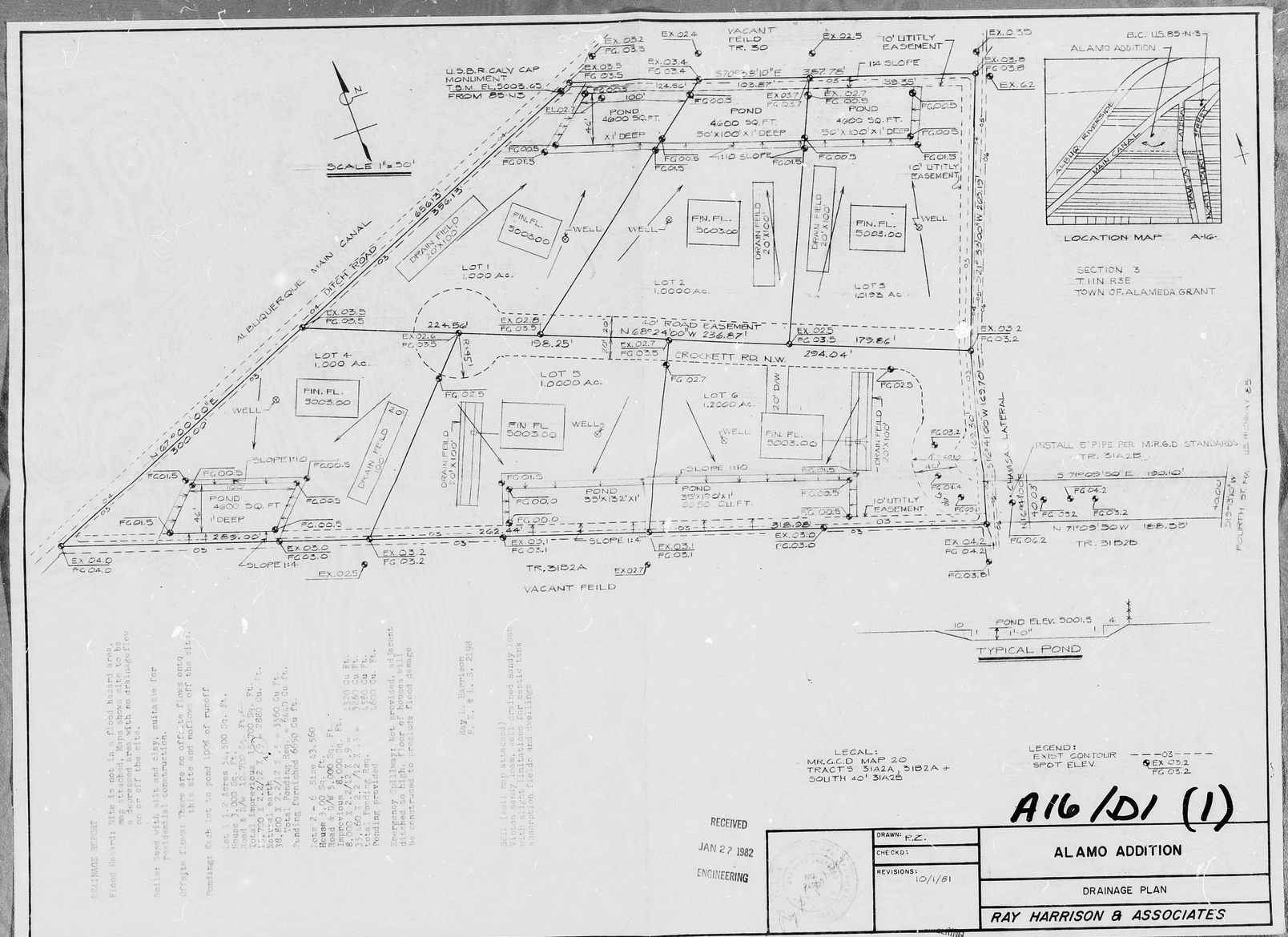
HYDROLOGY

A16/D1

ONE PLAN



DRAINAGE REPORT

Flood Hazard: Site is not in flood hazard area.

Erosion: Erosion control measures to be used during construction.

Soils: Sand with silt and clay, suitable for residential construction.

Drainage Plan: There are no off-site flows onto this site and no flows off the site.

Ponding: Each lot to pond 100% of runoff

Lot 1 1.2 Acres 54,500 Sq. Ft.
House 3,000 Sq. Ft.
Garage 576 Sq. Ft.
Total Impervious 14,700 Sq. Ft.
12,700 X 2.2/12 X 1.0 = 2880 Cu. Ft.
Natural earth
38,800 X 2.2/12 X .5 = 3560 Cu. Ft.
Total Pondage Req. = 6440 Cu Ft.
Ponding Furnished 6650 Cu Ft.

Lots 2 - 6 Size 43,560
House 3,000 Sq. Ft.
Garage 576 Sq. Ft.
Impervious 8,000 Sq. Ft. = 3520 Cu Ft.
8,000 X 2.2/12 X .9 = 3520 Cu Ft.
Natural earth
34,560 X 2.2/12 X .5 = 2680 Cu Ft.
Total Pondage Req. = 6200 Cu Ft.
Ponding provided: 6650 Cu. Ft.

Emergency Spillway: Not provided, adjacent roadways are crowned and will be ditched to high, floor elevations will be considered to preclude flood damage

Ray L. Harrison
N.M. P.E. & L.S. 2598

Soil (soil map attached)
Soil is Vallecitos fine sandy loam
With slight limitations for septic tank absorption fields and dwellings

LEGAL:
MRGCD MAP 20
TRACTS 31A2A, 31B2A + SOUTH 40' 31A2B

LEGEND:
EXIST CONTOUR ---03---
SPOT ELEV. EX 03.2 / FG 03.2

RECEIVED
JAN 27 1982
ENGINEERING

A16/D1 (1)

DRAWN: R.E.	ALAMO ADDITION
CHECKD:	DRAINAGE PLAN
REVISIONS: 10/1/81	RAY HARRISON & ASSOCIATES