

LAYOUT 8/26/03 INSP 4 _____
 INSP 2 8/29/03 - 1PM INSP 5 _____
 INSP 3 9/29/03 10:30 INSP 6 _____

ISSUE DATE: 8/13/2003
 APPROVAL DATE: 9/29/03

**PERMIT
INDEXED**

P 519085
 A 511517-E

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

not found

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: 13

ADDRESS: 12300 Fox Hollow Court PROPERTY OWNER: NVR, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1250 ~~N/A~~ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 135 HOUSE SERVED BY PUBLIC WATER

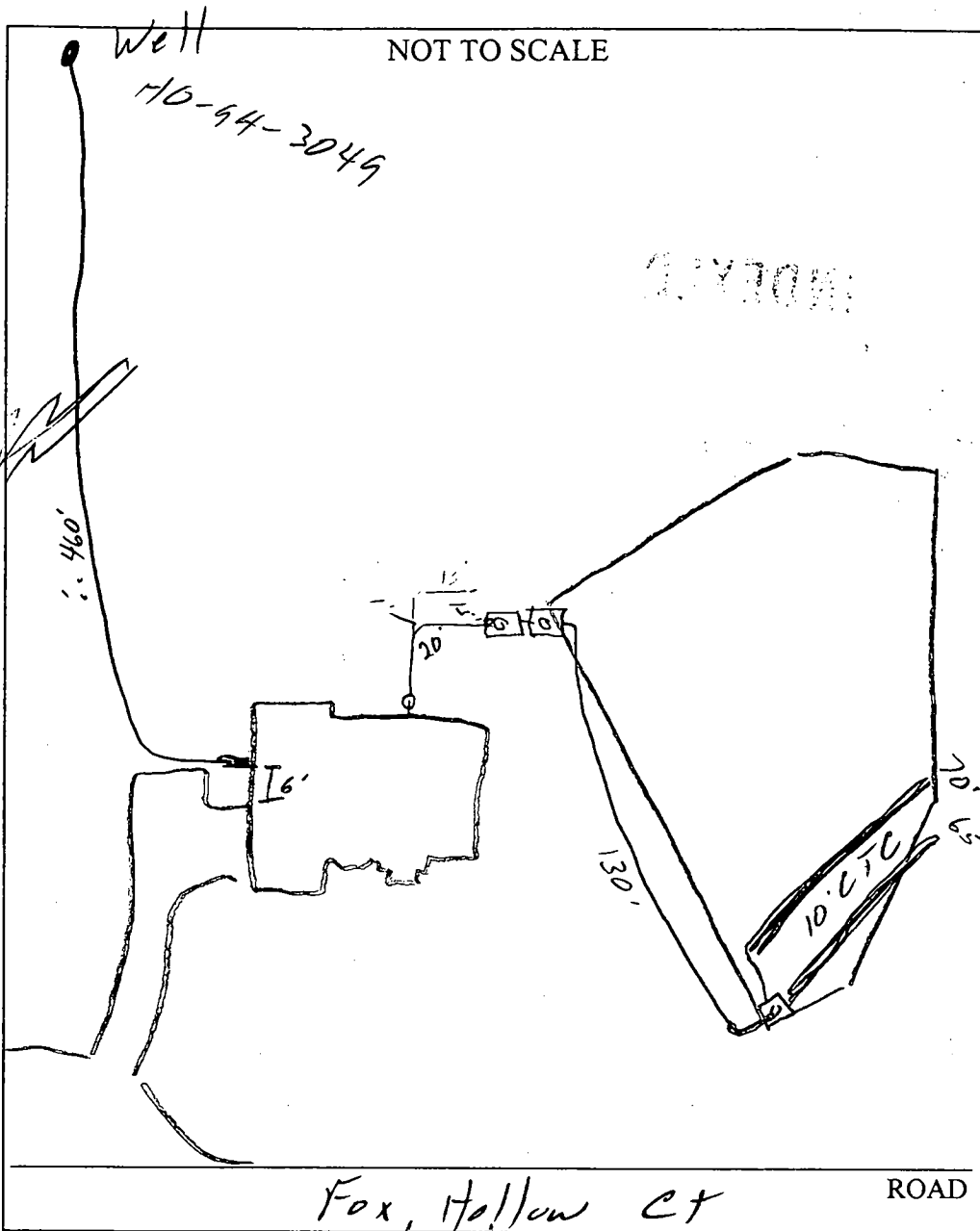
TRENCHES:	Trench to be 2.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 2.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box and septic tank per plan. Ensure distribution box is no deeper than 2.5' below grade. Run trenches on contour. Run 2-65' trenches on contour.
NOTES:	Gravity basement service is proposed.

