

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 5/1998

A 50463-B

DISTRICT _____

DATE 9-3-99

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

#360494

DATE SYSTEM APPROVED 9/5/99

INSPECTOR R. Pinkley

INDEXED

Walter King Plumbing & Heating IS PERMITTED TO INSTALL ALTER _____

ADDRESS 5305 King's Court, Frederick, Maryland 21703 PHONE 301-662-6990

SUBDIVISION Riggs Meadow LOT 31 ROAD 1905 Sycamore Spring Court

PROPERTY OWNER Ryan Homes

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240 ✓

9/14/99 spoke to Bruce @ Walter King P & H @ site - he explained that site conditions don't exactly match BP contours - I approved changes in system depth based on his account and perc test notes (30)

TRENCHES - Trench to be 3 feet wide. Inlet (5.0) feet below original grade. Bottom maximum depth (3.0) feet below original grade. Effective area begins at 3.0 feet below original grade. (152.0) feet of stone below distribution pipe.

LOCATION - Place the distribution box 180 feet from the front (152.05') lot line and 25 feet off the left (382.66') lot line as viewed from Sycamore Spring Court. Install on contour toward the right lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 9/7/99 SRM

PLANS APPROVED BY Ronald J. Pinkley DATE 8/30/1999

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 A2S

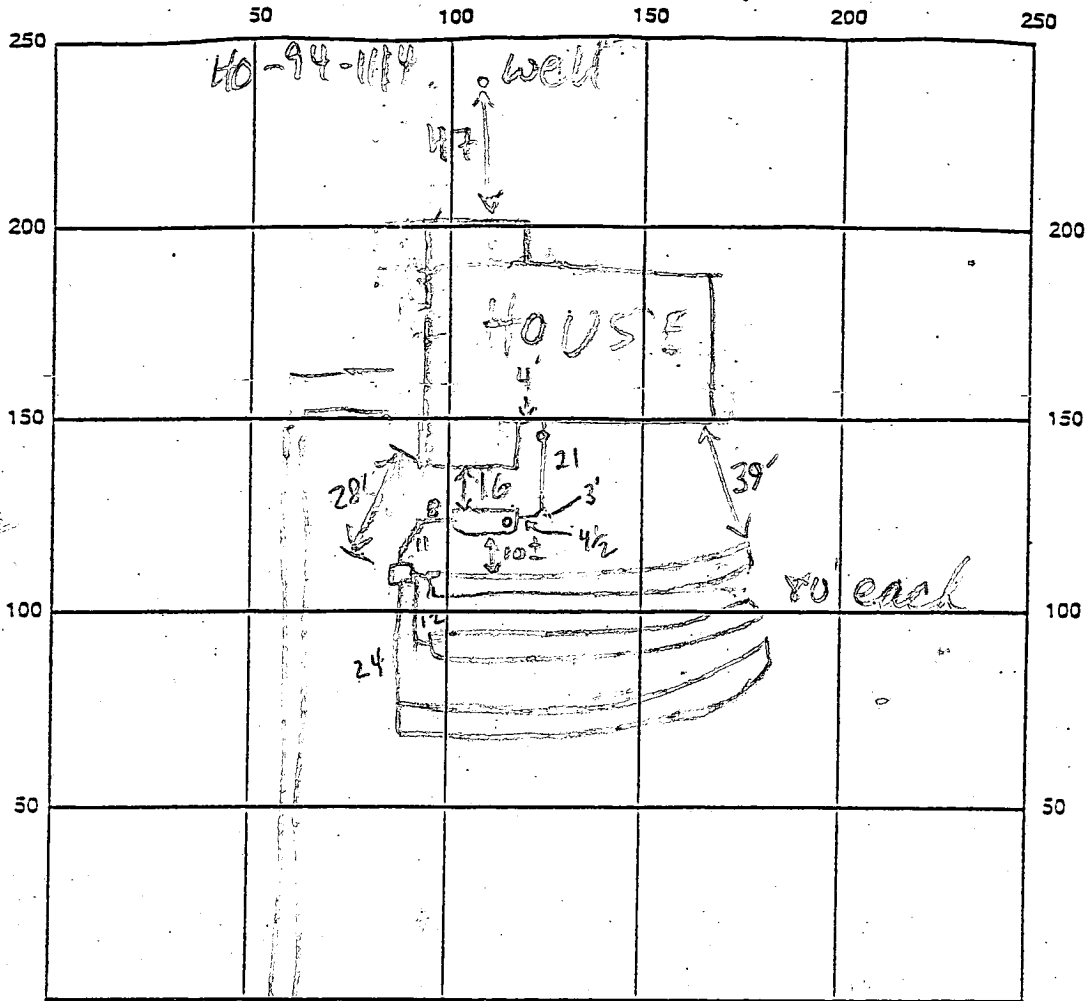
PERMIT VOID AFTER TWO YEARS

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

A50463-B



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 GAL CLEANOUTS OK - INLINE 8" x 4" MH
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN
 DRAIN FIELD/TITLE DEPTH 6.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.
 EFFECTIVE GRAVEL DEPTH 1.5 FT. TOTAL LENGTH 240 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 ABSORBENT AREA — SQ. FT.

REMARKS: 9/15/99 OK TO COVER ALL (MR)

DATE SYSTEM APPROVED 9/15/99 INSPECTOR M. Ripkin

APPLICATION

50463B

A 50368
P _____

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
PO BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

DISTRICT 4th
DATE 9/30/94

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 Amelia Riggs c/o SDC Group, Inc. RYAN HOMES
8480 Baltimore - National P.ike
ADDRESS PO BOX 417, Ellicott City, MD 21041 PHONE (410) 465-6125

PROSPECTIVE BUYER _____
ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION Riggs Property LOT NO. Grd. 1 31
ROAD AND DESCRIPTION Located @ SW Corner of the intersection of
Roxbury Mill (Rte. 97) & Frederick Rd (Rte 144)
TAX MAP 8814 PARCEL # 96 (1905 SYCAMORE SPRING COURT)
SIZE OF LOT 55000 ± S.F. TYPE BLDG Single Family Dwelling
(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. James R. Morley, III V.Pres
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____
REJECTED BY _____ FOR _____ DATE _____
HOLD PENDING FURTHER TESTS _____ DATE _____
REASONS FOR REJECTION OR HOLDING _____

