

2/5/90
LATE

W.P.1

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

P 45308
A 31717
DISTRICT 5th
DATE 2/3/90
DATE SYSTEM APPROVED 2/6/90
INSPECTOR M. Ritkin

INDEXED
05-392837

T & R Plumbing & Heating, Inc. IS PERMITTED TO INSTALL X ALTER
ADDRESS 11974 Scaggsville Road, Fulton, Maryland 20759 PHONE 725-2392
SUBDIVISION Dunfretten Estates ROAD 13718 Pasture Green LOT 4
PROPERTY OWNER Gary + Lenore Gary D. Katz 596-9434
ADDRESS _____

~~IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 25%~~

GARBAGE GRINDER ~~YES~~ ~~NO~~

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 193 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 1/2 feet below original grade. Bottom maximum depth 9 feet below original grade. Effective area begins at 4 1/2 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Start the trench 140 feet from the front lot line and 100 feet from the left side of the lot as seen when facing the lot from Pasture Green. Run the trench toward the right side of the lot as seen when facing the lot from Pasture Green.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. o/c/w

PLANS APPROVED BY Ray Hodges DATE 05/03/83

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: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS

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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

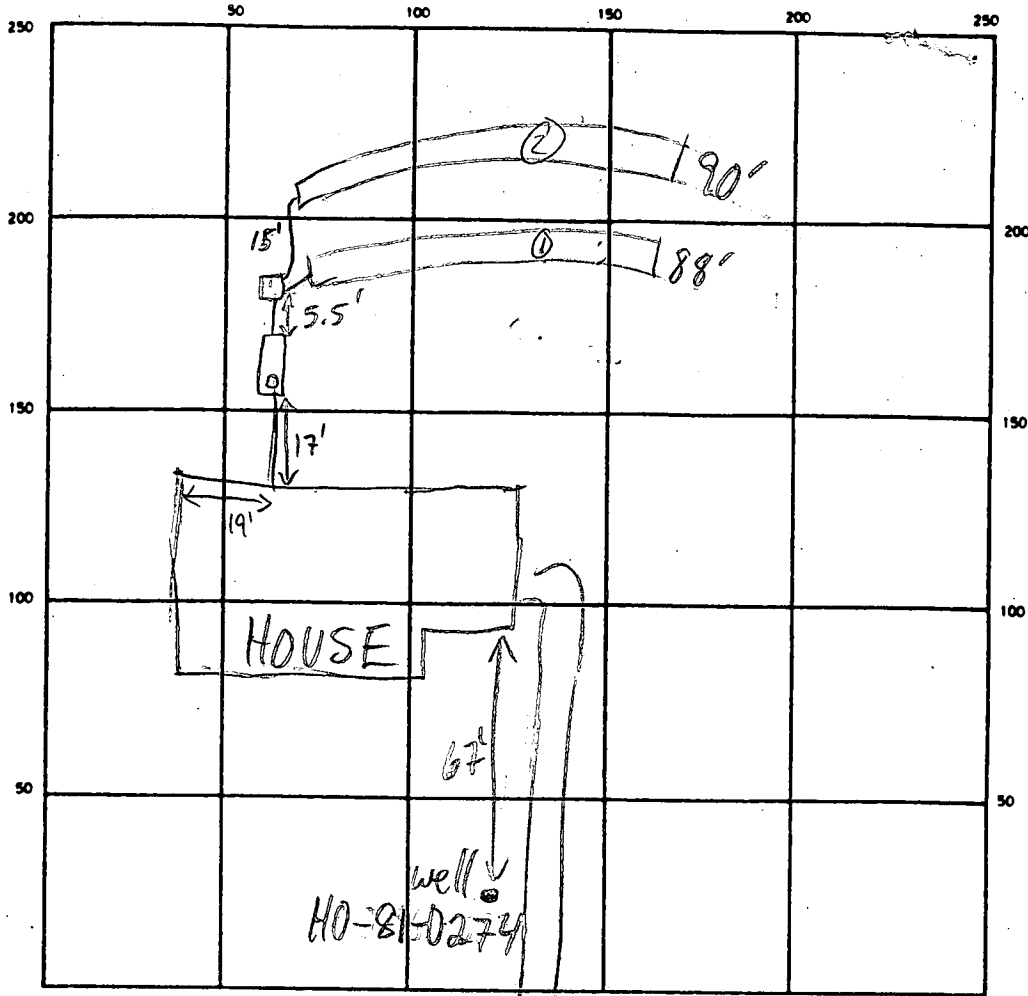
BLDG. PERMIT SIGNED
AND RETURNED 4/24/91
Serial # 37408-deck

