

6/28/00 4:30

03-283526

INDEXED

PERMIT

SEWAGE DISPOSAL SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 513653
A 41455
ISSUE DATE 6/26/2000
APPROVAL DATE 7/7/00

FRANK DEATZ BAUGH - BUILDER

Arnold's Backhoe & Septic Service, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS P.O. Box 15, Woodbine, MD 21797 PHONE 410-795-7873

SUBDIVISION Kings Gift LOT NUMBER 56 ADDRESS 11424 CASTLE LANE
~~11670 Frederick Road~~

PROPERTY OWNER Mark & Cynthia Kunc1 PROPERTY OWNER'S ADDRESS 9988 Timber Knoll Lane

SEPTIC TANK CAPACITY 1250 GALLONS Ellicott City, MD 21042

PUMP CHAMBER CAPACITY _____ GALLONS *** COMPARTMENTED SEPTIC TANK REQUIRED ***

NUMBER OF BEDROOMS 4 *** (2 TANKS IN SERIES WOULD SATISFY THIS REQUIREMENT) 6/26/00 CW

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES: Trenches to be 3 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Septic system to be installed as high on lot as practical from existing plumbing.
Contractor to request tank and trench layout inspection prior to beginning any excavation.
6/10/00 - Looks O.K. (RB)

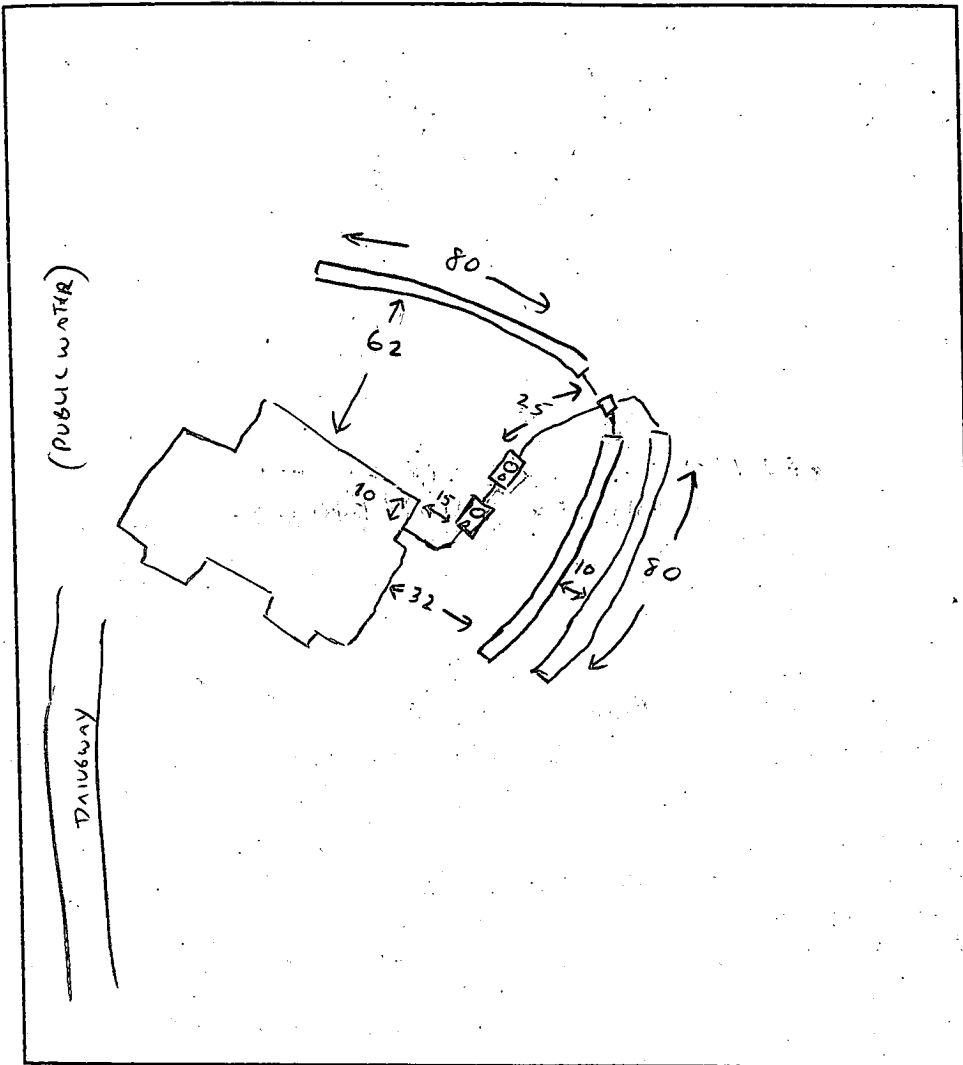
PLANS APPROVED Craig Williams DATE 5/25/2000

