

LAYOUT 10/1/03 1pm INSP 4 _____
INSP 2 10/3/03 12pm INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 8/13/2003

P 519085

APPROVAL DATE: 10/3/03

A 511517-M

**PERMIT
INDEXED**

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

03-339483

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: 22

ADDRESS: 12340 Fox Meadow Lane 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 3.0 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 the distribution box near the middle of the top of the septic easement. Run trenches on contour in both directions.
NOTES:	Make sure the trenches are 100' from the well on lot 21.

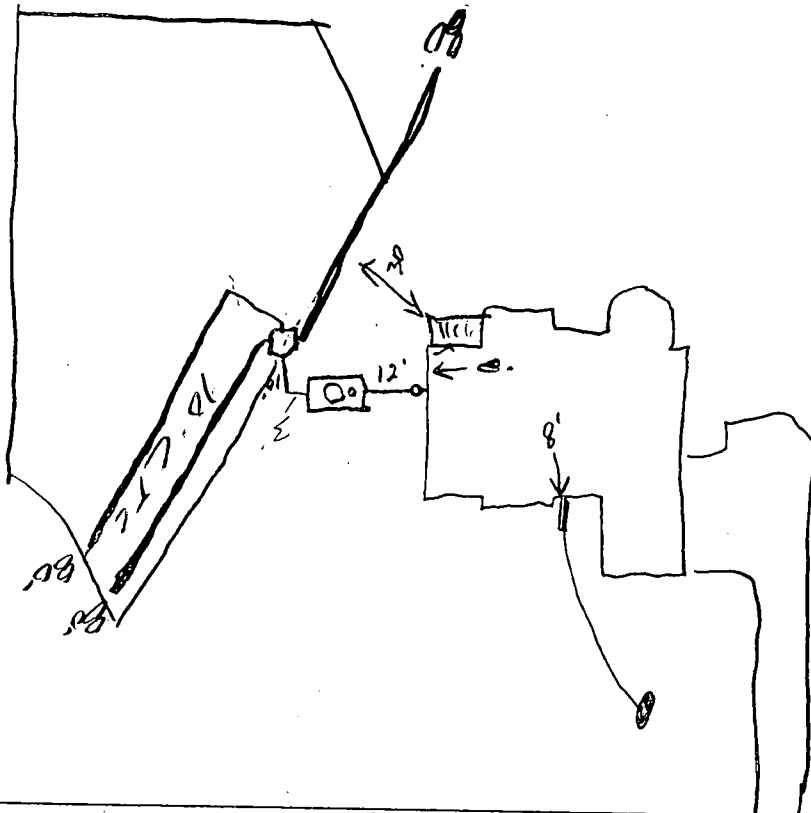
PLANS APPROVED: Brian Baker DATE: 6/23/2003

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**

AS11517-M

NOT TO SCALE



Fox Meadow Ln

TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 ϕ
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input checked="" type="checkbox"/>

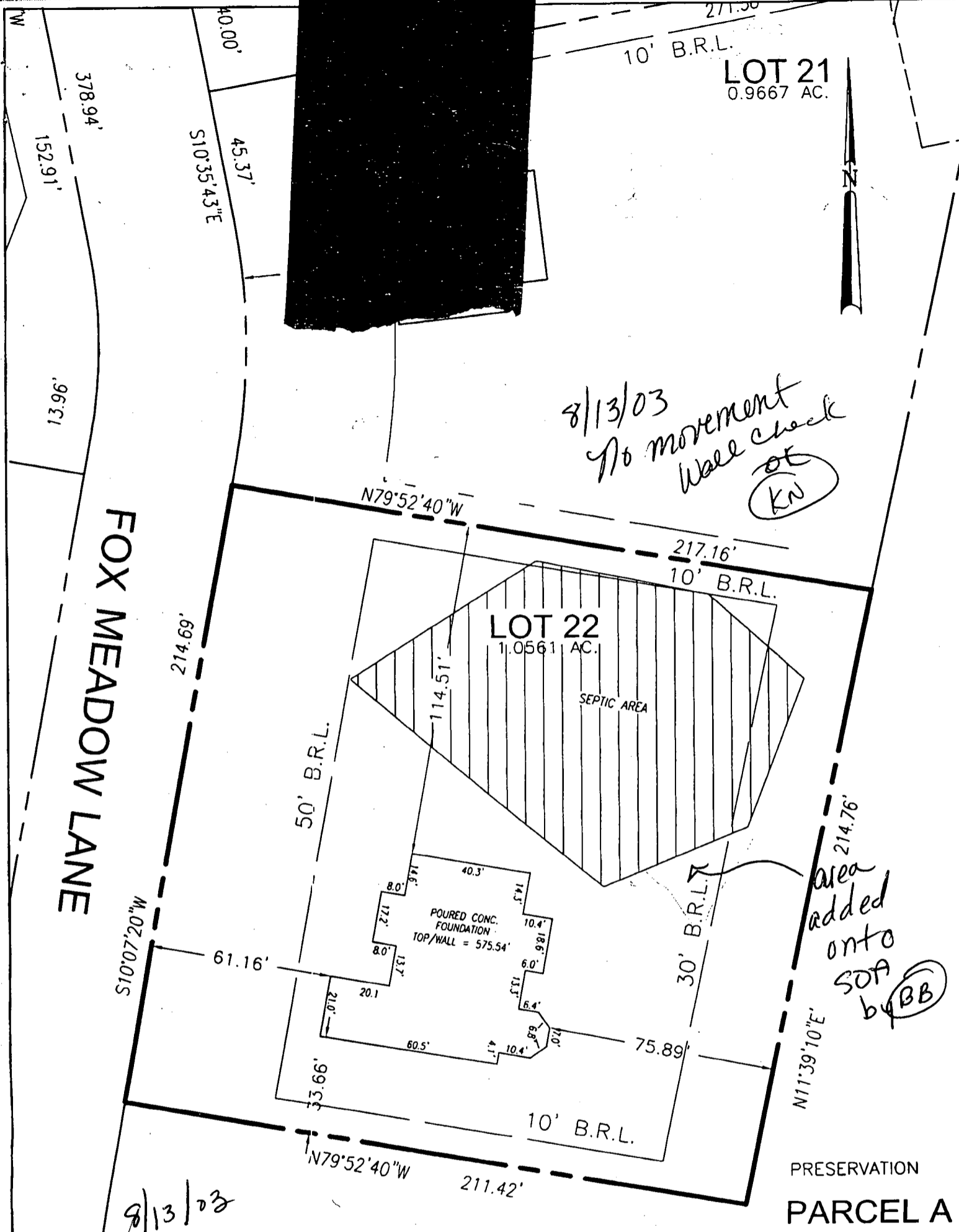
SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	TOP
TANK LID DEPTH	6"-1'
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	<input type="checkbox"/>
SEPTIC TANK 2 LEVEL	
CAPACITY	_____ GAL
SEAM LOC	_____
TANK LID DEPTH	_____
BAFFLES	MA
BAFFLE FILTER	_____
MANHOLE LOC	_____
6" PORT LOC	_____
WATERTIGHT TEST	_____

PRE-CONSTRUCTION 10/2/03 SRA Staked, contours accurate
 Install (3) 80' trenches per B.P. (SC)
 INSTALLATION 10/3/03 - OK to cover all work (SC)

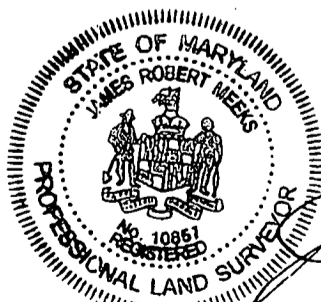
FINAL INSPECTOR

DATE OF APPROVAL

10/3/03



8/13/03



James R. Meeks

7/31/03

JAMES ROBERT MEEKS, PROFESSIONAL LAND SURVEYOR #10857 DA

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.

