HYDROLOGY

F18/D14
THREE PLAN

F 18 – D 14

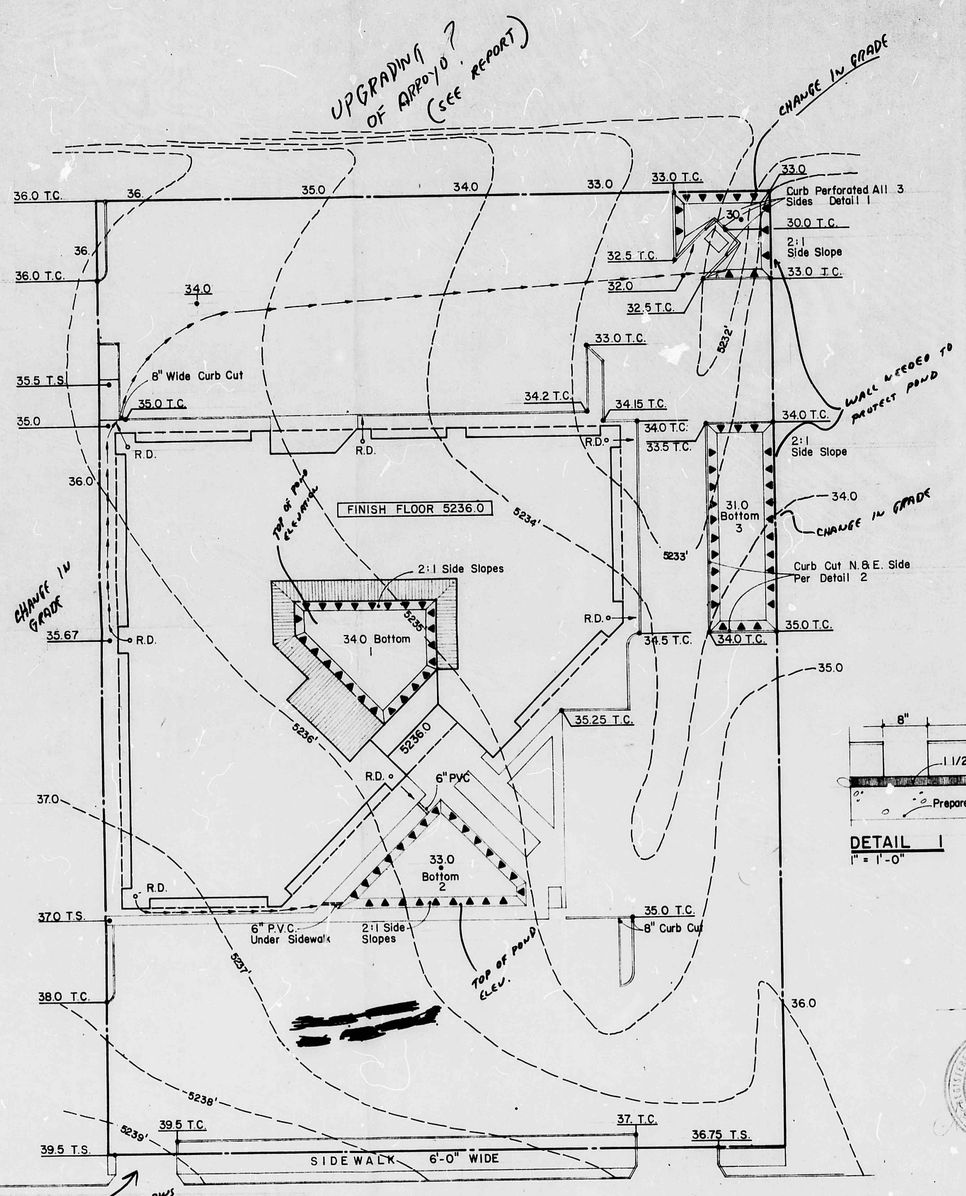
3 PLANS

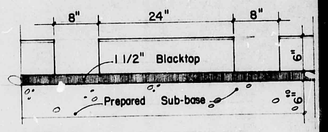
WHAT AREAS ARE TO REMAIN PERVIOUS?

