HYDROLOGY

E17/D4

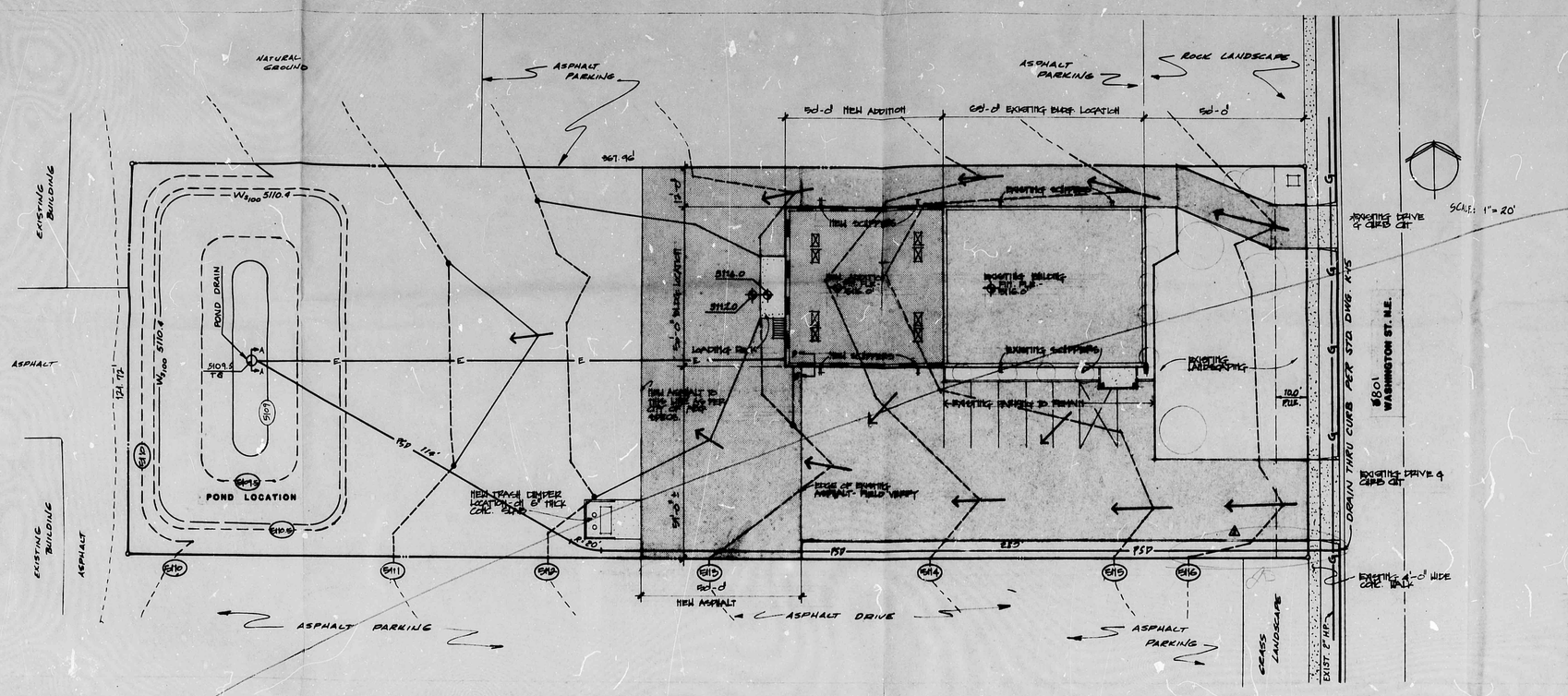
ONE PLAN

1 PLAN FOR

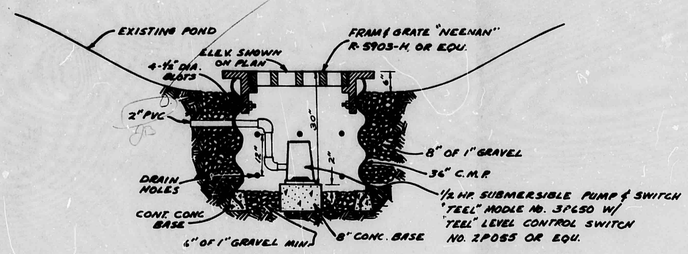
BELL WAREHOUSE

6801 WASHINGTON N.E.

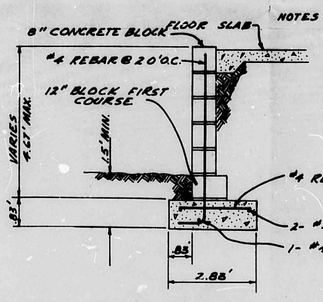
E17 — D42



DRAINAGE PLAN

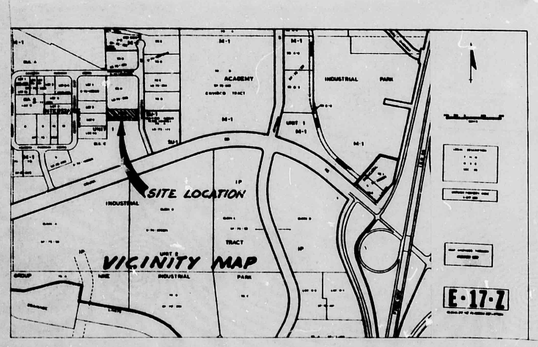


SECTION A-A
SCALE: 1" = 2'



NOTES
1) REBAR TO BE 2" CLEAR FROM FACES. FILL ALL CELLS SOLID WITH CONCRETE.
2) #8 GAUGE DURAWALL @ ALTERNATE COURSES.
3) DESIGN SOIL BEARING PRESSURE = 1000 PSF

RETAINING WALL SECTION B-B
NOT TO SCALE



LEGEND

- EXISTING GRADE
- NEW GRADE
- EXISTING BLDG & ASPHALT
- NEW BUILDING & ASPHALT
- ARROWS INDICATE DIRECTION OF FLOW
- E — ELEC. CONDUIT & 110 POWER
- PSD — PVC PRIVATE DRAIN
- BLDG. RETAINING WALL

CALCS

SOIL TYPE - E.m.B - HYD GROUP B
PER BERNALILLO COUNTY S.C.S.
IMPERVIOUS AREA 20,760 SQ FT
TOTAL AREA 44,788 SQ FT
46% IMPERVIOUS
"C" FACTOR 0.56 FROM 22.2 C-1 D.P.M.
RAINFALL VOLUME 2.2" PER 22.2 D-1 D.P.M.
$V_{Rain} = V_{ER}\ CA\ (2.2/12)(0.56)(44,788) = 4598\ FT^3$
SAY $V_{Rain} = 4600\ FT^3$
