open trench
7-9-97
noon
C.O.
7-10-97
noon

7-15-97
WPI
ready now

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

P 58564

A 48821

DISTRICT 3rd

DATE 7/14/97

DATE SYSTEM APPROVED 7/10/97

INSPECTOR AVM

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXXX 313-2640

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL X ALTER ____

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 410-795-5674

SUBDIVISION Quarterfield LOT 43 ROAD 11617 Quarterfield Drive

PROPERTY OWNER Steve Olson

ADDRESS ____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 2 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 7½ feet below original grade. Effective area begins at 3½ feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the left rear lot corner, start the first trench 120 feet up the left lot line and 45 feet off this same lot line. Run trenches on contour to rear of lot.

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

PLANS APROVED BY Mark Rifkin/Ronald J. Pinkley DATE 03/19/97

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.

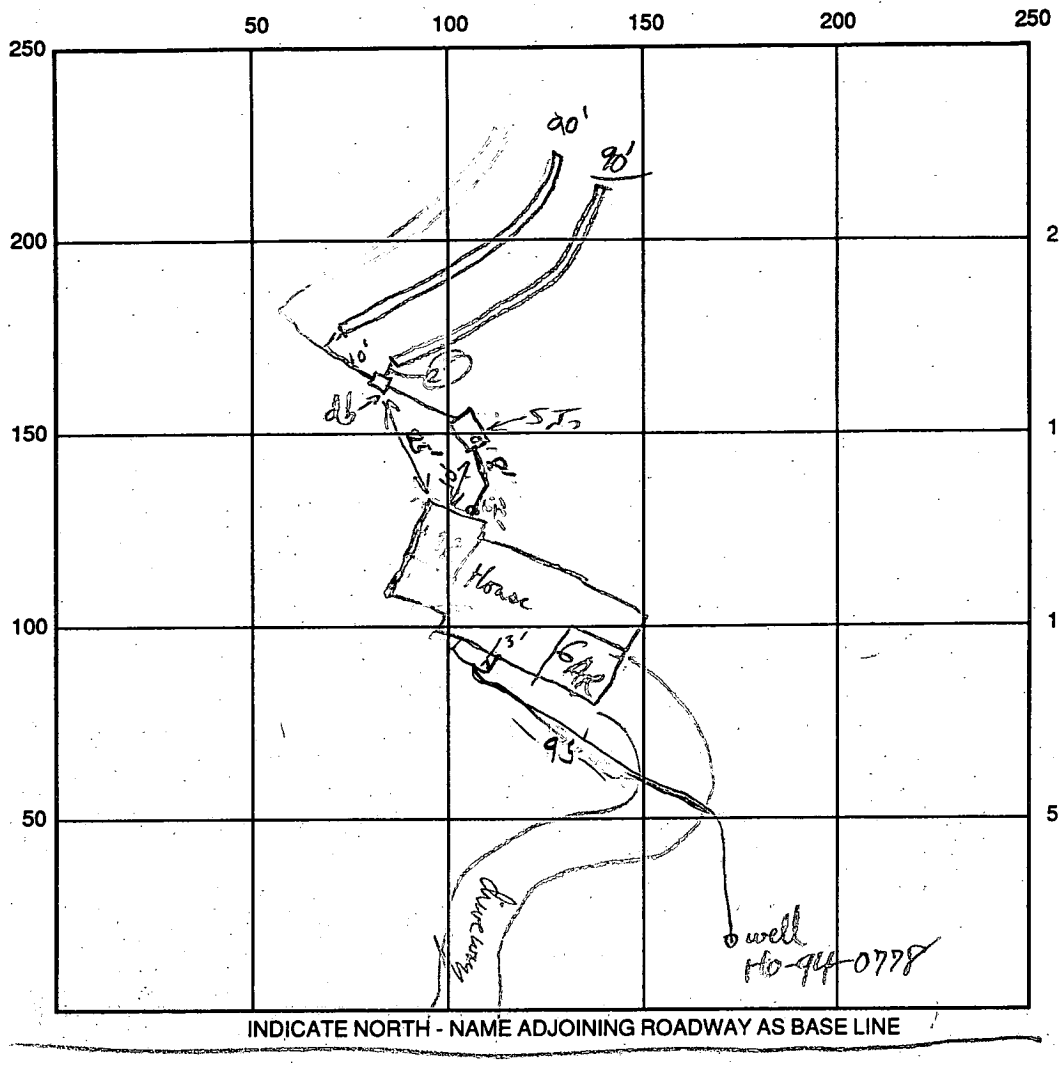
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

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

HD-260(6-90)

A 48821



SEPTIC TANK LEVEL 1250 gal CLEANOUTS 1 by house, 1 @ ST - both OK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 2½ FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 3½ FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA — SQ. FT.

