

3-31-88 Final
3:00 pm
4/4/88 AM
4/41

OS-402352

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

P 41245

A 34803

DISTRICT 5th

DATE 3/22/88

DATE SYSTEM APPROVED 4/4/88

INSPECTOR RH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

C. C. Cissel IS PERMITTED TO INSTALL X ALTER

ADDRESS 14079 Brighton Dam Road, Clarksville, MD 21029 PHONE 854-2006

SUBDIVISION Chapel Woods ROAD 11812 Linden Chapel Rd LOT 3, Area 1

PROPERTY OWNER ~~James R. Newburn~~ Chapel Woods Construction Co., Inc. Carpenter

ADDRESS _____

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

GARBAGE GRINDER? YES X NO _____

SEPTIC TANK CAPACITY 2000 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 275 sq. ft. per bedroom with garbage disposal. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.

LOCATION - Place the distribution box 80 feet from the front lot line and 100 feet from the right (515') lot line as seen when facing the lot from Linden Church Road. Run trenches on contour toward the right lot line.

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

PLANS APPROVED BY S. Abel DATE 1/09/87

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 TRENCH(IES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(IES).

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.

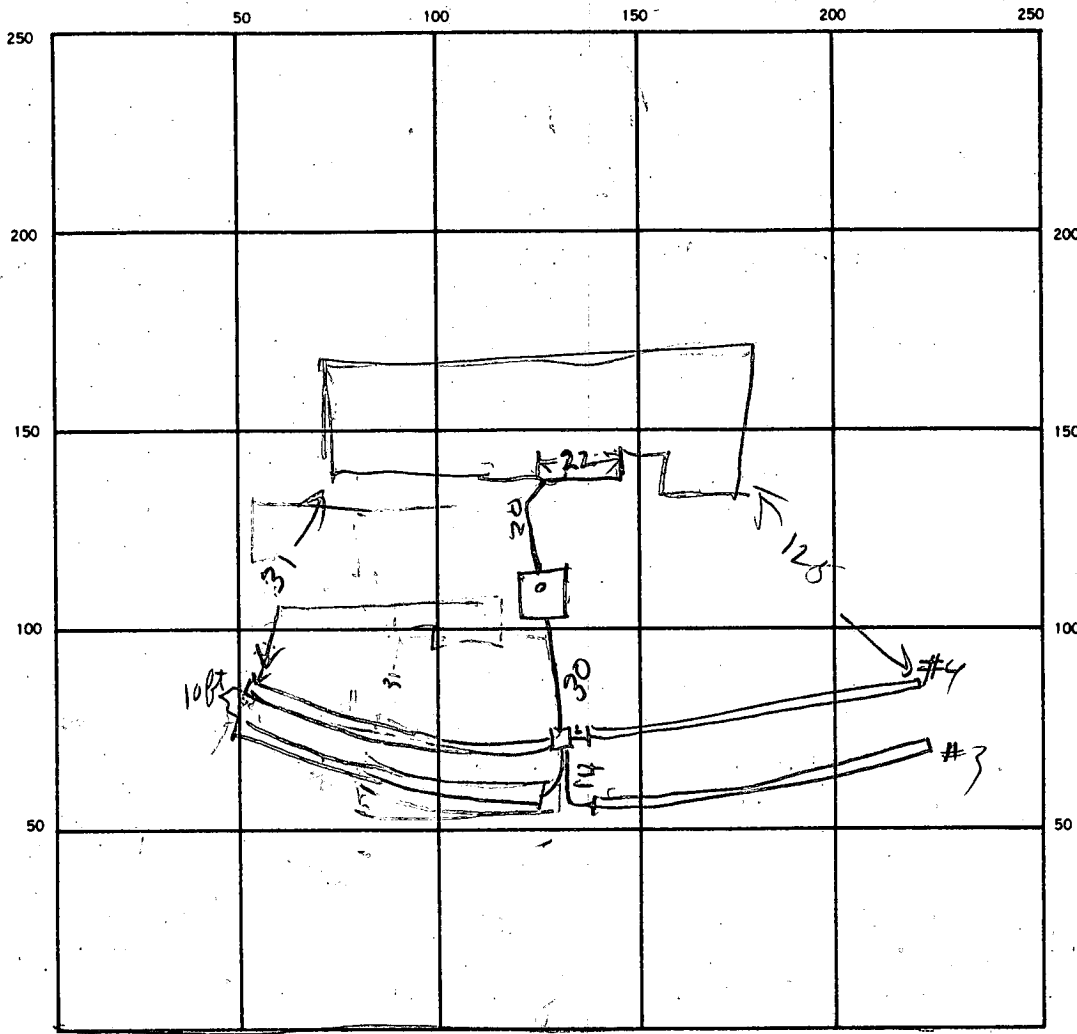
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 34803