PLANS APPROVED: KN DATE: 2/20/03

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
 DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

AS11517-E



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	2.5'	6.5'
NUMBER OF TRENCHES		2
TOTAL LENGTH		135'
ABSORPTION AREA		540 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	2-3'
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input checked="" type="checkbox"/>
MANHOLE LOC	Center
6" PORT LOC	Front
WATERTIGHT TEST	<input checked="" type="checkbox"/>
SEPTIC TANK 2 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	2-3'
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input checked="" type="checkbox"/>
MANHOLE LOC	Center
6" PORT LOC	<input checked="" type="checkbox"/>
WATERTIGHT TEST	<input checked="" type="checkbox"/>

PRE-CONSTRUCTION 8/26/03 - SRA Staked, contour correct. Install 65'/70' trenches w/ D.B. at top corner (SO)

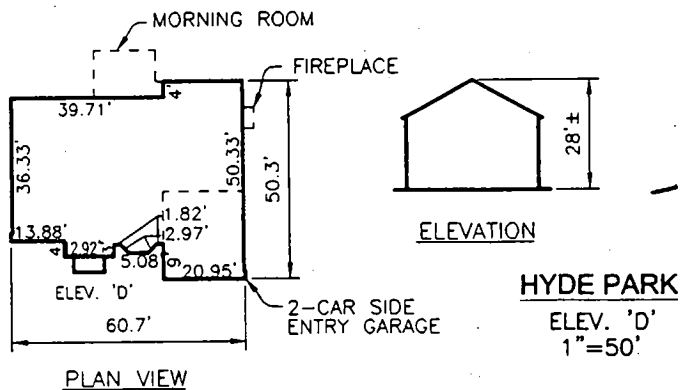
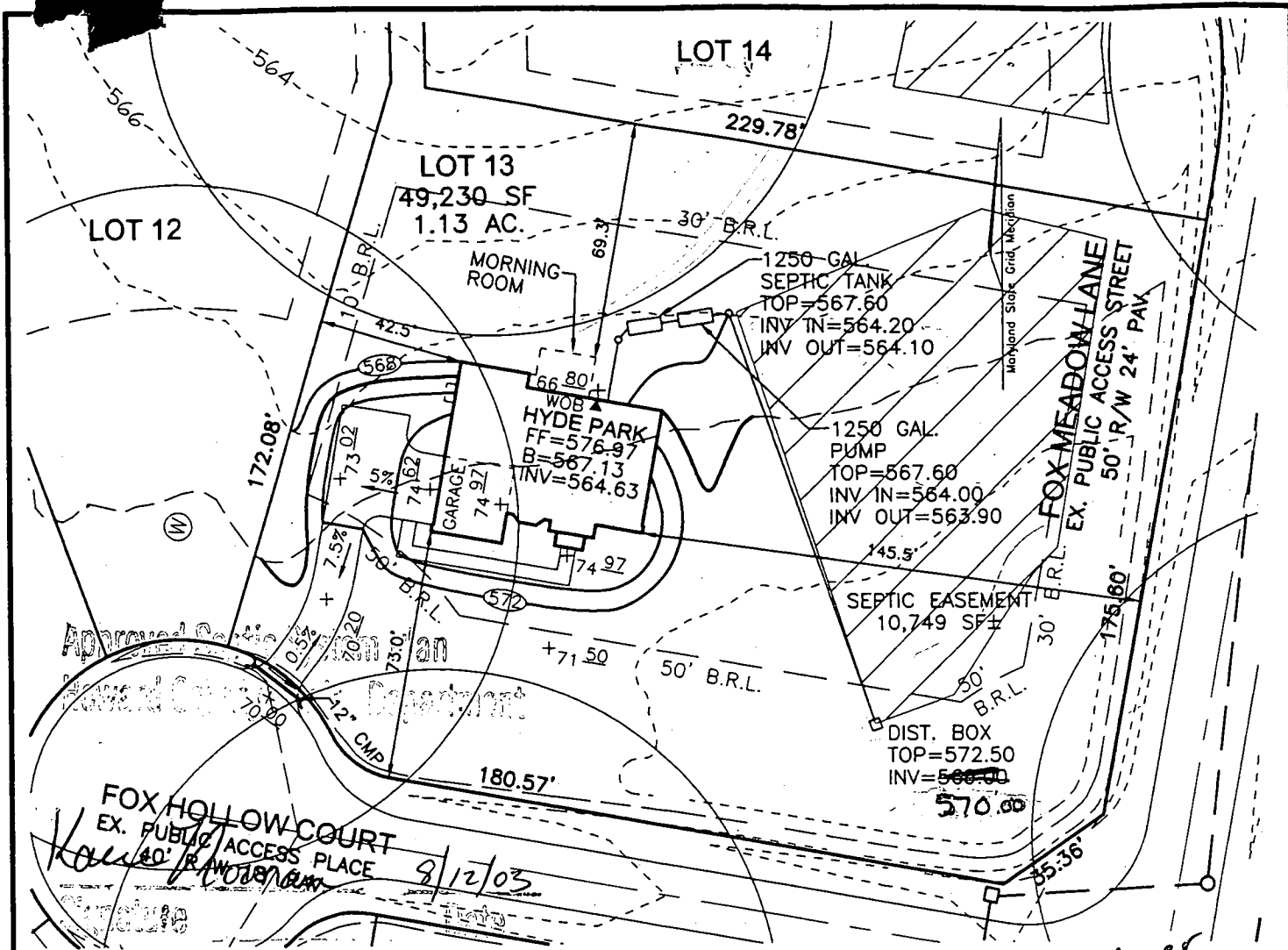
INSTALLATION 8/29/03 - OK to cover all work. Pump & valves tests needed (SO) 9/29/03 Pump & Valves test OK (SO)

FINAL INSPECTOR

[Signature]

DATE OF APPROVAL

9/29/03



*Septic Tank Cover
OK
Basement service
is proposed
ENSURE Dist box
only 2 1/2'
below grade.*



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 13**

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 Plbg. & Htg. Telephone #: 301 829 0444
Address: 3 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 A. Van Sant License# 10436

