

PERMIT

P 46922

SEWAGE DISPOSAL SYSTEM

A REPAIR

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-344131

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 3/18/91

BUREAU OF ENVIRONMENTAL HEALTH

DATE SYSTEM APPROVED 3/20/91

461-9933

INDEXED

INSPECTOR M. R. PETER

Donald G. Parlette

IS PERMITTED TO INSTALL _____ ALTER

ADDRESS 6575 Route 32, Clarksville, Maryland 21029 PHONE 531-2140

SUBDIVISION _____ LOT _____ ROAD 5348 Greenbridge Road

PROPERTY OWNER Sandra M. Bridges ~~Mr. & Mrs. Larry Ennis~~

ADDRESS ~~Sandra Bridges~~ Larry Ennis

SEPTIC TANK CAPACITY ? GALLONS

NUMBER OF BEDROOMS 3

BUILDING PERMIT SIGNED

AND RETURNED 4-11-92

B00135423 - SCREEN POOL

Add Con - Bldg. BALK & T.F.
BLDG. PERMIT SIGNED
AND RETURNED 9-26-95
Serial # 61712

125 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 3.8'

REPAIR - TO REPAIR DRAIN FIELD AND SEPTIC TANK. CALL FOR INSPECTION WHEN GROUND IS OPENED SO SANITARIAN CAN RECOMMEND REPAIR.

INLET 3' BOTTOM 13' 10" STONE

BLDG. PERMIT SIGNED
AND RETURNED 10-2-96

BUILDING PERMIT SIGNED
AND RETURNED 11-15-82

BLDG. PERMIT SIGNED
AND RETURNED 4-27-96

Serial # B0114106
air pick

B00139325 - AG PROPANE TANK

Serial # B0101828
above ground pool

PLANS APPROVED BY Craig Williams cm DATE 03/18/91

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 BUILDING EXCEPT AS AUTHORIZED

BUILDING PERMIT SIGNED
AND RETURNED

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES) 10/3/02 B00138732 INGROUND POOL

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

BLDG. PERMIT SIGNED
AND RETURNED 10/23/92

PERMIT VOID AFTER TWO YEARS

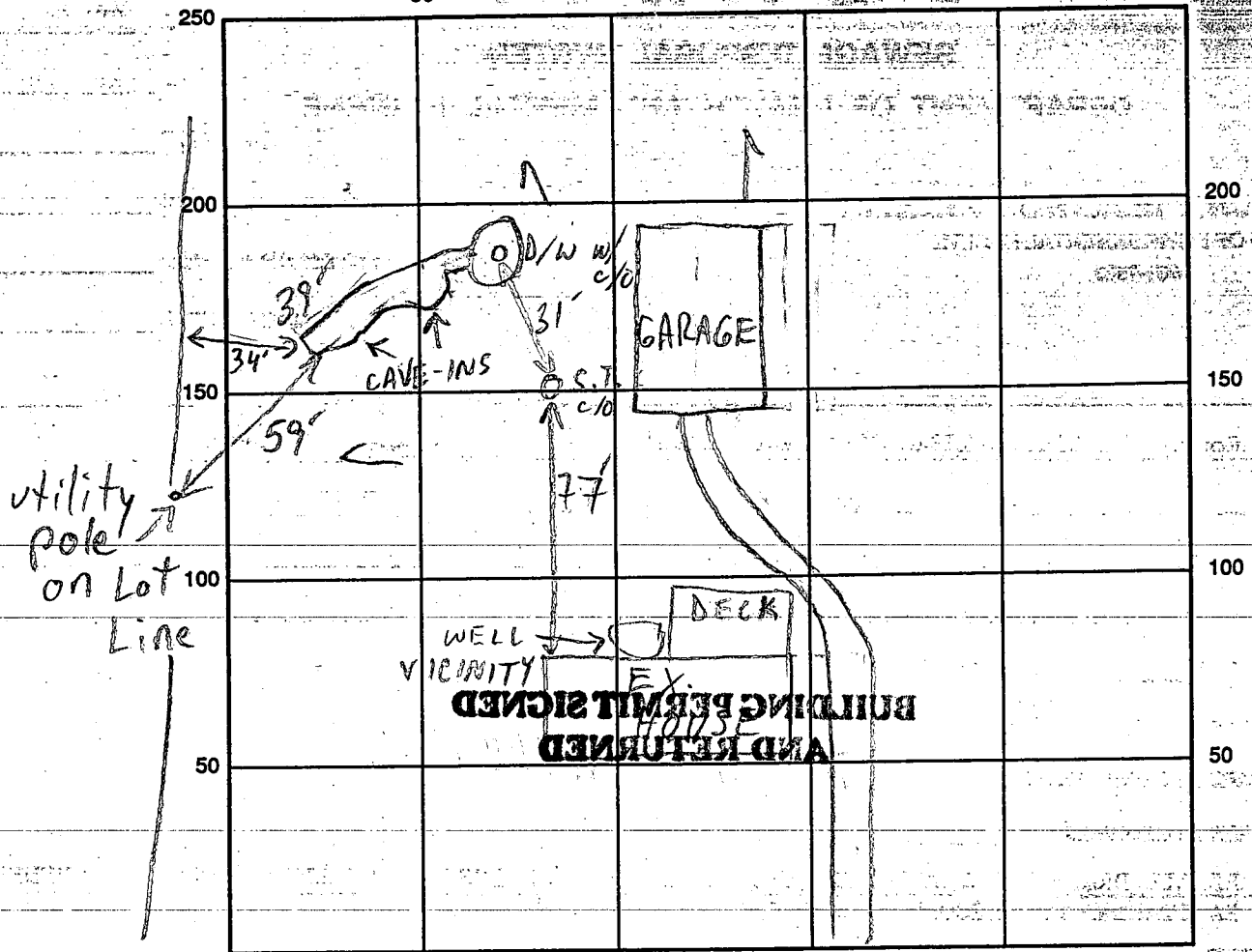
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

Serial # 45929 -
addition

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

P
A
46922



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
GREEN BRIDGE RD

SEPTIC TANK LEVEL OK BUILDING PERMIT SIGNED AND RETURNED

DISTRIBUTION BOX LEVEL — AND RETURNED

DRAIN FIELD/TITLE DEPTH 13 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 10 FT. TOTAL LENGTH 39 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL/BOTTOM AREA 390+ SQ. FT.

