HYDROLOGY M14/D13 3 PLANS

M14/D13

3 Plans

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

TOPOGRAPHIC SURVEY
OF
BERNALILLO COUNTY ROAD DEPARTMENT
ADMINISTRATION BUILDING
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
DECEMBER, 1986

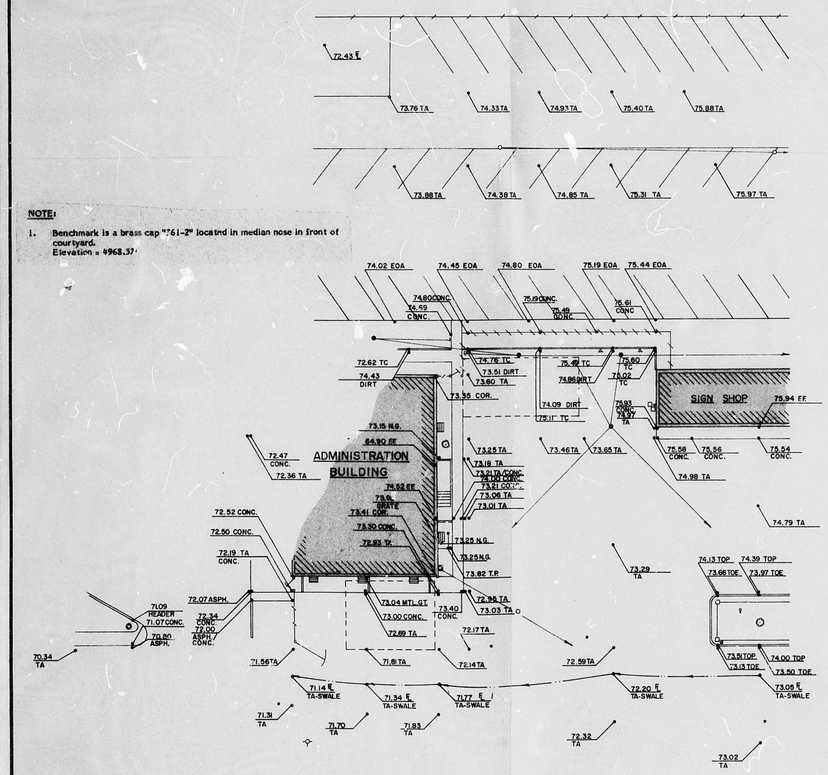
SPOT ELEVATIONS

LEGEND

EOA	EDGE OF ASPHALT
TC	TOP OF CURB
TA	TOP OF ASPHALT
CONC.	CONCRETE
FL	FLOW LINE
ASPH.	ASPHALT
F.F.	FINISHED FLOOR
N.G.	NATURAL GROUND
COR.	CORNER

N

SCALE: 1"=20'



NOTE:

1. Benchmark is a brass cap "761-2" located in median nose in front of courtyard.
   Elevation = 4968.37'

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Plat & Survey By:
ALBUQUERQUE SURVEYING CO. INC., 2119 Menaul Blvd. N.E., Albuquerque, New Mexico 87107 Ph. (505) 884-2036

