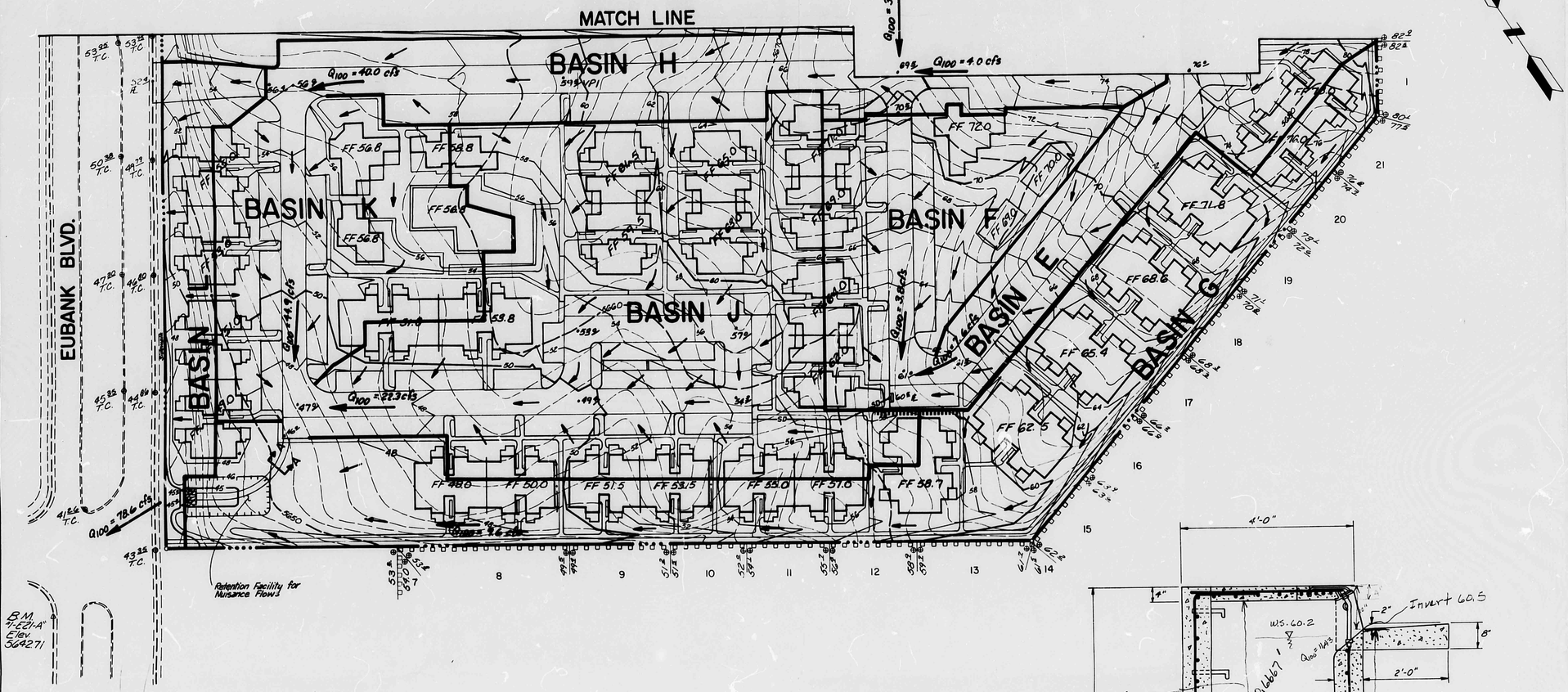
HYDROLOGY E21/D22 MOUNTAIN RUN APTS.

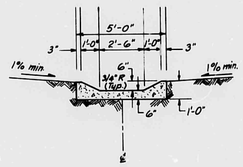
E21/D22

MOUNTAIN RUN

APARTMENTS

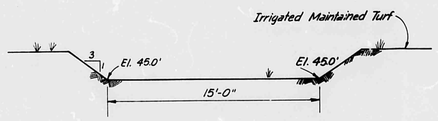
5 PLANS





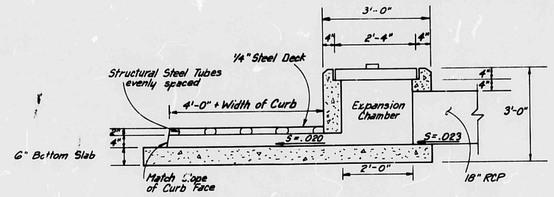
SECTION "A-A"-LOW-FLOW GUTTER

SCALE 1"=4'



