

3-2-00
12:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-327655

P 513243

A 564 ~~2021~~ 30-B

DISTRICT _____

DATE 1/27/00

DATE SYSTEM APPROVED 3/2/00

INSPECTOR BB

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXX~~ 410-313-2640

INDEXED

~~Lehsac Plumbing & Heating~~ Hatfield IS PERMITTED TO INSTALL ALTER

ADDRESS 202 Azar Court, Baltimore, MD 21227 PHONE 410-242-6888

SUBDIVISION Gaither Hunt II LOT 52 ROAD 12020 Open Run Court

PROPERTY OWNER Ryan Homes

BUILDING PERMIT SIGNED

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS 6403 B00142255-DECK
4197K B00153378-FL POOL

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.5 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Begin trenches 170 feet up the right (313.75') lot line and 40 feet off this same lot line as seen when facing the lot from Open Run Road; Run trenches on contour toward the right rear lot corner.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OL 7/29/99 DKS

PLANS APPROVED BY Amy McMillen B00120138 DATE 7-12-1999

COVER NO WORK UNTIL INSPECTED AND APPROVED 8/26/99 DECR

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS. 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

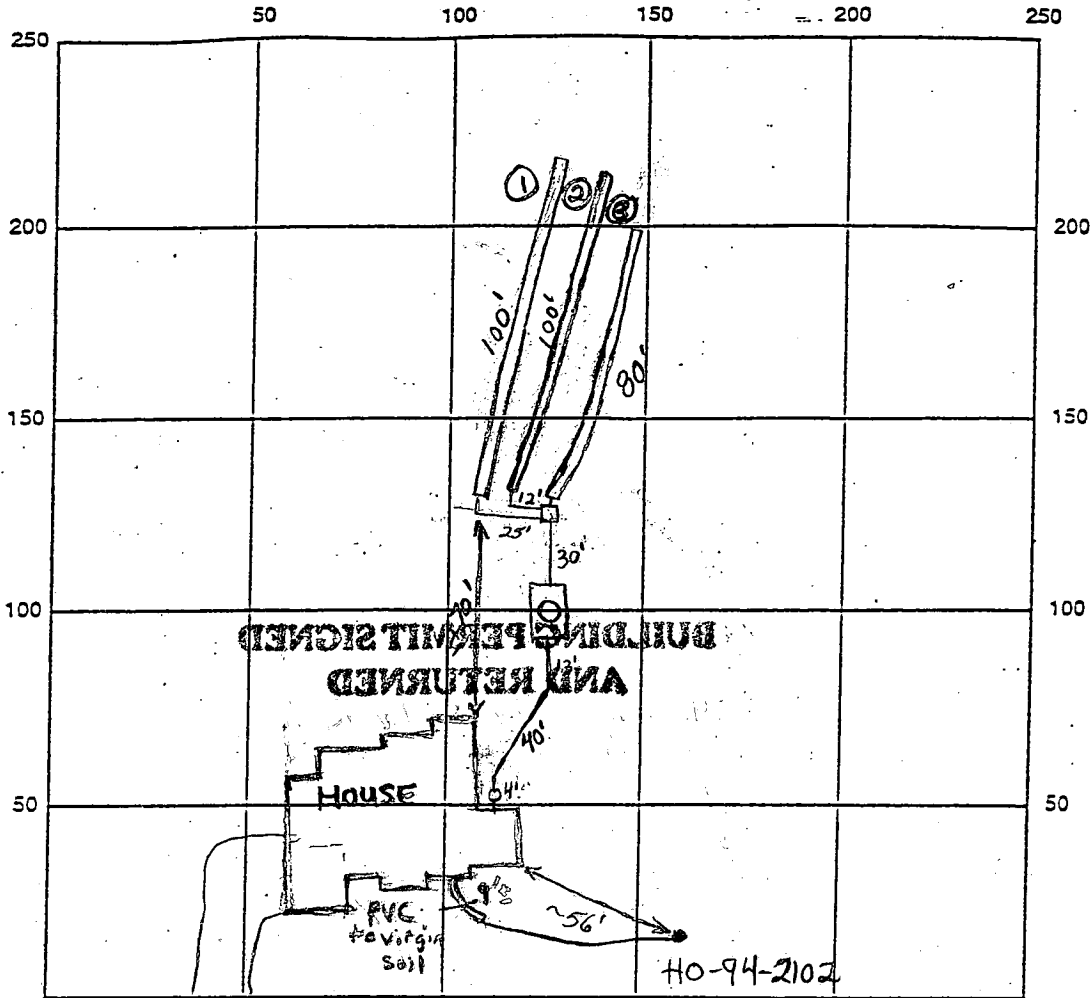
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED. deck

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

564228
56430 B

NOT TO SCALE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

OPEN RUN ROAD

SEPTIC TANK LEVEL 1500 gallon mid-sized CLEANOUTS 1-4" house, Manhole Tank Cleanout

DISTRIBUTION BOX LEVEL O.K.

TILE
DRAIN FIELD/TILE DEPTH 5.5 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 280 FT. 100' 100' 80'

NUMBER OF TRENCHES 3 ~~one side~~ BOTTOM AREA 840 SQ. FT.

