

6/11/87
11 AM
6/14/87
MM

05-401402

PERMIT

P 38921
A 34697B

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH DISTRICT _____

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

DATE 3/12/87

DATE SYSTEM APPROVED 6-16-87

INSPECTOR S. Abel

{ I.C.O.P. issued only
Time expired }

T & R Plumbing & Heating, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 11974 Scaggsville Road, Fulton, Maryland 20759 PHONE 725-2392

SUBDIVISION Huntington Manor Estates ROAD 12808 Brighton Dam Rd LOT 8

PROPERTY OWNER United General Contractors

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 - 187 sq. ft. per bedroom. 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 - Beginning from the right rear lot corner, place 1st trench 255 feet down the rear (488.28') line and 30 feet off the rear lot line as seen when facing property from Brighton Dam Road. Run trenches along contour towards the front (596.41') 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

* TRENCH AREA TO BE COMPUTED ON 3' BOTTOM AREA ONLY.

PLANS APPROVED BY B. Nixon DATE 1/2/87

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(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 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.

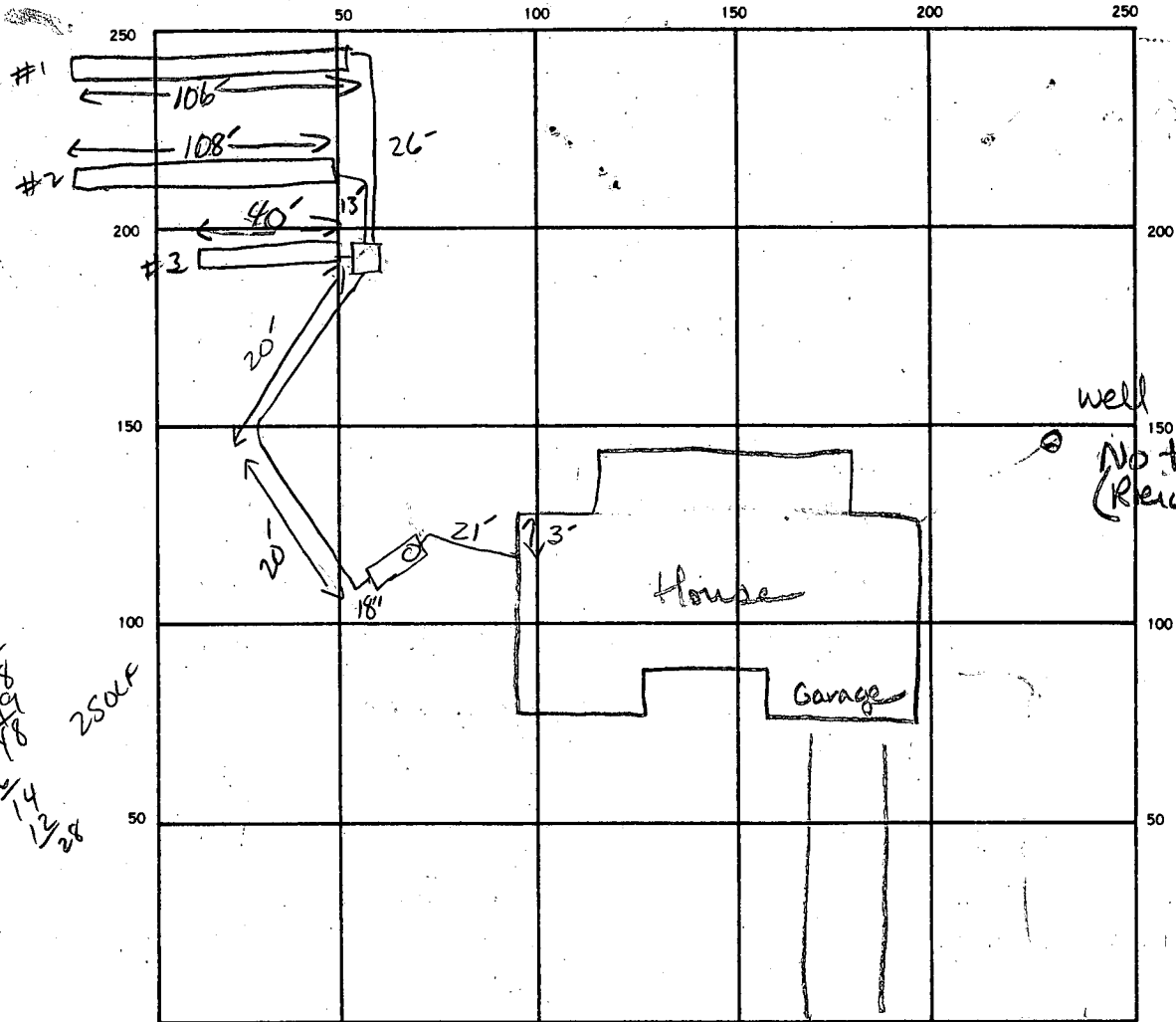
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 34697B



