

3/25/92
P.M.
2:00
3/30/92 AM

PERMIT

03-314626

SEWAGE DISPOSAL SYSTEM

P 47904
A 39587

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 54h

INDEXED

DATE 3/13/92

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

DATE SYSTEM APPROVED 6/23/92

INSPECTOR M. Ripkin

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Crystal Clear LOT 28 ROAD 13815 Kennard Drive

PROPERTY OWNER Crystal Clear General Partnership

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 160 feet from the rear lot line and 185 feet from the left lot line. Run trenches on contour toward rear of lot that is the left lot line as seen when facing the lot from Kennard Drive.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 2/18/92 RH

PLANS APPROVED BY C. Williams/Ray Hodges REVISED _____ DATE 1/24/91

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, 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

BLDG. PERMIT SIGNED

PERMIT VOID AFTER TWO YEARS

AND RETURNED 4/21/93

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.

Serial # 46919 - 2 Trench Sundeck

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A
39587

APPLICATION

PERCOLATION TESTING

A 39587

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

7-29-87 perc
ok pending
plat approval JEN

DISTRICT 5TH

DATE 6-12-87

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 Kenward Warfield Jr. Crystal Clear General Part.

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337
670-9114

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:
SUBDIVISION Crystal Clear LOT NO. 24

LOT 28 Preliminary

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd
13815 Kenward Drive

TAX MAP 22 PARCEL # 533

SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD
(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.

Mal & Riv
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7-29-87 for perc hole location and
subdivision plat approval JEN

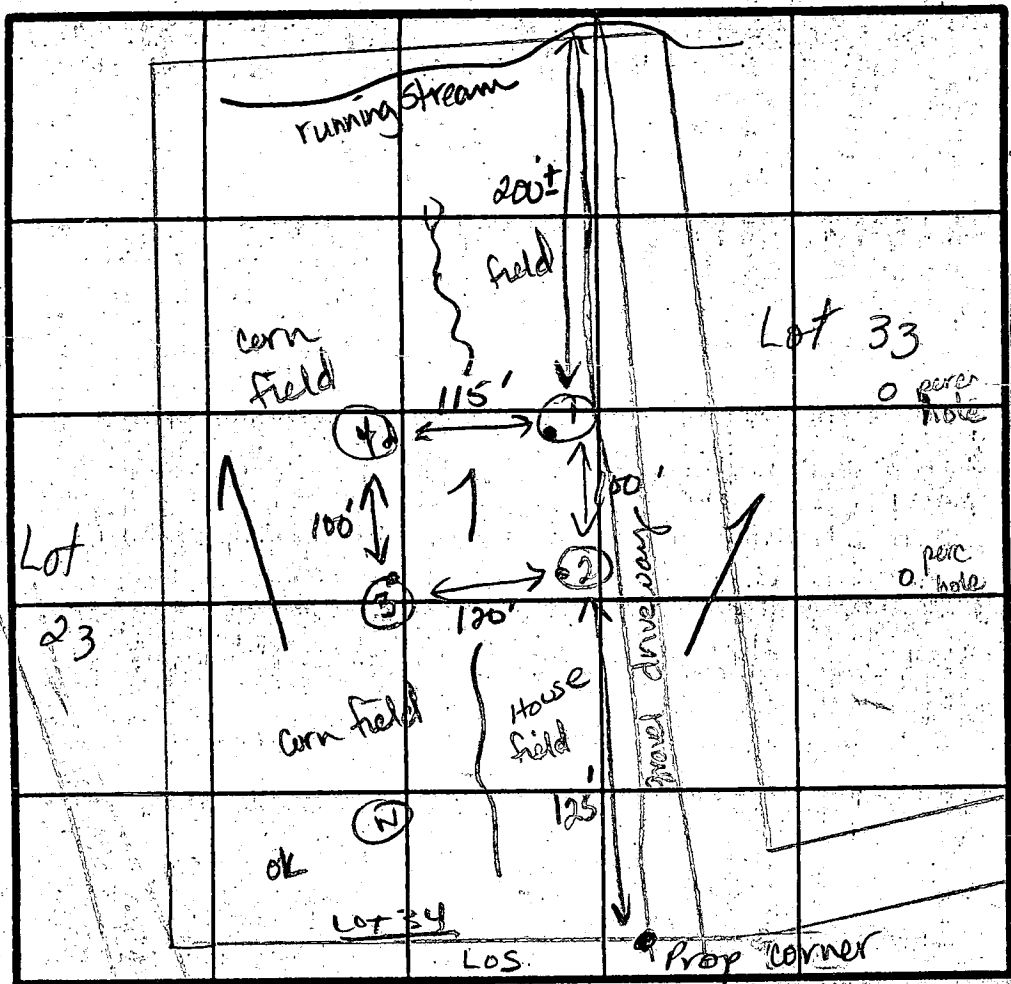
BLDG. PERMIT SIGNED 9/11/89
AND RETURNED Serial # 26943 - SFD
BLDG. PERMIT SIGNED 1/27/92
AND RETURNED Serial # 40936 - SFD - 4 Bedrooms 5 Bedrooms with garb. & trap