- 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

A41455

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3
 TRENCH INLET DEPTH 2
 TRENCH BOTTOM DEPTH 4
 DEPTH OF STONE 2
 NUMBER OF TRENCHES 3 @ 80'
 TOTAL TRENCH LENGTH 240
 ABSORBENT AREA 720
 DISTRIBUTION BOX LEVEL
 BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1250 GALLONS
 MANHOLE RISER
 6 INCH INSPECTION PORT

FUTURE PUMP CHAMBER DATA

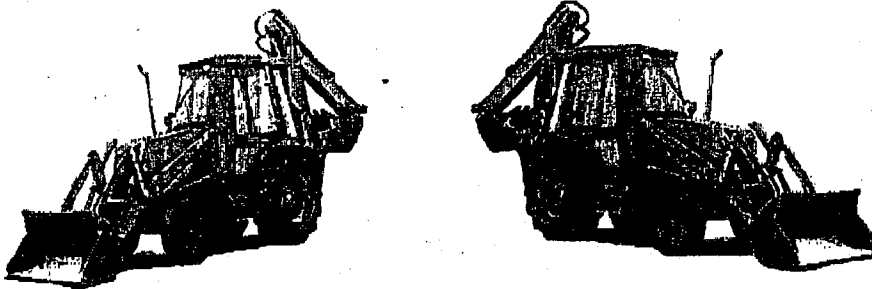
PUMP CHAMBER GALLONS 1250
 MANHOLE RISER
 ALARM N/A
 PUMP PERFORMANCE TEST N/A

PRE-CONSTRUCTION INSPECTION: House INUBAT NOT VISIBLE SEPTIC AREA NOT STAKED.

UPPER PORTION (1/2?) OF SEPTIC AREA CLEARED OF TREES, OK TO PROCEED IF TREES ARE HIGH ENOUGH TO ALLOW INITIAL INSTALLATION (3 TRENCHES @ 80') + REPLACEMENT IN CLEARED AREA. (CW) 6/28/00

2 TANKS INSTALLED 7/5/00 (CW)
 INITIAL TRENCHES COMPLETE 7/6/00 (CW)
 FINAL TRENCHES COMPLETE 7/7/00 (CW) (EXTENDED BEYOND STAKED SEPTIC AREA)

INSPECTOR CW DATE SYSTEM APPROVED 7/7/00



ARNOLD'S BACKHOE & SEPTIC SERVICE, INC.

P.O. BOX 15
WOODBINE, MD 21797
Ph. (410)795-7873 or (301)831-4093
Fax (410) 795-0087

DATE: 9/15/00 # PAGES (including cover) 2
TO: Steve Krieg ATTENTION: _____
FAX: (410)313-2648 PHONE # _____
RE: septic @ Lot 56 Kingsgift

23' frontline
1250 gpe tank
2' line between
1000 gpe tank.
31' to 7 hole dist. box 3-80' trenches

THANK YOU! Kelly Hamison

HAVE A GREAT DAY!!

LOT 49

EASEMENT

Howard County Health Department

B00121825 SPD-4Bn

C. Wilke 2/17/00

PROPOSED PLOT PLAN

MARK BLUM + CYNTHIA KUNCL

9988 TIMBER KNOLL LA

ELLCOTT CITY, MD 21042

410-465-2077

Dertzbaugh Const., Inc.

