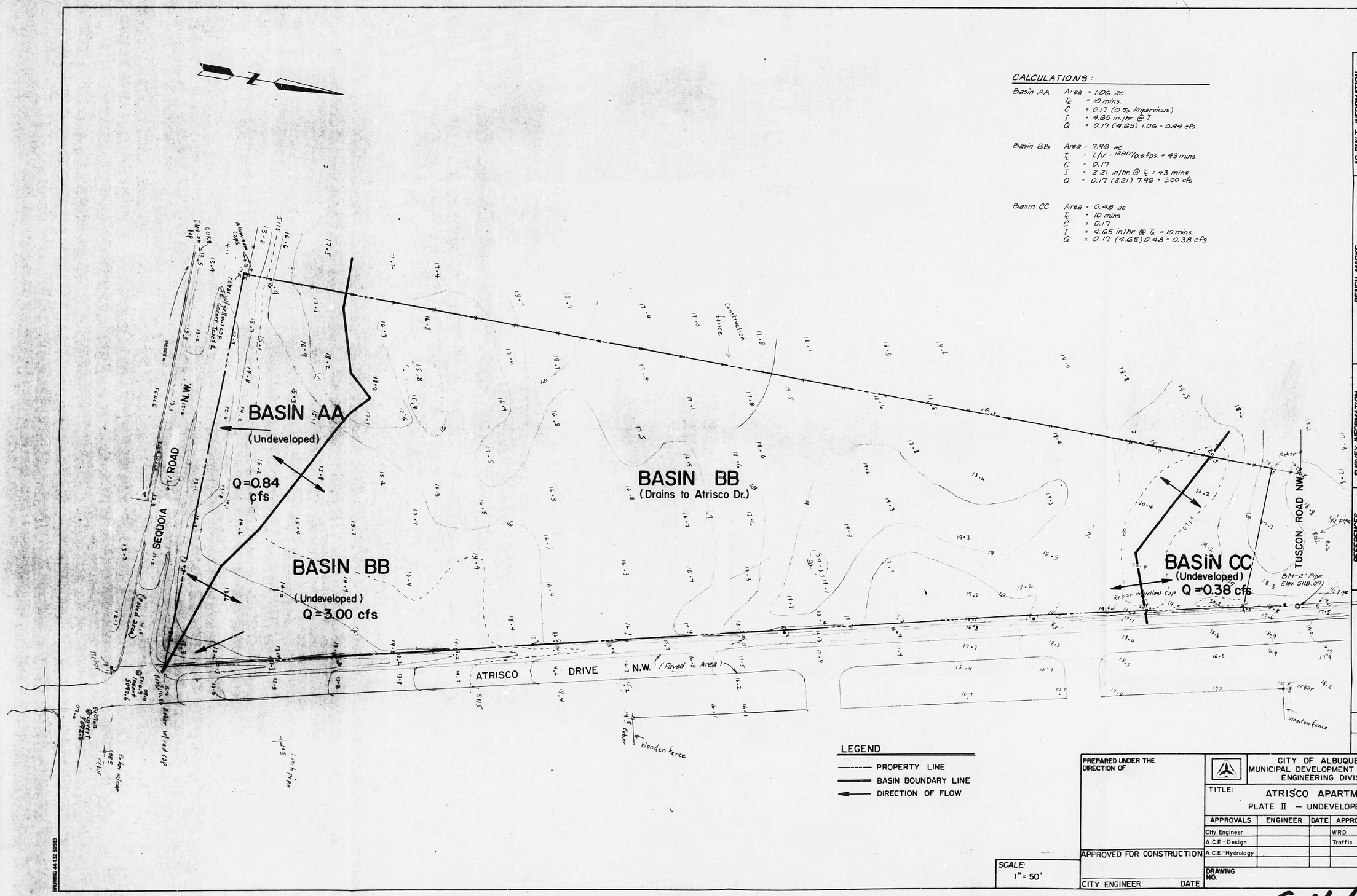
HYDROLOGY

G11/D24
TWO PLANS

G11-D24

2 PLANS



CALCULATIONS:

