

03-311341

LAYOUT 2:15 pm 6/17 INSP 4 _____
INSP 2 6/18 12:30 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 5/16/2003
APPROVAL DATE: 6/18/03

**PERMIT
INDEXED**

P 5189⁷2
A 34720

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Rd, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Lichendale Farms LOT NUMBER: 7

ADDRESS: 2810 Pfefferkorn Road PROPERTY OWNER: D R Horton

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240

| | |
|-----------|---|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe. |
| LOCATION: | Place the distribution box in the center of the septic easement between the two upper corner easement stakes. Run trenches on contour in both directions. |
| NOTES: | |

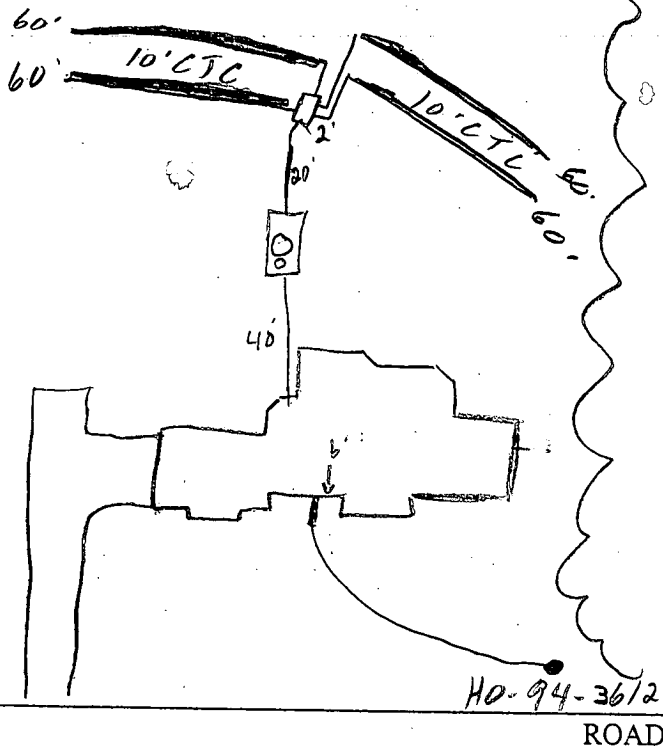
PLANS APPROVED: Brian Baker DATE: 1/30/2003

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A34720

NOT TO SCALE
Pine trees



| TRENCH/DRAINFIELD DATA | | |
|-------------------------|-------|-------------------------------------|
| WIDTH | INLET | BOTTOM |
| 3' | 3' | 5' |
| NUMBER OF TRENCHES | | 4 |
| TOTAL LENGTH | | 240' |
| ABSORPTION AREA | | 720 4 |
| DISTRIBUTION BOX LEVEL | | <input checked="" type="checkbox"/> |
| DISTRIBUTION BOX BAFFLE | | <input checked="" type="checkbox"/> |
| DISTRIBUTION BOX PORT | | <input type="checkbox"/> |