COPIES PERMITS SIGNED
DATE RETURNED 8-24-94
MAIL # BM119713
SFD-4BOM

THIS IS NOT A PERMIT

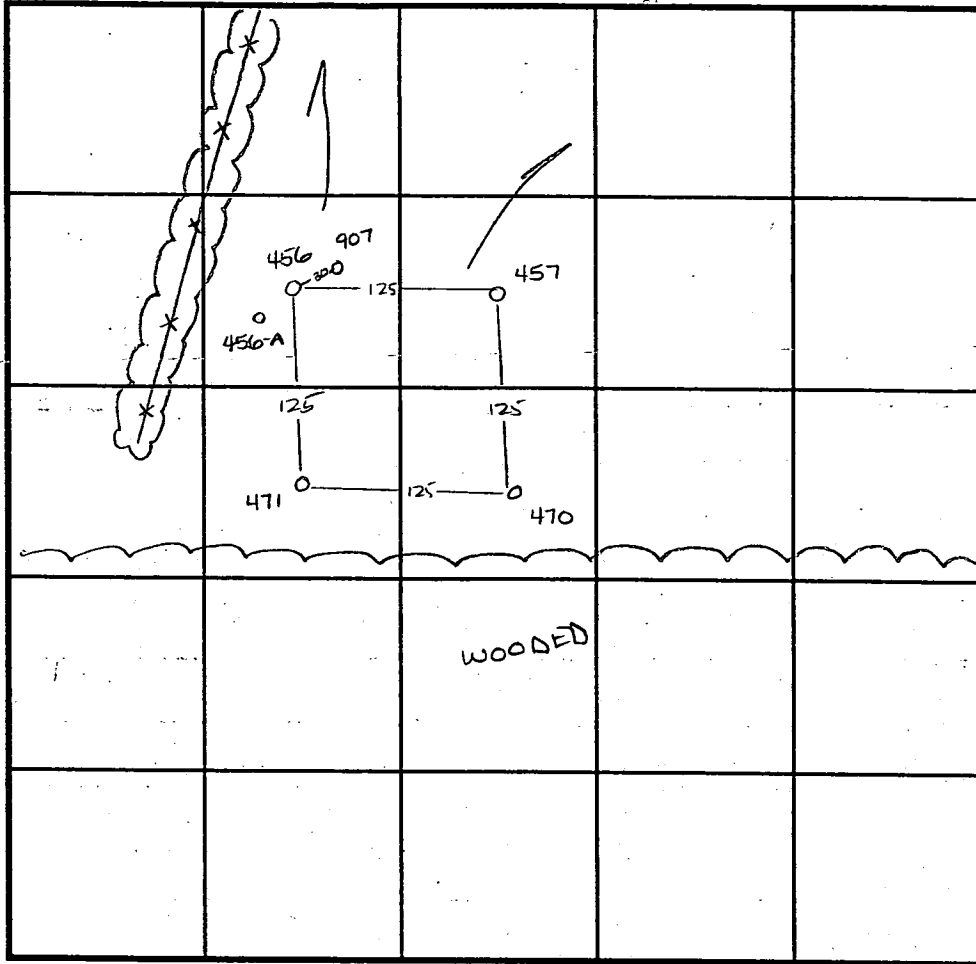
COUNTY #

SOIL PROFILE
471-457

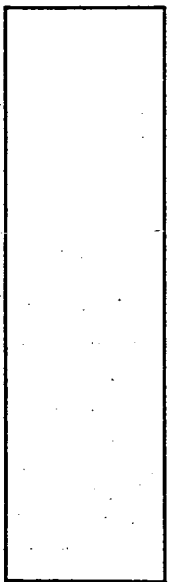
0'
orange
brown
clay

5'
mottling
below
clay
layer

5.5'
pink
silt
very
friable
and
dry



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

470-457

3'
brn
clay

reddish
orange
silt

5'
tan
orange
silt
very
dry

