

10/16/97  
1:00 c.d.  
10/27/97  
house conn  
anytime

Tax ID - 03316572

10/16/97 needs house conn (KM)  
10/27/97 has house conn (KM)

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 58999E  
A 36253  
DISTRICT 3rd  
DATE 9/30/97  
DATE SYSTEM APPROVED 10/27/97  
INSPECTOR KM

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

INDEXED

Jack Fyock Septic Services IS PERMITTED TO INSTALL  ALTER

ADDRESS 13775 Triadelphia Road, Glenelg, Maryland 21738 PHONE 410-988-9270

SUBDIVISION River Downs, Section II LOT 7 ROAD 925 Highstepper Trail

PROPERTY OWNER Susan & Robert Maloof, Jr.

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5 \*MANHOLE CLEANOUT REQUIRED IF GRADE OVER TANK IS GREATER\*  
\*THAN THREE FEET\*

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 350

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 the distribution box 65 feet from the front lot line and 200 feet from the right lot line. Run trenches along contour toward High Stepper Trail.

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

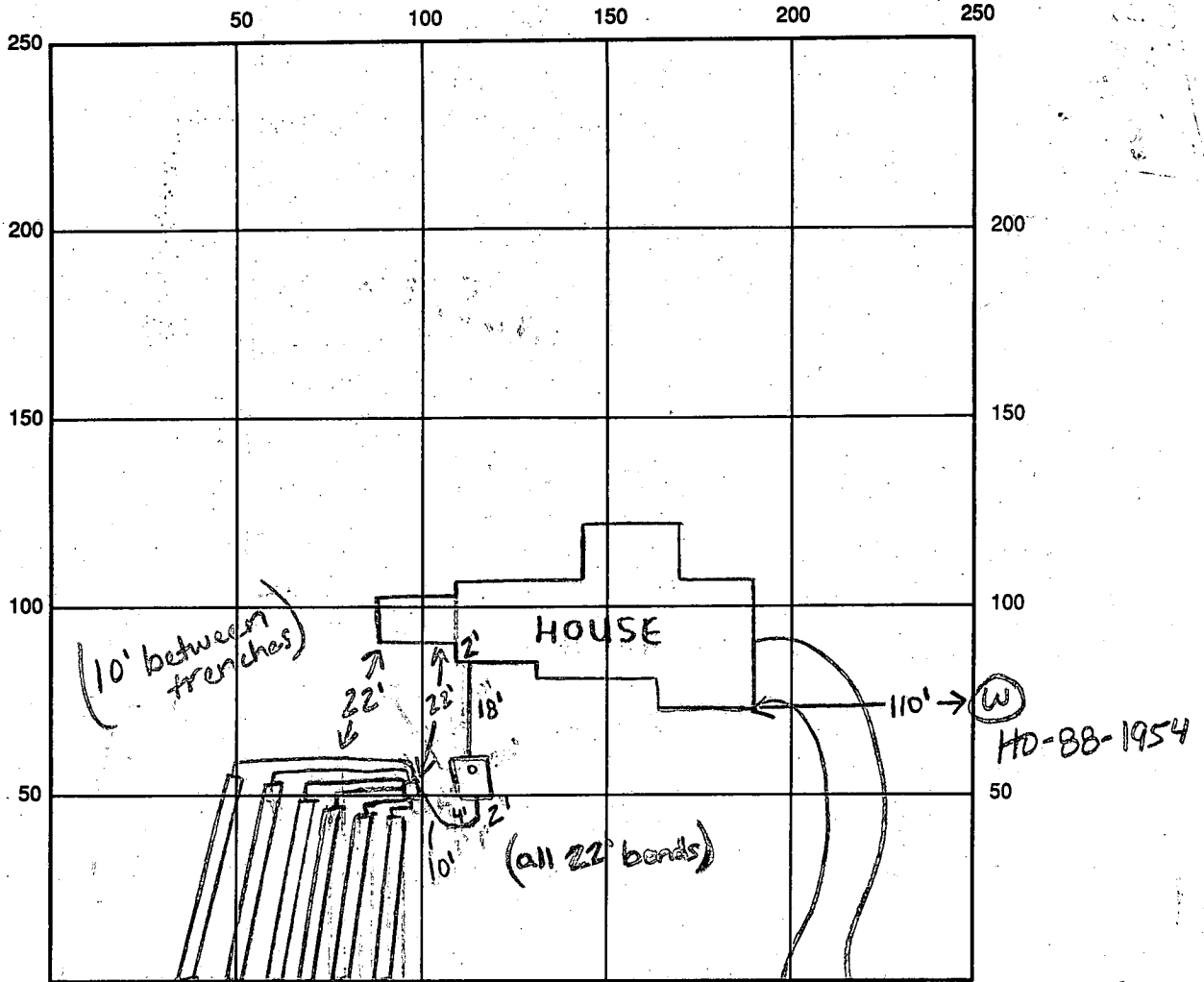
OK KM 7-30-97

PLANS APPROVED BY C. Williams/Kimberly Maiste REVISED \_\_\_\_\_ DATE 07/28/97

- 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**  
\*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
 65' 65' 65' 60' 60' 50' High Stepper Trail

SEPTIC TANK LEVEL OK CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK

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

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 365 FT.  $\frac{3 \times 65}{1 \times 50} = 365$