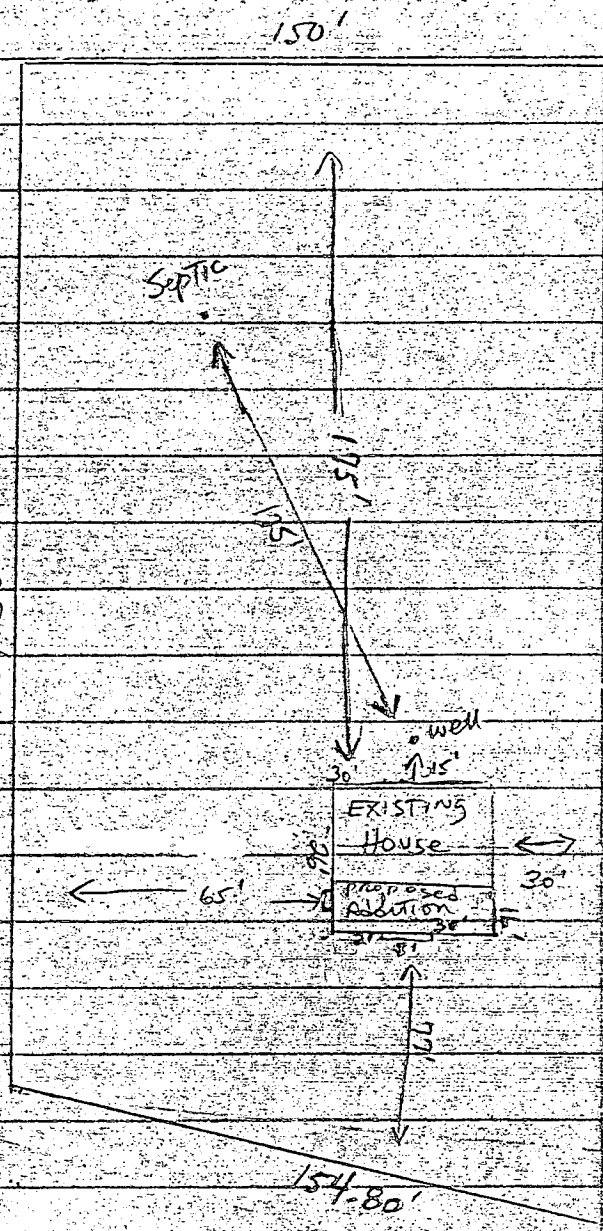
DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 3/21/91 #1 OK TO CONTINUE MR

3/21/91 #2 OK TO FINISH + COVER

DATE SYSTEM APPROVED 3/21/91 INSPECTOR M. Ripkin



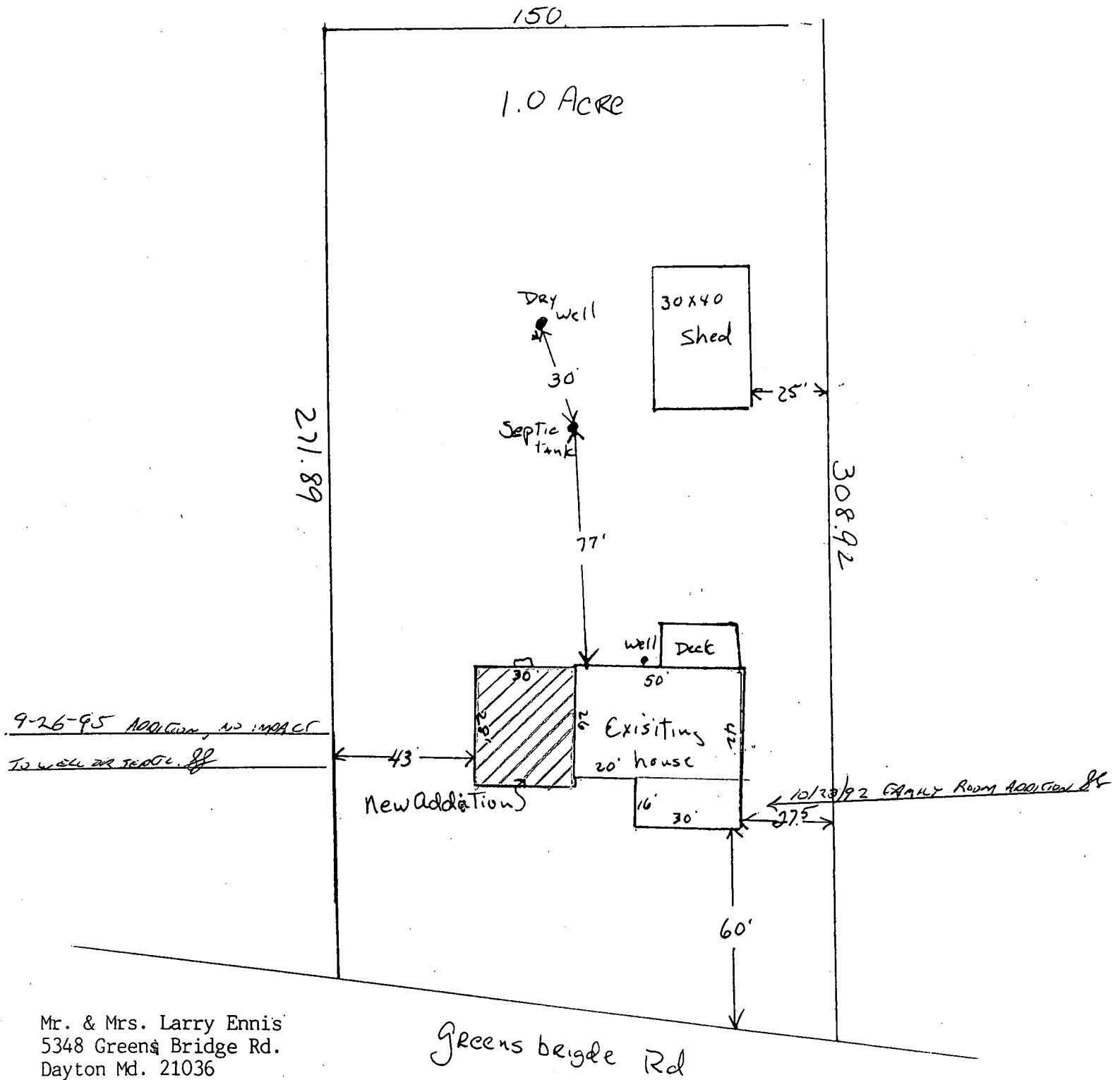
12/25/72
 OK DESIGN
 BYLES 729
 RAN

1" = 50'

