

12/6/89 AM

04-346777

PERMIT

P 45134

A 38380

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT 4th

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 10/31/89

DATE SYSTEM APPROVED 1/29/90

INSPECTOR MR. RITA

RON SMITH - CANAL CENTER SYSTEMS 876-6580

Fogle's Refuse & Septic Service, Inc.

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5670

SUBDIVISION Glenwood Springs ROAD 2840 Shadow Roll Court LOT 32

PROPERTY OWNER Bradley Senn PHONE: 262-2586

ADDRESS _____

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

GARBAGE GRINDER? YES ☐ NO ☒

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

PUMP SYSTEM - DUAL ALARM SYSTEM FOR 2 PUMPS AND 1000 GAL. PUMP PIT TANK REQUIRED.
TRENCHES - 190 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.
LOCATION - Beginning from the rear left corner, place the first trench 360 feet up the left (537.35') lot line and 10 feet off the same line. Run trenches on contour toward the rear of lot.

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

PLANS APPROVED BY Sid Abel DATE 6/07/89

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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

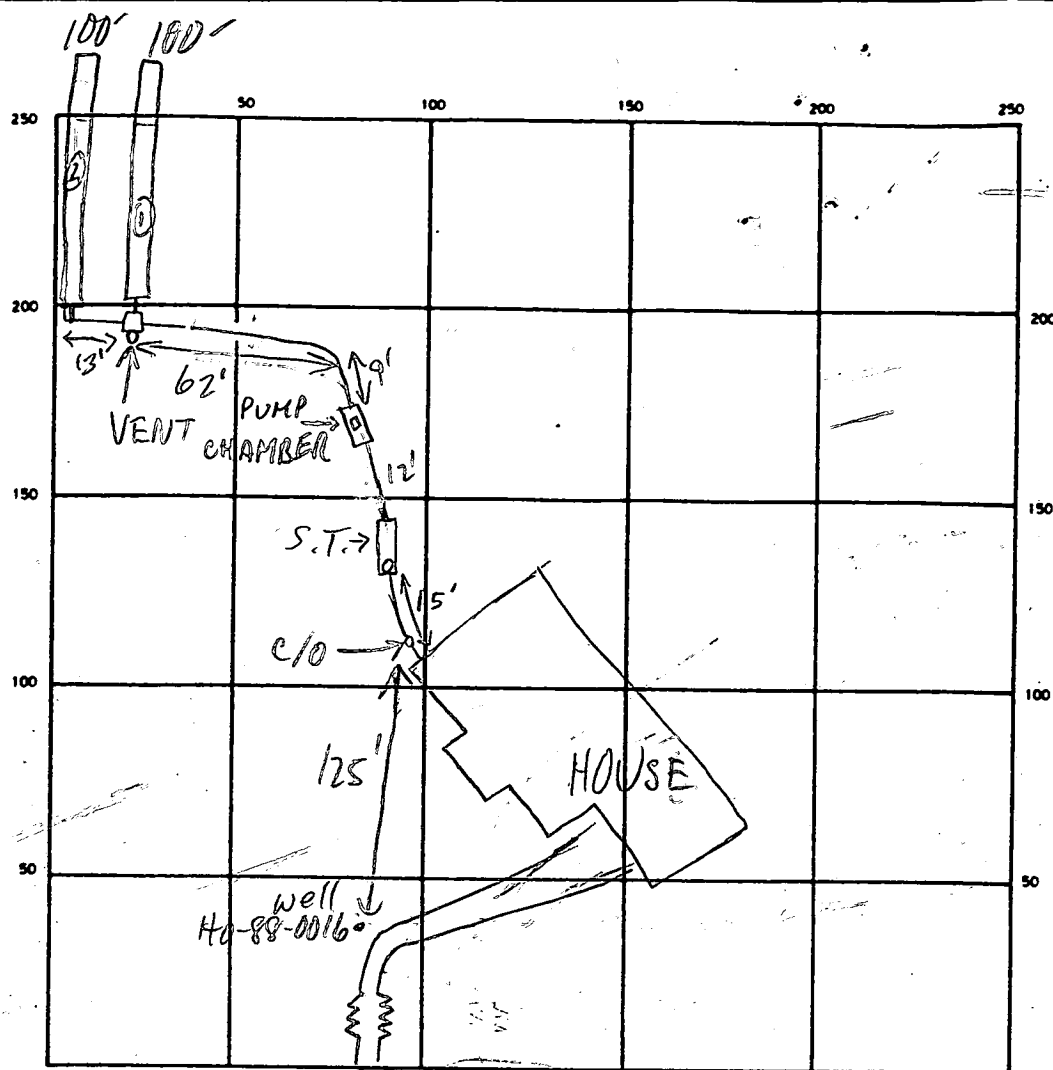
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A-38380



