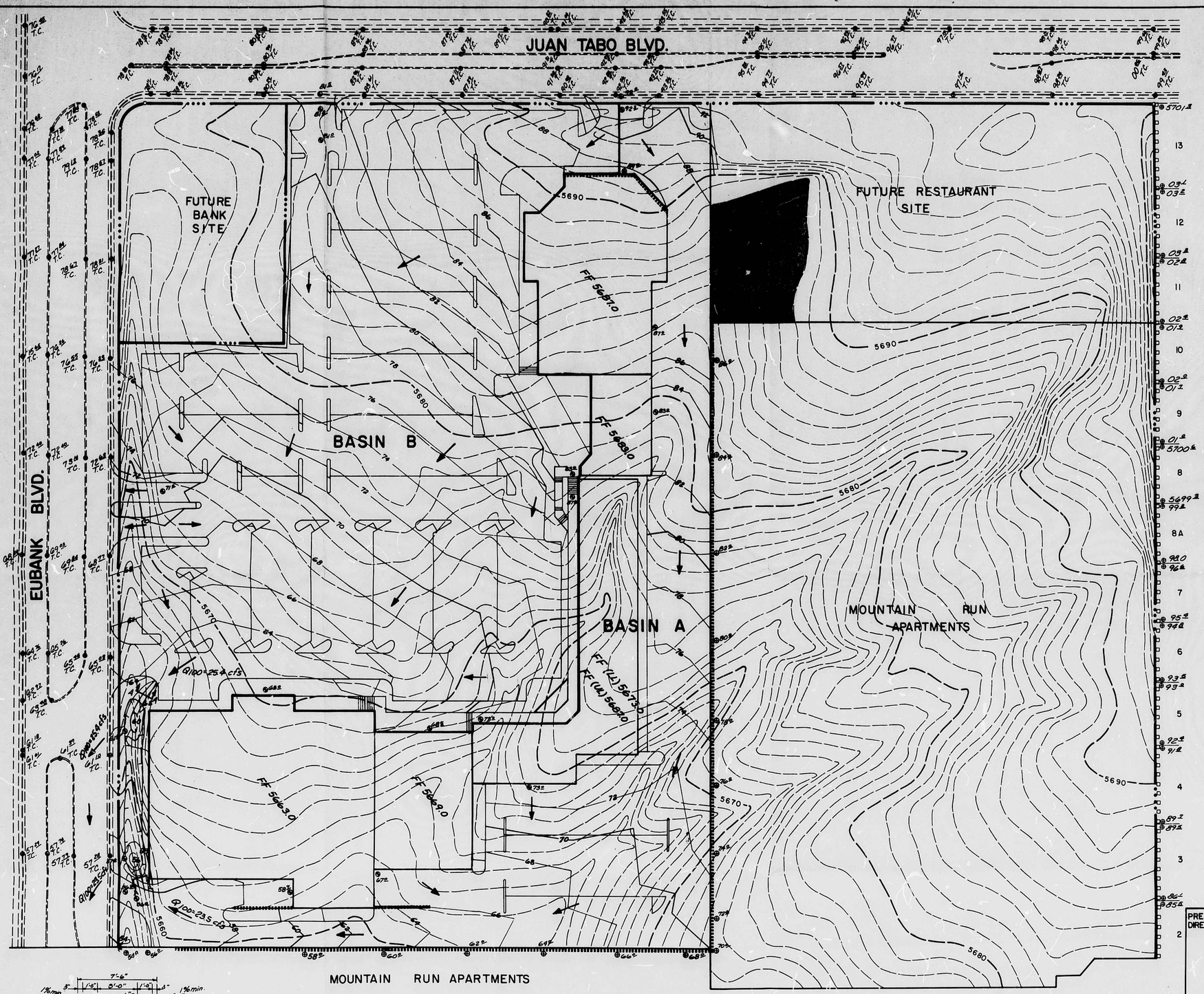
HYDROLOGY E21/D23 MOUNTAIN RUN SHOPPING CENTER