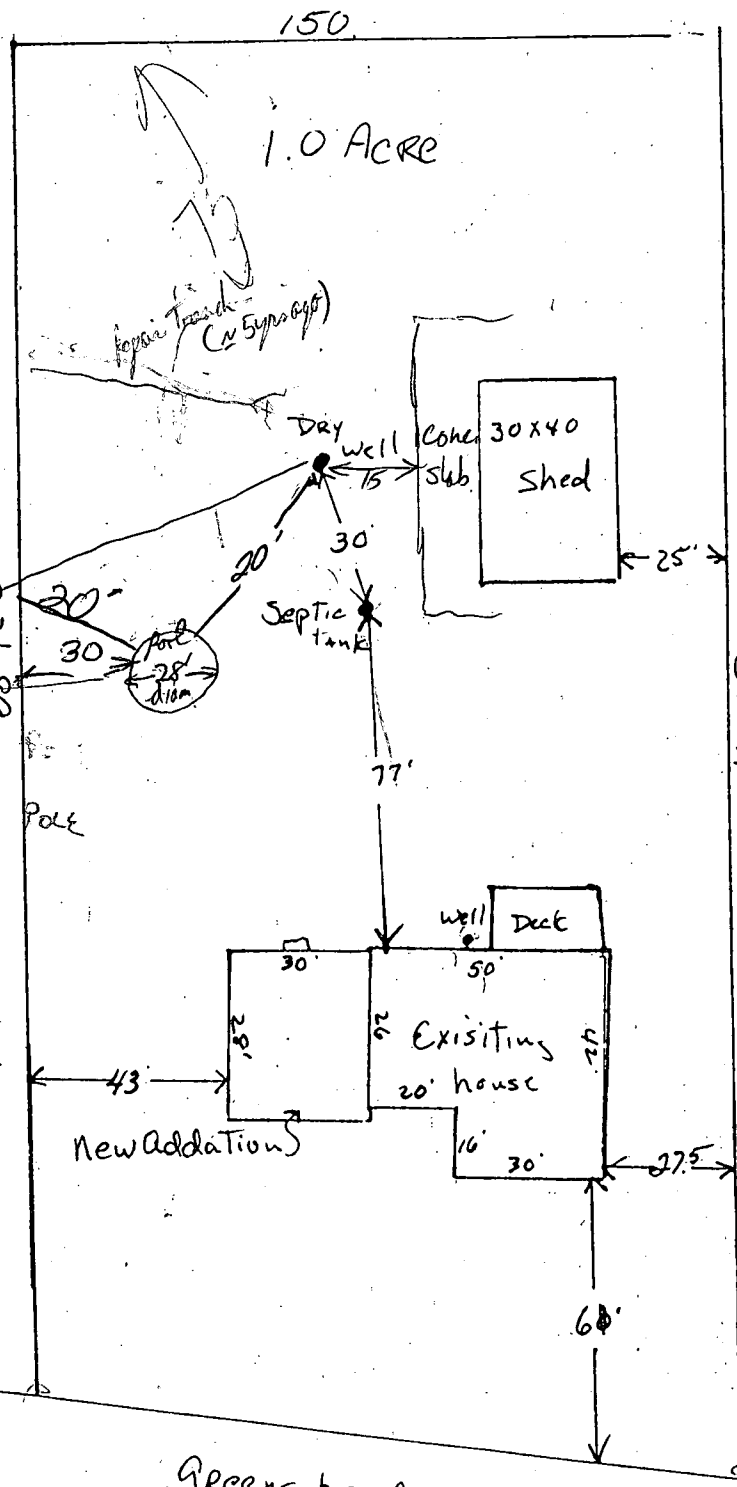
ENNIS

5348 Greenbridge

BLUE RIBBON CONST. CO. INC.
 4750 TEN OAKS RD.
 DAYTON, MD 21036-1125



Mr. & Mrs. Larry Ennis
 5348 Greens Bridge Rd.
 Dayton Md. 21036



EXISTING ABOVE GROUND POOL IS CLOSER TO TRENCHES THAN WOULD BE PREFERRED, BUT AT THIS POINT - NEITHER IS IT SO CLOSE AS TO BE UNACCEPTABLE.

BP 00101828 RECOMMENDED FOR APPROVAL - AS BUILT LOCATION OF POOL ACCEPTED

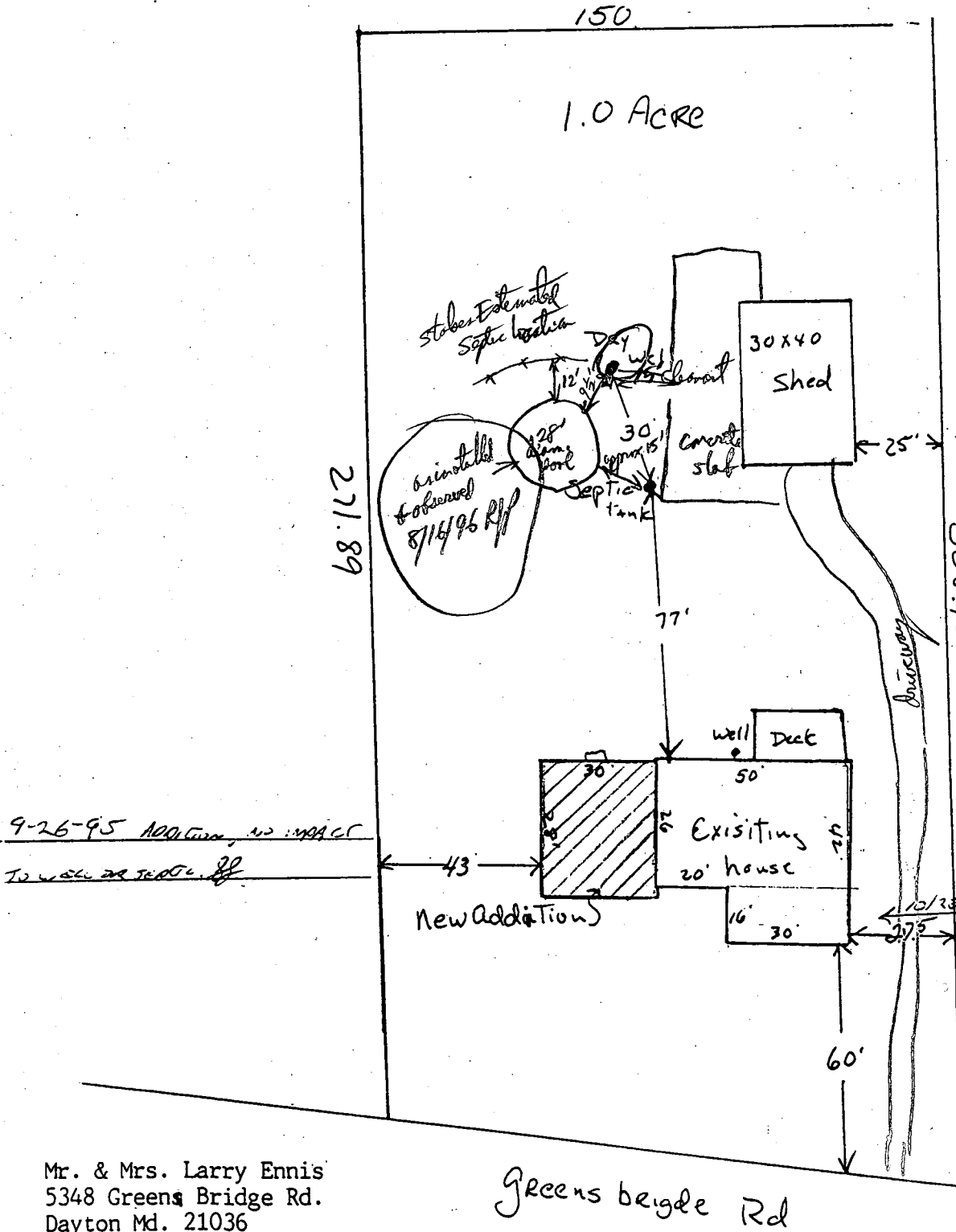
8/27/96, Cwellie

Mr. & Mrs. Larry Ennis
5348 Greens Bridge Rd.
Dayton Md. 21036

Greens bridge Rd

8-14-96
SEPTIC REPAIR LOCATION DETAIL REQUIRED PRIOR TO APPROVAL (see P46922 Report)
Site distance too close -
Need site map by Sanitarian Club Sam SANITARIAN
8/15/96

Please call @ 531-2997 to meet Larry Ennis (owner's son) to help you ID site features & plan.