EXISTING POND VOLUME: 4240 FT^3
REGRADING POND VOLUME: 4930 FT^3
TOTAL DEPTH 1.9'

LEGAL DESCRIPTION

LOT 2, BLOCK C, UNIT 1, INTERSTATE INDUSTRIAL TRACT, AS FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY ON APRIL 28, 1979, BOOK 810 FOLIO 30

AS BUILT INFORMATION

BENCH MARKS
1. CITY B-22-17 WASHINGTON N.E. & CHAMA N.E. ELEV.-5111.55' (NGVD CORRELATED T.O.C.)
2. CITY B-17-17 JEFFERSON N.E. & CHAMA N.E. ELEV.-5100.07' (NGVD CORRELATED T.O.C.)

MICRO FILM INFORMATION

SURVEY INFORMATION
FIELD NOTES
NO. BY

EN'S NEER'S SEAL
RE. BLACKWELL, JAMES E. NEW MEXICO 7145 REGISTERED PROFESSIONAL ENGINEER

NO	DATE	REMARKS	BY
1	3-25-83	REVISED TRAP IN POND	JB
2	4-4-83	REVISED CONTOURS AND DRAINAGE PLAN	JB
3	7/26/83	SITE DEVELOPMENT PLAN	JB
		REVISIONS	

DESIGN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE
DRAINAGE PLAN - BELL WAREHOUSE

APPROVAL	ENGINEER	DATE	APPROVAL	ENGINEER
City Engineer			Solid Waste	
A.E. Design			Traffic	
A.E. Hydrology			Water	

DRAWING NO | MAP NO | SHEET | OF

82-04-08

82-04-08 E17/D42