THIS IS NOT A PERMIT

3 Highest
4
2
1 lowest
①

SOIL PROFILE

0-2.5 Br si
lm, trc roots,
gravel
and CR-b
2.5-12.0 Br sa
si lm,
trc,
decomposed
saprolite,
< 20%
Bottom
12.0



④
0-4.5 Br si cl
loam
4.5-12.5 Brown
sandy
silty
loam,
trace of
saprolite
< 10%
12.5 Bottom

X Perc Gravel
Inlet 3.5
Bottom 5.5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Ivory Road

②
0-4 Br si cl
lm, roots
4-11.5 Br si
lm, little
weathered
rock
frags,
< 20%
11.5 Bottom

③
0-3.0 Br si
cl lm
3.0-12.0 Br sa
si lm,
trc broken
rock
frags,
< 20%
12.0 Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST: 1" DROP		TIME	
			START	STOP	START	STOP		
7-29-87	1	4.0 S	3:33	3:36	3:36	3:43	7	
		12.0 D	Bottom (see profile)					
	2	4.0 S	3:47	3:53	3:53	3:58	5	
		11.5 D	Bottom (see profile)					
	3	3.5 S	4:03	4:08	4:08	4:16	8	
		6.5 M	4:04	4:06	4:06	4:10		4
		12.0 D	Bottom (see profile)					
	4	12.5 V	(see profile)					

REMARKS: All holes located per plat.
 TYPE OF SOIL: 0-4' Br si cl lm, roots, 4'-12' Br sa si lm, < 20% rock frags
 TESTED BY: Gene E. Madigan
 ALSO PRESENT: Glen Sr, Glen Jr, Mark

EH 12-1079

APPLICATION

PERCOLATION TESTING

A 39586

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 5TH

DATE 6-12-87

WET SEASON TEST
ONLY AS LOT
DESIGNED

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 Kennard Warfield Jr.

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Crystal Clear LOT NO. 33

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd

TAX MAP 22 PARCEL # 533

SIZE OF LOT 3 1/2 acres TYPE BLDG. SFD
(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.

