HYDROLOGY

J11/D6
1 PLAN

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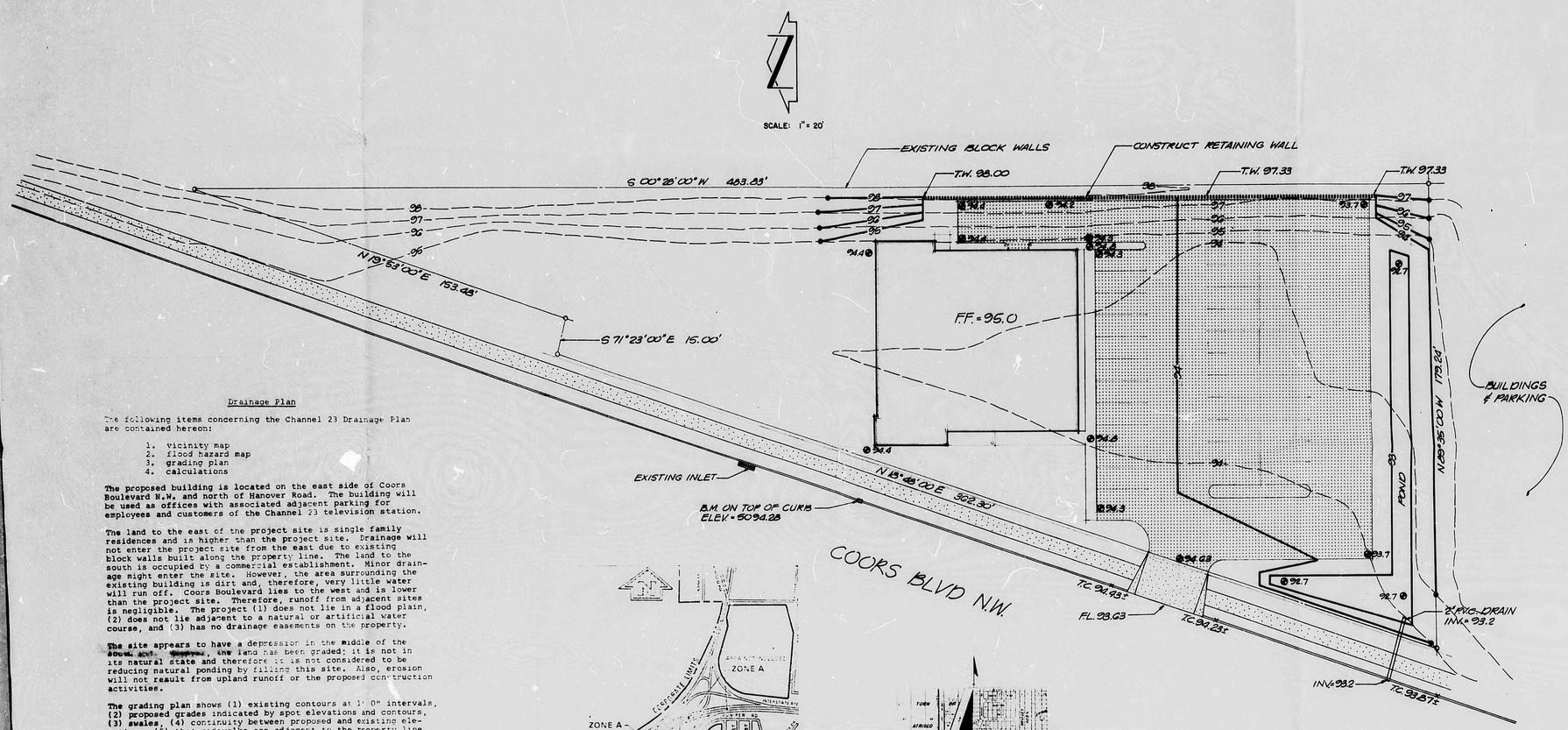
1 Plan

CITY OF ALBUQUERQUE



Drainage Plan

The following items concerning the Channel 23 Drainage Plan are contained hereon:

1. vicinity map
2. flood hazard map
3. grading plan
4. calculations

The proposed building is located on the east side of Coors Boulevard N.W. and north of Hanover Road. The building will be used as offices with associated adjacent parking for employees and customers of the Channel 23 television station.

The land to the east of the project site is single family residences and is higher than the project site. Drainage will not enter the project site from the east due to existing block walls built along the property line. The land to the south is occupied by a commercial establishment. Minor drainage might enter the site. However, the area surrounding the existing building is dirt and, therefore, very little water will run off. Coors Boulevard lies to the west and is lower than the project site. Therefore, runoff from adjacent sites is negligible. 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 site appears to have a depression in the middle of the south ~~part~~. ~~However~~, the land has been graded; it is not in its natural state and therefore it is not considered to be reducing natural ponding by filling this site. Also, erosion will not result from upland runoff or the proposed construction activities.

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 adjacent to the property line and higher than the top of the curb, (6) that all runoff will be conveyed into ponds before leaving the site, and (7) that a retaining wall be required along a portion of the east property line.

The runoff from the additional impervious areas will be retained in a pond along the south property line. The pond will retain in excess of 100 percent of the runoff that results from a 100 year frequency storm. The pond is not greater than 18 inches deep and therefore fencing is not required.

Calculations

Area of Parcel = 45,036 s.f.

Impervious Area = 22,920 s.f.

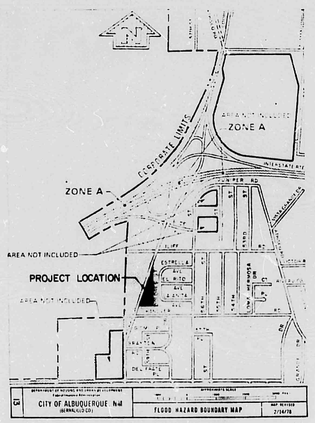
Required Pond Volume = 22,920 x 0.1 = 2,292 c.f.

