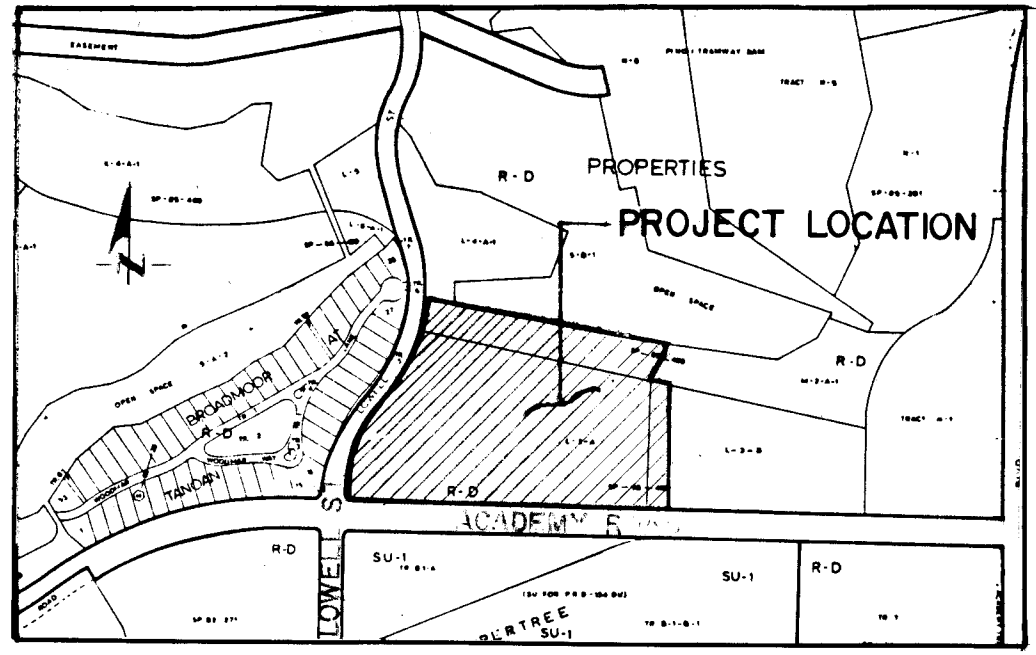


CONSTRUCTION PLANS
FOR
ANTELOPE RUN SUBDIVISION
PHASE 1

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-4	SUBDIVISION PLAT
5	PAVING LAYOUT
6	UTILITY LAYOUT
7	FINAL GRADING AND DRAINAGE PLAN
	PAVING PLAN AND PROFILE
8	ANTELOPE RUN ROAD/PUMA PLACE
9	CARIBOU AVENUE
10	IBEX AVENUE
11	ELK HORN DRIVE
12	ACADEMY ROAD TURN BAYS
	UTILITY PLAN AND PROFILE
13	ANTELOPE RUN ROAD/PUMA PLACE
14	CARIBOU AVENUE
15	IBEX AVENUE
16	ELK HORN DRIVE
17	FUTURE ORYX PLACE
18	RETAINING WALL DETAILS



- GENERAL NOTES**
- TEMPORARY BARRICADING AT NON-CONTINUING EAST-WEST STREETS WILL BE THE RESPONSIBILITY OF THE DEVELOPER.
 - DIRECTIONAL TEES MUST BE USED FOR ALL SAS SERVICE CONNECTIONS.
 - ALL GRADING WILL BE COMPLETED PRIOR TO PHASE I CONSTRUCTION.

- NOTICE TO CONTRACTORS**
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 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 IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 - THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO TRAFFIC ENGINEERING DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE TRAFFIC ENGINEERING DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
 - CONTRACTOR SHALL COORDINATE THE VALVE SHUT OFF OPERATION WITH THE WATER SUPPLY UTILITY DIVISION (823-4200).

- 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.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Blitz Fisher
DATE 1-26-90



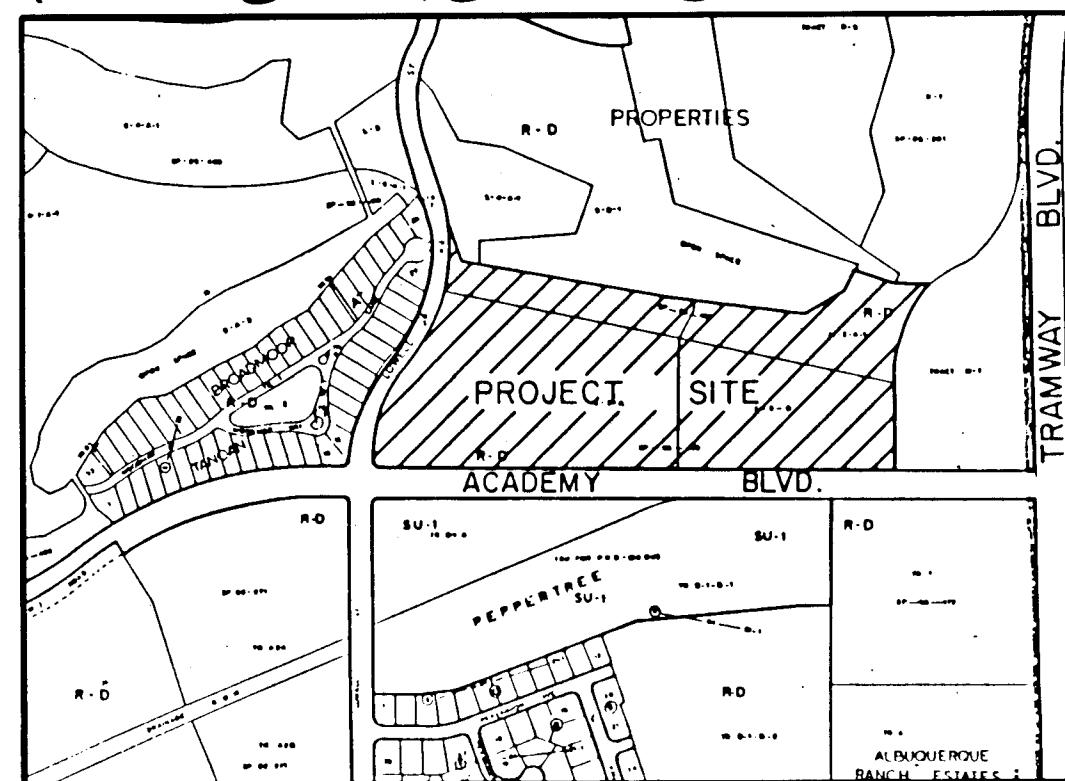
RECORD DRAWINGS
DATE 10/20/89

1	2	3	4	5	6	7	8	9	10	11	12
26	37	49	01	90							

REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

		APPROVED FOR CONSTRUCTION <i>William L. Fisher</i> 6/16/89
PROJECT NUMBER 3749		SHEET 1 OF 18

SP - 04-18-1716



LOCATION MAP

NOT TO SCALE
ZONE ATLAS MAP NO. E-22-Z

SUBDIVISION DATA

1. DRB No. 88-608
2. Zone Atlas Index No. E-22-Z
3. Gross Subdivision Acreage: 28.1582
4. Total Number of Lots Created: 44 Lots, 4 Tracts.
5. 5/8" rebar with a 1-1/4" yellow plastic survey cap stamped "WEAVER 6544" designated by ●
6. This plat shows existing easements.
7. The purpose for filing this replat is to subdivide Tract E & F, LALIQUE AT TANDAN and Tracts L-3-A, L-3-B and M-2-A-1, SECOND REVISION PLAT OF TANDAN PROPERTIES and to grant easements.
8. Site is located within projected Section 27, T11N, R4E, N.M.P.M.
9. Public road right-of-way created: 3.0294 acres.

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.

APPROVALS

PLAT NUMBER _____

PLANNING DIRECTOR _____

DATE _____

CITY ENGINEER _____

DATE _____

A.M.A.F.C.A. _____

DATE _____

Traffic Engineer _____

DATE _____

CITY SURVEYOR _____

DATE _____

PROPERTY MANAGEMENT _____

DATE _____

WATER RESOURCES DEPARTMENT _____

DATE _____

PARKS & RECREATION DEPARTMENT _____

DATE _____

PUBLIC SERVICE COMPANY OF NEW MEXICO _____

DATE _____

U.S. WEST _____

DATE _____

GAS COMPANY OF NEW MEXICO _____

DATE _____

DESCRIPTION

A certain tract of land situated within the Elena Gallegos Grant, within the northeast 1/4 of Section 27, (as projected) T11N, R4E, N.M.P.M., City of Albuquerque, Bernalillo County, New Mexico, being all of Tracts E and F, LALIQUE AT TANDAN, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 25, 1988 in Book C36, Folio 139 and also being all of Tracts M-2-A-1, L-3-A and L-3-B, SECOND REVISION PLAT OF TANDAN PROPERTIES, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on September 23, 1985 in Book C28, Folio 79, and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone) and ground distances as follows:

BEGINNING at a point being the southeast corner of said Tract L-3-B, also being the southwest corner of Tract M-1, REVISION PLAT OF TANDAN PROPERTIES, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 7, 1985 in Book C27, Folio 37 and also being a point on the northerly right-of-way of Academy Road N.E., whence the A.C.S. Control Station "7-E22", a brass tablet (having New Mexico State Plane Coordinates, Central Zone) X=424,431.28, Y=1,512,773.86) bears N25°03'09"W, 2123.72 feet and from said point of beginning running thence along said right-of-way and the southerly boundary of the tract herein described, N89°36'55"W, 43.00 feet to a point on curve; thence, 47.12 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord bearing S45°23'05"W, 42.43 feet to a point of tangency; thence, N89°36'55"W, 1814.33 feet to a point of curvature being the southwest corner of said Tract L-3-A, said point being the east northeast point of return of Academy Road N.E., and Lowell Street N.E.; thence continuing along said return, 47.33 feet along the arc of a curve to the right having a radius of 30.00 feet and a chord bearing N44°25'12"W, 42.57 feet to a point of tangency on the easterly right-of-way of Lowell Street N.E.; thence continuing along the westerly boundary of said Tract L-3-A and also said right-of-way, N00°46'31"E, 47.47 feet to a point of curvature; thence, 158.99 feet along the arc of a curve to the right having a radius of 421.83 feet and a chord bearing N11°34'22"E, 158.05 feet to a point of compound curvature; thence, 170.36 feet along the arc of a curve to the right having a radius of 566.00 feet and a chord bearing N30°59'35"E, 169.72 feet to a point of reverse curvature; thence, 520.20 feet along the arc of a curve to the left having a radius of 634.00 feet and a chord bearing N16°06'36"E, 505.73 feet to the northern most corner of said Tract F; thence leaving said easterly right-of-way and said westerly boundary and continuing along the northerly boundary of the tract herein described, S07°23'44"E, 44.37 feet to a point of curvature; thence, 51.25 feet along the arc of a curve to the right having a radius of 580.48 feet and a chord bearing S04°51'59"E, 51.23 feet to a point of non-tangency; thence, S80°11'41"E, 892.00 feet to a point being the northeast corner of said Tract E and also said point being the northwest corner of said Tract M-2-A-1; thence continuing along the northerly boundary of the tract herein described, S83°50'56"E, 433.18 feet to a point; thence, N60°36'01"E, 176.51 feet to a point; thence, N27°13'26"E, 87.29 feet to a point; thence, S71°00'03"E, 156.80 feet to a point; thence, S89°36'56"E, 144.90 feet to a point on curve being the northeast corner of said Tract M-2-A-1; thence continuing along the easterly boundary of the tract herein described, 371.59 feet along the arc of a curve to the right having a radius of 450.00 feet and a chord bearing S24°02'27"W, 361.13 feet to a point of tangency; thence, S00°23'04"W, 335.82 feet to the point and place of beginning.

Tract contains 28.1582 acres, more or less.

PLAT MAP

FOR

ANTELOPE RUN
SUBDIVISION

ALBUQUERQUE, NEW MEXICO

MARCH, 1989

FREE CONSENT AND DEDICATION

The foregoing replat of that certain tract of land situated within the Elena Gallegos Grant, City of Albuquerque, Bernalillo County, New Mexico being Tracts E and F, LALIQUE AT TANDAN, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 25, 1988 in Volume C36, Folio 139 and Tracts L-3-A, L-3-B, M-2-A-1, SECOND REVISION PLAT OF TANDAN PROPERTIES, as the same is shown and designated on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on September 23, 1985 in Volume C28, Folio 79 and now hereon shown and comprising ANTELOPE RUN is with free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate 3.0294 acres of public road right-of-way and do hereby grant all easements shown on this plat. Electrical Power and Communication easements are reserved for overhead distribution lines, conduits, and pipes for underground utilities, and other related equipment where shown or indicated, including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs.

CENTEX HOMES CORPORATION

Johnny Shankle
Johnny Shankle Asst. Secretary

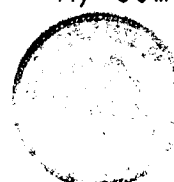
State of New Mexico)

County of Bernalillo)

The foregoing instrument was acknowledged before me this 1 day of April, 1989 by Johnny Shankle on behalf of Centex Homes Corporation.

My Commission Expires: 5/25/92

Notary Public



OFFICIAL SEAL

JANET E. SPEAKMAN

NOTARY PUBLIC - STATE OF NEW MEXICO

Notary Bond Filed with Secretary of State

My Commission Expires: 5/25/92

I, Thomas G. Klingenhagen, a registered Professional New Mexico Surveyor, certify 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.

Thomas G. Klingenhagen
Thomas G. Klingenhagen
New Mexico Surveyor 5978



State of New Mexico)

County of Bernalillo)

The foregoing instrument was acknowledged before me this 10 day of April, 1989, by Thomas G. Klingenhagen.

