

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
 INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
 INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

*04-366484*

ISSUE DATE: 6/10/2002

P 517311

APPROVAL DATE: 6/20/02

A 511939-c

**PERMIT  
INDEXED**

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

K & K Excavating IS PERMITTED TO INSTALL  ALTER

ADDRESS: 14960 Frederick Road, Woodbine PHONE NUMBER: 410-442-1336

SUBDIVISION: Wellington West III LOT NUMBER: 4

ADDRESS: 2959 Hunt Valley Drive PROPERTY OWNER: Selfridge Builders

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

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

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 300 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved site plane. Run trenches on contour.
NOTES:	<i>Trenches 10' cts</i>

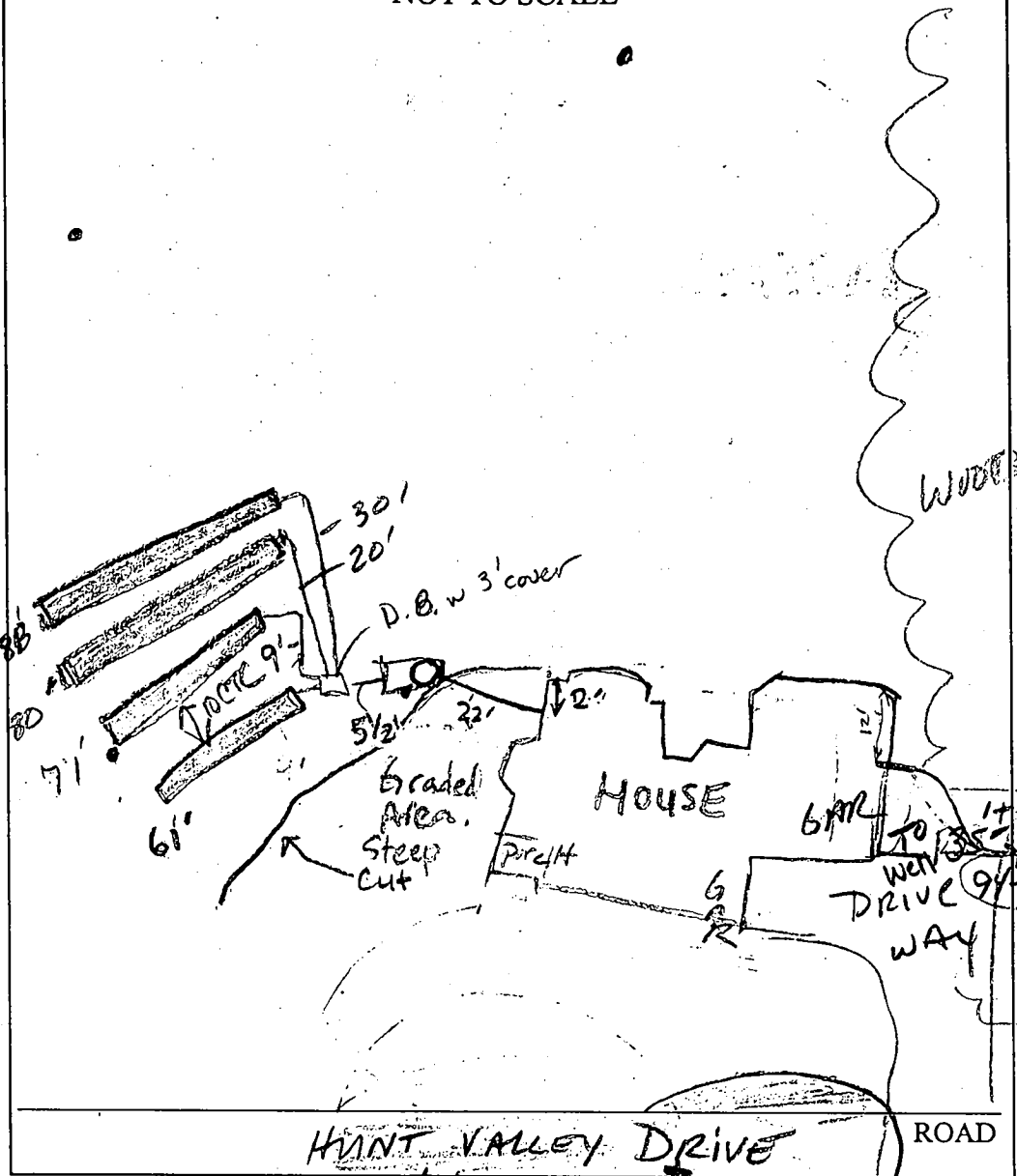
PLANS APPROVED: Steven R. Krieg *OK 5/2/02* (SC) DATE: 4/16/2002

