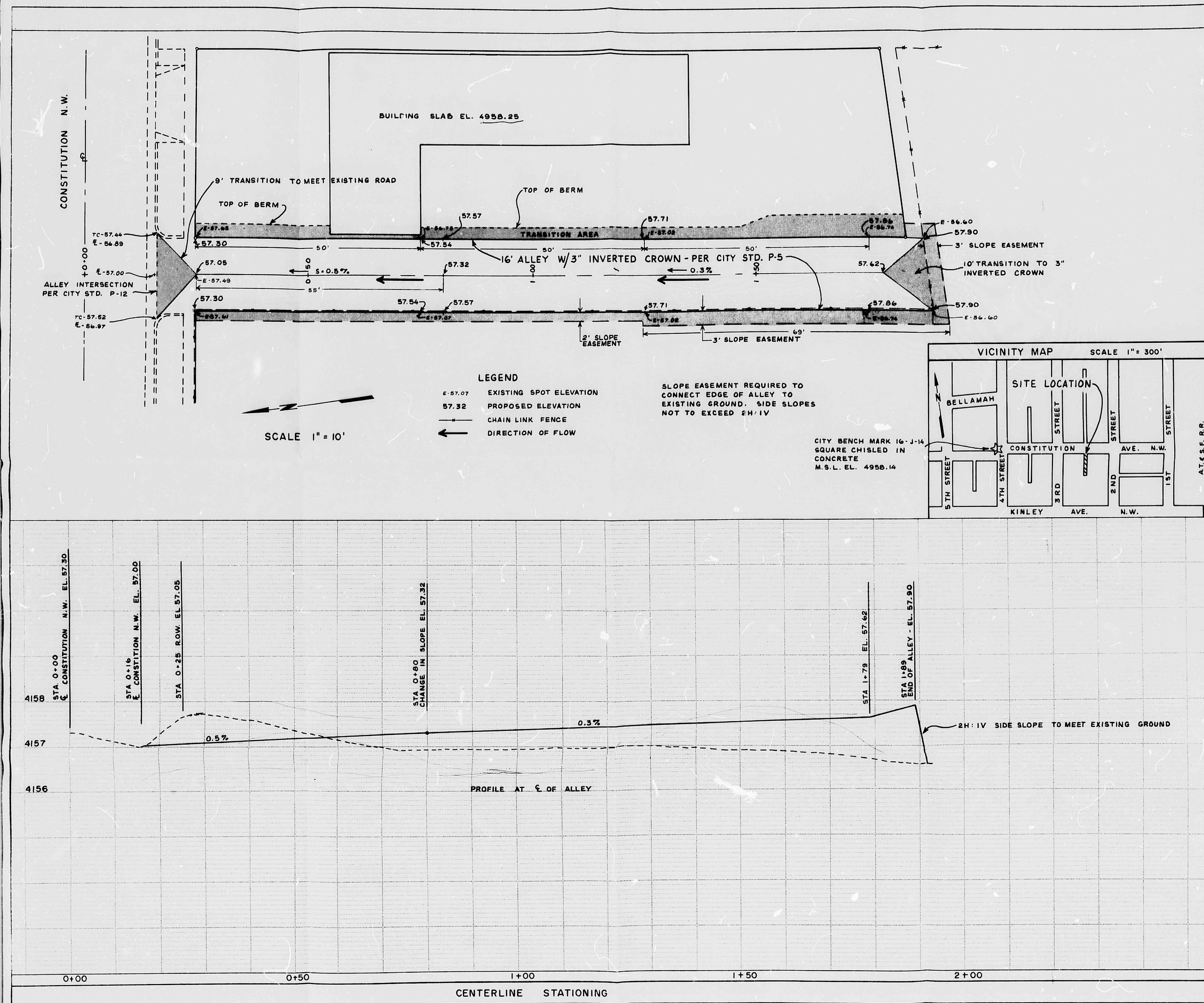




AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR	DATE
FIELD ENGINEER	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