PRESERVATION
PARCEL A

SCALE 1" = 40'	DATE 07/30/03
DRAWN BY S.HECK	CHECKED BY JRM
PLAT NUMBER 15647	FWA JOB NUMBER 2024059



FREDERICK WARD ASSOCIATES
www.frederickward.com

REGIONAL OFFICES
Columbia, Maryland and Warrenton, Virginia

ARCHITECTS | ENGINEERS | PLANNERS | SURVEYORS

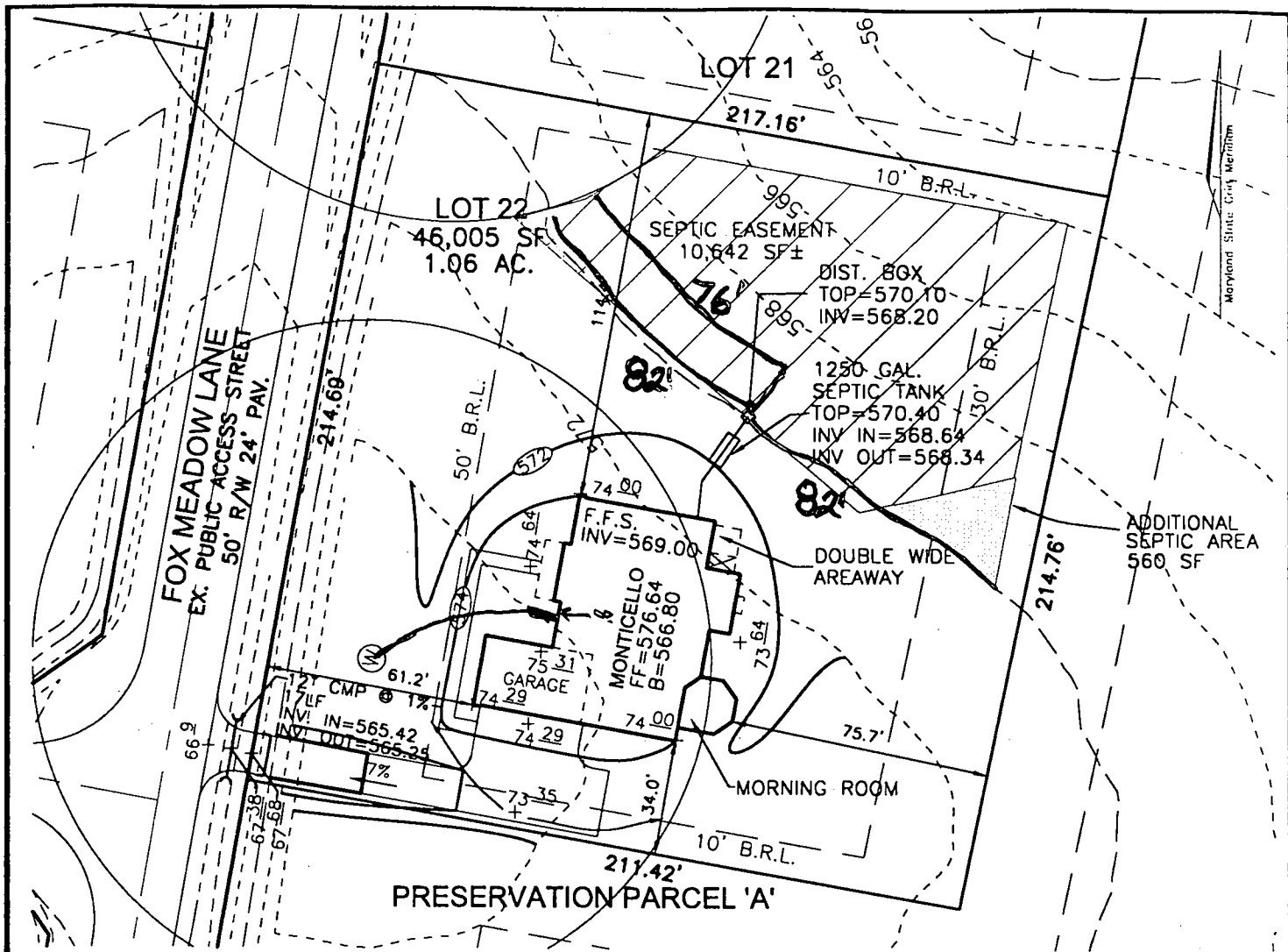
7125 Riverwood Drive
Columbia, Maryland 21046-2354
410-720-6900
410-720-6226 fax

WALL CHECK
LOT 22
FOX CREEK SUBDIVISION

HOWARD COUNTY, MARYLAND

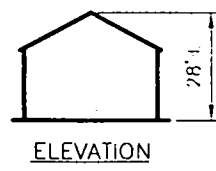
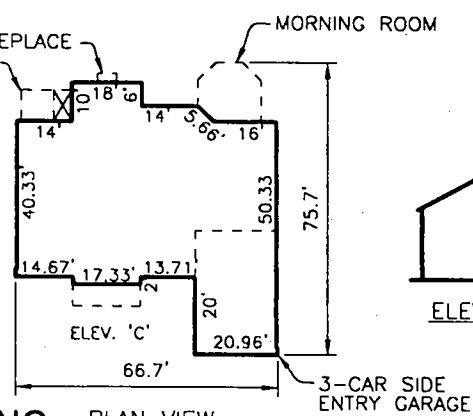
3RD ELECTION DISTRICT

VANSANT



Approved Septic System Plan
 Howard County Health Department

Brian Baker 6/23/03
 Signature Date



FREDERICK WARD ASSOCIATES, INC. PLAN VIEW
 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

MONTICELLO
 ELEV. 'C'
 1"=50'

SCALE 1"=50'
 DRAWN BY CMH
 CHECKED BY JCO
 DATE JUNE 2003
 W.O. # 2024059.0
 SHEET # 1 OF 1

NVHomes
FOX CREEK SUBDIVISION
LOT 22

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: 3 N. Main St.
Mt. Airy MD 20741

(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# 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: W. Homes Telephone #: _____
Subdivision: Fox Creek Lot #: 22 Well Tag #: HO-94-3062
Site Address: 12340 Fox Meadow Lane
Ellicott City, MD 21043

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Couros Make: Couros Two piece watertight cap:
Model #: MG 30742 Model#: 510K Screened, vented well cap:
Pump Capacity _____ GPM Depth: 42 (36" min) Cap secured to casing:
Well Yield: 2.14 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 wrenches 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: Polyethylene PVC sleeved to undisturbed soil at wall penetration: 15
PSI: 200 (160 psi min) Approximate length of sleeve: 5
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: 10.17.03

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

Date Insp. Requested: 10/1/03 Date Insp. Approved: 10/1/03 (50) ^{SRV}
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 0703

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER 13 OKSRK 10/11/01

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED 9 18 01

Depth of Well 300 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3062

OWNER last name first name TOWN SECTION LOT

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 SHALE 0 32, BLUE SHALE 32 300.