*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: UV Homes Telephone #: 410-379-5956
Subdivision: Iron Creek Lot #: 13 Well Tag #: HO-94-3049
Site Address: 12300 Iron Hollow Ct.
Ellicott City MD 21043

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Goulds Make: Camco Two piece watertight cap:
Model #: RS10422 Model #: 510V 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: _____ (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: Poly eth line PVC sleeved to undisturbed soil at wall penetration: 5
PSI: 200 (100 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 of company representative responsible for installation: [Signature] date: 9.25.03

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

Date Insp. Requested: 9/18/03 Date Insp. Approved: 9/18/03 50 (KNS)
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

B 1 0625 SEQUENCE NO. (MDE USE ONLY)

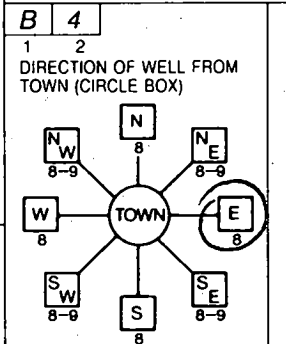
STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER 4 HO-94-3049 fill in this form completely 79

Date Received (APA) 02/21/01 OWNER INFORMATION IKO-Tennant Development 3403 Olandwood Ct., Suite 101 Olney, MD 20832

B 3 LOCATION OF WELL Howard 8 COUNTY. Fox Creek 23 SUBDIVISION SECTION 44 46 LOT 14 (13) 48 50 West Friendship 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 M 11 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



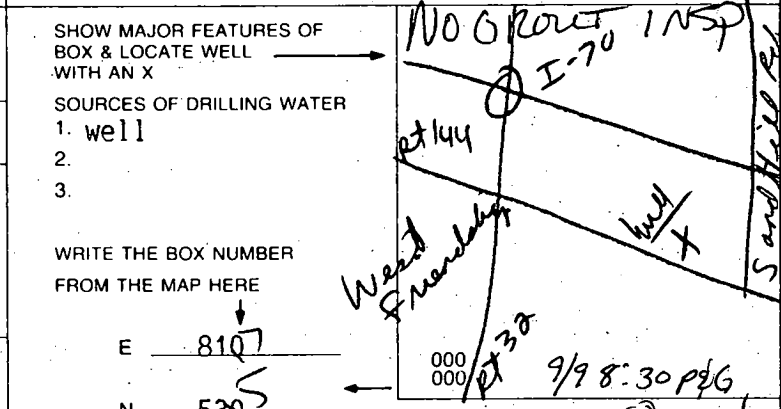
B 4 Fox Hollow Court 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W EAST E SOUTH S 34 30 37 DISTANCE FROM ROAD ft. ENTER FT OR MI 38 39 TAX MAP: 15 BLK: PARCEL 183

B 2 WELL INFORMATION APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED 300 (GAL. PER DAY) 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 03/23/01 CO SIGNATURE EXP. DATE 03/22/07 43 MM DD YY 48 NORTH GRID 535000 EAST GRID 0017 000 50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH



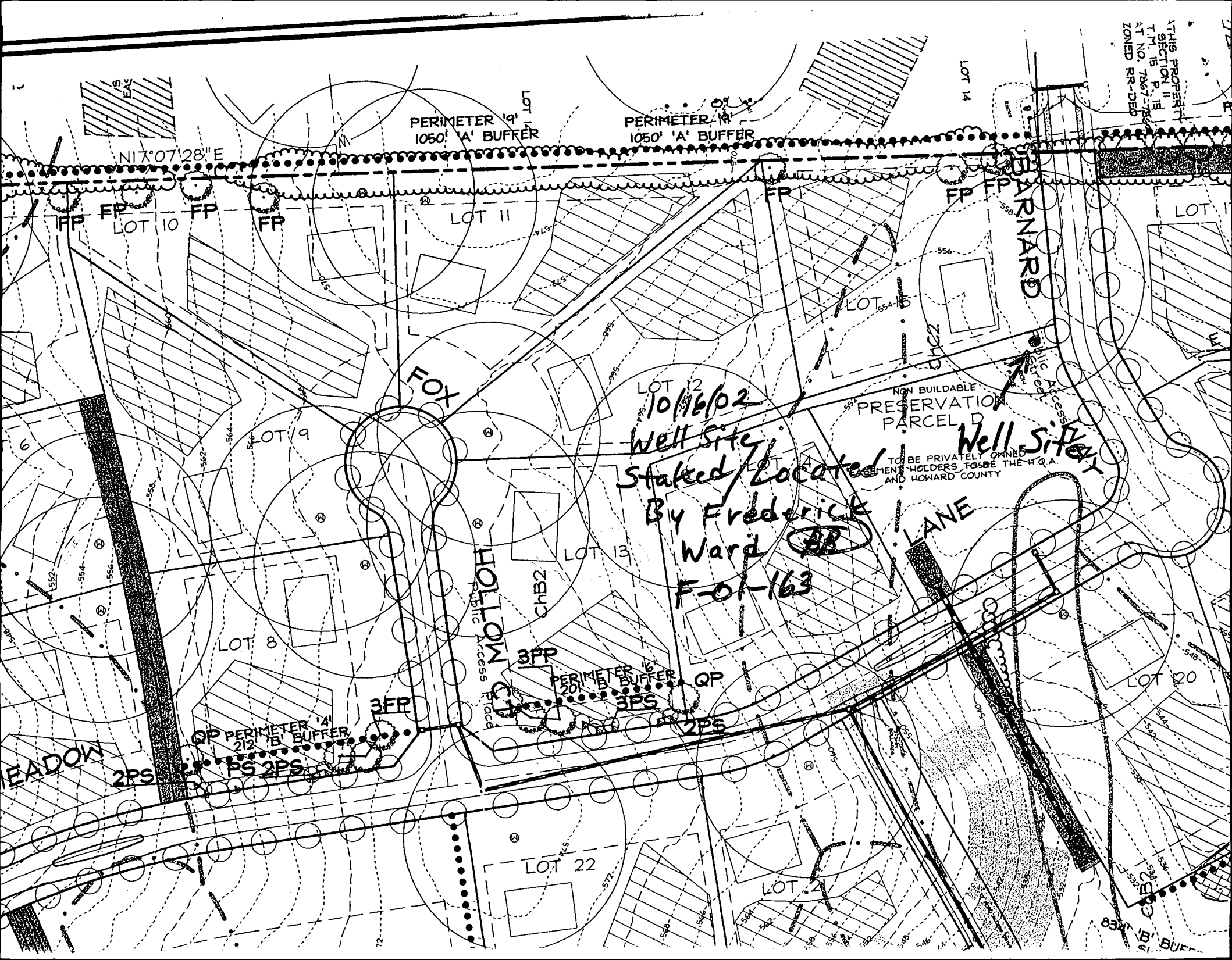
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PE Percussion ROTARY (Hydraulic Rotary) 30 CABLE REVERSE-ROTary DRIVE-POINT 37 other