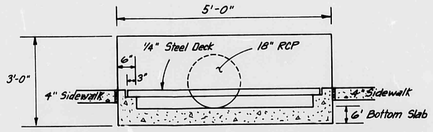
RETENTION FACILITY WEIR DETAIL

NO SCALE



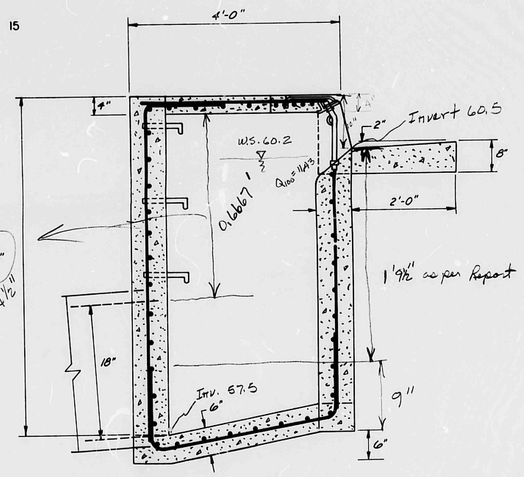
EXPANSION BOX OUTLET DETAIL - PROFILE VIEW

SCALE: 1"=2'



EXPANSION BOX OUTLET DETAIL - FRONT VIEW

SCALE: 1"=2'



CURB OPENING INLET DETAIL - PROFILE VIEW

NO SCALE

Rec'd 8/19/83

BENCH MARKS	
STATION IS A STANDARD A.C.S. BRASS TABLET STAMPED "I-E21-A". SET IN TOP OF THE WEST CURB ON EUBANK BLVD. STATION IS LOCATED APPROXIMATELY 380' NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE. ELEV. 5642.71	

AS-BUILT INFORMATION	
CONTRACTOR	
STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

SURVEY INFORMATION			
DATE	NO.	BY	

REFERENCES
MAP NO. E-21-Z, F-21-Z
EST. NO.
W.O. NO.

NO.	DATE	REMARKS	BY
REVISIONS			

DESIGN

DESIGNED BY KRJ, DMYM DATE 8/83

DRAWN BY UK DATE 8/83

CHECKED BY KRJ DATE 8/83

PREPARED UNDER THE DIRECTION OF

DAVID M. Y. MILLER — REGISTERED PROFESSIONAL ENGINEER — 8-19-83

PROJECT NUMBER

JOB NO. 31543

SCALE: 1"=50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

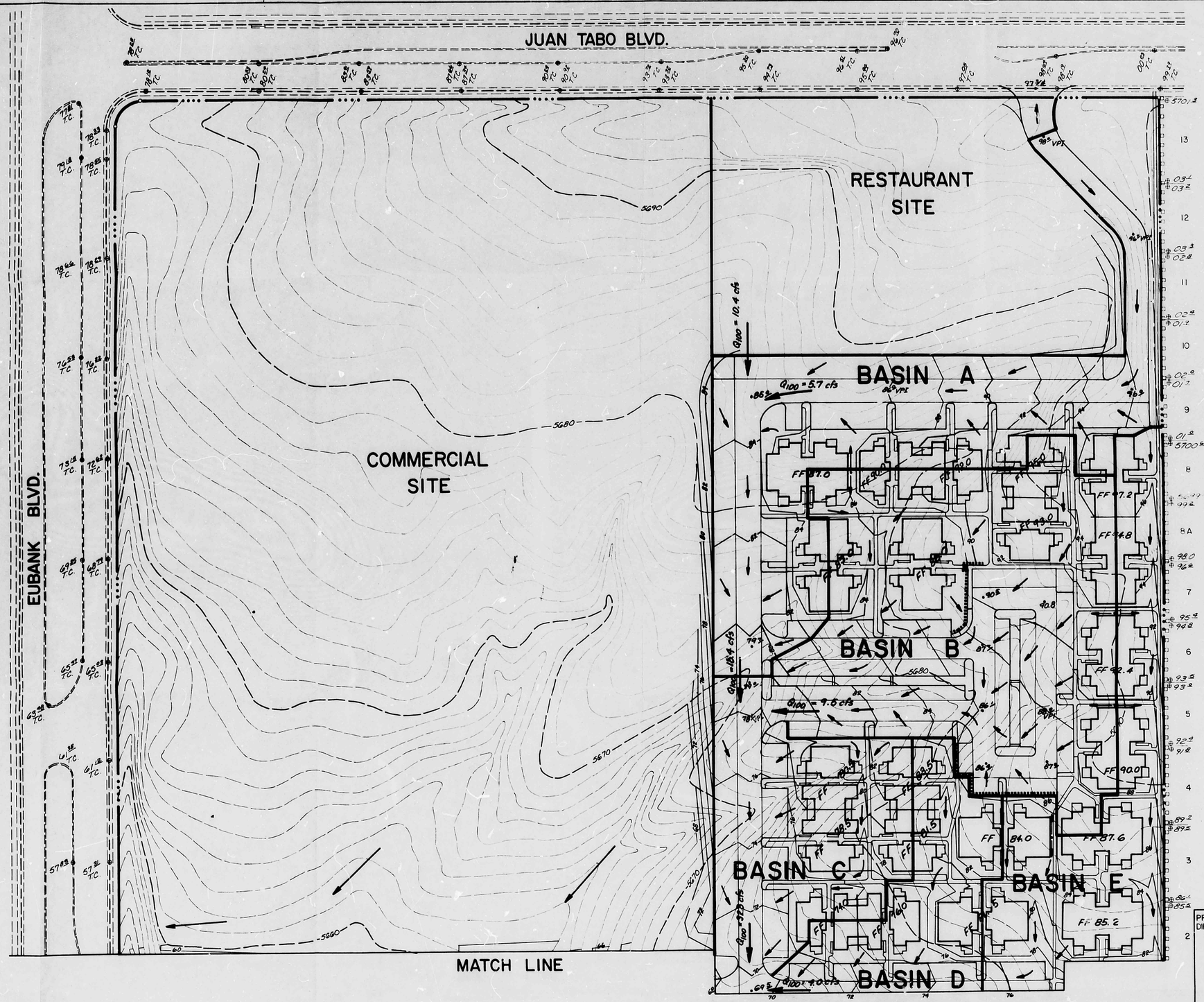
TITLE: MOUNTAIN RUN APARTMENTS
GRADING AND DRAINAGE PLAN

