

9/19/86
9/22/86

9-22-85
approved
S. Abel

PERMIT

P 37614
A 30322

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

ELLICOTT CITY

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330X
461-9933

(No WPI)
03-309959

DISTRICT 3rd

INDEXED

DATE 9/03/86

John W. Cooper, III IS PERMITTED TO INSTALL ALTER

ADDRESS 2533 Melba Road, Ellicott City, Maryland 21043 PHONE _____

SUBDIVISION Wynfield ROAD 2731 Wynfield Road LOT 25, Section 3

PROPERTY OWNER John W. Cooper, III

ADDRESS _____

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 2 feet below original grade. 5 feet of stone below distribution pipe.

LOCATION - Place the distribution box ~~50~~ feet from the front lot line and approximately 200 feet from the left lot line as seen when facing the lot from Wynfield Road. Run trenches on contour toward front lot line. NOTE: Maintain 100 feet from well with system, no trench to exceed 90 feet in length due to limited area.

NOTE - No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

NO TRENCH MAY BE CLOSER THAN 90' TO WELL
9/15/86 CW

PLANS APPROVED BY S. Abel DATE 5/27/86

COVER NO WORK UNTIL INSPECTED AND APPROVED.

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

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

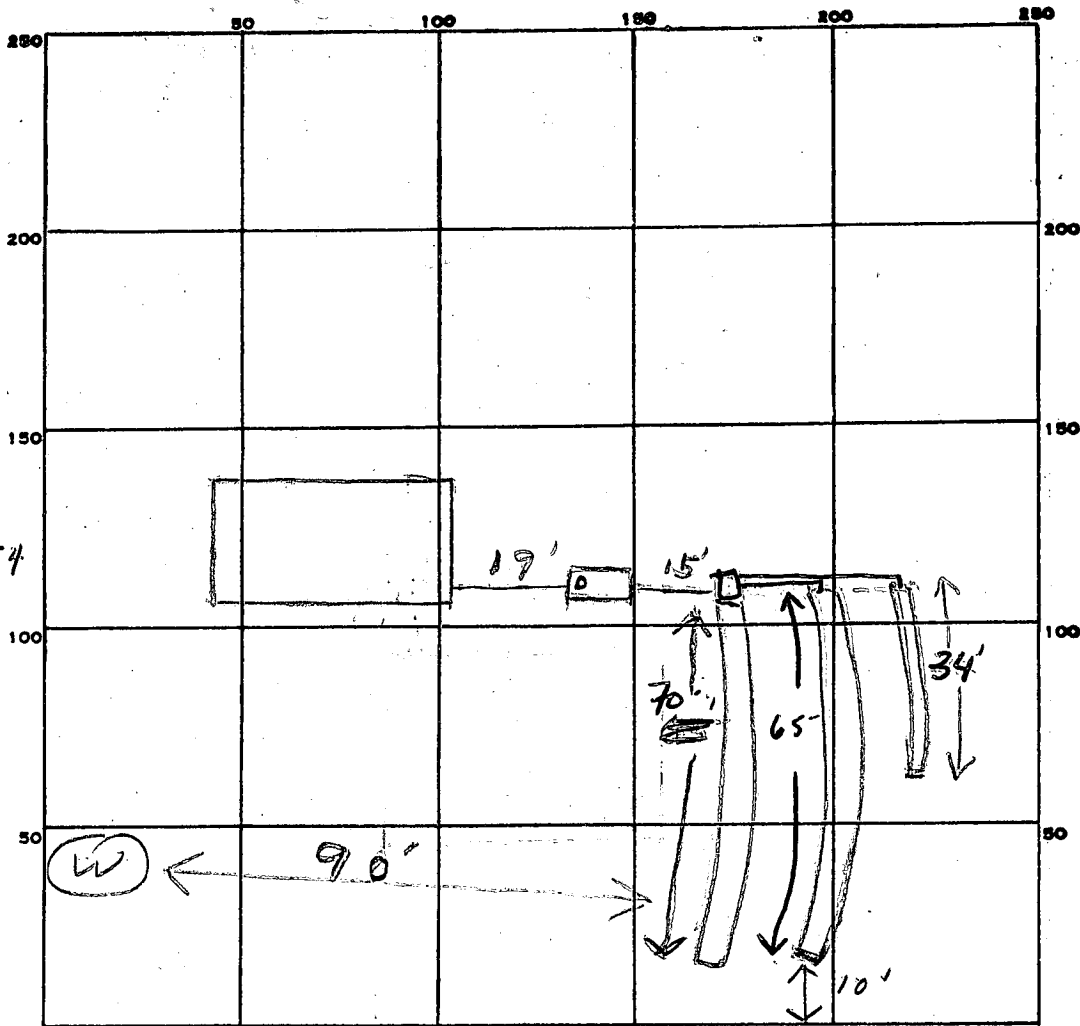
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 30322



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Wyntfield Rd

632
 22

 1264
 1264

 13904
 632

 771

5/771/154

23
 154

 632

PERMIT CARD

SEPTIC TANK, LEVEL 1500 CLEANOUTS

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 7 FT. TRENCH WIDTH 2 FT. Inlet 2

GRAVEL DEPTH 6R DK TOTAL LENGTH 169 FT.

