

LAYOUT 4/17/03 - 12:30pm INSP 4 [Signature]
 INSP 2 11/26/03 - 10:30 INSP 5 _____
 INSP 3 12/16/03 3PM INSP 6 _____

ISSUE DATE: 10/6/2003
 APPROVAL DATE: 12/16/03

P 519601
 A 511517-A

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

03-339297

Van Sant Plumbing & Heating IS PERMITTED TO INSTALL ALTER

ADDRESS: 3 N. Main Street, Mount Airy PHONE NUMBER: 800-682-6726

SUBDIVISION: Fox Creek LOT NUMBER: 4

ADDRESS: 12309 Fox Meadow Lane PROPERTY OWNER: NVR, Inc

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

PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 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 near the corner easement stake that is closest to Frederick Road (as shown on the building permit plan). Run trenches on contour in both directions.
NOTES:	Trenches should be 10 foot center-to-center. Keep the septic tanks as far from the center of the swale as possible.

PLANS APPROVED: Brian Baker 10/16/03 [Signature] DATE: 1/3/2003

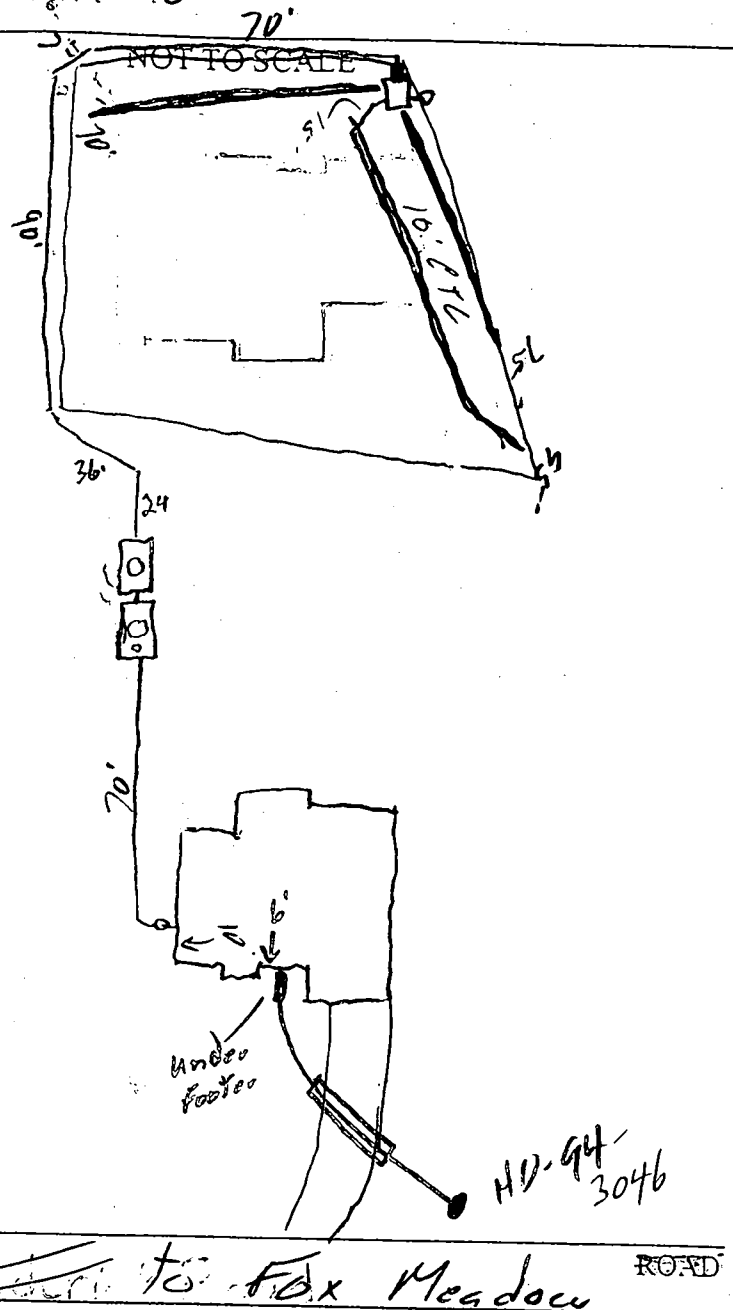
- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

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
10-7-05 BCB156389-IGPOOL

A511517-A

HV 7-16



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
<u>3</u>	<u>2.5</u>	<u>4.5</u>
NUMBER OF TRENCHES		<u>3</u>
TOTAL LENGTH		<u>240'</u>
ABSORPTION AREA		<u>720sf</u>
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	<u>1250</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2'</u>
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	<u>Center</u>
6" PORT LOC	<u>Front</u>
WATERTIGHT TEST	<input type="checkbox"/>
SEPTIC TANK 2 LEVEL	<input checked="" type="checkbox"/>
CAPACITY	<u>1250</u> GAL
SEAM LOC	<u>Top</u>
TANK LID DEPTH	<u>2'</u>
BAFFLES	<input checked="" type="checkbox"/>
BAFFLE FILTER	<input type="checkbox"/>
MANHOLE LOC	<u>Center</u>
6" PORT LOC	<input type="checkbox"/>
WATERTIGHT TEST	<input type="checkbox"/>

