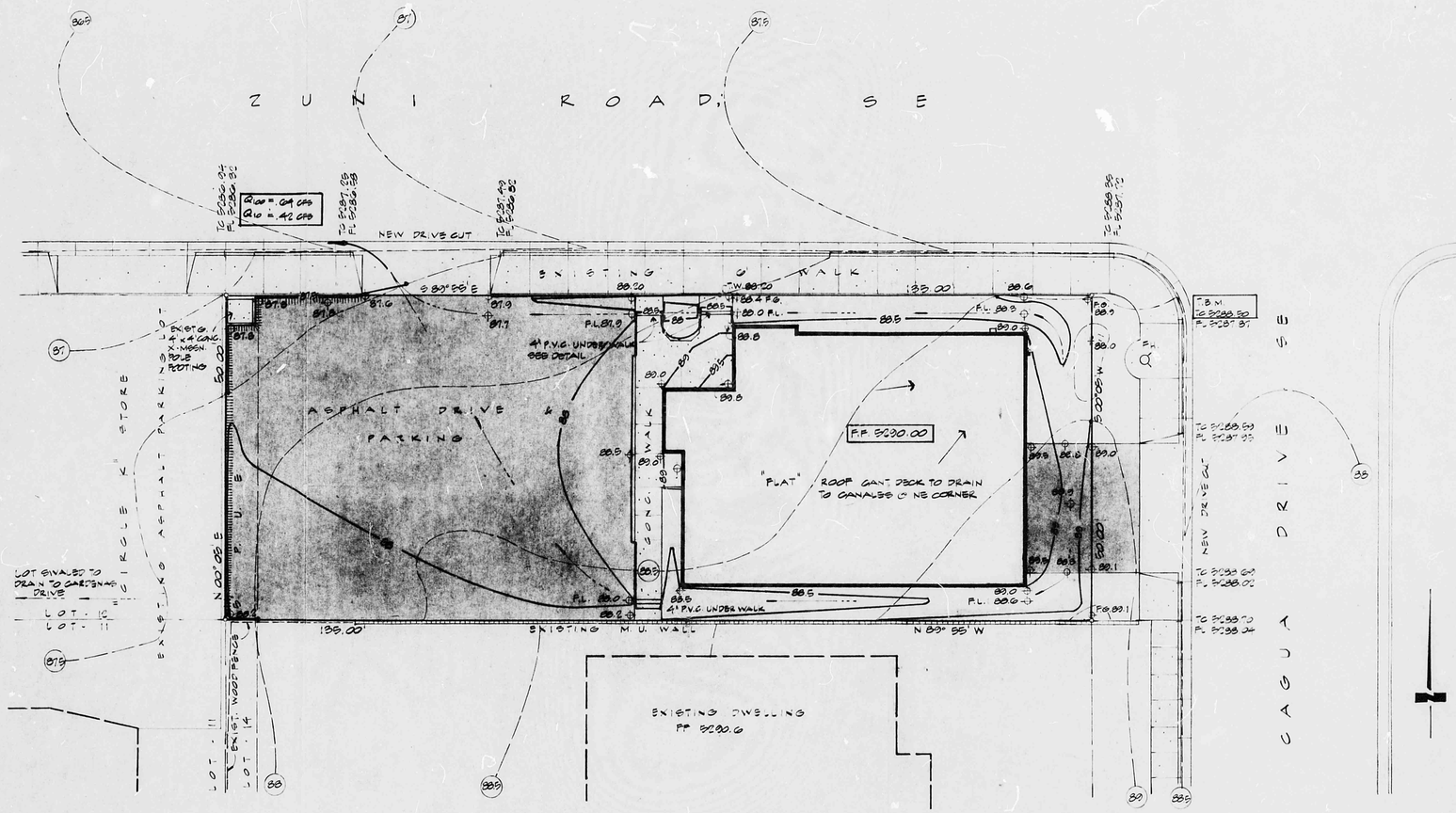
HYDROLOGY L18/D22 STEINBERG OFFICE BUILDING

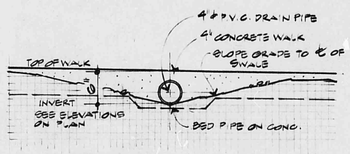
L18/D22

STEINBERG

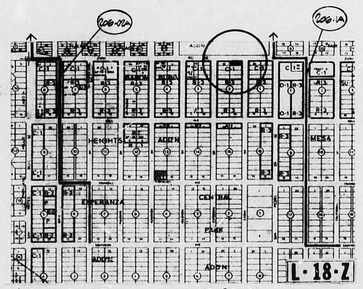
OFFICE BLDG.

