

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
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 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 1/19/22 **ONSITE SEWAGE DISPOSAL SYSTEM** P 570915

APPROVAL DATE: 1/27/22 **PERMIT:** **REPAIR** A _____

PROPERTY ADDRESS: 1230 Crystal Ridge Drive

SUBDIVISION: MEADOW WOODS S1 LOT: 26 TAX ID: 03-312429

CONTRACTOR: Freedom Septic EMAIL: _____

CONTRACTOR ADDRESS: 2809 Liberty Rd., Sykesville, MD 21784 PHONE: (443) 306-9636

PROPERTY OWNER: James and Sandra Bannon EMAIL: _____

OWNER ADDRESS: 1230 Crystal Ridge Drive, Marriottsville, MD 21104 PHONE: _____

SEPTIC TANK SIZE (GALLONS): Existing PUMP CHAMBER CAPACITY (GALLONS): N/A PUMP SIZE: _____

NUMBER OF BEDROOMS: 4 HOUSE SQ. FT. _____ APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>110'</u>	INLET DEPTH: <u>2.5'</u>
	TRENCH WIDTH: <u>2'</u>	MAXIMUM BOTTOM DEPTH: <u>6.5'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.5'</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install new distribution box approximately 10ft below existing trench (keep off swale), running same direction of the existing trenches. Layout inspection is required prior to installation. Please note: Owner expressed concern that the new spec's were less total length than what was existing. Due to this adjustment, it will be ok to increase the length of the trenches to 180ft (2x90ft trenches instead of 2x55ft trenches) if the owner chooses too.	

ISSUED BY: Susan Thomas ISSUE DATE: 1/10/2022 EXPIRATION DATE: 1/10/2023

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADE FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E _____
- NOTE: THE HCHD DOES NOT WARRANT ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

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 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

TRENCH/DRAINFIELD DATA

WIDTH 2' INLET 2.5' BOTTOM 6.5'

NUMBER OF TRENCHES 2

TOTAL LENGTH 110 F

ABSORPTION AREA 220 SF + 3' SIDE WALL

DISTRIBUTION BOX LEVEL Speedy

DISTRIBUTION BOX BAFFLE CONC CAST

DISTRIBUTION BOX PORT YES

SEPTIC TANK DATA

SEPTIC TANK I LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH 20"

BAFFLES _____

BAFFLE FILTER CONC OUTLET

MANHOLE LOC NO CUT OUT ON LID

6" PORT LOC INLET

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

PUMP/SEPTIC TANK LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

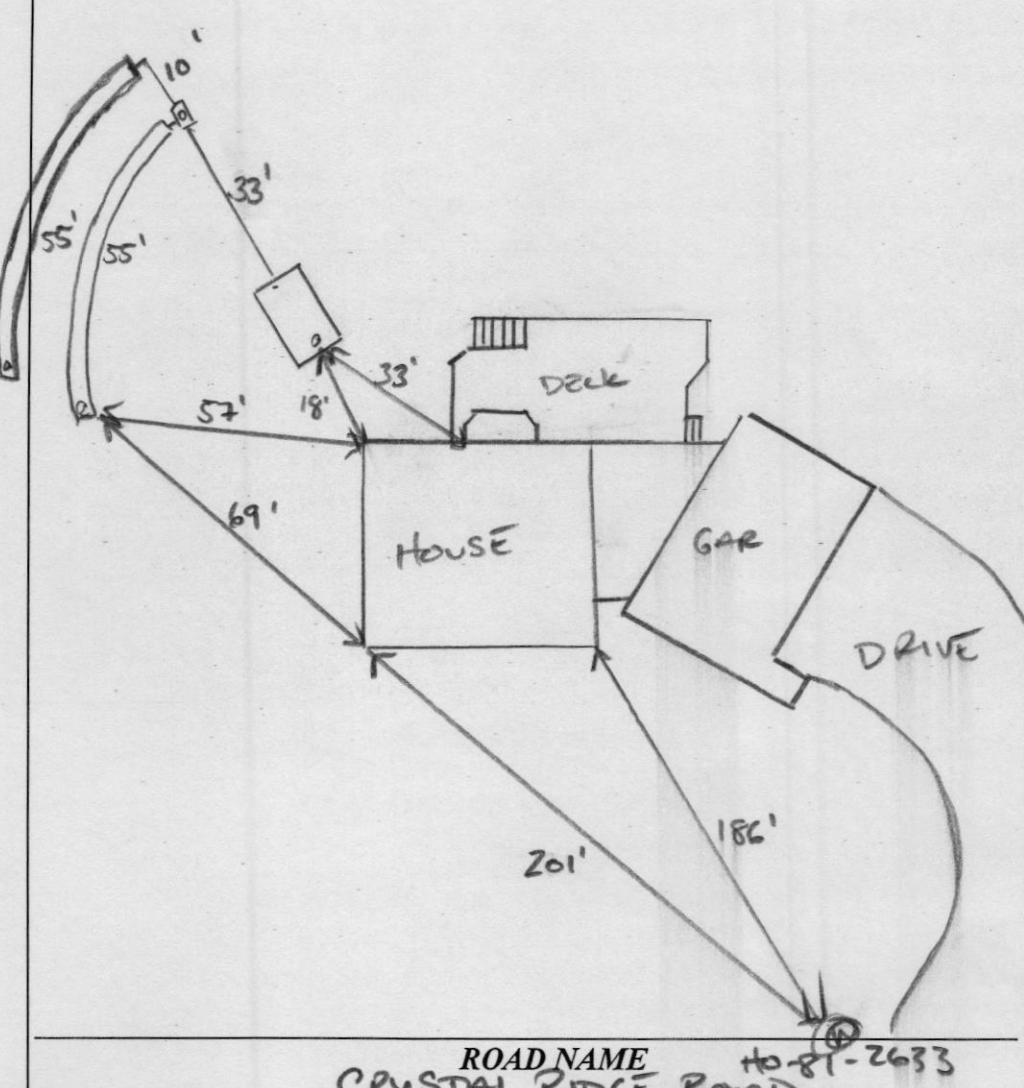
6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

