Copy — Owner's Copy
Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Permit No. /

(1) OWNER: Name (b)(6) [redacted] Address (b)(6) [redacted] Yakima Wash

(2) LOCATION OF WELL: County Yakima — NE ¼ SW ¼ Sec. 27 T. 13 N., R. 18 W.M.

Bearing and distance from section or subdivision corner SE 164' of W 168' of N 243.1' of S 807.1'

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 1
New well ☒ Deepened ☐ Reconditioned ☐
Method: Dug ☐ Bored ☐ Cable ☐ Driven ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 65 ft. Depth of completed well 65 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6" Diam. from 0 ft. to 40 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☒ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☒
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 38 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level ft.
Static level 11½ ft. below top of well Date 29-11-74
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom?
Yield: 7.5 gal./min. with ft. drawdown after hrs.
" " Pumped with 1½
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Top Soil	0	4
Hardpan & Gravel layers	4	34
Sandstone & Clay layers	34	51
Sandstone & Shale layers		
With Water	51	65

USEPA SF
1599813

Work started 29-11 1974 Completed 29-11 1974

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Crestwood Drilling Inc. (Person, firm, or corporation) (Type or print)
Address 2202 Rainier Rd Yakima Wash
[Signed] Chester A. Westwood (Well Driller)
License No. C112 Date 29-11, 1974

(USE ADDITIONAL SHEETS IF NECESSARY)

S.F. No. 7356—OS—(Rev. 4-71).

YPLSF 1.3

Original — First Copy with Dept. of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. G 3-20651

Permit No. G 3-20651 P

(1) OWNER: Name City of Yakima Address 129 N. 2nd St., Yakima, Wa. 98901

(2) LOCATION OF WELL: County Yakima — SW ¼ SW ¼ Sec. 27 T. 13 N., R. 18 W.M.

(2a) and distance from section or subdivision corner N. 50° W 320' from SE cor. SW¼SW¼

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☒ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 8 inches.
Drilled 352 ft. Depth of completed well 222 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 12" Diam. from 0 ft. to 50 ft.
Threaded ☐ 8" Diam. from +2 ft. to 352 ft.
Welded ☒ ____" Diam. from ____ ft. to ____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used ster
SIZE of perforations ¼ in. by 1¼ in.
2400 perforations from 245 ft. to 330 ft.
____ perforations from ____ ft. to ____ ft.
____ perforations from ____ ft. to ____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 56 ft.
Material used in seal Neat cement
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name Tait
Type: Verticle Turbine H.P. 60

(8) WATER LEVELS: Land-surface elevation above mean sea level 1765' ft.
Static level 18 ft. below top of well Date 9/26/73
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom Fosseens
Yield: 600 gal./min. with 60 ft. drawdown after 6 hrs.
" 500 " 62 " 10 "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
2:00	30	2:01½	50	2:05	25

Date of test 9/12/73
Bailer test 60 gal./min. with 12 ft. drawdown after 1 hrs.
Artesian flow g.p.m. Date
Temperature of water 55 Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
top soil tan	0	3
Conglomerate gravel & boulders firm	3	73
" gravel & sand med. soft	73	80
Sand gray loose med. to fine	80	92
Conglomerate gray firm	92	100
Sandstone with gravel & silt Med soft	100	106
Conglomerate tan med. firm	106	113
" gray hard	113	129
" gravel & sand silt brown soft	129	145
" tan hard	145	147
" Sand & gravel silted m. soft	147	202
" coarse tan heavy silt	202	215
" clay sand s. gravel soft	215	219
" tan firm	219	220
" gravel & sand-clay interbeds	220	241
" tan hard	241	246
" tan firm-narrow soft strata	246	262
Clay tan with small gravel & sand soft	262	271
Compacted small gravel-sand-silt light brown-good water	271	280
Clay-tan-some gravel-sand soft	280	286
Conglomerate tan (light) med. firm	286	305
Compacted sand-small gravel tan light silt (water)	305	312
Compact gravel-sand-heavy silt tan (water)	312	324
Compact sand-coarse-brown (water)	324	331
Clay with sand-tight	331	352

Major aquifers at 271ft. to 280ft.
305ft. to 331ft.

Other noticable lesser aquifers
50ft. to 55ft. 100ft. to 105ft.
Possible other unnoticable narrow layers

Work started 7/16, 19 73 Completed 9/26, 19 73

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Cassel Well Drilling (Person, firm, or corporation) (Type or print)