I

OUTLINE DRAINAGE AREAS.

UPGRADING OF ARROYO? (SEE REPORT)





DETAIL 1
1" = 1'-0"

DRAINAGE CALCULATIONS

Lot Area = 56,000 ft.^{2}
Landscaped Area = 10,510 ft.^{2}
Roof and Parking Area = 45,490 ft.^{2}

Due to curbing around landscaped area, runoff coefficient = 0.
Developed area; roof and parking C = 0.90
i.e. Depression storage and absorption = 0.10

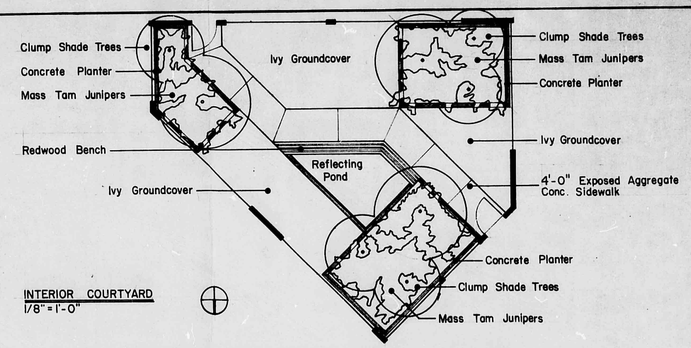
Natural Lot C = 0.35
Fraction of rainfall needed to store 0.90 - 0.35 = 0.55
100 year 6 hr. storm = 2.4 inches

Volume os storage needed (0.55)(45,490)(2.4/12) =@ 5004 ft.^{3}
Volume of storage provided =@ 6304 ft.3.

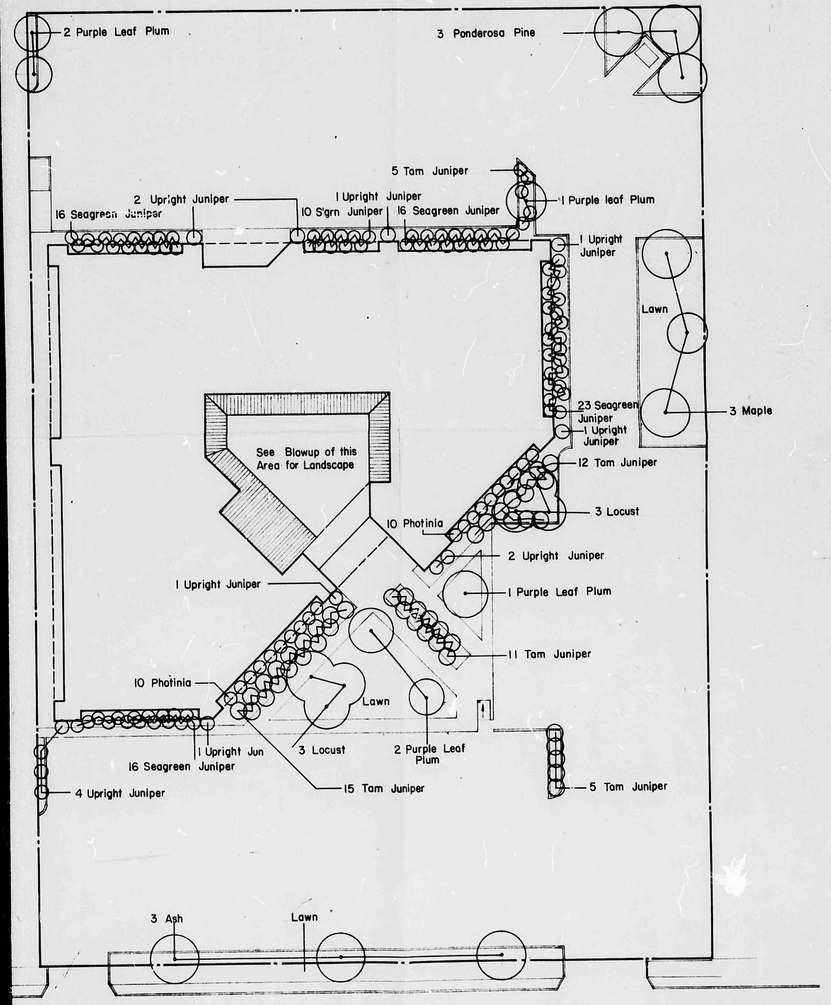
LEGEND
R.D. Roof Drain
T.S. Top of Slab
T.C. Top of Curb