Mal D Reid
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

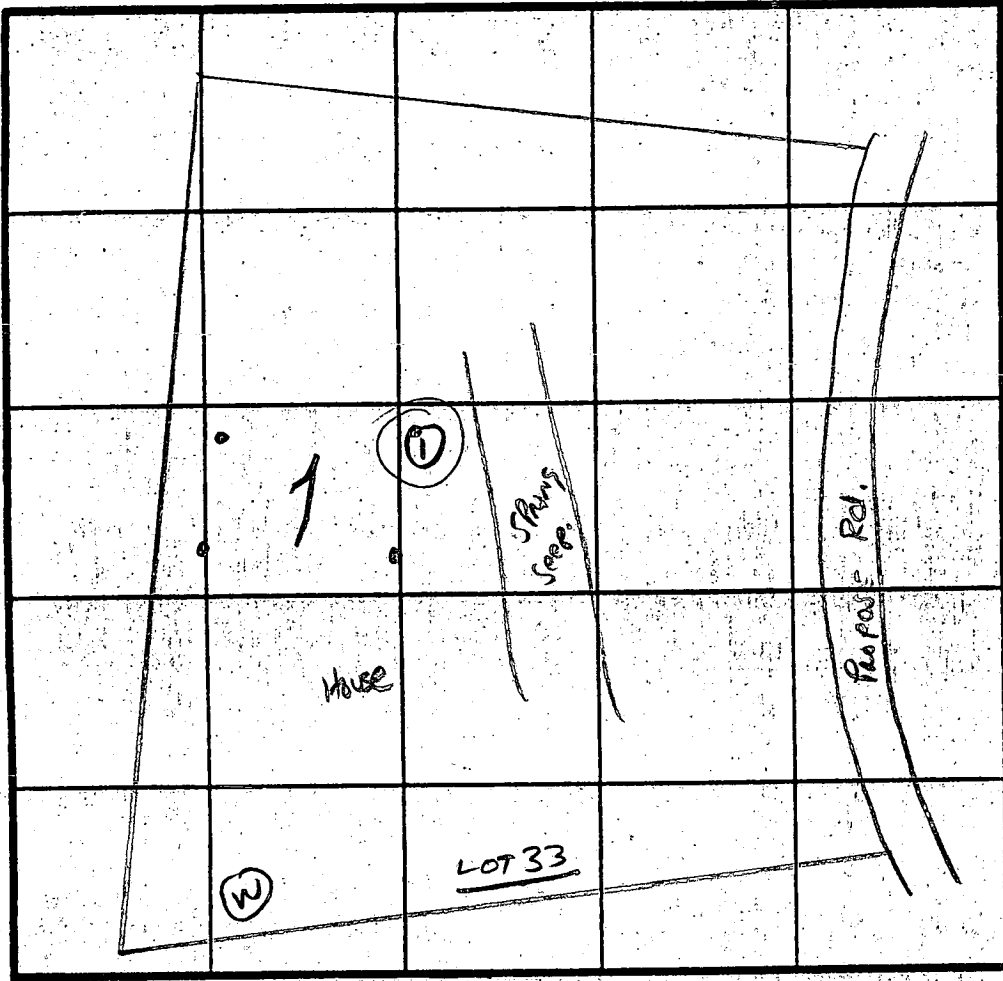
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7/20/87 Unavailable for perc - to be combined with # 35

THIS IS NOT A PERMIT

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Ivory Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME
			START	STOP	START	STOP	
7/28/87	1U	H ₂ O AT 7'	NEXT TO SPLUNG SLOPE		MOTTLED AT 4'		
		LOT TO be combined WITH 35					

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

00° 06" E

5884

5878

100 Year Floodplain, Drainage
and Utility
Easement

408.42

N 08° 21' 02" W

LOT 28
7.292 Acres

60' BRL

TANK & BOT
MOVED 10 FT
AWAY FROM
WELL

EXTRA TRENCH
ADDED TO MAKE UP FOR
HIGH TRENCH NOT DUG

Distribution Box
Ex Grd 612 20
Inv 608 70

4 BEDROOMS

WINDEMERE

Septic
Easement

1850 Gal Septic Tank
Ex. Grd 612 80

4 - 70' TRENCHES
3' Wide
10' Apart
5.5 Deep

Ex. Well
30' R

551.74'

628

239.83

612

B6

614

N

D

A

DAVID
310
616

100' R

30' BRL

N 38° 19' 50" W

30' BRL

100'

400'