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
SHADOW ROLL CT

1000 GAL PUMP CHAMBER
1250 GAL TANK

SEPTIC TANK LEVEL OK - S.T. + INLINE CLEANOUTS OK - S.T. + INLINE

DISTRIBUTION BOX LEVEL OK - BAFLE & VENT IN

DRAIN FIELD/TILE FIELD. DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 200 FT.

NUMBER OF TRENCHES 2 ~~ONE SIDE WALL~~ BOTTOM AREA 600 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS 12/6/89 OK TO COVER ALL WORK - PUMP SYSTEM STILL
NEEDS TEST. MR 1/29/90 PUMPS OK, BUT
ONLY 2 FLOATS: 1 WHICH TURNS ON PUMPS IN
ALTERNATION, 1 WHICH TURNS ON ALARM MR

DATE SYSTEM APPROVED 1/29/90

INSPECTOR M. R. F. R.

APPLICATION

PERCOLATION TESTING

A 38380

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

P.O. BOX 476-ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE 10-14-86

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 Bradley Senn - 262-2586

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER Ronald Carter

ADDRESS 8388 Court Ave., Ellicott City, Md PHONE 21043 461-2855

PROPERTY LOCATION:

SUBDIVISION Hakes Property LOT NO. Thirty Two

ROAD AND DESCRIPTION Hobbs Road 2840 Shadow Roll Ct. Pulmon 4/29/87

TAX MAP 14 PARCEL # 87,83,202

SIZE OF LOT 3+ ACRES TYPE BLDG. SFD.
(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. Ronald S. Carter
(SIGNATURE OF APPLICANT)

APPROVED BY S. Abel FOR Shallow Trenches DATE 6-23-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

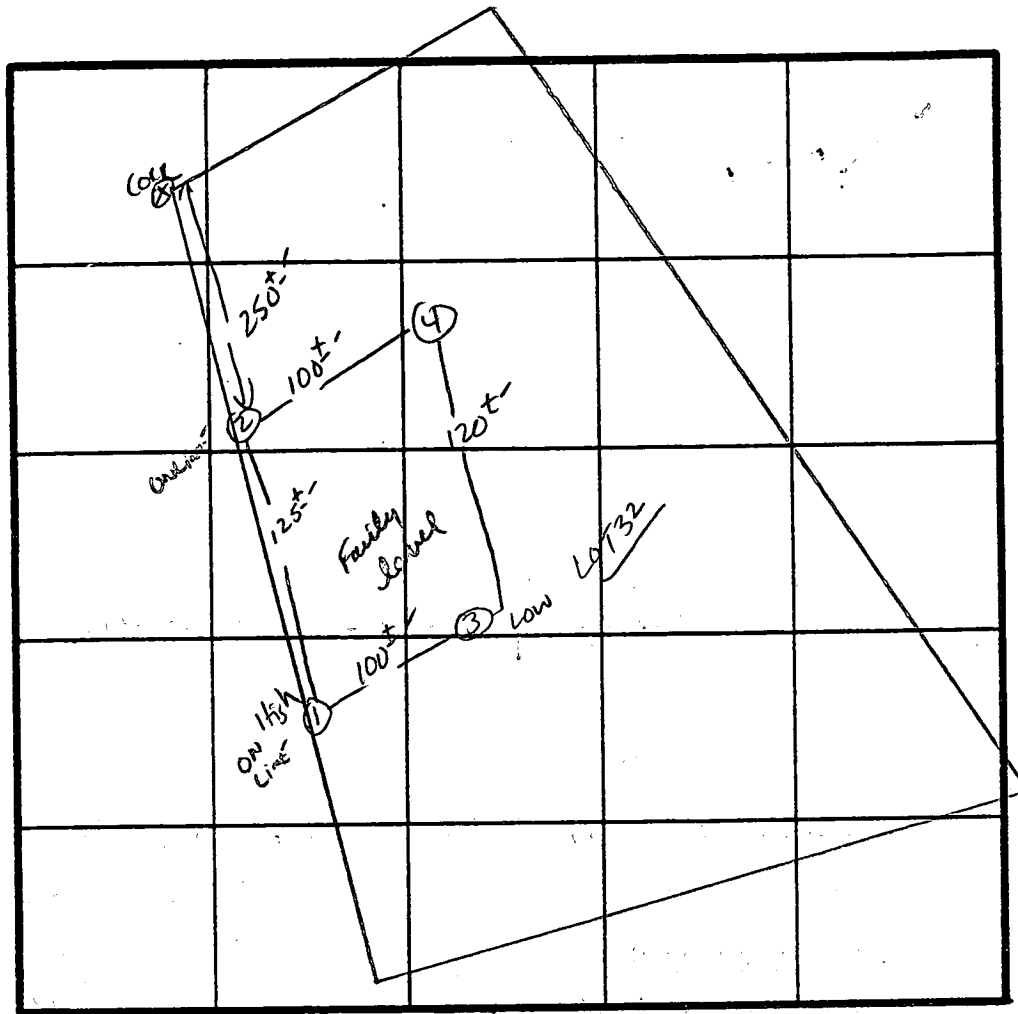
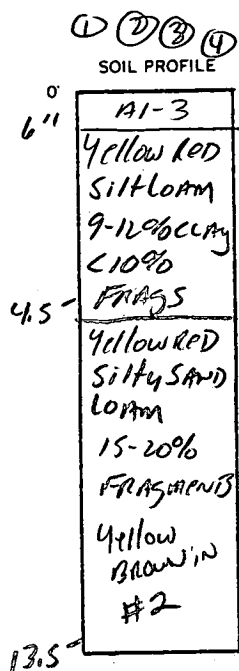
REASONS FOR REJECTION OR HOLDING 2/3/87 PERC SATISFACTORY - hold for subdivision PLAT. S. Abel

