

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

R 513358

A 512014

DISTRICT

DATE 3/31/2000

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

8/11/00
3:00

02-339749

Fogle's Septic Clean, Inc.

FOR SERVICE BASEMENT:
ADD 1500 GAL TANK
AND 2-60 TRENCHES
BELOW EXISTING POOL AREA
BETWEEN OLD SEPTIC AREA
& NEW AREA AS PER
ATTACHED DIAGRAM

DATE SYSTEM APPROVED 9/21/01

INSPECTOR S.R.V.

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 580 Obrecht Road, Sykesville, MD 21784

PHONE 410-795-5670

SUBDIVISION Burleigh Manor LOT 687 ROAD 3886 Whitebrook Lane

PROPERTY OWNER Greenfield Homes, Inc.

ADDRESS

SEPTIC TANK CAPACITY 2000 GALLONS

NUMBER OF BEDROOMS 7

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 490

7/3/00 - PAGE INSTALLATION INSP w/ KURT (FOGLE)

PLUMBED ELEVATION TOO LOW FOR BASEMENT SERVICE.

FULL APARTMENT W/ KITCHEN REPORTED IN BASEMENT.

CLIENT REPORTEDLY OBJECTS TO PUMPED SYSTEM.

SUGGESTED SOLUTION - TWO SEPARATE SYSTEMS - SEE ATTACHED LETTER (CW)

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 100 feet from the well, approximately 125 feet from the front (395') lot line and 180 feet from the right (280') lot line. Run trenches along contour in both directions. Run 7, 70 foot trenches or 6, 80 foot trenches.

NOTES - Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

Contractor to ~~Call~~ call to Schedule layout inspection to discuss spacing between trenches (SRV) 11/21/99 OK AN

PLANS APPROVED BY C. Williams/Amy McMillen

DATE 11-03-1999

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 ABS

PERMIT VOID AFTER TWO YEARS

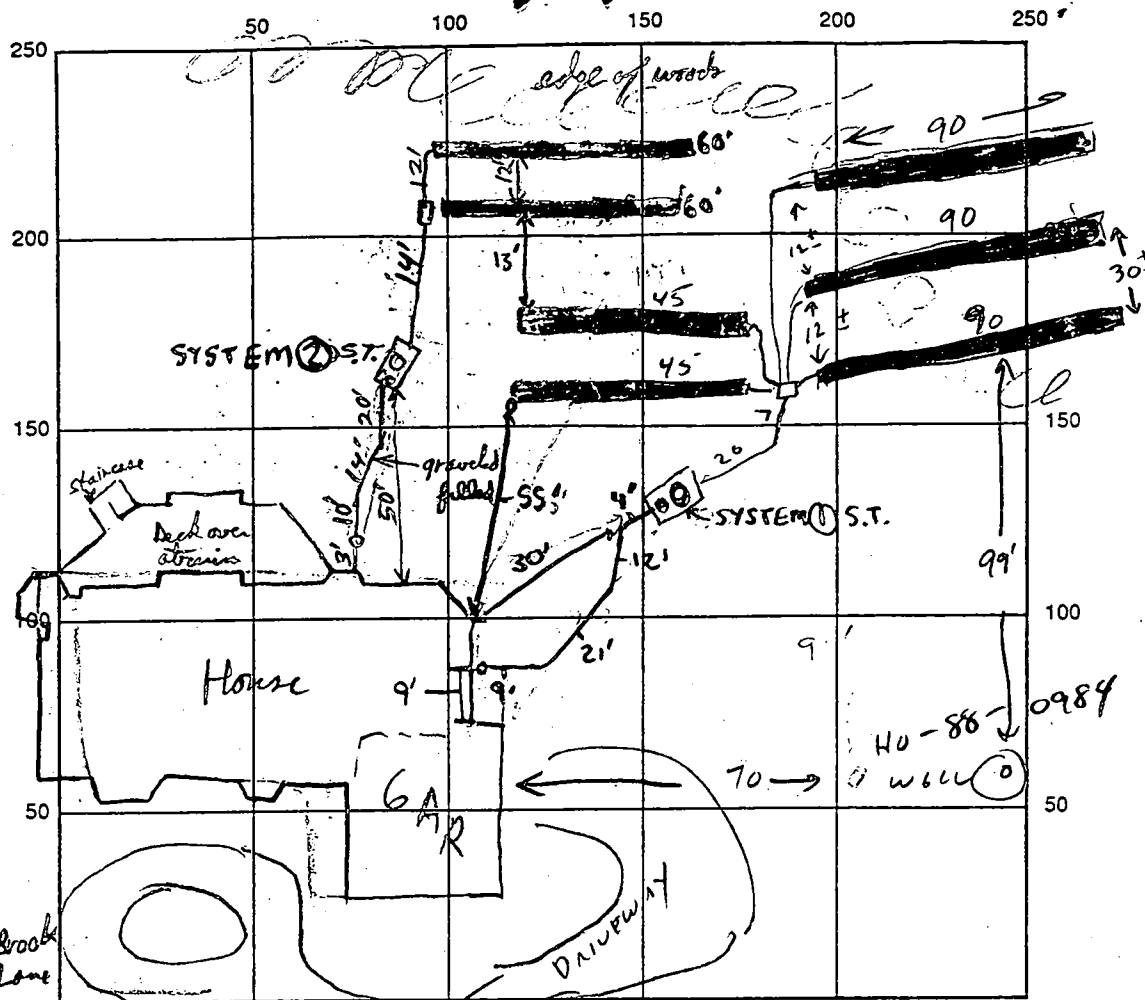
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

R513358



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE
 SEPTIC TANK LEVEL ① 1500 gal Mid season (System 2)
 SEPTIC TANK LEVEL ② 2000 gal Mid season (System 1)
 CLEANOUTS
 System ① 2 4" at house, 6" and manhole on Septic Tank
 System ② 4" at house, 6" and manhole on Septic Tank

DISTRIBUTION BOX LEVEL ☒
 DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ① 120 (2x60')
 NUMBER OF TRENCHES System 1-5 System 2-2 ONE SIDEWALL/BOTTOM AREA ② 360 sq ft
 DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET N/A FT.
 ABSORBENT AREA N/A SQ. FT.

REMARKS: 7/5/00 TANK & 15' TRENCHES COMPLETE.
 7/5/00 3rd 90' TRENCH COMPLETE, 2-45' TRENCHES IN PROGRESS.
 SET DIST BOX. LEVELERS TO FEED SHORT TRENCHES LAST, LEAVE MARKER
 AT END OF UPPER MOST SHORT TRENCH & COVER WHEN COMPLETE. (u)

(Sgt #2) House Connection & Septic Tank for house approx. OK to Cover (House Connection is gravel filled) Feeder lines in lower trench
 OK to cover, gravel trench partially dug & gravel OK to Cover. Call for Final Inspection. R/P 8/11/00

DATE SYSTEM APPROVED 9/21/01 INSPECTOR Steven R. Krieg
 8/14/00 - SYSTEM #① HOUSE CONN. NEEDED See Craig Williams' correspondence for additional info - (SRW)
 9/21/01 - HOUSE CONN. VERIFIED FOR SYSTEM ① THRU T/C W/BUILDER - (SRW)

Approved Septic System Plan
Howard County Health Department

Total linear feet of trench required 480 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 5.0 feet

Depth of stone required below distribution pipe 2.0 feet

Signature [Signature]

Date 11/3/99

11/2/99

Floor plans reviewed

Basement - 2 bedroom apt - one
abled study but it has
closet, bathroom & window
and one entrance

First floor - master bedroom

2nd floor - 4 bedrooms

Total = 7 bedrooms

A McMillan

SEPIC EASEMENT CAN HOLD
1540 LINEAR FEET OF
TRENCH. IF 70 TOTAL
LINEAR FEET OF TRENCH
ARE NEEDED FOR
3 TOTAL SYSTEMS

REPORTED THIS TO RICK
MINOR OF GREENFIELD
HOMES 11/3/99

DRAINAGE AND
UTILITY EASEMENT

NOTES

WAS TAKEN FROM PRELIMINARY PLANS
FISHER, COLLINS AND CARTER, INC.

EA: 29,350 SF

CLARK • FINE
ENGINEER
7135 MINSTREL WAY • COLUMBIA, MD

Approved Septic System Plan
Howard County Health Department

Total linear feet of trench required 480 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 5.0 feet

Depth of stone required below distribution pipe 2.0 feet

Signature [Signature]

Date 11/8/99

11/2/99

Floor plans reviewed

Basement - 2 bedroom apt - one
labeled study but it has
closet, bathroom & window
and one entrance

