

LAYOUT 4 WPI 6/27 10AM INSP 4 _____
 INSP 2 7/1/03 12:30 INSP 5 _____
 INSP 3 7/3/03 INSP 6 _____

ISSUE DATE: 6/13/2003

APPROVAL DATE: 7/3/03

**PERMIT
INDEXED**

P 519014

A 511517-S

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 03-339505**

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL ALTER

ADDRESS: 3 N Main Street, Mt Airy PHONE NUMBER: 1-800-682-6726

SUBDIVISION: Fox Creek LOT NUMBER: 24

ADDRESS: 12332 Fox Creek Court MEADOW LAKE PROPERTY OWNER: NVR., Inc.

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 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved site plan. Run trenches on contour. Place the septic tank in an appropriate location so as not to be influenced by grading swales.
NOTES:	Basement service by gravity is proposed.

PLANS APPROVED: Steven R. Krieg OK/MR DATE: 1/31/2003

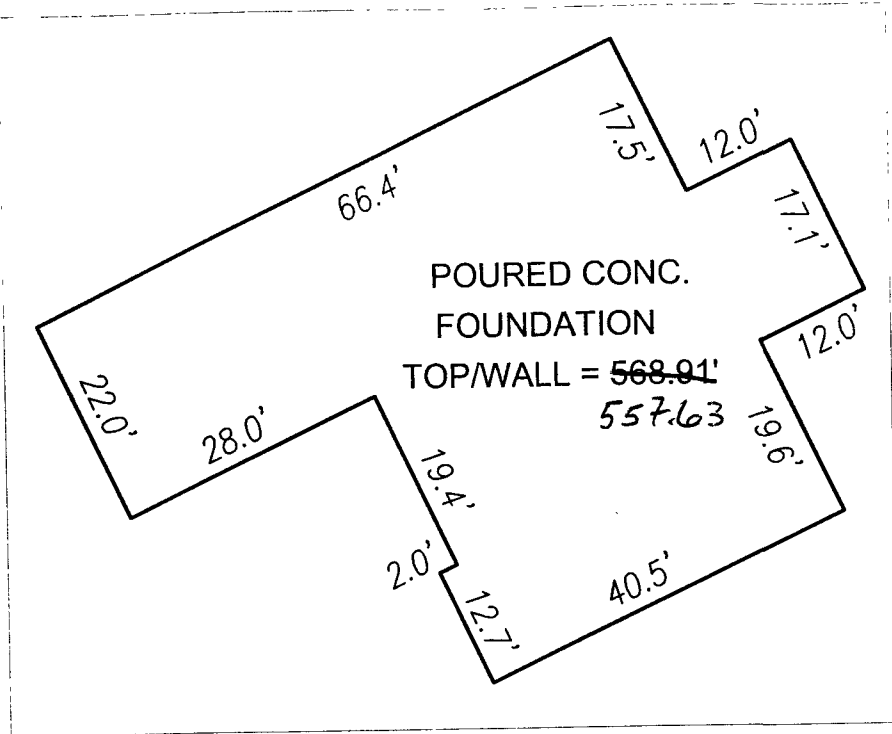
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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
 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