~~Return to Fox Meadow~~ ROAD

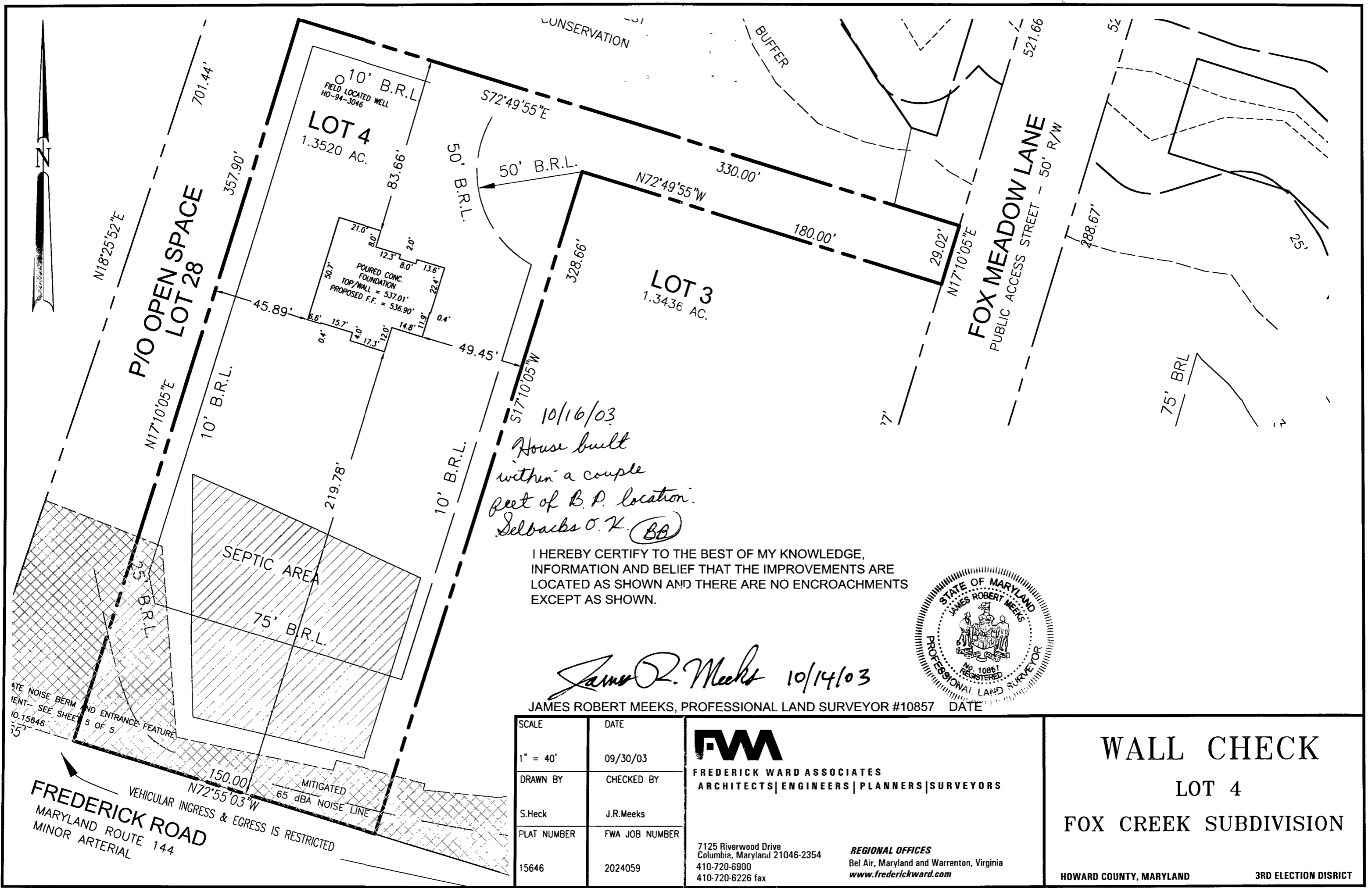
PRE-CONSTRUCTION 11/17/03 To install trenches as per plan. Keep trenches out of swale/drainage area. Keep tanks away from center of swale. (BB)

INSTALLATION 11/26/03 - OK to cover all work. Pump & Alarm test needed (SO) 12/16/03 - Pump & Alarm test OK (SO)

FINAL INSPECTOR [Signature]

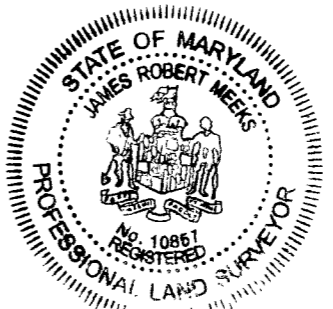
DATE OF APPROVAL 12/16/03

COMMUNITY DEVELOPMENT DEPARTMENT



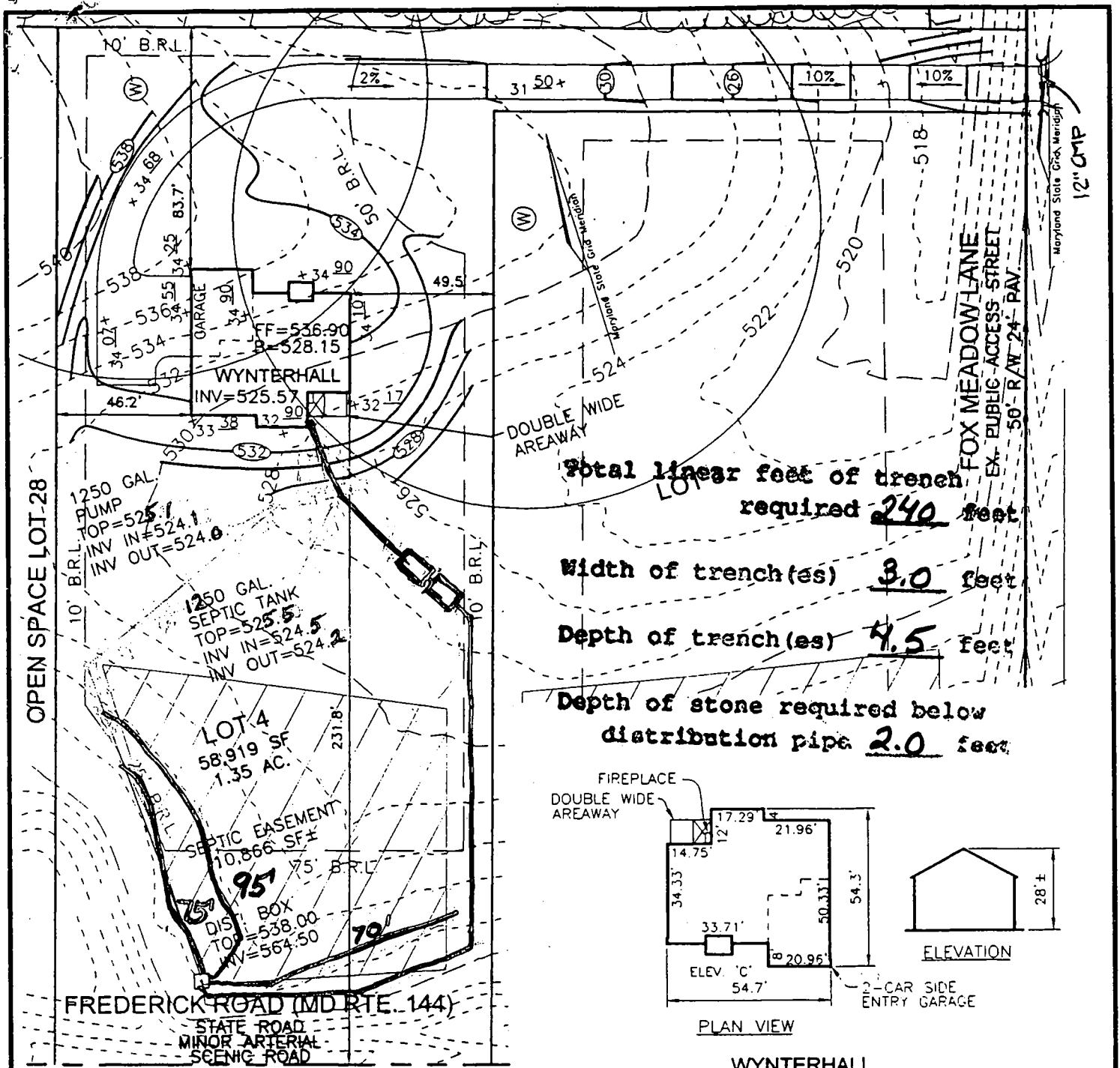
I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN AND THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN.