BENCH MARKS	
NO.	DATE

SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	DATE

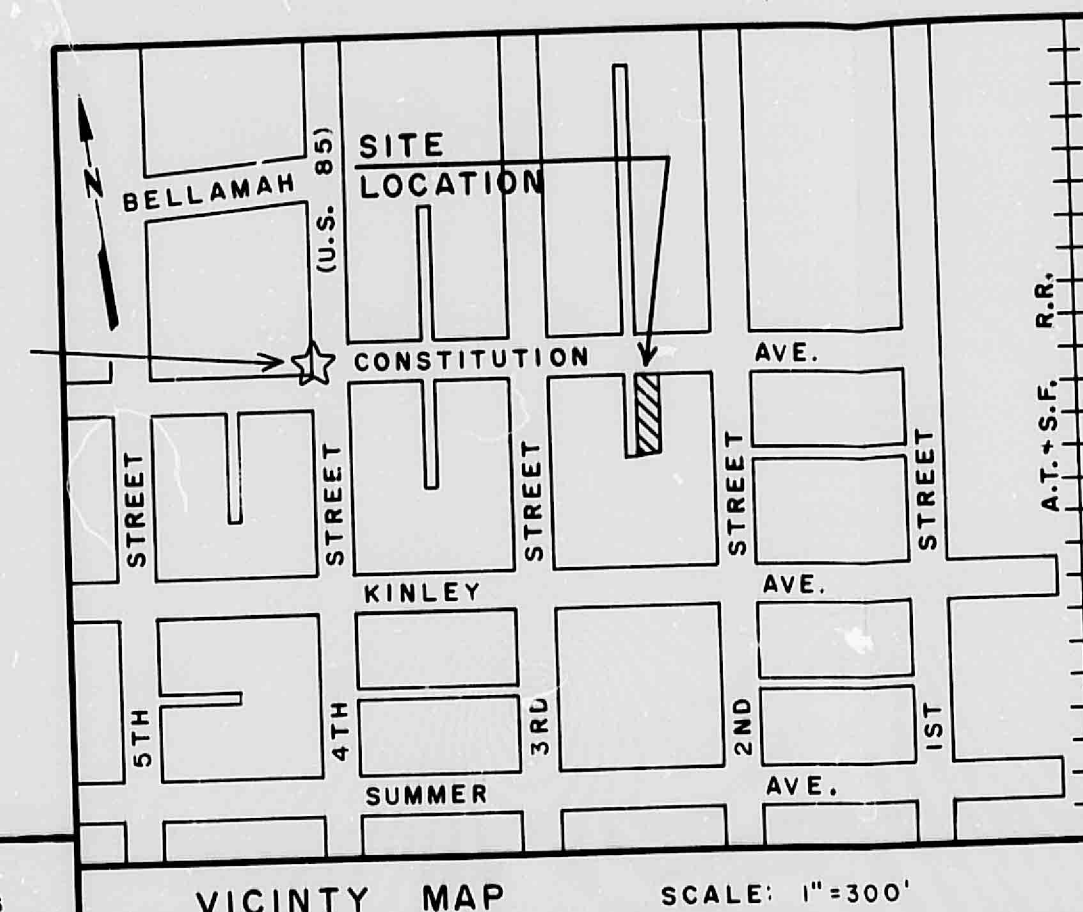
ENGINEER'S SEAL	
NO.	DATE
REVISIONS	DATE
DESIGN	DATE
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