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 31717

A31717



PASTURE GREEN INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TILE FIELD DEPTH 9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4.5 FT.

EFFECTIVE GRAVEL DEPTH 4.5 FT. TOTAL LENGTH 188 (2) 190 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 0396 (2) 405 SQ. FT.

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

ABSORBENT AREA 801 SQ. FT.

REMARKS 2/5/90 OK TO STONE BOTH TRENCHES MR

2/6/90 OK TO COVER ALL MR

DATE SYSTEM APPROVED 2/6/90 INSPECTOR M. Rifkin

31717

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

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation Replacement
Receipt # 45324
Date 12/07/89
Name of Installer ROBERT L. FEEZER Telephone 781-4655
License Number 2122
Certified Well Pump Installer Well Driller Registered Plumber
Name of Property Owner GARY KATZ Telephone 781-4655
Subdivision DUNFORD EST Lot # 4 Well Tag # Hb-81-0274
Site Address 1378 PASTURE CROENKA

Pump
1. Type
a. Deep well jet
b. Shallow well jet
c. Submersible
2. Make Dawing (Eriswell)
3. Model # 3ALN
4. Capacity 8 GPM
5. Pump exceeds well capacity Yes No
6. If Yes, is low pressure cutoff switch installed? Yes No
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Motor
1. Horsepower 1/2
2. RPM 3450
3. Voltage
a. 110
b. 220

Pitless Adapter
1. Make MERRILL
2. Model # MB-1
3. Depth 42" +

Tank CATIVE AIR
1. Capacity WX-203
2. Pressure relief valve? YES

Piping
1. Type Poly
2. Size 1 1/2"
3. NSF and/or BOCA Code approved YES
4. Depth of supply line 42"

Well data
1. Depth 203 ft.
2. Yield 7 GPM
3. Static water level ft.
4. Will water supply be disinfected by installer? YES

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.

Signature of Applicant: Robert L. Feezer R.L.F Co

Date: 12/7/89

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

A 31717

SUBDIVISION: DUNFRETTON ESTATES

LOT NUMBER: 4

DRY WELL OR DRY WELL AND TRENCH

152 sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet 4 1/2 feet below original grade.
 Bottom maximum depth 4 10 feet below original grade.
 Effective area begins at 4 1/2 feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with 5 1/2 feet of stone below distribution pipe.

OR
TRENCHES

193 sq. ft./bedroom

Trench to be 2 wide.
 Inlet 4 1/2 feet below original grade.
 Bottom maximum depth 19 feet below original grade.
 Effective area begins at 4 1/2 feet below original grade.
4 1/2 feet of stone below distribution pipe.

4 BR per building permit
Friday 4 BR

2 - 72' 772#
2 - @ dip 92' 942#

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: ~~PLACE THE DRY WELL OR START THE TRENCH~~
 AT PERC HOLE # 3. WHICH IS LOCATED 140 FT FROM
 THE FRONT LOT LINE & 100 FT FROM THE LEFT SIDE OF THE LOT
 AS SEEN WHEN FACING THE LOT FROM PASTURE GREEN
 RUN THE DITCH TOWARD THE RIGHT SIDE OF THE LOT
 AS SEEN WHEN FACING THE LOT FROM PASTURE GREEN
 513123 AH

4.5
4 1/2

4

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A. 31717

P. _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th

DATE 11/24/81

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 S. Turner Nichols and James S. Nichols Gary D. Katz - 596-4336

ADDRESS 13270 Triadelphia Mill Road PHONE 286-2993

PROPERTY LOCATION:

SUBDIVISION Dunfretten Estates - Triadelphia Mill Road LOT NO. #4

ROAD AND DESCRIPTION Pasture Green (Macadam) (13718 Pasture Green Rd.)