First floor - master bedroom

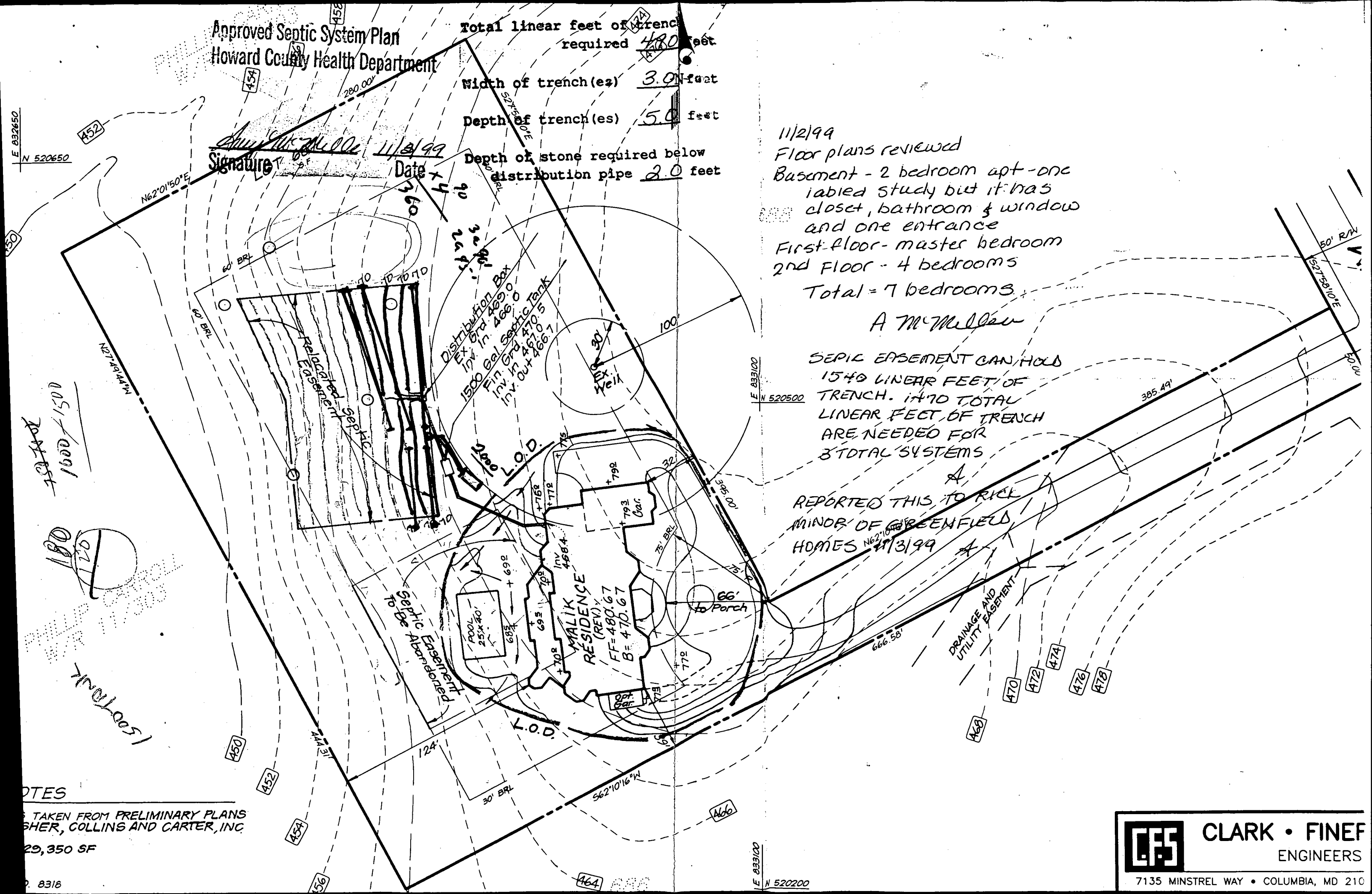
2nd Floor - 4 bedrooms

Total = 7 bedrooms

A McMillan

SEPIC EASEMENT CAN HOLD
1540 LINEAR FEET OF
TRENCH. IN 70 TOTAL
LINEAR FEET OF TRENCH
ARE NEEDED FOR
3 TOTAL SYSTEMS

REPORTED THIS TO RICK
MINOR OF GREENFIELD
HOMES 11/3/99



NOTES

TAKEN FROM PRELIMINARY PLANS
SHER, COLLINS AND CARTER, INC

29,350 SF

8318



CLARK • FINE
ENGINEERS

7135 MINSTREL WAY • COLUMBIA, MD 210

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation X
Replacement _____

Receipt # _____
Date _____

Name of Installer Gartland Plumbing Inc.

Telephone 410-825-5303

License Number 6352

Certified Well Pump Installer _____ Well Driller _____

Registered Plumber X

Name of Property Owner Malik Tofan

Telephone 410-265-8037

Subdivision Bonleigh Manor Lot # 687

Well Tag # HO-88-0187

Site Address 3996 White Brook

Pump

1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible X
2. Make Grundfos
3. Model # 2EX
4. Capacity 2 GPM

Motor

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

Pitless Adapter

1. Make Howard
2. Model # PT 400
3. Depth 6.0'

5. Pump exceeds well capacity Yes X No _____
6. If Yes, is low pressure cutoff switch installed? Yes X No _____
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards _____ Other X

- Pressure Tank 2-T-350
1. Capacity 350
 2. Pressure relief valve? Yes

Piping

1. Type Poly
2. Size 1"
3. NSF and/or BOCA Code approved Yes
4. Depth of supply line 60"

Well data

1. Depth 365 ft.
2. Yield 3.5 GPM
3. Static water level 10.5'
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.

NO RECORD OF WPI

INSP CALLED IN

Builder & Installer notified (SRK)

Signature of Applicant _____

Date: 4-28-00

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

HO-215

Installed w/o insp.

C1 1112 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 A39204

ST/CO USE ONLY
DATE Received
8 13

DATE WELL COMPLETED
103089
45 20

Depth of Well
22 365 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
40-88-0984
28 29 30 31 32 33 34 35 36 37

OWNER Groenbaum & Assoc. last name first name
STREET OR RFD Whitebrook La TOWN Ellicott City
SUBDIVISION RIVER LEIGH MANOR SECTION LOT 687

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 Stone 0 36
GRAY Micah Rock 36 365

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box)
TYPE OF GROUTING MATERIAL
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS 8 NO. OF POUNDS 752
GALLONS OF WATER 48
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 32 ft.
48 TOP 52 54 BOTTOM 58
(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)
S 6 42
60 61 63 64 66 67 70

OTHER CASING (if used)
diameter depth (feet)
inch from to
screen type or open hole insert appropriate code below
ST BR HO
STEEL BRASS OPEN HOLE
PL OT
PLASTIC OTHER

DEPTH (nearest ft.)
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 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60
from to
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

C3
1 2

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 32
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 24
WHEN PUMPING 285
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
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 } 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)

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. 232
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DRILLER County

Page 1 of 1
Date 10/30/89

Review OK MR 1/11/91

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0984
Location of property (road) Whitebrook La.
Subdivision BURLEIGH MANOR Lot 687 Block Plat Sec.
Well Driller J Mayne Owner Greenbaum & Assoc

Depth of well 365'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 24'

I. High rate pumping -- reservoir drawdown

Time pump started 10:50 Pumping rate 15 gpm
Total time 60 min to reach pumping water level 280 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:05	156'	4 sec.		15
11:20	221	5		12
11:35	285	5		12
11:50	280	18		3.3
12:05	285	17		3 1/2
12:20	280	17		3 1/2
12:35	280	17		3 1/2
12:50	280	17		3 1/2
1:05	280	17		3 1/2
1:20	280	17		3 1/2
1:35	280	17		3 1/2
1:50	280	17		3 1/2
2:05	280	17		3 1/2
2:20	280	17		3 1/2
2:35	280	17		3 1/2
2:50	280	17		3 1/2
3:05	280	17		3 1/2
3:20	280	17		3 1/2
3:35	280	17		3 1/2
3:50	280	17		3 1/2
4:05	280	17		3 1/2
4:20	280	17		3 1/2
4:35	280	17		3 1/2
4:50	280	17		3 1/2

HD-224 5:05 280 17 (over 1)
5:20 280 17

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0984
Location of property (road) Whitebrook La
Subdivision BURLEIGH MANOR Lot 687 Block Plat Sec.
Well Driller J. Payne Owner Greenbaum & Assoc

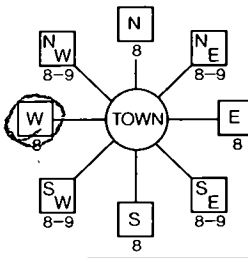

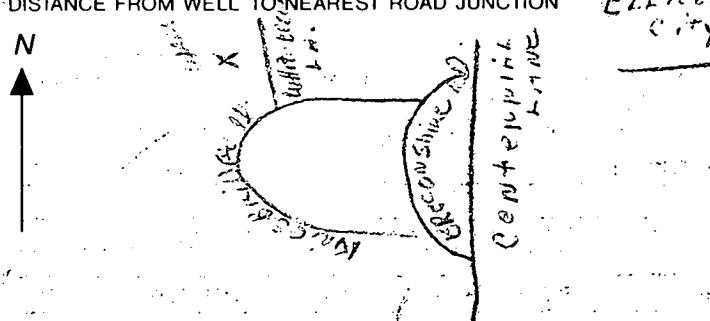
Depth of well 365'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 24'

I. High rate pumping -- reservoir drawdown

Time pump started 10:50 Pumping rate 156 PM
Total time 60 min to reach pumping water level 280 ft. below M.P.

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

[illegible]

B 1 8737 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-88-0984 <small>fill in this form completely</small>
Date Received (APA) 080789 OWNER INFORMATION 8 GREENEBAUM 13 + ROSE 15 Last Name Owner First Name 34 36 1777 REISICKSTOWN RD 55 Street or RFD 57 BALTIMORE 70 State 72 MD 76 21208 Zip		B 3 LOCATION OF WELL 1 HOWARD 21 8 COUNTY 23 SUBDIVISION BURLEIGH MANOR 42 SECTION 2 44 46 LOT 687 48 50 52 NEAREST TOWN ELLICOTT CITY 71 MILES FROM TOWN (enter 0 if in town) 3 1/2 73 76 77 78 M	
DRILLER INFORMATION Driller's Name Joseph L. Mayne 77 License No. 80 238 Firm Name Joseph L. Mayne Well Drilling Address 5512 Ridge Rd. Mt. Airy 21771 Signature Joseph L. Mayne Date 7/26/89		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD WHITE BROOK LANE 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  DISTANCE FROM ROAD 400 34 37 ENTER FT or MI FT 38 39	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A39204 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 080789 Mark E. Ralston 2/7/90 CO SIGNATURE EXP DATE NORTH GRID 521000 50 55 EAST GRID 0835000 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		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 8385 N 5281	
APPROXIMATE DEPTH OF WELL 300 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH		10/30/89 42' CASING GROUP 32' OPEN PARTIAL 8 BAGS OBS'D 2' CASING A.G. MR 10/30/89 well UTAG	
METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN 30 <u>AIR-ROTARY</u> AIR-PERCussion ROTARY (Hydraulic Rotary) 37 <u>CABLE</u> REVERSE-ROTARY DRIVE-POINT other		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER GAP 54 63 FORCE MR WRITE INITIALS IN BOX PERMIT No. 40-88-0984 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS			

PHILLIP CARRO
W/R H/303

Note:
Limited Survey
Order No.
Adjustment
Part Field

MR
6/7/89

3.05A

3.49 A2 BRL

375'

376'

457'

LAKE

C12057

SEQUENCE NO.
(OEP 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 39204

DATE Received.