CITY OF ALBUQUERQUE

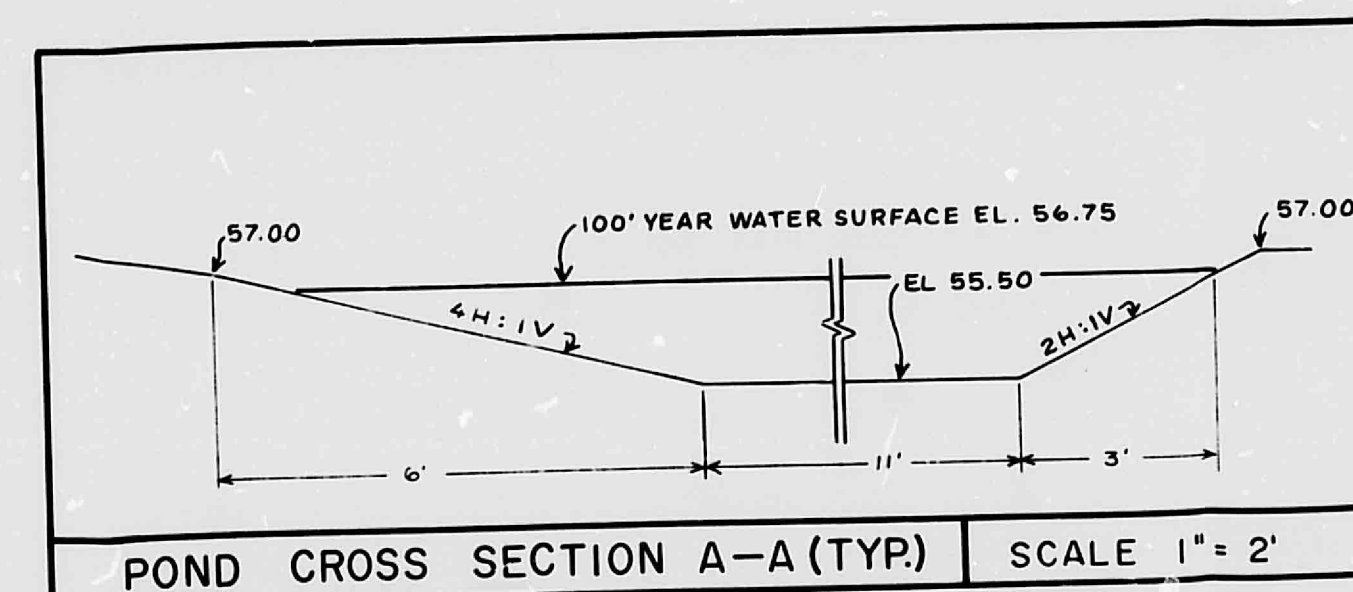