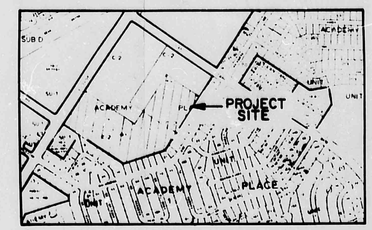
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

DRAWING NO.

PLATE 2

BRUNING 44.132 52753





VICINITY MAP
NO SCALE

Rec'd 8/19/83

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

BENCH MARKS

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SURVEY INFORMATION

NO.	BY	DATE

REFERENCES

MAP NO. E-21-Z, F-21-Z
EST NO. WO NO

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY KRJ, DMYM DATE 8/83
DRAWN BY UK DATE 8/83
CHECKED BY KRJ DATE 8/83

PREPARED UNDER THE DIRECTION OF

REGISTERED PROFESSIONAL ENGINEER

PROJECT NUMBER

JOB NO. 31543

SCALE 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

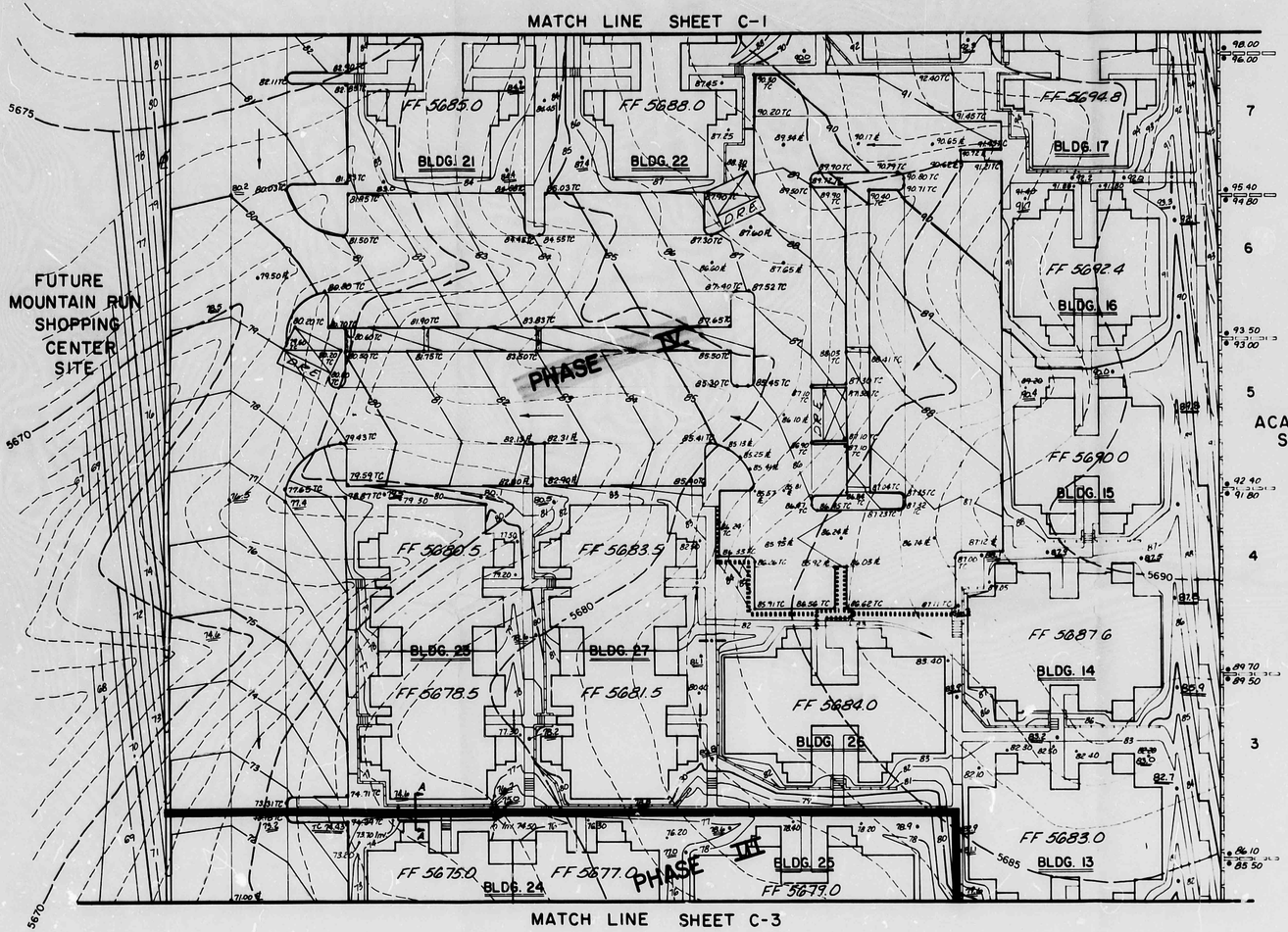
TITLE: MOUNTAIN RUN APARTMENTS
GRADING AND DRAINAGE PLAN