DRYWELL
DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 3/2/00 House connection made. System looks alright. O.K. to cover everything BB

DATE SYSTEM APPROVED 3/2/00

INSPECTOR B. Baker

HOWARD COUNTY HEALTH DEPARTMENT
 Bureau of Environmental Health
 3525-W Ellicott Mills Drive
 - Ellicott City, MD 21043
 461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
 Name of Installer LENSAC CORP
 License Number 3344
 Certified Well Pump Installer _____ Well Driller _____ Registered Plumber
 Name of Property Owner _____ Telephone 410-684-0500
 Subdivision Gaithersburg Well Tag # HO-11-210
 Site Address 12020 Open Run Court

Pump

1. Type	Motor	Pitless Adapter
a. Deep well jet _____	1. Horsepower <u>1</u>	1. Make _____
b. Shallow well jet _____	2. RPM _____	2. Model _____
c. Submersible <input checked="" type="checkbox"/>	3. Voltage _____	3. Depth _____
2. Make <u>SAUER</u>	a. 110 _____	
3. Model # <u>T1343-21A-52</u>	b. 220 <input checked="" type="checkbox"/>	
4. Capacity <u>5</u> GPM		
5. Pump exceeds well capacity Yes <input checked="" type="checkbox"/> No _____		
6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____		
7. What methods are used to protect the pump and electrical vibrations? Torque arrestors <input checked="" type="checkbox"/> Cable guards <input checked="" type="checkbox"/> Other _____		

Tank

1. Capacity <u>86 GAL</u>	Piping	Well data
2. Pressure relief valve? <u>YES</u>	1. Type <u>16010</u>	1. Depth <u>450</u> ft.
	2. Size <u>1"</u>	2. Yield <u>1</u> GPM
	3. NSF and/or BOCA Code approved <input checked="" type="checkbox"/>	3. Static water level <u>52</u> ft.
	4. Depth of supply line <u>42"</u>	4. Will water supply be disinfected by installer? <u>YES</u>

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

3/9/00-WPJ or SRN signature of Applicant: [Signature]
 Date: 3/24/00

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HO-218

Approved Septic System Plan

Howard County Health Department

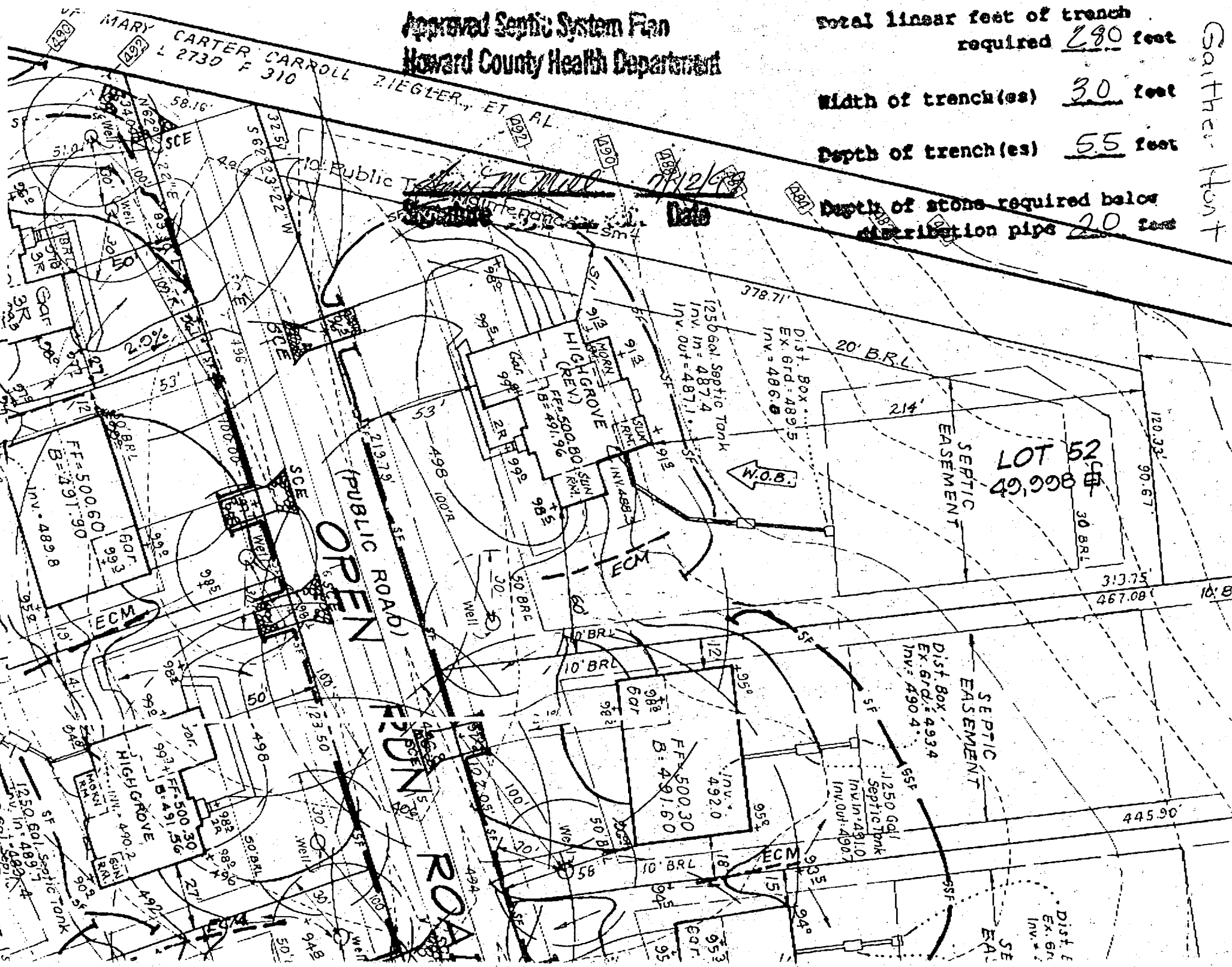
Total linear feet of trench required 290 feet