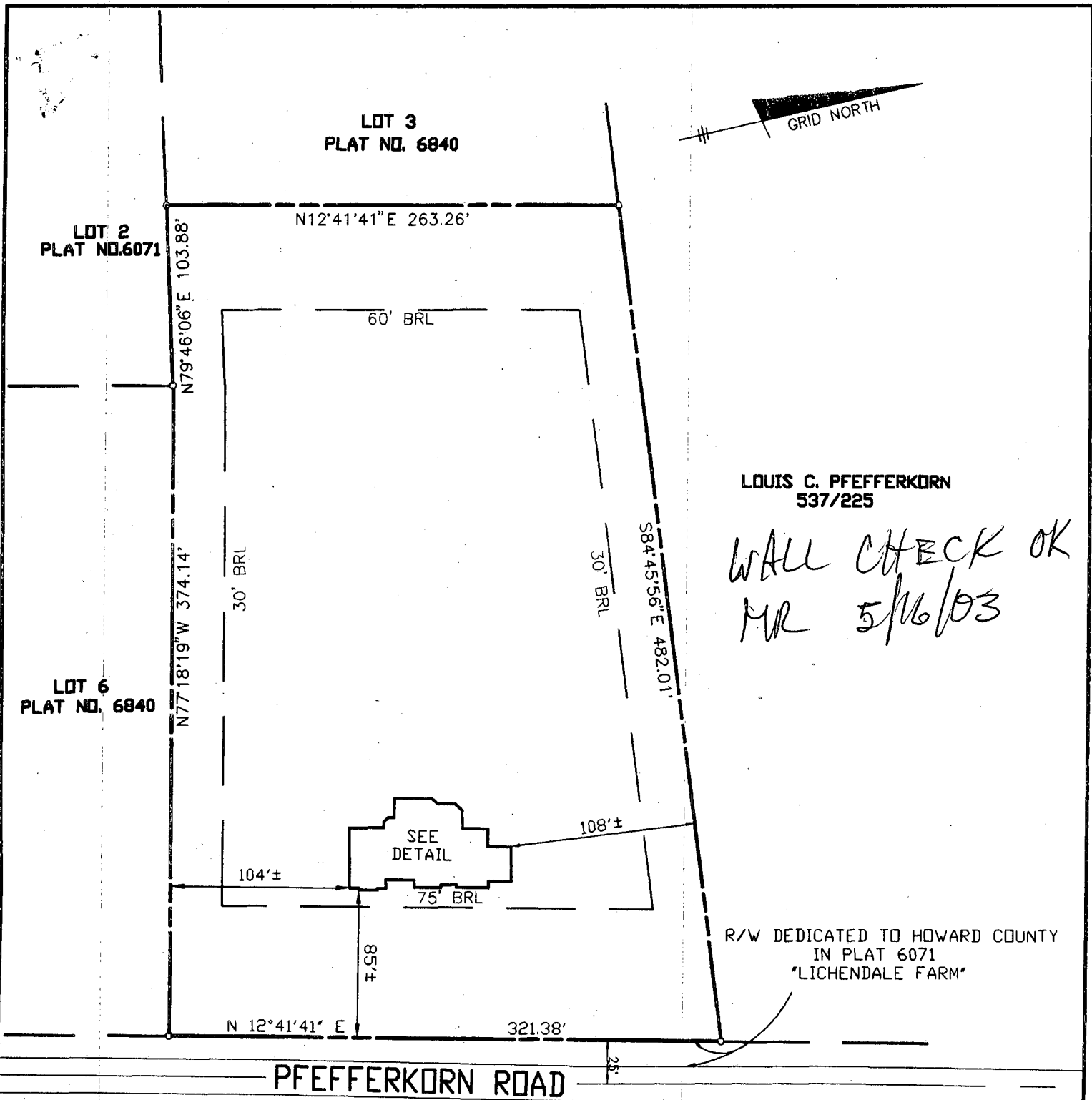
| SEPTIC TANK DATA | |
|---------------------|-------------------------------------|
| SEPTIC TANK 1 LEVEL | yes |
| CAPACITY | 1250 GAL |
| SEAM LOC | Top |
| TANK LID DEPTH | 3' |
| BAFFLES | <input checked="" type="checkbox"/> |
| BAFFLE FILTER | No |
| MANHOLE LOC | Middle |
| 6" PORT LOC | Front |
| WATERTIGHT TEST | No |
| SEPTIC TANK 2 LEVEL | N/A |
| CAPACITY | GAL |
| SEAM LOC | |
| TANK LID DEPTH | |
| BAFFLES | |
| BAFFLE FILTER | |
| MANHOLE LOC | |
| 6" PORT LOC | |
| WATERTIGHT TEST | |

PRE-CONSTRUCTION 6/17/03 SDA stated. Tops accurate. Running 4-60' trenches (it fits). OK TO START TRENCHES. (KN)

INSTALLATION 6/18/03 - 3 trenches installed (SO)

6/18/03 OK to cover all work (SO)

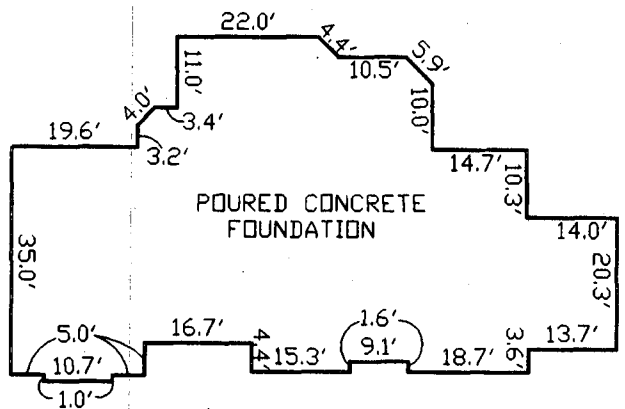
FINAL INSPECTOR [Signature] DATE OF APPROVAL 6/18/03



FIRST FLOOR ELEVATION = 551.9'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 04/23/03; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY TRACY, SCHULTE AND ASSOCIATES, INC. ENTITLED "LICHENDALE FARM SECTION 1 AREA 1", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. C.M.P. 6840



FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK

**LICHENDALE FARM
 SECTION 1 AREA 1
 LOT No. 7**

2810 PFEFFERKORN ROAD
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 80' DATE: 04/23/03

David M. Harris
 DAVID M. HARRIS
 REGISTERED PROFESSIONAL LAND SURVEYOR
 MD REG. No. 10978
 FOR BENCHMARK ENGINEERING, INC.
 MD REG. No. 351
 RECORD PLAT No. C.M.P. 6840
 FEMA FIRM No. 240044 0015 B
 ZONE: C
 DATED: 12/04/86

**BENCHMARK
 ENGINEERING, INC.**
 ENGINEERS • LAND SURVEYORS • PLANNERS

8480 BALTIMORE NATIONAL PIKE • SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-5105 • fax: 410-465-6644
 email: Benchmrk@aol.com



N12°41'41"E 263.26'

524

S84°45'56" E 482.01'

+544

Date 1/30/03
Signature *James Babian*

30' BRL

Proposed Septic System Plan
Howard County Health Department
LOT 7

344.3'

60' BRL

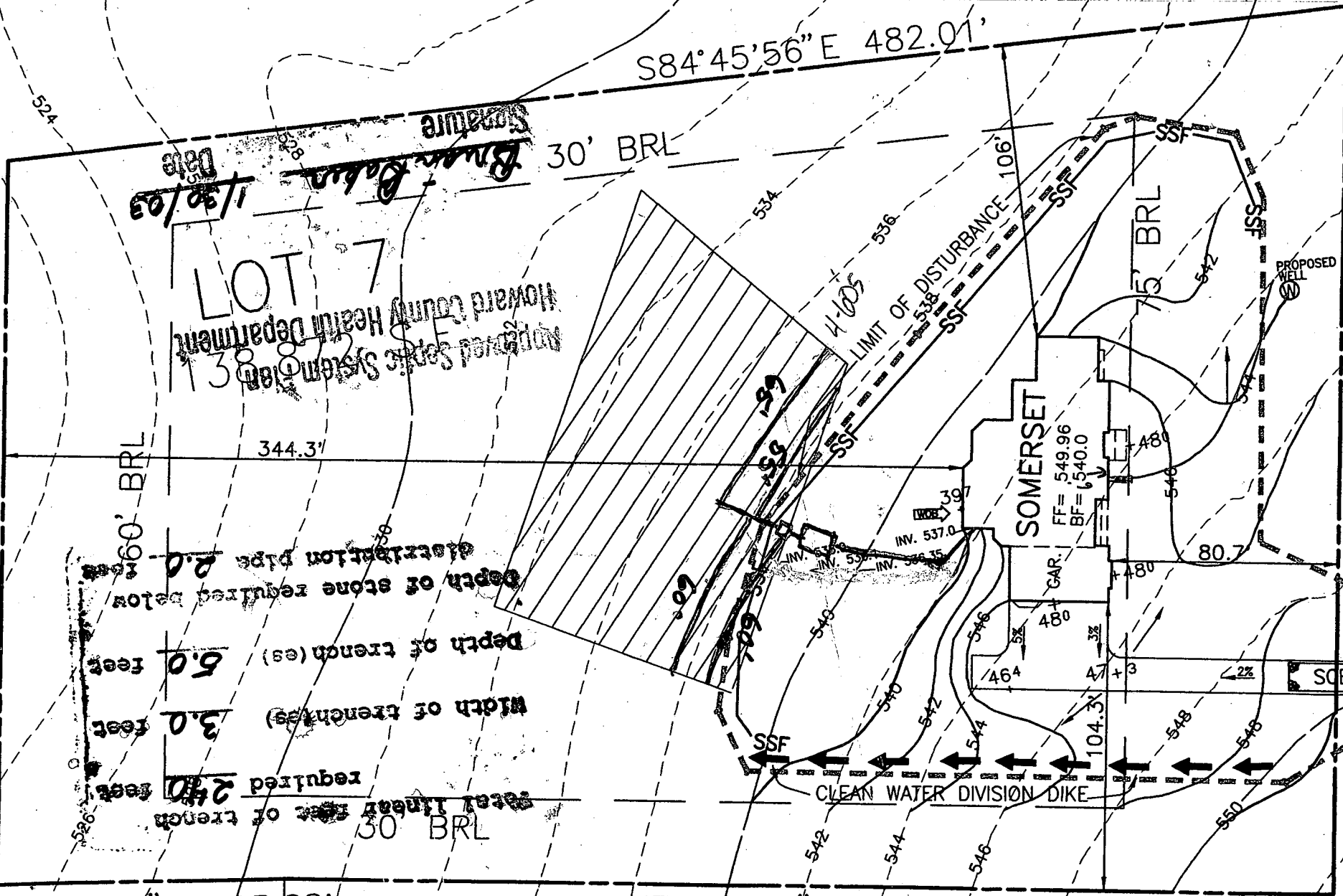
Total Linear Feet of Trench required 240 feet
Width of trenches) 3.0 feet
Depth of trench(es) 5.0 feet
Depth of stone required below distribution pipe 2.0 feet