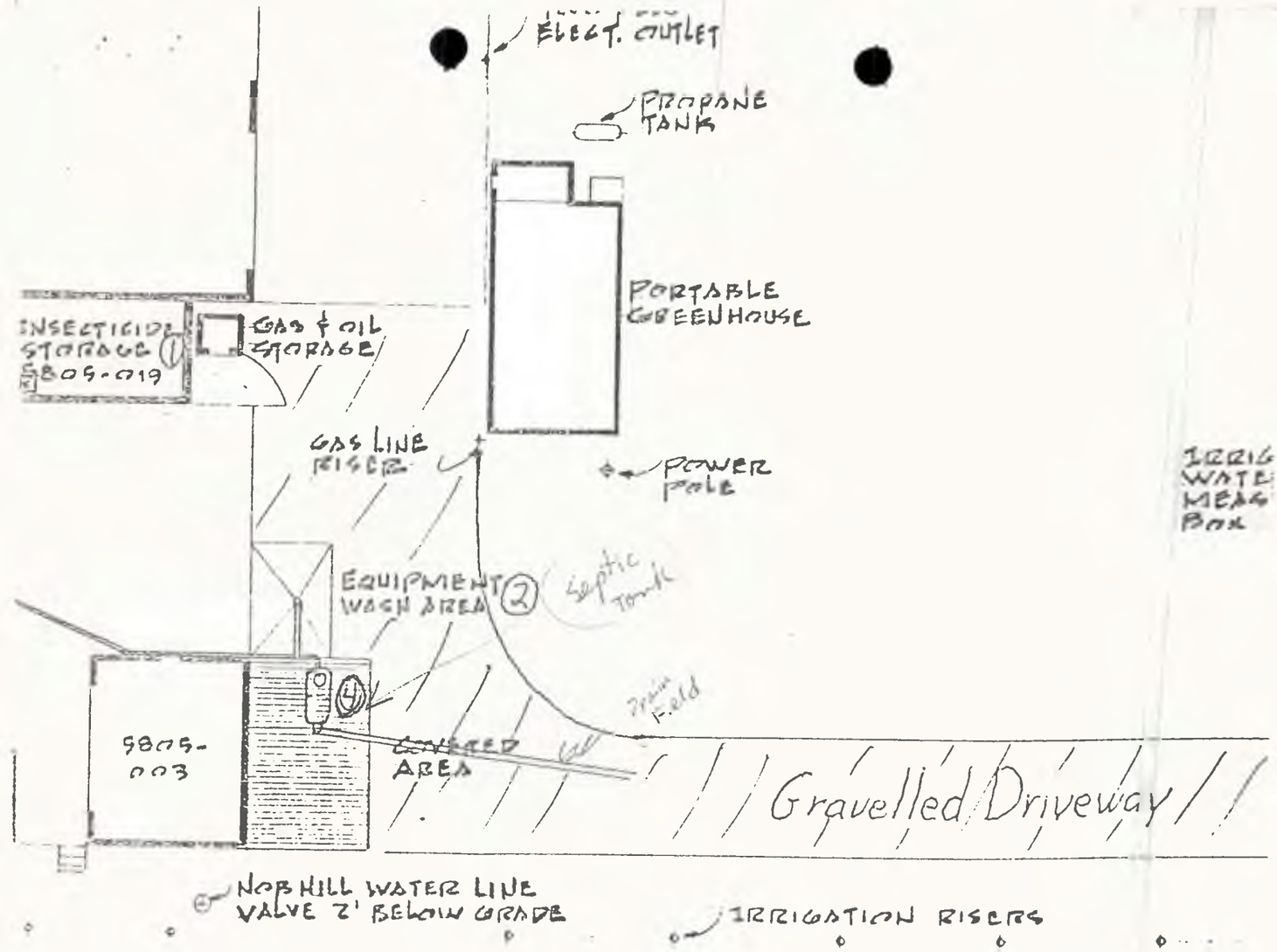
Address 1508 Voelker Yakima, Wa. 98902

[Signed] Larry R. Cassel (Well Driller)

License No. 0075 Date 9/26/73, 19

(USE ADDITIional SHEETS IF NECESSARY)