NUMBER OF TRENCHES 6 ONE-SIDED WALL/BOTTOM AREA 1095 SQ. FT.

DRYWELL  
 DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 10/16/97 needs house conn, ok to cover all work (km)  
10/16/97 existing well in different location than shown on building permit plan  
discussed with builder, location of well will have no impact on septic  
but is less than regulation from property line (km)  
10/16/97 WPI ok to cover well line, P.A. 3.5' below grade, casing 1.0' above  
grade, has 2 piece cap (km)  
 DATE SYSTEM APPROVED 10/27/97 INSPECTOR Kimberly Maiste  
10/27/97 has house connection, ok to cover (km)

# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 36253  
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~~ Susan & Robert Maloot, Jr  
ADDRESS P.O. Box 5780 Pikesville, Maryland 21208 PHONE (301) 484-3100

PROPERTY LOCATION: LOT #7 Prelimin. 11/86  
SUBDIVISION River Downs LOT NO. 09

ROAD AND DESCRIPTION River Road - 2800' Northeastly From Route 32 BLDG. PERMIT SIGN. ONE DENIED 7-28-87  
(925 High Stepper Trail) Serial # B0110 7079  
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 G. Rasch & Purden & Joschke  
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Shallow test 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 HAD FOL Certified Subdivision Plat. Shallow System  
only

## THIS IS NOT A PERMIT

SOIL PROFILE

0" - 12" AI-3  
Yellow Br. SAND CLAY LOAM 210% SAPROCLITE

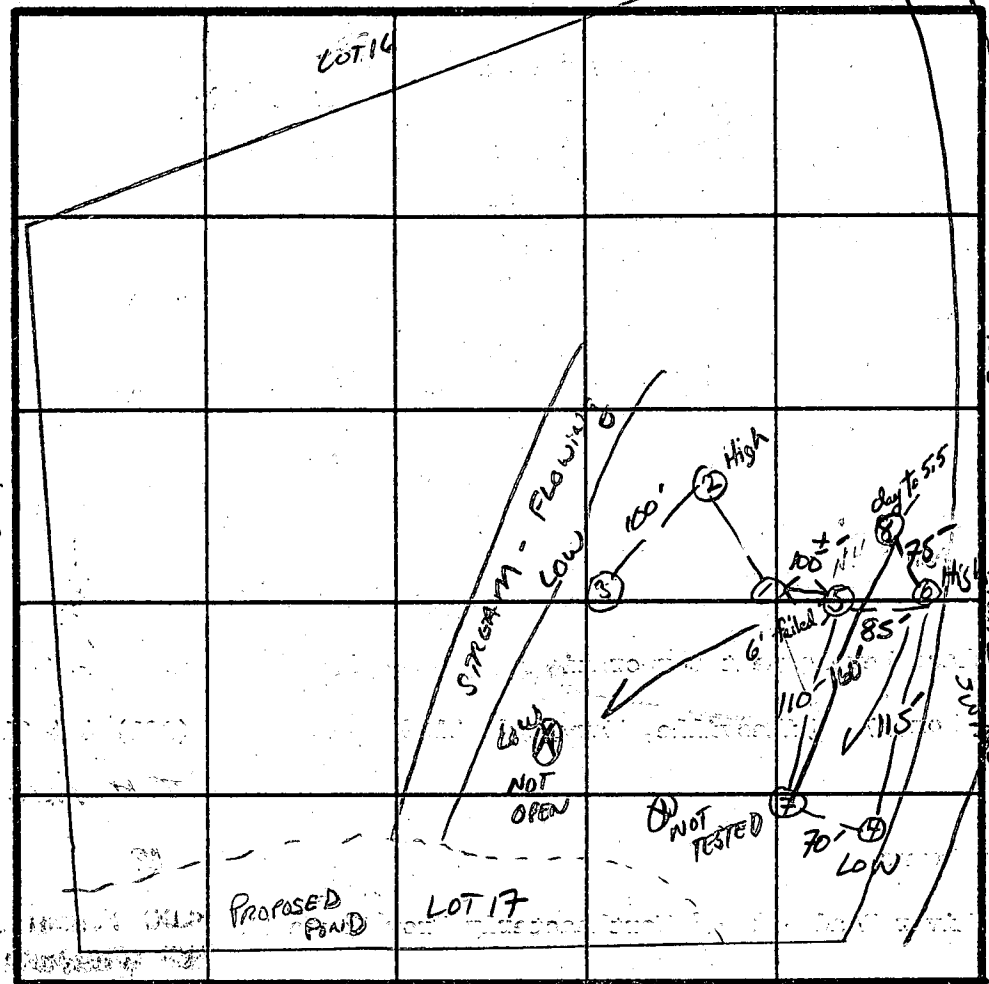
3" - 18" Olive Green SAND SILT LOAM 210% SAPROCLITE w/ Grey mottles