WATER AT 113'

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES NO

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 MWD 139 Robert Clome

DRILLERS SIGNATURE Robert Clome

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

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (B) NO. OF BAGS 14 NO. OF POUNDS 1316

CASING RECORD

MAIN CASING TYPE (S) (T) (P) (L) (O) (J) Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40

OTHER CASING (if used)

Table for other casing with columns: diameter inch, depth (feet) from, to

SCREEN RECORD

screen type or open hole (S) (B) (H) (P) (L) (O) (J) DEPTH (nearest ft.) 39 300

Table with columns: E, A, C, H, S, C, R, E, 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

C 3

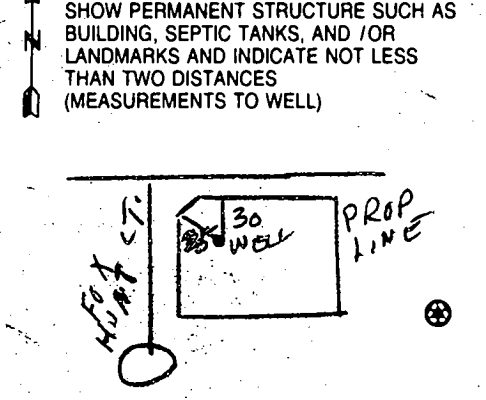
PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2.14 METHOD USED TO MEASURE PUMPING RATE TIME

PUMP INSTALLED

DRILLER INSTALLED PUMP 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.

LOCATION OF WELL ON LOT



10/11/01

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3062
 Location of property (road) Fox Hunt Court
 Subdivision Fox Creek Lot 22 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. 46

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12
 Total time 30 MIN to reach pumping water level 139 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	46	25 SECONDS		12
8:45	95	25 "		12
9:00	139	2 MIN 20 SEC.		2.14
9:15	139	2 MIN 20 SEC.		2.14
9:30	139	2 MIN 20 SEC.		2.14
9:45	139	2 MIN 20 SEC.		2.14
10:00	139	2 MIN 20 SEC.		2.14
10:15	139	2 MIN 20 SEC.		2.14
10:30	139	2 MIN 20 SEC.		2.14
10:45	139	2 MIN 20 SEC.		2.14
11:00	139	2 MIN 20 SEC.		2.14
11:15	139	2 MIN 20 SEC.		2.14
11:30	139	2 MIN 20 SEC.		2.14
11:45	139	2 MIN 20 SEC.		2.14
12:00	139	2 MIN 20 SEC.		2.14
12:15	139	2 MIN 20 SEC.		2.14
12:30	139	2 MIN 20 SEC.		2.14
12:45	139	2 MIN 20 SEC.		2.14
1:00	139	2 MIN 20 SEC.		2.14
1:15	139	2 MIN 20 SEC.		2.14
1:30	139	2 MIN 20 SEC.		2.14
1:45	139	2 MIN 20 SEC.		2.14
2:00	139	2 MIN 20 SEC.		2.14
2:15	139	2 MIN 20 SEC.		2.14
2:30	139	2 MIN 20 SEC.		2.14
2:45	139	2 MIN 20 SEC.		2.14
3:00	139	2 MIN 20 SEC.		2.14
HD 22/130	139	2 MIN 20 SEC.		2.14
2:45	139	2 MIN 20 SEC.		2.14
3:00	139	2 MIN 20 SEC.		2.14

B 1 0628

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-3062 fill in this form completely

Date Received (APA)

02/21/01

OWNER INFORMATION

IKO-Tennant Development

3403 Olandwood Ct. Suite 101

Olney MD 20832

DRILLER INFORMATION

Robert L. Cline MWD 139

Cline & Duvall, Inc.

8093 Hillmark Ct., Frederick, MD 21704

Robert L. Cline 2-20-01

LOCATION OF WELL

Howard

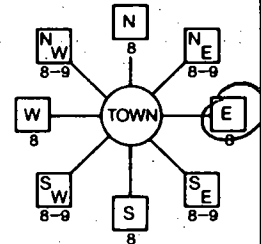
Fox Creek

West Friendship

NEAREST TOWN

MILES FROM TOWN (enter 0 if in town)

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Fox Hunt Court

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 15 BLK: PARCEL 183

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)

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

DATE ISSUED

CO SIGNATURE

NORTH GRID EAST GRID

APPROXIMATE DEPTH OF WELL

APPROXIMATE DIAMETER OF WELL

METHOD OF DRILLING (circle one)

- BORED (or Augered)
JETTED
Jettied & DRIVEN
AIR-ROTary
AIR-PERCussion
ROTARY (Hydraulic Rotary)
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 DEEPEM AN EXISTING WELL

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

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

APPROX. PERMIT NUMBER

PERMIT No. HO-94-3062

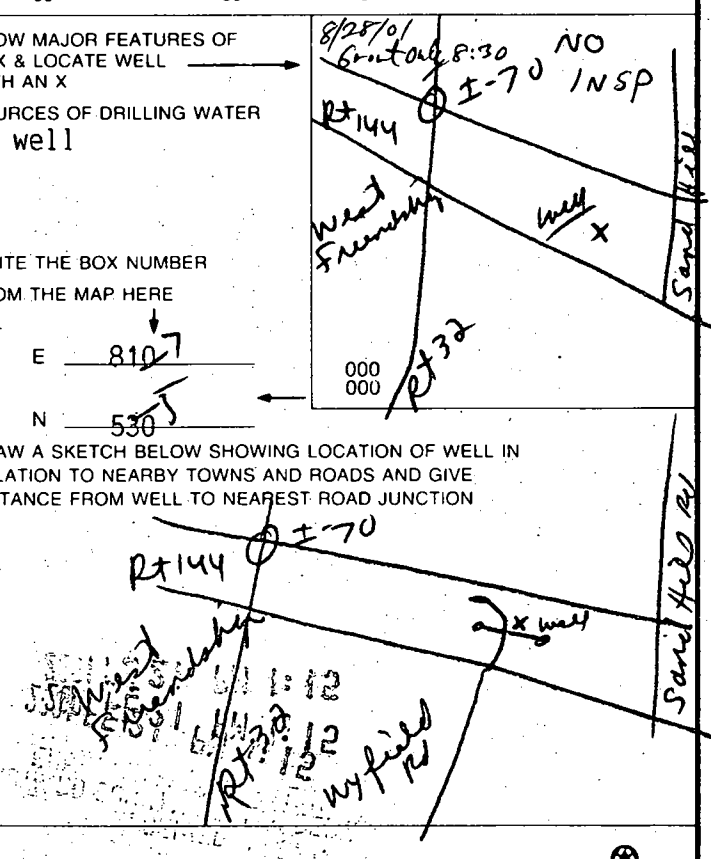
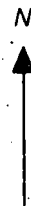
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8107
N 530

