

LAYOUT <sup>2/7</sup> ~~Howard Coun. 2/6/03 T-T-30~~ INSP 4 \_\_\_\_\_  
 INSP 2 2/10/03 1PM INSP 5 \_\_\_\_\_  
 INSP 3 2/11/03 11AM INSP 6 \_\_\_\_\_

ISSUE DATE: 1/29/2003

P 518 523

APPROVAL DATE: 3/20/03

A 59907-L

**PERMIT**  
 SHARED HOUSE CONNECTION  
 + GRINDER PUMP INSTALLATION  
~~ON SITE SEWAGE DISPOSAL SYSTEM~~  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH

**INDEXED 03-337456**

Hatfields Equipment \_\_\_\_\_ IS PERMITTED TO INSTALL  ALTER

ADDRESS: 13785 Burntwoods Road PHONE NUMBER: 301-854-6172

SUBDIVISION: Friendship Lakes LOT NUMBER: 14

ADDRESS: 2940 New Rover Road PROPERTY OWNER: Williamsburg Group

SEPTIC TANK CAPACITY (GALLONS): \_\_\_\_\_ OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: \_\_\_\_\_

LINEAR FEET OF TRENCH REQUIRED: \_\_\_\_\_

TRENCHES:	<del>Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.</del>
LOCATION:	Install 4" house connection sewer line per approved plan.
NOTES:	This permit is limited to the installation of the individual house connection sewer line and installation of the grinder pump. The Howard County Bureau of Utilities must be contacted prior to scheduling and inspection of these items.

PLANS APPROVED: Steven Krieg OK SRK 12/10/02 DATE: 9/10/2002

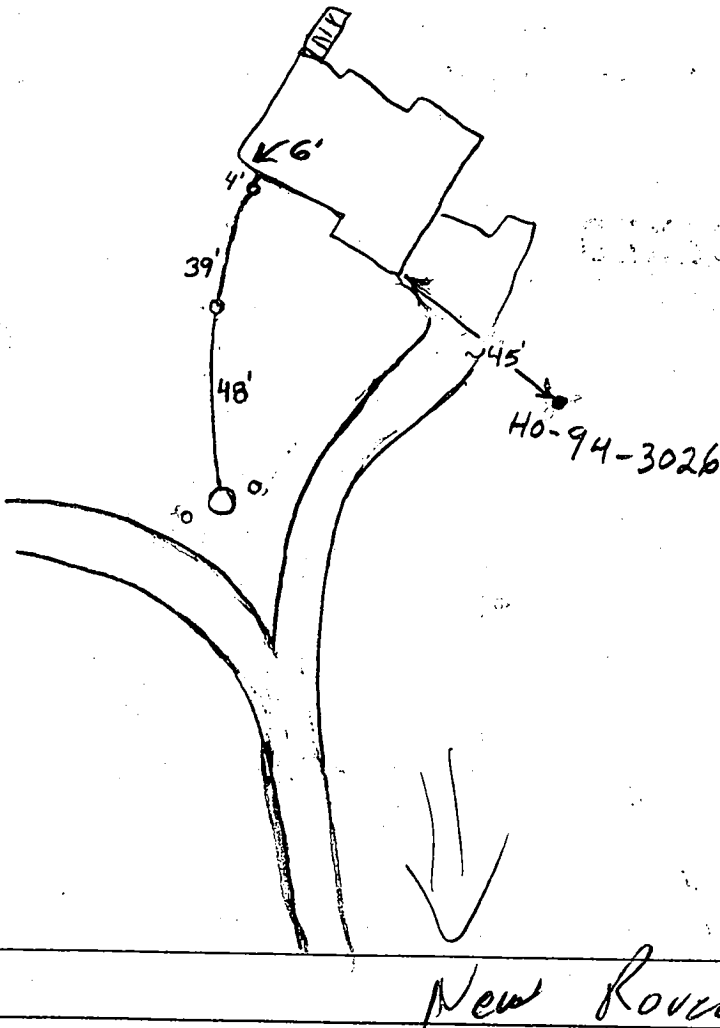
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND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

2/26/03 800140432 U.G. PROPANE TANK

A59907-L

NOT TO SCALE



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

SEPTIC TANK 2 LEVEL \_\_\_\_\_

CAPACITY \_\_\_\_\_ GAL

SEAM LOC \_\_\_\_\_

TANK LID DEPTH \_\_\_\_\_

BAFFLES \_\_\_\_\_

BAFFLE FILTER \_\_\_\_\_

MANHOLE LOC \_\_\_\_\_

6" PORT LOC \_\_\_\_\_

WATERTIGHT TEST \_\_\_\_\_

PRE-CONSTRUCTION \_\_\_\_\_

INSTALLATION 2/10/03 - Not ready, house corner invert too low (SD)