NOTES: PERMIT VOID AFTER 2 YEARS  
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
 WATERTIGHT SEPTIC TANKS REQUIRED  
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
 CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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  
 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

*A511939-c*

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	4 1/2'	6.5'
NUMBER OF TRENCHES		4
TOTAL LENGTH		300'
ABSORPTION AREA		900 ft <sup>2</sup>
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		yes
DISTRIBUTION BOX PORT		No

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	yes
CAPACITY	1500 GAL
SEAM LOC	T.S
TANK LID DEPTH	3 1/2'
BAFFLES	yes
BAFFLE FILTER	N/A
MANHOLE LOC	front
6" PORT LOC	—
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 6/6/02 Discussed layout of area w/ing Lot 2. Fill has to be removed where S.T. goes. Trenches for BP, Stated, contour as shown (Sc)

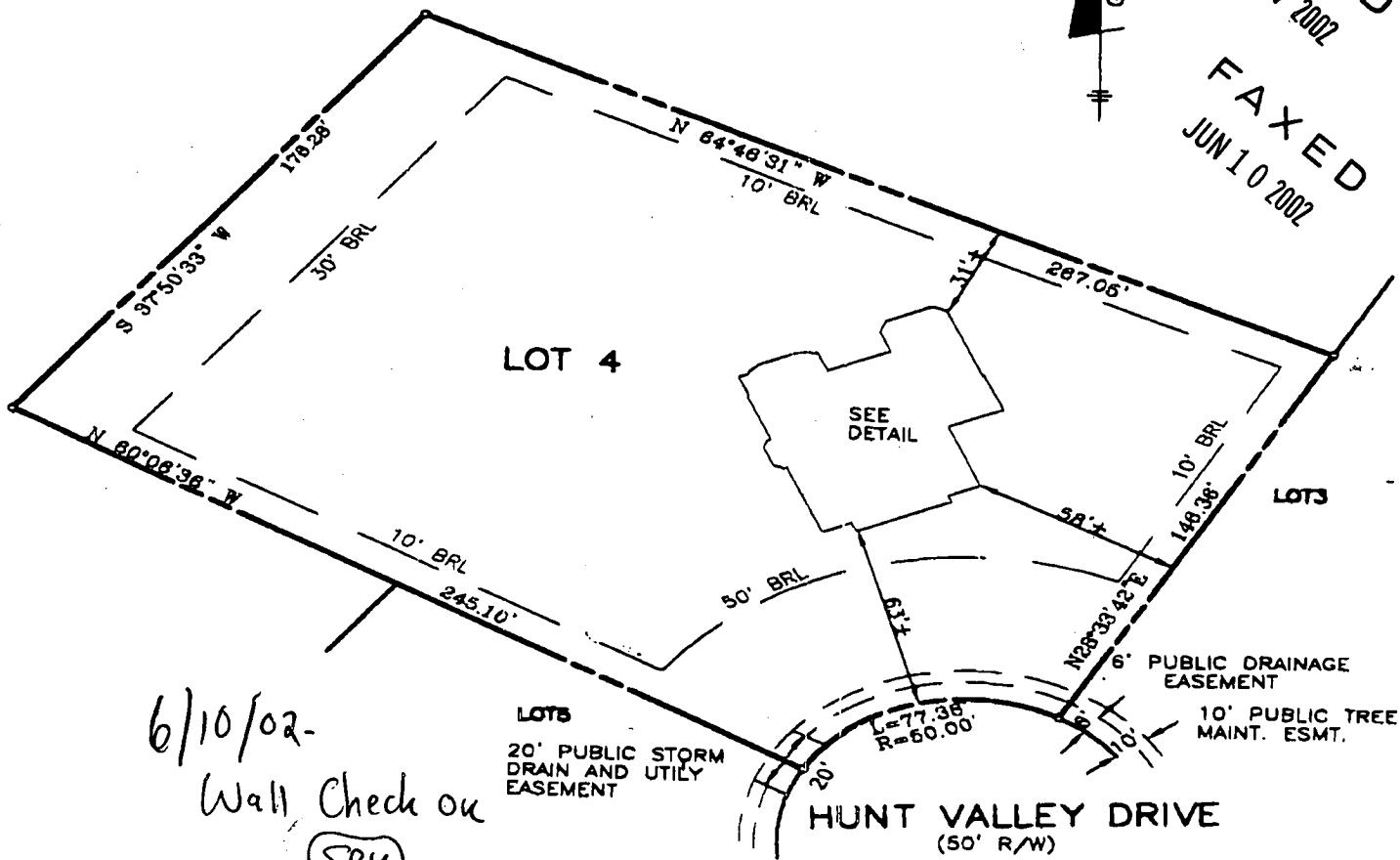
INSTALLATION 6/18/02 10' CTC. Measurement from 1st trench to house not taken due to construction conditions - fencing & grading. First three trenches completely covered, including manhole, upon my arrival at 11:15 A.M. (45 min early) D.B. level? No levelers, no water test. Need House conn. D.B. with 3' cover. LAST TRENCH OPEN; 4' to top of stone above pipe. KN 6/20/02 - SPOKE TO OLEN REGARDING DB BOX & TRENCHES OVER TELEPHONE, HE VERIFIED THAT D.B. BOX WAS LEVEL (SRX)