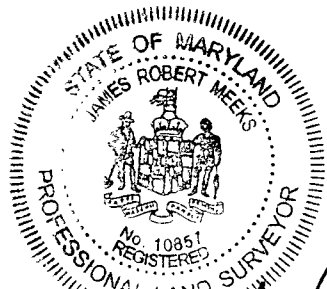
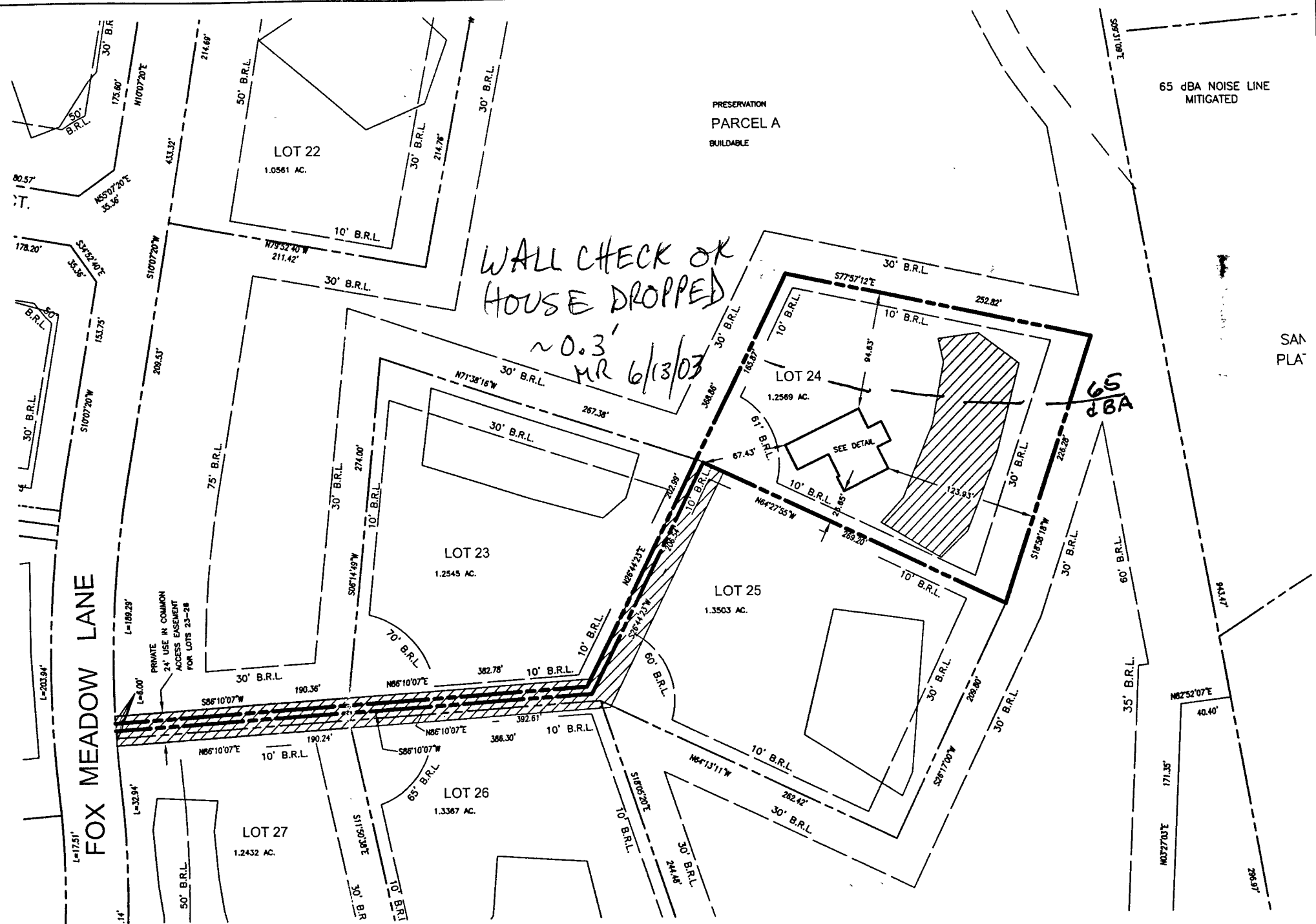
**BUILDING PERMIT SIGNED
 AND RETURNED**

11604-606145274-DECK

A51519-5



FOUNDATION DETAIL
SCALE: 1"=20'



James R. Meeks
5/29/03

SCALE	DATE
1" = 100'	05/28/03
DRAWN BY	CHECKED BY
S.HECK	JRM
PLAT NUMBER	FWA JOB NUMBER
15647	2024059



FREDERICK WARD ASSOCIATES
ARCHITECTS | ENGINEERS | PLANNERS | SURVEYORS |

7125 Riverwood Drive
Columbia, Maryland 21046-2354
410-720-6900
410-720-6226 fax

REGIONAL OFFICES
Bel Air, Maryland and Warrenton, Virginia
www.frederickward.com

WALL CHECK
LOT 24
FOX CREEK SUBDIVISION

HOWARD COUNTY, MARYLAND

3RD ELECTION DISTRICT

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: Van Sant Plumbing Telephone #: 301-829-0444
Address: 300 Main St
MD 21771

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
Name (Print): Deey Van Sant License# 16926

*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: DV Homes Telephone #: _____
Subdivision: Iron Creek Lot #: 24 Well Tag #: HO-04-3239

Site Address: 22322 Two Meadows Lane
Ellicott City MD 21043

Submersible Pump Data **Pitless Adapter** **Well Cap and Electric Conduit**
Make: Grundfos Make: BIOX Two piece watertight cap:
Model #: 7GS10422 Model #: Danball Screened, vented well cap:
Pump Capacity _____ GPM Depth: 42 (36" min) Cap secured to casing:
Well Yield: _____ GPM NSF approved: yes Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 500 (feet) Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt _____

Piping to house **House Connection**
Type: Polyethylene PVC sleeved to undisturbed soil at wall penetration: 15
PSI: 200 (160 psi min) Approximate length of sleeve: 15
Depth of supply line: 2 (36" min) 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: _____ date: 8/5/03

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

Date Insp. Requested: 6/27/03 Date Insp. Approved: 6/27/03 (50) SRK
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

1 12137 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

ST/CO USE ONLY DATE RECEIVED MM DD YY 5 10 02

DATE WELL COMPLETED MM DD YY 5 10 02 DEPTH OF WELL 550 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3239

OWNER IKO TENANT DEVELOPMENT STREET OR RFD FOX HUNT COURT TOWN WEST FRIENDSHIP MD SUBDIVISION FOX CREEK SECTION LOT 29 24

WELL LOG Not required for driven wells

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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: BROWN SAND 0-26, BLUE SLATE 26-300, BLUE SLATE 300-550.