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 DEEPEAN 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 H02001000 PERMIT No. HO-94-3049 70 71 72 73 74 75 76 77 78 79

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

THIS PROPERTY
SECTION II
T.M. 15 P. 14
AT NO. 7867-7868
ZONED RR-DED



PERIMETER 1050' 'A' BUFFER

PERIMETER 1050' 'A' BUFFER

N17°07'28"E

FP LOT 10 FP FP

LOT 11

FP FP FP

HARDARD

LOT 14

FOX

LOT 12

NON BUILDABLE PRESERVATION PARCEL D

Well Site

10/16/02
Well Site
Staked/Located
By Frederick
Ward

F-01-163

LANE

LOT 9

LOT 13

LOT 8

MOTTON
Public Access Road

3FP

PERIMETER 16' BUFFER

3PS

2PS

QP PERIMETER 4' 'B' BUFFER

3FP

2PS

LOT 22

LOT 20

LOT 20

LOT 22

832

PERIMETER 16' BUFFER

SEPTIC SPECIFICATIONS WORK-SHEET

SUBDIVISION: Fox Creek

A511517-E

STREET NAME: 12300 Fox Hollow Ct.

LOT NUMBER: 1413

AVERAGE PERCOLATION RATE: 2

SQUARE FEET PER BEDROOM: 180

NUMBER OF BEDROOMS: 4

LINEAR FEET OF TRENCH PER BEDROOM: _____

TOTAL LINEAR FEET OF TRENCH: 130

SEPTIC TANK CAPACITY: ≥ 1250

TOP SEAMED TANK REQUIRED? YES NO

COMPARTMENTED TANK REQUIRED? YES NO

$$\frac{180 \times 4}{2} \times 36 = 130' \text{ TLF}$$

TRENCH DIMENSIONS: Trench to be 2 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade.

Effective area begins at 2.5 feet below original grade. 4 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 S.T. and d. box per plan. ENSURE