REMARKS: House Connection & Septic Tank Placement OK. 7/9/97 AM

1st Open Trench OK to gravel fill, OK to cover. all but end of line when finished.

all but Next Trench Top. 7/9/97 AM 7/10/97 OK to cover all work final ALM

7/15/97 well line OK TO COVER, NO ground wire

DATE SYSTEM APPROVED 7/10/97 INSPECTOR A McMullen

APPLICATION

PERCOLATION TESTING

A 48821

P _____

DISTRICT _____

DATE _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ~~Joseph M. Zoller, III~~ Steve Olson
11696 Carroll Mill Road
ADDRESS Ellicott City, Maryland 21043 PHONE _____

AGENT OR PROSPECTIVE BUYER SDC Group, Inc.

ADDRESS P.O. Box 417, Ellicott City, MD 21041 PHONE (410) 465-4244

PROPERTY LOCATION:

SUBDIVISION Zoller Property LOT NO. 5
(11617 Quarterfield Drive)
ROAD AND DESCRIPTION Northeast quadrant Folly Quarter Road and Carroll Mill Road
intersection.

~~BLDG. PERMIT SIGNED~~
AND RETURNED 3/19/97
Permit # B01044117

TAX MAP 23 PARCEL # 8,82 & 101

SIZE OF LOT 1 Ac +/- TYPE BLDG. Single Family - 4 Bdrm
(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.

SDC GROUP INC.
By: _____ VP
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

HD-216 (3/92)