EXISTING



ROAD NAME HO-81-2633

CRYSTAL RIDGE ROAD

PRE-CONSTRUCTION:

01/24/2022 LAID OUT 2X55' TRS AS DESCRIBED, TRS TOWARD BROAD SWALE
OK DUE TO TREES. BROAD SWALE ON SPEC'D SIDE NOT AN ISSUE

INSTALLATION: 01/26/2022 INSTALLED EFF LINE FROM EX TANK TO NEW
D BOX. 2X55' TRS. EX TANK HAS NO CUT OUT FOR RISERS. HAS
CONC OUTLET BAFFLE 1/27/22 D-box leveled.

FINAL INSPECTOR

Susan Thomas

DATE OF APPROVAL

1/27/22

TAX# 03312429

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT 3rd

P 44231

A 42798

DATE 5/15/89

DATE SYSTEM APPROVED McRitkin

INSPECTOR 6/30/89

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

Bob Johnson Plumbing & Heating IS PERMITTED TO INSTALL ALTER

ADDRESS 2691 Pfefferkorn Road, West Friendship, MD 21794 PHONE 442-5817

SUBDIVISION Meadowood ROAD 1230 Crystal Ridge Ct LOT 26

PROPERTY OWNER James P. Bannon

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 160 feet down the right (605') lot line and 180 feet off that lot line. Run trenches on contour toward left lot line.

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

PLANS APPROVED BY C. Williams DATE 12/28/88

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

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(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES)