P.O. Box 476

Mt. Airy, MD 21771

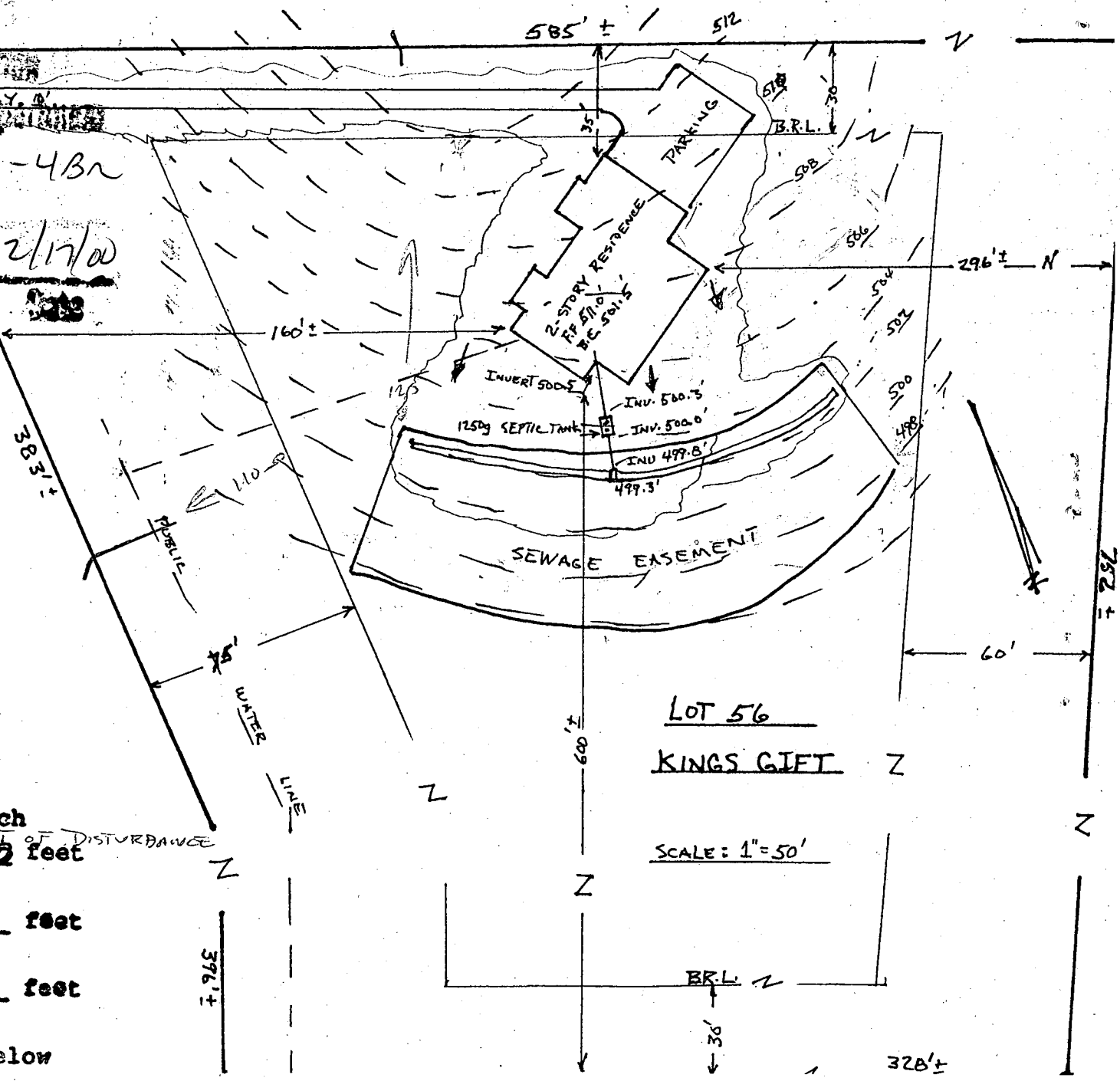
(301) 803-3658

Total linear feet of trench required 240 feet

Width of trench (es) 3 feet

Depth of trench (es) 4 1/2 feet

Depth of stone required below distribution pipe 2 feet



LOT 56
KINGS GIFT

SCALE: 1" = 50'

328' ±

Wet Season
Re-test

APPLICATION

PERCOLATION TESTING

A 41455

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 3
4/7/88
DATE 10 March, 1988

Full test

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.
MARK & CYNTHIA KUNCL

PROPERTY OWNER Jean R. Dickey, Individually; Jean R. Dickey, Trustee Jean R. Dickey Inter-Vivos Trust

ADDRESS 13850 Forsythe Rd., Sykesville, Md 21784 PHONE (301) 442-2226

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION King's Gift LOT NO. 56

ROAD AND DESCRIPTION (North on Route 144, East of Thompson Drive)
11670 FREDERICK ROAD

**OLD PERMITS
AND RETURNED 1/7/2000**
800121825

TAX MAP 16 PARCEL # 373

SIZE OF LOT 5.000 Ac ± TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

4 BRMS

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.

