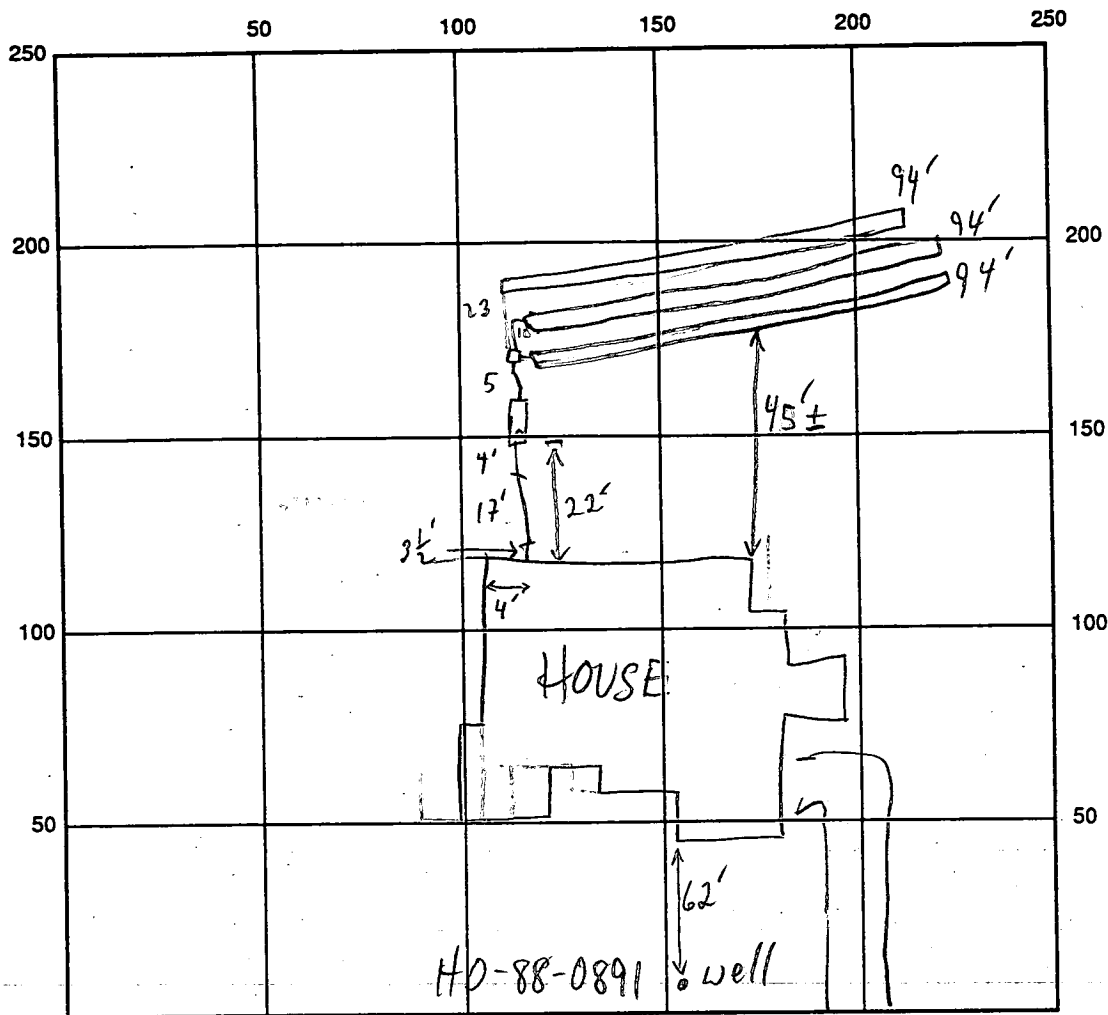


*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

WILD ROSE CT

SEPTIC TANK LEVEL 1250 GAL-OK

CLEANOUTS S.T. - OK

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 6 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT.

TOTAL LENGTH 3 @ 94 FT.

NUMBER OF TRENCHES 3

ONE SIDEWALL/BOTTOM AREA 3 @ 282 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 846 SQ. FT.