James R. Meeks 10/14/03



JAMES ROBERT MEEKS, PROFESSIONAL LAND SURVEYOR #10857		DATE
SCALE	1" = 40'	09/30/03
DRAWN BY	S.Heck	CHECKED BY J.R.Meeks
PLAT NUMBER	15646	FWA JOB NUMBER 2024059
FWA 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 4
 FOX CREEK SUBDIVISION
 HOWARD COUNTY, MARYLAND
 3RD ELECTION DISTRICT

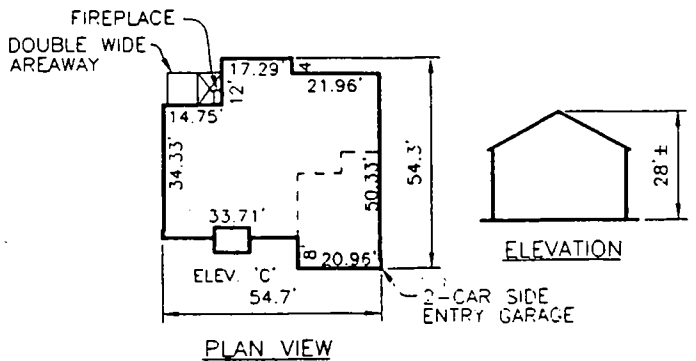


Total linear feet of trench required 240 feet

Width of trench(es) 3.0 feet

Depth of trench(es) 4.5 feet

Depth of stone required below distribution pipe 2.0 feet



WYNTERHALL
Approved Septic System Plan
Howard County Health Department



FREDERICK WARD ASSOCIATES, INC.
 7125 Riverwood Drive Columbia, Maryland 21046-2354
 Phone: 410-290-9550 Fax: 410-720-6226
 Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

SCALE 1"=50'
 DRAWN BY CMH
 CHECKED BY JCO
 DATE DEC. 2002
 W. O. # 2019035.00
 SHEET # 1 OF 1

NVHomes
FOX CREEK SUBDIVISION
 Signature Brian Baker 1/2/03
 Date

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.
204 Hwy MD 2071

(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# 6936

*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: M Homes Telephone #: 410-379-5956
Subdivision: For Creek Lot #: 4 Well Tag #: HO-99-3046
Site Address: 12209 Fox Meadow Ln
West Friendship MD 21794

Submersible Pump Data

Make: Goulds
Model #: 7G305432
Pump Capacity: _____ GPM
Well Yield: _____ GPM

Pitless Adapter

Make: Campbell
Model #: 510X
Depth: 42 (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: 20 (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 bolt NO

Piping to house

Type: PVC Schedule 40
PSI: 200 (160 psi min)
Depth of supply line 2 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: 15
Approximate length of sleeve: 15
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: 12.3.03

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

Date Insp. Requested: 11/21/03 Date Insp. Approved: 50
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

THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL" KN 7/20/02 HO-94-3046

OWNER TKO STREET OR RFD Fox Meadow Lane TOWN West Friendship SUBDIVISION Fox Creek SECTION LOT 4

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	32	
BLUE SLATE	32	200	✓

WATER AT 52'

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO
TYPE OF GROUTING MATERIAL (Circle one) CEMENT BENTONITE CLAY
CEMENT BENTONITE CLAY
NO. OF BAGS 11 NO. OF POUNDS 1034
GALLONS OF WATER 66
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 39 ft.

CASING RECORD
casing types insert appropriate code below
STEEL CONCRETE
PLASTIC OTHER
MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot)
ST 6 40

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

SCREEN RECORD
screen type or open hole insert appropriate code below
STEEL BRASS OPEN HOLE
PLASTIC OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES NO

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 Clune
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MWD 536
Robert Clune Jr.