DIST. BOX IS NO DEEPER THAN 2 1/2 below

grade. Run trenches on contour. Run 2.65' on contour

ADDITIONAL NOTES: Basement service is proposed

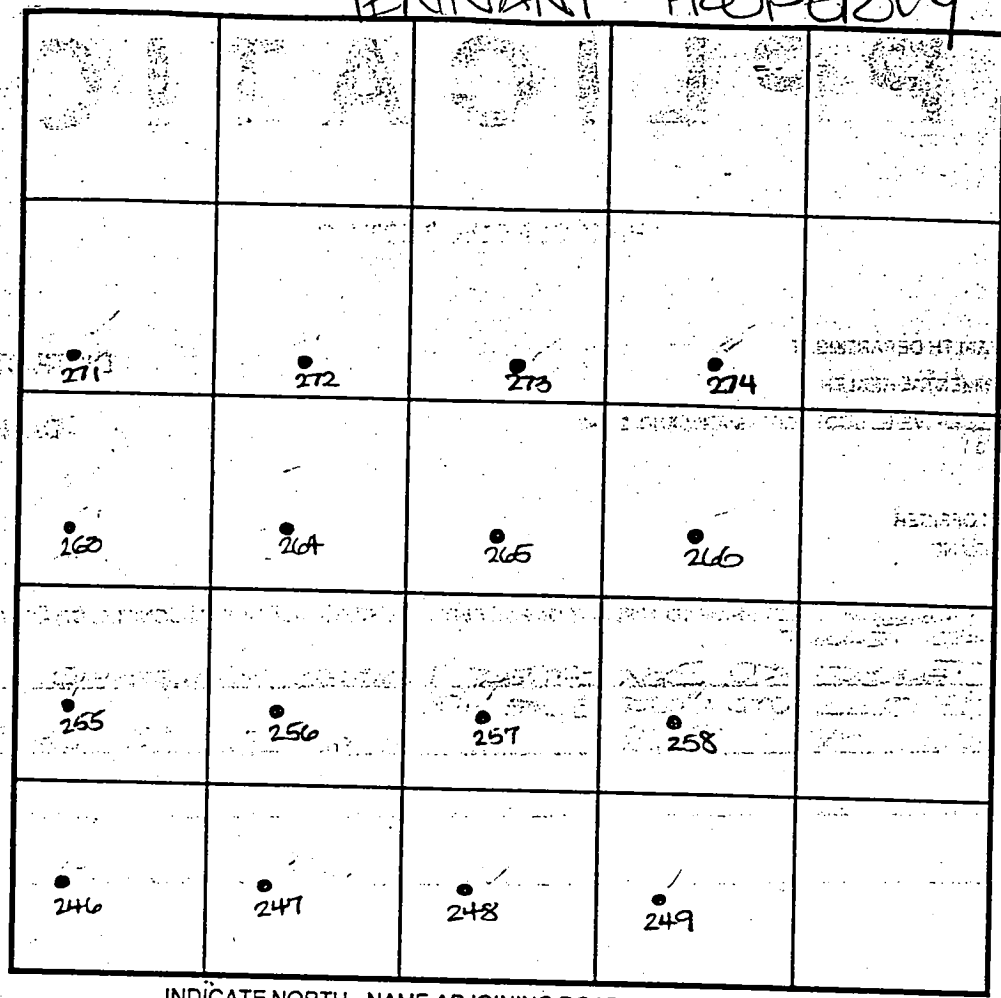
Reviewer: (Signature) / SRK

Date: 2/20/03

TENANT PROPERTY

COUNTY # _____

SOIL PROFILE



SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
<div style="font-size: 2em; font-family: cursive;">See Attached</div>							

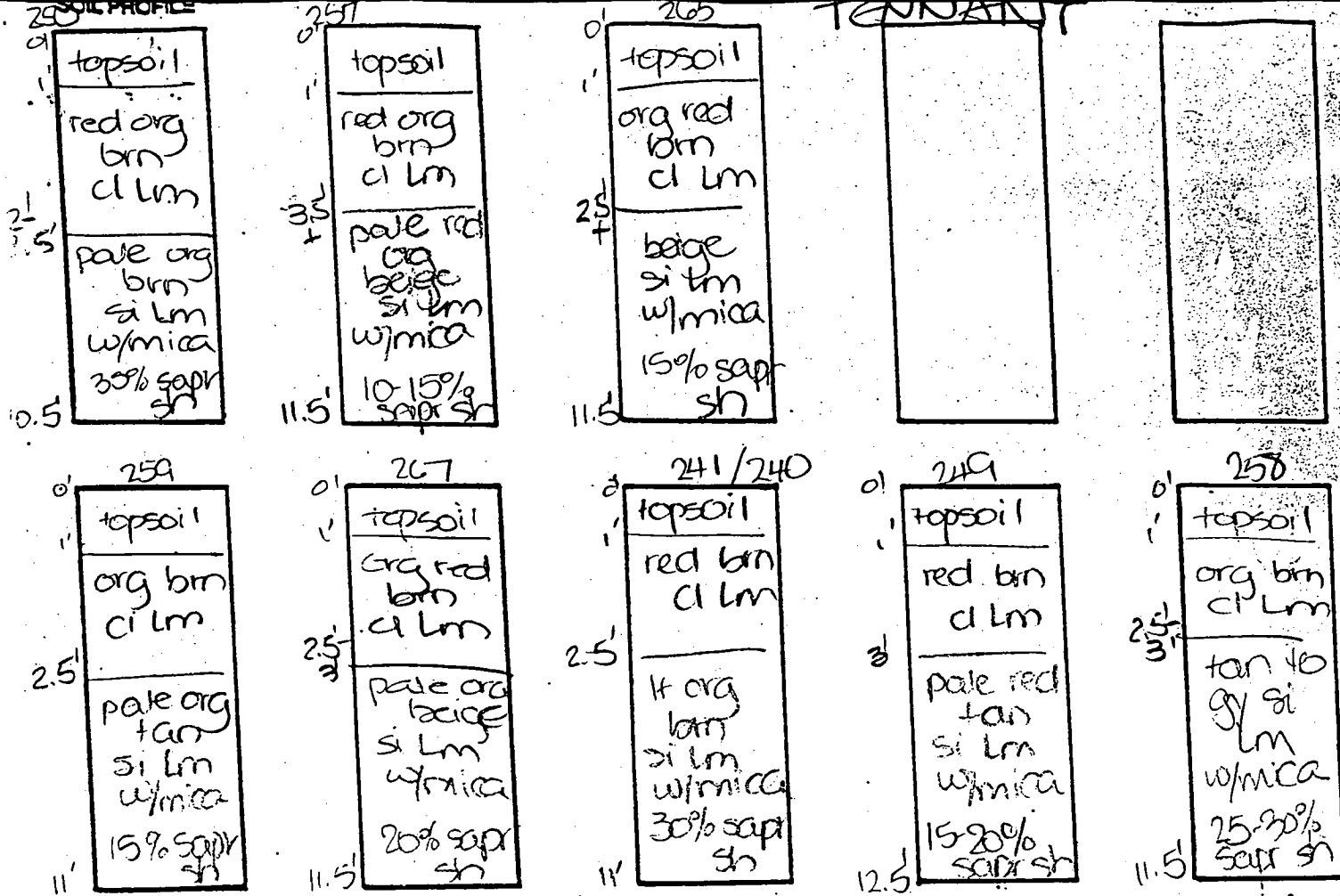
REMARKS _____

TYPE OF SOIL _____

TESTED BY D. Sae ALSO PRESENT C. Zapp

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	
6-2-99	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