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

03238R

400

HC-81-2446

OWNER

ASSOCIATES

WHITMAN

REGUARDT

STREET OR RFD

WHITE BROOK LANE

TOWN

ELICOTT CITY

SUBDIVISION

BURLEIGH MANOR

SECTION

2

LOT

55687

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

2 dry wells 400' 400'

Filled in with

cement & chert

materials.

25'

35' 400'

GROUTING RECORD

yes no

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT

CM

BENTONITE CLAY

BC

NO. OF BAGS

7

NO. OF POUNDS

34

GALLONS OF WATER

34

DEPTH OF GROUT SEAL (to nearest foot)

from

1

ft. to

25

ft.

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)

60

61

63

64

66

67

70

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

OT

PLASTIC

OTHER

DEPTH (nearest ft.)

EACH SCREEN

1

8

9

11

15

17

21

23

24

26

30

32

36

38

39

41

45

47

51

SLOT SIZE 1 2 3

DIAMETER
OF SCREEN

56

60

(NEAREST
INCH)

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.

238

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

C3

1 2

PUMPING TEST

HOURS PUMPED (nearest hour)

8

9

PUMPING RATE (gal. per min.
to nearest gal.)

11

15

METHOD USED TO
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

17

20

WHEN PUMPING

22

25

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)

31

35

PUMP HORSE POWER

37

41

PUMP COLUMN LENGTH
(nearest ft.)

43

47

CASING HEIGHT (circle appropriate box
and enter casing height)

above

below

LAND SURFACE

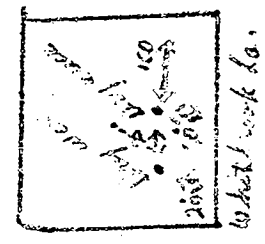
(nearest
foot)

50

51

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)



Review _____

9383

SEQUENCE NO.
(OEP USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER

HC-81-2446

fill in this form completely

Date Received

11/10/87

OWNER INFORMATION

15 Last Name: HARRIS
Owner: HARRIS
First Name: HARRIS
34
36 Street or RFD: 5512 Ridge Rd. Mt. Airy Md. 21771
55
57 Town: ELLENCASTLE
70 State 72: MD Zip: 21771
76

DRILLER INFORMATION

Driller's Name: Joseph R. Mayne
77 License No. 80: 238
Firm Name: Joseph R. Mayne Well Drilling
Address: 5512 Ridge Rd. Mt. Airy Md. 21771
Signature: Joseph R. Mayne
Date: 10/29/87

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)
☒ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 240 FEET
24 28APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
37 CABLE REVERSE-ROTARY Drive-POINT
other

REPLACEMENT OR DEEPEMED 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
☐ D THIS WELL WILL DEEPEN AN EXISTING WELL

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

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER 54 GAP 63

FORCE 67 68 WRITE INITIALS IN BOX PERMIT No. HC-81-2446 70 71 72 73 74 75 76 77 78 79

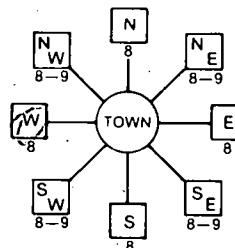
SPECIAL CONDITIONS

NEEDED FOR PRELIMINARY/PLAT APPROVAL

LOCATION OF WELL

8 COUNTY: HANCOCK
21
23 SUBDIVISION: RUPRICHA MAJOR
42
SECTION 2 LOT 55 657
44 46 48 50
52 NEAREST TOWN: ELLENCASTLE CITY
71
MILES FROM TOWN (enter 0 if in town) 3 1/2 MI
73 76 77 78

B 4
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 whitebrook lane 30
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

34 34 37
DISTANCE FROM ROAD

ENTER FT or MI 67

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

COUNTY NAME

OEP
SIGNATURE

DATE ISSUED

11/23/87

CO SIGNATURE

COUNTY NO.

A39204

STATE HEALTH
INSERT S

EXP. DATE

05/23/88

NORTH
GRID

520000

EAST
GRID

0833000

SHOW MAJOR FEATURES OF
BOX & LOCATE WELL
WITH AN X

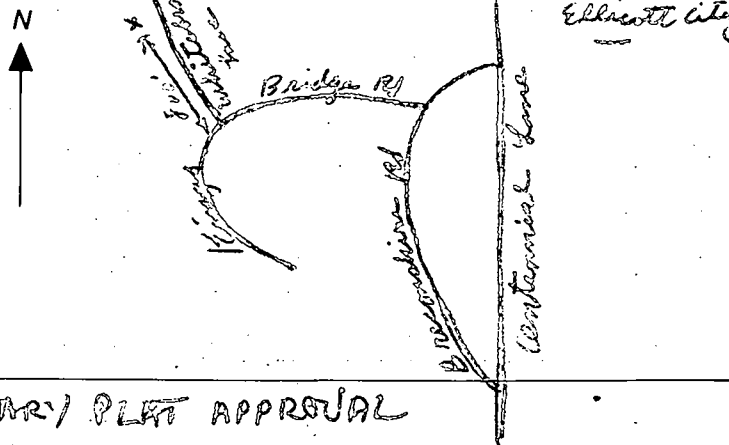
SOURCES OF DRILLING WATER

1. well
- 2.
- 3.

WRITE THE BOX NUMBER
FROM THE MAP HERE

E 520 3
N 520 0

2-8-88
Could not locate lot in
woods. JEN

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

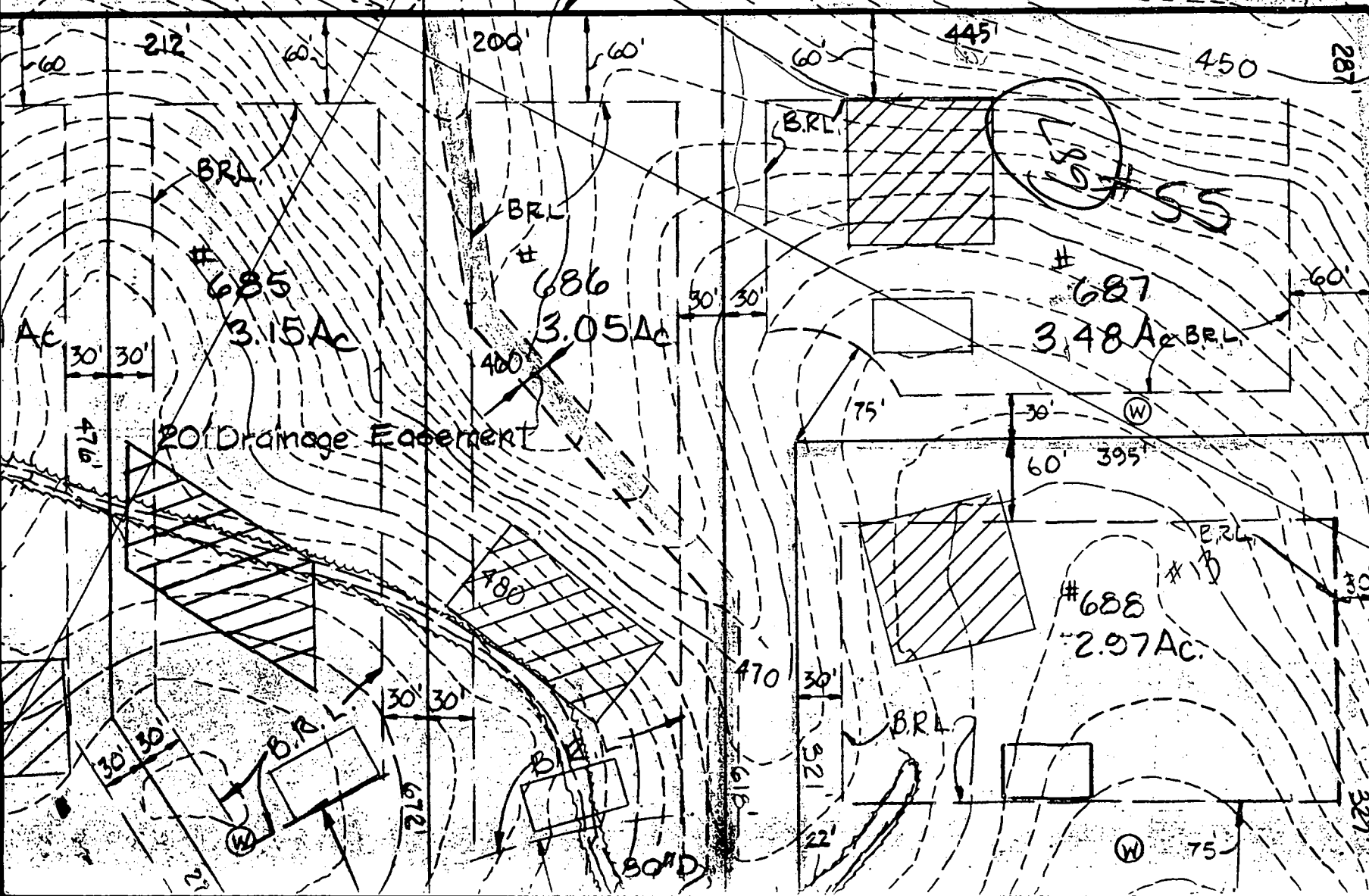
PHILIP CAZ20LL
1/5 1/333

LIMIT OF SUBMISSION



OF SUBMISSION

(1012





DO NOT
DISCARD

HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

July 3, 2000

Rick Minor
Greenfield Homes
1818 Liberty Rd.
Eldersburg, Md. 21784

Re: Septic system permit
Lot 687 Burleigh Manor
3886 Whitebrooke Lane

Dear Mr. Minor,

A septic system preinstallation inspection was conducted with the septic system contractor this date at the above referenced property. At that time the permit specifications were tentatively modified by this office in response to several conditions that differed from the originally approved site plan.