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

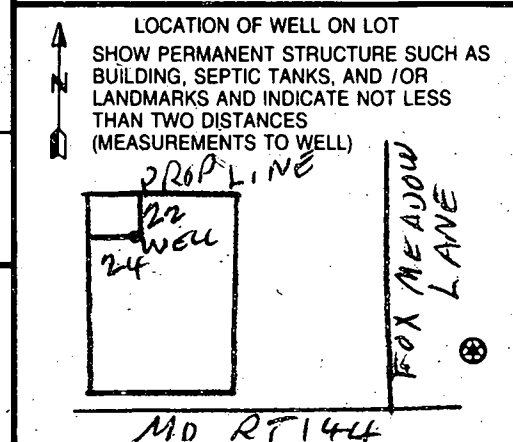
C2 DEPTH (nearest ft.)
NO 39 200
EACH CASING diameter depth (feet) inch from to
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH) 56 60
from to

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

C3 PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min.) 3
METHOD USED TO MEASURE PUMPING RATE Pouchel
WATER LEVEL (distance from land surface) BEFORE PUMPING 20 ft. WHEN PUMPING 141 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
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETE 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 (nearest foot) (-) below 1 (nearest foot)



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-30460
 Location of property (road) FOX MEADOW LANE
 Subdivision FOX CREEK Lot 4 Block _____ Plat _____ Sec. _____
 Well Driller CLINE & DWALL Owner IKO

Depth of well 200
 Distance of measuring point (M.P.) above ground 1
 Static water level (S.W.L.) below M.P. 20

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12
 Total time 30 MIN to reach pumping water level 141 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	20	25 SECONDS		12
8:45	99	25 "		12
8:59	140	25 "		12
9:00	141	1 MIN. 40 SEC.		3
9:15	141	1 MIN. 40 SEC.		3
9:30	141	1 MIN. 40 SEC.		3
9:45	141	1 MIN. 40 SEC.		3
10:00	141	1 MIN. 40 SEC.		3
10:15	141	1 MIN. 40 SEC.		3
10:30	141	1 MIN. 40 SEC.		3
10:45	141	1 MIN. 40 SEC.		3
11:00	141	1 MIN. 40 SEC.		3
11:15	141	1 MIN. 40 SEC.		3
11:30	141	1 MIN. 40 SEC.		3
11:45	141	1 MIN. 40 SEC.		3
12:00	141	1 MIN. 40 SEC.		3
12:15	141	1 MIN. 40 SEC.		3
12:30	141	1 MIN. 40 SEC.		3
12:45	141	1 MIN. 40 SEC.		3
1:00	141	1 MIN. 40 SEC.		3
1:15	141	1 MIN. 40 SEC.		3
1:30	141	1 MIN. 40 SEC.		3
1:45	141	1 MIN. 40 SEC.		3
2:00	141	1 MIN. 40 SEC.		3

B 1 0622

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

10-94-3046

Date Received (APA) 02/21/01

OWNER INFORMATION

IKO-Tennant Property, 3403 Olandwood Ct., Suite 101, Olney, MD 20832

LOCATION OF WELL: Howard County, Fox Creek Subdivision, West Friendship, 1 mile from town

DRILLER INFORMATION: Robert L. Cline, MWD 139, Cline & Duvall, Inc., 8093 Hillmark Ct., Frederick, MD 21704

LOCATION OF WELL: Fox Meadow Lane, 300 ft from road, East side, Tax Map 15, Parcel 183

WELL INFORMATION: APPROX. PUMPING RATE 5 GAL PER MIN, AVERAGE DAILY QUANTITY NEEDED 300 GAL PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard County, State Signature, Date Issued 03/23/01, Exp. Date 03/23/02

USE FOR WATER: DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (D)

APPROXIMATE DEPTH OF WELL 250 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X: Includes sketch of well location near Rt 144 and I-70.

METHOD OF DRILLING: AIR-PerCUSSION

REPLACEMENT OR DEEPEMED WELLS: THIS WELL WILL NOT REPLACE AN EXISTING WELL (N)

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROX. PERMIT NUMBER 10-2001G00

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

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

VEHICULAR INGRESS
IS RESTRICTED
EGRESS

VEHICULAR INGRESS & EGRESS
IS RESTRICTED

DERICK ROAD

WARTLAND FOSTE LN
STATE ROAD
DUNN DRIVE

75' 418°25'32" E

708'

LOT 4
58,919 s.f.
1.35 ac.

LOT 3
58,588 s.f.
1.35 ac.

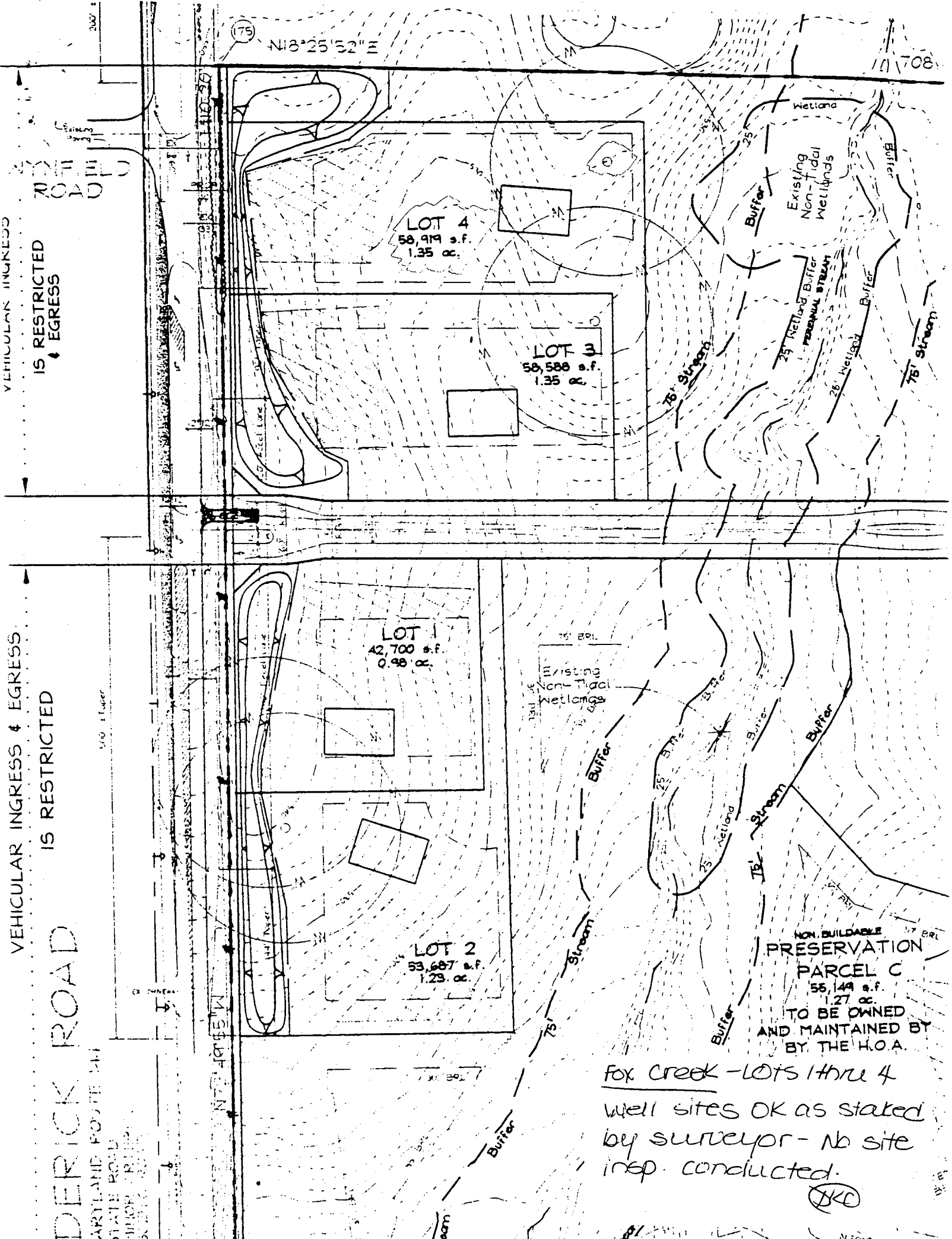
LOT 1
42,700 s.f.
0.98 ac.