275
1100

1298
96
814
1025
386
2
1758

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

SEPTIC TANK LEVEL 2000 CLEANOUTS ST MANHOLE

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD DEPTH

1	2
6	6

 FT. TRENCH WIDTH

1 1/2	3
3	3

 FT. INLET DEPTH

1 1/2	3	4
6	6	4

 FT.

EFFECTIVE GRAVEL DEPTH

1	2
2.5	2.5

 FT. TOTAL LENGTH

9	8	9	6	8	7	10	5
							386

 FT. INSTALL REQUIRE
NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 158 sq. ft.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 3/3/88 - LOCATION OK. TRENCH #1 & #2 OK - DIG TRENCHES
#3 & #4 & PUT CLEANOUT ON TANK & CALL RH
COVER TANK & TRENCH #1 & #2 RH

DATE SYSTEM APPROVED 4/4/88 INSPECTOR Raymond Dodge

APPLICATION

34803

A ~~34803~~

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

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

DISTRICT 5

DATE Jan. 8 1985

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 Newburn Development Corporation

Suite 201, 5570 Sterrett Place

ADDRESS Columbia, Maryland 21044

997-3815

596-3877

PHONE _____

PROPERTY LOCATION

Chapel Woods Const. Co. Inc. LOT 3 AREA I

ON FINAL
Act 3 on file
F-80-10-10
10-10-85

SUBDIVISION

Chapel Woods, Inc. 2

LOT NO. ~~7~~ ~~8002~~

ROAD AND DESCRIPTION

11812 Linden Chapel Road

SIZE OF LOT

3-acre

TYPE BLDG.

single family res.

