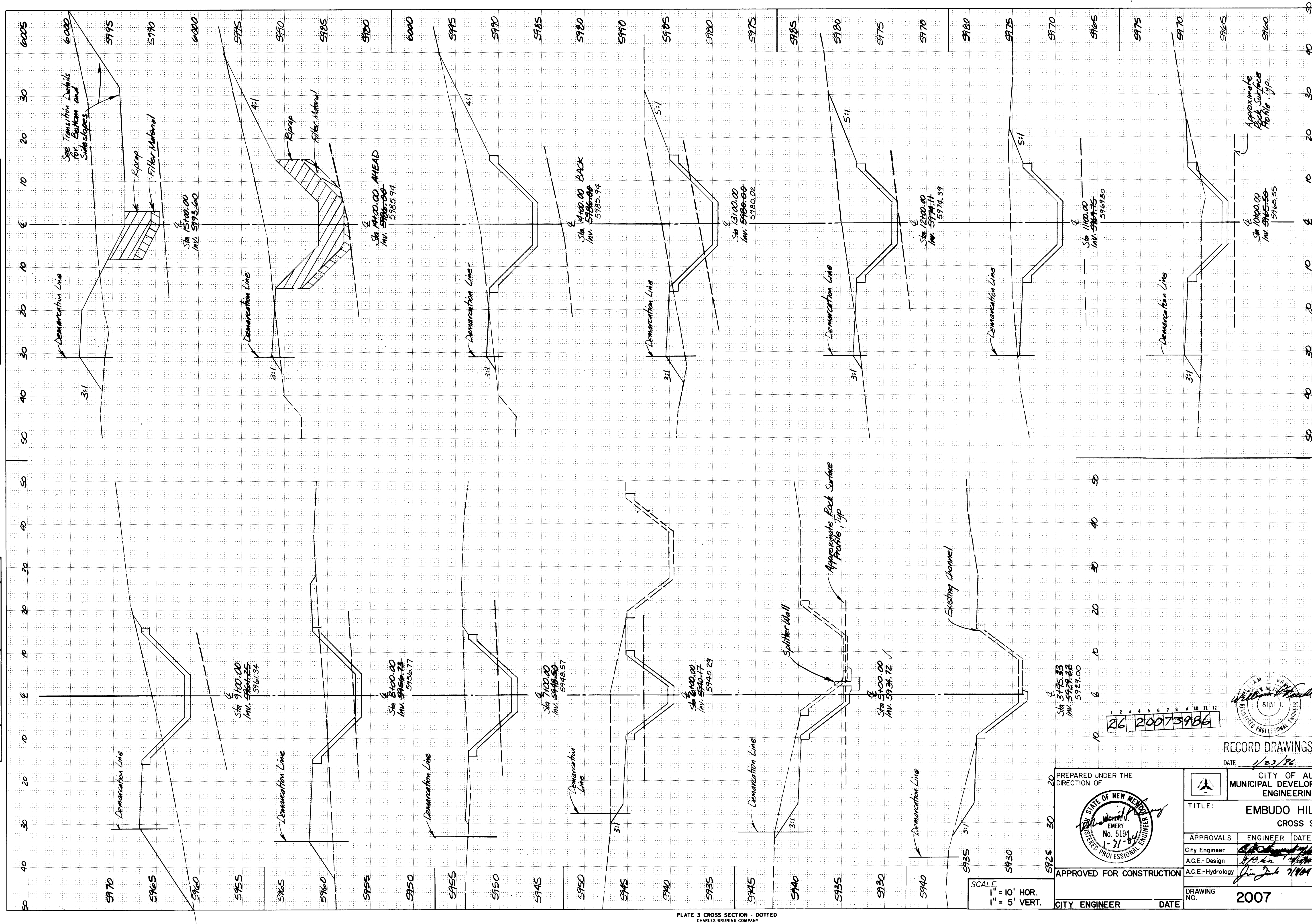
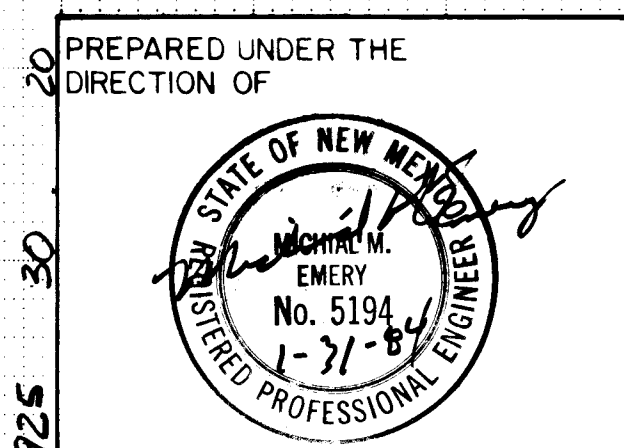


PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.



PREPARED UNDER THE
DIRECTION OF

APPROVED FOR CONSTRUCTION

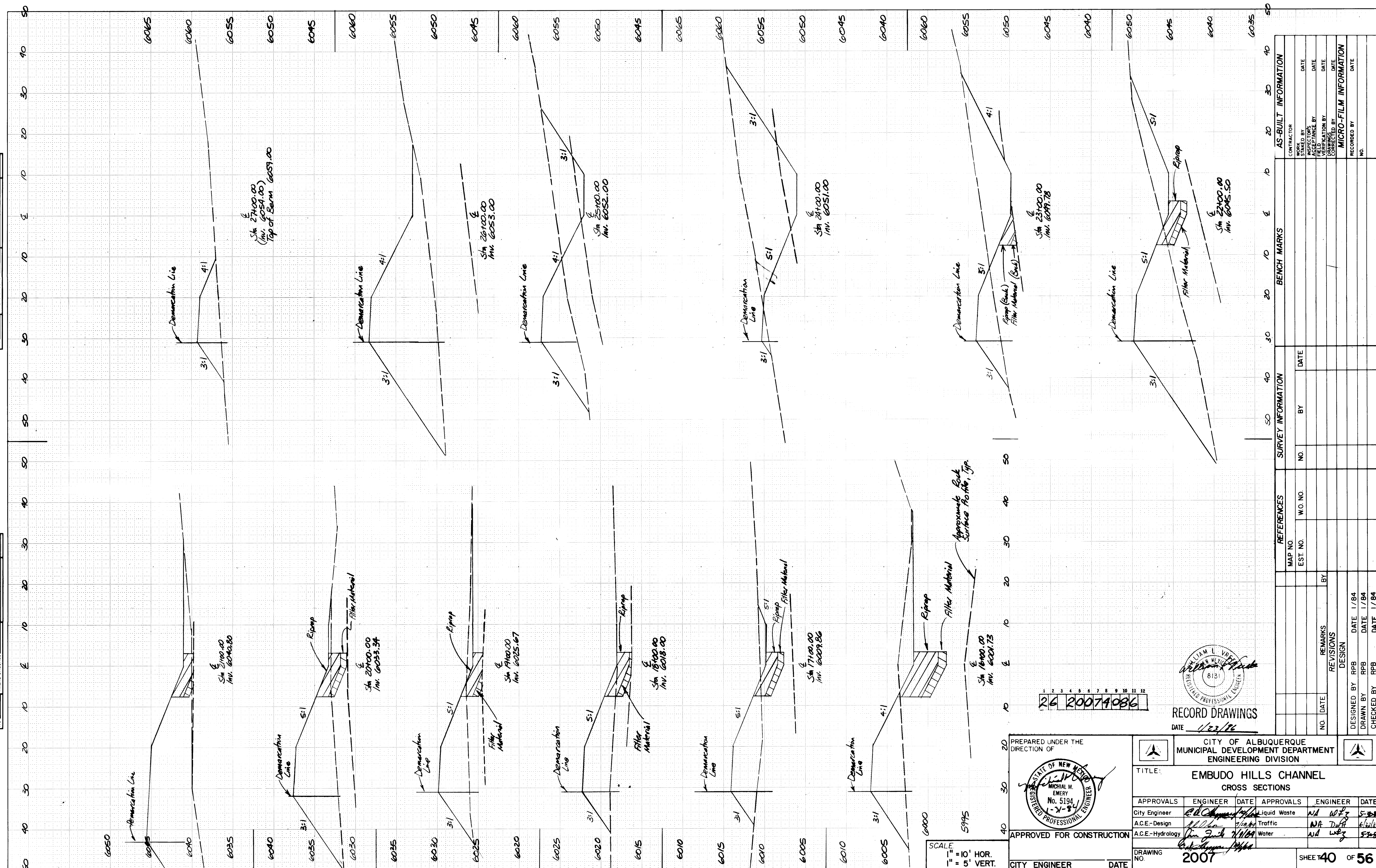
CITY ENGINEER DATE

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: EMBUDO HILLS CHANNEL CROSS SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/2/84	Liquid Waste	NA	WFS 5-20-84
A.C.E. - Design	<i>[Signature]</i>	1/2/84	Traffic	NA	DWE 11-20-84
A.C.E. - Hydrology	<i>[Signature]</i>	1/2/84	Water	NA	WFS 5-20-84
DRAWING NO. 2007			SHEET 39 OF 56		

REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
MAP NO.	EST. NO.	W.O. NO.	NO.	BY	DATE	CONTRACTOR	NO.
						WORKED BY	
						INSPECTED BY	
						ACCEPTANCE BY	
						DATE	
						VERIFICATION BY	
						DATE	
						NO.	
						RECORDED BY	
						DATE	

RUN PLINTS @ 60

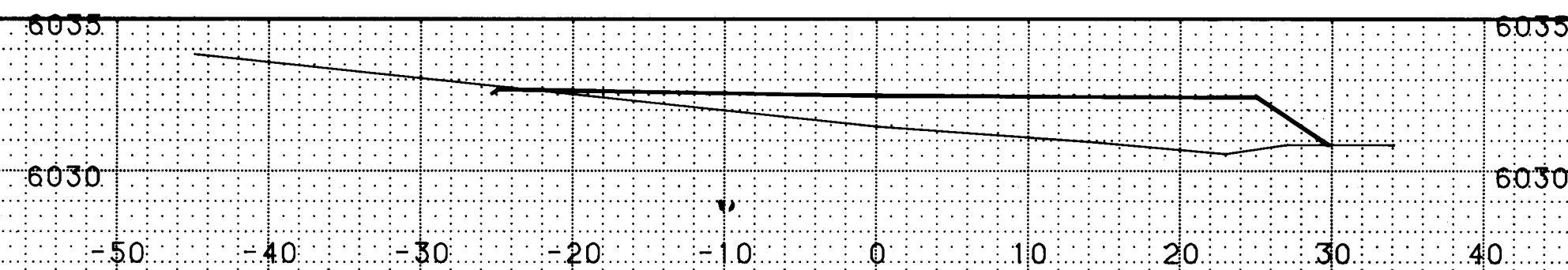
	SURVEYED		BY		DATE
	SURVEY				
	PLOTTED				
	TEMPLATE				
	NOTE BOOK				
	AREAS				
	AREAS CHECKED				
NO.					



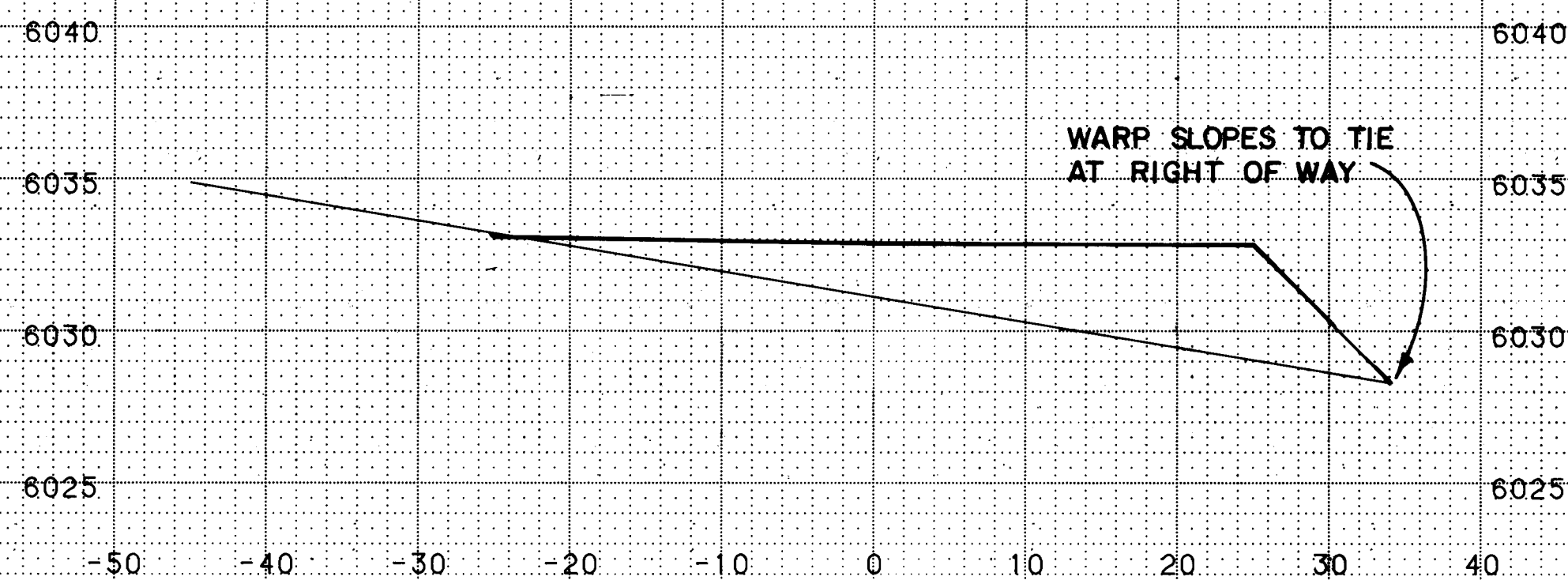
RUN PRINTS @ 50

FINAL	DATE
SURVEY	BY
NOTED	NO.
PLANNED	NO.
AREA CHECKED	NO.

ORIGINAL	DATE
SURVEY	BY
NOTED	NO.
PLANNED	NO.
AREA CHECKED	NO.