9/17/02 WPE not ready. @ 2:30 - Need electrician.

FINAL INSPECTOR Steven R. Krueg DATE OF APPROVAL 6/20/02

FAXED JUN 07 2002  
FAXED JUN 10 2002

FOREST CONSERVATION  
EASEMENT 1  
-RETENTION-



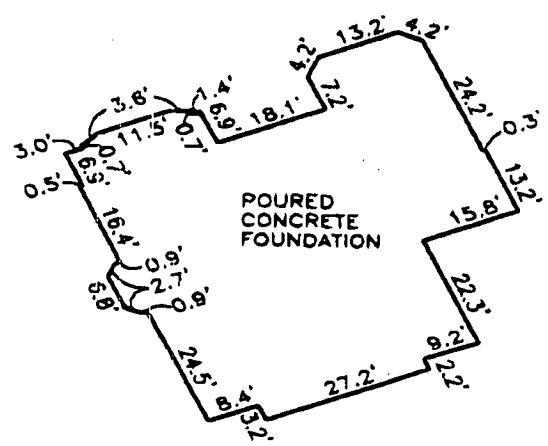
6/10/02-  
Wall Check on  
SRW

TOP OF FOUNDATION WALL ELEVATION = 533.1'  
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 06/05/02; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY BENCHMARK ENGINEERING, INC. ENTITLED "THE WOODS OF WELLINGTON LOTS 1 THRU 24", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 15288

*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. 15288  
FEMA FIRM No. 240044 0014 B  
ZONE: C  
DATED: 12/04/88



**FOUNDATION DETAIL**  
SCALE: 1" = 30'

**WALL CHECK**  
**THE WOODS OF WELLINGTON**  
LOT No. 4

2959 HUNT VALLEY DRIVE  
4TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: 06/05/02

06/07/02

**BENCHMARK**  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE & SUITE 418  
DUBLITT CITY, MARYLAND 21043  
PHONE 410-488-8188 & FAX 410-488-8844  
EMAIL: [David@benchmarkeng.com](mailto:David@benchmarkeng.com)