My Commission Expires: March 16, 1990

Notary Public



OFFICIAL SEAL

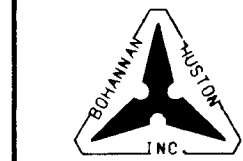
JANET E. SPEAKMAN

NOTARY PUBLIC - STATE OF NEW MEXICO

Notary Bond Filed with Secretary of State

My Commission Expires: 05-16-901 2 3 4 5 6 7 8 9 10 11 12
26 37490290

JOB NO. 8817403



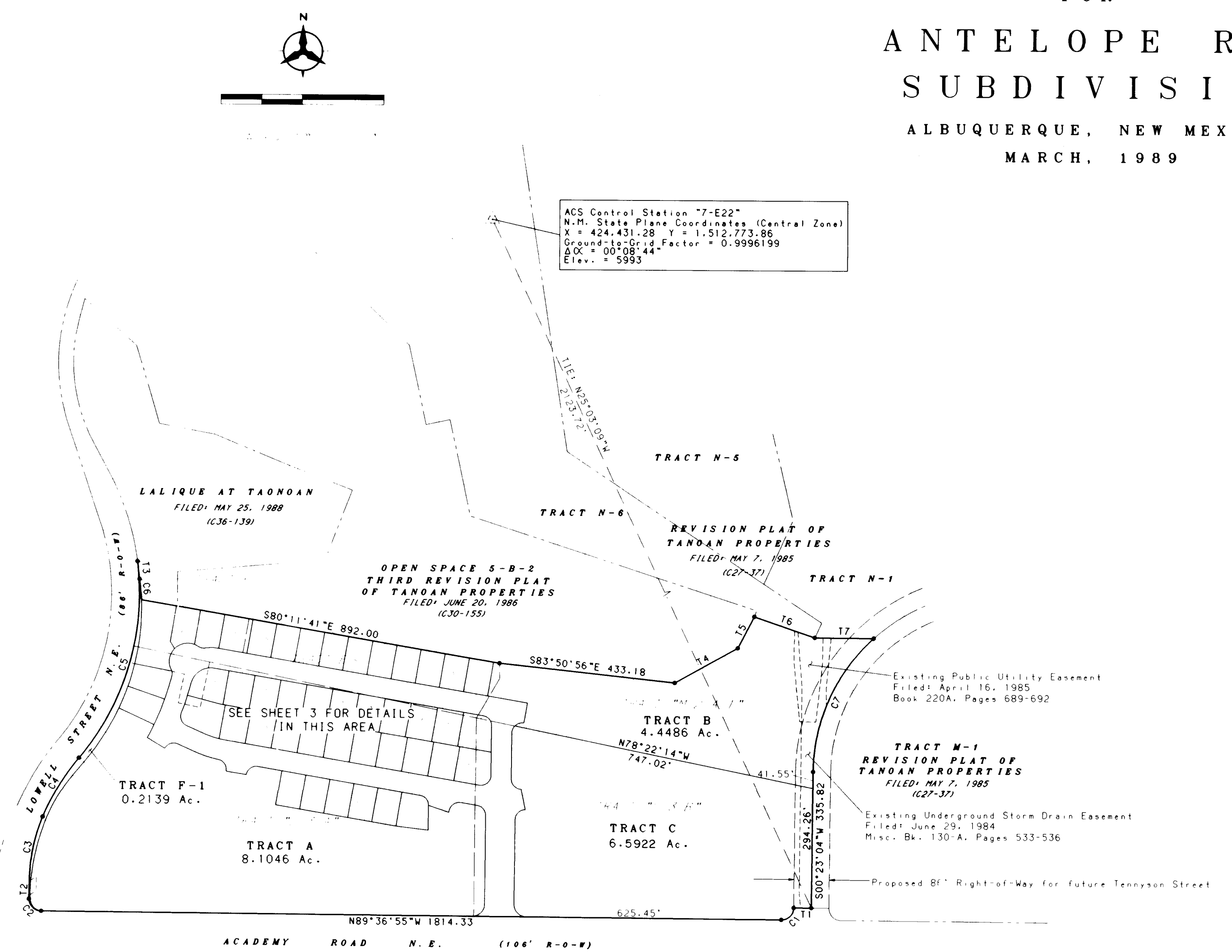
SHEET 1 OF 3 SHEETS

PLAT MAP
FOR
ANTELOPE RUN
SUBDIVISION
ALBUQUERQUE, NEW MEXICO
MARCH, 1989

CURVE DATA					
NUMBER	ARC	RADIUS	DELTA	CHORD	CHORD BEARING
C1	47.12	30.00	90°00'00"	42.43	S45°23'05"W
C2	47.33	30.00	90°23'26"	42.57	N44°25'12"W
C3	158.99	421.83	21°35'42"	158.05	N11°34'22"E
C4	170.36	566.00	17°14'43"	169.72	N30°59'35"E
C5	520.20	634.00	47°00'40"	505.73	N16°06'36"E
C6	51.25	580.48	5°03'31"	51.23	S04°51'59"E
C7	371.59	450.00	47°18'46"	361.13	S24°02'27"W
C8	166.13	675.00	14°06'05"	165.71	N21°18'51"E
C9	17.49	25.00	40°05'23"	17.14	N05°46'53"W
C10	117.66	45.00	149°48'17"	86.89	N49°04'34"E
C11	18.42	25.00	42°12'27"	18.00	S77°07'31"E
C12	31.48	100.00	18°02'04"	31.35	S89°12'42"E
C13	35.16	25.00	80°34'46"	32.33	S39°54'18"E
C14	41.78	25.00	95°45'32"	27.09	S51°55'34"W
C15	57.86	225.00	14°44'06"	57.71	N72°49'37"W
C16	37.60	25.00	86°10'45"	34.16	N22°22'12"W
C17	77.47	725.00	6°07'21"	77.43	N17°59'31"E
C18	74.36	50.00	85°12'29"	67.69	N57°12'05"E
C19	15.36	225.00	3°54'39"	15.35	N78°14'21"W
C20	42.51	225.00	10°49'27"	42.44	N70°52'18"W
C21	45.46	725.00	3°35'34"	45.45	N18°55'24"E
C22	32.01	725.00	2°31'47"	32.01	N15°51'44"E
C23	38.92	25.00	89°11'55"	35.11	S55°12'31"W
C24	39.00	25.00	89°22'15"	35.16	N33°43'15"W
C25	62.14	275.00	12°56'49"	62.01	N71°55'59"W
C26	37.60	25.00	86°10'33"	34.16	S71°27'09"W
C27	38.54	675.00	3°16'17"	38.53	N16°43'45"E
C28	68.04	675.00	5°46'33"	68.02	N22°12'20"E
C29	59.54	675.00	5°03'15"	59.52	N16°47'26"E
C30	12.77	25.00	29°15'55"	12.63	N00°22'09"W
C31	4.72	25.00	10°49'27"	4.72	N20°34'50"E
C32	55.41	45.00	70°32'47"	51.97	N09°26'50"E
C33	52.46	45.00	66°47'31"	49.54	N78°06'59"E
C34	9.79	45.00	12°27'59"	9.77	S62°15'18"E
C35	47.13	30.00	90°00'27"	42.43	N44°43'00"W
C36	198.43	541.06	21°00'45"	197.32	N10°47'24"E
C37	128.83	402.94	18°19'09"	128.28	N30°27'21"E
C38	90.58	650.00	7°59'05"	90.51	N35°57'15"E
C39	67.19	580.48	6°37'56"	67.15	N28°14'17"E
C40	58.47	580.48	5°46'18"	58.45	N22°02'13"E
C41	61.71	580.48	6°05'27"	61.68	N16°06'21"E
C42	155.99	580.48	15°23'50"	155.52	N05°21'42"E
C43	51.25	580.48	5°03'31"	51.23	N04°51'59"W
C44	394.62	580.48	38°57'03"	387.06	N12°04'46"E
C45	43.38	25.00	99°25'14"	38.14	N50°05'42"E
C46	47.12	30.00	90°00'00"	42.43	S45°23'05"W
C47	47.12	30.00	90°00'00"	42.43	N44°36'55"W
C48	39.27	25.00	90°00'00"	35.36	N45°23'06"W
C49	37.67	25.00	86°20'17"	34.21	N46°23'46"W
C50	18.83	25.00	43°09'28"	18.39	N21°57'49"E
C51	24.55	25.00	56°15'46"	23.57	N71°40'26"E
C52	35.16	25.00	80°34'46"	32.33	S34°54'18"E
C53	168.20	700.00	13°46'03"	167.86	N11°26'50"E
C54	45.08	75.00	34°26'14"	44.40	N31°48'57"E
C55	66.46	75.00	50°46'15"	64.11	N74°25'12"E
C56	111.54	75.00	85°12'29"	101.54	S57°12'05"W
C57	121.50	700.00	9°56'42"	121.35	S14°34'11"W
C58	46.70	700.00	3°49'21"	46.69	S26°27'13"W
C59	64.29	250.00	14°44'06"	64.12	S72°49'37"E
C60	4.20	250.00	0°57'44"	4.20	S10°17'12"W

NOTE:
Tract F-1 is dedicated to the City of Albuquerque as additional right-of-way for Lowell Street pursuant to all of the terms and conditions contained in that certain document entitled Dedication Deed (Lowell Street) and Grants of Easement (the "Dedication Deed"), which Dedication Deed was recorded in the Bernalillo County, New Mexico real estate records on January 8, 1985, in Misc. Bk. 190-A, pages 237-244.

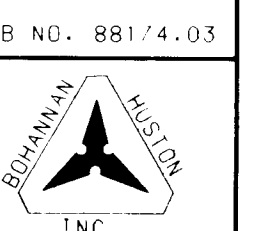
TANGENT DATA		
NUMBER	BEARING	DISTANCE
11	N89°36'55"W	43.00
12	N00°46'31"E	47.47
13	S07°23'44"E	44.37
14	N60°36'01"E	176.51
15	N27°13'26"E	87.29
16	S71°00'03"E	156.80
17	S89°36'55"E	144.90
18	N32°26'24"W	20.78
19	S80°11'41"E	1.77
110	S80°11'41"E	7.38
111	S80°11'41"E	13.09
112	N65°27'34"W	43.87
113	N81°00'14"W	50.02
114	N61°38'07"W	50.00
115	N39°36'56"E	45.41
116	N07°23'44"W	44.37
117	S71°15'27"E	52.68
118	S80°11'41"E	40.55
119	N05°26'47"W	50.26
120	N09°48'19"E	50.00
121	S89°36'55"E	58.45
122	S40°57'56"E	11.96
123	N09°48'19"E	45.81
124	N00°23'05"E	50.68

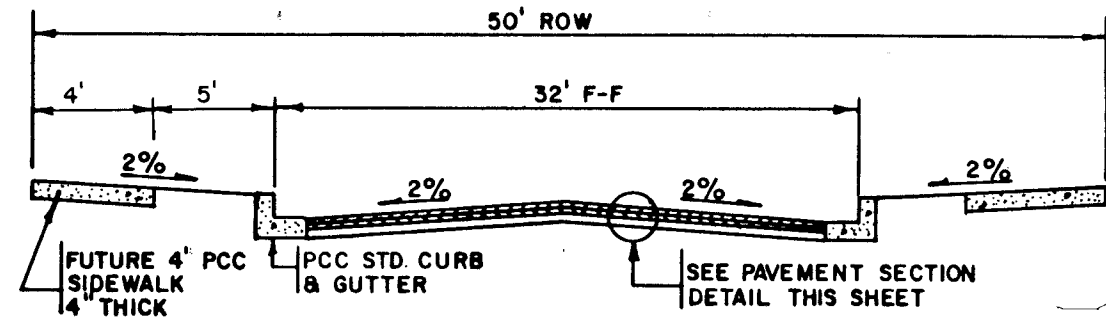
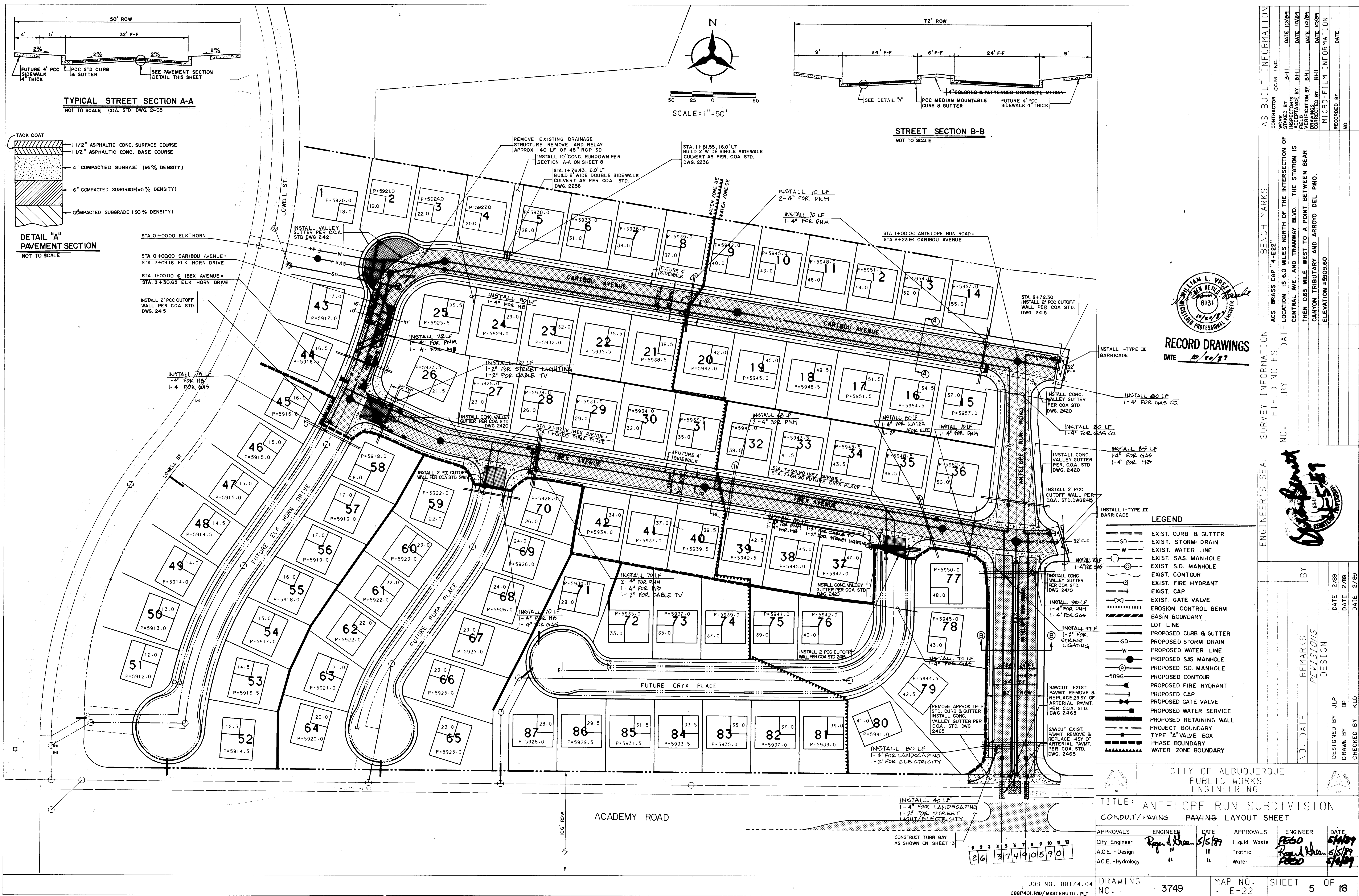


- PUBLIC UTILITY EASEMENTS
- PUBLIC UTILITY EASEMENTS shown on this plat are ten (10) feet wide and are granted for the common joint use of:
- The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to provide electrical service.
 - The Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
 - Mountain Bell for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.
 - Jones Interchange for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.
- Included is the right of ingress and egress for the construction and maintenance and the right to trim interfering trees and shrubs. Also included is the right to install and maintain service lines.