AP  
STRONG BR SILTY CLAY LOAM 210% FRAGMENTS

9.0" - 12.5" BROWN SILTY SAND LOAM 210% FRAGMENTS

AP  
STRONG BROWN SILTY CLAY LOAM 210% FRAGMENTS

5.5" - 6.5" Yellow Br SANDY LOAM 210% FRAGMENTS



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

AI-3  
Yellow Br. clay loam w/ grey mottles

Rock structure SANDSTONE Grey mottles

Grey Green sandy silt

AP  
Yellow BR SANDY CLAY LOAM 210% FRAGMENTS

Yellow BR SAND LOAM 210% FRAGMENTS

SOIL NET AT 12"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
12/4/85	1V	Glenville soil - WATER AT 11'						
	2V	WATER 10' Baile soil						
	3V	WATER AT 7'						
4/8/86	4S	4'	10:38	10:39	10:39	10:41	2min	
	5S	13.5'	UNIFORM SOIL STRUCTURE below 3'					
	6S	6.0'	10:43	11:13	30min < 1/2" movement failed			
	7S	12.5'	UNIFORM SOIL STRUCTURE below 9'					
	8S	4.5'	10:46	10:47	10:47	10:48:30	1.5min	
	9M	8"	10:49	10:50	10:50	10:53	3min	
	10V	13'	UNIFORM SOIL STRUCTURE below 3.5'					
	11S	4'	10:54	10:55	10:55	10:56:30	1.5min	
	12V	12.5'	UNIFORM SOIL STRUCTURE below 3.5'					
	13S	6.5'	12:29	12:30	12:30	12:32	2min	

PERC 2min

INLET 3.5

BOTTOM 5'