COUNTY #

SOIL PROFILE

0' ALL

red sa
cl lm
15% frags

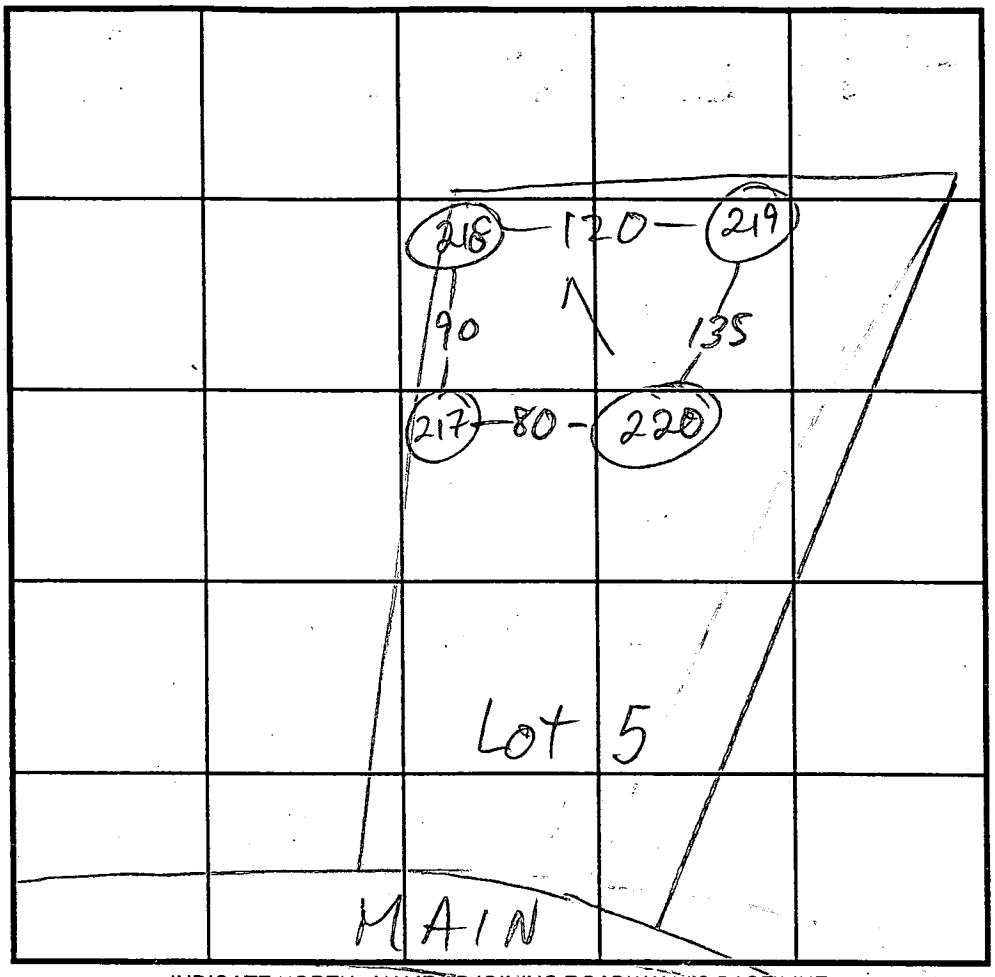
3½

tan
red brn
sa lm
10% frags

12-14

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
7/20/94	218 S	42"	1:07:10	1:09:10	1:09	1:12	3
	218 V	12					
	217	4½	1:16	1:17:00	1:17:00	1:19	2
	217	14					
	219	4	2:00	2:01	2:01	2:02	1
	219	12					
	220	4½	2:05	2:06	2:06	2:08	2
	220	12					

REMARKS

TYPE OF SOIL

TESTED BY M. Rifkin ALSO PRESENT Hatfield crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME USE ALL 2 TRENCH WIDTH 2

INLET DEPTH 3½ MAXIMUM BOTTOM DEPTH 7½ SQ. FT/BEDROOM 180

STATE USE INDUSTRIES
JESSUP, MD 20794

EMERGENCY/TEMP NO. IF ANY

B 1 | 1905 | SEQUENCE NO. (MDE USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER: HO-94-0778

70 fill in this form completely 79

Date Received (APA): 02/19/96

OWNER INFORMATION

THOMPSON | DALE
15 Last Name | Owner | First Name 34

10050LDCOLUMBIA RD
36 Street or RFD 55

COLUMBIA | MD | 21046
57 Town | 70 State 72 | Zip 76

DRILLER INFORMATION

CIRCLE: MSD/MGD/MWD

Joseph L. Mayne | 24
Driller's Name | 77 License No. 80

Joseph L. Mayne Well Drilling
Firm Name

5512 Ridge Rd. Mt. Airy MD 21771
Address

Joseph L. Mayne 2/1/96
Signature | Date

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5 (8–12)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500 (14–20)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
[F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
22 [I] INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
[P] PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
[T] TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL: 220 FEET (24–28)

APPROXIMATE DIAMETER OF WELL: 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
30 37 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
CABLE REVerse-ROTary DRive-POINT
other

REPLACEMENT OR DEEPENED WELLS
(CIRCLE APPROPRIATE BOX)

(N) THIS WELL WILL NOT REPLACE AN EXISTING WELL
[Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
39 [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
[D] THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 (52)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER: GAP (54–63)

FORCE [MR] WRITE INITIALS IN BOX (67 68) PERMIT No. HO-94-0778 (70 71 72 73 74 75 76 77 78 79)

SPECIAL CONDITIONS
NOTE = APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =

B 3 LOCATION OF WELL

HOWARD
8 COUNTY 21

QUARTERFIELD
23 SUBDIVISION 42

SECTION (44–46) LOT 5 (48–50)

WESTFRIENDSHIP
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town): .4 MI (73–76 77 78)

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NW 8–9 | N 8 | NE 8–9
W 8 | TOWN | E 8
SW 8–9 | S 8 | SE 8–9

QUARTER FIELD DR
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH (N) WEST (W) (32) EAST (E) SOUTH (S)

34 30 37 DISTANCE FROM ROAD

ENTER FT OR MI: FT (38 39)

TAX MAP: 23 BLK: 9 PARCEL 82

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard | A 48821
COUNTY NAME | COUNTY NO.