30' BRL

N79°46'06" E 103.88'

N77°18'19" W 374.14'

S12°41'41" W 321.38'



SOMERSET
FF = 549.96
BF = 540.0

CLEAN WATER DIVISION DIKE

104.3'

PROPOSED WELL

SC

524

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Fogles Well Drilling Telephone #: 410-795-5670
Address: 580 Obrecht Rd
Sykesville, Md 20854

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): Allen Compton License# MSD 009

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: D. R. Horton Telephone #:
Subdivision: Lichendale Farm Lot #: 7 Well Tag #: HO-94-3612
Site Address: 2810 Pfefferkorn Rd.

Submersible Pump Data

Make: Goulds
Model #: 7LS07
Pump Capacity: 7 GPM
Well Yield: 4 GPM

Pitless Adapter

Make: Cornwall
Model#: N/A
Depth: 36 (36" min)
NSF approved: yes

Well Cap and Electric Conduit

Two piece watertight cap: yes
Screened, vented well cap: yes
Cap secured to casing: yes
Conduit min 18" B.G.: yes
Conduit secured to well cap: yes

Depth of well encountered at time of pump installation: 300 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt N/A

Piping to house

Type: 1" Black Plastic
PSI: 160 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: yes
Approximate length of sleeve: 5
Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 5-28-03

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 5/21/03 Date Insp. Approved: 5/21/03 (50) SRM

- Inspection Data: Pitless adapter and water supply line at least 36" below grade
- Two piece cap installed and attached to casing securely
- Elec. conduit extends at least 18" below grade/attached to cap properly
- Safety rope installed inside of well casing
- Correct well tag attached properly and casing 8" above finished grade
- Water supply line sleeved adequately at house connection
- Adequate grout observed below pitless adapter

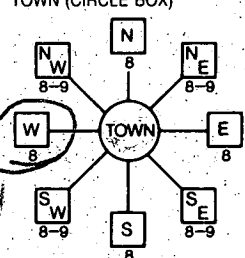
Recpr 18008

B 1 **6300** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER
 1 2 3 6 70 71 72 73 74 75 76 77 78 79
 W518008 please type HO-94-3612
 fill in this form completely

Date Received (APA) 11/25/02 OWNER INFORMATION
 8 MM DD YY 13
DR Horton
 15 Last Name Owner First Name 34
1370 Piccard Dr Suite 230
 36 Street or RFD 55
Rockville md 20850
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
 8 COUNTY Howard 21
Lakendale Farm
 23 SUBDIVISION 42
 SECTION 1 LOT 7
 44 46 48 50
West Friendship
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 5 M I
 73 76 77 78

DRILLER INFORMATION
Allen Compton M S D 009
 Driller's Name 76 License No. 81
Eagles Well Drilling
 Firm Name
580 Obrecht RD
 Address
Bill GJA 11-22-02
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 1 2
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 11 NEAR WHAT ROAD Pfeferkorn RD (2810) 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W
 EAST E
 SOUTH S
 34 37
 DISTANCE FROM ROAD F+
 ENTER FT OR MI 38 39
 TAX MAP: 15 BLK: 13 PARCEL 168

B 2 WELL INFORMATION
 1 2 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)
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 GEO-THERMAL

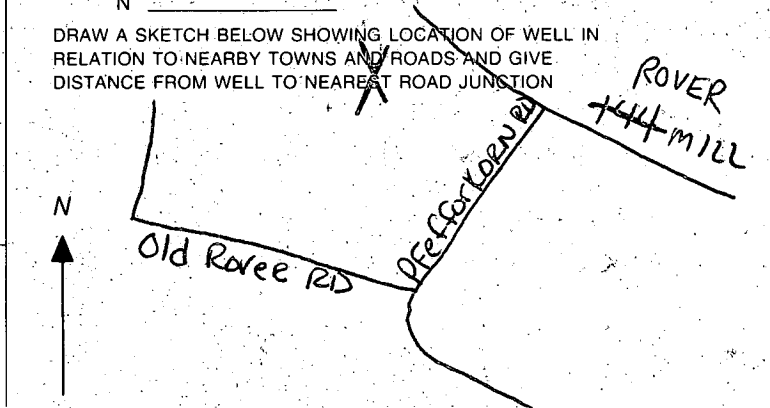
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
13 Howard A3472013
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE INSERT S →
 DATE ISSUED 12/13/02 AC [Signature] 12/17/03
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 NORTH GRID 531 0 0 0 EAST GRID 1801 0 0 0
 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
 24 28

