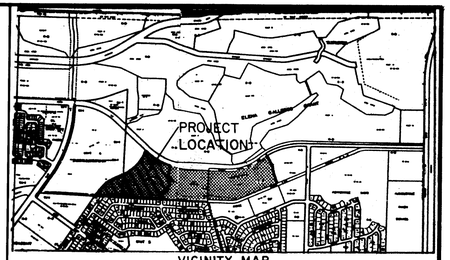
CONSTRUCTION PLANS
FOR
ACADEMY RIDGE EAST
PHASE I
ALBUQUERQUE, NEW MEXICO

NO.	DESCRIPTION
1	TITLE SHEET
2-6	PLAT
7	PAVING LAYOUT
8	WATER DISTRIBUTION PLAN
9	SANITARY SEWER LAYOUT
10-11	GRADING PLAN
12	RETAINING WALL & DRAINAGE DETAILS
13	CARRUTHERS STREET
14	MALAGUENA LANE
15	MALAGUENA LANE - ACADEMY RIDGE COURT
16	ACADEMY RIDGE ROAD
17	PUBLIC DRAINAGE & ACCESS RIGHT-OF-WAY
18	MISCELLANEOUS DETAILS
19	PROSPECTOR'S POINT ALLEYWAY



E21 & E22 VICINITY MAP NOT TO SCALE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION."
2. 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 85-1" AND THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1979 EDITION.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. 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.

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

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
W. J. McNamara
DATE 1-20-86

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
3	1 - 19	As - Builts	12/85	Bill Wuttke & Assoc.	11/7/86		
2	1 - 19	C. D. Hayward	9/9/85	ACE-D A. D. Olson	9/25/85	Required Restrictions for Solar Control Ahd Sketch on file	
1	1 - 18	A. D. Olson See Sht 20S	7/23/85	ACE-D A. D. Olson	8/5/85	Changed restrictions from WPRS	

APPROVAL OF REVISIONS

Bruce Barnett 5-23-85

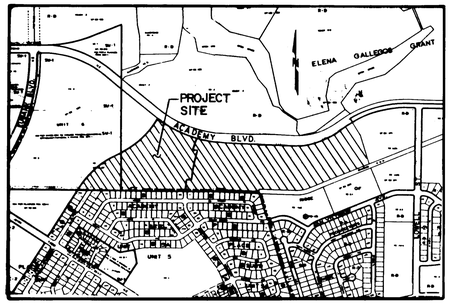
BOHANNAN · HUSTON INC.
ALBUQUERQUE · SANTA FE · EL PASO
ENGINEERS PLANNERS PHOTOGRAMMETRISTS

APPROVED FOR CONSTRUCTION
C. D. Hayward 6/28/85 C.E.

PROJECT NUMBER
2289

SHEET 1 OF 19

C28-132-1



LOCATION MAP
Zone Atlas Map No E-21-Z & E-22-Z

NOTES

1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Record Bearings and distances are shown in parenthesis.

SUBDIVISION DATA

1. DRB Number S-84-23, DRB-84-212, V-84-41
2. Zone Atlas Index No. E-21 and E-22.
3. Gross Subdivision Acreage: 35.7731 Acres.
4. Total Number of Tracts Created: 128 Tracts.
5. Total Mileage of Full-Width Streets Created: 0.710 mile.
6. Plat was prepared from existing Plats of Record.

APPROVALS

PLAT NUMBER S-84-23

for PLANNING DIRECTOR	Richard Dineen	10-16-85 DATE
3a CITY ENGINEER	Fred J Luyani	10-15-85 DATE
3a A.M.A.F.C.A.	Fred J Luyani	10-15-85 DATE
TRAFFIC ENGINEER	Ronald Bohannan / Bohannan-Huston Inc.	6-3-85 DATE
CITY SURVEYOR	Robert C. Wheeler	05-30-85 DATE
PROPERTY MANAGEMENT	Ronnie Elwell RE 10-15-85	5-30-85 DATE
WATER RESOURCES DEPARTMENT	Jon E. Estsgaard JEE 10-15-85	6-4-85 DATE
PARKS & RECREATION DEPARTMENT	Mark Childs 10-15-85	6-4-85 DATE
PUBLIC SERVICE COMPANY OF NEW MEXICO	C.E. Langston HB 10-15-85	5-30-85 DATE
GAS COMPANY OF NEW MEXICO	Paula McAfee 10/15/85	5-30-85 DATE
MOUNTAIN BELL	Wayne Remaing WH 10/15/85	5-30-85 DATE

SUBDIVISION PLAT MAP FOR 85 36959

UNIT ONE
ACADEMY RIDGE EAST

WITHIN PROJECTED SECTIONS 27 and 28, T11N, R4E, N.M.P.M.

ALBUQUERQUE, NEW MEXICO
JANUARY 1985

DESCRIPTION

A certain tract of land situate within projected Sections 27 and 28, T11N, R4E, N.M.P.M., within the Elena Gallegos Grant, City of Albuquerque, Bernalillo County, New Mexico, comprising Tract B-1, LANDS OF AMHOME IV filed in the Office of the County Clerk of Bernalillo County, New Mexico on May 8, 1984 and being more particularly described by New Mexico State Plane Grid Bearings (Central Zone) and ground distances as follows:

BEGINNING at the southeast corner of the tract herein described, also being the southeast corner of said Tract B-1, whence the ACS Monument "HARRY", a brass tablet (having New Mexico State Plane Grid Coordinates, Central Zone: X = 423,375.12 and Y = 1,505,887.52) bears S30°57'31"E, 4223.92 feet and from said point of beginning running thence along the southerly boundary of said tract B-1,
N88°53'35"W, 2464.96 feet to the southwest corner of said tract B-1; thence,
N33°10'12"E, 300.00 feet to a point of curvature; thence,
379.26 feet along the arc of a curve to the right having a radius of 500.00 feet and a chord bearing N54°53'59"E, 370.23 feet to a point of reverse curvature; thence,
670.00 feet along the arc of a curve to the left having a radius of 1000.00 feet and a chord bearing N57°26'08"E, 657.54 feet to a point of non-tangency; thence,
N38°17'17"E, 166.85 feet to the northwest corner of said tract B-1 also being a point on curve on the southerly right-of-way of Academy Road N.E.; thence continuing along said right-of-way and the northerly boundary of said tract B-1,
962.80 feet along the arc of a curve to the left having a radius of 1485.40 feet and a chord bearing S70°19'27"E, 946.04 feet to a point of tangency; thence,
S88°53'35"E, 462.13 feet to the northeast corner of said Tract B-1; thence leaving said right-of-way and continuing along the easterly boundary of said Tract B-1,
S01°06'25"W, 669.17 feet to the point and place of beginning.

Tract contains 35.7731 acres, more or less.

State of New Mexico) SS
County of Bernalillo) was filed for record
on the 26 day of JUNE 85
A.D., at 8:45 A.M. Recorded in Vol C28
of the County Records of
Bernalillo County, Folio 132
Clerk & Recorder
Deputy Clerk

DEDICATION

The subdivision of the land hereon shown is with the 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 grant all easements shown hereon. Electrical Power and Communication easements are reserved for buried distribution lines, conduits and pipes for underground utilities where shown or indicated, including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shurbs. Future development of Tract A and Tract B will require additional PNM easements to serve future customers.

AMERIWEST CORPORATION

Allan L. Whitesel
Allan L. Whitesel
Vice President, AmeriWest Corporation

State of New Mexico)
SS
County of Bernalillo)

The foregoing instrument was acknowledged before me this 30th day of May, 1985, by Allan L. Whitesel, Vice President, AmeriWest Corporation, a New Mexico Corporation on behalf of said Company.

My Commission Expires: 10-11-88
Lisa K. Cannell
Notary Public

10-11-88

SURVEYOR'S CERTIFICATION

I, A. Dwain 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. Dwain Weaver
A. Dwain Weaver
N.M.P.L.S. No. 6544

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

A. DWAIN WEAVER NEW MEXICO 6544 REGISTERED PROFESSIONAL LAND SURVEYOR

State of New Mexico)
SS
County of Bernalillo)

The foregoing instrument was acknowledged before me this 5th day of February, 1985, by A. Dwain Weaver.

Dwain Weaver
Notary Public
4/29/86

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

Job No 41448

SHEET 1 OF 5 SHEETS

C28-132

PROJECT NUMBER 2289

SHEET NUMBER

C28-132-2

85 80950

SUBDIVISION PLAT MAP FOR
UNIT ONE
ACADEMY RIDGE EAST

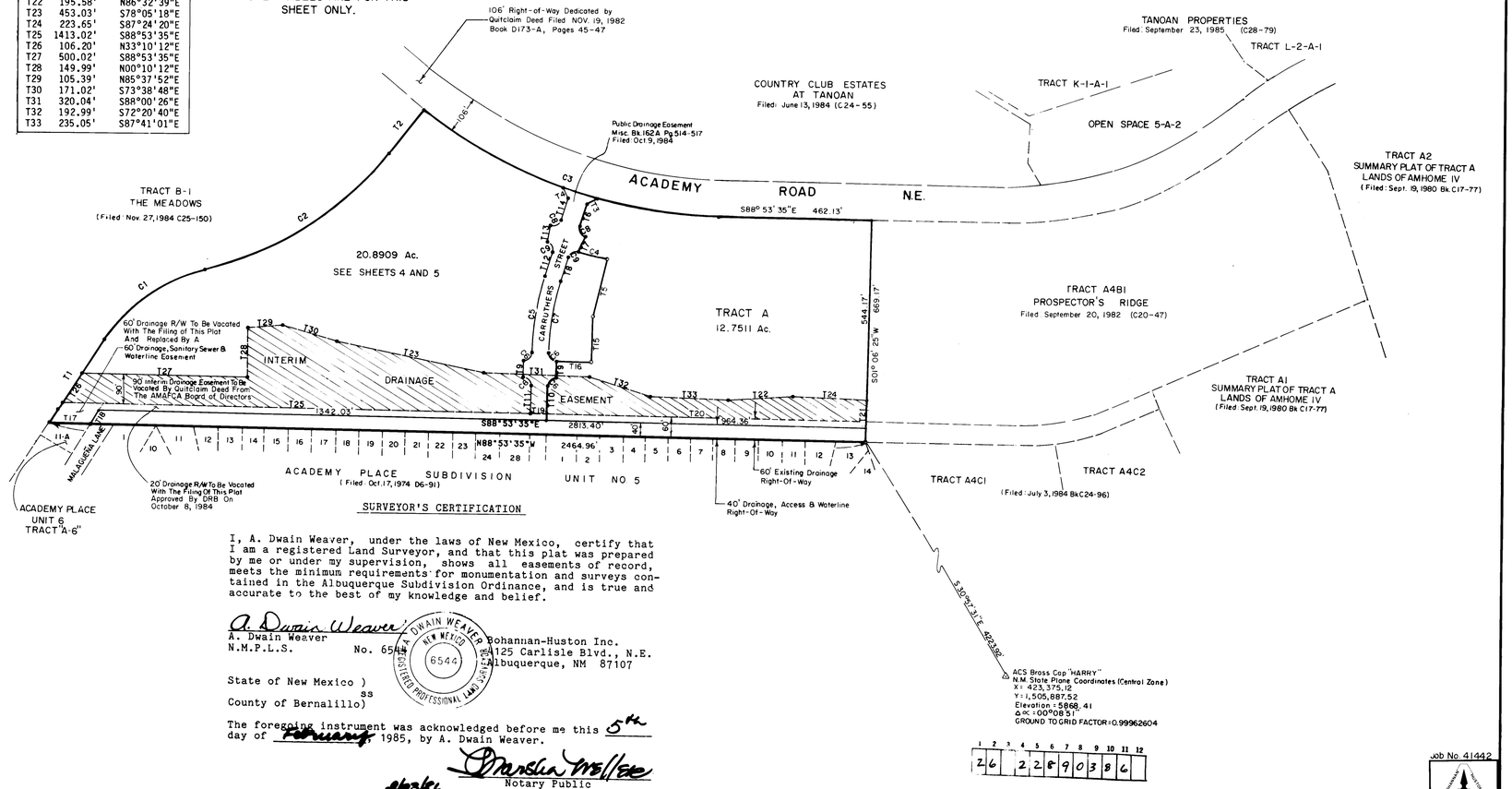
WITHIN PROJECTED SECTIONS 27 and 28, T11N, R4E, N.M.P.M

ALBUQUERQUE, NEW MEXICO
JANUARY 1985

TANGENT TABLE		
NR.	DISTANCE	BEARING
T1	300.00'	N33°10'12"E
T2	166.85'	N38°17'17"E
T3	34.69'	S61°27'06"W
T4	34.72'	N26°27'41"W
T5	179.08'	N14°05'57"E
T6	69.70'	S17°31'15"W
T7	50.67'	S25°01'14"W
T8	76.15'	S17°31'15"W
T9	50.00'	N01°06'25"E
T10	105.00'	S01°06'25"W
T11	85.00'	N01°06'25"E
T12	76.15'	N17°31'15"E
T13	50.67'	N10°01'16"E
T14	70.04'	N17°31'15"E
T15	139.00'	N01°06'25"E
T16	103.00'	S88°53'35"E
T17	129.80'	N88°53'35"W
T18	49.27'	S36°50'01"W
T19	50.00'	N88°53'35"W
T20	964.36'	N88°53'35"W
T21	85.00'	N01°06'25"E
T22	195.58'	N86°32'39"E
T23	453.03'	S78°05'18"E
T24	223.65'	S87°24'20"E
T25	1413.02'	S88°53'35"E
T26	106.20'	N33°10'12"E
T27	500.02'	S88°53'35"E
T28	149.99'	N00°10'12"E
T29	105.39'	N85°37'52"E
T30	171.02'	S73°38'48"E
T31	320.04'	S88°00'26"E
T32	192.99'	S72°20'40"E
T33	235.05'	S87°41'01"E

CURVE TABLE					
NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	500.00'	379.26'	370.23'	43°27'34"	199.27'
C2	1000.00'	670.00'	657.54'	38°23'17"	348.12'
C3	1485.40'	962.80'	946.04'	37°08'16"	499.00'
C4	1655.40'	87.25'	87.24'	03°01'12"	43.63'
C5	822.36'	235.59'	234.78'	16°24'50"	118.61'
C6	25.00'	39.27'	35.36'	90°00'00"	25.00'
C7	772.36'	221.26'	220.51'	16°24'50"	111.39'
C8	25.00'	40.14'	35.97'	91°59'40"	25.89'
C9	25.00'	38.53'	34.83'	88°17'42"	24.27'

NOTE: TABLES ARE FOR THIS SHEET ONLY.



C28
132

N

100 0 100 200 400
SCALE: 1"=200'

SURVEYOR'S CERTIFICATION

I, A. Dwain 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. Dwain Weaver
A. Dwain Weaver
N.M.P.L.S. No. 6544

A. DWAIN WEAVER NEW MEXICO 6544 REGISTERED PROFESSIONAL LAND SURVEYOR

Bohannan-Huston Inc.
7125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 5th day of February 1985, by A. Dwain Weaver.

Notary Public

My commission expires: 4/23/86

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

Job No. 41442

SHEET 2 OF 5 SHEETS

C28-132-2

PROJECT NUMBER 2289 SHEET 3 OF 19

C28-132-3

85 88850

SUBDIVISION PLAT MAP FOR

UNIT ONE
ACADEMY RIDGE EAST

WITHIN PROJECTED SECTIONS 27 and 28, T11N, R4E, N.M.P.M.

