

LAYOUT 9/22/03 2PM INSP 4 _____
 INSP 2 9/29/03 10:45 INSP 5 _____
 INSP 3 _____ INSP 6 _____

ISSUE DATE: 8/13/2003 **PERMIT** P 519085
 APPROVAL DATE: 9/25/03 **INDEXED** A 511517-P

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

03-339467

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL ALTER
 ADDRESS: 3 N Main St, Mt Airy, MD 21771 PHONE NUMBER: 1-800-682-6726
 SUBDIVISION: Fox Creek LOT NUMBER: 20
 ADDRESS: 12350 Fox Meadow Lane PROPERTY OWNER: NV Homes, 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: 240
 LINEAR FEET OF TRENCH REQUIRED: 180 HOUSE SERVED BY PUBLIC WATER

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 distribution box as shown on approved site plan. Run trenches on contour.
NOTES:	Gravity bsement service not proposed.

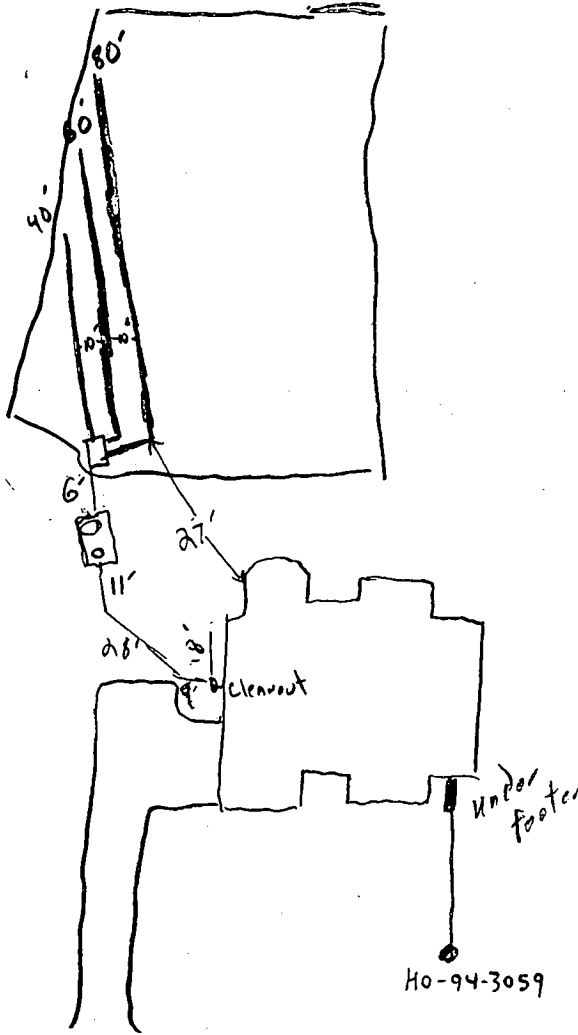
PLANS APPROVED: Steven R. Krieg/Kacie Noonan DATE: 1/30/2003

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 ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A511517-P

NOT TO SCALE



ROAD

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3.0'	3.0'	5.0'
NUMBER OF TRENCHES		3
TOTAL LENGTH		180
ABSORPTION AREA		540 ft ²
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		NONE

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes <input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	top
TANK LID DEPTH	1'
BAFFLES	Yes
BAFFLE FILTER	
MANHOLE LOC	Center
6" PORT LOC	front
WATERTIGHT TEST	
SEPTIC TANK 2 LEVEL	Na
CAPACITY	
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	

PRE-CONSTRUCTION 9/22/03 - SRA stated, contour appears accurate, house
 conn changed. Install 40'/60'/80' trenches (SC) 9/29/03 ok to cover
 INSTALLATION all work (KB/SO)

FINAL INSPECTOR

[Signature]

DATE OF APPROVAL

9/29/03

LOT 19
0.9263 AC.

PRESERVATION
PARCEL A
BUILDABLE

LAND UTILITY EASEMENT



50' B.R.L.

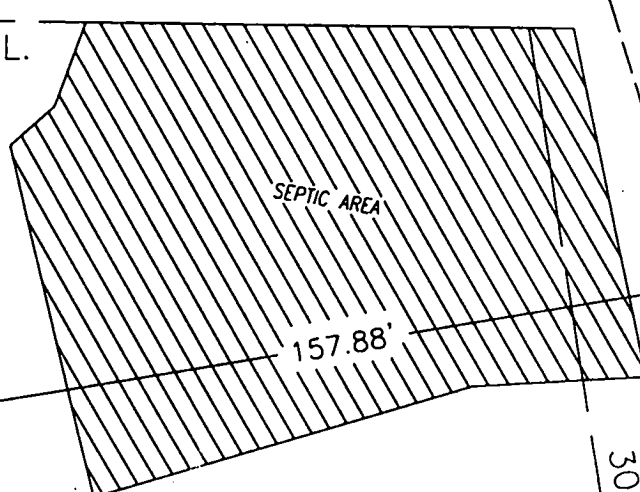
10' B.R.L.

N89°05'46"W 256.44'

R=50.00'
L=32.02'
R=25.00'
L=21.03'

50' B.R.L.

10' B.R.L.



S08°59'21"E

147.33'

LOT 20
1.0869 AC.

30' B.R.L.

10' B.R.L.

271.16'

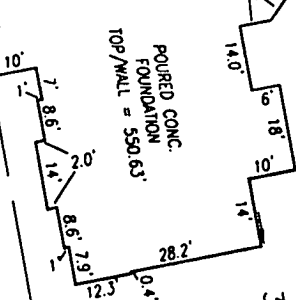
S79°24'17"W

FOX MEADOW LANE
PUBLIC ACCESS STREET - 50' R/W

S10°35'43"E

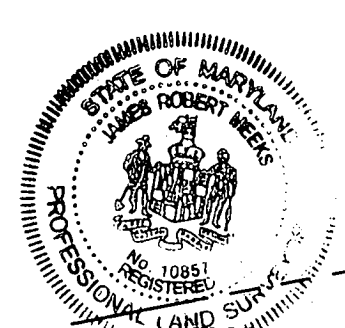
152.46'

50' B.R.L.