1 PLAN





WALK DRAIN DETAIL 1" = 1'-0"



VICINITY MAP NO SCALE

CALCULATIONS

AREA OF SITE	6750 SQ FT (.155 AC)
SLOPE	1.8%
SOILS GROUP	B
IMPERVIOUS COVERAGE	84%
MODIFIED C FACTOR	.81 (P. 22.2, C-1)
100-YR RAINFALL	2.8 IN. (P. 22.2, 7-1)
TIME OF CONCENTRATION	10 MINUTES
INTENSITY	5.06 IN./HR. (P. 22.2, 7-2)

ON-SITE RATE OF RUNOFF

Q100 = .81 x 5.06 x .155 = .64 CFS

Q10 = .667 x Q100 = .42 CFS

UPSTREAM CONDITIONS

NO FLOWS ENTER SITE FROM ADJACENT PROPERTIES

NORTHEAST PORTION OF THIS LOT LIES WITHIN A 100-YR FLOOD ZONE WHICH APPEARS ON AREA F.H.B.M. (ZONE AO)

F.H.B.M. HAS NOT BEEN UPDATED SINCE INSTALLATION OF INTERCEPTOR DRAINS ALONG AND/OR ACROSS ZUNI ROAD, SE.

INTERCEPTOR DRAIN 206-1A RUNNING NORTH-SOUTH AND LYING 2 BLOCKS EAST OF THIS SITE SHOULD ALLEVIATE FLOOD POTENTIAL AT ZUNI / CAGUA INTERSECTION. (SEE VICINITY MAP)

DISPOSAL

SITE RUNOFF WILL BE RELEASED TO ZUNI ROAD THROUGH NORTH DRIVE CUT.
ROUTING VIA ZUNI ROAD WEST TO INTERCEPTOR 206-02A AT SAN MATEO BOULEVARD.

DESIGN CONSIDERATIONS

NOTE TO CONTRACTOR: FINISH FLOOR OF BUILDING SHALL BE NO LOWER THAN 5290.00

IT IS THE CONTRACTOR'S RESPONSIBILITY FOR EROSION CONTROL AND ABATEMENT OF SEDIMENT TO ABUTTING RIGHT-OF-WAY AND PRIVATE PARCELS DURING CONSTRUCTION.

BENCH MARK

5-K18 ACS BRASS DISC IN WEST MEDIAN OF CENTRAL AVENUE AT SAN PEDRO INTERSECTION STAMPED "5-K18 1973 ACS"
ELEV. 5290.170

T.B.M.

TOP OF CURB AT SOW RETURN, INTERSECTION OF ZUNI ROAD & CAGUA DRIVE, SE.
ELEV. 5288.80

LEGEND

CONTOUR INTERVAL ONE-HALF FOOT

(88) EXISTING CONTOUR

88 PROPOSED CONTOUR

+88.0 EXISTING SPOT ELEVATION

+88.0 PROPOSED SPOT ELEVATION

PROPOSED CONTOUR LINES AND SPOT ELEVATIONS INDICATE FINISH SURFACES
CONTRACTOR SHALL DETERMINE APPROPRIATE SUBGRADES.

PLAN SCALE 1" = 10'

DRAINAGE PLAN

801 CAGUA DRIVE, SE
LOT-13
BLOCK-C
BARON BURG HEIGHTS
ALBUQUERQUE, NEW MEXICO

STEINBERG OFFICE BUILDING (8005E)

PREPARED BY:

ENCHANTMENT ENGINEERING
7800 MARBLE AVENUE, NE
ALBUQUERQUE, NEW MEXICO 87110
505 265-7704

NOVEMBER 21, 1984

RECEIVED NOV 21 1984 HYDROLOGY SECTION

L18/D22