

8/18/88 AM

File

N 3001

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

04-315030
INDEXED

P 42181

A 37641

DISTRICT 4th

DATE 7/27/88

DATE SYSTEM APPROVED 8/8/88

INSPECTOR C.B.V.

Olen Ketterman IS PERMITTED TO INSTALL ALTER

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Twin Maples ROAD 16970 Frederick Rd LOT 5, 6, & 7

PROPERTY OWNER David Haugh *Van Poplar Springs*

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

540 TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Start the first trench 135 feet from the front lot line and 110 feet from the left lot line as seen when facing the property from Route 144. Run trench(s) along contour toward rear of property being certain to remain at least 100 feet from any well.

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 C. Williams DATE 12/10/86

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: 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.

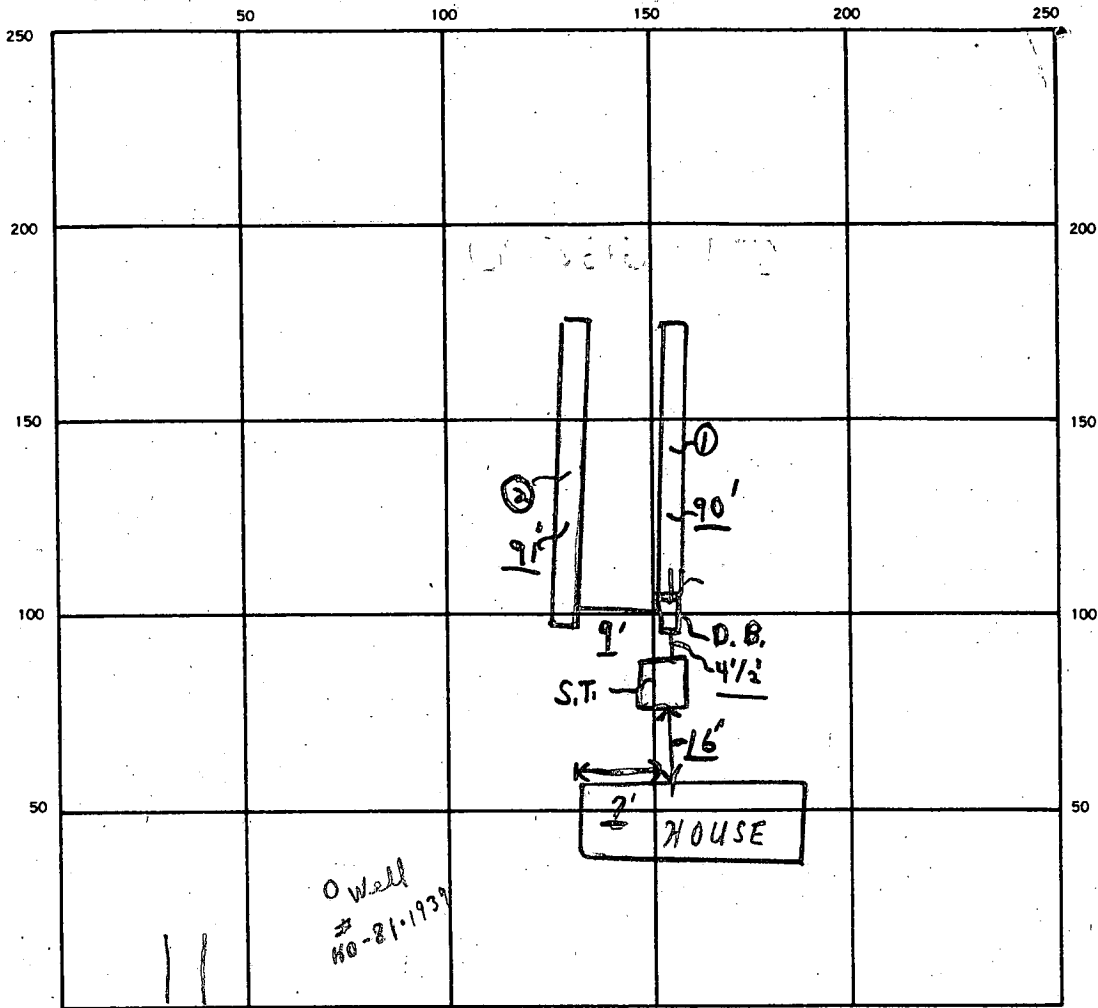
BUILDING PERMIT SIGNED AND RETURNED
5-305 B00163541-SHED
5-205 B00153041-GARAGE

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A37641



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

RT. 144

S.T.

SEPTIC TANK. LEVEL OK CLEANOUTS OK

DISTRIBUTION BOX. LEVEL OK see below

DRAIN FIELD/TILE FIELD. DEPTH 1 FT. TRENCH WIDTH 3 FT. INLET DEPTH FT.

EFFECTIVE GRAVEL DEPTH 1 FT. TOTAL LENGTH 181 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA SQ. FT.

DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 43 SQ. FT.

REMARKS: 8/8 Distribution Box needs a block inside @ entrance;
Trenches with paper on bottom, dirt; ok to cover all but
distribution box; 8/8 Block in distribution box date
P.M. Files.

