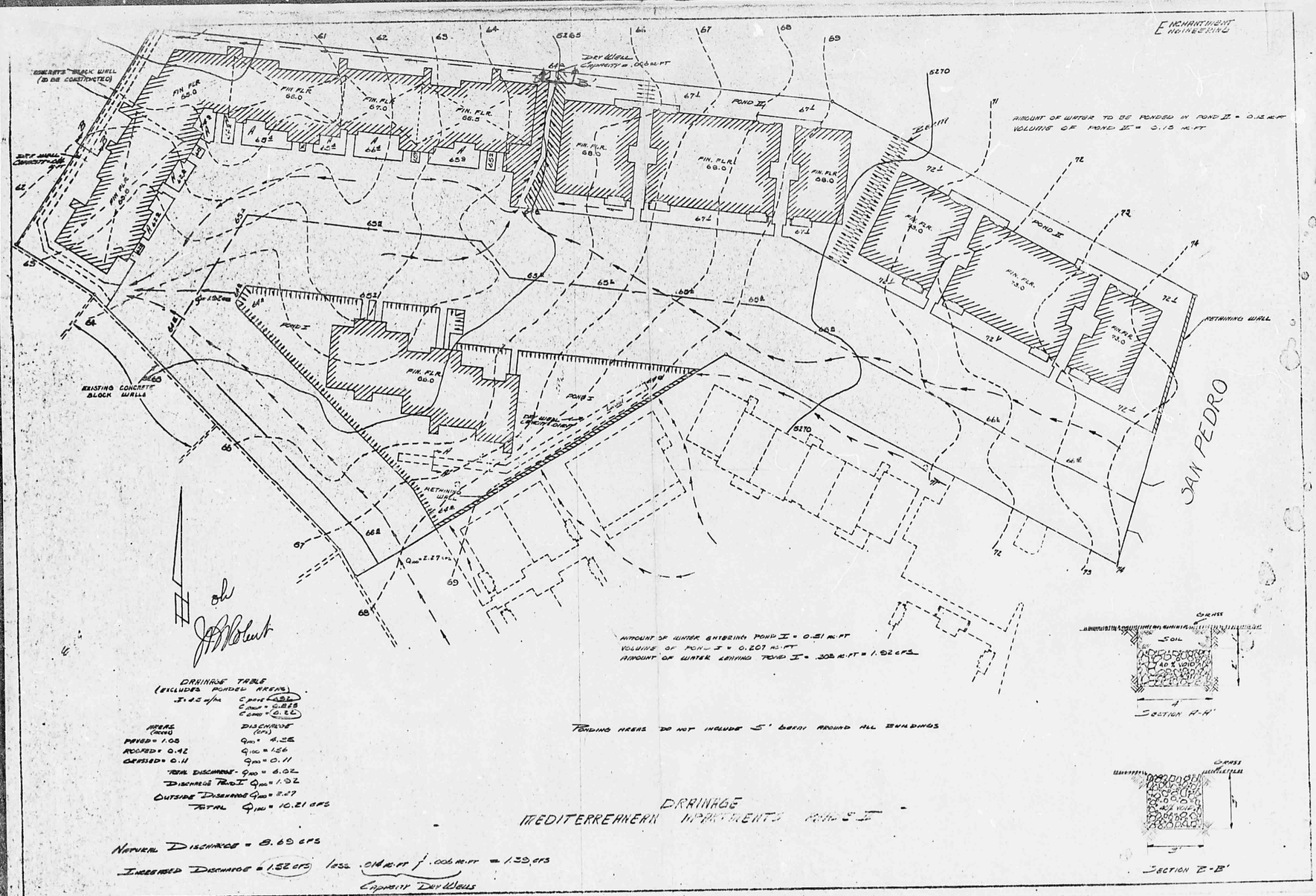
HYDROLOGY

F18/D3
ONE PLAN

F 18/D3

1 Plan

ENCHANTMENT ENGINEERING



DRAINAGE TABLE
(EXCLUDES PONDED AREAS)
I = 4.5 in/hr
C_{PAVE} = 0.92
C_{ROOF} = 0.828
C_{GRASS} = 0.25

AREAS (ACRES)	DISCHARGE (CFS)
PAVED = 1.05	Q_{100} = 4.25
ROOFED = 0.42	Q_{100} = 1.56
GRASSED = 0.11	Q_{100} = 0.11

TOTAL DISCHARGE - Q_{100} = 6.02
DISCHARGE THRU I Q_{100} = 1.52
OUTSIDE DISCHARGE Q_{100} = 2.27
TOTAL Q_{100} = 10.21 CFS

NATURAL DISCHARGE = 8.69 CFS
INCREASED DISCHARGE = 1.52 CFS less .018 AC-FT + .006 AC-FT = 1.39 CFS
CAPACITY DRY WELLS

DRAINAGE
MEDITERRANEAN APARTMENTS PHASE I