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: Pipe-Rite Plumbing Telephone #: 410-788-3096  
Address: 405 Laganella Ave  
Baltimore MD 21228

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation: \_\_\_\_\_ License# 2214

Name (Print): George Baker  
\*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: Pearson Telephone #: \_\_\_\_\_  
Subdivision: Wilmington III Lot #: 4 Well Tag #: HO-94-2938  
Site Address: 2959 Hunt Valley Drive

Submersible Pump Data

Make: Mitsubishi  
Model #: S2972-5  
Pump Capacity: 5 GPM  
Well Yield: 15 GPM

Pitless Adapter

Make: Martinson  
Model #: B10X  
Depth: 48 (36" min)  
NSF approved:

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 266 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 bolts:

Piping to house

Type: Plastic  
PSI: 160 (160 psi min)  
Depth of supply line: 48 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration:   
Approximate length of sleeve: 5'  
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.

Signature of company representative responsible for installation: George Baker date: 10-02-02

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

Date Insp. Requested: 9/17/02 Date Insp. Approved: 11/12/02  
Inspection Data: Pitless adapter and water supply line at least 36" below grade  KN  
Two piece cap installed and attached to casing, securely  KN  
Elec. conduit extends at least 18" below grade/attached to cap properly  **BB**  
Safety rope installed inside of well casing   
Correct well tag attached properly and casing 5" above finished grade  KN  
Water supply line sleeved adequately at house connection  KN  
Adequate grout observed below pitless adapter  KN

11/12/02  
Talked to Doug of Selbridge  
he said conduit is 2'-3' below grade. Cassell Labs said cap o.k.

**BB**

C1 0258

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER 13

02584 3/23/01

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-94-2938

OWNER SDC STREET OR RFD Hunt Valley Drive TOWN Glenwood SUBDIVISION Wellington, Sect. III SECTION LOT 4

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Sand and Gray Mica Rock.

GROUTING RECORD form with fields for GROUTING MATERIAL (CM, BC), NO. OF BAGS (6), NO. OF POUNDS (564), GALLONS OF WATER (36), DEPTH OF GROUT SEAL (0 to 19 ft).

CASING RECORD form with fields for casing types (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (21).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form with fields for screen type (ST, BR, HO, PL, OT) and depth (20 to 260).

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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...

DRILLERS LIC. NO. 1 M S D O 24 DRILLERS SIGNATURE

LIC. NO. 1 M S D O 27

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

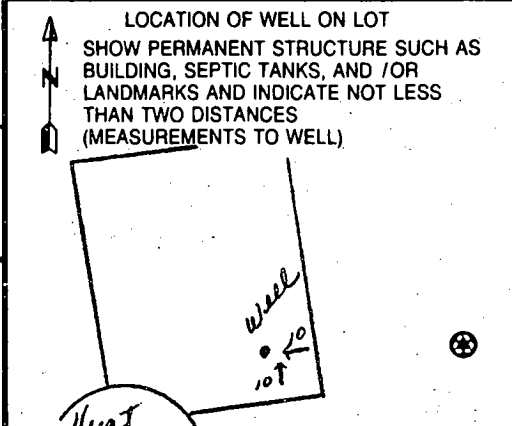
Table with columns: E, A, C, H, S, R, E, N and rows for depth measurements (20, 260).

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

PUMPING TEST form with fields for HOURS PUMPED (3), PUMPING RATE (15), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (47 ft before, 62 ft when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31 to 35), PUMP HORSE POWER (37 to 41), PUMP COLUMN LENGTH (43 to 47), CASING HEIGHT (+ above, - below).