Width of trench(es) 30 feet

Depth of trench(es) 55 feet

Depth of stone required below distribution pipes 20 feet

Gaithe: Hunt



APPLICATION

PERCOLATION TESTING

A 56429

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 3/27/96

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 SCRIVNER

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 21 52

ROAD AND DESCRIPTION _____

TAX MAP 29 PARCEL # 21

SIZE OF LOT 1+ACRES TYPE BLDG. B00119222
SIGNED 7/12/99
(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 _____

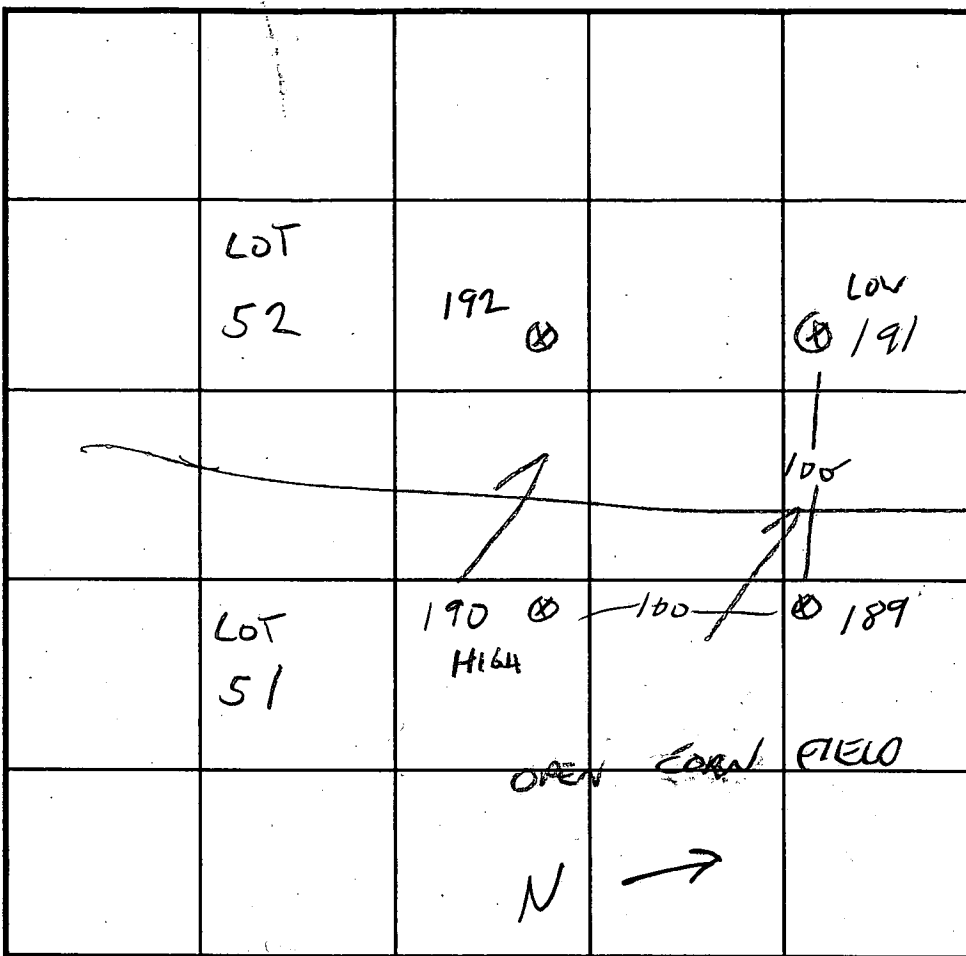
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

56429
COUNTY #

SOIL PROFILE

0'



SOIL PROFILE

0'

TOPSOIL

BROWN CLAY

TAN SSL

191
192
11'
5'
11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/27/96	191	5'	2:52	2:58	2:58	3:08	10 min
	192	4 9"	3:00	3:02	3:02	3:06	4 min
	189	4'					14 min
	190	ROCK @ 11" VISUAL	SEE	LOT 70			

