

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-352533

P 50818

A n/a

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XX480903X~~ 313-2640

INDEXED

DATE 08/04/96

DATE SYSTEM APPROVED 3/13/97

INSPECTOR *KRM/PP*

Crewwood Exco & Paul B... IS PERMITTED TO INSTALL ALTER _____

ADDRESS *14630 Buntrock Rd 21738* PHONE *854-6622*

REPLACEMENT DWELLING F. 503 L. 2229 ROAD 12080 Hall Shop Road

PROPERTY OWNER Michael Boosalis/ Apostolakos

ADDRESS _____ *11667 service AVE*

PUMP SYSTEM

SEPTIC TANK CAPACITY 1500 GALLONS TOP SEAMED, 2-CHAMBERED TANK

INSTALL

NUMBER OF BEDROOMS 3

1000 Gallon Top Seamed Pump Chamber; single pump & Control & Alarm Fixtures required

300 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 3 feet wide. Inlet at 1' or less below original grade. Bottom maximum depth to be 2 feet. Effective area to be determined. One foot of stone below distribution pipe. Earth fill cap to be 1 ft. minimum over covered gravel trench(s).

LOCATION - Other than septic tank configuration - all other specifications are speculative. Site has undetermined depth of fill material and uncertain depth to water table. Installation date to be pre-scheduled so Health Department may be on-site at all time during excavation, including septic tank installation. Final decision of trench configuration to be made on site as excavation progresses.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY C. Williams/Ron Pinkley *PP 11/20/96* DATE 10/17/96

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

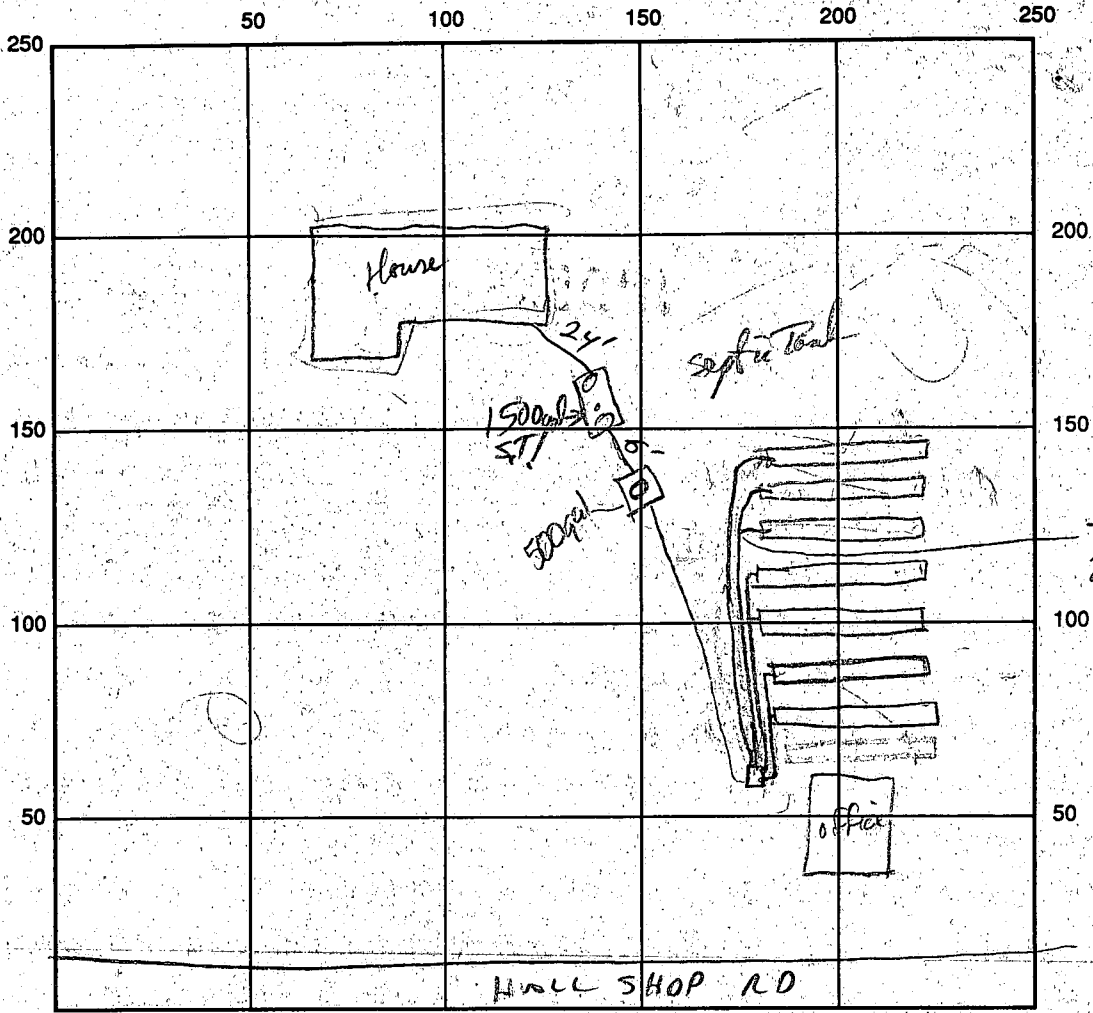
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

50818



SEPTIC TANK LEVEL 1500 gal, 2 chamber 2nd sewer CLEANOUTS Manhole on P.C., Cleanout on Septic Tank.