B 1 03764

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-2938

fill in this form completely

W514902 please print or type

Date Received (APA) 12/29/00

OWNER INFORMATION

Security Development Group P.O. Box 417 Ellicott City Md 21041

LOCATION OF WELL

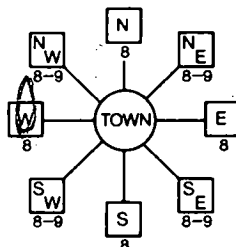
Howard Wellington III Glenwood

MILES FROM TOWN (enter 0 if in town) 1

DRILLER INFORMATION

Joseph L. Mayne MS D 24 Joseph L. Mayne Well Drilling 5512 Ridge Rd. Mt. Airy, Md. 21771

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Hunt Valley Dr.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH

TAX MAP: BLK: PARCEL

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 13 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 01/24/01 CO SIGNATURE EXP. DATE NORTH GRID 528 000 EAST GRID 0786 000

APPROXIMATE DEPTH OF WELL 260 FEET APPROXIMATE DIAMETER OF WELL 6 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 DEEPEINED 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 DEEPEIN AN EXISTING WELL

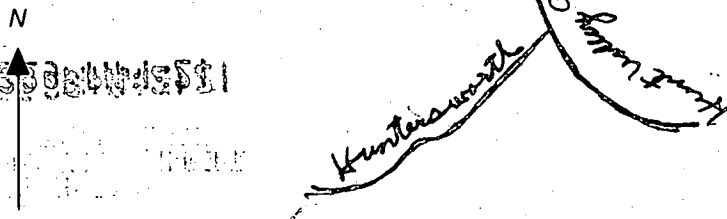
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

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

WRITE THE BOX NUMBER FROM THE MAP HERE

E 780 N 5208

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



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

APPROX. PERMIT NUMBER 10 000 GAP 012(01) PERMIT No HO-94-2938

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

EASEMENT  
RETENTION

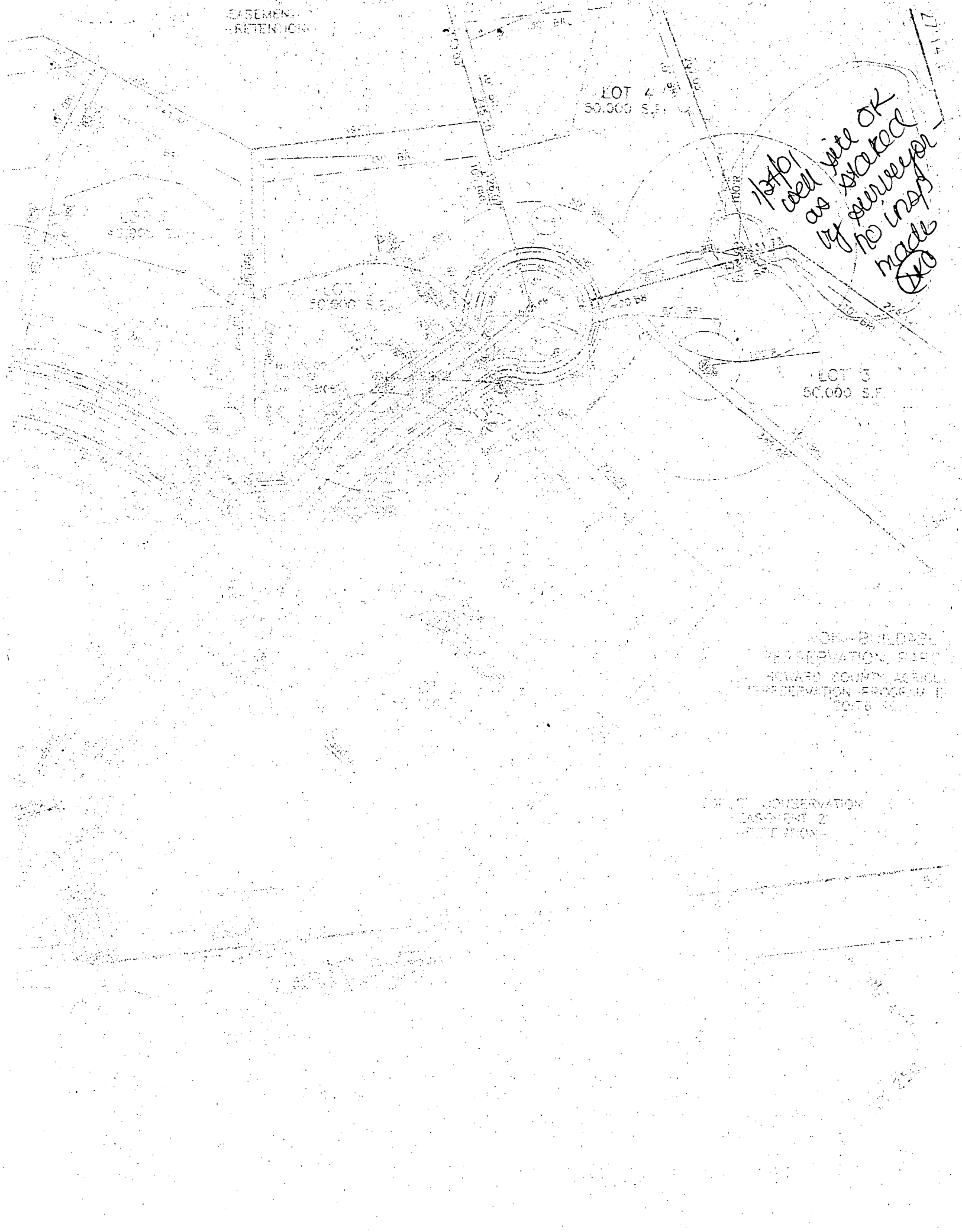
LOT 4  
50,000 S.F.