2/11/03 Connection to pump pits made. O.K. to cover work. Need pump and alarm test. (BB)

3/20/03 Met w/ utilities, pump set, pump & alarms test OK (SD)

BUILDING PERMIT SIGNED AND RETURNED

FINAL INSPECTOR Stuart Oster (BB)

DATE OF APPROVAL \_\_\_\_\_

**FAX**  
cover sheet



Bureau of Utilities  
8270 Old Montgomery Rd.  
Columbia, Md. 21045  
Tel. : 410 313 4900  
Fax : 410 313 4989

To: Water & Sewer Program

Date: 3/20/03 Number of pages including this one one

Fax Number: 2648

From: Matt Tudor

Comments: Friendship Lakes Shared Septic

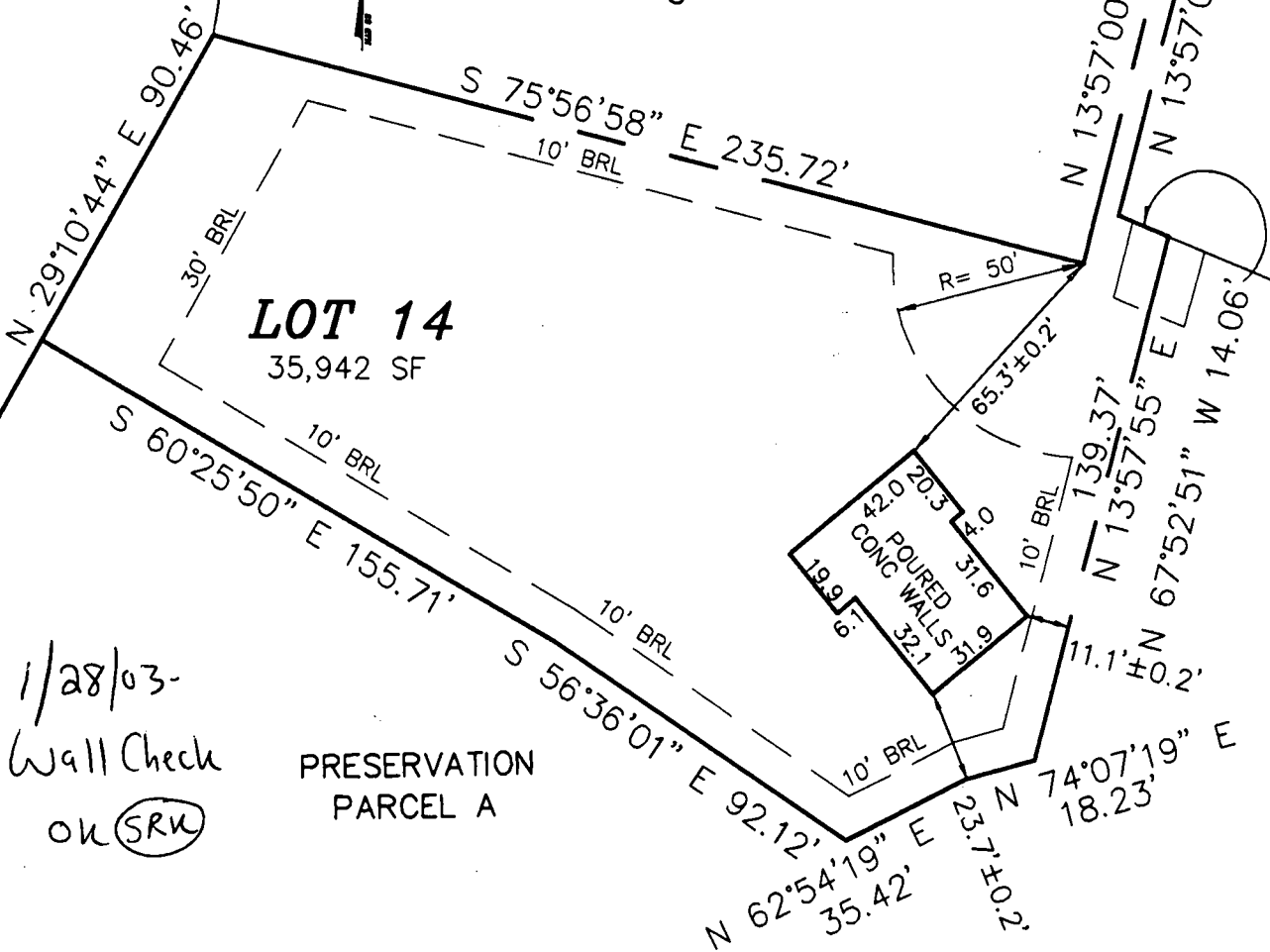
Williamsburg Group Lots 13 and 14  
2939 and 2940 New River Rd

Freemire Associates has successfully set and tested  
the sewage grinder pumps for both of the above  
listed properties. The Bureau of Utilities  
releases both properties for U&O with the under-  
standing that final grading adjustments and  
stabilization will be addressed by the builder as  
soon as weather conditions permit.