BRL

CRYSTAL CLEAR

LOT 28

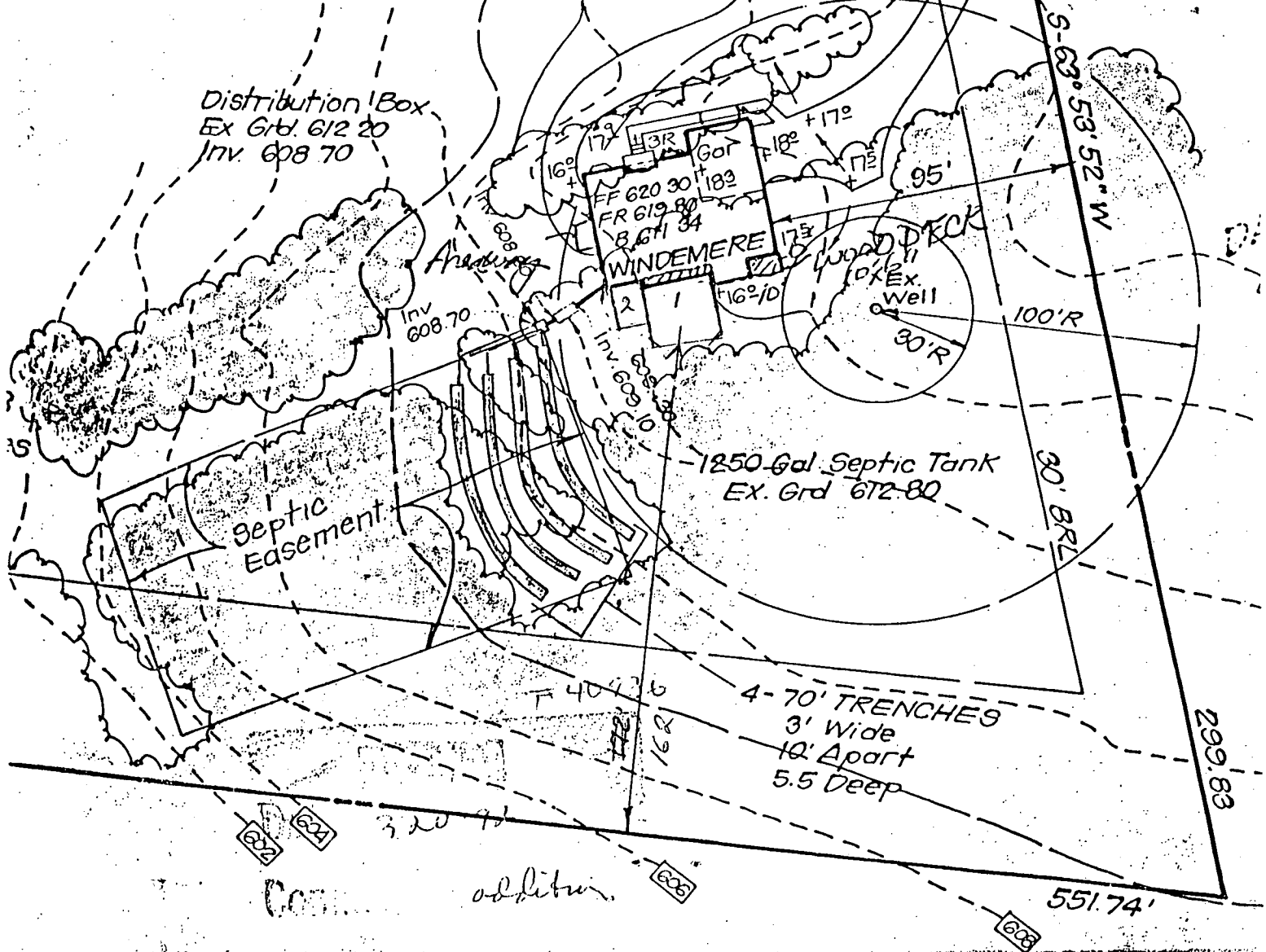
7.292 ACRES

Level 1 20' x 21'

