



Howard County Health Department

~~NOT PAID AS OF 1/24/06~~

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 1/24/06 TEST TIME _____

AP 523976

AGENCY REVIEW: In support of building permit

DATE 1/27/06

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH _____ PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Aiken LOITANS

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT _____

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS _____
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 35 GRID 19 PARCEL(S) 305 PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

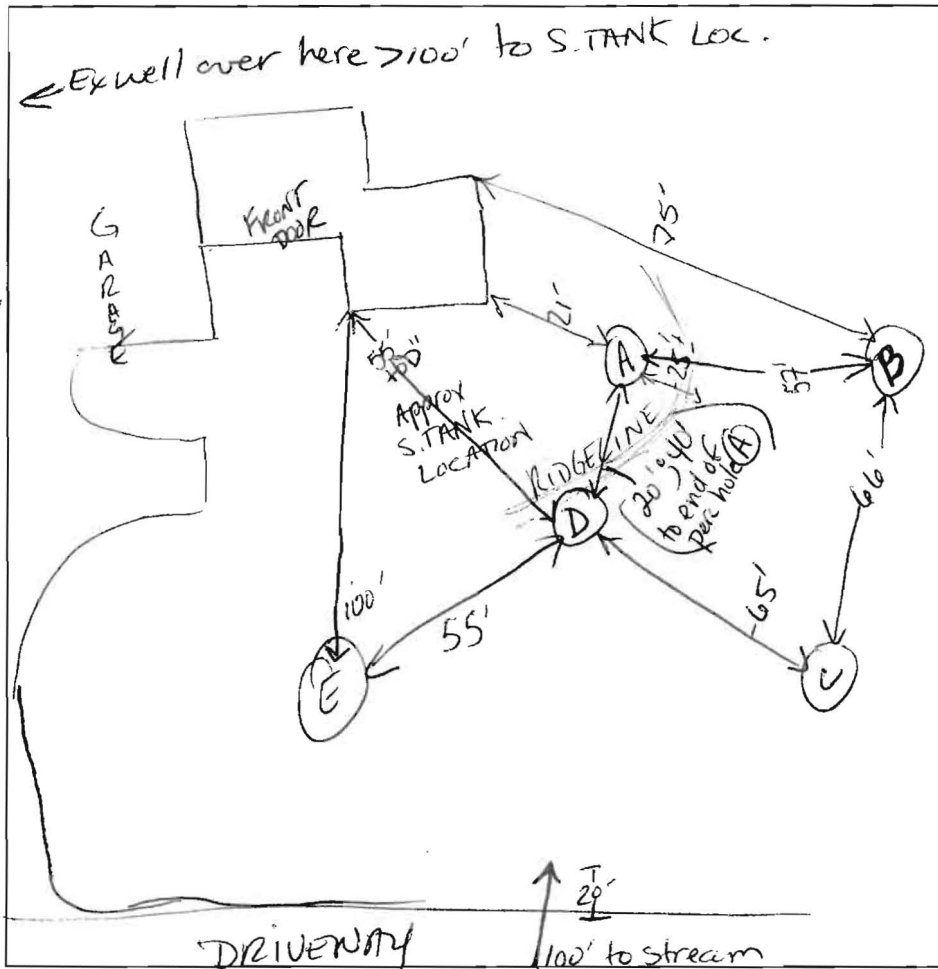
TEST RESULTS WILL BE MAILED TO APPLICANT. _____
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP
(A)
 BRN
 Slamm
 WK Sbk
 18"
 brn slys
 platy &
 sg. w/c.
 Structure
 5'
 hard smp
 begins
 35%+
 Hand Bottom

(B)
 gravel &
 MONOCOT
 ROOT MAT
 6"
 w.c. sg.
 SL
 brown
 7-8'
 Med grain
 SAND w/
 pockets LS
 12'
 V. weak
 Saprolite
 med. lg gr.
 SAND
 13' MOIST
 14' SAND ASILT