Pump System Required - 80

LOG PERMIT SIGNED
AND RETURNED 6-7-88

BP253681A

THIS IS NOT A PERMIT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

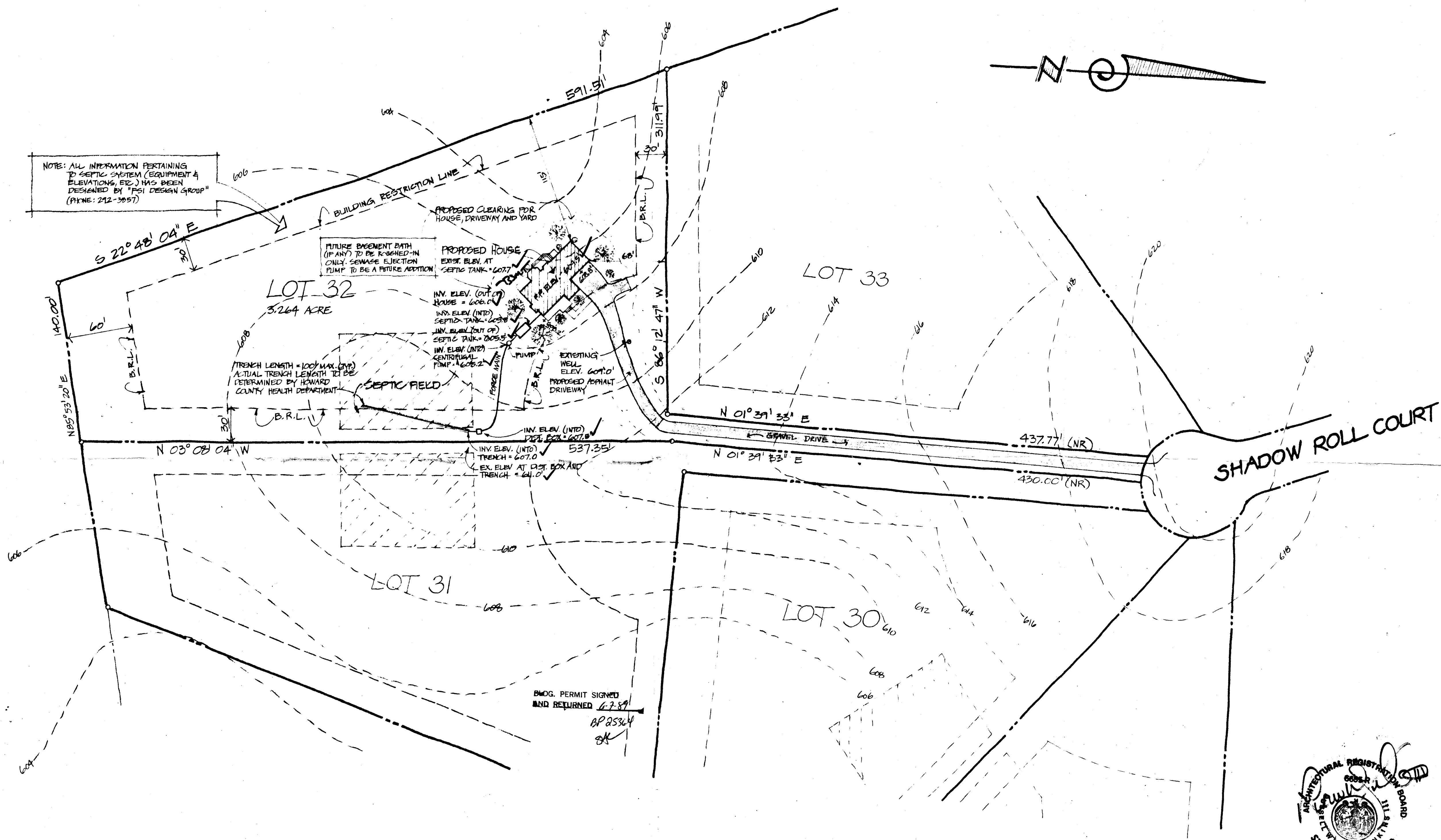
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/3/87	1 S	4.5'	11:01	11:05	11:05	11:15	10 min
	1 M	8'	10:58	11:00	11:00	11:05	5 min
	1 V	13.5' UNIFORM soil below 4.5'					
	2 V	12.5' UNIFORM soil below 4.5'					
	3 S	4.5'	11:17	11:25	11:25	11:42	17 min
	3 V	13' UNIFORM soil below 4'					
	4 S	4.5'	11:21	11:23	11:23	11:26	3 min
	4 V	13' UNIFORM soil below 4'					