Richard F. Jones (Signature)
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

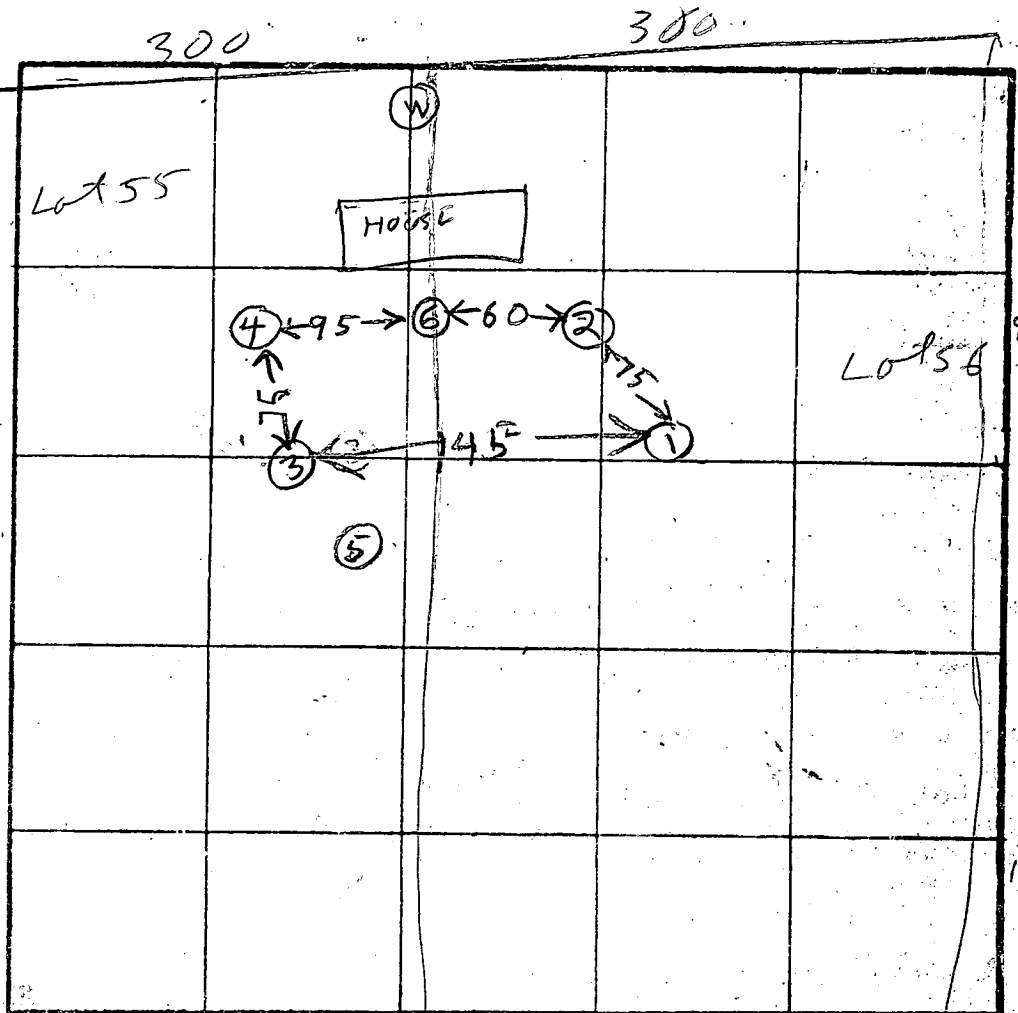
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3/14/89 - LIMITED HOUSE SITE & NOW
SITE PERC OIL HOLD FOR PLAT LOT LINES
MUST BE CHANGED BY