NUMBER OF TRENCHES 3 ONE SIDE WALL TOTAL BOTTOM AREA 845

SEEPAGE PITS, INSIDE DIAMETER FT. DEPTH BELOW INLET FT.

ABSORBENT AREA 845 SQ. FT.

REMARKS 9/19/86 OK to add stone in trenches JS

DATE SYSTEM APPROVED 9-22-86 INSPECTOR S. Abel

PRELIMINARY

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 30322

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

*2533 Malabar Rd.
21043*

DISTRICT 3rd.

DATE 10/31/79

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Land Associates John Cooper III

ADDRESS 3450 Ft. Meade Rd., No. 206, Laurel, Md. 20810 PHONE Tom Munz - 792-2242
or Ted Snovell - 265-6543

PROPERTY LOCATION _____

SUBDIVISION Hoffman Property LOT NO. 25, sec 3

ROAD AND DESCRIPTION Route 144 2731 Wynfield Rd.

SIZE OF LOT 3 acres TYPE BLDG. 3 or 4 bedrooms

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.

SIGNATURE OF APPLICANT /s/ Ted Snovell for Land Associates

APPROVED BY B.D. & D.W.M. FOR DRYWELL DATE 12/27/79

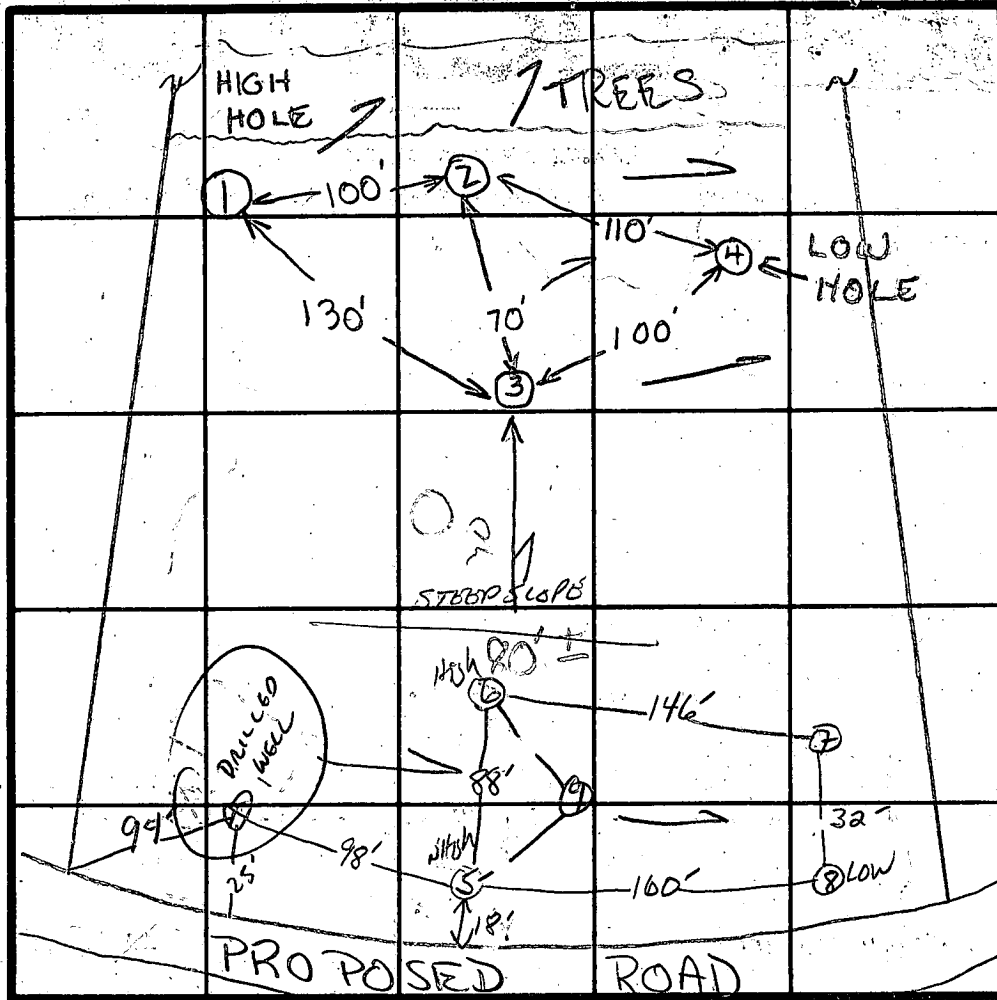
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE B.P. 69216

REASONS FOR REJECTION OR HOLDING OK - 11/19/79 - R.D.
Cops given to Ted Snovell 2/1/85 spec
Writer B. Hodges 5-20-84 Repur. SATISFACTORY. SAAM

THIS IS NOT A PERMIT

LOT 10



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

2 PERC. TIME
5 MIN
INLET 2'
BOTTOM MAX
7'
158A/BR

SOIL PROFILE

0'
2'
15'