REMARKS: 1/7/94 NOT INSPECTED - WEATHER A PROBLEM, CONTRACTOR ADVISED TO

SUBMIT "AS-BUILT" DIAGRAM, (CW) 1/27/94 DIAGRAM REC'D, NO HOUSE
CONN: OBTAIN MEASUREMENT FROM HOUSE TO 1ST TRENCH MR
4/5/94 OK TO COVER HOUSE CONN MR

PATLESS ADAPTOR + WELL LINE OK 4' B.G. MR. 4/5/94

DATE SYSTEM APPROVED 4/5/94 INSPECTOR M. R. P. K. in

APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

A 38148

P _____

DISTRICT _____

DATE 11/28/86

*WET SEASON
TEST ONLY
need re-evaluation - done
11/7/87
PARE OR ID
APPROVED
plot*

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 Springhill Associates - c/o D.S. Thaler & Associates, Inc.

ADDRESS 11 Warren Road, Baltimore, MD 21208 PHONE (301) 484-4100

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Meadowood LOT NO. 48

ROAD AND DESCRIPTION Henryton Road - approximately 4000' north of Tunnel Road

Howard County, Maryland

TAX MAP 10 PARCEL # 139

SIZE OF LOT 3⁺ Acres TYPE BLDG. Single Family
(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.

Mike Sedell
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes

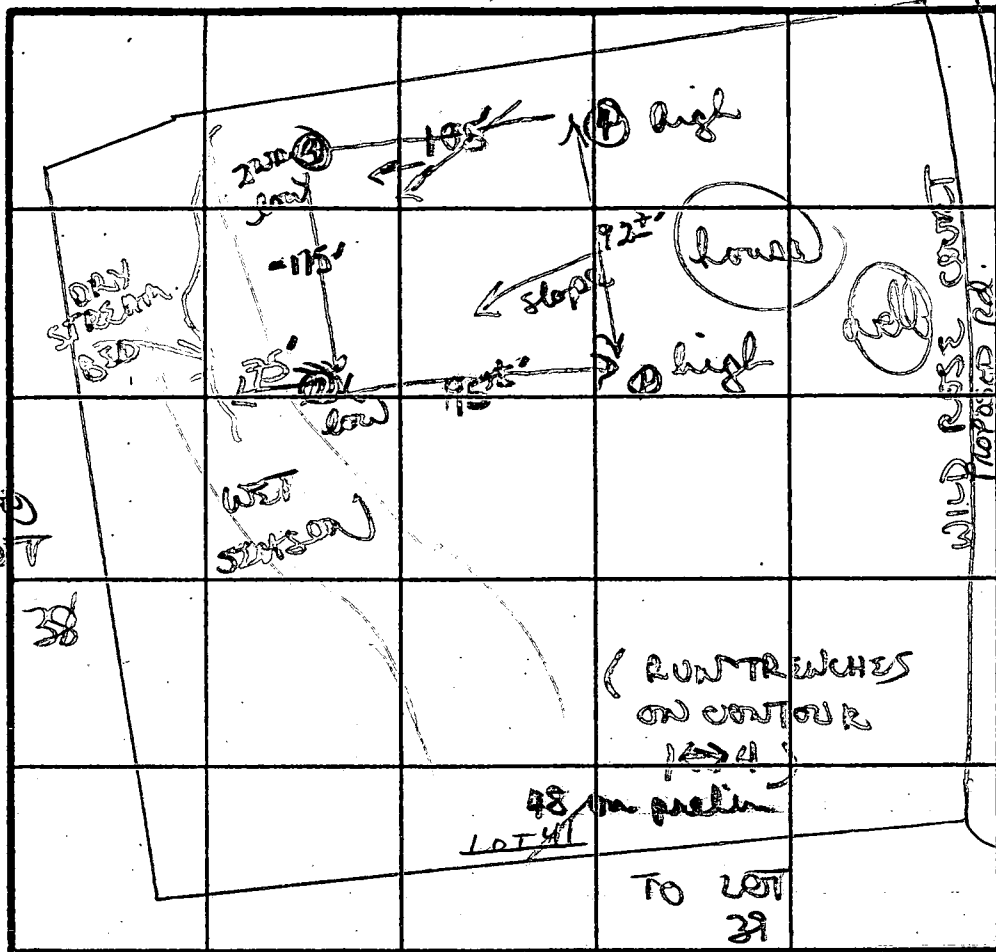
THIS IS NOT A PERMIT

100 g/born
INLET 4'
MAX D. 6'
X 10 min

SOIL PROFILE

orange red
clay 3'
clay to silt
loam
4 1/2
turning to
grey to
silty loam
w/ 5% silt
scattered
frags 8'
12 1/2'