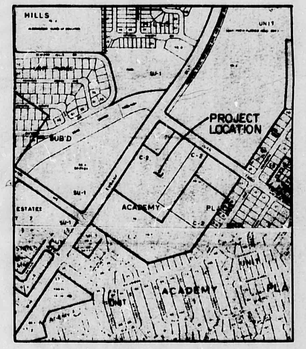
E21-D23

MOUNTAIN RUN

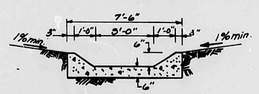
SHOPPING CENTER

3 PLANS





VICINITY MAP
NO SCALE



CONCRETE RUNDOWN—SECTION A-A
NO SCALE

LEGEND

- RETAINING WALL (PROPOSED)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- FLOW DIRECTION

AS-BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S FIELD TOPOGRAPHIC BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS 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	DATE

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

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

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

PREPARED UNDER THE DIRECTION OF

DAVID M. T. MILLER
NEW MEXICO
9-1-83
REGISTERED PROFESSIONAL ENGINEER

JOB NO. 31860
SCALE: 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

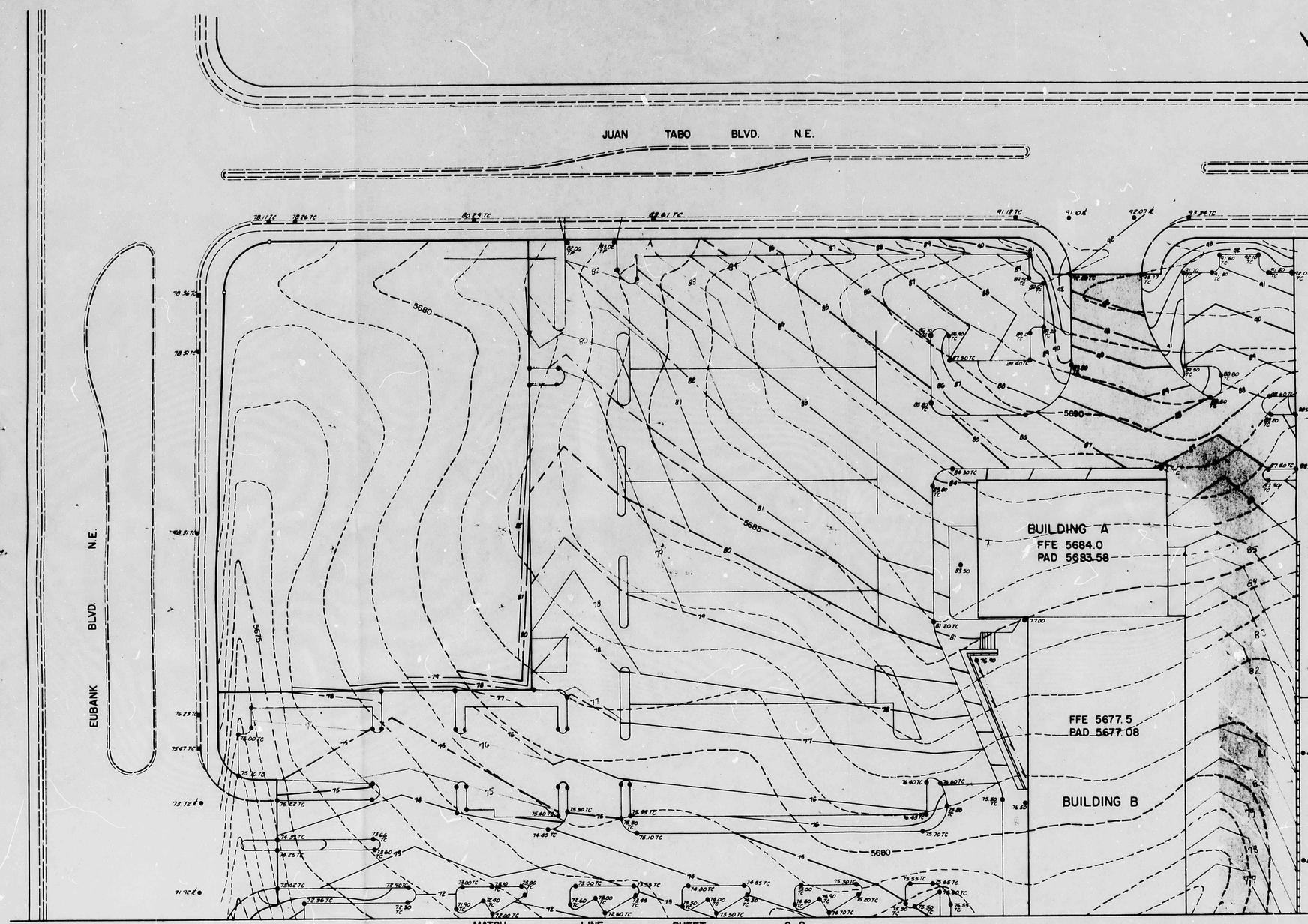
TITLE: MOUNTAIN RUN SHOPPING CENTER GRADING AND DRAINAGE PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

DRAWING NO.