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
118103 2130-3
 SOURCES OF DRILLING WATER
 1. No Test
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 801
 N 531
 000 000

APPROXIMATE 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)
 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) 41 _____ 52



Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. HO-94-3612
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
 NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 34720

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 3rd

DATE 12/28/84

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 STEVEN K. BREEDEN (CONTRACT PURCHASER)

ADDRESS Box 417 ELLICOTT CITY MD 21043 PHONE 465-4244

PROPERTY LOCATION:

SUBDIVISION LECHENDALE FARM SECTION 1, AREA 1 LOT NO. 7

ROAD AND DESCRIPTION PFEFFERKON ROAD BETWEEN OLD ROVER ROAD + ROVER NEW ROAD

SIZE OF LOT 3.188 AC ± TYPE BLDG. RESIDENCE 3-BR.
(NUMBER OF BEDROOMS)

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. St K Bred 12-28-84
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Trench DATE 2-14-85

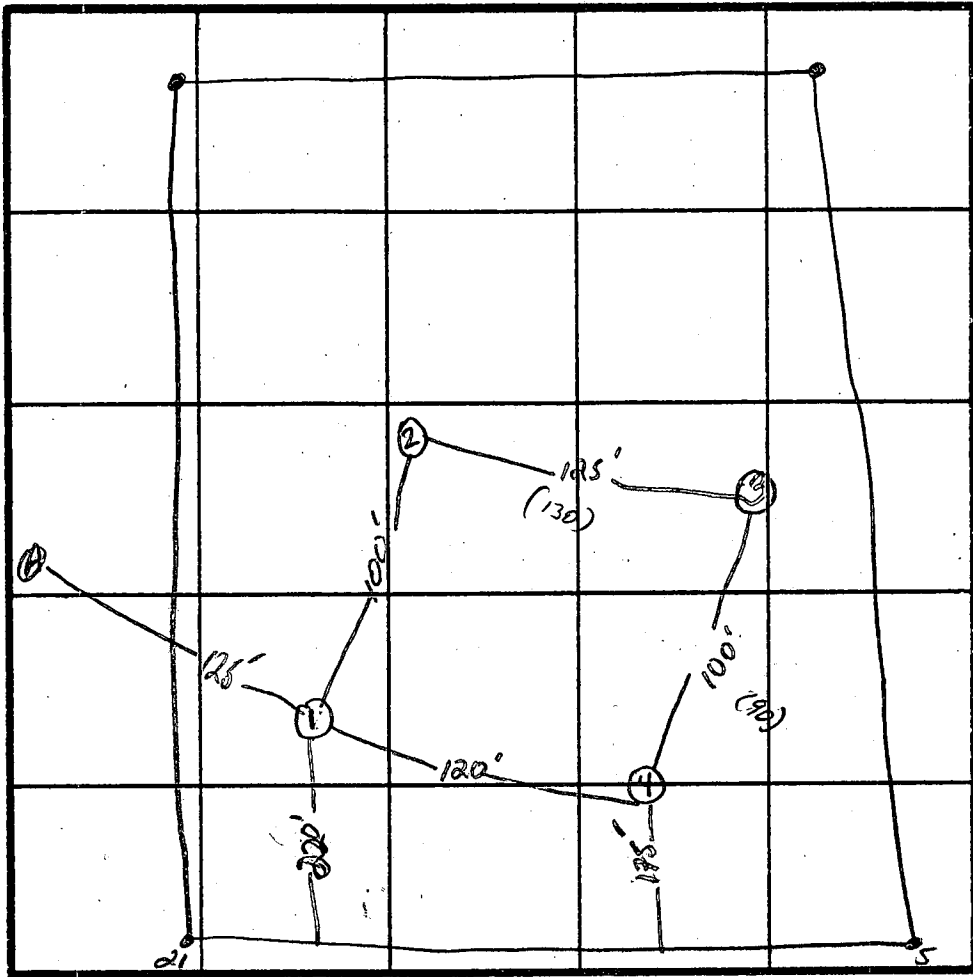
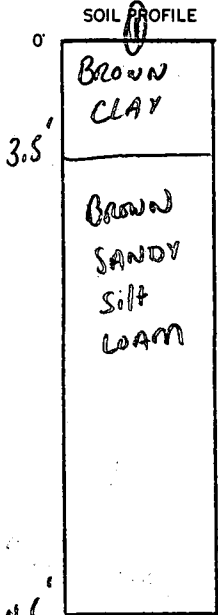
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