SIZE OF LOT 3 Acres TYPE BLDG. _____ (NUMBER OF 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. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT) S. Turner Nichols - James S. Nichols

APPROVED BY Raymond Hodges FOR Trench DATE 5/3/83

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING Not signed 5/3/83 BH

BLDG. PERMIT SIGNED AND RETURNED 9/20/89
Qual # 29110 - SFD
4 Bedroom

BLDG. PERMIT SIGNED AND RETURNED 11/7/85
OP # 8783
S. Abel

THIS IS NOT A PERMIT

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND, DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31717

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

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S. Turner Nichols
James S. Nichols
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

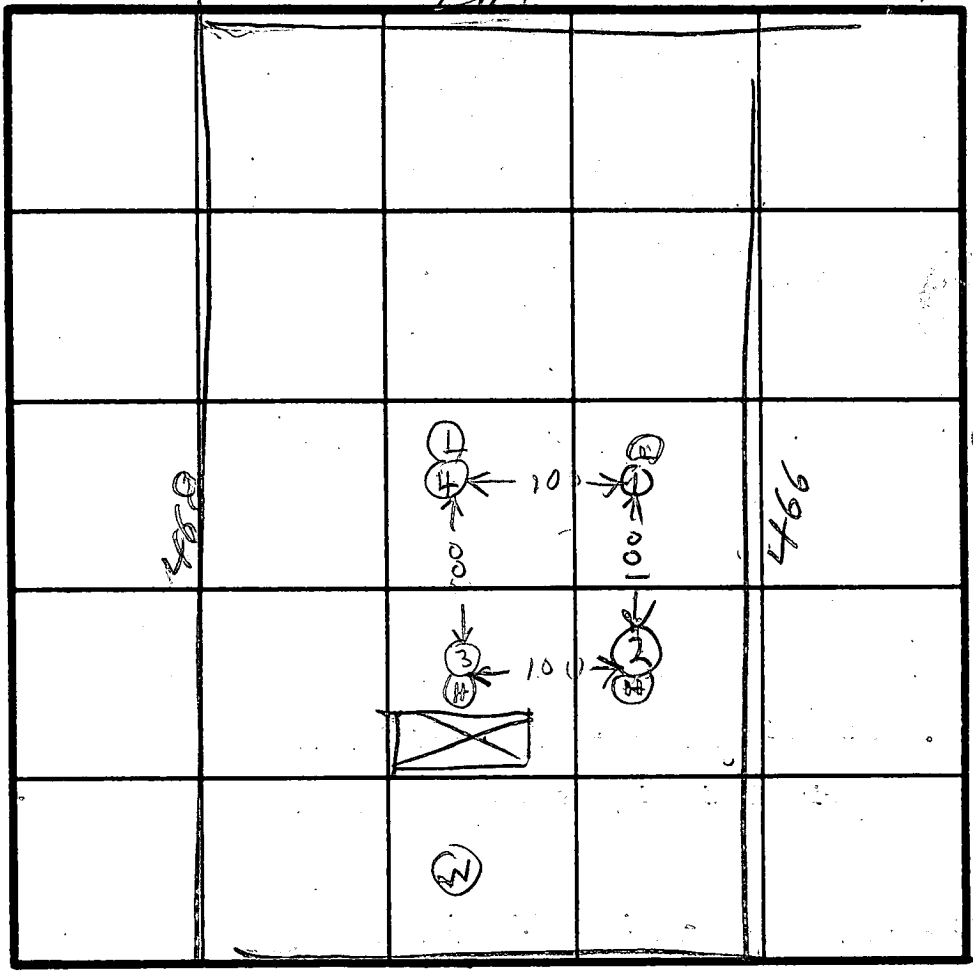
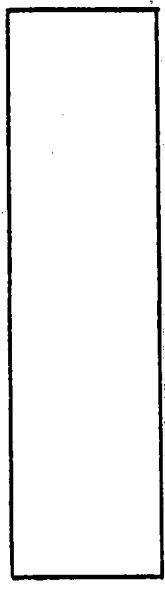
#4