STATE SIGNATURE _____ INSERT S. (41)

DATE ISSUED: 05/02/96 (43–48) Mark E. Rifkin 5/2/97
CO SIGNATURE EXP. DATE

NORTH GRID: 52300 (50–55) EAST GRID: 08240 (57–63)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

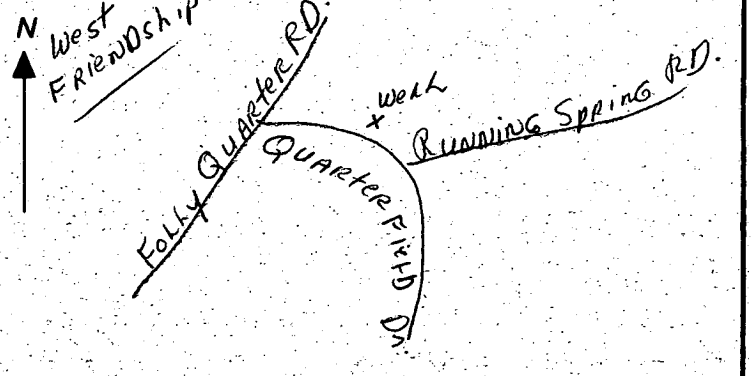
SOURCES OF DRILLING WATER
1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8284
N 5283
000 000

5/17/96 - 9:30 AM
73' CASING MR
66' OPEN 5/17/96
24 BAGS
2' CASING A.G.
GROUT OK
TAG OK LOC OK

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



COUNTY

C 1 [redacted] 4575 SEQUENCE NO. (MDE 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 48821

ST/CO USE ONLY
DATE Received 05 20 96

DATE WELL COMPLETED 05 17 96

Depth of Well 340 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-0778

OWNER Thompson (last name) Dale (first name)
STREET OR RFD Quarterfield Dr TOWN W. Friendship
SUBDIVISION QUARTERFIELD SECTION LOT 5

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	FEET TO	check if water bearing
Sand	0	69	
Gray Mica Rock	69	340	/

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes Y no N

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.

TYPE: MWD/MSD/MGD
DRILLERS LIC. NO. 24
Joseph L. Mayer
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. 27
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes Y no N
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS 24 NO. OF POUNDS 2256
GALLONS OF WATER 144
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. TOP to 66 ft. BOTTOM
(enter 0 if from surface)

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

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
ST	6	73

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

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

C 2

EACH SCREEN		DEPTH (nearest ft.)	
1	HO	71	340
2			
3			

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

GRAVEL PACK from ____ to ____
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
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

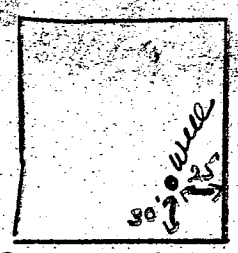
C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min.) 004.5
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 57 ft.
WHEN PUMPING 234 ft.

