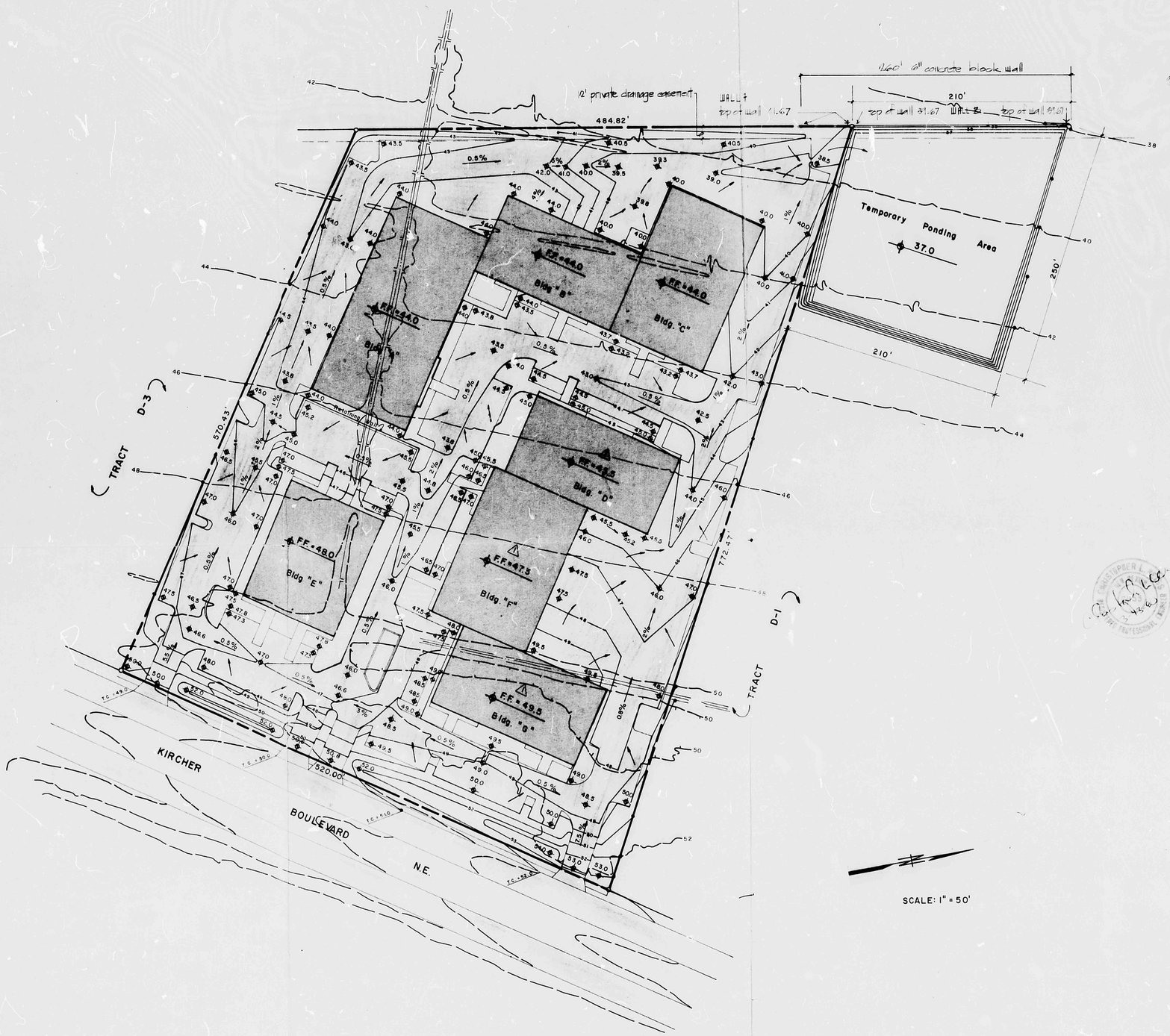
HYDROLOGY E17/D10 ONE PLAN

HYDROLOGY

E17/D10
ONE PLAN

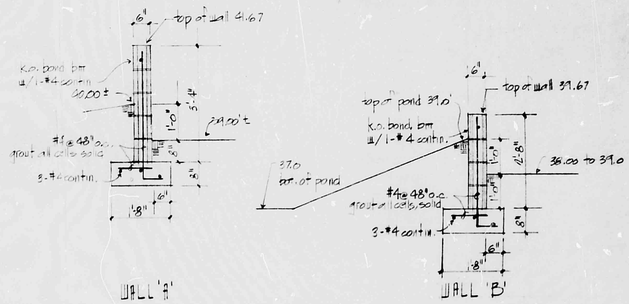
E17/D11

1 PLAN



SCALE: 1" = 50'

GRADING/DRAINAGE PLAN



WALL DETAILS 1/2"=1'-0"

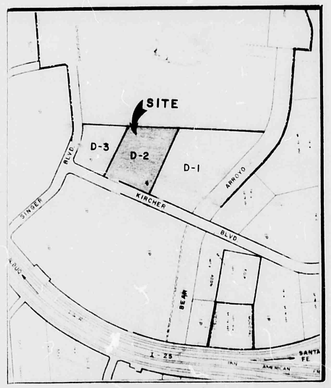
TRACT D-2, ALBUQUERQUE INDUSTRIAL PARK SITE

GENERAL DATA:
Owner/Developer: Chant Corporation
Architect: Miles Brittelle
Engineer: Consultants/Terra-Sol, Inc.
Flood Hazard: None (Pg. 5 FHBM)
Topo: Supplied by Koogle & Poulis, Engineers. Flown 2-80.
Nearest Available Drainage Channel: Bear Arroyo
Approved Drainage Report: Albuquerque Industrial Park. Established criteria to drain all developed flows directly into nearest defined drainage system. Direction of natural developed flow from Tract D-1 and D-2 is to the Bear Arroyo. Tract D-3 will drain to Singer Blvd.

DRAINAGE CALCS:
Area Tract D-2 = 7.48 Acres
Runoff Vol_{100} = (2.2"/12)(0.90)(7.48)(43,560) = 53,762 ft^3
Runoff Rate = (0.09)(5.4)(7.48) = 36 cfs
Size of temporary pond = 190' x 190' x 1.5' deep.

DRAINAGE NARRATIVE:
Tract D-2, the first site to be developed, part of a master planned area involving 3 tracts, D-1, D-2, and D-3. All of these tracts are owned by the Chant Corporation. Tract D-1, which lies between the Bear Arroyo and Tract D-2, will be developed in stages in the near future and will serve as a temporary ponding area for the flows from Tract D-2 at this time. As development of Tract D-1 progresses toward the Bear Arroyo, the location of the temporary ponding areas will be moved to the north and increased in size to accomodate the increased development. When development for Tract D-1 is completed, an improved drainage inlet structure will be constructed through the Bear Arroyo's embankment to discharge all of the flows from Tracts D-1 and D-2. This approach is taken to allow for design flexibility of Tract D-1 and to allow for the construction of a properly sized outlet structure for the future development.

⚠ Revised 4-24-80 — Bldgs. D, F, & G Lowered 0.5' and adjoining Contours/Elevations adjusted.



VICINITY MAP
E17 & F17

COMMERCIAL CENTER
CHANT DEVELOPMENT CORP.

sheet C-1 of

miles brittelle and architect
mb

STATE OF NEW MEXICO
W. MILES BRITTELLE JR.
276
REGISTERED ARCHITECT