Basin AA
- Area = 1.06 ac
- T_c = 10 mins.
- C = 0.17 (0% Impervious)
- I = 4.65 in./hr. @ T
- Q = 0.17 (4.65) 1.06 = 0.84 cfs

Basin BB
- Area = 7.96 ac
- T_c = L/V = 1280'/0.5 fps. = 43 mins.
- C = 0.17
- I = 2.21 in/hr. @ T_c = 43 mins.
- Q = 0.17 (2.21) 7.96 = 3.00 cfs

Basin CC
- Area = 0.48 ac
- T_c = 10 mins.
- C = 0.17
- I = 4.65 in/hr @ T_c = 10 mins.
- Q = 0.17 (4.65) 0.48 = 0.38 cfs

BENCH MARKS

TOP OF 2 INCH PIPE ON THE ATRISCO DRIVE WEST R.O.W. APPROXIMATELY 90 FEET NORTH OF THE NORTHEAST PROPERTY CORNER OF THE SITE. ELEV. = 5118.07
CITY B.M. 5-G 11.

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.

SURVEY INFORMATION

NO.	BY	DATE

REFERENCES

MAP NO. G-11 | W.O. NO.
EST. NO.

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER — DATE

SCALE: 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

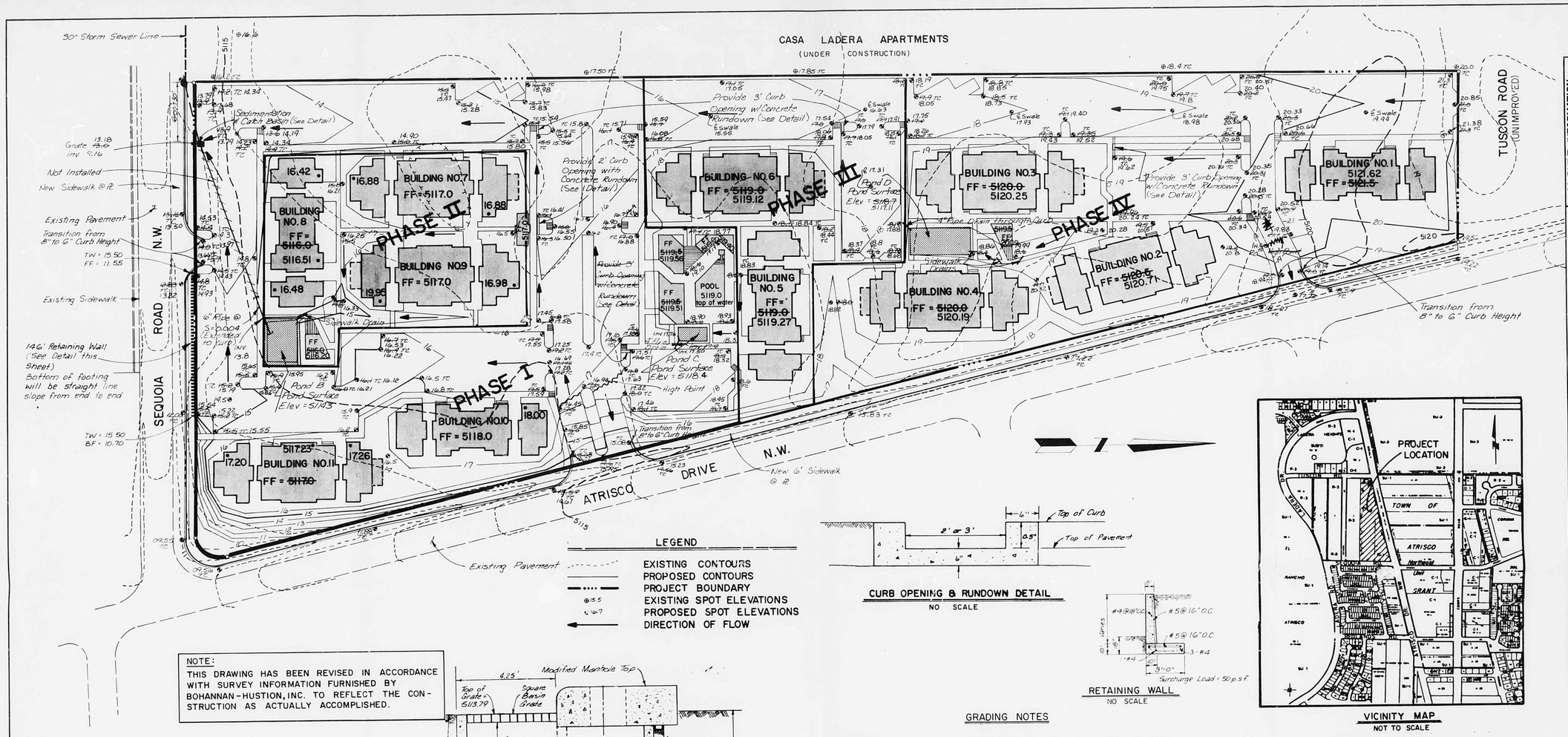
TITLE: ATRISCO APARTMENTS
PLATE II — UNDEVELOPED BASINS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			W.R.D.		
A.C.E.–Design			Traffic		
A.C.E.–Hydrology					

