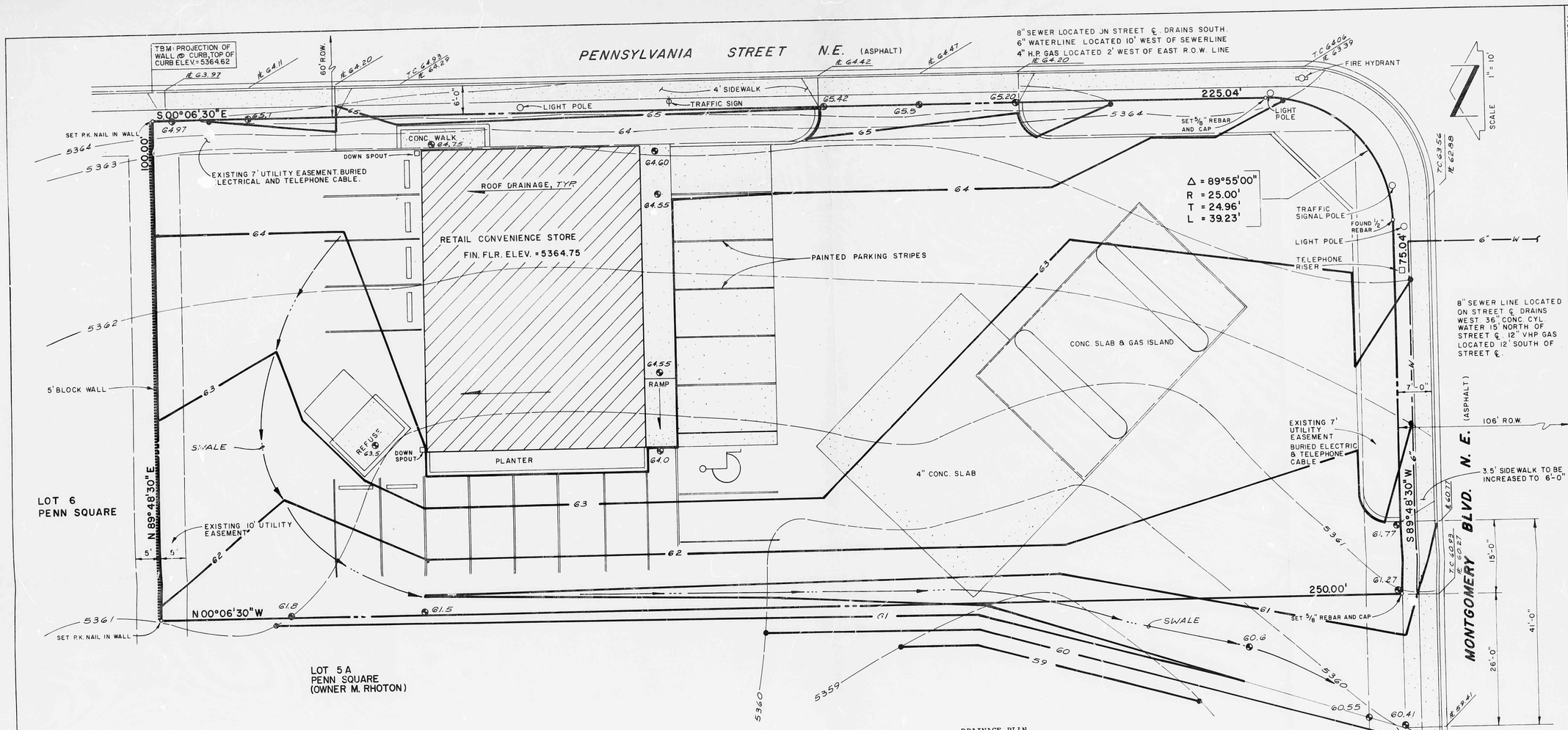
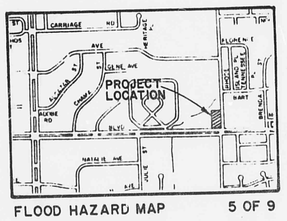
HYDROLOGY