20' PRIVATE STORM DRAINAGE
AND UTILITY EASEMENT

PRESERVATION
PARCEL A
BUILDABLE



I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE,
INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE
LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS
EXCEPT AS SHOWN.

8/12
House
moved 5'
toward SDA.
STILL 20'
SEP. DISTANCE
(KN)

PRESERVATION
PARCEL B

LOT 21
7/17/03

James R. Meeks

JAMES ROBERT MEEKS, PROFESSIONAL LAND SURVEYOR #10857 DATE

SCALE 1" = 40'	DATE 07/16/03
DRAWN BY S.HECK	CHECKED BY JRM
PLAT NUMBER 15648	FWA JOB NUMBER 2024059

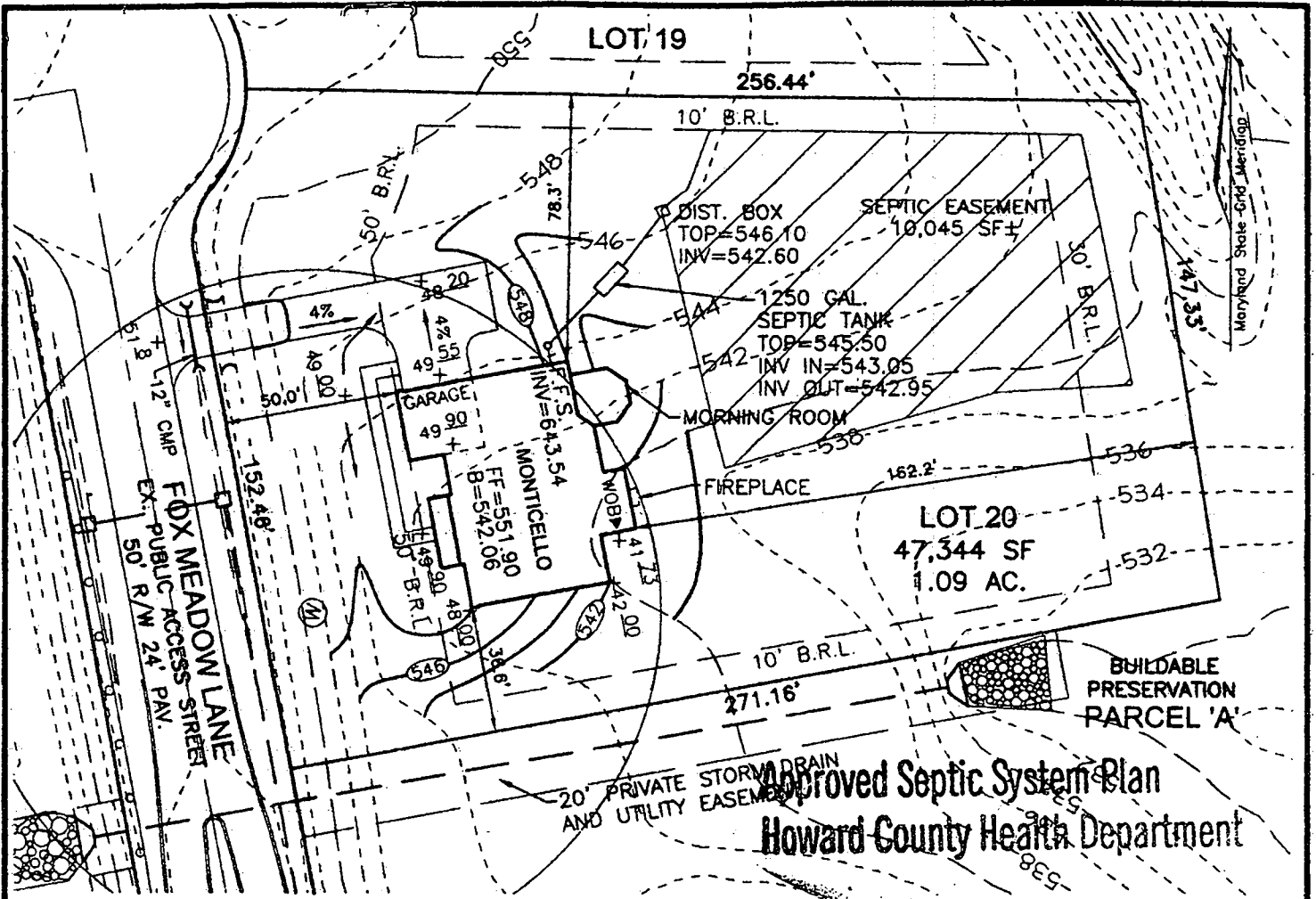
FWA
FREDERICK WARD
ASSOCIATES
www.frederickward.com
REGIONAL OFFICES
Columbia, Maryland and Warrenton, Virginia
ARCHITECTS | ENGINEERS | PLANNERS | SURVEYORS

7125 Riverwood Drive
Columbia, Maryland 21048-2354
410-720-8900
410-720-6226 fax

WALL CHECK
LOT 20
FOX CREEK SUBDIVISION

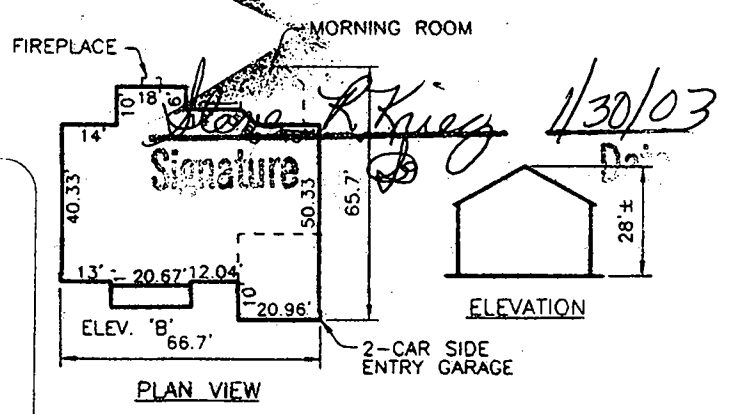
HOWARD COUNTY, MARYLAND 3RD ELECTION DISTRICT

08/09/04



Approved Septic System Plan
 Howard County Health Department

Total linear feet of trench required 240 feet
 Width of trench(es) 3 feet
 Depth of trench(es) 5 feet
 Depth of stone required below distribution pipe 2 feet



FREDERICK WARD ASSOCIATES, INC.