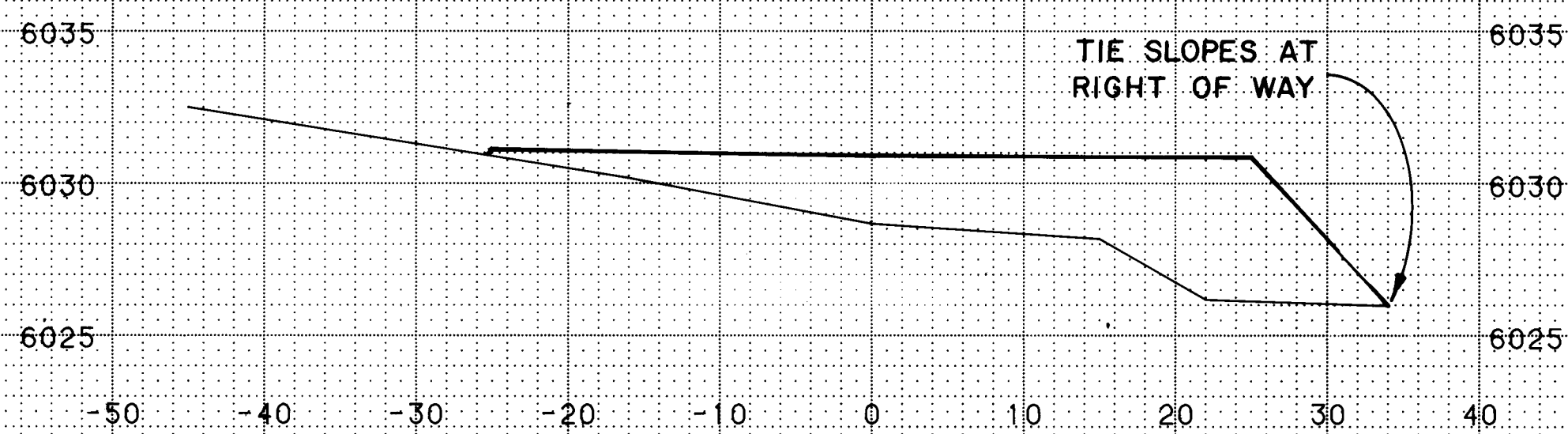
STATION 2+00.00



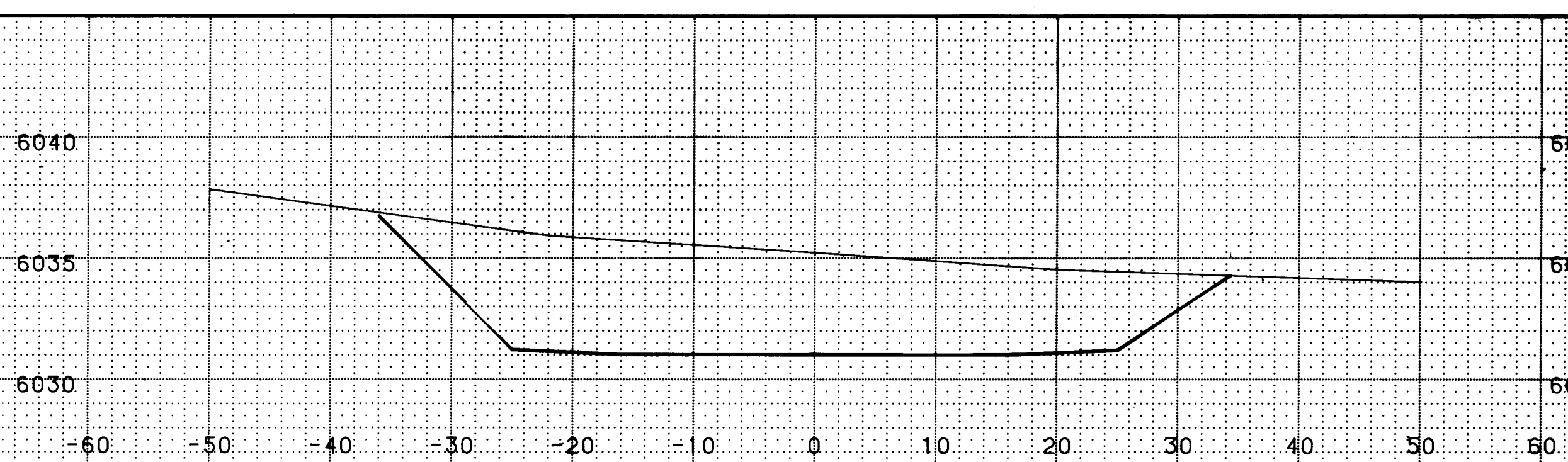
STATION 1+55.05



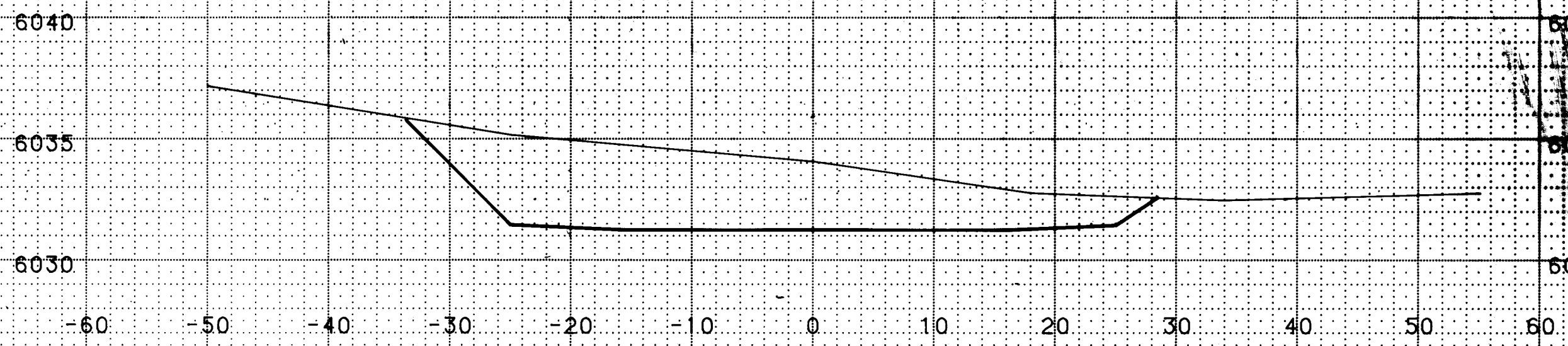
STATION 1+00.00



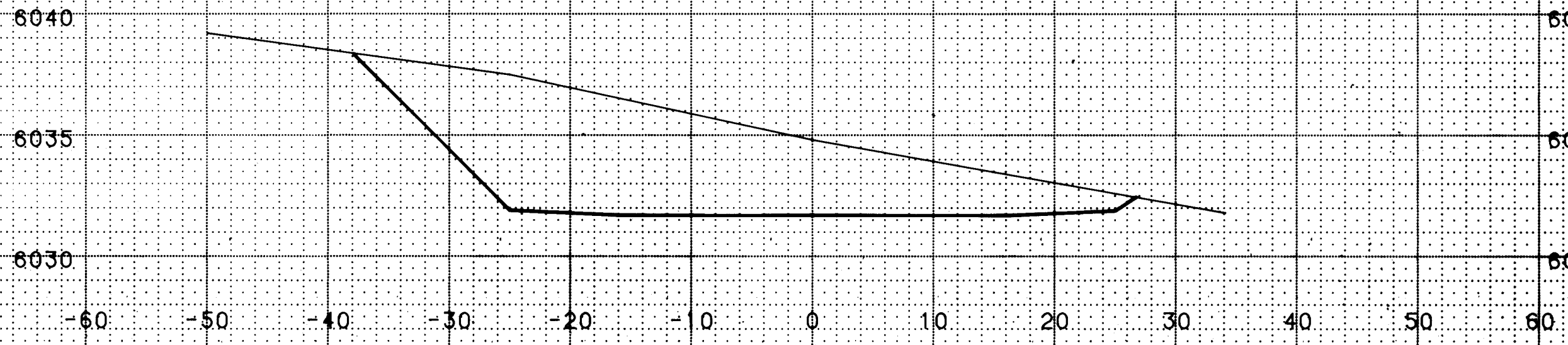
STATION 0+20.00



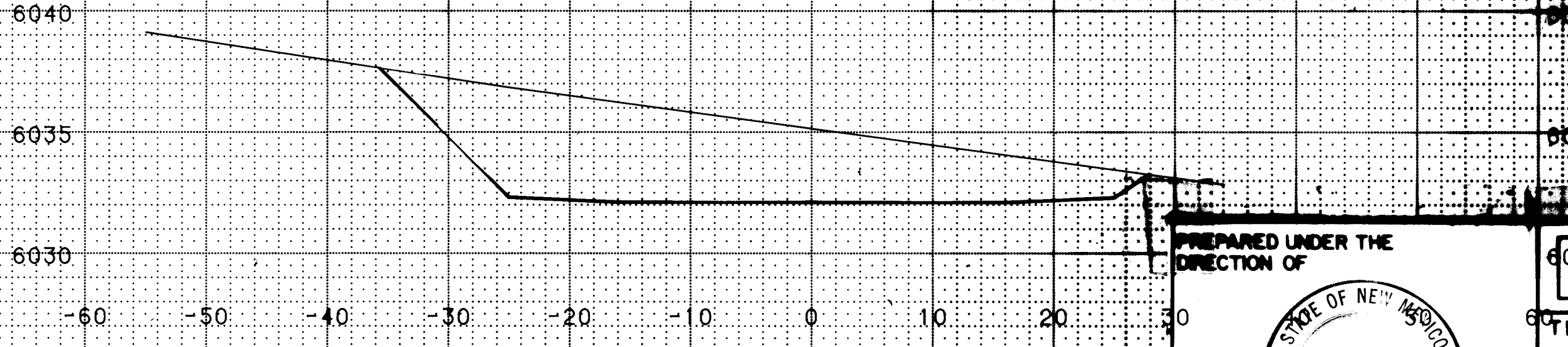
STATION 3+73.91



STATION 3+50.00

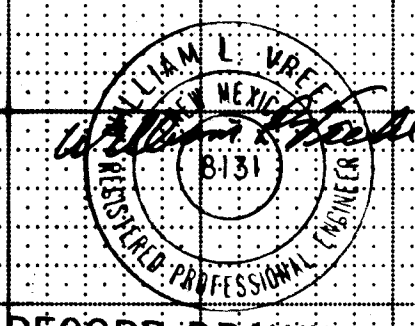


STATION 3+00.00



STATION 2+55.05

26 2007/1/86



RECORD DRAWINGS



PROJECT NUMBER

2007

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

CITY OF ALBUQUERQUE
EMBUDO HILLS - PHASE I

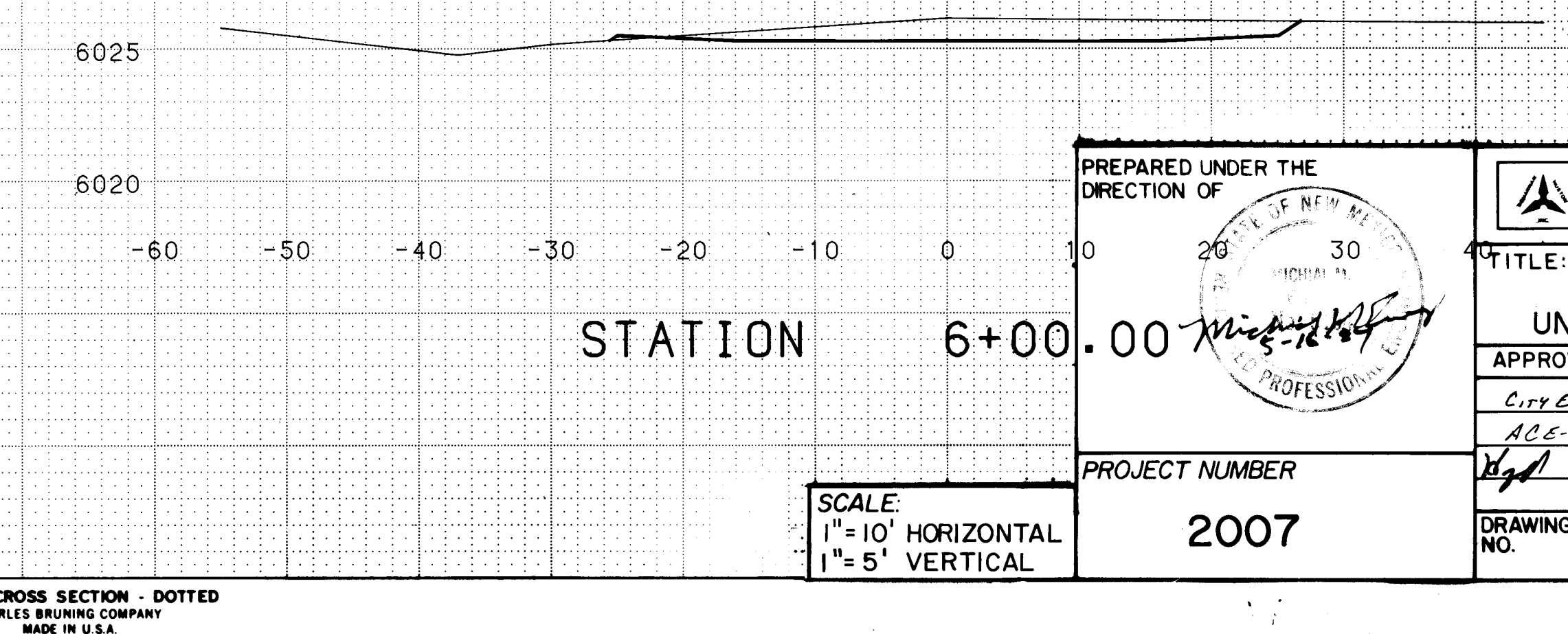
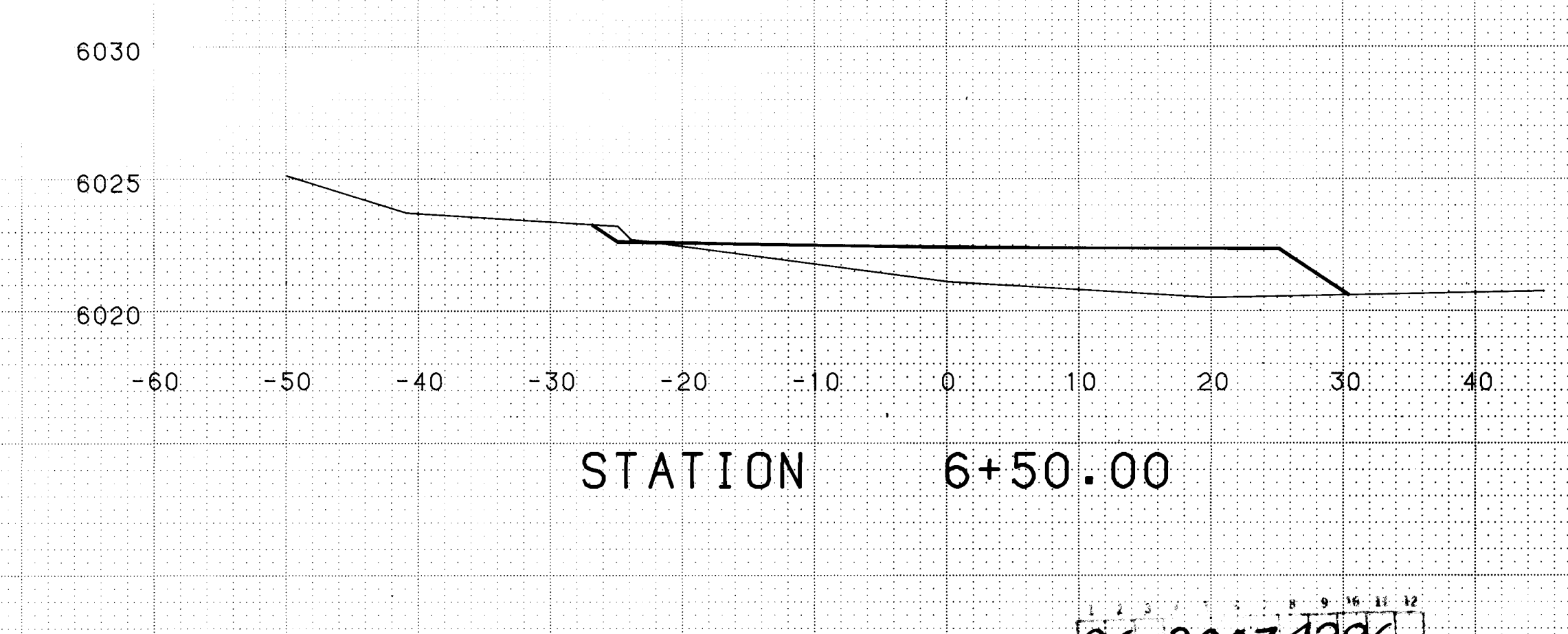
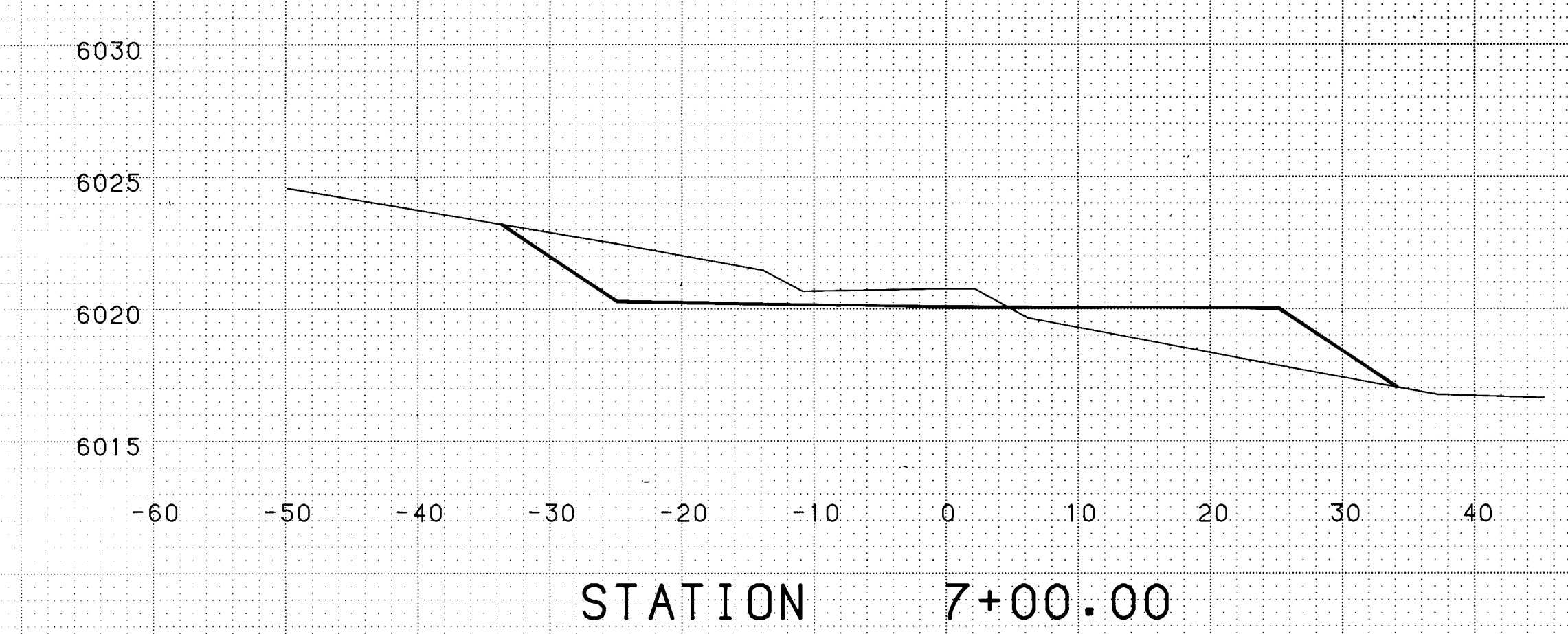
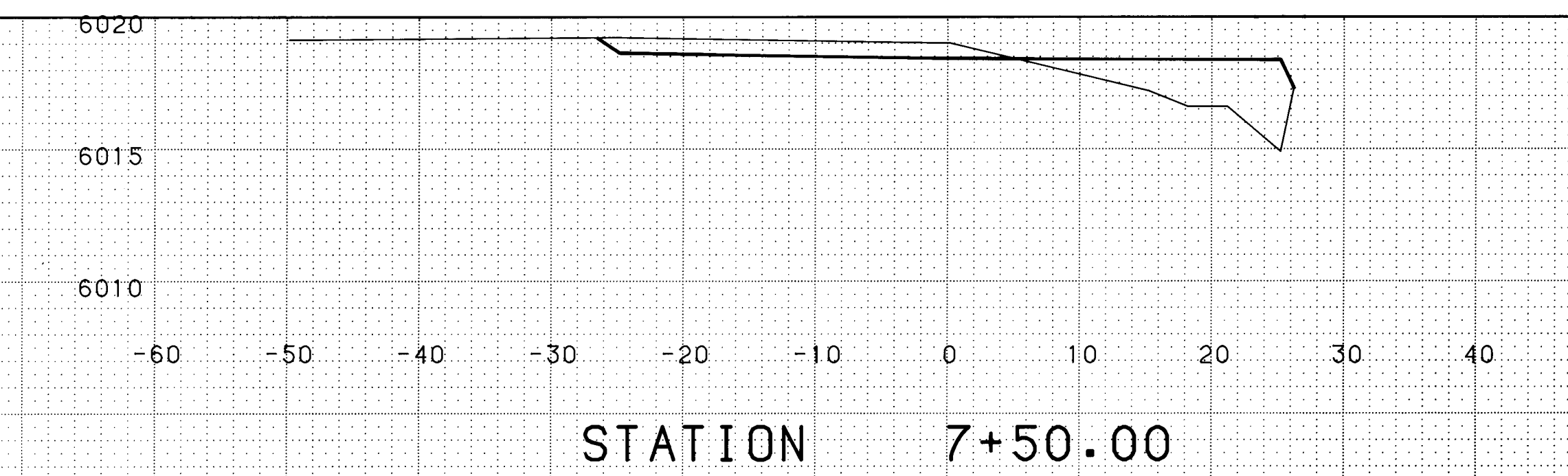
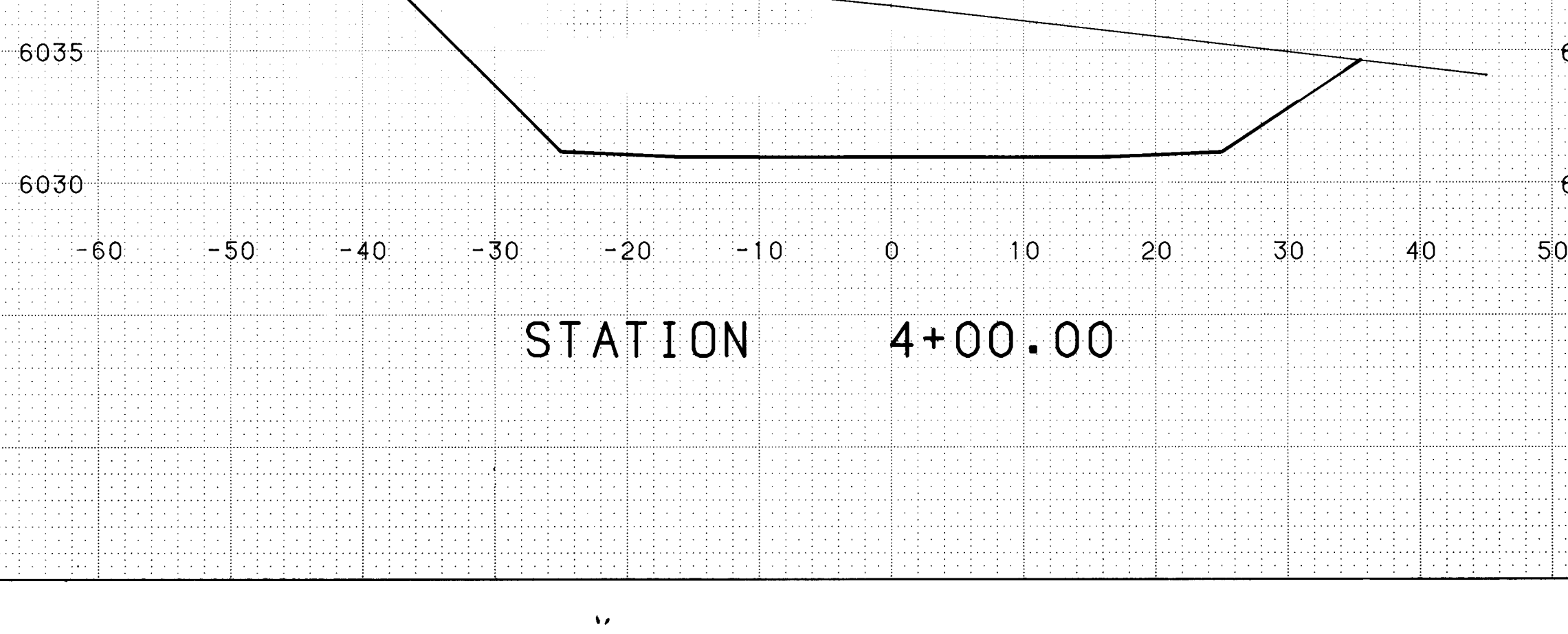
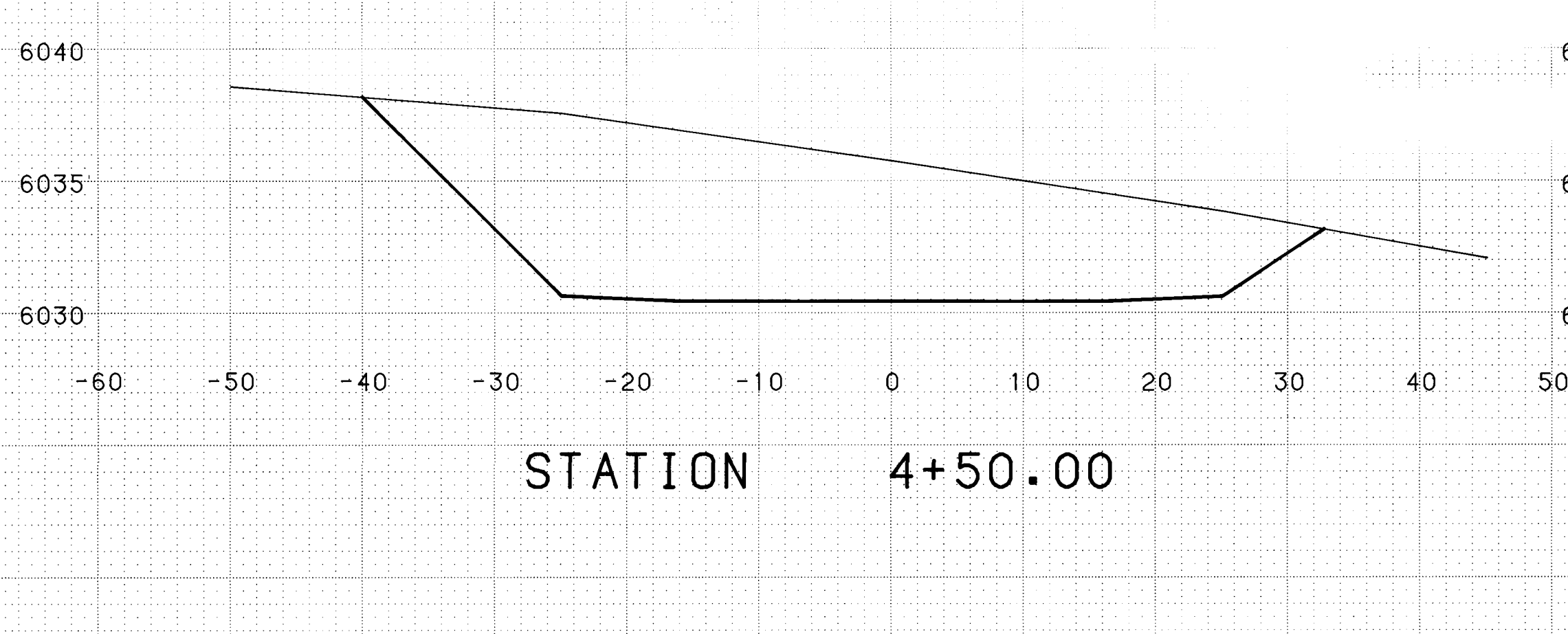
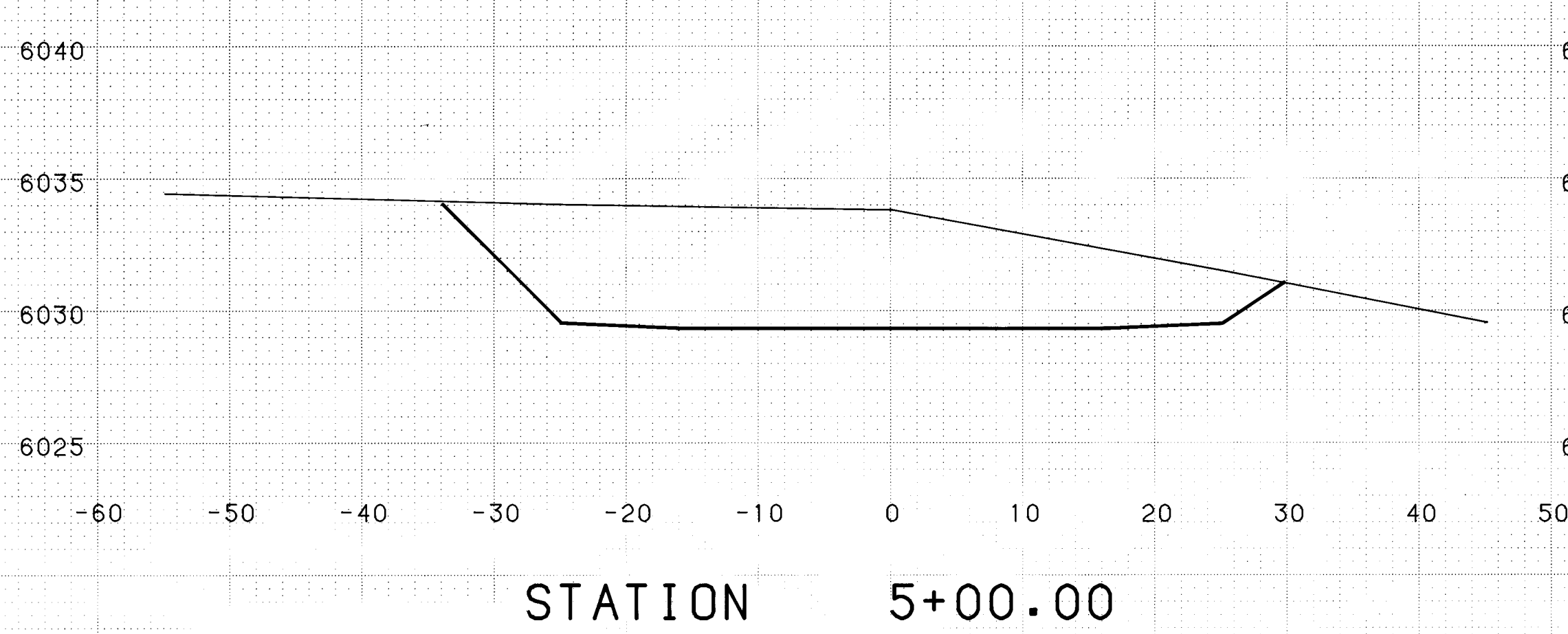
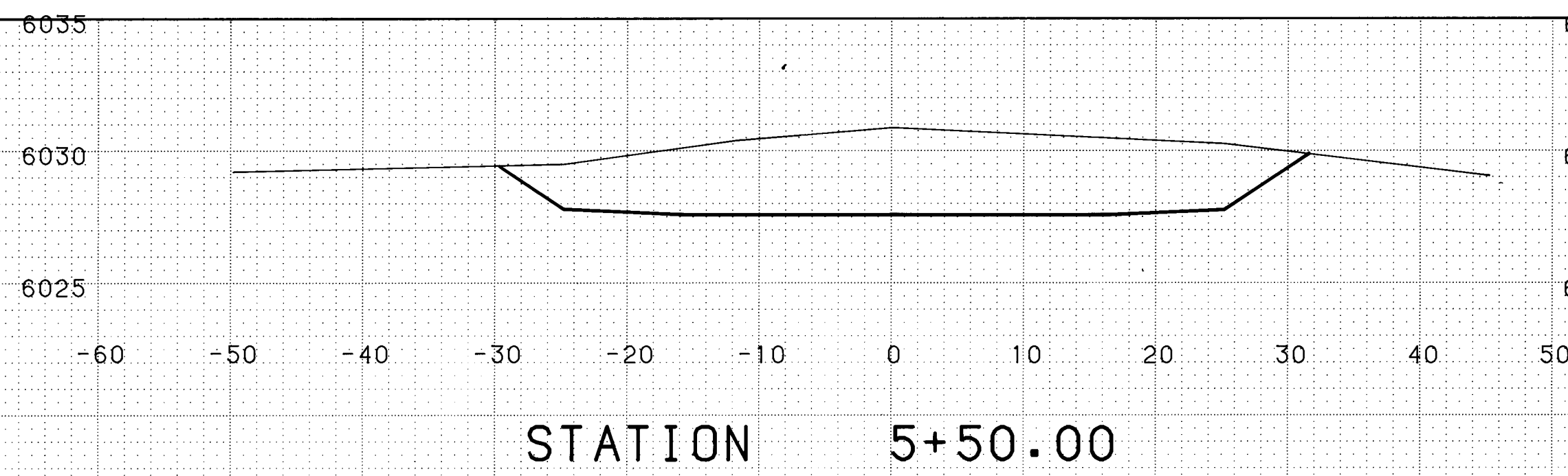
TITLE: PINNACLE VIEW DRIVE (NORTH)
UNPAVED ROADWAY CROSS-SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENG	W. Vire	1/14/07	W. Vire	W. Vire	5-20-07
ACC-D	W. Vire	1/14/07	TE	NA	2/14/07
W. Vire	W. Vire	1/14/07			

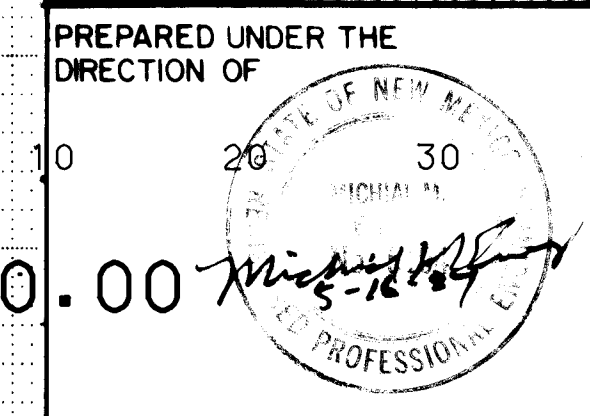
SHEET 41 OF 56

FINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	AREAS CHECKED	
NO.		

ORIGINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	AREAS CHECKED	
NO.		

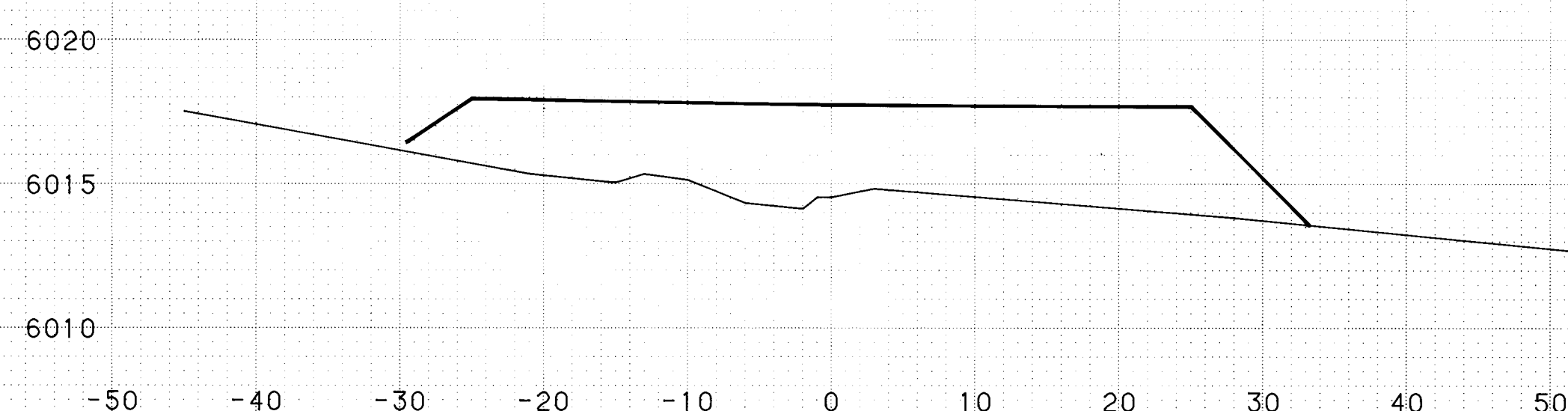


AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS				DESIGN				
CONTRACTOR	DATE	INSPECTOR	DATE	CONTRACTOR	DATE	INSPECTOR	DATE	MAP NO.	EST. NO.	W.O. NO.	NO.	BY	DATE	NO.	DATE	REMARKS	BY	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE

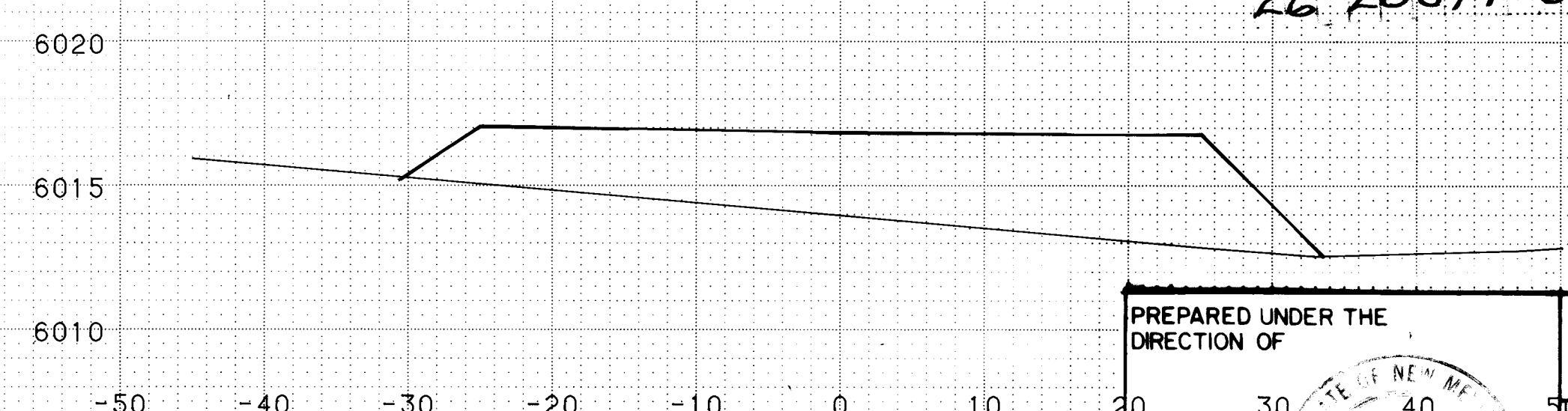


6020 CITY OF ALBUQUERQUE EMBUDO HILLS-PHASE I					
TITLE: PINNACLE VIEW DRIVE (NORTH) UNPAVED ROADWAY CROSS-SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	C. A. Shipp	1/23/14	WRD	NS	5/30/14
ACE-D	ACE-D	2/28/14	TE	NA	6/27/14
PROJECT NUMBER: 2007					
DRAWING NO. SHEET 42 OF 56					

SCALE:
1"=10' HORIZONTAL
1"=5' VERTICAL

[illegible]

STATION 8+00.00



STATION 10+00.00

REFERENCES			SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
			MAP NO.					CONTRACTOR	
			EST. NO.			NO.		WORK STARTED BY	
			W.O. NO.			BY		DATE	
								NO. OF DAYS	
								ACCEPTANCE BY	
								DATE	
								FIELD LOCATION BY	
								DATE	
								DRAWINGS	
								CORRECTED BY	
								DATE	
DESIGN									
DESIGNED BY			DATE						
DRAWN BY			DATE						
MICRO-FILM INFORMATION									
RECORDED BY			DATE						
NO.									