LOT 2
53,687 s.f.
1.23 ac.

NON-BUILDABLE
PRESERVATION
PARCEL C
55,149 s.f.
1.27 ac.
TO BE OWNED
AND MAINTAINED BY
BY THE H.O.A.

Fox Creek - Lots 1 thru 4
well sites OK as stated
by surveyor - No site
insp. conducted.

(JKO)



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
3403 Cheswood Court, Suite 101
ADDRESS Olney, MD 20832 PHONE 301 924-5645

AGENT OR PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION TENNANT PROPERTY LOT NO. _____

ROAD AND DESCRIPTION FREDERICK 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)

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

TENANT PROPERTY

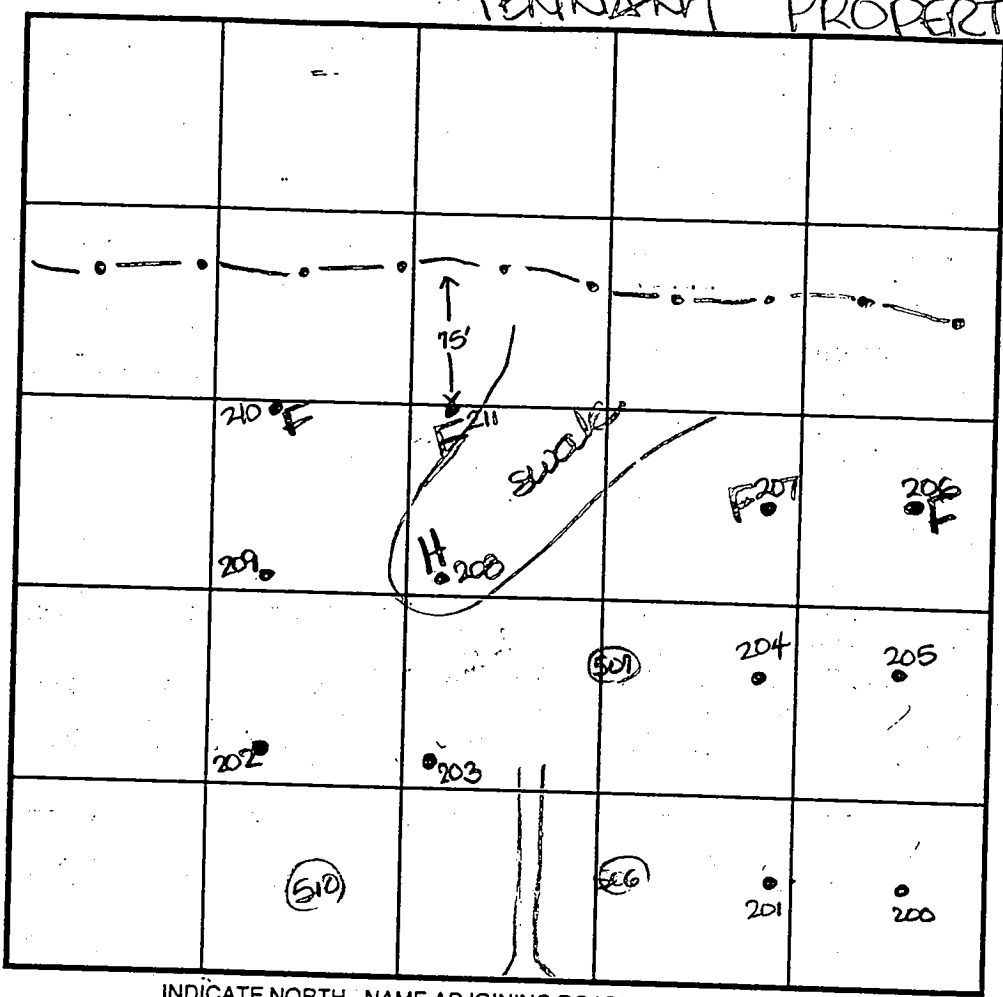
COUNTY # _____

SOIL PROFILE

0'
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	

Soil Attached

REMARKS • = staked test hole ○ = test hole 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 _____

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 TENNANT

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION TENNANT PROPERTY LOT NO. _____