DISTRIBUTION BOX LEVEL ✓ (4 outlets only - one to each pair of trenches - as shown above)

DRAIN FIELD/TITLE DEPTH 2' FT. TRENCH WIDTH 3' FT. INLET DEPTH 1' FT.

EFFECTIVE GRAVEL DEPTH 1' FT. TOTAL LENGTH 37' / 40' / 41' FT. 42' / 44' / 40' / 48' = 298

NUMBER OF TRENCHES 7 ONE SIDEWALL/BOTTOM AREA 892 SQ. FT. 298
894

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS: No House Connection Yet. (S.T. placement OK primarily) 1st Trench OK to continue 4/29/96
1st 3 Trenches already covered, need to remove and place Rima Pipes over gravel, the recover with fill
dirt, 4th Trench OK to begin gravel fill (OK, to use 3/4" washed rounded gravel) 11/21/96
11/21/96 - PAPER COVER PLACED ON TRENCHES IN PROGRESS, REMAINING LAYOUT DISCUSSED.
11/22/96 pump chamber on trenches finished - septic pump test now underway
Pump Test OK - Needs a run on pump chamber to finished grade (currently dirt overflows to manhole) 11/23/96

DATE SYSTEM APPROVED 3-13-97 INSPECTOR Kimberly Maister / RP

3-13-97 riser installed, ok to fill to finished grade KM

APPLICATION

PERCOLATION TESTING

A Repair
P 50818

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____
DATE _____

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 Michael Brosalis

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: Apostolakis Property

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION 12080 Hall Shop Road

TAX MAP 41 Blk 1 PARCEL # 211

SIZE OF LOT 3.0 Acres TYPE BLDG. _____
(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.

APPROVED BY [Signature] Design agreement for very shallow trench gravity system (pump up to dest box) (Bottom @ 2' max) of 300 LF or more or less OK for repair situation only (SIGNATURE OF APPLICANT) DATE _____

DISAPPROVED BY [Signature] owner may at later date add own another 150 LF to get an alternating trench system or for future repair. FOR _____ DATE _____

HOLD PENDING FURTHER TESTS 11/13/86

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

P 50818 Again 12080 Hall Shop Rd

COUNTY #

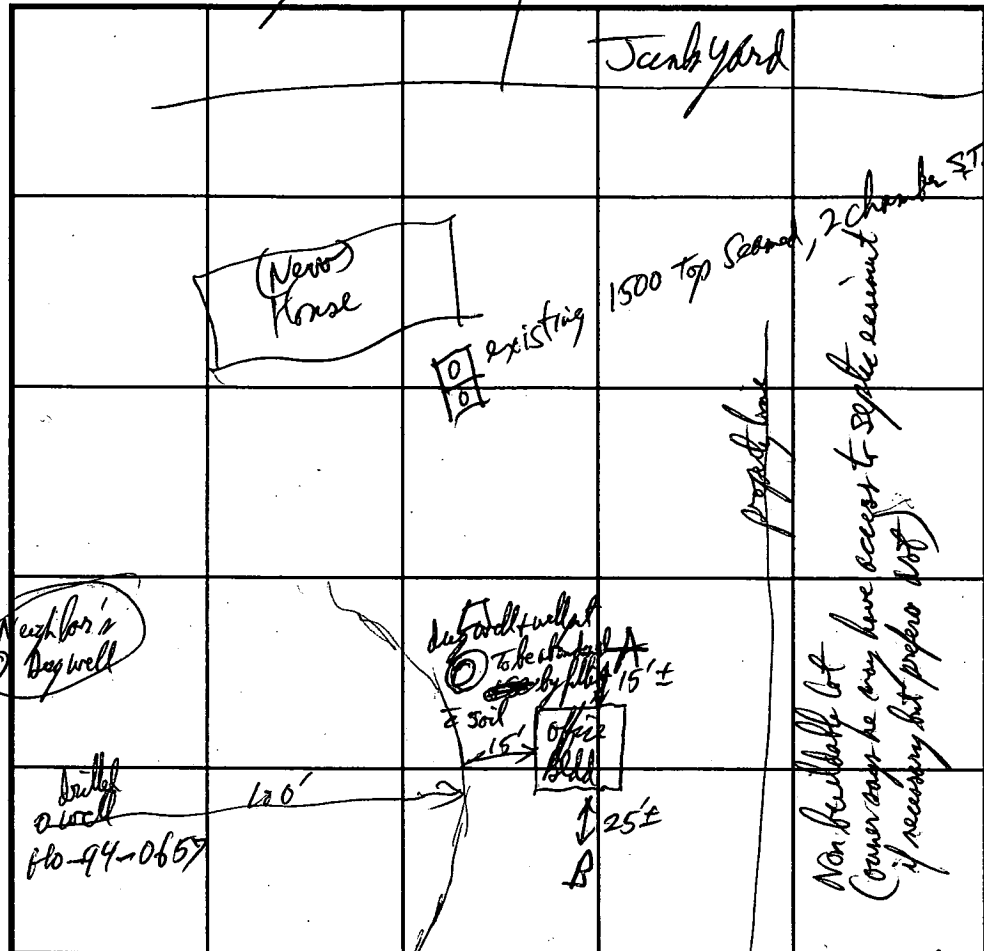
Junkyard

SOIL PROFILE

SOIL PROFILE

0' A
 yel brn - red yel
 SiCl-CL
 3 1/2" - 3'6"
 mix colored
 (red brown + brn)
 h mica loam
 water seepage
 fracture below
 this line
 some colors
 lower transition
 v. moist
 4'6"
 6 1/2"
 Bolton

