

7/19/92 ASAD

Tap ID = 03316645

PERMIT

SEWAGE DISPOSAL SYSTEM

P 48323

A 36254

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEX-TIME EXPIRED FOR F.C.O.P.

DISTRICT 3rd

HOWARD COUNTY HEALTH DEPARTMENT COMPLIANCE

DATE 7/6/92

BUREAU OF ENVIRONMENTAL HEALTH
461-9933

5/7/92 C Williams / C.B.V.

DATE SYSTEM APPROVED 7/19/92

INSPECTOR *[Signature]*

INDEXED

Custom Excavation IS PERMITTED TO INSTALL ALTER

ADDRESS 12789 Folly Quarter Road, Ellicott City, Md. 21042 PHONE 531-2876

SUBDIVISION River Downs, Sec. II LOT 14 ROAD 924 High Stepper Trail

PROPERTY OWNER Horace Lowman

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS *as installed -> 2000 gal (1500 gal below outlet invert)*

BLDG. PERMIT SIGNED
AND RETURNED 3/2/92
*Serial # 610109345 -
1-Story Shed/Storage
Building*

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 170 feet from the front lot line and 110 feet from the left lot line. Run trenches on contour in both directions. (SEPTIC LOCATION AND RESERVE AREA REVISED FOR CONSISTENCY WITH BUILDING PERMIT PROPOSAL)