CLAY SAND
ALL SAND & MICA & SOME WEATHERED SHALE 11-15'

NO CLAY LAYER REMOVED DURING ROAD WORK. STRONG BROWN HIGHLY MICACEOUS SAND LOAM 10-20% FRAGMENTS FRAGMENTS INCREASE W/ DEPTH TO 20-30%

4-3
40% BROWN SAND & 0.1MM 29% CLAY 10% FRAGS
HILLON BR. HIGHLY MICACEOUS SAND WITH LOAM 20-30% FRAGMENTS

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/19/79	1S	5'	11:23	11:25	11:25	11:27	2	DO NOT PERMIT GARBAGE DISPOSAL 7 MIN. AVG. 4 1/2 ft. ind
	1D	15'	11:24	11:30	11:30	11:36	6	
	2S	5'	11:29	11:31	11:31	11:36	5	
	2D	15'	11:30	11:32	11:32	11:35	3	
	3S	5'	1:13	1:15	1:15	1:18	3	
	3D	14 1/2'	1:13	1:19	1:19	1:26	7	
	4S	4 1/2'	1:25	1:33	1:33	1:44	11	
	4D	14 1/2'	1:25	1:34	1:34	1:45	16	
2/20/86	5 S	2'	11:22	11:23	11:23	11:28	5 min	NEW PERC AREA SPECS OF THESE RESULTS
	6 S	10'	UNIFORM SOIL COMPOSITION FROM SURFACE TO 10'					
	7 S	2'	11:25	11:27	11:27	11:31	4 min	
	8 S	8'	11:24	11:29	11:29	11:37	8 min	
	9 S	13'	see profile uniform soil 13"-13'					
	10 S	12'	SAME AS HOLE #8 NOT TESTED					
	11 S	2'	11:37	11:38	11:38	11:39:30	1.5 min	
	12 S	12'	UNIFORM SOIL COMP. below 18"					
	13 S	12'	UNIFORM SOIL COMP. below 18"					

REMARKS PERC AREA DIFFERENT FROM PLAT

TYPE OF SOIL ALL SAND BELOW 2-3', SOME MICA, SMALL WEATHERED SHALE BELOW 11'

TESTED BY R.D. ALSO PRESENT JIM DUSZYNSKI

* MARYLAND STATE GRID SYSTEM COORDINATE VALUES BASED ON HOWARD COUNTY TRAVERSE POINTS NO. 3437001 & NO. 3437002.