THIS WELL WAS DEEPENED FROM 300' TO 550' AFTER IT WAS TEST PUMPED

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 9 NO. OF POUNDS 846 GALLONS OF WATER 54 DEPTH OF GROUT SEAL 0 to 33 ft.

CASING RECORD

MAIN CASING TYPE (S) (T) (P) (L) (C) (O) (J) (S) Nominal diameter top (main) casing 6 Total depth of main casing 34

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) diameter of screen 33

DEPTH (nearest ft.) 33 550

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

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

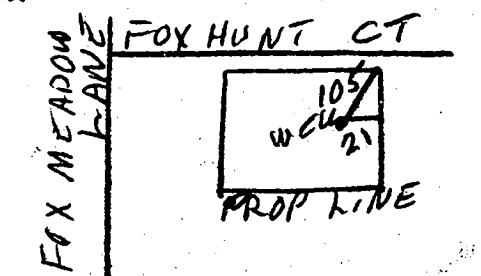
HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 1 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 35 ft. WHEN PUMPING 550 ft. TYPE OF PUMP USED (for test) (A) (P) (T) (C) (R) (O) (J) (S)

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 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 () below LAND SURFACE 1 (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)



SEQUENCE NO. (MDE 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 TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
 COUNTY NUMBER 13

ST/CO USE ONLY
 DATE RECEIVED
 MM DD YY
 8 13

DATE WELL COMPLETED
 MM DD YY
 10 31 01

Depth of Well
 22 300 26
 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HO-94-3239
 28 29 30 31 32 33 34 35 36 37

OWNER IKO-Tennant Development
 STREET OR RFD Fox Hunt Court TOWN West Friendship MD
 SUBDIVISION Fox Creek SECTION _____ LOT 24

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	
BROWN SHALE	0	26	
BLUE SLATE	26	300	✓

WATER AT 43'

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 9 NO. OF POUNDS 846
 GALLONS OF WATER 54
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 33 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 34
 60 61 63 64 66 70

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 HO OPEN HOLE
 PL PLASTIC OT OTHER
 DEPTH (nearest ft.)
 1 10 2 30 3 300
 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)
 58 60
 from _____ to _____

NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED Y N

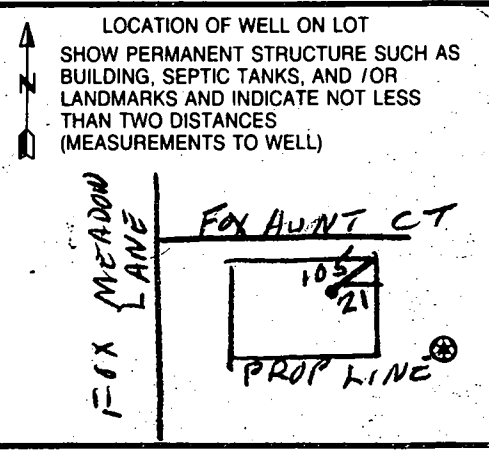
CIRCLE APPROPRIATE LETTER
 A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
 E ELECTRIC LOG OBTAINED
 P TEST WELL CONVERTED TO PRODUCTION WELL
 I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS 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. MWD 139
Robert Plone
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. MWD 536
Robert Plone Jr.
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2
 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 _____
 70 _____ 72 _____ 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
 PUMPING TEST
 HOURS PUMPED (nearest hour) 6
 PUMPING RATE (gal. per min.) 1
 METHOD USED TO MEASURE PUMPING RATE Spot check
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 35 ft.
 WHEN PUMPING 162 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
 (-) below } 1 (nearest foot)
 49 50 51



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3239
 Location of property (road) Fox Hunt Court 124
 Subdivision FOX Creek Lot 23 Block 162 Plat Sec.
 Well Driller Cline and Duvall Owner Iko-Tennant Development

Depth of well 300
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 35

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12
 Total time 30 MIN to reach pumping water level 162 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)
8:30	35	25 SECONDS		12
8:45	130	25 "		12
8:55	161	25 "		12
9:00	162	5 MINUTES		1
9:15	162	5 "		1
9:30	162	5 "		1
9:45	162	5 "		1
10:00	162	5 "		1
10:15	162	5 "		1
10:30	162	5 "		1
10:45	162	5 "		1
11:00	162	5 "		1
11:15	162	5 "		1
11:30	162	5 "		1
11:45	162	5 "		1
12:00	162	5 "		1
12:15	162	5 "		1
12:30	162	5 "		1
12:45	162	5 "		1
1:00	162	5 "		1
1:15	162	5 "		1
1:30	162	5 "		1
1:45	162	5 "		1
2:00	162	5 "		1

B 1 0647 SEQUENCE NO. (MDE USE ONLY)

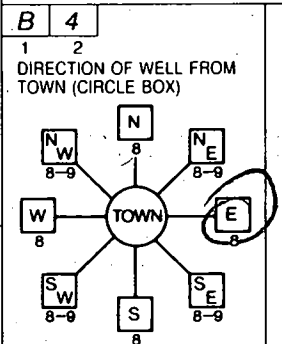
STATE OF MARYLAND PERMIT TO DRILL WELL w514998 please print or type