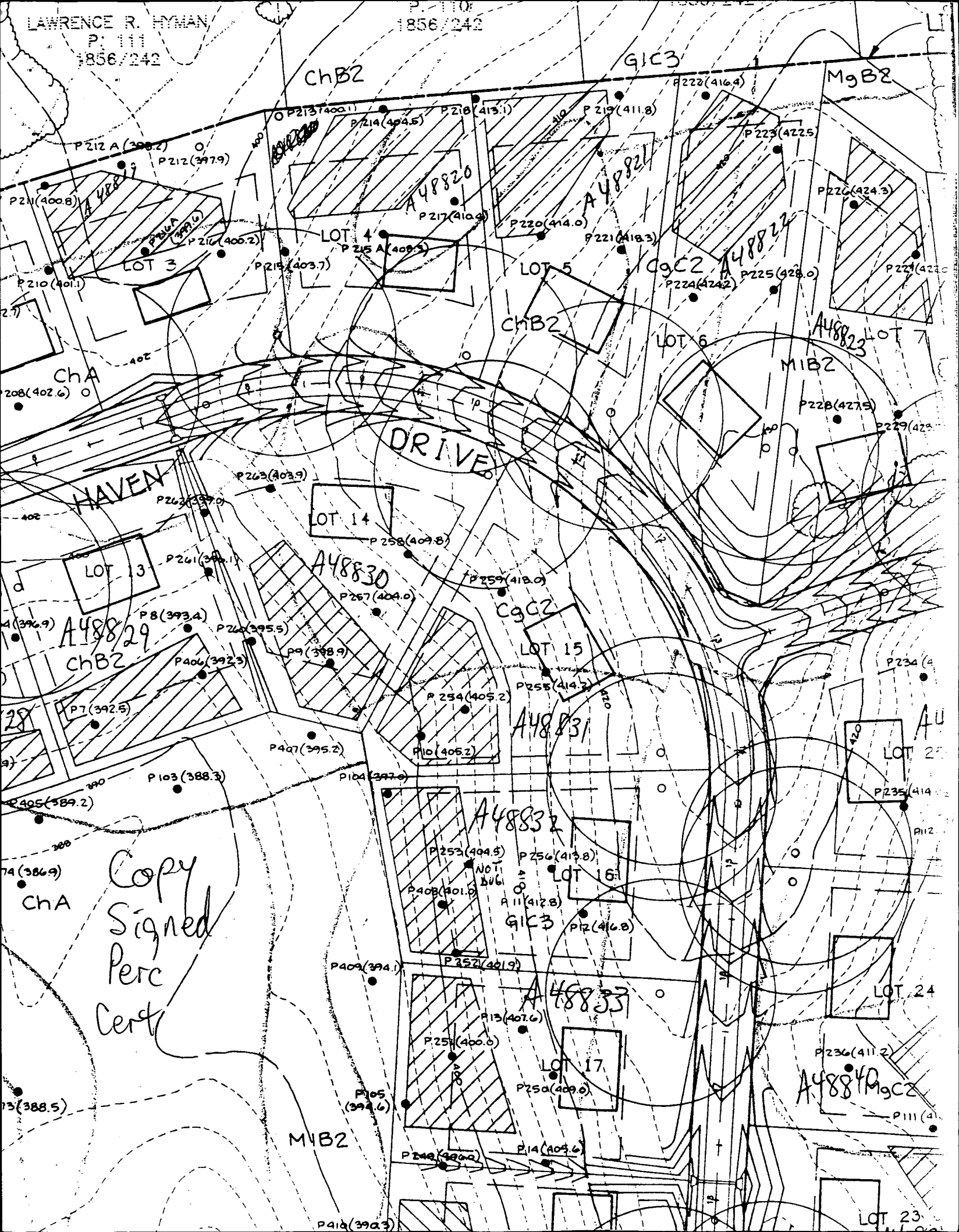
TYPE OF PUMP USED (for test)
A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

PUMP INSTALLED
DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES NO
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29
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 LAND SURFACE
– below
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)