14

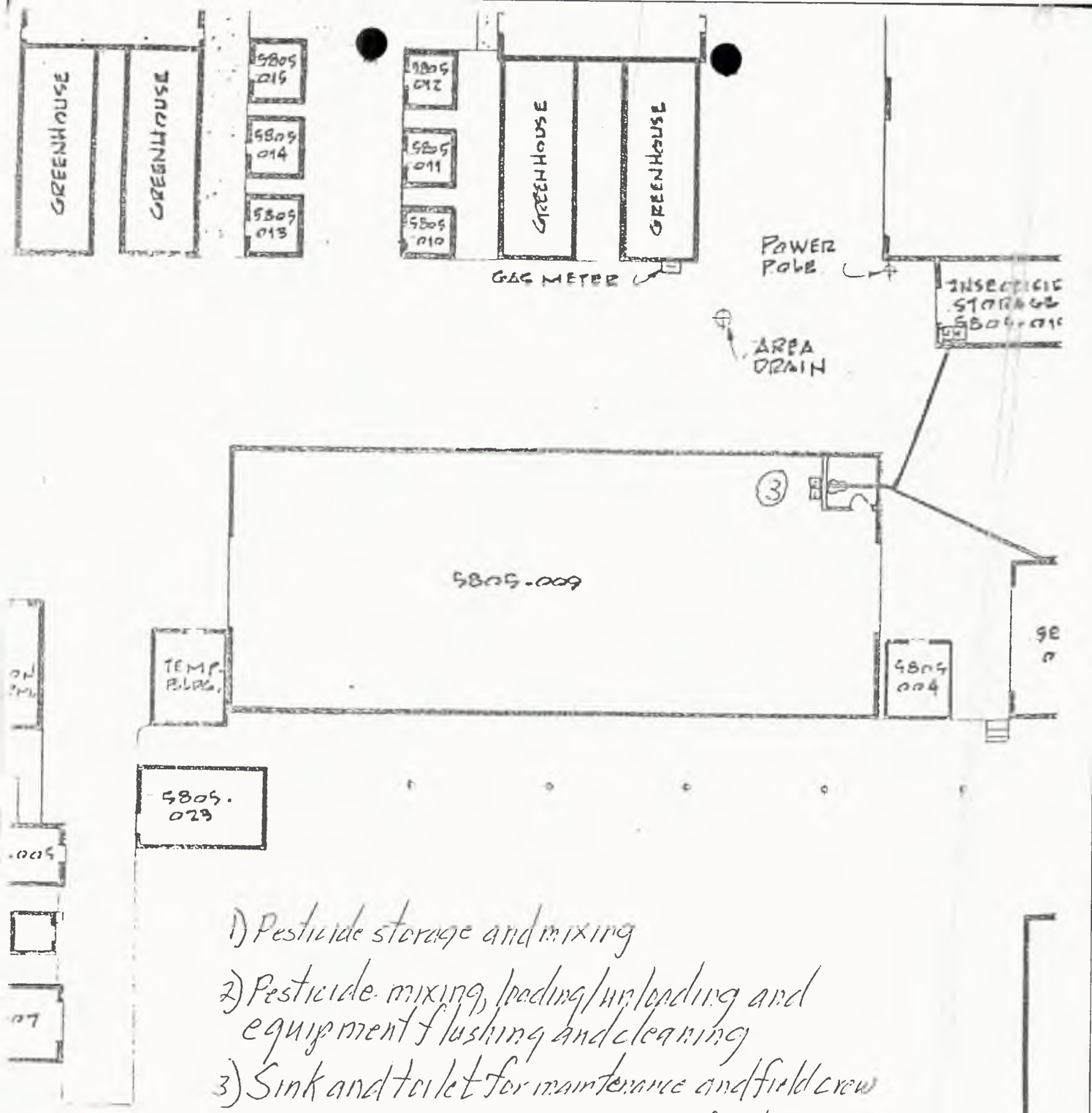


BROWN - PROJECT LEADER

REVISIONS

DRAWN BY PLF	"AS-BUILT" FACILITY
CHECKED BY BB	

U.S.D.A. YAKI
AGRICULTURAL R
3706 WEST NOB HILL BLVD.
PAT FREEMAN &
ENGINEERING SE
502 N. GIBBS AVE.



1) Pesticide storage and mixing

2) Pesticide mixing, loading/unloading and equipment flushing and cleaning

3) Sink and toilet for maintenance and field crew

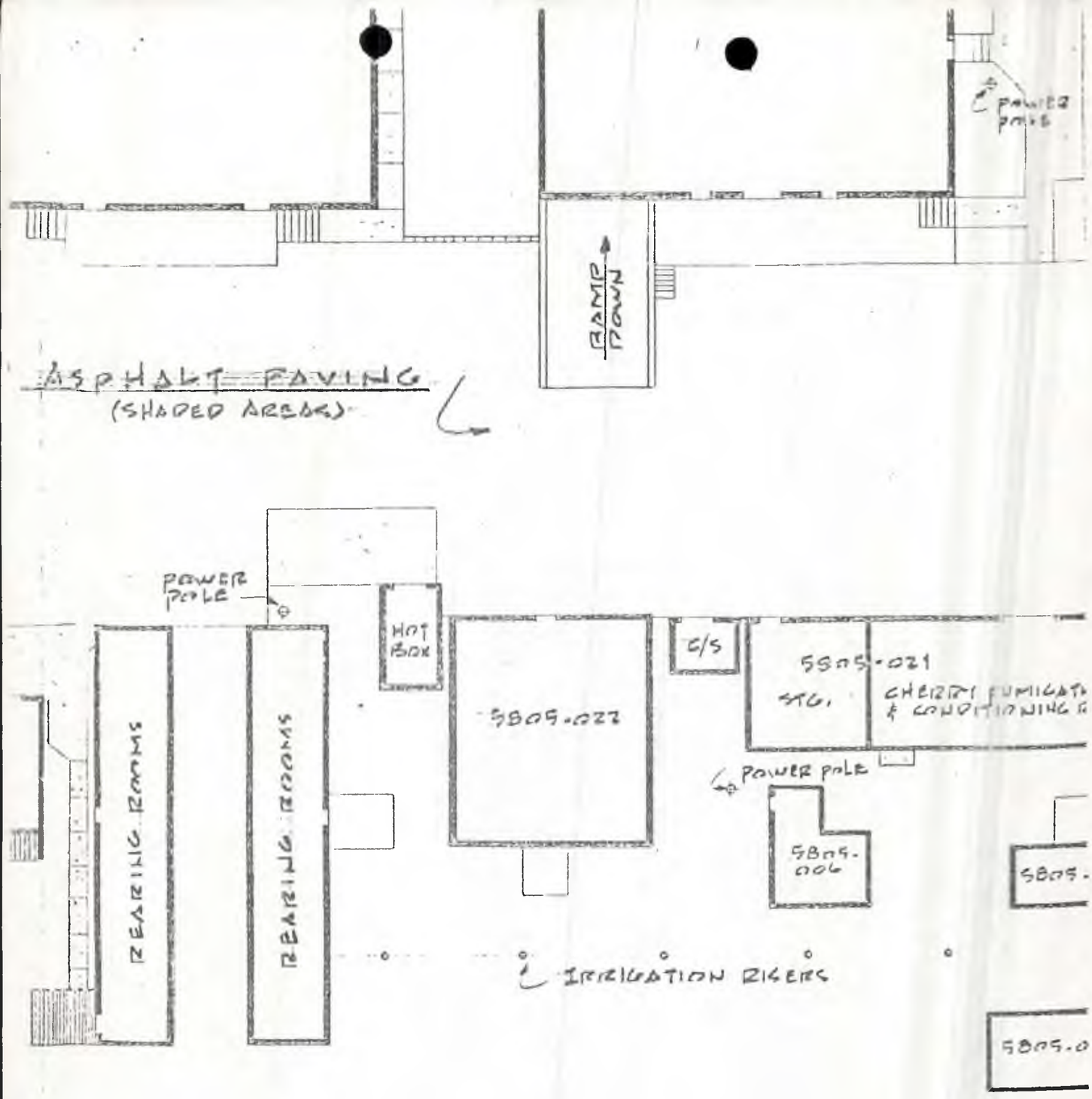
4) 300 (est) Septic tank and drain field

Estimate injection of <250 gallons mixed pesticides plus about 500 gallons of rinsate each year. Pesticides include insecticides, herbicides + fungicides at rates of 0.05 to 1.0 lb/gallon active ingredient

BROOKS BRAND

PLAN

LE - 1" = 20'-0"