B
 red brn -
 str brn
 SiCl
 3'2"
 Mottled-Mix
 red/yel
 mica CL-AL
 4'10"
 water seepage
 here + below
 red/yel mottled
 mica loam
 - mica loam
 5'2"



Neighbor's
 Baywell

dug well
 to be drilled
 15' ±
 Office
 25' ±
 B

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE Hall

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/12/96	A	4'	10:51	11:05	11:05	11:21	
		16 1/2' ±	water table @ 4'9"				
		@ 2'	11:11	@ 7" even	Measuring Falling Water test		
			11:31	@ 6 1/8" even		estimated	35 mpi
			11:51	@ 5 7/16"			well
			12:17	@ 4 1/16"			
			12:27	4 5/16"			
			stopped				
	B		dryer soils down to water table @ 4'10"				

Fail W/T

Fail

REMARKS we discussed LPD, alt. trench & conventional - Need to pump up to septic field - size on 300 L of shallow trench

TYPE OF SOIL chesty / sandy with a water table

TESTED BY P. Kelly ALSO PRESENT Rosch Brothers + Their contract

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 35 mpi @ 2' TRENCH WIDTH 3'

INLET DEPTH 1' MAXIMUM BOTTOM DEPTH 2' SQ. FT./BEDROOM 300 x 3 = 900 sq. ft. = 300 L.F. of trench

11/12/86

Boosha - we finished pump LPD system 3' into trench 18' below
1ft gravel 2ft bottom, @ .45 gpd/foot (25' up hill of existing office)
= 333 L per round off to 300 L.
Test hole & (after 2 hrs)

20' down hill of office
down hill to hole of hallway

at 4'					
Top of Trip	10:51:	11:11	@ 7" even		3'2"3'
@ 2nd Mill Top	11:05	11:31	6 1/8"		4'9"
@ 3rd Mill Top	11:21	11:51	5 7/16"	Active water	
		12:18	4 11/16"	slight and	
		12:29	4 5/16"	clearing	5'

yellow - 10 yd
SiCl - Cl
mixed color for
50m L mineral
Some stuff
becoming loose piece
brown with depth

we permeate
3/4" in 20-24 min
= 32 mps

found
residue

Test hole B

Red Brn - 50 Brn

SiCl
3'2"
mixed color
Red/or / yel
4'10" mixed Cl - hl
Active water, grey
@ 4'10" + below
Red / yel / white
L Mineral - Mineral
5'2"

OK design 35 units

OK for 300 L of

concrete trench (1ft gravel only)

They need to give me a site sketch

showing how they install it is 7 ft from office

APPLICATION

PERCOLATION TESTING

A REPAIR
P 50818

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____
DATE _____

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 Michael Boosalis

ADDRESS: 11609 Spruce Ave, Beltsville, MD 20705 PHONE 301-937-7799

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION: Apostolakos Property

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION 12080 Hall Shop Rd

TAX MAP 41 Bk1 PARCEL # 211

SIZE OF LOT 3.0 Acr TYPE BLDG. _____
(SINGLE FAMILY DWELLING OR COMMERCIAL)

**BLDG. PERMIT SIGNED
AND RETURNED 9-12-95**
Serial # 60800
S.F.D. 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

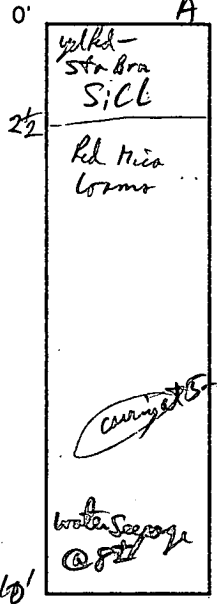
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