LOT 5  
50,000 S.F.

137401 well site OK  
as stated  
by surveyor  
made  
OK

NON-BUILDABLE  
PRESERVATION PART  
HOWARD COUNTY LOCAL  
PRESERVATION PROGRAM I  
2008

WETLAND CONSERVATION  
CLASSIFICATION  
DEFINITION



# 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

APRIL 27-28  
MAY 15-16  
12

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 Mike Curvey

ADDRESS P.O. Box 417 E.C. Md 2104 PHONE 410-465-4244

AGENT OR PROSPECTIVE BUYER ~~Hunt Valley Dr~~ SDC Group

ADDRESS \_\_\_\_\_ PHONE 410-443-2509931

### PROPERTY LOCATION:

SUBDIVISION Wellington 3 LOT NO. Lot-1 thru 20 (8) (4)

ROAD AND DESCRIPTION End of Hunt Valley Dr. Glenwood Md

TAX MAP 14 PARCEL # 246

SIZE OF LOT 1 acre TYPE BLDG. Single Family Dwelling  
(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. DM Curvey DM  
(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

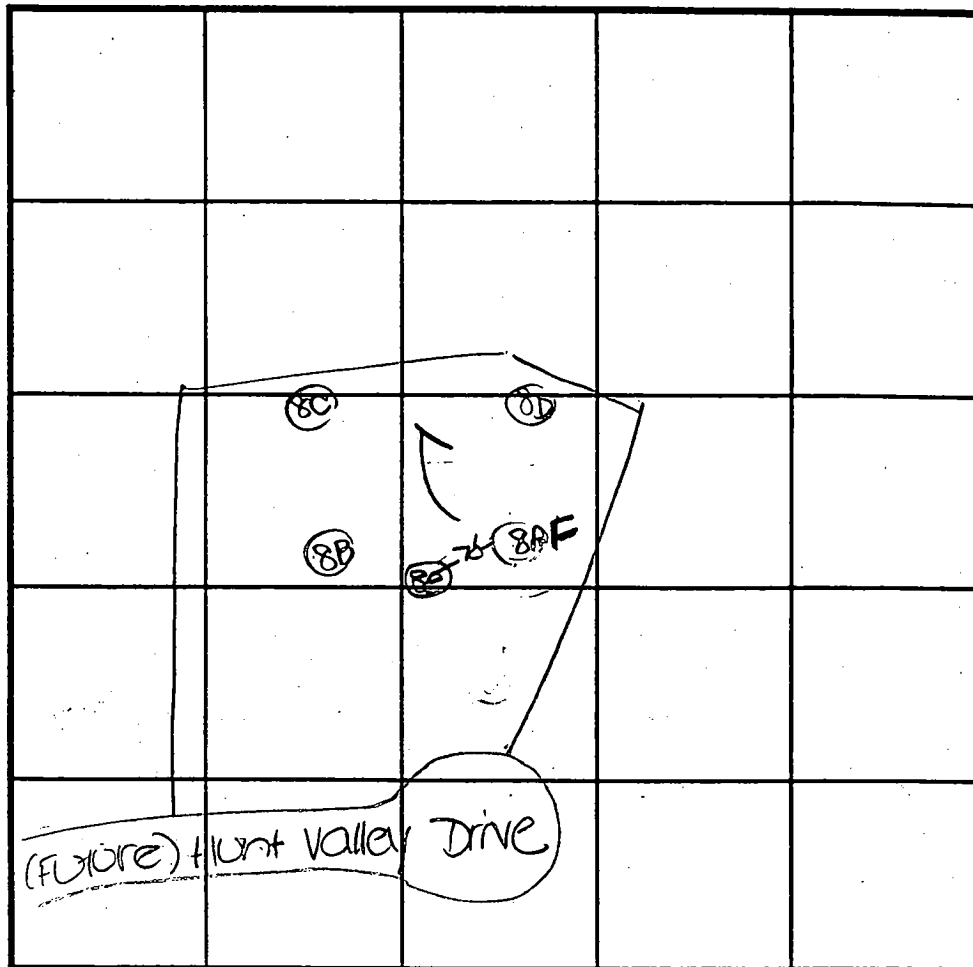
0' 8A  
 1' topsoil  
 org red  
 brn  
 cl Lm  
 4.5'  
 pale  
 org  
 beige  
 si Lm  
 8'  
 750%  
 rock  
 frag  
 11'

8B

0' topsoil  
 1' red brn  
 cl Lm  
 4.5'  
 5' beige  
 si Lm  
 12'  
 25-30%  
 rock  
 frag

8C/8D

0' topsoil  
 1' org red  
 brn  
 cl Lm  
 4'  
 beige  
 si Lm  
 12'  
 10-15%  
 rock  
 frag



SOIL PROFILE

0' 8E  
 1' topsoil  
 red org  
 brn  
 cl Lm  
 4'  
 pale org  
 tan  
 si Lm  
 12'  
 35%+  
 scup  
 sh

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-27-99	8A	11.0'D	Refusal	- See	profile		FAIL
	8B ✓	4.5'S	3:14	little	slow	→	OK below
		12.0'D	Visual	- See	profile		OK
	8C ✓	4.5'S	3:17	3:22	3:22	3:29	7
		12.0'D	Visual	- See	profile		OK
	8D ✓	14.0'D	Visual	- See	profile		OK
5-14-99	8E ✓	12.0'D	Visual	- See	profile		OK

