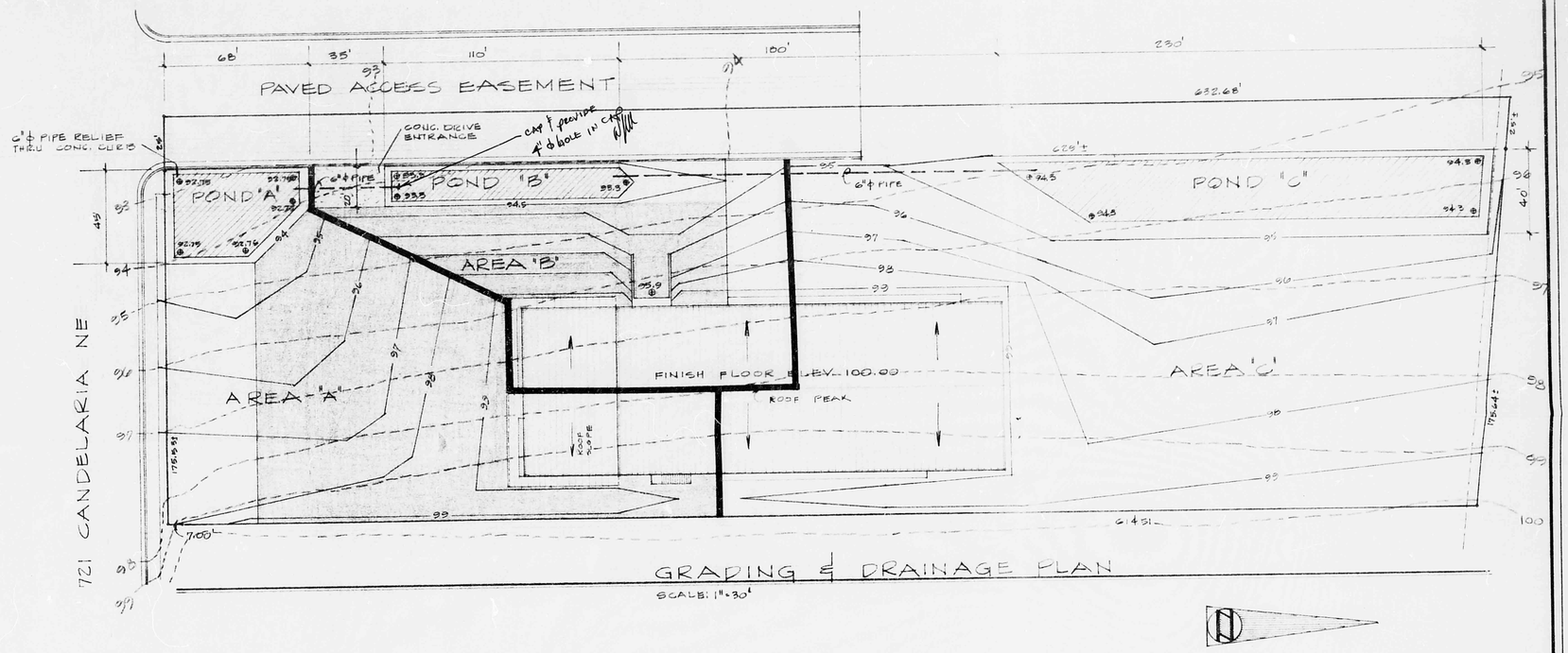
HYDROLOGY

H15/D5
1 PLAN

H15/D5

1 PLAN



APPROVED FOR DRAINAGE
DATE
SIGNATURE
TITLE
ADVISE DRAINAGE INSPECTOR WHEN GRADING EXECUTED

DURA BILT PRODUCTS, INC.
GENERAL CONTRACTORS LICENSE NO. 3044
4808 JEFFERSON NE PH 883-9100 ALBUQUERQUE NM 87109

CRIST MACHINERY
721 CANDELARIA N.E.