STATE PERMIT NUMBER HO-94-3239 fill in this form completely

OWNER INFORMATION Date Received (APA) 8 MM DD YY 13 IKD-Tennant Dev. 15 Last Name Owner First Name 34 3403 Olandwood Ct., Suite 101 36 Street or RFD 55 Olney, MD 20832 57 Town 70 State 72 Zip 76

LOCATION OF WELL B 3 Howard 8 COUNTY 21 Fox Creek 23 SUBDIVISION 42 SECTION 44 46 LOT 24 48 50 West Friendship 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 M 73 76 77 78

DRILLER INFORMATION Robert L. Cline M W D 139 76 License No. 81 Cline & Duvall, Inc. 8093 Hillmark Ct., Frederick, MD 21704 Address Robert L. Cline 3/15/01 Signature Date



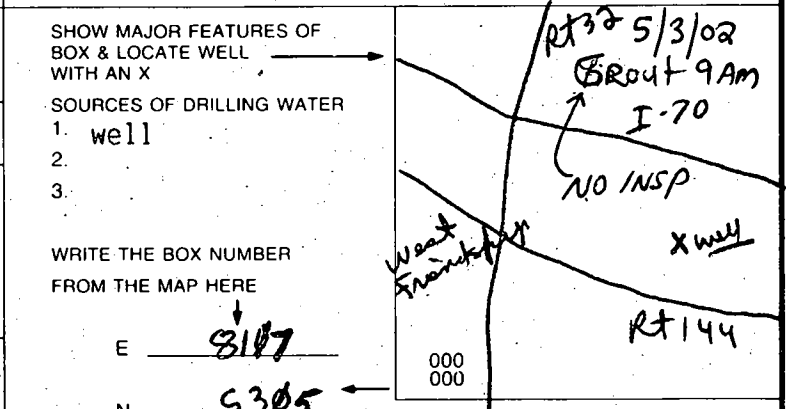
11 Fox Hunt Court 30 NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH 34 25 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 15 BLK: PARCEL 183

WELL INFORMATION APPROX. PUMPING RATE 5 8 12 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 300 14 20 (GAL. PER DAY)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S 41 DATE ISSUED 10/4/2001 Brian Baker 10/4/2002 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 535 000 50 55 EAST GRID 817 000 57 63

- USE FOR WATER (CIRCLE APPROPRIATE BOX) [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION [F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) [I] INDUSTRIAL, COMMERCIAL, DEWATERING [P] PUBLIC WATER SUPPLY WELL [T] TEST, OBSERVATION, MONITORING [G] GEO-THERMAL

APPROXIMATE DEPTH OF WELL 250 24 28 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) 30 CABLE REVerse-ROTary DRive-POINT 37 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 [S] THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS [D] 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 HO 20010001 PERMIT No. HO-94-3239 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS NOTE: APPROVING AUTHORITY'S SHOULD USE SEPARATE SHEET IF NEEDED

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Fox Creek

A 311517-5

STREET NAME: 12332 Fox Creek Ct

LOT NUMBER: 24

AVERAGE PERCOLATION RATE: 2

SQUARE FEET PER BEDROOM: 180

NUMBER OF BEDROOMS: 4

LINEAR FEET OF TRENCH PER BEDROOM: _____

TOTAL LINEAR FEET OF TRENCH: 240

SEPTIC TANK CAPACITY: 1250

TOP SEAMED TANK REQUIRED? YES NO

COMPARTMENTED TANK REQUIRED? YES NO

TRENCH DIMENSIONS: Trench to be 23 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade.

Effective area begins at 2.5 feet below original grade. 42 feet of stone below distribution pipe.

===== PUMPED SYSTEM PROPOSED: YES NO

PUMPED SEPTIC SYSTEM DETAIL: _____ gallon pump chamber.

YES NO Top seamed pump chamber required?

Note 1: Septic pump detail to be provided by installer prior to issuance of septic permit.

Note 2: Pump performance test is necessary prior to Health Department approval of pumped septic system.

===== LOCATION: Place the d. box as shown on the approved site plan. Run trenches on contour
Place the septic tank in an appropriate location so as not to be influenced by grading swales.

ADDITIONAL NOTES: Basement service by gravity is proposed.

Reviewer: SRK

Date: 1/30/03

COUNTY #

SOIL PROFILE

417X

topsoil

org red
brn
cl lm

pale org
tan
to pale
grey
sa lm

hard
sh

hard

417Y

topsoil

org red
brn
cl lm

med org
brn
sa lm

100%
hard
sh

418X

topsoil

red org
brn
cl lm

pale org
brn
sa lm

40%
hard
sh

hard

SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-25-00	417X	11.0'D	Hard R _x	- see profile			FAIL
	417Y	7.5'D	Hard R _x	- see profile			FAIL
	414X	2.5'S	12:22 _z	12:25 _z	12:25 _z	12:29 _z	4
		10.0'D	Hard R _x	- see profile			OK

REMARKS test holes not started

TYPE OF SOIL

TESTED BY DKS ALSO PRESENT C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

..COUNTY #

SOIL PROFILE

417

0' topsoil
1' org lom
cl Lm
w/ sapr
sh

3' pale org
tan
sa Lm
w/ sapr
sh

9.5' 100% +
hard
sh

418

0' topsoil
1' org red
brn
cl Lm

3.5' tan
sa Lm
w/ near
50%
sapr
sh

↓
8.5' hard

SOIL PROFILE

0'

Large empty grid for soil profile data.