REMARKS CONTINUATION OF PERC, LOT 71 - ANY HAS HOLES 189, 190

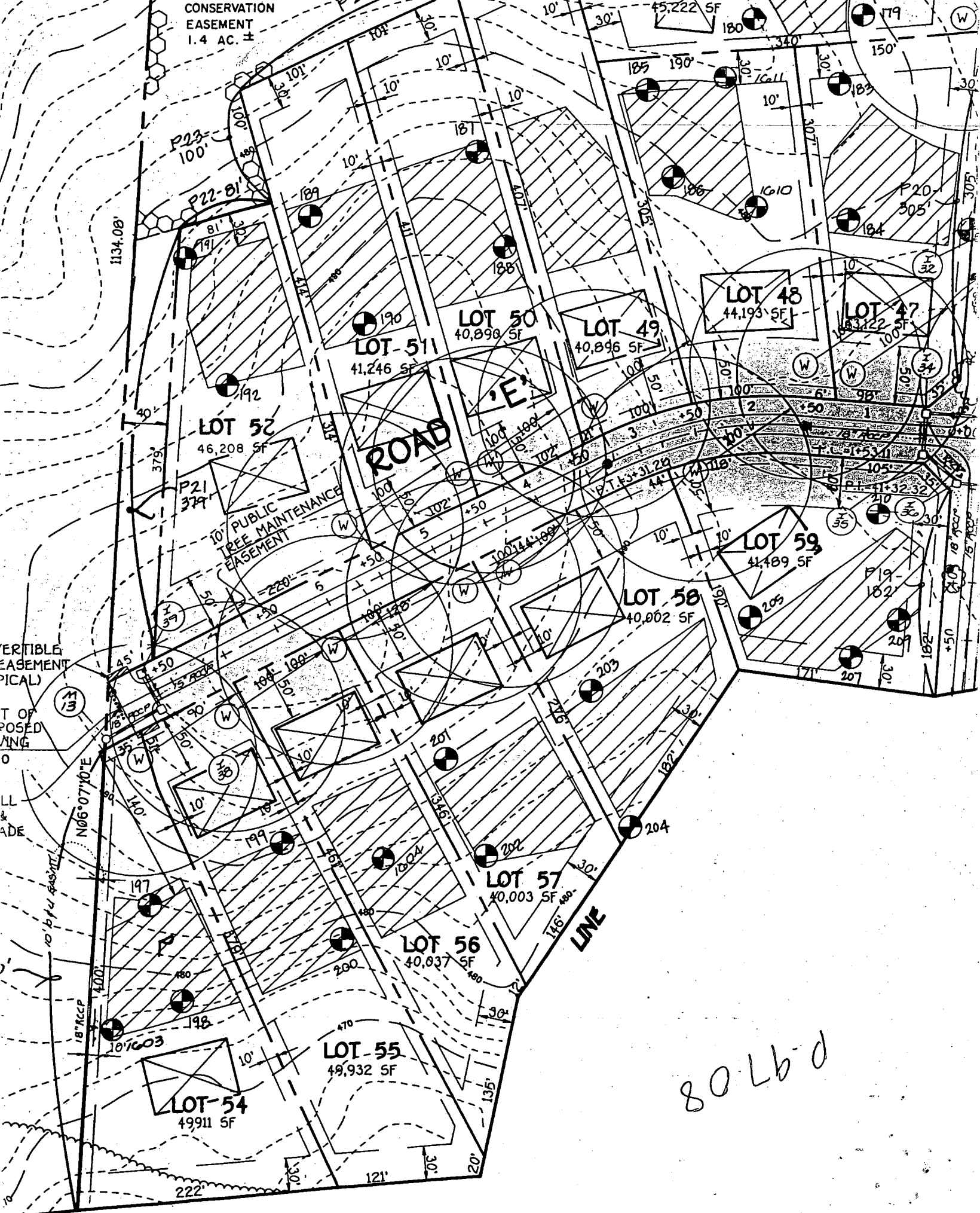
TYPE OF SOIL _____

TESTED BY G. SAUAGE ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

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

CONSERVATION
EASEMENT
1.4 AC. ±

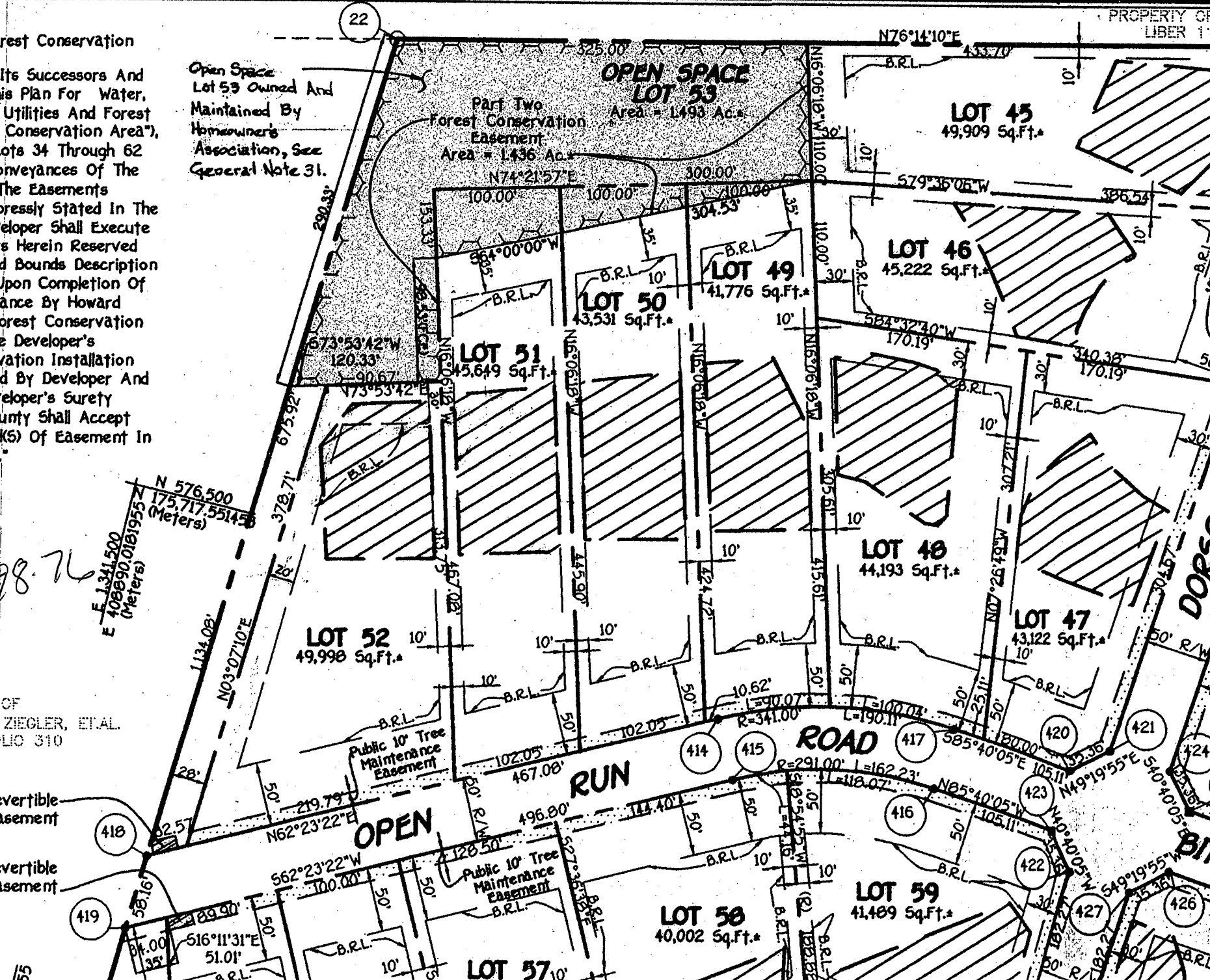


80 Lb-d

Public Utility And Forest Conservation
 reserves Unto Itself, Its Successors And
 heirs Shown On This Plan For Water,
 Sewerage, Other Public Utilities And Forest
 Land Designated As "Forest Conservation Area",
 Parcel 'A'. Any Conveyances Of The
 same Shall Be Subject To The Easements
 Whether Or Not Expressly Stated In The
 Said Lot(s). Developer Shall Execute
 For The Easements Herein Reserved
 With A Metes And Bounds Description
 Of The Forest Conservation Area. Upon Completion Of
 The Same And Their Acceptance By Howard
 County The Case Of The Forest Conservation
 Easement Completion Of The Developer's
 The Forest Conservation Installation
 Agreement Executed By Developer And
 The Release Of Developer's Surety
 Agreement, The County Shall Accept
 And Record The Deed(s) Of Easement In
 The Office Of Howard County."

Open Space
 Lot 53 Owned And
 Maintained By
 Homeowners
 Association, See
 General Note 31.

PROPERTY OF
 LIBER 11



Handwritten: 98.76

N 576.500
 E 1,341.500
 E 1,088.900
 (Meters)