Level 2 13' x 14'

1/193
OK TO SIGN
PLANS OK
BH
B04'6919

Distribution Box
Ex Grd. 612.20
Inv. 608.70



addition

SHEET

20' DRAINAGE AND UTILITY EASEMENT

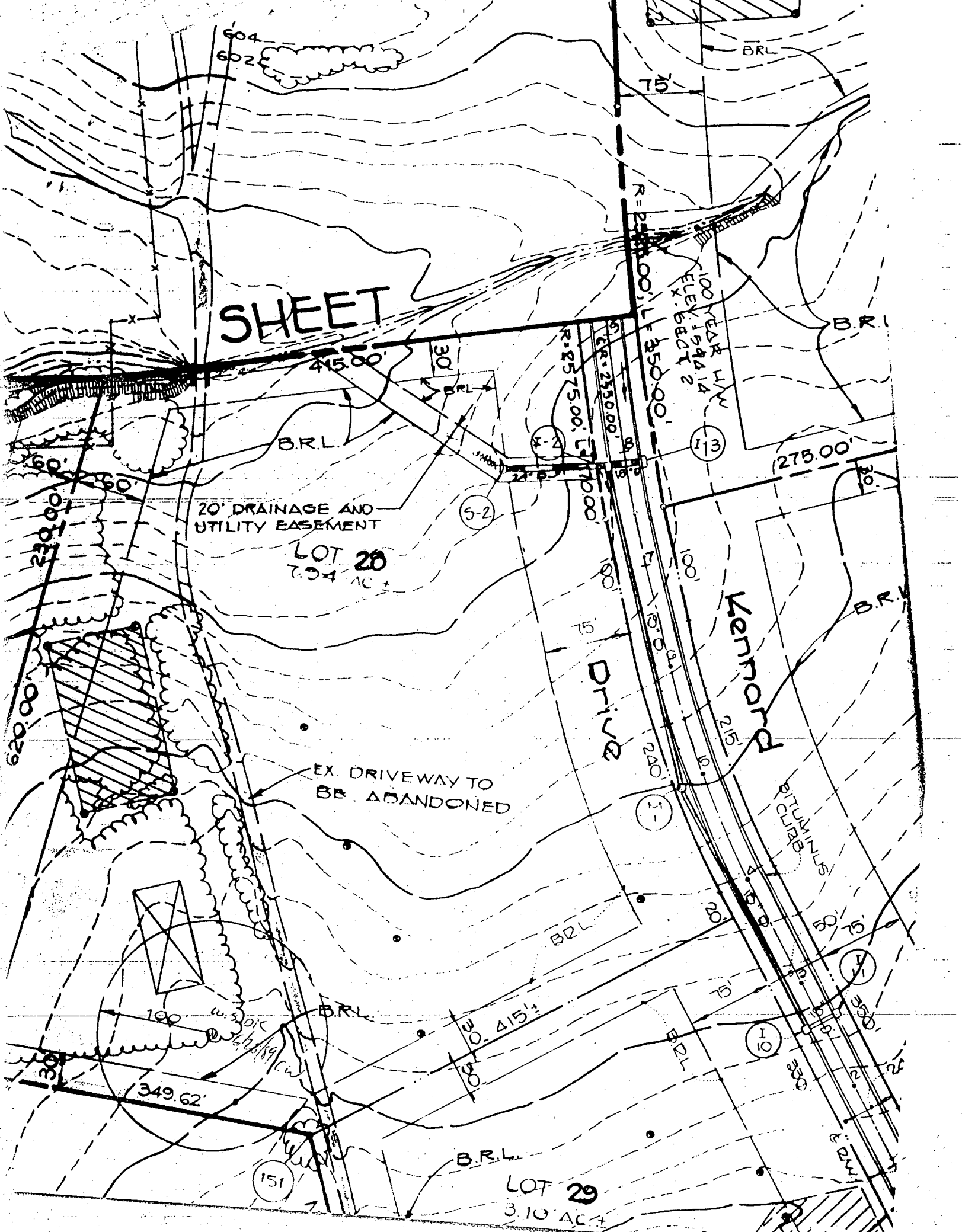
LOT 28
7.94 AC +

EX. DRIVEWAY TO BE ABANDONED

Kennard

BITUMINUS CLUB

LOT 29
3.10 AC +



B 1 9184

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-88-0813

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

please print or type

fill in this form completely

Date Received (APA)

052689

OWNER INFORMATION

GOSHEN LAND CO

21006 BRINK CT

GAITHERSBURG MD 20879

B 3

LOCATION OF WELL R 44414

HOWARD (30) 5/26/89

CRYSTAL CLEAR

SECTION LOT 28

CLENELG

MILES FROM TOWN (enter 0 if in town) 1 MI

DRILLER INFORMATION

George F. Easterday

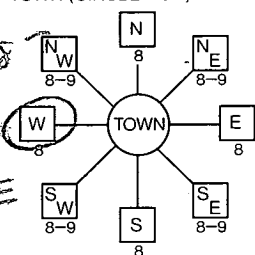
L. Franklin Easterday, Inc.

9265 Brown Church Rd., MT. Airy, Md. 21771

George F. Easterday 5-24-89

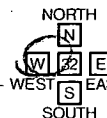
B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



13815 KENNARD DR

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



500 DISTANCE FROM ROAD

ENTER FT OR MI FT

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 28

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 580

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
Public or private water company
Test, observation, monitoring

APPROXIMATE DEPTH OF WELL 200 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