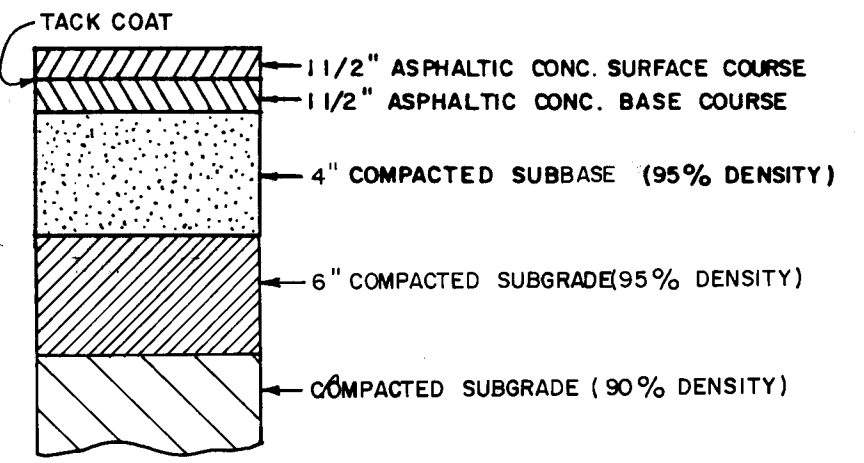
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SHEET 2 OF 3 SHEETS

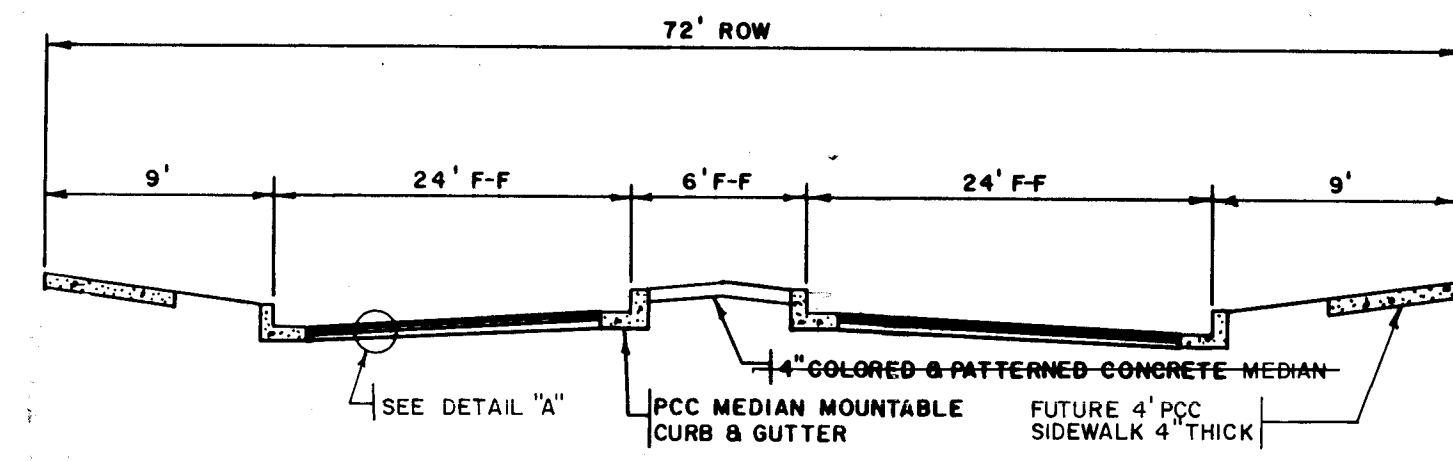




TYPICAL STREET SECTION A-A
NOT TO SCALE COA STD. DWG. 2405



DETAIL "A"
PAVEMENT SECTION
NOT TO SCALE



STREET SECTION B-B
NOT TO SCALE



RECORD DRAWINGS
DATE 10/22/97

LEGEND

---	EXIST. CURB & GUTTER
SD	EXIST. STORM DRAIN
W	EXIST. WATER LINE
○	EXIST. SAS MANHOLE
○	EXIST. S.D. MANHOLE
○	EXIST. CONTOUR
○	EXIST. FIRE HYDRANT
○	EXIST. CAP
○	EXIST. GATE VALVE
-----	EROSION CONTROL BERM
-----	LOT LINE
---	PROPOSED CURB & GUTTER
SD	PROPOSED STORM DRAIN
W	PROPOSED WATER LINE
○	PROPOSED SAS MANHOLE
○	PROPOSED S.D. MANHOLE
---	PROPOSED CONTOUR
○	PROPOSED FIRE HYDRANT
○	PROPOSED CAP
○	PROPOSED GATE VALVE
---	PROPOSED WATER SERVICE
---	PROPOSED RETAINING WALL
---	PROJECT BOUNDARY
---	TYPE "A" VALVE BOX
---	PHASE BOUNDARY
---	WATER ZONE BOUNDARY

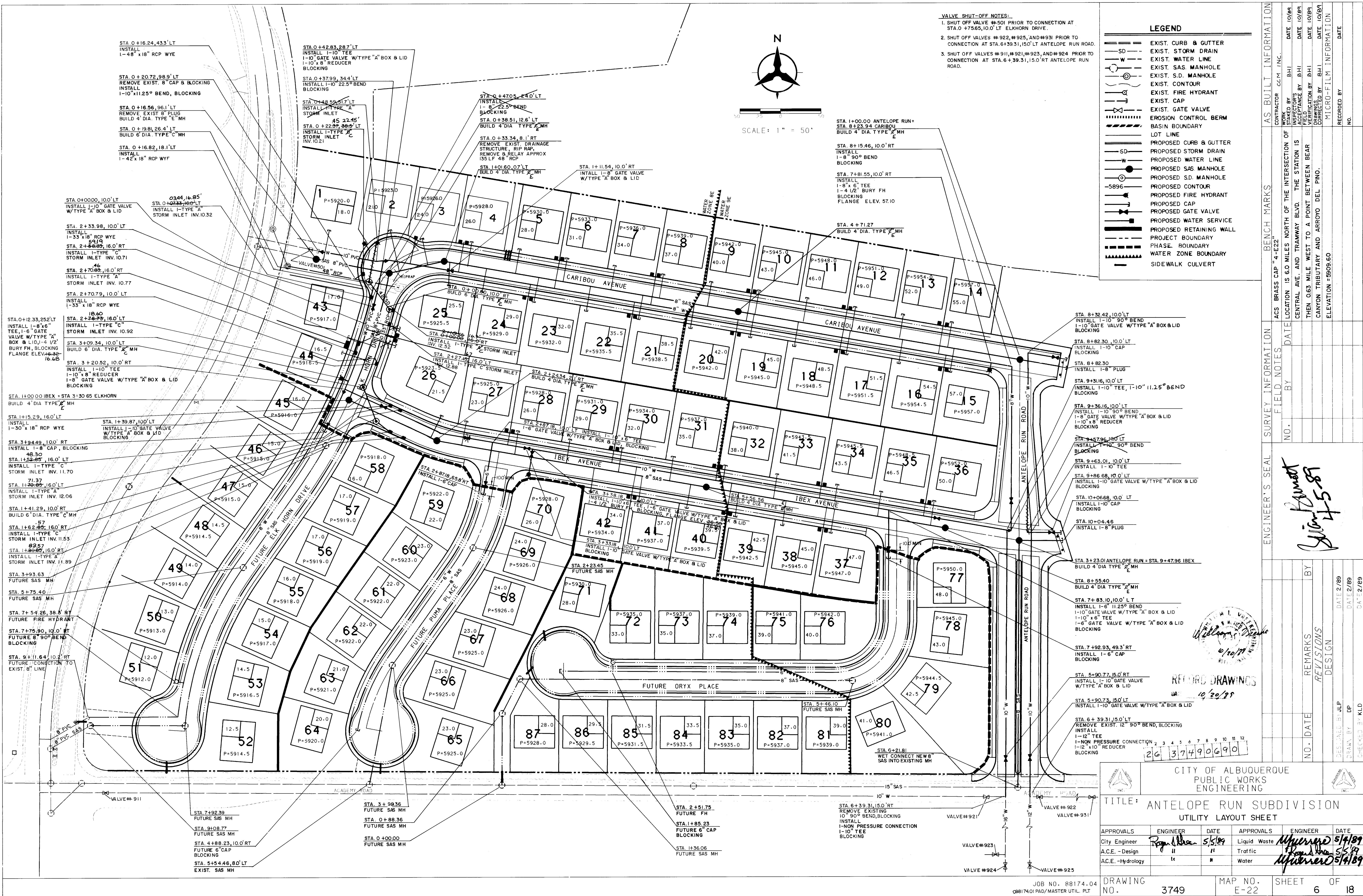
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

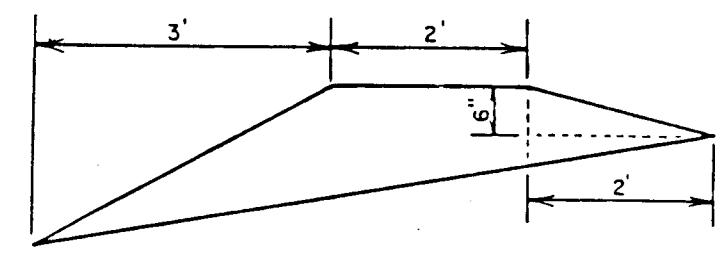
TITLE: ANTELOPE RUN SUBDIVISION
CONDUIT/PAVING PAVING LAYOUT SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Reginald J. Hume	5/5/97	Liquid Waste	REGO	5/10/97
A.C.E. - Design	"	"	Traffic	Reginald J. Hume	5/5/97
A.C.E. - Hydrology	"	"	Water	REGO	5/10/97

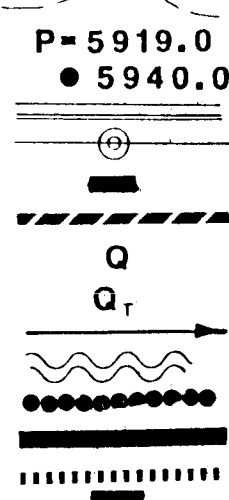
DRAWING NO. 3749 MAP NO. E-22 SHEET 5 OF 18

JOB NO. 88174.04
C8817401.PMD/MASTERUTIL.PLT



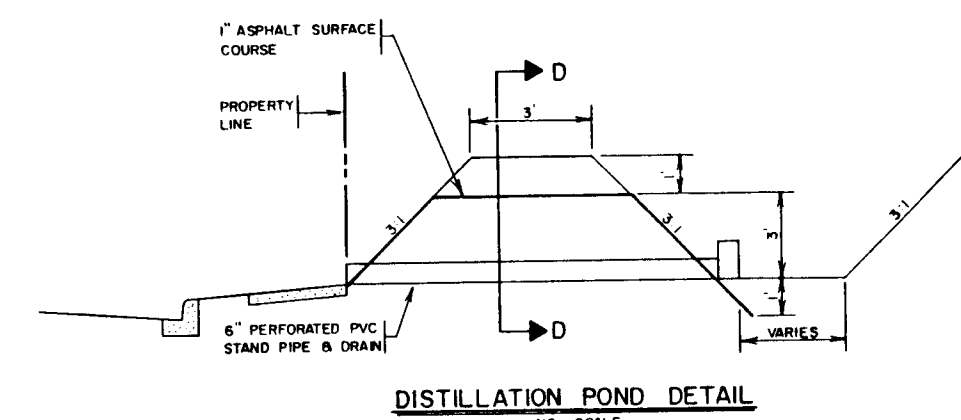
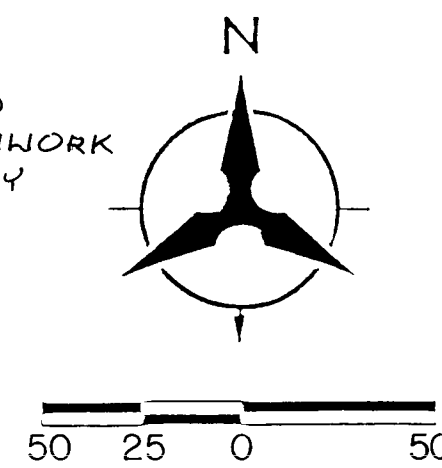


TEMPORARY EROSION CONTROL BERM
(TO BE PLACED ACROSS EACH LOT AT STREET SIDES)

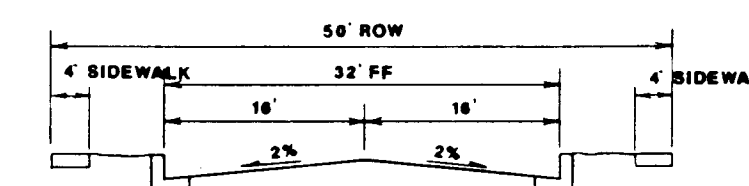


EXISTING CONTOUR
PROPOSED PAD ELEVATION
PROPOSED SPOT ELEVATION
PROPOSED CURB & GUTTER
PROPOSED STORM DRAIN LINE
PROPOSED STORM DRAIN INLET
DRAINAGE BASIN BOUNDARY
FLOW RATE
TOTAL FLOW RATE
PROPOSED DIRECTION OF FLOW
WATER BLOCK
PROPOSED CONCRETE RUNDOWN
PROPOSED RETAINING WALL
PROPOSED EROSION CONTROL BERM
PROPOSED SIDEWALK CULVERT

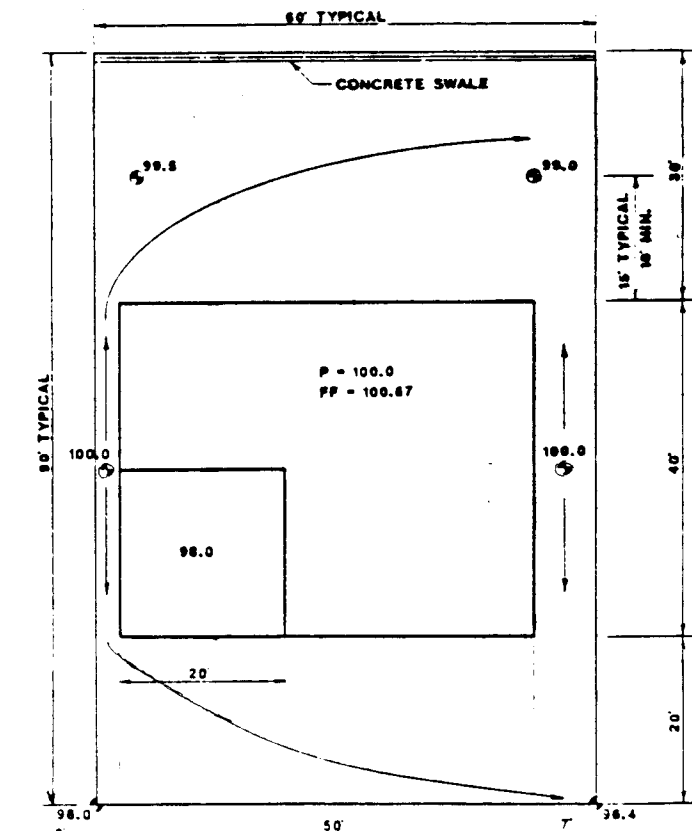
NOTE:
BOHANNAN-HUSTON INC. DID
NOT INSPECT THE EARTHWORK
OPERATIONS PERFORMED BY
CCM INC.