See Plat

281

Holden
Low
High

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

PROPOSED RD

TO TRIDE-ONIA
MILL RD

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/2/81	1S	6	326	329	329	333	4
	1D	10 1/2	326	329	329	335	6
	1V	13	TOP SKT CLAY				
			BOT	8 FT	SANDY	DRY	
	2S	5	234	235	235	237	2
	2D	10	239	349	349	356	7
	2V	12 1/2	TOP 4 FT CLAY				
			BOT	8 1/2 FT	SAND	DRY	
	3S	6 1/2	1012	1013	1013	1014	1
	3D	9	1012	1014	1014	1018	4
	3V	13	TOP 5 1/2 CLAY				
			BOT	7 1/2	SANDY	DRY	
	4S		1019	1020	1020	1021	1
	4D	10	1019	1020	1020	1023	3
	4V	13	TOP 5 CLAY				
			BOT	8	SANDY	DRY	

artime 4
max depth 4 1/2

5
4
7

REMARKS _____

TYPE OF SOIL _____

TESTED BY BH ALSO PRESENT GRANDORF
NICHOLS

EH-12-1079

692

N 18° 02' 54" E

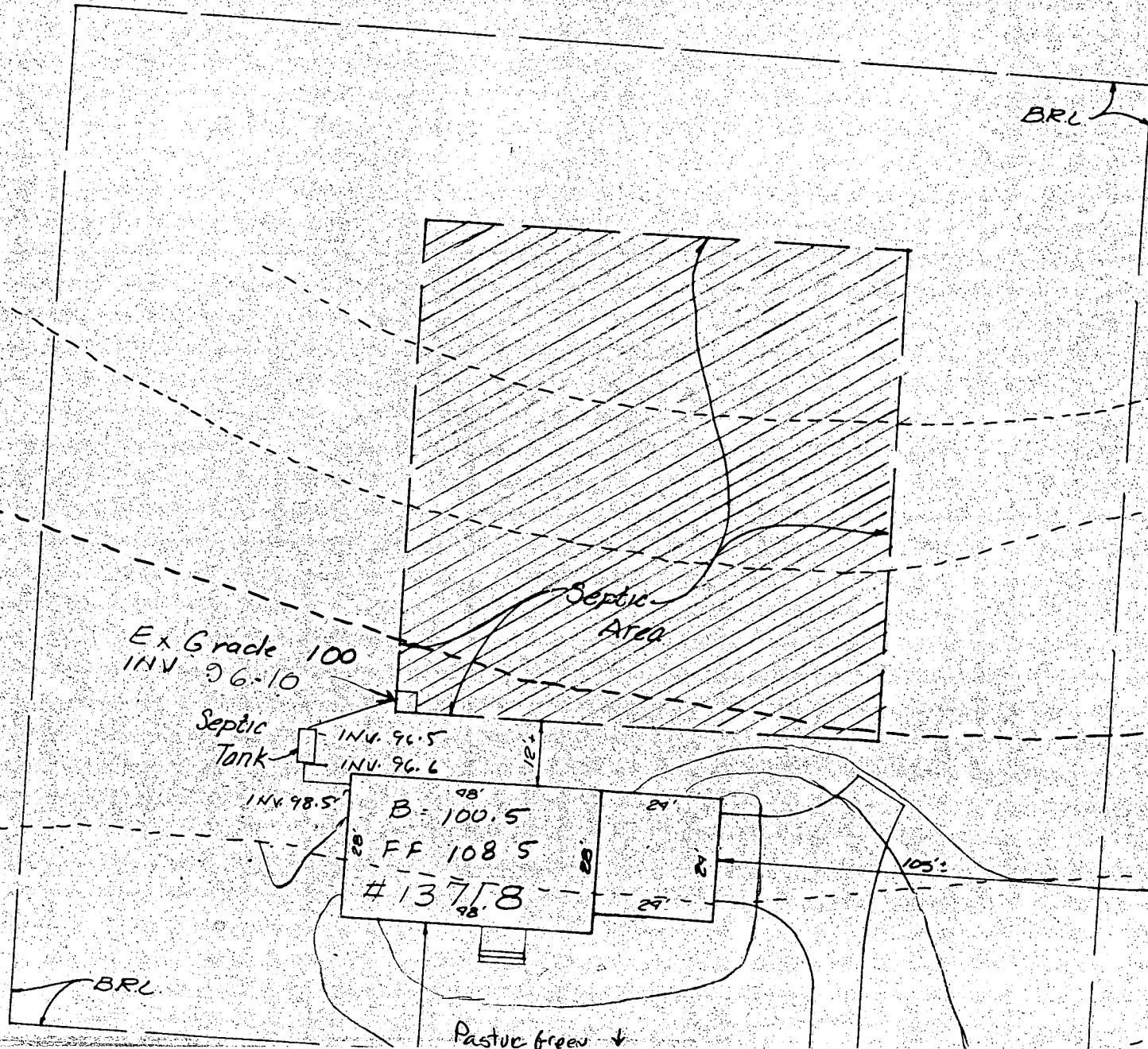
263.02'