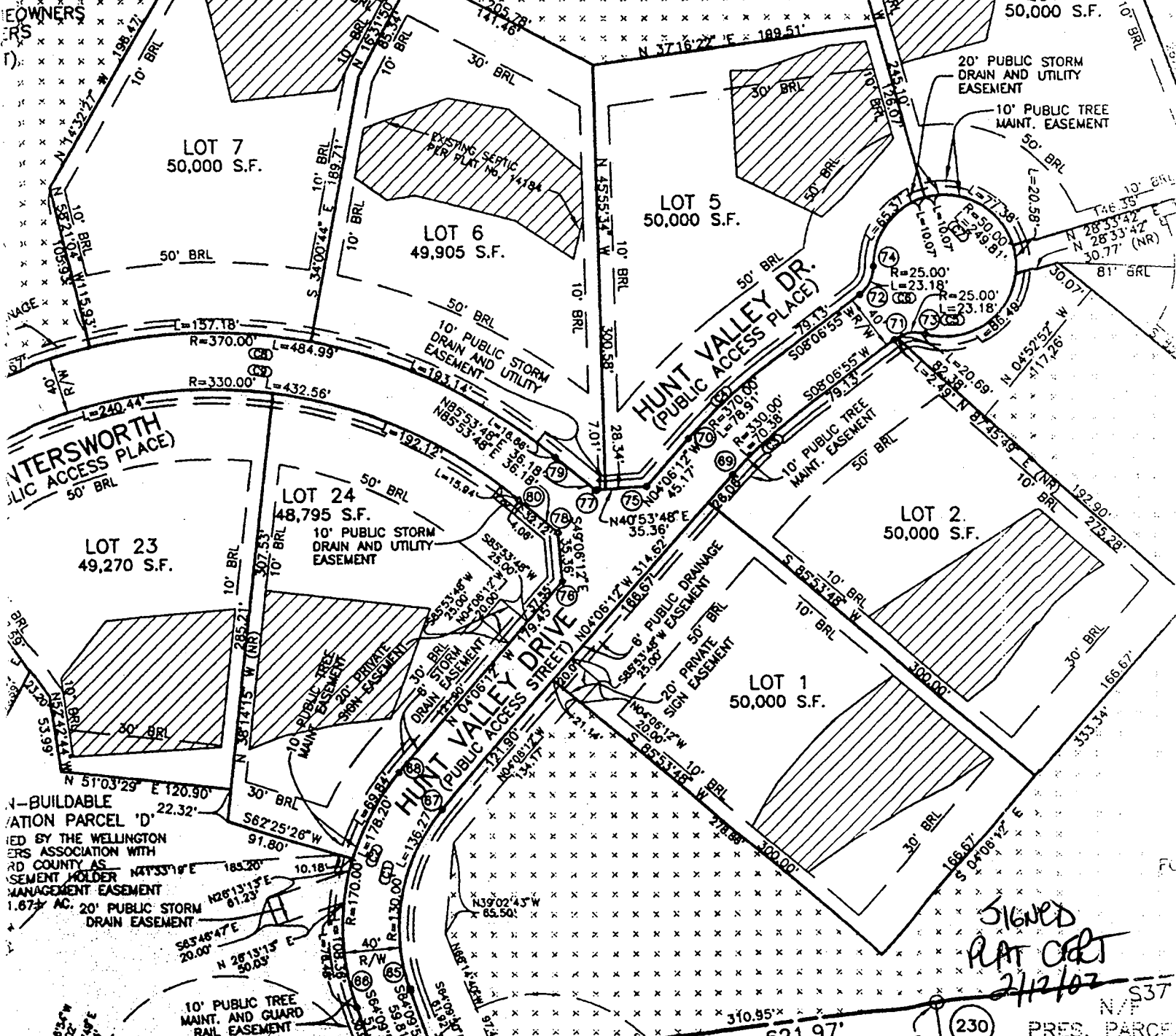
REMARKS \_\_\_\_\_  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY D. See ALSO PRESENT Hartfield's  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_



1738.38'

FOREST CONSERVATION  
RETENTION  
TOTAL AREA 15.53± ACRES  
AREA THIS SHEET 8.12± ACRES

OWNERS



LOT 4  
50,000 S.F.

LOT 7  
50,000 S.F.

LOT 6  
49,905 S.F.

LOT 5  
50,000 S.F.

LOT 24  
48,795 S.F.

LOT 23  
49,270 S.F.

LOT 2  
50,000 S.F.

LOT 1  
50,000 S.F.

N-BUILDABLE  
PARCEL 'D'  
RESERVED BY THE WELLINGTON  
OWNERS ASSOCIATION WITH  
ROAD COUNTY AS  
EASEMENT HOLDER  
MANAGEMENT EASEMENT  
1.87± AC. 20' PUBLIC STORM  
DRAIN EASEMENT

Signed  
RAT CRT  
2/12/02

37  
PRES. PARCE