HYDROLOGY

K19/D4

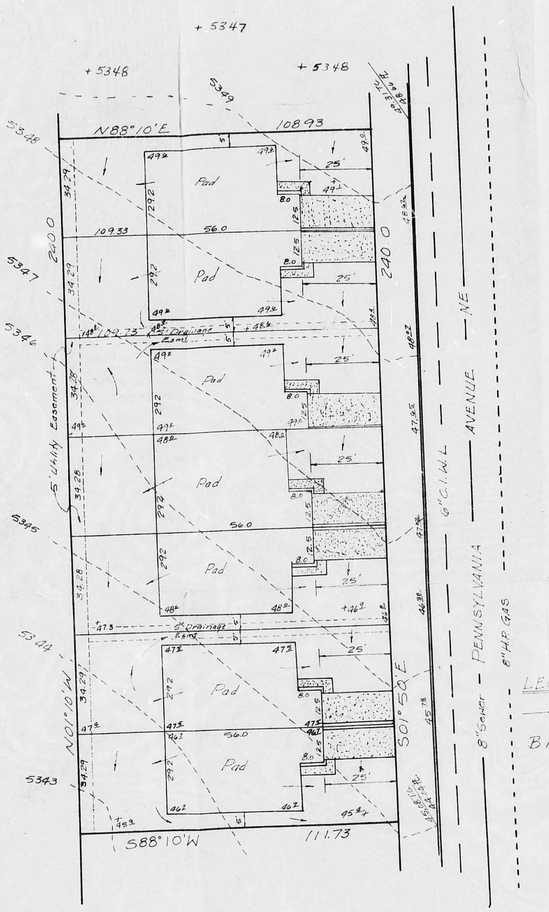
4 PLANS

1 of 2

K 19/D4

4 Plans

D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D



Scale - 1" = 20'

LEGEND

→ Drainage Flow

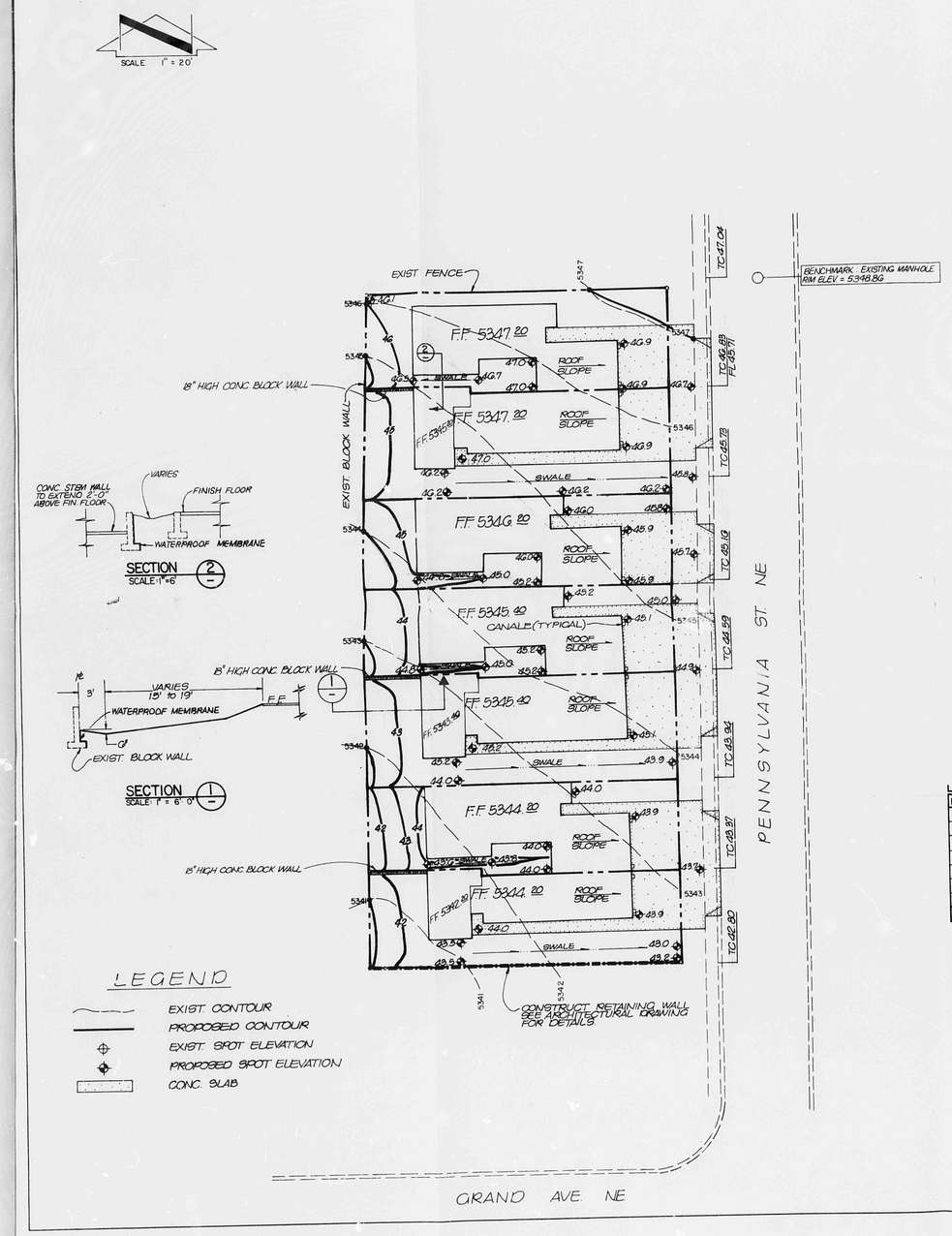
BM Corner Pennsylvania and Copper, square chiseled in concrete 5346.44

