

11/27/00

10:00 - 10:30
+ CO late 3:00

11/28/00

C.O. final 11/28/00

Has Public Water

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

P 514650

A 511435-A

ISSUE DATE 11/15/2000

APPROVAL DATE 11/28/00

INDEXED

K & K Excavating

IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Frederick Road, Woodbine, MD 21797 PHONE 410-442-1336

SUBDIVISION Estates @ Sandhill LOT NUMBER 1 ADDRESS 2191 Sandhill Road

PROPERTY OWNER Oak Hill Properties PROPERTY OWNER'S ADDRESS 107 Loudoun Street S.E.

SEPTIC TANK CAPACITY 1250 GALLONS

PUMP CHAMBER CAPACITY N/A GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

ADDRESS
NOT
PARCEL 3
IN RPS

TRENCHES: Trenches to be 3.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth

5.0 feet below original grade. 2.0 feet of stone below distribution box.

LOCATION: Begin trenches in the highest portion of the sewage disposal area.

Run trenches initially toward Sandhill Road, then in both directions as indicated on the approved building permit plan.

10/6/00 O.K. (BB) 3 longer Trenches - Garage is now on right side of house changing driveway access. R/P 11/27/00

PLANS APPROVED Amy Mc Millen DATE 10/4/00

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

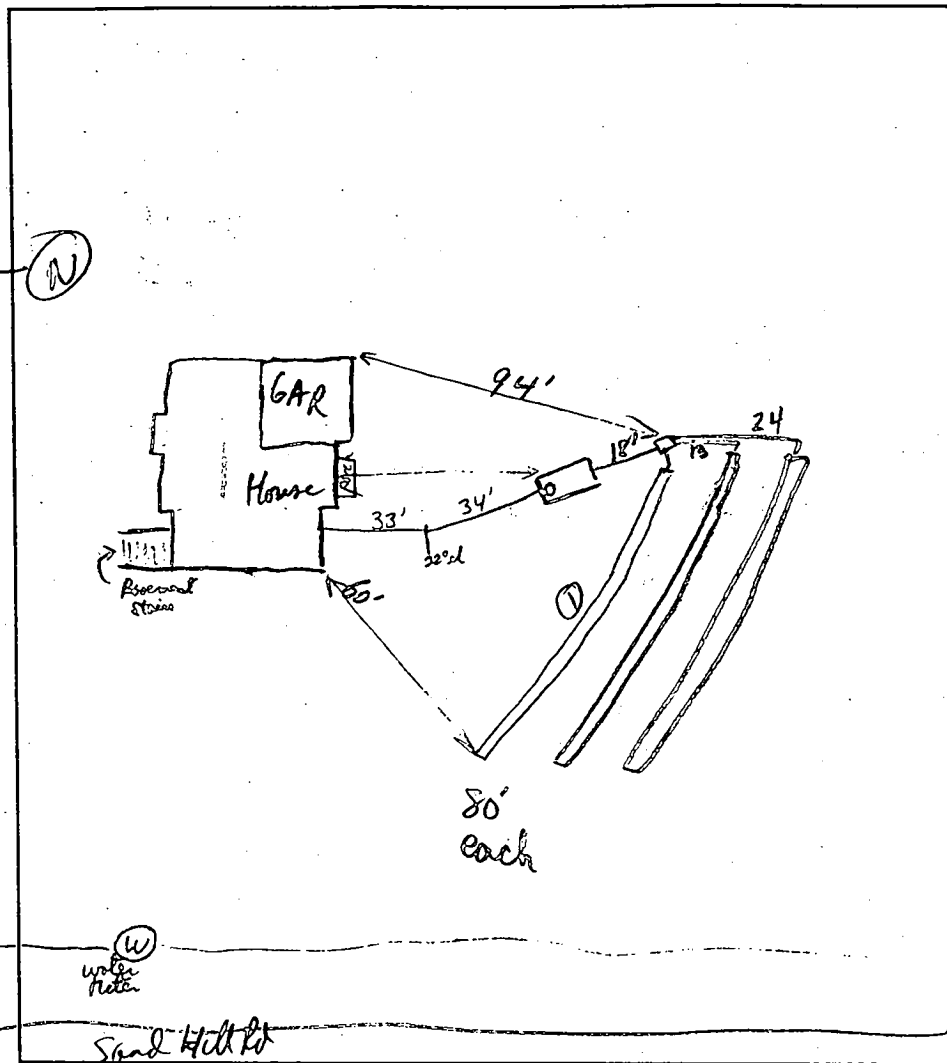
NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