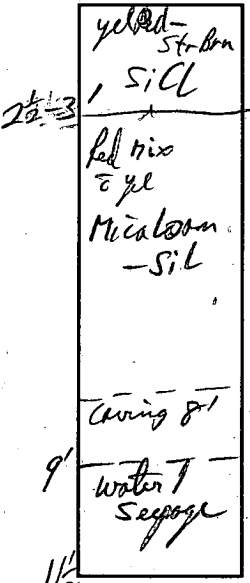
THIS IS NOT A PERMIT

Repair 50818
COUNTY #

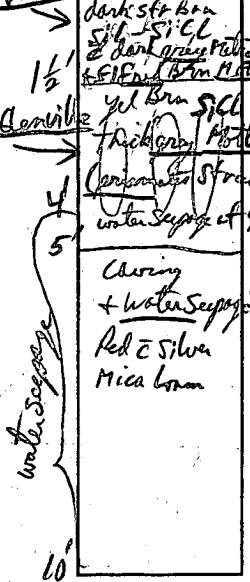
SOIL PROFILE A



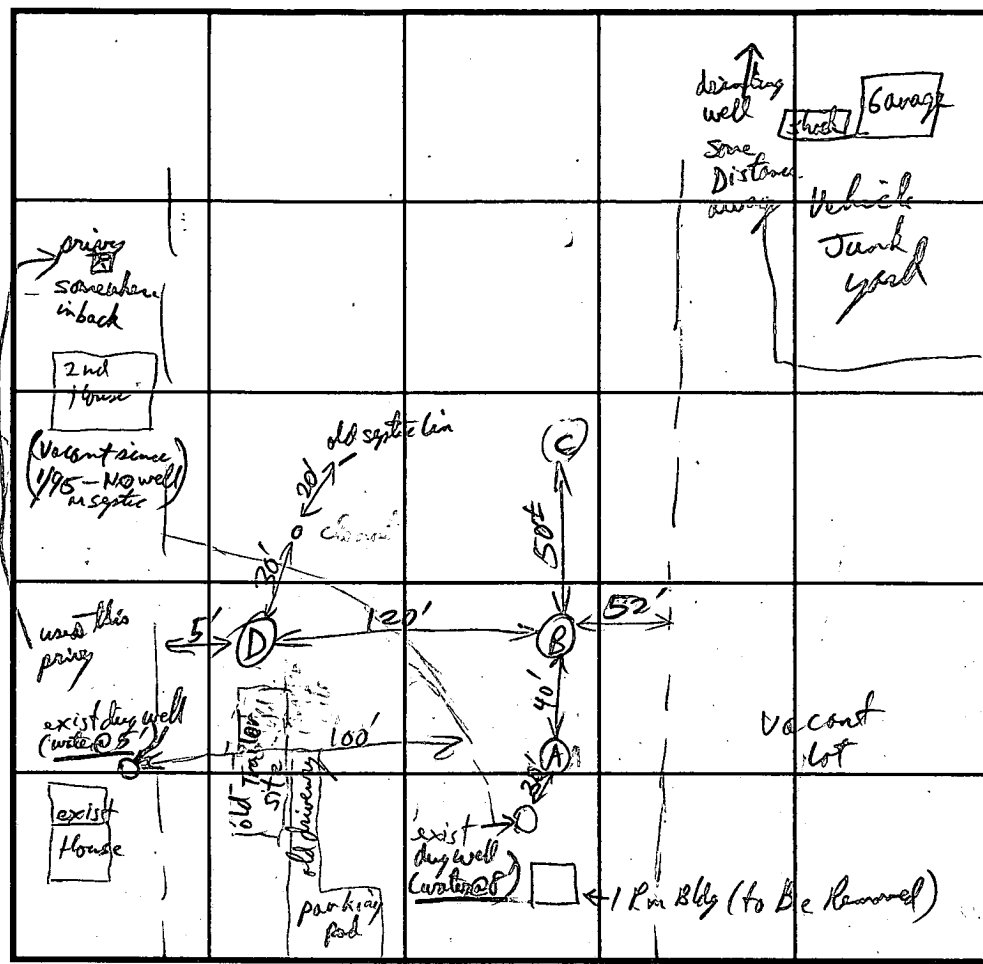
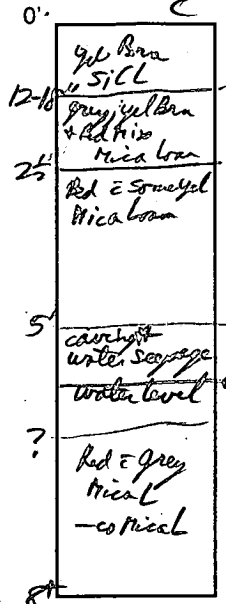
B



D



SOIL PROFILE C



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. Hall Shop Rd

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/10/95	B	3 1/2'	10:21:00	10:22:42	10:22:42	10:26:10	3 1/2 min
		11'	water seepage @ 9'		caving @ 8'		
	C	18'	water + casing at 5'				fail
	D	10'	water + casing at 4' + 5'				
3/19/96	Measured water level in open hand dug well. - water level at 4' 10" below grade - well bottom is soil at 13' 7-8" below grade.						
Rpt.	well C water level was at 8' in August - assume High Seasonal water tables everywhere on lot - well location present. Sand & gravel around Poured basement has drains, water proofing and partial fill dirt on side of foundation. Trailer has been removed - wood debris is in old pump pit + some wood in open well pit.						

REMARKS: Marked water tables in August (Gub) (Chao, Gub)
 TYPE OF SOIL: Glenville (D) to house + test (C) + chert + Baile (Ba)
 TESTED BY: R. P. P. ALSO PRESENT: _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME: 3 1/2 TRENCH WIDTH: 3
 INLET DEPTH: 2' MAXIMUM BOTTOM DEPTH: 4 SQ. FT./BEDROOM: 180

SOIL DESCRIPTION

NAME Boasalis Property, 12180 Hall St. #4 COUNTY Howard FILE NO P50018
 SOIL MAP UNIT _____ MAP SYMBOL 6b/6b/6b/6b DATE 10/30/96
 GEOLOGIC MATERIAL _____ ELEVATION _____ GRID NO _____ E
 NO. Septic Tank Hole DESCRIBED BY Ronald J. Pickley _____ N

Fill material

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	0-	Dark Brn Strong Brn	—	cl (micaceous)	—	Compacted	Low	Slight moist dense, compacted by heavy equipment
end Near House	2-2½'	red	—	Mica Loam	—	single	—	m Fr
uphill bank	2-2½' ±	organic debris (old soil surface grade)			Mixed in	Note: Some water seepage at top of organic horizon up hill side (about 1/2 mile SW)		
old 'A' horizon	2½-3½'	black-grey Brn 10% 2/3-5/1	—	hSIL	1-2 ft	ugreen-sbk	—	Moist
		yel Brn red yel	—	hLoam Clitic	1-2 ft	sbk	—	moist m Fr
on North side only	4½-5'	red	some mix of loam Ton Mica loam	Mica loam -hL	—	single	—	moist m Fr
Top Side	5½' (3½' below original grade)	Tan	—	Mica loam	—	single	—	wet m Fr Saturated - free water seepage
Bottom (Down slope) side	5½-6' (3' below original grade)	Tan	grey Tan Mottles (only 2 pits)	sICL -hSIL	—	4mK Clay Eden	—	soil is saturated and flow about in one smaller area - Seepage is Not apparent but fill up depressions in very muddy top of bottom