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

SCALE 1"=50'
 DRAWN BY CMH
 CHECKED BY JCO
 DATE JAN. 2003
 W. O. # 2019035.00
 SHEET # 1 OF 1

**NVHomes
 FOX CREEK SUBDIVISION
 LOT 20**

TAX MAP 15 BLOCKS 12 & 18
 TAX MAP BLOCKS 7 & 13
 3RD ELECTION DISTRICT

PARCEL '183'
 HOWARD COUNTY, MARYLAND

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: 2 N Main St
Mt Airy 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): Larry Van Sant License# 16936

*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: MD Homes Telephone #: 410-379-5956
Subdivision: 4th Creek Lot #: 20 Well Tag #: HO-94-3059
Site Address: 12350 Fox Meadow Lane
Ellicott City MD 21043

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Grundfos Make: Kumpel Two piece watertight cap:
Model #: 7650740 Model #: 510K Screened, vented well cap:
Pump Capacity: _____ GPM Depth: 42 (36" min) Cap secured to casing:
Well Yield: _____ GPM NSF approved: _____ Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 300 (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 NO

Piping to House House Connection
Type: 2" Polyethylene PVC sleeved to undisturbed soil at wall penetration: 15
PSI: 200 (160 psi min) Approximate length of sleeve: 15
Depth of supply line: 12 (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] 10.7.03
Signature of company representative responsible for installation date

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

Date Insp. Requested: 9/22/03 Date Insp. Approved: 9/22/03 (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

C1 0705 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 OKSRK 9/19/01

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

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED 8 28 01 Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3059

OWNER IKO STREET OR RFD Fox Meadow Lane TOWN West Friendship SUBDIVISION Fox Creek SECTION LOT 20

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), CHECK IF WATER BEARING. Includes entries for BROWN SHALE and BLUE MICA.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL (CM) (BC) NO. OF BAGS 11 NO. OF POUNDS 1034

CASING RECORD casing types insert appropriate code below (ST) (CO) (PL) (OT) MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40

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

SCREEN RECORD screen type or open hole (ST) (BR) (HO) (PL) (OT) insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) NO (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...

DRILLERS LIC. NO. MWD 139 Robert Clome DRILLERS SIGNATURE

LIC. NO. 1 MWD 536 Robert Clome Jr. SITE SUPERVISOR

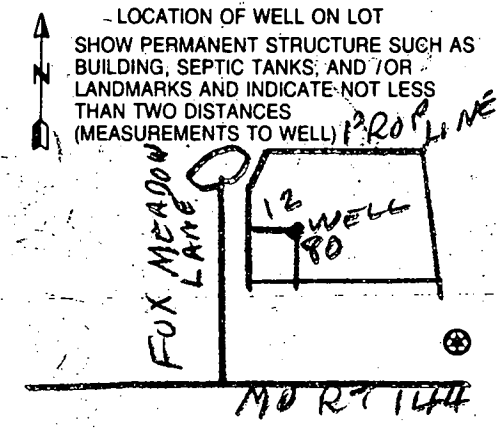
DEPTH (nearest ft.) table with columns 1-21 and rows A-C, S-R, E-N. Includes slot size and diameter of screen information.

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) 6 PUMPING RATE (gal. per min.) 2.72 METHOD USED TO MEASURE PUMPING RATE TIME WATER LEVEL (distance from land surface) BEFORE PUMPING 12 ft. WHEN PUMPING 138 ft. TYPE OF PUMP USED (for test) (S) submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (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. 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 (nearest foot) 1



FIELD DATA SHEET
 HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3059
 Location of property (road) Fox Meadow Lane
 Subdivision Fox Creek Lot 20 Block Plat Sec.
 Well Driller Cline & Duvall Owner IKO

Depth of well 300
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 12

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 10
 Total time 30 MIN to reach pumping water level 138 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	12	30 SECONDS		10
8:45	94	30 " "		10
8:59	135	30 " "		10
9:00	138	1 MIN. 50 SEC.		2.72
9:15	138	1 MIN. 50 SEC.		2.72
9:30	138	1 MIN. 50 SEC.		2.72
9:45	138	1 MIN. 50 SEC.		2.72
10:00	138	1 MIN. 50 SEC.		2.72
10:15	138	1 MIN. 50 SEC.		2.72
10:30	138	1 MIN. 50 SEC.		2.72
10:45	138	1 MIN. 50 SEC.		2.72
11:00	138	1 MIN. 50 SEC.		2.72
11:15	138	1 MIN. 50 SEC.		2.72
11:30	138	1 MIN. 50 SEC.		2.72
11:45	138	1 MIN. 50 SEC.		2.72
12:00	138	1 MIN. 50 SEC.		2.72
12:15	138	1 MIN. 50 SEC.		2.72
12:30	138	1 MIN. 50 SEC.		2.72
12:45	138	1 MIN. 50 SEC.		2.72
1:00	138	1 MIN. 50 SEC.		2.72
1:15	138	1 MIN. 50 SEC.		2.72
1:30	138	1 MIN. 50 SEC.		2.72
1:45	138	1 MIN. 50 SEC.		2.72
2:00	138	1 MIN. 50 SEC.		2.72
2:15	138	1 MIN. 50 SEC.		2.72
2:30	138	1 MIN. 50 SEC.		2.72
2:45	138	1 MIN. 50 SEC.		2.72
3:00	138	1 MIN. 50 SEC.		2.72

HD-225

4

B 1 0627 SEQUENCE NO. (MDE USE ONLY)
 1 2 3 6

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-94-3059
 70 fill in this form completely 79

Date Received (APA) 02/21/01
 8 MM DD YY 13

OWNER INFORMATION

IKO-Tennant Development
 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

B 3 **LOCATION OF WELL**

Howard
 8 COUNTY 21

Fox Creek
 23 SUBDIVISION 42

SECTION 44 46 LOT 28 20
 48 50

West Friendship
 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 1 M I
 73 76 77 78