ALBUQUERQUE, NEW MEXICO
JANUARY 1985

TABLES FOR SHEETS 4 AND 5 ONLY

CURVE TABLE

NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	1000.00'	157.01'	156.85'	08°59'46"	78.67'
C2	1485.40'	592.71'	588.78'	22°51'44"	300.36'
C3	1132.05'	140.09'	140.00'	07°05'25"	70.13'
C4	100.00'	138.33'	127.56'	79°15'21"	82.81'
C5	1630.40'	367.02'	366.25'	12°53'52"	184.29'
C6	797.36'	228.42'	227.64'	16°24'50"	115.00'
C7	25.00'	38.34'	34.69'	87°51'43"	24.08'
C8	25.00'	40.14'	35.97'	91°58'46"	25.89'
C9	25.00'	38.53'	34.83'	88°17'42"	24.27'
C10	25.00'	39.27'	35.36'	90°00'00"	25.00'
C11	25.00'	24.39'	23.43'	55°53'41"	13.26'
C12	1485.40'	54.08'	54.08'	02°05'10"	27.04'
C13	1000.00'	40.00'	40.00'	02°17'31"	20.00'
C14	1107.05'	44.53'	44.53'	02°18'17"	22.27'
C15	1107.05'	44.53'	44.53'	02°18'18"	22.27'
C16	125.00'	13.68'	13.68'	06°16'32"	6.85'
C17	1107.05'	30.88'	30.88'	01°35'55"	15.44'
C18	1000.00'	37.00'	37.00'	02°07'12"	18.50'
C19	25.00'	21.46'	20.81'	49°10'38"	11.44'
C20	425.00'	24.43'	24.39'	11°11'57"	12.28'
C21	45.00'	39.23'	38.00'	49°57'00"	20.96'
C22	25.00'	2.93'	2.93'	06°43'03"	1.47'
C23	1485.40'	78.76'	78.76'	03°02'17"	39.39'
C24	45.00'	44.81'	42.99'	57°03'32"	24.46'
C25	1485.40'	89.61'	89.60'	03°27'24"	44.82'
C26	45.00'	43.70'	42.00'	55°38'11"	23.74'
C27	1485.40'	40.08'	40.08'	01°32'37"	20.01'
C28	1605.40'	4.81'	4.81'	00°08'53"	2.31'
C29	125.00'	14.25'	14.24'	06°31'51"	7.13'
C30	45.00'	3.45'	3.45'	04°23'41"	1.73'
C31	1605.40'	43.23'	43.23'	01°32'35"	21.62'
C32	1485.40'	36.01'	36.00'	01°23'20"	18.00'
C33	1605.40'	41.50'	41.50'	01°28'52"	20.75'
C34	1157.05'	40.00'	40.00'	01°58'51"	20.00'
C35	1157.05'	40.01'	40.00'	01°58'52"	20.01'
C36	1157.05'	59.36'	59.35'	02°56'58"	29.79'
C37	75.00'	13.54'	13.52'	10°38'45"	6.99'
C38	1157.05'	80.49'	80.47'	02°59'44"	40.25'
C39	75.00'	86.38'	81.68'	65°59'13"	48.69'
C40	75.00'	3.43'	3.43'	02°37'23"	1.72'
C41	1655.40'	67.32'	67.32'	02° 9'48"	33.67'
C42	1655.40'	44.20'	44.20'	01°31'48"	22.10'
C43	1655.40'	42.96'	42.96'	01°29'13"	21.48'
C44	1655.40'	40.00'	40.00'	01°23'04"	20.00'
C45	1655.40'	88.80'	88.89'	03°04'37"	44.46'
C46	822.36'	7.00'	7.00'	00°29'16"	3.50'
C47	822.36'	48.01'	48.00'	03°20'41"	24.01'
C48	822.36'	36.96'	36.96'	02°32'50"	18.28'
C49	25.00'	1.45'	1.45'	03°19'55"	.73'
C50	25.00'	29.82'	28.09'	68°21'01"	16.97'
C51	45.00'	35.57'	34.66'	45°17'40"	18.78'
C52	45.00'	47.23'	45.09'	60°08'12"	26.05'
C53	45.00'	30.00'	29.45'	38°11'50"	15.58'
C54	45.00'	33.17'	32.43'	42°14'12"	17.38'
C55	45.00'	21.69'	21.48'	27°37'12"	11.06'
C56	1655.40'	87.25'	87.24'	03°01'12"	43.64'
C57	772.36'	54.34'	54.33'	04°01'51"	27.18'
C58	772.36'	54.01'	54.00'	04°00'24"	27.02'
C59	772.36'	54.59'	54.58'	04°03'00"	27.31'
C60	772.36'	47.88'	47.88'	03°33'08"	23.95'

CURVE TABLE

NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C61	500.00'	379.26'	370.23'	43°27'34"	199.27'
C62	1000.00'	512.99'	507.38'	29°23'31"	262.27'
C63	839.67'	407.02'	403.05'	27°46'24"	207.59'
C64	839.67'	82.30'	82.27'	05°36'58"	41.18'
C65	839.67'	489.32'	482.43'	33°23'22"	251.83'
C66	1132.05'	361.70'	360.18'	18°18'23"	182.40'
C67	117.97'	94.98'	92.07'	45°56'17"	50.00'
C68	864.67'	16.82'	16.82'	01°06'53"	8.41'
C69	864.67'	42.00'	42.00'	02°47'00"	21.01'
C70	300.00'	38.05'	38.04'	04°21'37"	19.03'
C71	864.67'	40.00'	40.00'	02°39'03"	20.01'
C72	300.00'	46.85'	46.83'	05°22'06"	23.44'
C73	300.00'	46.84'	46.83'	05°22'04"	23.44'
C74	300.00'	46.84'	46.82'	05°22'03"	23.44'
C75	300.00'	46.86'	46.84'	05°22'09"	23.45'
C76	300.00'	13.28'	13.28'	01°31'20"	6.64'
C77	1000.00'	32.48'	32.47'	01°51'38"	16.24'
C78	864.67'	34.00'	34.00'	02°15'11"	17.00'
C79	1000.00'	40.31'	40.31'	02°18'34"	20.16'
C80	1000.00'	40.14'	40.14'	02°18'00"	20.07'
C81	1000.00'	40.04'	40.04'	02°17'39"	20.02'
C82	1000.00'	40.00'	40.00'	02°17'31"	20.00'
C83	1107.05'	14.68'	14.68'	00°45'37"	7.33'
C84	1107.05'	44.48'	44.48'	02°18'08"	22.25'
C85	1107.05'	44.48'	44.48'	02°18'10"	22.25'
C86	1107.05'	44.50'	44.50'	02°18'11"	22.25'
C87	1107.05'	44.51'	44.50'	02°18'12"	22.26'
C88	1107.05'	44.51'	44.51'	02°18'13"	22.26'
C89	1107.05'	44.52'	44.51'	02°18'14"	22.26'
C90	1107.05'	44.52'	44.52'	02°18'15"	22.26'
C91	1107.05'	44.53'	44.52'	02°18'16"	22.27'
C92	92.97'	73.85'	71.82'	45°30'41"	39.00'
C93	25.00'	47.38'	40.60'	108°35'09"	34.78'
C94	814.67'	13.20'	13.20'	00°55'43"	6.60'
C95	92.97'	.68'	.68'	00°25'36"	.35'
C96	1157.05'	32.80'	32.79'	01°37'26"	16.40'
C97	1157.05'	40.00'	40.00'	01°58'51"	20.00'
C98	814.67'	63.31'	63.29'	04°27'08"	31.67'
C99	814.67'	40.08'	40.08'	02°49'08"	20.04'
C100	814.67'	40.25'	40.25'	02°49'51"	20.13'
C101	814.67'	40.52'	40.52'	02°51'00"	20.27'
C102	814.67'	40.90'	40.90'	02°52'36"	20.46'
C103	814.67'	41.50'	41.49'	02°55'06"	20.75'
C104	25.00'	34.44'	31.78'	78°55'30"	20.58'
C105	142.97'	8.00'	8.00'	03°12'22"	4.00'
C106	142.97'	37.21'	37.10'	14°54'42"	18.71'
C107	142.97'	37.21'	37.11'	14°54'43"	18.71'
C108	142.97'	32.21'	32.14'	12°54'30"	16.17'
C109	100.00'	78.71'	76.70'	45°06'00"	41.52'
C110	100.00'	59.61'	58.74'	34°09'22"	30.72'
C111	25.00'	38.38'	34.72'	87°57'52"	24.13'
C112	1485.40'	40.02'	40.01'	01°32'37"	20.01'
C113	1485.40'	40.02'	40.01'	01°32'36"	20.01'
C114	1485.40'	54.12'	54.12'	02°05'16"	27.06'
C115	772.36'	10.44'	10.44'	00°46'20"	5.22'

TANGENT TABLE

NR.	DISTANCE	BEARING
T1	8.08'	N38°17'17"E
T2	28.49'	S15°23'17"W
T3	58.40'	S15°23'17"W
T4	55.36'	S15°23'17"W
T5	44.03'	S48°59'03"W
T6	40.00'	S48°59'03"W
T7	34.30'	S48°59'03"W
T8	21.48'	N67°06'28"W
T9	22.00'	S48°59'03"W
T10	31.61'	N67°06'28"W
T11	40.00'	N67°06'28"W
T12	42.06'	N67°06'28"W
T13	51.94'	N67°06'28"W
T14	2.97'	N12°21'18"E
T15	54.57'	N12°27'23"E
T16	54.43'	N12°18'34"E
T17	54.65'	N12°18'34"E
T18	11.31'	N12°18'34"E
T19	28.00'	S88°53'35"E
T20	45.87'	N12°18'34"E
T21	45.85'	N12°13'03"E
T22	17.24'	S12°27'23"W
T23	28.65'	S12°27'23"W
T24	120.00'	S67°06'28"E
T25	37.33'	S12°27'23"W
T26	38.00'	N48°59'03"E
T27	107.09'	S67°06'28"E
T28	110.00'	N48°59'03"E
T29	20.00'	S01°06'25"W
T30	49.37'	N15°23'17"E
T31	32.32'	N48°59'03"E
T32	46.43'	N15°23'17"E
T33	5.02'	N83°50'52"W
T34	10.44'	N17°08'01"E
T35	32.00'	N33°10'12"E
T36	10.00'	S88°53'35"E
T37	8.78'	N33°10'12"E
T38	6.06'	S66°33'34"W
T39	40.07'	S63°11'39"W
T40	8.00'	N66°13'34"E
T41	44.00'	S63°11'39"W
T42	43.82'	S63°11'39"W
T43	43.92'	S81°57'51"W
T44	54.95'	N83°50'52"W
T45	57.81'	N83°50'52"W
T46	5.02'	S83°50'52"E
T47	32.15'	N83°50'52"W
T48	127.88'	S63°11'39"W
T49	40.18'	S83°50'52"E
T50	25.00'	N61°57'51"E
T51	19.53'	S83°50'52"E
T52	18.80'	N61°57'51"E
T53	10.00'	S41°43'40"W
T54	5.00'	S88°53'35"E
T55	149.99'	N00°10'12"E
T56	105.34'	N85°37'52"E
T57	171.0'	S73°38'48"E
T58	130.48'	S78°05'18"E
T59	25.00'	N03°44'15"W
T60	34.72'	S26°27'41"E
T61	34.69'	S61°27'06"W

SURVEYOR'S CERTIFICATION

I, A. Dwain 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. Dwain Weaver
A. Dwain Weaver
N.M.P.L.S. No. 6544

DWAIN WEAVER NEW MEXICO 6544 REGISTERED PROFESSIONAL LAND SURVEYOR

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

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 5th day of February, 1985, by A. Dwain Weaver.

Notary Public

2/23/86

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

Job No. 41442

SHEET 3 OF 5 SHEETS

C28-132-3

2289 4 19

C28-132-4

SUBDIVISION PLAT MAP FOR 85 34950

UNIT ONE
ACADEMY RIDGE EAST

WITHIN PROJECTED SECTIONS 27 and 28, T11N, R4E, N.M.P.M.

ALBUQUERQUE, NEW MEXICO
JANUARY 1985 SCALE: 1" = 50'

C28
132

SURVEYOR'S CERTIFICATION

I, A. Dwain 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. Dwain Weaver
A. Dwain Weaver
N.M.P.L.S. No. 6544

Johannan-Huston Inc.
8125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

NEW MEXICO 6544 REGISTERED PROFESSIONAL LAND SURVEYOR

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 5th day of February, 1985, by A. Dwain Weaver.

Notary Public

2/25/86

N

0 25 50 0 100
SCALE: 1"=50'

5' Private Drainage Easement
7' Utility Easement
20' Drainage Easement To Be Vacated With The Filing of This Plat
90' Interim Drainage Easement To Be Vacated When The Directives Of AMAFCA Resolution 1984-5 are met.
60' DRAINAGE, SANITARY SEWER & WATERLINE EASEMENT
40' DRAINAGE, ACCESS & WATERLINE RIGHT-OF-WAY

MALAGUEÑA LANE
ACADEMY RIDGE ROAD

BLOCK A
BLOCK B
BLOCK C

1 0.2088 AC.
2 0.1359 AC.
3 0.1304 AC.
4 0.1325 AC.
5 0.1356 AC.
6 0.1444 AC.
7 0.1469 AC.
8 0.1459 AC.
9 0.1446 AC.
10 0.1399 AC.
11 0.1329 AC.
12 0.1260 AC.
13 0.1088 AC.
14 0.1060 AC.
15 0.1037 AC.
16 0.1051 AC.
17 0.1094 AC.
18 0.1089 AC.
19 0.1089 AC.
20 0.1092 AC.
21 0.1093 AC.
22 0.1093 AC.
23 0.1096 AC.
24 0.1097 AC.
1 0.1941 AC.
2 0.1210 AC.
3 0.1178 AC.
4 0.1128 AC.
5 0.1059 AC.
6 0.1300 AC.
7 0.2311 AC.
8 0.1973 AC.
9 0.1803 AC.
10 0.1194 AC.
11 0.1194 AC.
12 0.1194 AC.
13 0.1194 AC.
14 0.1194 AC.
15 0.1194 AC.
16 0.1194 AC.
17 0.1194 AC.
18 0.1194 AC.
1 0.1301 AC.
2 0.1224 AC.
3 0.1392 AC.
4 0.1045 AC.
5 0.1089 AC.
6 0.1060 AC.
7 0.1057 AC.
8 0.1020 AC.
9 0.1052 AC.
10 0.1876 AC.
46 0.1030 AC.
47 0.1063 AC.
48 0.1095 AC.
49 0.1176 AC.
50 0.2117 AC.

SHEET 5 OF 5 SHEETS - SEE MATCH LINE

Job No. 41442

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

SHEET 4 OF 5 SHEETS

C28-132-4

PROJECT NUMBER 2289 SHEET 5 OF 19

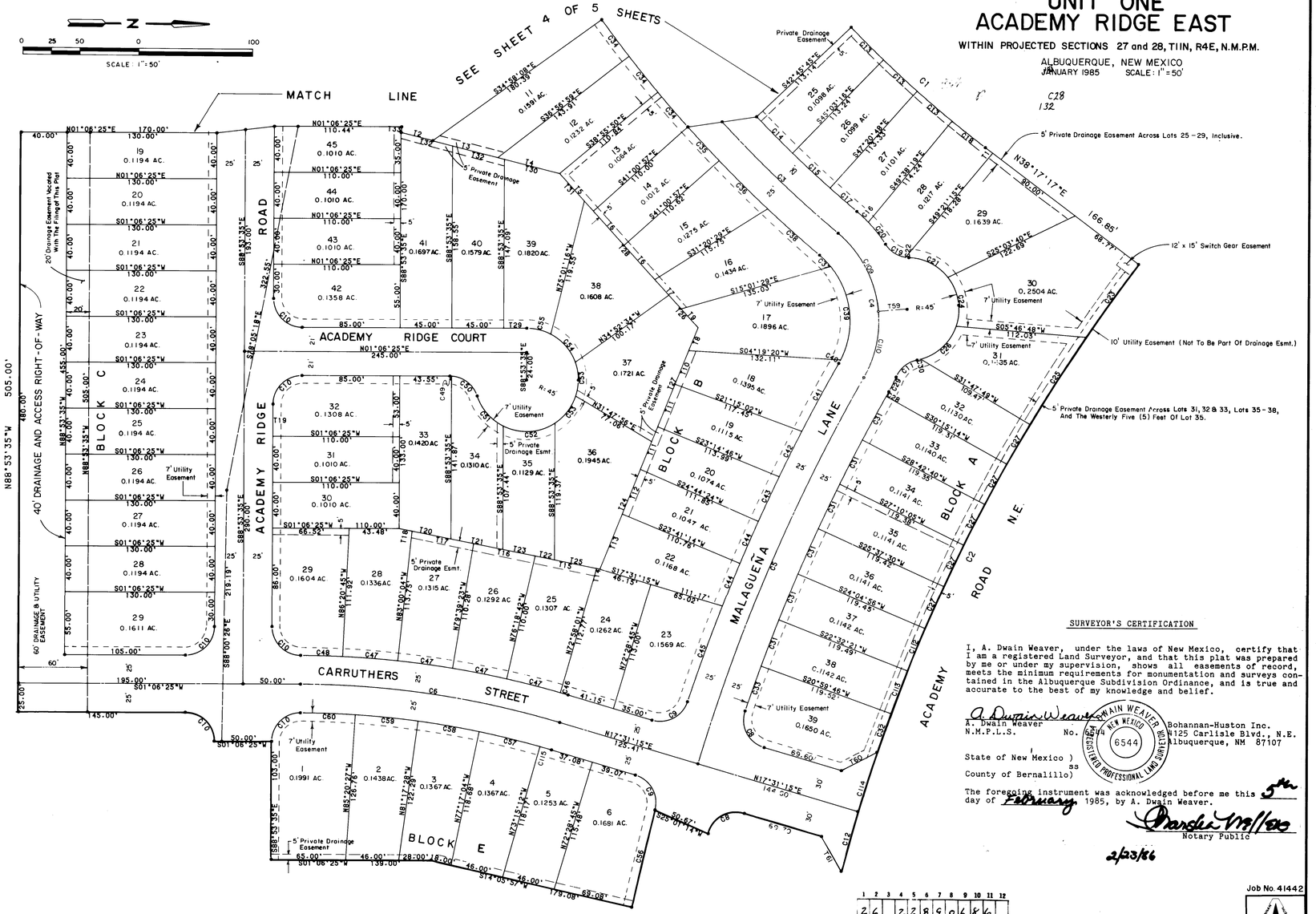
C28-132-5

SUBDIVISION PLAT MAP FOR
UNIT ONE
ACADEMY RIDGE EAST

WITHIN PROJECTED SECTIONS 27 and 28, T11N, R4E, N.M.P.M.

ALBUQUERQUE, NEW MEXICO

JANUARY 1985 SCALE: 1" = 50'



SURVEYOR'S CERTIFICATION

I, A. Dwain 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. Dwain Weaver
A. Dwain Weaver
N.M.P.L.S. No. 6544

DWAIN WEAVER — NEW MEXICO — 6544 — REGISTERED PROFESSIONAL LAND SURVEYOR

Bohannan-Huston Inc.
7125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 5th day of February, 1985, by A. Dwain Weaver.