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Table with columns: DATE, TEST NO., DEPTH, PRE-WET START, PRE-WET STOP, TEST - 1" DROP START, TEST - 1" DROP STOP, TIME. Contains handwritten entries for tests 417 and 418.

REMARKS holes tested as staked

TYPE OF SOIL

TESTED BY DKS ALSO PRESENT C. Zapp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

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

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 TENNIANT

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION TENNIANT PROPERTY LOT NO. (29)

ROAD AND DESCRIPTION FREDERICK ROAD

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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 #

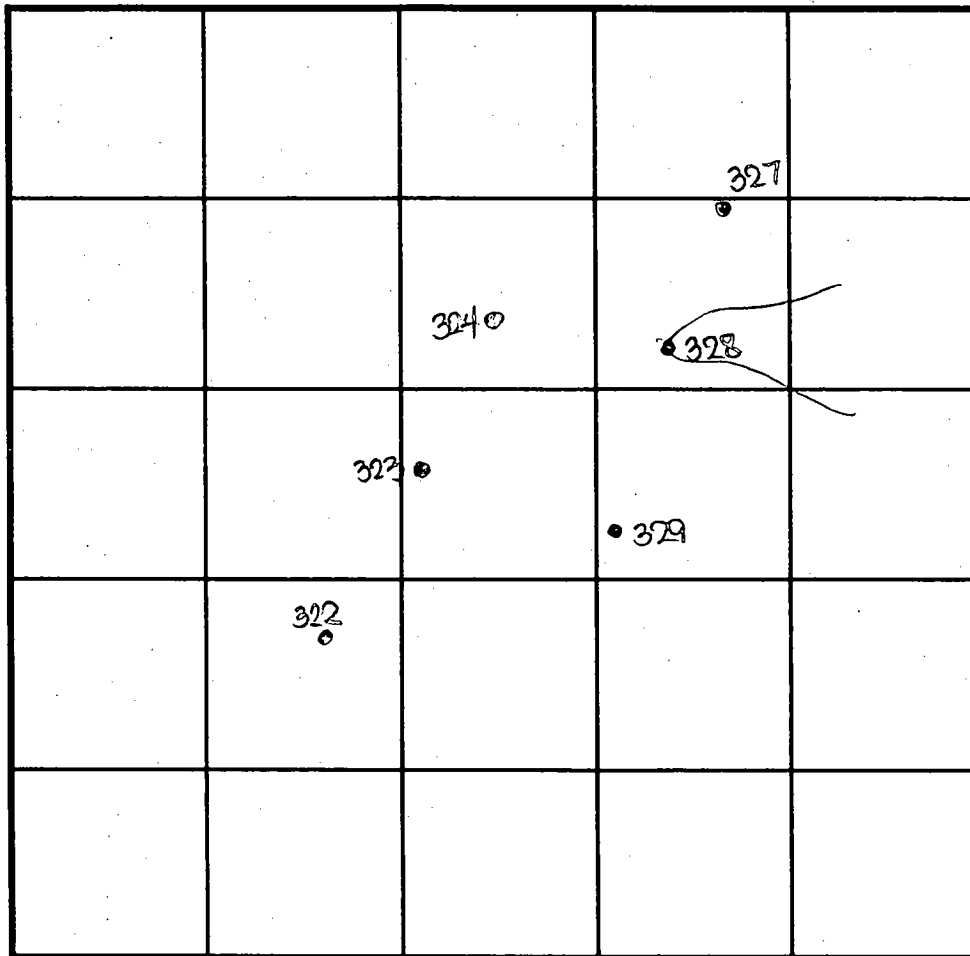
SOIL PROFILE

322/329

0' topsoil
 1' org brn
 cl Lm
 3' pale tan
 beige
 si Lm
 w/mica
 20%
 sapt
 sh
 11.5'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-23-99	322	3.5'S	10:54	10:54 ₂	10:54 ₃	10:56 ₀	2
		11.5' D	Visual	- See	profile		OK
	329	3.0'S	10:58	10:58 ₂	10:58 ₃	11:01	3
		11.5' D	Visual	- See	profile		OK
	323	12.5' D	Visual	- See	profile		OK
	324	3.5'S	11:07 ₃	11:08	11:08	11:09 ₃	2
		11.5' D	Visual	- See	profile		OK
	327	3.5'S	11:13	11:14	11:14	11:16	2
		11.0' D	Visual	- See	profile		OK
	328	11.5' D	Visual	- See	profile		OK