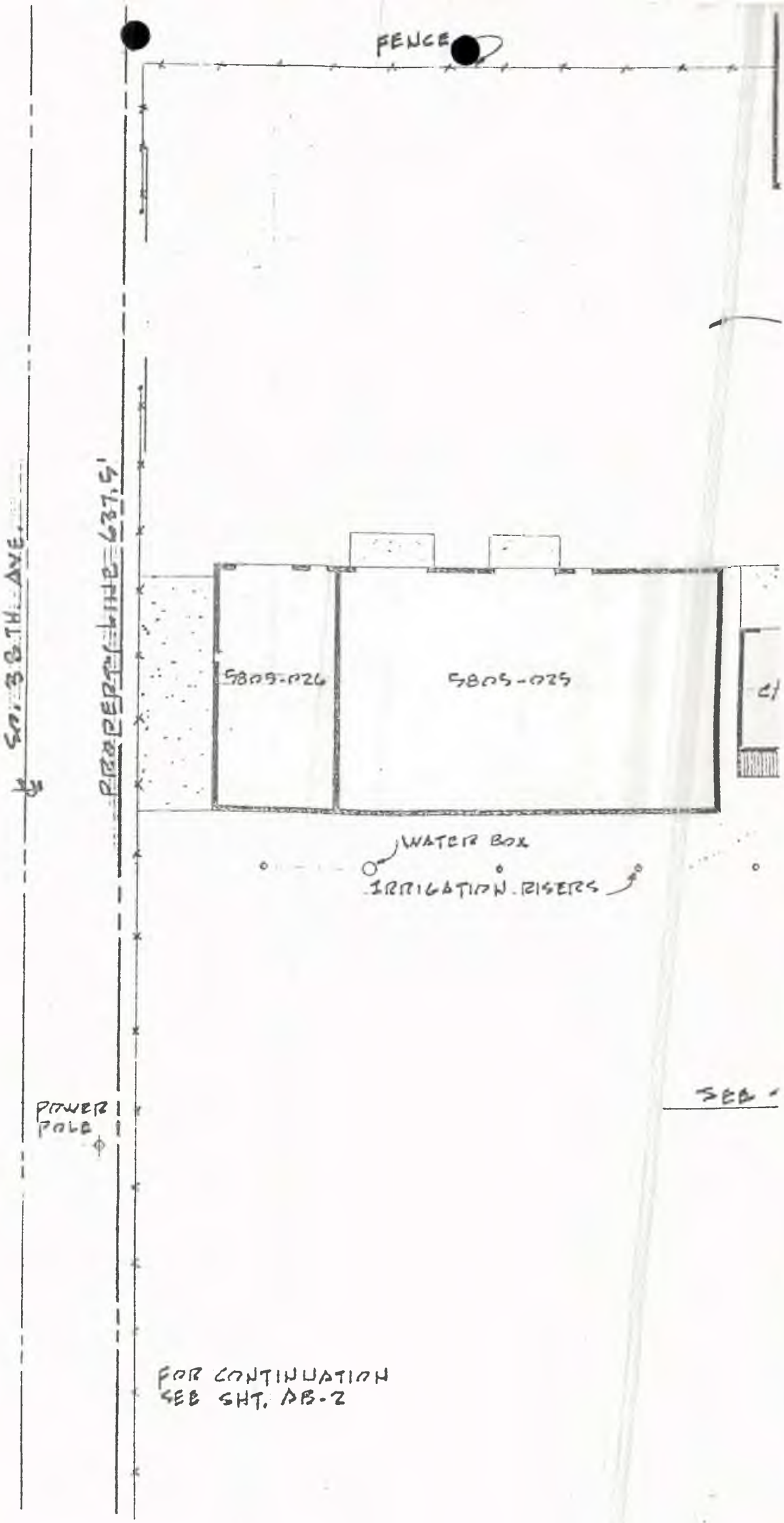


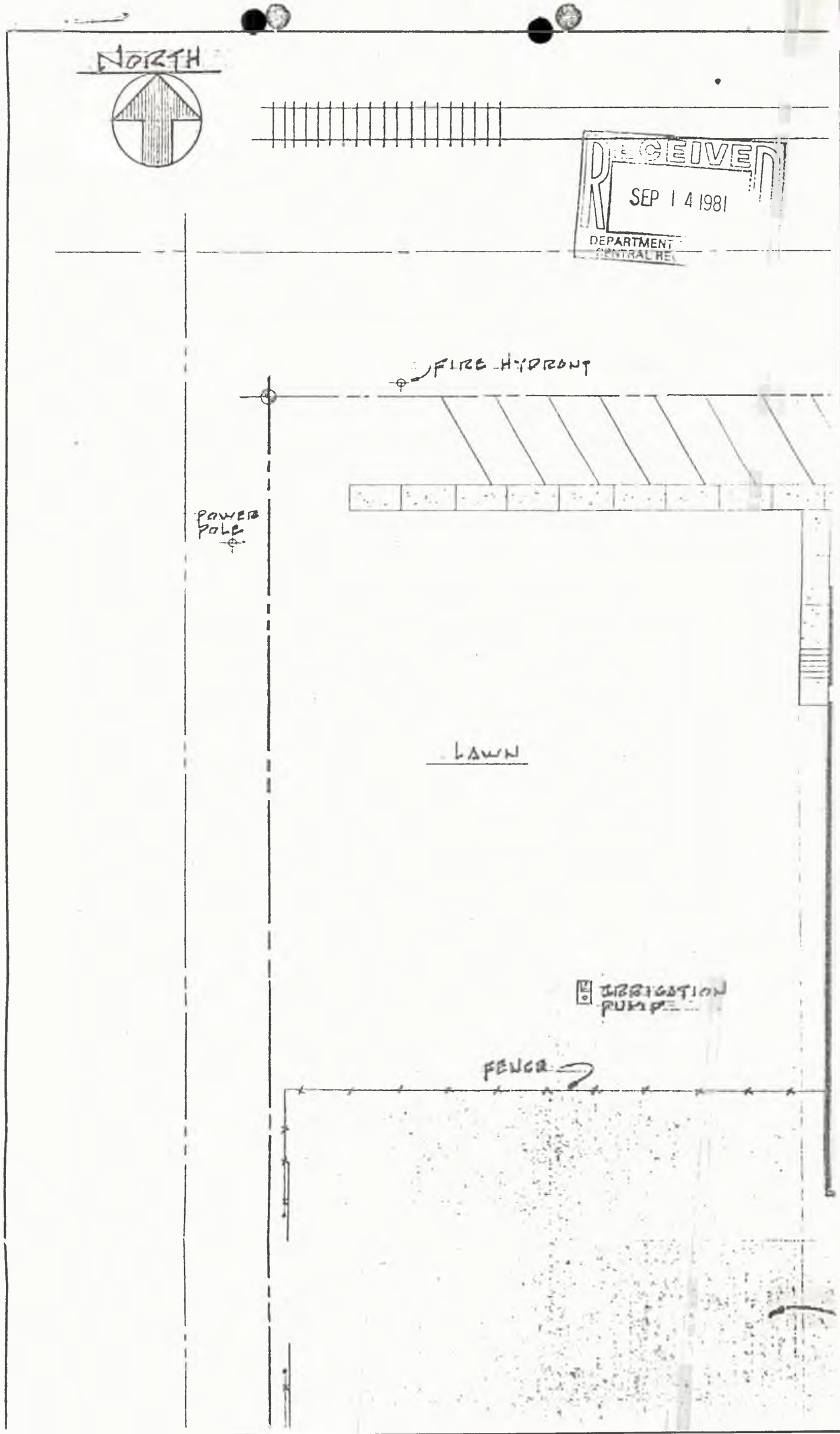
IT. AB-2 FOR ORCHARD LAYOUT

ORCHARD