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

BOG. PERMIT SIGNED

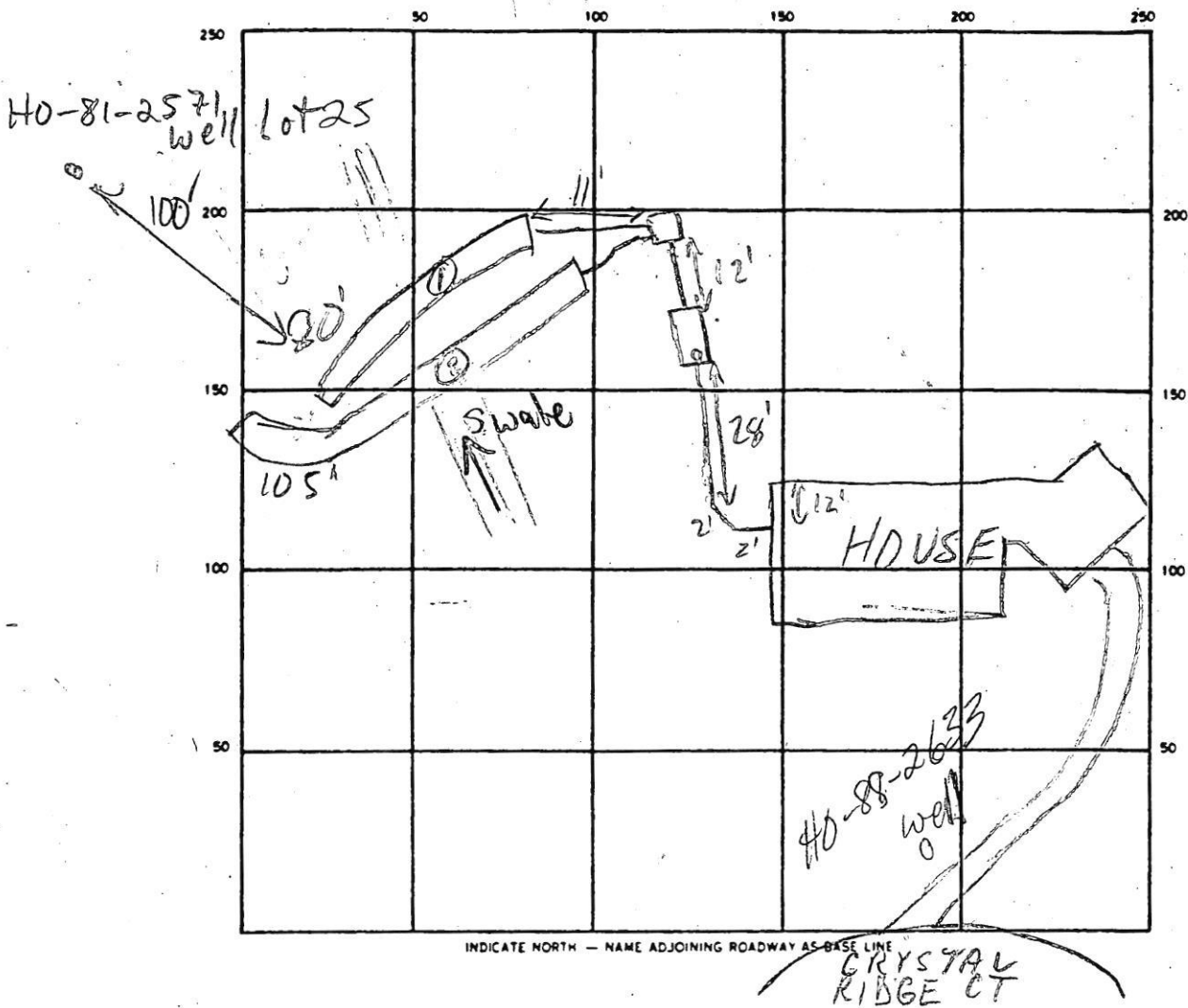
AND RETURNED 10/30/89
Serial # 30193-deck

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 42798

6/29/89 pm
6/30/89



SEPTIC TANK LEVEL 1500 GAL CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TILE FIELD DEPTH 6 1/2 - 7 1/2 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3-4 FT.

EFFECTIVE GRAVEL DEPTH 3-4 FT. TOTAL LENGTH 180 } 185 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 555-740 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS 6/29/89 FIRST TRENCH DUG & STONED ALREADY (FORCED CONTRACTOR TO DIG ALONGSIDE TRENCH TO VERIFY DEPTH);

TRENCH 2 IN PROCESS, 61/70' DUG; WILL DIG TO 100'