REMARKS holes tested as staked - ODA'S to be 25' off swale

TYPE OF SOIL

TESTED BY D. Soe ALSO PRESENT C. Lepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

0' 323/324
 1' topsoil
 2.5' org red
 brn
 cl Lm
 3' pale
 org tan
 si Lm
 w/mica
 20%
 sapt
 sh
 12.5'

0' 327/328
 1' topsoil
 2.5' org red
 brn
 cl Lm
 3' pale gy
 beige
 si Lm
 30%
 sapt
 sh
 11.5'

SOIL PROFILE

262
 0' top soil
 1' org. brn
 cl. lm
 2.5' tan si
 3' lm
 w/mica
 11.5' 35%+
 sapr sh

(262)

261
 10.5' like 262
 w/ 15-20%
 sapr sh

263

264

265

270
 0' top soil
 1' org. red
 brn
 cl. lm
 2.5' pale org
 br. si
 loam
 w/ mica
 15' 35% saprolite
 sh

268/261
 2.5' top soil
 3' org. brn
 cl. lm
 pale. brn
 si. lm
 w/ mica
 10.5' 15% sapr

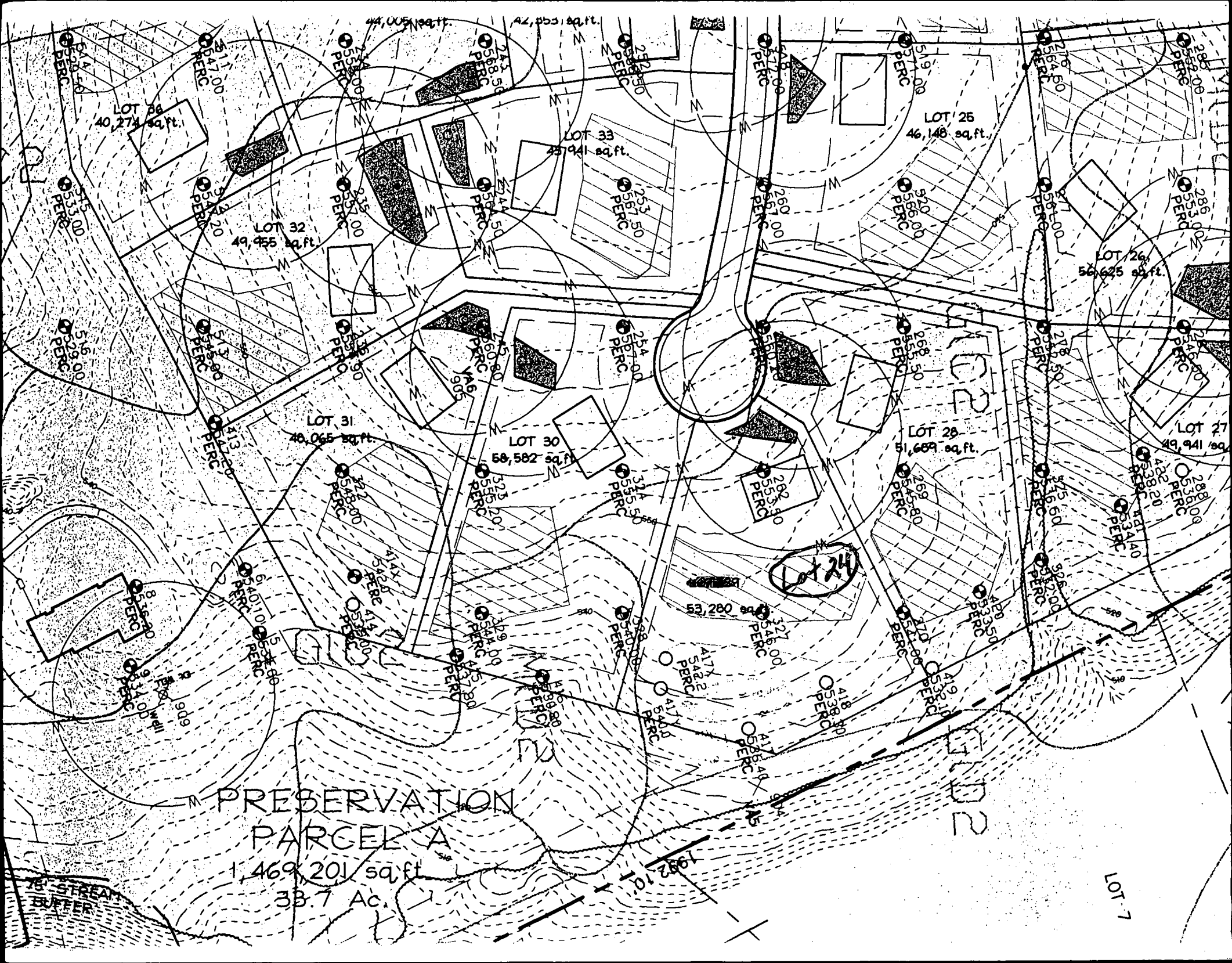
260
 2' top soil
 2.5' org. brn
 cl. lm
 pale. org
 brn
 si. lm
 w/ mica
 10.8' 15-20%
 sapr sh