THIS IS NOT A PERMIT

Lot 56
A41455



SOIL PROFILE

①
BROWN CLAY
BROWN SAND MICA LOAM

11 WATER

⑤
BROWN & GRAY CLAY

② WATER

⑥
RED CHALK

TAN SAND LOAM

③
611B
TOPSOIL
TAN LOAM
ORANGE LOAM

④
PINK LOAMY SAND MICA LOAM
WATER @ ± 9 - 13
WATER CAME UP FROM BOTTOM TO 10.5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/15/89	1S	3.5	1134	1137	1137	1141	4	PINK LOAMY SAND MICA LOAM WATER @ ± 9 - 13 WATER CAME UP FROM BOTTOM TO 10.5
	1V	11	WATER 11 FT					
	2S	4	1146	1148	1148	1152	4	
	2D	7.5	1145	1145	1145	1150		
	2V	11	OIL					
	3S	3	1155	1200	1200	1203	3	
	3V	9.5	OIL SHALLOW					
	4V	9	OK SHALLOW					
	5V	9	WATER 8 FT		FAIL			
3/15/89	6V	13	OK					
6-11-98	611B	13V	VISUAL AUG CENTER LOW EDGE OF SO4		OK			
			CHECK FOR WATER-AIR-DESIGN LIMITATION					