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 314/315

0' topsoil

1' org brn cl lm w/mica

2.5' pale ag brn si lm w/mica

11' 35% sapr sh

317

0' topsoil

1' org brn cl lm

2.5' pale tan si lm w/mica

11.5' 35% + sapr sh

316

0' topsoil

1' org brn cl lm

3' pale ag beige si lm

12.5' 10% sapr sh

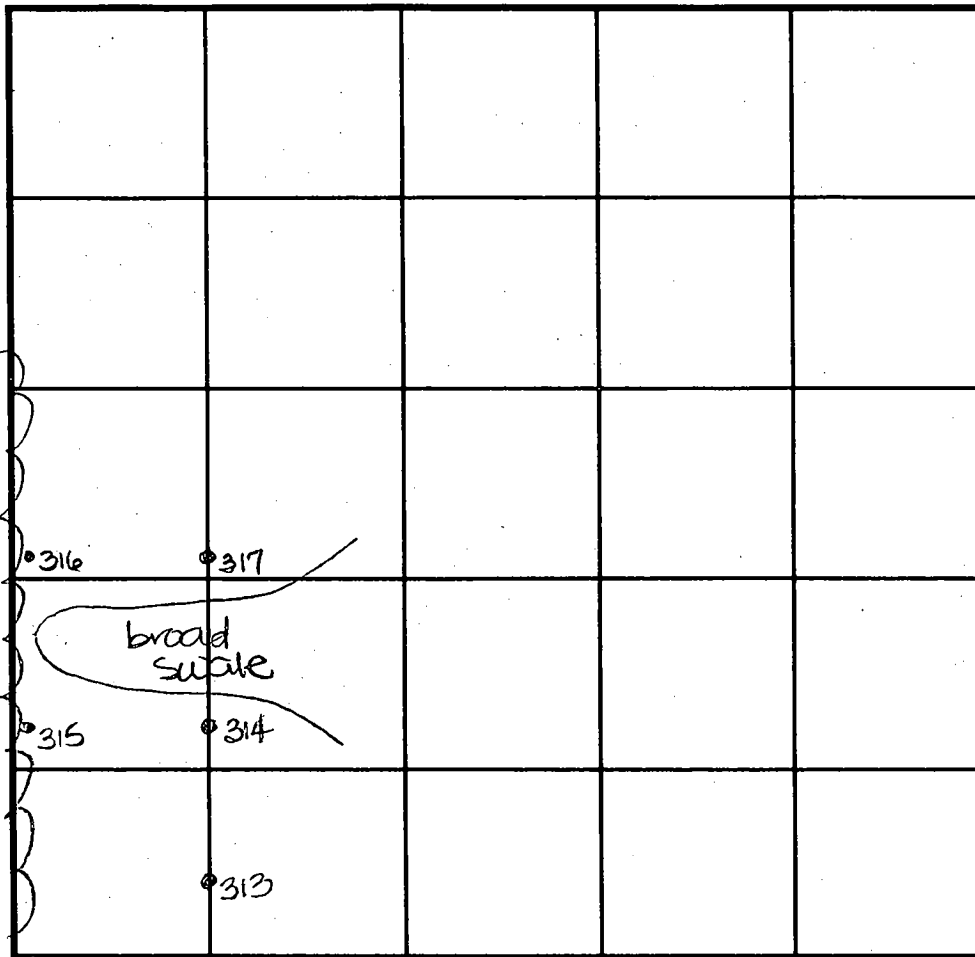
SOIL PROFILE 313

0' topsoil

1' org brn cl lm

2.5' tan si lm w/mica

11.5' 20% sapr sh



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	314	2.5'S	10:20	10:21	10:21	10:22 ₃	2
		11.0'D	Visual	- See	profile		OK
	315	2.5'S	10:25	10:26	10:26	10:27 ₃	2
		11.0'D	Visual	- See	profile		OK
	317	2.5'S	10:32	10:33	10:33	10:34 ₃	2
		11.5'D	Visual	- see	profile		OK
	316	12.5'D	Visual	- See	profile		OK
	313	11.5'D	Visual	- see	profile		OK