TENNAUT

COUNTY #

SOIL PROFILE

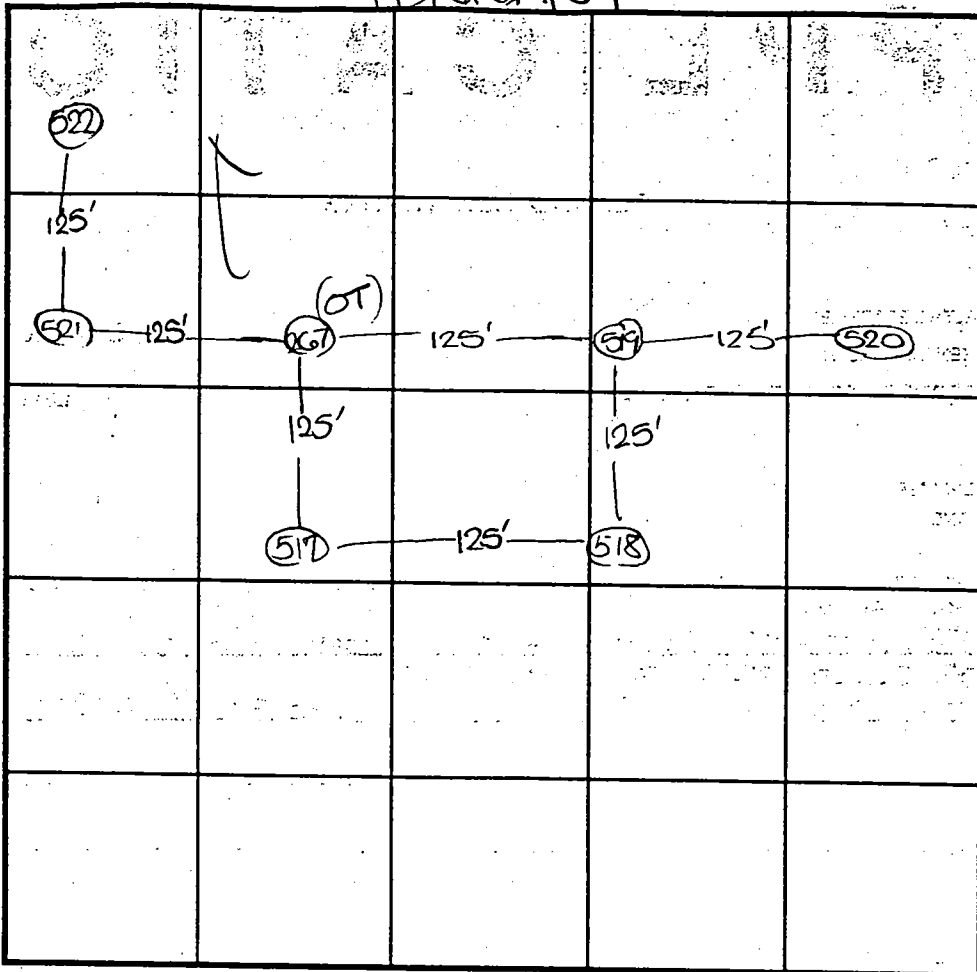
517/520

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

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

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

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

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

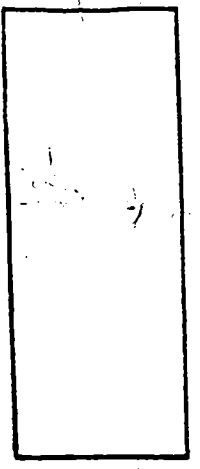
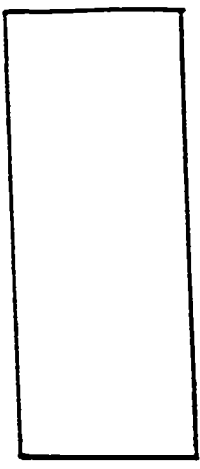
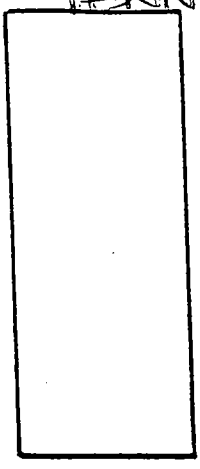
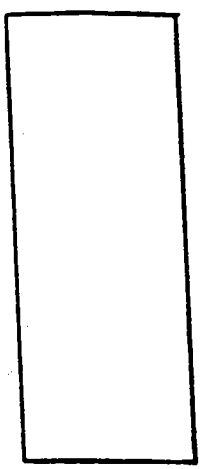
REMARKS: holes 517-522 not staked

TYPE OF SOIL _____
 TESTED BY: D. Soe ALSO PRESENT: C. Zepp
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