PLOT

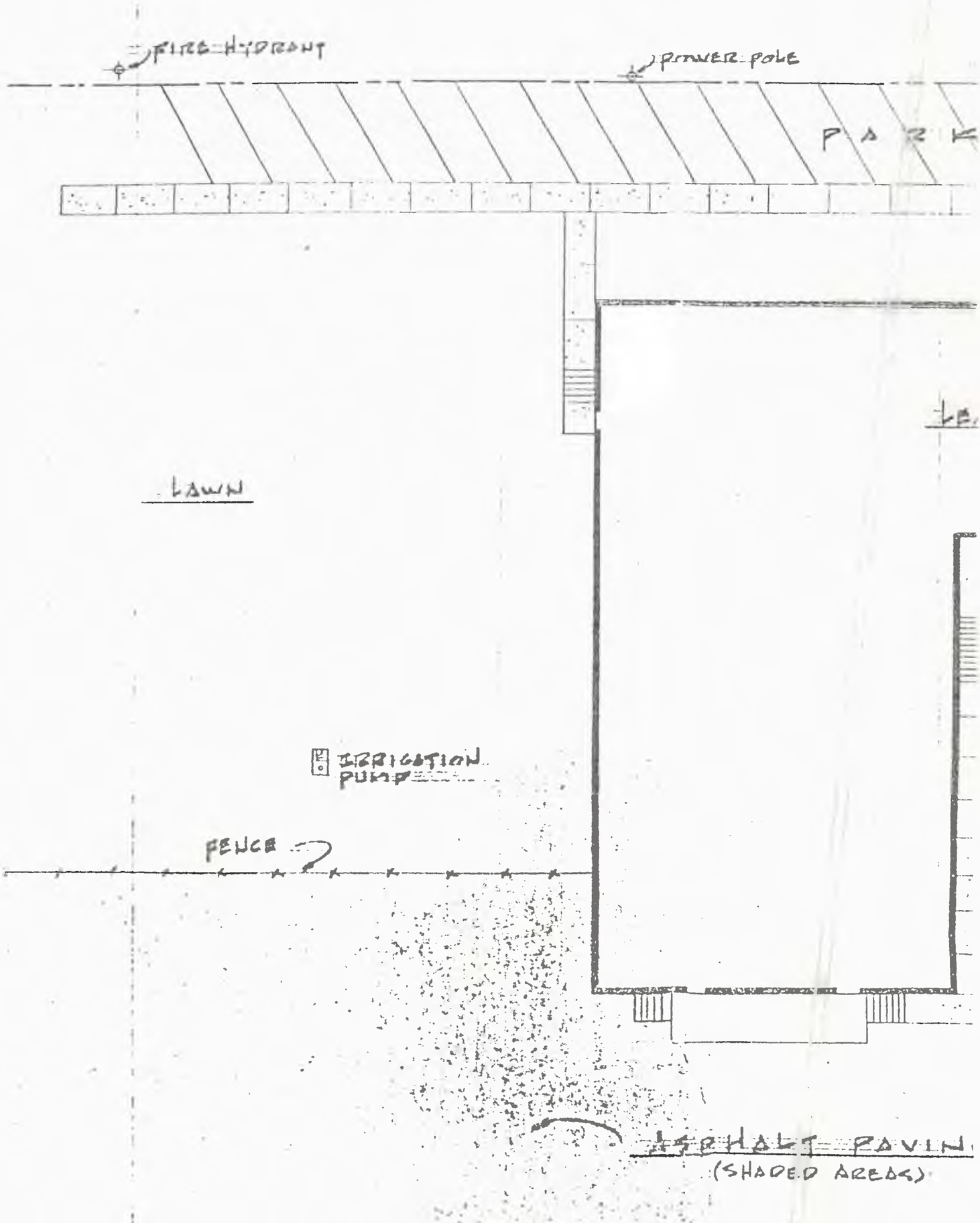
SCA

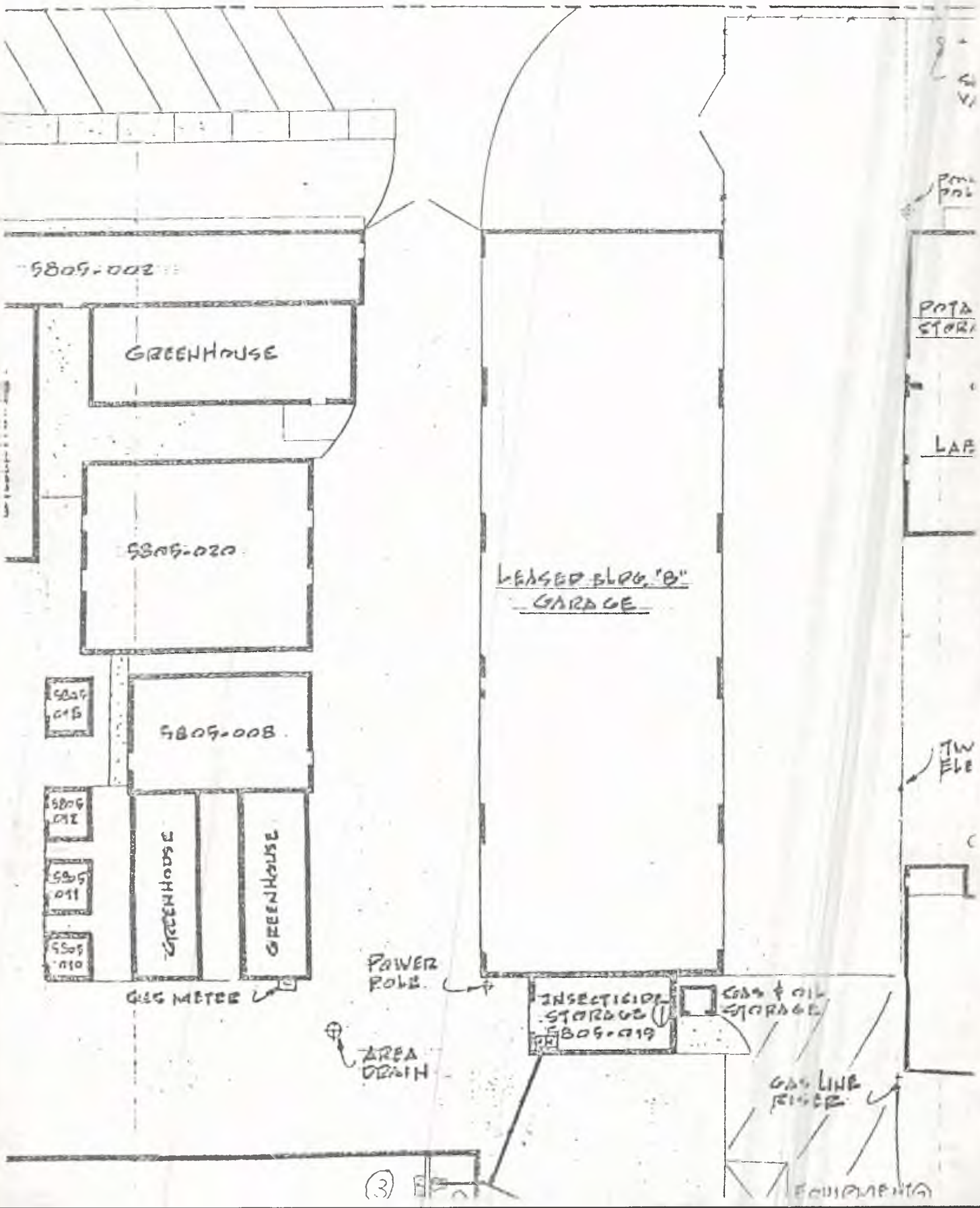

FENCE
SOUTH 38TH AVE.
PROPERTY LINE = 637.5'
5805-026
5805-025
WATER BOX
IRRIGATION RISERS
POWER POLE
SEE
FOR CONTINUATION
SEE SHT. AB-2