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

511435-A

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3'
 TRENCH INLET DEPTH 3'
 TRENCH BOTTOM DEPTH 5'
 DEPTH OF STONE 2'
 NUMBER OF TRENCHES 3
 TOTAL TRENCH LENGTH 240 LF
 ABSORBENT AREA 720 sq ft
 DISTRIBUTION BOX LEVEL ✓
 BAFFLE IN DISTRIBUTION BOX ✓

SEPTIC TANK DATA

SEPTIC TANK 1500 ^{TOP} GALLONS
 MANHOLE RISER 3 ft (inlet side)
 6 INCH INSPECTION PORT

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS NA
 MANHOLE RISER NA
 ALARM NA
 PUMP PERFORMANCE TEST NA

PRE-CONSTRUCTION INSPECTION: Layout inspection by Contractor (Alan K. Sr. & Helper). It's OK to extend

Trenches on contour past edges of SSA to try to get 3 longer Trenches instead of 4 shorter ones.
 This leaves more room for future repair systems + to stay out of low depression on site. (House is changed & Garage to be of lot)
 INSPECTION COMMENTS: RP 11/27/00

House Connection OK (already covered by driveway, construction). S.T. set, Baffles on inlet side only as per.
 dist box set, First Trench finished OK to Cover, OK to continue digging + spreading Trenches 2+3 RP 11/27/00
11/28/00 OK TO COVER (MR)

INSPECTOR M. Ripkin DATE SYSTEM APPROVED 11/28/00

APPLICATION

PERCOLATION TESTING

A 511435

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 2/24/99

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER R. Jeanette Miller, Trustee; Clyse Day Pendleton, Et Al

ADDRESS 14965 Frederick Road, Woodbine, MD 21797 PHONE _____

AGENT OR PROSPECTIVE BUYER Oak Hill Properties, LLC; Attn: Mr. Kevin Rogers

ADDRESS 107 Loudoun Street, SE, Leesburg, VA. 20175 PHONE 703 443 0400

PROPERTY LOCATION:

SUBDIVISION Sand Hill Property LOT NO. 1 though 78

ROAD AND DESCRIPTION East side intersection of Sand Hill Road and Mt. View Road

TAX MAP 16 PARCEL # 3

SIZE OF LOT 40,000 to 60,000 S.F. TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Oak Hill Properties, LLC
Kevin B. Rogers
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