1/23/80

6010 CITY OF ALBUQUERQUE
EMBUDO HILLS-PHASE

60
E: PINNACLE VIEW DRIVE (NORTH)
UNPAVED ROADWAY CROSS-SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENG	<i>[Signature]</i>	1/25/04	WRD	NA WLF	5/3/04
ACE-D	<i>[Signature]</i>	1/25/04	TE	NA DWH	6/2/04
<i>[Signature]</i>	<i>[Signature]</i>	7/1/04			

PROJECT NUMBER

2007

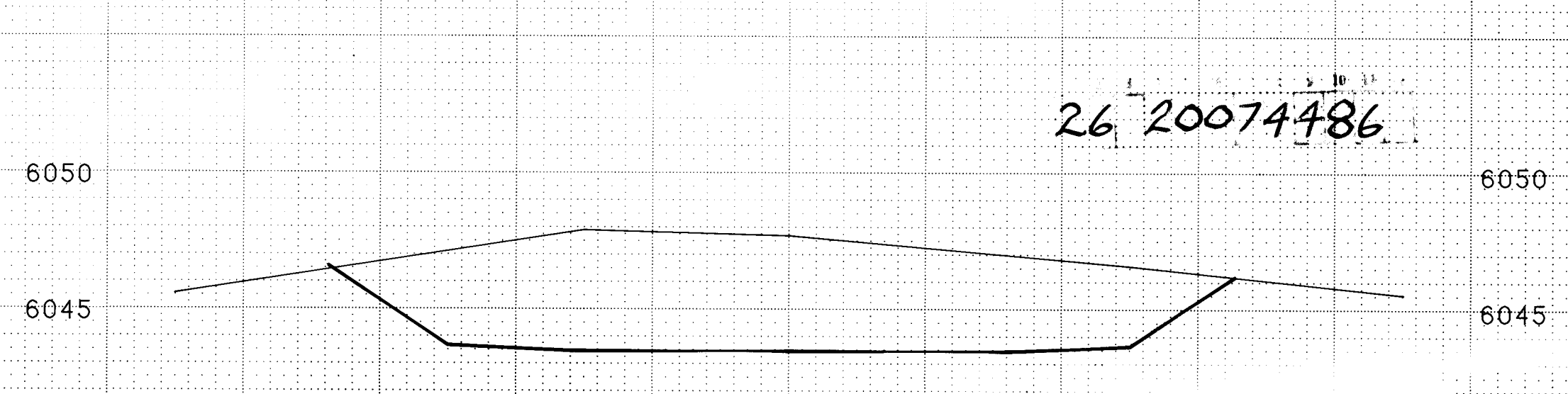
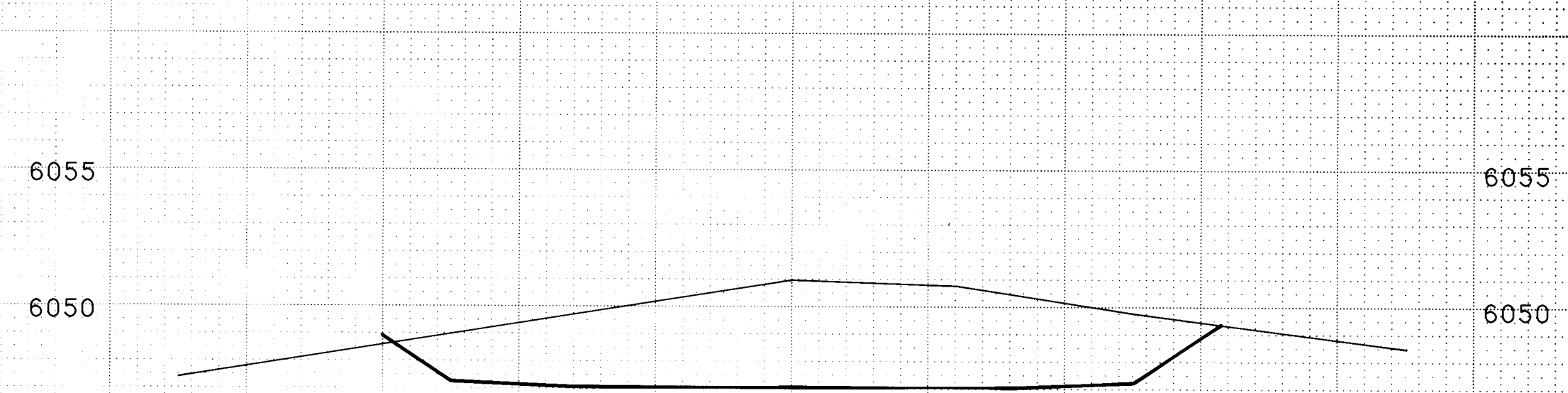
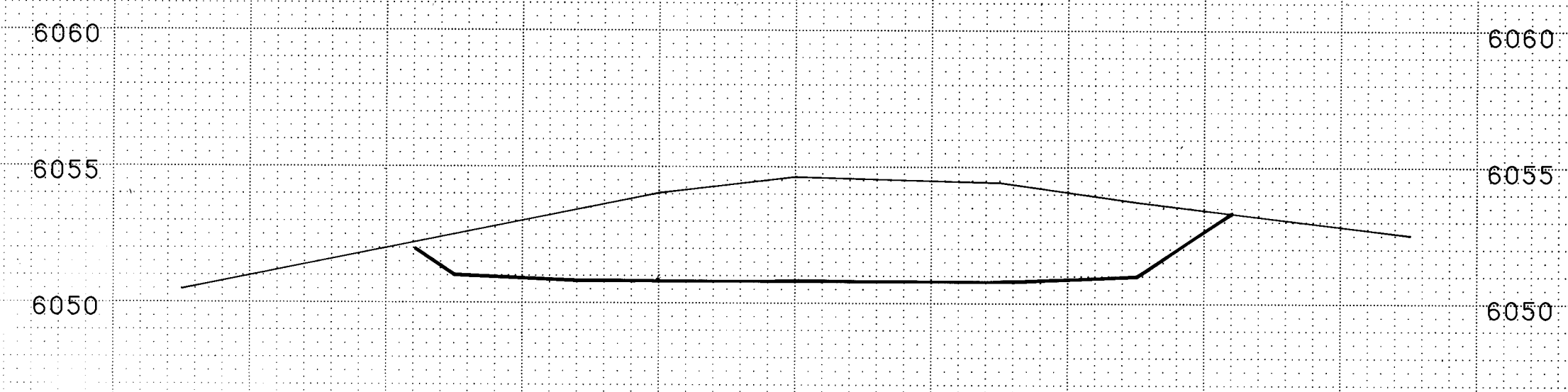
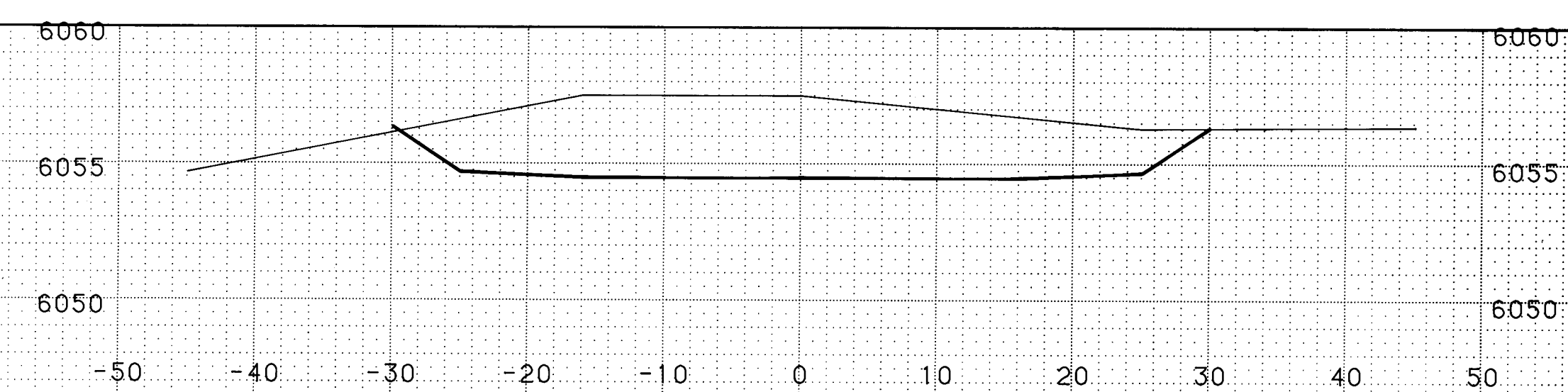
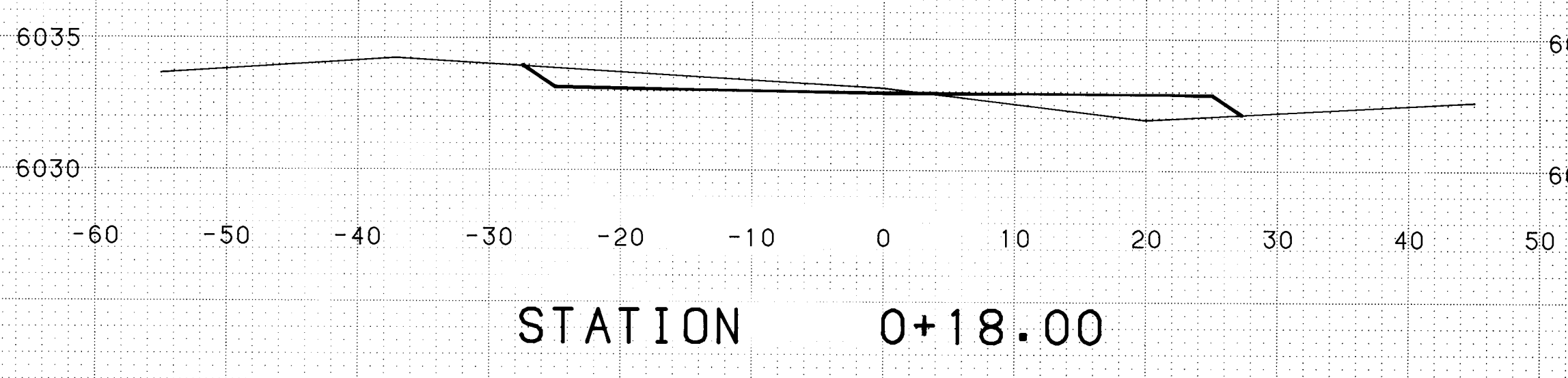
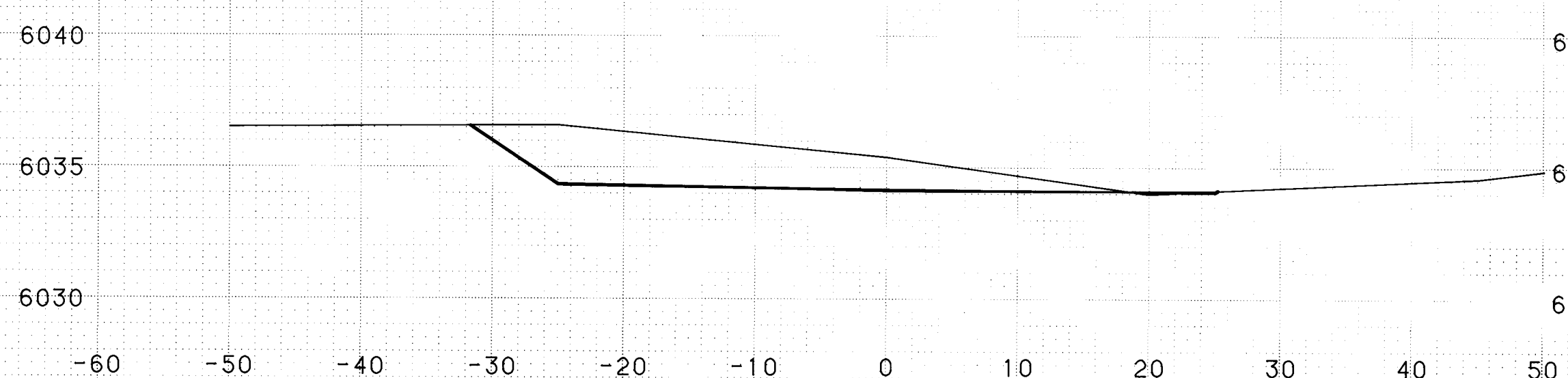
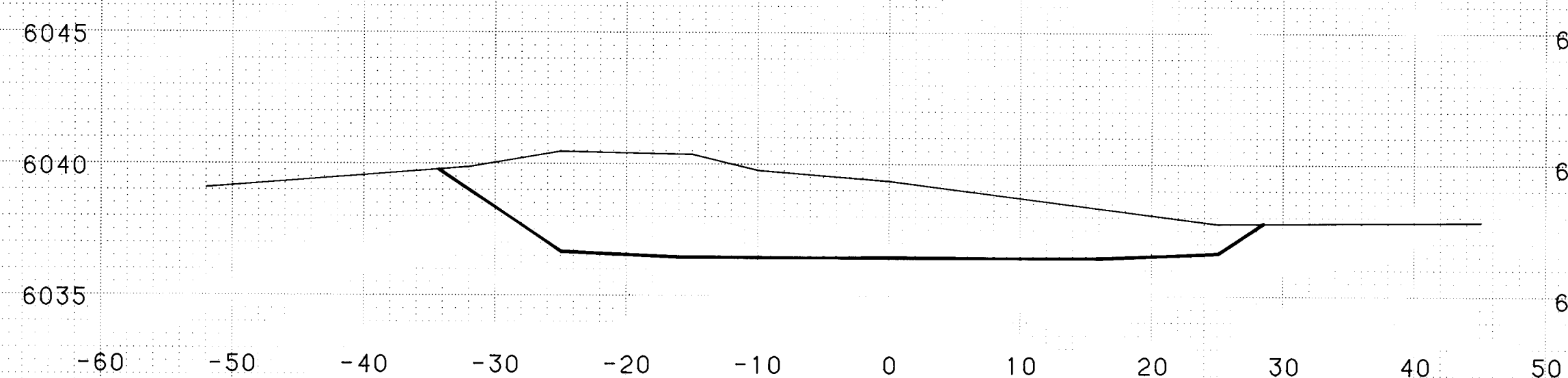
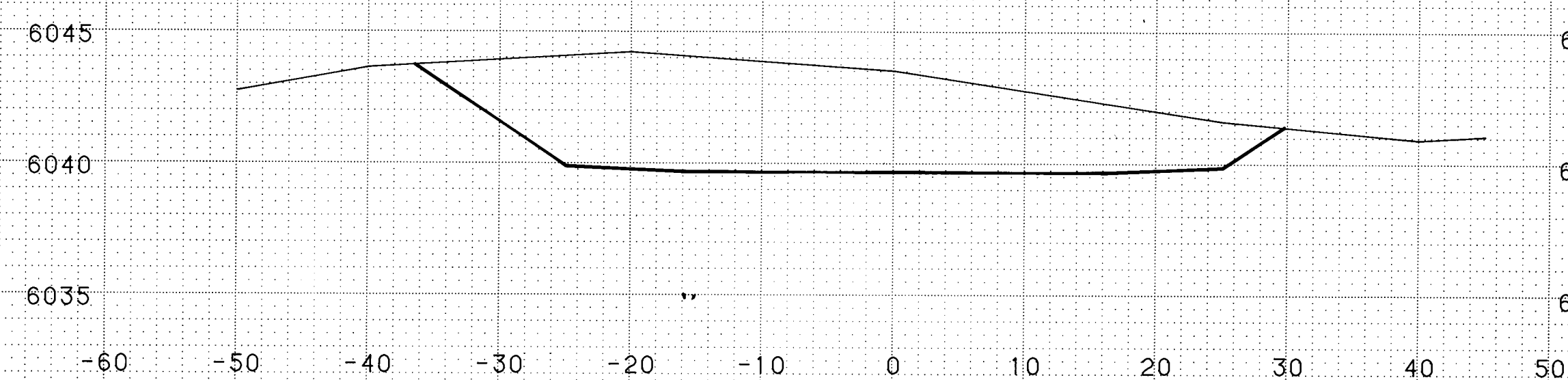
DRAWING NO.

SHEET 43 OF 56

SCALE:
1" = 10' HORIZONTAL
1" = 5' VERTICAL

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

FINAL			
SURVEY	SURVED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
NO.	_____		

[illegible]

26 20074486

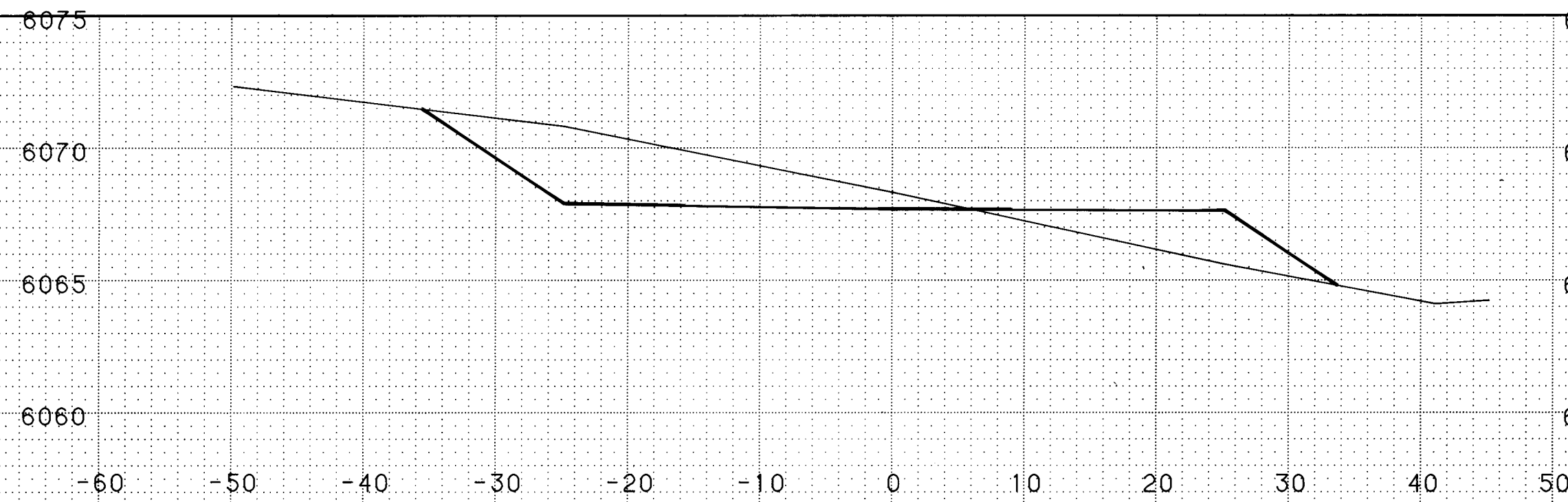
1/23/86

				REFERENCES		SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION		
				MAP NO.							CONTRACTOR		
				EST. NO.		W.O. NO.		NO.		BY		DATE	
NO.	DATE	REMARKS	BY									WORKED BY	
												INSPECTORS	
												ACCEPTANCE BY	
												DATE	
												VERIFICATION BY	
												DATE	
												CORRECTED BY	
												DATE	
												MICRO-FILM INFORMATION	
DESIGNED BY												RECORDED BY	
DATE												DATE	
DRAWN BY													
DATE													
CHECKED BY												NO.	
DATE													

PREPARED UNDER THE DIRECTION OF 	6049 	CITY OF ALBUQUERQUE EMBUDO HILLS-PHASE I																															
	TITLE: CRESTED BUTTE DRIVE UNPAVED ROADWAY CROSS-SECTIONS																																
PROJECT NUMBER 2007	<table border="1"> <thead> <tr> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>CITY ENGR</td> <td><i>[Signature]</i></td> <td>11/10/07</td> <td>WARD</td> <td>NA</td> <td>5/2/07</td> </tr> <tr> <td>ACE-D</td> <td><i>[Signature]</i></td> <td>7/26/07</td> <td>TE</td> <td>NA</td> <td>6/27/07</td> </tr> <tr> <td><i>[Signature]</i></td> <td><i>[Signature]</i></td> <td>7/10/07</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">DRAWING NO.</td> <td colspan="4">SHEET 44 OF 56</td> </tr> </tbody> </table>			APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	CITY ENGR	<i>[Signature]</i>	11/10/07	WARD	NA	5/2/07	ACE-D	<i>[Signature]</i>	7/26/07	TE	NA	6/27/07	<i>[Signature]</i>	<i>[Signature]</i>	7/10/07				DRAWING NO.		SHEET 44 OF 56			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																												
CITY ENGR	<i>[Signature]</i>	11/10/07	WARD	NA	5/2/07																												
ACE-D	<i>[Signature]</i>	7/26/07	TE	NA	6/27/07																												
<i>[Signature]</i>	<i>[Signature]</i>	7/10/07																															
DRAWING NO.		SHEET 44 OF 56																															

FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

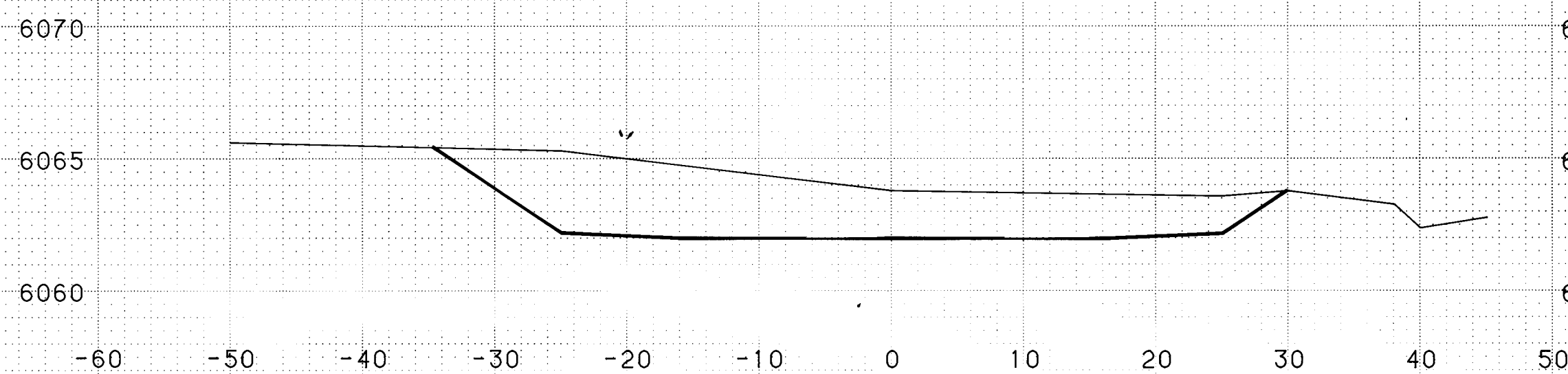
ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	