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

James L Newburn

APPROVED BY

Sidney Alw

FOR

Shallow tile field

DATE

1-9-87

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

PERC. OK, WATER IN ONE HOLE, HOLD FOR REVIEW AND

CERTIFIED HOLE PLAT, HOUSE AND WELL SITE 2-16-85 87A

BLDG. PERMIT SIGNED

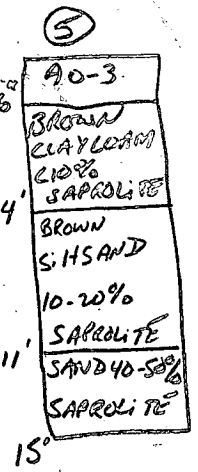
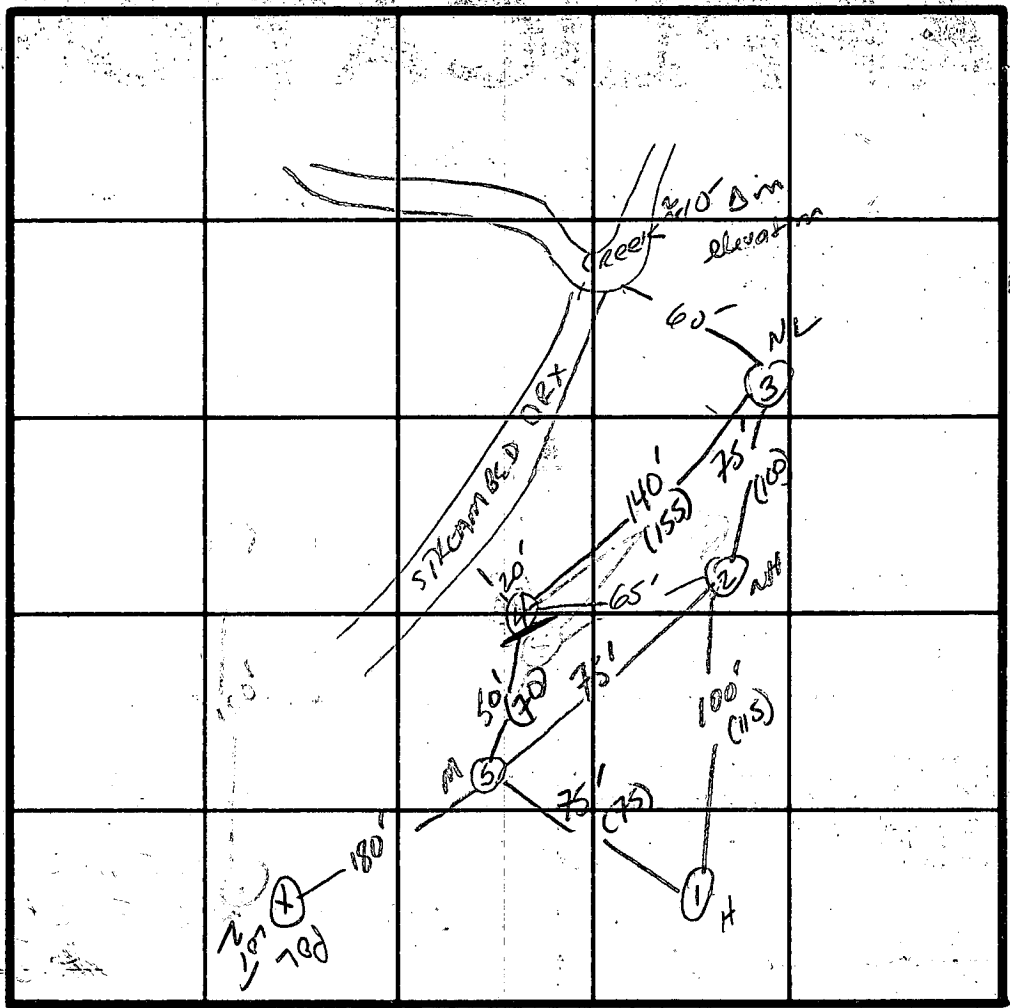
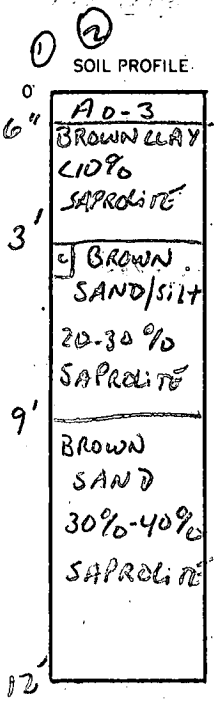
AND RETURNED

8.4/22/87

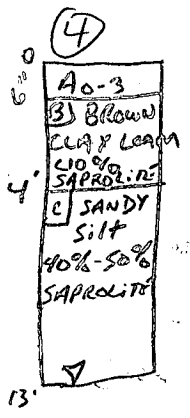
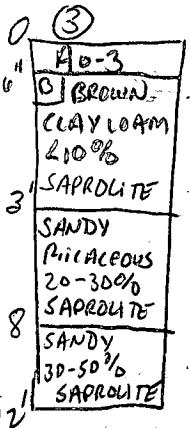
BP#11280