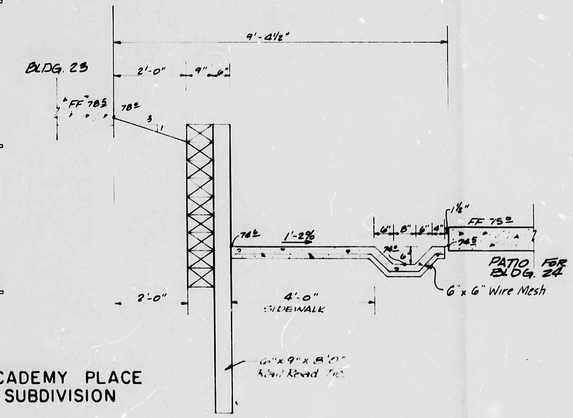
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

DRAWING NO.

PLATE I

BRUNING 44 132 52753

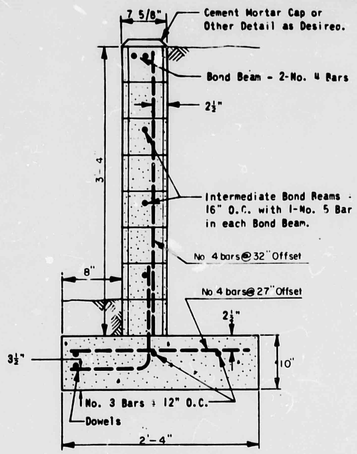




ACADEMY PLACE SUBDIVISION

DETAIL AT SECTION A-A

Scale 1" = 2'



CROSS SECTION

REINFORCED CONCRETE

AS-BUILT DRAWING

I, JAMES TOPMILLER P.E., CERTIFY THAT THE FOLLOWING PHASES HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH APPROVED DRAINAGE REPORT.

NOTE: AS-BUILT INFORMATION SHOWN WITH DOUBLE UNDERLINING.
AS-BUILT INFORMATION SHOWN ON THIS PLAN SUPPLIED BY SOUTHWEST SURVEYING COMPANY.

James L. Topmiller 11/17/85

PHASE III - 11-06-85 James L. Topmiller
PHASE IV - 11/26-85 James L. Topmiller

AS-BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

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ELEV. = 5642.71

SURVEY INFORMATION		
NO.	BY	

REFERENCES	
MAP NO. E-21-Z, F-21-Z	
EST. NO.	W.O. NO.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN		
DESIGNED BY	RJ	DATE 11/83
DRAWN BY	E	DATE 11/83
CHECKED BY	JWW & DMM	DATE 11/83

RECEIVED NOV 27 1985 DEVELOPMENT SECTION

PREPARED UNDER THE DIRECTION OF
Lewis H. McMurran 11-11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RUN APARTMENTS
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