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-3-94	471	4.5 v12.0	8:58	9:02	9:02	9:08 ³⁰	1 1/2 min
	470	4.5 v11.0	9:11	9:12 ³⁰	9:12 ³⁰	9:15	2 1/2 min
	457	Visual	to 11.5 -		see profile -		OK
	456	>50% rock	-		-		F
4-25-95	907	Refusal at 5'	-		-		F
11-30-95	456-A	Visual to 12.0	-		see profile -		OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY Amy McMillen ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

11.5'

12'

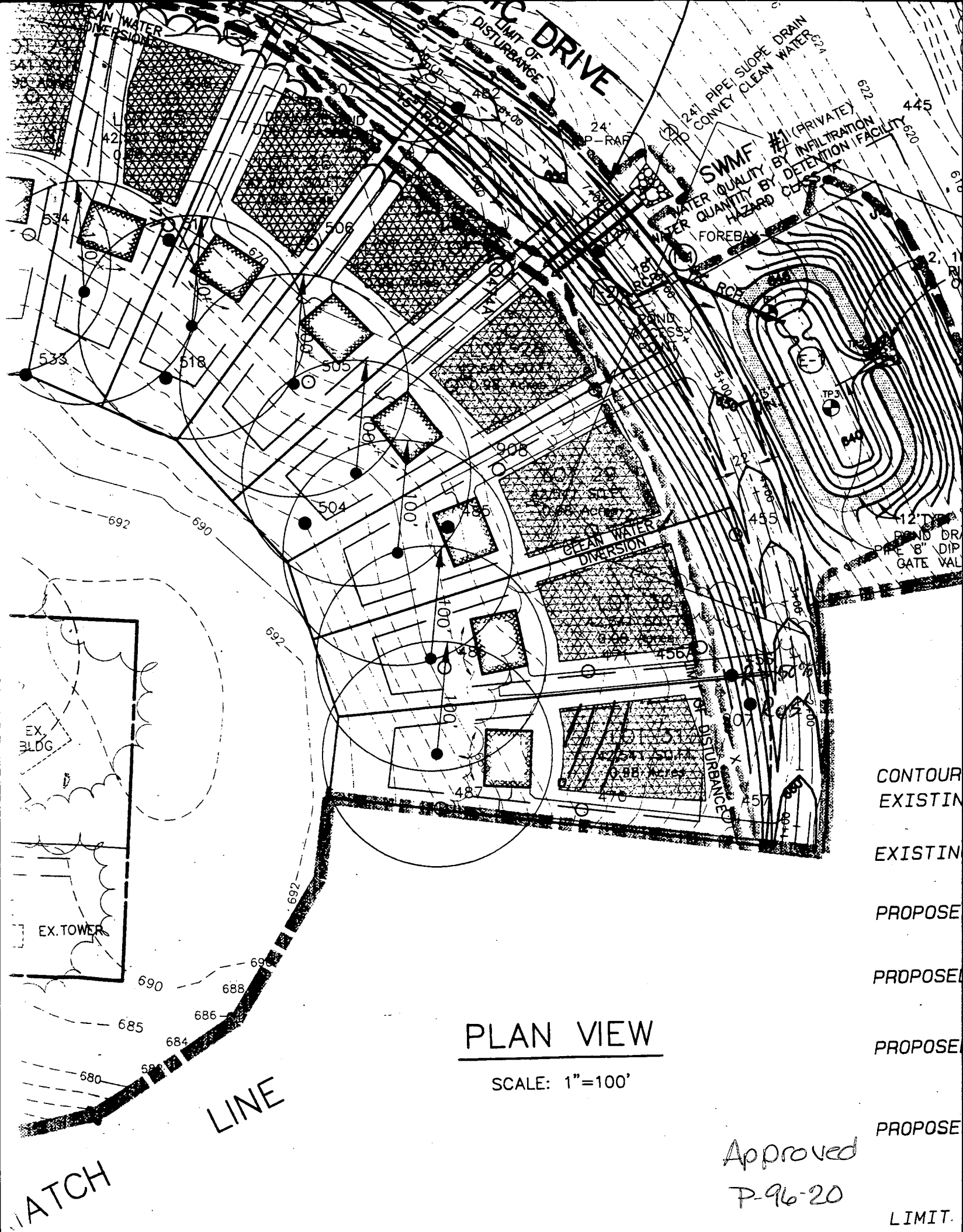
4.0'