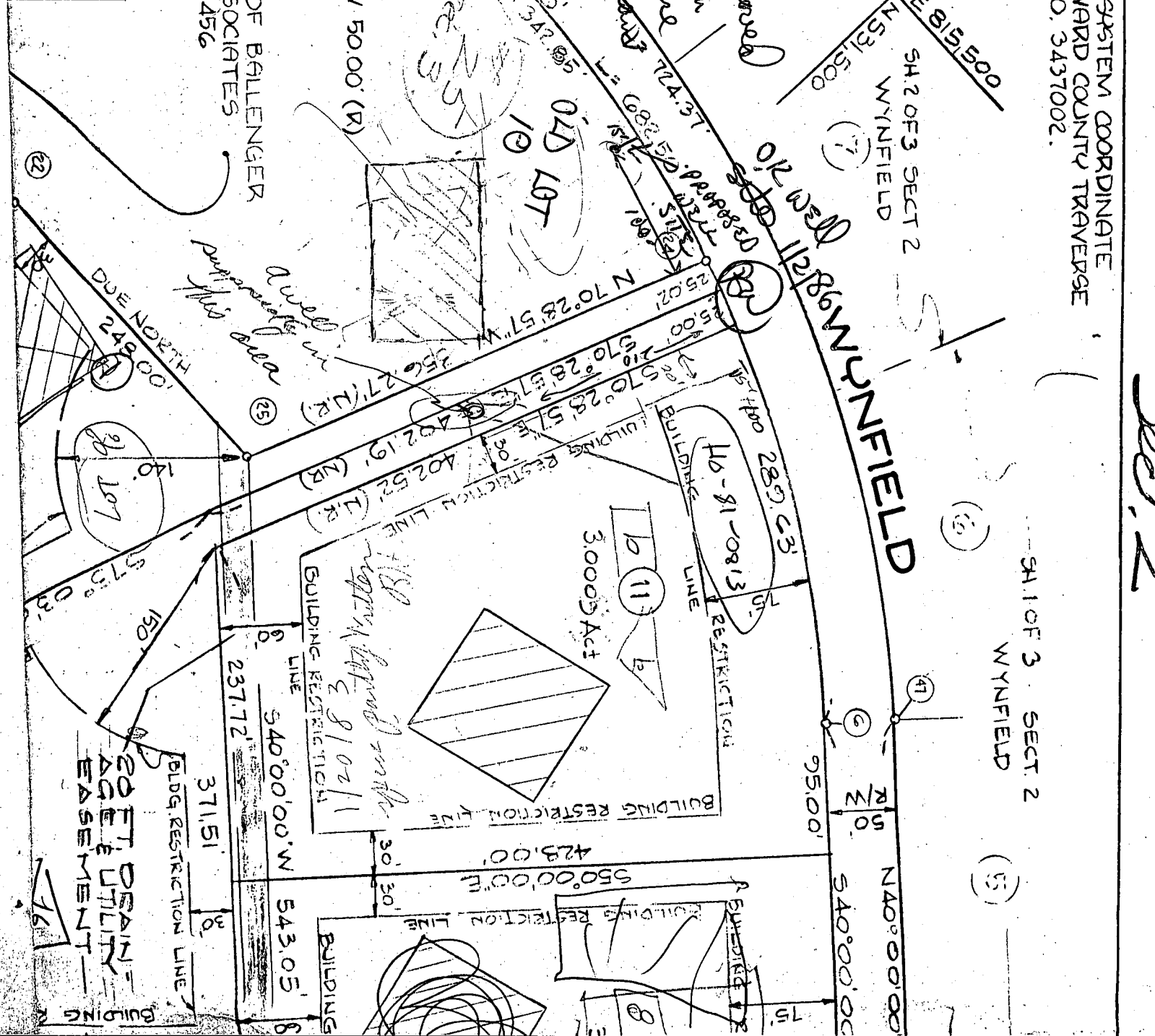
1007E

1/2/86

used + septic spaces for lot 25 to be approved but with qualification
 no septic for the same no problem of approval will location on lot 11

OTHER LANDS OF BALLENGER CREEK ASSOCIATES 1054/456

COORDINATES *		
NO.	NORTH	EAST
84	531,197.76	815,652.04
301	531,204.70	815,301.52



Sec. 2

3410F 3 SECT 2 WYNFIELD

SH 2 OF 3 SECT 2 WYNFIELD

SH 1 OF 3 SECT 2 WYNFIELD

SH 2 OF 3 SECT 2 WYNFIELD

SH 1 OF 3 SECT 2 WYNFIELD

SH 2 OF 3 SECT 2 WYNFIELD

SH 1 OF 3 SECT 2 WYNFIELD

SH 2 OF 3 SECT 2 WYNFIELD

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SH 1 OF 3 SECT 2 WYNFIELD

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

PUMP INSTALLATION

THE FOLLOWING STATEMENT MUST BE COMPLETED BY THE HOME OWNER
WHEN A PUMP IS INSTALLED BY A PERSON OTHER THAN THE WELL
DRILLER:

My well driller is not to install the pump for my water well, and I
hereby certify that it will be my responsibility to have a Pump Permit
taken out by a registered master plumber or certified pump installer.
It will be my responsibility to notify the Health Department before
and during the installation so that inspections can be made by their
representative. (Pursuant to Chapter XVII, of the Plumbing Code of
Howard County.)

John W. Cooper Jr
(Name)

2824 Deerfield Drive
(Address)
Ellicott City Md. (21043)
465-2361

(OEP Well Permit Number)

Wyntfield Lot 25 - Sec III

12/23/85
(Date)

B 1 3946

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-811-1281

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

please print or type

fill in this form completely

Date Received 1/17/86

OWNER INFORMATION: COOPER W. JOHNSON JR., 2824 DEERFIELD DR, ELLICOTT CITY MD 21043

LOCATION OF WELL: HOWARD COUNTY, WV FRIENDS DIVISION, SECTION 3, LOT 25, WEST FRIENDSHIRE, 1 1/2 MI FROM TOWN

DRILLER INFORMATION: Joseph H. Mayne, 77 License No. 0238, Firm Name: Joseph H. Mayne Well Drilling, Address: 5512 Ridge Rd. Mt. Airy, Md. 21111, Date: 12/26/85

DIRECTION OF WELL FROM TOWN (CIRCLE BOX): S. NEAR WHAT ROAD: Duffield Road. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): EAST. DISTANCE FROM ROAD: 15 FT.

WELL INFORMATION: APPROX. PUMPING RATE (GAL. PER MIN.): 5. AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500.

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: COUNTY NAME: HOWARD, COUNTY NO. A-30322, OEP SIGNATURE: B. Nelson, DATE ISSUED: 07/02/86, CO SIGNATURE: B. Nelson, EXP. DATE: 07/02/86, NORTH GRID: 531000, EAST GRID: 0815000.

USE FOR WATER (CIRCLE APPROPRIATE BOX): D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY), F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION), I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT), P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL), T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT).