The original permit specification was for a gravity service system serving the full house and sized for a single house of 7 bedrooms. Two factors that became evident at the time of inspection led to the conclusion that a change in installation plans was needed. First, the basement elevation was lower than expected in relation to the designated septic area, making full utilization of the septic area impractical from that point. Second, the basement was reported to be setup to function as an independent living unit, complete with second kitchen, making the potential impact to the septic system greater than predicted based on total bedroom count alone.

The possibility of a single system serving the full-house by gravity was immediately ruled out because the basement plumbing invert was too low for full use of the available septic area. A whole house pumped system would have resolved the elevation issue, but would have done nothing to buffer the potential impact of two dwelling units, and the contractor indicated that the client wished to avoid a whole-house pump if at all possible. The traditional solution of gravity service from the first floor, with basement utilities pumped from an ejector pit to a first floor point-of-exit was ruled out because of the "full-flow" nature of use of this basement. Use of ejector pits is really only appropriate when the basement discharge is minimal and service to the basement can be temporarily discontinued in the event of a line blockage or other break-in-service.



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

Page 2/2

July 3, 2000

Burleigh Manor 687

These considerations led to the conclusion that the only reasonable alternative was for two separate systems, one for the first floor and one for the basement. Such an arrangement provides several advantages. First, the full septic area can be accessed from one system or the other. Second, the potential consequence to a single septic system from two simultaneous washer loads/kitchen loads, etc, is eliminated. And finally, the complications of full or partial pumped systems are avoided with little if any cost differential.

The septic contractor also pointed out that the pathway for construction and service traffic to the planned swimming pool could lead to inadvertent damage to the septic system if the septic system were to be installed in accordance with the original site plan. By switching to two separate collection systems, each could be placed out of "harm's way" far more readily than if a single tank were to be placed in a location accessible to both the first floor and the basement.

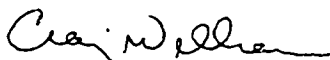
The only factor not covered is the technical requirement for a separate 10,000 square foot septic easement for each of the two separate dwelling units, but some additional area is known to be available. When the septic area was first relocated, one successful test hole remained outside the redesignated area, and a portion of the original area can still be reclaimed if needed.

At this late date, and in consideration of "all that has come before", if the proposal for two separate septic systems is accepted, the requirement for an additional 10,000 square foot septic easement will be waived in return for your agreement to provide an "as built drawing of the two installed systems that increases the size of the dedicated septic area to "whatever area is reasonably available."

The contractor is awaiting your authorization to proceed with installation of the first floor system; We have agreed that a decision on the configuration of the basement system should wait until that system is in and the major work on the pool has been completed.

Please feel free to contact me at this office to convey your acceptance of these arrangements or to request a conference to discuss the matter in greater detail.

Yours truly,


Craig Williams, Sanitarian

cc: Fogle Septic Service

FILE

8/27/99
10:00

APPLICATION

PERCOLATION TESTING

A 512014

P _____

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

PROPOSAL IS TO

EXPAND/ADJUST

DISTRICT _____

SEPTIC TO MAX POSSIBLE DATE 7/19/99

FOR HOUSE SITE OPTIONS

(7 BR POTENTIAL REQUIRES

APPROXIMATELY 13,000 SQ) (CW)

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 IRFAN E ERUM MAUK

ADDRESS 9891 Carrigan Dr EC PHONE 410-750-2739

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Preserve at B Manor LOT NO. # 687

ROAD AND DESCRIPTION 3886 Whitebrook Ln

SEDC PERMIT SIGN'D

AND RETURNED 11-3-99

Serial # B0120812

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. SFD - 7 Bedroom
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY CWELI FOR TABUCHES DATE 10/1/99

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS RELOCATED SEPTIC AREA

REASONS FOR REJECTION OR HOLDING _____

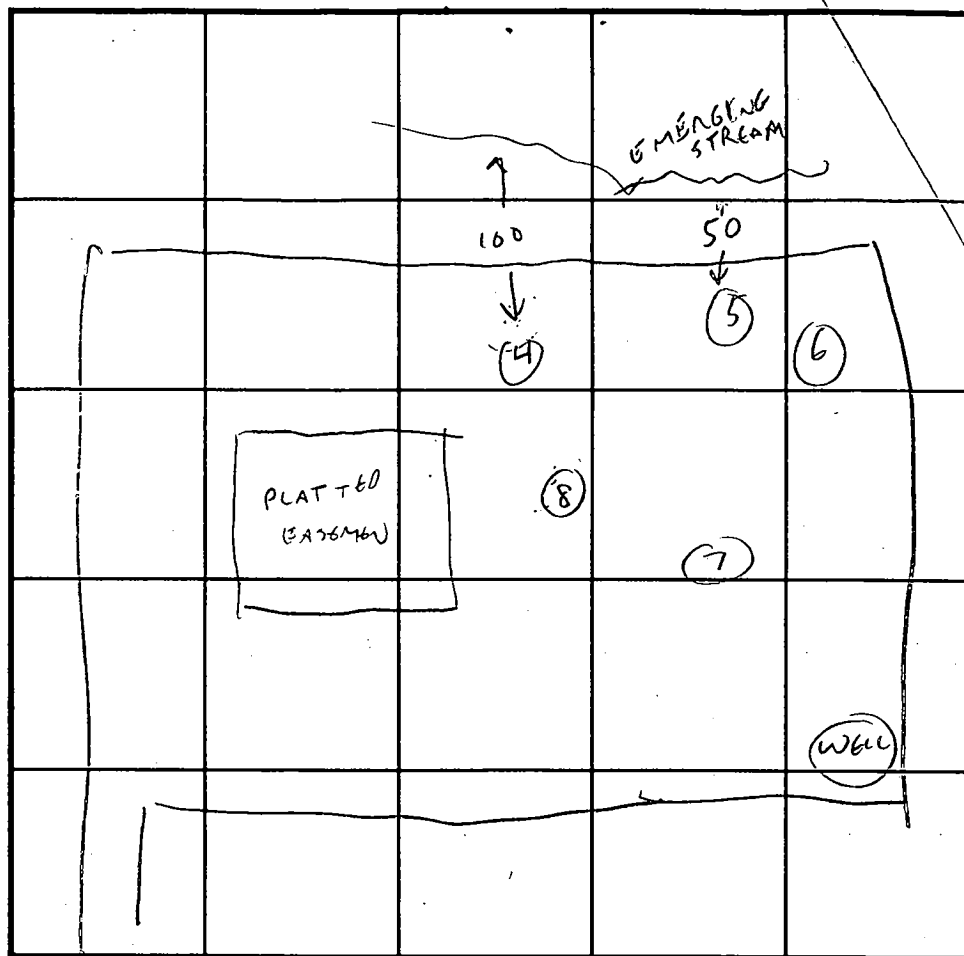
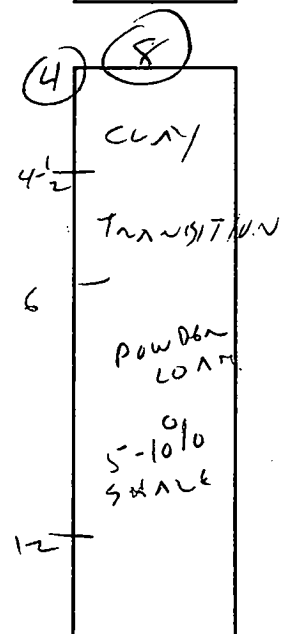
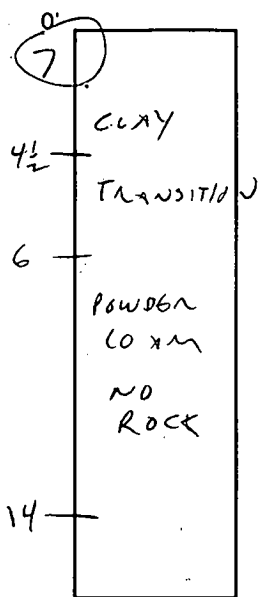
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # Boulevard Manor 687 JOB NO 99-147 BY CPS DATE _____

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

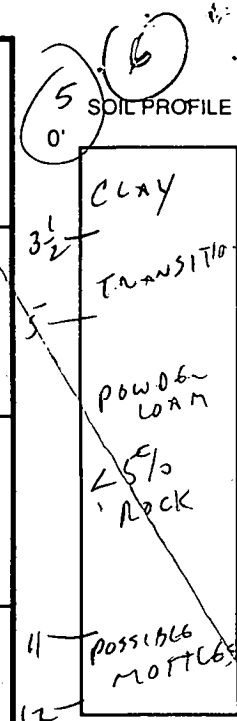
THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/15/99	7	5	STOW -	CLAY			-
		6	12/24	12/26	12/26	12/29	3 MIN
		VIS OK	6-14'				
	4	VIS OK	6-12				-
	5	TOO	CLOSE	TO STREAM			X
	6	VIS OK	5-11'				
	8	VIS OK	6-12'				

REMARKS LOWEST HOLES NEAR CLOUD BLAIN/WETLAND (STREAM LOCATION IS NW),

TYPE OF SOIL

PRESUMABLY CREATED BY GRADING)

TESTED BY

C. WELLS

ALSO PRESENT

FOOTING CREW

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

3 MIN

TRENCH WIDTH

3

INLET DEPTH

5

MAXIMUM BOTTOM DEPTH

7

SQ. FT./BEDROOM

220

(EFFECTIVE @ 6' IN HIGH HOLE)

APPLICATION

PERCOLATION TESTING

A 39204

P _____

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

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION

SUBDIVISION BULLKISH MANOR LOT NO 55687

ROAD AND DESCRIPTION CENTENNIAL LA.