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



PLAT OF
 MATHEM. PROPERTY
 TO BE P. 15
 P.L.S. NO. 7867-7869
 ZONED RR-BED

F-01-163

1. PROPERTY
 2. (MENTED)
 3. OF

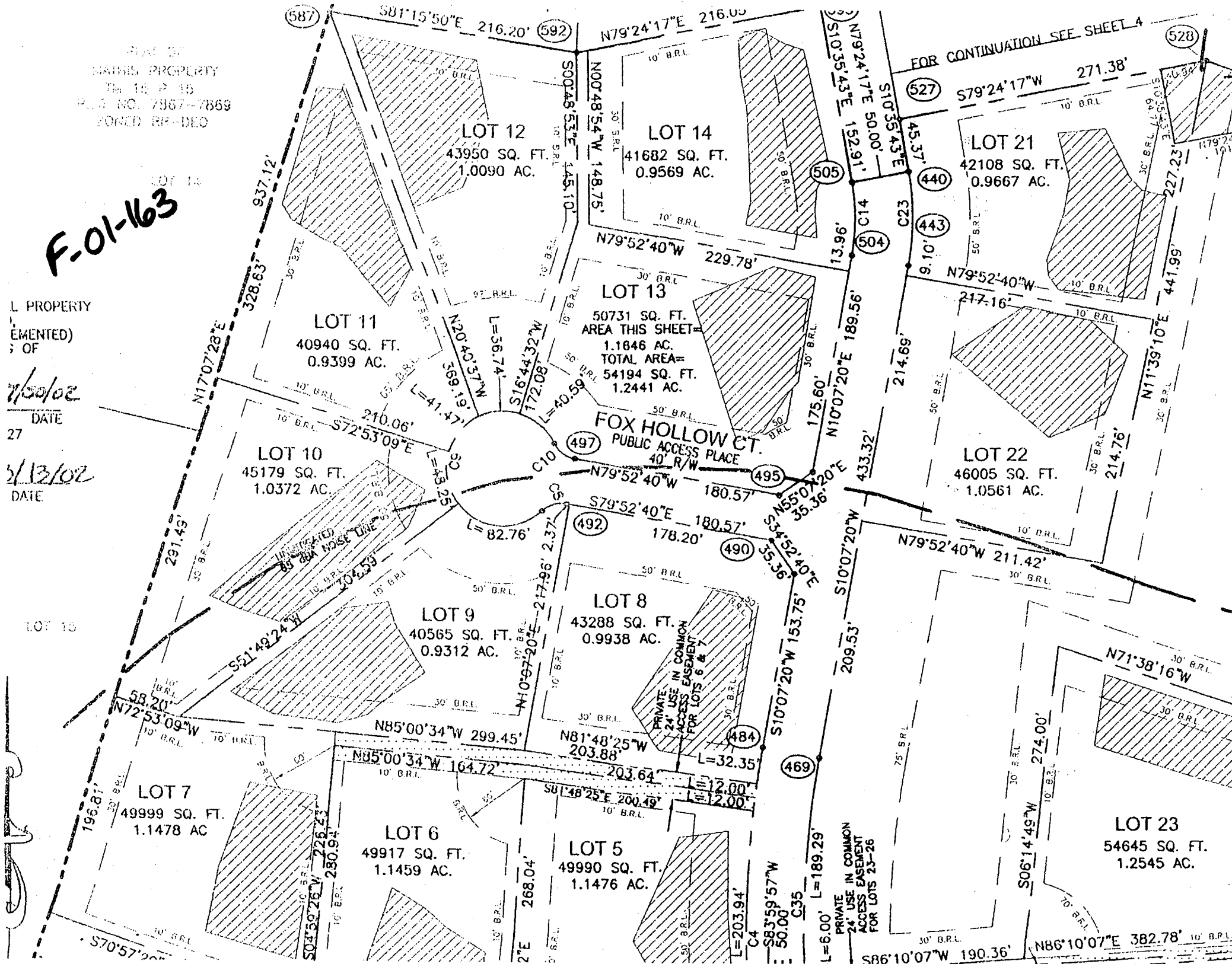
1/30/02

DATE
 27

3/13/02
 DATE

LOT 15

FOR CONTINUATION SEE SHEET 4



LOT 12
 43950 SQ. FT.
 1.0090 AC.

LOT 14
 41682 SQ. FT.
 0.9569 AC.

LOT 21
 42108 SQ. FT.
 0.9667 AC.

LOT 11
 40940 SQ. FT.
 0.9399 AC.

LOT 13
 50731 SQ. FT.
 AREA THIS SHEET=
 1.1846 AC.
 TOTAL AREA=
 54194 SQ. FT.
 1.2441 AC.

LOT 22
 46005 SQ. FT.
 1.0561 AC.

LOT 10
 45179 SQ. FT.
 1.0372 AC.

FOX HOLLOW CT.
 PUBLIC ACCESS PLACE
 40' R/W

LOT 9
 40565 SQ. FT.
 0.9312 AC.

LOT 8
 43288 SQ. FT.
 0.9938 AC.

LOT 23
 54645 SQ. FT.
 1.2545 AC.

LOT 7
 49999 SQ. FT.
 1.1478 AC.

LOT 6
 49917 SQ. FT.
 1.1459 AC.

LOT 5
 49990 SQ. FT.
 1.1476 AC.

APPLICATION

8330

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 Richard Tennant
40 Tennant - KO Development Limited Partnership

ADDRESS 3403 Cloudwood Court, Suite 101
Owney, MD 20832 PHONE 301 924-5645

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Fox Wood Hills LOT NO. 5

ROAD AND DESCRIPTION FREDERICE ROAD WEST OF SAND HILL

TAX MAP 15 PARCEL # 183

SIZE OF LOT 1 ACRE TYPE BLDG. SINGLE FAMILY
(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]
(SIGNATURE OF APPLICANT)
Agent. Was
ITCO Dev. Inc.

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

TENNANT

COUNTY # _____

SOIL PROFILE
517/520

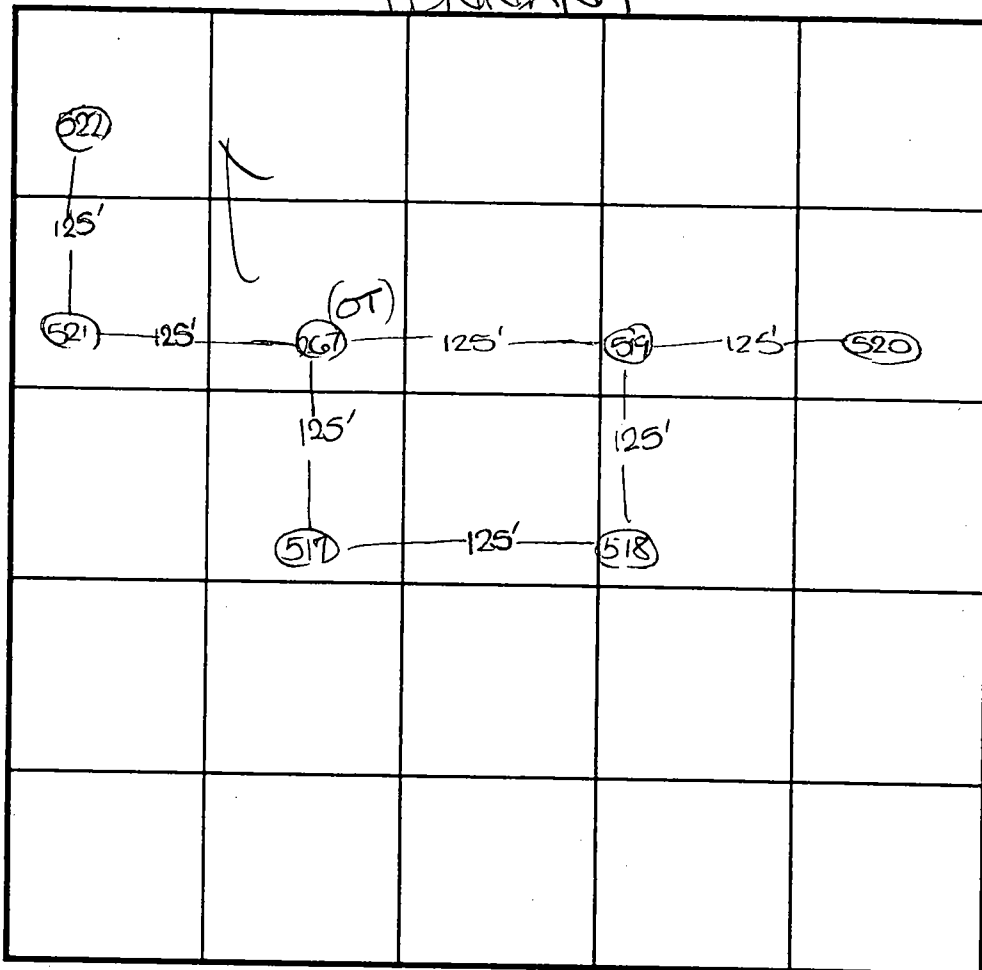
0' topsoil
1' org brn cl Lm
3'-3.5' pale org brn sa Lm w/mica
30% sapr