DATE: 21 AUG 80
JOB NO: 80-113

SHEET NO: 1a
OF 16

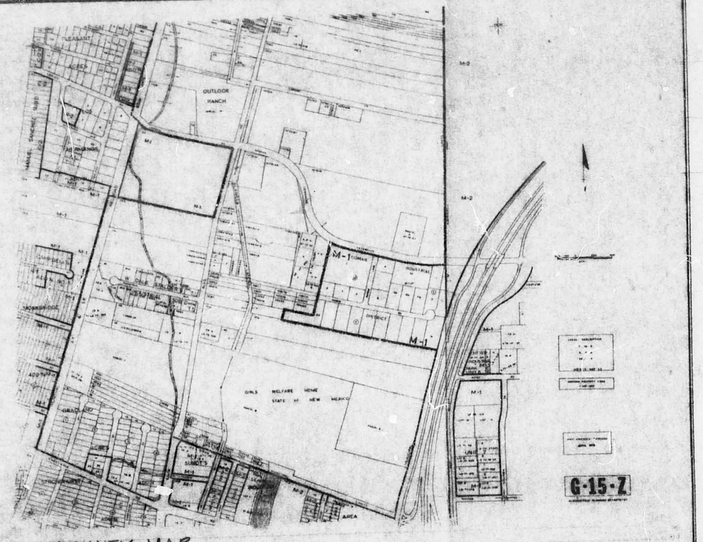
BRUNING 40-22 35447

HYDROLOGY

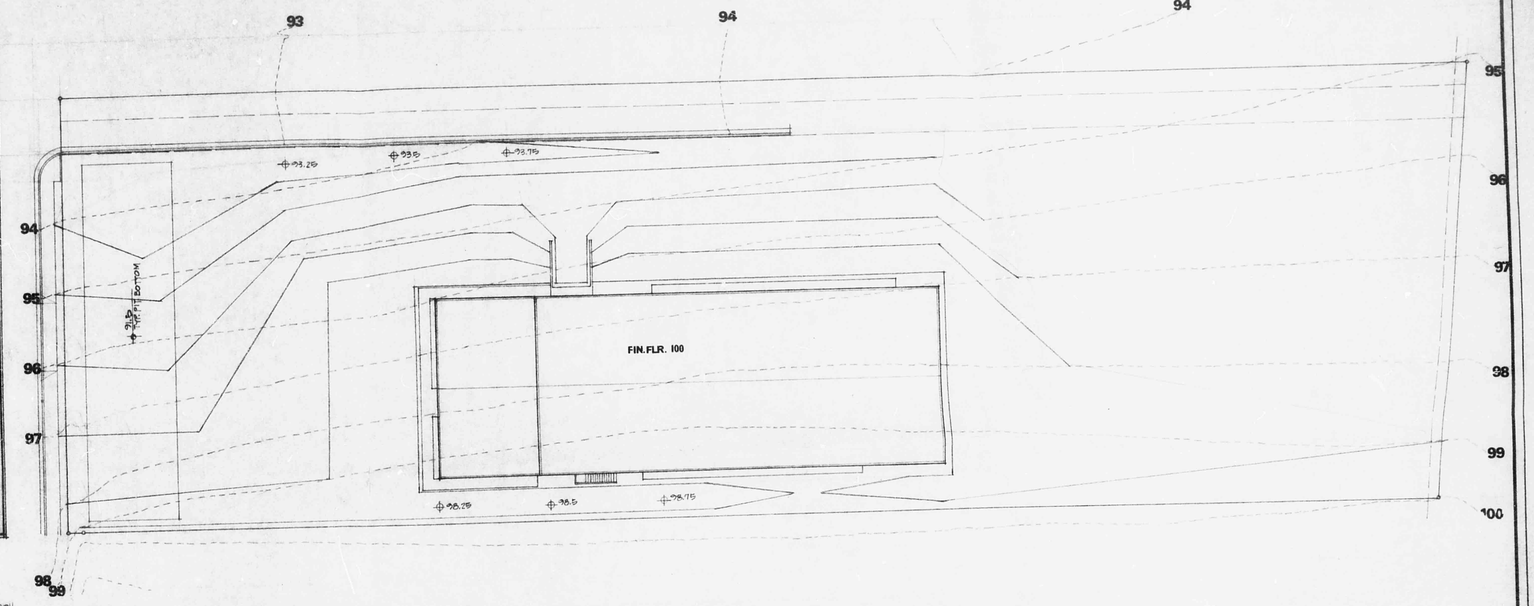
G15/D1
ONE PLAN

G 15 - D1

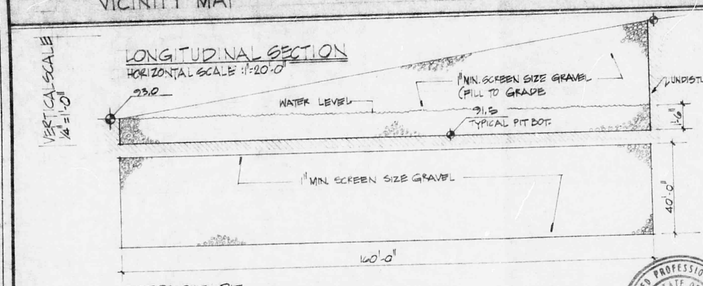
1 PLAN



VICINITY MAP



GRADING & DRAINAGE PLAN
SCALE: 1" = 30'-0"



LONGITUDINAL SECTION
HORIZONTAL SCALE 1" = 20'-0"

SEEPAGE PIT
SCALE: 1" = 20'-0".

NOTES:
1. EXCAVATE LEVEL BOTTOM 160 x 40 x 1.5 MIN. DEPTH
2. FILL TO GRADE W/ 1" MIN. SCREEN SIZE GRAVEL

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — NO. 2934 — CARROLL A. COUNCE

LEGAL DESCRIPTION

721 CANDELARIA N.E.
LOT 2, SCHMIDER PARCEL
SUNDT'S INDUSTRIAL AREA

PERMIT DATA

BUILDING ZONE	M-1 G-15-Z	
SEISMIC ZONE	II	
OCCUPANCY GROUP	B-2	11,320
	H-4	7,960

TYPE OF CONSTRUCTION II-N

FLOOR AREA	UPSTAIRS	1,607
	DOWNSTAIRS	17,672
	TOTAL	19,279

DRAINAGE REQUIREMENTS:

AREAS		
LOT AREA	107,079 #	(2.458 AC.)
PARKING, DRIVES & EQUIP.	22,148 #	
ROOF	19,799 #	
IMPERVIOUS AREA	41,947 #	
PERVIOUS AREA	65,132 #	
ESTIMATED PERVIOUS	C = .38	
ESTIMATED IMPERVIOUS	C = .90	
ESTIMATED AVERAGE	C = $\frac{(41,947)(.90) + (65,132)(.38)}{107,079}$	
	= .56	