LOT 4 1/2 49 on Prelim



similar
soils to #3
w/ heavy
orange clay
1st 8'
3'

5-10'

12'D

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ TO HENRYTON Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/7/87	①	5'	141	146	146	152	11 MIN
		12 1/2'D	bottom (see profile)				
	②	3'	146	152	152	205	13 MIN
		11 1/2'D	bottom (see profile)				
	③	4 1/2'S	200	202	202	207	5 MIN
		11'D	bottom (see profile)				
	④	4'S	207	216	216	232	17 MIN
		7'M	209	211	211	214	3 MIN
		12'D	bottom (see profile)				

NO SIGN
WET
SEASON
SATUR

REMARKS

shaded pore field up hill some to get away from
wet season soils

TYPE OF SOIL

orange/red clays; orange to grey silt loams

TESTED BY

B. N. N. N.

ALSO PRESENT

Rocky, red

orange to
clay silt
mix 3'
to tan
orange silty
loam
w/ 5% silt
scattered
frags 7'

orange/yellow
clay 4'
orange/yellow
clay silt
loam
w/ 5-10% red
weathered
frags 7'

B 1 9162	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0891 fill in this form completely
Date Received (APA) 06/13/89		B 3 LOCATION OF WELL 40.00	
OWNER INFORMATION SPRING HILL ASSOC 1423 RT 322 FRIENDSHIP MD 21794		HOWARD MEADOWOOD SECTION 2 LOT 48 SYKESVILLE MILES FROM TOWN (enter 0 if in town) 4 MI	
DRILLER INFORMATION Driller's Name George F. Easterday L. Franklin Easterday, Inc. Firm Name 9265 Brown Church Rd., Mt Airy, Md. 21771 Address Signature: <i>George F. Easterday</i> Date: 6/7/89		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		NEAR WHAT ROAD WILD ROSE CT ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD 20 FT	
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: <i>Howard</i> COUNTY NO.: <i>A-38148</i> STATE SIGNATURE: <i>Seamus Abul</i> DATE ISSUED: <i>7/16/90</i> NORTH GRID: <i>547000</i> EAST GRID: <i>6819000</i> EXP. DATE: <i>MR 12/5/89</i>	
APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3.	
METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY Drive-POINT other		WRITE THE BOX NUMBER FROM THE MAP HERE E 82019 N 5407	
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 DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)		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 <i>GAP</i> FORCE <i>EA</i> WRITE INITIALS IN BOX PERMIT No. <i>40-88-0891</i> SPECIAL CONDITIONS		HEALTH DEPARTMENT APPROVAL SIGNATURE: <i>Seamus Abul</i> DATE: <i>7/16/90</i> TOWN: <i>Howard</i>	

C1 1026 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 A 38148

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED

8 13

032990

Depth of Well
22 420 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-88-0871

OWNER Spencer A. H. Associates
STREET OR RFD last name Wald Rose Ct first name Sykeville TOWN Sykeville
SUBDIVISION Imperialwood SECTION 2 Phase 2 LOT 48

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	
Top Soil	0	3	
Brown Shale	3	8	
Brown Mica	8	47	
Sand stone	47	56	
Gray Mica	56	268	
Flint + Mica	268	272	
Gray Mica	272	420	

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES ☒ NO ☐

TYPE OF GROUTING MATERIAL

CEMENT ☒ BENTONITE CLAY ☐

NO. OF BAGS 15 NO. OF POUNDS 1500

GALLONS OF WATER 75

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 47 ft.
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below
STEEL ☒ CONCRETE ☐
PLASTIC ☐ OTHER ☐

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
ST 4 55

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

screen type or open hole insert appropriate code below
STEEL ☒ BRASS ☐ OPEN HOLE ☐
PLASTIC ☐ OTHER ☐

DEPTH (nearest ft.)
1 40 2 53 3 420
EACH SCREEN 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

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)

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.) W Q
70 ☐ 72 ☐ 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 2
METHOD USED TO MEASURE PUMPING RATE Budex
WATER LEVEL (distance from land surface) BEFORE PUMPING 70 WHEN PUMPING 215
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 ☐
(CIRCLE) (YES or 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 2 (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)
Crumford Rd
Henington Rd

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. 40
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
James J. Gentry
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)
James J. Gentry

COUNTY

Page _____ of _____
Date _____

3-29-90
8:00

Review OK MAR 6/5/90

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0891 ✓
Location of property (road) Wild Rose Ct.
Subdivision MEADOWOOD Lot 48 ✓ Block _____ Plat _____ Sec. 2 Phase 2
Well Driller GEMERDAY Owner Spring Hill Assoc.
Depth of well 420 1+
Distance of measuring point (M.P.) above ground 1 1/2 FT.
Static water level (S.W.L.) below M.P. 70 FT.