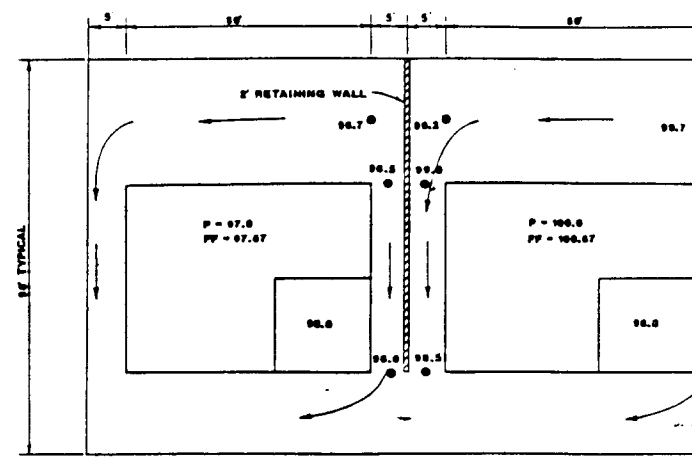
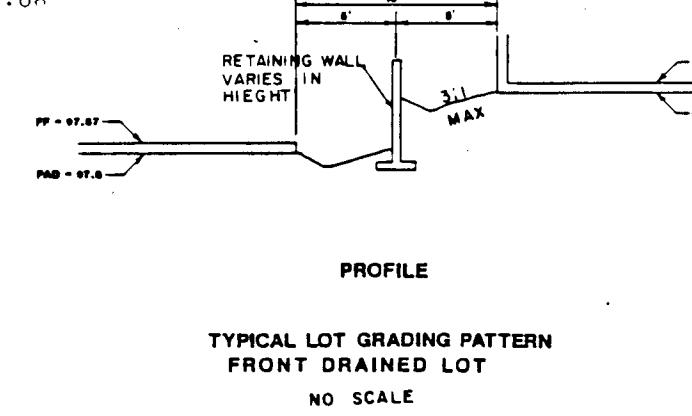
SECTION D-D



STREET SECTION
NO SCALE



TYPICAL


$$\rightarrow \dot{Q} = 14.5 \text{ cfs}$$


TYPICAL LOT GRADING PATTERN
FRONT DRAINED LOT
NO SCALE

26 37490790

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: ANTELOPE RUN SUBDIVISION
FINAL GRADING & DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Rogard Green</i>	<i>5/5/89</i>	Liquid Waste	<i>PEGO</i>	<i>5/4/89</i>
ACE - Design	"	"	Traffic	<i>Rogard Green</i>	<i>5/5/89</i>
ACE - Hydrology	"	"	Water	<i>PEGO</i>	<i>5/4/89</i>

DRAWING	MAP NO.	SHEET	OF
3740	E-22	7	18

JOB NO. 88174.05
C8817401 RAD/GRADE-MAR17 811

C8817401.PAD/GRADE-MAR17.PL1

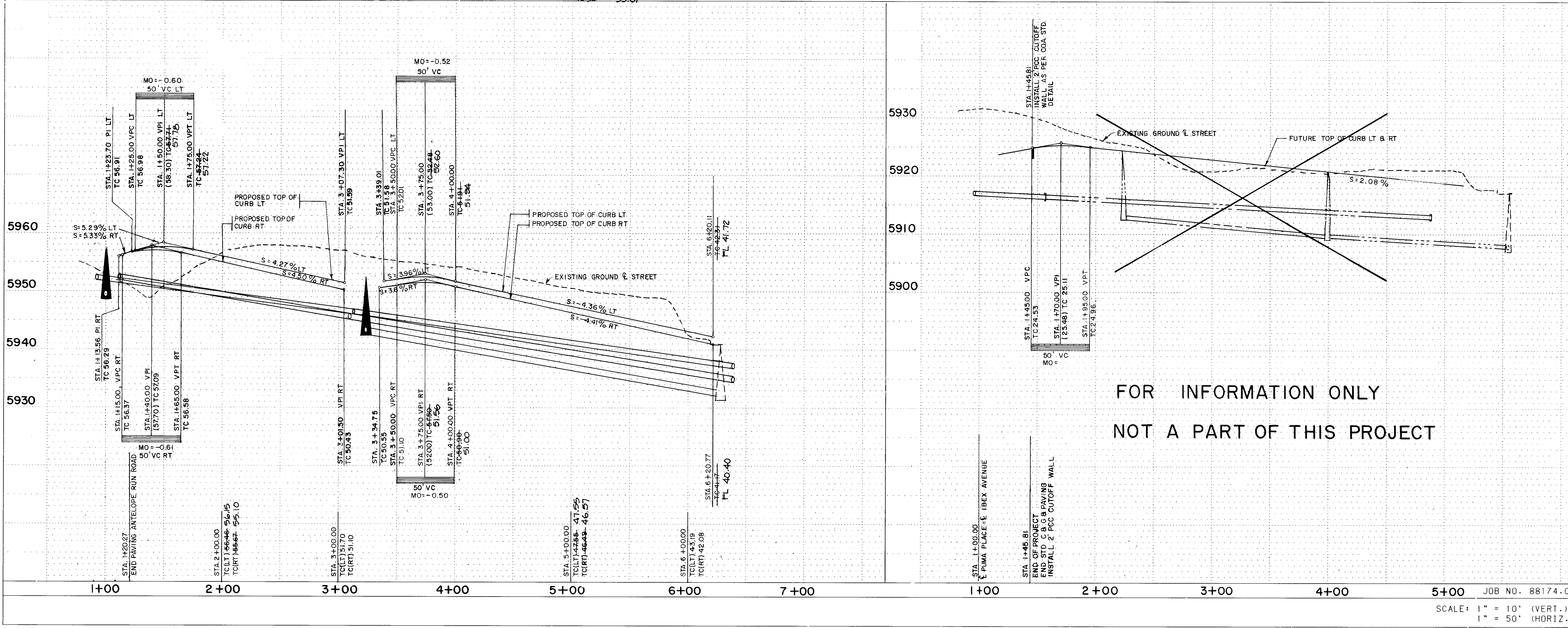
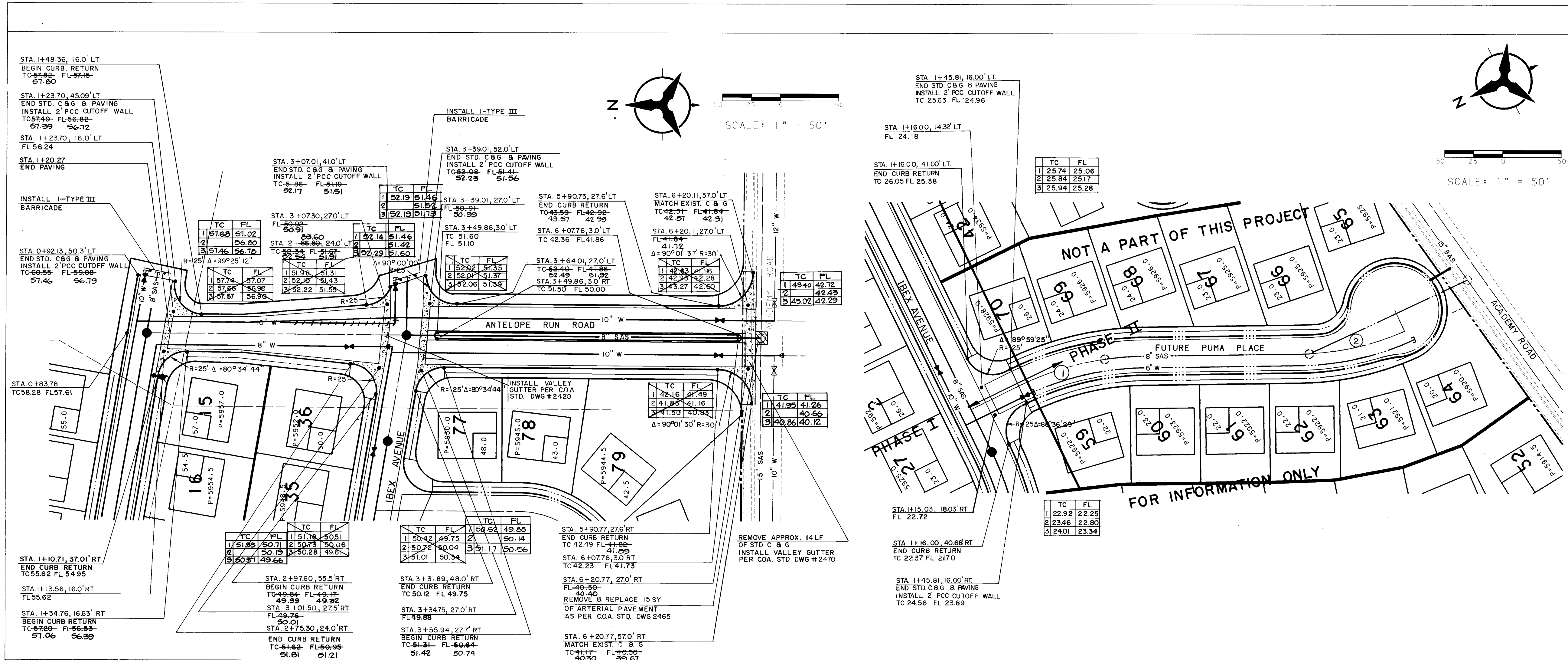
ENGINEER'S SEAL						SURVEY INFORMATION FIELD NOTES		BENCH MARKS		AS BUILT INFORMATION	
						NO.		BY DATE		CONTRACTOR C.C.M. INC.	
								ACS BRASS CAP "A-E22"			
								LOCATION IS 60 MILES NORTH OF THE INTERSECTION OF CENTRAL AVE. AND TRAMWAY BLVD. THE STATION IS THEN 0.63 MILES WEST TO A POINT BETWEEN BEAR CANYON TRIBUTARY AND ARROYO DEL PINO. ELEVATION = 5908.60			
										INSPECTOR'S SIGNATURE	
										DATE	
										ACCEPTANCE BY	
										DATE	
										DRAWN BY	
										DATE	
										MICRO-FILM INFORMATION	
										RECORDED BY	
										NO.	

Approved
 JUNE 5-89

KLD/JLP 3/89
 JLP 3/89
 KLD 3/89

NO. DATE REMARKS BY
 REVISIONS
 DESIGN

SHEET 7 OF 18



1

PC STA 1+45.81

PT STA 2+57.00

Δ=25°28'55"

D=22.55'

LC=119.9'

LC=230.00'

2

PC STA 3+90.97

PT STA 4+83.71

Δ=25°06'11"

D=22.55'

LC=119.9'

LC=230.00'

RECORD DRAWINGS

DATE 10/20/89

LEGEND

EXIST. CURB & GUTTER

EXIST. STORM DRAIN

EXIST. WATER LINE

EXIST. SAS MANHOLE

EXIST. S.D. MANHOLE

EXIST. CONTOUR

EXIST. FIRE HYDRANT

EXIST. CAP

EXIST. GATE VALVE

EROSION CONTROL BERM

BASIN BOUNDARY

LOT LINE

PROPOSED CURB & GUTTER

PROPOSED STORM DRAIN

PROPOSED WATER LINE

PROPOSED SAS MANHOLE

PROPOSED S.D. MANHOLE

PROPOSED CONTOUR

PROPOSED FIRE HYDRANT

PROPOSED CAP

PROPOSED GATE VALVE

PROPOSED WATER SERVICE

PROPOSED RETAINING WALL

PROJECT BOUNDARY

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

26 37 49 08 90

CITY OF ALBUQUERQUE

PUBLIC WORKS

ENGINEERING

TITLE: ANTELOPE RUN SUBDIVISION

ANTELOPE RUN RD/PUMA PL. PAVING PLAN & PROFILE

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

City Engineer

Reginald

5/5/89

Liquid Waste

Reginald

5/5/89

A.C.E.-Design

"

"

Traffic

Reginald

5/5/89

A.C.E.-Hydrology

"

"

Water

Reginald

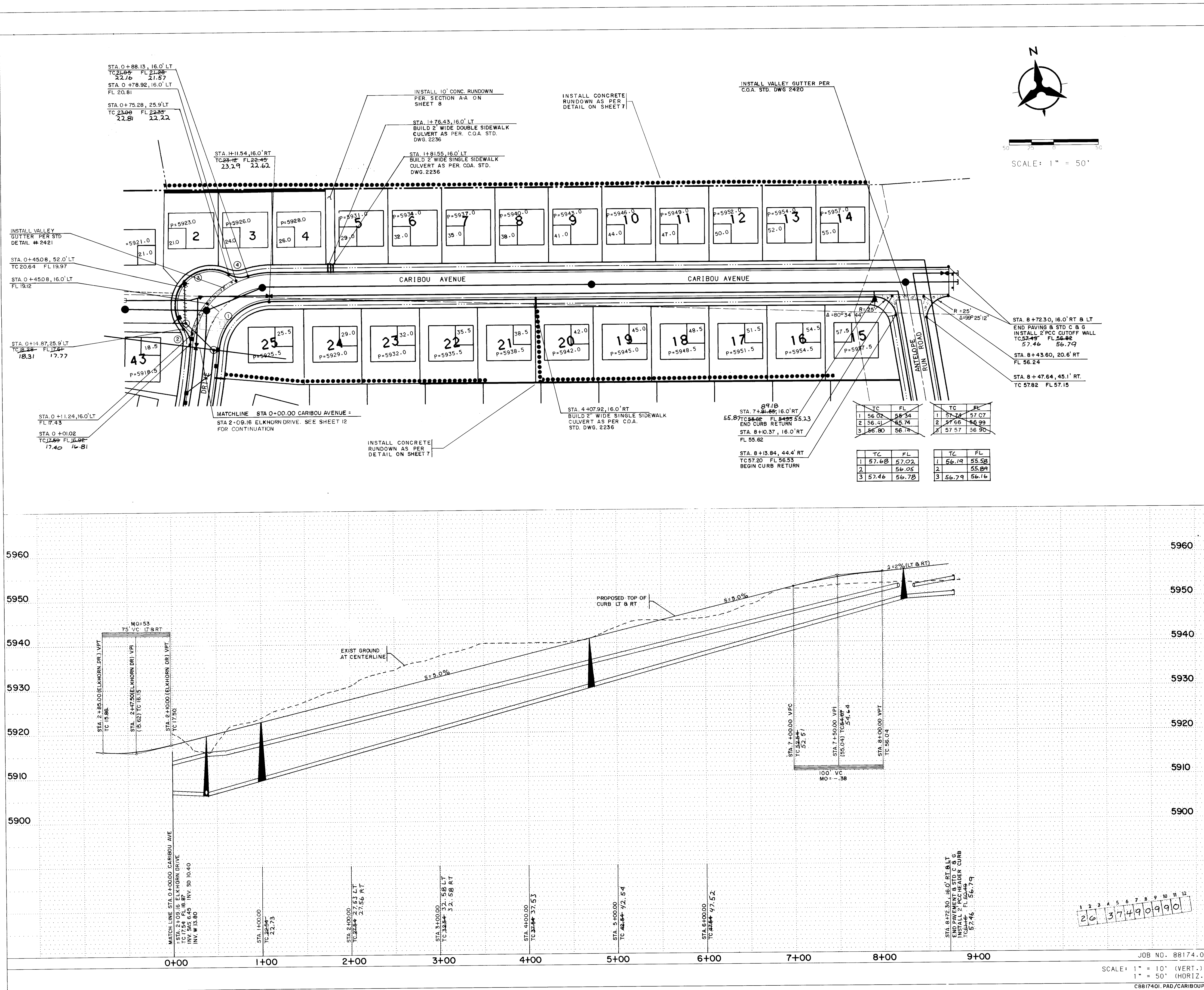
5/5/89

DRAWING

NO. 3749

MAP NO. E-22

SHEET 8 OF 18



AS BUILT INFORMATION

CONTRACTOR CCM INC.