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 CW PERMIT No. HO-88-0813

SPECIAL CONDITIONS

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD A 39589

CRAIG WILLIAMS 1/3/90

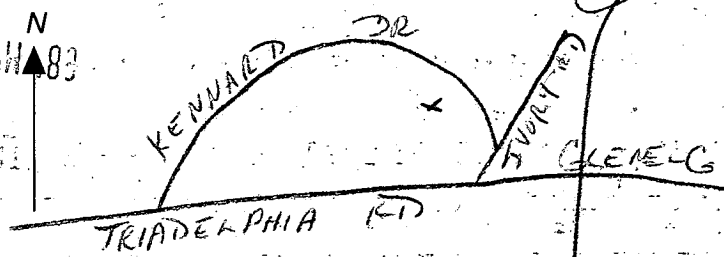
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

800 520

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



C1 9985

SEQUENCE NO. (DENV 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 39587

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE Received grid

DATE WELL COMPLETED grid: 072789

Depth of Well grid: 1160

PERMIT NO. grid: HO-88-0813

OWNER: GOSNEY LUMS CO. last name: GOSNEY first name: PAUL TOWN: GLENVIEW SUBDIVISION: CANTON CLAY SECTION: LOT: 28

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top soil, Clay, Brown shale, Sand Stone, Gypsum, Brown shale, Sand Stone, Gray mica.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT, BENTONITE CLAY, NO. OF BAGS: 70, NO. OF POUNDS: 25.00, GALLONS OF WATER: 185, DEPTH OF GROUT SEAL: 70 ft.

CASING RECORD: casing types insert appropriate code below. MAIN CASING TYPE: ST (STEEL), Nominal diameter: 6 inches, Total depth: 78 feet.

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

SCREEN RECORD: screen type or open hole insert appropriate code below. SCREEN TYPE: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER).

