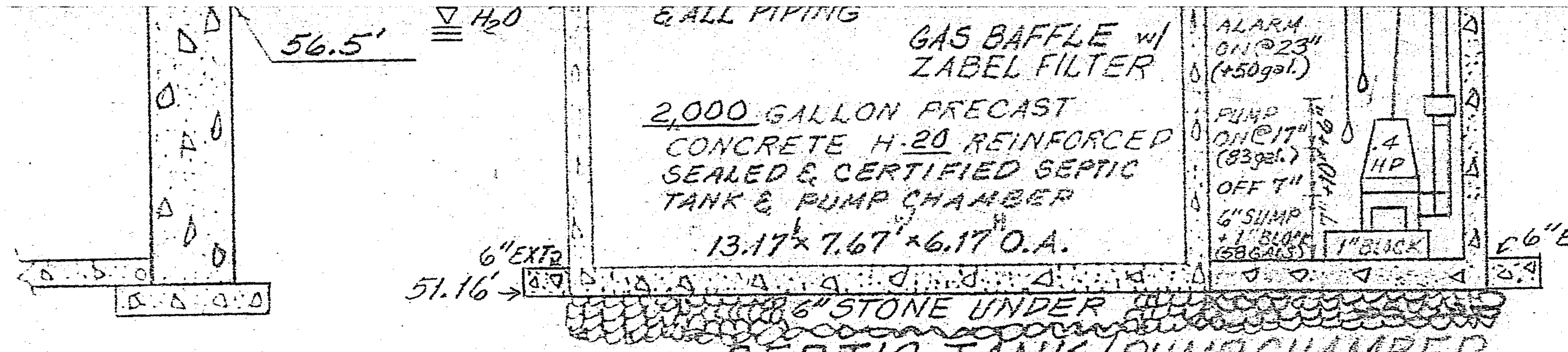
LOCUS MAP


56.5'
H2O
& ALL PIPING
GAS BAFFLE w/ ZABEL FILTER
2,000 GALLON PRECAST CONCRETE H-20 REINFORCED SEALED & CERTIFIED SEPTIC TANK & PUMP CHAMBER
13.17'× 7.67' × 6.17' O.A.
ALARM ON@23" (+50gal.)
PUMP ON@17" (83gal.)
OFF 7"
6"SUMP + 1"BLOCK (58GALS)
10"+/-
.4 HP
1"BLOCK
6"EXT.
6"EXT.
51.16'
6"STONE UNDER