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 2/19/92 RH*

PLANS APPROVED BY C. Williams REVISED DATE 2/04/92

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

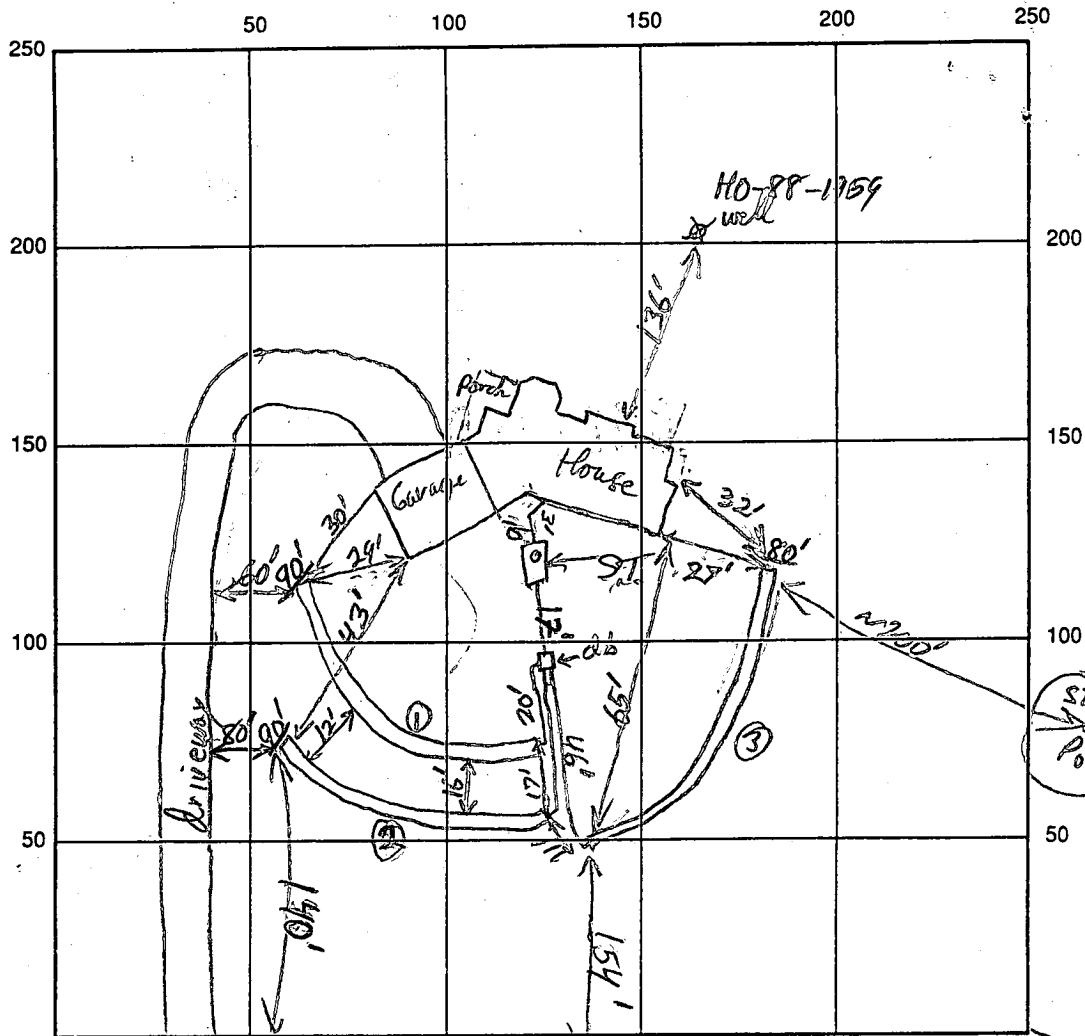
PERMIT VOID AFTER TWO YEARS

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**

A 36254



High Stepper Trail INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 2000 gal 3' x 10 1/2' x 7' ID deep ✓ CLEANOUTS S.T. ✓

DISTRIBUTION BOX LEVEL ✓ 2 1/2' x 2 1/2' hole box (lid is 2' below original grade)

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 1 2 3 90/90/80 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 1 2 3 270/270/240 SQ. FT. 780

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

ABSORBENT AREA 780 SQ. FT.

REMARKS: Need to place paper over gravel in Trench #3 then OK to cover RPP 7/9/92

DATE SYSTEM APPROVED 7/9/92 INSPECTOR Ronald [Signature]

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 36254

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 11/26/85

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.

PROPERTY OWNER ~~Chase Development Corporation~~ HORACE LOWMAN 410-465-2259

ADDRESS P.O. Box 5780 Pikesville, Maryland 21208 PHONE (301) 484-3100

PROPERTY LOCATION: LOT 4 Prelim. 11/86

SUBDIVISION River Downs LOT NO. B

ROAD AND DESCRIPTION River Road - 2800' Northeasterly From Route 32 924 High Stepper Trail

SIZE OF LOT 3 Ac. TYPE BLDG. Not Known
(NUMBER OF BEDROOMS)

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.

William Rasch Purdum & Lochke
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Shallow tile fields DATE 1-2-87

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12-5-85 Wet Season Retest & Redesign Required. S. Abel
4-8-86 Perc Satisfactory; Shallow System only; Hold For certified
subdivision plat. S. Abel