12.0'

456-A

dark
red
silt

pink
matrix
color
30%
small
frags



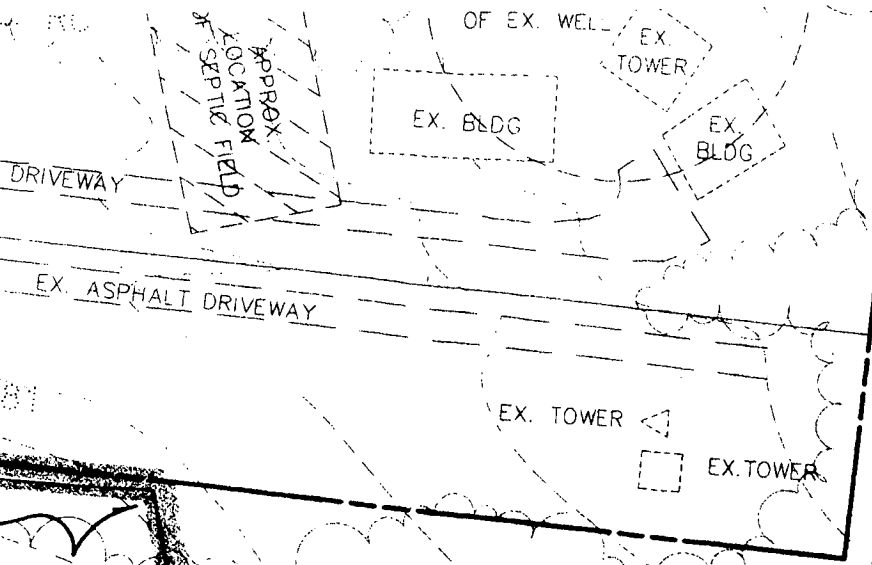
PLAN VIEW

SCALE: 1"=100'