DRAWING NO. — SHEET — OF

G11/D24

BRUNING 44-132 50583



LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROJECT BOUNDARY
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATIONS
- DIRECTION OF FLOW

CURB OPENING & RUNDOWN DETAIL
NO SCALE

RETAINING WALL
NO SCALE

VICINITY MAP
NOT TO SCALE

NOTE:
THIS DRAWING HAS BEEN REVISED IN ACCORDANCE WITH SURVEY INFORMATION FURNISHED BY BOHANNAN-HUSTION, INC. TO REFLECT THE CONSTRUCTION AS ACTUALLY ACCOMPLISHED.

I, JAMES TOPMILLER, P.E., CERTIFY THAT THE AS-BUILT INFORMATION SHOWN ON THIS SHEET FOR THE FOLLOWING PHASE(S) IS IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

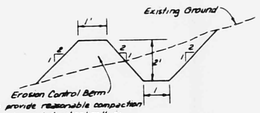
1) PHASE I - James Topmiller
2) PHASE II - James Topmiller
3) PHASE III - James Topmiller
4) PHASE IV - James Topmiller

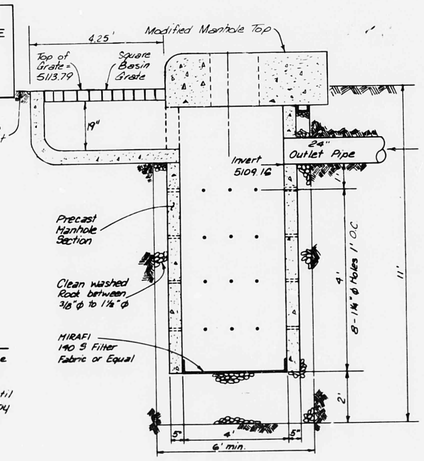
James E. Topmiller 10/23/86

NOTE: AREA DRAINING TO ATRISCO DRIVE SHALL BE LANDSCAPED TO PREVENT EROSION. IRRIGATION SYSTEMS ADJACENT TO ATRISCO DRIVE SHALL BE CONSTRUCTED TO PREVENT TRICKLE FLOWS TO STREET RIGHT-OF-WAY.

EROSION CONTROL PLAN

A berm with the dimensions shown below shall be built along the East and South Boundaries (Atrisco Dr. and Sequoia Rd respectively) and maintained during all phases of construction until the completion and acceptance of the project by the City.