DRILLER INFORMATION

Robert L. Cline M W D 139
 Driller's Name 76 License No. 81

Cline & Duvall, Inc.
 Firm Name

8093 Hillmark Ct., Frederick, MD 21704
 Address

Robert L. Cline 2-20-01
 Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Fox Meadow Lane
 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 25 37
 DISTANCE FROM ROAD ENTER FT OR MI ft 38 39

TAX MAP: 15 BLK: _____ PARCEL 183

B 2 **WELL INFORMATION**

APPROX. PUMPING RATE (GAL. PER MIN.) 5
 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 300
 14 20

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13
 COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED 02/21/01
 43 MM DD YY 48

Robert L. Cline 4/1/02
 CO SIGNATURE EXP. DATE

NORTH GRID 535000 EAST GRID 0817 000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET
 24 28

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- well
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

E 810

N 530

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

AIR-ROTary AIR-PERmission ROTARY (Hydraulic Rotary)

CABLE REVERSE-ROTary DRIVE-POINT

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

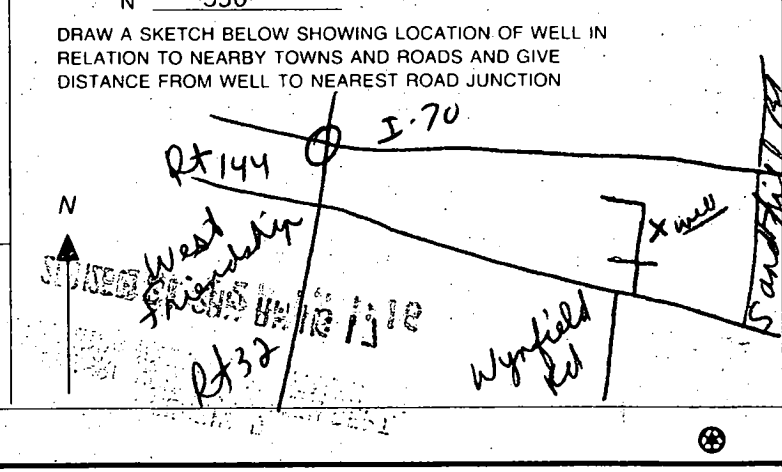
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

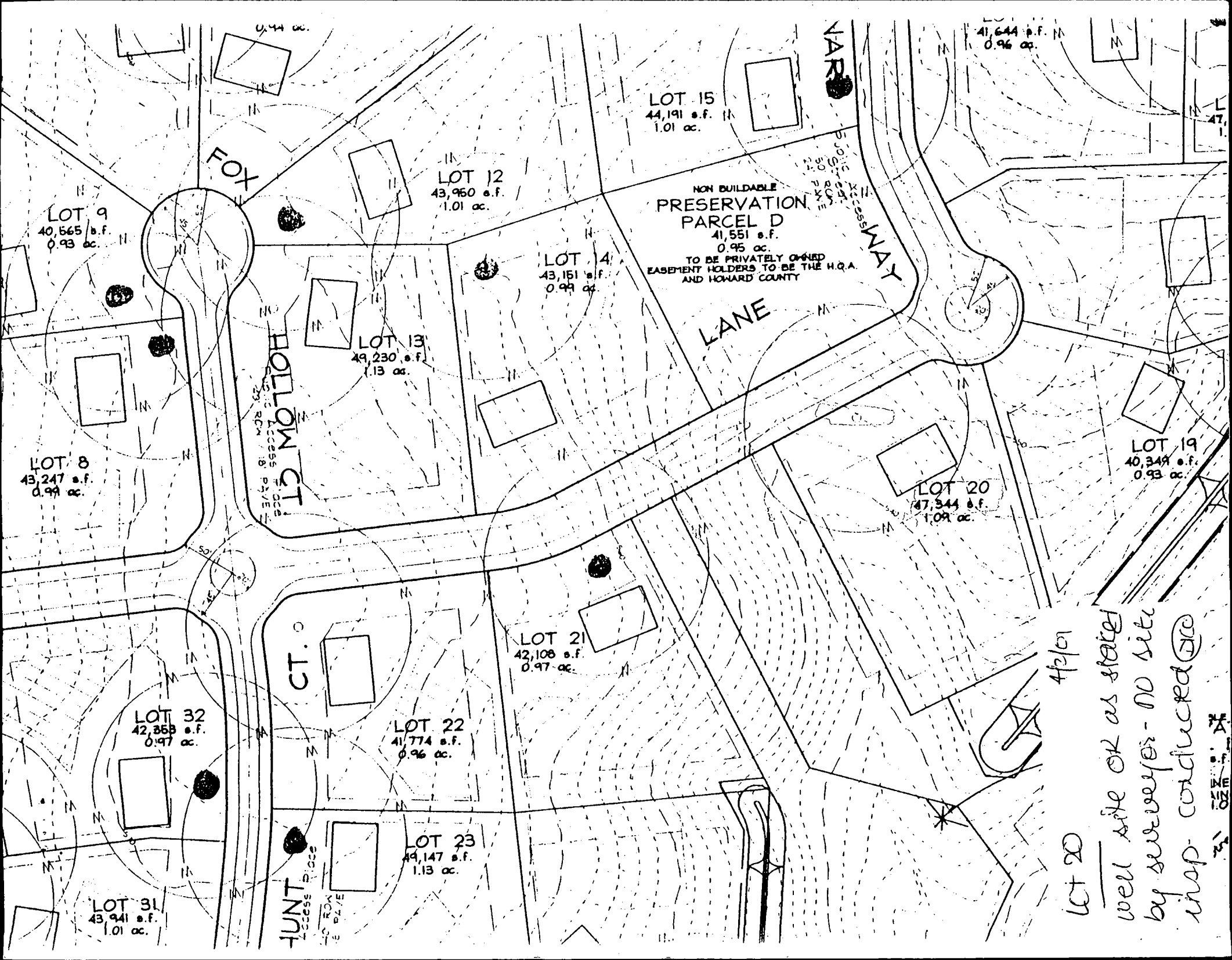
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER H02001G001

PERMIT No. HO-94-3059
 70 71 72 73 74 75 76 77 78 79

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





LOT 9
40,565 s.f.
0.93 ac.