WORK ORDER NO. 10/20/89

DATE 10/89

BENCH MARKS

ACCS BRASS CAP "4-E22"

LOCATION IS 6.0 MILES NORTH OF THE INTERSECTION OF CENTRAL AVE. AND TRAMWAY BLVD. THE STATION IS THEN 0.63 MILE WEST TO A POINT BETWEEN BEAR CANYON TRIBUTARY AND ARROYO DEL PINO. ELEVATION = 5905.60

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

ENGINEER'S SEAL

WILLIAM L. VRIESEN

REGISTERED PROFESSIONAL

10/20/89

8137

RECORD DRAWINGS

DATE 10/20/89

LEGEND

EXIST. CURB & GUTTER

EXIST. STORM DRAIN

EXIST. WATER LINE

EXIST. SAS MANHOLE

EXIST. S.D. MANHOLE

EXIST. CONTOUR

EXIST. FIRE HYDRANT

EXIST. CAP

EXIST. GATE VALVE

EROSION CONTROL BERM

BASIN BOUNDARY

LOT LINE

PROPOSED CURB & GUTTER

PROPOSED STORM DRAIN

PROPOSED WATER LINE

PROPOSED SAS MANHOLE

PROPOSED S.D. MANHOLE

PROPOSED CONTOUR

PROPOSED FIRE HYDRANT

PROPOSED CAP

PROPOSED GATE VALVE

PROPOSED WATER SERVICE

PROPOSED RETAINING WALL

PROJECT BOUNDARY

CITY OF ALBUQUERQUE

PUBLIC WORKS

ENGINEERING

TITLE: ANTELOPE RUN SUBDIVISION

CARIBOU AVENUE PAVING PLAN & PROFILE

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

City Engineer

Regina A. Khan

5/5/89

Liquid Waste

Regina A. Khan

5/5/89

A.C.E.-Design

"

"

Traffic

Regina A. Khan

5/5/89

A.C.E.-Hydrology

"

"

Water

Regina A. Khan

5/5/89

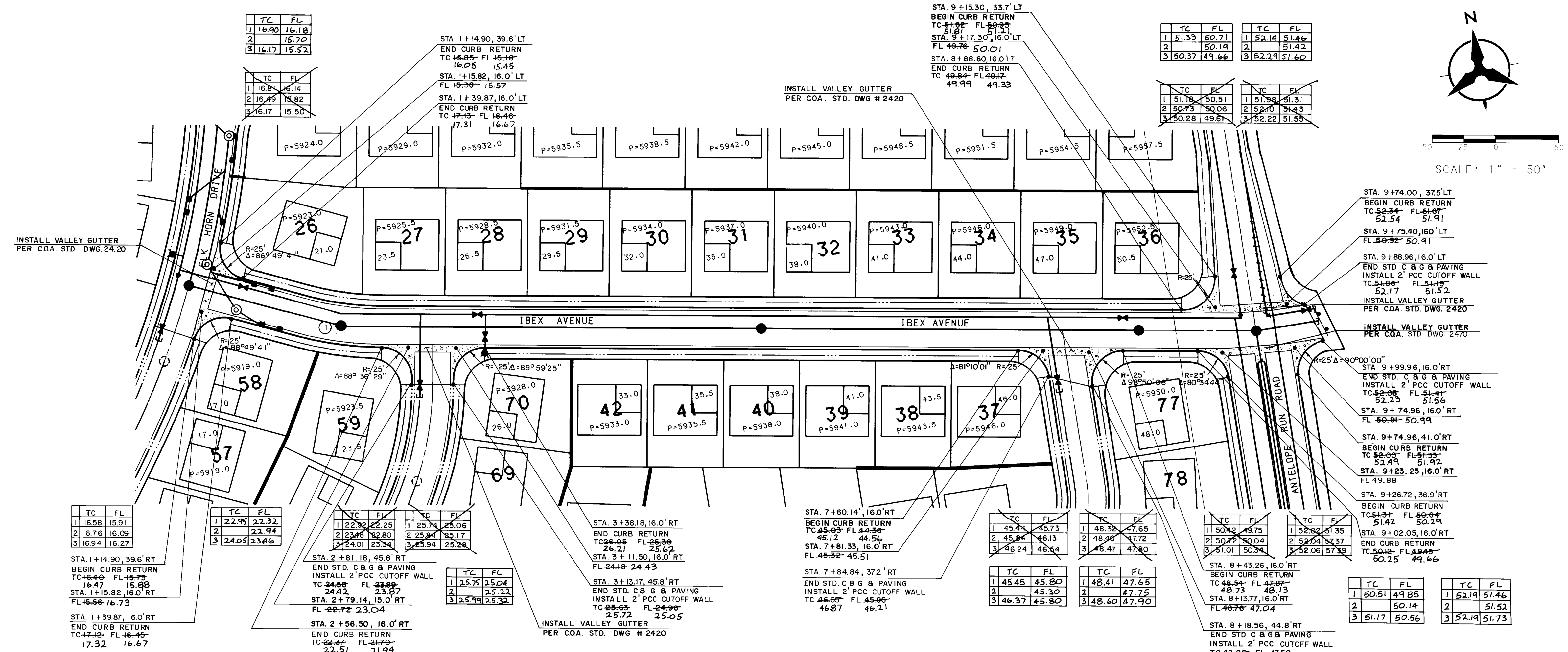
DRAWING NO. 3749

MAP NO. E-22

SHEET 9 OF 18

JOB NO. 88174.04
SCALE: 1" = 10' (VERT.)
1" = 50' (HORIZ.)

C8817401.PAD/CARIBOUPNP.PLT



CURVE DATA	
①	1+92.19 TO 2+56.50
Δ	14° 44' 13"
D	22° 55' 05"
T	32.33'
L	64.30'
R	250.00'

RECORD DRAWINGS
DATE 10/20/99

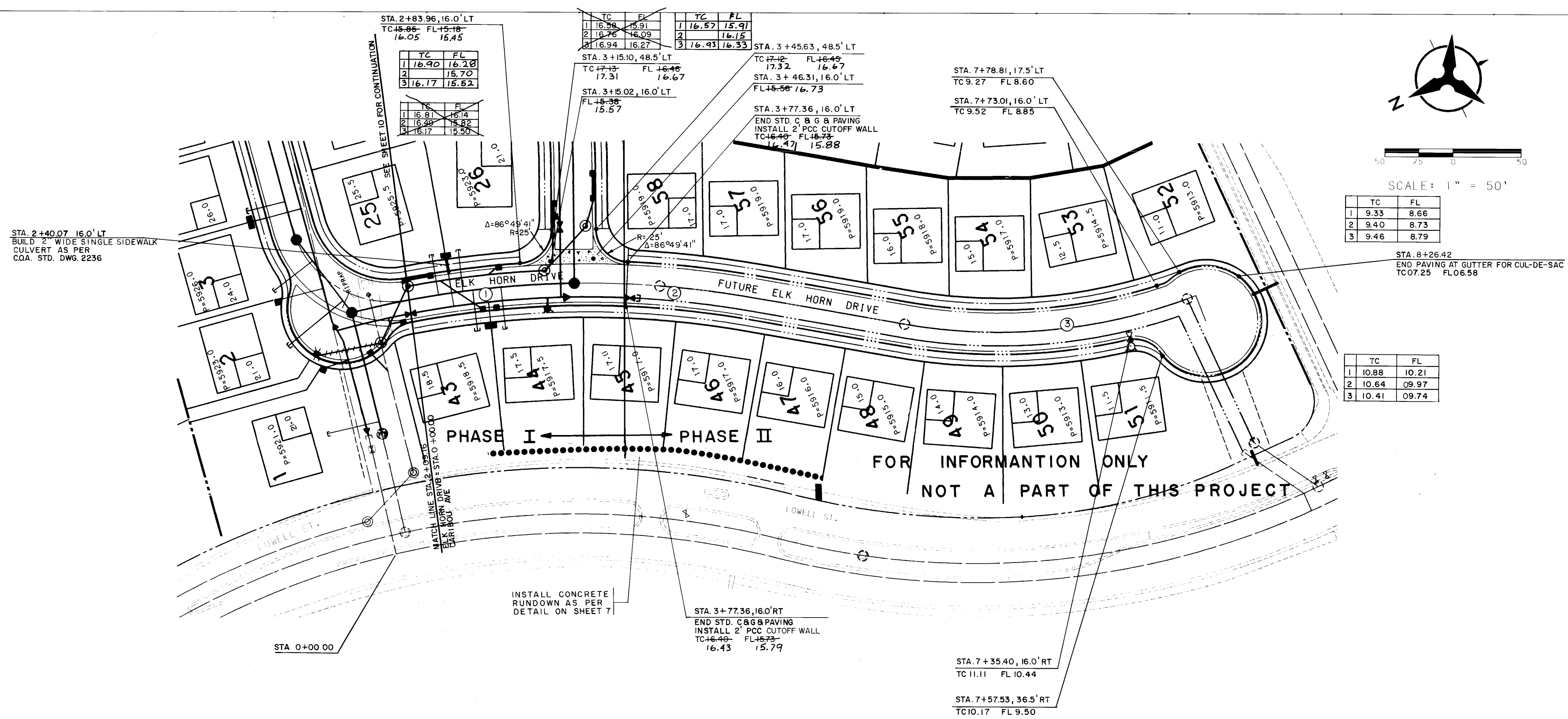
- LEGEND
- EXIST. CURB & GUTTER
 - EXIST. STORM DRAIN
 - EXIST. WATER LINE
 - EXIST. SAS MANHOLE
 - EXIST. S.D. MANHOLE
 - EXIST. CONTOUR
 - EXIST. FIRE HYDRANT
 - EXIST. CAP
 - EXIST. GATE VALVE
 - EROSION CONTROL BERM
 - BASIN BOUNDARY
 - LOT LINE
 - PROPOSED CURB & GUTTER
 - PROPOSED STORM DRAIN
 - PROPOSED WATER LINE
 - PROPOSED SAS MANHOLE
 - PROPOSED S.D. MANHOLE
 - PROPOSED CONTOUR
 - PROPOSED FIRE HYDRANT
 - PROPOSED CAP
 - PROPOSED GATE VALVE
 - PROPOSED WATER SERVICE
 - PROPOSED RETAINING WALL
 - PROJECT BOUNDARY

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: ANTELOPE RUN SUBDIVISION
IBEX AVENUE PAVING PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Robert J. [Signature]	5/5/99	Liquid Waste	REGO	5/4/99
A.C.E.-Design	"	"	Traffic	REGO	5/5/99
A.C.E.-Hydrology	"	"	Water	REGO	5/4/99

JOB NO. 88174.04
SCALE: 1" = 10' (VERT.)
1" = 50' (HORIZ.)
DRAWING NO. 3749
MAP NO. E-22
SHEET 10 OF 18

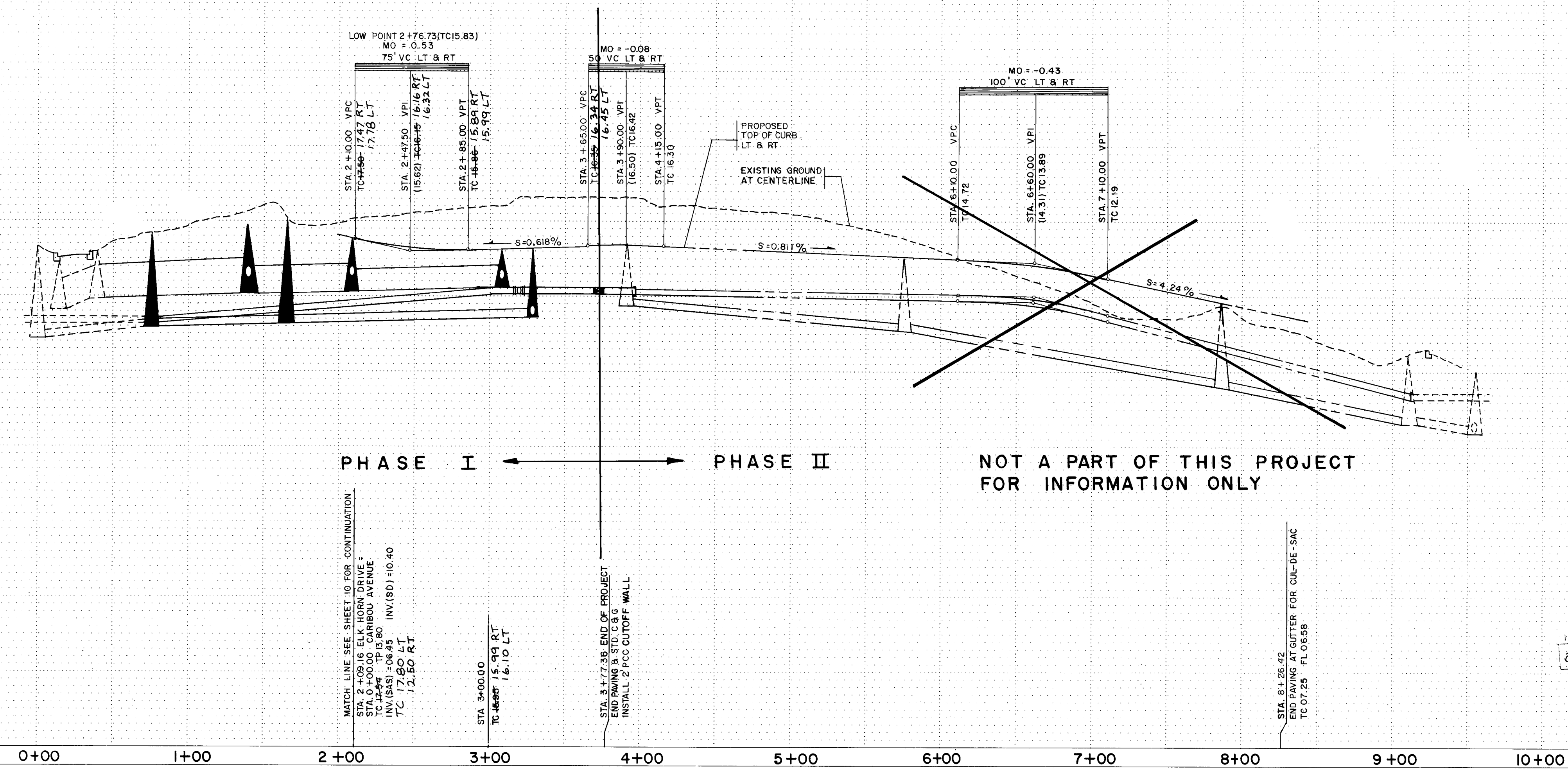


CURVE DATA	
①	2+09.16 TO 3+69.41
Δ	-13° 10' 37"
D	8° 11' 06"
T	80.48'
L	160.25'
R	700.00'
②	3+69.41 TO 4+69.94
Δ	-7° 34' 23"
D	8° 11' 06"
T	16.33'
L	32.52'
R	700.00'
③	5+75.41 TO 7+92.39
Δ	31° 04' 52"
D	14° 19' 26"
T	117.24'
L	16.99'
R	400.00'