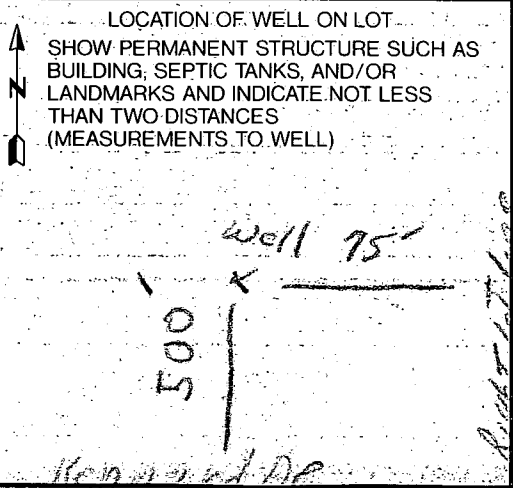
DEPTH (nearest ft.) grid: 1160. SLOT SIZE: 1, 2, 3. DIAMETER OF SCREEN: 56 to 60 inches.

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.

PUMPING TEST: HOURS PUMPED: 7, PUMPING RATE: 12 gal. per min. to nearest gal., METHOD USED TO MEASURE PUMPING RATE: Direct, WATER LEVEL: 16 ft. before pumping, 14 ft. when pumping, TYPE OF PUMP USED: S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), TYPE OF PUMP INSTALLED: S (submersible), CAPACITY: GALLONS PER MINUTE (to nearest gallon), PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT: 2 ft. below land surface.



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 IDENT. NO.: 410, DRILLERS SIGNATURE: Paul J. Gosney, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework-if different from permittee):

7/15/92
AM

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 X Replacement Receipt # 48349
 Name of Installer Ken Feaga Date 7/14/92
FEAGA Plumbing & Heating CO Telephone 465-1401
 License Number 6318 Certified Well Pump Installer Well Driller Registered Plumber X
 Name of Property Owner TRINITY HOMES Telephone 750-3655
 Subdivision CRYSTAL CLEAR Lot # 28 Well Tag # HO-88-0813
 Site Address 13185 HENKARD DR

Pump
 1. Type
 a. Deep well jet
 b. Shallow well jet
 c. Submersible ✓
 2. Make Goulds
 3. Model # SE305
 4. Capacity 5 GPM
 5. Pump exceeds well capacity Yes No X
 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 X

Motor
 1. Horsepower 1/2
 2. RPM 3470
 3. Voltage
 a. 110
 b. 220 X

Pitless Adapter
 1. Make
 2. Model #
 3. Depth

Tank
 1. Capacity #203
 2. Pressure relief valve? YES

Piping
 1. Type P.E
 2. Size 1/2
 3. NSF and/or BOCA Code approved
 4. Depth of supply line 160ft

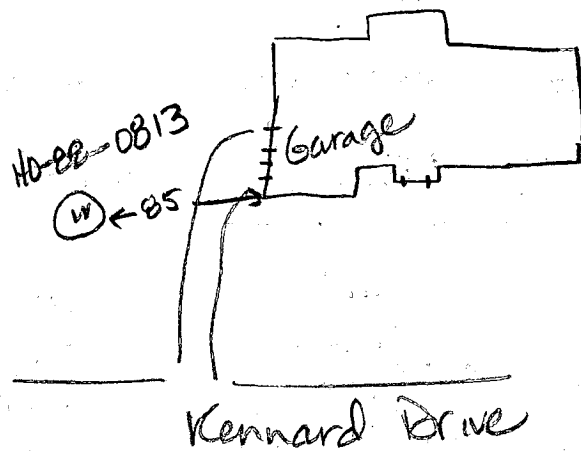
Well data
 1. Depth 175 ft.
 2. Yield GPM
 3. Static water level ft.
 4. Will water supply be disinfected by installer? YES

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: *Benny Feaga*
 Date: 7/14/92

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

7/15/92
JEN



7-15-92 Line completed & stone graded for driveway yesterday. Well covered completely to grade. Ground line connected. House connection ok. Pump tank in place. Relief valve ok. JENadeau

7-17-92 Spoke to Ken Feaga re: covering well line without notification to Health upon completion. Pitless adaptor is 48 inches below grade and well line is 36 inches below grade according to Feaga. JENadeau