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

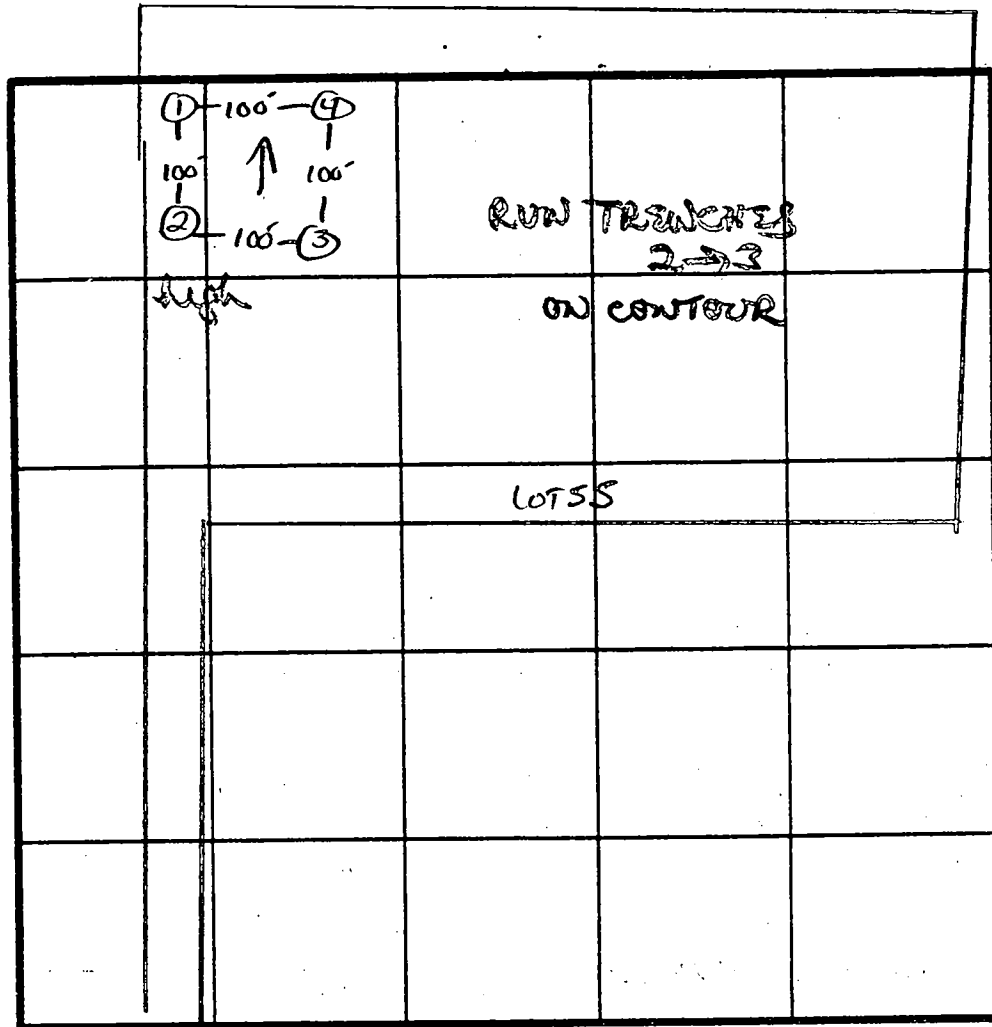
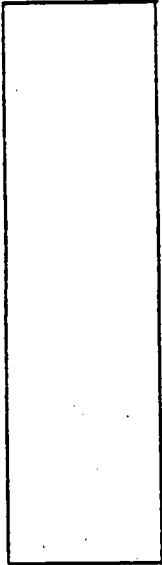
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 4-9-87 bec DANGEROUS; Hold for Subdivision plat 8th

THIS IS NOT A PERMIT

SOIL PROFILE

0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

7 PERC 5 MIN
180 #/BR
INLET 4"
BOTTOM 8"

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/9/87	1V	13' uniform soil below 4'					
	2S	4	2:12	2:13	2:13	2:16	3 min
	2V	12.5	uniform soil below 4'				
	3S	4.5	2:18	2:20	2:20	2:26	6 min
	3V	13'	uniform soil below 4'				
	4S	4.5	2:22	2:31	2:31	2:49	18 min
	4M	7.5	2:23	2:24	2:24	2:26	2 min
	4V	13' uniform soil below 4'					