FOR CONTINUATION  
SEE PLAT 14910

GWENLEE  
ESTATES  
PLAT 5339

FRIENDSHIP LAKES  
LOTS 1 THRU 4  
PLAT 8238  
LOT 3



1/28/03-  
Wall Check  
OK (SRU)

PRESERVATION  
PARCEL A

REVISED 01/13/03 TO CORRECT LOCATION OF EXISTING HOUSE

**LOT 14**  
**FRIENDSHIP LAKES**  
LOTS 5 THRU 15  
& PRES. PARCELS A&B  
A RESUBDIVISION OF FRIENDSHIP LAKES  
LOTS 1, 2, & 4  
TAX MAP 15, PARCEL NO. 175

**LEGEND**

- O/H = OVERHANG
- A/C = HEAT PUMP/AIR COND.
- G/M = GAS METER
- E/M = ELECTRIC METER
- C = CHIMNEY
- B/W = BAY WINDOW
- D/W = DRIVEWAY
- CONC = CONCRETE
- S = CONC STOOP

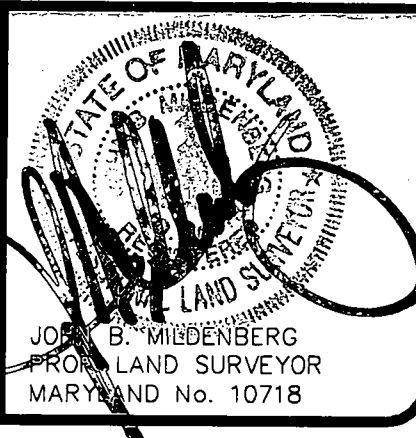
TOP WALL = 562.3±  
ADDRESS: 2940 NEW ROVER ROAD

ELECTION DISTRICT No. 3  
HOWARD COUNTY, MARYLAND

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

**MILDENBERG  
BOENDER, & ASSOC., INC.**

Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.



FOUNDATION	DATE: 10/18/02	FINAL LOCATION	DATE:
DRAWN BY: M.S.	SCALE: 1" = 50'		
PROJECT NO.: 99010	LOCATION DRAWING		

Approved Septic System Plan  
Howard County Health Department

*Steven R. Krey*  
Signature Date 9/10/02

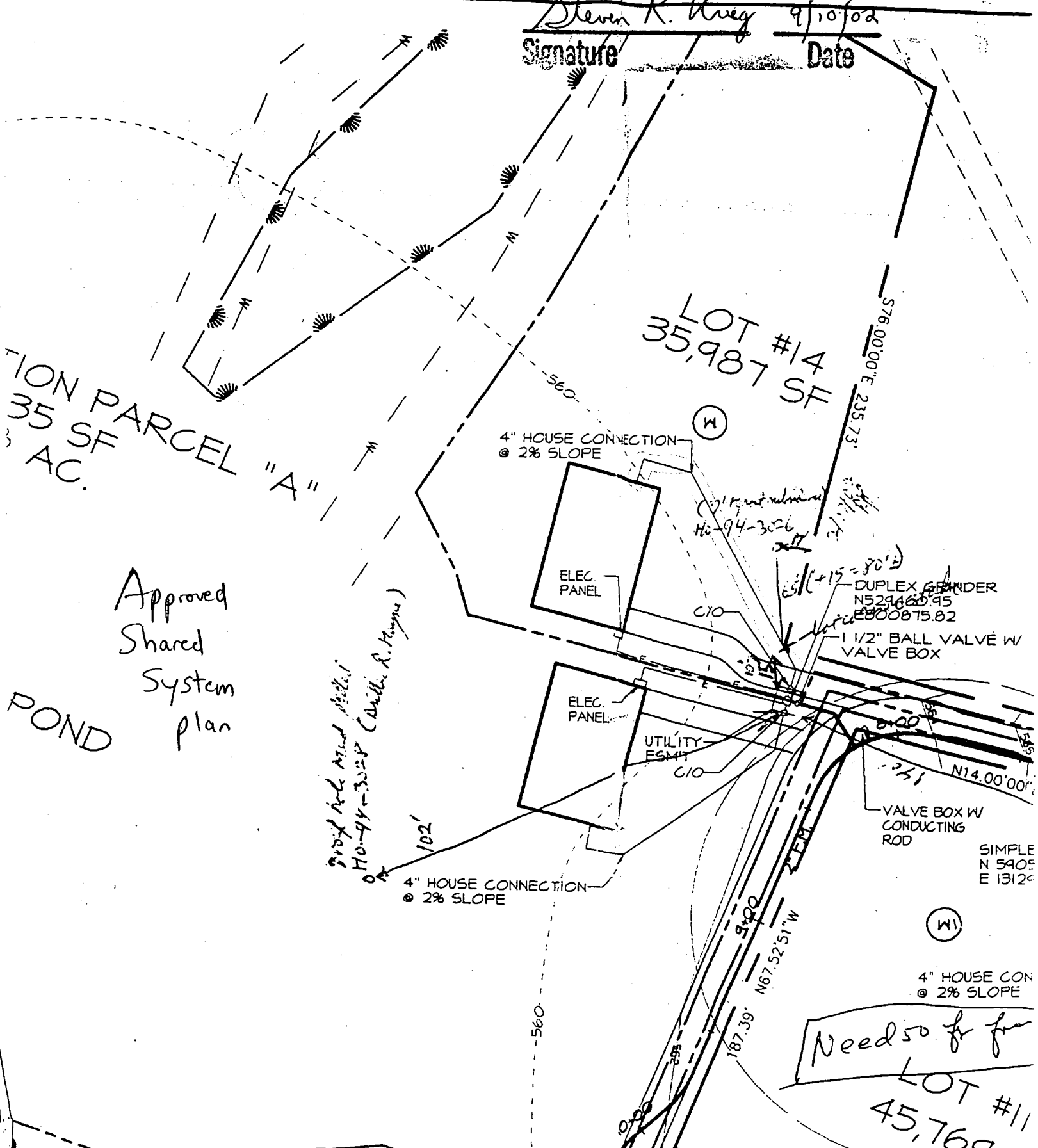
ADJACENT PARCEL "A"  
35 SF  
3 AC.