SOIL PROFILE

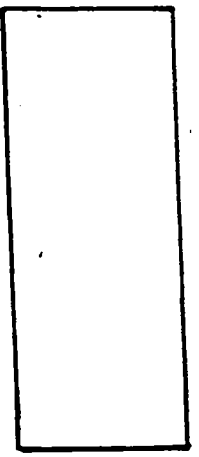
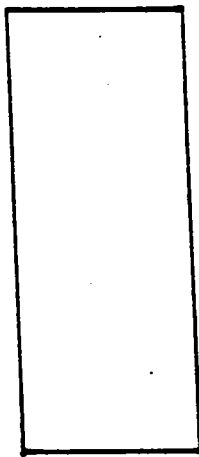
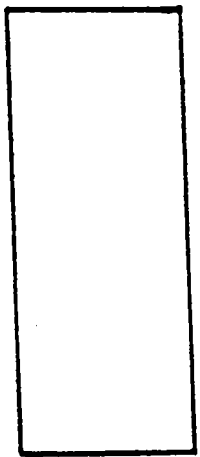
TENNANT

263
0'
topsoil
org red
brn
cl Lm
beige
si Lm
w mica
25%+
sapr
sh
10.5'



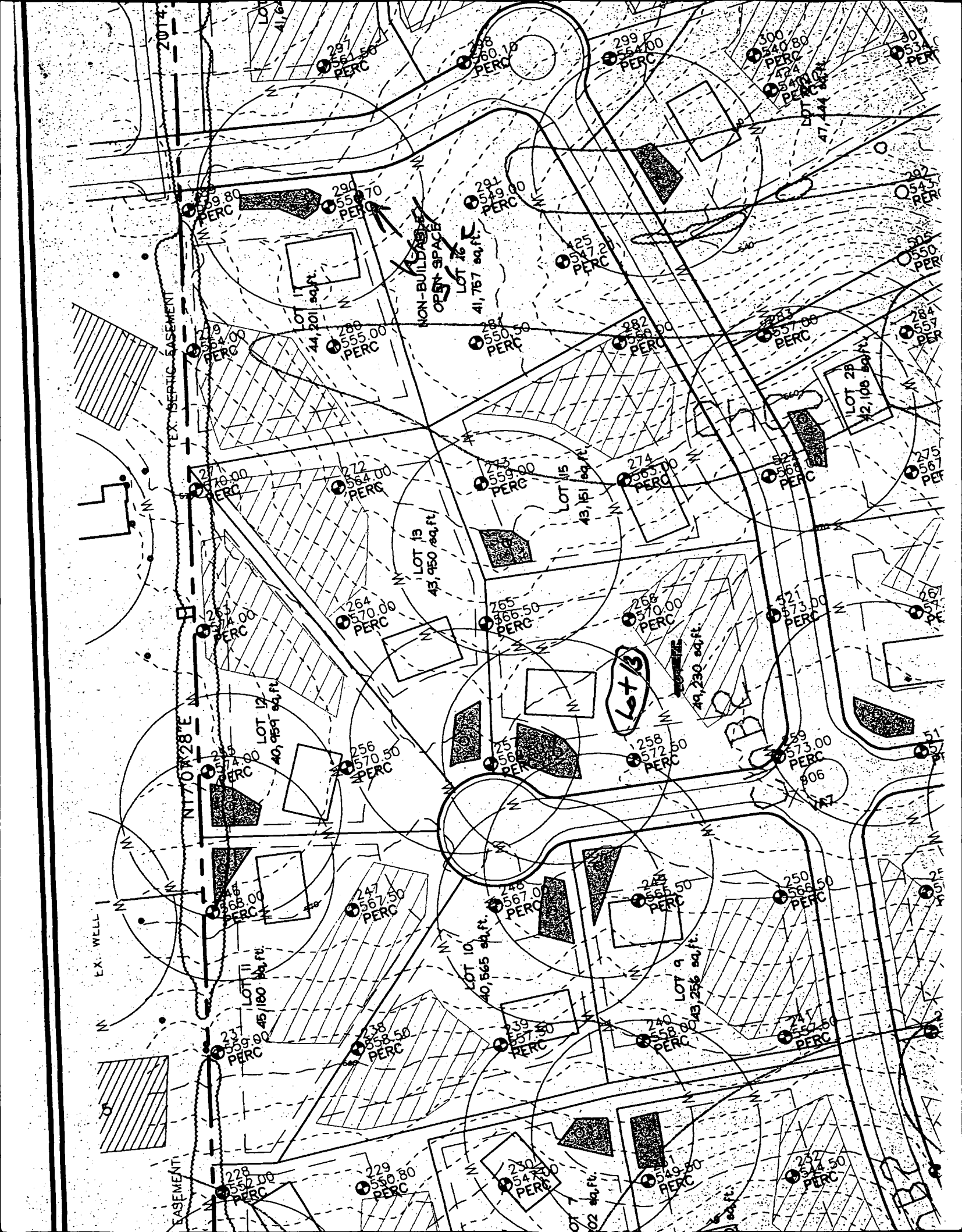
264
like
263
w/ 10-15%
sapr
sh
11'4"

0'
266
topsoil
org brn
cl Lm
pale gy
beige
si Lm
w mica
25%
sapr
sh
11'



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-2-99	263	10.5'D	Visual	- see	profile		OK
	264	3.0'S	2:21 ₃	2:22 ₃	2:22 ₃	2:25	3
		11'4"D	Visual	- see	profile		OK
	266	3.0'S	2:26 ₃	2:27	2:27	2:29	2
		11.0'D	Visual	- see	profile		OK
	→ 265	3.0'S	3:00	3:02	3:01 ₂	3:04	3
		11.0'D	Visual	- see	profile		OK
	→ 265	1'S	3:05				
		1'D					

TESTED BY D. Soe ALSO PRESENT C. Lepp



PLAT OF
MATHIS PROPERTY
TM 15 P 15
PLAT NO. 7867-7869
ZONED RR-DEO

LOT 14

REAL PROPERTY
(UNDEVELOPED)
PLAT NO. 7867-7869

07/30/02

DATE

08/13/02

DATE

LOT 15

LOT 12
43950 SQ. FT.
1.0090 AC.