STATION 5+50.00



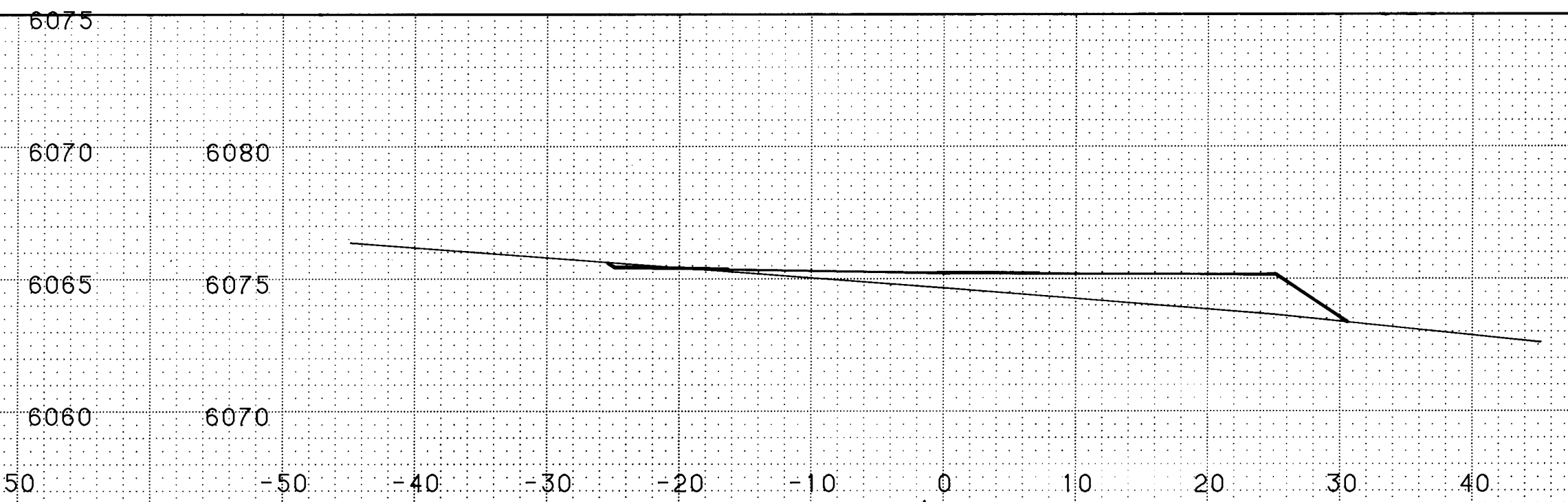
STATION 5+00.00



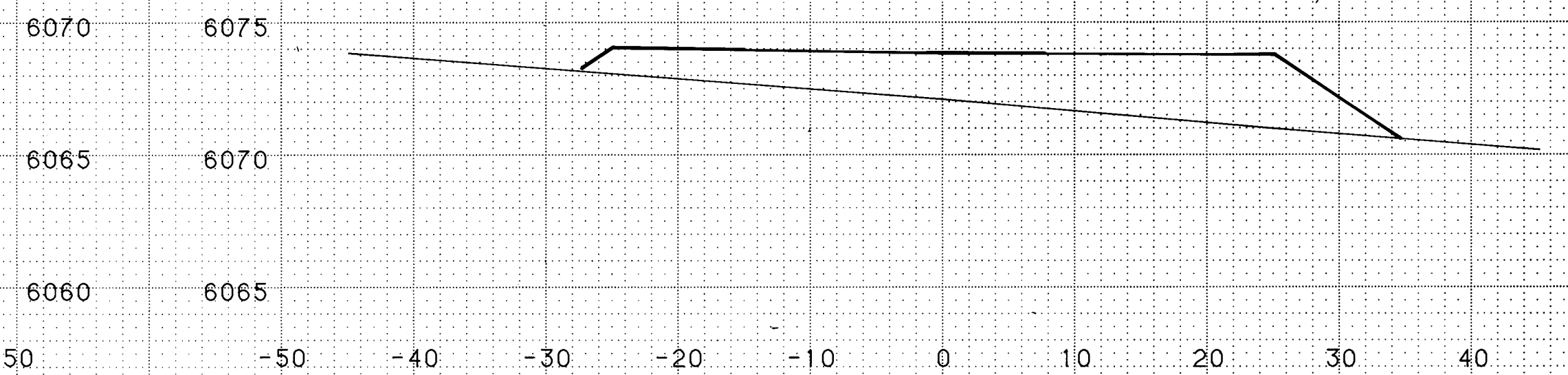
STATION 4+50.00



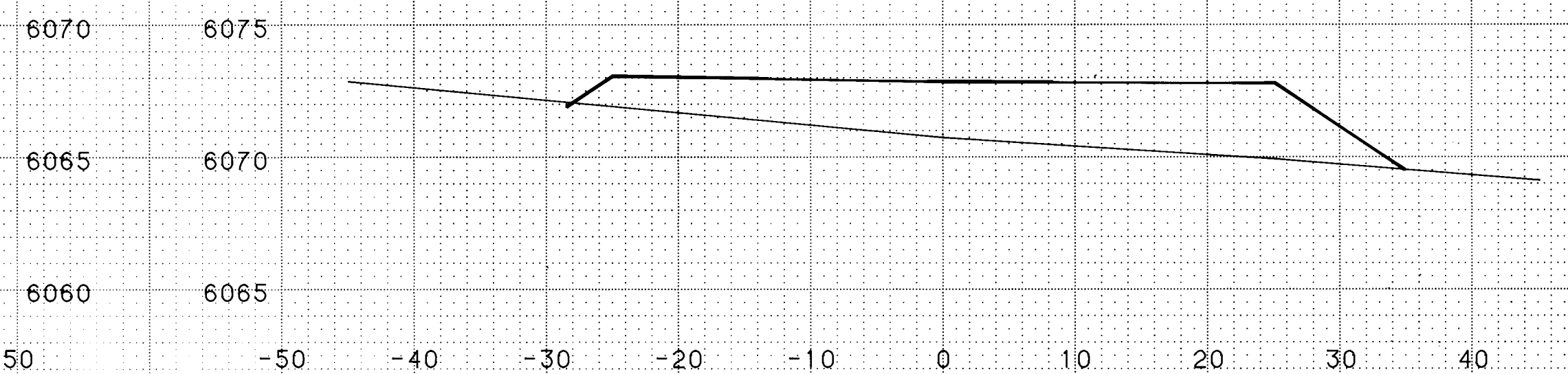
STATION 4+00.00



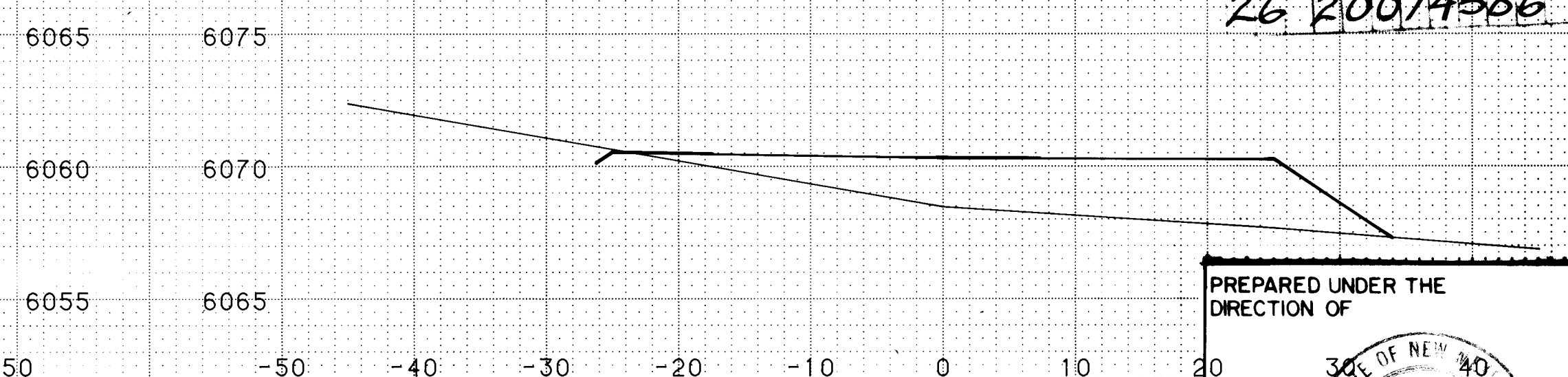
STATION 7+00.00



STATION 6+69.99



STATION 6+50.00



STATION 6+00.00

SCALE
1" = 10' HORIZONTAL
1" = 5' VERTICAL

PREPARED UNDER THE DIRECTION OF

PROJECT NUMBER 2007

CITY OF ALBUQUERQUE
EMBUDO HILLS-PHASE I

TITLE: CRESTED BUTTE DRIVE
UPAVED ROADWAY CROSS-SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	W. J. [Signature]	5/2/07	TE	W. J. [Signature]	5/2/07
ACC-D	W. J. [Signature]	9/10/07	TE	W. J. [Signature]	6/21/07

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]

REVISIONS

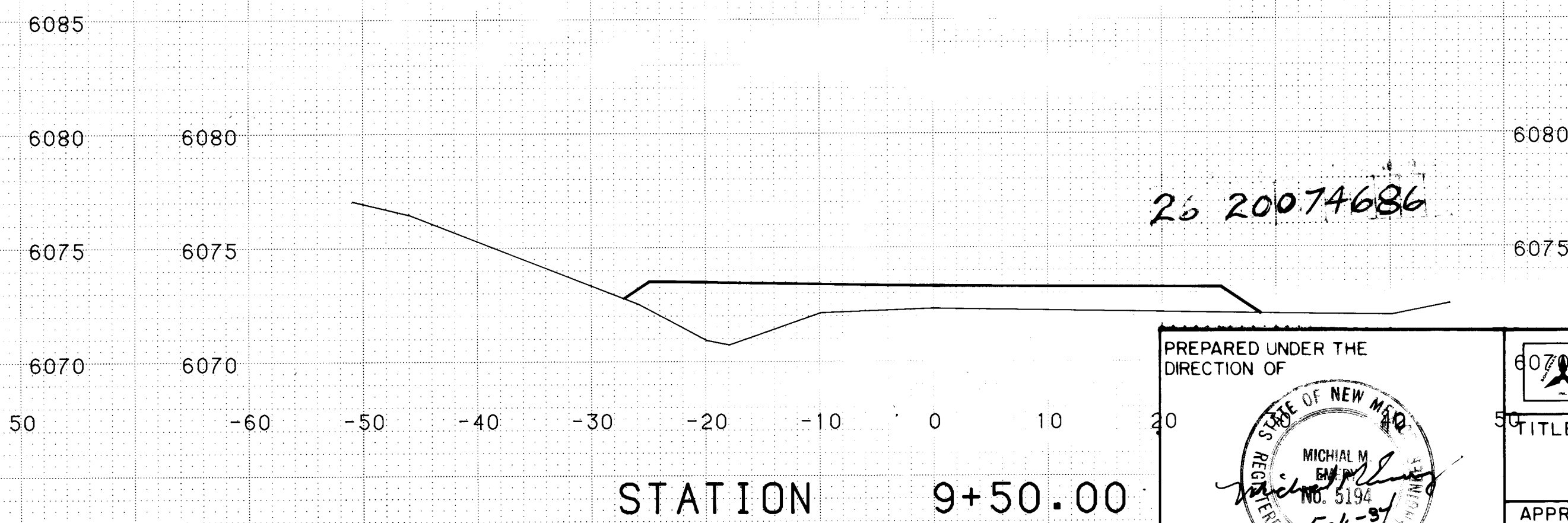
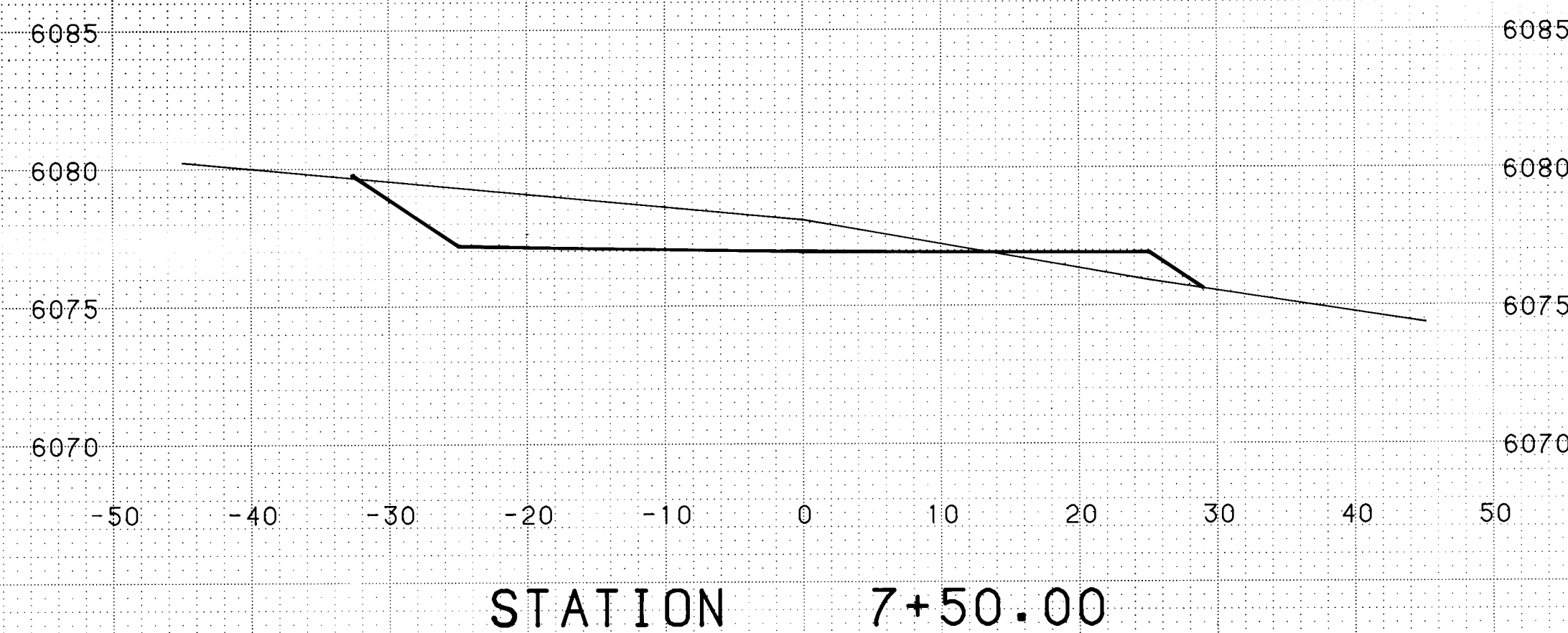
DATE: 1/23/10

26 20074586

SHEET 45 OF 56

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS		DESIGN	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	MAP NO.	EST. NO.	NO.	DATE	DESIGNED BY	DATE
WORKED BY	DATE									DRAWN BY	DATE
INSPECTORS	DATE									CHECKED BY	DATE
ACCEPTANCE BY	DATE										
VERIFICATION BY	DATE										
COMPLETED BY	DATE										
MICRO-FILM INFORMATION											
RECORDED BY											
NO.											

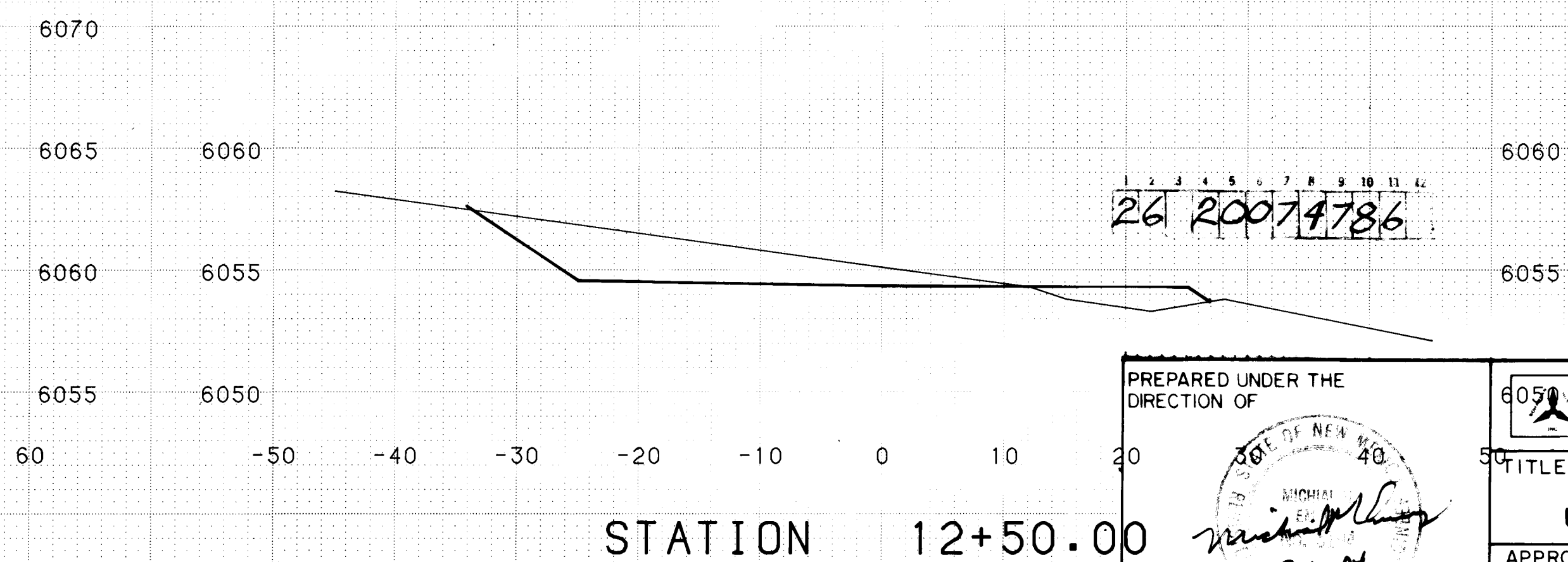
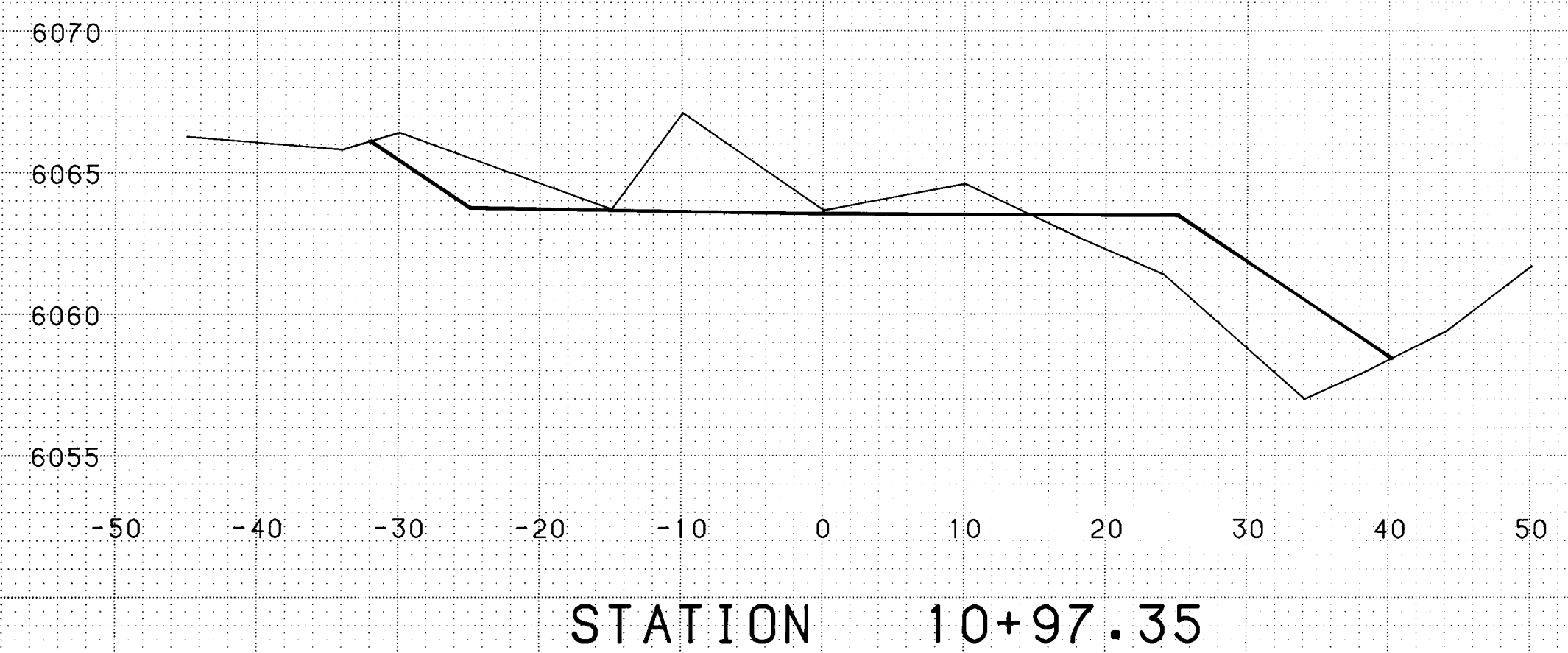
	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
ORIGINAL SURVEY			
NOTE BOOK			
NO			



2007

				REFERENCES		SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
				MAP NO.						CONTRACTOR		
				EST. NO.	W.O. NO.		NO.	BY	DATE	STARTED BY		DATE
										INSPECTOR'S		DATE
										FIELD CHANGE BY		DATE
										VERIFICATION BY		DATE
										CORRECTED BY		DATE
										MICRO-FILM INFORMATION		
DESIGNED BY		DATE								RECORDED BY		DATE
DRAWN BY		DATE								NO.		
CHECKED BY		DATE										

ORIGINAL	SURVEYED _____	BY _____	DATE _____
SURVEY	PLOTTED _____		
NOTE BOOK	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

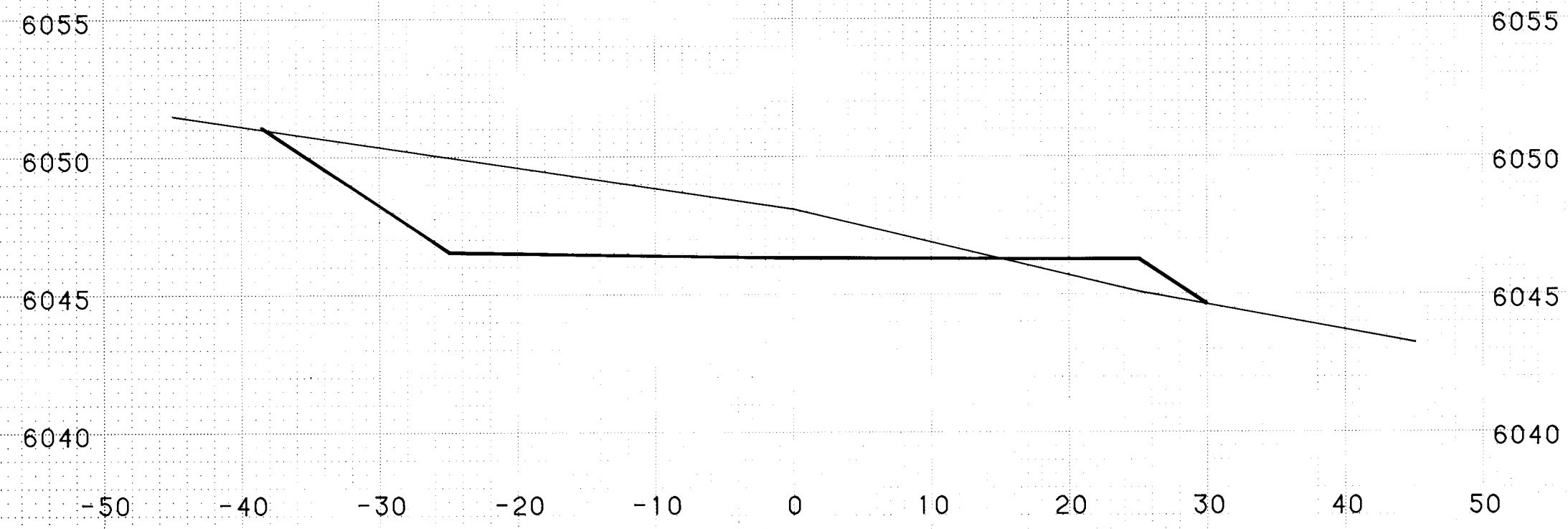


		REFERENCES		SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
		MAP NO.								
		EST. NO.		W.O. NO.		NO.		BY		
								DATE		
NO.	DATE	REMARKS	BY							
REVISIONS DESIGN										
DESIGNED BY	DATE									
DRAWN BY	DATE									
CHECKED BY	DATE									
CONTRACTOR WORK STORED BY INSPECTOR'S ACCEPTANCE BY DATE DATE DATE DATE DATE DATE										
DRAWINGS CONNECTED BY DATE										
MICRO-FILM INFORMATION RECORDED BY DATE NO.										

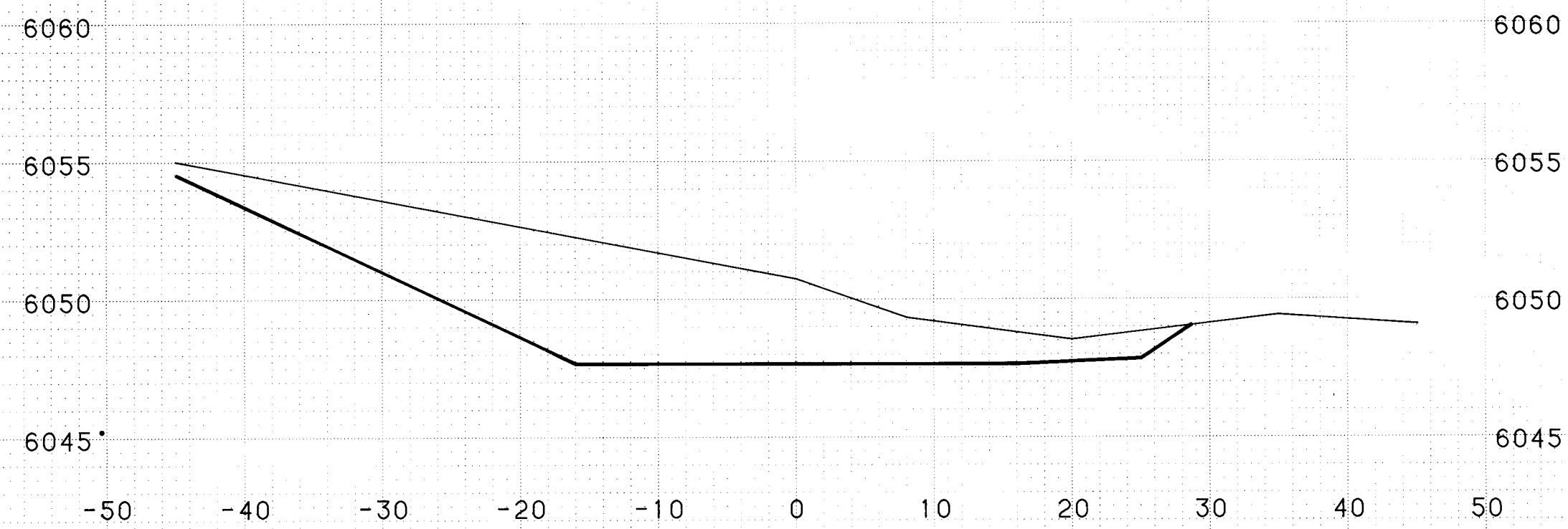
PREPARED UNDER THE DIRECTION OF  5-16-81	6050	CITY OF ALBUQUERQUE EMBUDO HILLS - PHASE I																									
TITLE: CRESTED BUTTE DRIVE UNPAVED ROADWAY CROSS - SECTIONS																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 25%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 25%;">DATE</th> </tr> </thead> <tbody> <tr> <td>CITY ENGR</td> <td>C. Edwards</td> <td>11/1/81</td> <td>WRD</td> <td>NA WEF</td> <td>5/20/81</td> </tr> <tr> <td>ACC - D</td> <td>AC Chan</td> <td>2/16/82</td> <td>TE</td> <td>NA DWH</td> <td>6/21/81</td> </tr> <tr> <td><i>Handwritten initials</i></td> <td><i>John Zuck</i></td> <td>2/16/82</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	CITY ENGR	C. Edwards	11/1/81	WRD	NA WEF	5/20/81	ACC - D	AC Chan	2/16/82	TE	NA DWH	6/21/81	<i>Handwritten initials</i>	<i>John Zuck</i>	2/16/82				PROJECT NUMBER 2007	
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																						
CITY ENGR	C. Edwards	11/1/81	WRD	NA WEF	5/20/81																						
ACC - D	AC Chan	2/16/82	TE	NA DWH	6/21/81																						
<i>Handwritten initials</i>	<i>John Zuck</i>	2/16/82																									
DRAWING NO.		SHEET 47 OF 56																									

FINAL	SURVEY	DATE
SURVEY	BY	
NOTE BOOK		
NO.		