518
0' topsoil
1' red org brn cl Lm
3.5' pale org tan sa Lm w/mica
15-20% sapr sh

519
0' topsoil
1' org red brn cl Lm
2'-3.5' beige sa Lm w/mica
10-15% sapr sh

SOIL PROFILE
521/522

0' topsoil
1' org brn cl Lm
2.5' pale org tan sa Lm
15% sapr sh



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

OT = old test staked by engineer

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-8-99	517	11.0' D	Visual	- see	profile		OK
	518	3.0' S	11:55 ₃	12:15	12:15	little slow	OK below
		11.5' D	Visual	- see	profile		OK
	519	10.5' D	Visual	- see	profile		OK
	520	3.0' S	12:15	12:40	12:40	slow	OK below
		11.0' D	Visual	- See	profile		OK
	521	3.0' S	12:37	12:37 ₃	12:37 ₃	12:39	2
		12.0' D	Visual	- see	profile		OK
	522	11.0' D	Visual	- see	profile		OK

REMARKS holes 517-522 not staked

TYPE OF SOIL _____

TESTED BY D. Soe

ALSO PRESENT C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

TENNIANT PROPERTY

COUNTY #

SOIL PROFILE

SOIL PROFILE

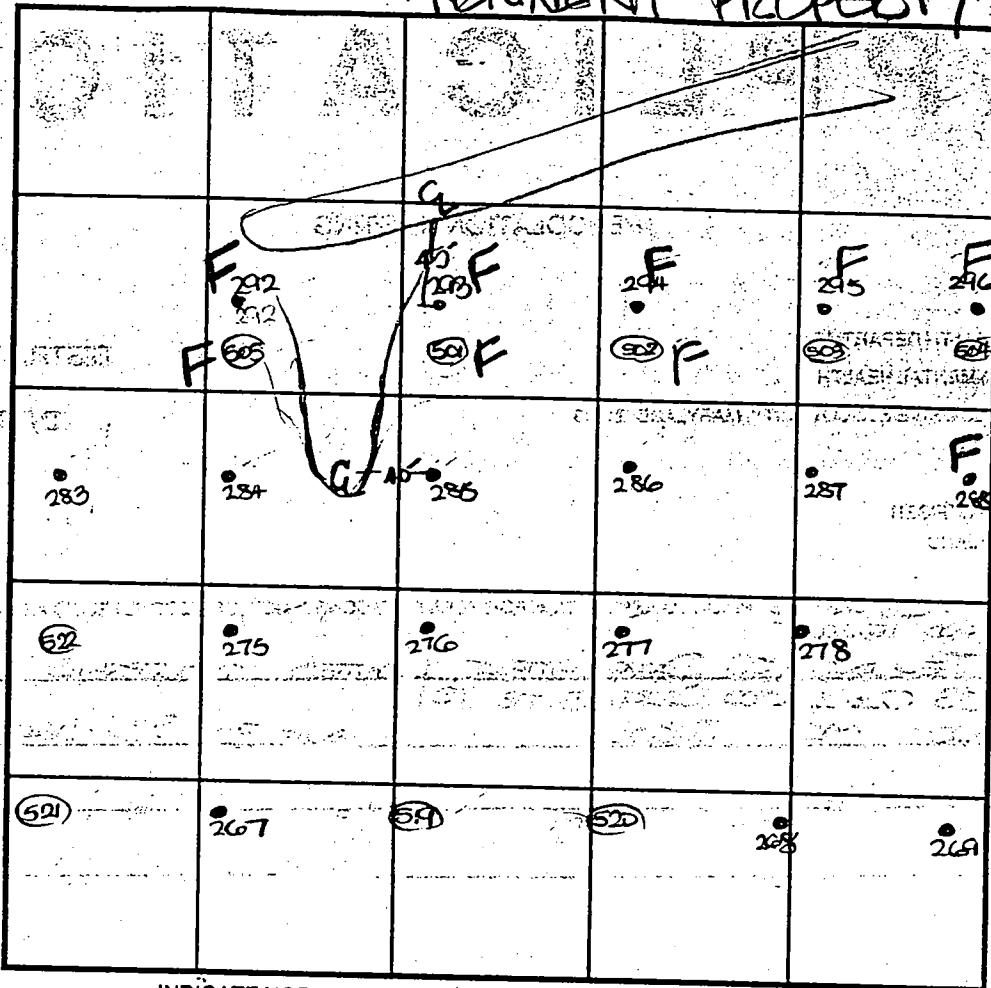
0'

12.5

SOIL PROFILE

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	

see attached

REMARKS • = staked test hole ○ = hole not staked

TYPE OF SOIL _____

TESTED BY D. See ALSO PRESENT C. Zepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