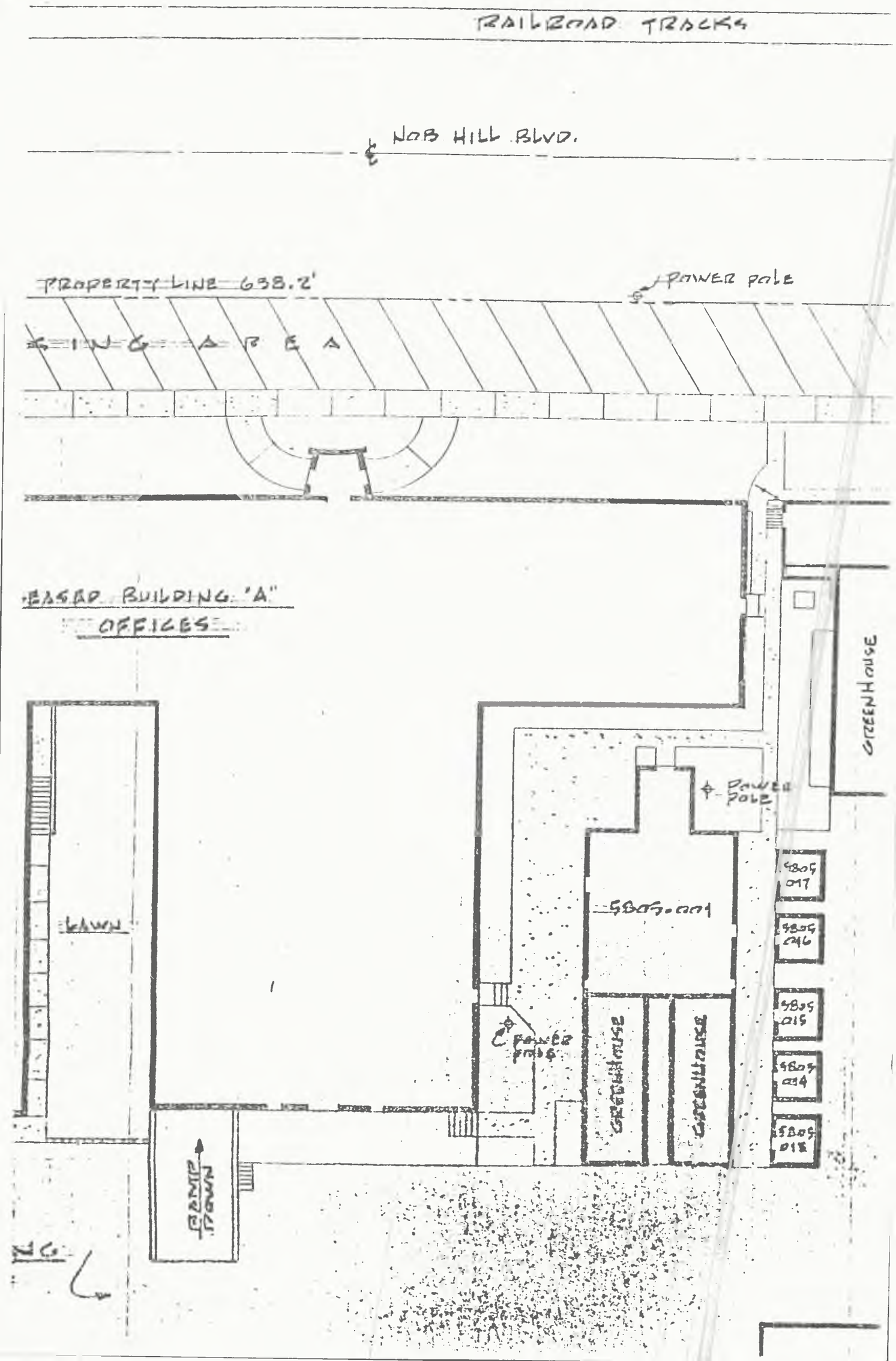


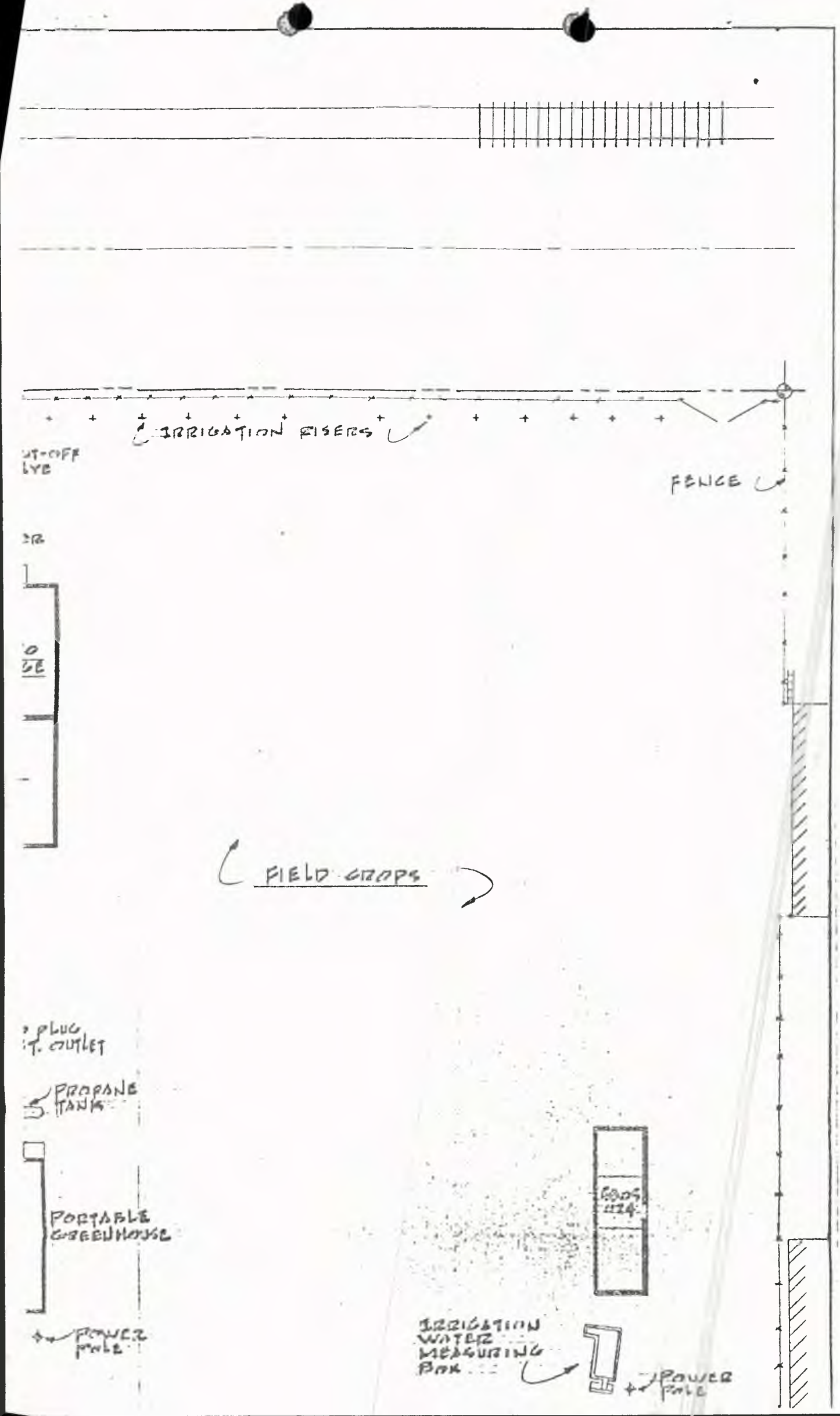
RECEIVED
SEP 14 1981
DEPARTMENT
CENTRAL RE