Notary Public

2/23/86

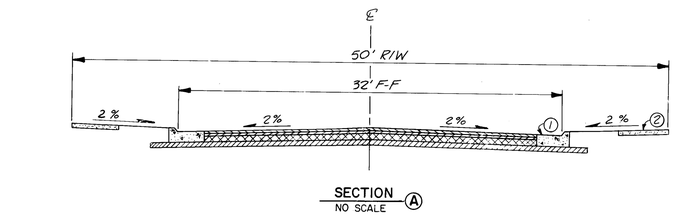
Job No. 41442

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

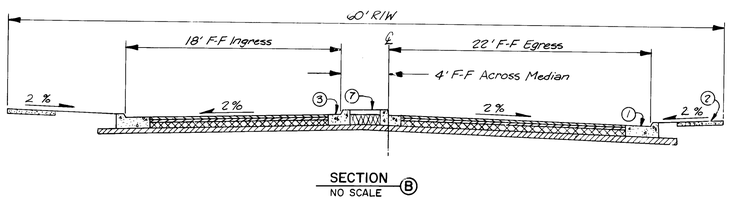
SHEET 5 OF 5 SHEETS

C28-132-5

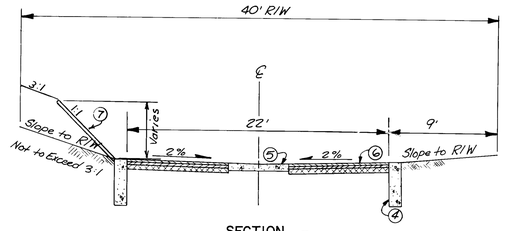
PROJECT NUMBER 2289 SHEET 6 OF 19



SECTION (A)
NO SCALE



SECTION (B)
NO SCALE



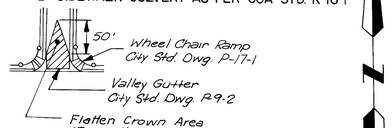
SECTION (C)
NO SCALE

NOTES:

1. Standard 8" Barrier Curb & Gutter
2. 4' Sidewalk, 4" Thick (Typ.)
3. Standard 6" Median Curb & Gutter
4. 6"x 18" P.C.C. Header Curb
5. Standard Alley Gutter
6. All Streets & Alleys Use Standard Residential Pavement Section
7. 4" thick Patterned Concrete, 4"x8" Running Bond Brick Baja Red Davis 160 or Engineer Approved Equal. See City of Albuq. Public Works Contract, Section 346 for Specifications.

LEGEND

- PROPOSED MANHOLE
- PROPOSED WATER VALVE
- EXISTING MANHOLE
- EXISTING WATER VALVE
- EXISTING STORM DRAIN MANHOLE
- SIDEWALK CULVERT AS PER COA STD. K-16-1



- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLET

SCALE: 1"=100'

NOTES:

1.) All Curb Return Radii Shall Be 25' Unless Otherwise Specified.

2.) Shaded Sidewalks and Only Wheel Chair Ramps to be Constructed Under Project 2289. Unshaded Sidewalks are not a Part of This Work Order.

3.) All Phases of This Project are to be Coordinated With SAD-205.

4.) The Contractor is to Field Verify All Existing Utility Locations and Notify the Engineer Immediately of any Discrepancies.

Build Concrete Cutoff Wall as per C.O.A. Std P-8-3 Place 2 - Type III Barricade @ end of pavement

Sta. 5+78.83 25' Rt. Carruthers St. Build 6' Dia. Type "E" MH Install 16 LF 18" RCP Rt 40 LF 18" RCP Lt Place Sandbags @ end of pipes to plug.

Sta. 1485.00, 25' Rt Carruthers St Build 6' Dia. Type "E" MH Install 24 LF 18" RCP Rt 35 LF 18" RCP Lt Place Sandbags at end of pipes to plug.

Build Concrete Cutoff Wall as per C.O.A. Std. P-8-3 Place 2 - Type III Barricade at end of pavement.

Sta. 0+56.33 Carruthers St. Build Type "A" Inlets Lt & Rt Inv = 5764.60 Lt & Rt TC = 5772.96 Install 8 LF 8" RCP Lt & Rt to connect to existing S.D. wyes

Sta. 40+05.00 & Drainage R/W Build Type "Double D" Inlet Inv. = 5765.00 Install 6 LF 24" RCP Field Connect at 45° to existing 54" Storm Sewer

PAVEMENT SECTION
NO SCALE

Note:
This existing storm sewer inlet with associated training dike and desiltation basin shall not be altered or destroyed, nor shall any paving be completed until all proposed storm sewer improvements are completed and functioning on Malaguena Lane.

NOTE:
SEE SHEET 18 OF 18 FOR STORM DRAINAGE DETAILS

Z-G 2-2289-07-86

BRUNING 44-132-R23K

AS BUILT INFORMATION
CONTRACTOR KAC Inc. DATE 12/85
STAKED BY Kac Inc. DATE 12/85
INSPECTED BY John Lowell DATE 12/85
FIELD CHANGES BY Jeff Weed DATE 12/85
CERTIFICATION BY Jeff Weed DATE 12/85
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
ACS Brass Cap "16-E22" Elev. 5934.53
Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd, N.E.
Station is then 375' South on the South Rim of the Bear Canyon Tributary.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
Jan Jarrett 5-23-85

NO	DATE	REMARKS	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD
1	7/23/85	ADDED CURB & GUTTER	KLD

REVISIONS
DESIGNED BY KLD DATE 1/85
DRAWN BY JAJ DATE 2/85
CHECKED BY KLD DATE 5/85

WILLIAM L. PRIEBE 8131 12-31-85 REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWINGS
DATE 12/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
STREET PAVING LAYOUT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/21/85	Liquid Waste	William D. Priebe	5/23/85
A.C.E. - Design		6/17/85	Traffic	David W. Hanna	5/23/85
~~Dist~~ - Hydrology	N.A. S.A.A.	5/23/85	Water	William D. Priebe	5/23/85

DRAWING NO 2289 | MAP NO. E-21 | SHEET 7 OF 19

SCALE 1"=100'

Sta. 11+76.41, 10' Lt.
Install 8"-45° Bend
Blocking
Sta. 11+10, 10' Lt.
Install 8"-11¼° Bend
Blocking

Sta. 11+45, 10' Lt. Malaguena Lane
Install
1-8"x8"x6" Tee
10 L.F. 6" PVC, ~~DIP or A.C.~~
1-6" 90° Bend
1-Fire Hydrant, 4' Bury
Blocking

Sta. 11+30, 10' Lt.
Malaguena Lane
Install
1-8" Gate Valve w/Type "A" Box & Lid

Sta. 4+50 10' Lt Malaguena Lane
Install
1-8"x8"x8" Tee
1-8" 22½° Bend
1-8" Gate Valve w/Type "A" Box & Lid
Blocking
1-8" Cap

Sta. 13+35, 10' Lt.
Install
8"-22½° Bend
Blocking

Sta. 16+30, 10' Lt. Malaguena Ln.
Install
1-8"x8"x6" Tee
10 L.F. 6" PVC, ~~DIP~~ or A.C.
1-6" 90° Bend
1-Fire Hydrant, 4' Bury
Blocking

Sta. 7+15 10' Lt Carruthers Street
Remove
1-8" Cap & Blocking
Tie 8" PVC, ~~DIP~~ or A.C. W.L.
into existing 8" PVC Stub

STA. 6+95 INSTALL
1 — 8" CAP

Sta 16+71.75 10' Lt Malaguena Lane =
Sta. 6+08.83 10' Lt Carruthers Street
Install
1-8"x8" Cross
65 LF 8" PVC, ~~DIP~~ or A.C.
1-8" Gate Valve w/Type "A" Box & Lid
1-8" Cap
Blocking

Sta. 9+10, 10' Lt Academy Ridge Road
Install
1-8"x8"x6" Tee
10 LF 6" PVC, ~~DIP~~ or A.C.
1-6" 90° Bend
1-Fire Hydrant, 4' Bury
Blocking

Sta. 0+55, 10' Lt. Academy Ridge Rd.
Install
1-8" Gate Valve w/Type "A" Box & Lid
1-8"x8"x6" Tee
10 LF 6" PVC, ~~DIP~~ or A.C.
1-6" 90° Bend
1-Fire Hydrant, 4' Bury
Blocking

THIS WORK NOT INCLUDED
IN THIS WORK ORDER

Sta. 10+35.94 10' Lt Academy Ridge Road=
Sta. 2+05.00 10' Lt Carruthers Street
Install
1-8"x8" Cross
1-8"x6" Reducer
2-8" Gate Valves w/Type "A" Boxes & Lids
60 LF 8" PVC, ~~DIP~~ or A.C.
1-8" Cap
Blocking
1-6" Cap

THIS WORK NOT INCLUDED

Sta. 0+00 10' Lt Carruthers Street
Remove
1-6" Cap & Blocking
Install
205 LF 6" PVC, ~~DIP~~ or A.C.
1-6" Gate Valve w/Type "A" Box & Lid
1-6" 90° Bend
2-6" 45° Bends
Blocking

Sta 1+53.64, 70' Lt.
Install
1-8" 45° Bend
Blocking

Sta. 0+50 10' Lt Malaguena Lane
Remove
1-14" Cap & Blocking
Install
1-14"x8" Reducer
Tie 8" PVC, ~~DIP~~ or A.C. into Existing 14" W.L.
2-8" 11¼° Bends
Blocking

Sta. 7+45.94 10' Lt Academy Ridge Road
Install
1-8"x8"x6" Tee
1-6" Gate Valve w/Type "A" Box & Lid
1-6" Gate Valve w/Type "A" Box & Lid
245 LF 6" PVC, ~~DIP~~ or A.C.
1-6" Cap
Blocking

Note:
The Contractor is to field Verify all Existing Utilities and Notify the Engineer Immediately of any Discrepancies.

26 22 8 9 0 8 8 6

ACADEMY ROAD — W 12" D.I.P.
8" PVC, DIP OR AC
MALAGUENA LANE
ACADEMY RIDGE CT.
CARRUTHERS STREET
ACADEMY RIDGE ROAD
W 16" D.I.P.
W 6" C.I.
PUBLIC DRAINAGE & ACCESS RIGHT-OF-WAY
ACADEMY PLACE UNIT 5
HAGEN ROAD

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
Elev. 5934.53
ACS Brass Cap "6-E22"
Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd, N.E.
Station is then 375' South on the South Pro of the Bear Canyon Tributary.

AS BUILT INFORMATION
CONTRACTOR Cutler Inc. DATE 12/85
WORK STAKED BY Cutler Inc. DATE 12/85
INSPECTED BY Ron Romero DATE 12/85
ACCEPTANCE BY
FIELD REVISION BY Kevin Wyatt DATE 4/86
DRAWINGS CORRECTED BY Will Crocker DATE 4/86
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL
I, Jesse Gumert 5-23-85

NO.	DATE	REMARKS	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD
1	7/23/85	ADDED CURB & GUTTER	KLD

REVISIONS
DESIGNED BY KLD DATE 1/85
DRAWN BY LAD DATE 2/85
CHECKED BY KLD DATE 5/85

WILLIAM L. [illegible] 8131 REGISTERED PROFESSIONAL ENGINEER 12-31-85

RECORD DRAWINGS
DATE 12/85

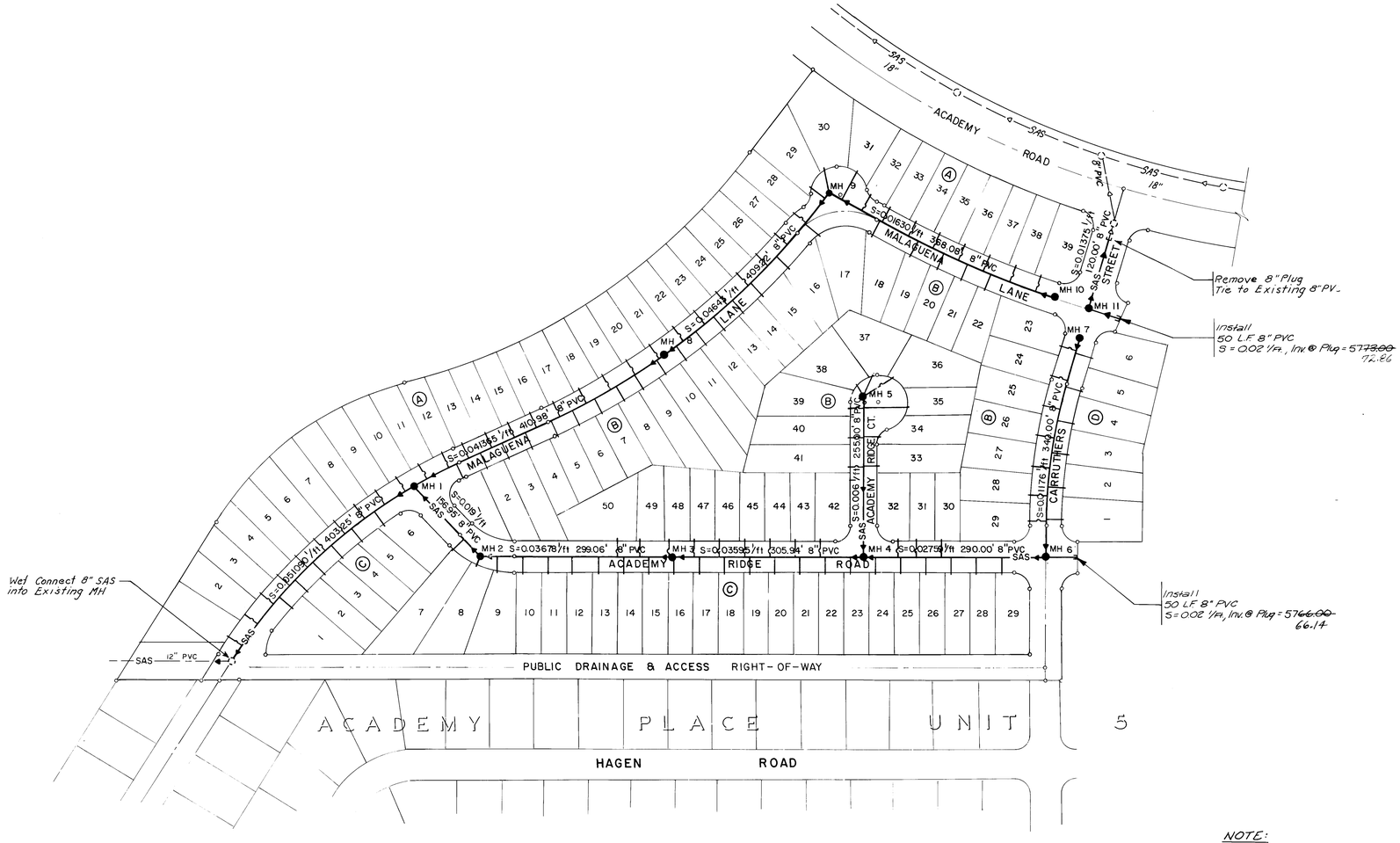
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
ACADEMY RIDGE EAST PHASE I
WATER DISTRIBUTION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	6/21/85	Liquid Waste	[illegible]	5/29/85
A.C.E. - Design	[illegible]	6/17/85	Traffic	[illegible]	6/20/85
~~DRC~~ - Hydrology	N.A. B.G.E.	5/29/85	Water	[illegible]	6/20/85

DRAWING NO. 2289 | MAP NO. E-21 | SHEET 8 OF 19

BRUNING 44-132 62236



NOTE:
The Contractor is to Field Verify all Existing Utility Locations and Notify the Engineer Immediately of any Discrepancies.

26 22890198 6

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS Brass Cap "16-E22" Elev 5934.53
Location is 1.2 miles East of the Intersection of Academy Road NE & Eubank Blvd, N.E
Station is then 375' South on the South Rim of the Bear Canyon Tributary.