B00101828

Pool is too close to existing dry well (which is full to near lid) and septic trench. Do Not recommend approval at this time. Need to ① either move pool at least 20 ft from nearest part of Septic Drinfeld and keep at least 10 ft from Septic tank or ② Abandon existing Drinfeld + Dry well and replace with a new Septic Trench System. Owner says with shown old house is now 5 Bloms. I said he'd also have to increase septic tank capacity to 1500 gal (i.e. add a second tank).

10/23/92 Garage Room Addition if he elects to do it. I told owner although I could not approve R.P. at this time, he could buy the pool, heated until the end of the pool season and if he elects to have, Move it after leaving for winter.

RJP 8/14/96

Mr. & Mrs. Larry Ennis
5348 Greens Bridge Rd.
Dayton Md. 21036

Proposed above ground swim pool (already installed)

B 00101828

L. Ennis Property

5348 Greenbridge Road

The strikes against this project are

① The large above ground pool (28ft diameter \approx 50 cu yds \approx 1847 cu ft \approx 14,778 gallons of water)

Info taken
from their
records

was installed prior to getting building permit approval

② a repair permit for the existing 3 bdrm house was issued March 1991 requiring only 39 ft long trench (13' deep, 10 ft stone) connecting to failed dry well. = 390 sqft of sidewall, a typical repair for a 3 bedroom house - Size of septic tank unknown (existing used)

③ 10/92 a building permit for an addition (B.P. 45929) was approved (called a 16' x 30' Family Room)

④ 9/95 ~~added~~ another building addition (28' x 30') increased house to 5 Bedrooms (2 above current septic capacity)

⑤ above ground pool was installed only 10 ft ($\pm 6"$) from cleanout of existing (piled & repaired) dry well. The pool filter and backflush drain pipe are only 7 ft from dry well cleanout. Mark's repair shows cleanout centered over dry well, owner claims it's on end of dry well. 2-8 ft of soil separates pool from nearest edge of dry well. Owner placed stakes showing trench location (probably center of trench) which at closest are 12 ft (i.e. max 10 ft) between pool + repair septic trench (which is already undersized)

A since this is the 3rd building permit - the septic system (both drainfield and septic tank) are long overdue for an upgrade \rightarrow i.e. 1500 septic tank capacity and 750 sqft of (at 125 gal/bedroom) sidewall area (minimum) - to a 5 bedroom standard.

B) Pool is less than the 20 ft minimum ^{separating distance} and up half of entire drainfield system - in fact the trench is ideal located as a catch pan for any seepage from the pool (i.e. leaks and backwash discharge, splashed water and winterizing emptying)

② The soils are apparently fast perching - mica loams on surface (per my inspection) and probably very sandy loam per Corps note of covering at time of repair. Estimate per rates as fast in these soils. Again quick seepage from pool into septic system.

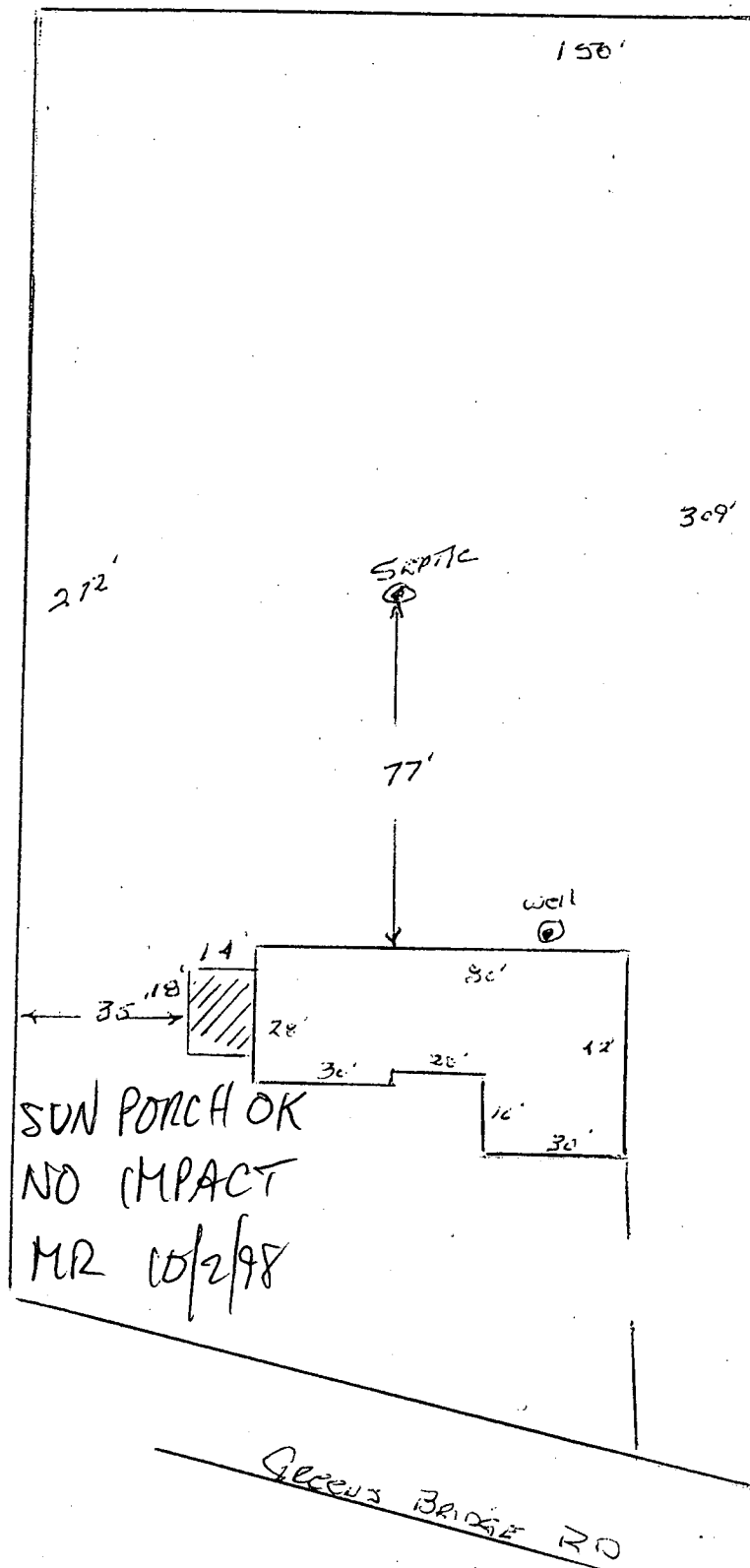
(Over)