LOT 14
41682 SQ. FT.
0.9569 AC.

LOT 11
40940 SQ. FT.
0.9399 AC.

LOT 13
50731 SQ. FT.
AREA THIS SHEET =
1.1646 AC.
TOTAL AREA =
54194 SQ. FT.
1.2441 AC.

LOT 10
45179 SQ. FT.
1.0372 AC.

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

LOT 22
46005 SQ. FT.
1.0561 AC.

LOT 9
40565 SQ. FT.
0.9312 AC.

LOT 8
43288 SQ. FT.
0.9938 AC.

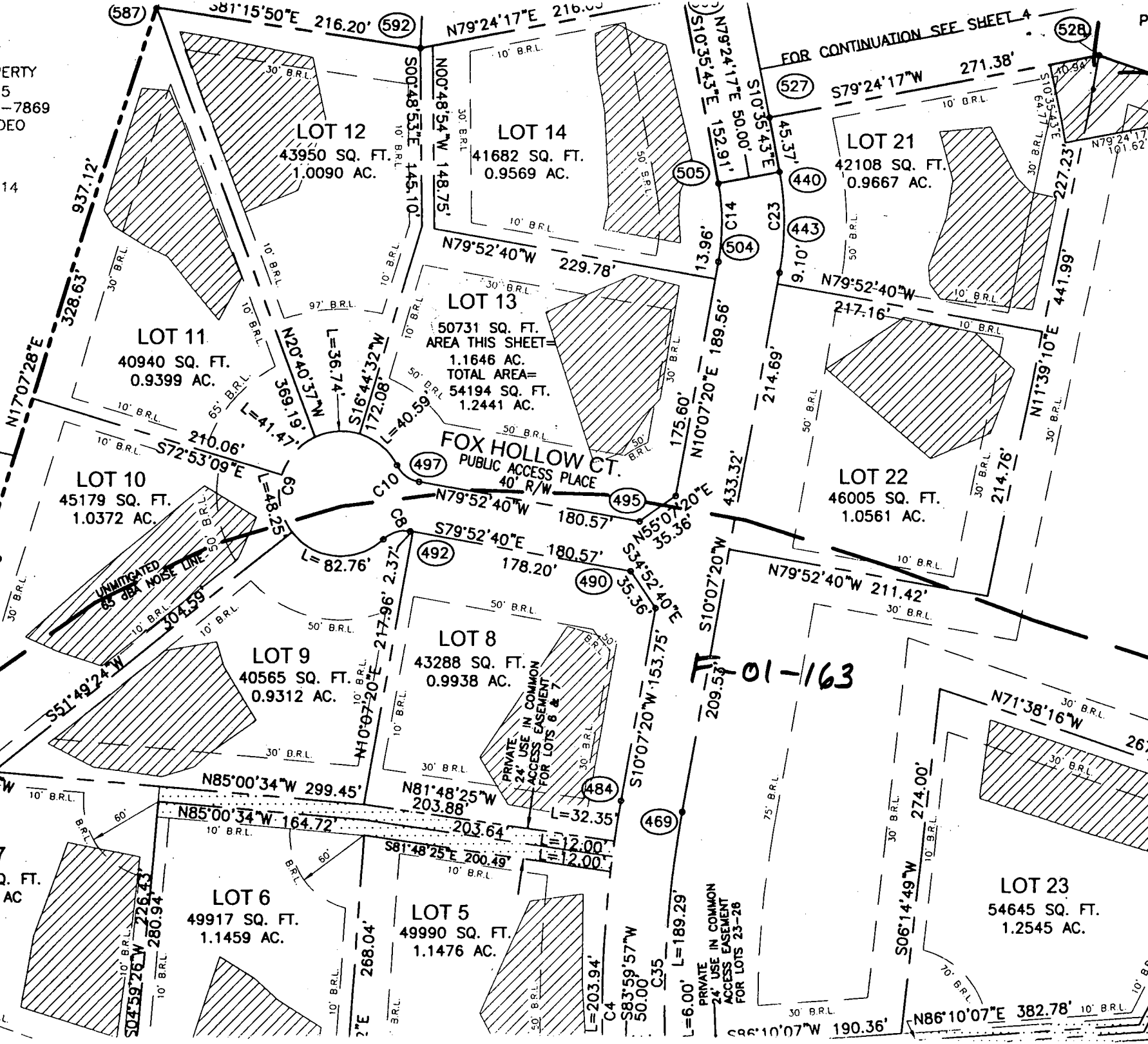
LOT 7
49999 SQ. FT.
1.1478 AC.

LOT 6
49917 SQ. FT.
1.1459 AC.

LOT 5
49990 SQ. FT.
1.1476 AC.

LOT 23
54645 SQ. FT.
1.2545 AC.

FOR CONTINUATION SEE SHEET 4



01-163