REMARKS _____

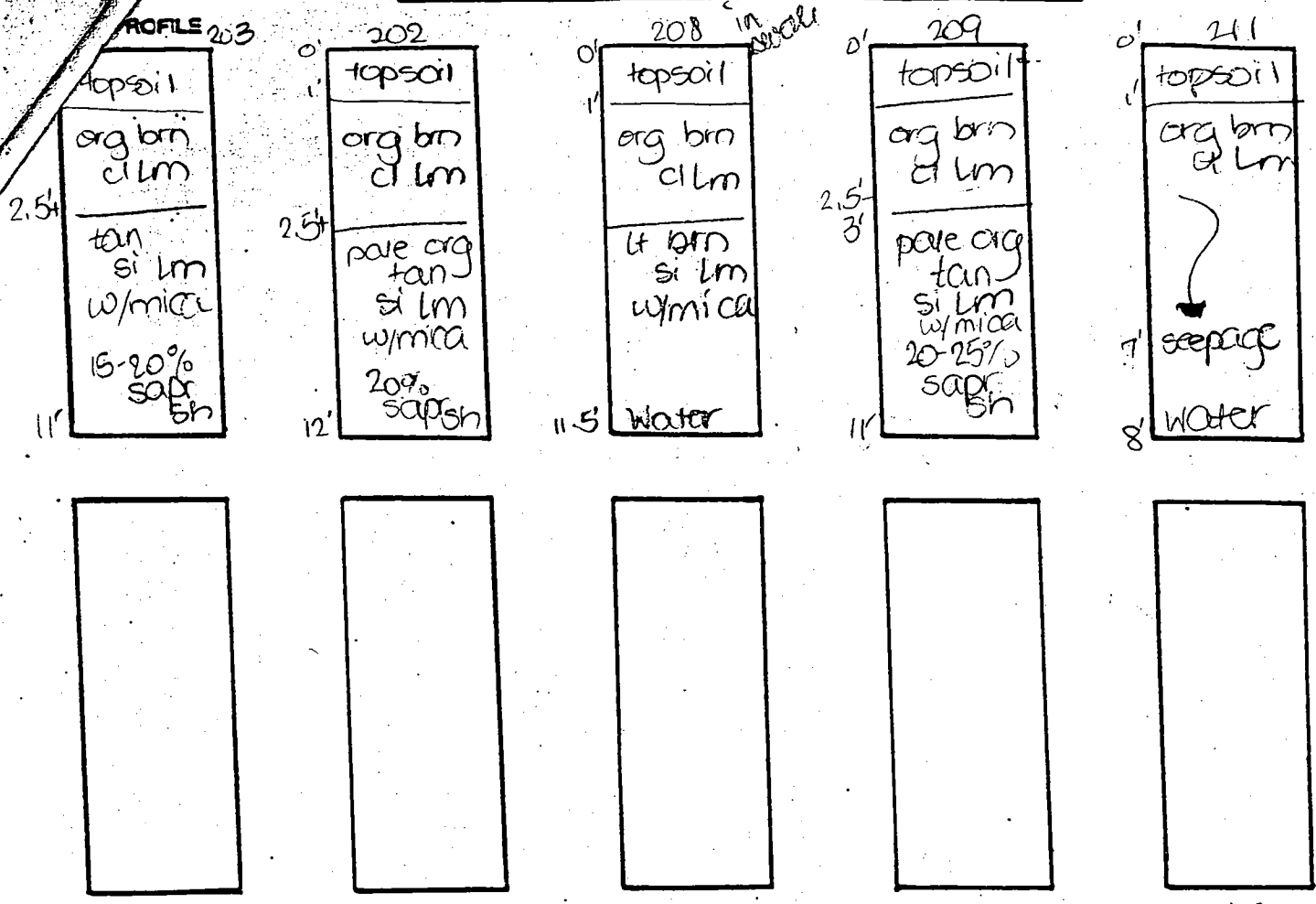
TYPE OF SOIL _____

TESTED BY D. Jee ALSO PRESENT C. Lepp

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

SUBDIVISION TENNANT



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-1-99	203	3.0' S	11:16	11:20	11:20	11:25	5
		11.0' D	Visual	- see	profile		OK
	202	3.0' S	11:17	11:20	11:20	11:25	5
		12.0' D	Visual	- see	profile		OK
	208	3.0' S	11:29 ₃	11:34	11:34	11:42	8
		11.5' D	Water	- see	profile		HOLD for wet season
	209	3.0' S	11:33	11:37	11:37	11:43	6
		11.0' D	Visual	- see	profile		OK
	210	5.0' D	Refused				FAIL
	211	8.0' D	Water	- see	profile		FAIL

TESTED BY D. See ALSO PRESENT C. ZIPP

COUNTY #

SOIL PROFILE
401

topsoil

org brn
cl lm

lt org
tan
salm
w/mica

35-40%
sapr sh

400

topsoil

org brn
cl lm

tan
salm
w/mica

40% +
sapr sh

403

topsoil

org brn
cl lm

med
org brn
salm

seepage

water

SOIL PROFILE
402

topsoil

org brn
cl lm

lt brn
salm
w/mica

25% +
sapr sh

seepage

water

404

topsoil

org brn
cl lm

med brn
salm
w/mica

seepage

water

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4-24-00	401	2'8" S	10:18	10:19	10:19	10:21	3'
		11.5' D	Visual	- see	profile		OK
	400	11.5' D	Visual	- see	profile		OK
	403	10.0' D	Water	seepage	- see	profile	FAIL
	402	9.0' D	Water	seepage	- see	profile	FAIL
	404	4.0' S	10:52	10:53	10:53	10:54	1
		9.0' D	Water	seepage	- see	profile	FAIL