LANDSCAPE

Position upslope
 Summit _____
 Shoulder _____
 Sideslope
 Footslope _____
 Depression _____
 Upland
 Terrace _____
 Floodplain _____

Slope
 Percent 8-12
 Shape linear
 or slight concave

SOIL DRAINAGE CLASS

ED _____ MWD _____ PD _____
 WD _____ S'D _____ V'D _____

LIMITING ZONE

Free water seepage saturated soil
 at 3-3½' below original grade

WATER TABLE

at 3½-4' below original
 grade

SOIL CLASSIFICATION

6b/6b - glenville

(water level @ 4' even in hard dry well)



FAX 301-831-6402
TO BOOSALIS

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer
August 9, 1995

Mr. and Mrs. Michael Boosalis
11609 Spruce Avenue
Beltsville, Maryland 20705

RE: Percolation Test Results - Recorded Lot
Application Number: P50818
Proposed Use: Replacement of Existing House,
Well and Septic System
Property ID: 12080 Hall Shop Road
Tax Map: 41 Parcel: 211

Dear Mr. and Mrs. Boosalis:

Percolation testing conducted August 7, 1995 on the above referenced property indicated limited satisfactory soil conditions. Limiting conditions were high water tables and nearby location of existing wells on this (property) and adjacent properties. Copies of the percolation test results are enclosed.

Because of the above site restrictions, the area suitable for installation of a subsurface sewage disposal system is severely limited.

The site plan submitted with your building permit application No. 60800 for a 4 bedroom house is in conflict with the area most suited for installation of an initial septic system as well as the need to reserve a future repair area. Also, there is concern about the increase in design sewage flow as implied by the increase in number of bedrooms for the new domicile.

Please contact this office to schedule an appointment to discuss these problems and their possible solution.

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

Very truly yours,

Ronald J. Pinkley, R. S.
Water and Sewerage Program

RJP:jr
Enclosures
cc: Scott Shanaberger
File



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

July 27, 1995

Mr. Michael Boosalis
11609 Spruce Avenue
Beltsville, Maryland 20705

*Septic Repair
Receipt #P50818
Paid on 8-2-95*

RE: Building Permit Application #60800
Proposed Residence
12080 Hall Shop Road

Dear Mr. Boosalis:

This is to advise that the above referenced building permit application cannot be recommended for approval, until deficiencies with the existing well and septic are corrected.

Maryland on-site sewage disposal regulation (COMAR 26.04.02.02D [4]) specifies that prior to qualification for issuance of a building permit, the health department shall have:

"Certified the existing on-site sewage disposal and water supply systems as capable of handling any reasonable foreseeable increase in sewage flows or water demand."

A site inspection on July 19, 1995 by Amy McMillen, sanitarian, found both the well and the septic system serving the existing trailer to be in poor condition. These systems would not be considered sufficient to sustain the water and wastewater requirements of a larger replacement dwelling. Although upgrades to the well and septic could be considered, complete replacement is likely more practical.

Please contact this office to discuss this matter further.

Very truly yours,

Craig Williams, Program Director
Water and Sewerage Program

CW:vr

cc: License & Permits
Shanaberger & Lane
Bert Nixon

326.2'

POSTOLAKOS
L. 229 AC# 503

5) S 65.25' E

1962-trailer
well-1930's

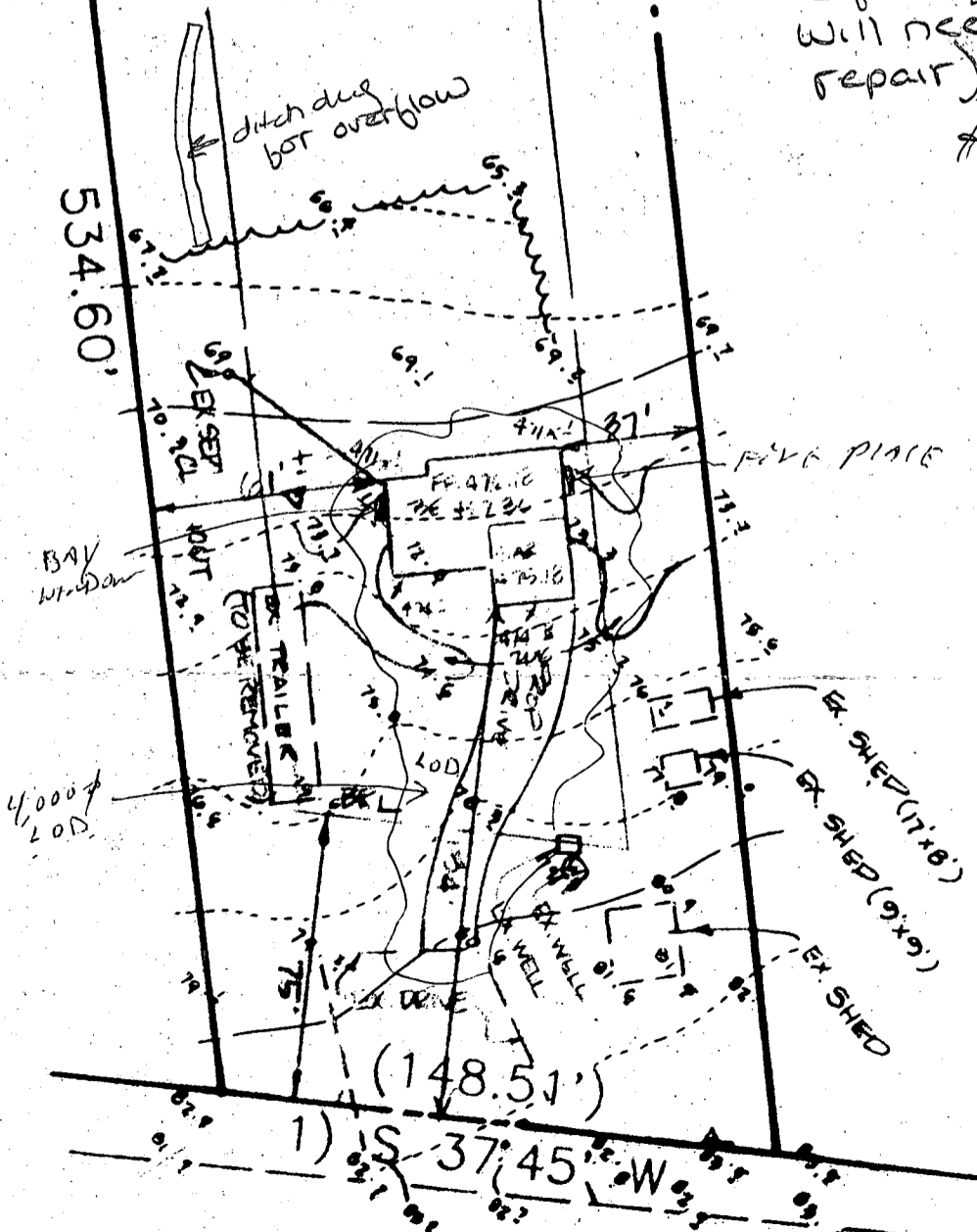
894.57'