REMARKS: Hole (2) & (5) Per Test Plan Hole (1) (3) (4) (6) Different

TYPE OF SOIL _____

TESTED BY: R. HODGES

DAVE KETTERMAN JR
JEANNINE PICKETT
JENNIFER H

②
BROWN CLAY
PINK BROWN SAND MICA LOAM

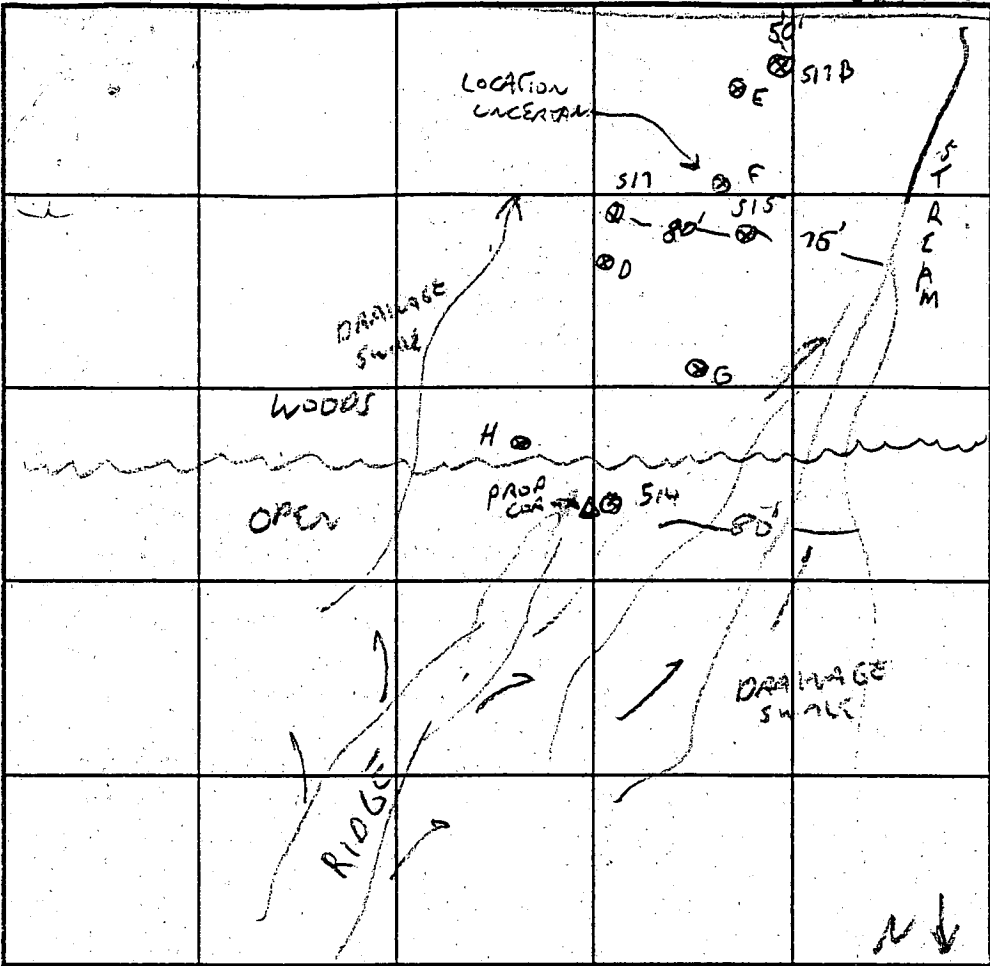
③
CLAY
BROWN SAND LOAM

④
CLAY
BROWN SAND LOAM

9 ROCK BOT

GAS R.W. TO 144

A59282
COUNTY #



SOIL PROFILE
S14

0'	TOPSOIL/DR LOAM
1 1/2'	10YA 3/3 NICACEUS LOAM
6'	10YA 7/4 LOAMY SAND- COARSE MASSIVE
	CAVING 5YR 7/1 FROM WET GROUND

WATER 8.5

SOIL PROFILE
S15

0'	TOPSOIL BROWN CL
2.5'	5Y 1/1 W/ 50% 5YA 5/8 MOTTLES
	5-8' WATER Running IN

SIMILAR LANDSCAPE
POSITION TO 49

(S17)

0'	TOPSOIL BR LOAM
3.5'	10YA 9/2 8/4 MIXED IN 30% QUARTZ SAND 5YA 9/4 LAYERS BLACK MANGANESE BANDS THROUGHOUT
	5-8' WATER Running IN

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3/11/98	S14	8.5'	2-5 MW	ESTIMATE	2.15'			
		NOT SUITABLE FOR STANDARD TRENCH DUE TO WATER TABLE						
3/24/98	D, E, F	7	SEE HOE DATA FORM FOR RESULT					
3/25/	G, H							

S17B

0'	TOPSOIL LOAM
3'	DULL GREY BROWN SIL W/IRON ISOLATION
8'	IRREGULAR HIGH-CORNER CAST COARSE SL
	WATER Running in AT 5'

REMARKS: AVOID SWALES COMPLETELY - USE HIGH GROUND

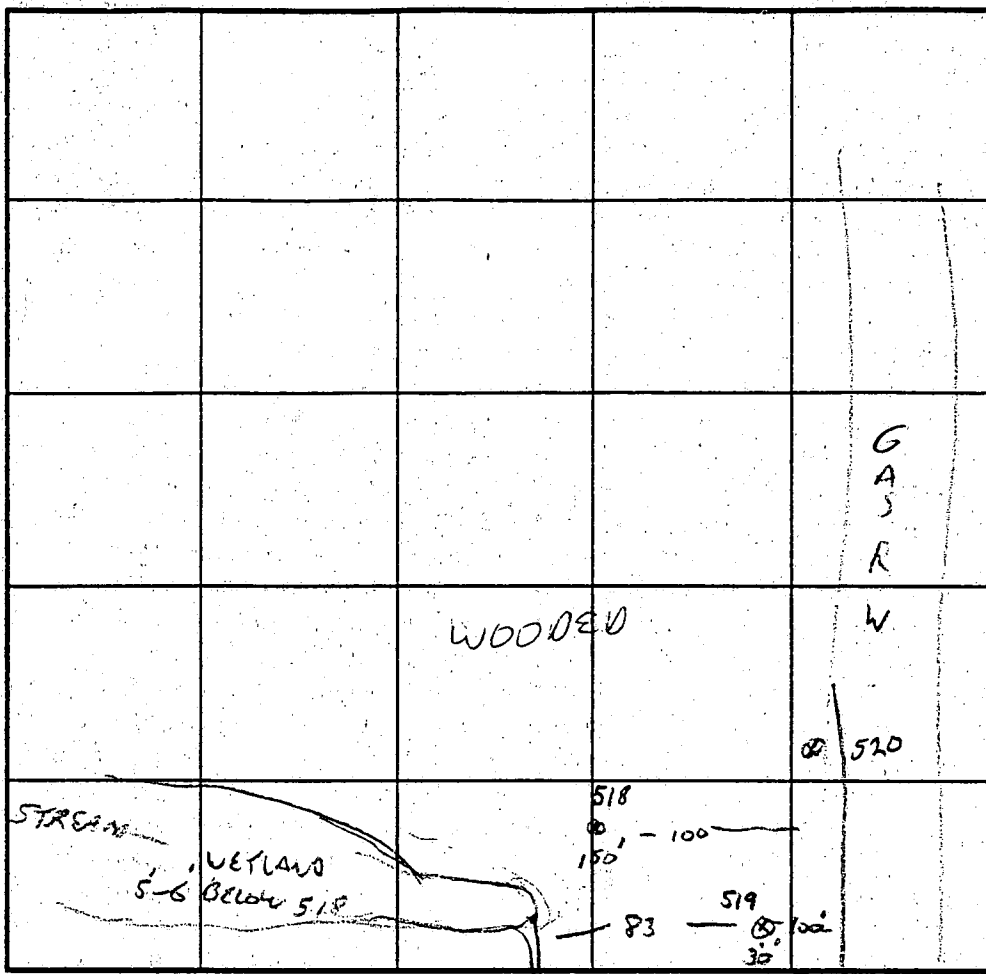
TYPE OF SOIL: AREA FOR SAND FOUND LIMITED BY TOPOGRAPHY + WOODS