Approved Shared System plan

POND

LOT #14  
35,987 SF

*Proposed Septic System Model  
HO-94-3028 (With R. Payne)*



4" HOUSE CONNECTION @ 2% SLOPE

ELEC. PANEL

ELEC. PANEL

UTILITY ESM

4" HOUSE CONNECTION @ 2% SLOPE

DUPLEX SPENDER N52°14'00" E 235.73'

1 1/2" BALL VALVE W/ VALVE BOX

VALVE BOX W/ CONDUCTING ROD

SIMPLE N 59°00' E 1312.00'

4" HOUSE CON @ 2% SLOPE

Need so for for  
LOT #11  
45,769



WL801077

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: CHARLES A. KLEIN & SONS, INC. Telephone #: (410) 542-6760  
Address: 5220 KLEIN MILL ROAD  
SPRINGVILLE, MD 21784

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

Name (Print) CHARLES A. KLEIN, JR. License# 6521

\*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: WILLIAMS, GEORGE Telephone #: (410) 997-8800  
Subdivision: FRIENDSHIP LAKES Lot #: 14 Well Tag #: HO-94-3036  
Site Address: 2740 NEW ROVER ROAD  
WEST FRIENDSHIP, MD 21794

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit  
Make: JACOZZI Make: HARVARD Two piece watertight cap   
Model #: 5 545-13P-52 Model #: 77-800 Screened, vented well cap   
Pump Capacity 5 GPM Depth: 1/2" (36" min) Cap secured to casing   
Well Yield: 10 GPM NSF approved:  Conduit min 18" B.G.   
Depth of well encountered at time of pump installation: 100 (feet) Conduit secured to well cap   
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.2.4  
Torque wrenches or Cable guards are required - Must circle one  
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house  
Type: POLYETHYLENE  
PSI: 1" (160 psi min)  
Depth of supply line: 36" min

House Connection  
PVC sleeved to undisturbed soil at wall penetration: Yes  
Approximate length of sleeve: \_\_\_\_\_  
Sleeve caulked and sealed properly:

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.

Charles A. Klein Jr.  
Signature of company representative responsible for installation date \_\_\_\_\_  
CHARLES A. KLEIN, JR.

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 1/11/03  
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

BB/FA

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) COUNTY NUMBER **A59907L** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-94-3026**

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED Depth of Well **OK SRK** **6/9/01** **05 09 01** **22 100 26** **28 29 30 31 32 33 34 35 36 37**

OWNER **Rover Mill LLC** STREET OR RFD **New Rover Road** TOWN **SILVER SPRING** SUBDIVISION **Friendship Lakes** SECTION **14** LOT **14**

**WELL LOG**  
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	50	✓
Sandstone	50	55	
MICKA	55	60	
Gravel Bed	60	65	✓
MICKA	65	100	

**GROUTING RECORD** YES  NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **35** NO. OF POUNDS **3500**

GALLONS OF WATER **218**

DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **30** ft.

