

11/26/00
ASAP Layout
w/ tank delivery
12/5/00
Layout
10:00
12/6/00
10:22pm
03-318257
CANCELLED

PERMIT
SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 513684
A 59829
ISSUE DATE 7/13/00
APPROVAL DATE 7/23/01

INDEXED

Jack Fyock Septic Service IS PERMITTED TO INSTALL X ALTER
ADDRESS P.O. Box 89, Glenelg, MD 21737 PHONE 410-988-9270
SUBDIVISION Lowe Property LOT NUMBER 4 ADDRESS 3704 Red Oak Lane
PROPERTY OWNER Salman Sheikh PROPERTY OWNER'S ADDRESS
SEPTIC TANK CAPACITY 1000 GALLONS AND 1250 GALLONS (SPLIT SEPTIC SYSTEM TO BE INSTALLED)
PUMP CHAMBER CAPACITY N/A GALLONS
NUMBER OF BEDROOMS 5
SQUARE FEET PER BEDROOM 210
LINEAR FEET OF TRENCH REQUIRED 350 (430 LINEAR FEET PROPOSED)

TRENCHES: Trenches to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth
6.0 feet below original grade. 2.0 feet of stone below distribution box.
LOCATION: Place the first distribution box 40 feet off the 635.92' lot line and 200
feet off the 309.53' lot line; place the second distribution box 135 feet
off the 635.92' lot line and 215 feet off the 309.53' lot line. Run trenches
along contour towards the 309.53' lot line. ***Trench layout to match
attached site plan approved 05/17/00.***
NOTES: Keep trenches 7 feet edge to edge in order to conserve septic reserve area.
OK 6/9/00 DS

PLANS APPROVED Donna K. Soe DATE 05/17/00

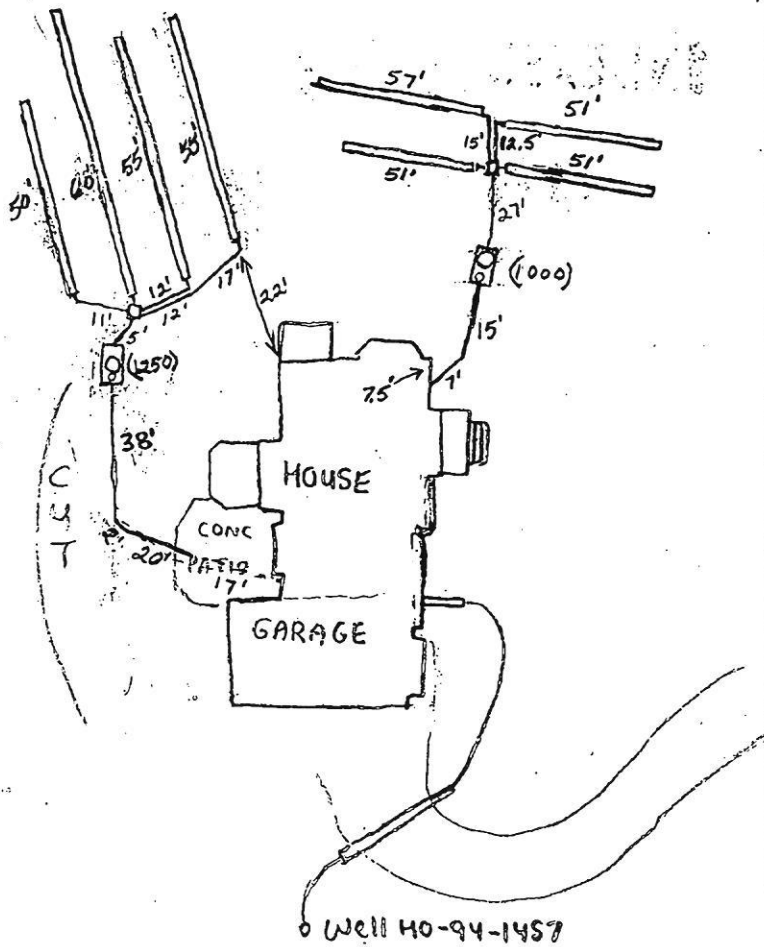
PERMIT VOID AFTER 2 YEARS

- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE
- NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED
- NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED
- NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES
- NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE
SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

459829

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3.0'
 TRENCH INLET DEPTH 4.0'
 TRENCH BOTTOM DEPTH 6.0'
 DEPTH OF STONE 2.0'
 NUMBER OF TRENCHES 8
 TOTAL TRENCH LENGTH 430'
 ABSORBENT AREA 1290 sq. ft.
 DISTRIBUTION BOX LEVEL Yes
 BAFFLE IN DISTRIBUTION BOX Yes

SEPTIC TANK DATA

(1) 1250 TS
 SEPTIC TANK (1) 1000 TS GALLONS
 MANHOLE RISER 1-each tank
 6 INCH INSPECTION PORT 1-each tank

PUMP CHAMBER DATA

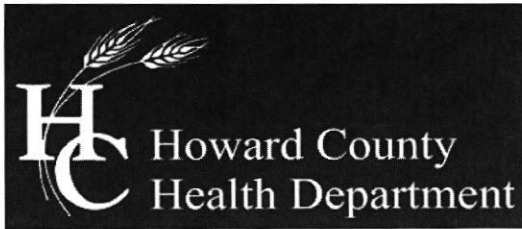
PUMP CHAMBER GALLONS N/A
 MANHOLE RISER N/A
 ALARM N/A
 PUMP PERFORMANCE TEST N/A