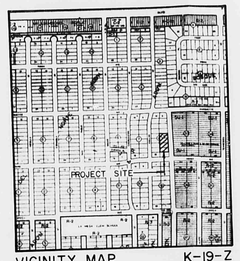
UTILITIES LOCATION
SITE AND DRAINAGE PLAN
CASAS DE LA MESA
ALBUQUERQUE, NEW MEX.

D 24 C 20 B 16 A 12

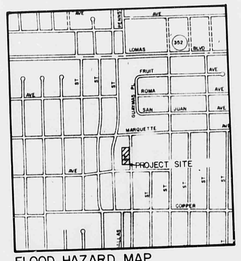
CITY OF ALBUQUERQUE

C D





VICINITY MAP
SCALE K-19-Z 1" = 800'



FLOOD HAZARD MAP
SCALE 1" = 1000'

DRAINAGE PLAN

The following items for the Casas de la Mesa Subdivision are contained hereon:

1. Vicinity Map
2. Flood Hazard Map
3. Grading Plan
4. Calculations

The proposed subdivision is located on the west side of Pennsylvania Avenue N.E. north of Grand Ave. NE. Four single-family lots are being consolidated into seven townhouse lots. The lots will be owner-occupied, and therefore, will be somewhat similar to single-family residences.

The project is bordered on the east by Pennsylvania Street N.E. The land falls to the south and west, therefore, the project site is higher than the land to the south and west and approximately parallel to the land to the north. The land to the north is developed as a single-family residence as is the land to the west. An existing block wall divides the project site from the land to the west. The one remaining single-family lot on the block lies to the south of the project site and is undeveloped at this time. The stormwater flows in Pennsylvania are the only potential stormwater that could enter the site; however, the flows in the street are well below the top of the curb, therefore none should enter the site. The project (1) does not lie in a flood plain, (2) does not lie adjacent to a natural or artificial water course and (3) has no drainage easements on the property.

The roofs of all units, plus the driveways, will be sloped to drain to the street. Any rainfall that falls in the rear yards or courtyards that must drain to the rear will be retained where it falls. Rainfall that falls on the lands to the front of the buildings will drain to the street; however, the grades of the front yards are so mild that the water will have an extremely long travel time before reaching the street. As demonstrated by the calculations utilizing the SCS method, 30 percent of the lot should be landscaped and retain the waters that fall off it. The calculations indicate that on the average approximately 23 percent of the water will be retained in the rear yards. The front yards contain approximately an additional 18 percent of potential ponding. While the rear yards do not completely satisfy the ponding requirements, it is felt that the front yard mild slopes will more than compensate for any reduction in ponding, thus the two added together will satisfy the requirements of ponding for the project site.