SAW

THIS IS NOT A PERMIT



DISTANCE HOLE 3 TO 5



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
Rt 108

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2/13/85	1S	4'	12:02	12:07	12:07	12:17	10min
	1V	12'	UNIFORM SOIL STRUCTURE FROM 3'				
	2S	4'	12:13	12:20	12:20	12:35	15min
	2V	12'	UNIFORM SOIL STRUCTURE below 4'				
	3S	4'	1:36	1:37	1:37	1:40	3min
	3V	12'	UNIFORM SOIL STRUCTURE below 3ft				
Water	4S	4.5'	1:44	1:56	1:56	2:22	26min
	4V	13'	WATER AT 13' SANDY SOIL ABOVE				
	5S	3'	2:00	2:00	2:00	2:20	20min
	5V	15'	NO H2O AT 15' UNIFORM SOIL STRUCTURE below 4'				

REMARKS H₂O in hole # 4 AT 13 FE AFTER OPEN 3.5 hrs.

TYPE OF SOIL Sandy

TESTED BY S. Abel

WOODY, ERIC
ALSO PRESENT DEBRA, FRANK

B 1 **1503** SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

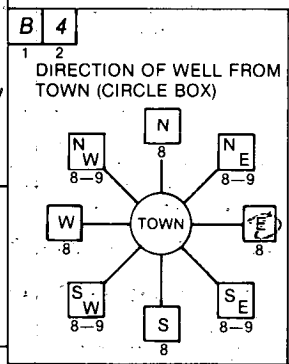
STATE OF MARYLAND PERMIT TO DRILL WELL
 please print or type

OEP PERMIT NUMBER **40-81-1852**
 fill in this form completely

OWNER INFORMATION
 Date Received: [] [] [] [] [] []
 15 Last Name: **NEWKAM** 16 DEVELOPMENT 17
 36 Street or RFD: **5520 STARKETT BLVD** 35
 57 Town: **COLUMBIA** 70 State 72 Zip: **21044** 76

LOCATION OF WELL
 8 COUNTY: **HOWARD** 21
 23 SUBDIVISION: **CHERRY WOODS** 42
 SECTION: **2** 44 46 LOT: **3** 48 50
 52 NEAREST TOWN: **CLARKSVILLE** 71
 MILES FROM TOWN (enter 0 if in town): **1 1/2** MI 73 76 77 78

DRILLER INFORMATION
 Driller's Name: **Joseph L. Wagner** 77 License No. **238** 80
 Firm Name: **Joseph L. Wagner Well Drilling Inc**
 Address: **5512 Ridge Rd. Mt. Airy Md. 21771**
 Signature: **Joseph L. Wagner** Date: **11/7/86**



11 **Finch Chapel Road** **30**
 NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 34 **190** 37
 DISTANCE FROM ROAD
 ENTER FT or MI **FT** 38 39

B 2 **WELL INFORMATION**
 APPROX. PUMPING RATE (GAL. PER MIN.): **5** 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): **500** 14 20

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
 County Name: **Howard** County No.: **A34803**
 OEP SIGNATURE: _____ STATE HEALTH INSERT S _____
 DATE ISSUED: **010887** CO SIGNATURE: **Cornwallan** EXP. DATE: **7/8/87**
 NORTH GRID: **507000** EAST GRID: **0821000**

APPROXIMATE DEPTH OF WELL: **269** FEET 24 28

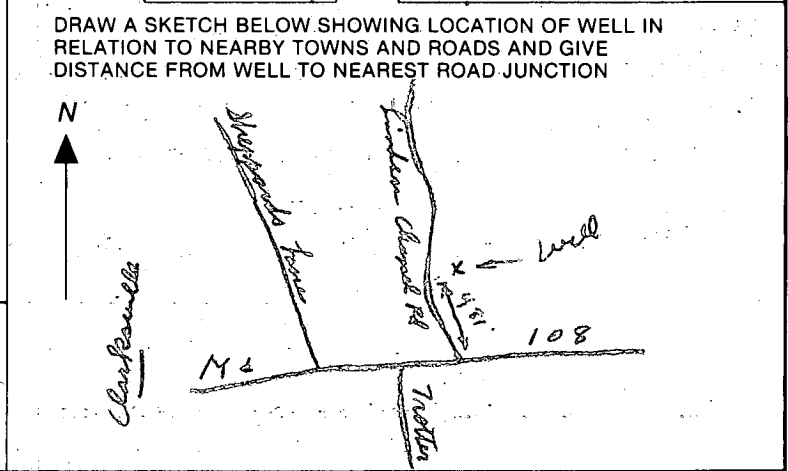
APPROXIMATE DIAMETER OF WELL: **6** INCH NEAREST INCH