PLATE I

BRINKING 44-132 52753



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- TC, FL, TP — TOP OF CURB, FLOWLINE, TOP OF PAVEMENT
- PROPOSED BLOCK RETAINING WALL
- PROPOSED RAILROAD TIE WALL
- PARKING AREA CURB CUT
- DRAINAGE SWALE
- AREA REQUIRING CEMENT TREATED BASE COURSE

PAVING NOTES

15 Header curb to be used throughout site per City Std. Dwng. P-8-3.

16 Pavement subgrade should be scarified, moistened to optimum moisture content (+2%) and compacted using a heavy vibratory roller to a minimum of 95% of the maximum Proctor density as determined by ASTM D-1557.

17 Pavement in the parking areas should be 2 inches of asphalt surface course over 6 inches of compacted subgrade.

18 Pavement in driveways and loading/unloading docks should be 2 inches of asphalt surface course over 6" of cement treated base course and 6 inches compacted subgrade. These areas are indicated as shaded.

NOTES: GRADING PLAN (NOT PART OF THIS CONTRACT)

1 The Owner will contract with a Soils Engineer licensed in the State of New Mexico. The Soils Engineer shall be the owner's representative to control the Fill operations. The Soils Engineer shall approve the material, the method of placing and compaction, and shall give written approval of the completed fill after having taken sufficient tests to assure compliance with the specifications.

2. Prior to the placement of site fill, and subsequent to final grading in cut sections, the natural ground shall be scarified brought to optimum moisture content (+2%) for as deep as practicable and compacted to a minimum of 95% of maximum density as determined by ASTM D-1557. Vegetation and Topsoil shall be removed before preparation of natural ground.

3. No brush, sod, frozen material or other perishable or unsuitable material shall be placed in the fill. Distribution of material shall be such as to avoid lenses differing substantially from the surrounding material. The materials shall be delivered to the fill in such a manner as to result in a well and uniformly compacted fill. Before compacting, the fill material shall be spread in approx. horizontal layers not greater than 8 inches thick.

4. Fill material under foundations and within 5 feet of slabs shall be gravel, sand, silt or clay mixtures which have a plasticity index not greater than 6 and a liquid limit not greater than 25. Material larger than 6" shall not be placed in the fill, and material larger than 4" shall not be placed within 1' of the bearing surfaces of slabs or foundations. Material shall be approved by the Soils Engineer.

5. The material while being compacted, shall contain the optimum moisture for compaction distributed uniformly throughout the layers. The contractor shall be required to add moisture to the material in the excavation if, in the opinion of the Soils Engineer, it is not possible to obtain proper and uniform moisture by adding water on the fill surface.

6. When the moisture content and condition of each individual layer is satisfactory, it shall be compacted by methods approved by the Soils Engineer. A proctor test will be performed on each typical Fill material and frequent density tests of the fill shall be taken.

7. When compacting cohesionless free-draining materials such as sands and gravels, the material shall be deposited in layers and compacted by treads of a crawler-type tractor, surface or internal vibrators, smooth or pneumatic rollers, hand or power tampers or by any other means approved by the Soils Engineer. The thickness of the horizontal layers after compaction shall not exceed 6" compacted thickness if compaction is performed by tractor treads, surface vibrator or similiar equipment, or not more than the penetrating length of the vibrator head if compaction is performed by internal vibrators.

8. Should the use of vibratory compaction techniques pose a threat to the structural integrity of surrounding structures, a heavy static roller may be used.

9. Grading operations shall be performed in a manner which meets all current City, State and Federal dust control regulations.

10. All fill shall be compacted to a min. of 90% of max. density per ASTM D-1557.

11. Material unsuitable for fill shall be removed from the site.

12. The pads for buildings A-C shall be over excavated a depth of 1 foot and brought up to the pad elevation at 95% compaction and ± 2% optimum moisture content.

13. The pad for Building D shall be over excavated to the Elev. 5663.5 interior to the building and according to section A-A around its perimeter then brought up to the pad elev. at 95% compaction at ± 2% optimum moisture content.