160 P/BR

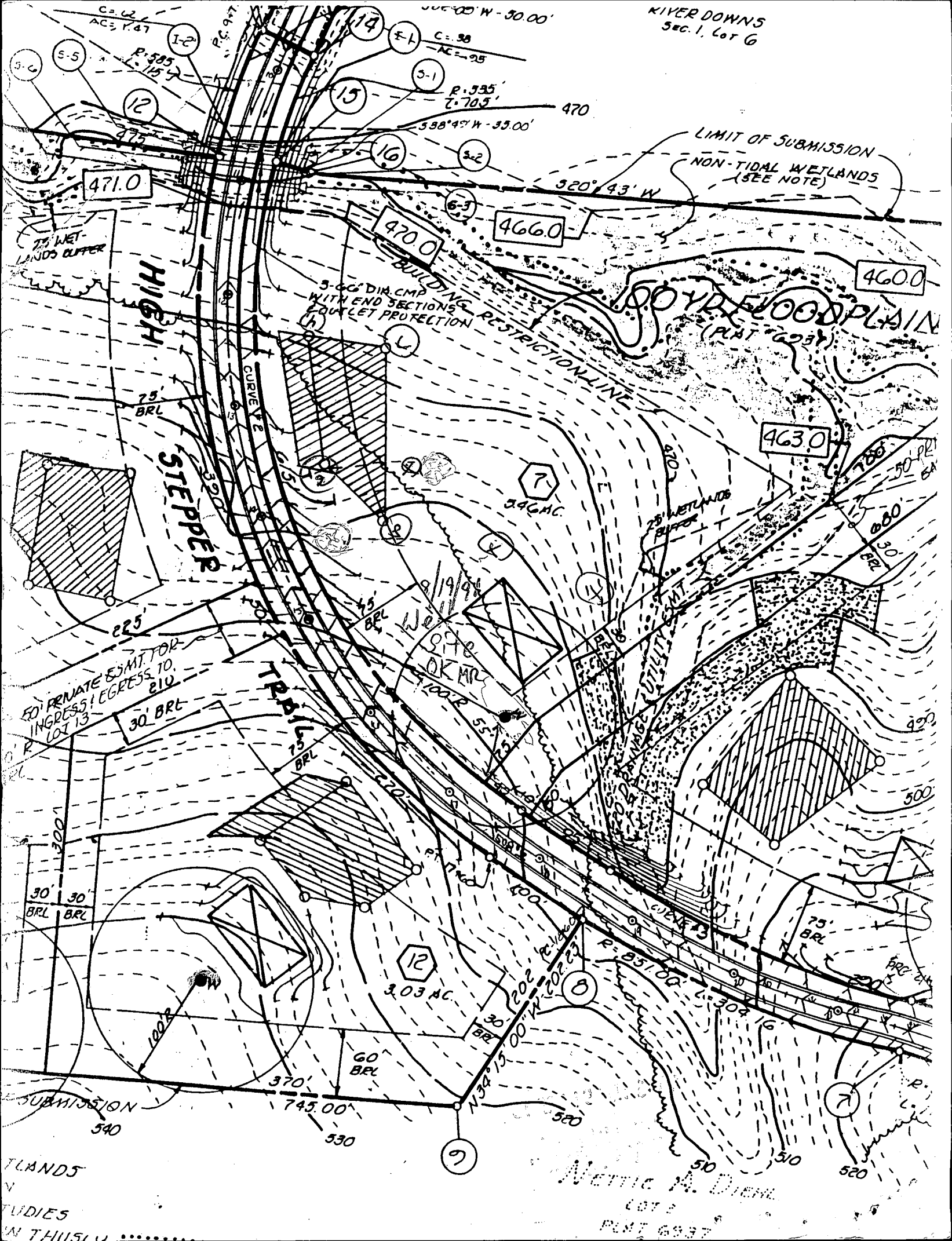
REMARKS: 4-8-86 < 50' from SWAIL / Proposed Rd. SKUNK CABBAGE GROWING N 100' FROM HOLE 7  
WET SEASON RETEST / REDESIGN REQUIRED UPON - SHALLOW SYSTEM ONLY

TYPE OF SOIL: Glenville / Baile / Shallow System only

TESTED BY: S. Abel

ALSO PRESENT: Jeff John, Curtis

EH-12-10



RIVER DOWNS  
Sec. 1, Lot 6

LIMIT OF SUBMISSION  
NON-TIDAL WETLANDS  
(SEE NOTE)

100 YR FLOODPLAIN  
(PLAT 6231)

HIGH STEPPER

BUILDING RESTRICTION LINE  
3-46" DIA CMP  
WITH END SECTIONS  
FOR LET PROTECTION

WETLANDS BUFFER

WETLANDS BUFFER

50' PRIVATE EGRESS TO  
INGRESS TO  
LOT 13  
30' BRL

8/19/91  
WELL  
SITE  
OK MR  
1000'