**CASING RECORD**

casing types insert appropriate code below

**ST** STEEL **CO** CONCRETE **PL** PLASTIC **OT** OTHER

MAIN CASING TYPE **PL** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **60**

**OTHER CASING (if used)**

diameter inch \_\_\_\_\_ depth (feet) from \_\_\_\_\_ to \_\_\_\_\_

**SCREEN RECORD**

screen type or open hole insert appropriate code below

**ST** STEEL **BR** BRASS **PL** PLASTIC **HO** OPEN HOLE **OT** OTHER

NUMBER OF UNSUCCESSFUL WELLS **0**

WELL HYDROFRACTURED YES  NO

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 LIC. NO. **M SD 113**

DRILLERS SIGNATURE **[Signature]**

LIC. NO. **M D**

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

**C2** DEPTH (nearest ft.) **70 58 100**

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 (NEAREST INCH) **56** **60**

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 **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

**C3** **PUMPING TEST**

HOURS PUMPED (nearest hour) **3**

PUMPING RATE (gal. per min.) **10**

METHOD USED TO MEASURE PUMPING RATE **Bucket**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **8** ft.

WHEN PUMPING **10** 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 INSTALLED 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. **29**

CAPACITY: GALLONS PER MINUTE (to nearest gallon) **31** **35**

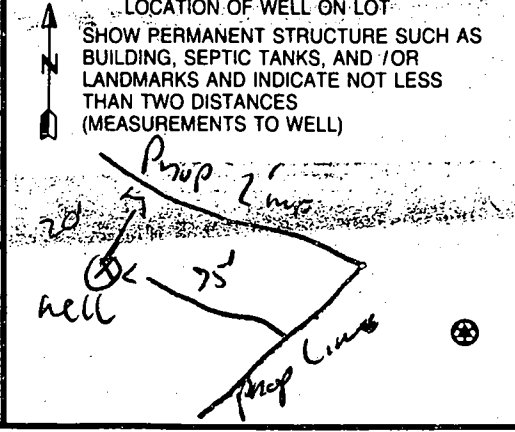
PUMP HORSE POWER **37** **41**

PUMP COLUMN LENGTH (nearest ft.) **43** **47**

CASING HEIGHT (circle appropriate box and enter casing height)

**+** above } LAND SURFACE **2** (nearest foot)

**-** below }



1 04792

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-94-3026  
fill in this form completely

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

W514954 please print or type

Date Received (APA)

030101

OWNER INFORMATION

ROVER MILL LLC  
8808 CENTRE PARK DR  
COLUMBIA MD 21045

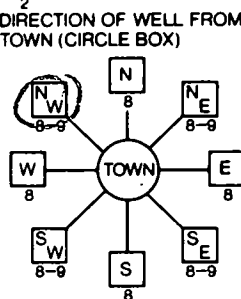
LOCATION OF WELL

HOWARD  
EVENING STAR LAKES  
SECTION 14  
GLENELG  
MILES FROM TOWN 1 MI

DRILLER INFORMATION

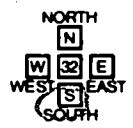
RAULF MAYNE MSO  
Ralph E. Mayne Well Drilling  
17024 Handy Rd Mt Airy MD  
02-25-01

DIRECTION OF WELL FROM TOWN



new rover rd  
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



100 DISTANCE FROM ROAD

ENTER FT or MI

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co H59907L  
STATE SIGNATURE DATE ISSUED 030101  
NORTH GRID 530000 EAST GRID 770000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN  
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
CABLE REVERSE-ROTARY DRIVE-POINT

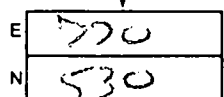
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
D THIS WELL WILL DEEPEM AN EXISTING WELL

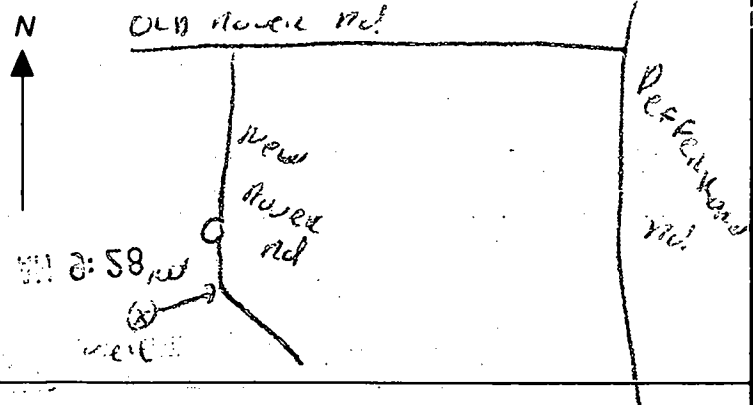
Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER H1000GAP003  
FORCE 1000 PERMIT No. 40-94-3026