PROPERTY OF
 CARTER CARROLL ZIEGLER, ET AL.
 LIBER 2730, FOLIO 310

5'x20' Reversible
 Slope Easement

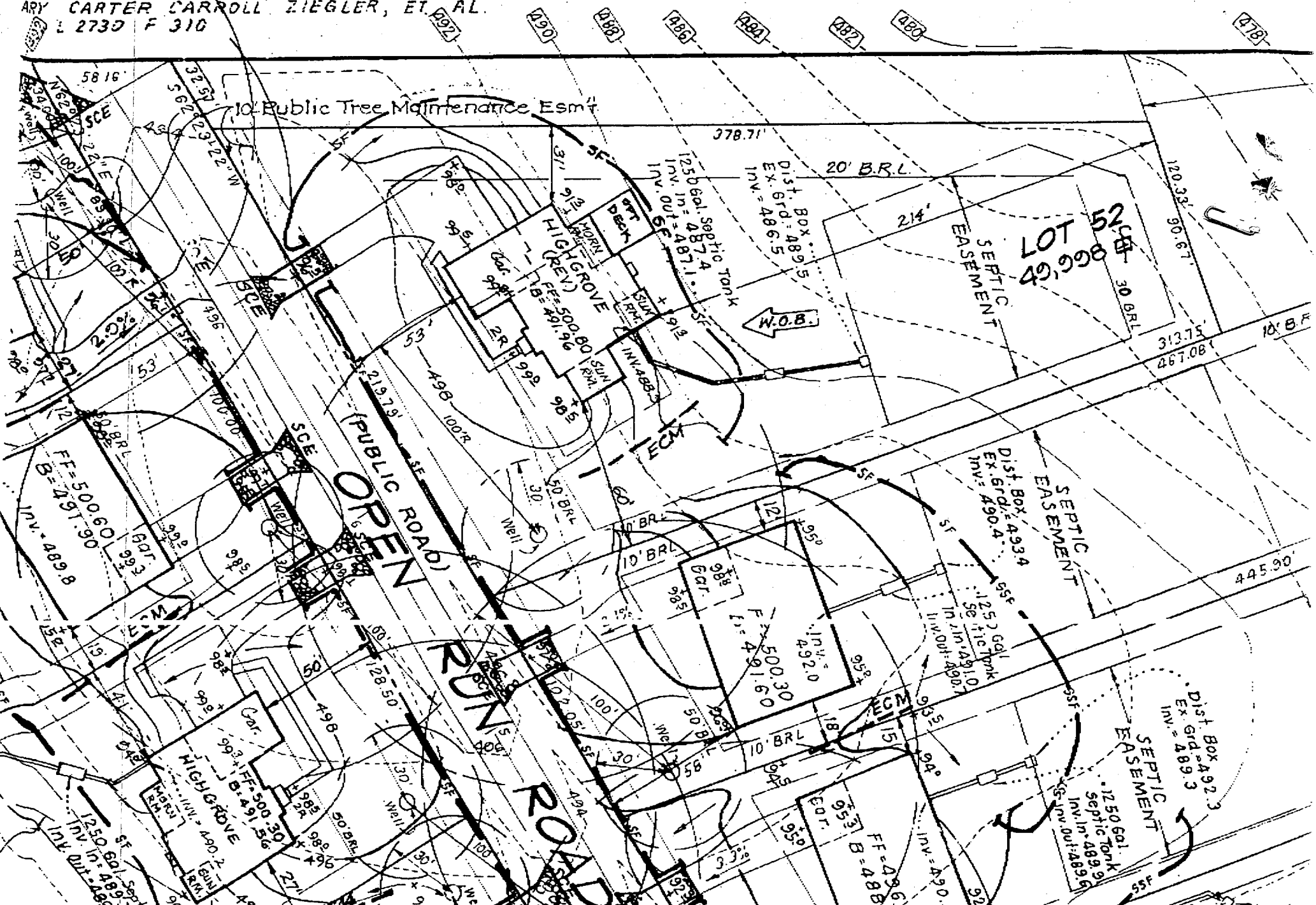
5'x20' Reversible
 Slope Easement

55

SAITZER HUNT
ATTN PAT ORLA

8/26/99
Shown deck location
will have no impact on ex
well/septic A

ARY CARTER CARROLL ZIEGLER, ET. AL.
L 2730 F 310



C1 9886

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER A56429R

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Russell Dev. LLC STREET OR RFD OPEN RUN RD TOWN OPEN RUN ROAD SUBDIVISION Gaither Hunt SECTION I LOT 52

WELL LOG

GROUTING RECORD

C3

PUMPING TEST

Not required for driven wells

WELL HAS BEEN GROUTED (Circle Appropriate Box)

HOURS PUMPED (nearest hour) 6

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

TYPE OF GROUTING MATERIAL (Circle one)

PUMPING RATE (gal. per min.) 1.15

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Brown sandstone, HARD GRAY GRANITE, 77, 90, 310.

CEMENT (CM) BENTONITE CLAY (BC)

METHOD USED TO MEASURE PUMPING RATE watch & bucket

NO. OF BAGS 15 NO. OF POUNDS 140

WATER LEVEL (distance from land surface)

GALLONS OF WATER 90

BEFORE PUMPING 52' ft.

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 58 ft.

WHEN PUMPING 142' ft.

CASING RECORD

TYPE OF PUMP USED (for test)

ST STEEL CO CONCRETE PL PLASTIC OT OTHER

A air P piston T turbine

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 06 Total depth of main casing (nearest foot) 58

C centrifugal R rotary O other (describe below)

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

J jet S submersible

SCREEN RECORD

PUMP INSTALLED

screen type or open hole: ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

DRILLER INSTALLED PUMP YES NO

NUMBER OF UNSUCCESSFUL WELLS 0

DEPTH (nearest ft.)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

WELL HYDROFRACTURED YES NO Y N

1 HO 58 450

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

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

2 23 24 26 30 32 36

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

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.