BLDG. PERMIT SIGNED
AND RETURNED 2/4/92
Serial # 40909 - SFD

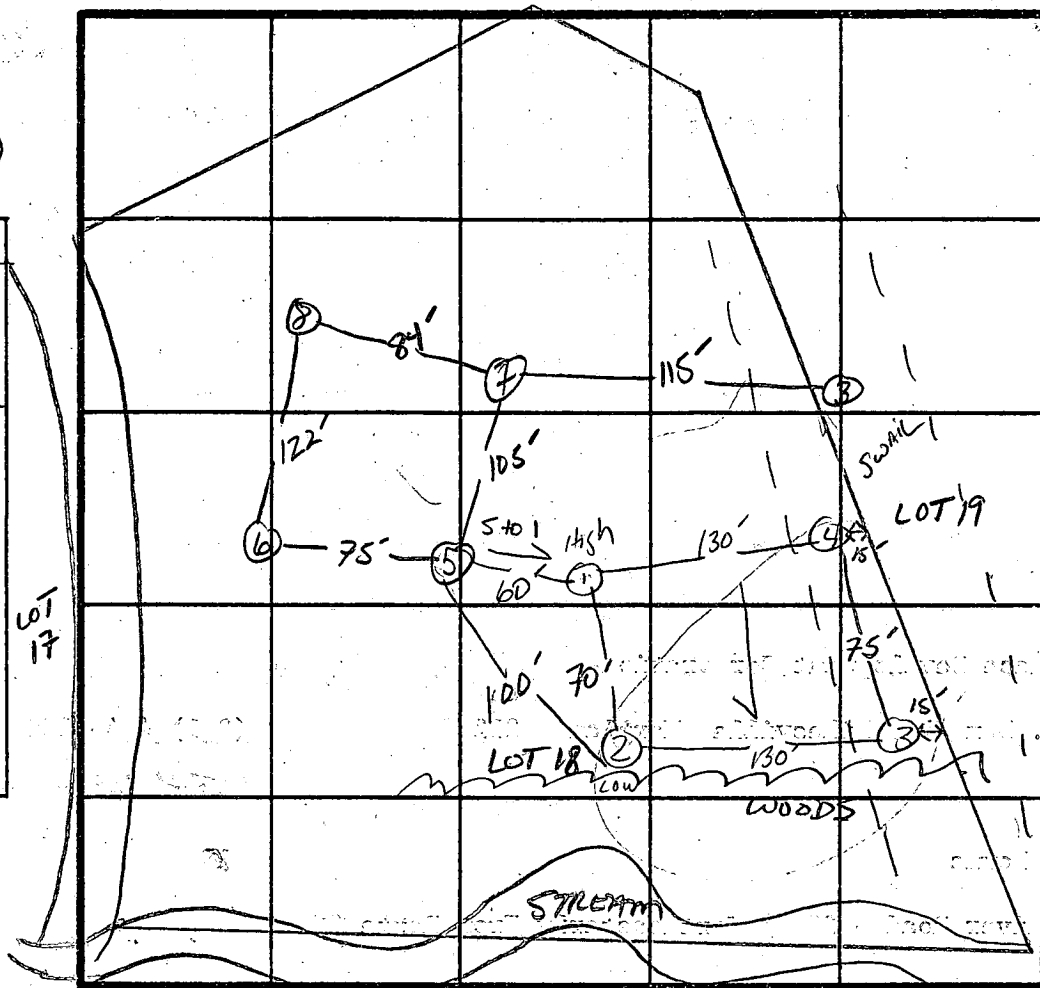
THIS IS NOT A PERMIT

SOIL PROFILE

① ④
 0
 12" AP
 Yellow Br. Silty Clay LOM 210% SAPROLITE
 4'
 Brown to Olive Br. Silty Sand LOM 210% SAPROLITE
 12"

② ③
 0
 12" AP
 Grey Yellow Br. Silty Clay LOM 2100% SAPROLITE
 6'
 Yellow Br. Silty Sand LOM w/ Grey mottles 210% SAPROLITE
 9'

⑦ ⑧
 ⑤ ⑥
 0
 12" AP
 Yellow BR Silty CLAY LOM 210% FRAGMENTS
 3.5
 4' Light BR SAND LOM 210% FRAGMENTS
 13"



X Perc
 2min
 INLET 3'
 BOTTOM 4.5'
 1.60 #/BR

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
12/4/85	1 S V	4" 12"	10:22 UNIFORM	10:23 SOIL	10:23 STRUCTURE	10:25 Below 4"	2min
	X 2 V		Bail soil water at 9'				
	X 3 V		Bail soil water at 10'		IN SWAIL		
	X 4 V		same as hole #1 -		IN SWAIL WATER AT 11'		
	X 5 S V	4" 13"	1:21 UNIFORM	1:22 SOIL	1:22 STRUCTURE	1:24 Below 3.5"	2min
	X 6 S V	4" 13"	1:25 UNIFORM	1:25:30 SOIL	1:25:30 STRUCTURE	1:27 Below 3.5"	1.5min
	X 7 S V	4.5" 12"	1:28 UNIFORM	1:29 SOIL	1:29 STRUCTURE	1:30:30 Below 4"	1.5min
	X 8 S M	3.5" 8"	1:42 1:47	1:43 1:48	1:43 1:48	1:45 1:50	2min 2min
	X 8 V	13	UNIFORM SOIL				

4786- SHALLOW SYSTEM ONLY. S. HOLE

REMARKS Wet Season Retest & Redesign to Avoid SWAIL

TYPE OF SOIL Glenelg / Glenville inclusion - Bail HOLE 5-8 Glenelg SAND Lm.

TESTED BY S. Abel

ALSO PRESENT Jeff. Johns, CURRIS

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 36255
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 11/26/85

failed

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.

PROPERTY OWNER Chase Development Corporation

ADDRESS P.O. Box 5780 Pikesville, Maryland 21208 PHONE (301) 484-3100

PROPERTY LOCATION:

NOW PART OF LOT 4

SUBDIVISION River Downs LOT NO. 19

ROAD AND DESCRIPTION River Road - 2800' Northeasterly From Route 32

SIZE OF LOT 3 Ac. TYPE BLDG. Not Known
(NUMBER OF BEDROOMS)

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.