SHEET 2 OF 2

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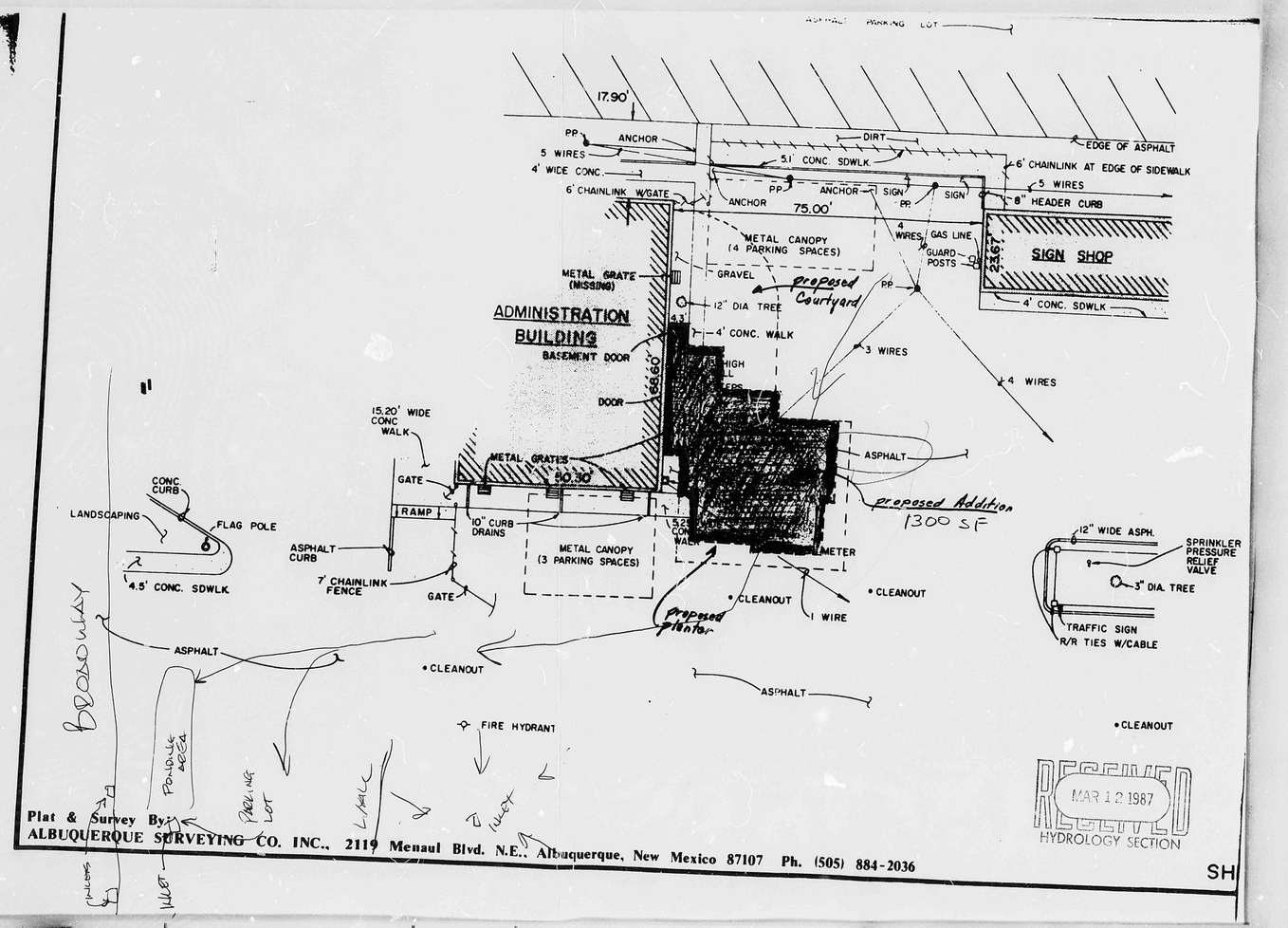

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SHOP

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DRAINAGE PLAN -

1. EXISTING CONDITION :

The site of the proposed Addition currently consists of a paved asphalt parking lot with a small metal canopy. The area of asphalt, canopy & concrete to be removed for the bldg = 2400 sf ±

2. PROPOSED CONDITION

The proposed condition will involve the removal of asphalt, concrete and metal canopy as explained above and the construction of a 1300 sf. bldg. A courtyard and planter will take up the remainder of the site construction

3. DETERMINE SITE RUNOFF

a) C FACTOR : EXISTING = 0.95

Proposed = $\frac{2175^{\circ} \times .95 + 225^{\circ} \times .25}{2400^{\circ}} = .88$

b) P= 2.3 in. Plate 22.2 D-1 D.P.M

c) Volume REQ.: EXISTING $V = \frac{2.3 \times .95 \times 2400}{12} = 437$ c.f.

PROPOSED $V = \frac{2.3 \times .88 \times 2400}{12} = 404.$ c.f.

437 ≈ 404 cf.

⇒ No Not change in total runoff

⇒ No Additional Drainage Improvements Req'd.

Addition being built over existing asphalt.

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PLANNING & ADMINISTRATION

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