LOT 8
43,247 s.f.
0.99 ac.

LOT 32
42,353 s.f.
0.97 ac.

LOT 31
43,941 s.f.
1.01 ac.

LOT 12
43,950 s.f.
1.01 ac.

LOT 13
49,230 s.f.
1.13 ac.

LOT 14
43,151 s.f.
0.99 ac.

LOT 15
44,191 s.f.
1.01 ac.

NON BUILDABLE
PRESERVATION
PARCEL D
41,551 s.f.
0.95 ac.
TO BE PRIVATELY OWNED
EASEMENT HOLDERS TO BE THE H.Q.A.
AND HOWARD COUNTY

LOT 21
42,108 s.f.
0.97 ac.

LOT 22
41,774 s.f.
0.96 ac.

LOT 23
44,147 s.f.
1.13 ac.

LOT 19
40,349 s.f.
0.93 ac.

LOT 20
47,344 s.f.
1.09 ac.

FOX

HOLLOW CT

HUNT CT.

LANE

PAR
30' EASEMENT
30' EASEMENT
ACCESSWAY

4/2/01

LOT 20

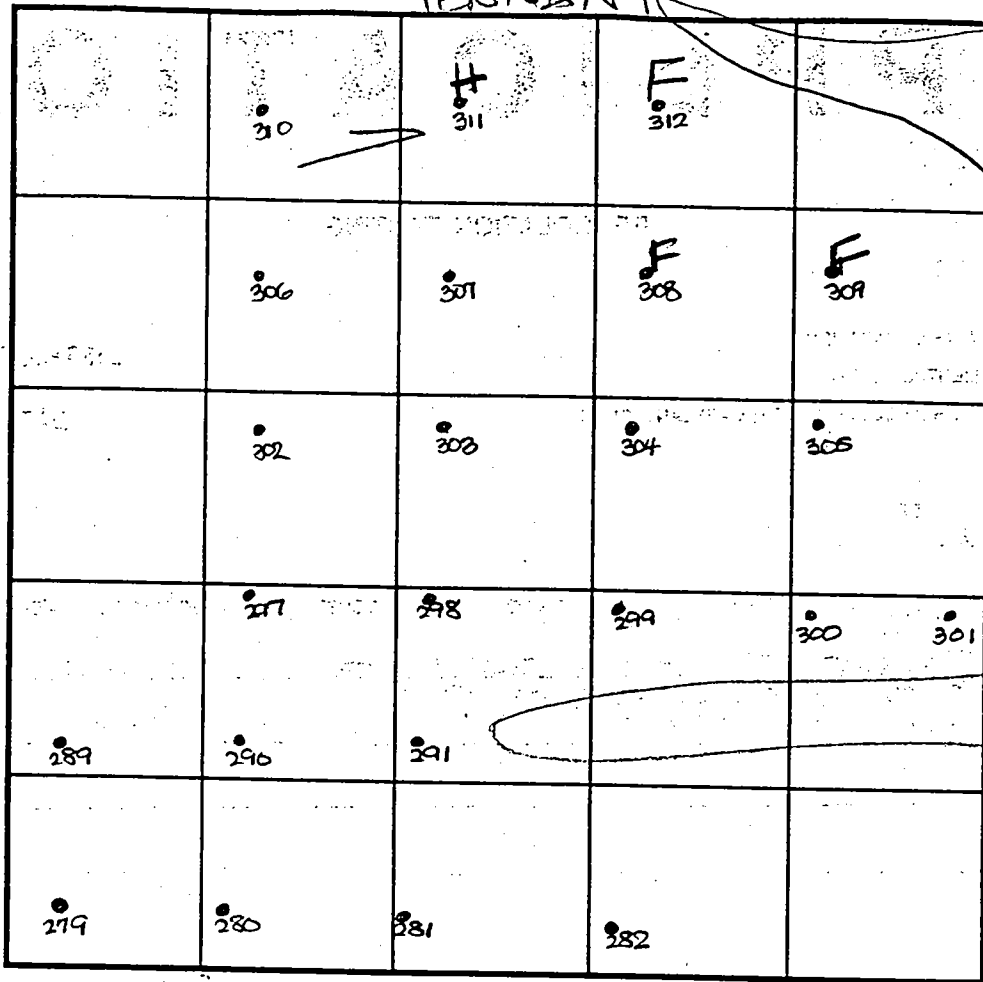
well site OK as stated
by sewerer - NO site
map conducted @

TENNANT

COUNTY #

SOIL PROFILE

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

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

see attached

REMARKS _____

TYPE OF SOIL _____

TESTED BY J. See ALSO PRESENT C. Zapp

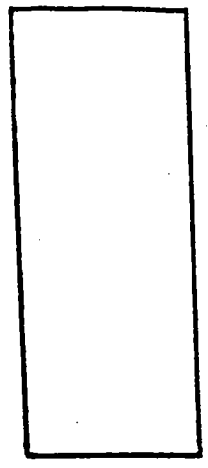
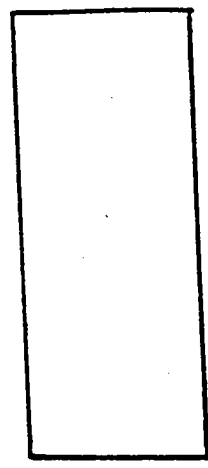
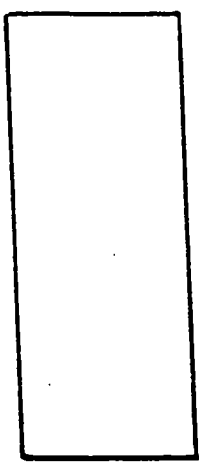
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

SOIL PROFILE 299

0' topsoil
1' org red brn cl Lm
3' pale og brn to tan si Lm w/mica
12' 20% sapor sh