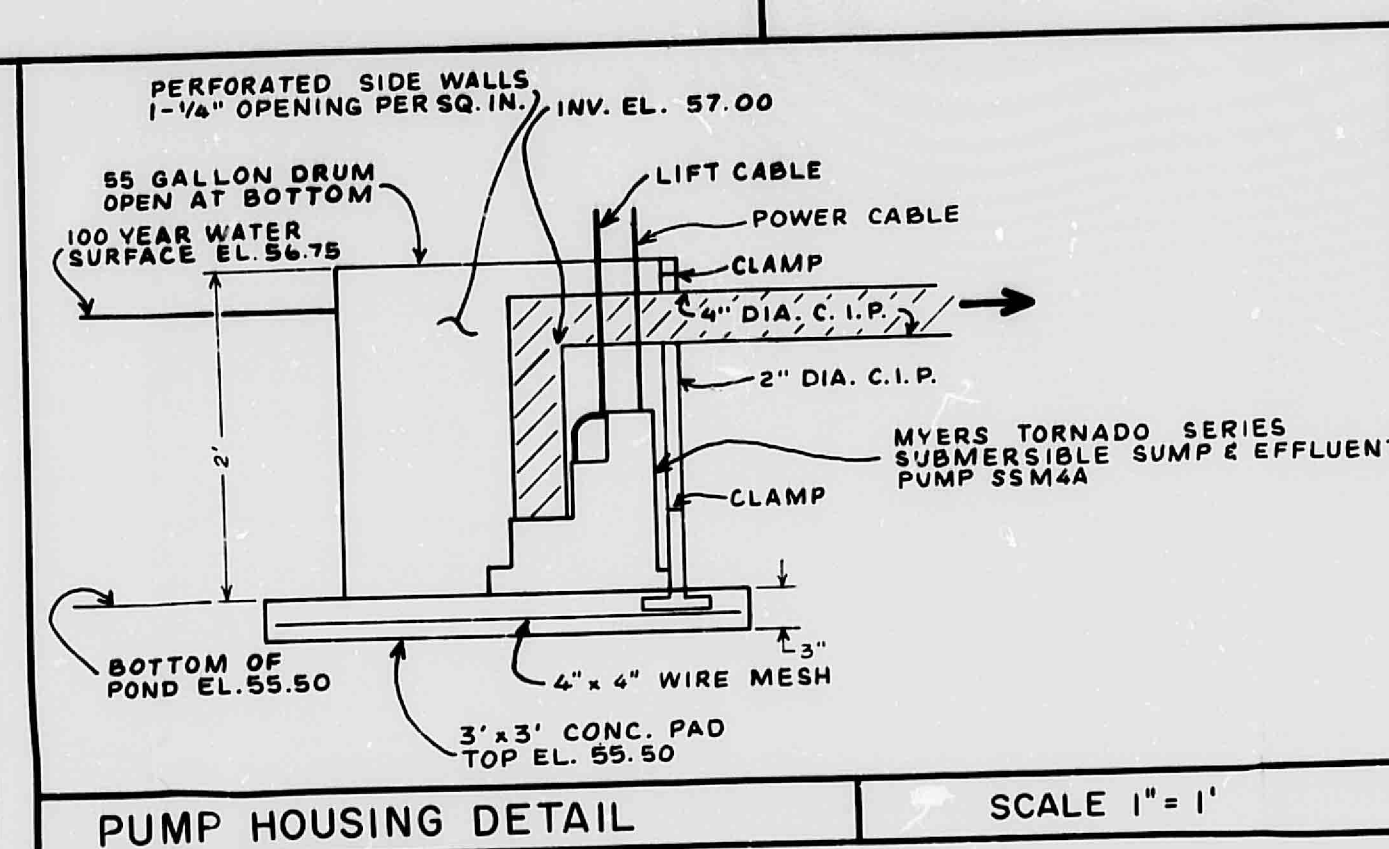
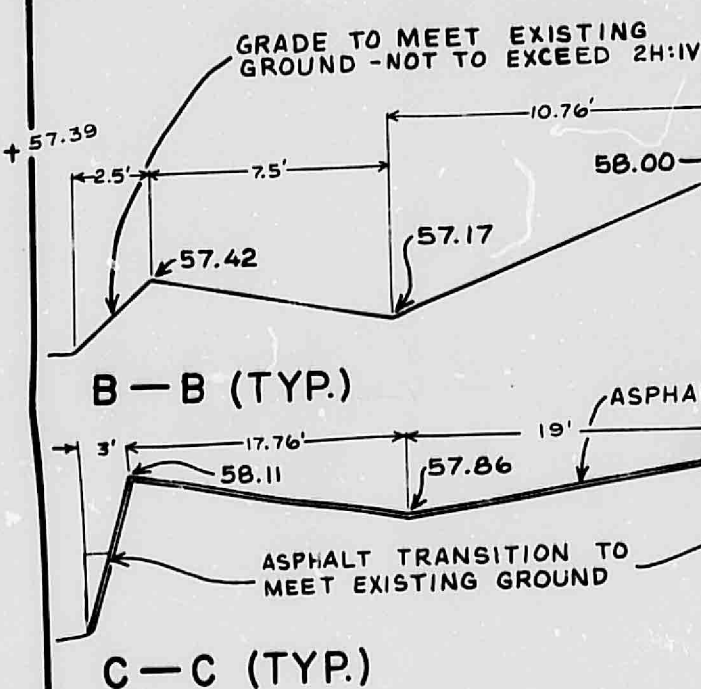
CONSTITUTION N. W.