AS BUILT INFORMATION
CONTRACTOR Kud Inc. DATE 7/86
WORK INSPECTED BY Kud Inc. DATE 7/86
ACCEPTANCE BY City of Albuquerque DATE 12/86
FIELD VERIFICATION BY Bill Wade DATE 12/86
DRAWINGS CORRECTED BY Bill Wade DATE 12/86
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
S-2385

NO.	DATE	REMARKS
2	9/9/85	ADDED SHT. 19 & REMAINING WORK
1	7/23/85	ADDED CURB & GUTTER

REVISIONS

	BY	DATE
DESIGNED BY	KLD	1/85
DRAWN BY	LAD	2/85
CHECKED BY	KLD	5/85

DESIGN

William J. Peterson 12-31-85

RECORD DRAWINGS
DATE 12/85

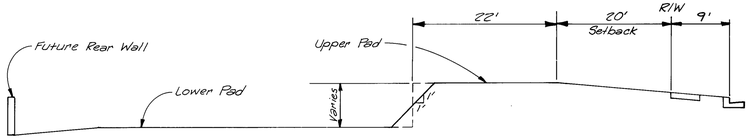
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I SANITARY SEWER PLAN

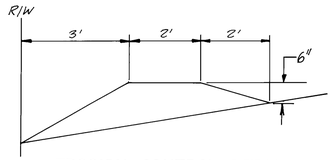
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	6/2/85	Liquid Waste	William J. Peterson	5/29/85
A C E - Design	[illegible]	6/17/85	Traffic	N/A DWH	5/21/85
~~ACE~~ - Hydrology	N.A. B.J.B.	5/29/85	Water	William J. Peterson	5/29/85

DRAWING NO. 2289 | MAP NO. E-21 | SHEET 9 OF 19

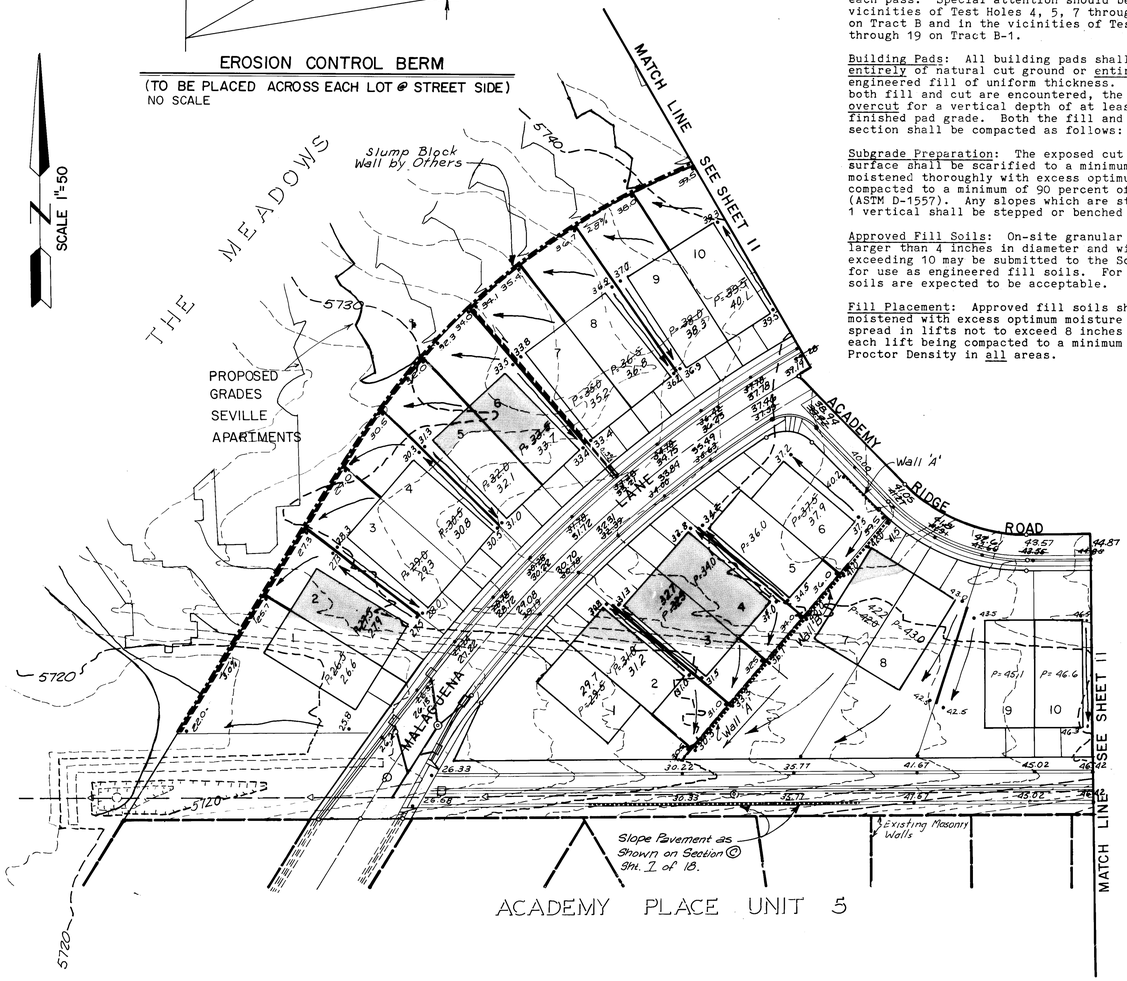
BRUNING 44-132 62236



LOT SPLIT DETAIL
NO SCALE



EROSION CONTROL BERM
(TO BE PLACED ACROSS EACH LOT @ STREET SIDE)
NO SCALE



EARTHWORK SPECIFICATIONS

Site Clearing: All rubbish and trash which may exist on the site shall be removed and wasted.

Site Grubbing: Existing vegetation shall be stripped from the entire area, and surface soils removed to a minimum depth of six (6) inches. Removed soils can be stockpiled for use in general site grading outside of building pads and pavement areas.

Prewetting: The entire development area should be prewetted to a minimum depth of five (5) feet. Several shallow depth (five feet minimum) test borings should be made periodically and under close observation and advisement by the Soils Engineer to determine that the deep prewetting of subsurface soils is accomplished. Special attention should be given to the areas in the vicinities of Test Holes 4, 5, 7 through 13, 18, 20, 21, 28 and 29 on Tract B and in the vicinities of Test Holes 2, 7, 10, 11 and 13 through 19 on Tract B-1.

Proof Rolling: Once prewetting has been accomplished the entire area should be proofrolled with a minimum 10 ton vibratory roller to help densify any loose subsurface soils. The roller should make a minimum of ten passes each in two directions perpendicular to one another, with a minimum 25% overlap of the roller width on each pass. Special attention should be given to the areas in the vicinities of Test Holes 4, 5, 7 through 13, 18, 20, 21, 28 and 29 on Tract B and in the vicinities of Test Holes 2, 7, 10, 11 and 13 through 19 on Tract B-1.

Building Pads: All building pads shall be composed either entirely of natural cut ground or entirely of compacted, engineered fill of uniform thickness. In the building areas where both fill and cut are encountered, the natural ground shall be overcut for a vertical depth of at least one (1) foot below finished pad grade. Both the fill and overcut natural ground section shall be compacted as follows:

Subgrade Preparation: The exposed cut ground or subgrade surface shall be scarified to a minimum depth of 8 inches, moistened thoroughly with excess optimum moisture (+2%), and compacted to a minimum of 90 percent of Modified Proctor Density (ASTM D-1557). Any slopes which are steeper than 5 horizontal to 1 vertical shall be stepped or benched prior to fill placement.

Approved Fill Soils: On-site granular soils having no stones larger than 4 inches in diameter and with a Plasticity Index not exceeding 10 may be submitted to the Soils Engineer for approval for use as engineered fill soils. For the most part, on-site soils are expected to be acceptable.

Fill Placement: Approved fill soils shall be thoroughly moistened with excess optimum moisture (+2%), then placed and spread in lifts not to exceed 8 inches in loose thickness, with each lift being compacted to a minimum of 95 percent of Modified Proctor Density in all areas.

Weather Constraints: During construction, low areas shall be protected from excessive surface water and ponding. The contractor shall have adequate equipment available to promptly remove or divert surface water which might accumulate.

If earthwork is interrupted by surface water intrusions, fill operations shall not be resumed until the Soils Engineer accepts the moisture content and density of the natural ground or previously placed fill soils.
No fill soils shall be placed, spread or rolled while the soils are frozen or thawing or during other unfavorable weather conditions.

Soils Engineer and Quality Control: The owner or contractor shall employ the services of a Professional Engineer (Geotechnical Engineer) to supervise all prewetting and controlled earthwork. Testing of compacted fill should include density and moisture content determinations by nuclear methods (ASTM D-2922).

A sufficient number of tests shall be made during each day's operations on each lift of fill, as necessary, to insure adherence to project specifications. In addition, tests of fill soils shall be made at the following minimum rates:

a. One (1) field density test for each 1000 square yards of subgrade prior to fill placement.

b. One (1) field density test for each 350 cubic yards of fill placed or each layer of fill in each work area.

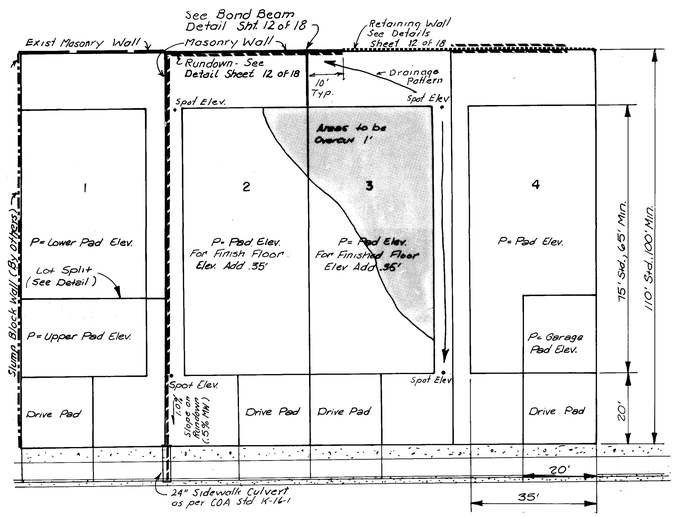
When tests indicate that the density of any layer of fill or portion thereof is below the required density, the particular layer or portion thereof shall be removed and replaced with adjustments in soil moisture as necessary until the required density is obtained.

Notification by Contractor: The contractor shall notify the Geotechnical Engineer at least 2 days prior to beginning earthwork operations or prior to resuming operations after stoppage.

Daily Report: Daily reports of field density tests shall be submitted by the Soil Engineer to the contractor or developer's field engineer.

LEGEND

- Existing Masonry Wall
- (#3) Masonry Garden Wall (By Others)
- Masonry Retaining Wall (See Detail Sht 12)
- Concrete Private Drainage Rundown (See Detail Sht 12)
- Slump Block Wall (By Others)
- Existing Contours
- Swale or Flow Patterns



Note:
Spot Elevations Reference Top of Fill or Cut Either at Base of Masonry Wall, Top of Edge of Lot Collection Rundown (See Detail) or 5' From Corner of Pad, Whichever is Less.
Spot Elevations Placed on Curb Represent Top of Curb at Final Grade.

ZC 22 89 10 86

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

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

BENCH MARKS
ACS Brass Cap "6-E22" Elev 5934.53
Location is 12 miles East of the Intersection of Academy Road N.E. & Eubank Blvd. N.E.
Station is then 375' South on the South Rim of the Bear Canyon Tributary.

AS-BUILT INFORMATION
CONTRACTOR
WORKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD
1	7/23/85	ADDED CURB & GUTTER	KLD

REVISIONS

DESIGN
DESIGNED BY KLD — DATE 1/85
DRAWN BY LAD — DATE 2/85
CHECKED BY KLD — DATE 5/85

12/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/25/85	Liquid Waste	N.A.	5/30/85
A C E - Design		6/27/85	Traffic	N/A	5/30/85
~~Const~~ -Hydrology		5/29/85	Water	N.A.	5/30/85

DRAWING NO. 2289 | MAP NO. E-21 | SHEET 10 OF 19

BRUNING 44-132 63374

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

SCALE 1"=50

PROPOSED GRADES SEVILLE APARTMENTS

THE MEADOWS

ACADEMY ROAD

MALAGUENA LANE

ACADEMY RIDGE COURT

CARRUTHERS STREET

ACADEMY RIDGE ROAD

Wall 'A'

Wall 'B'

MATCH LINE SEE SHEET 10

MATCH LINE SEE SHEET 10

Contractor's grading operations shall not disturb this area until the proposed storm drainage improvements at Malaguena Lane are in place and functioning.

ACADEMY PLACE UNIT 5

BRUNING 44-132 63374

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

425 Brass Cap "G-E 22" Elev 5934.53
Location ± 12 miles East of the Intersection of Academy Road N.E. & Eubank Blvd, N.E.
Station is then 375 South on the South Rim of the Bear Canyon Tributary

AS-BUILT INFORMATION

CONTRACTOR MARKED BY Keith Tate DATE 7/1/85
INSPECTOR'S FIELD DISTANCE BY Dan Lucero DATE 6/28/85
FIELD VERIFICATION BY Gil Lopez DATE 6/28/85
REVISIONS CORRECTED BY Gil Lopez DATE 1/1/86

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

ENGINEER'S SEAL

Benjamin Gurule
5-23-85

NO.	DATE	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK KLD
1	7/23/85	ADDED CURB & GUTTER KLD

REMARKS

REVISIONS

DESIGN — DESIGNED BY KLD DATE 1/85
DRAWN BY LAD DATE 2/85
CHECKED BY KLD DATE 5/85

W. Wesley Peterson 12-31-85

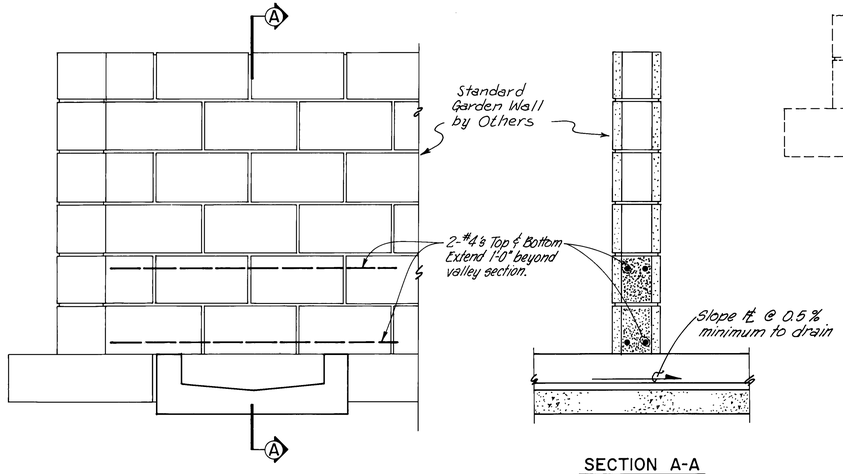
RECORD DRAWINGS
DATE 12/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I GRADING PLAN

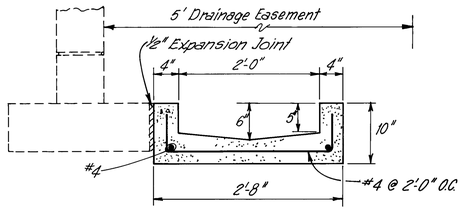
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	6/27/85	Liquid Waste	NA [signature]	5/24/85
A.C.E. - Design	[signature]	6/27/85	Traffic	NA [signature]	5/20/85
~~Exc~~ - Hydrology	[signature]	5/23/85	Water	NA [signature]	5/24/85