UNTY #

SOIL PROFILE 517/520

0' topsoil

org brn cl lm

3.5' pale org brn sa lm w/mica

30% sapr

0' 518 topsoil

red org brn cl lm

3.5' pale org tan sa lm w/mica

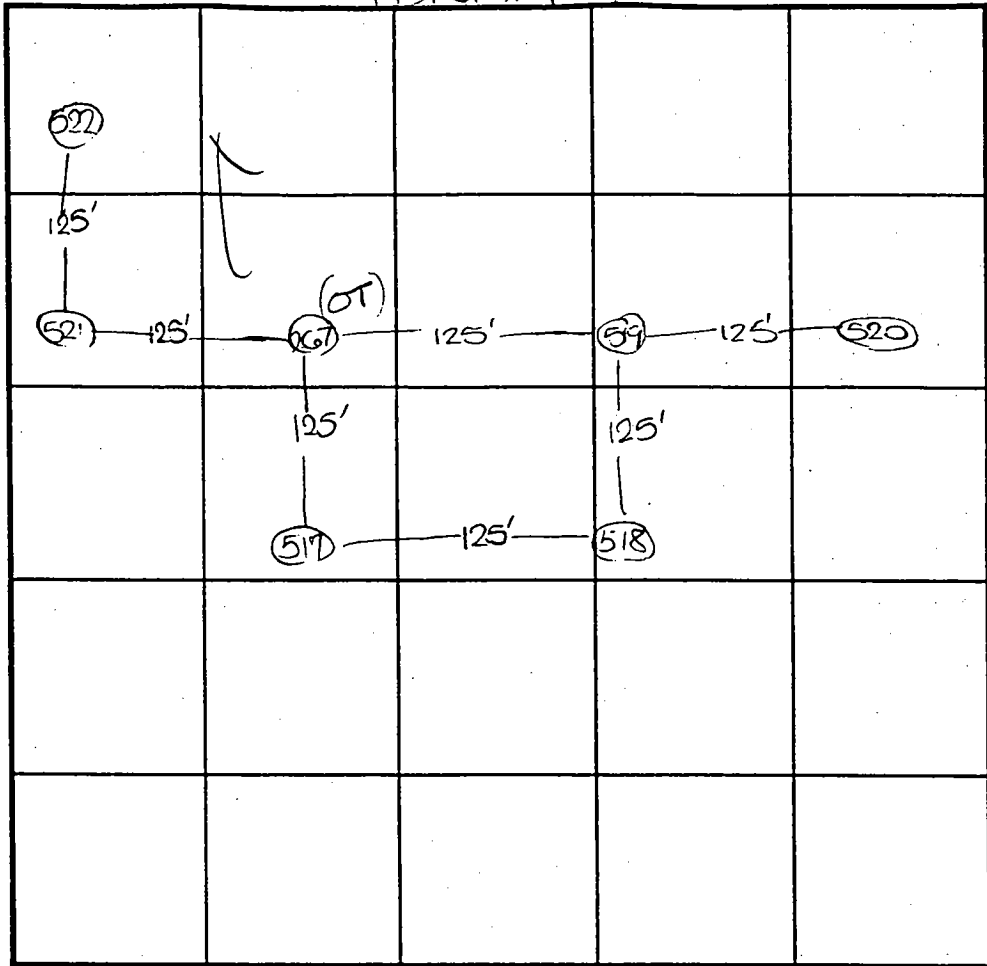
15-20% sapr sh

0' 519 topsoil

org red brn cl lm

3.5' beige sa lm w/mica

10-15% sapr sh



SOIL PROFILE 521/522

0' topsoil

org brn cl lm

2.5' pale org tan sa lm

15% sapr sh

OT = old test staked by engineer

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-8-99	517	11.0' D	Visual	- see profile			OK
	518	3.0' S	11:55 ₃	12:15	12:15	little slow	OK below
		11.5' D	Visual	- see profile			OK
	519	10.5' D	Visual	- see profile			OK
	520	3.0' S	12:15	12:40	12:40	slow	OK below
		11.0' D	Visual	- see profile			OK
	521	3.0' S	12:37	12:37 ₃	12:37 ₃		2
		12.0' D	Visual	- see profile			OK
	522	11.0' D	Visual	- see profile			OK