2d-3a

red
orange
SiClM

4.0

brown
grey
SaM
25%
saprolite
mg
deposits

2.0

1d-2a
2c-3borange
brown
SiClM

0

orange
&
beigh
SaMhorizontal
saprolite
25%

0

1c-2b

1g
brown
SiClM

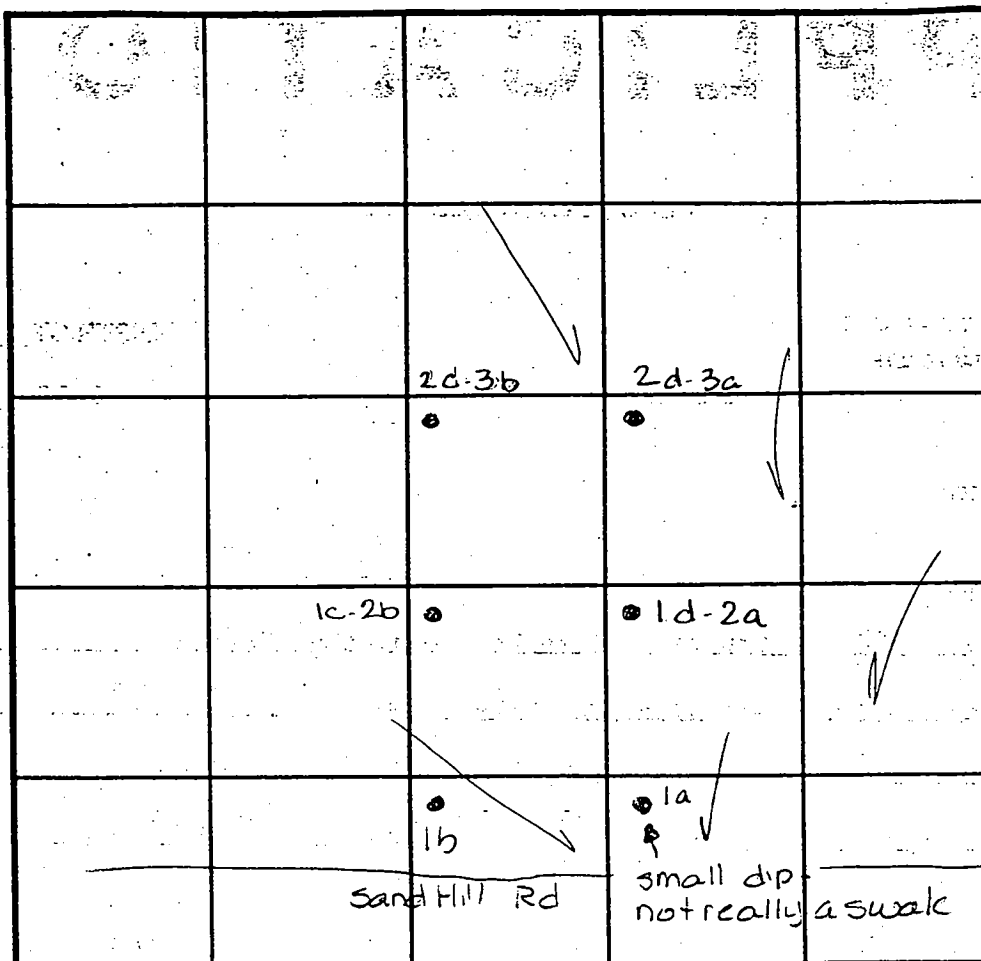
3.0

orange
brn
SiM

9.0

beigh
SaM
40%
saprolite
OK
shallow

12.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

1b

red
brown
SiClM

4.0

dark
brn
SaM
20%
shale
mg on
R_x
bases

2.0

1a
dark brn
SiM
no change

9.0

40% R_x
dark
brn SiM

12.0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-2-99	2d-3a	4.5 V12.0	11:04	11:08	11:08	11:13	5min
	2c-3b	Visual	to 12.0	-see profile			OK
	1d-2a	5.0 V12.0	11:13	11:14 ³⁰	11:14 ³⁰	11:16 ³⁰	2min
	1c-2b	4.5 V12.0	11:22	11:23	11:23	11:24	1min
		9.0 V12.0	11:24	11:25 ³⁰	11:25 ³⁰	11:27	1 1/2 min
	1b	Visual	to 12.0	-see profile			OK
	1a	4.5 V11.0	11:30	11:35	11:35	11:41	6min

REMARKS

TYPE OF SOIL

TESTED BY Amy McMillan

ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

TYPE 9E

599.36

4

50

~~B-63~~

45,000 sq. ft.

74d/75a

62

APPROVED

PRELIM. EQUIV.
SKETCH PLAN

355 SP-00.02

2/2/00

60

46,073 sq. ft.