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

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE): [] [] [] [] [] [] [] [] [] []

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER: []
 FORCE **1.5** WRITE INITIALS IN BOX **MS** PERMIT No. **40-81-1852**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER:
 1. WELL
 2. _____
 3. _____
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E: **8291**
 N: **5087**
 11/9/87

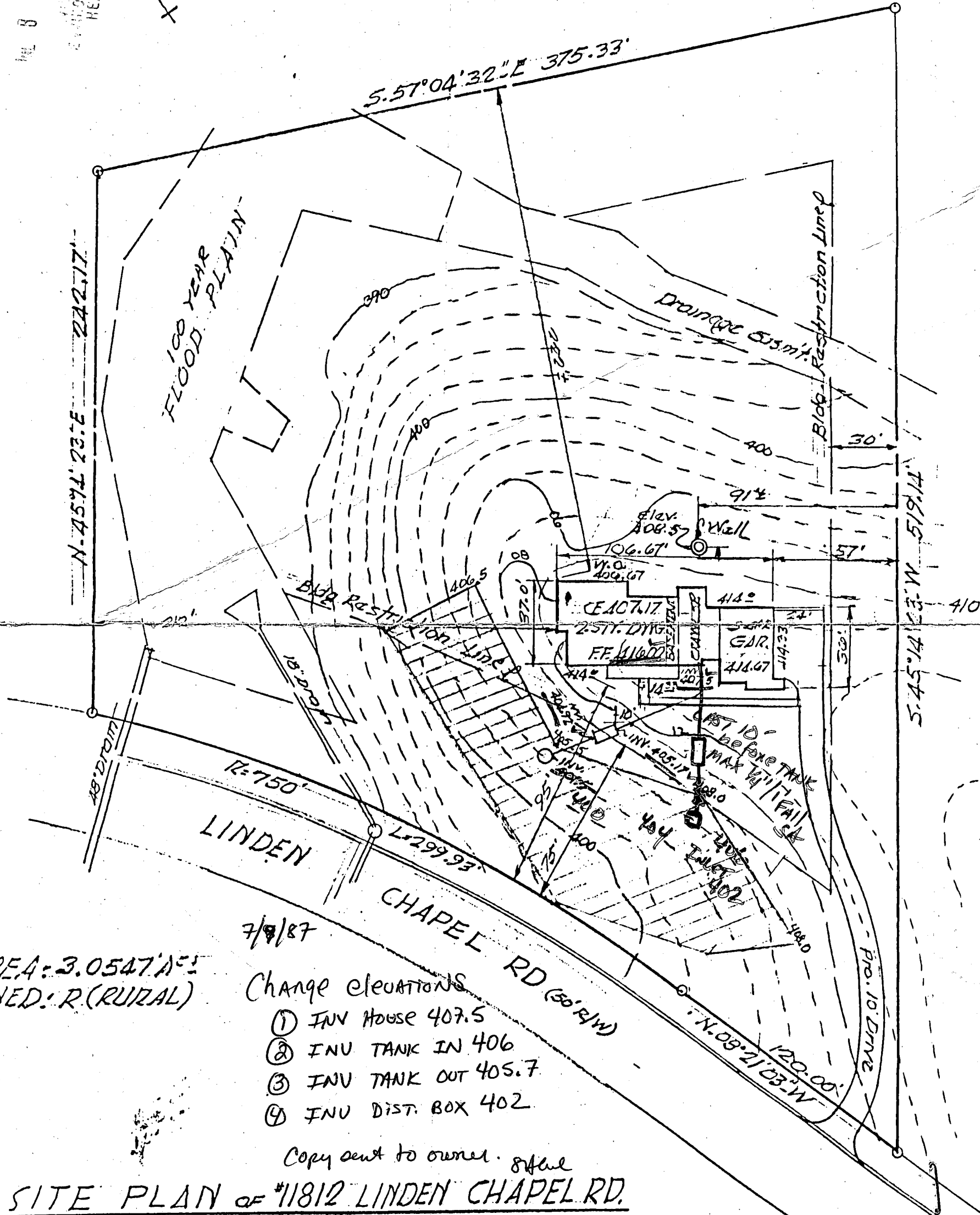
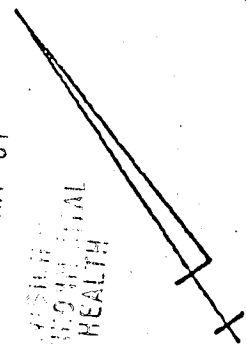