STORAGE REQ'D = (.86 - .38)(2.2)(107,079)(1/12)
= 4,123 FT³

STORAGE PROVIDED = 40' x 160' x 1.5' x .80 =
= 4800 FT³

PARKING REQUIREMENTS

OFFICE, RESTROOM, MECHANICS' LOCKERROOM, CONFERENCE, LOUNGE & SALES AREA — 6125 ÷ 200 = 31 SPACES

PARTS SERVICE (HEAVY EQUIPMENT), WASH, COMPONENT REPAIR, ETC. — 13,154 ÷ 1000 = 14 SPACES

45 REQ'D

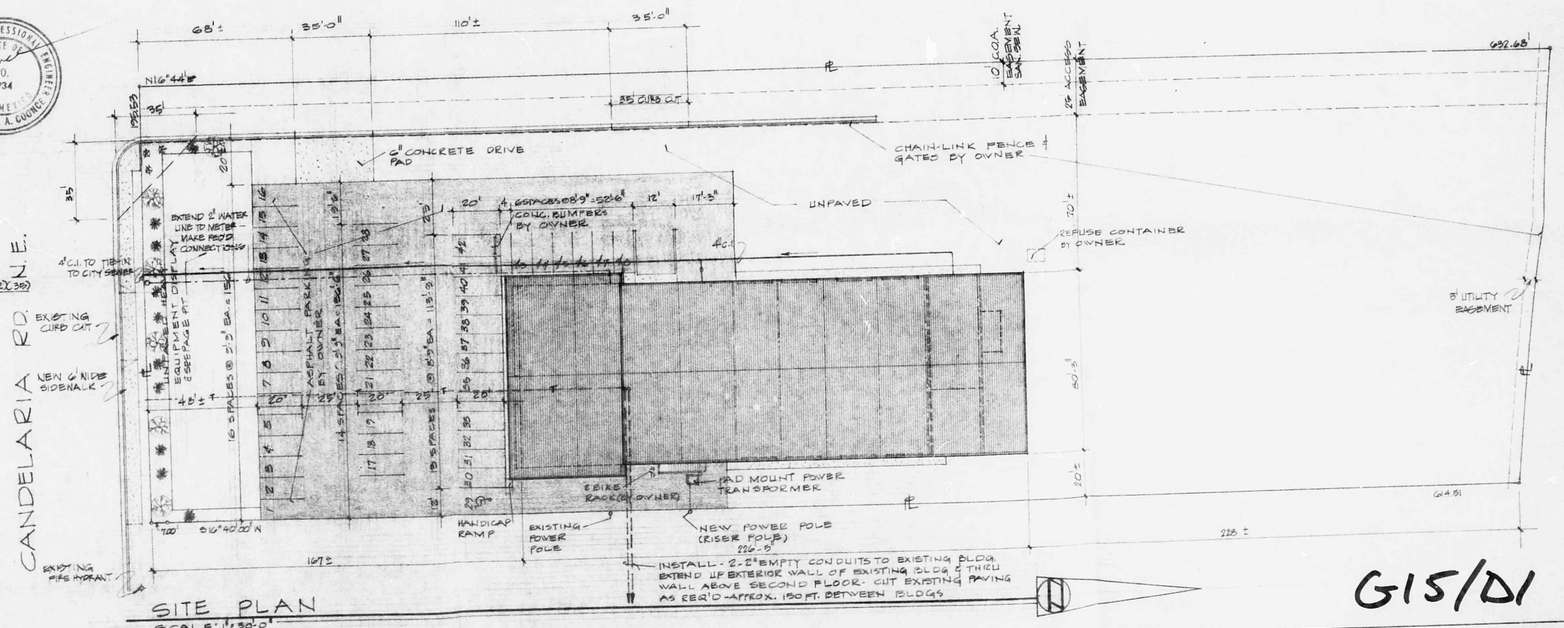
1 HANDICAP SPACE, 2 BIKE SPACES REQ'D.

45 TOTAL SPACE PROVIDED

21,045 SQ.FT. PARKING & ACCESS x 7% = 1474 SQ.FT. LANDSCAPE REQ'D. — 1760 ✓ PROVIDED

LANDSCAPE LEGEND (WATER FROM HOSE BIBB BY HAND)

- SILVER MAPLE 10-14 FT TALL W/ 1½" CALIPER
- 5 GAL. NANDINA
- CREEPING JUNIPER 5 GAL.



SITE PLAN
SCALE: 1" = 30'-0"

G15/D1

STATE OF NEW MEXICO — JESSE A. PACHECO, JR. — No. 210 — REGISTERED ARCHITECT

DURA BILT PRODUCTS, INC.
GENERAL CONTRACTORS LICENSE NO. 3044
4808 JEFFERSON NE PH 883-9100 ALBUQUERQUE NM 87109

GRADING & DRAINAGE PLAN
SITE PLAN

CRIST MACHINERY
721 CANDELARIA N.E.
ALBUQUERQUE, N.M.

DATE: 6 JUNE 1980
JOB NO: 80-113
SHEET NO: 1 OF 16

REVISED: 16 JUNE 80; PARKING LAYOUT

BRINING 40-22 35447