RECORD DRAWINGS
DATE 10/20/89

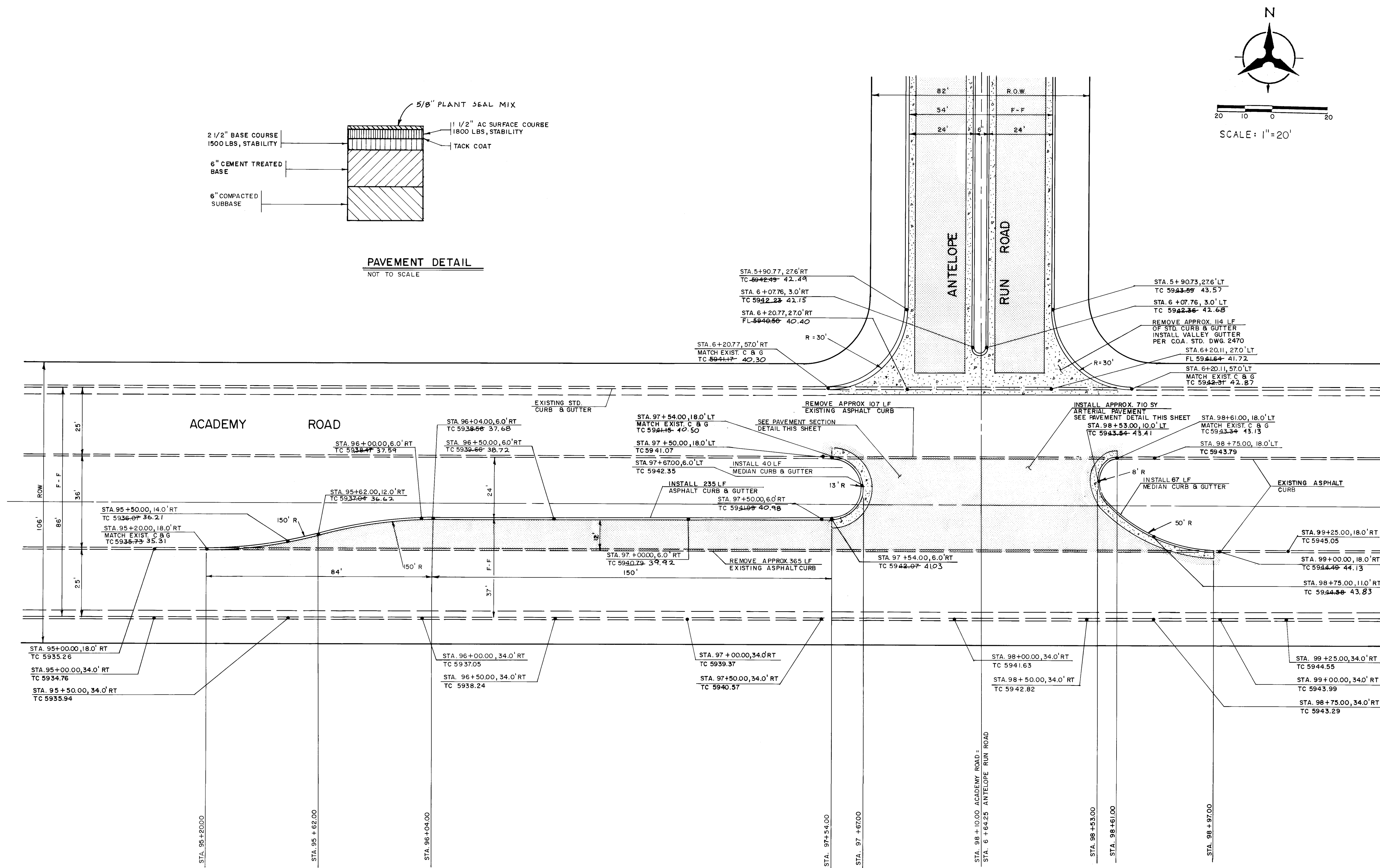
- LEGEND
- EXIST. CURB & GUTTER
 - SD EXIST. STORM DRAIN
 - W EXIST. WATER LINE
 - EXIST. S.S. MANHOLE
 - EXIST. S.D. MANHOLE
 - EXIST. CONTOUR
 - EXIST. FIRE HYDRANT
 - EXIST. CAP
 - EXIST. GATE VALVE
 - EROSION CONTROL BERM
 - BASIN BOUNDARY
 - LOT LINE
 - PROPOSED CURB & GUTTER
 - SD PROPOSED STORM DRAIN
 - W PROPOSED WATER LINE
 - PROPOSED S.S. MANHOLE
 - PROPOSED S.D. MANHOLE
 - PROPOSED CONTOUR
 - PROPOSED FIRE HYDRANT
 - PROPOSED CAP
 - PROPOSED GATE VALVE
 - PROPOSED WATER SERVICE
 - PROPOSED RETAINING WALL
 - PROJECT BOUNDARY



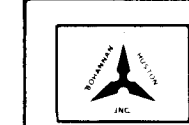
1	2	3	4	5	6	7	8	9	10	11	12
2	6	3	7	4	9	1	1	9	0		

CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING	
TITLE: ANTELOPE RUN SUBDIVISION ELKHORN DRIVE PAVING PLAN & PROFILE	
APPROVALS	ENGINEER DATE
City Engineer	Ronald Rivera 5/5/89
A.C.E. - Design	" " "
A.C.E. - Hydrology	" " "
APPROVALS	ENGINEER DATE
Liquid Waste	PE500 5/4/89
Traffic	PE500 5/5/89
Water	PE500 5/4/89
DRAWING NO.	3749
MAP NO.	E-22
SHEET	11
OF	18

JOB NO. 88174.04
SCALE: 1" = 10' (VERT.)
1" = 50' (HORIZ.)
C8817401.PAD/ELKHORNPNP.PLT



- LEGEND
- EXIST. CURB & GUTTER
 - SD - EXIST. STORM DRAIN
 - W - EXIST. WATER LINE
 - EXIST. SAS. MANHOLE
 - EXIST. S.D. MANHOLE
 - EXIST. CONTOUR
 - EXIST. FIRE HYDRANT
 - EXIST. CAP
 - EXIST. GATE VALVE
 - EROSION CONTROL BERM
 - BASIN BOUNDARY
 - LOT LINE
 - PROPOSED CURB & GUTTER
 - SD - PROPOSED STORM DRAIN
 - W - PROPOSED WATER LINE
 - PROPOSED SAS. MANHOLE
 - PROPOSED S.D. MANHOLE
 - PROPOSED CONTOUR
 - PROPOSED FIRE HYDRANT
 - PROPOSED CAP
 - PROPOSED GATE VALVE
 - PROPOSED WATER SERVICE
 - PROPOSED RETAINING WALL
 - PROJECT BOUNDARY



CITY OF ALBUQUERQUE

TITLE: ANTELOPE RUN SUBDIVISION
ACADEMY ROAD TURNBAYS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Roger L. Brown</i>	5/5/89	Liquid Waste	<i>R. Brown</i>	5/4/89
A C E - Design	"	"	Traffic	<i>R. Brown</i>	5/5/89
A C E - Hydrology	"	"	Water	<i>R. Brown</i>	5/4/89

DRAWING NO.	3749	MAP NO.	E-22	SHEET	12	OF	18
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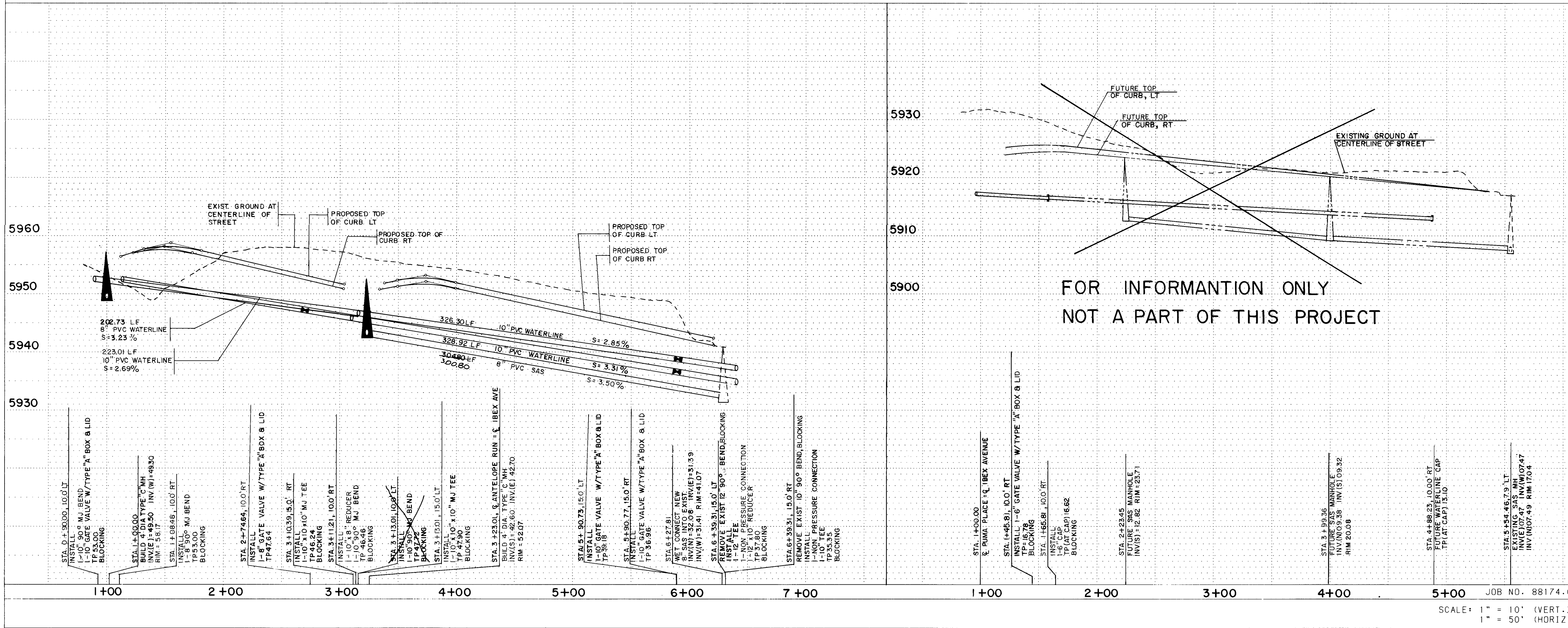
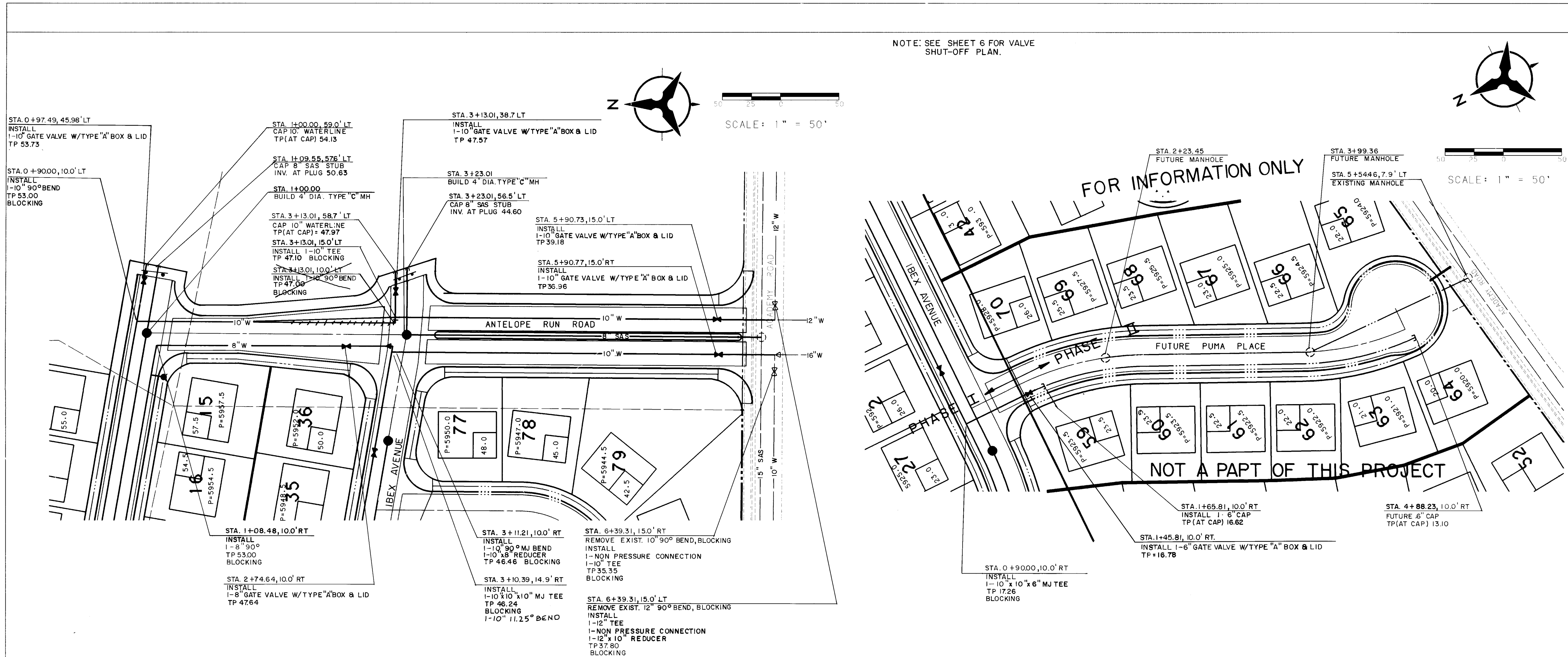
RECORD DRAWINGS

DATE 10/20/89

ENGINEER'S SEAL
Roger L. Brown
4-5-89

REVISIONS	NO.	DATE	REMARKS	BY
DESIGN				
DESIGNED BY	JLP	DATE 3/89		
DRAWN BY	DP	DATE 3/89		
CHECKED BY	KLD	DATE 3/89		

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
CONTRACTOR: CCM INC.	ACS BRASS CAP "4-E22"	FIELD NOTES	
WORK STAKED BY: BHI	LOCATION IS 60 MILES NORTH OF THE INTERSECTION OF CENTRAL AVE. AND TRAMWAY BLVD. THE STATION IS THEN 0.63 MILE WEST TO A POINT BETWEEN BEAR CANYON TRIBUTARY AND ARROYO DEL PINO	DATE	
DATE 10/89		BY	
FIELD INSPECTION BY: BHI		NO.	
DATE 10/89			
REVISIONS BY: BHI			
DATE 10/89			
CORRECTED BY: BHI			
DATE 10/89			
MICRO-FILM INFORMATION			
RECORDED BY:			
NO.			
DATE			



RECORD DRAWINGS
DATE 10/20/89

LEGEND

- EXIST. CURB & GUTTER
- SD - EXIST. STORM DRAIN
- W - EXIST. WATER LINE
- EXIST. SAS MANHOLE
- EXIST. S.D. MANHOLE
- EXIST. CONTOUR
- EXIST. FIRE HYDRANT
- EXIST. CAP
- EXIST. GATE VALVE
- EROSION CONTROL BERM
- BASIN BOUNDARY
- LOT LINE
- PROPOSED CURB & GUTTER
- SD - PROPOSED STORM DRAIN
- W - PROPOSED WATER LINE
- PROPOSED SAS MANHOLE
- PROPOSED S.D. MANHOLE
- 5896 - PROPOSED CONTOUR
- PROPOSED FIRE HYDRANT
- PROPOSED CAP
- PROPOSED GATE VALVE
- PROPOSED WATER SERVICE
- PROPOSED RETAINING WALL
- PROJECT BOUNDARY

ENGINEER'S SEAL
WILLIAM L. VREEL
Professional Engineer
No. 813
State of New Mexico
10/20/89

AS BUILT INFORMATION

CONTRACTOR	WORK	DATE
CCM INC.	STAKED BY	10/89
	ACCEPTANCE BY	10/89
	FIELD CORRECTION BY	10/89
	DRAWINGS CORRECTED BY	10/89
	MICRO-FILM INFORMATION	
	RECORDED BY	
	NO.	