COUNTY


LAWRENCE R. HYMAN
P: 111
1856/242
P: 110
1856/242
ChB2
GIC3
MgB2
P213(400.1)
P214(404.5)
P218(413.1)
P219(411.8)
P222(416.4)
P223(422.5)
P212 A(398.2)
P212(397.9)
P211(400.8)
A48819
A48820
A48821
A48822
P217(410.6)
P220(414.0)
P221(418.3)
P226(424.3)
P216A(399.6)
P216(400.2)
LOT 4
P215A(408.3)
LOT 3
P215(403.7)
LOT 5
C9C2
P224(424.2)
P225(428.0)
P210(401.1)
ChB2
LOT 6
A48823
LOT 7
M1B2
ChA
P208(402.6)
P228(427.5)
P229(428
DRIVE
HAVEN
P263(403.9)
P262(399.0)
LOT 14
P258(409.8)
LOT 13
P261(398.1)
A48830
P259(418.0)
P257(404.0)
C9C2
A48829
P8(393.4)
P260(395.5)
P9(398.9)
LOT 15
ChB2
P406(392.3)
P255(414.2)
P234(4
P254(405.2)
P7(392.5)
A48831
P10(406.2)
P407(395.2)
P103(388.3)
P104(397.0)
LOT 2
P235(414
P405(389.2)
A48832
P112
P253(404.5)
NOT
DUG
P256(413.8)
LOT 16
P408(401.0)
A11(412.8)
GIC3
P12(416.8)
ChA
Copy
Signed
Perc
Cert
P252(401.9)
P409(394.1)
A48833
LOT 24
P13(407.6)
P251(400.6)
LOT 17
P236(411.2)