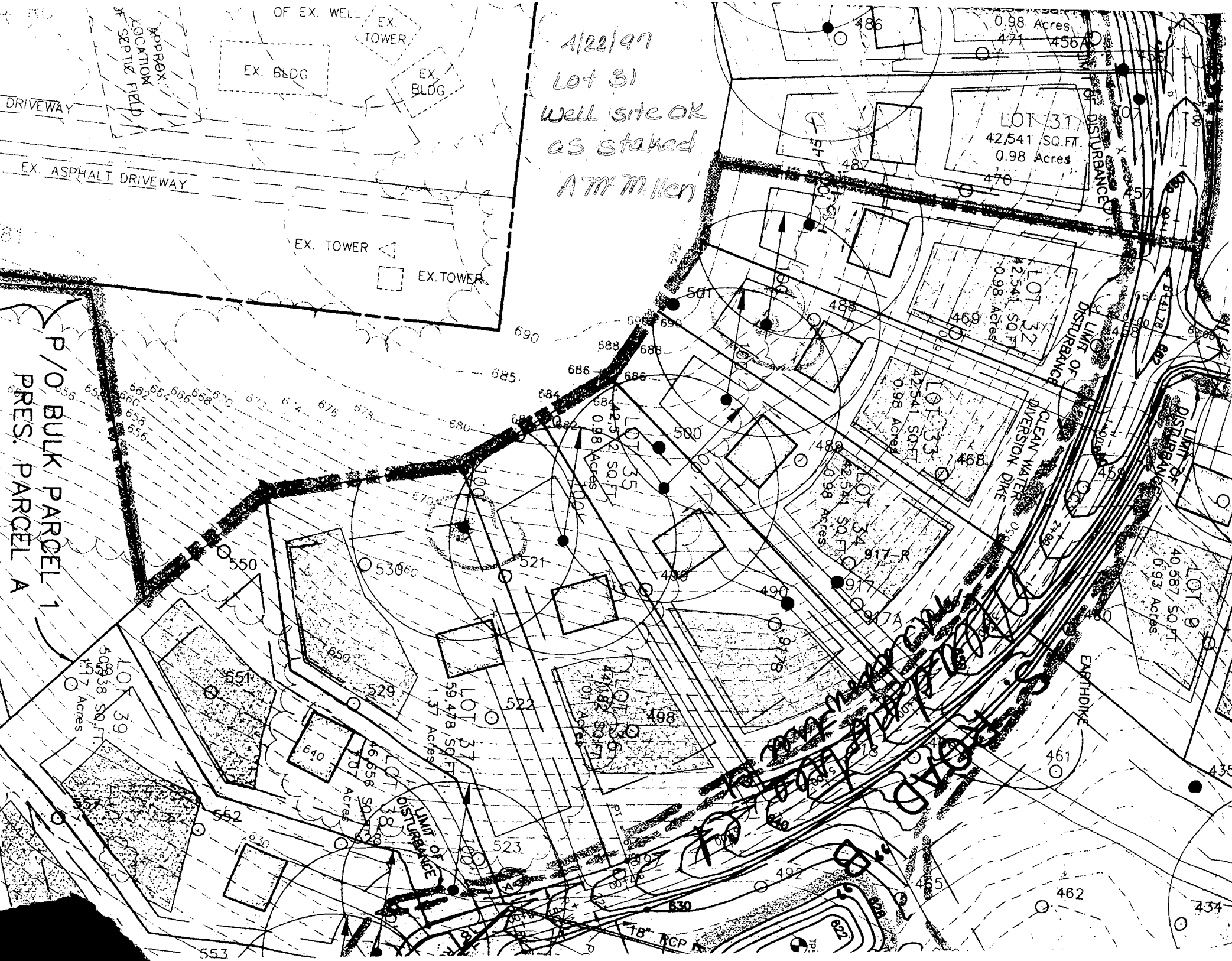
Approved
P-96-20

CONTOUR
EXISTIN
EXISTIN
PROPOSE
PROPOSE
PROPOSE
PROPOSE
LIMIT.

4/22/97
Lot 31
Well site OK
as staked
A M Miller



P/O BULK PARCEL 1
PRES. PARCEL A



[Handwritten signature]