SUBMISSION

Mattie A. Diehl  
LOT 2

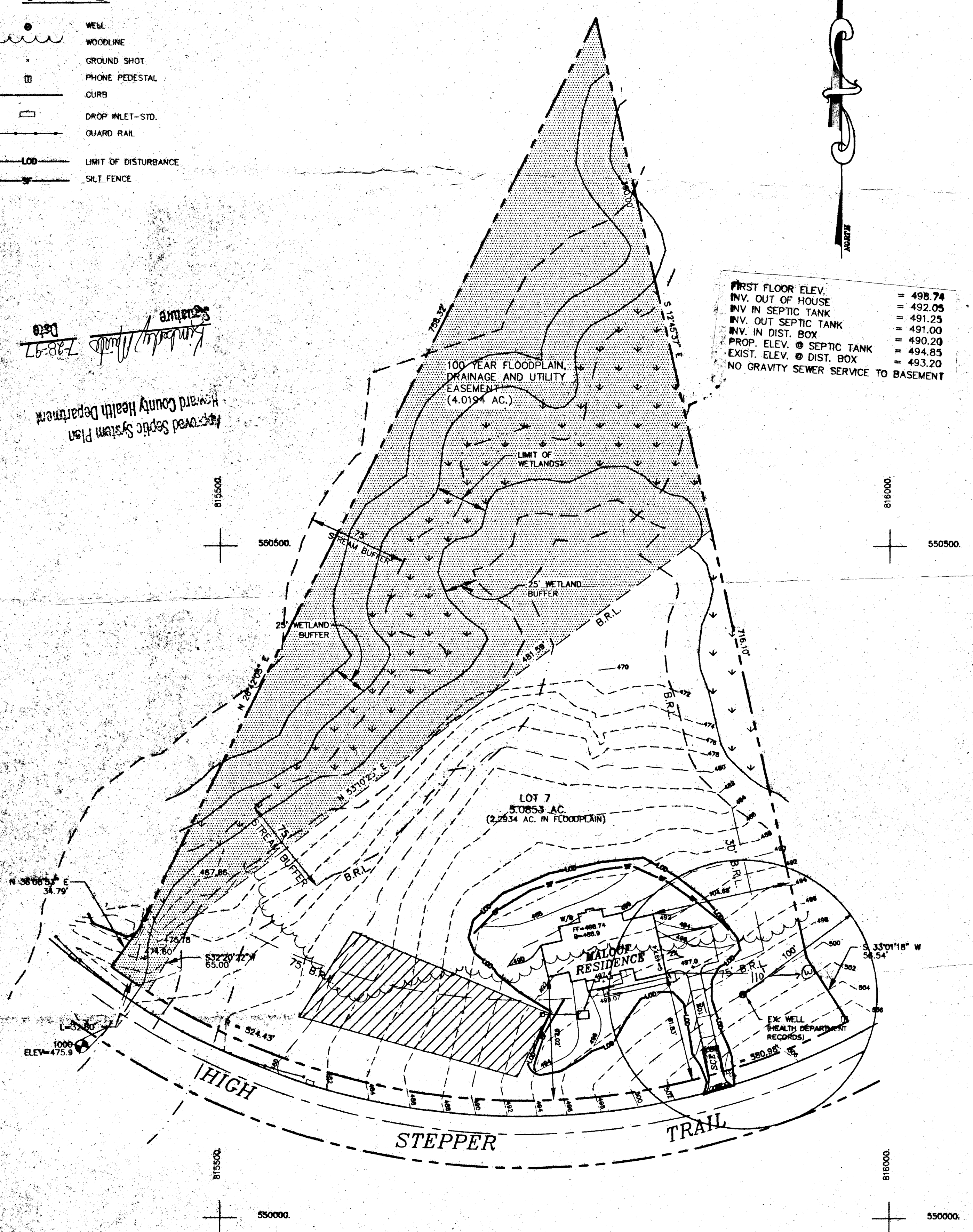
PLAT 6231

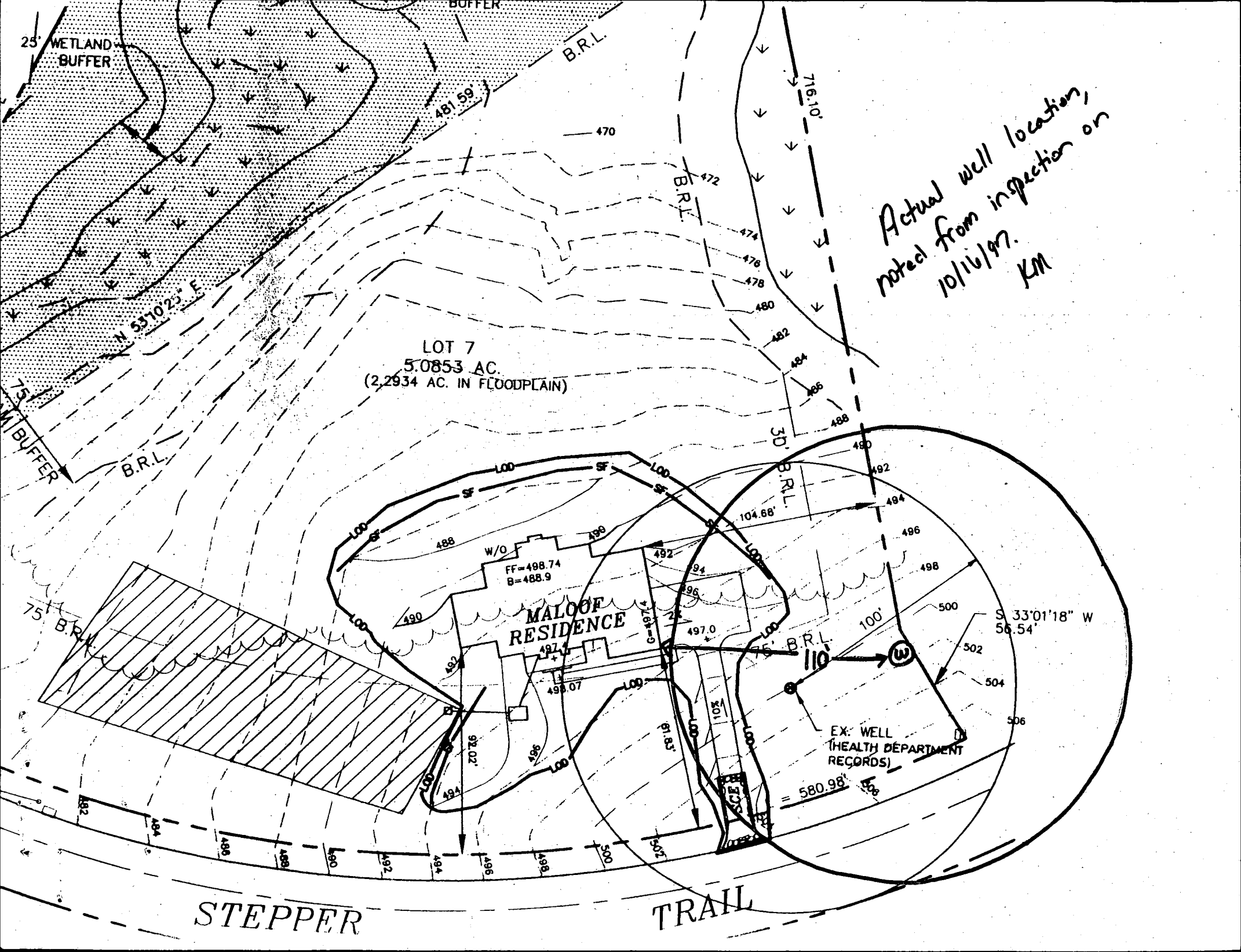
LANDS  
STUDIES  
IN THIS...

- WELL
- WOODLINE
- GROUND SHOT
- PHONE PEDESTAL
- CURB
- DROP INLET-STD.
- GUARD RAIL
- LIMIT OF DISTURBANCE
- SILT FENCE

*Signature*  
Date 7-28-97  
Approved Septic System Plan  
Howard County Health Department

FIRST FLOOR ELEV.	= 498.74
INV. OUT OF HOUSE	= 492.05
INV. IN SEPTIC TANK	= 491.25
INV. OUT SEPTIC TANK	= 491.00
INV. IN DIST. BOX	= 490.20
PROP. ELEV. @ SEPTIC TANK	= 494.85
EXIST. ELEV. @ DIST. BOX	= 493.20
NO GRAVITY SEWER SERVICE TO BASEMENT	





Actual well location,  
noted from inspection,  
10/16/97.  
KM

LOT 7  
5.0853 AC.  
(2.2934 AC. IN FLOODPLAIN)

MALOOF  
RESIDENCE

EX. WELL  
(HEALTH DEPARTMENT  
RECORDS)

STEPPER

TRAIL

C1 4617 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 A36253

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 10/10/91

Depth of Well 220 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-88-1954

OWNER Paris last name, Harold first name, High Stepper Trail, TOWN Sykesville, SUBDIVISION RIVER DOWNS, SECTION, LOT 7

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND, GRAY MICA Rock, 0 33, 33 220.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)

TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 9 NO. OF POUNDS 546 GALLONS OF WATER 54 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 34 ft.