71d/72a

59

59

8

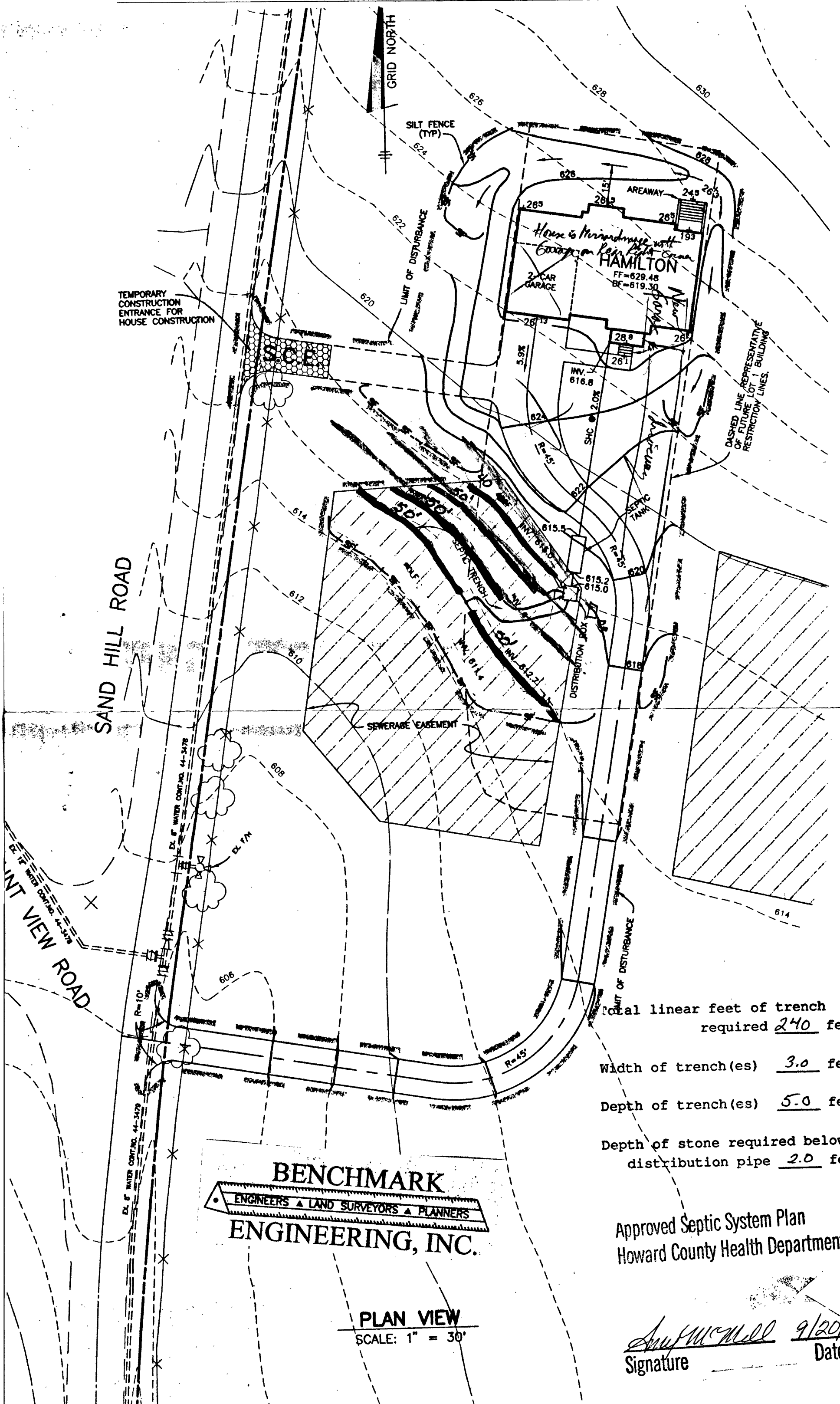
67

9 60

Sq. ft. —

Begin Eyebrow Det
Sta. 10+00.00

THE OAKS AT SANDHILL



Total linear feet of trench required 240 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 5.0 feet

Depth of stone required below distribution pipe 2.0 feet

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

PLAN VIEW
SCALE: 1" = 30'

Approved Septic System Plan
Howard County Health Department

Ann McMill 9/20/00
Signature Date