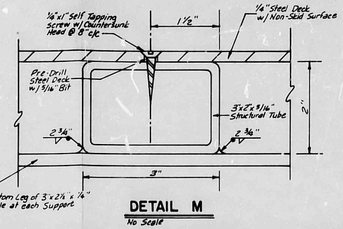
DRAWING NO. SHEET C-2

SCALE: 1" = 30'

E21/D22

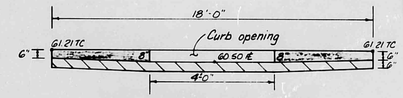
BRUNING 44.132 59583

NOTE: AS-BUILT INFORMATION SHOWN IN DOUBLE UNDERLINING



DETAIL M

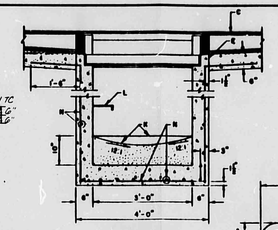
No Scale



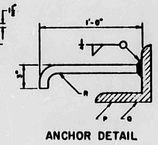
CURB OPENING INLET DETAIL
FRONT VIEW

Scale: 1" = 4'

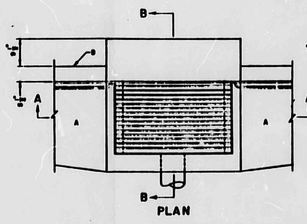
Note:
Transition Curb Height from 6" to 8" adjacent to curb opening inlet as shown above.



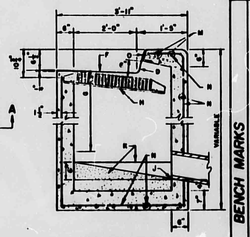
SECTION A-A



ANCHOR DETAIL



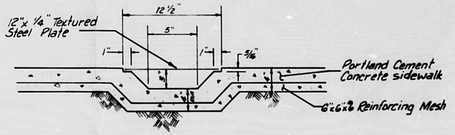
PLAN



SECTION B-B

TYPE 'C' INLET DETAILS

Per City of Albuquerque Standard Drawings K-4-2, K-7-1 & K-8-1



SIDEWALK DRAINWAY

GENERAL NOTES:

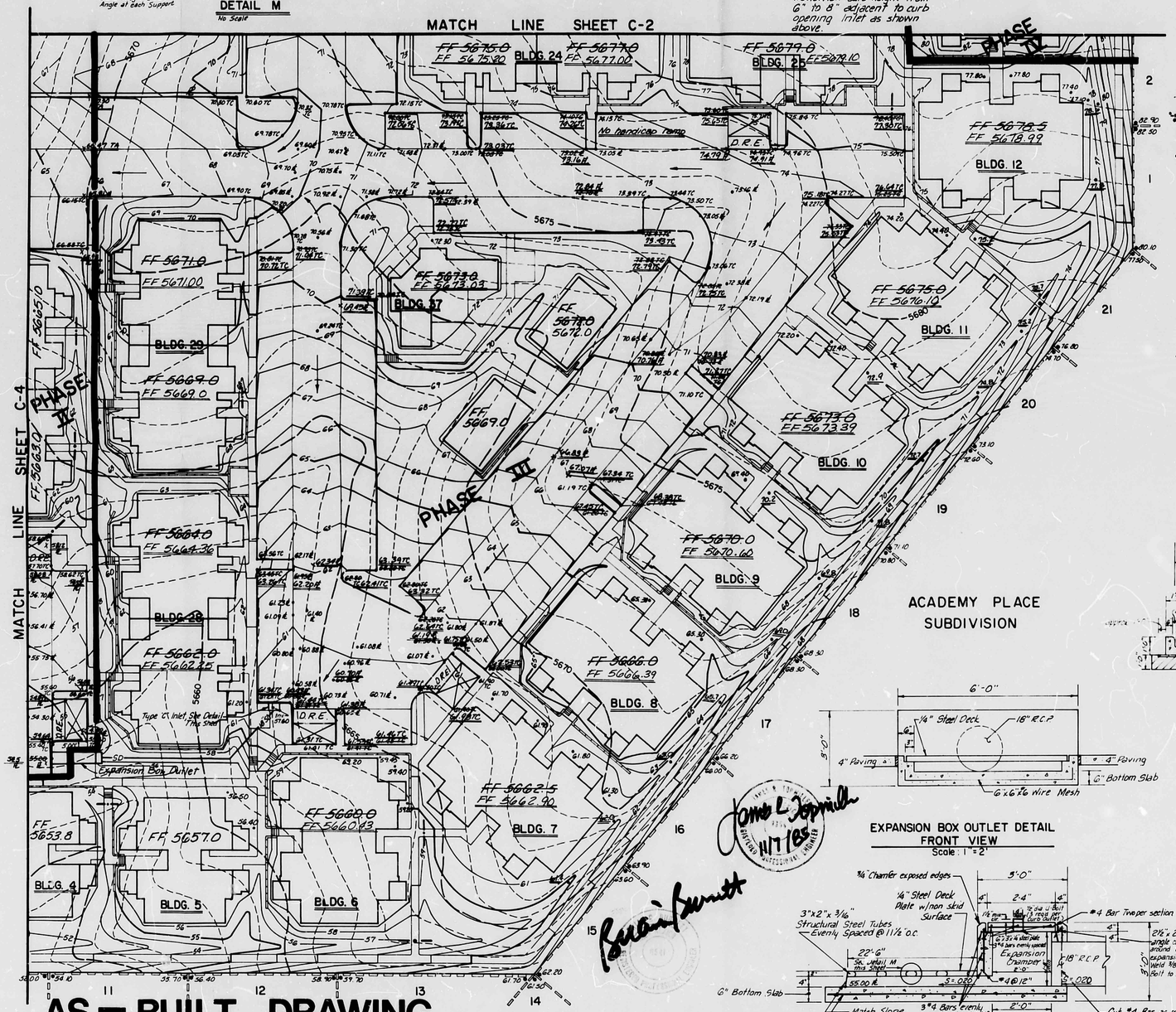
I. OUTLET PIPE SIZE PER DESIGN REQUIREMENT.