REMARKS Holes Per Plot

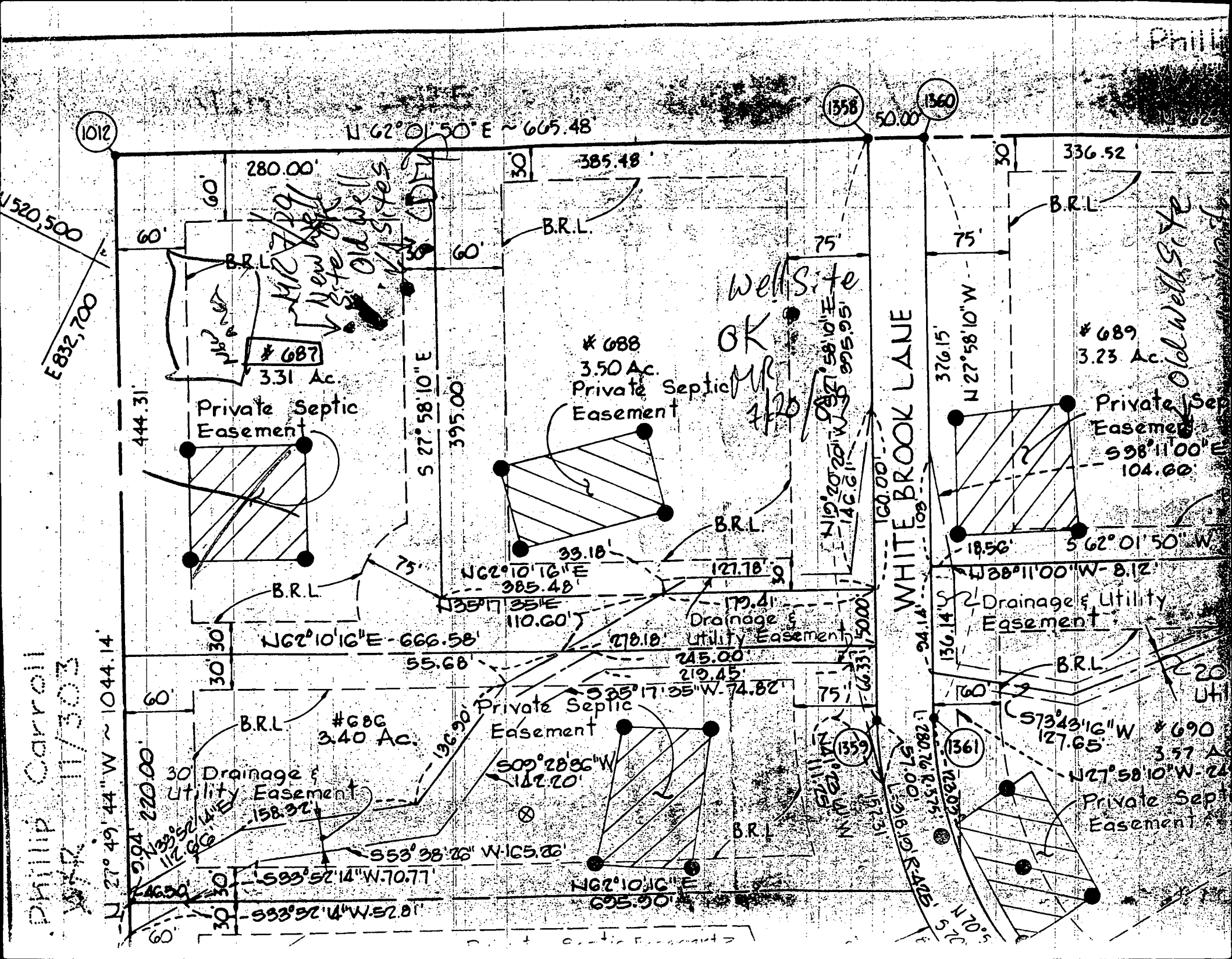
TYPE OF SOIL Chester Lom

TESTED BY S. Alul

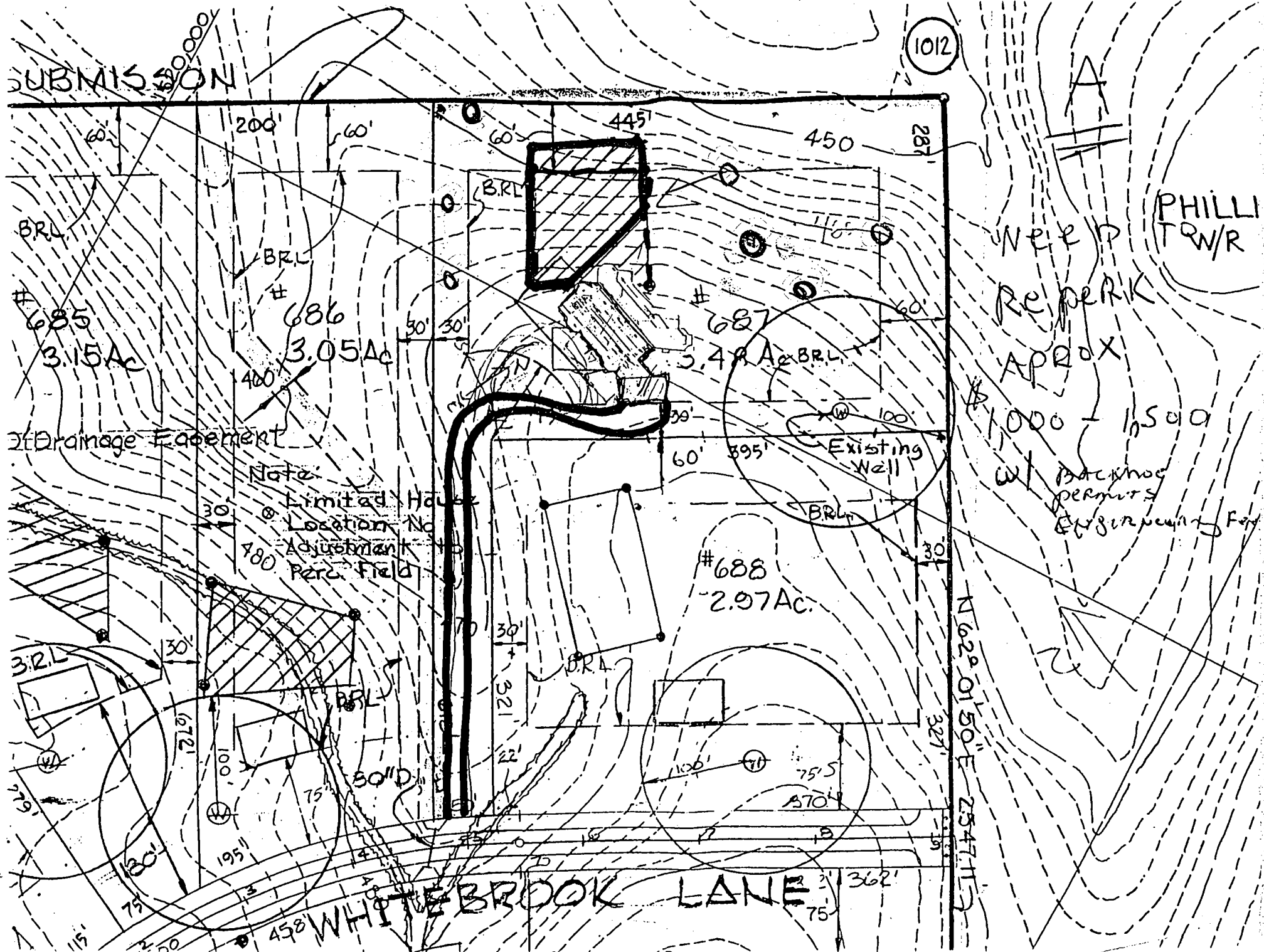
ALSO PRESENT SKIP/ Rocky, Bill

EH-12-1079


Philip Carroll
11/30/3



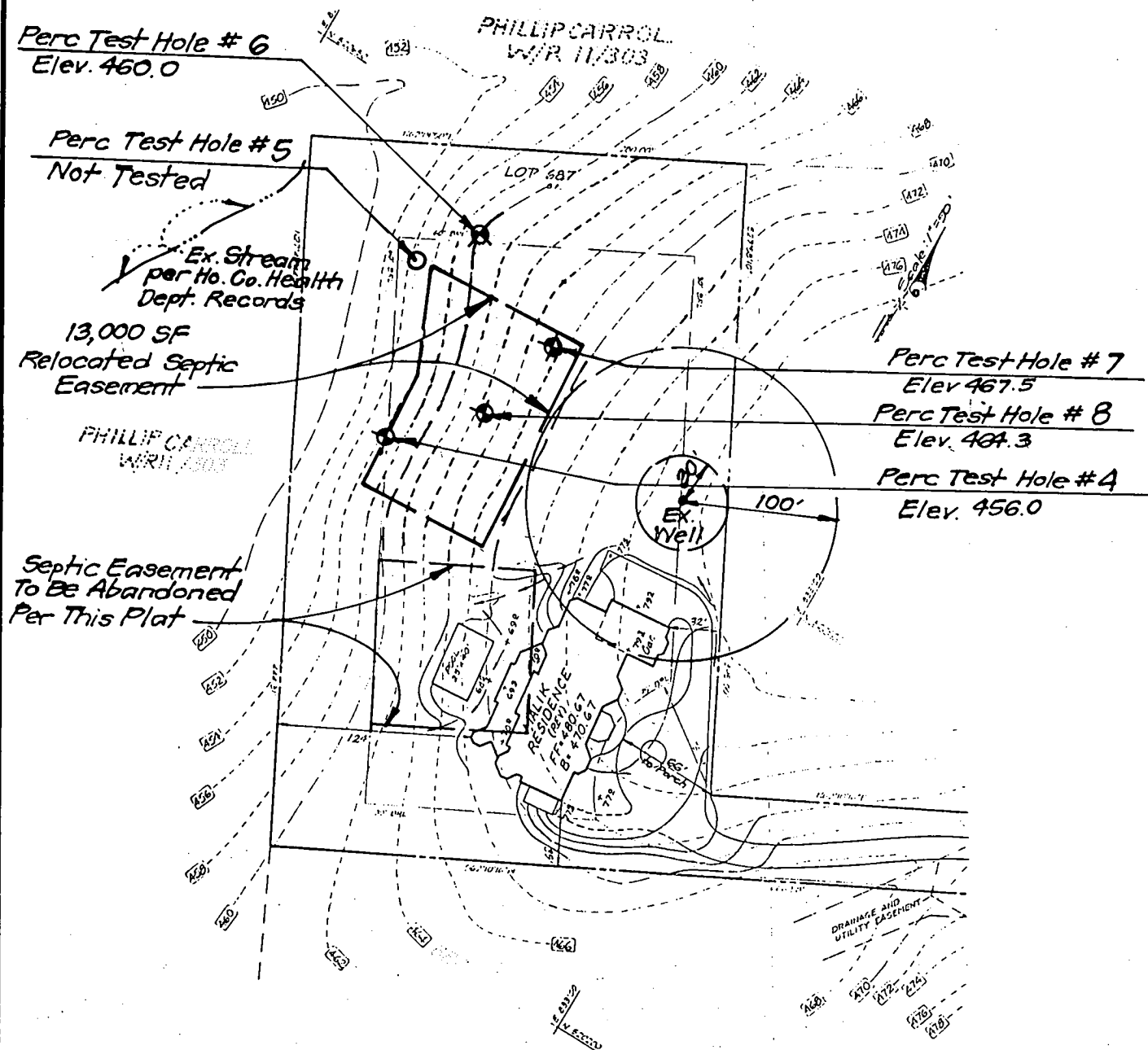
(1012




GENERAL NOTES

1. Percolation Test Holes were field located by Clark, Finefrock & Sackett Inc.
2.  This symbol denotes the Test Holes that have the percolation test dated, September 15, 1999.

PERCOLATION CERTIFICATION
PLAT NO. 8318
LOT 687
BURLEIGH MANOR
Tax Map 23 Parcel 290
(2nd) Second Election District
HOWARD COUNTY, MARYLAND




 This Area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

The Lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of the Environment.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: for Private Water and Private Sewage Systems.


COUNTY HEALTH OFFICER
DATE 10/4/99

FOR: GREENFIELD HOMES, INC.
6656 Southlawn Road
Rockville Md. 20850

CLARK, FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY COLUMBIA, MARYLAND 21045 TELEPHONE: BALT. (410)381-7500 • WASH. (301)621-8100	DRAWN BY: K.B.	DATE: 9-22-99	SCALE: 1"=100'
	CHECKED BY: J.M.E.	JOB NO.: 99-147	FILE NO.: 99-147-L
	DESIGNED BY: J.M.E.		