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1 well



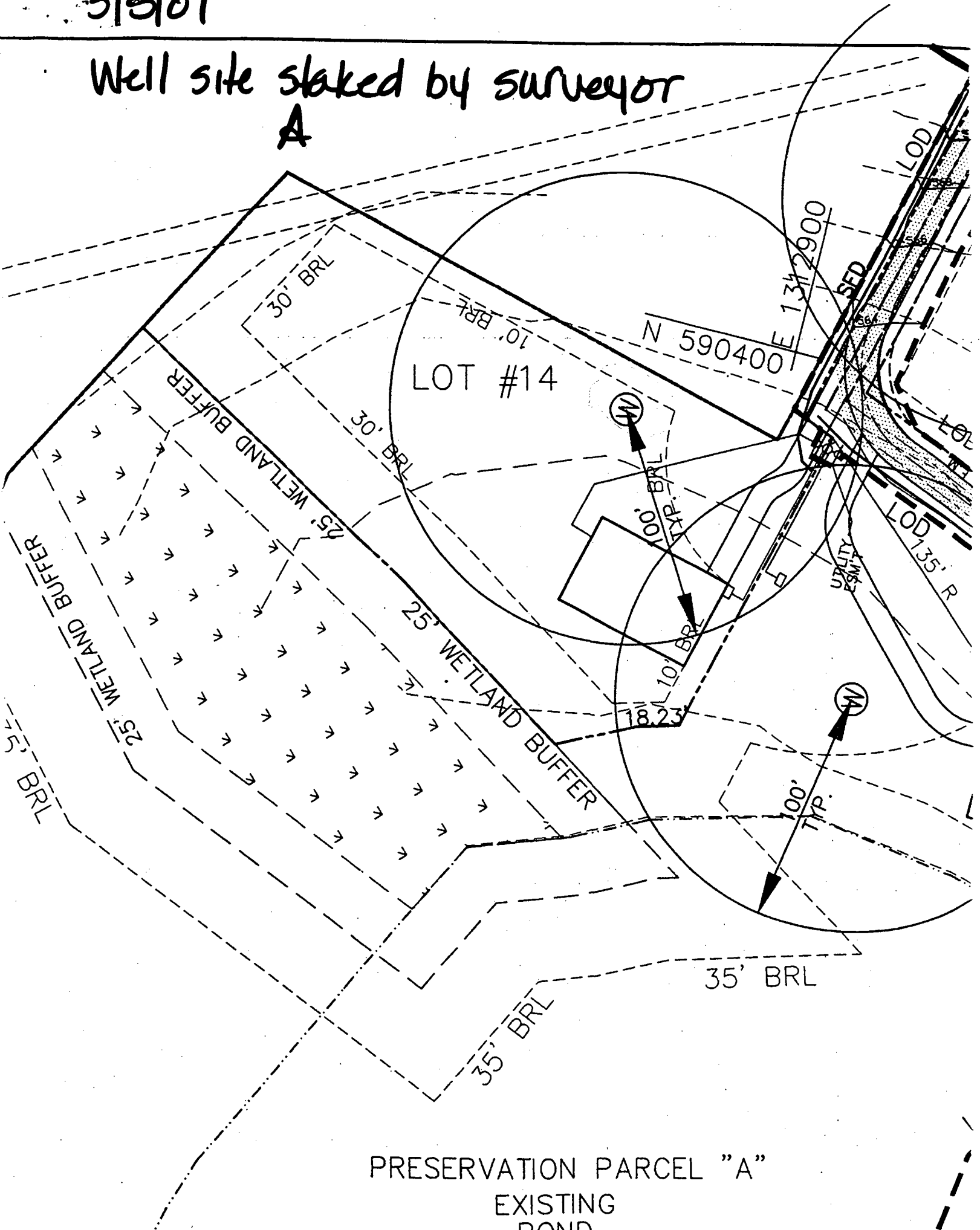
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS

3/8/01

Well site staked by surveyor  
A



PRESERVATION PARCEL "A"  
EXISTING  
POND

# CONVENTIONAL TRENCH SEPTIC SPECIFICATIONS WORKSHEET

PROPERTY ID: Friendship Lakes TAX MAP: 15 A59907L  
STREET NAME: New Rover Rd PARCEL #: 175 LOT NUMBER 14

AVERAGE PERCOLATION RATE: \_\_\_\_\_ SQUARE FEET PER BEDROOM \_\_\_\_\_  
NUMBER OF BEDROOMS: \_\_\_\_\_ LINEAR FEET OF TRENCH PER BEDROOM \_\_\_\_\_  
TOTAL LINEAR FEET OF TRENCH \_\_\_\_\_ SEPTIC TANK CAPACITY: \_\_\_\_\_  
TOP SEAMED TANK REQUIRED? YES NO  
COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DESIGN: Trench to be \_\_\_\_\_ feet wide. Inlet \_\_\_\_\_ feet below original grade. Bottom maximum depth \_\_\_\_\_ feet below original grade. Effective area begins at \_\_\_\_\_ feet below original grade. \_\_\_\_\_ feet of stone below distribution pipe.