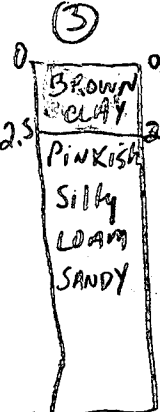
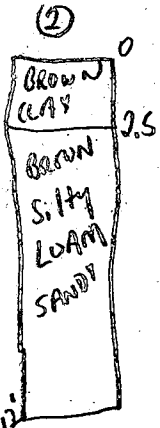
REASONS FOR REJECTION OR HOLDING 1/11/85 - PERC OR HOLD FOR CERTIFIED
PLAT R/H & SA

THIS IS NOT A PERMIT

A = 1005 LOT 6



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
PFEFFERKORN RD.



| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|---------|----------|-------|------------------------------|------|--------------------------|----------|------|
| | | | START | STOP | START | STOP | |
| 11/1/85 | 1S | 3' | 1:44 | 2:00 | NO MOVEMENT | 1ST INCH | 9min |
| | 1M | 8' | 1:46 | 1:51 | 1:51 | 2:00 | |
| | 1V | 11.5' | LOOKS GOOD AT 11 FEET | | NO H ₂ O | | |
| 11/1/85 | 2S | 3' | 1:53 | 2:10 | 2:10 | 2:19 | 9min |
| | 2V | 12' | LOOKS GOOD TO 12' | | NO H ₂ O SEEN | | |
| | 1S1 | 4' | 2:04 | 2:10 | 2:10 | 2:16 | 6min |
| | 3S | 3.5' | 2:14 | 2:17 | 2:17 | 2:22 | 5min |
| | 3V | 11' | LOOKS OK TO 11' UNIFORM SOIL | | FROM 3-11 FT. | | |
| 11/1/85 | 4S | 3.5' | 2:30 | 2:33 | 2:33 | 2:37 | 4min |
| | 4V | 12' | LOOKS GOOD - UNIFORM SOIL | | NO H ₂ O SEEN | | |

9
9
6
5
6
133
X = 7min

REMARKS _____

TYPE OF SOIL _____

TESTED BY Sid Abel / Ray Hodges

ALSO PRESENT Ken Hatfield BACK HOE
St. Paul BEYER

APPLICATION

SEWAGE DISPOSAL TESTING

A 34720

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 3rd

DATE 12/28/84

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 Steven K. Breeden (Contract Purchaser)

ADDRESS P. O. Box 417 Ellicott City, Maryland 21043 PHONE 465-4244

PROPERTY LOCATION:

SUBDIVISION Lichendale Farm, Section 1, Area 1 LOT NO. 7

ROAD AND DESCRIPTION Pfefferkorn Road between Old Rover Road & Rover Mill Road

SIZE OF LOT 3.188 Acres TYPE BLDG. 3 or 4 bedrooms
(NUMBER OF BEDROOMS)

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 _____

THIS IS NOT A PERMIT

SOIL PROFILE

0'

| | | | | |
|--|--|--|--|--|
| | | | | |
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INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