elevations ok
Basement service
Not certain
9/20/89

C. Williams

LOT 4
3.0 ACRES

BRL



Ex. Grade 100
INV. 96.10

Septic Tank

INV. 96.5
INV. 96.6

INV. 98.5

28'
24'
28'
24'
105'
#13758

BRL

Pasture fence ↓

B 1 6965

SEQUENCE NO (OEP USE ONLY)

9/28/83

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

40-81-0274

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

please print or type

fill in this form completely

Date Received

090683

OWNER INFORMATION

KATZ D BARRY

6754 FLAP JACK LANE

COLUMBIA MD 21046

B 3

LOCATION OF WELL

HOWARD

DUNFRETTEW ESTATES

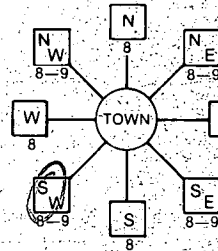
SECTION 44 46 LOT 48 50

DAYTON

MILES FROM TOWN (enter 0 if in town) 2.70 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



PASTURE GREEN

NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD ENTER FT or MI 25 FT

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 300

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Home (single or double household unit only)
Farming (livestock watering & agricultural irrigation)
Industrial, commercial, state and federal gov. other (requires appropriation permit)
Public or private water company (requires appropriation permit and state health department approval)
Test, observation, monitoring (may require appropriation permit)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD

A31717

COUNTY NAME, COUNTY NO., OEP SIGNATURE, DATE ISSUED, CO-SIGNATURE, EXP. DATE, NORTH GRID, EAST GRID

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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- This well will not replace an existing well
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
This well will deepen an existing well

Not to be filled in by driller (OEP USE ONLY)

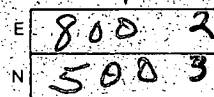
APPROP. PERMIT NUMBER

FORCE FS PERMIT No. 40-81-0274

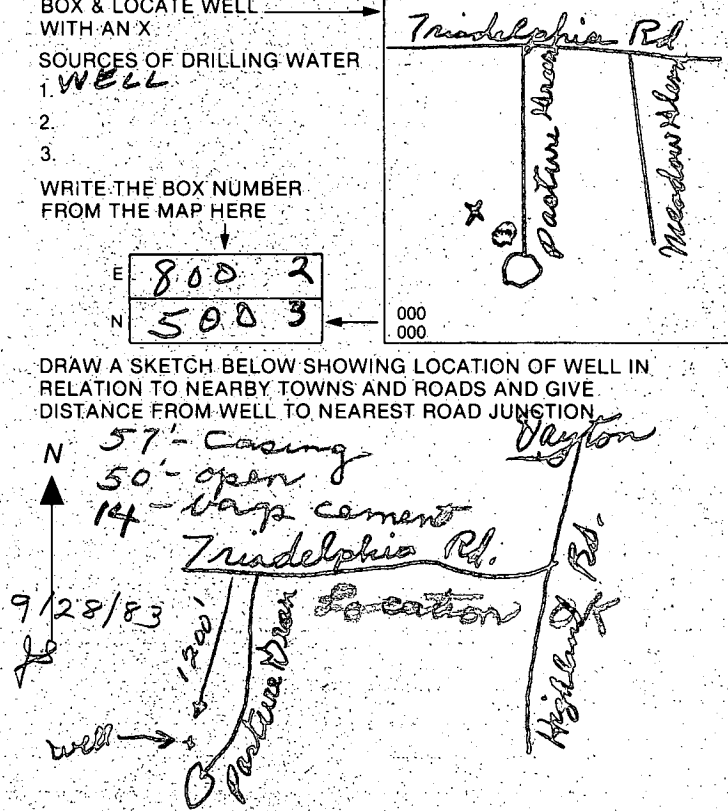
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE