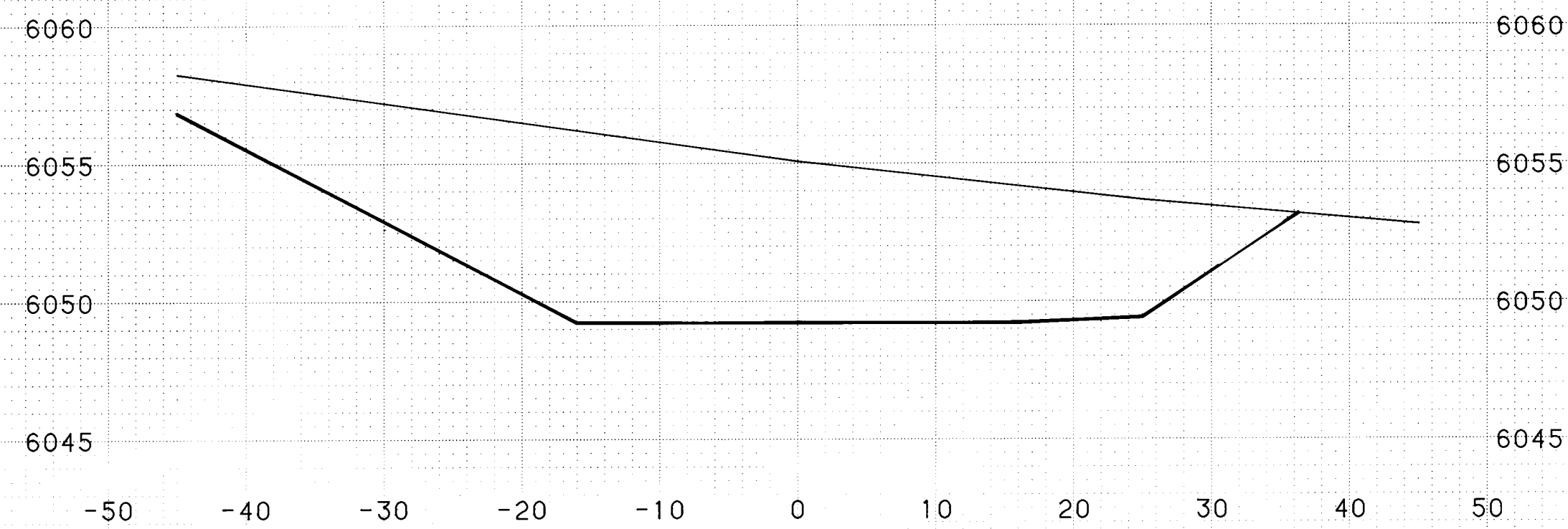
ORIGINAL	SURVEY	DATE
SURVEY	BY	
NOTE BOOK		
NO.		



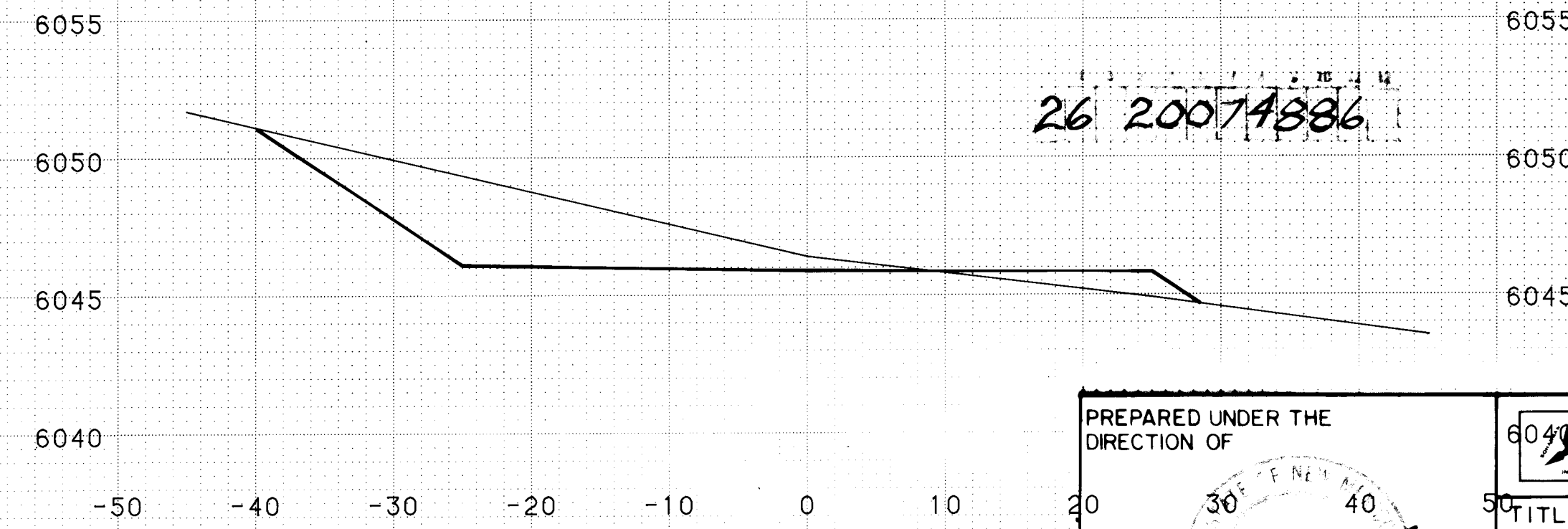
STATION 15+00.00



STATION 14+50.00



STATION 14+00.00

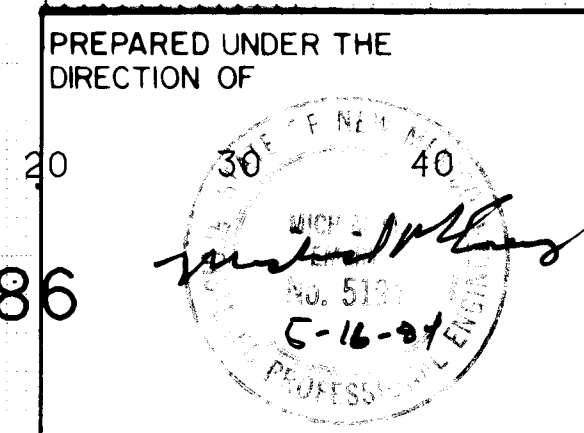


STATION 15+19.86

26 20074886

1/22/04

SCALE:
1" = 10' HORIZONTAL
1" = 5' VERTICAL

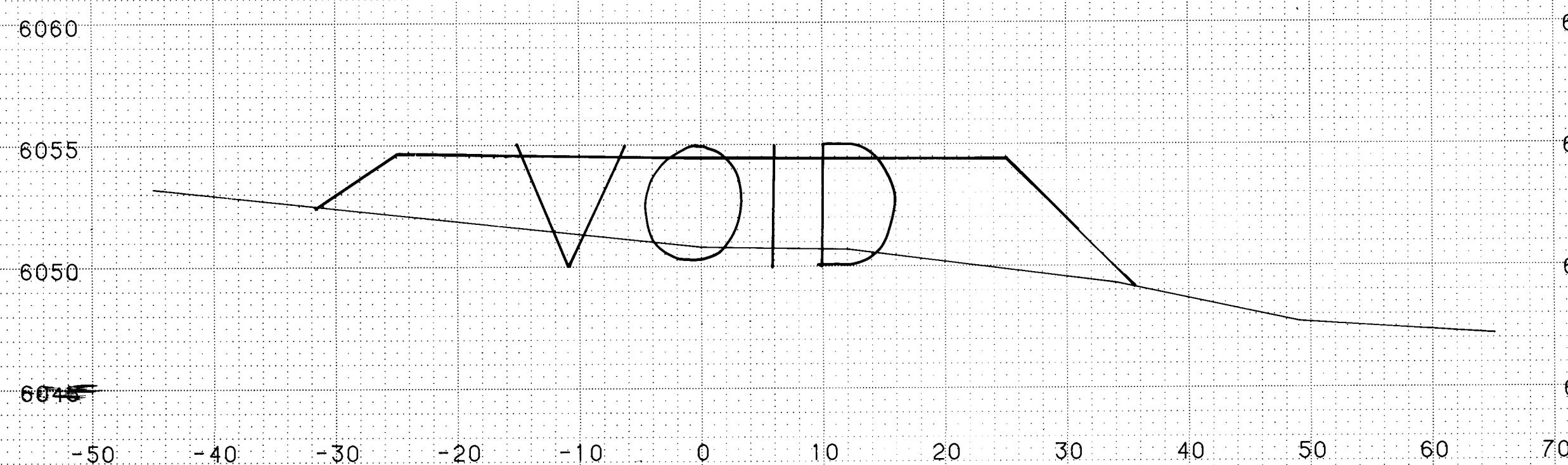


PROJECT NUMBER
2007

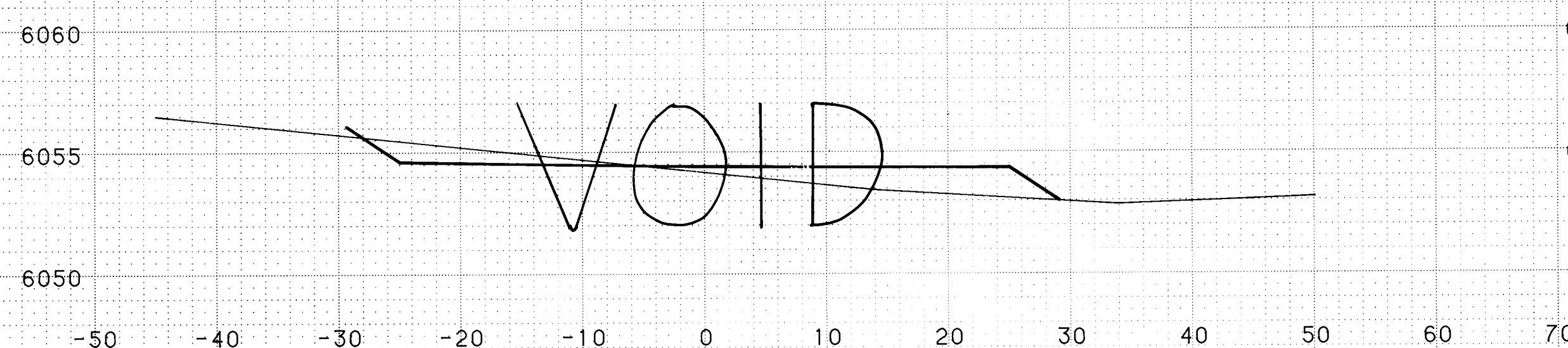
CITY OF ALBUQUERQUE EMBUDO HILLS - PHASE I		
TITLE: CRESTED BUTTE DRIVE UNPAVED ROADWAY CROSS-SECTIONS		
APPROVALS	ENGINEER	DATE
CITY ENGR	W.D.	5/30/04
ACC-D	TE	6/21/04
DESIGNED BY: DATE		
DRAWN BY: DATE		
CHECKED BY: DATE		

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS		DESIGN	
CONTRACTOR	NO.	WORK	DATE	NO.	BY	DATE	MAP NO.	EST. NO.	W.O. NO.	NO.	DATE
STATED BY	NO.	ACCEPTANCE BY	DATE	NO.	BY	DATE	NO.	NO.	NO.	NO.	NO.
FIELD	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
CORRECTED BY	NO.	CORRECTED BY	DATE	CORRECTED BY	DATE	CORRECTED BY	CORRECTED BY	CORRECTED BY	CORRECTED BY	CORRECTED BY	CORRECTED BY
RECORDED BY	NO.	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	RECORDED BY	RECORDED BY	RECORDED BY	RECORDED BY	RECORDED BY

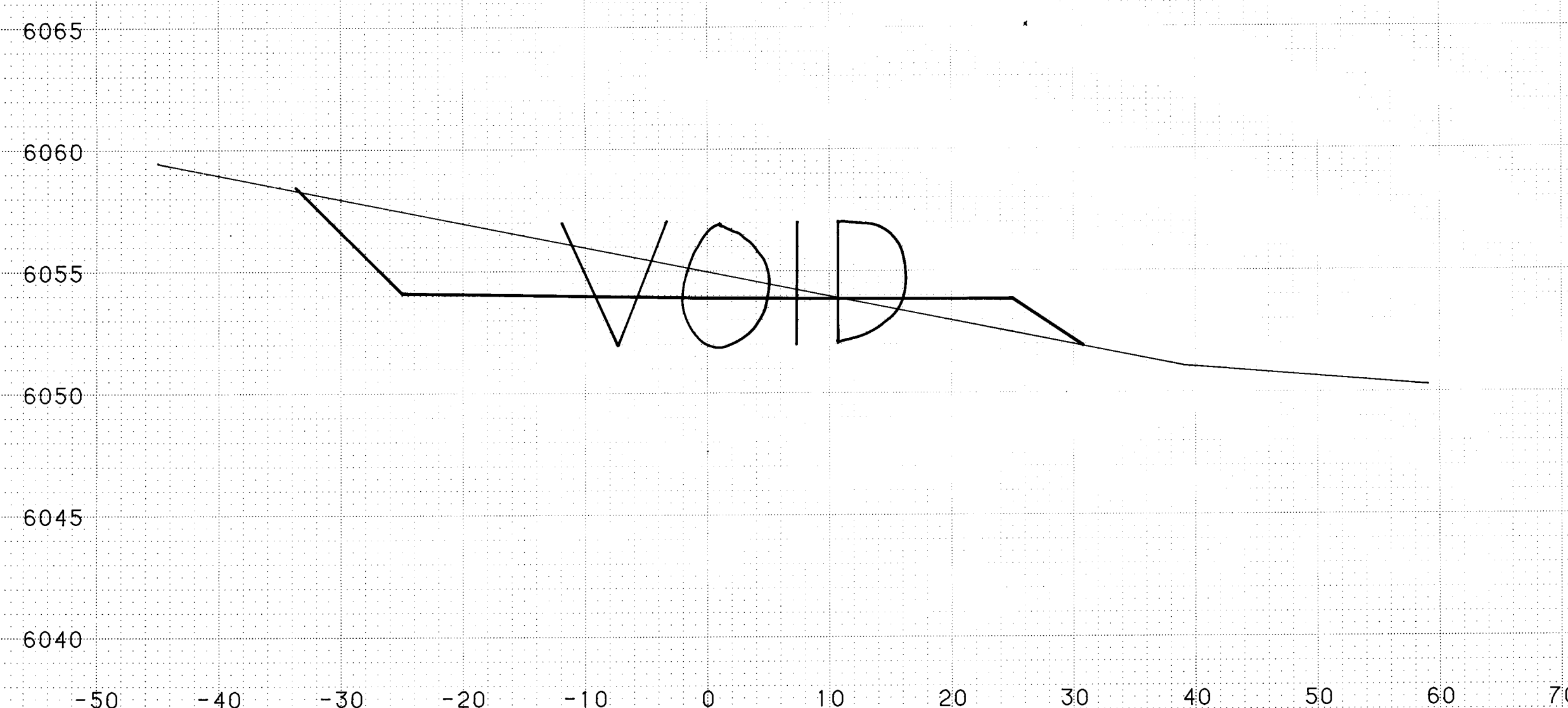
FINAL						
SURVEY	SURVEYED _____				BY	DATE
NOTE BOOK	PLOTTED _____					
	TEMPLATE _____					
	AREAS _____					
	AREAS CHECKED _____					
NO	_____					

[illegible]

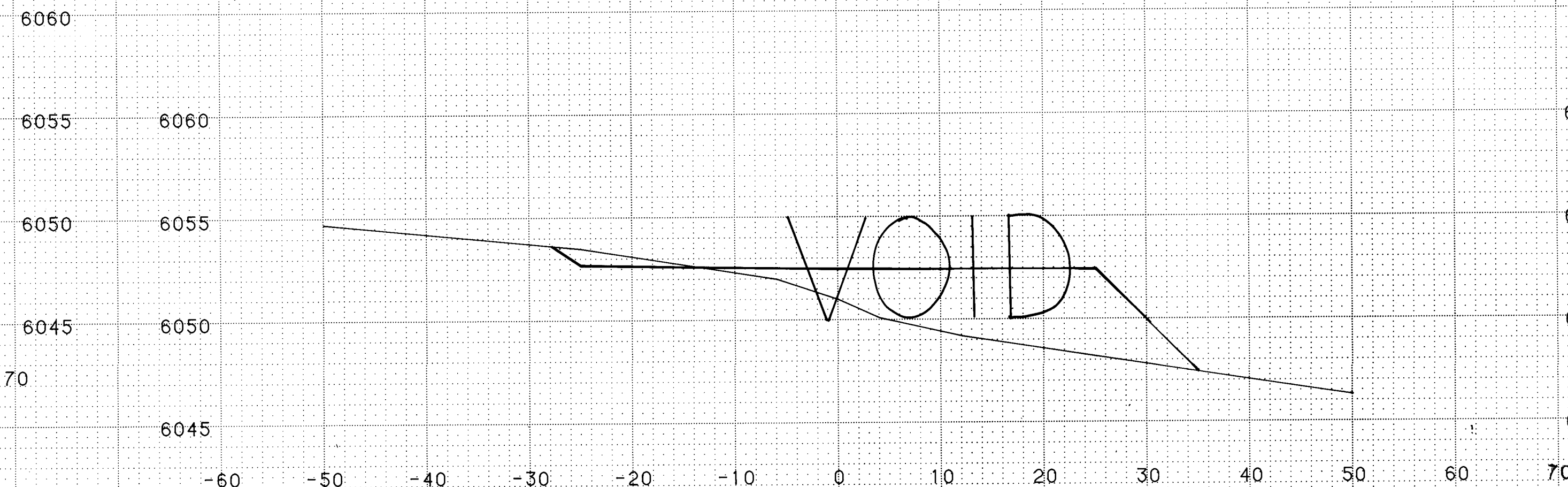
STATION 14+50.00



STATION 14+00.00



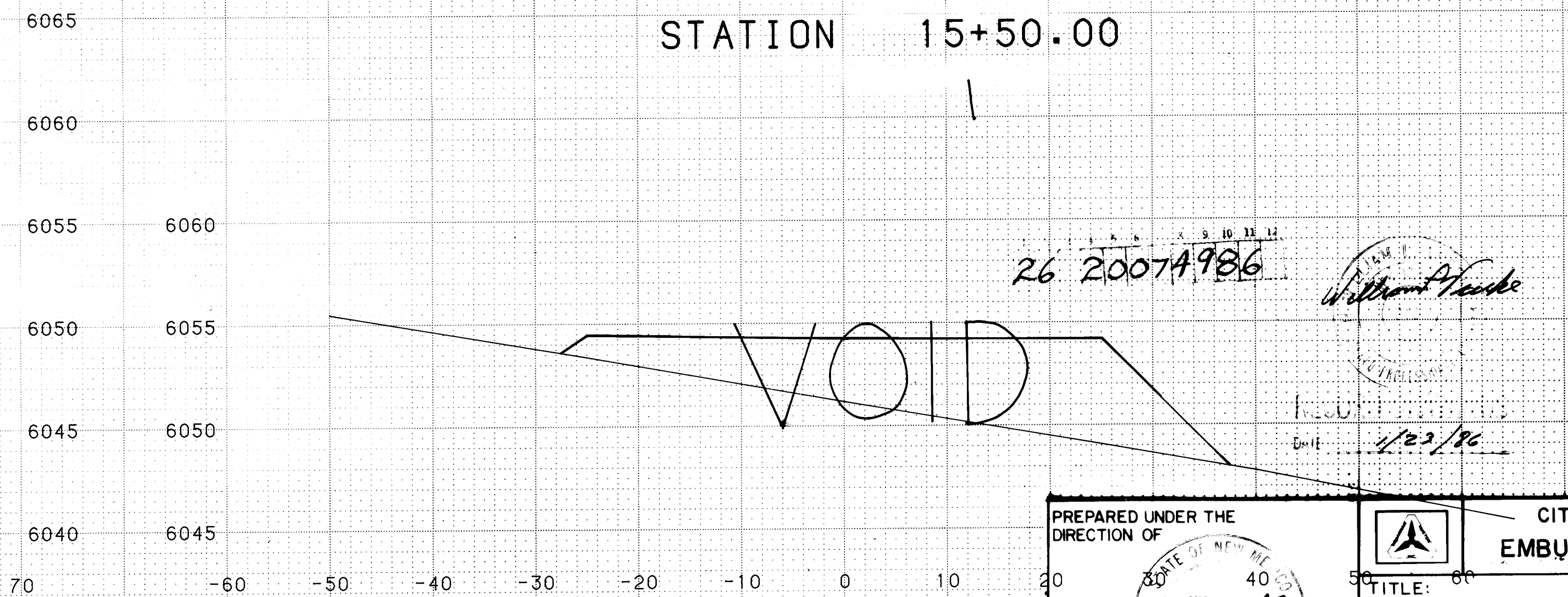
STATION 13+44.33



STATION	16+00.00
---------	----------



STATION 15+50.00



STATION 15+00.00

SCALE:
1" = 10' HORIZONTAL
1" = 5' VERTICAL

PREPARED UNDER THE
DIRECTION OF

20 30 40

0.00

STATE OF NEW YORK
REGISTERED PROFESSIONAL ENGINEER
MICHAEL J. S. [Signature]
No. 519
5-16-84

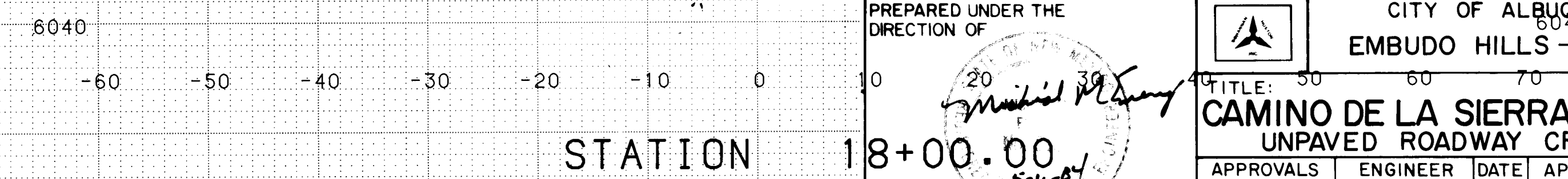
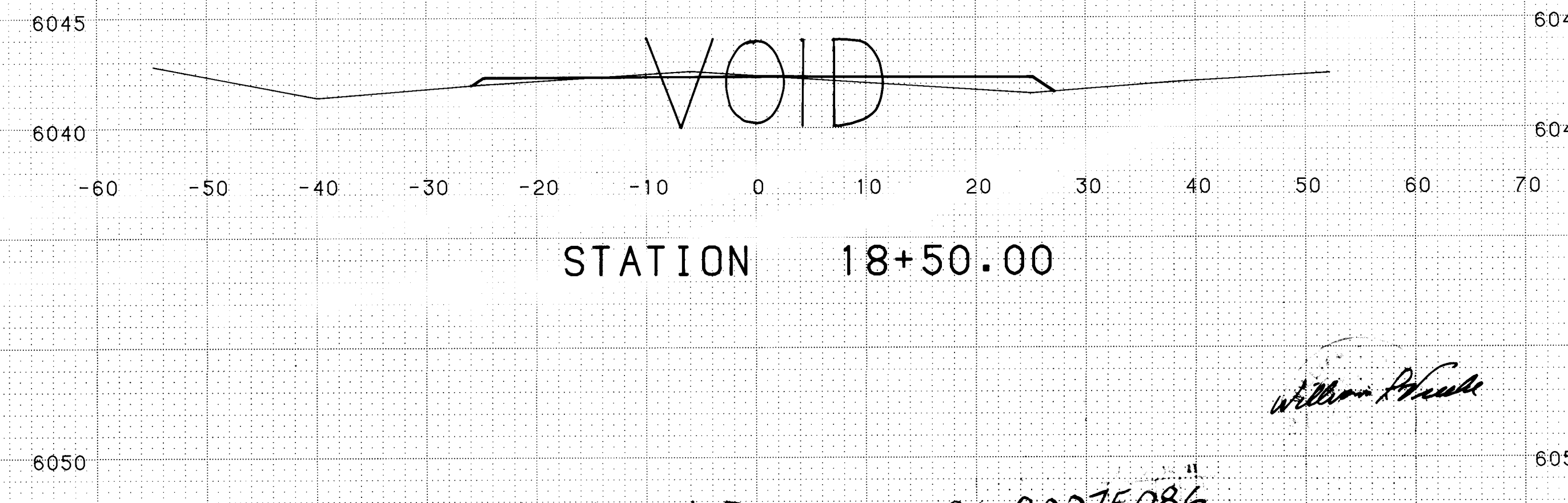
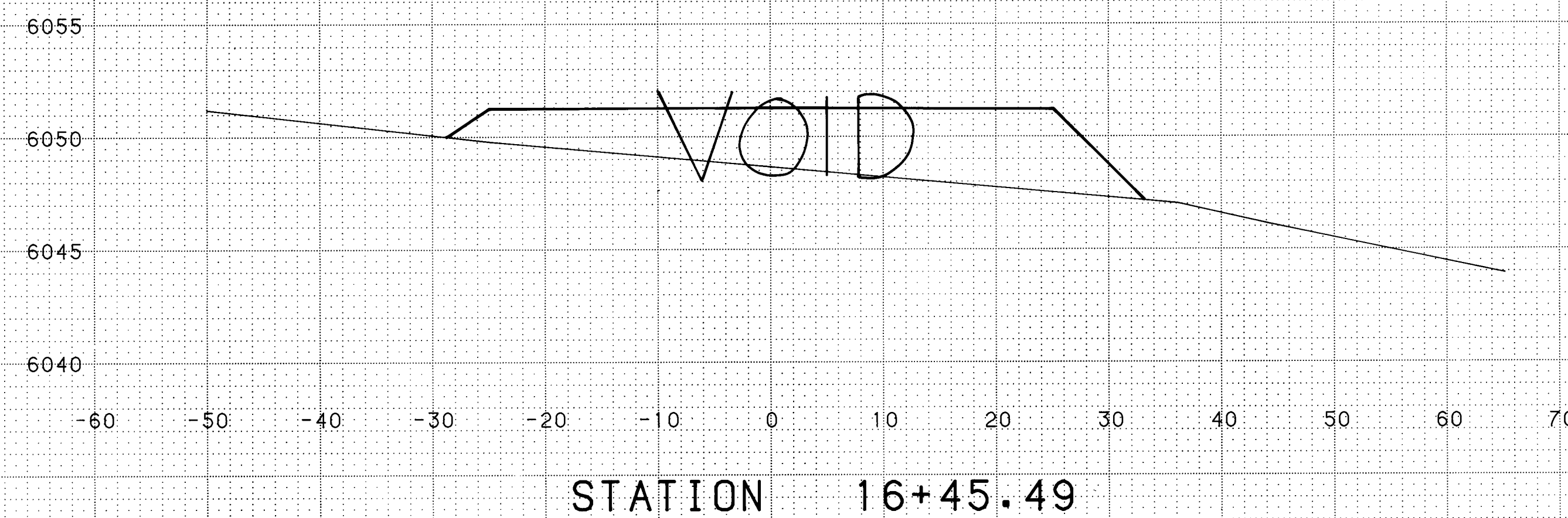
PROJECT NUMBER