DRAWING NO. 2289 | MAP NO. E-21 | SHEET 11 OF 19



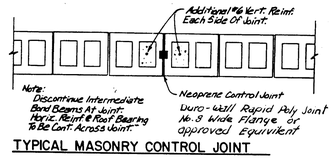
DRAINAGE RUNDOWN PLACEMENT

SECTION A-A

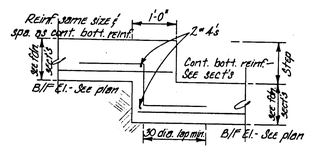


DRAINAGE RUNDOWN DETAIL

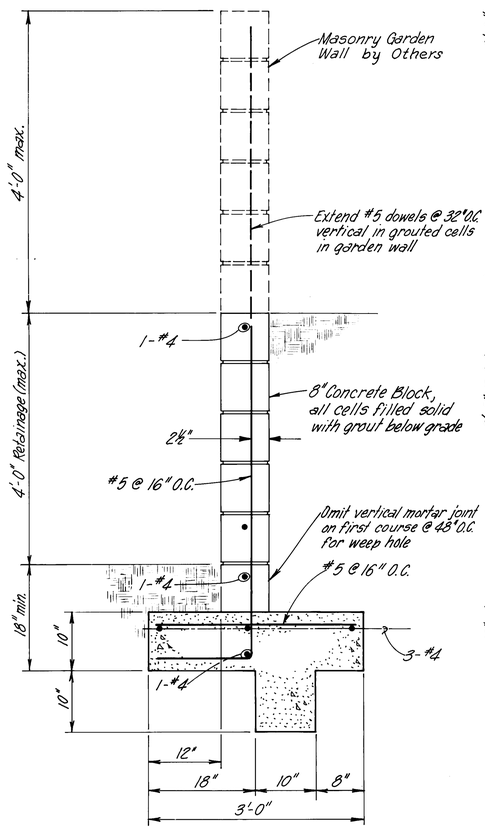
To Be Built by Others



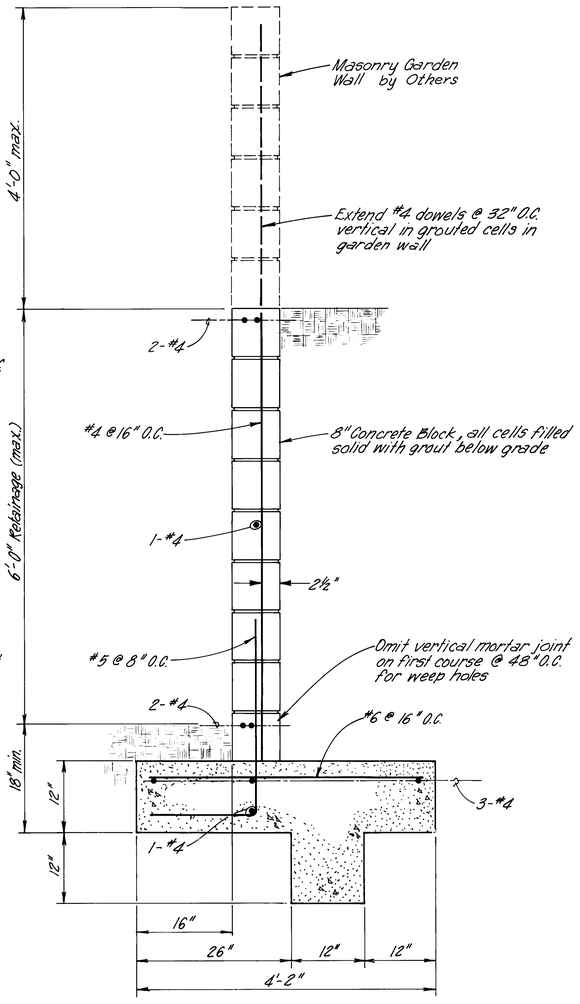
TYPICAL MASONRY CONTROL JOINT



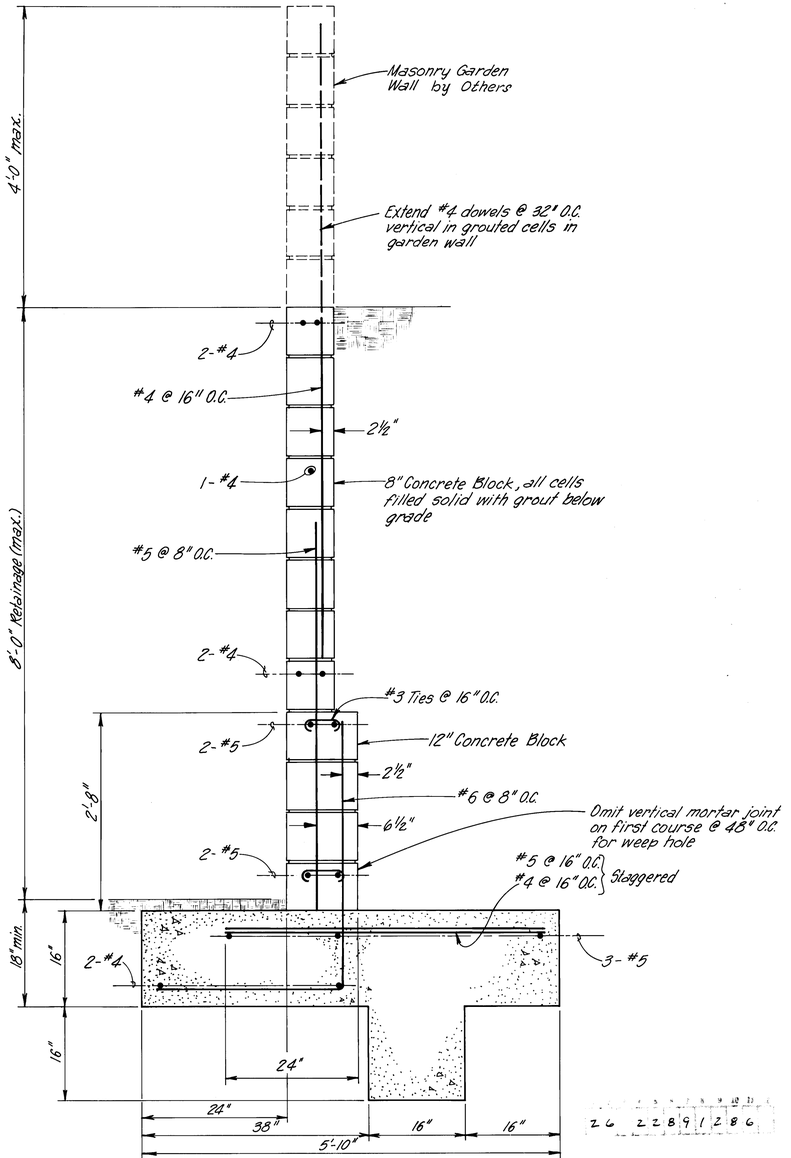
TYPICAL STEPPED FOOTING DETAIL



RETAINING WALL 'A'



RETAINING WALL 'B'



RETAINING WALL 'C'

GENERAL NOTES

1. Retaining wall footings shall be placed on a minimum of 2'-0" of engineered fill extending a minimum of 2'-6' from the edge of the footing and compacted to a minimum of 95 percent optimum density (ASTM D-1557).

Backfill shall be free draining material and shall be placed in 8" loose lifts and compacted to 90 percent optimum density (ASTM D-1557) with light vibratory compacting equipment.

2. Retaining wall shall not be backfilled until at least 7 days after placing of final grout level.

3. Vertical control joints with PVC inserts shall be placed at intervals not to exceed 30'-0" on center.

4. Minimum lap splice on reinforcing bars shall be 30 bar diameters or 1'-6" minimum.

5. Construction of retaining walls shall conform to requirements of the Uniform Building Code Section 24, low lift grouting method.

6. All garden walls that retain over 6" of soil, erected not in conjunction with retaining walls, shall be reinforced with 1-#4 in grouted cells at 16" o.c. extending to within 2" of the bottom of garden wall footing.

7. DESIGN DATA
   - Block Weight 12"=130 psf.
   - Block Weight 8"=85 psf.
   - Soil Weight=130 pcf.
   - Equiv. Fluid Press.=43 pcf.
   - Soil Bearing Press.=1500 psf. (1/3 Increase for Wind/Seismic)
   - Coefficient of Friction=0.4
   - Passive Soil Pressure=390 pcf.
   - Concrete f'c(28 Days)=3000 psi.
   - Grout Strength=2000 psi.
   - CMU Grade N=1500 psi (Grouted)
   - Reinforcement=60 ksi ASTM A-615

8. Colored and patterned concrete.

After proper consolidation of concrete, level and screed to compact the surface and float to attain a smooth, level, regular surface of uniform texture. A pattern, as specified on the plans or by the ENGINEER, is then to be pressed into the surface, to a depth not to exceed 3/16", by using embossing tools as manufactured by Bominite, Impresco, or approved equal. The Contractor shall provide a test slab of approximately 2' - 6" x 5' for the ENGINEER'S approval prior to proportion of the large areas.

RECORD DRAWINGS
DATE 12/85

THIS SHEET FOR INFORMATION ONLY. A SEPERATE BUILDING PERMIT IS REQUIRED FOR RETAINING WALL CONSTRUCTION

AS BUILT INFORMATION
CONTRACTOR Wilde Inc DATE 7/1/85
WORK STAKED BY Wilde Inc DATE 7/1/85
CONSTRUCTION INSPECTION BY Jim Gonzales DATE 8/1/85
FIELD CHANGES BY Jim Gonzales DATE 8/1/85
DRAWINGS CORRECTED BY Brad Weber DATE 8/1/85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

Jim Gonzales 5-23-85

NO	DATE	REMARKS	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD
1	7/23/85	ADDED CURB & GUTTER	KLD

REVISIONS

DESIGN
DESIGNED BY KLD DATE 1/85
DRAWN BY JRJ DATE 2/85
CHECKED BY KLD DATE 5/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
RETAINING WALL & DRAINAGE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	6/21/85	Liquid Waste	NA	5/29/85
A.C.E.- Design	[signature]	6/17/85	Traffic	NA	5/29/85
~~Asst~~ - Hydrology	[signature]	5/29/85	Water	NA	5/29/85

SCALE: 1" = 1'-0"

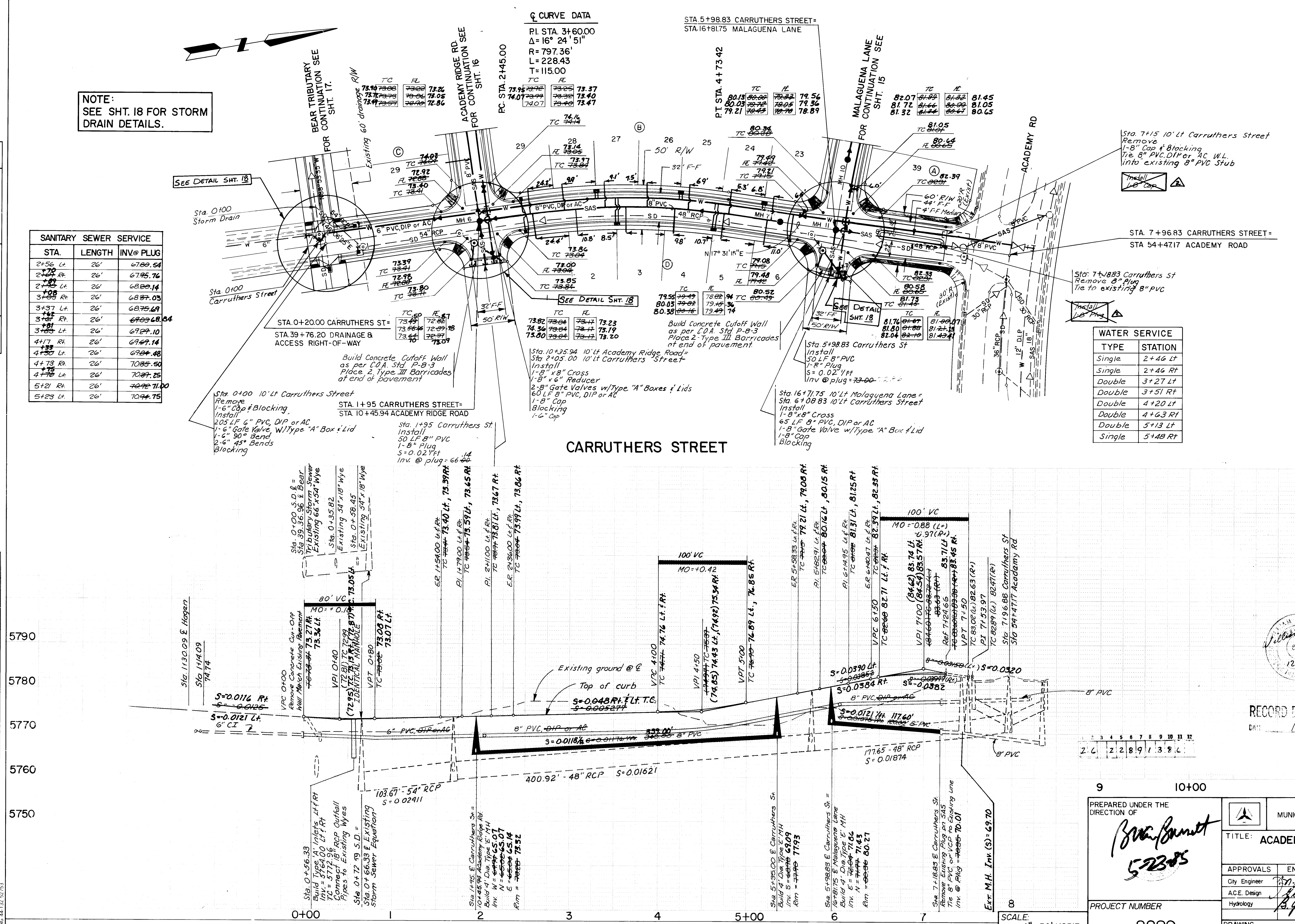
DRAWING NO. 2289

MAP NO. E-21

SHEET 12 OF 19

26 22891286

BRUNING 44 132 62236



SANITARY SEWER SERVICE		
STA.	LENGTH	INV.@ PLUG
2+56 Lt.	26'	67.54
2+70 Rt.	26'	67.76
2+89 Lt.	26'	68.14
3+08 Rt.	26'	68.03
3+37 Lt.	26'	68.69
3+62 Rt.	26'	68.84
3+81 Lt.	26'	69.10
4+17 Rt.	26'	69.14
4+33 Lt.	26'	69.48
4+73 Rt.	26'	70.50
4+75 Lt.	26'	70.25
5+21 Rt.	26'	71.00
5+23 Lt.	26'	70.75

WATER SERVICE	
TYPE	STATION
Single	2+46 Lt
Single	2+46 Rt
Double	3+27 Lt
Double	3+51 Rt
Double	4+20 Lt
Double	4+63 Rt
Double	5+13 Lt
Single	5+48 Rt

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

AS-BUILT INFORMATION
CONTRACTOR KLC Inc.
WORK STAKED BY KLC Inc. DATE 7/7/85
INSPECTOR'S ACCEPTANCE BY DATE 9/18/85
FIELD VERIFICATION BY Bill Vaucke DATE 12/3/85
DRAWINGS CORRECTED BY Bill Vaucke DATE 1/17/86

MICRO-FILM INFORMATION
RECORDED BY / DATE / NO.

BENCH MARKS
ACS Brass Cap "6-E22" Elev. 5934.53
Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd, N.E. Station is then 375' South on the South Rim of the Bear Canyon Tributary

SURVEY INFORMATION
NO. / BY / DATE

REFERENCES
MAP NO. E-21
EST. NO. / W.O. NO.

NO.	DATE	REMARKS	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD
1	7/23/85	ADDED CURB & GUTTER	KLD

REVISIONS

DESIGN
DESIGNED BY KLD DATE 1/85
DRAWN BY LAD DATE 2/85
CHECKED BY KLD DATE 5/85

RECORD DRAWINGS DATE 12/85

PREPARED UNDER THE DIRECTION OF
Brian Burnett 5-23-85

PROJECT NUMBER 2289

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
CARRUTHERS STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	D. Hicks	6/21/85	Liquid Waste	William G. Baker	5/29/85
A.C.E. Design		6/17/85	Traffic	David W. Hansen	5/28/85
Hydrology	B. J. Goolsby	5/29/85	Water	William G. Baker	5/29/85

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

DRAWING NO.

SHEET 13 OF 19

PLATE 1 SINGLE PLAN - PROFILE - DOTTED

℄ CURVE DATA

PI STA. 2+39.59
Δ = 33°23'22"
R = 839.67'
L = 489.32'
T = 251.83'

P.C.STA.0+32.00

P.T.STA.5+21.32

P.C. STA.6+74.62

℄ CURVE DATA

PI STA. 9+29.71
Δ = 25°23'48"
R = 1132.05'
L = 501.79'
T = 255.09'

Sta. 0+50 10' Lt Malaguena Lane
Remove
1-14" Cap & Blocking
Install
1-14"x8" Reducer
1-8" PVC DIP or AC into existing 14" WL
2-8" 11¼° Bends
Blocking

Sta. 4+50 10' Lt Malaguena Lane
Install
1-8"x8"x8" Tee
1-8" 22½° Bend
1-8" Gate Valve w/type "A" Box & Lid
Blocking
1-8" Cap

4+39.02 MALAGUENA LANE =
0+00.00 ACADEMY RIDGE ROAD

SEE DETAIL SHT. 18

THE MEADOWS

ACADEMY PLACE UNIT 5

Sta 2+98.14 Lt
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

Sta 5+29.48
Sta 5+24.00 Lt. Build
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

Sta 7+82.11
Sta 7+82.33 Lt.
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

Sta 8+25.91 Rt
Sta 8+25.92 Rt.
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

Sta 9+82.81 Rt.
Sta 9+82.39 Rt.
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

MATCH LINE STA. 10+00 SEE SHEET 15 FOR CONTINUATION

Sta. 0+55 10' Lt Academy Ridge Road
Install
1-8" Gate Valve w/type "A" Box & Lid
10 LF 6" PVC DIP or AC
1-6" 90° Bend
1-Fire Hydrant, 4' Bury, Flange Elev. = 5740.65
Blocking

ACADEMY RIDGE ROAD SEE FOR CONTINUATION SHT. 16

PUBLIC DRAINAGE & ACCESS RIGHT-OF-WAY

SEE SHEET 18 FOR STORM DRAIN DETAILS AND STREET TRANSITION DETAILS AT MALAGUENA LANE AND PUBLIC DRAINAGE AND ACCESS RIGHT-OF-WAY

0+00.00 ACADEMY RIDGE EAST (Ah) =
8+87.70 ACADEMY PLACE UNIT 5 (Bk)

	TC	IE
	~~37.96~~ 37.99	~~37.26~~ 37.43
	~~37.50~~ 38.40	~~37.50~~ 37.73
	~~37.96~~ 38.63	~~37.96~~ 38.03

	TC	IE
	~~40.35~~ 40.08	~~39.68~~ 39.52
	~~40.99~~ 40.42	~~39.97~~ 39.75
	~~40.80~~ 40.76	~~40.14~~ 40.12

MALAGUENA LANE

SANITARY SEWER SERVICE		
STA.	LENGTH	INV. @ PLUG
~~0+04~~ +55 Lt.	26'	14.48
~~1+08~~ +05 Lt.	26'	~~16.53~~ 16.29
1+47 Lt.	26'	~~18.52~~ 18.34
1+63 Rt.	26'	~~19.29~~ 20.17
1+88 Lt.	26'	~~20.31~~ 20.29
1+98 Rt.	26'	~~21.00~~ 21.66
2+26 Lt.	26'	~~22.36~~ 22.50
~~2+39~~ +80 Rt.	26'	~~24.25~~ 23.36
2+65 Lt.	26'	~~25.03~~ 24.73
~~2+67~~ +80 Rt.	26'	~~25.03~~ 25.61
3+04 Lt.	26'	~~26.19~~ 25.58
3+23 Rt.	26'	~~27.07~~ 28.20
~~3+42~~ +44 Lt.	26'	~~28.04~~ 28.00
~~3+63~~ +64 Rt.	26'	~~29.11~~ 29.77
~~3+83~~ +83 Lt.	26'	~~30.02~~ 29.90
~~4+19~~ +19 Lt.	26'	~~31.00~~ 31.84
4+59 Lt.	26'	~~32.50~~ 32.22
4+98 Lt.	26'	~~35.15~~ 34.95
5+22 Rt.	26'	~~36.14~~ 35.58
5+37 Lt.	26'	~~36.76~~ 36.41
5+57 Rt.	26'	~~37.59~~ 37.08
5+77 Lt.	26'	~~38.42~~ 37.91
5+97 Rt.	26'	~~39.24~~ 38.71
6+17 Lt.	26'	~~40.07~~ 39.51
6+37 Rt.	26'	~~40.90~~ 40.34
6+57 Lt.	26'	~~41.73~~ 42.27
6+77 Rt.	26'	~~42.55~~ 42.36
7+00 Lt.	26'	~~43.50~~ 43.06
7+17 Rt.	26'	~~44.21~~ 43.79
7+45 Lt.	26'	~~45.37~~ 44.42
7+56 Rt.	26'	~~45.82~~ 45.47
7+91 Lt.	26'	~~47.27~~ 47.14
7+95 Rt.	26'	~~47.43~~ 47.43
8+34 Rt.	26'	~~49.05~~ 48.82
8+36 Lt.	26'	~~49.15~~ 48.60
~~8+75~~ +72 Rt.	26'	~~50.98~~ 50.55
8+82 Lt.	26'	~~51.20~~ 50.87
9+12 Rt.	26'	~~52.59~~ 52.43
~~9+42~~ +27 Lt.	26'	~~53.33~~ 53.33
~~9+73~~ +23 Rt.	26'	~~54.45~~ 54.33
9+78 Lt.	26'	~~55.42~~ 55.38
~~9+77~~ +87 Rt.	26'	~~56.96~~ 56.38

WATER SERVICE	
DOUBLE	0+96 Lt.
SINGLE	1+16 Rt.
DOUBLE	1+78 Lt.
	2+29 Rt.
	2+94 Lt.
	3+13 Rt.
	3+33 Lt.
SINGLE	3+95 Rt.
DOUBLE	4+11 Lt.
	4+88 Lt.
	5+47 Rt.
	5+47 Lt.
	6+27 Rt.
	6+47 Lt.
	7+07 Rt.
	7+35 Lt.
	7+85 Rt.
	8+26 Lt.
	8+63 Rt.
	9+18 Lt.
	9+42 Rt.