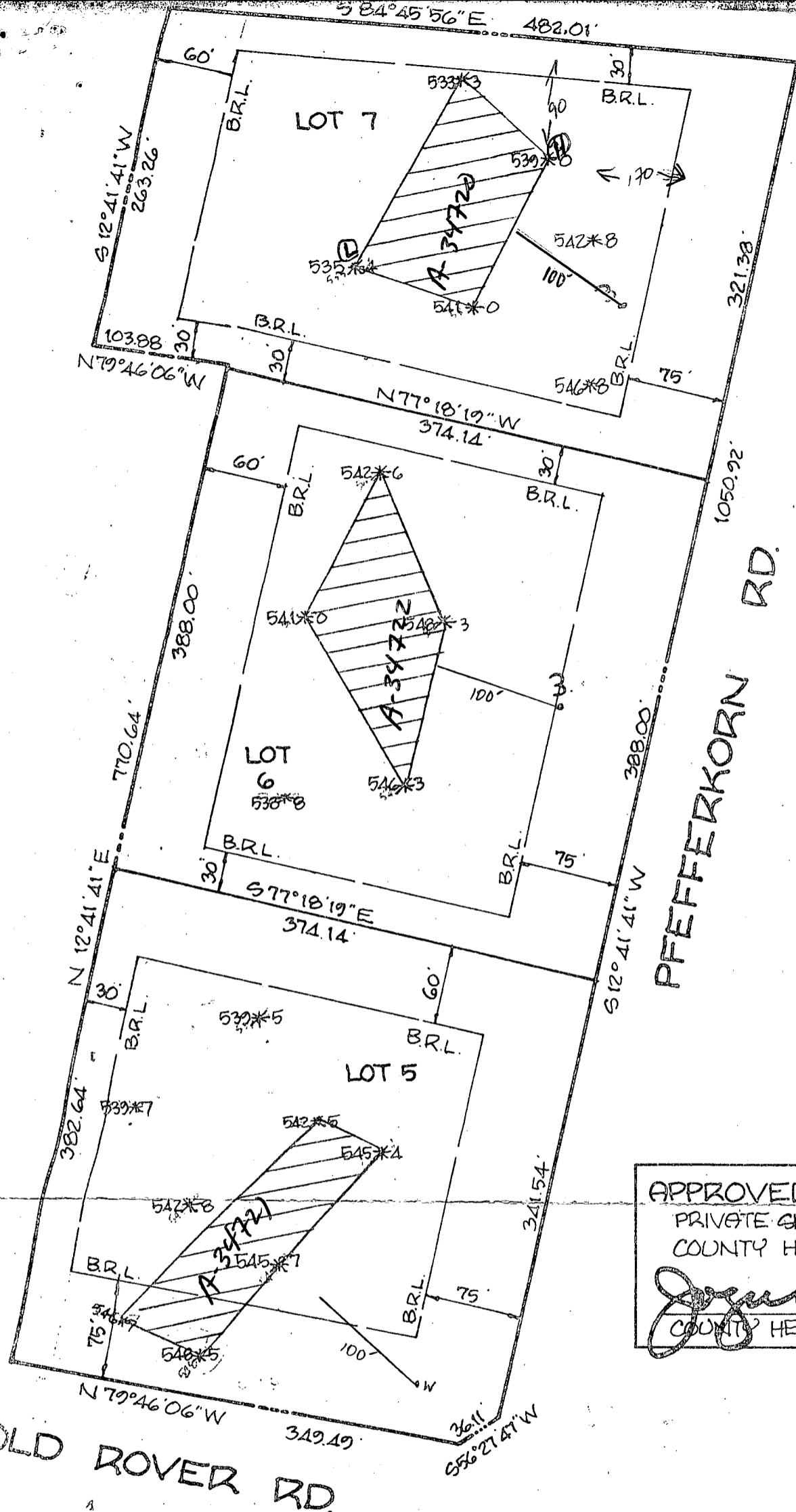
| DATE | TEST NO. | DEPTH | PRE-WET | | TEST - 1" DROP | | TIME |
|------|----------|-------|---------|------|----------------|------|------|
| | | | START | STOP | START | STOP | |
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REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH-12-1079



APPROVED: FOR PRIVATE WATER
 PRIVATE SEWAGE SYSTEMS, HOWARD
 COUNTY HEALTH DEPARTMENT.

James W. ...
 COUNTY HEALTH OFFICER

1/25/85

OLD ROVER RD.