2007

		CITY OF ALBUQUERQUE EMBUDO HILLS - PHASE I			
TITLE: CAMINO DE LA SIERRA / LOMAS BLVD UNPAVED ROADWAY CROSS - SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENG	<i>C. Chumley</i>	11/11/89	WRD	NA Wfz	5/21/89
ACC - D	<i>A. R. Dean</i>	7/15/89	TE	NA DWH	6/12/89
<i>W. J. Smith</i>	<i>John Smith</i>	7/14/89			
DRAWING			SHEET 49 OF 56		

			REFERENCES		SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION		
			MAP NO.	EST. NO.	W.O. NO.	NO.	BY	DATE	CONTRACTOR			
									WORKED BY			
									INSPECTOR'S			
									ACCEPTANCE BY			
									VERIFICATION BY			
									DATE			
									CORRECTED BY			
									DATE			
										MICRO-FILM INFORMATION		
										RECORDED BY		
										DATE		
										NO.		
DESIGNED BY												
DATE												
DRAWN BY												
DATE												
CHECKED BY												
DATE												

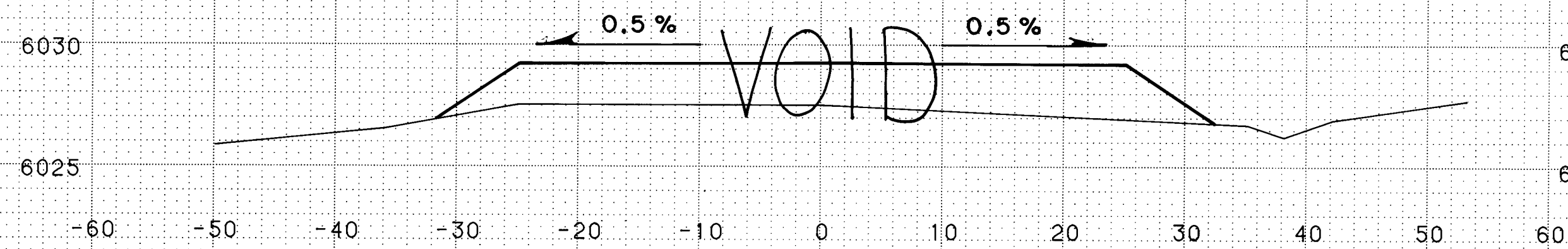
ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
NO. _____	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

[illegible]

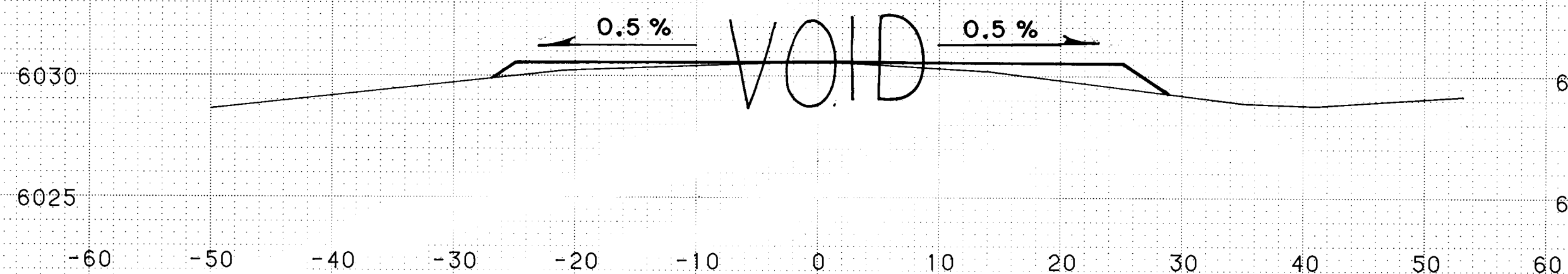
PREPARED UNDER THE DIRECTION OF				CITY OF ALBUQUERQUE 8040 EMBUDO HILLS - PHASE I			
10	20	30	40	50	60	70	
18+00.00 		TITLE: CAMINO DE LA SIERRA / LOMAS BLVD. UNPAVED ROADWAY CROSS - SECTIONS					
PROJECT NUMBER 2007		APPROVALS CITY ENG ACE-D Hgd		ENGINEER C. Delgado ALDOAN Jim Zuck		DATE 10/1/04 1/10/04 2/10/04	
		APPROVALS WRD TE		ENGINEER NA WES NA Duff		DATE 5/28/04 6/27/04	
SHEET 50 OF 56							

FINAL	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AREAS CHECKED	

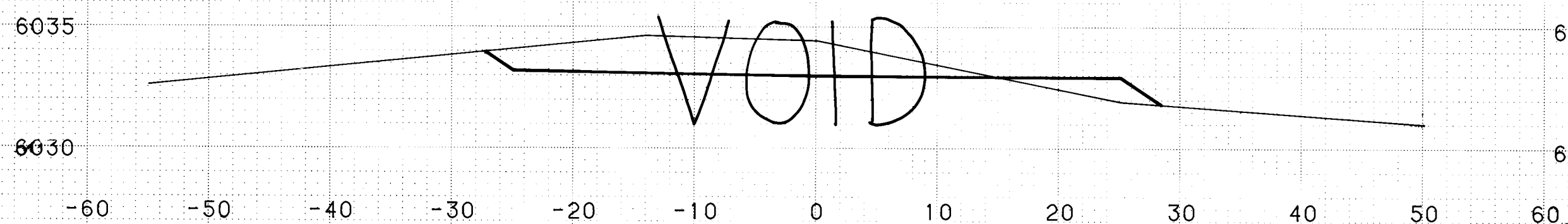
ORIGINAL	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AREAS CHECKED	



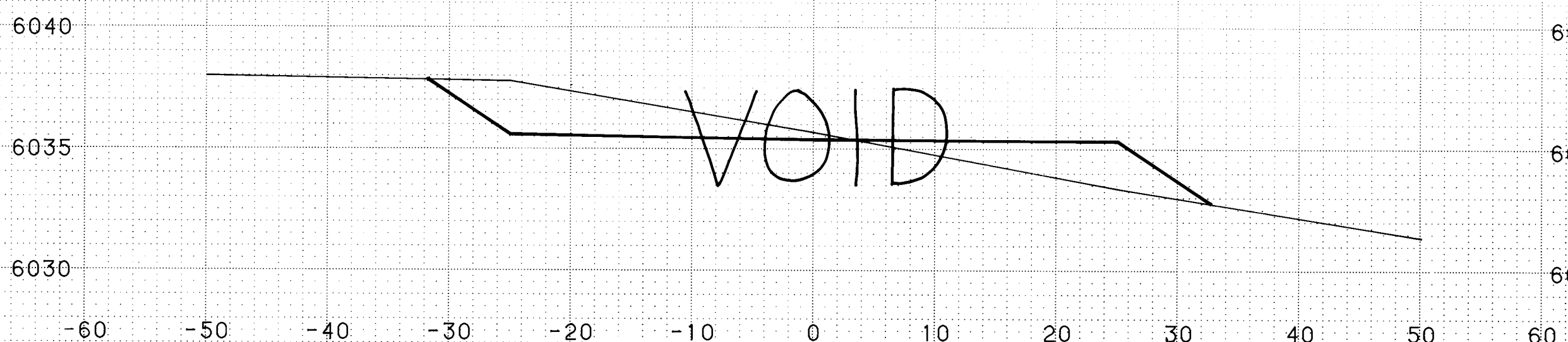
STATION 21+26.26



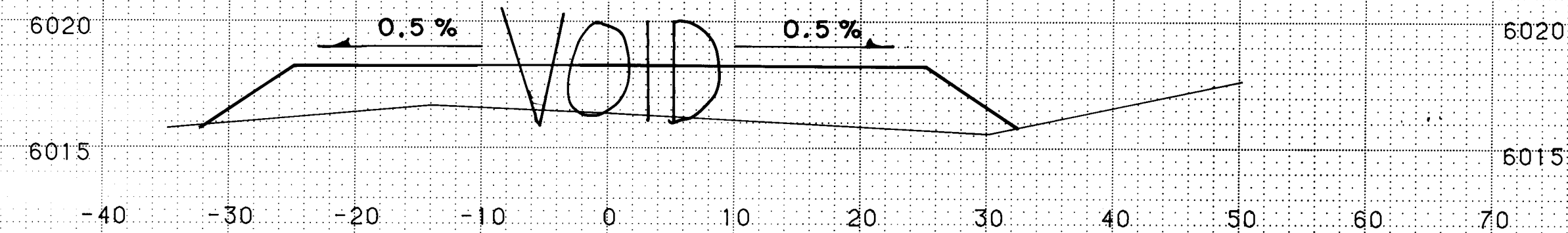
STATION 21+00.00



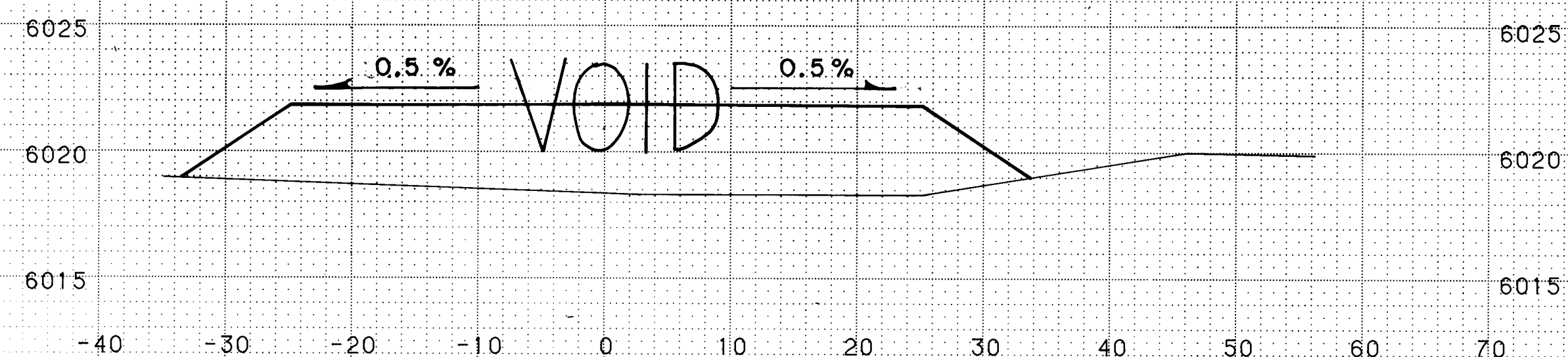
STATION 20+50.00



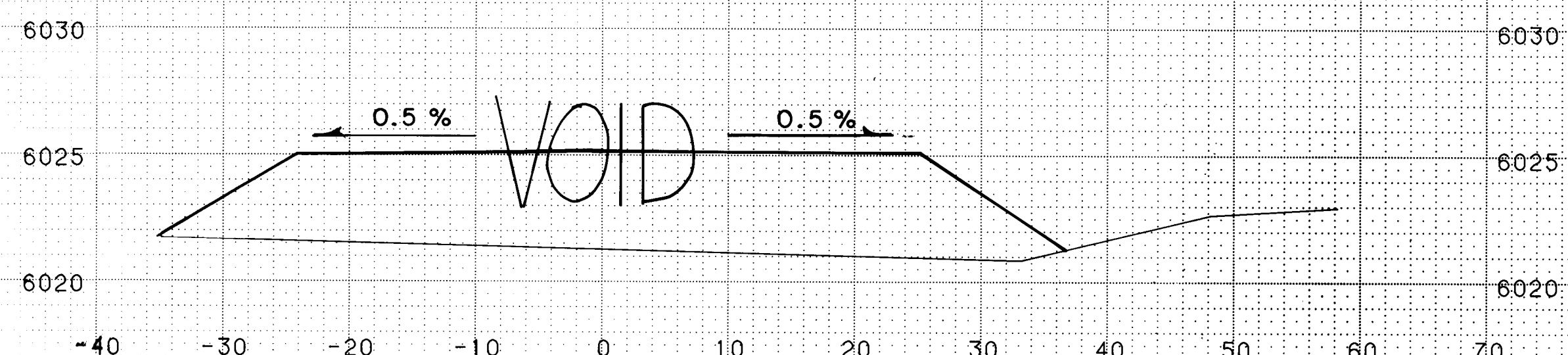
STATION 20+00.00



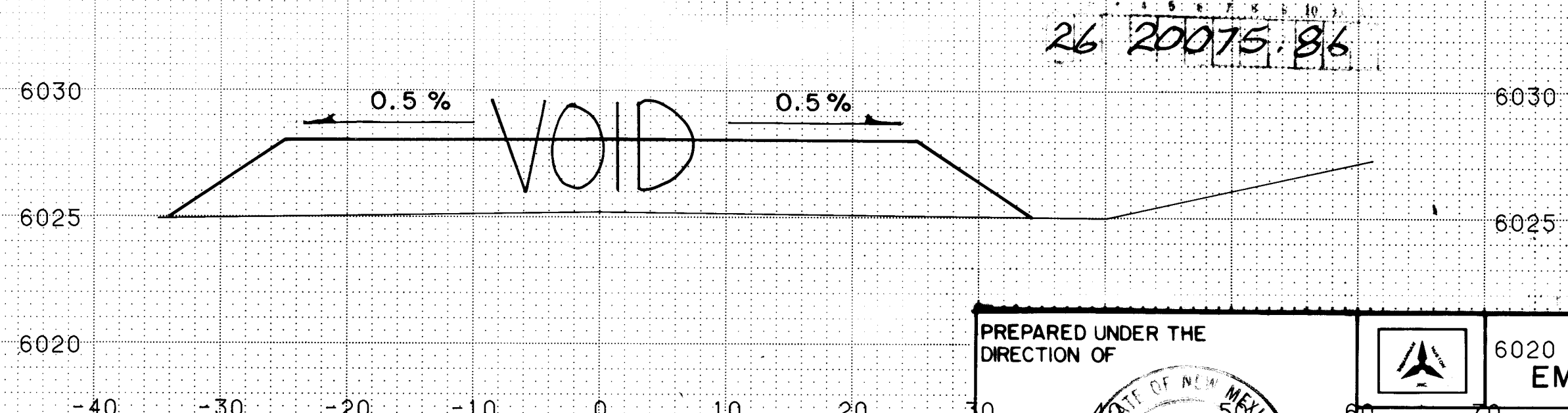
STATION 23+00.00



STATION 22+50.00



STATION 22+00.00



STATION 21+50.00

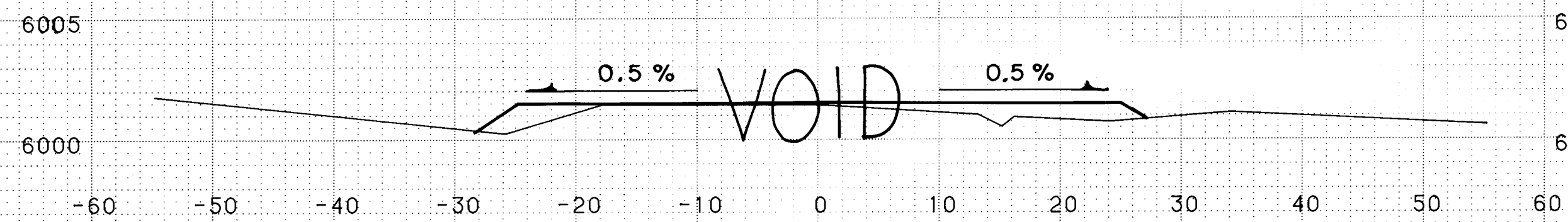
SCALE:
1" = 10' HORIZONTAL
1" = 5' VERTICAL

PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE		
TITLE: LOMAS BLVD.			EMBUDO HILLS - PHASE I		
UNPAVED ROADWAY CROSS - SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	W.D.	5-30-99	NA	TE	6-27-99
ACE-O	NA		NA	TE	
PROJECT NUMBER 2007			SHEET 51 OF 56		

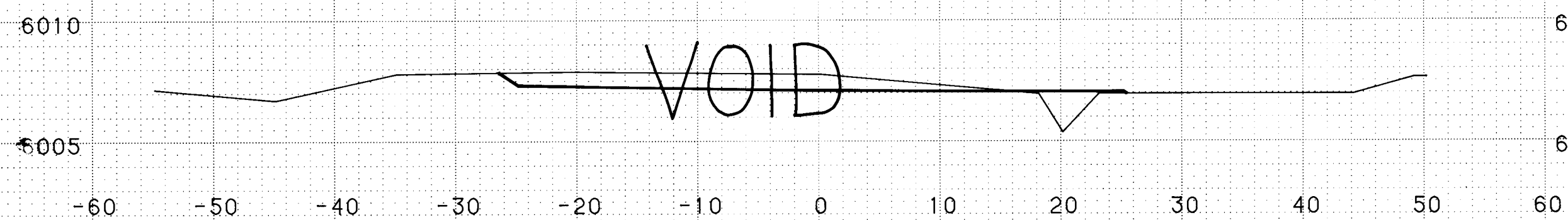
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES	
CONTRACTOR	DATE	CONTRACTOR	DATE	MAP NO.	BY	W.O. NO.	NO.
WORKED BY	DATE	CONTRACTOR	DATE	EST. NO.	NO.	NO.	NO.
ACCEPTANCE BY	DATE	CONTRACTOR	DATE	NO.	NO.	NO.	NO.
REVISIONS	DATE	CONTRACTOR	DATE	NO.	NO.	NO.	NO.
DESIGNED BY	DATE	CONTRACTOR	DATE	NO.	NO.	NO.	NO.
DRAWN BY	DATE	CONTRACTOR	DATE	NO.	NO.	NO.	NO.
CHECKED BY	DATE	CONTRACTOR	DATE	NO.	NO.	NO.	NO.

FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

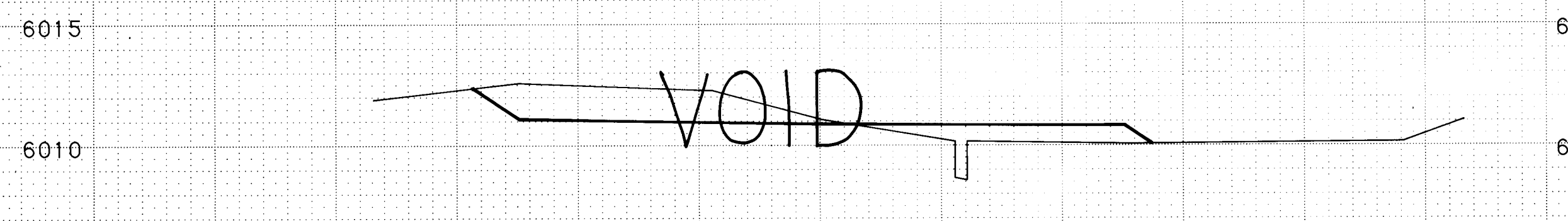
ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	



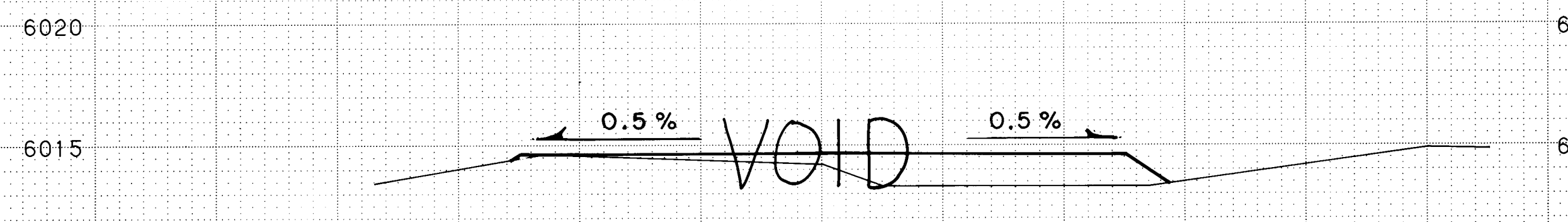
STATION 25+23.75



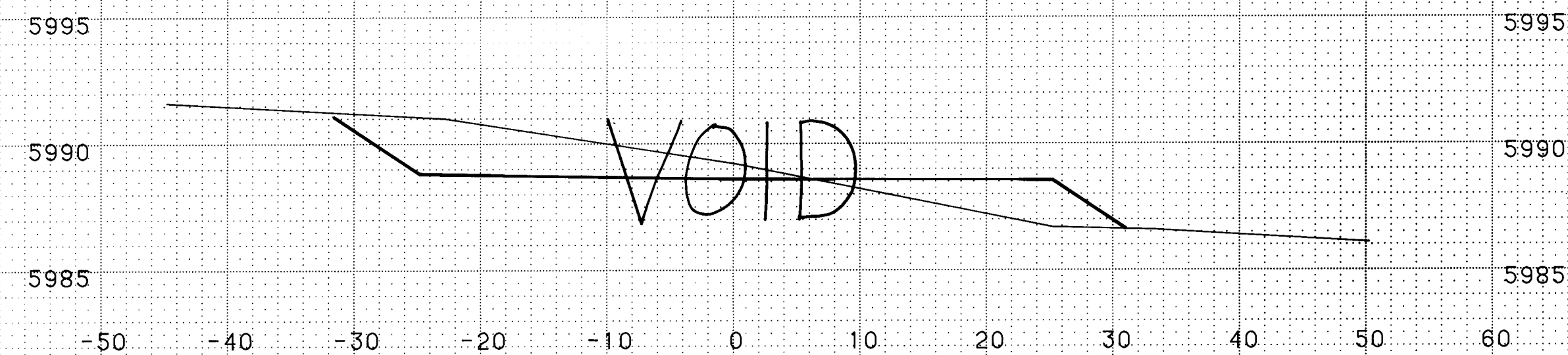
STATION 24+50.00



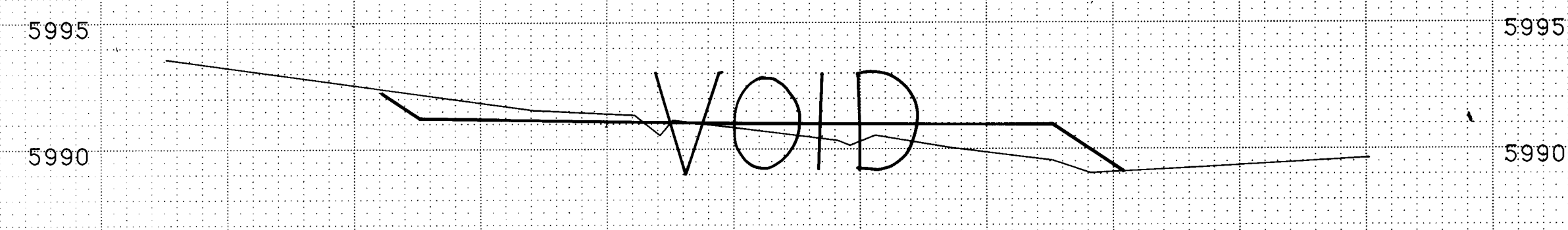
STATION 24+00.00



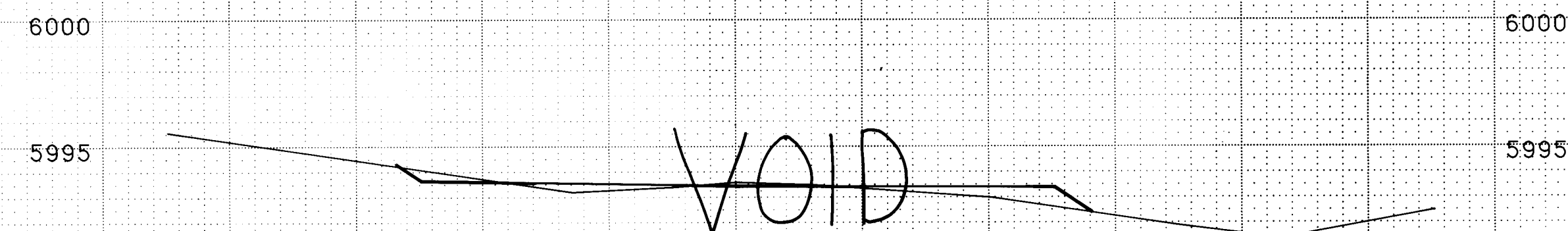
STATION 23+50.00



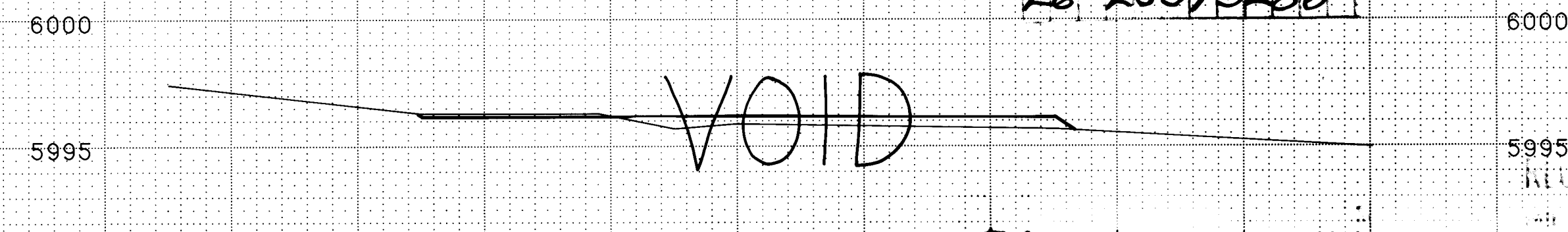
STATION 27+50.00



STATION 27+00.00



STATION 26+50.00



STATION 26+00.00

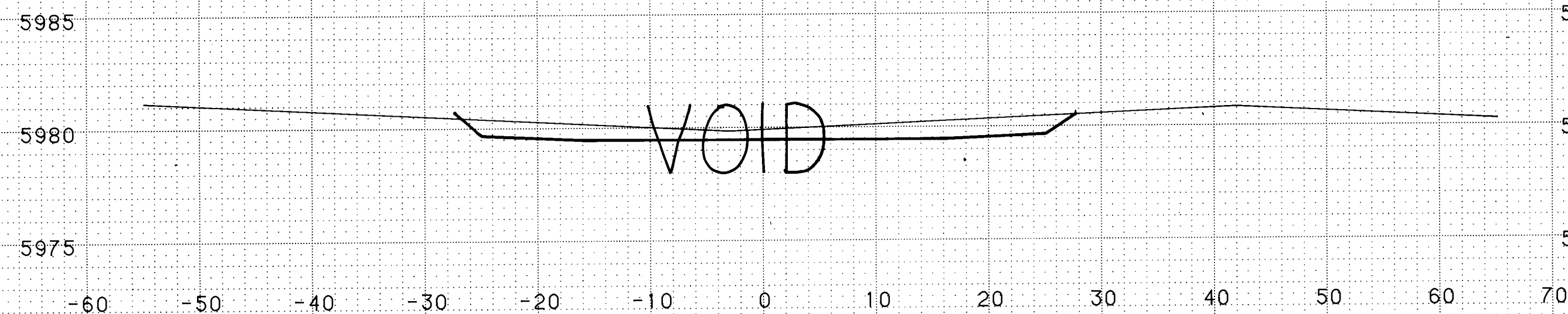
26 20075286
1/23/07
Michael P. Hargis
5-16-07