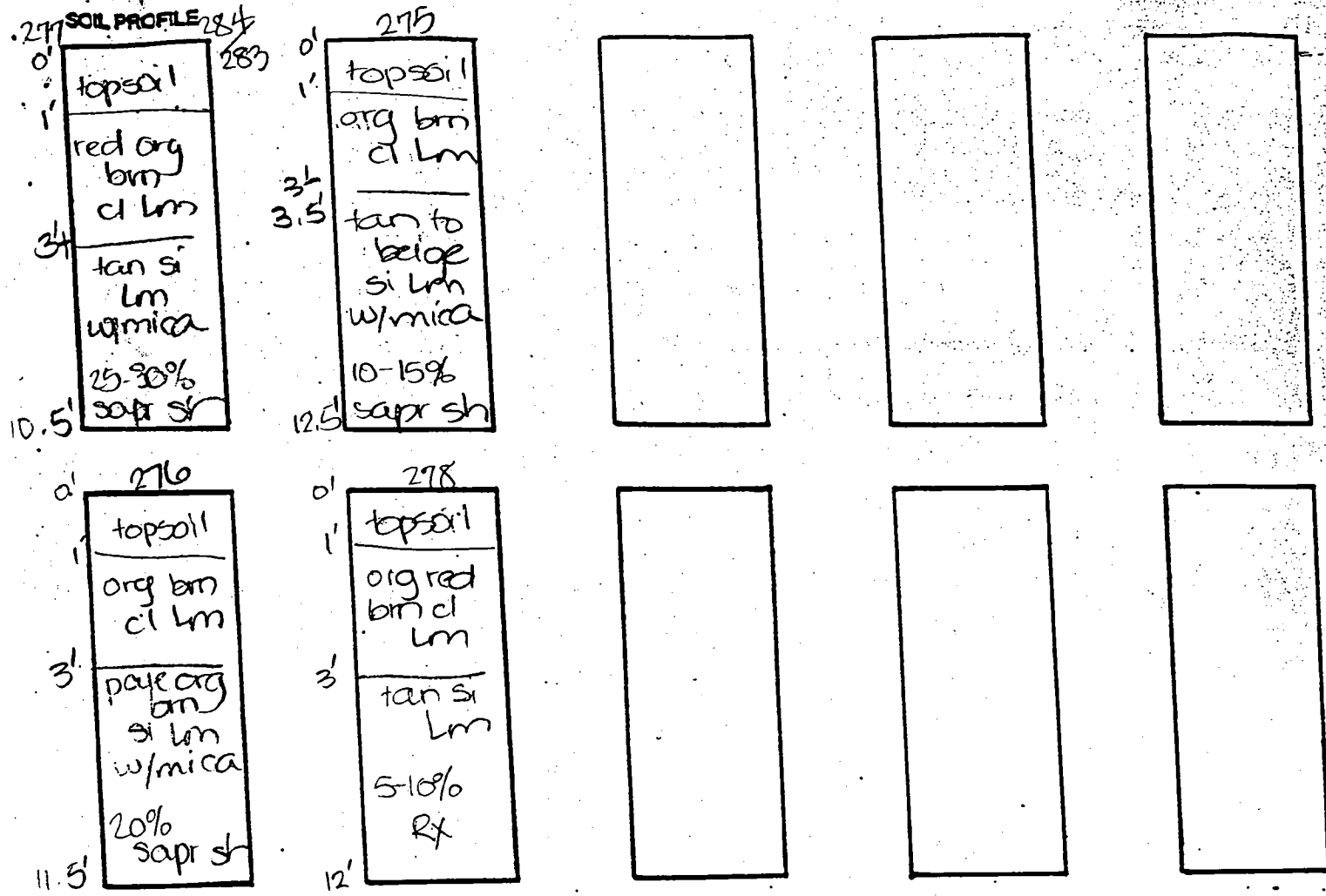
REMARKS holes 517-522 not staked

TYPE OF SOIL _____

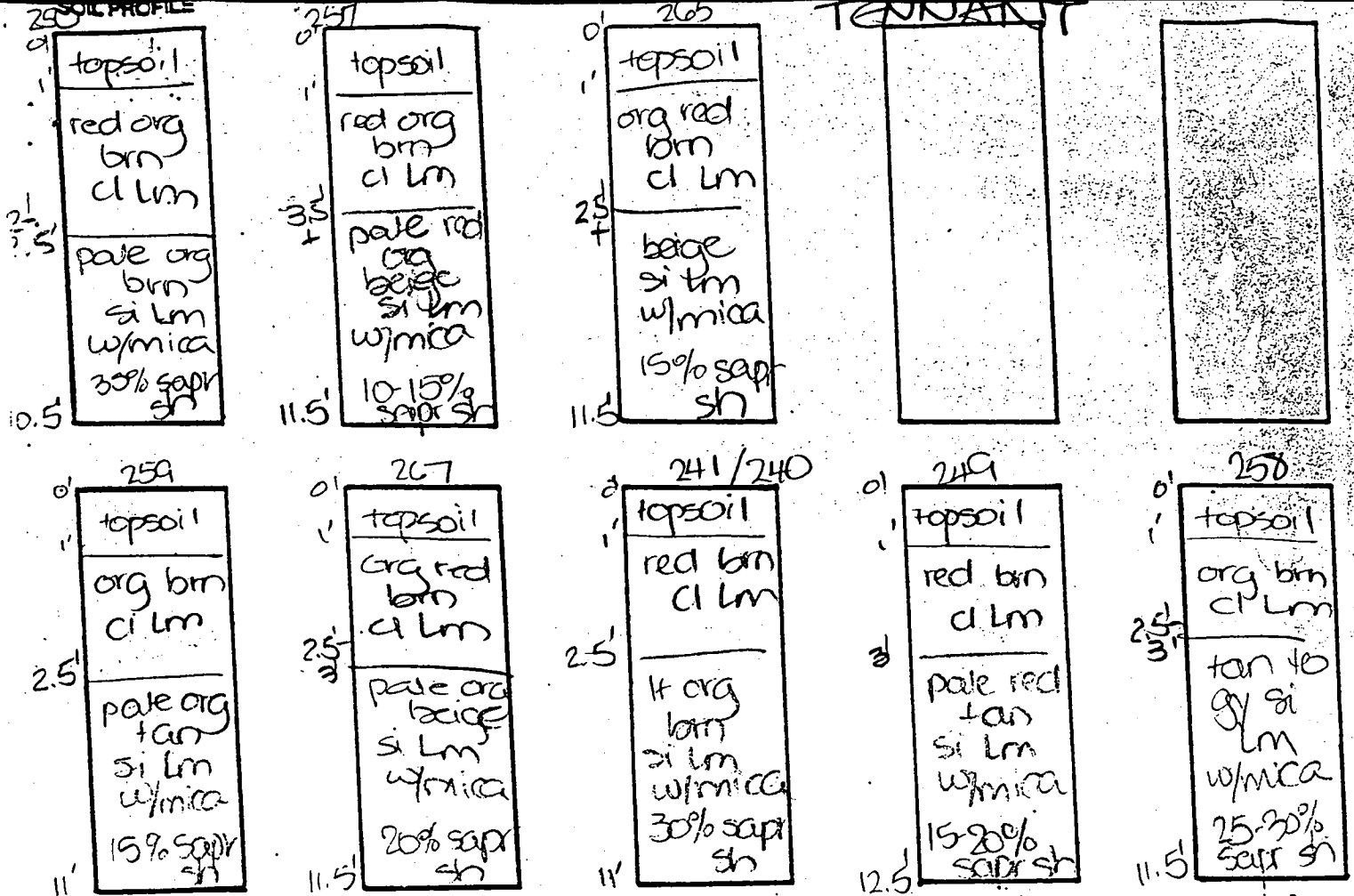
TESTED BY D. SOE ALSO PRESENT C. ZEPF

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

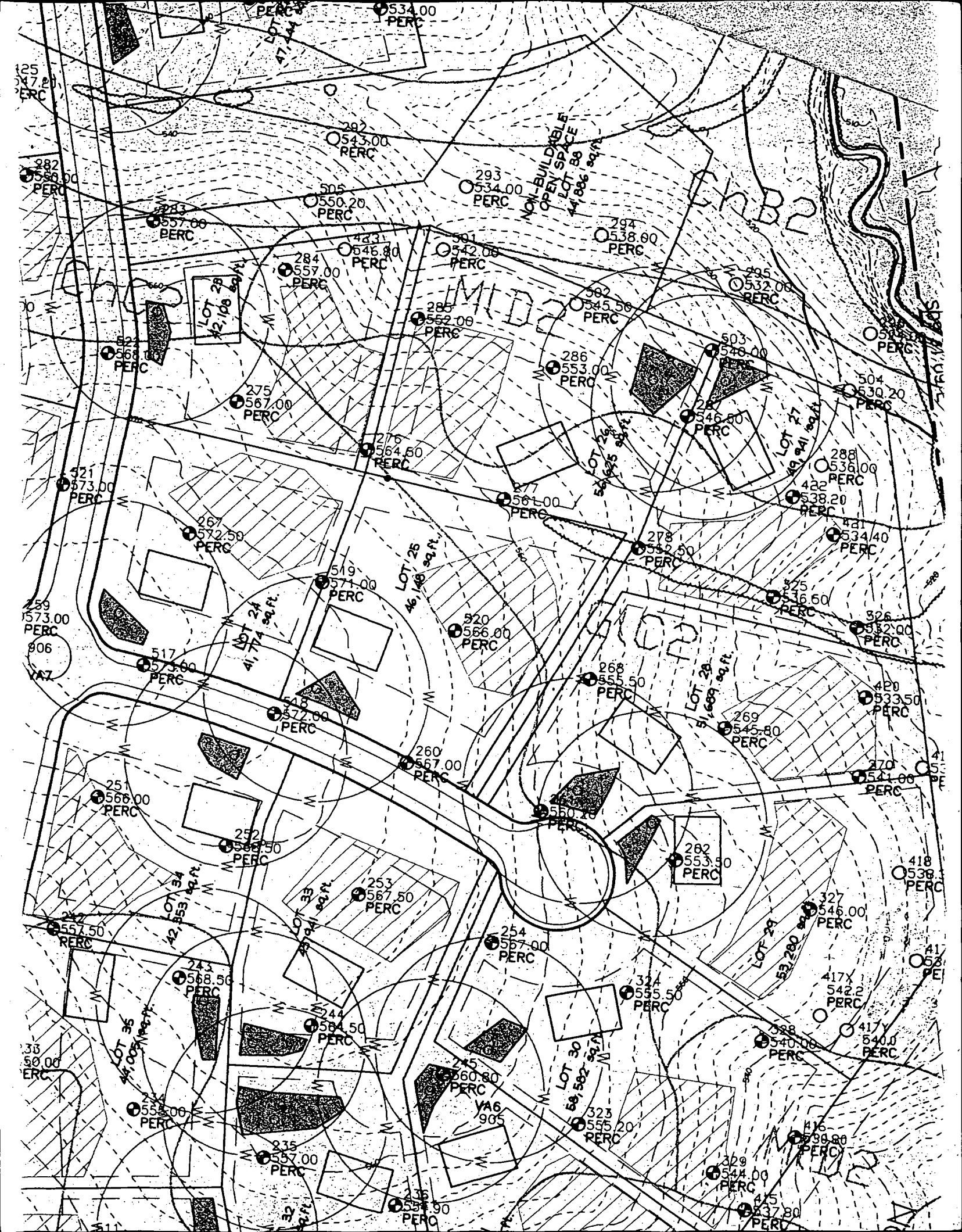


DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-3-99	277	2.5' S	11:16	11:32	11:32	11:56	24
		10.5' D	Visual	- see	profile		OK
	276	11.5' D	Visual	- see	profile		OK
	275	3.5' S	11:24	11:25	11:25	11:27	2
		12.5' D	Visual	- see	profile		OK
	278	12.0' D	Visual	- see	profile		OK
	284	2.5' S	12:03	12:05	12:05	12:07	2
		11.0' D	Visual	- see	profile		OK
	292	6.0' D	Refusal				FAIL
	283	10.0' D	Visual	- see	profile		OK