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

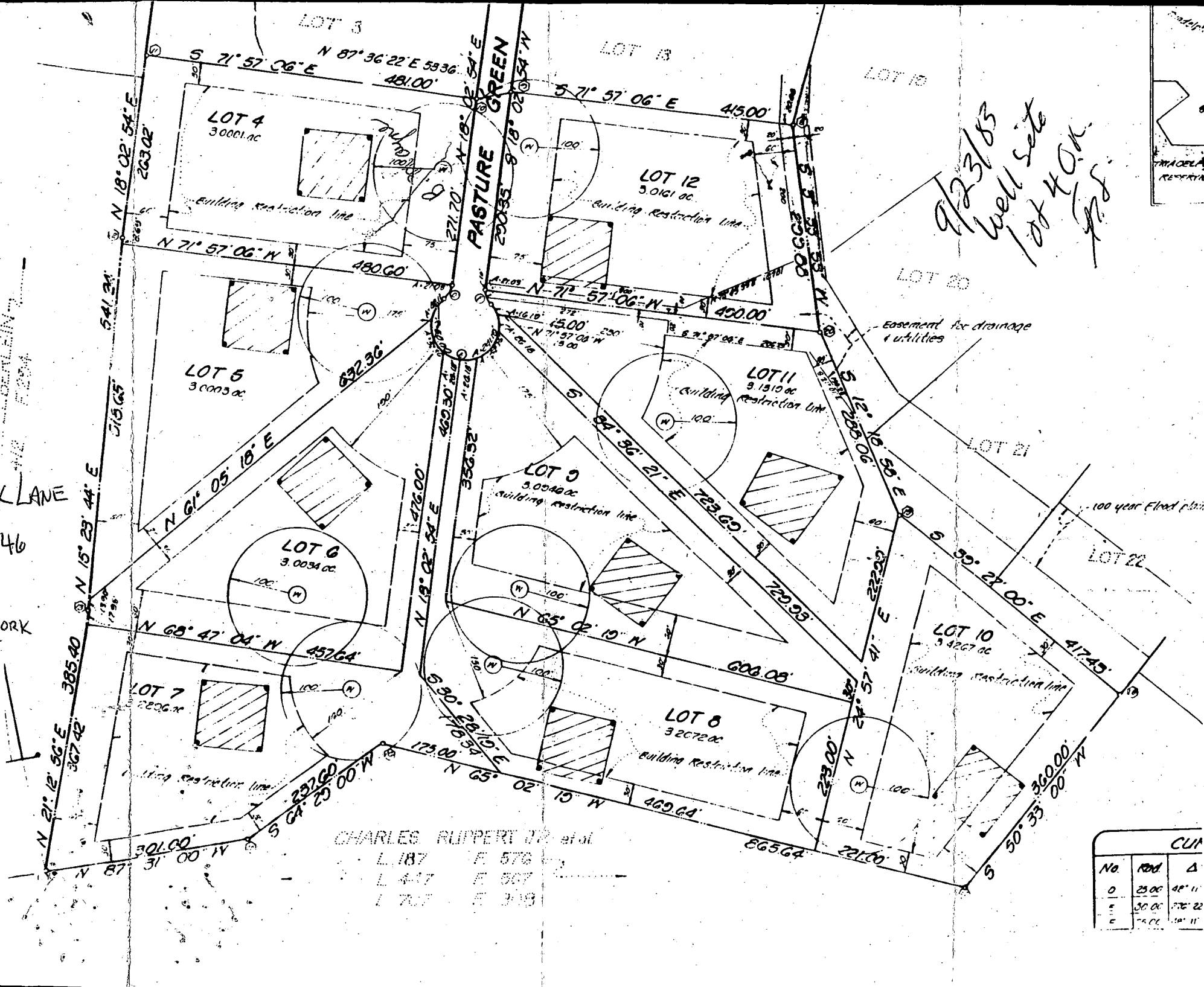


SPECIAL CONDITIONS

- 1- 42,500
- 2- 41,500
- 3- 41,500
- 4- 41,500
- 5- 41,500
- 6- 39,500
- 7- 41,500
- 8- 39,500
- 9- 41,500
- 10- 39,500
- 11- 42,500
- 12- 41,500

GARY D. KATZ
 6754 FLAPJACK LANE
 Columbia MD 21046

301-593-4336-A
 202-338-5715-WORK



9/23/83
 well site
 lot 4 OK
 JDS

CHARLES RUPPERT JR et al
 L 187 F 576
 L 447 F 507
 L 707 F 319

CUM		
No.	Area	Δ
0	25.00	48° 11'
1	30.00	37° 22'
2	25.00	18° 11'

C1 4456 U SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 31717

DATE Received DATE WELL COMPLETED 092883

Depth of Well 203 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0274

OWNER Katz last name Pasture Green first name Gary TOWN Dayton SUBDIVISION Dunfretten Estates SECTION LOT 4