**SHARED  
SEPTIC  
SYSTEM**

PUMPED SYSTEM PROPOSED: YES NO  
PUMPED SEPTIC SYSTEM DETAIL: \_\_\_\_\_ gallon pump chamber  
YES NO top seamed pump chamber required?

LOCATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ADDITIONAL NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

REVIEWER: \_\_\_\_\_ DATE: \_\_\_\_\_

75'  
STREAM  
BUFFER

PRESERVATION PARCEL "A"

642,185 SF  
14.74 AC.

EXISTING  
POND

BARN

EXISTING BARN TO  
BE REMOVED

LOT #14  
34,197 SF

LOT #11  
40,000 SF

LOT #10  
40,000 SF

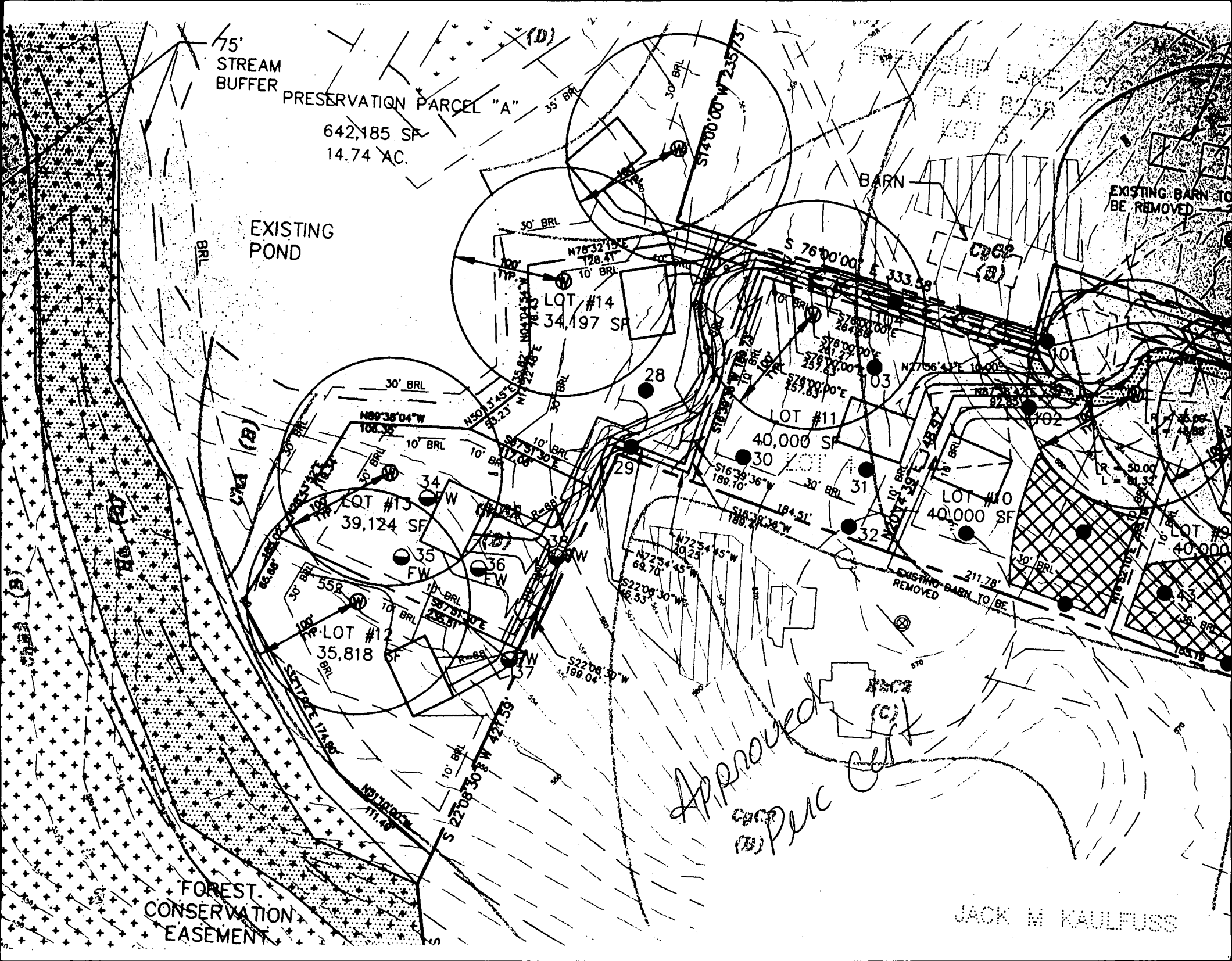
LOT #13  
39,124 SF

LOT #12  
35,818 SF

FOREST  
CONSERVATION  
EASEMENT

Approved  
Carp  
(B) PHC

JACK M KAULFUSS



Scale 1"=100'