SPECIAL CONDITIONS

RECEIVED
HOWARD COUNTY
HEALTH DEPT

JUL 8 8 47 AM '87

HEALTH DEPT



AREA: 3.0547 A^c
ZONED: R (RURAL)

7/9/87

Change elevations

- ① INV HOUSE 407.5
- ② INV TANK IN 406
- ③ INV TANK OUT 405.7
- ④ INV DIST. BOX 402

Copy sent to owner. 8/1/87

SITE PLAN OF #11812 LINDEN CHAPEL RD.

LOT #3 - SEC. 2 - AREA 1

CHAPEL WOODS REC PLAT #6954

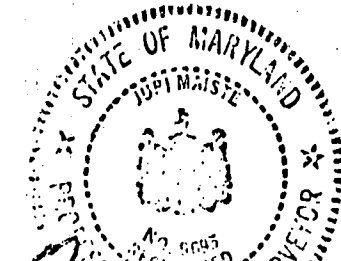
5TH DIST. - HOWARD CO., M.D.

BLDG. PERMIT SIGNED
AND RETURNED 7/19/87

S.W.W.
BP 11280

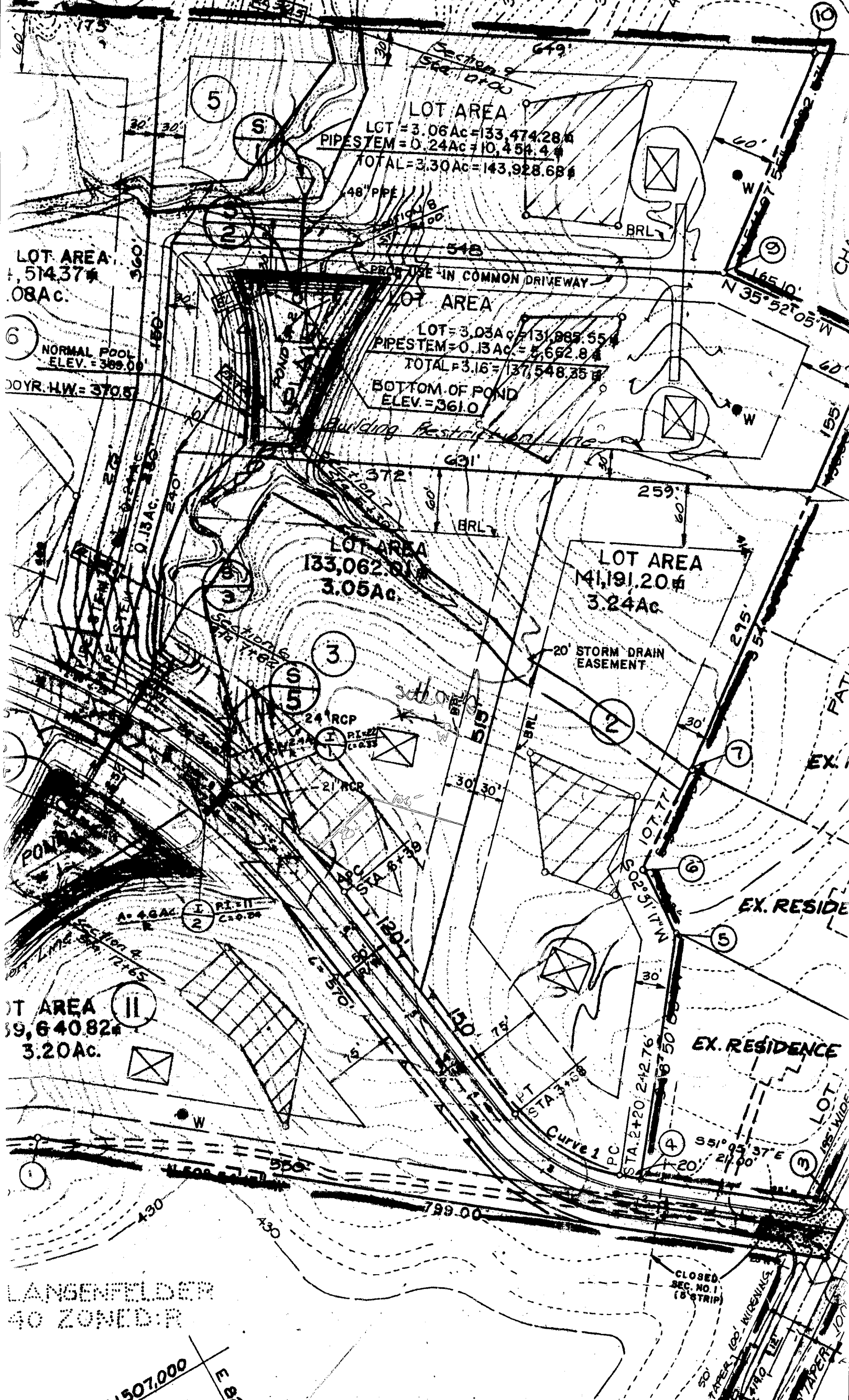
of w/ change

REVISED 6/30/87 - WALKOUT BASEMENT
REVISED: 6/19/87 - HOUSE TYPE



MAISTE & WATTS
SURVEYORS
ENGINEERS 882-0321

DATE: 6/19/87 SCALE: 1" = 40'



LOT AREA
 LGT = 3.06 Ac = 133,474.28 sq ft
 PIPESTEM = 0.24 Ac = 10,454.4 sq ft
 TOTAL = 3.30 Ac = 143,928.68 sq ft

LOT AREA
 514.37 Ac.

LOT AREA
 LGT = 3.05 Ac = 131,985.55 sq ft
 PIPESTEM = 0.13 Ac = 5,652.8 sq ft
 TOTAL = 3.16 Ac = 137,548.35 sq ft
 BOTTOM OF POND
 ELEV. = 361.0

LOT AREA
 133,062.81 sq ft
 3.05 Ac.

LOT AREA
 141,191.20 sq ft
 3.24 Ac.

LOT AREA
 139,640.82 sq ft
 3.20 Ac.

LANGENFELDER
 40 ZONED R

N 507.000
 E 621.000

CLOSED
 SEC. NO. 1
 (8' STRIP)

100' WIDE ALLEYS
 10' WIDE TRAIL
 10' WIDE TRAIL

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **01/28/77** Depth of Well **184** (TO NEAREST FOOT) FROM "PERMIT TO DRILL WELL" **10-81-1852**

OWNER **DEVELOPMENT NEWBORN** STREET OR RFD **LIBERTY CHAPEL ROAD** TOWN **CLARKSVILLE** SUBDIVISION **CHAPEL WOODS** SECTION **2** LOT **3**

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		Check if water bearing
	FROM	TO	
SANDstone	23		
Coarse Gravel	23	184	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL
CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **6** NO. OF POUNDS **36**

GALLONS OF WATER **36**

DEPTH OF GROUT SEAL (to nearest foot)
from **0** ft. to **23** ft.