11/30/00 11:30 NO ONE PRESENT, NO WORK (MA)
 PRE-CONSTRUCTION INSPECTION: 12/5/00- AREA STAKED, OK TO PROCEED WITH INSTALLATION
 1250 gallon tank moved to be out of swale, stressed emphasis of keeping trenches 7' edge to edge
 OK, WPI OK (SRK)

INSPECTION COMMENTS: 12/6/00 Everything satisfactory. O.K. to cover. Need house
 connection for 1250 gallon tank. Contractor to sleeve last 20' of pipe near
 house where patio will be. (BB) 7/23/01 Talked to builder - David
 Johnson - he said that house connection under patio area was made
 and that connection was sleeved because of future patio. (BB)

INSPECTOR B. Baker

DATE SYSTEM APPROVED 7/23/01



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 3704 Red Oak Ln

Subdivision: Lower Property Lot: 4

Initial system:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>7</u>
1 st Replacement:	Application rate: <u>0.2</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>7</u>
2 nd Replacement:	Application rate: <u>0.8</u>	Effective area beginning depth: <u>4</u>	Bottom maximum depth: <u>7</u>

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

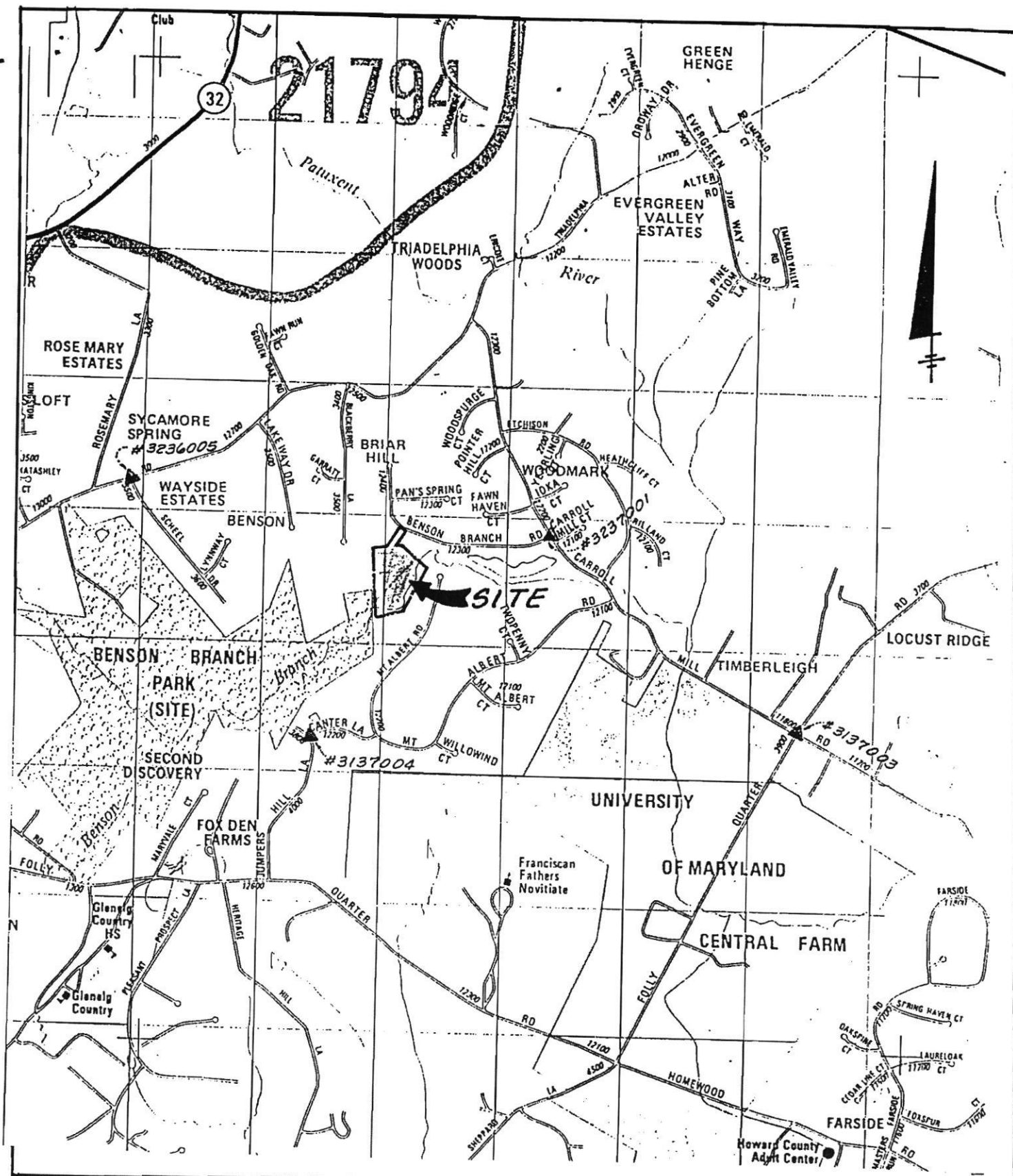
$$\frac{W + 2}{W + 1 + 2D} \times 100 = \text{Percent of length of standard trench where } W = \text{trench width and } D = \text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- Trenches must be located to provide room for 3 systems in the disposal area
- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is $2D + W$ up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: _____ Date: _____



LAND DESIGN ENGINEERING, INC.

10820 Guilford Road • Suite 210
Jennings • Maryland 20794

(301)804-8284
(301)880-0034

Title: Location Map
LOWE PROPERTY

Date: May, 1993

Drawn: LDE

ADC Map 10
Grid E-9

Scale: 1" = 2000'

LDE Job No.: 91-213

Sheet: Figure 1