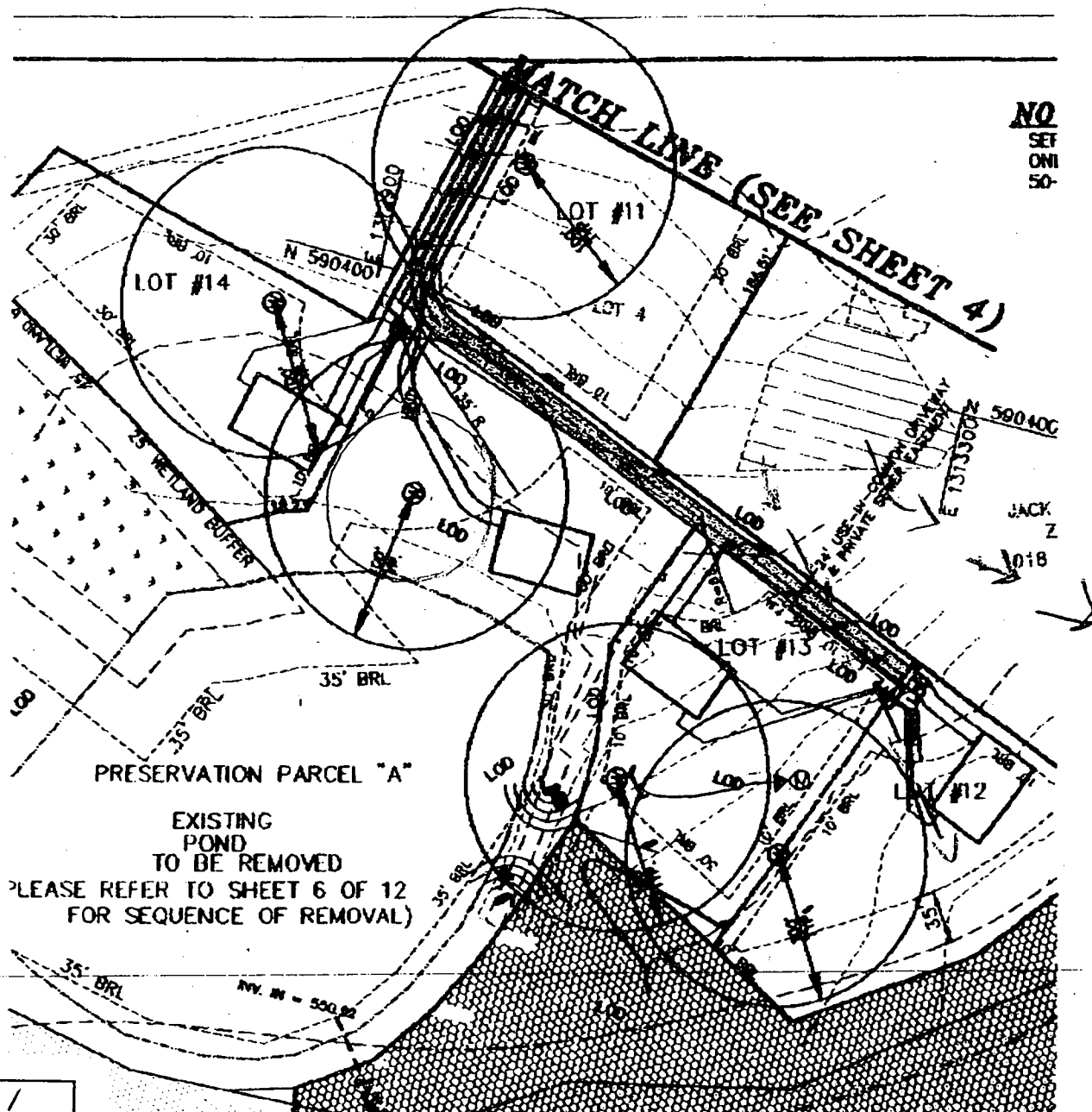
### Proposed Well Locations

1-23-01

#### Well Locations

- Lot 12 - make sure staked well location is 10' off property boundary.
- Lot 13 - move well to shown location
- Pres. Parcel A - OK as shown

*A. McMill*



NO SET ON 50'

Post-it® Fax Note	7671	Date	1/23	# of pages	1
To	Sam	From	Amy		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #		Fax #			

2940 New Rover Rd. - Lot 14  
BP# B00138321



Aug 19 2002 11:00 AM

MILDENBERG BOENDER

997-4358

4109970298

08/16/2002 15:53

2/26/03  
Propane  
tank  
location  
40' from  
well  
OK  
RN  
B00140432

Sept 15  
pumped off  
site