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

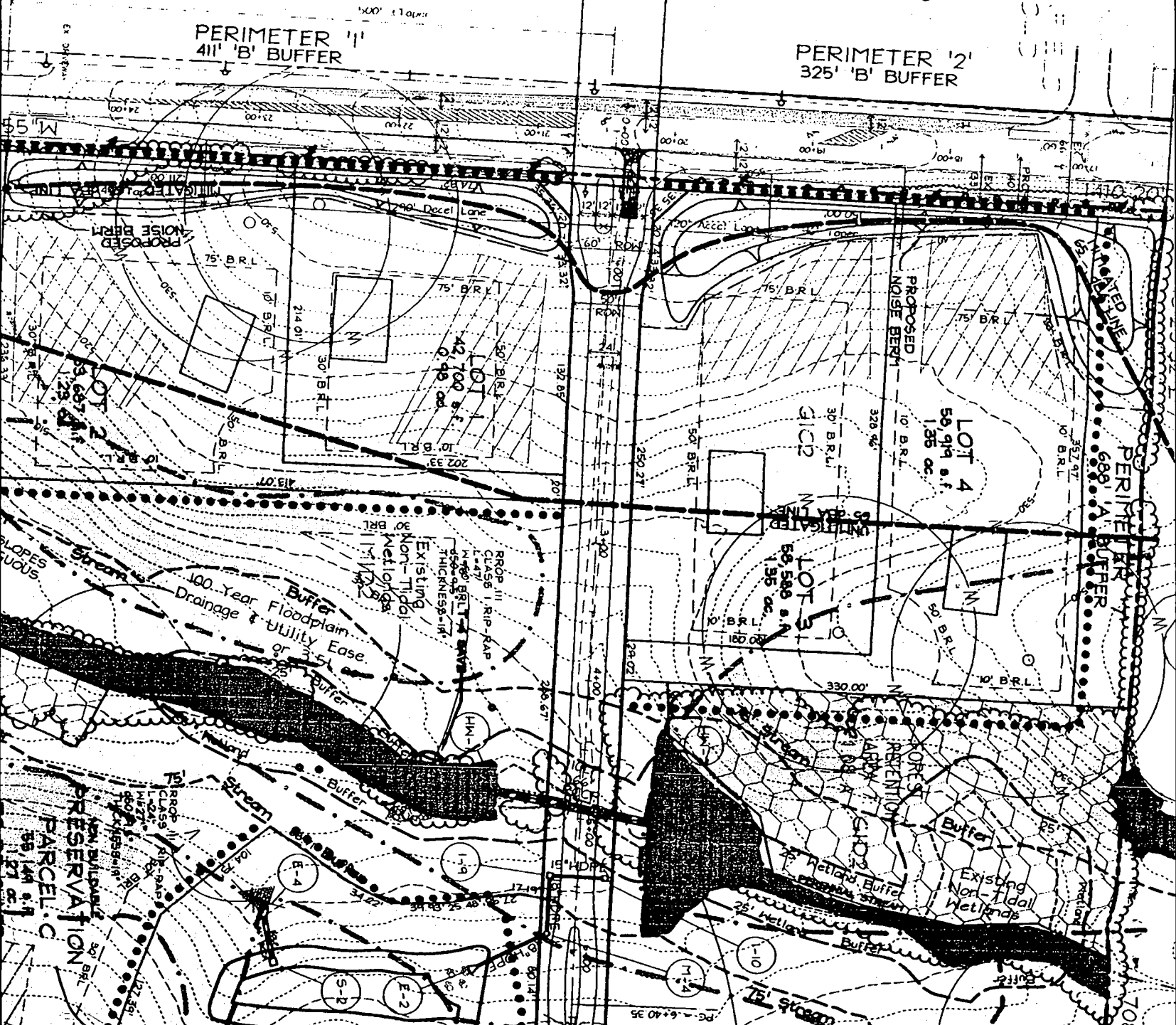
SQ. FT./BEDROOM

VEHICULAR INGRESS & EGRESS
IS RESTRICTED

VEHICULAR INGRESS
IS RESTRICTED
& EGRESS

PERIMETER '1'
411' 'B' BUFFER

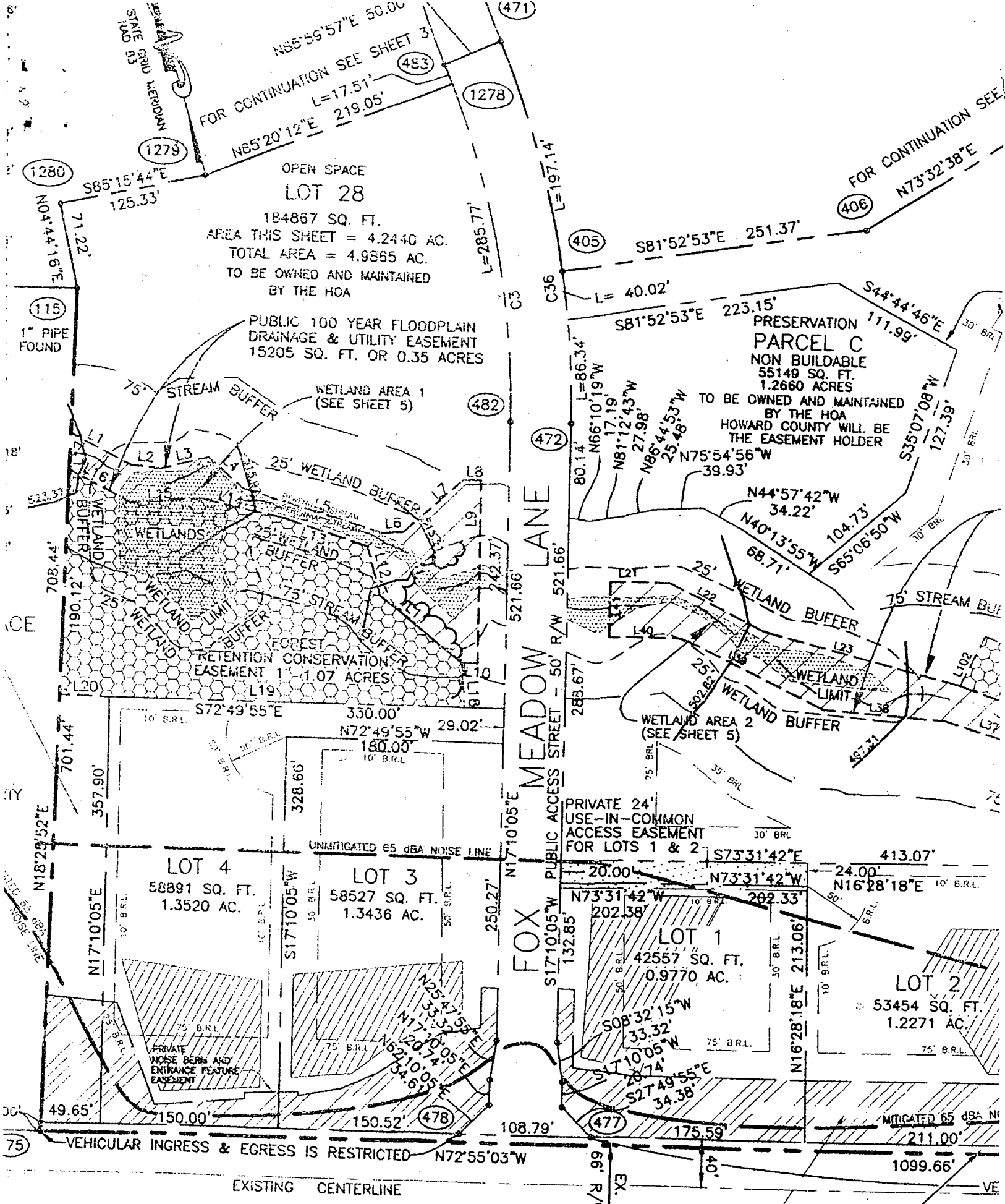
PERIMETER '2'
325' 'B' BUFFER



RESERVATION
PARCEL C

PERIMETER 'A' BUFFER
689' 'A' BUFFER

708



F-01-163

PRIVATE NOISE BERM AND ENTRANCE FEATURE EASEMENT - SEE SHEET 5 OF 5 FOR BEARINGS & DISTANCES

LAND DEDICATION FOR THE PURCHASE AREA = 8635