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Brown Shale, Sand, and Gray mica rock.

GROUTING RECORD form including fields for CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (14), NO. OF POUNDS (1316), GALLONS OF WATER (84), and DEPTH OF GROUT SEAL.

CASING RECORD form including fields for casing types (ST, CO, PL, OT), MAIN CASING TYPE (ST), and diameters/depths.

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form including fields for screen type (ST, BR, HO, PL, OT) and depth.

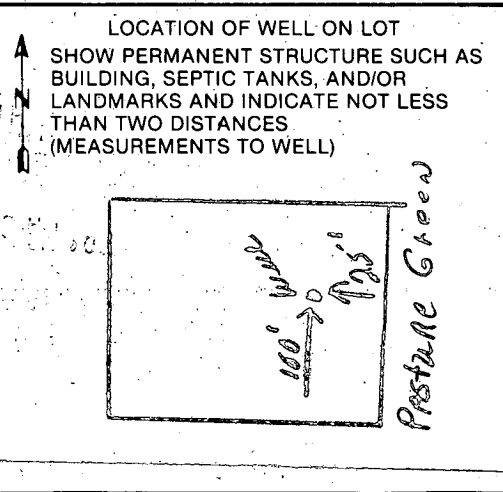
DEPTH (nearest ft.) table with columns for casing and screen depths.

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) form with fields for T, WQ, TELESCOPE CASING, LOG INDICATOR, and OTHER DATA.