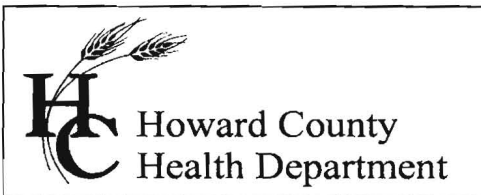
(C)
 like
 Hole "B"
 but more
 loam
 Moist
 soils @
 12



(D)
 Rock flag
 in SL
 3'
 brn sg.
 L Sand/
 Slamm
 pockets
 WK platy
 Struct.
 Rock 10%
 less
 12'
 Bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H	
1/21/00	(A)	7' 5gallons	10:20	5gallons gone in 30 sec or less			Fail	
		AREA OF existing drywell according to septic inspection notes in past						
	(B)	4 1/2' Tx	10:39 ⁰⁰	10:40	10:43 ⁴⁰	3+	P	
	(C)	5'	10:54	10:58	11:05	8	P	
	(D)	5'	11:17 ⁴⁵	11:19 ²⁷	11:22 ⁴⁵	3+	P	
	(E)	Visual	- tightly packed L SAND					
			OK for shallow system Approx 140' from stream.					
			SEE PICS					

REMARKS Shallow system only
 SANITARIAN Kacie Norman BACKHOE Funk OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

January 25, 2006

Dr. Allen Lohaus
6396 Guilford Road
Clarksville, MD 21029

Re: Percolation Testing Results
6396 Guilford Road
Tax Map: 35 Parcel: 305

Dear Dr. Lohaus,


Percolation testing was conducted on January 24, 2006 in support of your applied building permit for an art studio (permit # 00156957). High percentages of hard saprolite and water table at 12 feet were identified, however, sand loams were also identified.

During the excavation, the dry well as not located. In order to prevent any further unnecessary digging in your front yard on top of the knoll, the contractor has agreed to contact us upon uncovering the septic tank and sanitary line which leads out to the dry well. It will be determined at that time if the dry well needs to be replaced with acceptable trenches in the approved septic disposal area identified on January 24.

In order to continue with the process, a scaled plan will need to be submitted to our office with the following criteria met:

- Percolation test holes labeled per sanitarian notes (enclosed)
- Two-foot contour lines and identify any slopes greater than 25% if present
- Show the location of the stream, driveway, existing well, electric easements, and property lines
- Show location of proposed art studio location

If you have any questions, do not hesitate to contact me at 410-313-1775. Thank you for your time in this important matter.

Sincerely,

Kacie Noonan, R. S.
Well & Septic Program

KN
Cc: file

KenRock Contracting Inc.

8869 Cemetery Lane

Savage, MD 20763

498-8941

Phone (301) 233-0097

Fax (301)

January 28, 2006

**Kacie Noonan, R.S.
Howard County Healthy Department
7178 Columbia Gateway Drive
Columbia, MD 21046**

Dear Ms. Noonan,

Attached is the site plan you requested for the Lohaus Property, (Permit #00156957) with the data you recorded on January 24, 2006.

I hope all the criteria is met so we can move forward with the permit process. If you have any questions, please do not hesitate to contact me at 301-233-0097. Thank you for your cooperation in this matter.

Sincerely,

**Ken Williams
President
KenRock Contracting Inc.**

cc: Dr. Allen Lohaus

KenRock Contracting Inc.

**8869 Cemetery Lane
Savage, MD 20763**

**Phone (301) 233-0097
Fax (301) 498-8941**

February 14, 2006

**Michael Davis
Howard County Healthy Department
7178 Columbia Gateway Drive
Columbia, MD 21046**

Dear Mr. Davis,

Attached is a revised site plan you requested for the Lohaus Property, (Permit #00156957) .

I hope all the criteria is met so we can move forward with the permit process. If you have any questions, please do not hesitate to contact me at 301-233-0097. Thank you for your cooperation in this matter.

Sincerely,

**Ken Williams
President
KenRock Contracting Inc.**

cc: Dr. Allen Lohaus

- ① Need SDA
- ② Need to show the ex. system on the prop. cert.
- ③ Need a septic tank for the art studio
(1000 gals more than adequate)
- ④ Need elevation of ex. system and prop. tank to determine if a pump will be required. Note, tank must be 100ft from the well.