REVISIONS

NO.	DATE	REMARKS
1	10/20/89	DESIGN

**CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING**

**TITLE: ANTELOPE RUN SUBDIVISION
ANTELOPE RUN DR/PUMA PL. UTILITY PLAN & PROFILE**

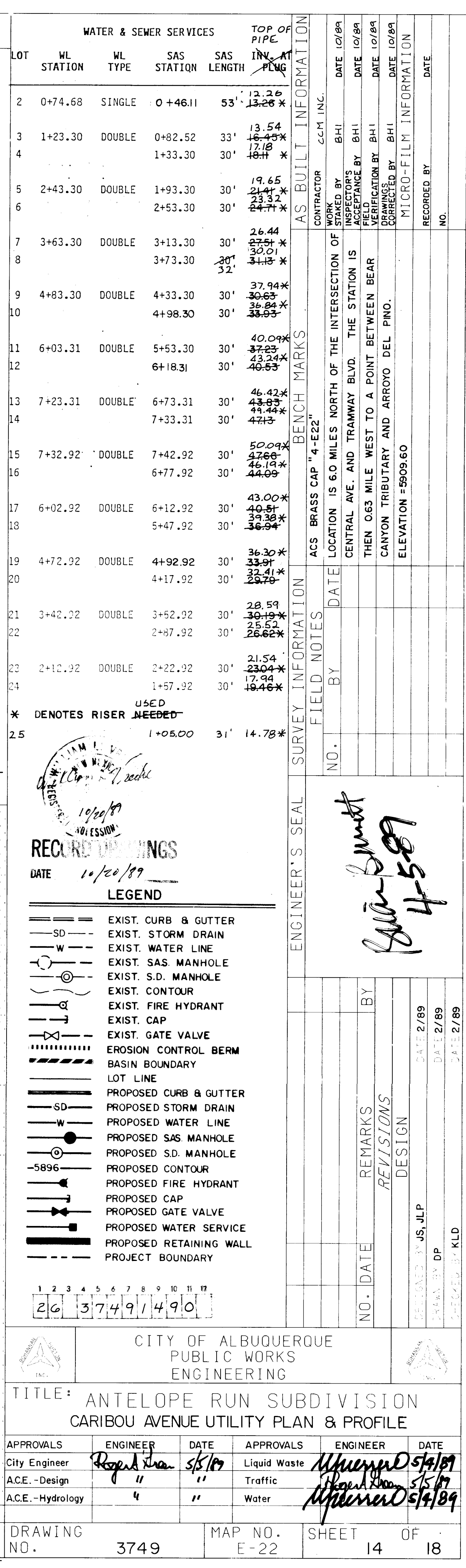
APPROVALS

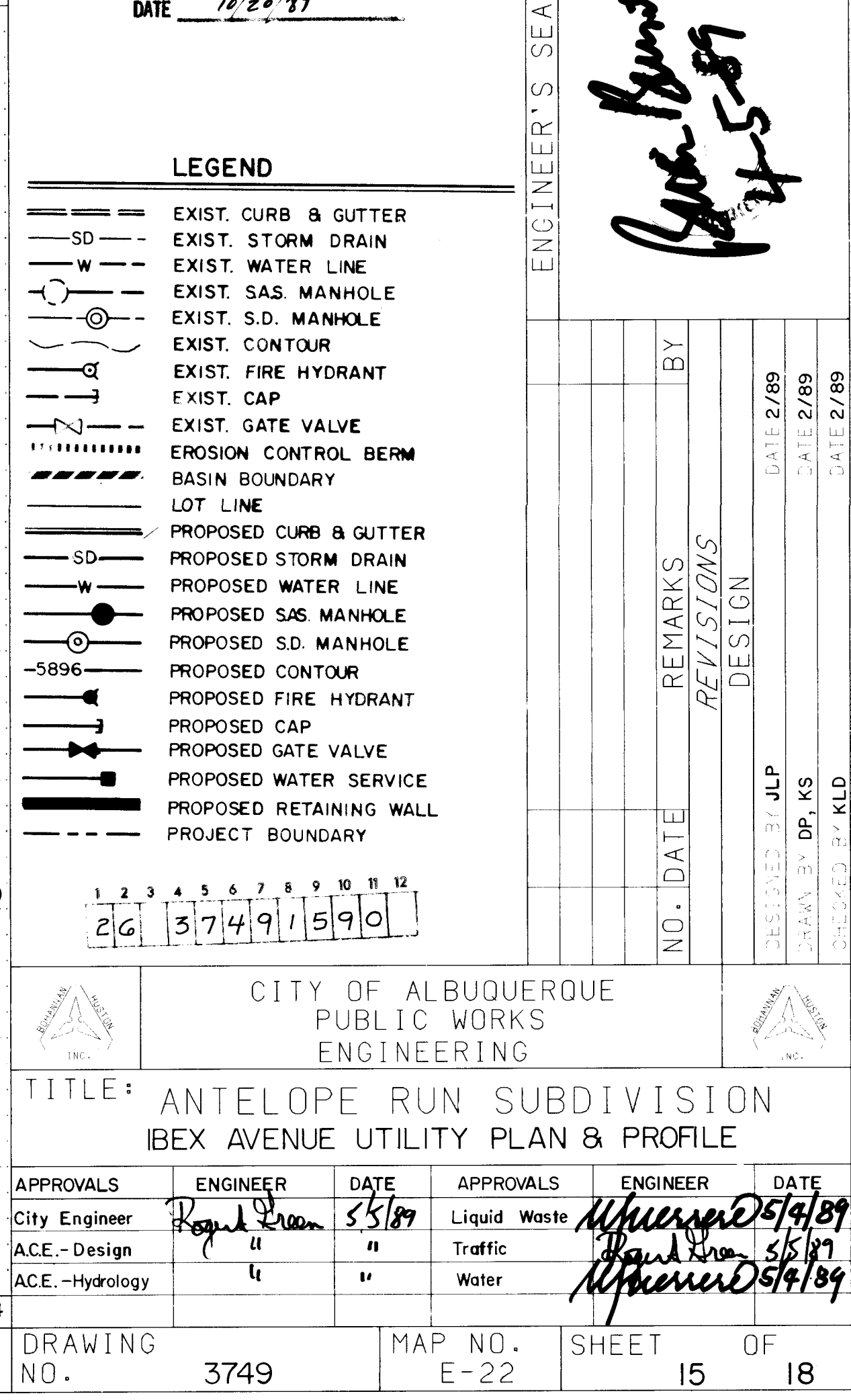
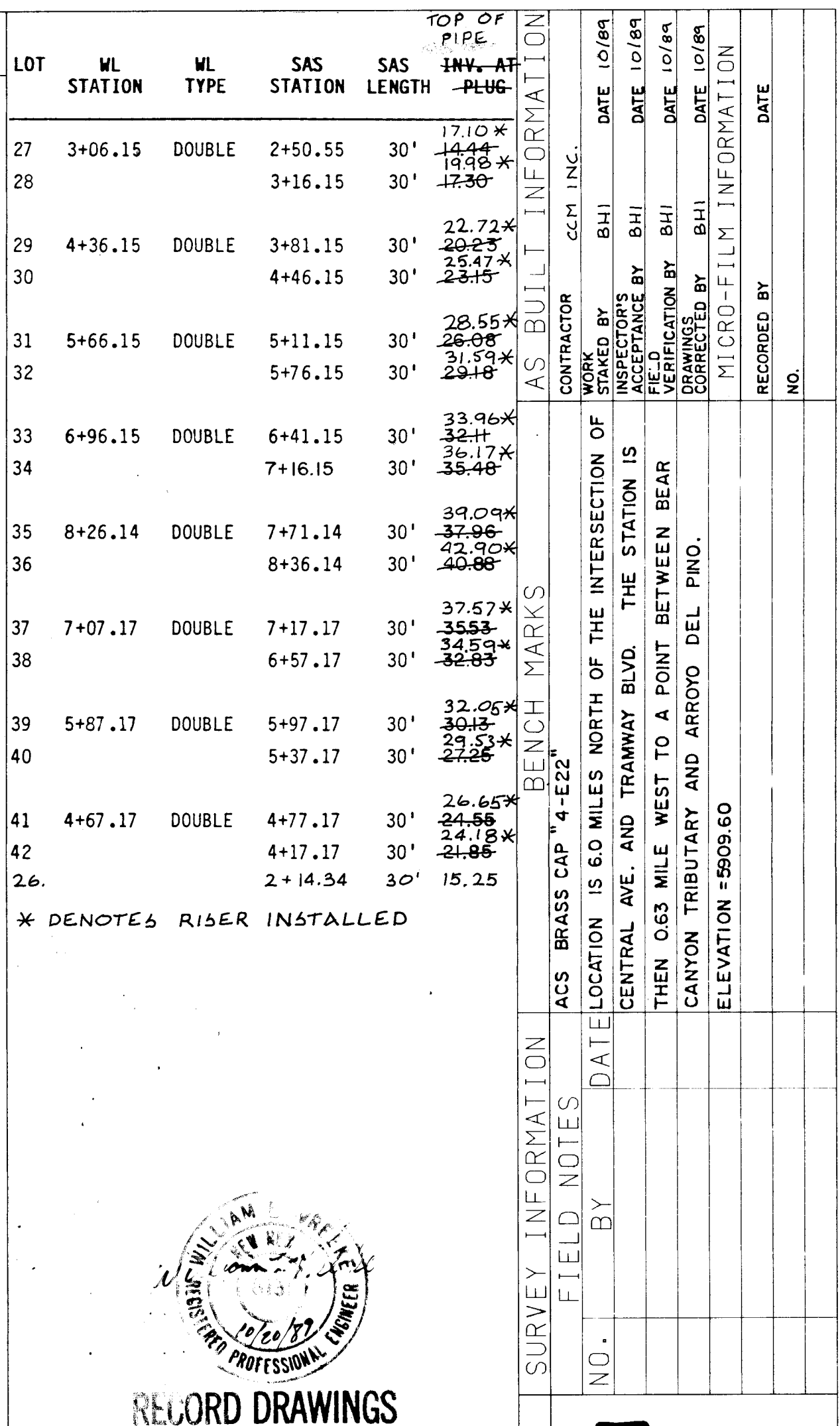
ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	10/20/89	Liquid Waste	William L. Vreel	10/20/89
ACE - Design		Traffic	William L. Vreel	10/20/89
ACE - Hydrology		Water	William L. Vreel	10/20/89

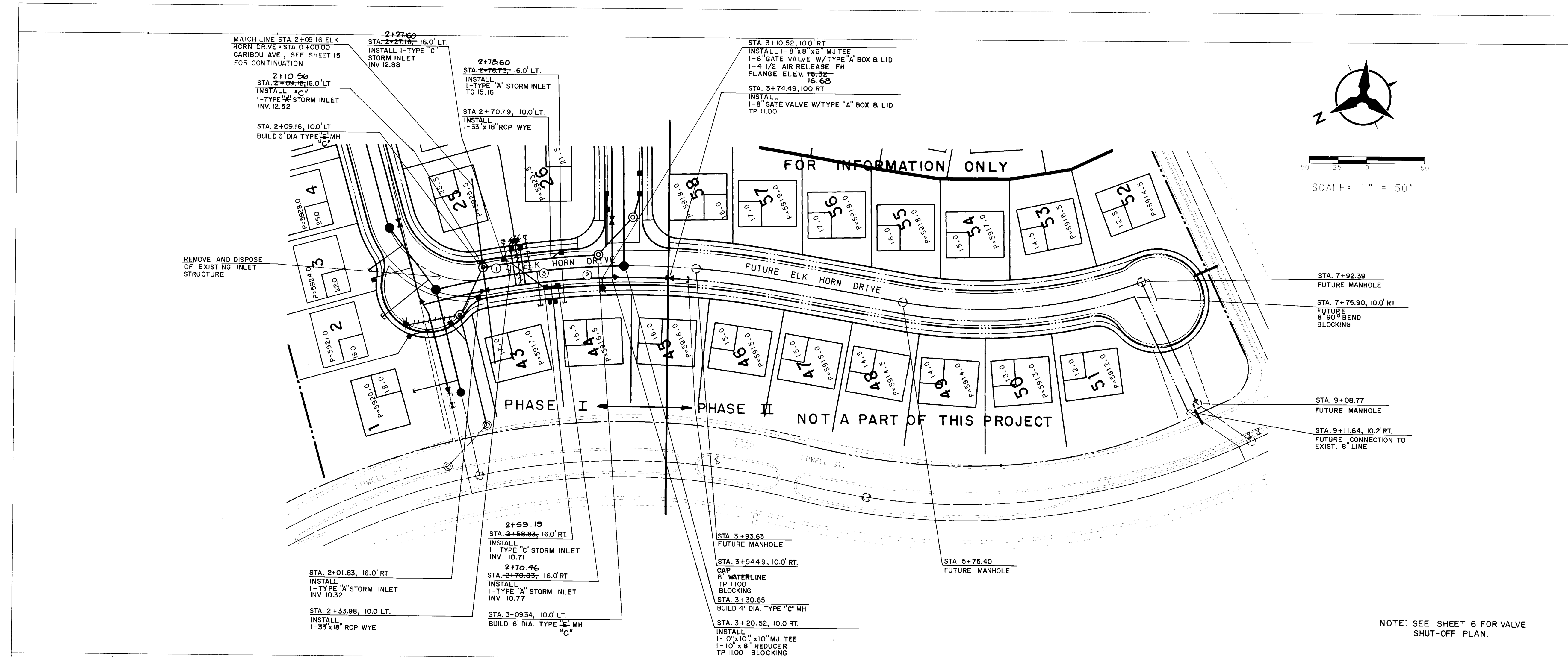
DRAWING NO. 3749

MAP NO. E-22

SHEET 13 OF 18







WATER & SEWER SERVICES					
LOT	WL STATION	WL TYPE	SAS STATION	SAS LENGTH	INV. AT PLUG
1	1+33.60	SINGLE	0+85.35	39'	11.01
25	2+35.00	SINGLE	2+30.41	30'	9.29
26	2+40.41	DOUBLE	2+49.73	30'	9.40
43	2+66.83	DOUBLE	2+56.83	30'	9.44
44			2+76.83	30'	9.55

* DENOTES RISER NEEDED

NOTE: SAS SERVICES TO LOTS 25 & 26 WERE INSTALLED ON CARIBOU AND IMEX STREETS RESPECTIVELY. (SEE SHEET 14 & 15 FOR ASBUILT INFORMATION)