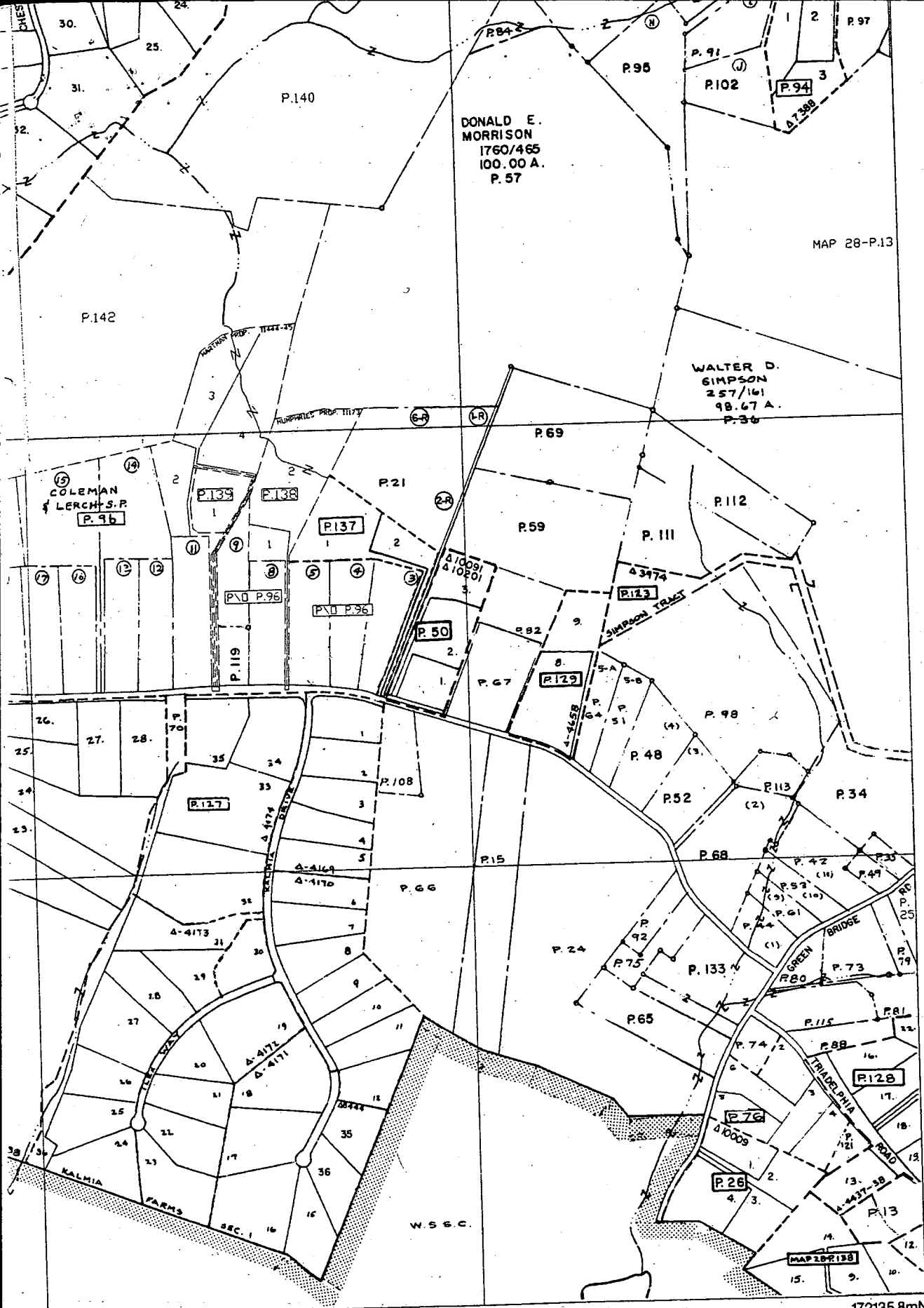
In Summary The pool represents a real threat to premature failure of an already undersized septic system.

~~Recommendation~~

Recommendation - (1) Move Pool far enough away (at least 20 ft) to eliminate this threat or

(2) Replace/Repair existing septic system for 5 Bdrms house at least 20 ft from existing pool location.





28 510

507

504

172135.8mN
400026.0mE

HOWARD COUNTY,
MARYLAND

782-504
MAP NO.
27

800

797

BOUNDARY OWNERSHIP - Z la - Z - Z - Z
 ERING - P.### (ASSIGNED TO IDENTIFY AND INDEX OWNERSHIP. MUST BE PRECEDED BY A MAP NUMBER)
 :600' (RF 1:7200)
 ST P. NO. PHOTO QUADRANGLE





HOWARD COUNTY HEALTH DEPARTMENT

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

November 9, 1999

Larry Ennis
5348 Green Bridge Road
Dayton, MD 21036

RE: Replacement Well Sampling
5348 Green Bridge Road
Dayton, MD 21036
Well Permit # HO-94-2456

Dear Mr. Ennis:

This office is requesting that you contact the Community Environmental Health Services Program at (410) 313-1773 to schedule an initial water sampling for the referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04).

It is preferred that the sample be collected from an indoor tap, but if suitable scheduling is not completed, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment. Failure to confirm the potability of this well water supply by completion of water sampling requirements could result in the issuance of an order to abandon and seal the well in accordance with COMAR 26.04.04.

If you have any questions, please call (410) 313-2640. Thank you for your attention to these important matters.

Very Truly Yours,

Mark E. Ripkin

Registered Sanitarian
Water and Sewerage Program

cc: File ✓

B 1	14366	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO - 94 - 2456 <small>fill in this form completely</small>
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OWNER INFORMATION

Date Received (APA) **10 04 99**

8 MM DD YY 13

15 Last Name **Ennis** Owner First Name **Larry** 34

36 Street or RFD **5348 Green Bridge Rd.** 55

57 Town **Dayton** 70 State **md.** 72 Zip 76

LOCATION OF WELL

B 3 **Howard** COUNTY 21

23 SUBDIVISION _____ 42

SECTION _____ LOT _____

44 46 48 50

52 NEAREST TOWN **Dayton** 71

MILES FROM TOWN (enter 0 if in town) **3** M. I. 73 76 77 78

DRILLER INFORMATION

Driller's Name **Joseph L. Mayne** MS D 24 License No. 81

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

Address **5512 Ridge Rd Det Aring rd. 2177**

Signature **Joseph L. Mayne** Date **10/4/99**

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 45 37 DISTANCE FROM ROAD **45** FT 38 39

ENTER FT OR MI

TAX MAP: **27** BLK: **24** PARCEL **49**

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

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

Howard COUNTY NAME **P46992** COUNTY NO.