SITE DRAINAGE PLAN
SCALE 1" = 20'
NORTH

STATE OF NEW MEXICO
NO. 260
JESSE A. PACHECO, JR.
CHANNELL GRAHAM
NO. 340
REGISTERED ARCHITECTS



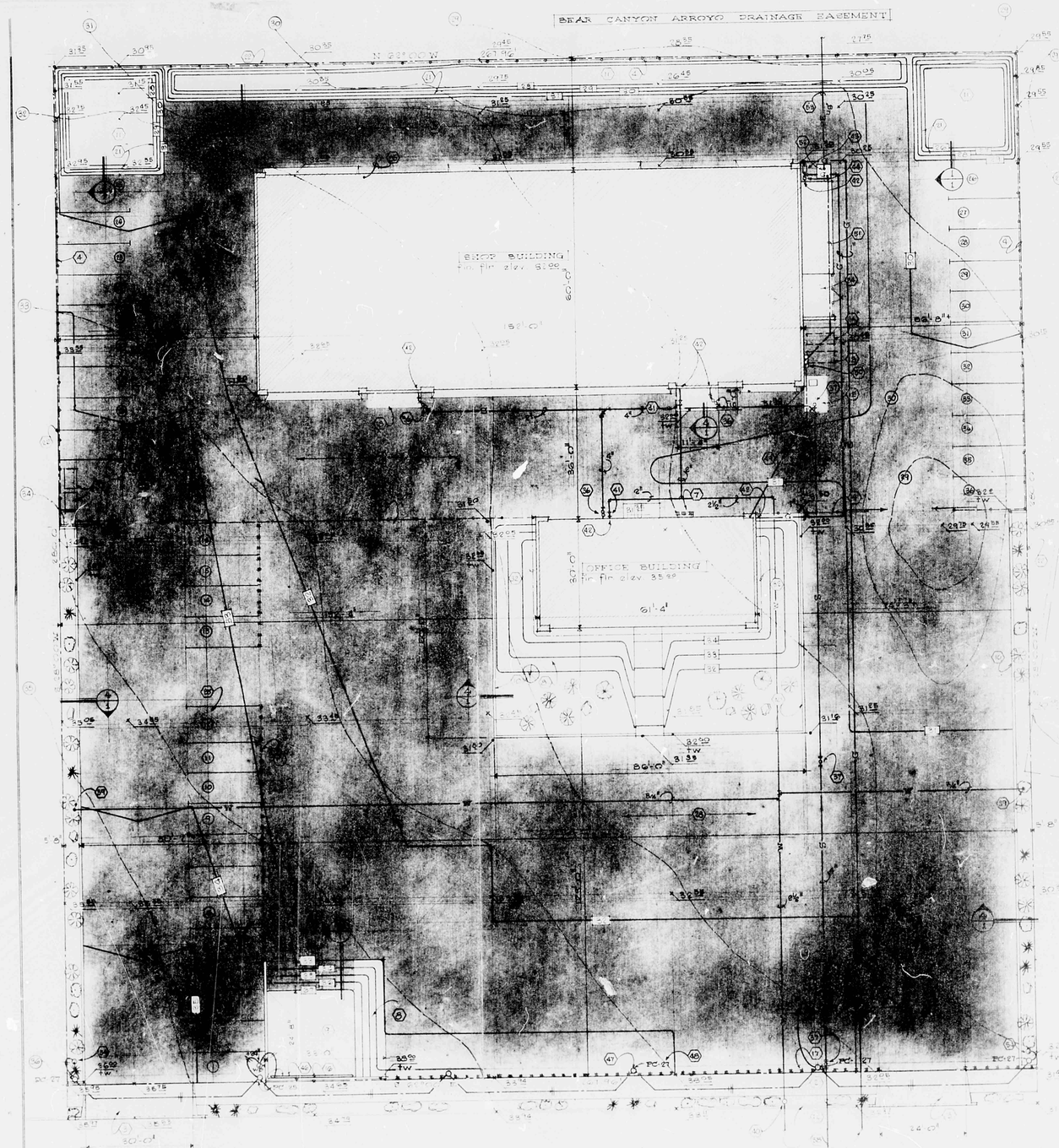
INTERIOR COURTYARD
1/8" = 1'-0"