I. High rate pumping -- reservoir drawdown

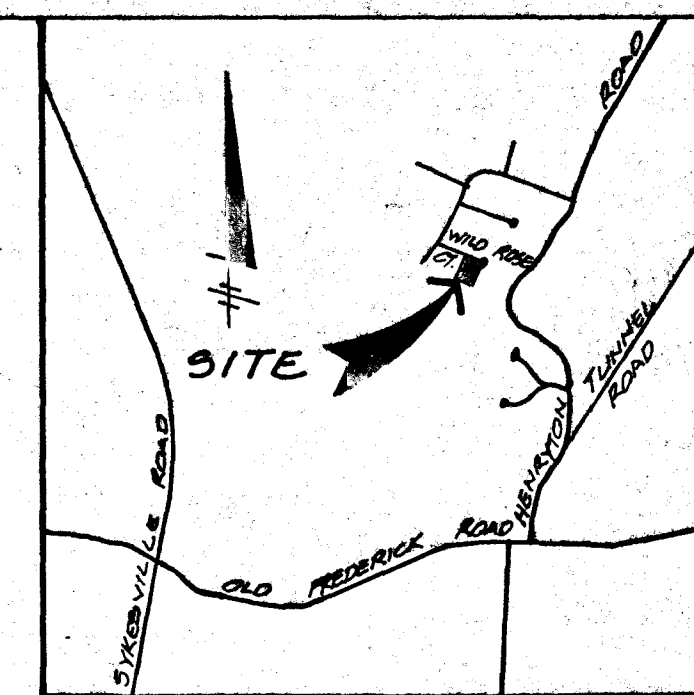
Time pump started 8:00 Pumping rate 10 GPM
Total time 45 min. to reach pumping water level 215 ft. below M.P.