REMARKS Holes NOT PER PLAT use shallow system due to rock frags

TYPE OF SOIL MANOR

TESTED BY S. Abel ALSO PRESENT Phil M. / C. C. SSI

NOTE: ALL INFORMATION PERTAINING TO SEPTIC SYSTEM (EQUIPMENT & ELEVATIONS, ETC.) HAS BEEN DESIGNED BY "FSI DESIGN GROUP" (PHONE: 242-3057)

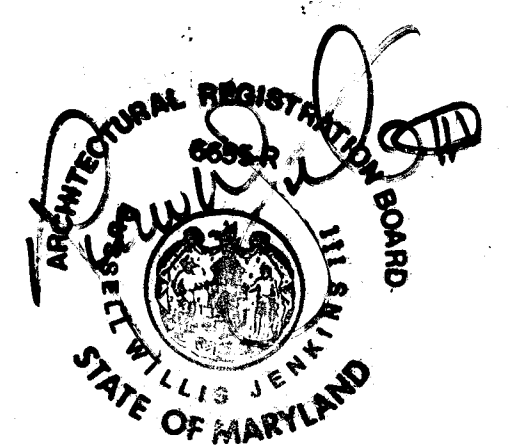


PLOT PLAN SCALE: 1" = 50'

NOTE:
ALL INFORMATION PERTAINING TO THE EXISTING LOT(S) SHOWN ON THIS DRAWING (SUCH AS PROPERTY LINE METES & BOUNDS, SEPTIC FIELD LOCATION, WELL LOCATION, TOPOGRAPHY, AREAS, BUILDING RESTRICTION LINES & SETBACKS, ETC.) HAVE BEEN OBTAINED FROM DOCUMENTS WHICH WERE PROVIDED BY THE PROPERTY OWNER. WE ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THESE ITEMS.