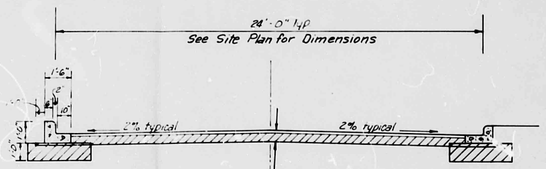
CONSTRUCTION NOTES:

A. FOR GUTTER TRANSITION, SEE DWG. K-7 CATCH BASIN LOCATION.
B. BACK OF CURB.
C. TOP OF CURB.
D. FLOWLINE.
E. CONSTRUCTION JOINT.
F. NORMAL GUTTER LINE.
G. 1'-10" MIN. UNESS OTHERWISE DIRECTED.
H. SEE DWG. K-6 FOR FRAME AND GRATING DETAILS.
J. INVERT PER DESIGN.
K. CONC. FILL, SEE NOTE E, DWG. K-1.
L. USE STD. CHANNEL STEPS. SEE DWG. K-10 FIRST STEP SHALL BE 16" FROM TOP OF GRATE AND SHALL PROTRUDE 7" SPACING AT 16" O.C. LAST STEP 16" MAX. FROM BOTTOM.
M. EXTEND NO. 4 REBARS 18" INTO CURB ON EACH SIDE OF CATCH BASIN.
N. NO 4 BARS AT 6" O.C EACH WAY.
O. SEE ANCHOR DETAIL, THIS DWG.
P. ∠ 3 1/2" x 3 1/2" x 1/4" x 4'-0" FOR SINGLE GRATE C CATCH BASIN.
Q. ∠ 3 1/2" x 3 1/2" x 1/4" x 7'-6" FOR DOUBLE GRATE C CATCH BASIN.
R. NO. 4 - 1'-9" ANCHOR AT 1'-9" O.C.

MATCH LINE SHEET C-2

MATCH LINE SHEET C-4





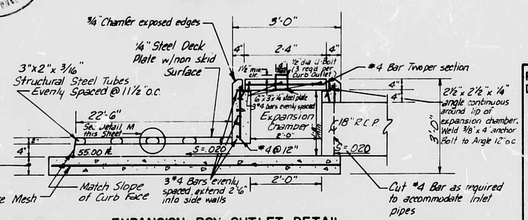
Note: Contours on Plan Indicate location of Normal Roadway crown and Warped Roadway Section

TYPICAL ROADWAY & PAVING SECTION

Scale: 1" = 4'

EXPANSION BOX OUTLET DETAIL
FRONT VIEW

Scale: 1" = 2'



EXPANSION BOX OUTLET DETAIL
PROFILE VIEW

Scale: 1" = 2'

AS — BUILT DRAWING

I BRIAN BURNETT P.E., CERTIFY THAT THE FOLLOWING PHASES HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH APPROVED DRAINAGE REPORT.

PHASE I - 11-16-84 11-16-84 BB
PHASE II - 2-28-85 2-28-85 BB
PHASE III - 11-06-85 James L. Topmiller
PHASE IV - 11-26-85 James L. Topmiller

I, JAMES TOPMILLER P.E., CERTIFY THAT THE FOLLOWING PHASES HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH APPROVED DRAINAGE REPORT.