The proposed grading plan shows (1) existing contours at 1'0" intervals, (2) proposed grades indicated by spot elevations and contours, (3) swales, (4) continuity between proposed and existing elevations, (5) that sidewalks are adjacent to the curb, (6) that runoff will be conveyed to the street except that falling in the rear yards, (7) that a retaining wall will be required along the south property line, and (8) that erosion will not result from the proposed construction or upland runoff.

LANDSCAPED AREA IN PERCENTAGE:

LOT	REAR YARD	FRONT YARD	TOTAL
A	17	27	44
B	18	22	40
C	27	9	36
D	29	9	38
E	20	22	42
F	28	9	37
G	20	25	45
AVG.	22.7	17.6	40.3

APPROVED FOR DRAINAGE
Nov 16 81
DATE
TITLE
SIGNATURE
CONTINGENCIES

RECEIVED
NOV 16 1981
ENGINEERING

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

BENCH MARKS
CITY OF ALBUQUERQUE BRASS CAP 10-K19 LOCATED ON THE ESE CURB RETURN OF PENNSYLVANIA & COPPER ELEVATION = 5347.50

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

REFERENCES
MAP NO. K-19 W.O. NO.
EST. NO.

NO.	DATE	REMARKS	BY

BELLAR-NAJJAR ALBUQUERQUE, N.M. ENGINEERS

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — THOMAS T. MAYNARD — 3792 — NEW MEXICO — PROFESSIONAL ENGINEER AND LAND SURVEYOR
10/19/81
11/16/81

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

JOB No. 1-072

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CASAS DE LA MESA
GRADING & DRAINAGE PLAN

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

DRAWING NO. — SHEET 3 OF 4

CITY OF ALBUQUERQUE
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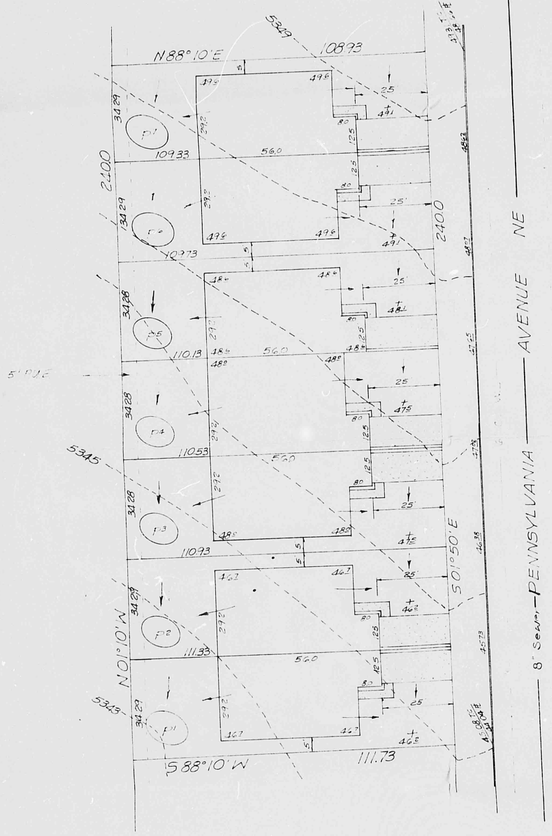

Scale: 1"=20'

LEGEND

Drainage Flow

Ponds

Drainage Retention Area

UNALTIMED LOCATION
SITE AND DRAINAGE PLAN
CASAS DE LA MESA
ALBUQUERQUE, N. MEX.

CITY OF ALBUQUERQUE
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D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D

HYDROLOGY K19/D4 4 PLANS

2 of 2

SITE AND DRAINAGE PLAN
CASAS DE LA MESA
ALBUQUERQUE, N. MEX.

CITY OF ALBUQUERQUE
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