7+75 VPC
TC 23.76 (Lt.)
24.00 (Rt.)

150' VC
M.O. = -0.98 (Rt.), -1.04 (Lt.)

0+37.30 VPT
~~TC 26.44~~ TC 26.55
~~26.48~~ 26.48 Rt.
~~26.17~~ 26.17 Lt.

VPC 0+50
~~TC 26.55~~ TC 26.43

1+00 VPI
~~(25.78)~~ (25.70) 24.31 Lt.
~~TC 26.34~~ (25.81) 24.42 Rt.

100' VC
M.O. = +0.61

VPT 1+50
TC 27.11

VPC 6+25
~~TC 46.07~~ TC 46.08 Lt. & Rt.

VPI 6+75
(78.00°)
~~(48.04)~~ 48.16 Lt.
TC 48.12 ~~(47.78)~~ 48.10 Rt.

VPT 7+25
~~TC 50.40~~ TC 50.35 Lt.
50.33 Rt.

100' VC
M.O. = +0.12

8" PVC, DIP or AC

S = 0.0388 Lt. T.C.
~~S = 0.0384 Lt.~~
S = 0.0385 Rt. T.C.

S = 0.0484 ½ft.
~~S = 0.0485 ½ft.~~

~~403.25~~ 398.90' 8" PVC

S = 0.0010022 ½ft.

48" RCP

S = 0.0085

S = 0.0213 ½ft. Rt.
S = 0.0527 ½ft. Lt.

0+17.10 E. Malaguena
Tie to Exist 4' Dia. MH
Inv. IN = ~~11.59~~ 11.79
W = ~~11.14~~ 11.14
Adjust Rim to
Elev. ~~26.04~~ 26.04
Rim = 13.83 **Rim = 26.03**

0+62.10
Exist. 4" Cap
Top WL = 16.5

0+85.26 10' Rt.
Build 6' Dia Type
Inv. = ~~13.02~~ 13.02 (NE)
~~13.23~~ 13.23 (SW)
~~19.36~~ 19.24
Rim = ~~25.96~~ 25.98

4+31.97
E. Malaguena
Build 6' Dia Type
Inv. S = ~~31.15~~ 31.12
N = ~~31.40~~ 31.15
E = ~~31.18~~ 31.22
Rim = ~~38.65~~ 38.52

Sta 4+05.44
TC = ~~37.51~~ 37.31
IE = ~~36.31~~ 36.28 Rt.

Sta 4+57.93 Rt.
TC = ~~37.84~~ 37.78
IE = ~~36.64~~ 36.59 Rt.

Sta 4+94.59
TC = ~~41.09~~ 41.10

PT Sta 5+24.32
TC = ~~42.19~~ 42.07 Lt.
~~42.14~~ 42.14 Rt.

PC Sta 6+74.62
TC = ~~48.29~~ 48.16 Lt.

Sta 8+48.77
Sta ~~8+50.2~~ 8+48.77
Build 4' Dia MH
Inv. IN = ~~41.09~~ 41.07
OUT = ~~41.09~~ 41.98
Rim = ~~56.05~~ 56.31

S = 0.0478 ½ft. Rt.
S = 0.0474 ½ft. Lt.
~~S = 0.0049 ½ft.~~

S = 0.0464 ½ft.
~~409.22~~ 409.25' 8" PVC

~~S = 0.0484 ½ft.~~
S = 0.0487 ½ft.
~~410.98~~ 410.80' 8" PVC

0+00 1 2 3 4 5+00 6 7 8 9 10+00 11

5770
5760
5750
5740
5730
5720

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

BRUNING 44-132-52753

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R/W OF WAY CHECKED, NOTE BOOK, NO.

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, NO., STRUCTURE NOTATIONS CHKD

RECORD DRAWING
DATE 12/85

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

PROJECT NUMBER
2289

PREPARED UNDER THE DIRECTION OF
5-2385

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
MALAGUENA LANE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/26/85	Liquid Waste	William J. Brandt	5/23/85
A.C.E. - Design		6/26/85	Traffic	David M. Hanna	5/24/85
Hydrology		5/23/85	Water	William J. Brandt	5/23/85

DRAWING NO.

SHEET 14 OF 19

SHEET NO. | TOTAL SHEETS

AS-BUILT INFORMATION
CONTRACTOR Keller Excavation DATE 7/1/85
WORK STAKED BY Keller Excavation DATE 6/28/85
INSPECTIONS BY Ron Sommer DATE 6/28/85
FIELD VERIFICATION BY Keller Excavation DATE 11/26/85
DRAWINGS MARKED BY Keller Excavation DATE 11/26/85
CORRECTED BY Keller Excavation DATE 11/26/85

BENCH MARKS
ACS Brass Cap "6-E22" Elev. 5934.53
Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd., N.E.
Sta. is then 375' South on the South Rim of the Bear Canyon Tributary

SURVEY INFORMATION
MAP NO. E-21 W.O. NO.
EST. NO. KLD

REFERENCES

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REVISIONS	DESIGN
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	DESIGNED BY KLD DATE 1/85
1	7/23/85	ADDED CURB & GUTTER	DRAWN BY JAJ DATE 1/85
NO.	DATE	REMARKS	CHECKED BY KLD DATE 1/85

WATER SERVICE	
TYPE	STATION
Double	10+08 Lt
Double	10+20 Rt
Double	10+99 Lt
Double	11+17 Rt
Double	11+87 Lt
Double	12+35 Lt
Single	12+65 Lt
Double	13+10 Rt
Double	13+19 Lt
Double	14+07 Lt
Double	14+26 Rt
Double	14+95 Lt
Double	15+06 Rt
Double	15+83 Lt

℄ CURVE DATA
PI STA. 9+29.71
Δ = 25°23'48"
R = 1132.05'
L = 501.79'
T = 255.09'
P.R.C. STA. 11+76.41

℄ CURVE DATA
PI STA. 12+59.21
Δ = 79°15'05"
R = 100.00'
L = 138.32'
T = 82.80'
P.R.C. STA. 13+14.73

℄ CURVE DATA
PI STA. 14+99.02
Δ = 12°53'52"
R = 1630.40'
L = 367.02
T = 184.29'
P.T. STA. 16+81.75

NOTE:
SEE SHEET 18 FOR STORM DRAIN DETAILS

14+29.65 10' Lt
Sta. ~~15+30~~ ~~10.61~~ Malaguena Lane
Install
1-8"x8"x6" Tee
10 LF 6" PVC, DIP or AC
1-6" 90° Bend
1-Fire Hydrant, 4' Bury, Flange Elev.=5781.~~60~~ .61
Blocking

Sta. 16+71.75', 10' Lt. Malaguena Lane =
Sta. 6+08.83, 10' Lt. Carruthers Street
Install
1-8"x8" Cross
65 LF 8" PVC, DIP or AC
1-8" Gate Valve w/type "A" Box & Lid
1-8" Cap
Blocking

SEE DETAIL SHT. 18

Sta. 7+45.94 10' Lt Academy Ridge Road
Install
1-8"x8"x6" Tee
1-8" Gate Valve w/type "A" Box & Lid
1-6" Gate Valve w/type "A" Box & Lid
245 LF 6" PVC, DIP or AC
1-6" Cap
Blocking

WATER SERVICE	
TYPE	STATION
Double	1+80 Lt
Double	1+82 Rt
Double	2+25 Rt
Single	2+47 Rt
Double	2+49 Lt

Sta. 12+28.09, 33.93 Lt
TC= ~~74.58~~ 74.58

Sta. 12+55.12, 61' Lt
TC= ~~75.60~~ 75.80

Sta. 12+61.86, 31.12' Lt
TC 75.92

Sta. 13+03.34, 16' Lt
TC= ~~77.05~~ 77.10 Lt.

Sta. 13+35, 10' Lt
Install
8"-22½° Bend
Blocking

Sta. 14+09.58
Build
Sidewalk Culvert
as per C.O.A. Std. K-16-1

Sta. 12+06.91, 16' Lt
TC= ~~73.52~~ 73.52

Sta. ~~11+45~~ 11+46, 10' Lt
Install
1-8"x8"x6" Tee
10 LF 6" PVC, DIP or AC
1-6" 90° Bend
1-Fire Hydrant, 4' Bury
w/ Flange Elev = ~~5770.10~~ 5771.07
Blocking

Sta. 11+30, 10' Lt
Install
1-8" Gate Valve with
Type "A" Box & Lid

Sta. 10+~~55.40~~ 53.81 Lt.
Build
Sidewalk Culvert
as per C.O.A. Std. K-16-1

Sta. 11+76.41, 10' Lt
Install 8"-45° Bend
Blocking
Sta. 11+10, 10' Lt
Install 8"-11 4/8° Bend
Blocking

MATCH LINE STA. 10+00

SANITARY SEWER SERVICES		
STA.	LENGTH	INVERT AT PLUG
10+~~10~~ Lt.	26'	57.~~44~~.78
10+~~30~~ Rt.	26'	58.~~87~~.08
10+~~47~~ Lt.	26'	59.~~55~~.53
10+~~69~~ Rt.	26'	59.~~80~~.93
11+09 Lt.	26'	61.~~74~~.68
11+~~29~~ Rt.	26'	62.~~87~~.58

11+~~56~~ Lt.	26'	~~63.28~~ ~~62.49~~
11+~~78~~ Lt.	~~26'~~ 26'	65.~~69~~.83
11+~~96~~ Rt.	32'	~~66.18~~ 65.97
12+~~38~~ Lt.	29'	67.~~77~~.80
12+~~43~~ Lt. (MH)	40'	69.27
12+55 Lt.	52'	70.~~13~~.03
12+~~98~~ Lt.	~~30'~~ 27'	~~69.97~~ 70.04

13+~~21~~ Rt.	26'	70.~~45~~.84
13+~~39~~ Lt.	26'	70.~~29~~.69
13+~~79~~ Lt.	26'	71.~~01~~.14
13+~~91~~ Rt.	26'	71.~~30~~.54
14+~~17~~ Lt.	26'	71.~~54~~ 71.~~5~~4
14+~~37~~ Rt.	26'	72.~~06~~.54
14+~~60~~ Lt.	26'	72.~~44~~ 72.~~30~~4

14+77 Rt.	26'	~~72.71~~ 72.80
15+05 Lt.	26'	~~73.16~~ 74.09
15+~~17~~ Rt.	26'	73.~~34~~.79
15+~~40~~ Lt.	26'	~~73.86~~ 74.11
15+~~60~~ Rt.	26'	~~73.99~~ 74.56
15+93 Lt.	26'	~~74.60~~ 75.37

SANITARY SEWER SERVICES		
STA.	LENGTH	INVERT AT PLUG
1+45 Lt.	~~22'~~ 25'	~~58.93~~ 59.~~54~~.64
1+~~67~~ Rt.	~~22'~~ 25'	~~58.99~~ 57.~~86~~
1+~~90~~ Lt.	~~32'~~ 25'	59.~~41~~.77
1+92 Rt.	~~22'~~ 25'	~~59.80~~ 59.82

2+35 Lt	~~22'~~ 25'	~~69.85~~ 69.47
2+37 Rt	70'	61.~~79~~.25
2+~~55~~ (MH)	~~22'~~ 30'	60.~~65~~.83
2+~~82~~ (MH)	~~40'~~ 45'	~~60.77~~ 61.25
2+~~95~~ (MH)	~~60'~~ 65'	61.~~57~~.95

Sta. 16+81.75 MALAGUENA LANE =
STA. 5+98.83 CARRUTHERS ST.

STA. 0+00.00 ACADEMY RIDGE COURT
STA. 7+59.94 ACADEMY RIDGE ROAD

Build Concrete Cutoff Wall as per C.O.A. Std. D-8.3
Place 2 Type III Barricades at end of pavement.

Sta. 16+81.75 Malaguena Lane
Install
50 LF 8" PVC
S = 0.02 ↑/ft
Inv @ Plug = ~~5773.00~~ 5772.86

Sta. 2+85.50
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

Sta. 2+25 Rt.
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

Sta. 2+40.03
Sta. 34.57 Rt. TC= ~~65.78~~ 66.03

Sta. 1+78.55, 16' Rt.
TC= ~~65.78~~ 65.84

Sta. 2+85, 24' Lt.
TC= ~~66.21~~ 66.33

Sta. 2+46, 16' Lt
TC= ~~66.11~~ 66.09

Sta. ~~1+35~~ 1+34 Rt. — 16' Lt
Build Sidewalk Culvert as per C.O.A. Std. K-16-1

MALAGUENA LANE

VPI 1+35
TC 74.90 Lt.
73.34 Rt.

VPI 1+75
TC 74.66
(74.65) 74.20
(74.75) 74.24

VPT 2+25
TC 77.21 Lt.
77.20 Rt.

100' VC
MO = -0.45

VPC 15+25
TC 80.01

VPI 16+00 Rt.
TC 80.27
(80.19) 80.50

VPI 16+50
TC 80.22 (Rt.)

100' VC
MO = -0.25

VPT 16+75
TC 80.27

Top of Curb
Existing Ground @ ℄
S = 0.0119 ↑/ft. Lt.
~~S = 0.0117 ↑/ft~~
S = 0.0124 ↑/ft. Rt.
8" PVC, ~~DIP or AC~~
S = 0.0190 ↑/ft. ~~S = 0.0150 ↑/ft~~
367.10' ~~369.05'~~ 8" PVC
S = 0.048 ↑/ft.
8" PVC, ~~DIP or AC~~
~~S = 0.0048 ↑/ft~~
409.~~22~~.25 8" PVC

S = 0.0089 ↑/ft (Lt)
~~S = 0.0085 ↑/ft~~
S = 0.0184 ↑/ft (Rt)
~~S = 0.0185 ↑/ft~~
0.0153

Pl 15+65.91 Rt.
TC ~~80.64~~ 80.54
Pl 16+41.75
TC ~~80.29~~ 80.16
Pl 16+97.60 Rt.
TC ~~80.59~~ 80.15
Pl 17+21.75 (Rt.)
TC ~~80.98~~ 80.52
Pl 17+03.21 Lt.
TC ~~81.45~~ 81.25
Pl 17+29.97 (Lt.)
TC ~~81.98~~ 81.73
Pl 16+49.63 Lt.
TC ~~81.48~~ 81.25

Sta 15+91.77 Malaguena Lane
Build 4' Dia. Type 'E' MH
Inv. W = ~~73.44~~ 74.20
Rim = ~~80.14~~ 80.29

Sta 16+81.75' Malaguena Lane =
Sta. 6+98.83 Carruthers Street
Build 4' Dia. Type 'E' MH
Inv. N = ~~73.45~~ 74.45
E = ~~73.45~~ 74.45
Rim = ~~80.98~~ 80.82
Existing 48" RCP Storm Drain
Proposed 24" RCP Storm Drain

PRC 11+76.41
TC ~~72.03~~ 71.98 Lt.
72.22 Rt.