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED **10 06 99** Mark E. Rifkin 10/6/2000

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID **507** 0 0 0 EAST GRID **799** 0 0 0

50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET 24 28

APPROXIMATE DIAMETER OF WELL **6** INCH NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

10/11/99 11:20am Grant Noinsp **SRU**

SOURCES OF DRILLING WATER

1. **WELL**

2. _____

3. _____

WRITE THE BOX NUMBER FROM THE MAP HERE

E **799**

N **507**

000
000

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)

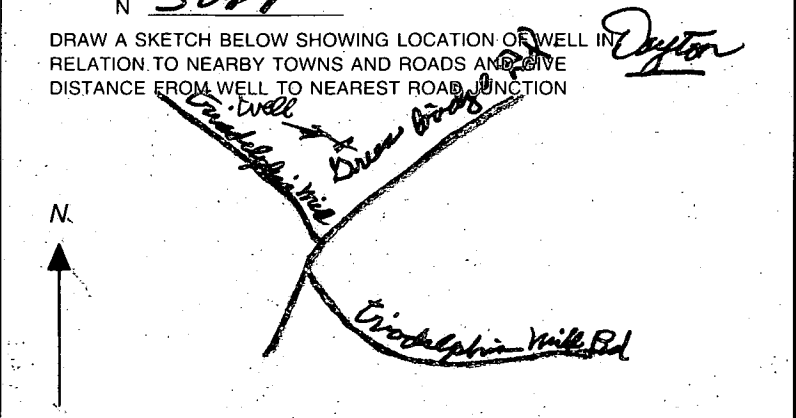
THIS WELL WILL NOT REPLACE AN EXISTING WELL

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 DEEPEAN 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 A P _____

54 63

PERMIT No. **HO - 94 - 2456**

70 71 72 73 74 75 76 77 78 79

SITE INSPECTION SHEET

OWNER: Larry Ennis

DATE REQUESTED: 10/4/99 11:00

ADDRESS: 5348 Green Bridge Rd

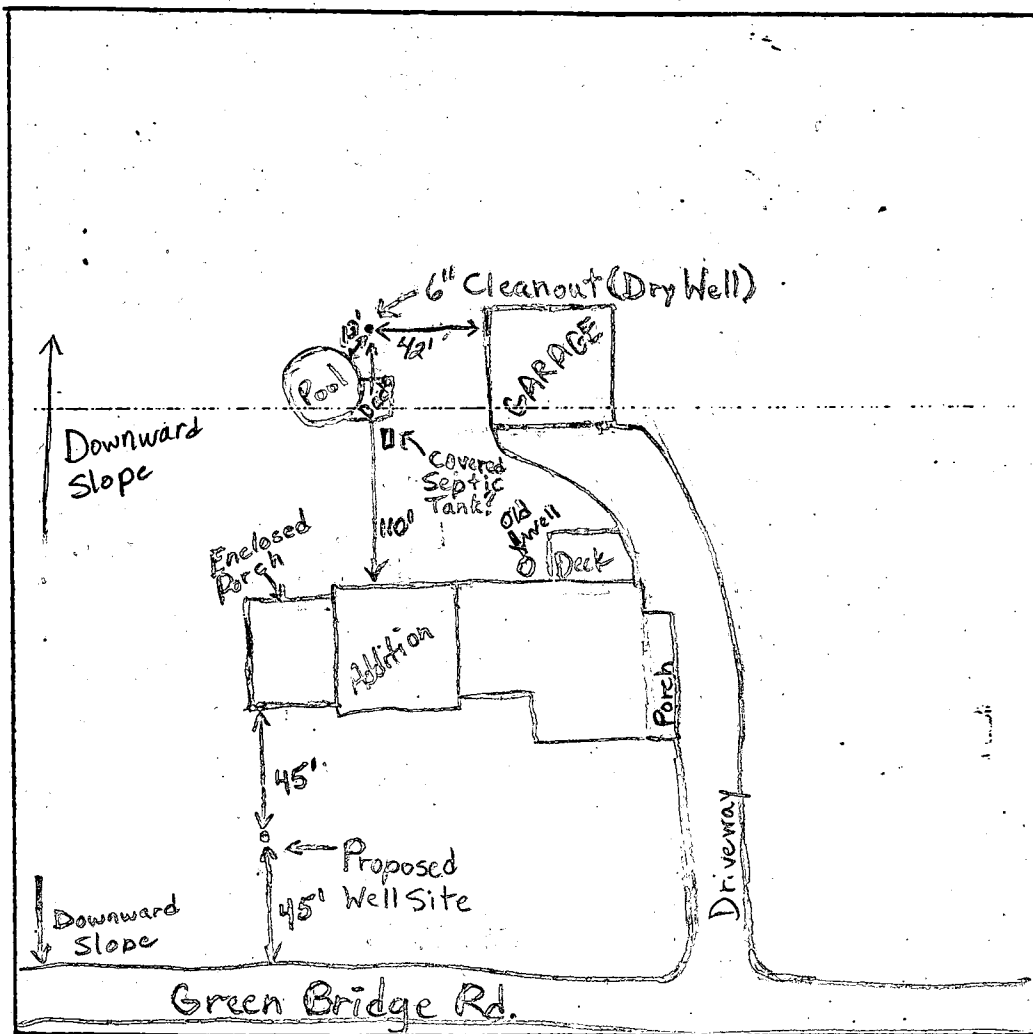
DRILLER: J. Mayne

WELL TAG # HO-94-2456

COUNTY # P 46927

PROPOSAL: ex. well has run dry - requests ND inspection for approval of repl. well site