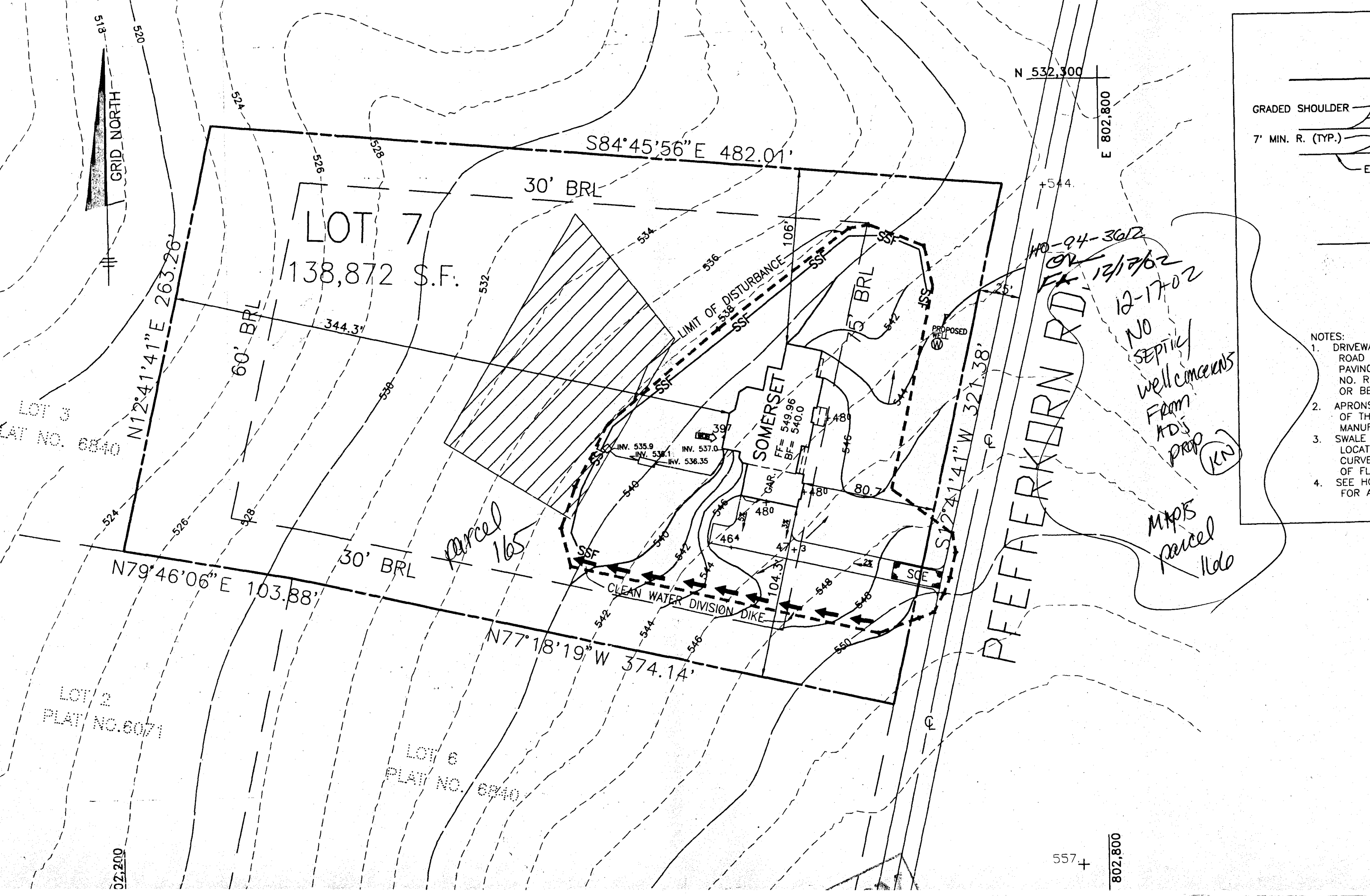
FIELD-LOCATED PERC TEST ELEVATION

HEREON COMPLY WITH THE
 REQUIREMENTS FOR PERC TEST PLAT
 AS REQUIRED BY THE MARYLAND STATE DEPT. OF
 HEALTH AND HYGIENE.

NOTES: A PRIVATE SEWAGE EASEMENT
 IS REQUIRED BY THE MD. STATE DEPT.
 OF HEALTH AND HYGIENE FOR INDIVIDUAL
 SEWERAGE IMPROVEMENTS (SIS). THIS
 EASEMENT IS RESTRICTED UNTIL PUBLIC SEWER

FIELD-LOCATED PERC TEST PLAT
 LICHENDALE FARM
 SEC. 1, AREA 1, LOTS 5, 6,
 A RESUBDIVISION OF LOT 4 (PLAT #
 3RD ELECTION DISTRICT HOWARD CO.)
 SCALE: 1" = 100' DATE: 1/21/1985





N 532,300

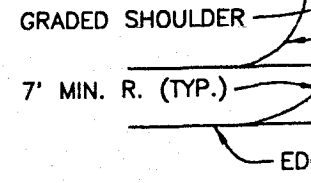
E 802,800

+544.

NO-94-3012
OR 12/17/02
12-17-02

NO SEPTIC
well concerns
FROM
AD'S
PROP (KN)

MAP'S
parcel
1166



- NOTES:
1. DRIVEWAY ROAD TO PAVING NO. R-OR BET
 2. APRONS OF THE MANUFACTURE
 3. SWALE LOCATED CURVE OF FLOW
 4. SEE HOW FOR AC

518

520

524

526

528

532

534

536

538

540

INV. 535.9

INV. 538.1

INV. 537.0

INV. 536.35

SOMERSET
FF= 549.96
BF= 540.0

480

480

464

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N79°46'06" E 103.88'

30' BRL

N77°18'19" W 374.14'

CLEAN WATER DIVISION DIKE

S12°41'41" W 321.38'

PREFFERKORN RD

LOT 3
PLAT NO. 6840

LOT 2
PLAT NO. 6071

LOT 6
PLAT NO. 6240

LOT 7
138,872 S.F.

60' BRL

30' BRL

75' BRL

02,200

557+

802,800