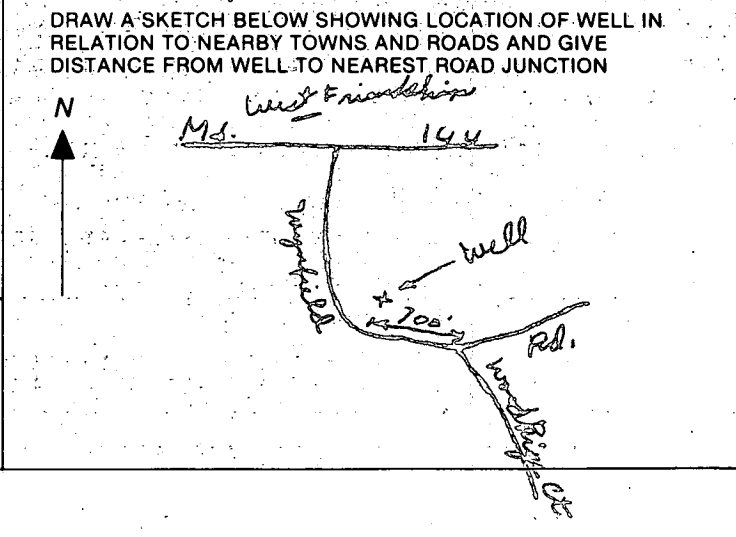
APPROXIMATE DEPTH OF WELL: 300 FEET.

APPROXIMATE DIAMETER OF WELL: 6 INCH.

METHOD OF DRILLING (circle one): BORED (or Augered), JETTED, Jetted & DRIVEN, AIR-ROTary, AIR-PERCussion, ROTARY (Hydraulic Rotary), CABLE, REVERSE-ROTary, DRIVE-POINT, other.

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X: Sources of drilling water: 1. WELL, 2. Papers given to Joe Mayne, 11/2/86. WRITE THE BOX NUMBER FROM THE MAP HERE: 815 S, 531 I.

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, D THIS WELL WILL DEEPEN AN EXISTING WELL. PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE):



Not to be filled in by driller (OEP USE ONLY): APPROP. PERMIT NUMBER: GAP. FORCE IN BOX: 30. WRITE INITIALS IN BOX: 30. PERMIT NO.: HO-811-1281.

SPECIAL CONDITIONS

C1 00820

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER

A-30322

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 01/17/86

Depth of Well 325 (TO NEAREST FOOT)

PERMIT NO. HO-81-1281

OWNER COOPER JR. (last name) JOHN (first name) STREET OR RFD WYNFIELD RD TOWN WEST FRIENDSHIP SUBDIVISION WYNFIELD ESTATES SECTION 3 LOT 25

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 FROM TO Check if water bearing

Brown Shale 0 8 GRAY Micaceous Rock 8 325

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

Y (yes) N (no)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 5 NO. OF POUNDS 470

GALLONS OF WATER 30

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 18 ft. (enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

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

ST 6 21/2

OTHER CASING (if used)

diagram for other casing diameter and depth

SCREEN RECORD

screen type or open hole insert appropriate code below

ST BR HO PL OT STEEL BRASS OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.)

SCREEN RECORD grid with H0 20 325

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 5

METHOD USED TO MEASURE PUMPING RATE bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 35

WHEN PUMPING 144

TYPE OF PUMP USED (for test)

A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

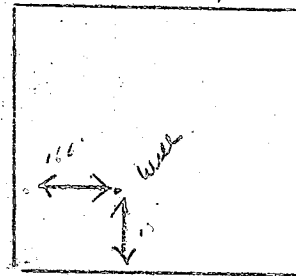
DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