TESTED BY: G. SAVAGE ALSO PRESENT: KTK

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

11' WATER



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
RT 144

SOIL PROFILE
518
0'
TOPSOIL + TREE ROOTS
1'
BA CLAY
2'
LOAM
3'
2.5 YR 7/8 X
4'
10 YR 6/3 SL
5'
7.5 YR 5/8
CLAY FILMS
FEW 5 YR 5/8
MOTTLED
BLACK + GRAY
BANDING
6'
SIL
SEEPAGE
7'
VERY TIGHT
13

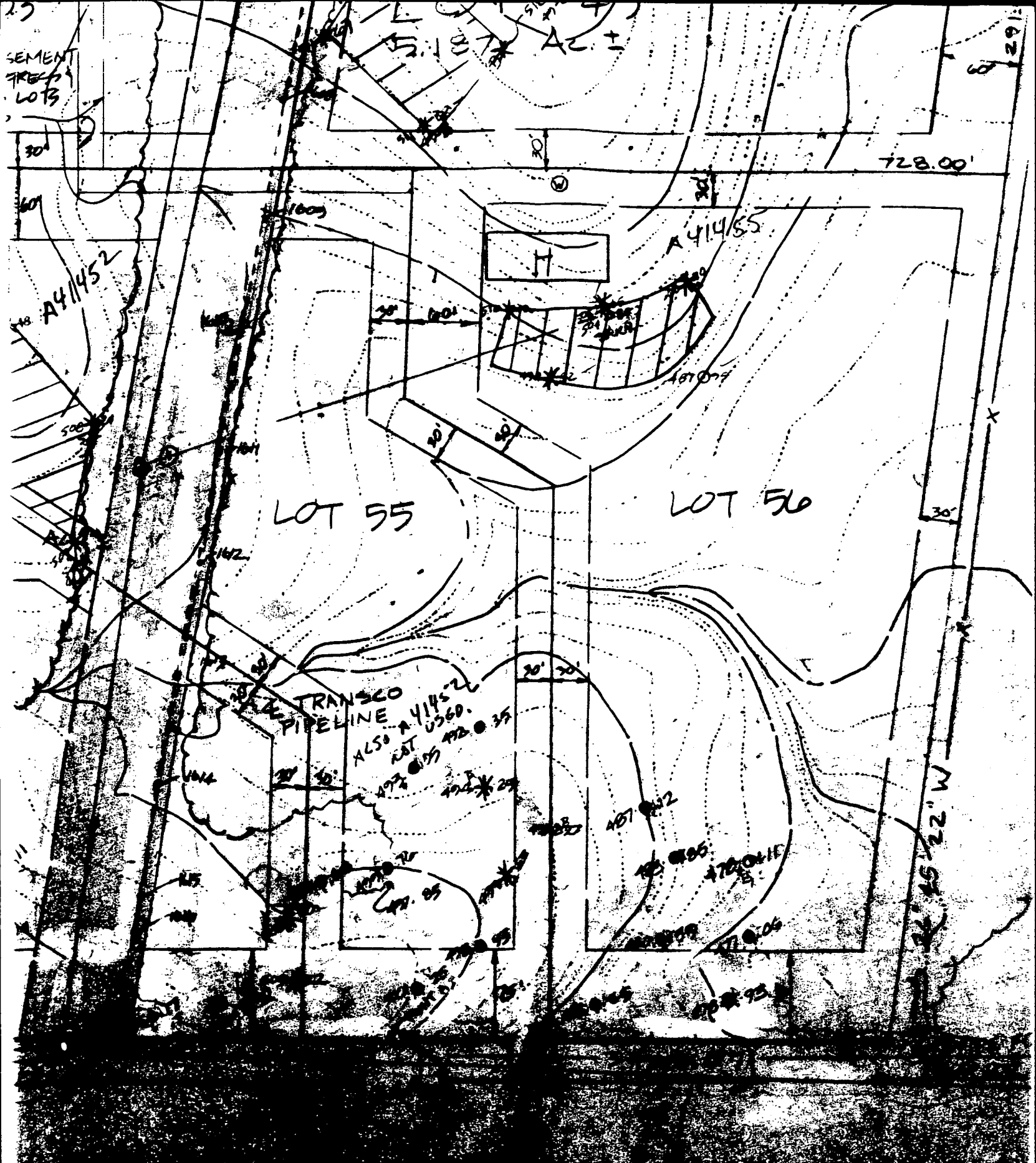
SOIL PROFILE
0'