SD CURVE DATA

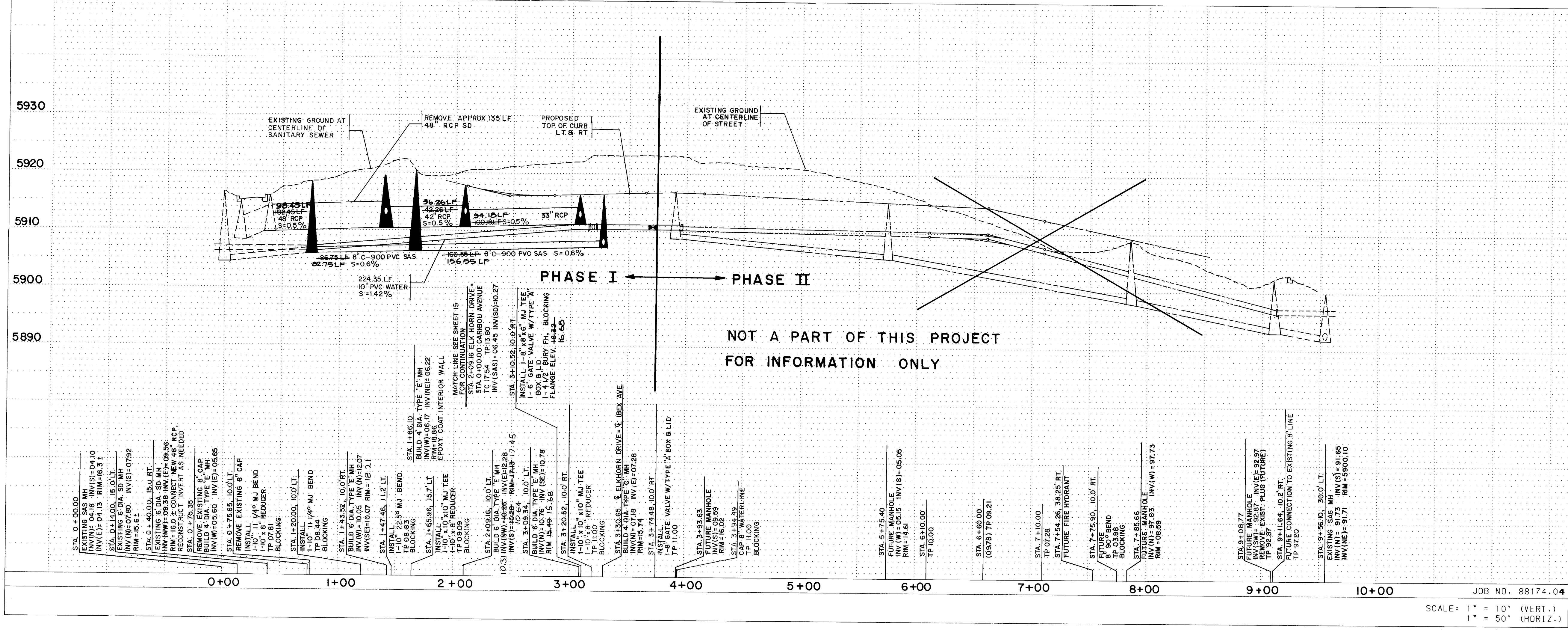
① 2+09.16, 10.0' LT TO 3+09.34, 10.0' RT
Δ -8° 12' 00"
D 8° 04' 12"
T 50.89'
L 101.61'
R 710.00'

WL CURVE DATA

② 1+55.96, 13.7' LT TO 3+79.56, 10.0' RT
Δ -18° 36' 28"
D 8° 18' 14"
T 113.04'
L 224.09'
R 690.00'

SAS CURVE DATA

③ 1+66.10 TO 3+30.65
Δ 13° 28' 08"
D 8° 11' 06"
T 82.66'
L 164.55'
R 700.00'



ENGINEER'S SEAL

RECORD DRAWINGS
DATE 10/20/89

LEGEND

- EXIST. CURB & GUTTER
- EXIST. STORM DRAIN
- EXIST. WATER LINE
- EXIST. SAS MANHOLE
- EXIST. S.D. MANHOLE
- EXIST. CONTOUR
- EXIST. FIRE HYDRANT
- EXIST. CAP
- EXIST. GATE VALVE
- EROSION CONTROL BERM
- BASIN BOUNDARY
- LOT LINE
- PROPOSED CURB & GUTTER
- PROPOSED STORM DRAIN
- PROPOSED WATER LINE
- PROPOSED SAS MANHOLE
- PROPOSED S.D. MANHOLE
- PROPOSED CONTOUR
- PROPOSED FIRE HYDRANT
- PROPOSED CAP
- PROPOSED GATE VALVE
- PROPOSED WATER SERVICE
- PROPOSED RETAINING WALL
- PROJECT BOUNDARY

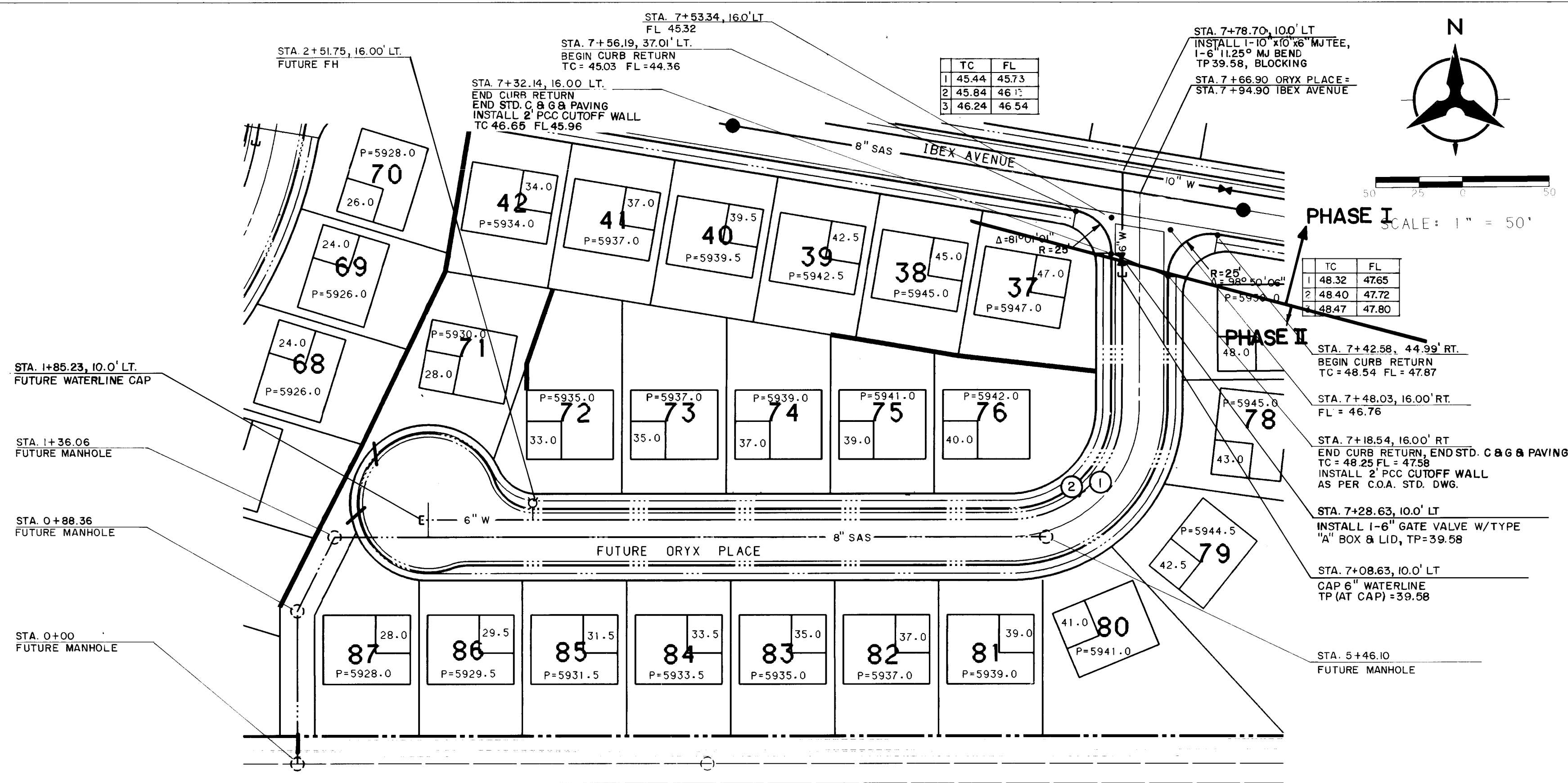
CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: ANTELOPE RUN SUBDIVISION
ELKHORN DRIVE UTILITY PLAN & PROFILE

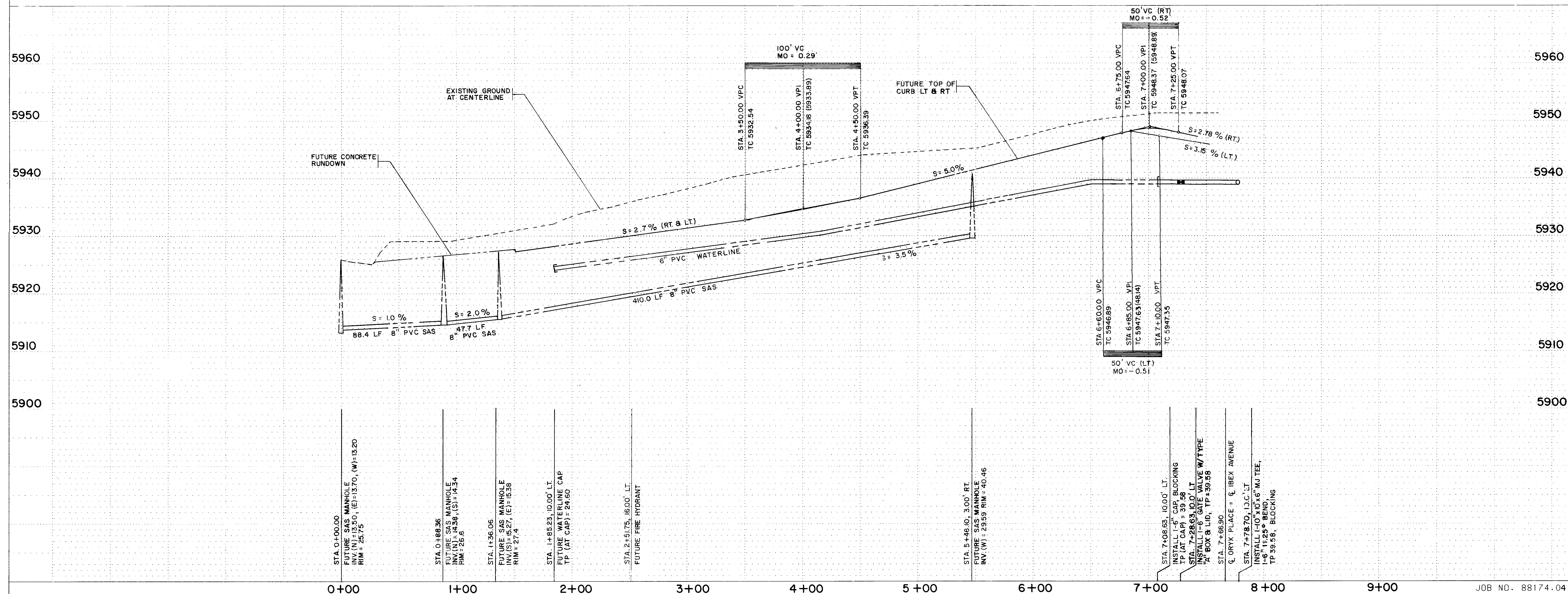
DRAWING NO. 3749

MAP NO. E-22

SHEET 16 OF 18



FOR INFORMATION ONLY, NOT PART OF THIS PROJECT



CURVE DATA

1	PC STA. 5+25.23
	PT STA. 6+41.04
	Δ = 90° 00' 00"
	D = 76° 23' 46"
	T = 75.00'
	L = 117.81'
	R = 15.00'

WATERLINE CURVE DATA

2	PC STA. 5+25.23
	PT STA. 6+41.04
	Δ = 90° 00' 00"
	D = 88° 08' 58"
	T = 65.00'
	L = 102.10'
	R = 65.00'

LEGEND

---	EXIST. CURB & GUTTER
---	EXIST. STORM DRAIN
---	EXIST. WATER LINE
---	EXIST. SAS MANHOLE
---	EXIST. S.D. MANHOLE
---	EXIST. CONTOUR
---	EXIST. FIRE HYDRANT
---	EXIST. CAP
---	EXIST. GATE VALVE
---	EROSION CONTROL BERM
---	LOT LINE
---	PROPOSED CURB & GUTTER
---	PROPOSED STORM DRAIN
---	PROPOSED WATER LINE
---	PROPOSED SAS MANHOLE
---	PROPOSED S.D. MANHOLE
---	PROPOSED CONTOUR
---	PROPOSED FIRE HYDRANT
---	PROPOSED CAP
---	PROPOSED GATE VALVE
---	PROPOSED WATER SERVICE
---	PROPOSED RETAINING WALL
---	PROJECT BOUNDARY

CITY OF ALBUQUERQUE
PUBLIC WORKS
ENGINEERING

TITLE: ANTELOPE RUN SUBDIVISION
ORYX PLACE PLAN & PROFILE

APPROVALS

ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		Liquid Waste		
ACE - Design		FOR INFORMATION ONLY		
ACE - Hydrology		Water		

DRAWING NO. 3749

MAP NO. E-22

SHEET 17 OF 18

JOB NO. 88174.04

SCALE: 1" = 10' (VERT.)
1" = 50' (HORIZ.)

C6817401.PAD/ORYX.PLT

GENERAL NOTES

- Retaining wall footings shall be placed on a minimum of 2'-0" of engineered fill extending a minimum of 2'-0" from the edge of the footing and compacted to a minimum of 95% optimum density (ASTM D-1557). Backfill shall be free draining material and shall be placed in 8" loose lifts and compacted to 90% optimum density (ASTM D-1557) with light vibratory compaction equipment.
- Retaining wall shall not be back-filled until at least 7 days after placing of final grout level, where heavy equipment is used in back-filling walls designed to resist earth pressure only, such equipment should not approach closer to the top of the wall than a distance equal to the height of the wall. Care should be taken to avoid exerting large impact forces on the wall as could be caused by a large mass of moving earth.
- Slopes up away from walls should not exceed 3:1.
- Vertical control joints with PVC inserts shall be placed at intervals not to exceed 30'-0" on center. Plasters may be substituted for control joints when placed at 12'-0" intervals. Discontinue durowall each side of plasters.
- Minimum lap splice on reinforcing bars shall be 30 bar diameters or 1'-6" minimum. Reinforcement of a site and spacing other than that given in the tables may be used providing such other reinforcement furnishes an area of steel area at least equal to that given in the table.
- Construction of retaining walls shall conform to requirements of the Uniform Building Code Section 24, Lowlift grouting methods.
- Omission of a vertical mortar joint on first course at 48" O.C. may be substituted for PVC weep holes, while slump block with a minimum compressive strength of 1500 psi may be substituted for standard CMU Grade N.
- DESIGN DATA:
Block weight 12" = 130 pcf.
Block weight 8" = 85 pcf.
Soil weight = 131 pcf.
Equiv. Fluid Pressure = 43 pcf.
Soil Bearing Pressure = 1500 pcf.
1/3 Increase for wind/seismic.
Coefficient of Friction = 0.4
Passive Soil Pressure = 320 pcf.
Concrete f'c (28 days) = 3000 pcf.
Grout Strength = 2000 pcf.
CMU Grade N = 1500 psi (grouted).
Reinforcement = 60 psi ASTM A-615.

AS-BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL

REVISIONS

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