CAPACITY: GALLONS PER MINUTE PUMP HORSE POWER PUMP COLUMN LENGTH

CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

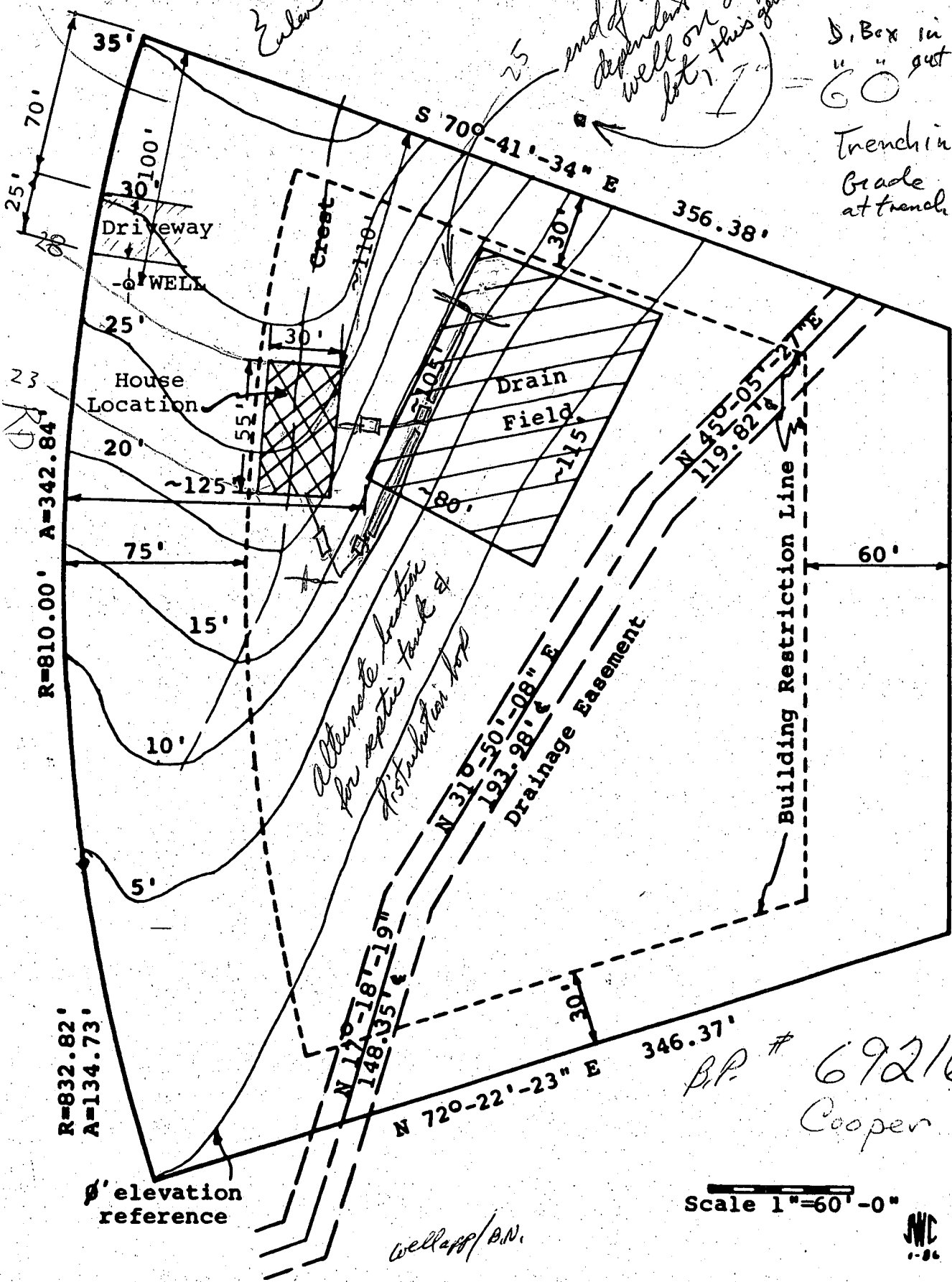
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 238 DRILLERS SIGNATURE Joseph E. Maspey

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

Charged 4-14-86
Euler

Detail layout of
 Lot 25



- House out - 10'10"
- Tank in - 10'7"
- " out - 10'4"
- S. Box in - 10'2"
- " out - 10'11"
- Trench in - 10'
- Grade at trench - 12'

end of trench dependent upon well on adjacent lot, this you care

B.P. # 69216
Cooper

Scale 1"=60'-0"

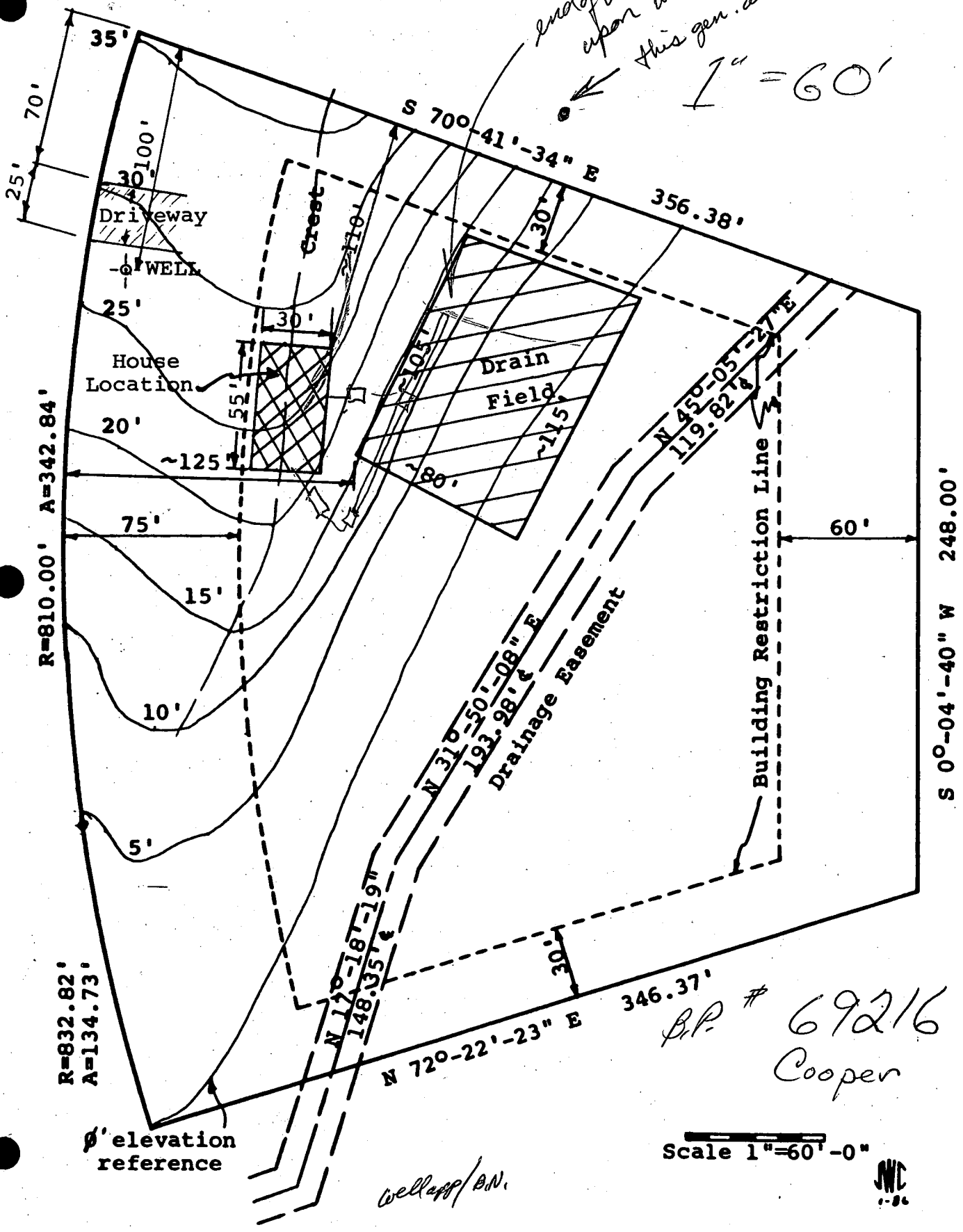
Wellapp/B.N.