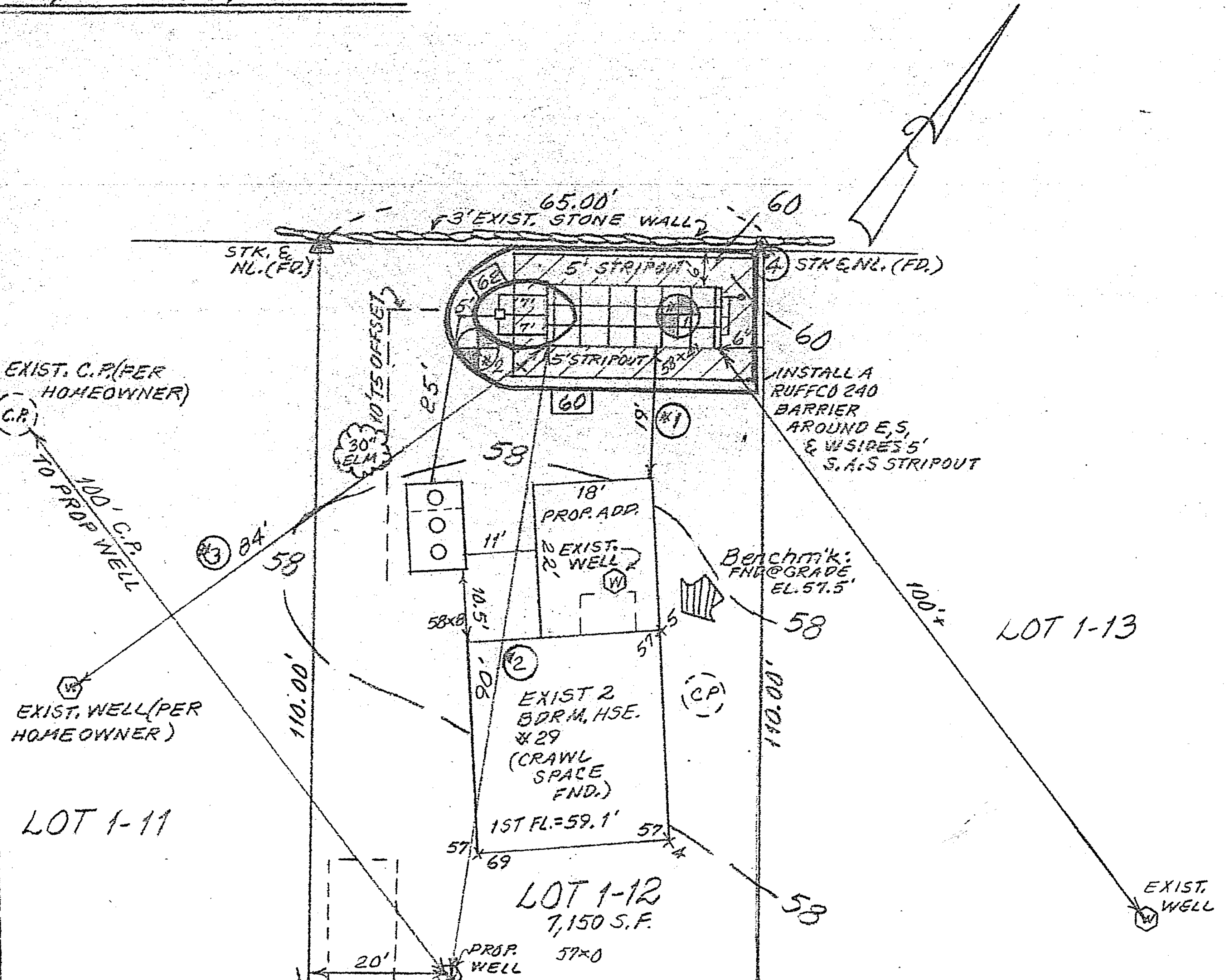
SEPTIC TANK/PUMP CHAMBER

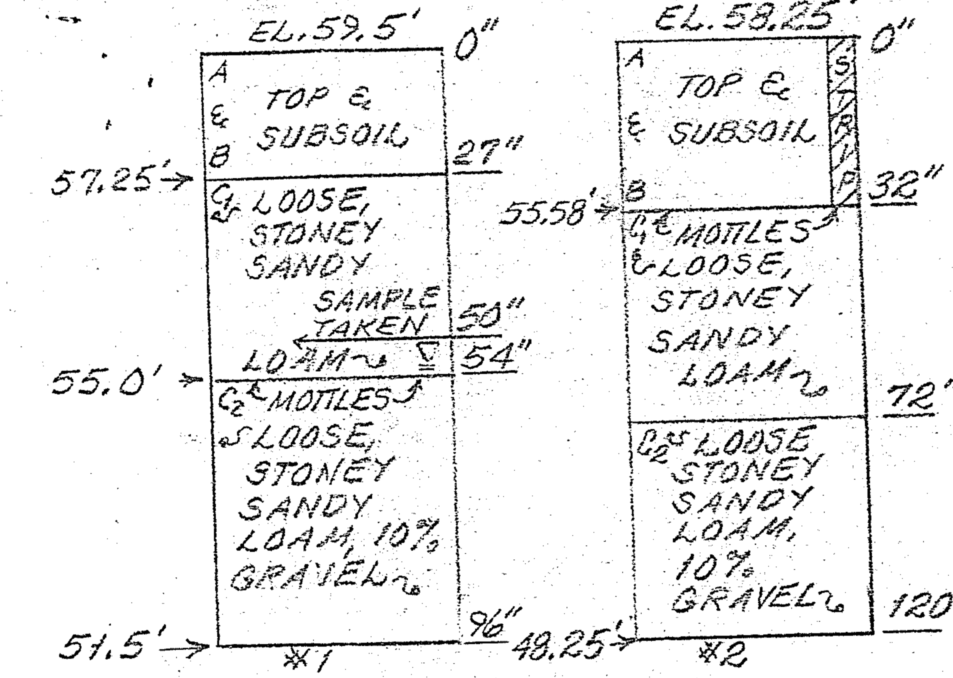
1,500 GAL. 500 GAL.

WIGGIN PRECAST H20 TANK, RISERS & COVERS

## BUOYANCY CALC'S:

GROUNDWATER @ EL. 55.58'
WATER DISPLACED BY TANK = 4.42'×12.17'×6.67'=358.79 C.FT.
358.79 × 62.4#/C.FT. = 22,388.41# WEIGHT OF WATER.
WEIGHT OF SOIL ABOVE TANK = .75'×12.17'×6.67'×110#/C.FT. =6,676.25#
WEIGHT OF TANK = 30,000#; WEIGHT 3 COVERS & RISERS = 3×268 = 804#
WEIGHT OF SOIL ABOVE FOOTINGS=6.67'×1'×6.92'=46.16#; 13.7'×1'×6.92'=94.8# TOTAL=140.96#
TOTAL WEIGHT OF SOIL ABOVE TANK, ABOVE FOOTING & TANK w/RISERS, COVERS = 37,641.81#
*22,388.41# < 37,641.81#'S





OBSERVATION PITS

PERFORMED BY: SANDY KEESE, C.S.E. #1190
DATE: 11-14-19
WITNESSED BY: JOHN ASHLEY, LAKEVILLE B.O.H.
(#5) SIEVE ANALYSIS USED CLASS I SOIL 74% SAND-USE.

(MOTTLE
55.5

*USE
w/ 6

ANTHONY A. ESPOSITO CIVIL No. 39782

3/18/2

## NOTES:

1. ELEVATIONS BASED ON N.A.V.D. 88 DATUM.
2. THE SEPTIC SYSTEM SHALL BE INSTALLED WITH T
CODE & ANY LOCAL RULES THAT MAY APPLY.
3. PRIOR TO BACKFILLING, THE LAKEVILLE BOARD OF
SHALL BE NOTIFIED.
4. THE NORTH ARROW SHALL NOT BE USED FOR
LOCATION.
5. WATER SUPPLY IS PROVIDED BY WELL WATER.
6. EXCAVATE TO EL 55.5' OR LOWER TO REMOVE A
MATERIAL BENEATH THE LEACHING AREA & R
CLEAN, TITLE V CERTIFIED SAND 5' AROUND S.A.S.