A48840
MgC2
P105
(394.6)
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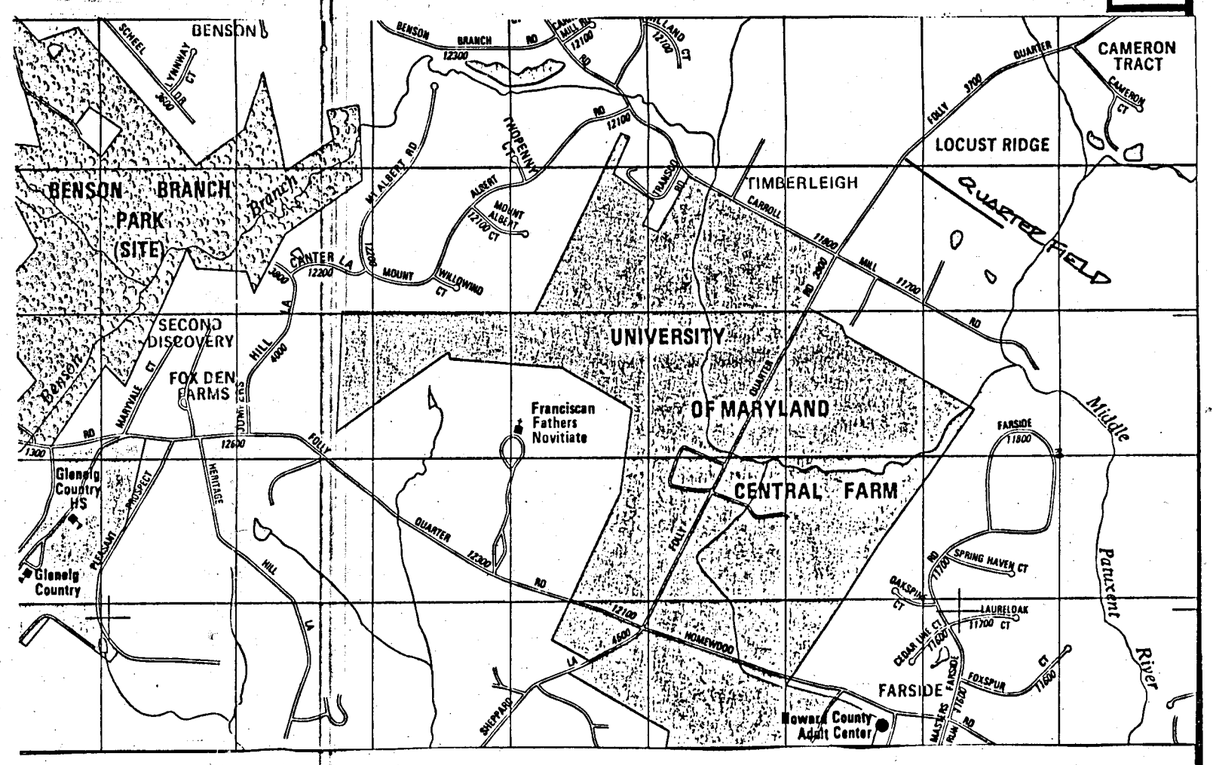
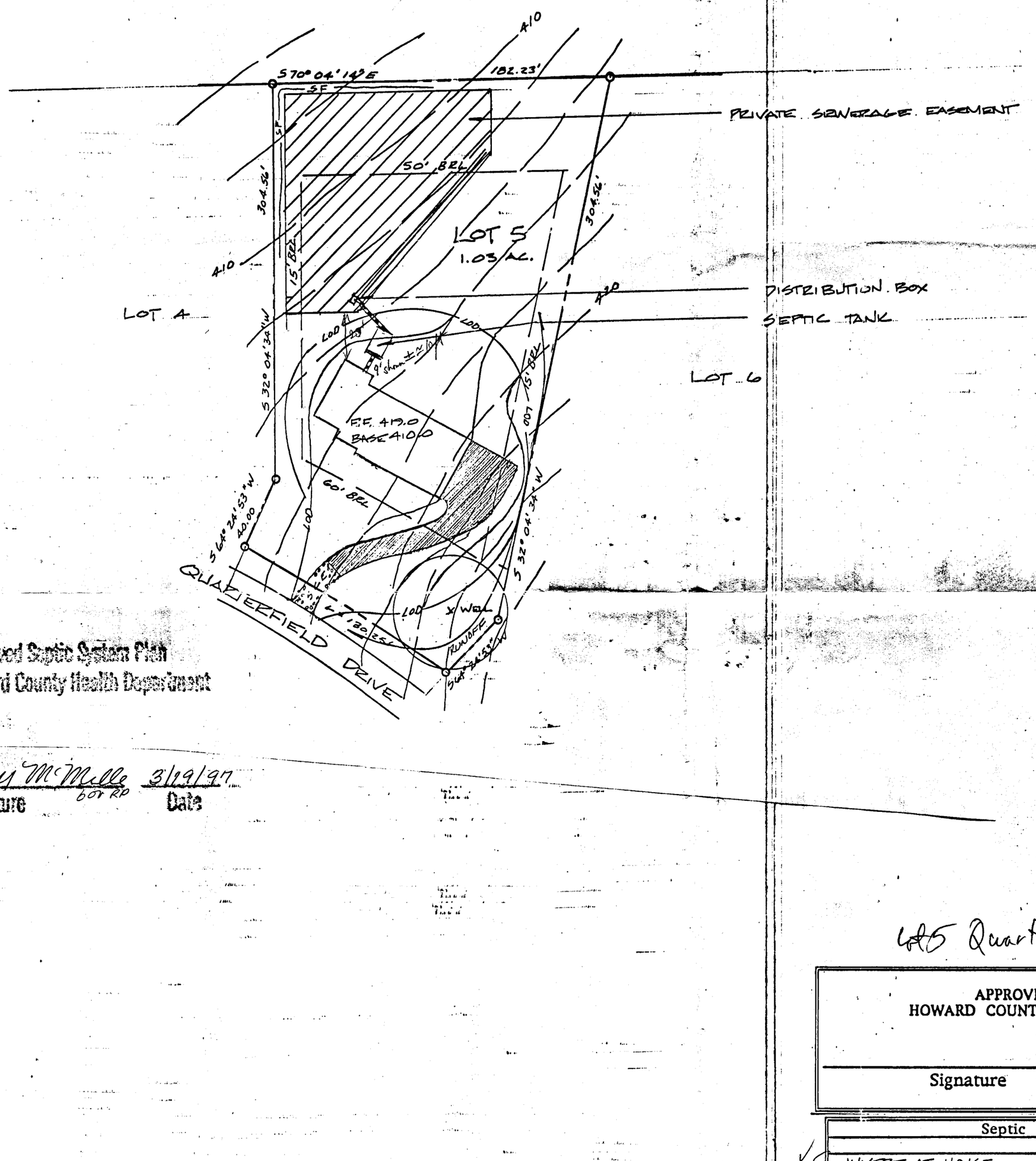
P111(41
M1B2
P14(405.6)
P249(399.0)
P410(393.3)
LOT 23



NORTH



Approved Septic System Plan
Howard County Health Department

Amy McMillen 3/29/97
Signature EOR RP Date

Plan Approved (Keep 10' Horiz. & Septic Tank
Off 3/19/97

475 Quarterfield (11619 Quarterfield Dr)

APPROVED SEPTIC SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Signature Date

Septic Grades & Elevations	Inv.	Grade
INVERT AT HOUSE	411.75	418.0
INVERT AT ENTRANCE TO TANK	411.50	
INVERT AT EXIT TO TANK	411.25	
INVERT AT DISTRIBUTION BOX	411.0	413.0

✓ OK

G.P.# 97-113

DALE THOMPSON
BUILDERS
10005 Old Columbia Road
Suite M-159
Columbia, MD 21046
410-995-6736
301-596-7280
Fax 410-381-8747

DRAWN BY LL
APPROVED BY

SITE PLAN
SCALE: 1"=20'
DATE: 2/21/97
OLSON RESIDENCE
Q-5