0' 291
1' topsoil
1' org brn cl Lm
3' pale og tan si Lm w/little mica
12' 20% sapor sh

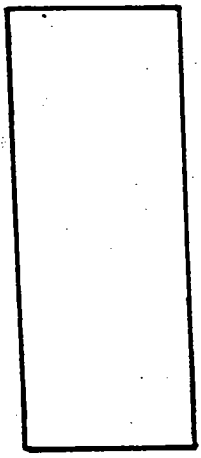


0' 289/300
1' topsoil
1' org brn cl Lm
2.5' pale og brn si Lm w/mica
13' 15-20% sapor sh

0' 297
1' topsoil
1' red og brn cl Lm
2.5' pale og tan si Lm w/mica
11' 10% sapor sh

0' 298
1' topsoil
1' red brn cl Lm
2.5' beige si Lm w/little mica
12' 10-15% sapor sh

0' 301
1' topsoil
1' org red brn cl Lm
2.5' pale gy beige si Lm w/mica
20-25% sapor sh



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-3-99	290	12.0'D	Visual	- see	profile		OK
	289	13.0'D	Visual	- see	profile		OK
	297	11.0'D	Visual	- see	profile		OK
	291	4.0'S	2:35	2:36.3	2:36.3	2:38.3	2
		12.0'D	Visual	- see	profile		OK
	298	2.5'S	2:40	2:40.3	2:40.3	2:56	10
		12.0'D	Visual	- see	profile		OK
	300	2.5'S	3:00	3:02	3:02	3:05	3
		11.5'D	Visual	- see	profile		OK
	301	2.5'S	3:05	3:08.3	3:08.3	3:12	4
		10.5'D	Visual	- see	profile		OK
	299	11.5'D	Visual	- see	profile		OK

TESTED BY

D. See

ALSO PRESENT

C. Zepp

COUNTY.#

SOIL PROFILE

420

topsoil

org brn
clm

pale org
brn
sal m

35%+
sapr
sh

421

topsoil

org red
brn
clm

pale org
tan
to
pale grey
sal m

40%+
sh

Hard

422

topsoil

org brn
clm

pale org
tan
sal m

35%+
sapr
sh

SOIL PROFILE

423

topsoil

org brn
clm

lt brn
sal m

w/45%
hard
sh

Hard

419

topsoil

org red
brn
clm

pale org
brn
to grey
sal m

Hard

5'-8"
60%
sh

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	420	2.5' S	11:26 ₃	11:27	11:27	11:28 ₃	2'
		12.0' D	Visual	-See	profile		OK
	421	2.5' S	11:37	11:41	11:41	11:46	5
		10' 8" D	Hard	Rx	-See	profile	OK
	422	2.5' S	11:47	11:48 ₃	11:48 ₃	11:51	3
		12.0' D	Visual	-see	profile		OK
	423	9.0' D	Hard	-see	profile		FAIL
	419	8.0' D	Hard	-see	profile		FAIL

REMARKS holes tested as staked

TYPE OF SOIL

TESTED BY

DKS

ALSO PRESENT

Czepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

COUNTY #.

SOIL-PROFILE

325

0' topsoil

1' org red
brn
cl lm

2.6' med brn
sa lm
w/40%
sapr sh

9.8" seepage

11.5' water

426

0' topsoil

1' org brn
cl lm

2.5' pale
org tan
sa lm

35%+
sapr
sh

12.5'

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	
4-25-00	325	9'8" D	water	seepage			FAIL
	(425??) 426	2.5' S	11:00 _{am}	11:01 _{am}	11:01 _{am}	11:03	2
		12.5' D	visual	- see	profile		OK