SITE DEVELOPMENT PLAN

LOT 32
GLENWOOD SPRINGS SUBDIVISION
HOWARD COUNTY, MARYLAND
RUSSELL W. JENKINS, III AIA. ARCHITECT
APRIL 7, 1989



B 1	5618	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0016 fill in this form completely
Date Received (APA) 042788 OWNER INFORMATION CARMAN ASSOCIATES RC BOX 122 ELLICOTT 14VMD21043 LOCATION OF WELL HOWARD GLENWOOD SPRINGS SECTION 32 GLENWOOD 3 M I				
DRILLER INFORMATION Troy L. Dwyne 238 Troy L. Dwyne Well Drilling 5512 Ridge Rd. Mt. Airy 21771 Troy L. Dwyne 4/26/88 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)				
APPROXIMATE DEPTH OF WELL 200 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REverse-ROTary Drive-POINT other _____ NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD A-38380 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 12-22-88 NORTH GRID S33000 EAST GRID C794000				
REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) _____ SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER WRITE THE BOX NUMBER FROM THE MAP HERE 7944 5303 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION				
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER _____ G A P _____ FORCE SA WRITE INITIALS IN BOX PERMIT No. 40-88-0016 SPECIAL CONDITIONS				

C1

9674

SEQUENCE NO.
(DENV USE ONLY)

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 A-38380

DATE Received
[] [] [] [] [] []
8 13

DATE WELL COMPLETED
07 04 88
15 20

Depth of Well
22 305 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HC-88-0016
28 29 30 31 32 33 34 35 36 37

OWNER CARMEN ASSOCIATES
last name first name
STREET OR RFD SHADEW HILL CR. TOWN GLENWOOD
SUBDIVISION Glenwood Springs SECTION LOT 32

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
FROM TO

Check if water bearing

SAND 0 60
GRAY MICA ROCK 60 305

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 846
GALLONS OF WATER 54
DEPTH OF GROUT SEAL (to nearest foot)
from 48 52 ft. to 54 58 ft.
(enter 0 if from surface)

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)
ST 6 67

C 3
PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min. to nearest gal.) 7
METHOD USED TO MEASURE PUMPING RATE Hookit
WATER LEVEL (distance from land surface)
BEFORE PUMPING 51
WHEN PUMPING 116 113
TYPE OF PUMP USED (for test)
A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

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 BRONZE PLASTIC OTHER

C 2
DEPTH (nearest ft.)
1 110 2 65 3 305
EACH SCREEN
1 8 9 11 15 17 21
2 23 24 26 30 32 36
3 38 39 41 45 47 51
SLOT SIZE 1 2 3
DIAMETER OF SCREEN 56 60 (NEAREST INCH)

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: 29
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (nearest ft.) 43 47
CASING HEIGHT (circle appropriate box and enter casing height)
+ above } LAND SURFACE 2 (nearest foot)
- below }

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 10.17.13 "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. 738
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.S.) WQ
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

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)
N
[Diagram showing well location on a lot with distances to structures]

COUNTY

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0016
Location of property (road) SHADOW ROLL CT.
Subdivision Glenwood Springs Lot 32 Block Plat Sec.
Well Driller J. MAYER Owner CARMEN ASSOC.

Depth of well 30.5'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 51'

I. High rate pumping -- reservoir drawdown

Time pump started 11:20 Pumping rate 20 gpm.
Total time 30 MIN to reach pumping water level 118 ft. ⁽¹⁾ below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement _____

Receipt # 45385
Date 12/20/89

Name of Installer CANNON WATER SYSTEMS INC.

Telephone 876-6880

License Number 074

Certified Well Pump Installer X Well Driller _____ Registered Plumber _____

Name of Property Owner BRAD SENN Telephone _____

Subdivision GLENWOOD SPRINGS Lot # 22 Well Tag # _____

Site Address _____

Pump

1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible X
2. Make Goulds
3. Model # 5F505
4. Capacity 8 GPM
5. Pump exceeds well capacity Yes _____ No X
6. If Yes, is low pressure cutoff switch installed? Yes _____ No X
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors X Cable guards _____ Other _____

Motor

1. Horsepower 1/2
2. RPM 3450
3. Voltage _____
 - a. 110 _____
 - b. 220 X

Pitless Adapter

1. Make Martinson
2. Model # B10K
3. Depth 4'

Tank

1. Capacity 120
2. Pressure relief valve? Yes

Piping

1. Type Plastic
2. Size 1"
3. NSF and/or BOCA Code approved Yes
4. Depth of supply line 280'

Well data

1. Depth 300 ft.
2. Yield _____ GPM
3. Static water level _____ ft.
4. Will water supply be disinfected by installer? No

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: _____

Date: 12/20/89

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.