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

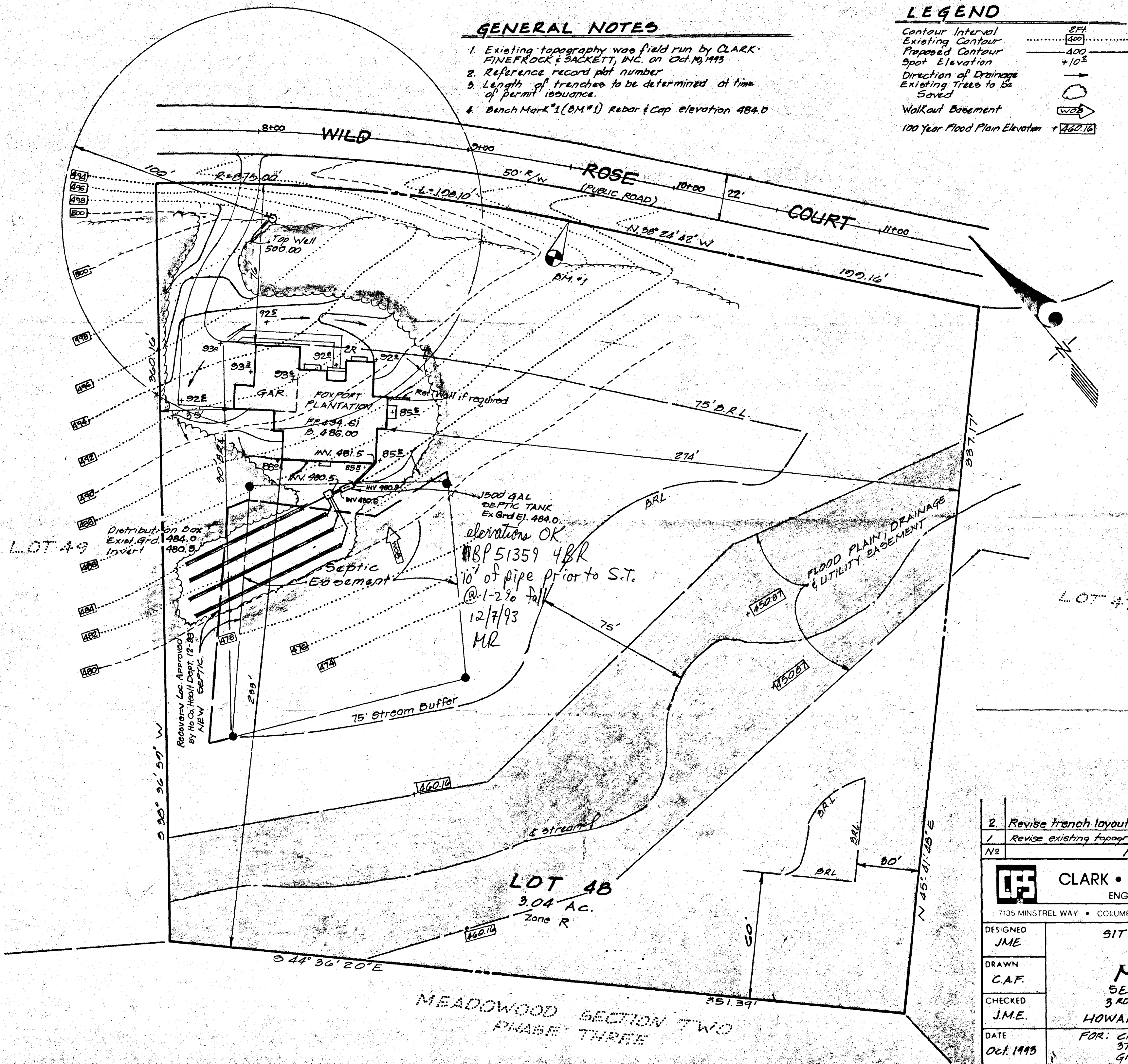
TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5/1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45	215'	28 sec	390 FT.	2.14 GPM
9:00	215'	28 sec	There is no flow	2.14 GPM
9:15	215'	28 sec		2.14 GPM
9:30	215'	28 sec		2.14 GPM
9:45	215'	28 sec		2.14 GPM
10:00	215'	28 sec		2.14 GPM
10:15	215'	28 sec		2.14 GPM
10:30	215'	28 sec		2.14 GPM
10:45	215'	28 sec		2.14 GPM
11:00	215'	28 sec		2.14 GPM
11:15	215'	28 sec		2.14 GPM
11:30	215'	28 sec		2.14 GPM
11:45	215'	30 sec		2 GPM
12:00	215'	30 sec		2 GPM
12:15	215'	30 sec		2 GPM
12:30	215'	30 sec		2 GPM
12:45	215'	30 sec		2 GPM
1:00	215'	30 sec		2 GPM
1:15	215'	30 sec		2 GPM
1:30	215'	30 sec		2 GPM
1:45	215'	30 sec		2 GPM
2:00	215'	30 sec		2 GPM
2:15	215'	30 sec		2 GPM
2:30	215'	30 sec		2 GPM
HD-224 2:45	215'	30 sec		2 GPM

1. Existing topography was field run by CLARK-FINEFROCK & SACKETT, INC. on Oct. 10, 1993
2. Reference record plot number
3. Length of trenches to be determined at time of permit issuance.
4. Bench Mark #1 (BM #1) Rebar & Cap elevation 484.0

Contour Interval 2 Ft.
Existing Contour 400
Proposed Contour ——— 400
Spot Elevation + 10[±]
Direction of Drainage →
Existing Trees to Be Saved
Walkout Basement
100 Year Flood Plain Elevation + 460.16



VICINITY PLAN
Scale: 1"=2000'



2.	Revise trench layout & septic recovery area as per Health Dept.	12-3-93
1.	Revise existing topography to reflect Correct Ho. Co. Datum	11-30-93
Nº	REVISIONS	Date



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED JME	SITE DEVELOPMENT PLAN LOT 4B MEADOWOOD SECTION TWO AREA TWO 3RD ELECTION DISTRICT HOWARD COUNTY MARYLAND	SCALE 1" = 30'
DRAWN C.A.F.		DRAWING 1 OF 1
CHECKED J.M.E.		JOB NO. 03-204
DATE Oct. 1993	FOR: CROSEN HOMES, INC. 3715 Shady Lane Glenwood, Md. 21738	FILE NO. 03-204X