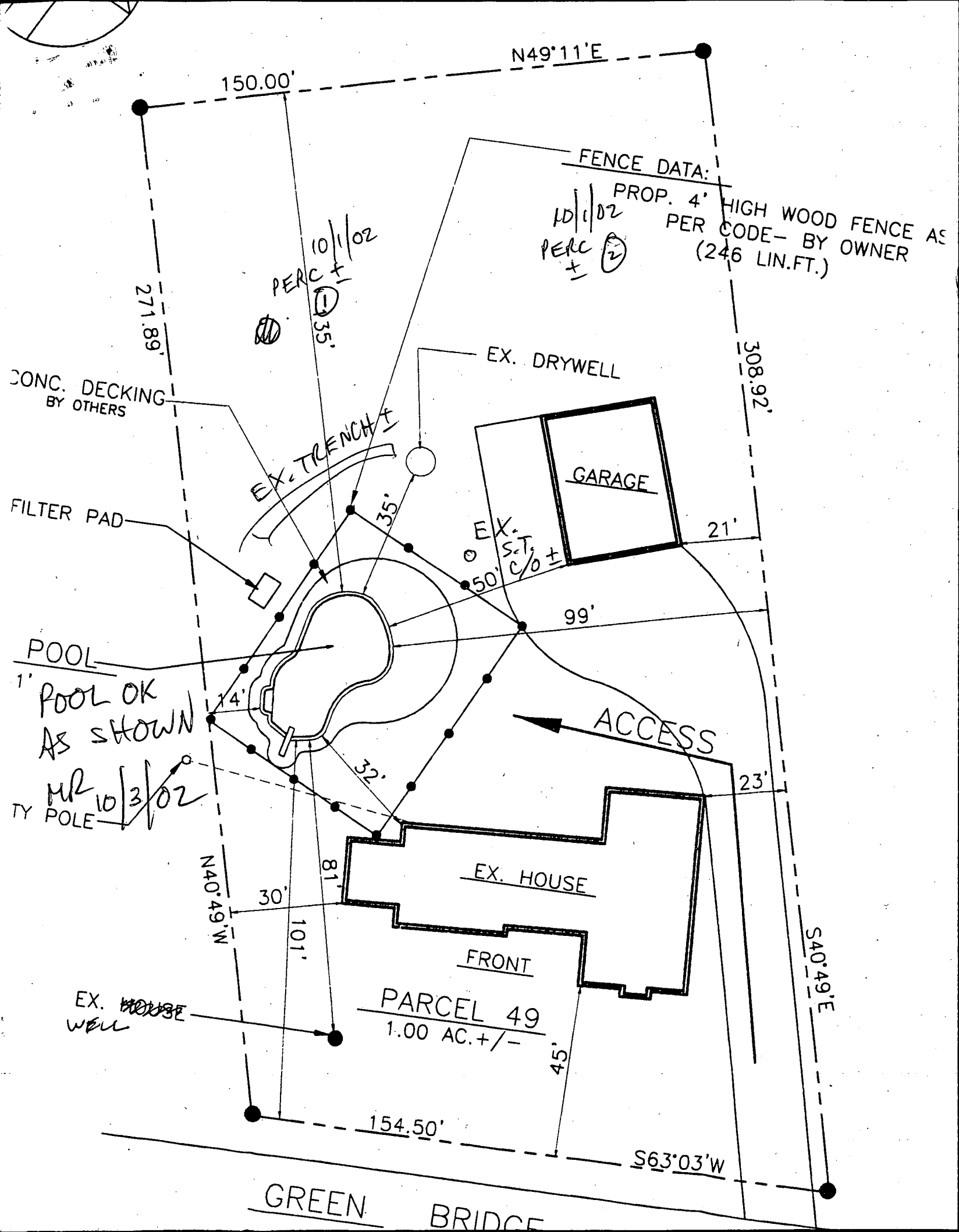
LOCATION DIAGRAM



COMMENTS: 10/4/99 Replacement well site looks O.K. Old well is to be used as a standby (BB)

DATE: 10/4/99

INSPECTOR: B. Baker



**HOWARD COUNTY
 PERMIT APPLICATION**

PERMIT NUMBER

B00138732

Building Address 5348 GREEN BRIDGE RD
DAYTON, MD 21036

Suite/Apt. #: _____ SDP/WP/Petition #: _____

Census Tract 605101 Subdivision DAYTON

Section _____ Area _____ Lot _____

Tax Map 27 Parcel 49 Grid 24

Zoning RR Map Coordinates 1364 Lot size 1.00 ac

Existing Use SFD

Proposed Use SFD W/POOL

Estimated Construction Cost \$20000

Description of Work INSTALL INGROUND 24'6" x 41' POOL
 IN REAR YARD. POOL TO BE FILTERED BY CARTRIDGE
 SYSTEM. POOL TO BE ENCLOSED BY 4" ALUM
 FENCE TO CODE. POOL TO BE FILLED BY TRUCK

Occupant or Tenant OWNER

Contact Name _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

Property Owner's Name LARRY + ELLIE ENNIS

Address 5348 GREEN BRIDGE RD

City DAYTON State MD Zip Code 21036

Home Phone 410-531-2997 Work Phone 410-707-6974

Applicant's Name & Mailing Address, (if other than stated hereon):

JOHN KRAWCZYK

Phone 410-995-6600 Fax 301-621-3331

Contractor Company MARYLAND POOLS INC

Contact Person JOHN KRAWCZYK

Address 189515 GERMAN LANE SUITE 119

City COLUMBIA State MD Zip Code 21046

License No. 6694

Phone 301-621-4100 Fax 301-621-3331

Engineer or Architect Company _____

Contact Person _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics

Utilities

Height: _____

No. of stories: _____

Gross area, sq. ft. per floor: _____

Use group: _____

Construction type:

- Reinforced Concrete
- Structural Steel
- Masonry
- Wood Frame

State Certified Modular

Water Supply:

- Public
- Private

Sewage Disposal:

- Public
- Private

Electric Yes No

Gas Yes No

Heating System:

- Electric Oil
- Natural Gas
- Propane Gas

Sprinkler system: N/A

- Full
- Partial
- Other Suppression
- # of Heads

Building Characteristics

Utilities

SF Dwelling SF Townhouse

Depth _____ Width _____

1st floor: _____

2nd floor: 710 sq ft

Basement: ALLA

Finished Basement Unfinished Basement

Crawl space Slab on Grade

No. of Bedrooms _____

Multi-family dwellings:

No. of efficiency units: _____

No. of 1 BR units: _____

No. of 2 BR units: _____

No. of 3 BR units: _____

Other Structure: _____

Dimensions: 24'6" x 41'

Footings: _____

Roof: 5'10" 5/12 ORFP

State Certified Modular

Manufactured Home

Water Supply:

- Public
- Private

Sewage Disposal:

- Public
- Private

Electric Yes No

Gas Yes No

Heating System:

- Electric Oil
- Natural Gas
- Propane Gas

Sprinkler system: N/A

- NFPA #13D
- NFPA #13R
- Other:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature

Print Name

Title/Company

Date

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**

**** PLEASE WRITE NEATLY AND LEGIBLY. ****

FOR OFFICE USE ONLY

AGENCY

DATE

SIGNATURE APPROVAL

DPZ SETBACK INFORMATION

PROPERTY ID#

8721

APPLICATION

PERCOLATION TESTING

A _____

P _____

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

Prop. Perc to establish repair area in support of prop. pool OK/MR

DISTRICT _____

DATE _____

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 Larry Emis

ADDRESS 5348 Greenbridge Rd 21026 PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. _____

ROAD AND DESCRIPTION some

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. SFD w/pool
(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 _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