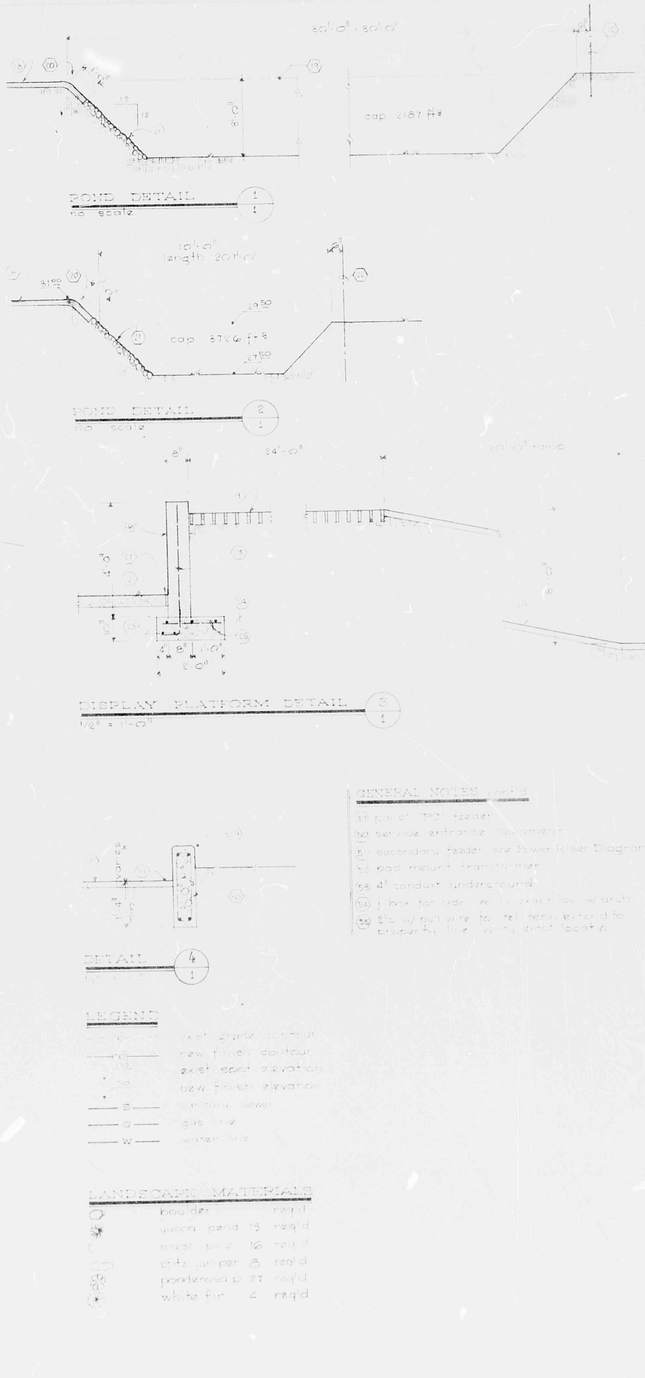
LANDSCAPE PLAN
SCALE 1" = 20'
NORTH

F18 1D14

VAUGHAN OFFICE BUILDING
SITE DRAINAGE PLAN
LANDSCAPE PLAN
[redacted]
PROJ. NO. 7719 DATE 1/28/79 SHEET NO. [redacted]