7-19-95
Well is not in
good condition.
Not acceptable for
a new home. Current
resident said the
water is not potable.

Septic periodically
overflows. Tank
needs pumping
($< 6"$ open space
left before outlet)
will need a
repair).

[Signature]

2) N 66° W



HALL

SHOP

ROAD

AP

1) S 37° 45' W

APPLICATION

HOWARD COUNTY

SERIAL NUMBER

PERMIT APPLICATION

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

60800

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

12080 HALL STAMP ROAD
Beltsville 21039GRADING/SEDIMENT CONTROL YES NO

SDP #

DESCRIPTION OF WORK AUTHORIZED

New single family home w/
attached 2 car garage
4BR
Existing Driveway

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
-	211	-	-	1	-	-

SUB DIVISION	ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.
-N/A	RR	41	S	6051.02

OWNER NAME AND ADDRESS PHONE NO.

Michael Edward Broun 301-716-9370
11609 Spruce Lane, Beltsville Md 21045

OCCUPANT'S NAME AND ADDRESS PHONE NO.

Michael Edward Broun 301-716-9370

ARCHITECT OR ENGINEER'S NAME AND ADDRESS PHONE NO.

Shanabarger & Sons 301-461-9563
Suite 1064 107
Belmont City - Md. 21043 - Scott Shanabarger

CONTRACTOR'S NAME AND ADDRESS PHONE NO.

Chris B. Broun - Michael Broun
Owner & Developer
11609 Spruce Lane, Beltsville Md 21045
301-716-9370

EXISTING USE PROPOSED USE

Home A trailer Home 1/2 acre
Single Family Home

EST. CONSTRUCTION COST LICENSE NUMBER PERMIT FEE

123,636 -

SIZE OF BLDG. FRONT DEPTH HEIGHT

TYPE OF BLDG. AREA VOLUME ROOF

B. ROOMS
ROOMS
BATHS
FIREPLACES

FOOTINGS FOUNDATION S. WALLS

UTILITIES

WATER/WELL SEWER/SEPTIC GAS ELECTRICITY TYPE OF HEAT AC

I have carefully examined and read this application and know the same is true and correct, and that is doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been complied with.

SIGNATURE

TITLE DATE

W/S CODE

FOR OFFICE USE ONLY

DISTANCE IN FEET FROM R/W LINE TO FRONT BUILDING LINE

SIDE YARD
(DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE)TO SIDE BUILDING LINE
DISTANCE IN FEET, REAR YD. REQUIRING SET

BACK (CORNER LOT ONLY)

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

CAUTION

To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.
Use and occupancy permit must be applied for two weeks before it will be issued.

FUNCTION DATE SIGNATURE APPROVAL

ZONING/PLANNING X

SHA

SEDIMENT/GRADING X

BUILDING OFFICIAL X

WATER & SEWER

HEALTH DEPT. X

FIRE PROTECTION

STORM WATER MGM. X

APPROVED

DATE

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

LP-69-591

Distribution of Copies:
White - Building Official
Green - Planning & Zoning

Yellow - Engineering
Pink - Health Dept.
Gold - S.H.A.