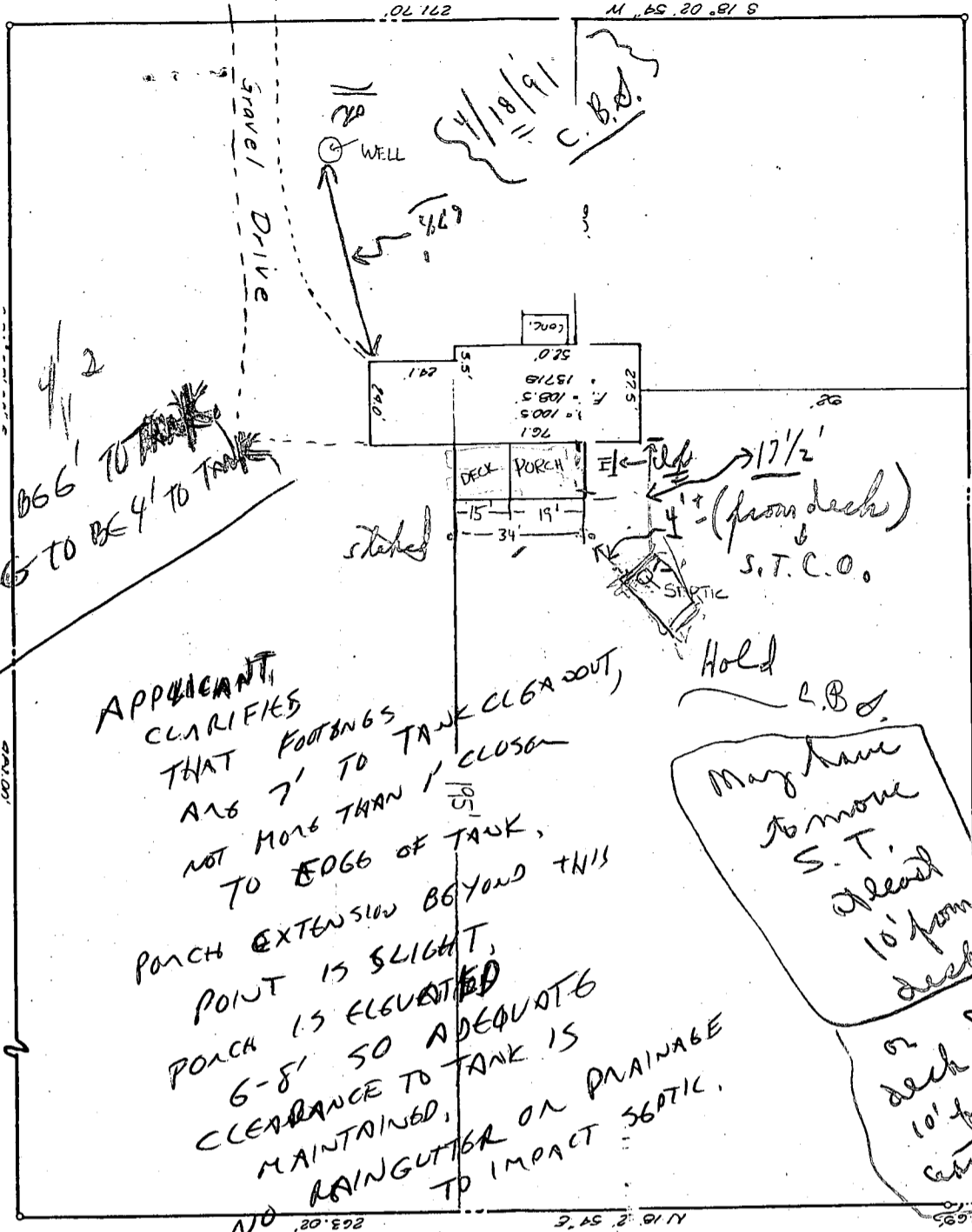
PUMPING TEST form including fields for HOURS PUMPED (3), PUMPING RATE (7), METHOD USED (bucket), WATER LEVEL (30), WHEN PUMPING (104), and TYPE OF PUMP USED (S).

PUMP INSTALLED form including fields for DRILLER WILL INSTALL PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY (GALLONS PER MINUTE), PUMP HORSE POWER, and CASING HEIGHT.



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.

DRILLERS IDENT. NO. 238, DRILLERS SIGNATURE (Must match signature on application), and SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).



4/12

FOOTINGS TO BE 6' TO TANK

OVER HANGS TO BE 4' TO TANK

APPLICANT CLARIFIES THAT FOOTINGS ARE 7' TO TANK CLEAR OUT, NOT MORE THAN 1' CLOSER TO EDGE OF TANK. PORCH EXTENSION BEYOND THIS POINT IS SLIGHT, PORCH IS ELEVATED 6-8' SO ADEQUATE CLEARANCE TO TANK IS MAINTAINED. NO RAINGUTTER OR DRAINAGE TO IMPACT SEPTIC.

OK TO PROCEED, 4/29/91 CWeller