PLOT PLAN



GENERAL NOTES (cont'd)

10 parking area
11 concrete wall - see det
12 exist conc curb & gutter to remain
13 waste oil storage tank - u/g
14 gasoline tank u/g
15 gas pump isl 6'-0" x 10'-0" conc slab flush w/pvmt
16 decorative conc mas wall - see det
17 ornamental trees @ 8'-0" o.c. set tops @ 30" above grade
18 4'-0" deep conc pilot 4" th. w/ 6x6 1/4x6 wire flush w/pvmt
19 top of bank elev 5100 east 5200 west - see plan
20 mill bit paving over edge of bank as shown
21 place rip-rapping on inlet bank - typical
22 property line
23 #4 @ centers
24 #4 @ centers
25 #4 @ 16" o.c.
26 split face block - grout all cells full
27 1/2" expan matl
28 bituminous paving
29 see plan for top of wall elev
30 #4 cont top & bot w/ #3 ties @ 36" o.c.
31 finish grade varies - see plot plan
32 4" ø round drain pert. slope to drain to daylight provide 1 cu ft/ft gravel till over drain.
33 all excavation & filling operations including engineered fill beneath buildings, to conform to recommendations & procedures outlined in Atlas Testing Labs report #7684 dated 11-14-78, copy available @ Archs Office
34 air compressor enclosure
35 this space marked for handicapped use
36 2" wye cleanout to grade, see det, plbg dwgs
37 cleanout to grade, see det, plbg dwgs
38 extend to utilities & connect - verify exact loc. @ site
39 set post hydrant w/shut off valve & vacuum breaker in box - see det, plbg dwgs
40 water meter for 35 gpm.
41 building shut off valve in box - see det, plbg dwgs
42 [illegible] - see det
43 [illegible] - see det
44 [illegible] - see det
45 connect new 4" sa line to exist san sewer main w/ drop connection.
46 type 1 - xxxxx metal per detail on sht 16
47 type 1 fixtures tub det & install per detail on sht 16
48 indicates branch circuit to which fixture to be connected

GENERAL NOTES (cont'd)

11 [illegible] feeder
12 service entrance conduit
13 secondary feeder - see Power Riser Diagram
14 pad mount transformer
15 4" conduit underground
16 1 pair for main [illegible]
17 2% of fall line to fall [illegible] to concrete line [illegible]

DETAIL

LEGEND

LANDSCAPE MATERIALS

boulder	req'd
[illegible]	req'd
[illegible]	req'd
[illegible]	req'd
pondersosa pine	req'd
white fir	req'd

THIS MICROFIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

GENERAL DESCRIPTION

Site A - Pinnacle Acres Addition

BUILDING DATA

wall load (wind)	15 psf	
roof loads DL	10 psf	
SL	5 psf	
LL	40 psf	75 psf
[illegible]		[illegible]
[illegible]		5,000 psi

BUILDING DATA

zone	C-2
occupancy group office	B-2
shop	B-1
construction type	[illegible]

PARKING REQUIREMENTS

211 car display	[illegible]
shop equipment	[illegible]
work area	[illegible]
[illegible]	[illegible]
vehicles etc	[illegible]
total [illegible]	[illegible]
retention pond capacity	[illegible]
landscaping	[illegible]
[illegible]	[illegible] total