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

Brighton Dam Road

SEPTIC TANK. LEVEL 1500 gal CLEANOUTS ✓ST

DISTRIBUTION BOX. LEVEL ✓

DRAIN FIELD (TILE FIELD) DEPTH 5.5' FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5' FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 106-108-40 FT. TOTAL 254

NUMBER OF TRENCHES 3 ONE SIDEWALL (BOTTOM AREA) 762 SQ. FT.

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

ABSORBENT AREA 762 SQ. FT.

REMARKS OK to cover tanks if both ends are left open to verify connection. OK to install S.T. 9/0 - 6-11-87 JEN/BN

DATE SYSTEM APPROVED 6-16-87 INSPECTOR S. Abel

1/2/87

HUNTINGTON MANOR ESTATES

A 34697

DIVISION:

SECT 3

LOT NUMBER:

8 (ORIGINAL LOTS)

BRIGHTON DAM RD

DRY WELL OR DRY WELL AND TRENCH

sq. ft./bedroom

	Septic Tank	Minimum Total square Feet
3 bedroom	1000 gallon	
4 bedroom	1250 gallon	
5 bedroom	1500 gallon	

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ 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 _____ feet of stone below distribution pipe.

TRENCHES

187 sq. ft./bedroom

Trench to be 3 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.

- 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: BEGINNING FROM THE RIGHT REAR LOT CORNER, PLACE
1ST TRENCH 255' DOWN THE REAR (488.28') LINE AND
30' OFF THE REAR LOT LINE AS SEEN WHEN FACING PROPERTY
FROM BRIGHTON DAM RD. RUN TRENCHES ALONG CONTOUR
TOWARDS THE FRONT (596.41') LOT LINE.

B 7 **5014** 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

H0-81-1834
fill in this form completely

Date Received

8 13

OWNER INFORMATION

United General Contr
15 Last Name 34 Owner First Name

8370 Court Ave Suite 204
36 Street or RFD 55

Ellicott City MD 21043
57 Town 70 State 72 Zip 76

DRILLER INFORMATION

Robert W. Reichart 77 License No. **80**
353

Wm. W. Reichart Inc
Firm Name

1775 Baltimore St Hanover PA 17331
Address

Robert W. Reichart **11/6/87**
Signature Date

LOCATION OF WELL

B 3 **Howard**
8 COUNTY 21

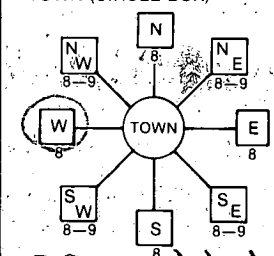
Huntington Manor
23 SUBDIVISION 42

SECTION **3** LOT **8**
44 46 48 50

Clarksville
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) **1** **M**
73 76 77 78

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Brighton Dam Rd
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



425
34 DISTANCE FROM ROAD 37

ENTER FT or MI **FT**
38 39

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

Howard COUNTY NAME COUNTY NO. **234697**

OEP SIGNATURE **M. Stayer** STATE HEALTH INSERT S

DATE ISSUED **01/20/87** EXP. DATE **7/20/87**

NORTH GRID **499000** EAST GRID **0811000**
50 55 57 63

APPROXIMATE DEPTH OF WELL **550** FEET
24 28

APPROXIMATE DIAMETER OF WELL **6** 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 _____ GAP _____

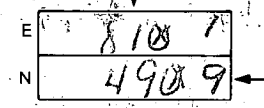
FORCE **AS** INITIALS IN BOX PERMIT No. **H0-81-1834**
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

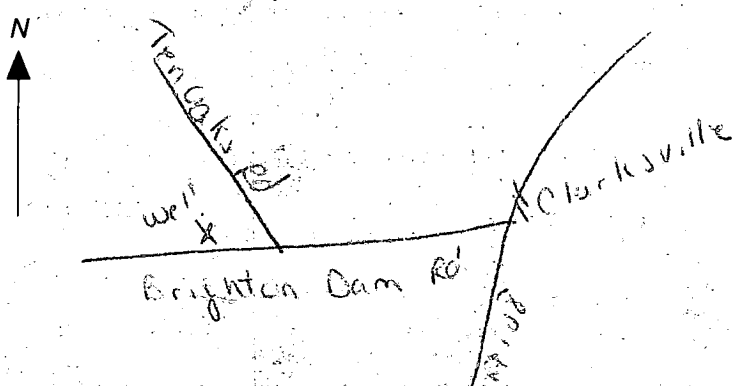
- SOURCES OF DRILLING WATER
- 1. **Approved well**
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE



Location OK
8 1/2' casing
1 - above
50' open
25' bag cement
1/20/87 JS

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



5/1/87 - NMM

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

Howard County Health Department
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Court House Square
Ellicott City, Md. 21043
461-9933

WELL + SEPTIC

4 ROOM NO. GARAGE

New Installation X
Replacement _____

Receipt # 28920
Date 3-9-87

Name of Installer TIMOTHY S. ROLLMAN

Telephone 725-2392

License number 7079

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner UGC

Telephone 410-2227

Subdivision HUNNINGTON MANOR Lot # 2 Well tag # _____

Site Address 12808 BRIGANTON DAM RD
CLARKSVILLE, MD. 21029

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible X

Motor

- 1. Horsepower _____
- 2. RPM _____
- 3. Voltage _____
 - a. 110 _____
 - b. 220 X

Pitless Adapter

- 1. Make HARVARD
- 2. Model # _____
- 3. Depth 4'

- 2. Make JACUZZI
- 3. Model # _____
- 4. Capacity 10 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 _____

Tank

- 1. Capacity 42 gal. equiv.
- 2. Pressure relief valve? YES

Piping

- 1. Type CRESTLON
- 2. Size 1"
- 3. NSF and/or BOCA Code approved YES
- 4. Depth of supply line 4'

Well data

- 1. Depth 48' ft.
- 2. Yield 10 GPM
- 3. Static water level _____ ft.
- 4. Will water supply be disinfected by installer? YES

Well Line + Pitless AT 48-11; Pump Insulated w/ relief valve SAGE 8-1-87

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: [Signature]

Date: 3-9-87

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

C1 3839

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-34697

DATE RECEIVED

8 13

DATE WELL COMPLETED

15 20 12027

DEPTH OF WELL

22 26 125 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

28 29 30 31 32 33 34 35 36 37 10-01-1824

OWNER

CONTRACTORS

UNITED

STREET OR RFD

BRIGHTON DAM RD

FIRST NAME

TOWN CLARKSVILLE

SUBDIVISION

HUNTINGTON MANOR

SECTION

3

LOT 8

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

Table with 3 columns: Description, Feet (From, To), and Check if water bearing. Rows include: 0-69' coarse sand & gravel, 69-84' gray schist water, 84-104' clay schist water, 104-125' clay schist.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate Box) YES (Y) NO (N)

TYPE OF GROUTING MATERIAL

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 25 NO. OF POUNDS 2400

GALLONS OF WATER 175

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 50 ft. (enter 0 if from surface)

CASING RECORD

ST CO STEEL CONCRETE PL OT PLASTIC OTHER

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

ST 6 10 60 61 63 64 66 70

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

screen type or open hole

SCREEN RECORD

ST BR HO STEEL BRASS OPEN HOLE PL OT PLASTIC OTHER

C 2

DEPTH (nearest ft.)

Table for screen depth with columns for depth and screen size.

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

from to

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

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

70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 4 1/2

PUMPING RATE (gal. per min. to nearest gal.) 10

METHOD USED TO MEASURE PUMPING RATE water bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 25

WHEN PUMPING 30

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

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

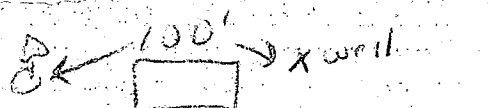
PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

LAND SURFACE: 7 (nearest foot)

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. 353

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

FIELD DATA SHEET
TY WELL YIELD TEST

Well Permit No. HO - 81-1834
 Location of property (road) TEN OAKS RD
 Subdivision HUNTINGTON MANOR Lot 8 Block Plat Sec. 23
 Well Driller Wm. W. Reichart, Inc Owner CONTRACTORS, UNITED

Depth of well 125'
 Distance of measuring point (M.P.) above ground surface
 Static water level (S.W.L.) below M.P. 25'

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 AM Pumping rate 10 gpm
 Total time 15 min to reach pumping water level 30 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	25'	30 sec		10
8:45	30'			
9:00				
9:15				
9:30				
9:45				
10:00				
10:15				
10:30				
10:45				
11:00				
11:15				
11:30				
11:45				
12:00				
12:15				
12:30				
12:45	↓	↓		↓
1:00	30'	30 sec		10