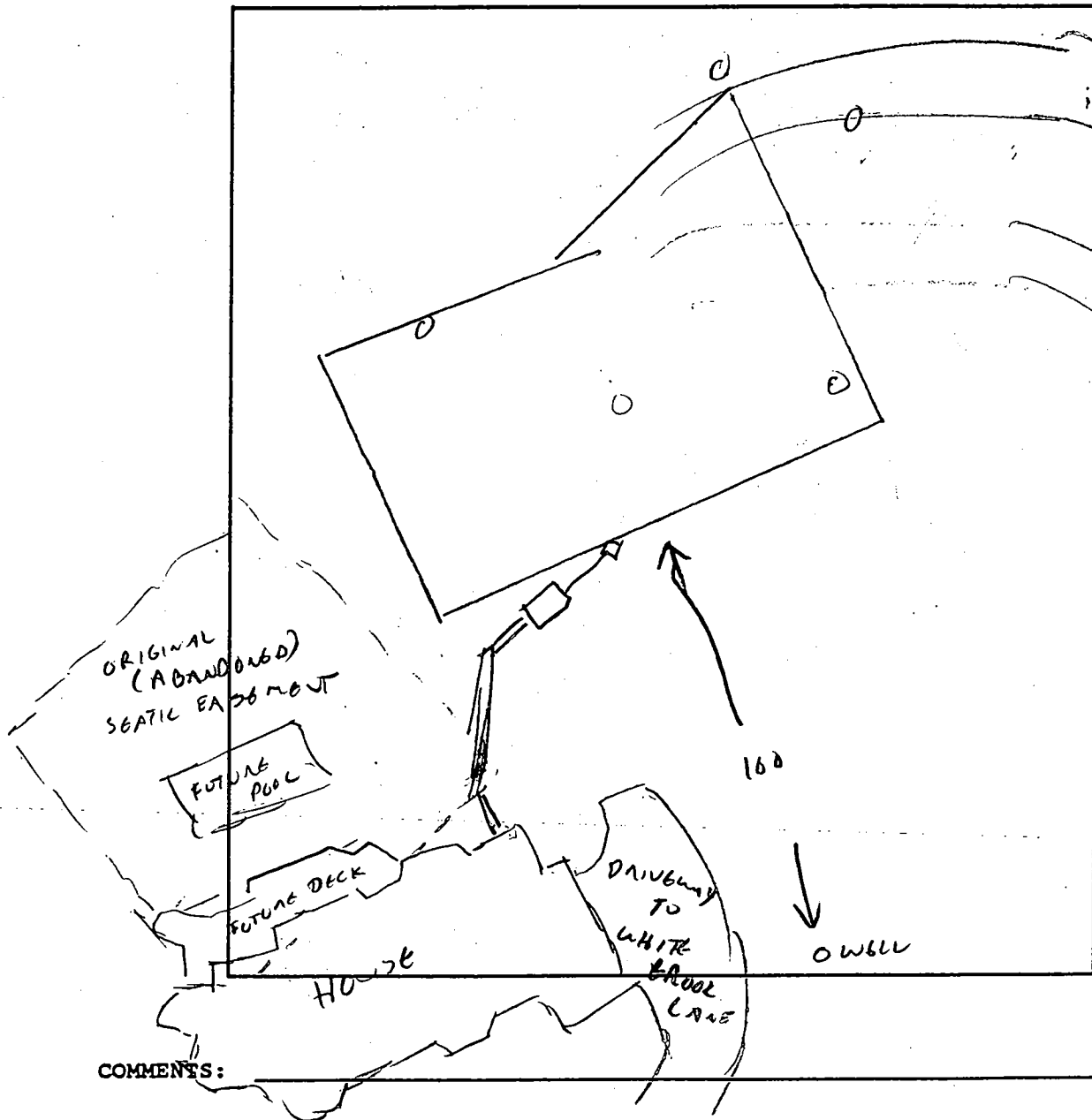
5671C

SITE INSPECTION SHEET

OWNER: MALIK/GREENFIELD HOMESDATE REQUESTED: 1/3/00ADDRESS: LOT 687 BURLIN MANOR
3886 WHITEBROOK LANEDRILLER/CONTRACTOR: FUGLE (CUT)WELL TAG NUMBER: N/A

TAX & PARCEL: _____

COUNTY: _____

PROPOSAL: 7 BR HOME - SITE INSP TO CONFIRM TRENCH LAYOUT DISCOVERSBASEMENT TOO DEEP (PIPING POURED IN FLOOR, 3' DEEP FOOTER) FOR INTENDEDGRAVITY BASEMENT SERVICE;LOCATION DIAGRAMBEDROOMS IN BASEMENT CONSTITUTE UNDECLARED BASEMENT APARTMENT (FULL KITCHEN)

COMMENTS: _____

SUGGESTED SOLUTION - SEPARATE SYSTEMS FOR FIRST FLOOR + BASEMENT"COMPACT INSTALLATION OF TROUCHES NOT AN ISSUE - AMPLE AREA EXISTS FOR EXPANSION
OF DECLARED EASEMENT.