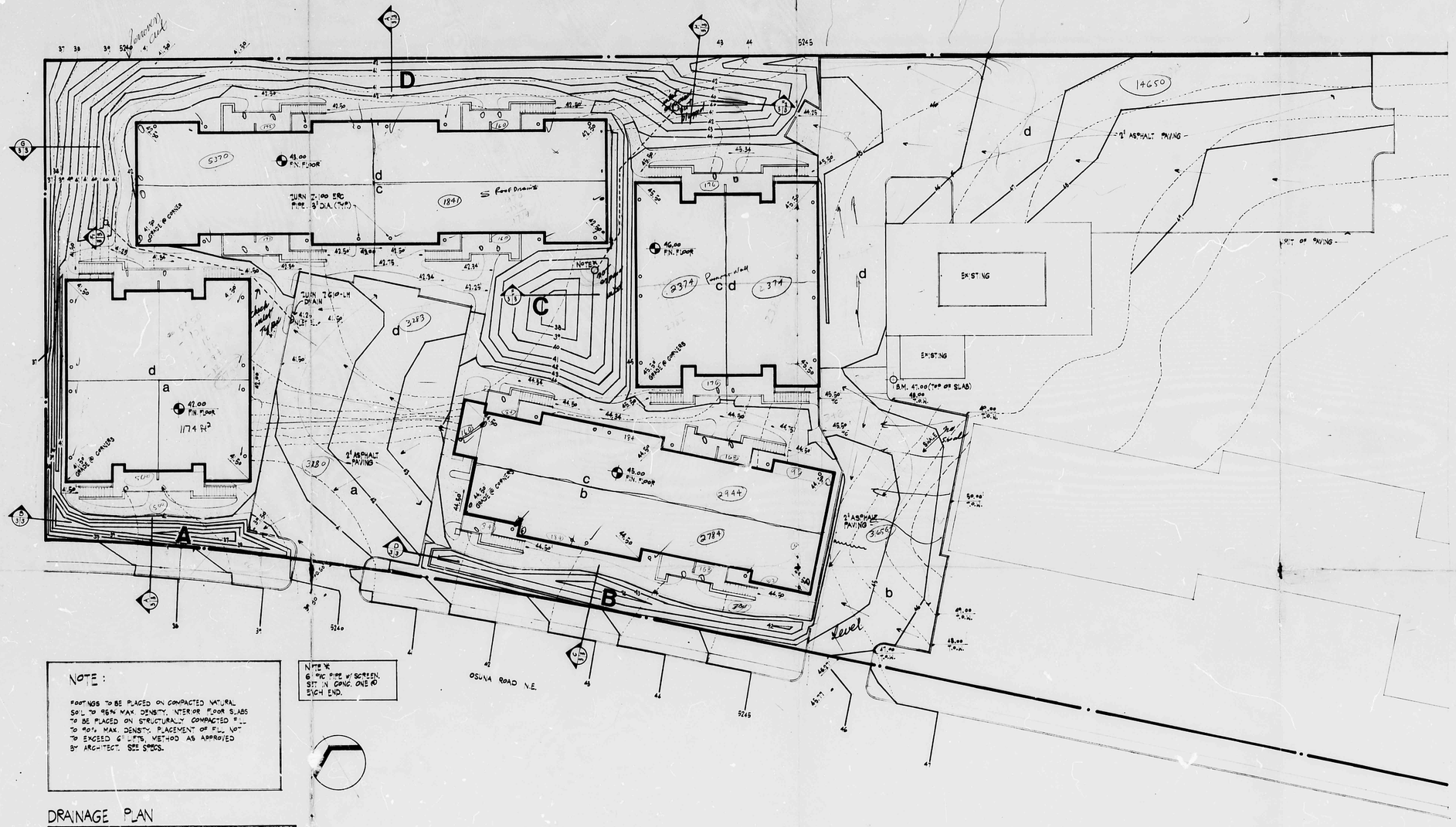
STATE OF NEW MEXICO
WILLIAM H. WILSON
No. 271
REGISTERED ARCHITECT