Confused

Enty top 400-420 in area of development. Note on 1/30/05 plan for

✓ ① 150ft

✓ ② Notes correct

✓ ③ Location of ex. system

>----- Original Message -----

>From: "Kacie Noonan" <knoonan@mail.co.ho.md.us>

>Reply-To: <knoonan@mail.co.ho.md.us>

>Date: Tue, 17 Jan 2006 15:55:44 -0500

>

>Dear Dr. Lohaus,

>

>Since cleanouts were not exposed above grade, an inspection of your system will be done on 1/23/06 during the percolation testing. At this time, your contractor will uncover the septic tank and dry well. If the effluent level is below 4 1/2 feet, the surrounding soils must be taking in the effluent. If the effluent level is above the inlet of the dry well, then the septic system will need to be repaired in newly established area. By the end of the inspection on 1/23/06, the existing system will be evaluated and future repair area identified.

>

>Hope this clears up any questions. Contact me if you have any other questions.

>Sincerely,

>Kacie Noonan

>R.S.

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>Cc: Robert Weber/ Director of Environmental Health

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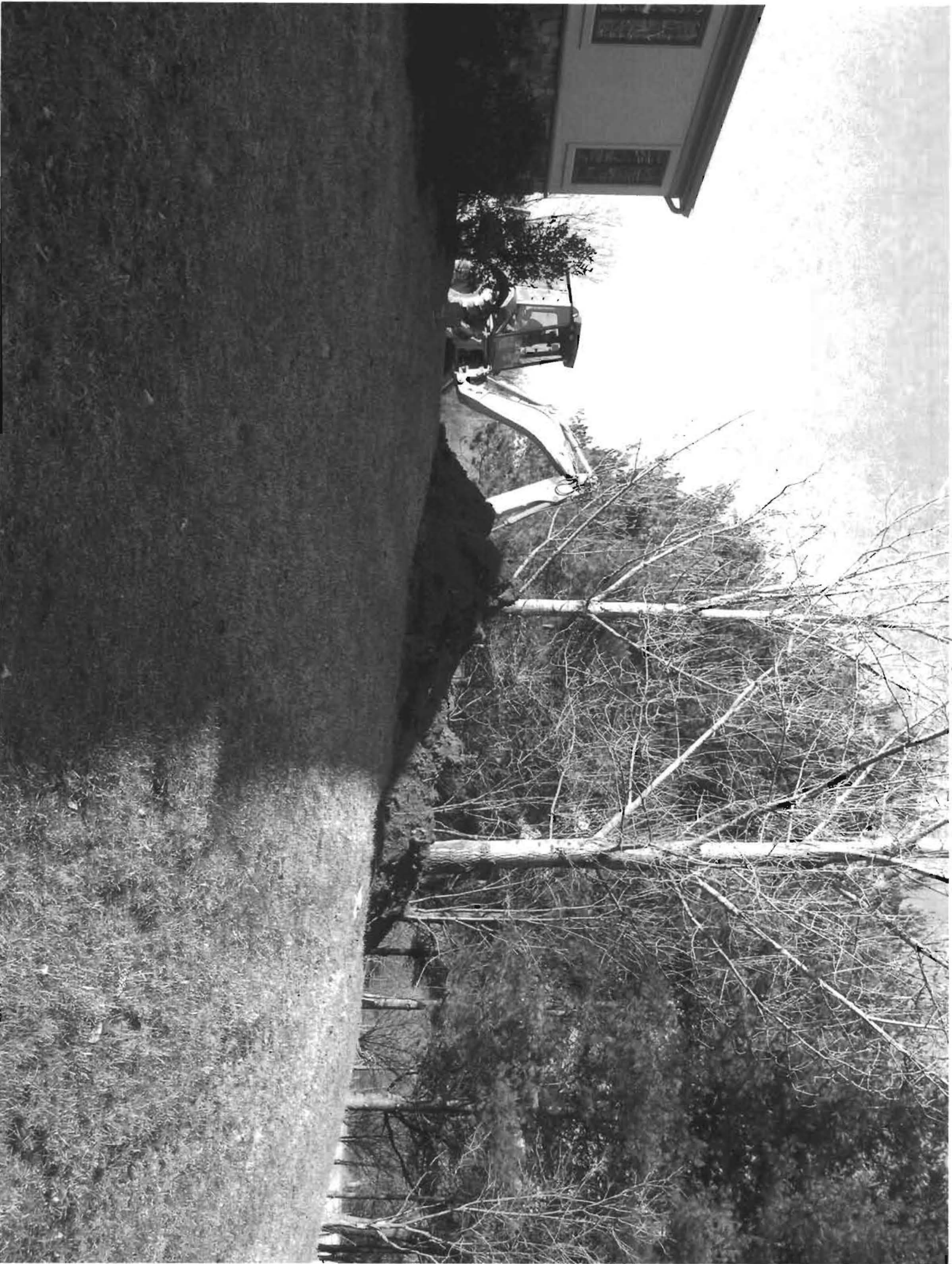
HOLE 3