12+44.34
Sta. ~~11+45.53~~ 11+45.53, 27.84 Lt. (PC Sta. 11+82.81)
Build 4' Dia. Type 'E' MH
Inv. S = ~~64.77~~ 66.97
E = ~~67.03~~ 67.19
Rim = ~~74.64~~ 74.94

PRC 13+14.73
TC ~~71.05~~ 71.21 Lt.
71.20 Rt.

ACADEMY RIDGE COURT

VPI 0+75
TC 63.97

VPI 1+25
TC 65.51

100' VC (Lt)
MO = -0.26

VPC 0+25
TC 63.77

VPI 0+50
TC ~~64.00~~ 64.03
(64.02)

VPT 1+25
TC 65.05

Top of Curb
Existing Ground @ ℄
S = 0.0054 ↑/ft
~~S = 0.0055 ↑/ft~~
S = 0.0026 ↑/ft
~~S = 0.0027 ↑/ft~~
S = 0.0105 ↑/ft.
6" PVC, DIP or AC
252.50 ~~255~~ 8" PVC ~~or DIP~~

Pl 0+16.00
TC 64.87
Pl 0+40.00
TC 64.95 (Lt.)
65.01

Sta 0+00.00 Academy Ridge Ct. =
Sta. 7+55.94 Academy Ridge Rd
Build 4' Dia. Type 'E' MH
Inv. N = ~~64.25~~ 64.55
E = ~~64.25~~ 64.55
Rim = ~~69.80~~ 69.82
Sta. 2+52.50
Build at the 8" MH
Rim = ~~69.~~ 65.89

5780
5770
5760
5750

RECORD DRAWINGS
DATE 12/85

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

AS-BUILT INFORMATION
CONTRACTOR — DATE 7/1985
STAKED BY Wade Lee — DATE 7/1985
INSPECTORS DISTANCE BY Bruce Cross — DATE 10/1985
FIELD VERIFICATION BY Bill Weaver — DATE 11/1985
CORRECTED BY Bill Weaver — DATE 11/1985

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
BENCH MARKS
ACS Brass Cap "6 F 22"
Elev. 5934.53
Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd., N.E.
Station is then 375' South on the South Rim of the Bear Canyon Tributary

NO.	BY	DATE
2	9/9/85	ADDED SHT. 19 & REMAINING WORK
1	7/23/85	ADDED CURB & GUTTER
NO.	BY	DATE

REFERENCES
MAP NO. E-21 — W.O. NO. — DEST. NO. — KLD

REVISIONS — DESIGN

DESIGNED BY	KLD	DATE 1/85
DRAWN BY	JAJ	DATE 1/85
CHECKED BY	KLD	DATE 1/85

PREPARED UNDER THE DIRECTION OF
5-23-85

CITY OF ALBUQUERQUE
MUNIC DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
MALAGUENA LANE & ACADEMY RIDGE CT.

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

PROJECT NUMBER 2289

DRAWING NO.

SHEET 15 OF 19

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

PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.
BRUNING 44-132 52753

PLAN: SURVEYED — DRAWN — CHECKED — ALIGNMENT CHECKED — NOTE BOOK — NO. — BY — DATE
PROFILE: SURVEYED — DRAWN — CHECKED — GRADES CHECKED — NOTE BOOK — NO. — B.M. NOTED — STRUCTURE NOTATIONS UNMKD — BY — DATE

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

STA. 0+00.00 ACADEMY RIDGE ROAD =
STA. 4+39.02 MALAGUENA LANE

SEE DETAIL SHT. 18

℄ CURVE DATA
Pl. STA. 1+56.35
Δ = 45°56'17"
R = 117.97'
L = 94.58'
T = 50.00'

P.C. STA. 1+06.35

P.T. STA. 2+00.94

Sta 4+50 10'Lt Malaguena Lane
Install
1-8"x8"x8" Tee
1-8" 22½° Bend
1-8" Gate Valve w/type "A" Box & Lid
Blocking

MALAGUENA LANE
FOR CONTINUATION SEE SHT. 14

WATER SERVICE	
TYPE	STATION
Single	1+14 Rt
Double	1+69 Rt
Double	2+46 Rt
Double	3+26 Rt
Single	3+95 Lt
Double	4+06 Rt
	4+40 Lt
	4+86 Rt
	5+22 Lt
	5+66 Rt
	6+02 Lt
	6+46 Rt
	6+82 Lt
	7+26 Rt
	8+06 Rt
	8+30 Lt
Single	8+70 Lt
Double	8+86 Rt
Double	9+66 Rt

0+58
Sta ~~0+45~~ 10'Lt Academy Ridge Road
Install
1-8" Gate Valve w/type "A" Box & Lid
10 LF 6" PVC, DIP or AC
1-6" 90° Bend
1-Fire Hydrant - 4' Bury w/Flange Elev = 5740.65
Blocking

Sta. 1+53.64, 0.70' Lt
Install
1-45° 8" Bend
Blocking

1+95.05
Sta ~~2+89.89~~ Lt. Build Sidewalk Culvert as per C.O.A. Std. K-16-1

3+87.65
Sta ~~4+91.64~~ Lt. Build Sidewalk Culvert as per C.O.A. Std. K-16-1

STA. 7+55.94 ACADEMY RIDGE ROAD =
STA. 0+00.00 ACADEMY RIDGE COURT

ACADEMY RIDGE COURT
FOR CONTINUATION SEE SHT. 14

SEE DETAIL SHT. 18

Sta 7+45.94 10'Lt Academy Ridge Road
Install
1-8"x8"x6" Tee
1-8" Gate Valve w/type "A" Box & Lid
245 LF 6" PVC, DIP or AC
1-6" Cap
Blocking

9+11
Sta ~~9+10~~ 10'Lt Academy Ridge Road
Install
1-8"x8"x6" Tee
10 LF 6" PVC, DIP or AC
1-6" 90° Bend
1-Fire Hydrant, 4' Bury w/Flange Elev. = ~~5772.60~~ 5772.14
Blocking

CARRUTHERS STREET
FOR CONTINUATION SEE SHT. 13

10+95.94
Sta ~~10+45.94~~
Academy Ridge Rd.
Install
50 LF 8" PVC or VCP
S = 0.02 ¹/ft
Inv. @ plug = ~~66.00~~ 66.14
1-8" plug

Build Concrete Cutoff Wall as per COA Std. P-8-3
Place 2 Type III Barricades at end of pavement.

STA. 10+45.94 ACADEMY RIDGE ROAD =
STA. 1+95.00 CARRUTHERS STREET =

Sta. 10+35.94 10'Lt Academy Ridge Road =
Sta 2105.00 10'Lt Carruthers Street
Install
1-8"x8" Cross
1-8"x6" Reducer
2-8" Gate Valves w/type "A" Boxes & Lids
60 LF 8" PVC, DIP or AC
1-8" Cap
Blocking

SANITARY SEWER SERVICE		
STA	LENGTH	INV. @ PLUG
1+25 Rt.	~~25~~ 26'	~~34.88~~ 35.04
1+49 1+25.64(MH)	~~46~~ 20'	35.41.54
1+69 Rt.	~~25~~ 26'	36.60.81
2+16 Rt.	26'	38.00.03
2+56 Rt.	26'	39.47.72
2+96 Rt.	26'	~~40.95~~ 41.18
2+96 Lt.	26'	41.02.61
3+36 Rt.	26'	42.42.41

3+76 Rt.	26'	43.~~88~~.86
4+00 Lt.	26'	44.~~54~~.55
4+16 Rt.	26'	45.~~36~~.70
4+50 L(MH)	26'	46.~~64~~45
4+86 Rt.	26'	~~46.92~~ 47.11
4+92 Lt.	26'	48.~~22~~.40
4+96 Rt.	26'	48.~~36~~.65

5+36 Lt.	26'	~~49.66~~ 50.12
5+26 Rt.	26'	~~49.00~~ 50.04
5+72 Lt.	26'	51.~~09~~.57
5+76 Rt.	26'	51.~~24~~.79
6+12 Lt.	26'	52.~~15~~.27
6+16 Rt.	26'	52.68.72
6+52 Lt.	26'	~~53.91~~ 52.28

6+56 Rt.	26'	54.~~41~~.40
6+92 Lt.	26'	55.~~41~~.40
6+96 Rt.	26'	55.~~55~~.57
7+36 Rt.	26'	~~56.99~~ 57.82
7+76 Rt.	26'	~~58.23~~ 59.11
8+05 Lt.	26'	~~59.23~~ 60.02
8+16 Rt.	26'	~~59.51~~ 60.23

8+40 Lt.	26'	~~60.42~~ 61.44
8+56 Rt.	26'	~~60.81~~ 61.55
8+80 Lt.	26'	~~61.56~~ 62.35
8+96 Rt.	26'	62.~~03~~.88
9+32 Lt.	26'	~~62.80~~
9+37 Rt.	26'	~~63.30~~ 64.23
9+76 Rt.	26'	~~64.54~~ 65.26

NOTE:
SEE SHEET 18 FOR STORM DRAIN DETAILS

ACADEMY RIDGE ROAD

VPC 0+50 TC 40.88
VPI 1+00 (40.71) TC 40.67 40.88 Lt.
VCT 1+50 TC 42.22 42.01 Rt.
VPC 1+75 TC 43.41 42.43 Rt.
VPI 2+25 (44.00) TC (43.87) 44.09 Lt. (43.94) 44.09 Rt.
VPT 2+75 TC 45.80 Lt. & Rt.
VPC 7+75 TC 65.08 65.10 Rt.
VPI 8+25 (67.08) 67.22 Lt. (67.05) 67.24 Rt.
VPT 8+75 TC 69.71 Lt. 69.72 Rt.
VPC 9+25 TC 72.26 Lt. 72.36 Rt.
VPI 9+75 TC 73.95 (74.91) Lt. TC 74.00 Rt. (75.00)
VPT 10+25 TC 73.82 Lt. TC 73.91 Rt. 73.73 73.52

100' VC
M.O. = +0.17 Lt.
M.O. = +0.15
M.O. = +0.19
M.O. = -0.96 Lt., -1.00 Rt.

Sta 0+00 & Academy Ridge Rd. = Sta 4+39.02 & Malaguena Lane
Build a Dia Type E MH
Inv. W = 5732.53
N = 6502
E = 4449.45
Rim = 5740.65

Sta 1+06.95
Build a Dia Type E MH
Inv. W = 5736.34
N = 6502
E = 4475.20
Rim = 5741.81

1+53.09
Sta 1+53.64, 0.70' Lt.
Build a Dia Type E MH
Inv. W = 5736.16
N = 6502
E = 4497.45
Rim = 5741.91

Sta 2+00.94
Build a Dia Type E MH
Inv. W = 5736.20
N = 6502
E = 4509.45
Rim = 5741.91

Sta 7+55.05
Sta 7+53.94 & Academy Ridge Road
Build a Dia Type E MH
Inv. W = 5743.95
N = 6504
E = 4544.08
Rim = 64.00 64.02

10+45.55
Sta 10+45.94 & Academy Ridge Rd. =
Sta 2105.00 & Carruthers Street
Build a Dia Type E MH
Inv. W = 5744.05
N = 6502
E = 4565.04
Rim = 73.28

Existing Ground @ ℄
Top of Curb
Existing 18" RCP Storm Drain
Proposed 18" RCP Storm Drain

S = 0.0117 ¹/ft Lt.
S = 0.0214 ¹/ft Rt.
S = 0.0169 ¹/ft
S = 0.0258 ¹/ft Lt.
S = 0.0241 ¹/ft Rt.
S = 0.0362 ¹/ft.
S = 0.0370 ¹/ft Lt.
S = 0.0385 ¹/ft Rt.
S = 0.0355 ¹/ft.
S = 0.0309 ¹/ft
S = 0.0525 ¹/ft Lt.
S = 0.0530 ¹/ft Rt.
S = 0.0060 ¹/ft Lt.
S = 0.0060 ¹/ft Rt.
S = 0.020 ¹/ft Lt.
S = 0.020 ¹/ft Rt.

8" PVC, DIP or AC
156.40'
299.30'
305.60'
290.50'
8" PVC
18" RCP

0+00 1 2 3 4 5+00 6 7 8 9 10+00 11

5780 5770 5760 5750 5740

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

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

PROJECT NUMBER
2289

PREPARED UNDER THE DIRECTION OF,
5-23-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
ACADEMY RIDGE ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design		6/21/85	Traffic		
Hydrology		6/27/85	Water		5/29/85

DRAWING NO.

SHEET 16 OF 19

AS-BUILT INFORMATION
CONTRACTOR ~~Wolf Inc~~ DATE 11/85
WORK STARTED BY ~~Dan Lopez~~ DATE 11/85
INSPECTORS ACCEPTANCE BY ~~Dan Lopez~~ DATE 11/85
VERIFICATION BY ~~Wolf Inc~~ DATE 11/85
CORRECTED BY ~~Wolf Inc~~ DATE 11/85

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION

BENCH MARKS
ACS Brass Cap "6-E22"
Elev. 5934.53
Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd. N.E.
Station is then 375' South on the South Rim of the Bear Canyon Tributary

NO.	BY	DATE

REFERENCES
MAP NO. E-21
W.O. NO.
EST. NO.

NO.	DATE	REVISIONS	BY
1	7/23/85	ADDED CURB & GUTTER	KLD
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD

DESIGNED BY KLD DATE 1/85
DRAWN BY JAJ DATE 1/85
CHECKED BY KLD DATE 1/85

DATE 12/85

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RE-DRAFT CHECKED, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO.

BRUNING 44-132 52753

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

See Sheet 18 for Storm Drain and Pavement Transition Details

MALAGUENA LANE FOR CONTINUATION SEE SHT. 14

CATRUTHERS STREET FOR CONTINUATION SEE SHT. 13

16" D.I.P. — W
12" P.V.C. — SAS
66" R.C.P. — SD
N 89°49'48" W

26.27 / 26.27

26.66 / 26.66

SEE DETAIL SHT. 18

40' R/W

22' Std. Alley Section As Per C.O.A. Std. P-5-6

5'

20'

73.49 / 73.59

73.61 / 73.46

SEE DETAIL SHT. 18

ACADEMY PLACE UNIT 5

Construct Std. Alley Intersection as per C.O.A. Std. P-12

HAGEN ROAD

PUBLIC DRAINAGE & ACCESS RIGHT-OF-WAY

28+25 V.P.C. — 28.72 Rt. / 28.24 Lt.

29+00 V.P.T. — 29.87 Rt. (30.03 Lt.) — 31.04 T.C. — 31.14 T.C.

29+75 V.P.T. — 35.92 Lt. / 35.85 Rt.

30+00 V.P.C. — 37.91 Lt. / 37.97 Rt.

30+50 V.P.T. — (41.87 Lt.), (41.98 Rt.) — 41.31 Lt. T.C. — 41.42 Rt. T.C.

31+00 V.P.T. — 43.77 Lt. / 43.73 Rt.

150' V.C. M.O. = + 1.17 Rt. + 1.11 Lt.

100' V.C. M.O. = -0.56

39+51.20 Top of Header Curb Elev. = 5736.81 Rt., 73.59 Lt.

Top of Header Curb

Existing Ground @ South R/W

Proposed Grade @ Top of Header Curb

Existing Ground @ ℄

S = 0.0350 ft/ft Lt. T.C.

S = 0.0349 ft/ft Rt. T.C.

S = 0.0807 ft/ft Rt. T.C.

S = 0.0787 ft/ft Lt. T.W.

S = 0.0226 ft/ft Rt. T.W.

S = 0.0270 ft/ft Lt. T.W.

Note: This storm sewer inlet with associated training dike and desiltation pond shall not be altered or destroyed until the storm sewer improvements in Malaguena Lane are in place and functioning.

26+28.33 Drainage & Access R/W = 0+23.60 Malaguena Lane

27+06.39 Top of Header Curb Rt. @ R/W Elev. = 26.66

27+19.75 Top of Header Curb Lt. @ R/W Elev. = 26.27

29+25 S.D. M.H. Field Verify & Adjust M.H. rim Elev. to 5732.28 as required

33+25 S.D. M.H. Adjust M.H. Rim Elev. to 5751.38

36+50 S.D. M.H. Field Verify & Adjust M.H. Rim Elev. to 5742.91 as required

39+65 Adjust M.H. Rim Elev. to 5772.58

39+76.20 Drainage & Access R/W = 0+20.00 Carruthers St.

5780 / 5770 / 5760 / 5750 / 5740 / 5730 / 5720

26+00 27 28 29 30+00 31 32 33 34 35+00 36 37 38 39 40+00

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

BRUNING 44-132 52753

PLAN: SURVEYED — PLOTTED — LAYOUT CHECKED — R/W CHECKED — NOTE BOOK — NO.

PROFILE: SURVEYED — PLOTTED — GRADES CHECKED — "M" NOTED — STRUCTURE NOTATNS CHKD

AS-BUILT INFORMATION

CONTRACTOR Kiltie Corp. DATE 11/85

WORK STAKED BY Kiltie Corp. DATE 11/85

INSPECTORS REPORTS BY Ken Chavez DATE 11/85

FIELD VERIFICATION BY S. Weber DATE 11/85

DRAWINGS CORRECTED BY S. Weber DATE 11/85

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

ACS Brass Cap Elev. 5934.53

Location is 1.2 miles East of the Intersection of Academy Road N.E. & Eubank Blvd N.E. Station is then 375' South on the South Property Line of the Bear Canyon Tributary.