Pond Volume

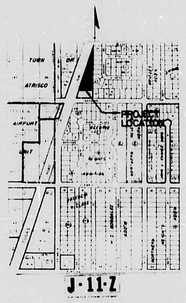
below elevation 93.7
23 x 160 x 1 x ½ = 1,840 c.f.

between elevation 93.7 and 94.0
23 x 160 x 0.30 = 1,140 c.f.

Total Pond Volume = 2,980 c.f.



FLOOD HAZARD MAP



VICINITY MAP

DRAINAGE PLAN

STATE OF NEW MEXICO
W. L. BURNS NO. 774
R. L. PETERS NO. 781
ALBUQUERQUE N.M.
REGISTERED ARCHITECTS

Architect

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
THOMAS T. MANN JR.
3792
NEW MEXICO

Engineer

PROJECT

THE BURNS/PETERS GROUP
Architects & Planners
8000 Pennsylvania Circle NE
Albuquerque, New Mexico
87110 505 265 3645

Date

Sheet No.

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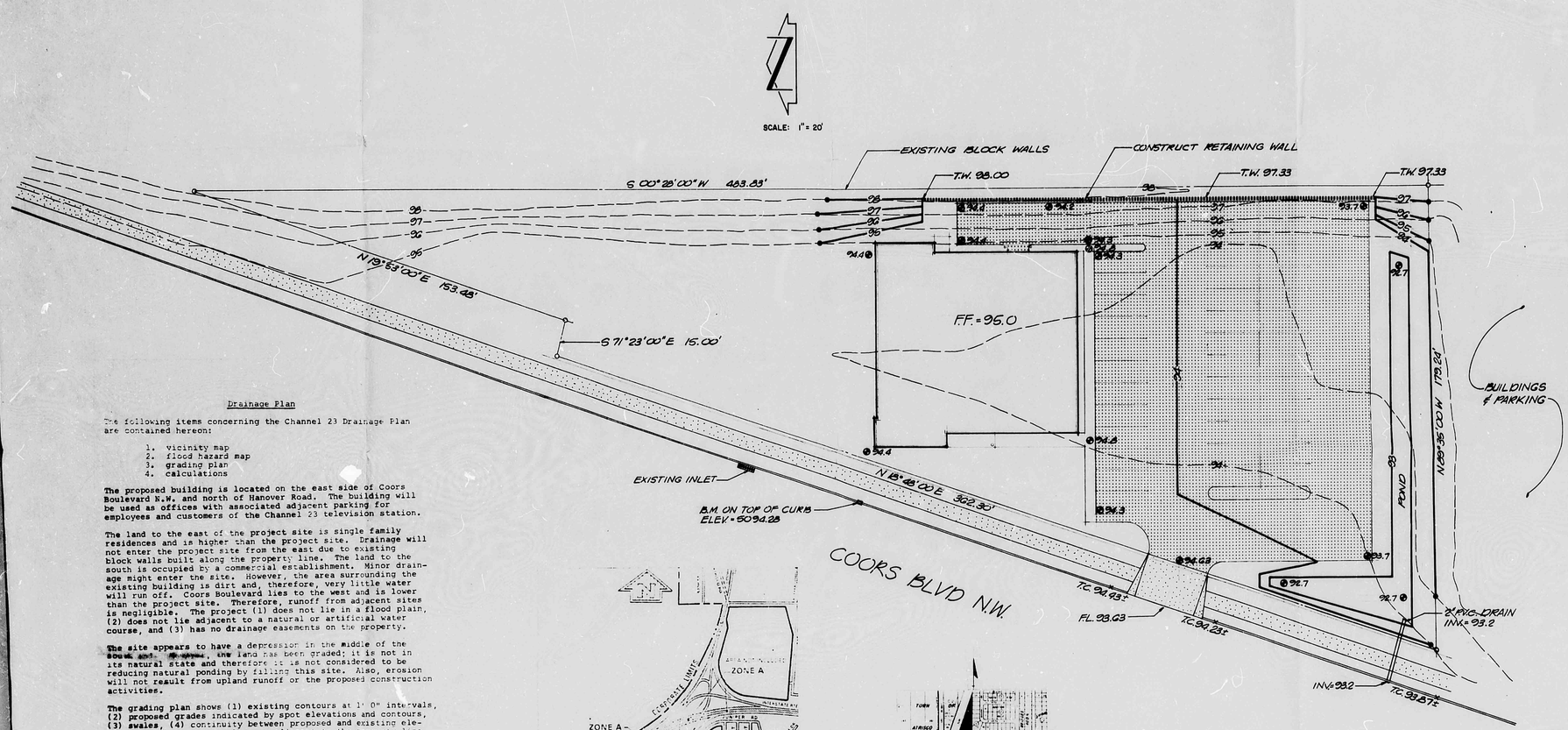

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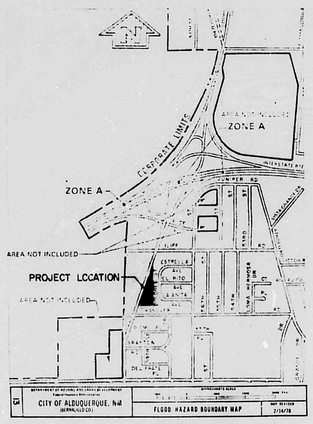

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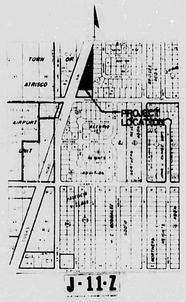

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