SCALE:
1" = 10' HORIZONTAL
1" = 5' VERTICAL

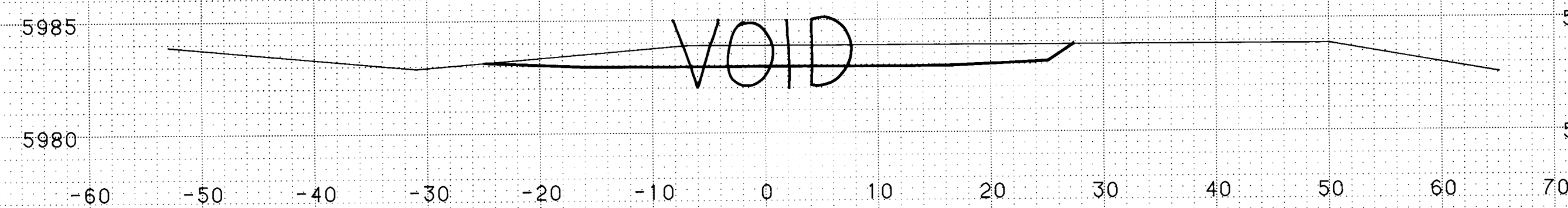
PREPARED UNDER THE DIRECTION OF		5990 CITY OF ALBUQUERQUE EMBUDO HILLS - PHASE I			
TITLE: 60		LOMAS BLVD. UNPAVED ROADWAY CROSS - SECTIONS			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGR	C. D. Chavez	1/16/07	WRD	N. A. W. B.	5-20-07
ACE-O	ALD. H. A.	1/16/07	TE	N. P. D. W.	1/16/07
PROJECT NUMBER		2007			
DRAWING NO.		SHEET 52 OF 56			

FINAL	DATE
SURVEY	BY
NO.	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

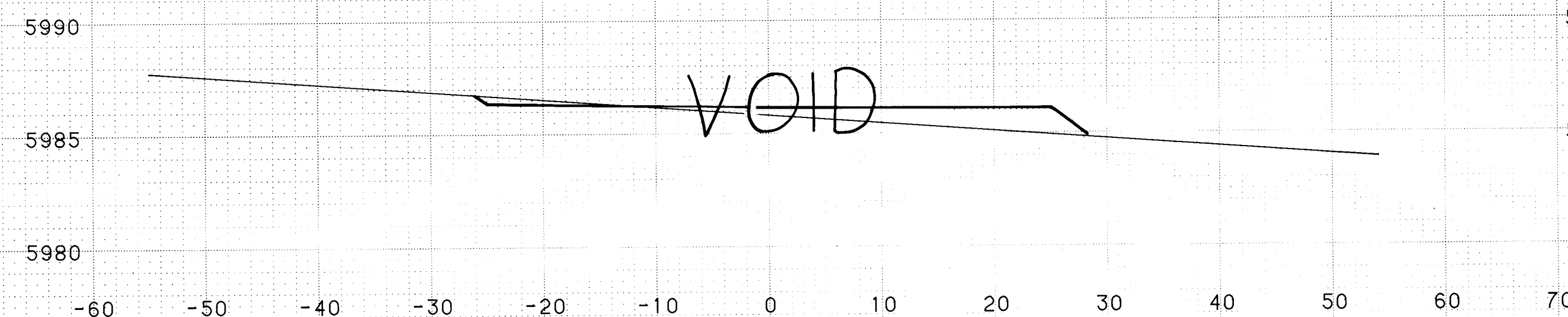
ORIGINAL	DATE
SURVEY	BY
NO.	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



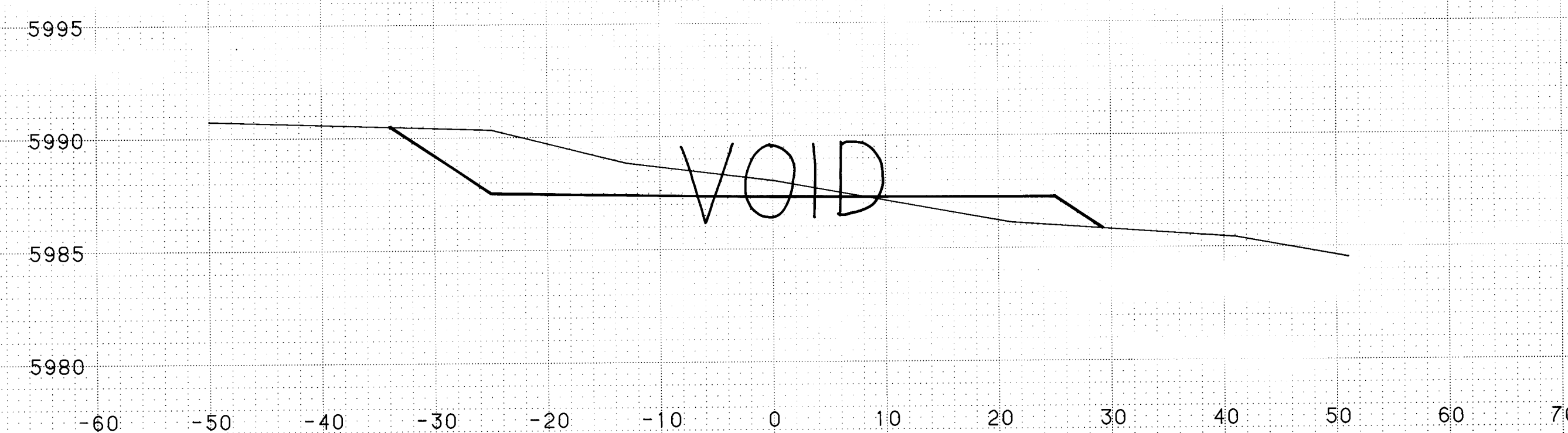
STATION 29+00.00



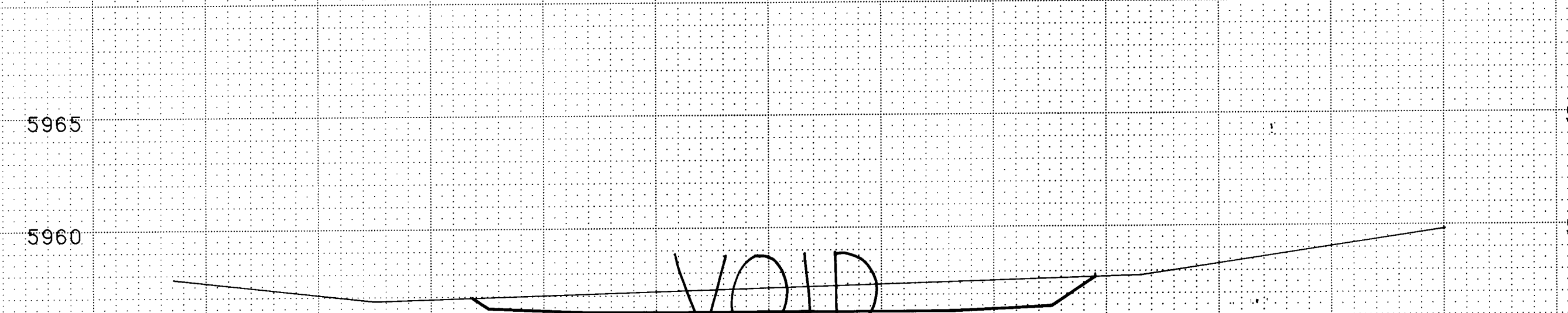
STATION 28+50.00



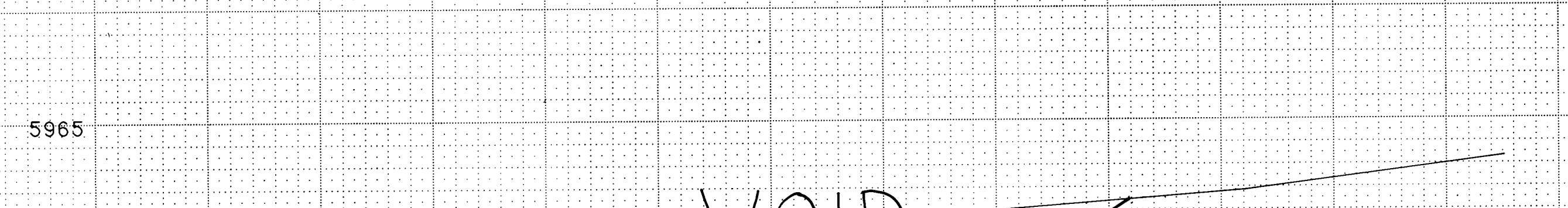
STATION 28+00.00



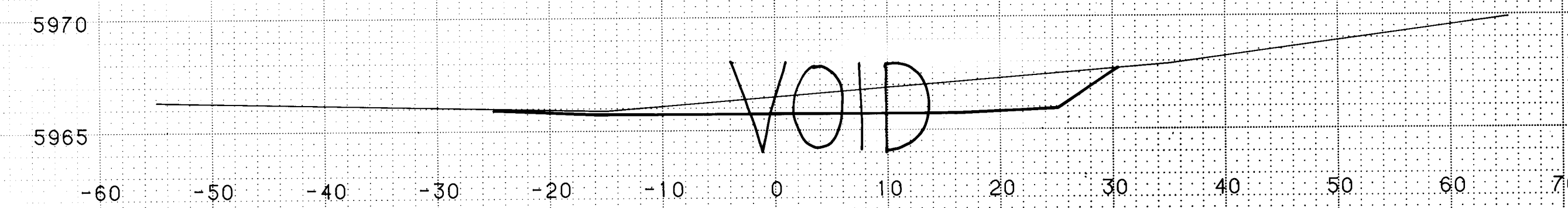
STATION 27+80.08



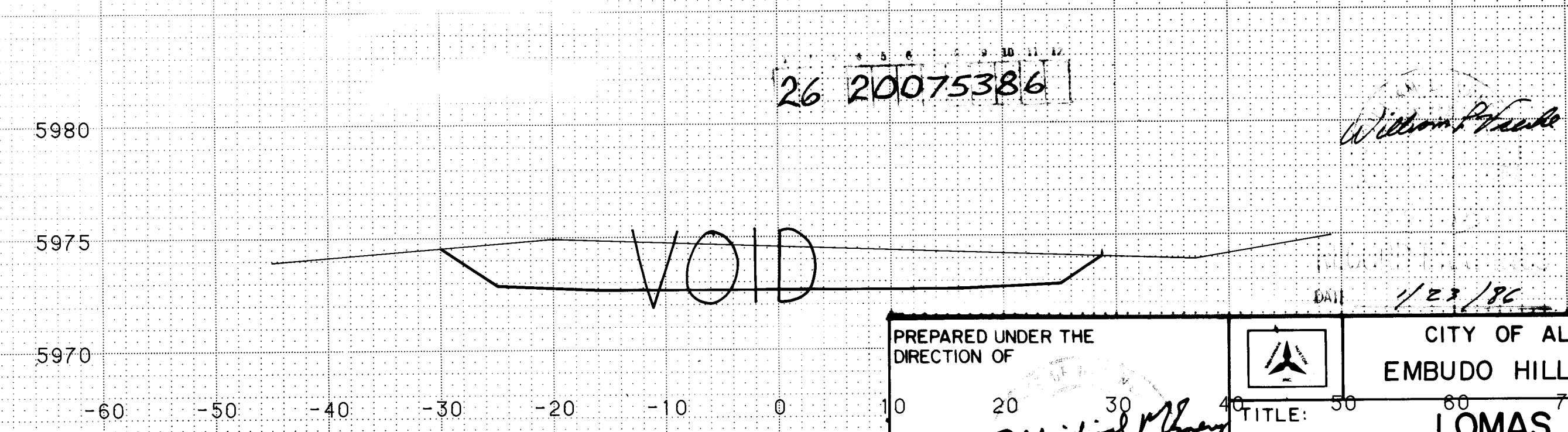
STATION 32+50.00



STATION 32+00.00



STATION 31+00.00



STATION 30+00.00

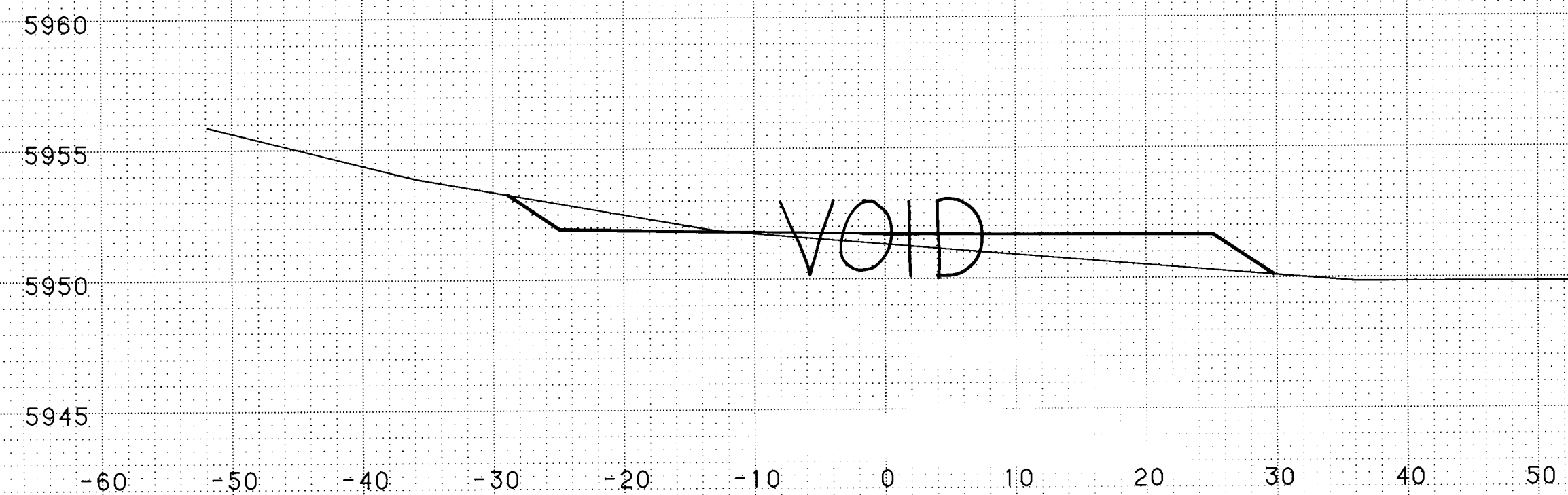
SCALE:
1" = 10' HORIZONTAL
1" = 5' VERTICAL

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE	
Michael P. Hinkle		EMBUDO HILLS - PHASE I	
TITLE: LOMAS BLVD.			
UNPAVED ROADWAY CROSS-SECTIONS			
APPROVALS	ENGINEER	DATE	APPROVALS
CITY ENGR	W.D. Hinkle	4/1/00	W.D. Hinkle
ACE-O	W.D. Hinkle	7/20/00	W.D. Hinkle
PROJECT NUMBER		DESIGNED BY	
2007		DATE	
DRAWING NO.		CHECKED BY	
		DATE	

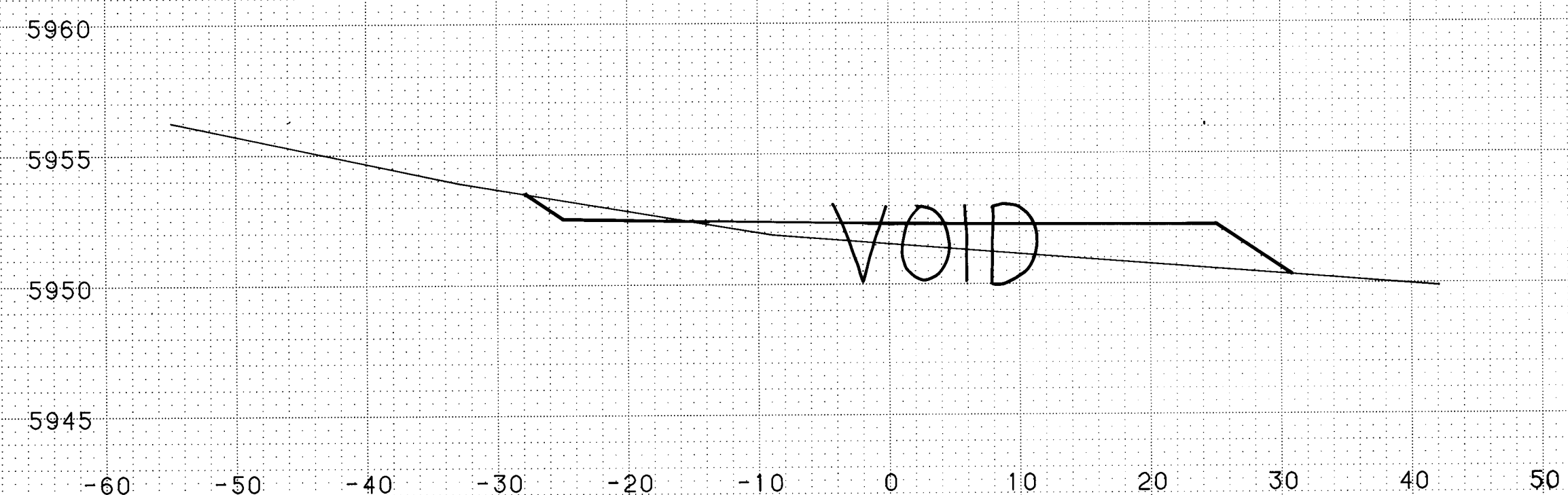
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	MAP NO.	EST. NO.
INSPECTORS	DATE	INSPECTORS	DATE	NO.	BY	NO.	WO. NO.
ACCEPTANCE BY	DATE	ACCEPTANCE BY	DATE	NO.	BY	NO.	WO. NO.
VERIFICATION BY	DATE	VERIFICATION BY	DATE	NO.	BY	NO.	WO. NO.
COMPLETED BY	DATE	COMPLETED BY	DATE	NO.	BY	NO.	WO. NO.
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE
NO.		NO.		NO.		NO.	

FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

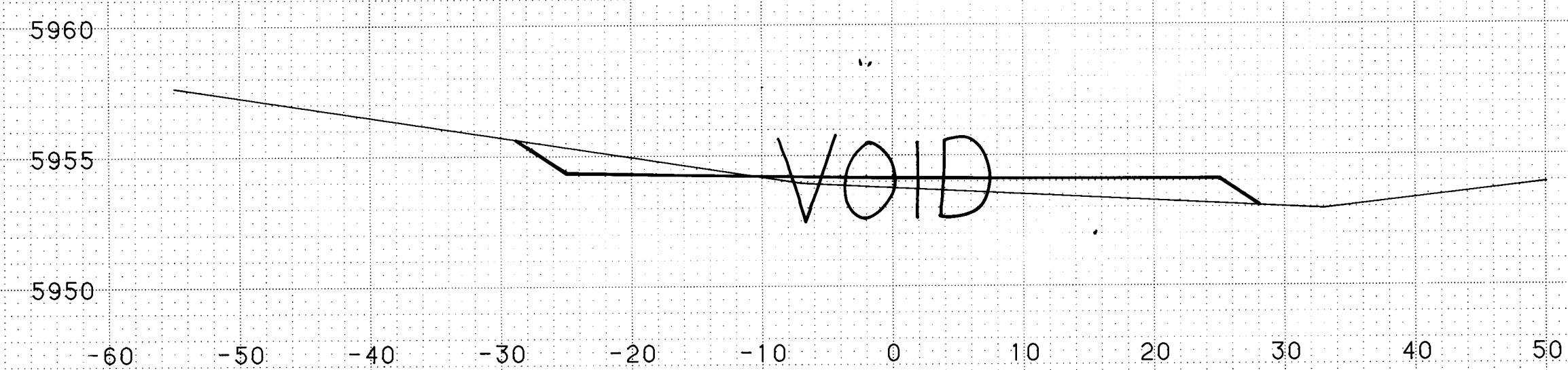
ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	