NOTE:
AS BUILT INFORMATION SHOWN IN DOUBLE UNDERLINING.
AS-BUILT INFORMATION SHOWN ON THIS PLAN SUPPLIED BY SOUTHWEST SURVEYING COMPANY.

BRUNING 44 132 59583

AS-BUILT INFORMATION

CONTRACTOR	
STAKED BY	DATE
INSPECTORS	
FIELD VERIFICATION BY	DATE
FIELD VERIFICATION BY	DATE
CORRECTIONS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

STATION IS A STANDARD A.C.S. BRASS TABLET STAMPED "1-E21-A", SET IN TOP OF THE WEST CURB ON EUBANK BLVD. STATION IS LOCATED APPROXIMATELY 380' NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE.
ELEV. = 5642.71

SURVEY INFORMATION

NO.	BY

REFERENCES

MAP NO. E-21-Z, F-21-Z
EST. NO. W.O. NO.

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		
DESIGNED BY KRJ	DATE 11/83	
DRAWN BY PE	DATE 11/83	
CHECKED BY DWW, DMYM	DATE 11/83	

RECEIVED NOV 27 1985

PREPARED UNDER THE DIRECTION OF
Laurie Murphy 11-11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

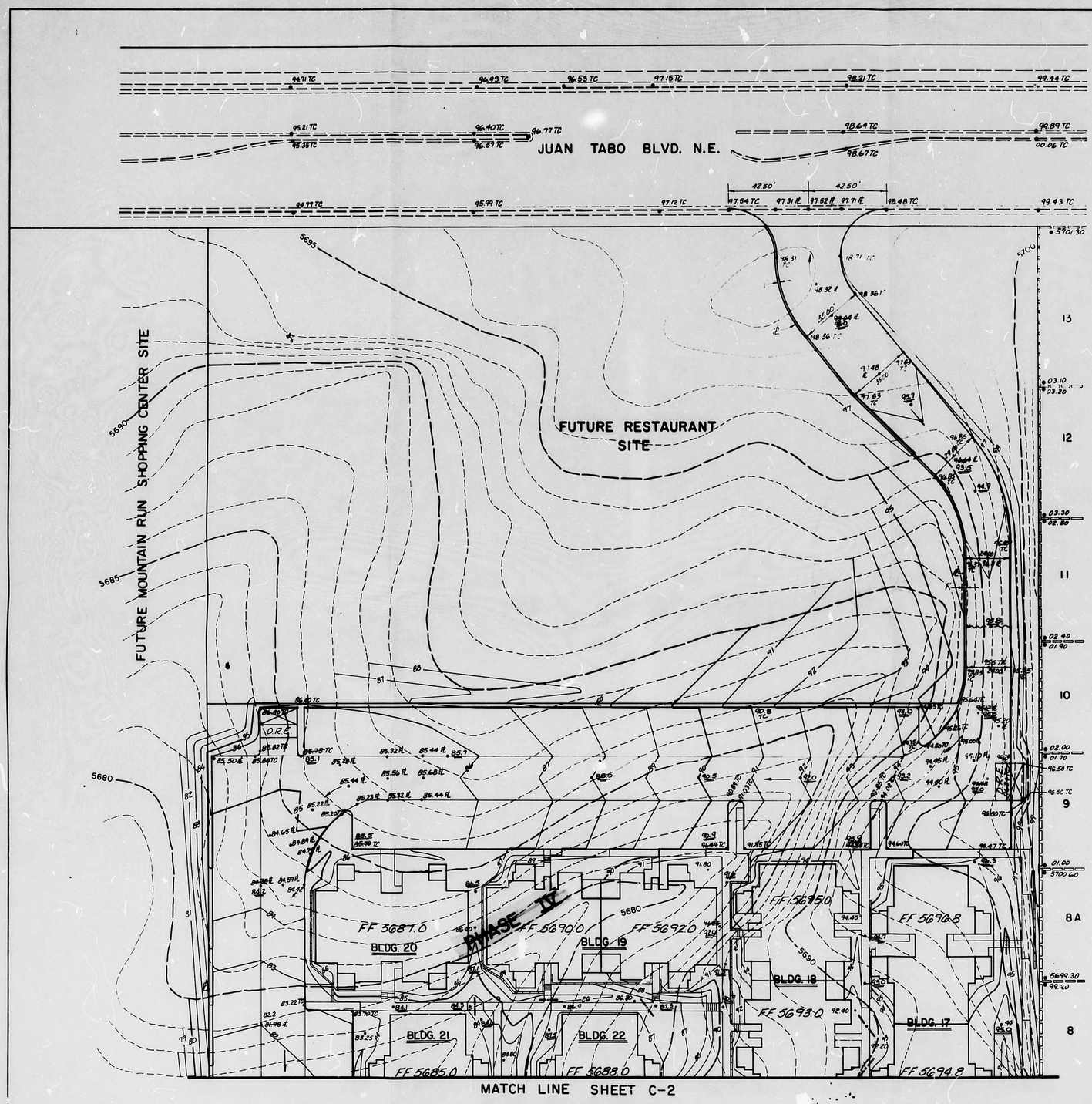
TITLE: MOUNTAIN RUN APARTMENTS
GRADING PLAN