LEGAL DESCRIPTION

LOTS NO. 8 AND 9, BLOCK 6,
ANDERSON ADDITION,
ALBUQUERQUE, NEW MEXICO.



LEGEND	
[Symbol]	TRANSITION AREA
[Symbol]	DIRECTION OF FLOW
[Symbol]	EXISTING CHAIN LINK FENCE
[Symbol]	EXISTING SPOT ELEVATION
[Symbol]	PROPOSED ELEVATION



GENERAL

Zone Atlas page 3-14, Flood Hazard Zone C for lot and Constitution Avenue, NE;
2nd and 3rd Streets, NE are in Zone A-1

LAND USE

Present - unimproved lot with no structures. Frontage is onto
Constitution Avenue, NW, which is a paved street with curbs and
gutters. A vacant lot is to the east, an unpaved storage yard on the
south, and an unpaved alley to the west.
Proposed - to be developed as an office/warehouse building.

SOIL TYPE

Glendale - clay loam or loam.
Hydrologic Soil Group B.

TOTAL LOT AREA

Approximately 41.5 ft. x 156.1 ft.; total area = 6440.5 sq. ft. (0.1478
acres)

HYDROLOGY

TIME OF CONCENTRATION

Flow length across lot = 162 ft.
Elevation difference = 1 ft.
Slope = 0.6% and overland flow velocity = 0.45 fps
Time of concentration = 6 min; use 10 min.

RAINFALL INTENSITY

10-yr. = 3.19 in./hr.
100-yr. = 4.84 in./hr.

6-HR. RAINFALL DEPTH

10-yr. = 1.45 in.
100-yr. = 2.20 in.

RUNOFF COEFFICIENTS

Undeveloped lot C = 0.34
Developed area to street C = 0.98
Developed area to pond C = 0.54

RUNOFF RATES

Undeveloped
10-yr. = 0.16 cfs
100-yr. = 0.24 cfs

Developed

To street
10-yr. = 0.09 cfs
100-yr. = 0.14 cfs

To pond

10-yr. = 0.21 cfs
100-yr. = 0.31 cfs

RUNOFF VOLUMES

Undeveloped -- drains to back of lot, then to alley on the west side
10-yr. = 265 cu. ft.
100-yr. = 387 cu. ft.

Developed -- area draining to street

10-yr. = 150 cu. ft.
100-yr. = 229 cu. ft.

-- area draining to pond

10-yr. = 339 cu. ft.
100-yr. = 515 cu. ft.

OFF SITE FLOWS

The south end of the study lot is part of an overland flow swale
which also drains through the adjacent lot on the south side. The
back wall of the proposed pond will act as a small berm which will
reduce the width of the swale, but this berm will also remove all
runoff from the study lot to the swale.

STREET CAPACITY

Both Second and Third Streets, NW are within the 100-yr floodplain
(Zone A1), but Constitution Avenue, NW is not within the flood zone.
Consequently, runoff from the roof and back lot area are retained in
a pond; and runoff from the front parking lot (229 cu. ft. for the 100-
yr. flood) will drain onto Constitution Avenue, NW. The resulting
impact on flooding on Second and Third Streets, NW will be minimal.

HYDRAULICS

POND CAPACITY

Top area - approximately 31.26 ft. x 20 ft.
Side slopes on east, west and south 2H:1V
Side slope on north side 4H:1V
Depth = 1.5 ft.
Bottom area 11 ft. x 25.26 ft.
Total volume = 677 cu. ft.
Freeboard = 0.25 ft.

APPROVED FOR DRAINAGE
8/2/84
Bill J. [Signature]
ADVISE DRAINAGE INSPECTOR
WHEN GRADING EXECUTED

JUN 14 1984
HYDROLOGY SECTION

DESIGNED BY S.D. E.D.	DRAINAGE & GRADING PLAN WAREHOUSE for LARRY VIGIL AND SONS CONSTRUCTION COMPANY
DRAWN BY C.M. S.D.	
CHECKED BY E.D.	
MAY 1984	
PREPARED BY RESOURCE TECHNOLOGY INC.	

CITY OF ALBUQUERQUE