CASING RECORD
casing types insert appropriate code below

ST CO STEEL CONCRETE
PL OT PLASTIC OTHER

MAIN CASING TYPE **SA** Nominal diameter (nearest inch) **2** Total depth of main casing (nearest foot) **27**

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

SCREEN RECORD
screen type or open hole insert appropriate code below

ST BR HO STEEL BRASS OPEN HOLE
PL OT PLASTIC OTHER

C2

DEPTH (nearest ft.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

SLOT SIZE 1 [] 2 [] 3 []

DIAMETER OF SCREEN [] [] [] [] (NEAREST INCH)

GRAVEL PACK from [] to []

IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX **68**

OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) **WO**

70 [] 72 [] 74 [] 75 [] 76 []

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) **3**

PUMPING RATE (gal. per min. to nearest gal.) **12**

METHOD USED TO MEASURE PUMPING RATE **water**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **92**

WHEN PUMPING **43**

TYPE OF PUMP USED (for test)

A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
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 **29**

CAPACITY: GALLONS PER MINUTE (to nearest gallon) [] [] [] [] [] []

PUMP HORSE POWER [] [] [] [] [] []

PUMP COLUMN LENGTH (nearest ft.) [] [] [] [] [] []

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE **2** (nearest foot)
- below }

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.

E ELECTRIC LOG OBTAINED

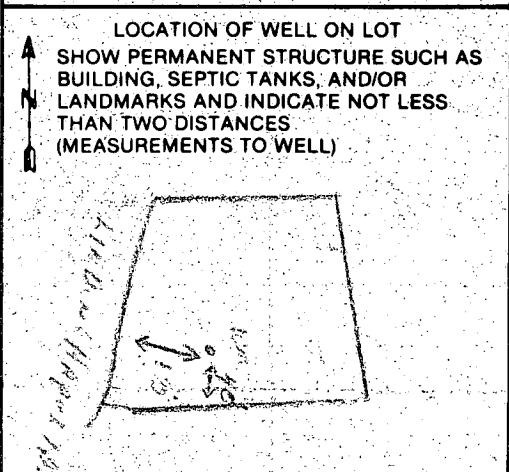
P TEST WELL CONVERTED TO PRODUCTION WELL

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. **228**

DRILLERS SIGNATURE **Michael P. Mays**

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



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 # 411481
Date 4/11/88

Name of Installer ROBERT L. FEETER CO., INC.

Telephone 781-4655

License Number 2122

Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner CHAPEL WOODS CONSTRUCTION CO. Telephone 531-5409

Subdivision CHAPEL WOODS Lot # 3 Well Tag # 10-81-1092

Site Address 11812 LINDEN CHAPEL DR. 1252

Pump

- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
- Make DEWALT/GERMANY
- Model # 3ALN
- Capacity 12 GPM
- Pump exceeds well capacity Yes No
- If Yes, is low pressure cutoff switch installed? Yes No
- What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

Motor

- Horsepower 1/2
- RPM 3450
- Voltage
 - 110
 - 220

Pitless Adapter

- Make METCALC
- Model # M15-10
- Depth 42"

Tank

- Capacity CAPTIVE AIR 12 GPM
- Pressure relief valve? YES

Piping

- Type POLY.
- Size 1"
- NSF and/or BOCA Code approved YES
- Depth of supply line 42' +

Well data

- Depth 184 ft.
- Yield 12 GPM
- Static water level ft.
- 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. Feeter R. L. F. Co. INC.

Date: 4/11/88

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

4/7/88
IK TO COVER OUTSIDE WORK
HD-215 STICKER PUT ON WELL PRESSURE TANK CAN BE CHECKED LATER RH