Approved Septic System Plan

Howard County Health Department

Donald P. Kelly

Signature

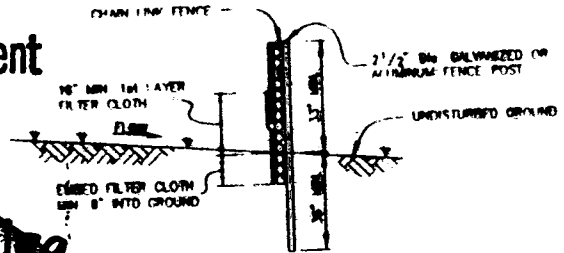
8/24/79

Date

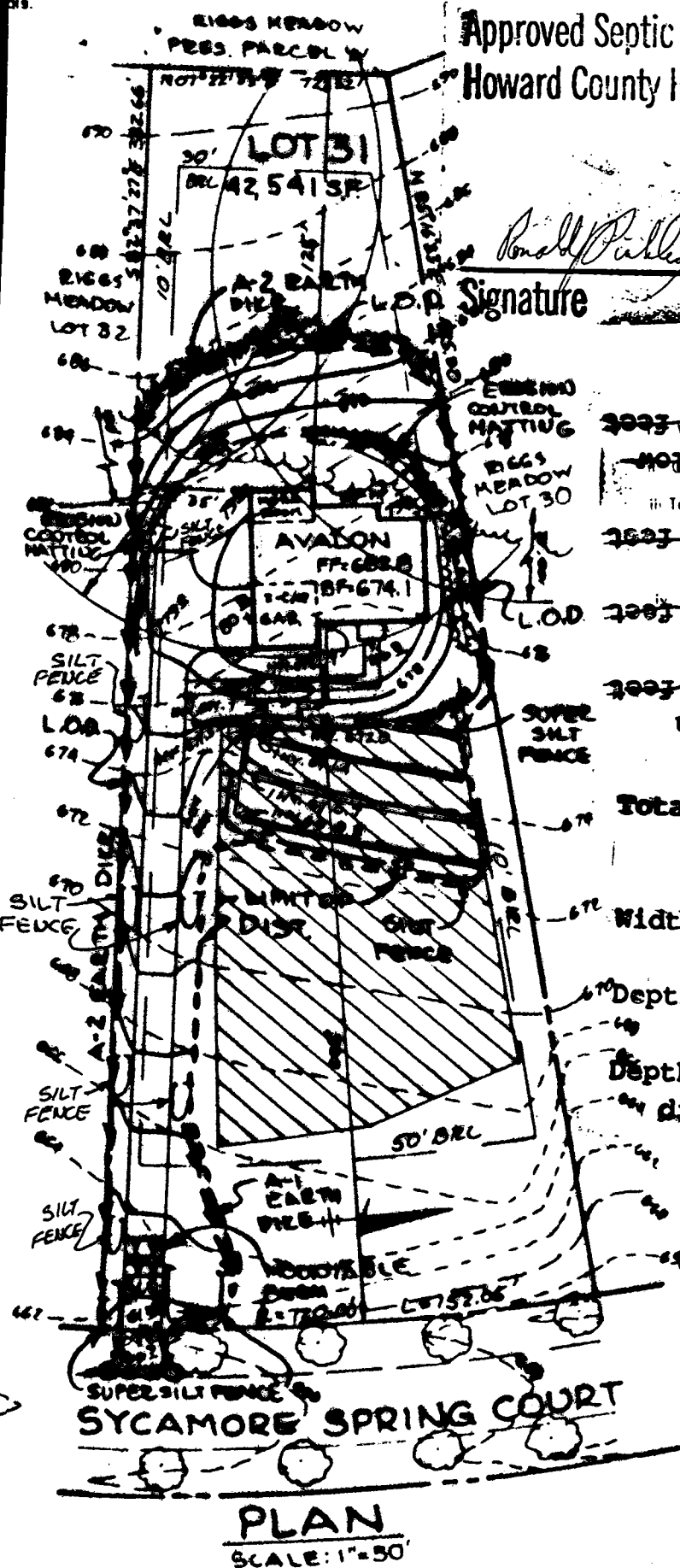
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

PAGE
H - 28 - 3

MARYLAND DEPARTMENT OF
WATER MANAGEMENT ADMINISTRATION



SECTION

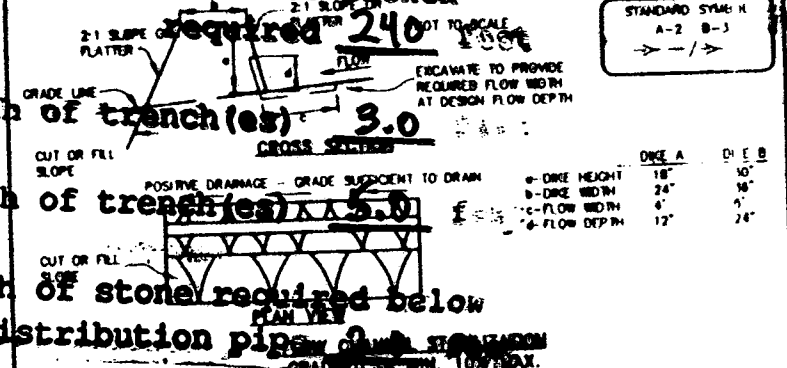


PLAN
SCALE: 1"=50'

Topsail Application
 When topsailing, the following sediment control practices such as Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps shall be installed and maintained in accordance with the standards previously established.
 i. Topsail shall be placed in a 4" - 8" layer and lightly compacted to a thickness of 4". Grading shall be performed in such a manner that sods proceed with a minimum of additional preparation andillage. Any irregularities resulting from topsailing or other operations shall be corrected in order to avoid depressions or water pockets.
 ii. Topsail shall not be placed while the topsail or subsoil is in a frozen or muddy condition. The subsoil shall be prepared in a manner that may otherwise be detrimental to the seedbed preparation. G-21-2