Detail layout of
Lot 25

end of trench dependent upon well on adjacent lot this gen. area

1" = 60'



R=810.00' A=342.84'

R=832.82'
A=134.73'

N 17° 18' 19" E
148.35'

N 31° 50' 08" E
193.28'

N 72° 22' 23" E
346.37'

S 70° 41' 34" E
356.38'

N 45° 05' 27" E
119.82'

S 0° 04' 40" W
248.00'

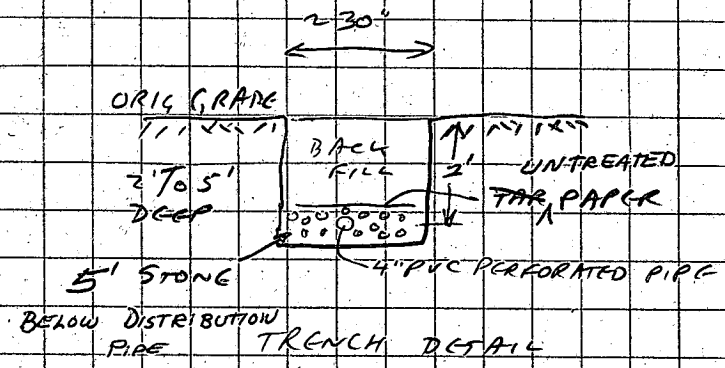
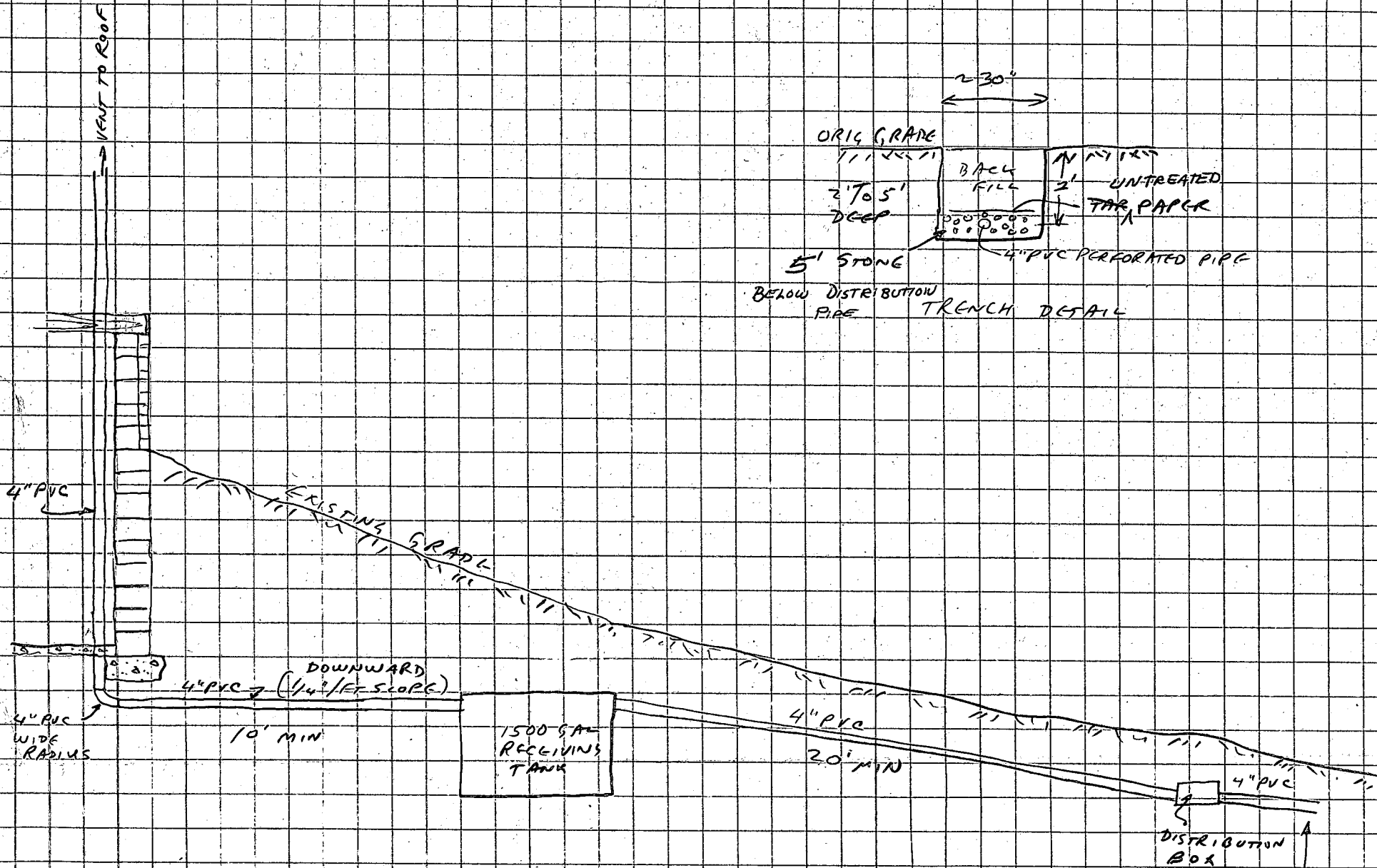
B.P. # 69216
Cooper