OLD CONTRACTOR TRENCHES SHOULD FIT CONTOURS, HE CLAIMED DIFFICULTY W/ LAYOUT. OK TO CONTINUE MR

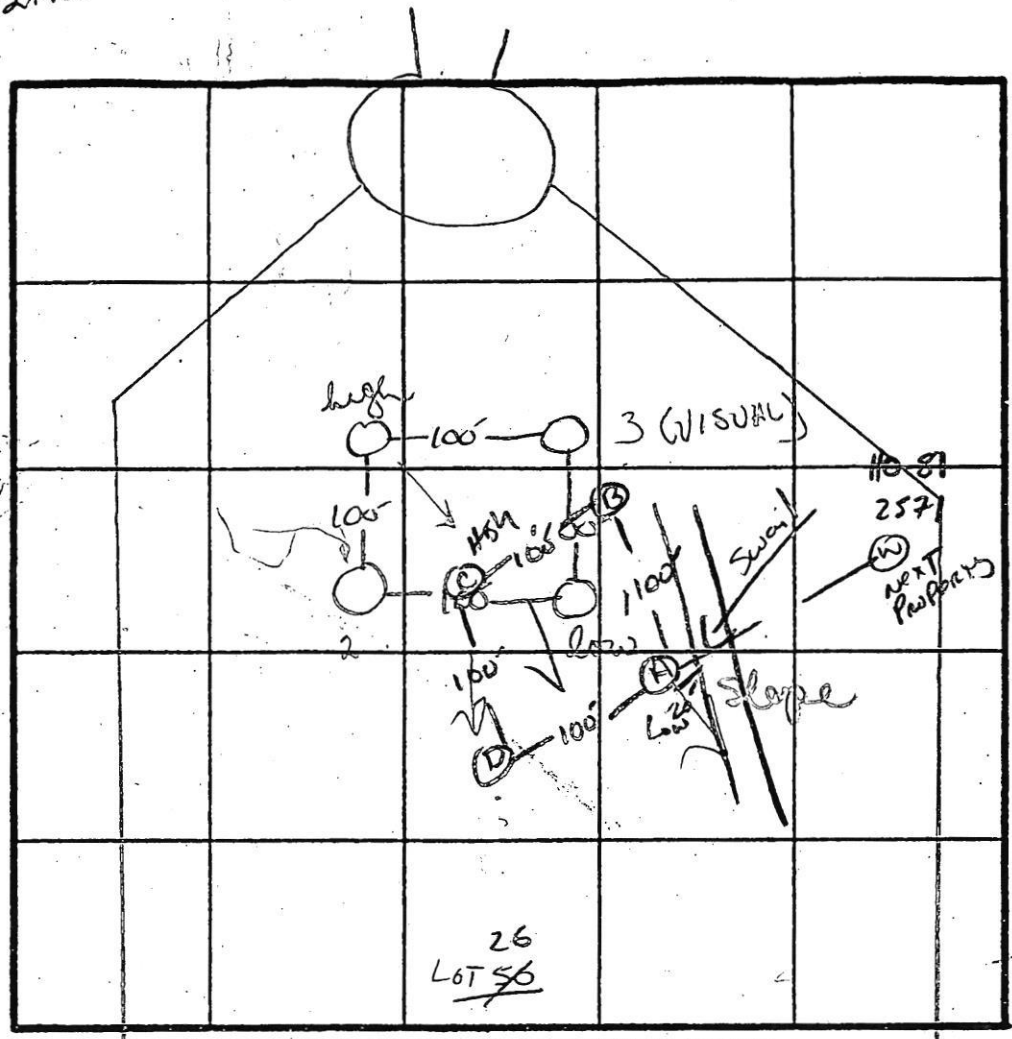
6/30/89 ALL WORK COMPLETE OK TO COVER

DATE SYSTEM APPROVED 6/30/89 INSPECTOR M. Ritkin

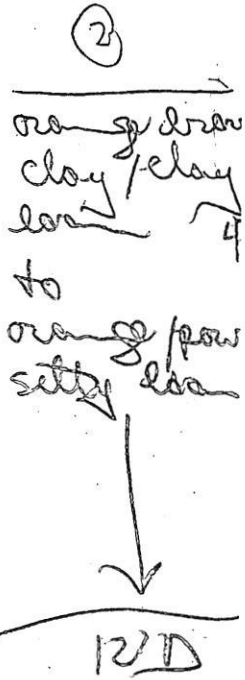
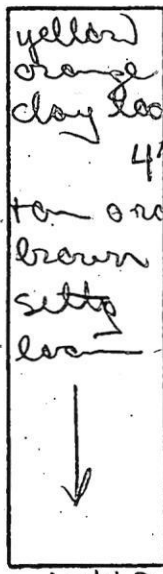
180° / BORM 2MIN

INLET 3'

MAX D. 7



① SOIL PROFILE



③ brown/yellow silty loam w/ small sap frags
layer of 4' 1/2 hard red rock frags back to silty loam mix
12' D

④ orange/yellow silty powdery loam
11/3/84 A-D 12' D EST PERC TYPES SHOULD BE SIMILAR TO ORIGINAL RECORDS CLAYEY TO 3' FRAGS 30-35% AT HOLE #D

⑤ A1-3
Brown/yell Silty loam (Clayey) 10-15% FRAG
Yell. Red Small frags of quartzite 20-25% Silty loam

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME	
			START	STOP	START	STOP		
12/12	①	3'+S	1101	1103	1103	1105	2 MIN	
		12' D	Bottom (see profile)					
	②	4' 1/2	1105	1107	1107	1109	2 MIN	
		12' D	Bottom (see profile)					
	③	VISUAL ONLY						
		12' D	Bottom (see profile)					
	④	3' S	1102	1109	1109	1111	2 MIN	
		8' M	1108	1109	1109	1110	1 MIN	
		12' D	Bottom (see profile)					
11/3/84	A-D	12' D	EST PERC TYPES SHOULD BE SIMILAR TO ORIGINAL RECORDS CLAYEY TO 3' FRAGS 30-35% AT HOLE #D					

REMARKS: dug and tested as staked w/ boundaries only
 TYPE OF SOIL: uniform soils uniform, some w/ rock frags (#3)
 TESTED BY: B. Wilson ALSO PRESENT: Jack, Rocky

EH-12-1079
uniform to

SCALE 1" = 50'

JIM BANNON
LOT 26 MEADOW WOOD

REVISED SEPTIC
AREA OK
COPY OF INFORMAL
DRAWING
NOT AN ENGINEERED
PLAT

12/28/88
88/82/21
Culler