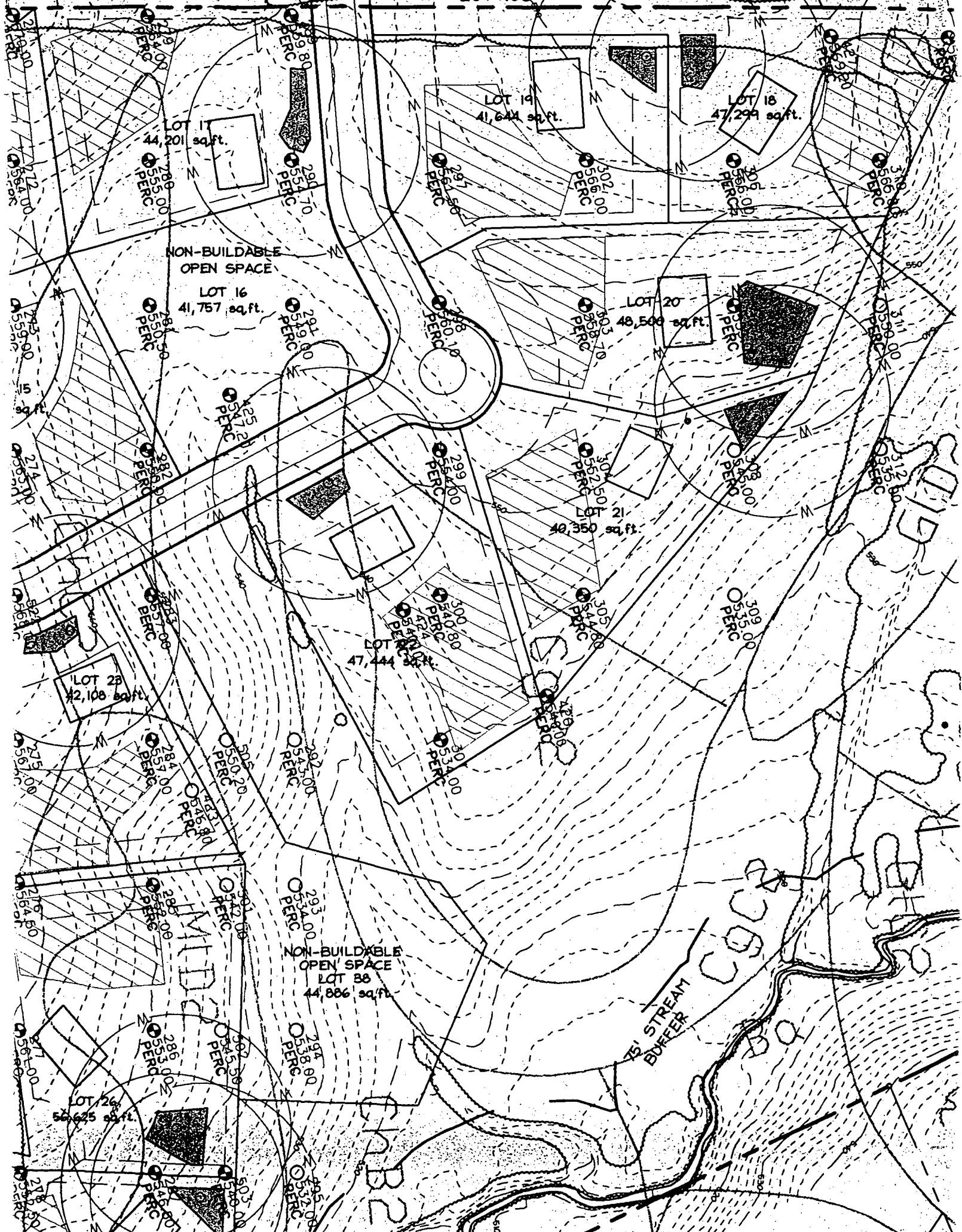
REMARKS holes tested as staked

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 _____



PERIMETER 10'
1050' A' BUFFER

THIS PROPERTY IS PROPER SECTION 11
NO 7667-7860
ZONED R7-D80
EX. SEPTIC EASEMENT
LOT 13
PERIMETER 10'
519' A' BUFFER
2014 98

LOT 11
40,940 s.f.
0.94 ac.

LOT 17
41,641 s.f.
0.95 ac.

LOT 16
47,291 s.f.
1.09 ac.

LOT 15
44,191 s.f.
1.01 ac.

LOT 12
43,950 s.f.
1.01 ac.

NON BUILDABLE
PRESERVATION
PARCEL D
41,551 s.f.
0.95 ac.

LOT 18
48,499 s.f.
1.11 ac.

LOT 4
43,151 s.f.
0.99 ac.

LOT 13
49,230 s.f.
1.13 ac.

TO BE PRIVATELY OWNED
EASEMENT HOLDERS TO BE THE H.O.A.
AND HOWARD COUNTY

FOX

HOLLOWAY

BARNARD
LANE

PERIMETER 10'
200' B' BUFFER

PERIMETER 15'
200' B' BUFFER

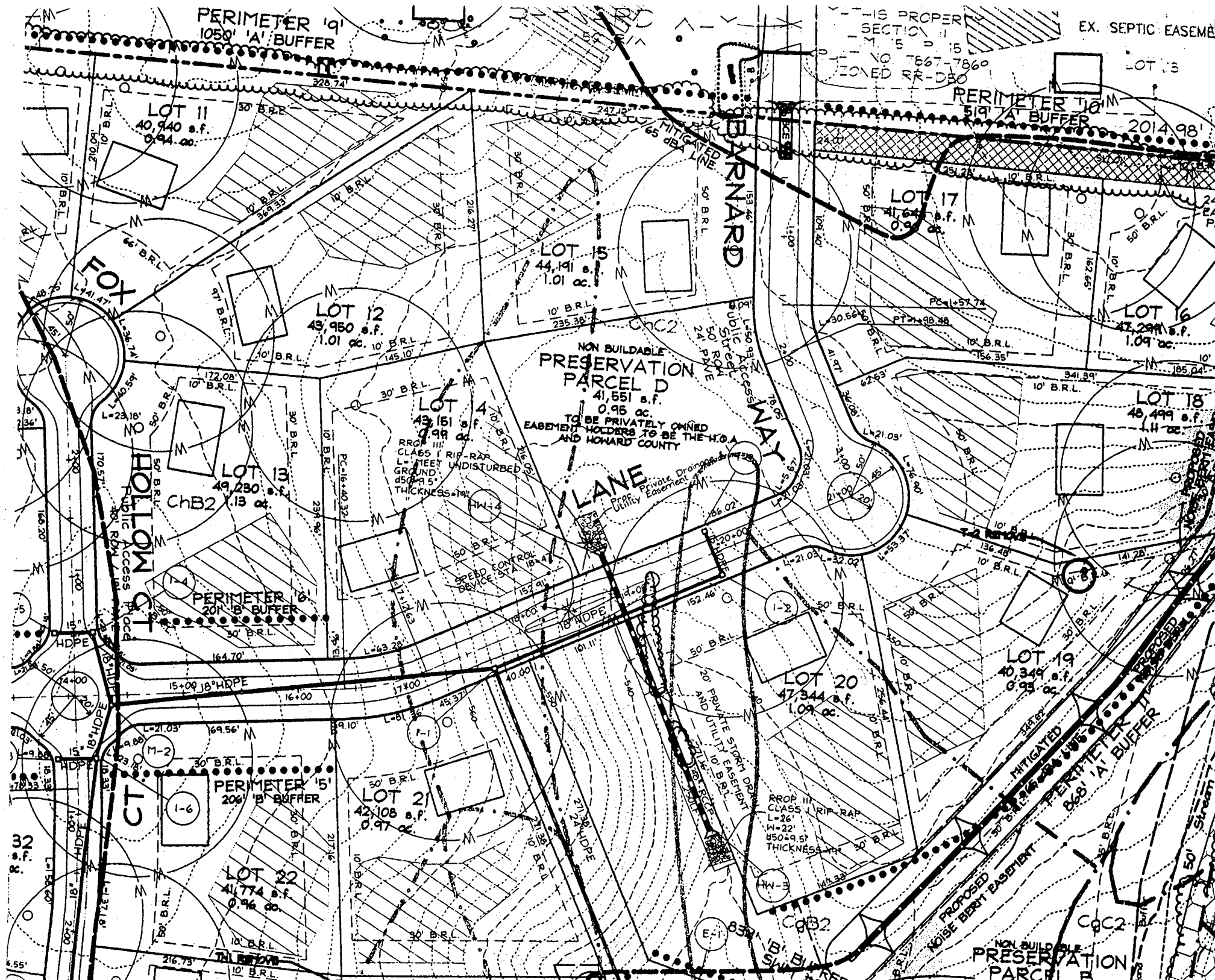
LOT 21
42,108 s.f.
0.97 ac.