Carlton G. Harsh
(SIGNATURE OF APPLICANT) *Purden & Jeschke*

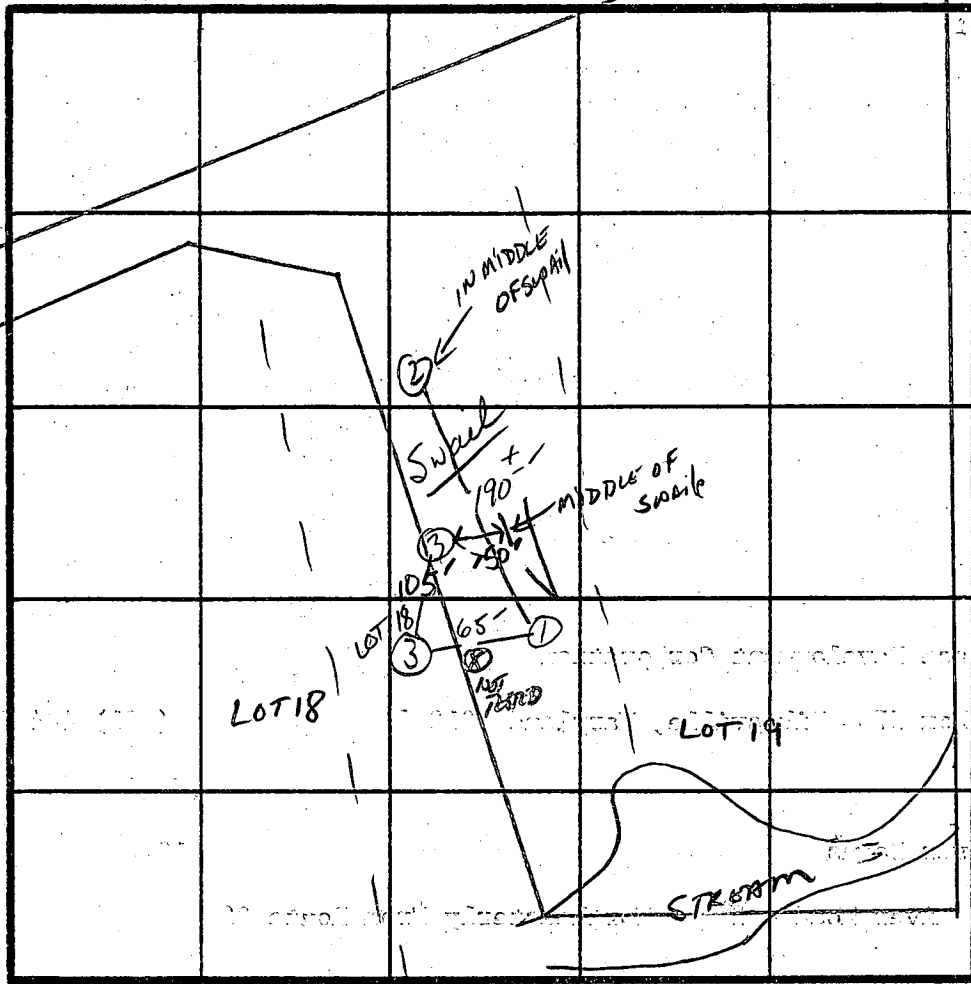
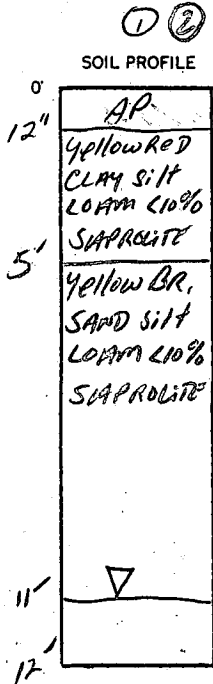
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12-5-85 WET SEASON RETEST + Redesign Required. S. Adel
4-8-86 Unacceptable Perc. - NOT APPROVABLE AS PERCED AND LOT
design. Lot + Perc located in swale. S. Adel

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
 ↓ TO RIVER Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/4/85	1 ✓	12'	LOCATED IN SWAIL - NO WATER ENTERING 166E					
	2 ✓	11'	LOCATED IN SWAIL WATER AT 11'					
4/7/86	3 ✓	13'	WATER AT 12'					

4-7-86 UNACCEPTABLE PERC AREA, S. Abel

REMARKS: AREA IN SWAIL; LOT LOCATED IN SWAIL & DRAINAGE AREA. DESIGN MAY NOT IMPROVE STATUS OF LOT.