3 38 39 41 45 47 51

PUMP HORSE POWER 37 41

DRILLERS LIC. NO. M 355 DRILLERS SIGNATURE Max & Jones

E 49 50 51

PUMP COLUMN LENGTH (nearest ft.) 43 47

LIC. NO. JWB 341

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

CASING HEIGHT (circle appropriate box and enter casing height) + above - below 2 (nearest foot)

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

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

LOG INDICATOR OTHER DATA

TELESCOPE CASING LOG INDICATOR OTHER DATA

FRONT PROP LINE

RIGHT PROP LINE

35' 60'

FRONT PROP LINE

RIGHT PROP LINE

B 1 5148

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

HO-94-2102 fill in this form completely

Date Received (APA) 01-26-99

OWNER INFORMATION

Russell Development LLC, 8808 Centre Park Dr. Suite 209, Columbia MD 21045

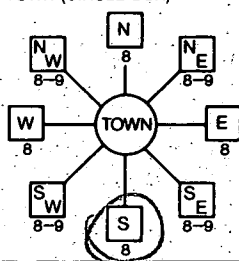
LOCATION OF WELL

Howard County, Gaither Hunt, Section 1 Lot 52, Ellicott City, 4 miles from town

DRILLER INFORMATION

MICHAEL BARLOW MW D 355, MICHAEL BARLOW Well Drilling Svc Inc, 912 Fawn Ct Joppa MD 21085, 1-22-99

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Open Run Rd, ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX), DISTANCE FROM ROAD 25 FT

WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation (circled), Farming, Industrial, Public Water Supply Well, Test, Observation, Monitoring, Geo-thermal

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co AS6429R, STATE SIGNATURE, DATE ISSUED 02/16/99, CO SIGNATURE A. McMillen, EXP. DATE 2/16/00, NORTH GRID 515 000, EAST GRID 830 000

APPROXIMATE DEPTH OF WELL 200 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH, NEAREST TOWN

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED, AIR-ROTARY AIR-PERCussion, CABLE REVERSE-ROTARY, Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- This well will not replace an existing well (circled), 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 deepen an existing well

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

APPROP. PERMIT NUMBER 54, PERMIT No. HO-94-2102

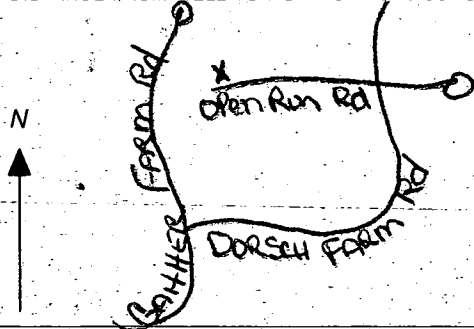
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

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

WRITE THE BOX NUMBER FROM THE MAP HERE

E 830, N 515

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 AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

SITE INSPECTION SHEET

OWNER: Warshanna Residence PHONE #: _____

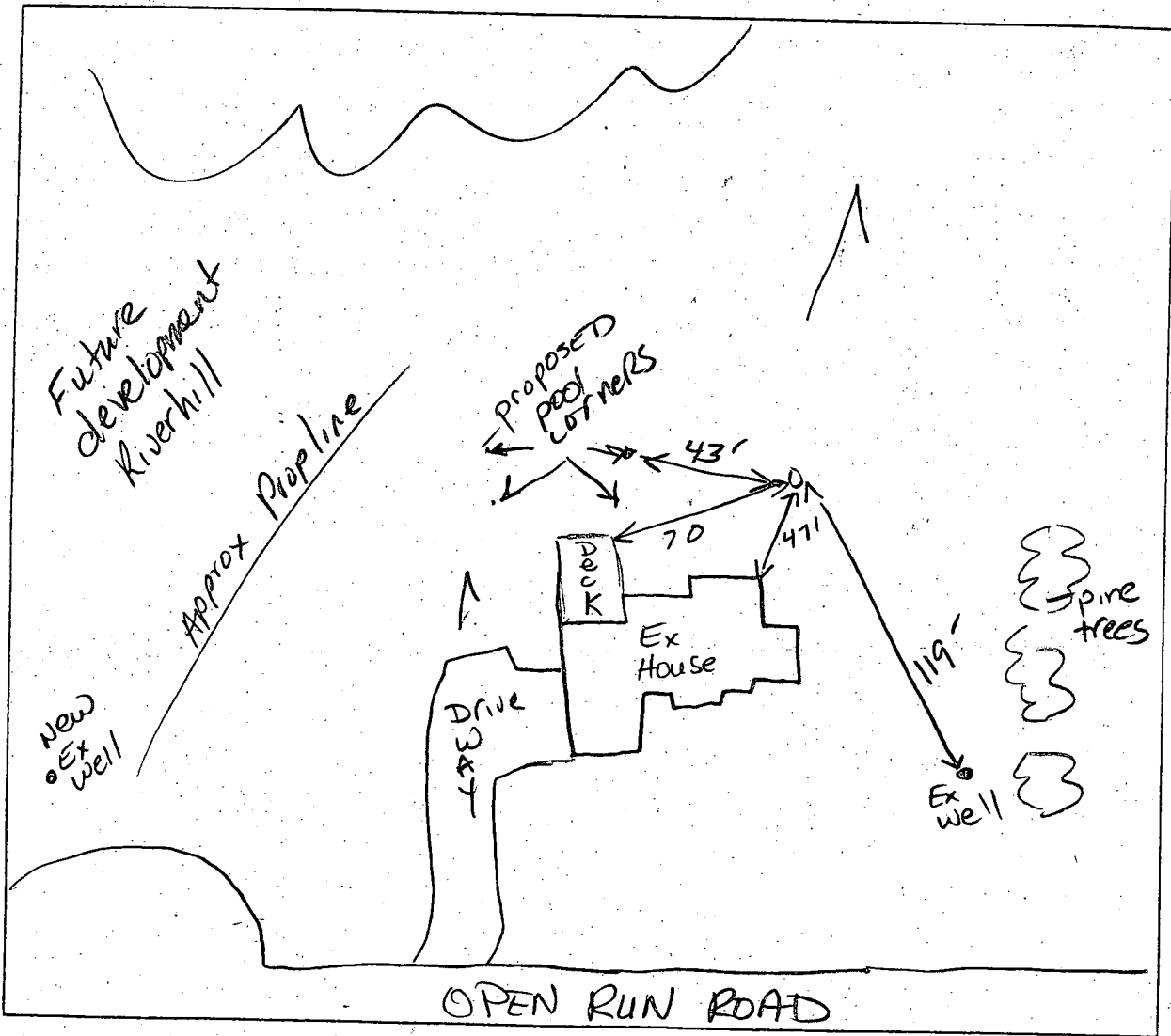
ADDRESS: 12020 Open Run Road CONTRACTOR: _____