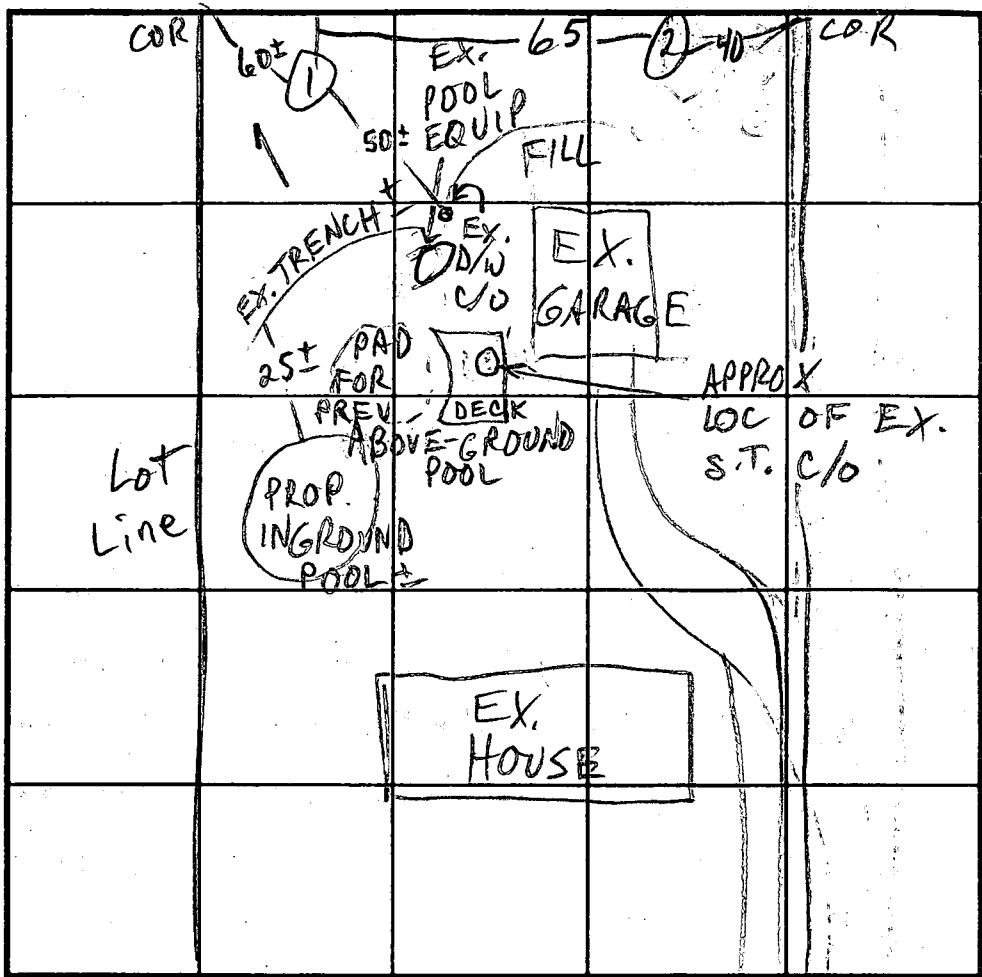
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

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

THIS IS NOT A PERMIT

COUNTY # _____
 SOIL PROFILE
 0' ① ②
 tan orange
 sa lm
 3
 fine
 tan mica
 sand
 10-20%
 saprolite
 10

②
 tan orange
 sa lm
 3
 fine
 tan gray
 sand
 10-20%
 frags
 40%
 frags
 NORTH



SOIL PROFILE
 0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/1/02	1 V	10	SOILS OK	VERY SANDY			EST 1-2 MIN
	2 V	11	SOILS OK		see profile		1-2 MIN

REMARKS SHALLOW SYSTEM ONLY
 TYPE OF SOIL _____
 TESTED BY _____ ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 1-2 TRENCH WIDTH 3
 INLET DEPTH 2 1/2 MAXIMUM BOTTOM DEPTH 4 1/2 SQ. FT./BEDROOM 180

ATTN: LISA TONTI

4/11/02

Proposed re-decking

screening OK SRU

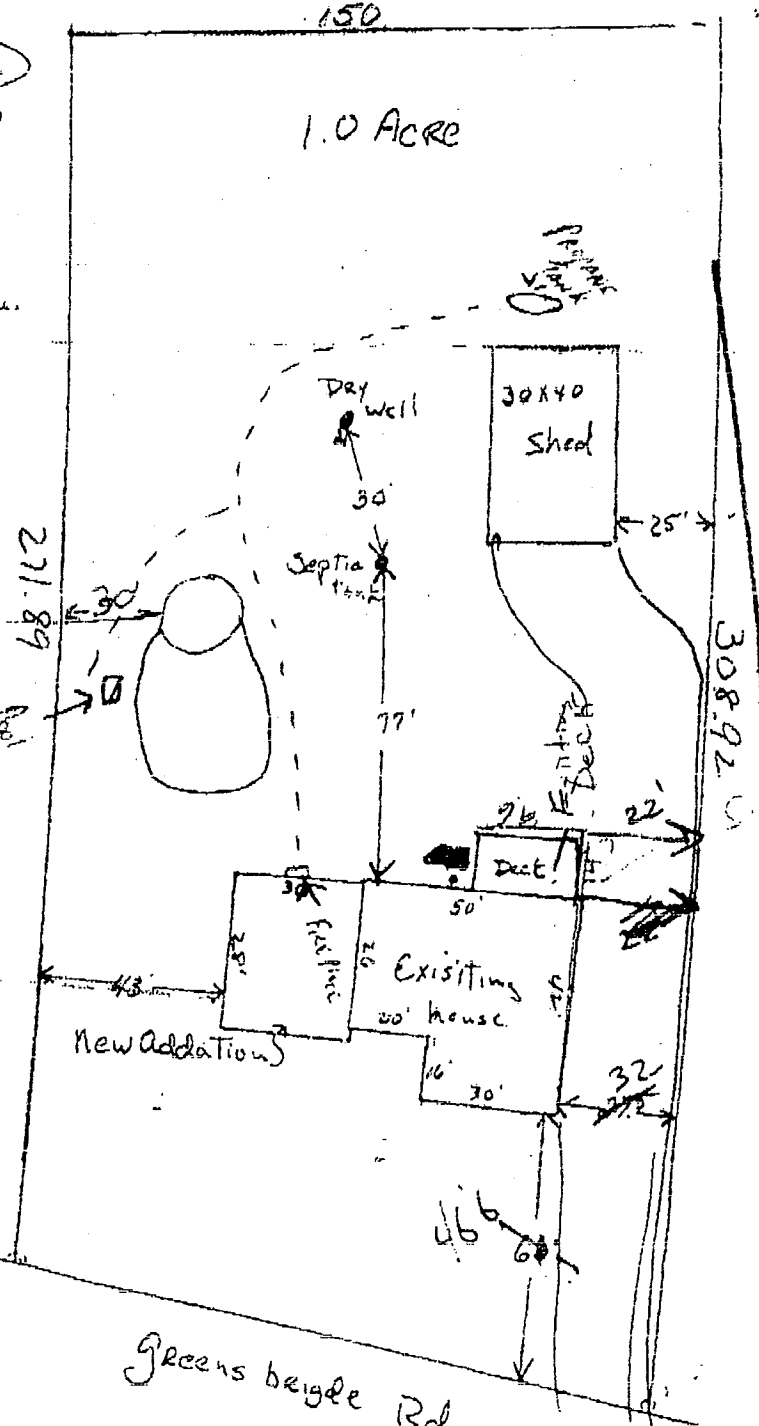
Told Contractor to be careful not to disturb or build closer to ex. well near deck.

B00189328

B00135423

Proposed pool

271.89
Pool
Hand



Mr. & Mrs. Larry Ennis
5348 Greens Bridge Rd.
Dayton Md. 21036

Greens bridge Rd