WILLIAM H. WILSON
ARCHITECT
[illegible]

AUTO SALES & SERVICE BUILDINGS
6016 ACADEMY RD NE
ALBUQUERQUE, N. MEX

JOB NO	7812
DATE	
REVISED	
DRAWN	bw
SHEET OF	1 / 13
	PLOT PLAN

F18/D14



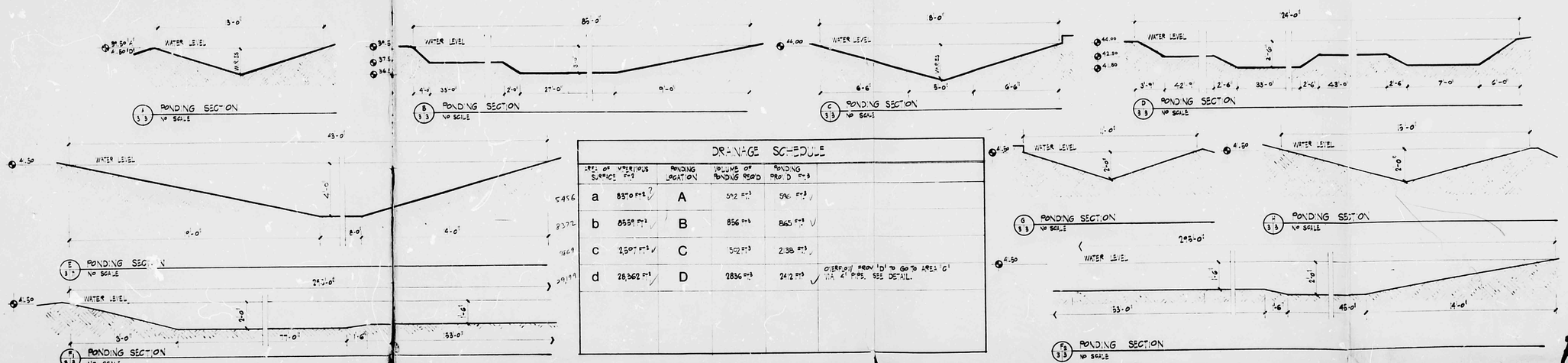
NOTE:

FOOTINGS TO BE PLACED ON COMPACTED NATURAL SOIL TO 95% MAX. DENSITY. INTERIOR FLOOR SLABS TO BE PLACED ON STRUCTURALLY COMPACTED FILL TO 90% MAX. DENSITY. PLACEMENT OF FILL NOT TO EXCEED 6" LIFTS, METHOD AS APPROVED BY ARCHITECT. SEE SPECS.

NOTE:
6" PVC PIPE W/ SCREEN. SET IN CONC. ONE RD EACH END.

DRAINAGE PLAN

1 INCH = 10 FEET



DRAINAGE SCHEDULE

AREA OF VARIOUS SURFACE FT²	PONDING LOCATION	VOLUME OF PONDING REQ'D	PONDING PROV'D FT³	
a 8570 FT²	A	592 FT³	596 FT³	
b 8559 FT²	B	856 FT³	865 FT³	
c 2507 FT²	C	502 FT³	238 FT³	
d 28,362 FT²	D	2836 FT³	2412 FT³	OVERFLOW FROM 'D' TO GO TO AREA 'C' VIA 4" PIPE. SEE DETAIL.

F18/D14

PROJECT CHATEAU ACRES APARTMENTS - ADDITION

OWNER ROGER COX

TITLE DRAINGE PLAN

JOB NUMBER 29

DATE 6-3-78 8-11-78

DRAWN RAG

CHECKED WAG

GATHMAN-MATOTAN ARCHITECTS-PLANNERS INC.
230 TRUMAN N.E., ALBUQUERQUE, NEW MEXICO 87108
TELEPHONE (505) 265-8329

SHEET 3 OF 24