266

267

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-9-00	262	11.5' D	Visual	- see	profile		OK
	270	2.5' S	10:55	10:56	10:56	10:57	2
		12.0' D	Visual	- see	profile		OK
	261	10.5' D	Visual	- see	profile		OK
	268	2.5' S	11:01	11:16	11:16	11:33	17
		12.0' D	Visual	- see	profile		OK
	261	3.0' S	11:21 ₃	11:22 ₀	11:23 ₃	11:24 ₃	2
		10.5' D	Visual	- see	profile		OK
	260	10' 8" D	Visual	- see	profile		OK

TESTED BY D. SOE ALSO PRESENT C. JOPP



LOT 24
40,274 sq. ft.

LOT 33
43,941 sq. ft.

LOT 25
46,148 sq. ft.

LOT 32
49,455 sq. ft.

LOT 26
56,625 sq. ft.

LOT 31
40,065 sq. ft.

LOT 30
58,582 sq. ft.

LOT 28
51,689 sq. ft.

LOT 27
49,941 sq. ft.

LOT 29
53,280 sq. ft.

PRESERVATION
PARCEL A
1,469,201 sq. ft.
33.7 Ac.

25' STREAM
BUFFER

LOT 7

TO L
MAINTAINEL

FOX

LOT 22

PERIMETER 13
670' BUFFER

LOT 26

LOT 24

LOT 25

SPS

AFP

3FP

AQP

2FP

4AR

2AR

3PS

3AR

15' BUFFER

BOND #2
PRIVATE EXTENDED
ORIENTATION FACILITY
107R. WSE-610.57
107TR. WSE-611.51
107TR. WSE-612.04

PERIMETER 12
930' BUFFER

VED
ED BY
Q.A.
ION
RIVATION
ENT 2
C

1952

TEMPORARY DRIVE
TO BE REMOVED

ES STRUCTURE
TO RETAIN

BUILDABLE
PRESERVATION PARCEL A
TO BE PRIVATELY OWNED
EASEMENT HOLDERS TO BE THE HOA
AND HOWARD COUNTY

N67°03'27"E

N 59°5'15" E 1330500

215.65'

ANCHOR POSTS SHOULD BE
MINIMUM 4" DIA. 16' CH
TOP 2" X 2" TIMBER, 6' CH

USE BY

PRIVATE NOISE LINE

BUILDABLE PRESERVATION PARCEL A
AREA THIS SHEET = 458897 SQ. FT.
TOTAL AREA = 10,5371 ACRES
TO BE PRIVATELY OWNED
EASEMENT AND HOWARD COUNTY
AND THE H.O.A.

F-01-163

LOT 22
6005 SQ. FT.
1.0561 AC.
N79°52'40"W 211.42'
N17°39'10"E 441.1'

LOT 24
54751 SQ. FT.
1.2569 AC.
S77°57'12"E 252.82'
S68°8'6"E 1635.87'

LOT 25
58819 SQ. FT.
1.3503 AC.
N64°27'55"W 269.20'
S25°17'00"W 209.80'

LOT 23
54645 SQ. FT.
1.2545 AC.
N71°38'16"W 267.38'
S06°14'49"W 274.00'

LOT 26
58225 SQ. FT.
1.3367 AC.
N86°10'07"E 382.78'
S86°10'07"W 386.30'

LOT 27
54153 SQ. FT.
1.2432 AC.
N86°10'07"E 190.36'
S86°10'07"W 190.24'

LOT 5
19990 SQ. FT.
0.4576 AC.
S10°07'20"W 1209.53'

LOT 13
10408.42 SQ. FT.
0.2392 AC.
N04°08'42"E 219.05'

LOT 28, P/O LOT 13 & 14
N85°20'12"E 219.05'

OWNER
RICHARD W. TENNANT
MARY L. TENNANT
12256 FREDERICK ROAD
ELLICOTT CITY, MARYLAND
21042

LANE
S83°59'57"W
S203.94'
S12.00'
S12.00'
S32.35'
L=6.00' PRIVATE USE IN COMMON FOR LOTS 23-28 ACCESS EASEMENT

FOX MEADOW
S81°52'53"E 251.37'
S73°32'38"E 228.59'

FOR CONTINUATION SEE SHEET 2

BUILDABLE PRESERVATION

408

407

406

405

483

427

471

484

469

943.47'