CASING RECORD casing types insert appropriate code, below ST CO STEEL CONCRETE PL OT PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) 57 6 38

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

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

DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

CIRCLE APPROPRIATE LETTER 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. 239 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

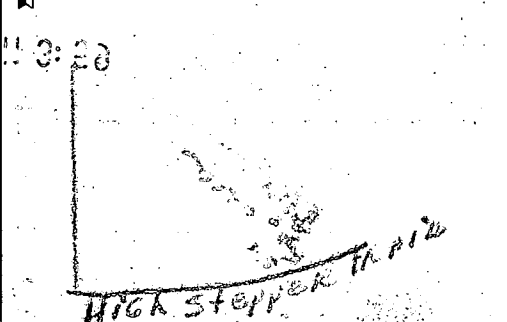
C3

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 6 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING WHEN PUMPING 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) LAND SURFACE

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



B 1 **0097** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
 APPLICATION FOR PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-88-1954**  
 fill in this form completely

Date Received (APA) **07/16/91**  
 OWNER INFORMATION  
 Last Name: **PARIS** Owner: **HAROLD**  
 Street or RFD: **PO BOX 1472**  
 Town: **ELICOTT CITY** State: **MD** Zip: **21043**

B 3 LOCATION OF WELL  
 COUNTY: **HOWARD**  
 SUBDIVISION: **RIVER DOWNS**  
 SECTION: **2** LOT: **7**  
 NEAREST TOWN: **SYKESVILLE**  
 MILES FROM TOWN: **2** MI

DRILLER INFORMATION  
 Driller's Name: **Joseph L. Mayne** License No. **238**  
 Firm Name: **Joseph L. Mayne Well Drilling**  
 Address: **5512 Ridge Rd. Mt. Airy MD**  
 Signature: **Joseph L. Mayne** Date: **7/15/91**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 NEAR WHAT ROAD: **High Stepper Trail**  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): **WEST**  
 DISTANCE FROM ROAD: **50** FT

B 2 WELL INFORMATION  
 APPROX. PUMPING RATE (GAL. PER MIN.): **5**  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): **500**

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT).  
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

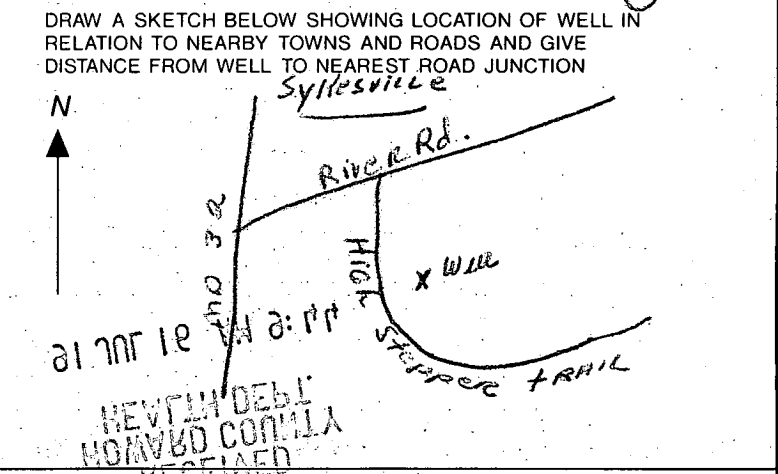
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
 COUNTY NAME: **Howard** COUNTY NO.: **A36253**  
 STATE SIGNATURE: **Mark E. Palkin** DATE ISSUED: **08/20/91**  
 NORTH GRID: **550000** EAST GRID: **0816000**

APPROXIMATE DEPTH OF WELL: **200** FEET  
 APPROXIMATE DIAMETER OF WELL: **6** INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER:  
 1. **WELL**  
 2. **OPEN**  
 3. **2 1/2' CASING A.G. BAGS**  
 WRITE THE BOX NUMBER FROM THE MAP HERE:  
 E: **81K6**  
 N: **550**  
 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

METHOD OF DRILLING (circle one)  
 BORED (or Augered)  JETTED  Jetted & DRIVEN  
 AIR-ROtary  AIR-PERcussion  ROTARY (Hydraulic Rotary)  
 CABLE  REVerse-ROtary  Drive-POINT  
 other: \_\_\_\_\_

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY  
 THIS WELL WILL DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE): \_\_\_\_\_



Not to be filled in by driller (OEP. USE ONLY)  
 APPROP. PERMIT NUMBER: **GAP**  
 FORCE: **MR** PERMIT No.: **HO-88-1954**

SPECIAL CONDITIONS: **997-1475**