For the Record:

Boosalis Property
12080 Hall Shop Rd
TH4/P 211

- ① I met with Mr. Boosalis on Tuesday Morning Aug 29, 1995. A new well (H0-94-0657) Has been drilled (89pm) to replace existing hand dug well. Mr Boosalis plans to properly abandon and seal the existing hand dug well in the next several weeks; per our discussion he'll call for a sanitarian inspection to verify total well depth, and show a sample of washed gravel to be used as filler material; he'll then gravel fill well on a weekend and call for an appointment when he plans to pour the cement cap to this well. He has a partially completed well abandonment form in his possession which he'll give to sanitarian at this inspection. He may coordinate this inspection with the installation of a repair septic system (size & location mentioned below).
- ② Mr Boosalis plans to walk thru his Building Permit application (New house - 3 or 4 Bedroom [to be determined later] to replace existing 2 Bdrm Trailer which is on site but removed from original location and disconnected from current septic & water systems (to be abandoned).
- ③ He'll be bringing in a revised site plan (which will later be submitted with his building permit application) for our review and approval. A preliminary submitted last week needed several changes. Stanberger will be revising this plan, but Mr Boosalis will hand carry. Please review plan for adequacy. It should show:
- ① ~~the~~ Location of New existing well and Neighbor's hand dug well (on left) plus 100 ft Radius.

(over)

B a 25' radius around well to be abandoned (and reasonable writing to that effect)

C) Trend locations for two septic systems. (Check to see if this is enough for a 3 Bdrm (180 LF, total trench system) or a 4 Bdrm House (240 LF trench per system)

D) Check New House location (supposed to be another 15 ft farther down hill on revised plan,

e) Show location of existing septic system (to be abandoned)

F) Please check that lowest trenches conform to test results and stays where water table observed at 8 ft - Not where W.T. is at 5 ft. (ie. keep the septic systems as far up hill ~~as~~ as well locations will permit.

For Puley
8/29/95

C1 2814 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A-50818

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED 081095 DATE WELL COMPLETED 082495

Depth of Well 240 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 0-94-0657

OWNER Chris Boosalis STREET OR RFD 12080 Hall Shop Rd. TOWN Fulton

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes entries for Topsoil, Br. micaceous clay, Br. mica, Tan mica schist, Gray mica schist, and Br. mica.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL (C) CEMENT, (B) BENTONITE CLAY. NO. OF BAGS 30, NO. OF POUNDS 3000.

CASING RECORD. MAIN CASING TYPE (S) STEEL, (C) CONCRETE, (P) PLASTIC, (O) OTHER. Nominal diameter 6 inches, Total depth 80 feet.

OTHER CASING (if used) table with columns for diameter and depth.

SCREEN RECORD. screen type or open hole (S) STEEL, (BR) BRASS BRONZE, (PL) PLASTIC, (HO) OPEN HOLE, (OT) OTHER.

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED: (Y) YES, (N) NO.

CIRCLE APPROPRIATE LETTER: A (well abandoned), E (electric log), P (test well converted).

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04.

TYPE: MWD/MSD/MGD 40 DRILLERS LIC. NO. 40

DRILLERS SIGNATURE: George F. Eastenbury

LIC. NO. [Signature]

SITE SUPERVISOR (sign) of diller or journeyman responsible for sitework if different from permittee

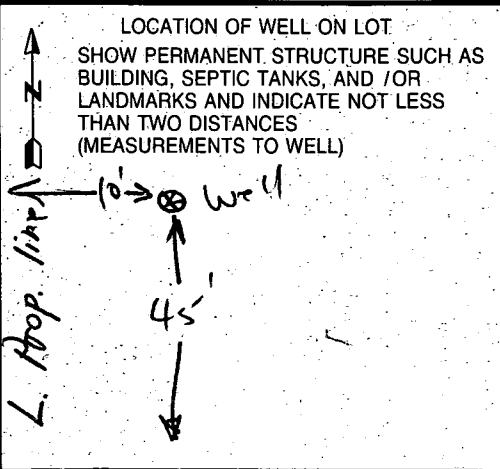
DEPTH (nearest ft.) table with columns for depth intervals. Includes slot size and diameter of screen.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.) W Q 74 75 76. Includes TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST. HOURS PUMPED (nearest hour) 3. PUMPING RATE (gal. per min.) 8. METHOD USED TO MEASURE PUMPING RATE Bucket. WATER LEVEL (distance from land surface) 50 ft. BEFORE PUMPING 50 ft. WHEN PUMPING 200 ft. TYPE OF PUMP USED (for test) (A) air, (P) piston, (T) turbine, (C) centrifugal, (R) rotary, (O) other, (J) jet, (S) submersible.

PUMP INSTALLED. DRILLER WILL INSTALL PUMP (YES) (NO). TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon). PUMP HORSE POWER. PUMP COLUMN LENGTH (nearest-ft.). CASING HEIGHT (circle appropriate box and enter casing height). LAND SURFACE (nearest foot).