LOT 20
47,344 s.f.
1.09 ac.

LOT 19
40,349 s.f.
0.93 ac.

LOT 22
41,774 s.f.
0.96 ac.

NON BUILDABLE
PRESERVATION
PARCEL B



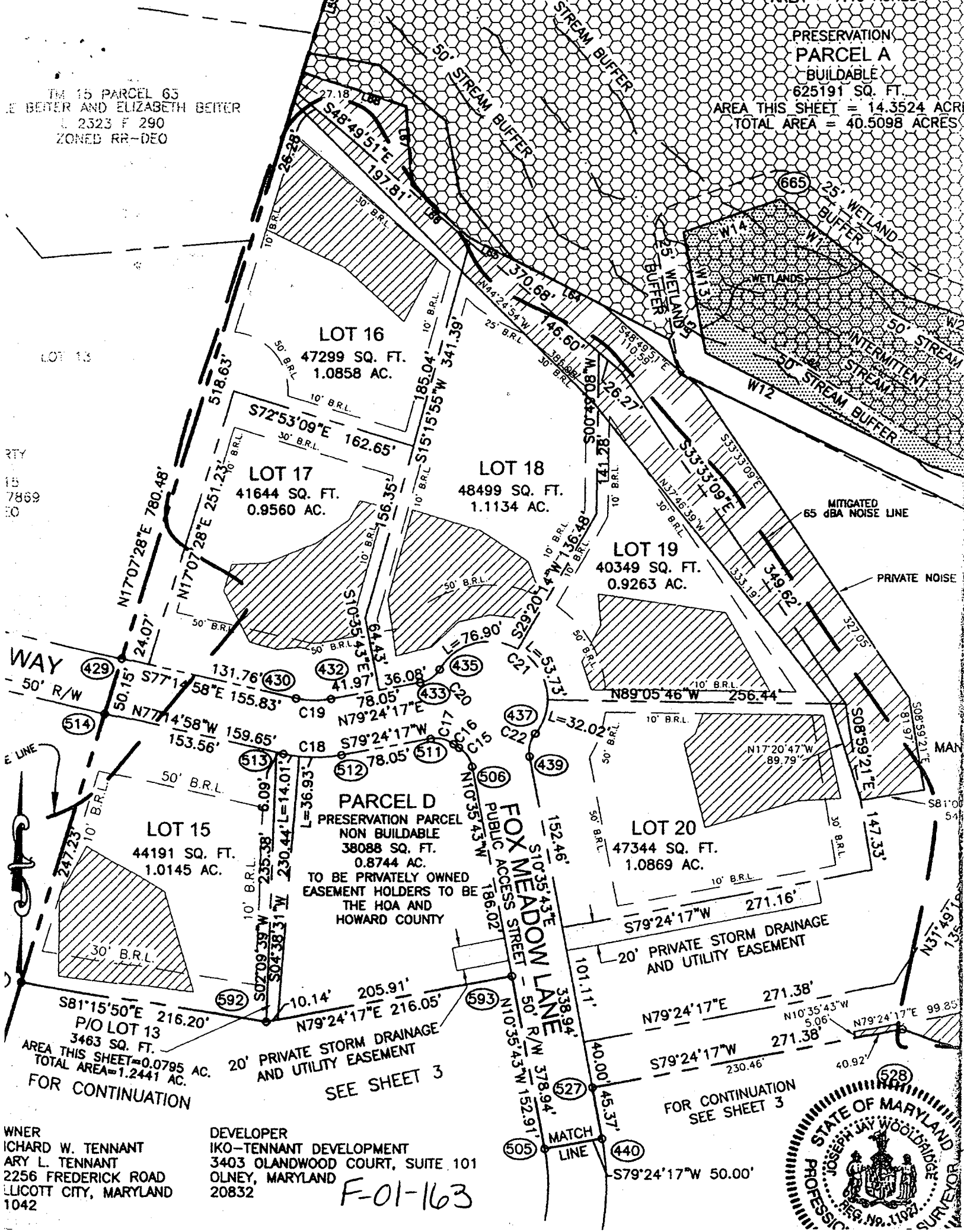
AREA = 7.46 ACRES

**PRESERVATION
PARCEL A**

BUILDABLE
625191 SQ. FT.

AREA THIS SHEET = 14.3524 ACRES
TOTAL AREA = 40.5098 ACRES

TM 15 PARCEL 63
E BETTER AND ELIZABETH BETTER
L 2523 F 290
ZONED RR-DEO



LOT 13
RTY
15
7869
50

LOT 16
47299 SQ. FT.
1.0858 AC.

LOT 17
41644 SQ. FT.
0.9560 AC.

LOT 18
48499 SQ. FT.
1.1134 AC.

LOT 19
40349 SQ. FT.
0.9263 AC.

LOT 15
44191 SQ. FT.
1.0145 AC.

PARCEL D
PRESERVATION PARCEL
NON BUILDABLE
38088 SQ. FT.
0.8744 AC.
TO BE PRIVATELY OWNED
EASEMENT HOLDERS TO BE
THE HOA AND
HOWARD COUNTY

LOT 20
47344 SQ. FT.
1.0869 AC.

P/O LOT 13
3463 SQ. FT.
AREA THIS SHEET = 0.0795 AC.
TOTAL AREA = 1.2441 AC.
FOR CONTINUATION

20' PRIVATE STORM DRAINAGE
AND UTILITY EASEMENT
SEE SHEET 3

FOR CONTINUATION
SEE SHEET 3

OWNER
RICHARD W. TENNANT
MARY L. TENNANT
2256 FREDERICK ROAD
MILCOTT CITY, MARYLAND
1042

DEVELOPER
IKO-TENNANT DEVELOPMENT
3403 OLANWOOD COURT, SUITE 101
OLNEY, MARYLAND
20832

F-01-163