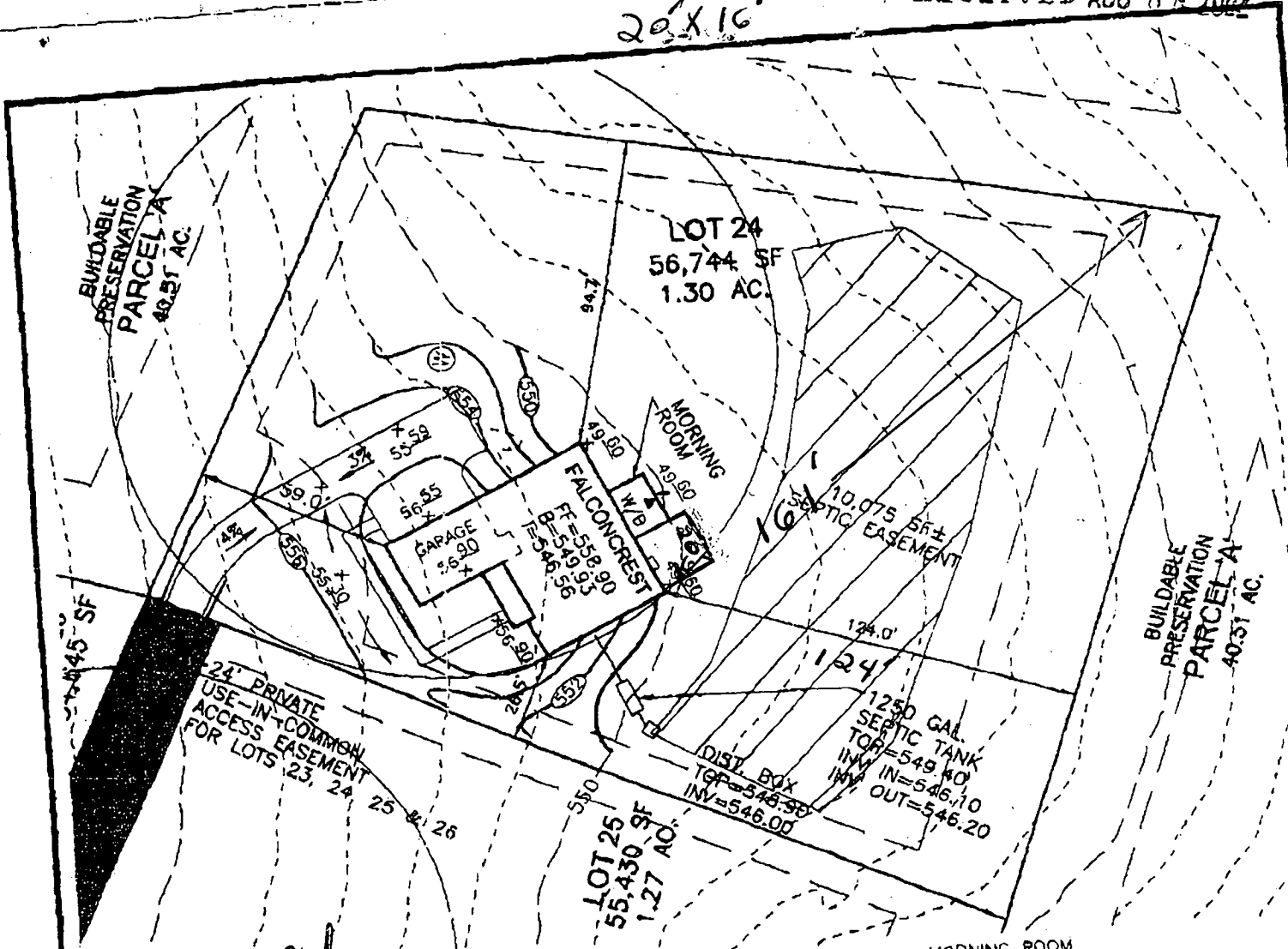
N82°52'1"

S74°0'

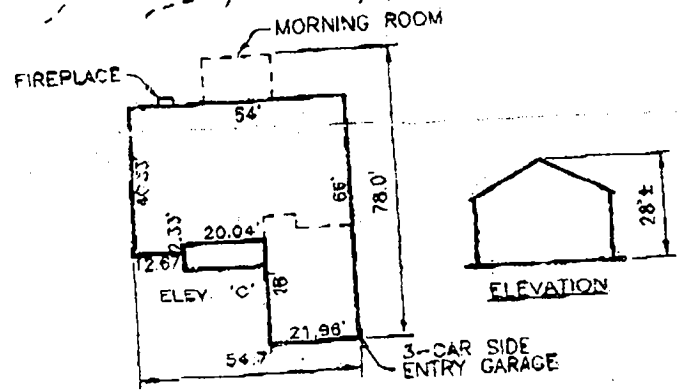
BERNARD / ...

RECEIVED AUG 13 2002

20' x 16'



800 145274
 11/16/04
 Deck proposal
 approved
 RN



FREDERICK WARD ASSOCIATES, INC. PLAN VIEW **FALCONCREST**
 ELEV. 'C'
 1"=50'



7125 Riverwood Drive Columbia, Maryland 21046-2354
 Phone: 410-290-9550 Fax: 410-720-6226
 Bel Air, Maryland Warronton, Virginia

SCALE 1"=50'
 DRAWN BY CMH
 CHECKED BY JCO
 JULY 2002

NVHomes
 FOX CREEK SUBDIVISION
 LOT 24

OK
 8-8-02

PARCEL '183'