SEPTIC SYSTEM DATA

INV. AT HOUSE: 477.0

SEPTIC TANK
 EX. GRADE: 474.0
 FIN. GRADE: 478.3
 INV. IN: 476.8
 INV. OUT: 476.5

1ST DISTRIBUTION BOX
 EX. GRADE: 479.2
 FIN. GRADE: 478.0
 INV. IN: 476.4
 INV. OUT: 476.4

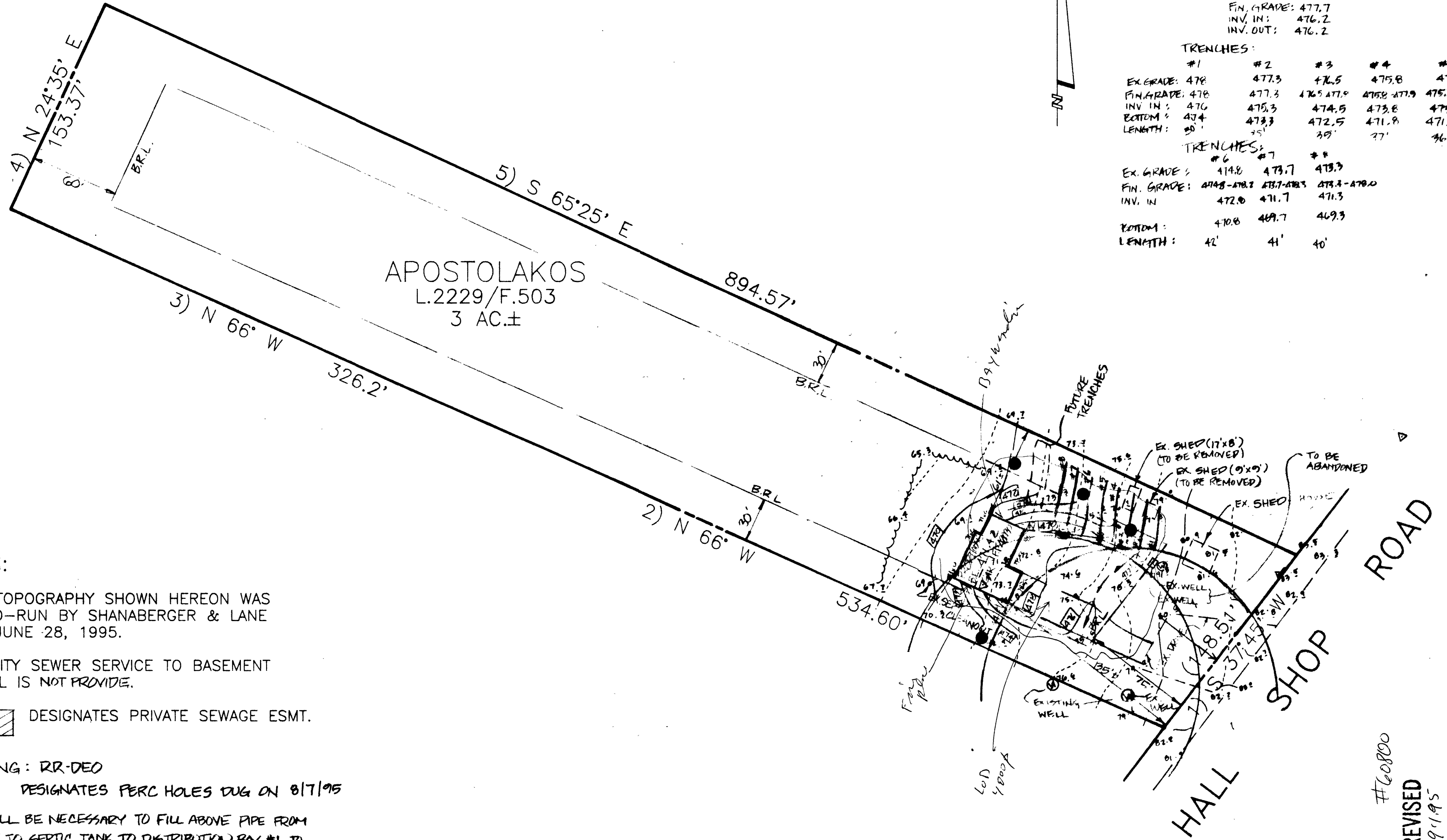
2ND DISTRIBUTION BOX
 EX. GRADE: 476.7
 FIN. GRADE: 477.7
 INV. IN: 476.2
 INV. OUT: 476.2

TRENCHES:


#1	#2	#3	#4	#5
EX. GRADE: 478	477.3	476.5	475.8	475.2
FIN. GRADE: 478	477.3	476.5-477.0	475.8-477.0	475.2-478.0
INV. IN: 476	475.3	474.5	473.8	473.2
BOTTOM: 474	473.3	472.5	471.8	471.2
LENGTH: 30'	35'	39'	37'	36'

TRENCHES:

#6	#7	#8
EX. GRADE: 474.8	473.7	473.3
FIN. GRADE: 474.8-478.7	473.7-478.3	473.3-478.0
INV. IN: 472.0	471.7	471.3
BOTTOM: 470.8	469.7	469.3
LENGTH: 42'	41'	40'



NOTES:

1. THE TOPOGRAPHY SHOWN HEREON WAS FIELD-RUN BY SHANABERGER & LANE ON JUNE 28, 1995.
- 2., GRAVITY SEWER SERVICE TO BASEMENT LEVEL IS NOT PROVIDED.
3.  DESIGNATES PRIVATE SEWAGE ESMT.
4. ZONING: RR-DEO
5. ● DESIGNATES PERC HOLES DUG ON 8/7/95
6. IT WILL BE NECESSARY TO FILL ABOVE PIPE FROM HOUSE TO SEPTIC TANK TO DISTRIBUTION BOX #1 TO DISTRIBUTION BOX #2 TO TRENCH #1 IN ORDER TO HAVE 10" OF COVER OVER PIPE INVERT.

SHANABERGER & LANE
 8726 TOWN AND COUNTRY BLVD.
 SUITE 104
 ELLICOTT CITY, MD. 21043
 (410)461-9563 FAX:461-9693

SITE PLAN
 APOSTOLAKOS PROPERTY
 L.2229/F.503

5TH ELECTION DIST. HOWARD CO., MD.
 SCALE: 1"=50' JUNE 28, 1995

REV 7/11/95 REV. 8/16/95
 REV 9/1/95

#60800

REVISED

Date: 9/1/95

Comments: House moved, plugged