WELL TAG #: _____

SUBDIVISION: Gaither Hunt II LOT: 52 COUNTY #: _____

PROPOSAL: Specifically triangulate septic tank location to ensure minimum 20' setback to inground pool

LOCATION DIAGRAM

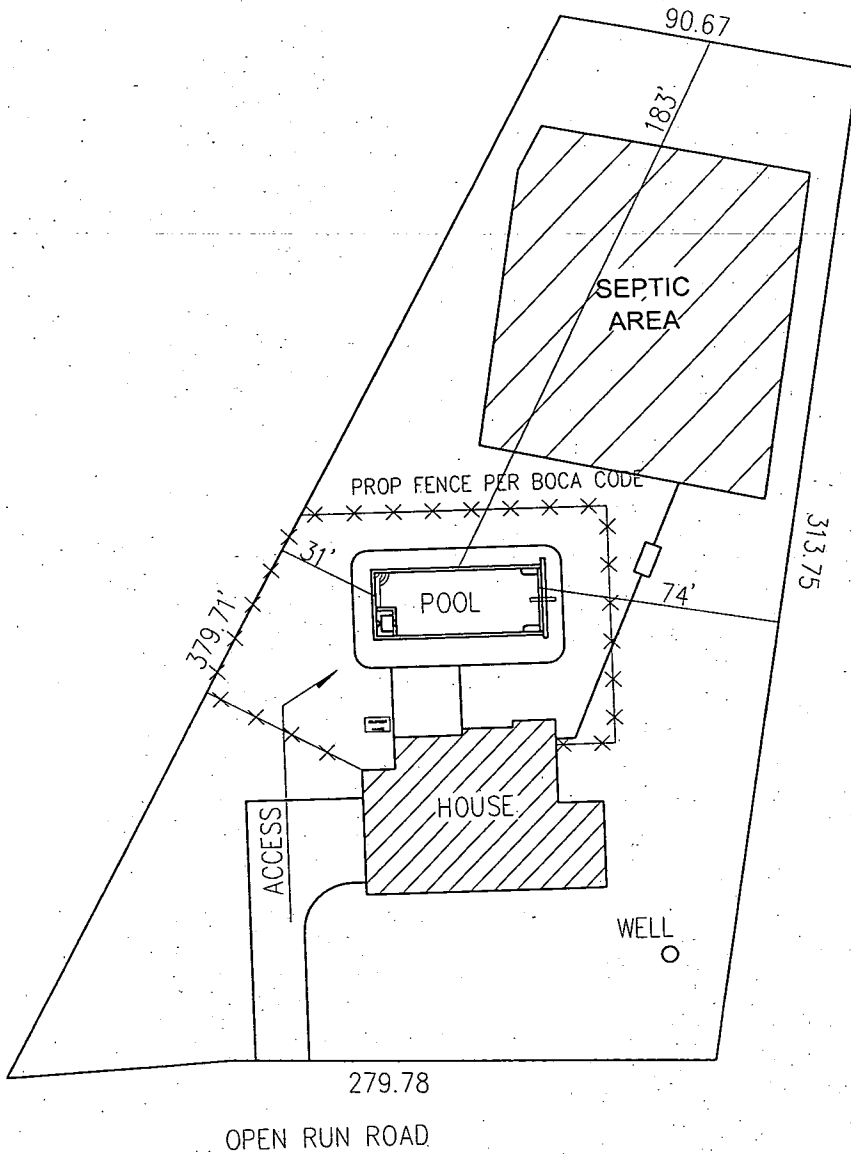


COMMENTS: Proposed pool location > 20' from SDA & 43' to
step septic tank c/o. Awaiting revised plan to
sign BUILDING Permit.

DATE: 4/19/85

INSPECTOR: Kacie Noonan

SITE PLAN



600153378
Received
4/19/05
Field map ok
pool loc
43' to septic
tank

KN

BP #



SCALE: 1"=60'