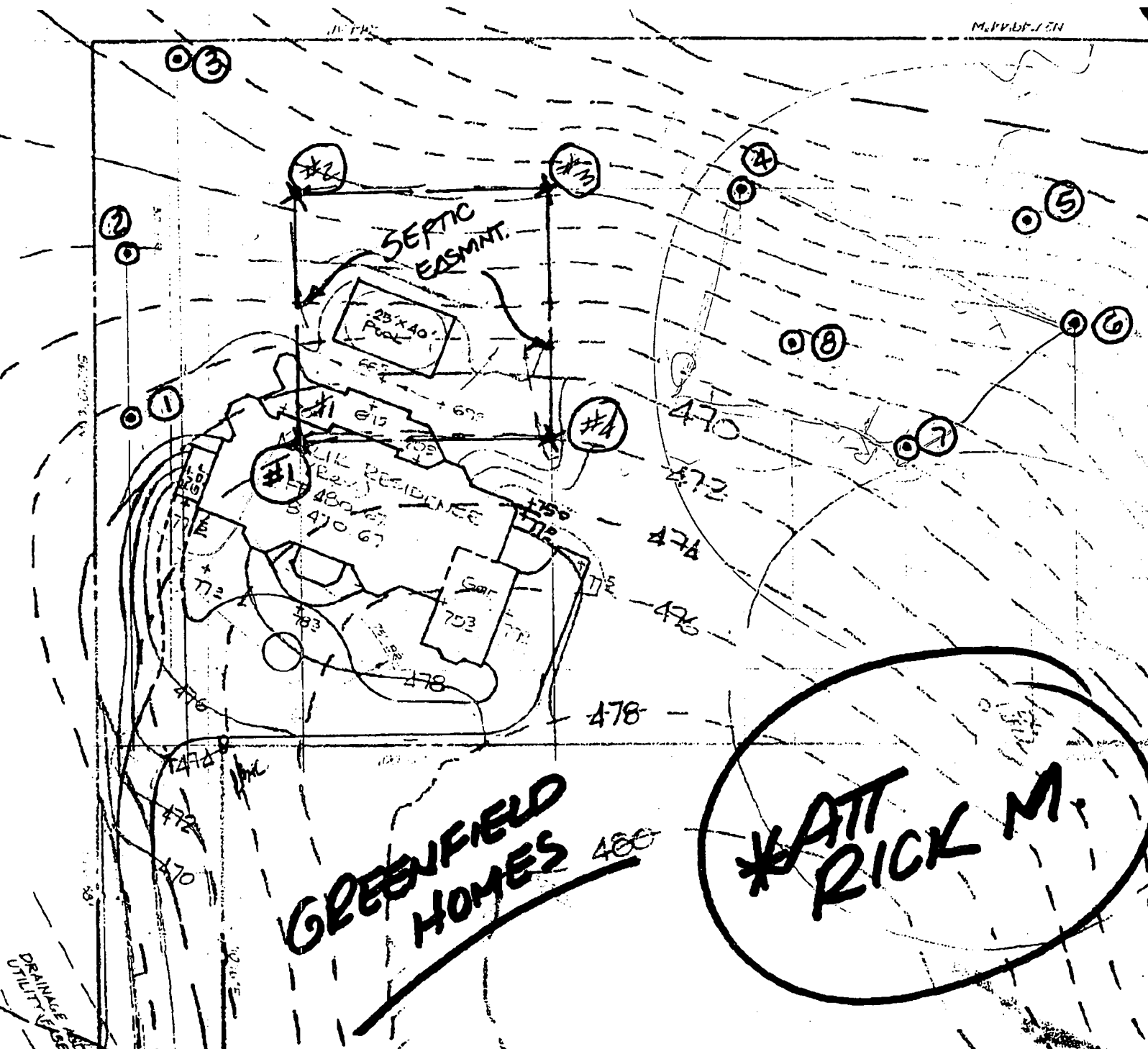
DATE: _____

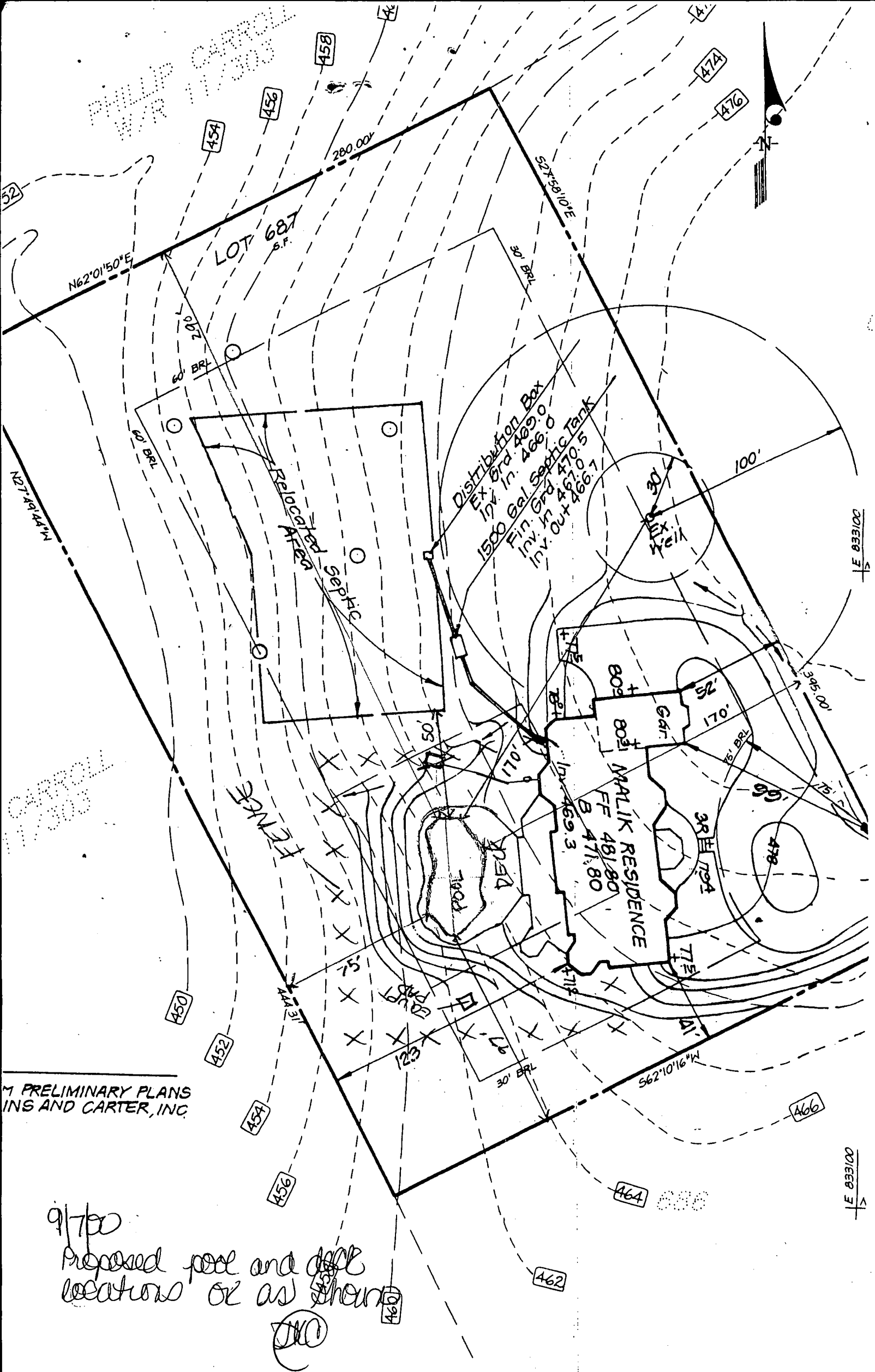
7/3/00

INSPECTOR: _____

CW* INSTALLATION OF HOUSE SEWER LINE SHOULD BE DELAYED UNTIL POOL CONSTRUCTION (TRAFFIC)
HAS BEEN COMPLETED.

M. V. D. J. EN





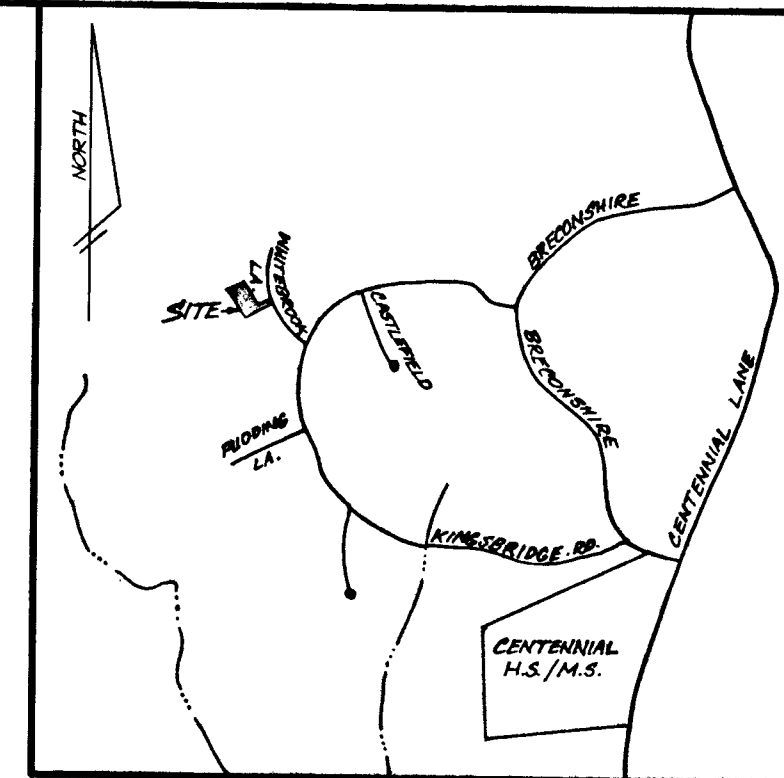
PRELIMINARY PLANS
 INS AND CARTER, INC.

9/7/00
 Proposed pool and deck
 locations as shown
 (initials)

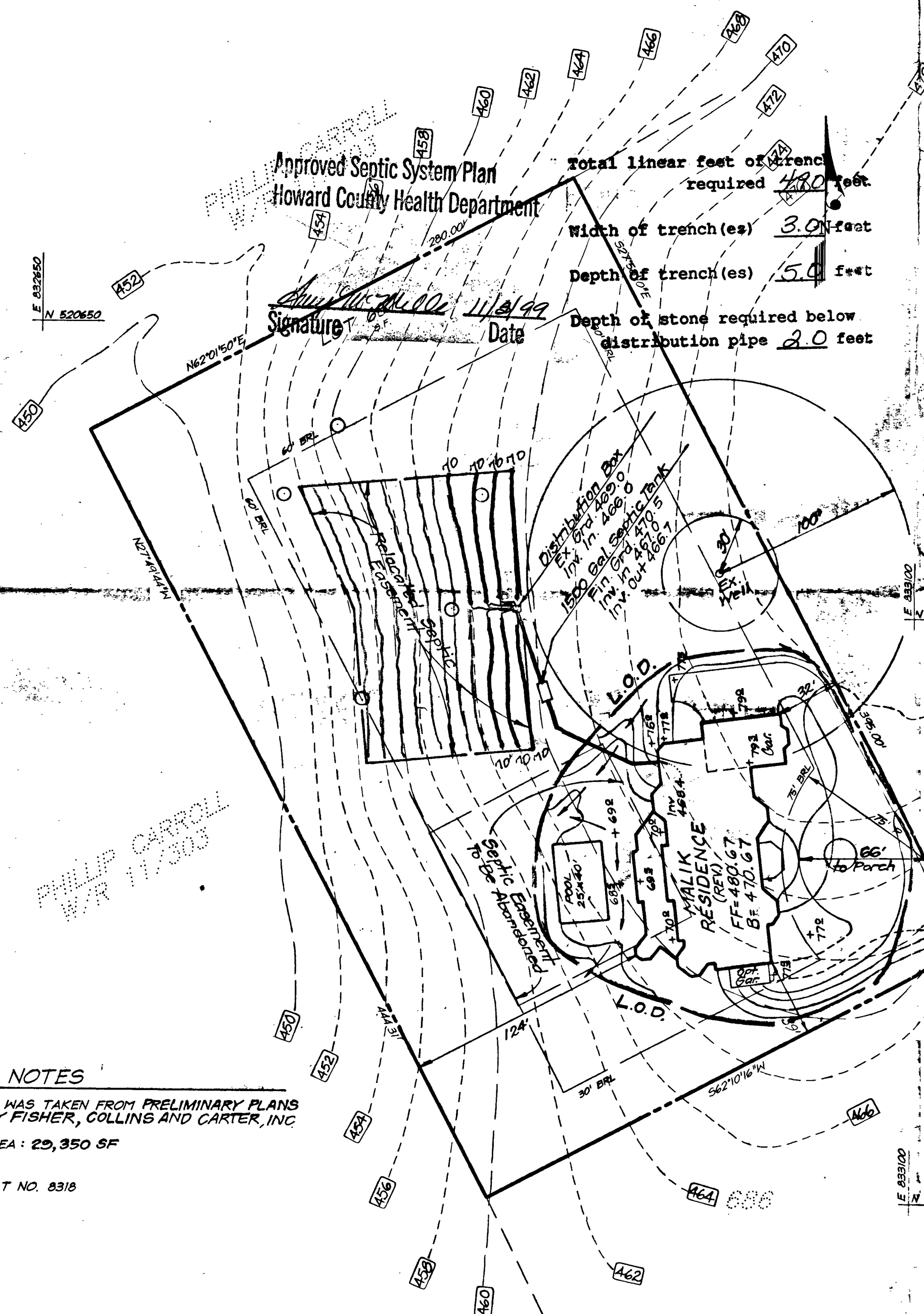
1	Rev. hse. location and
N/A	D1

LEGEND

CONTOUR INTERVAL 2 FT.
 EXISTING CONTOUR 2 FT.
 PROPOSED CONTOUR 2 FT.
 DIRECTION OF DRAINAGE 2 FT.
 WALK OUT BASEMENT 2 FT.
 SPOT ELEVATION 2 FT.
 Limit of Disturbance 2 FT.



VICINITY MAP
 SCALE: 1"=2000'



11/2/99
 Floor plans reviewed
 Basement - 2 bedroom apt - one
 labeled study but it has
 closet, bathroom & window
 and one entrance
 First floor - master bedroom
 2nd floor - 4 bedrooms
 Total = 7 bedrooms

A M. McLean

SEPTIC EASEMENT CAN HOLD
 1540' LINEAR FEET OF
 TRENCH. 1470' TOTAL
 LINEAR FEET OF TRENCH
 ARE NEEDED FOR
 3 TOTAL SYSTEMS

REPORTED THIS TO RICK
 MINOR OF GREENFIELD
 HOMES 11/3/99

GENERAL NOTES

- EXISTING TOPO WAS TAKEN FROM PRELIMINARY PLANS
 PREPARED BY FISHER, COLLINS AND CARTER, INC.
- DISTURBED AREA: 29,350 SF
- RECORDED PLAT NO. 8318



CLARK • FINEFROCK & SACKETT, INC.

ENGINEERS • PLANNERS • SURVEYORS

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

DESIGNED B.A.L.	SITE DEVELOPMENT PLAN LOT 687 BURLEIGH MANOR TAX MAP 23 PARCEL 290 SECOND (2nd) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1" = 50'
DRAWN K.B.		DRAWING 1 of 1
CHECKED B.A.L.		JOB NO. 99-147
DATE 9-23-99		FILE NO. 99-147

FOR: GREENFIELD HOMES
 6656 Southlawn Lane
 Rockville, MD 20850