14. All building pad subgrade preparation shall extend to 5' beyond the limits of the buildings.

Job No. 31861
SCALE: 1" = 30'

PREPARED UNDER THE DIRECTION OF: Brian J. Burnett 2-27-84
APPROVED FOR ROUGH GRADING
CITY ENGINEER — DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **MOUNTAIN RUN SHOPPING CENTER**
GRADING PLAN
(NORTH PORTION)

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

DRAWING NO. FINAL 3/15/84 — SHEET C-1

E21/D23

4-12-84 Rev. 9-14-83

AS-BUILT INFORMATION
CONTRACTOR — DATE
TOPOGRAPHY PREPARED BY — DATE
AS-BUILT CHANGES BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

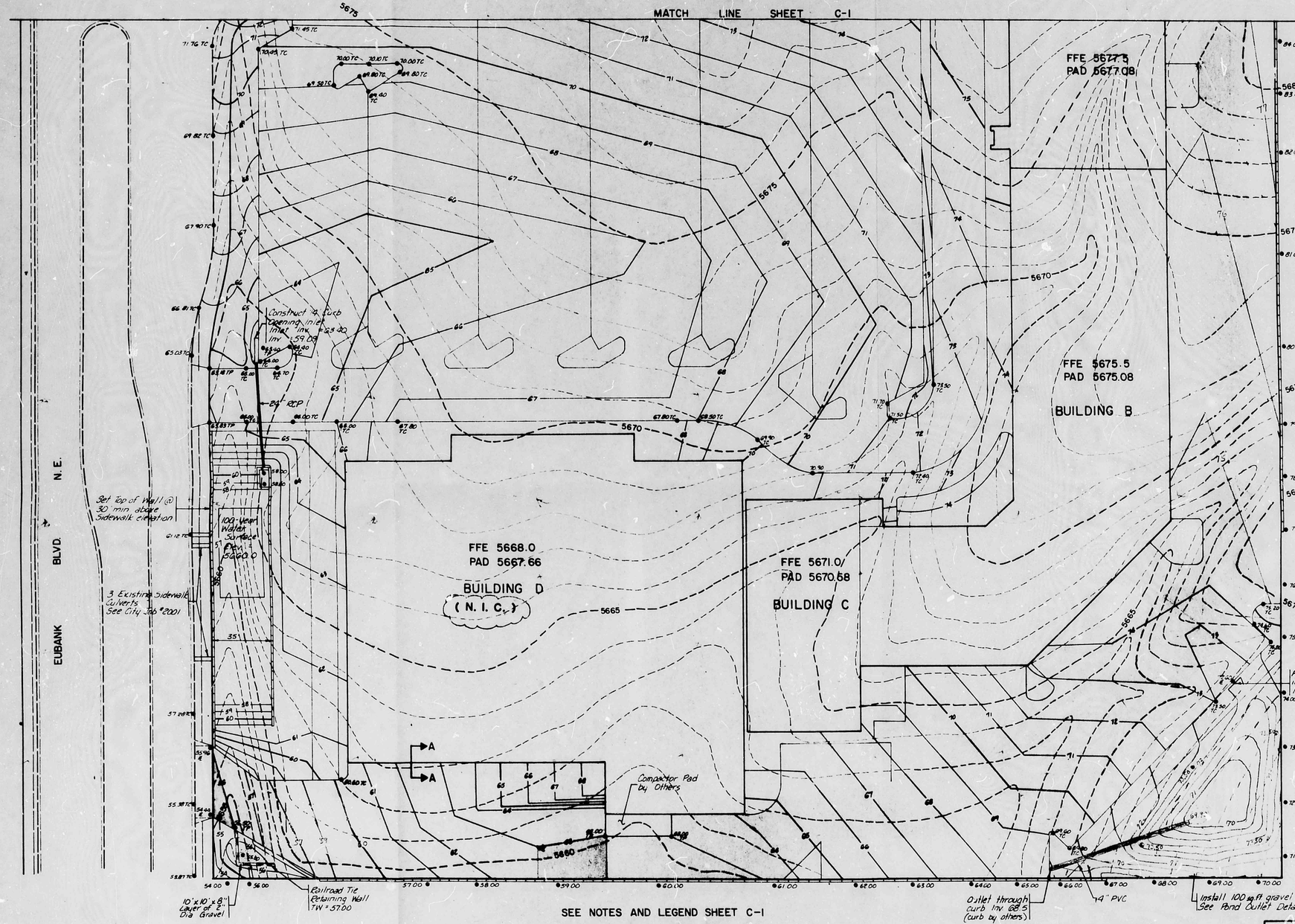
BENCH MARKS
STATION IS A STANDARD A.C.S. BRASS TABLET STAMPED "1-E21-A", SET IN TOP OF THE WEST CURB ON EUBANK BLVD. STATION IS LOCATED APPROXIMATELY 360 FEET NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE.
ELEV. 5642.71