SEDIMENT BASIN SECTION
NO SCALE

GRADING NOTES

1. ALL FINISH CONTOURS SHOWN INDICATE THE FINAL GROUND ELEVATION. CONTOURS IN ROADWAYS INDICATE TOP OF PAVEMENT ELEVATION.
2. ALL STREETS & PARKING AREAS SHALL BE GRADED 0.2' BELOW THE ELEVATIONS SHOWN.
3. SUBGRADE TOLERANCE ON BUILDING PADS SHALL BE ±0.1'.
4. SUBGRADE TOLERANCE ON AREAS WITHIN STREETS AND PARKING AREAS SHALL BE ±0.3'.
5. THE TOLERANCE FOR FINISHED GRADES IN THE SWALE AREAS IS ±0.1'.
6. THE TOP 6" OF FILL BENEATH BUILDINGS AND GARAGES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY (PER ASTM D-1557). ALL OTHER AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY.
7. NO SLOPES SHALL EXCEED 3:1 (HORIZONTAL:VERTICAL).
8. NO FROZEN MATERIAL SHALL BE PLACED IN FILL.
9. ALL MATERIAL PLACED IN FILL SHALL HAVE BEEN EXCAVATED ON THIS PROJECT OR FROM DESIGNATED BORROW AREAS.
10. MATERIAL UNSUITABLE FOR FILL SHALL BE REMOVED FROM THE SITE.
11. PRIOR TO GRADING, THE EXISTING SURFACE SHALL BE STRIPPED OF ORGANIC MATTER. THESE STRIPPINGS MAY BE USED FOR SURFACING LANDSCAPED AREAS ONLY.
12. ALL PADS SHALL BE GRADED TO 3' BEYOND SPECIFIED FINISHED HORIZONTAL DIMENSIONS.
13. COPIES OF THE SOILS REPORT FOR THIS PROPERTY MAY BE OBTAINED FROM FOX & ASSOCIATES, 3412 BRYN MAWR, N.E., ALBUQUERQUE, NEW MEXICO 87107.
14. GRADING OPERATIONS SHALL BE PERFORMED IN A MANNER WHICH MEETS ALL CURRENT CITY, STATE, AND FEDERAL DUST CONTROL REGULATIONS.
15. STREET SIDEWALK AND STORM SEWER TO BE CONSTRUCTED UNDER PROJECT NUMBER 2181.

PHASING SCHEME

The Atrisco Apartment complex shall be phased in 4 segments as shown. At the completion of the first phase, an Engineers certification shall be prepared in compliance with Chapter 22.7 of the Development Process Manual. The City Hydrology Department shall then review the material and if approved shall issue certificates of Occupancy for all units contained with the phasing boundary. The remaining 3 phases shall be handled in a similar manner.

RECEIVED OCT 23 1985 HYDROLOGY SECTION

APPROVED Billy J. Goolsby DATE 11/14/84
TITLE C.E. Hydrology

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

BENCH MARKS
TOP OF 2 INCH PIPE ON THE ATRISCO DRIVE WEST R.O.W., APPROXIMATELY 90 FEET NORTH OF THE NORTHEAST PROPERTY CORNER OF THE SITE. ELEV. = 5118.07
CITY B.M. 5-G11.

SURVEY INFORMATION		
NO.	BY	DATE

REFERENCES	
MAP NO. G-11	W.O. NO.
EST. NO.	

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN	
DESIGNED BY JRT	DATE 6/84
DRAWN BY TR	DATE 6/84
CHECKED BY JRT	DATE 6/84

PREPARED UNDER THE DIRECTION OF

APPROVED FOR ROUGH GRADING
Billy J. Goolsby 7/16/84
HYDROLOGY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ~~ATRISCO~~ PINON TRAILS APARTMENTS PHASING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			W.R.D.		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology					

Job № 41710
SCALE: 1" = 50'
DRAWING NO.
SHEET OF

G11/D24