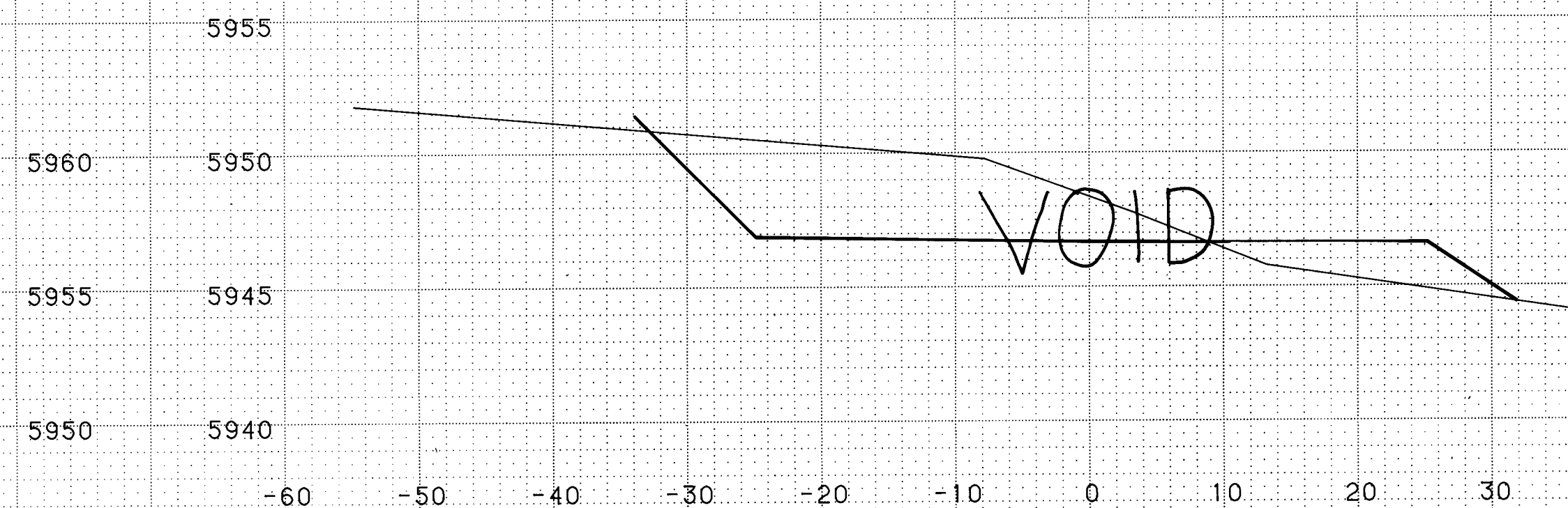
STATION 33+67.95



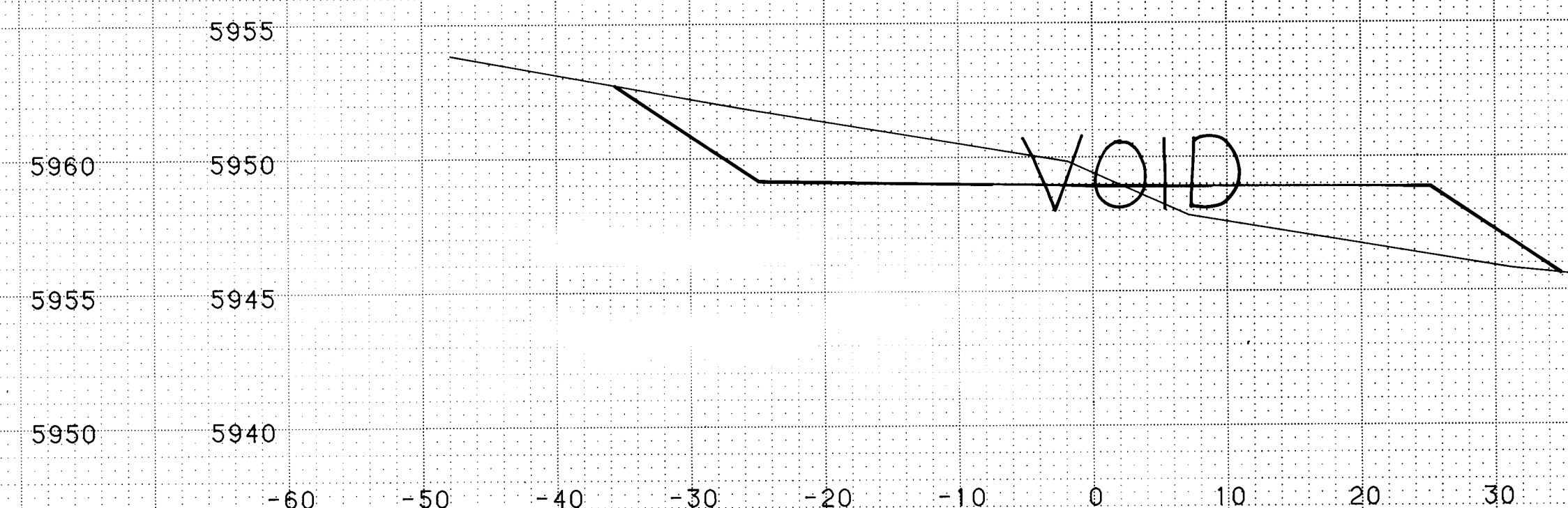
STATION 33+50.00



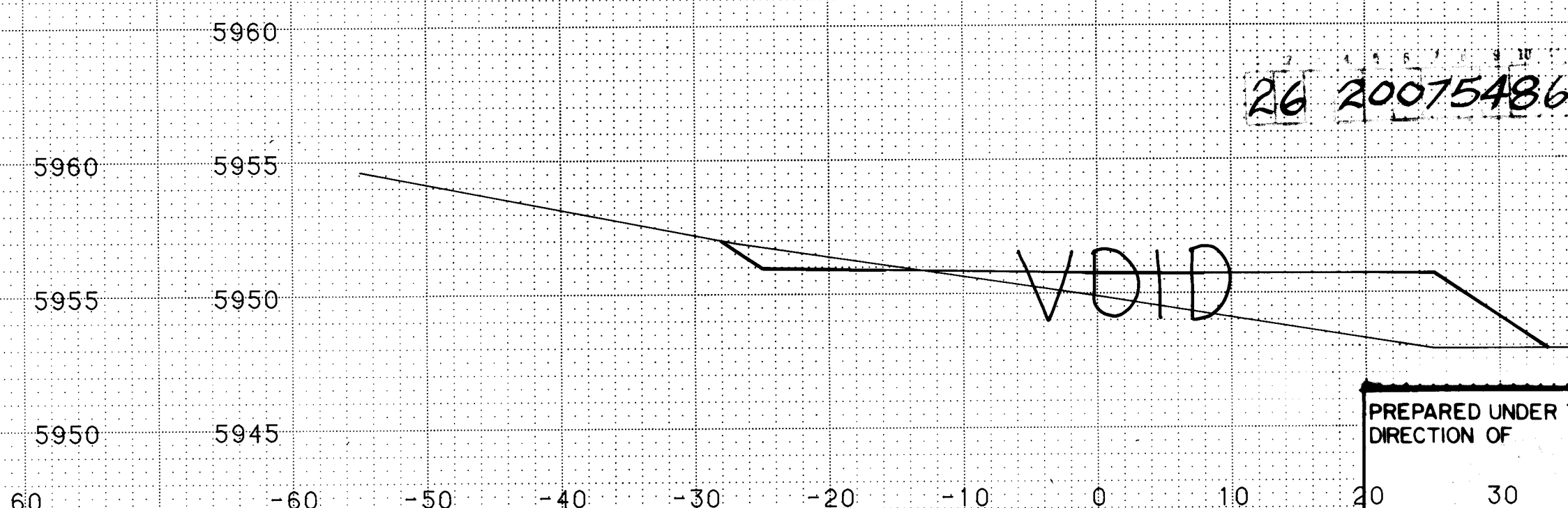
STATION 33+00.00



STATION 35+00.00



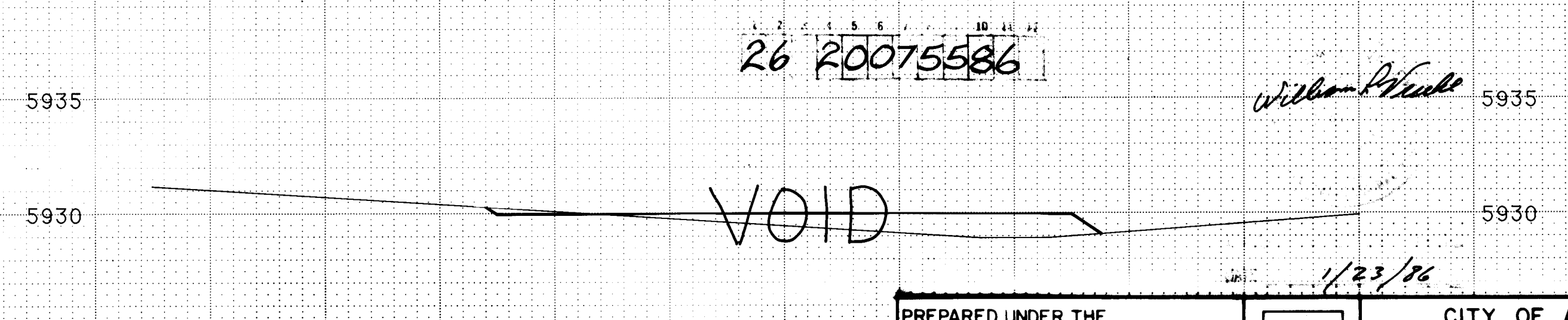
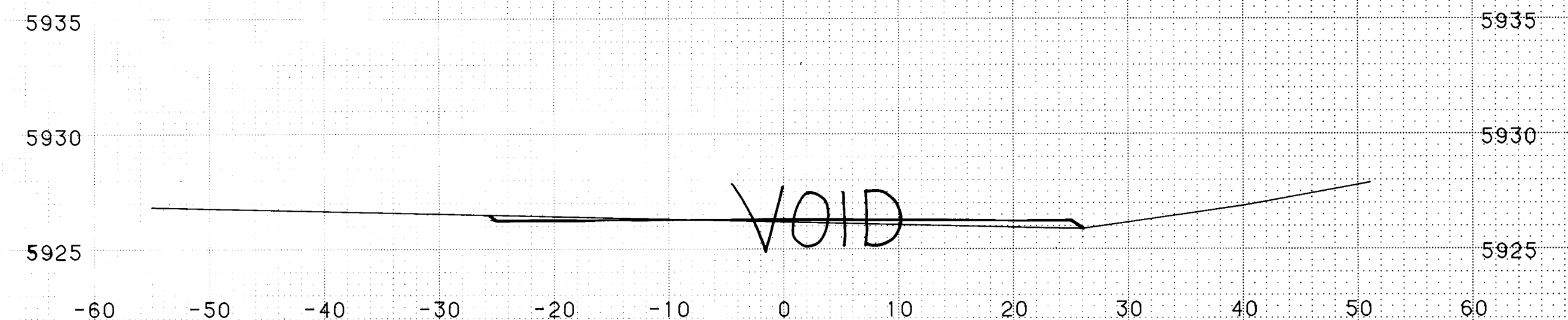
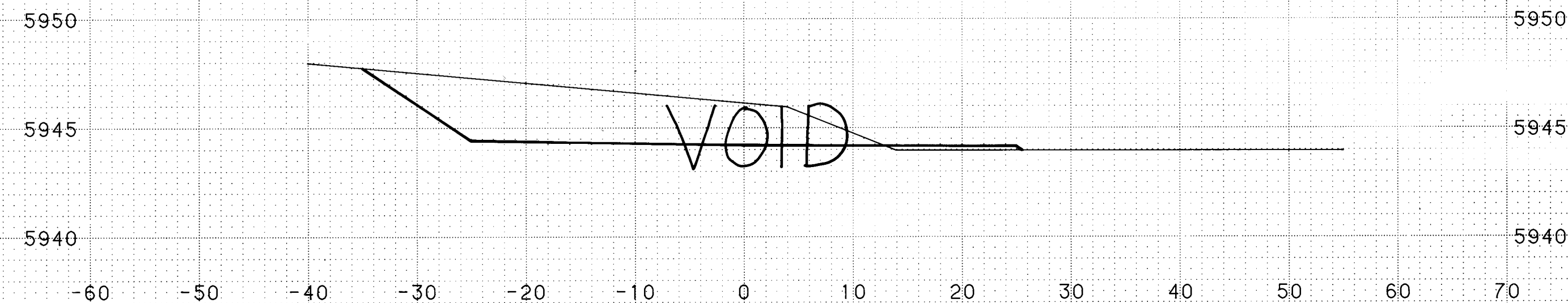
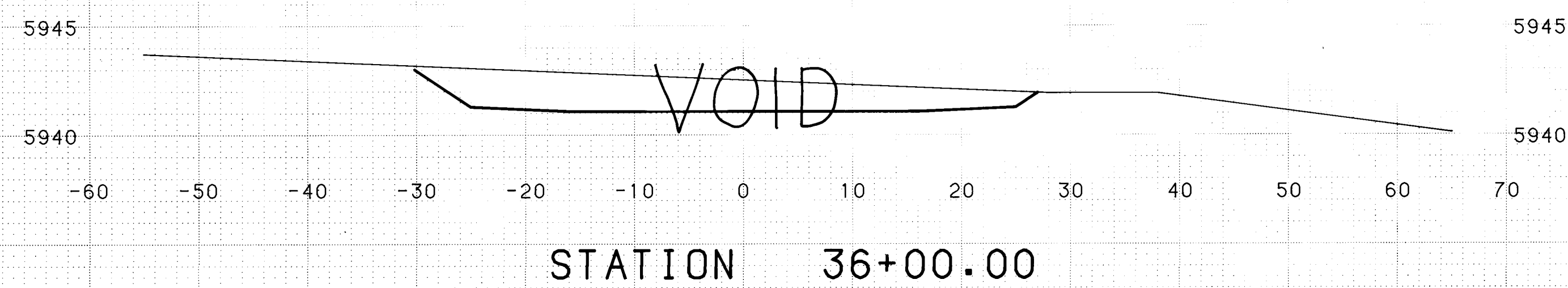
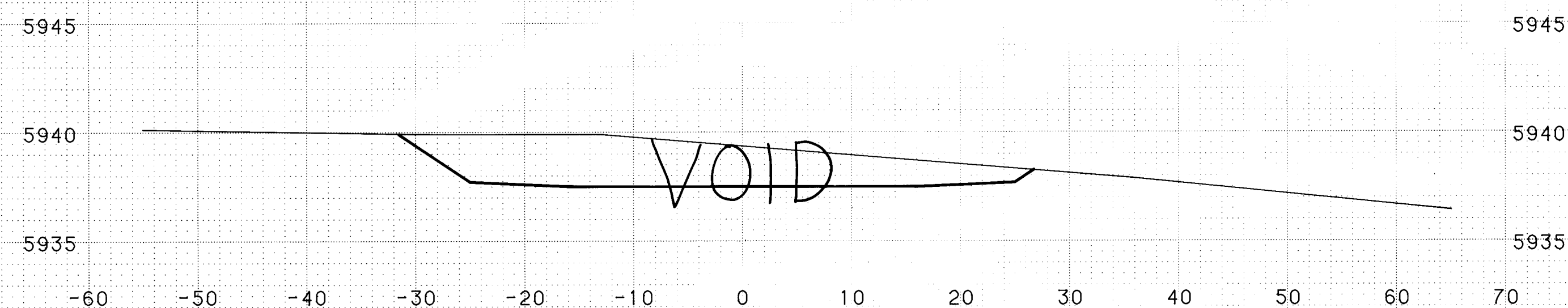
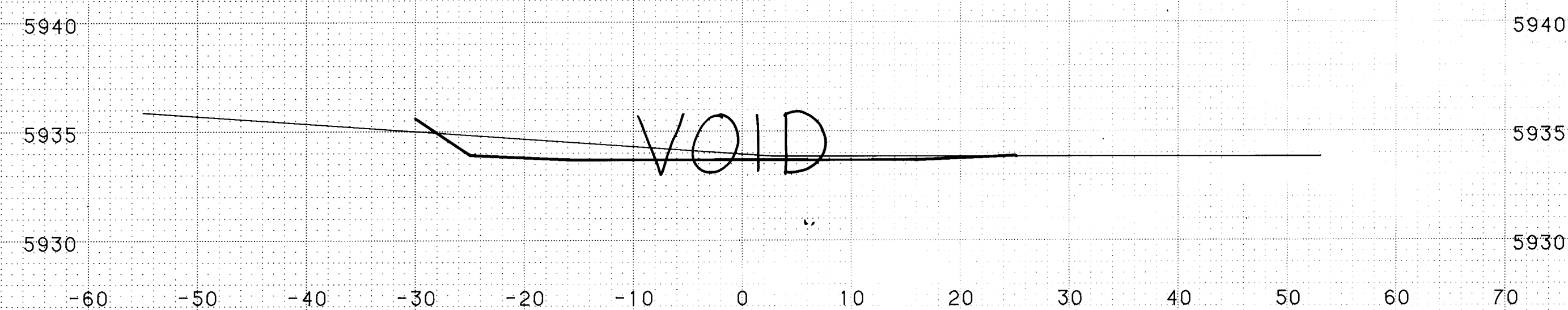
STATION 34+50.00



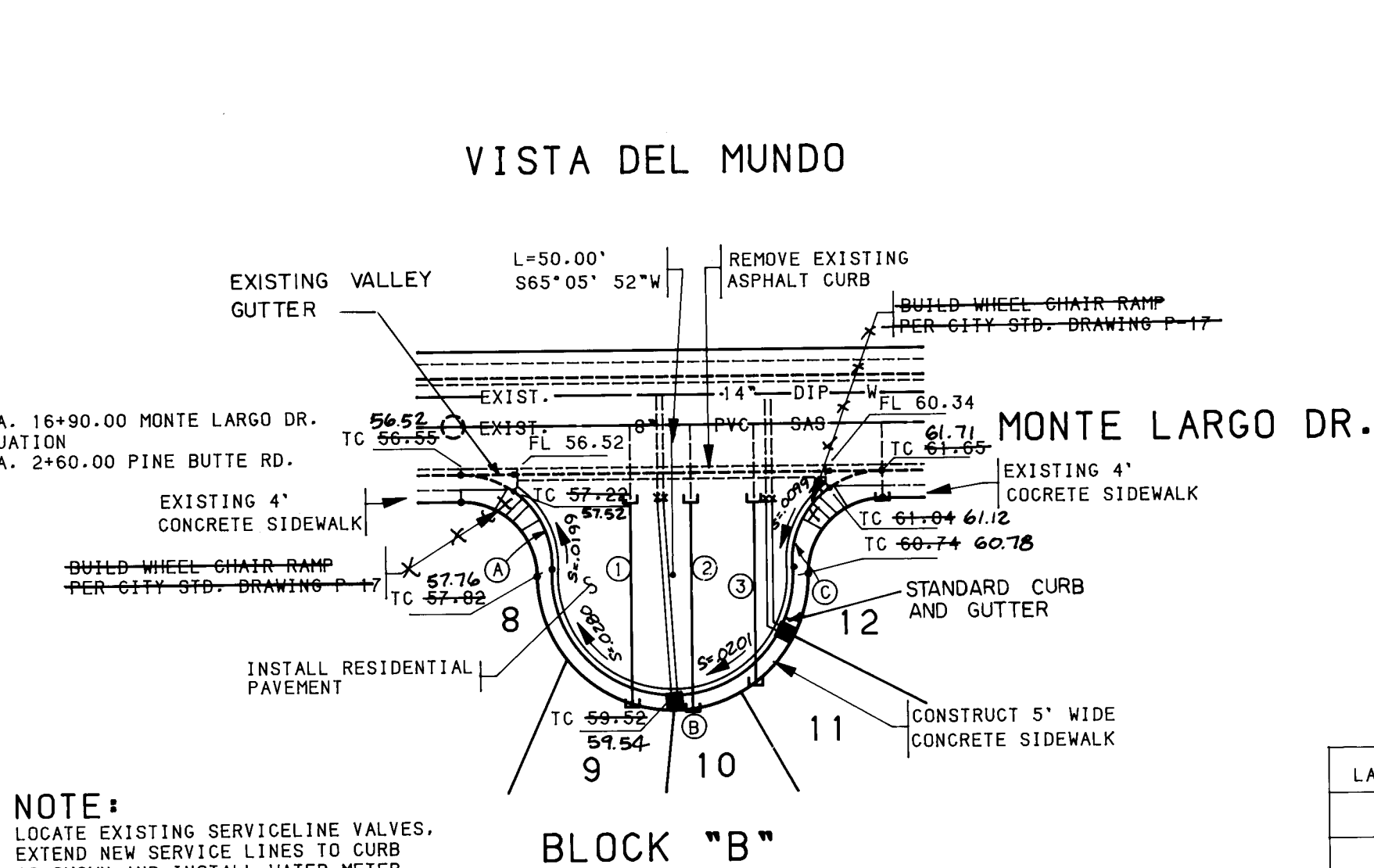
STATION 34+00.00

SCALE:
1"=10' HORIZONTAL
1"=5' VERTICAL

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE			
MICHAEL P. EMERY		EMBUDO HILLS - PHASE I			
5-16-84		LOMAS BLVD.			
PROJECT NUMBER		UNPAVED ROADWAY CROSS - SECTIONS			
2007		SHEET 54 OF 56			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	ALBION	5/16/84	WORD	NA	5/20/84
ACC-D	ALBION	5/16/84	TE	NA	5/20/84
DRG	Jim Jones	5/16/84			

[illegible][illegible]

PREPARED UNDER THE DIRECTION OF				CITY OF ALBUQUERQUE 5925 EMBUDO HILLS - PHASE I			
10	20	30	40	50	60		
<i>Michael M. Long</i> TITLE:				LOMAS BLVD. UNPAVED ROADWAY CROSS - SECTIONS			
+ 50.00 5-16-84							
PROJECT NUMBER 2007		APPROVALS CITY ENGINEER ACE-D <i>D. J. [Signature]</i>		ENGINEER C. D. [Signature] ACE-D <i>[Signature]</i>		DATE 1/14/84 1/28/84 1/28/84	
		APPROVALS ENGINEER DPH NA 1/28/84		DATE 1/28/84 1/28/84		DATE 5-30-84 1/28/84	
		DRAWING NO.		SHEET 55 OF 56			



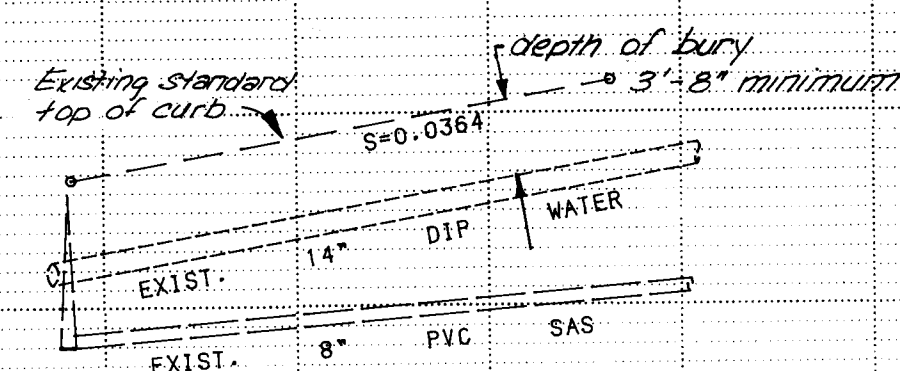
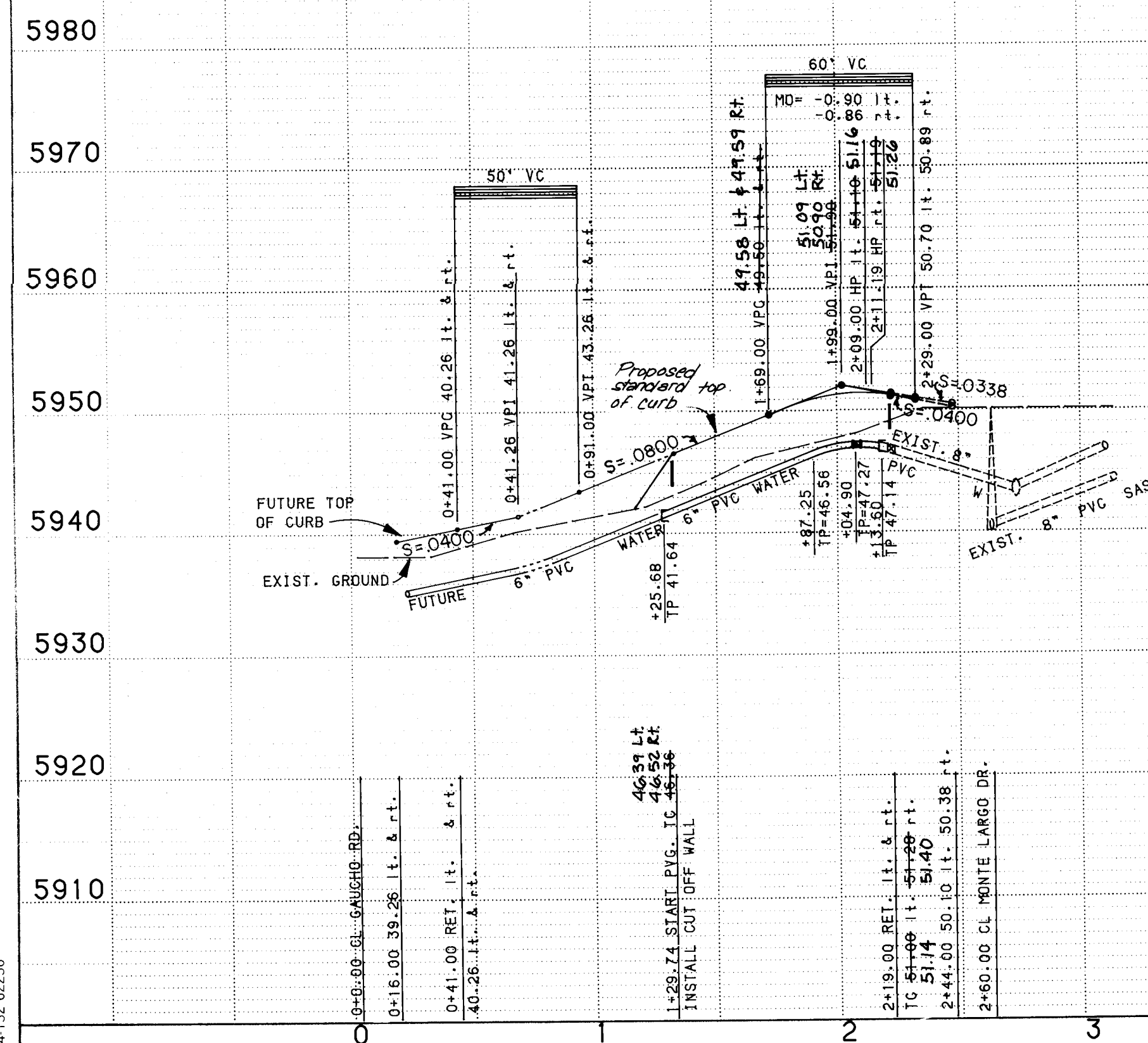
CURVE DATA

Delta	57°	36'	51.1"
T		16.50"	
L		30.17"	
R		30.00"	

Delta	186°	33'	7.2"
T		-698.82'	
L		130.24'	
R		40.00'	

Delta	57°	36'	51.4"
T		16.50"	
L		30.17"	
R		30.00"	

LATERAL	LENGTH	INV. • PL
①	67.91	51.55 51.89
②	69.57	51.94 53.47
③	61.02	52.12 54.61



26 20075686

1/23/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EMBUDO HILLS, PHASE 1
PINE BUTTE RD. and MONTE LARGO DR.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO.	2007	MAP NO.	J-23	SHEET	OF	56	5
-------------	------	---------	------	-------	----	----	---

[illegible]

BENCH MARKS

THE STATION IS A ☒ CHISELED ON
TOP OF HEADER CURB AT S. W.
CORNER SANDIA MANOR PUMP STATION
ON THE S.E. CORNER OF LOMAS BLVD.
AND PINNACLE VIEW DR.
ELEVATION = 6011.49

[illegible]

ENGINEER'S SEAL

Blair J. Bennett

24283-

Professional Engineer
State of Missouri
No. 24283
Exp. 12/31/2011

[illegible]

ERQUE IT DEPARTMENT IVISION		
PHASE 1 ONTE LARGO DR.		
ROVALS	ENGINEER	DATE
Waste		

SHEET	OF
56	5