TYPE OF SOIL: Glenelg
 TESTED BY: S. Abel

Jeff, John, Curtis
 ALSO PRESENT

C1 **4621** SEQUENCE NO. (DENV. USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WELL COMPLETION REPORT
 FILL IN THIS FORM COMPLETELY
 PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER **A36254**

ST/CO USE ONLY
 DATE Received [] [] [] [] [] []
 DATE WELL COMPLETED **090391**

Depth of Well
 22 **205** 26
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
MO-98-1959

OWNER **Harold High**
 last name **High** first name **Harold** TOWN **Sykesville**
 STREET OR RFD **RIVER DOWNS** SECTION **11** LOT **14**

WELL LOG
 Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
SAND	0	36	
Clay like rock	36	205	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **14** NO. OF POUNDS **1316**
 GALLONS OF WATER **34**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **36** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO** **PL** **OT**
 STEEL CONCRETE PLASTIC OTHER
 MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **40**

OTHER CASING (if used)
 diameter inch depth (feet) from to

SCREEN RECORD
 screen type or open hole insert appropriate code below
ST **BR** **HO** **PL** **OT**
 STEEL BRASS OPEN HOLE PLASTIC OTHER

C2
 DEPTH (nearest ft.)
 1 **110** **39** **205**
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) from to

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **805**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **33** WHEN PUMPING **39**
 TYPE OF PUMP USED (for test) **A** air **P** piston **T** turbine **C** centrifugal **R** rotary **O** other (describe below) **J** jet **S** submersible

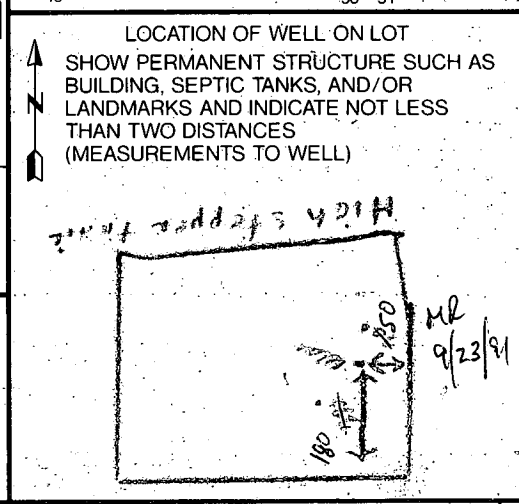
PUMP INSTALLED
 DRILLER WILL INSTALL PUMP YES **NO**
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.)
 CASING HEIGHT (circle appropriate box and enter casing height) **+** above **-** below LAND SURFACE (nearest foot)

CIRCLE APPROPRIATE LETTER:
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. **238**
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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



HOUSE
 FF. ELEV. 506.0
 L.L. ELEV. 496.0
 INVERT 498.5

2000 GAL. TANK
 EX. GRADE 500.0
 PROP. GRADE 500.0
 INK. IN 497.5
 INV. OUT 497.2

DISTRIBUTION BOX
 EX. GRADE 499.7
 PROP. GRADE 499.7
 INK. IN 496.7
 INV. OUT 496.5

TRENCHES

	A	B	C	D
EX. GRADE	499.0	499.0	498.0	498.0
PROP. GRADE	499.0	499.0	495.0	495.0
INV.	496.0	496.0	493.5	493.5
BOTTOM	494.5	494.5	493.5	493.5
STONE	1.5'	1.5'	1.5'	1.5'
WIDTH	3'	3'	3'	3'
LENGTH	80'	80'	80'	80'