SURVEY INFORMATION

MAP NO. E-21 — W.O. NO. — EST. NO. — K.L.D. — BY

NO. — BY — DATE

REFERENCES

REMAINING WORK

2 9/9/85 ADDED SHT. 19 & REMAINING WORK K.L.D.

1 7/23/85 ADDED CURB & GUTTER

NO. DATE REMARKS BY

REVISIONS

DESIGN

DESIGNED BY K.L.D. DATE 1/85

DRAWN BY J.A.J., L.D. DATE 2/85

CHECKED BY K.L.D. DATE 5/85

RECORDED DRAWING DATE 12/85

PREPARED UNDER THE DIRECTION OF

5-23-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
PUBLIC DRAINAGE & ACCESS RIGHT-OF-WAY

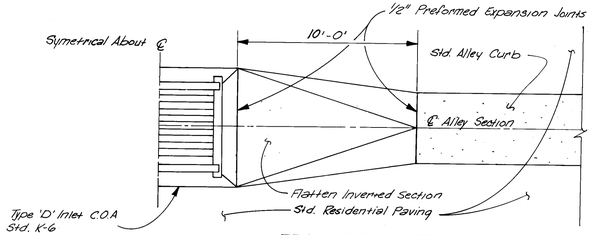
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
Hydrology			Water		

PROJECT NUMBER 2289

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

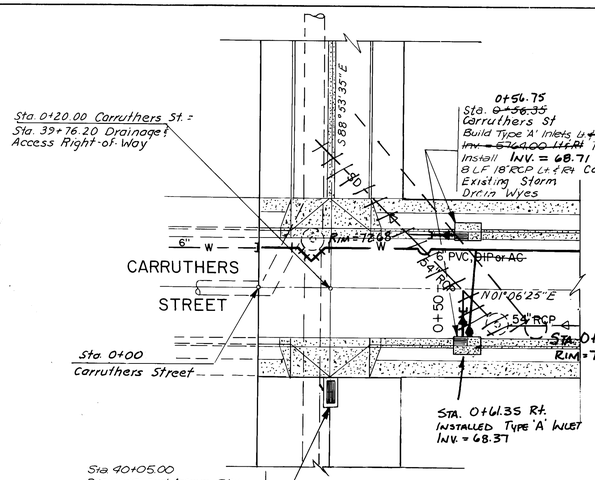
DRAWING NO.

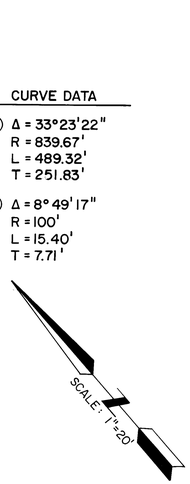
SHEET 17 OF 19



TRANSITION DETAIL ALLEY CURB TO TYPE "D" INLET

NO SCALE

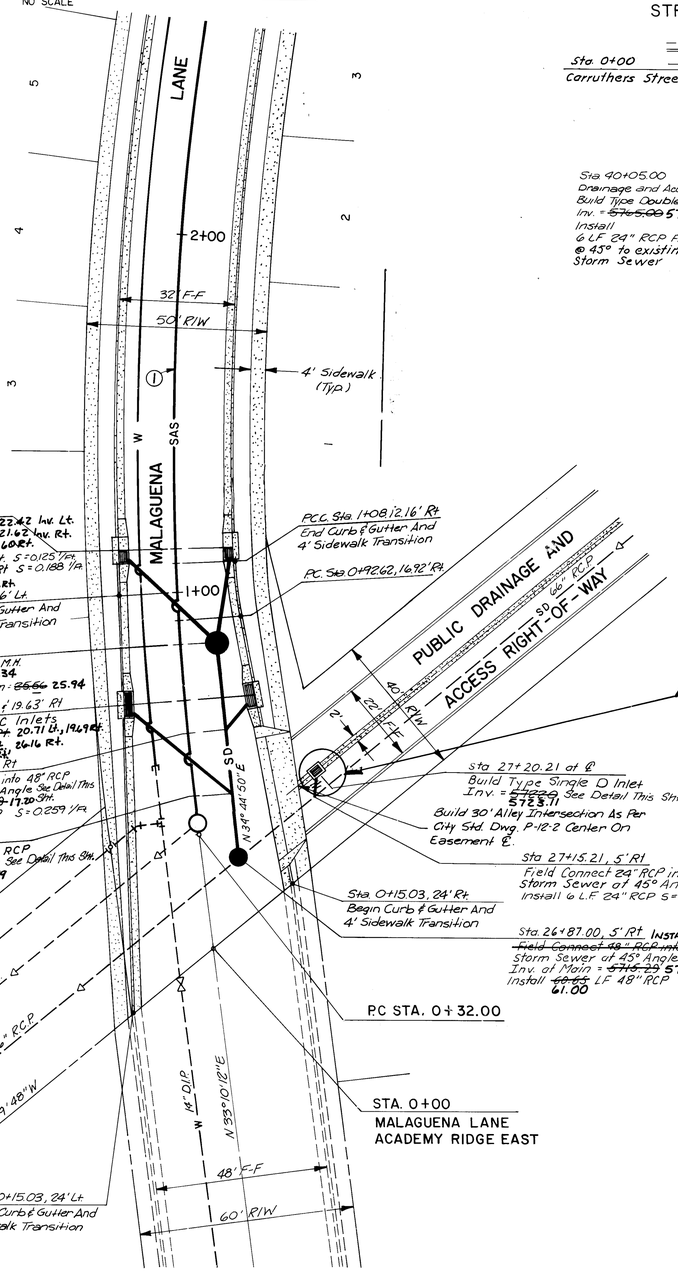


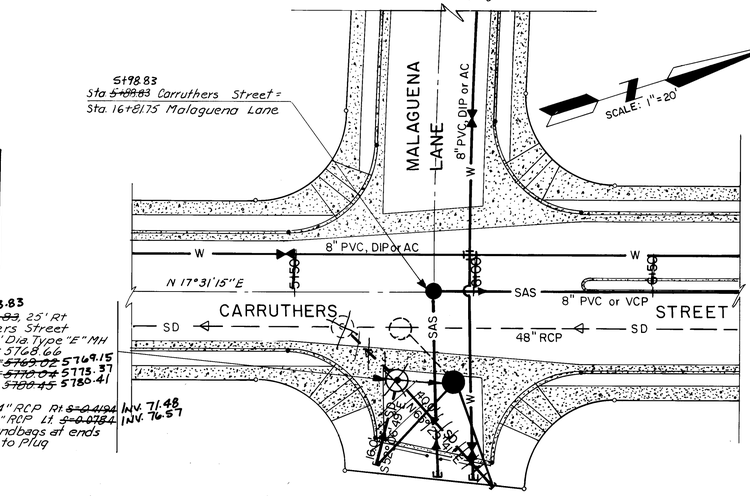


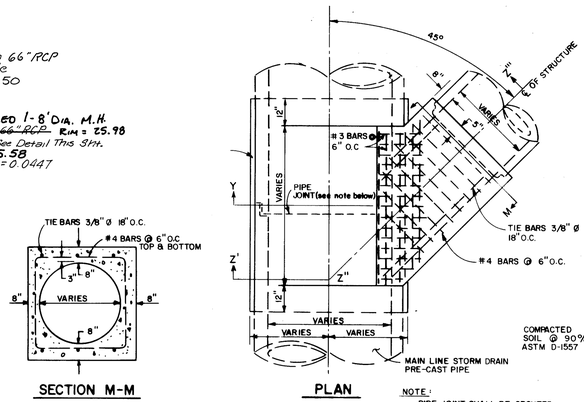
CURVE DATA

① Δ = 33°23'22"
R = 839.67'
L = 489.32'
T = 251.83'

② Δ = 8°49'17"
R = 100'
L = 15.40'
T = 7.71'







PIPE CONNECTION DETAIL

NO SCALE

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

SURVEY INFORMATION — FIELD NOTES BY: — DATE:

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR Kelly Lee DATE 2/1/85
WORK STAKED BY Kelly Lee DATE 4/1/85
INSPECTED BY ACCEPTANCE BY Paul Lucero DATE 4/1/85
FIELD VERIFICATION BY Paul Lucero DATE 4/1/85
DRAWINGS CORRECTED BY Paul Lucero DATE 4/1/85
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
2	9/9/85	ADDED SHT. 19 & REMAINING WORK	KLD
1	7/25/85	ADDED CURB & GUTTER	KLD
NO.	DATE	REMARKS	BY

DESIGNED BY KLD DATE 1/85
DRAWN BY JAJ DATE 2/85
CHECKED BY KLD DATE 5/85

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

William D. Faudt 12-31-85

RECORD DRAWINGS DATE 12/85

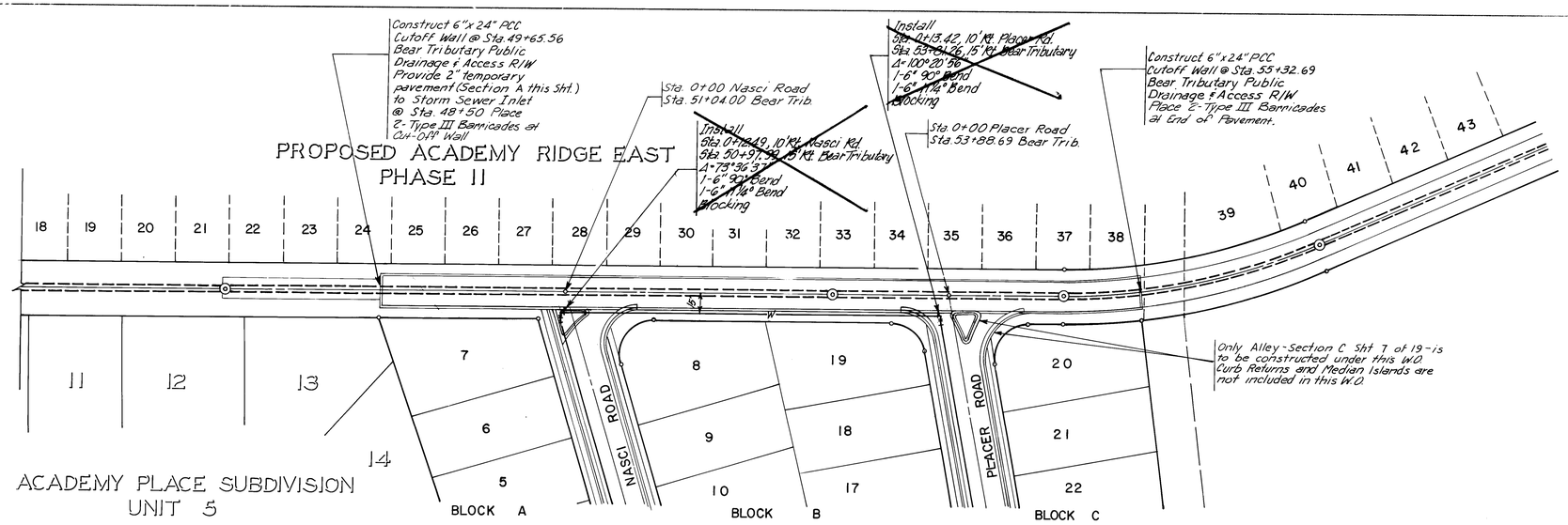
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

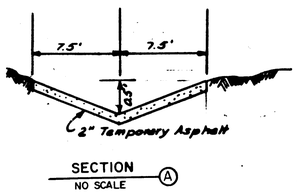
TITLE: ACADEMY RIDGE EAST PHASE I
MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	6/21/85	Liquid Waste	[illegible]	5/29/85
A C E - Design	[illegible]	6/17/85	Traffic	David D. Hannon	5/21/85
~~A C E~~ - Hydrology	[illegible]	5/29/85	Water	[illegible]	5/29/85

DRAWING NO. 2289 | MAP NO. E-21 | SHEET 18 OF 19

BRUNING 44-132-63374

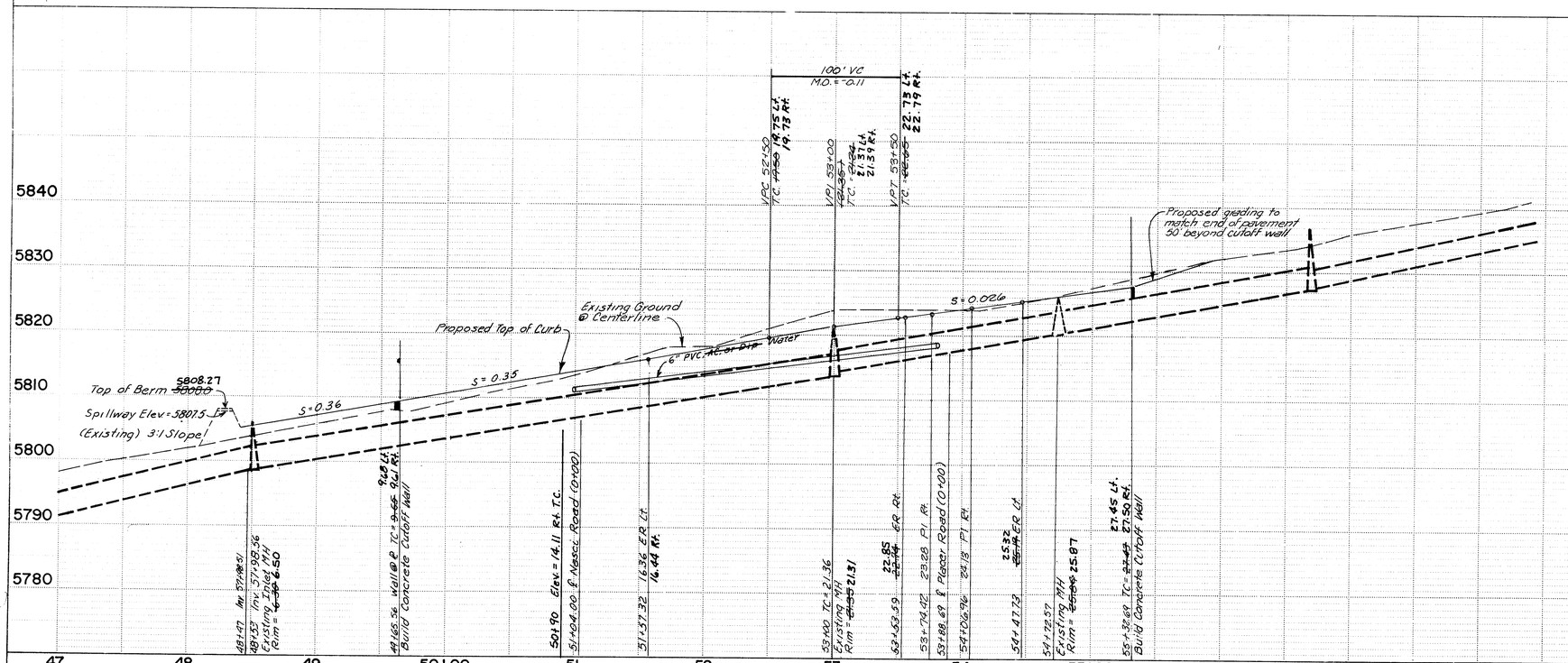




SECTION A
NO SCALE

THIS SHEET IS FOR PAVING IMPROVMENTS FOR THE BEAR TRIBTARY ONLY. PAVING FOR NASCI RD. & PLACER RD. & ALL WATER FACILITIES ARE NOT INCLUDED IN W.O. 2289. THIS WORK SHALL BE INCLUDED UNDER W.O. 2435.

PUBLIC DRAINAGE & ACCESS RIGHT-OF-WAY



SCALE HOR. 1"=50'
VER. 1"=10'

AS BUILT INFORMATION
ALTRA
AS-BUILT BY: Kelly Lee DATE 7/26
INSPECTED BY: Kelly Lee DATE 7/26
THE FOLLOWING BLOCK(S) WERE ADDED/REVISED BY AS-BUILT INFORMATION
CONTRACTOR: Wesson Paving
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO

BENCH MARKS
ACS BRASS CAP "6-E22" ELEV. 5934.53 LOCATION IS 1.2 MILES EAST OF THE INTERSECTION OF ACADEMY ROAD N.E. & EUBANK BLVD. N.E. STATION IS THEN 375' SOUTH ON THE SOUTH RIM OF BEAR CANYON TRIBUTARY.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

RECORD DRAWINGS
DATE 12/85

ENGINEER'S SEAL
5-23-85

REVISIONS
NO. DATE
1 9/85 ALLEY C.O. TO ACADEMY RIDGE EAST PHASE II BHT

DESIGN DESIGNED EY K.L.S DATE 5/85
REMARKS DRAWN BY L.D DATE 5/85
CHECKED BY K.L.D DATE 5/85

PAVING IMPROVEMENTS FOR 2435 WILL NOT BE ACCEPTED UNTIL THE PAVING & DRAINAGE IMPROVEMENTS FOR THE ALLEY ARE IN PLACE & ACCEPTED.

26 22841986

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: PROSPECTOR'S POINT SUBDIVISION
PUBLIC DRAINAGE & ACCESS R/W

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	Williams & Burke	5/29/85
A.C.E. - Design		7/3/85	Traffic	Dustin Herman	6/6/85
A.C.E. - Hydrology		6/5/85	Water	Williams & Burke	5/29/85

DRAWING NO. 2289 | MAP NO. E-22 | SHEET 19 OF 19

BRUNING 44-132-62236