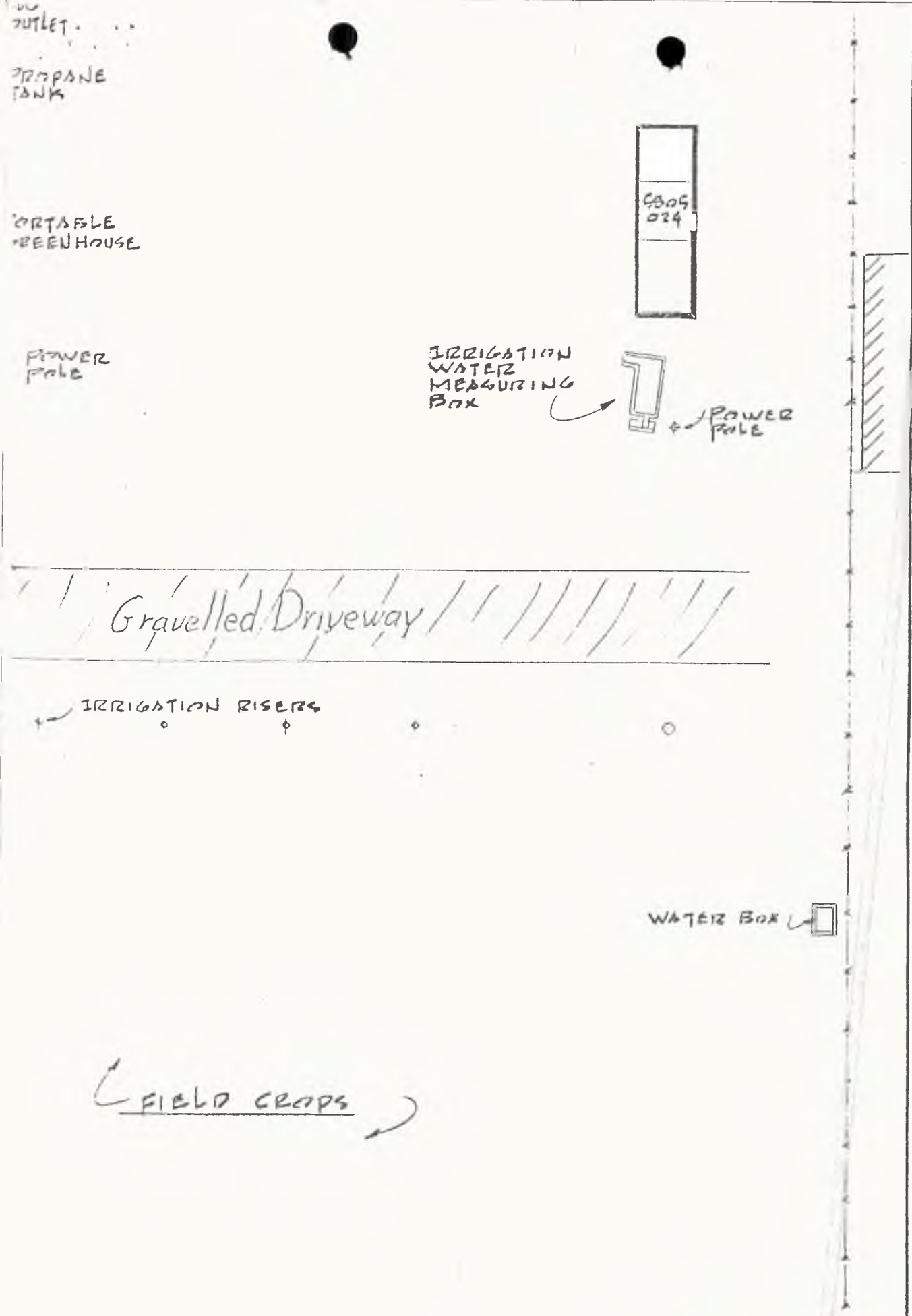
RECEIVED
SEP 14 1981
DEPARTMENT
CENTRAL REC




5805-002
GREENHOUSE
5805-020
5805-008
GREENHOUSE
GREENHOUSE
GAS METER
POWER POLE
AREA DRAIN
LEASED BLDG. "B"
GARAGE
INSECTICIDE STORAGE
5805-019
GAS & OIL STORAGE
GAS LINE FILTER
LAB
(3)


RAILROAD TRACKS
NOB HILL BLVD.
PROPERTY LINE 638.2'
POWER POLE
PARKING AREA
BASED BUILDING "A"
OFFICES
GREENHOUSE
POWER POLE
5805.001
5805 017
5805 016
5805 015
5805 014
5805 013
LAWN
POWER POLE
GREENHOUSE
GREENHOUSE
RAMP DOWN


IRRIGATION RISERS
FENCE
FIELD CROPS
PLUG
OUTLET
PROPANE TANK
PORTABLE GREENHOUSE
POWER POLE
IRRIGATION WATER MEASURING BOX
POWER POLE



DRAWN BY PLF CHECKED BY BB	"AS-BUILT" FACILITY LAYOUT FOR:	JOB NO
	U.S.D.A. YAKIMA AGRICULTURAL RESEARCH 3706 WEST NOB HILL BLVD. YAKIMA, WASHINGTON	DATE JUNE 1981 SHEET AB-1
	PAT FREEMAN & ASSOCIATES ENGINEERING SERVICES 702 N. 63RD. AVE. YAKIMA, WASHINGTON	OF 2