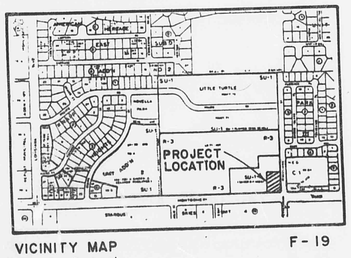
F19/D16A
ONE PLAN

F19/D16A
1 Plan





FLOOD HAZARD MAP 5 OF 9



VICINITY MAP F-19
SCALE 1" = 800'

LEGAL
LOT 5B PENN SQUARE
ADDRESS
7525 MONTGOMERY BLVD. N.E.
SOIL TYPE
EMBUDO - TIJERAS COMPLEX

CALCULATIONS

Area of parcel = 0.57 ac
Impervious area = 0.53 ac
Pervious area = 0.04 ac

Composite "C" = $\frac{0.53}{0.57}(0.95) + \frac{0.04}{0.57}(0.40) = 0.91$

Undeveloped Conditions

Q = cia = 0.40(5.4)0.57 = 1.23 cfs

Developed Conditions

Q = cia = 0.91(5.4)0.57 = 2.8 cfs

LEGEND

—63—	PROPOSED CONTOURS
- - 63 - -	EXISTING CONTOURS
T.C.	TOP OF CURB
F.L.	FLOW LINE
⊗	PROPOSED SPOT ELEVATIONS
⊕	EXISTING SPOT ELEVATIONS
▪▪▪▪▪▪	EXISTING BLOCK WALL
———	PROPERTY LINE
→→→	SWALE FLOWLINE

DRAINAGE PLAN

The following items concerning the Drainage Plan for Lot 5-B, Penn Square is contained hereon:

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

The proposed building is located at the northwest corner of the intersection of Pennsylvania Street N.E. and Montgomery Boulevard N.E. The building will be used as a convenience store with associated adjacent parking for employees and the customers.

A Master Drainage Plan was prepared in May 1977 by Bohannan-Huston for the entire Penn Square project. Lot 5-B is a small portion of this overall drainage plan. The Master Drainage Plan called for the construction of a storm sewer to the north of this project and for the land that this project lies on to drain freely into that storm sewer system.

The project site is bordered by Pennsylvania Street on the east. The land falls away from the street to the west. The project is bordered on the south by Montgomery Boulevard and is approximately parallel with Montgomery Boulevard. The land to the west is lower than the project site and the land to the north is parallel to or slightly higher than the project site. The land to the north is separated from the project site by a concrete block garden/retaining wall. Since the flows in Pennsylvania are cut off by the storm sewer system to the north, the flow remaining in Pennsylvania is negligible and would not enter the project site; therefore, offsite flows are negligible for this project.

The site has been graded to drain to the southwest corner of the site where all flows will exit into Montgomery Boulevard via a drive pad. The flows will remain in Montgomery Boulevard for a short distance before they are picked up by drop inlets and conveyed into the storm sewer system. 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 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 existing and adjacent to the curb line, (6) that all runoff will be conveyed through the property and into the public storm drain system, (7) that retaining walls will not be built for this project, (8) that erosion will not result from upland runoff or the proposed construction activity and (9) offsite grading is in concurrence with the adjacent property owner.

JOB No. 2009-2

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

AS BUILT INFORMATION

CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR ACCEPTANCE DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

CITY OF ALBUQUERQUE BRASS CAP 5-G19A, LOCATED S.W. CORNER INTERSECTION PENNSYLVANIA AND MONTGOMERY ELEV. = 5364.265

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

REFERENCES

MAP NO. F-19 W.O. NO.
EST. NO.

NO.	DATE	REMARKS	BY

BOHANNAN-HUSTON
8101 DALLAS N.E. - ALBUQUERQUE - NEW MEXICO - 87110
ENGINEERS

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
THOMAS T. MANOUSH
5761
AND LAND SURVEYOR
6/24/82

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
DRAINAGE PLAN
LOT 5B PENN SQUARE

RECEIVED
MAR 01 1982
ENGINEERING

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

DRAWING NO.

SHEET 1 OF 1