1/10/10

HOLE
12



EXCAVATION FOR DRY WELL





HOLE "E"



TO
HIDE
E 55' from
"D" and 100'
off house
corner

HOLE
A

HOLE
B

HOLE
B

HOLE
C

HOLE PROXIMITIES



HOLE D APPROX 40' NE OF HOLE A



HOLE A
A THIS
WAY →



HOLE 'C'

MOIST SOILS @ 121

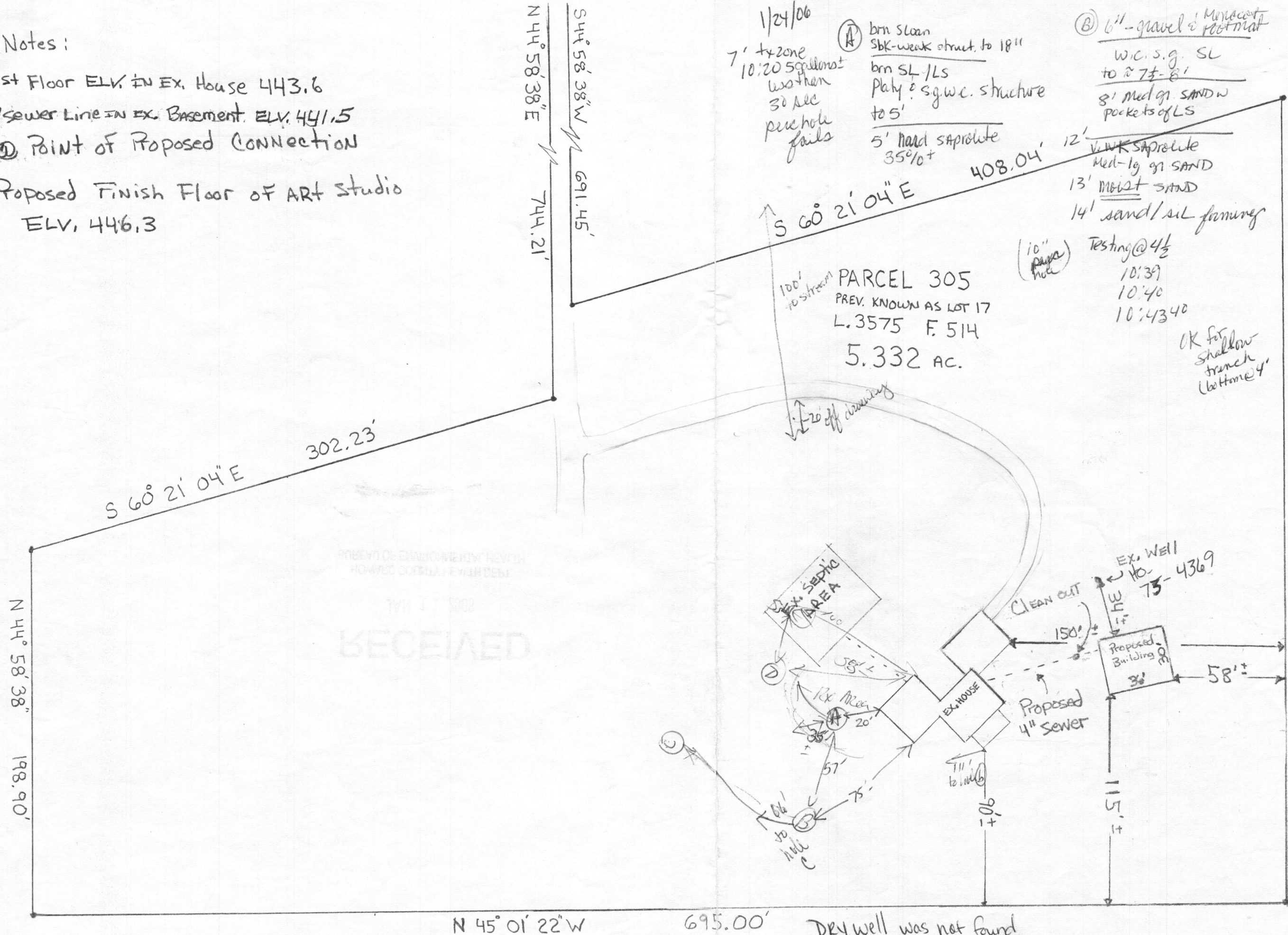


DRAINAGE
BEGINS
near the
stairs
feature
engine hole
vs floor C

pole
C

Notes:

- 1st Floor ELV. in Ex. House 443.6
- 4" Sewer Line in Ex. Basement ELV. 441.5
- ① Point of Proposed Connection
- Proposed Finish Floor of ART Studio ELV. 446.3



1/24/06
 7' tx zone
 10:20 50' fill on top
 weather
 30 sec
 pie hole
 fails

① brn slean
 SBK-weak struct. to 18"
 brn SL /LS