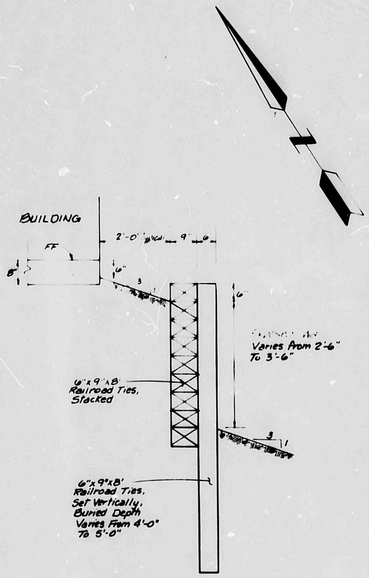
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

DRAWING NO. SHEET C-3

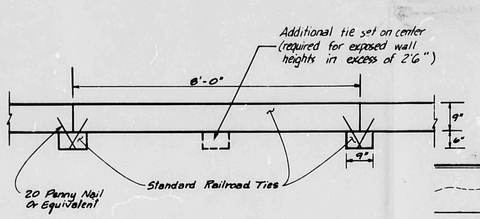
SCALE: 1" = 30'

E21/D22





TYPICAL RETAINING DETAIL
PROFILE VIEW
Scale: 1" = 2'



TYPICAL RETAINING DETAIL
PLAN VIEW
Scale: 1" = 2'

Notes

1. All areas upon which construction of the units will not begin within 90 days from the date rough grading is completed shall have wind-rows (w/average height of 4' and a minimum height 8') built parallel to the contours at 100' intervals.
2. Grading operations shall be performed in a manner which meets the current City, State & Federal dust control regulations.
3. All fill shall be compacted to a minimum of 90% of maximum density per ASTM D-1557.
4. Slopes shall not exceed 3:1 (horiz.:vert.)
5. Elevation tolerance on all areas ± 0.1. Except as specified by spot elevations.
6. Refer to Sheets C-6, C-7, C-8 & C-9 for utility locations prior to setting vertical retaining ties at ends of buildings.
7. No frozen material shall be placed in fill.
8. All material placed in fill shall have been excavated on this project or from an approved borrow area.
9. Material unsuitable for fill shall be removed from the site.
10. Prior to grading, the existing surface of areas to be graded shall be stripped of organic matter. These strippings may be placed in landscaping areas.
11. Median curb & gutter to be used throughout site per City Standard Drwg. P-8-3 (see typical roadway section detail, sheet C-3).

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- 92.37 EXISTING SPOT ELEVATIONS
- 95.48 PROPOSED SPOT ELEVATIONS
- TC, FL TOP OF CURB, FLOWLINE
- EXISTING BLOCK WALL
- PROPOSED BLOCK WALL
- PROPOSED RETAINING WALL
- PROPOSED STAIRWAY
- SIDEWALK DRAINWAY
- TRASH ENCLOSURE (S.R.E.-Single, D.R.E.-Double)
- PARKING AREA CURB CUT
- EXISTING WIRE FENCE

RECEIVED
NOV 27 1985
HYDROLOGY SECTION

AS-BUILT DRAWING

I, JAMES TOPMILLER, P.E., CERTIFY THAT THE FOLLOWING PHASE HAS BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH APPROVED DRAINAGE REPORT.

PHASE IV - 11-27-85 James R. Topmiller

JAMES R. TOPMILLER 8354 REGISTERED PROFESSIONAL ENGINEER

NOTE: AS-BUILT INFORMATION SHOWN WITH DOUBLE UNDERLINING.

AS-BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
AS-BUILTS REVIEWED BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

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ELEV. = 5642.71

SURVEY INFORMATION		
NO.	BY	DATE

REFERENCES	
MAP NO. E-21-Z, F-21-Z	
EST. NO.	W.O. NO.

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY KRJ DATE 11/83
DRAWN BY PE DATE 11/83
CHECKED BY DWW & DMY DATE 11/83

PREPARED UNDER THE DIRECTION OF
Earl W. Phillips
11-11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RUN APARTMENTS
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

SCALE: 1" = 30'

DRAWING NO. SHEET C-1

E21/D22

BRUN.NC 44:132 29583