~~Total linear feet of trench required~~

DETAIL 1 - EARTH DIKE



Width of trench(es) **3.0**
 Depth of trench(es) **5.0**

Depth of stone required below distribution pipes **1.0**

- Seed and cover with straw mulch.
- Seed and cover with Erosion Control Matting or line with sod.
- 4" - 7" stone or recycled concrete equivalent placed into the soil 7" minimum

CONSTRUCTION SPECIFICATIONS

- All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
- Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area of a non-erosive velocity.
- All trees, brush, stumps, obstructions, and other objectional material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.
- The dike shall be constructed or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
- Fill shall be compacted by earth moving equipment.
- All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.
- Inspection and maintenance must be provided periodically and after each rain event.

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

PAGE
A - 1 - 6

MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

SILT FENCE

DETAIL 22 - SILT FENCE

SILT FENCE DESIGN CRITERIA

1/2" MINIMUM CENTER TO CENTER
 30" MINIMUM LENGTH FENCE POST,
 DRIVEN 4" MINIMUM OF 16" INTO GROUND

C1 1302

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 05/29/97

Depth of Well 285 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-1114

OWNER SOC last name Scenic Dr. first name TOWN Cooksville SUBDIVISION Riggs Property SECTION LOT 31

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes handwritten entries: Brown shale (0-37), Gray Mica Rock (37-285).

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 11, NO. OF POUNDS 1034, GALLONS OF WATER 66, DEPTH OF GROUT SEAL 0-37 ft.

CASING RECORD: casing types insert appropriate code below. Includes checkboxes for STEEL, CONCRETE, PLASTIC, OTHER. MAIN CASING TYPE ST, Nominal diameter 6, Total depth 40.

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

SCREEN RECORD: screen type or open hole insert appropriate code below. Includes checkboxes for STEEL, BRASS, OPEN HOLE, PLASTIC, OTHER.

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED. WELL HYDROFRACTURED (Y)

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...

DRILLERS IDENT. NO. 024; DRILLERS SIGNATURE Joseph P. Mayne

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

SCREEN RECORD table with columns: DEPTH (nearest ft.), E A C H S C R E E N, SLOT SIZE, DIAMETER OF SCREEN.

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

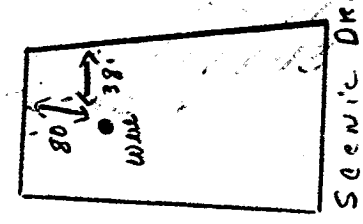
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER); T (E.R.O.S.), W Q (74, 75, 76)

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 5.5, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 54, WHEN PUMPING 230, TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (+ above, - below), LAND SURFACE 1 (nearest foot).

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	7467	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO-94-11114 <small>70 fill in this form completely 78</small>
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OWNER INFORMATION

Date Received (APA) **033197**

SOC

15 Last Name **SOC** Owner First Name

36 Street or RFD **PO BOX 417** 55

57 Town **EAHICOTH CITY MD** 70 State 72 **21047** Zip 76

B 3 LOCATION OF WELL

1 **HOWARD** 21

8 COUNTY **RIGGS PROPERTY** 42

23 SUBDIVISION

SECTION **31** LOT

52 NEAREST TOWN **COOKSVILLE** 71

MILES FROM TOWN (enter 0 if in town) **1** M I

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD

Driller's Name **Joseph P. Mayne** License No. **024**

Firm Name **Joseph P. Mayne Well Drilling**

Address **5512 Ridge Rd. Mt. Airy 21771**

Signature **Joseph P. Mayne** Date **3/31/97**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD **Scenic Dr.**

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD **210** ENTER FT OR MI **FT**

TAX MAP: _____ BLK: _____ PARCEL _____

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

Howard COUNTY NAME COUNTY NO. **13**

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED **042297** CO SIGNATURE **Amy McMillan** EXP. DATE **04/21/98**

NORTH GRID **540000** EAST GRID **0792000**

APPROXIMATE DEPTH OF WELL **260** 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 _____

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 - CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

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 (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER _____

FORCE **AM** WRITE INITIALS IN BOX PERMIT No. **HO-94-11114**

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