Scale 1" = 60' - 0"

JWC

well app/B.N.

0' elevation reference



② -75' TRENCHES
JWC

REGION _____

AREA _____ RATING _____

ACKNOWLEDGMENT AND CONTROLS	DATE

Howard County Department of Health
 BUREAU OF ENVIRONMENTAL HEALTH
RECORD OF INVESTIGATION

DISPOSITION	DATE

LOCATION WYNFIELD LOT 25 SECT III ZIP _____

OWNER OCCUPANT JOHN COOPER ADDRESS _____ PHONE 465-2344

COMPLAINANT _____ ADDRESS _____ PHONE _____

REASON FOR INVESTIGATION MR COOPER CONTACTED MR FROMMOLT REGARDING A PROBLEM IN DESIGNING HIS SEPTIC SYSTEM LAYOUT, HIS CONTRACTOR INDICATED THAT INSTALLATION AREA WAS TOO STEEP. CODES _____

RECEIVED BY F FROMMOLT DATE 5/1/86 ASSIGNED TO C WILLIAMS DATE 5/1/86

DATE OF INVESTIGATION 5/2/86 TIME 8:00 AM WEATHER _____

REPORT THE APPROVED INSTALLATION SITE WAS ~~FOUND~~ FOUND TO BE ~~TOO STEEP FOR ORDINARY CONSTRUCTION~~ STEEPER THAN PERMISSIBLE. CLOSER INVESTIGATION REVEALED THAT THE PELE AREA ON THE PLAT WAS ~~BE~~ ~~IN~~ LOCATED FURTHER BACK ON THE LOT THAN ACTUALLY TESTED.

THE WELL LOCATION AND THE PROPOSED HOUSE LOCATION ARE NOW IN CONFLICT WITH THE TESTED AREA.

5-15-86 Refer for Tuesday May 20 @ 12 noon S. A. H.

DATE SUBMITTED _____ SANITARIAN _____

REGION _____

AREA _____ RATING _____

ACKNOWLEDGMENT AND CONTROLS	DATE

Howard County Department of Health
 BUREAU OF ENVIRONMENTAL HEALTH
RECORD OF INVESTIGATION

DISPOSITION	DATE

LOCATION WYNFIELD LOT 25 SECT III ZIP _____

OWNER OCCUPANT JOHN COOPER ADDRESS _____ PHONE 465-2366

COMPLAINANT _____ ADDRESS _____ PHONE _____

REASON FOR INVESTIGATION MR COOPER CONTACTED MA FROMMELT REGARDING A
PROBLEM IN DESIGNING HIS SEPTIC SYSTEM LAYOUT, HIS CONTRACTOR
INDICATED THAT INSTALLATION AREA WAS TOO STEEP. CODES _____

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~~TOO STEEP FOR ORDINARY CONSTRUCTION~~ STEEPER THAN PERMISSIBLE.
CLOSER INVESTIGATION REVEALED THAT THE PELE AREA ON THE PLAT
WAS ~~BE~~ ~~IN~~ LOCATED FURTHER BACK ON THE LOT THAN ACTUALLY
TESTED.

THE WELL LOCATION AND THE PROPOSED HOUSE LOCATION
ARE NOW IN CONFLICT WITH THE TESTED AREA,

5-15-86 R/1ERC FOR TUESDAY MAY 20 @ 12NOON S. Allen

DATE SUBMITTED _____ SANITARIAN _____