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-2-99	250	2.5' S	12:44	12:44 ₃	12:44 ₃	12:46	2
		10.5' D	Visual	-see	profile		OK
	259	3.0' S	12:47	12:50 ₃	12:50 ₃	12:55	5
		11.0' D	Visual	-see	profile		OK
	267	11.5' D	Visual	-see	profile		OK
	241	11.0' D	Visual	-see	profile		OK
	240	2.5' S	12:58 ₂	12:59	12:59	1:02	3
		12.0' D	Visual	-see	profile		OK
	249	12.5' D	Visual	-see	profile		OK
	257	3.5' S	1:05 ₃	1:20	1:20	1:30	16
		11.5' D	Visual	-see	profile		OK
	265	11.5' D	Visual	-see	profile		OK
	258	11.5' D	Visual	-see	profile		OK

TESTED BY D. See ALSO PRESENT C. Zepp



282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

282
558.00
PERC

534.00
PERC

282
543.00
PERC

505
550.20
PERC

293
534.00
PERC

294
538.00
PERC

284
557.00
PERC

501
542.00
PERC

295
532.00
PERC

LOT 28
42,198 sq. ft.

285
552.00
PERC

292
545.50
PERC

504
530.20
PERC

275
567.00
PERC

286
553.00
PERC

503
548.00
PERC

288
536.00
PERC

267
572.50
PERC

277
561.00
PERC

422
538.20
PERC

421
534.40
PERC

LOT 24
41,774 sq. ft.

519
571.00
PERC

278
552.50
PERC

275
536.50
PERC

326
532.00
PERC

517
573.00
PERC

320
566.00
PERC

268
555.50
PERC

420
533.50
PERC

548
572.00
PERC

260
567.00
PERC

269
545.80
PERC

270
521.00
PERC

251
560.00
PERC

262
553.50
PERC

418
538.00
PERC

252
560.50
PERC

253
587.50
PERC

327
546.00
PERC

LOT 34
42,553 sq. ft.

254
567.00
PERC

417
542.20
PERC

243
568.50
PERC

244
584.50
PERC

324
555.50
PERC

417
540.00
PERC

244
558.00
PERC

245
560.80
PERC

328
540.00
PERC

416
539.00
PERC

235
557.00
PERC

323
555.20
PERC

329
544.00
PERC

415
537.80
PERC

235
554.90
PERC

325
543.00
PERC

415
537.80
PERC

NON-BUILDABLE
OPEN SPACE
LOT 89
47,886 sq. ft.

LOT 25
46,148 sq. ft.

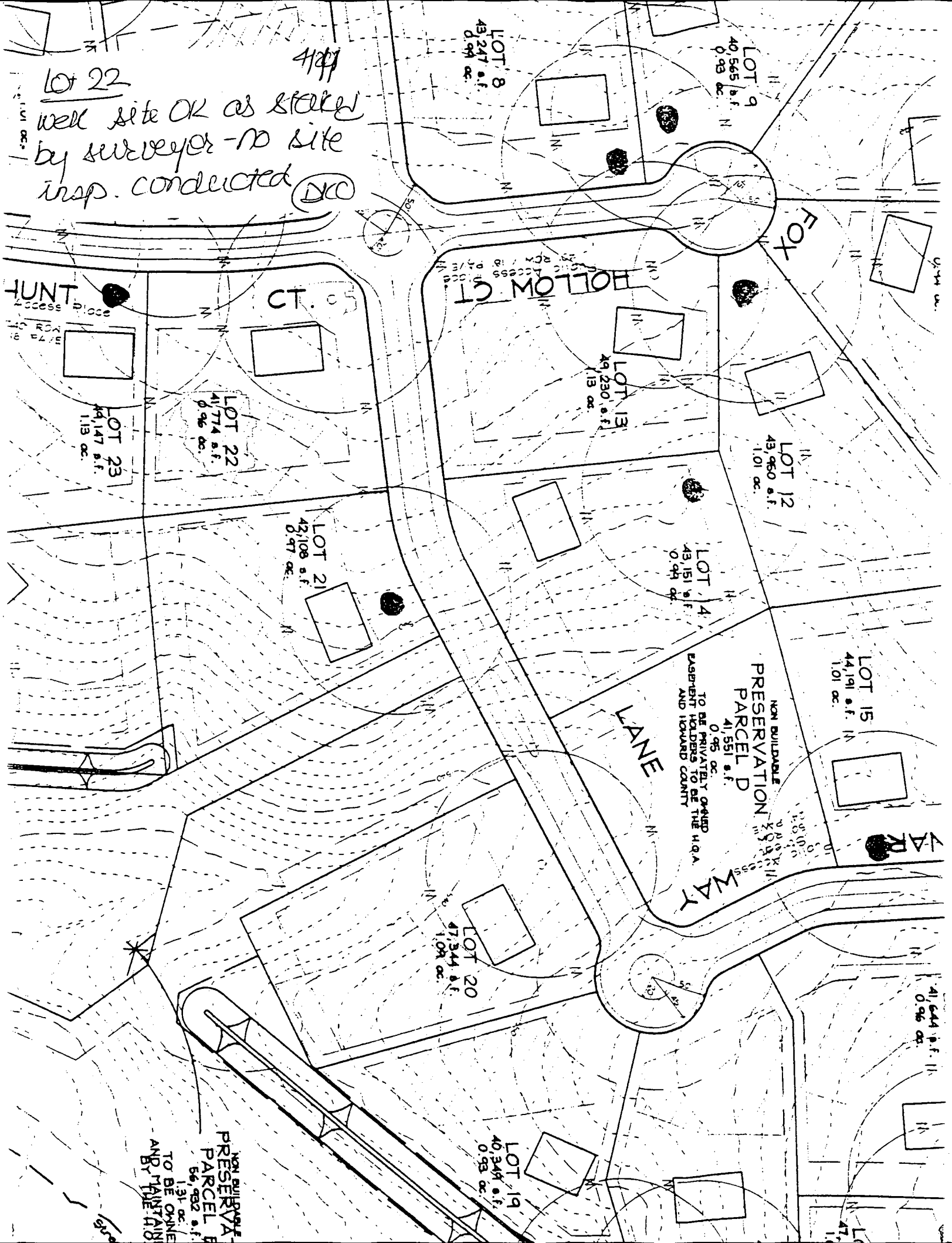
LOT 20
51,609 sq. ft.

LOT 30
58,582 sq. ft.

282
558.00
PERC

282
558.00
PERC

4127
LOT 22
well site OK as stated
by surveyor - no site
insp. conducted (DKC)



NON-BUILDABLE
PRESERVATION
PARCEL D
TO BE PRIVATELY OWNED
AND MAINTAINED
BY THE H.Q.A.

NON-BUILDABLE
PRESERVATION
PARCEL D
TO BE PRIVATELY OWNED
EAST-ENT HOLDERS TO BE THE H.Q.A.
AND HOWARD COUNTY