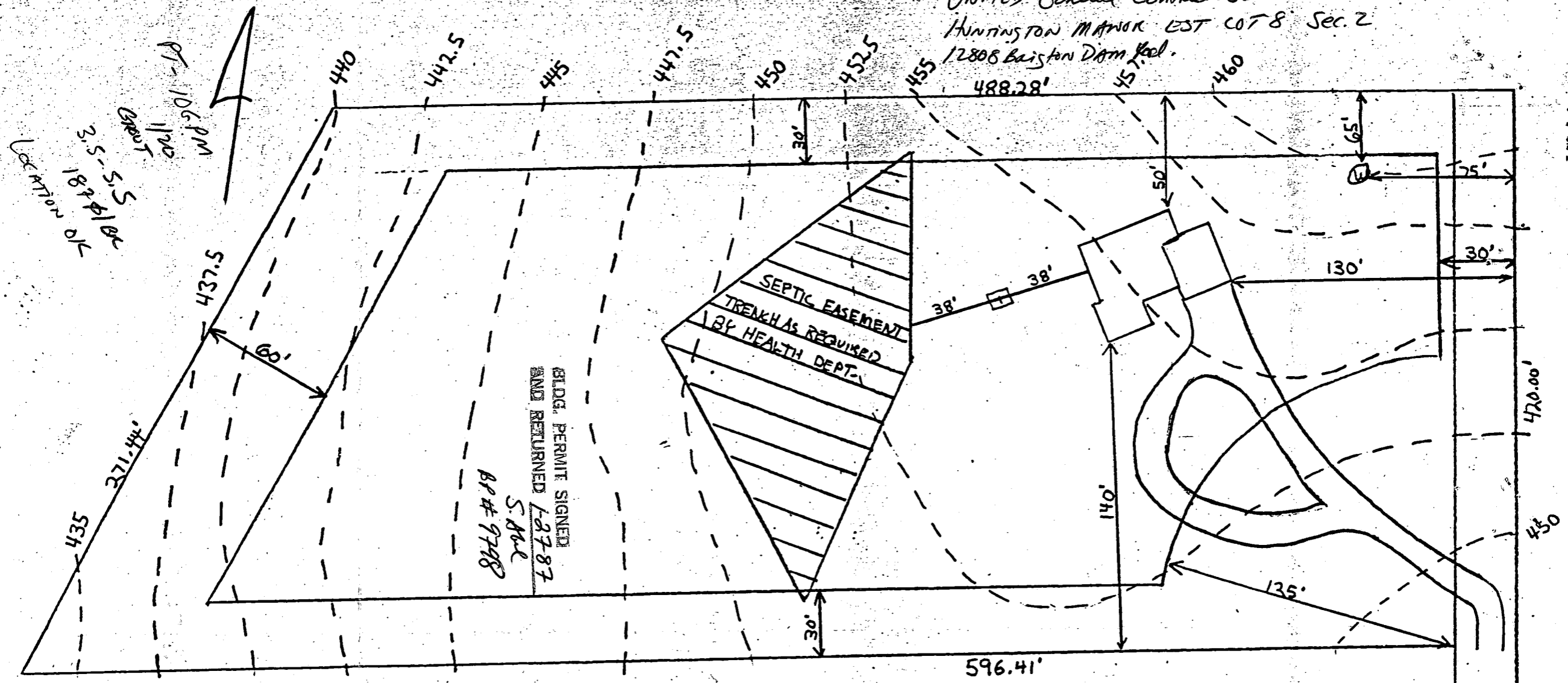
8 1/2 casing

50' + open

25 bags cement

...

UNITED General Contractors.
 HUNTINGTON MANOR EST LOT 8 Sec. 2
 12808 Brighton Dam Rd.
 488.28'



Lot #8 Huntington Manor Estates
 12808 Brighton Dam Rd.
 Clarksville. MD 21029

ELEVATIONS

HOUSE
 F.F. 458.00 ✓
 BASE. 448.00 ✓
 INV. OUT. 452.00 ✓

TANK
 EX. GR. 454.00 ✓
 FIN. GR. 454.00 ✓
 INV. IN. 451.00 ✓
 INV. OUT. 450.60 ✓

TRENCH
 EX. GR. 453.00 ✓
 FIN. GR. 453.00 ✓
 INV. IN. 449.60 ✓

BRIGHTON DAM RD.