SURVEY INFORMATION
NO. BY DATE

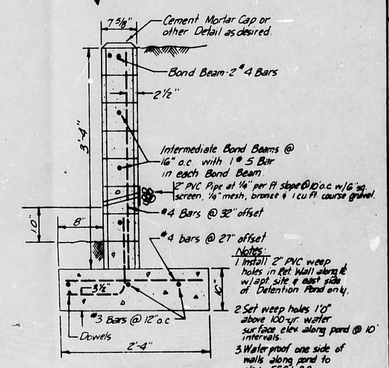
REFERENCES
MAP NO. E-21
EST. NO. W.O. NO.

REVISIONS
NO. DATE BY REMARKS

DESIGNED BY DWW DATE 2/84
DRAWN BY PE DATE 2/84
CHECKED BY DWW DATE 2/84

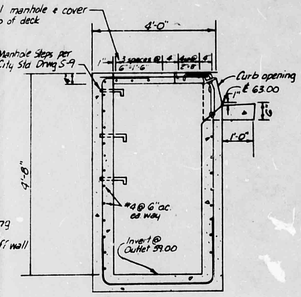


SEE NOTES AND LEGEND SHEET C-1



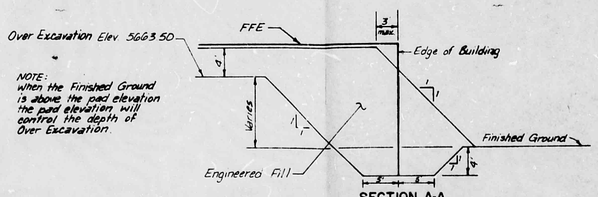
Notes:
1. Install 2" PVC weep holes in Ret. Wall along the w/lot site & east side of Detention Pond only.
2. Set weep holes 1'0" above 100-yr. water surface elev along pond @ 10' intervals.
3. Waterproof one side of walls along pond to elev. 5661.00.

CROSS SECTION
MASONRY BLOCK
RETAINING WALL



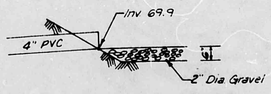
PROFILE VIEW
CURB OPENING INLET DETAIL

1. Grout Invert to slope to Outlet Pipe at ¼" per 1F.
2. Outlet pipe to be installed in center of south end of inlet.
3. Transition from 8" Inlet height to 6" curb height within 5' of each side of inlet.



NOTE:
When the Finished Ground is above the pad elevation the pad elevation will control the depth of Over Excavation.

SECTION A-A
BUILDING 'D' OVER EXCAVATION DETAIL
1" = 10'



POND OUTLET DETAIL

Job No. 31861
SCALE: 1" = 30'

PREPARED UNDER THE DIRECTION OF
Brian D. Burnett 2-21-84

APPROVED FOR ROUGH GRADING
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: MOUNTAIN RUN SHOPPING CENTER
GRADING PLAN
(SOUTH PORTION)

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

DRAWING NO. FINAL 3/15/84
SHEET C-2

E21/D23
4-12-84

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

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 FEET NORTHEAST OF THE CENTERLINE OF MALAGUENA LANE.
ELEV. 5642.71

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

NO.	DATE	REVISIONS	BY
1, 2	11/1955	1 - Trace from Mark III Cadastral Map E-21 2 - Trace from K-14 & Plat of Blk. 19	
3, 4	11/1955	3 - Trace from Cadastral Map E-21 4 - Field Check & Add Topo	

REVISIONS

DESIGNED BY	DWW	DATE 2/84
DRAWN BY	PE	DATE 2/84
CHECKED BY	DWW	DATE 2/84

NOTE: FOUR REVISIONS MADE REFLECT CITY ACCURACY REQUESTS & CALCULATION VARIANCES

DRAWING 44 132 52563