SITE PLAN

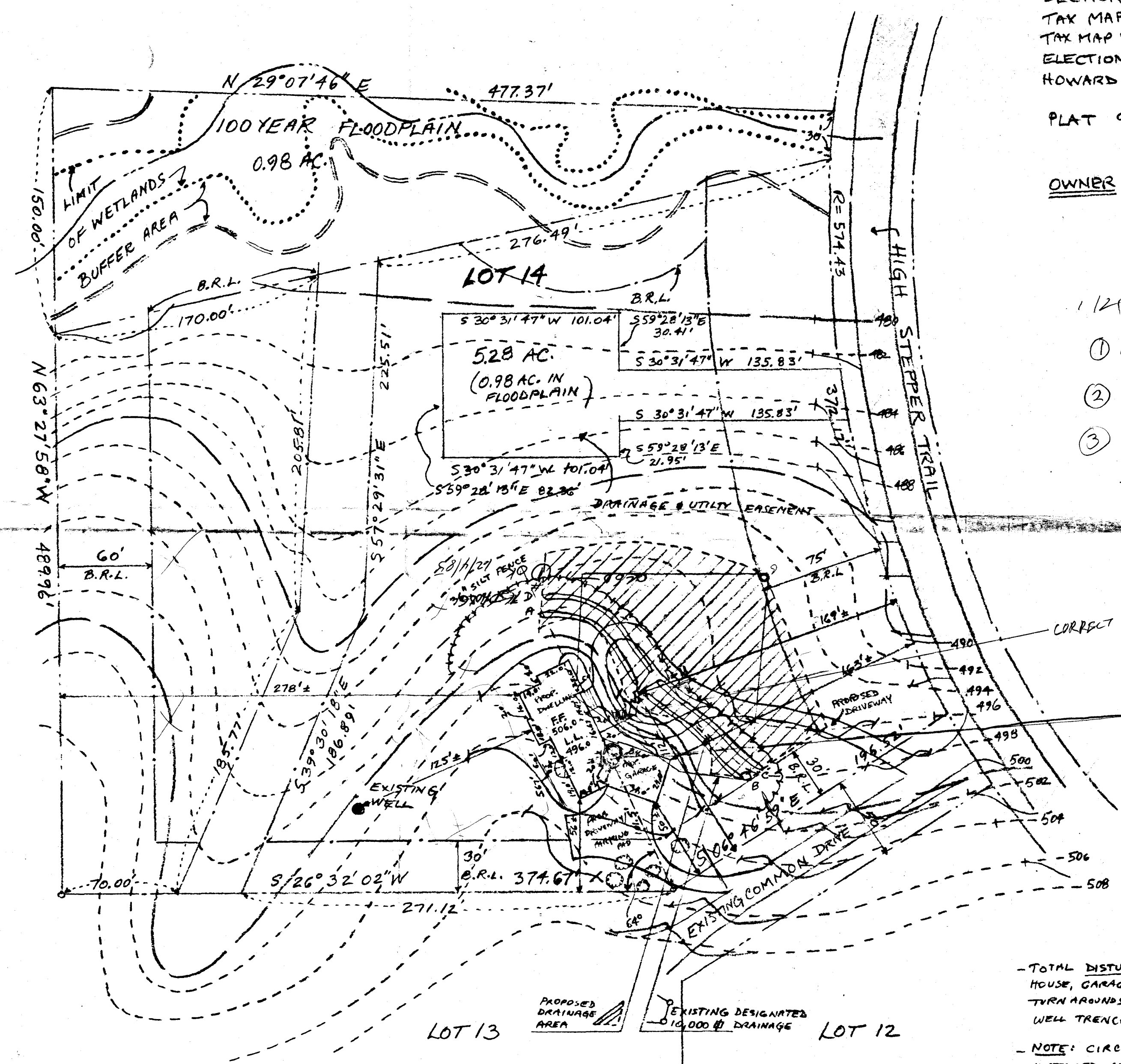
SCALE: 1" = 50'

924 HIGH STEPPER TRAIL
 LOT-14
 RIVER DOWNS
 SECTION-2
 TAX MAP-9
 TAX MAP PARCEL NO. - 66
 ELECTION DISTRICT - 3RD
 HOWARD COUNTY, MARYLAND
 PLAT 9707 (12/30/90)

OWNER: HORACE LOWMAN
 2633 THORNBROOK RD
 ELLICOTT CITY, MD
 21043

410-465-2259

- 1/21/92 PLANS REJECTED
- ① Person who drew plan unknown
 - ② House is sitting on perc holes
 - ③ Circular Driveway is major impact on septic system



CORRECT LOCATION OF DISTRIBUTION BOX

CORRECT LOCATION OF PERC HOLE

1/24/92
 Callow Owner H. Lowman
 He referred to David Johnson
 a builder, as person responsible
 for site plan (442 1806)

He said Mr Johnson Callow
 someone in the office
 recently about septic system
 well trench is approx. 20,000 SF.
 Called & left message
 with machine
 BH

- TOTAL DISTURBED AREA INCLUDING HOUSE, GARAGE, PORCHES, DRIVEWAYS, TURN AROUNDS, SEPTIC SYSTEM AND WELL TRENCH IS APPROX. 20,000 SF.
 - NOTE: CIRCULAR DRIVE TO BE INSTALLED AFTER SEPTIC SYSTEM IS COMPLETED, THE HOUSE IS SUBSTANTIALLY COMPLETE, AND ALL PREVIOUSLY DISTURBED AREAS ARE STABILIZED.

DRAWN BY DAVID E JOHNSON
 442-1806

Revised Septic Area OK,
 previously unused, but acceptable
 test info. for modified area.
 Callow