 Platy & sg.w.c. structure
 to 5'
 5' hard saprolite
 35%+

② 6" gravel & ^{Murocot} footmat
 w.c. s.g. SL
 to ≈ 7 1/2 - 8'
 8' med gr. SAND w
 pockets of LS

③ like hole ②
 but more loam
 Moist soils
 @ 12'
 perc @ 5'

12' V.W.K. saprolite
 med-lg gr. SAND
 13' moist SAND
 14' sand/sil framing

10:54
 10:58
 11:05
 8 min Pass
 5' pie hole
 ④ 11:17 45
 12' 11:19 27
 Bottom 11:22 45
 3 min

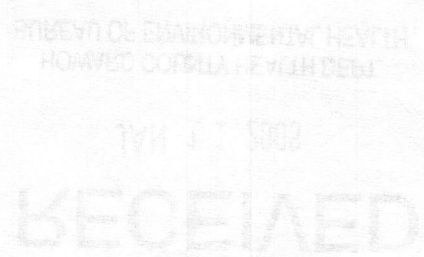
(10" pipe hole)
 Testing @ 4 1/2
 10:39
 10:40
 10:43 40

OK for shallow trench (bottom @ 4')

⑤ to ① 70'
 C to D ≈ 65'
 C to A ≈ 40'
 ⑥ to D 55'

DRY well was not found
 Failed area from Hole ① to edge of hole ②

SCALE 1" = 50'



Notes:

1st Floor ELV. IN EX. House 443.6

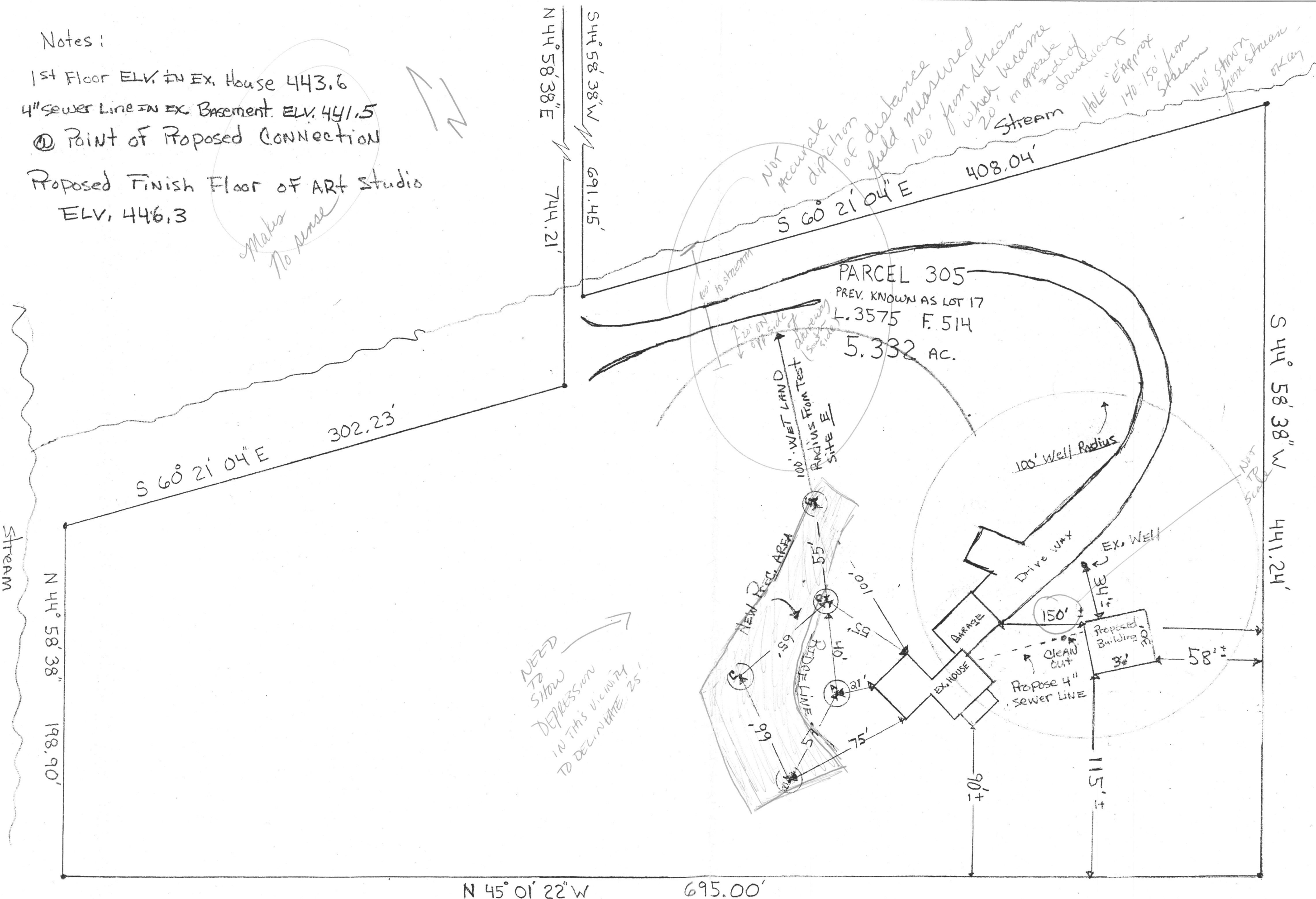
4" SEWER LINE IN EX. Basement. ELV. 441.5

① Point of Proposed Connection

Proposed Finish Floor of ART Studio

ELV. 446.3

Makes No sense



Not accurate depiction of distance field measured 100' from stream what became 20' in opposite side of driveway

100' to stream

PARCEL 305
PREV. KNOWN AS LOT 17
L. 3575 F. 514
5.332 AC.

100' Well Radius

NEED TO SHOW DEPRESSION IN THIS VICINITY TO DELINEATE

SCALE 1" = 50'