519
TOPSOIL + ROOTS
1'
LT BA LOAM
STRONG BR
LOAM
4.5'
MATRIX - GRAY
BROWN
BANDS @ 4.5'
DIRT TO WEST.
6 - 5Y 7/1
LOAMY SAND
WORKER
BANDS + LIGHT
BROWN
ONCE MUCH
WETTER?
DAY

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/11/98	518	13	ADVISE AGAINST USING FOR STANDARD				
			TRENCH	DU TO WATER TABLE			
			EXPECT SLOW PERC ALSO				
		SIMILAR LANDSCAPE POSITION TO 56					

13 → 520
TOPSOIL + LOAM
ROOTS TO 8'
2.5'
10 YR 5/6
SL
16 YR 6/1 +
6/4 MATRIX
SOME LIGHT
BANDS
(ORANGE)
10 WATER

REMARKS H₂O EXPECTED IN 519 MAY HAVE BEEN DECREASED BY ROADWAY
TYPE OF SOIL _____
TESTED BY G. SAVAGE ALSO PRESENT K + K
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____



PARCEL COPY COPY of COPY 516W40 g. 11.89

043-D



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer
June 18, 1998

Scott Shanaberger
Shanaberger & Lane
8726 Town & Country Blvd
Ellicott City, Maryland 21043

RE: Percolation Test Results
Application #'s: A42451 & A41455
Proposed Use: Existing Lots
Property ID: King's Gift, Lots 49 & 56
Tax Map 16, Parcel 366 & 373

Dear Mr. Shanaberger:

Percolation testing was conducted on June 16, 1998 on the above referenced property, for the purpose of verification of suitable soils for septic installation. Two test holes were dug along the lower edge of the existing sewage disposal area confirming acceptable soil/site conditions. Copies of the percolation test results are enclosed.

If you have any questions regarding this matter, please feel free to contact me at the address below or by calling 410-313-2640.

Very truly yours,

Glen Savage, R.S.
Water and Sewerage Program

GS:tl

enclosures

cc: File

1/6/99 - RECHECK OF CORNERS OF SEPTIC MAN
SUGGESTS SOME CONCERN FOR WATER TABLE
AT LOWEST EDGE.
BOULIZIS ISSUED WITH OWNER'S
VERBAL ACCEPTANCE OF POSSIBILITY
OF UPGRADE TO 2ND TANK. MAY ELECT
TO REPOSITION HOUSE SLIGHTLY SO SYSTEM CAN BE
INSTALLED HIGHER WITHOUT NEED FOR SECOND TANK.
FINAL DETERMINATION TO BE MADE AT TIME
OF WALL CHECK.