DATE SYSTEM APPROVED 8/8/88 INSPECTOR Charles Bryan Stecker

B 1 1792 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
40-81-1939
fill in this form completely

Date Received 12/14/86
OWNER INFORMATION
DAVID L HAUGH
330 MORGAN STATION RD
HOBOKEN NJ 07030

B 3 LOCATION OF WELL
HOWARD
WINN MAPLES
SECTION 44 LOT 56.7 (COMBINED)
Lisbon
MILES FROM TOWN 2 MI

DRILLER INFORMATION
Bernard Feezer
Tri County
11009 Fred. rd/ Lisbon Md 21765

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
Old National Pike
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 50 FT

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

- 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)

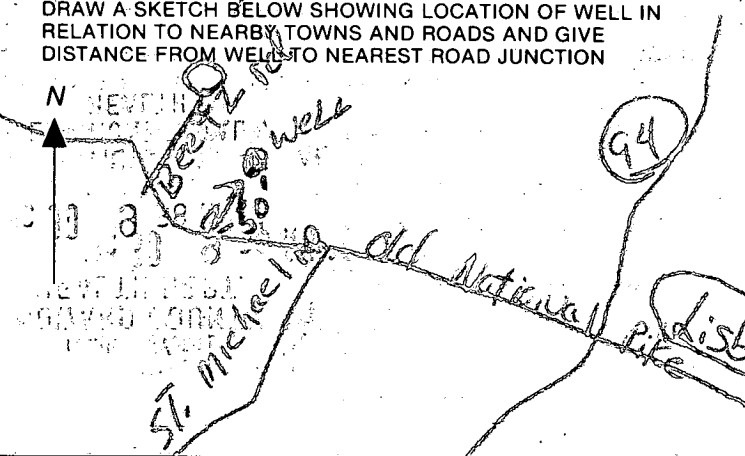
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME
A37641 COUNTY NO.
DATE ISSUED 02/23/87
CO SIGNATURE B. N. N. EXP. DATE 05/23/87
NORTH GRID 550000 EAST GRID 770000

APPROXIMATE DEPTH OF WELL 150 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
WRITE THE BOX NUMBER FROM THE MAP HERE
7700
5500

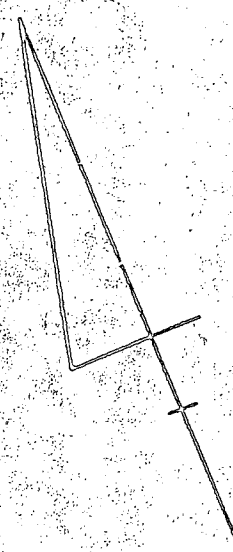
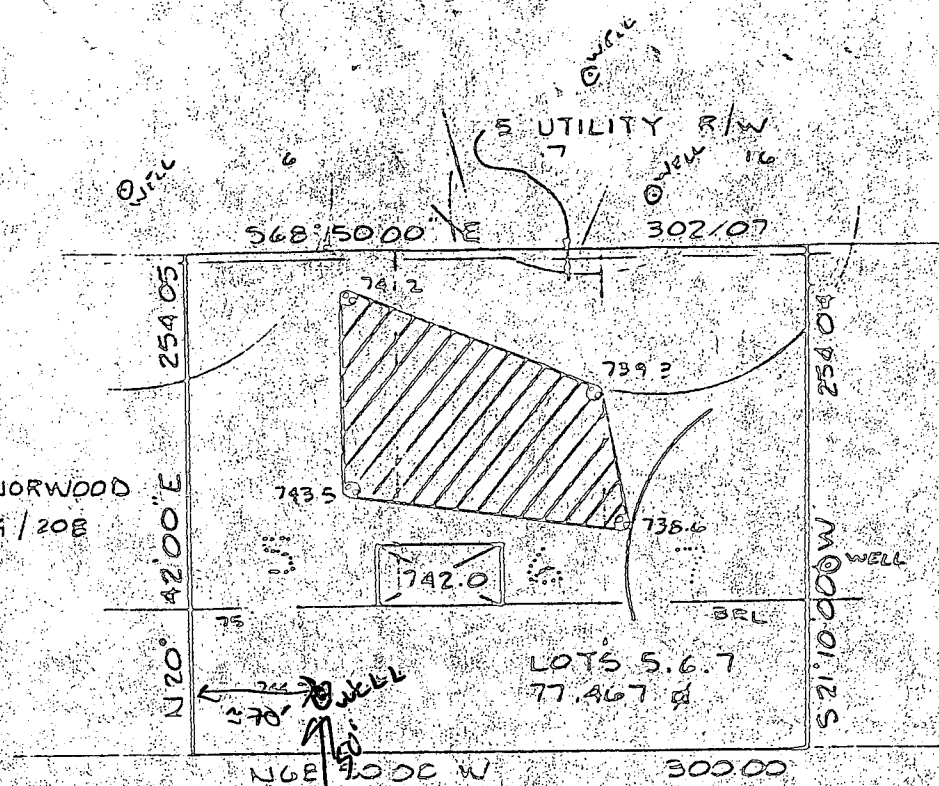
METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic, Rotary)
CABLE REVERSE-ROTary DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
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 DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

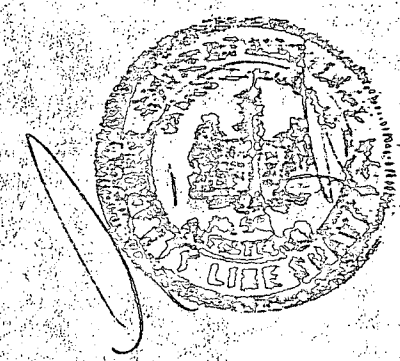



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER GAP
FORCE 100 INITIALS IN BOX PERMIT NO. 40-81-1939

SPECIAL CONDITIONS



2/8/87
 site staked
 as shown - OK
 (Signature)



 This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Percolation test holes shown hereon have been field located and shown as "⊕".
 The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Percolation are s and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

County Health Officer _____ Date _____

PERCOLATION TEST PLAT
 Lots 5, 6, 7
 Twin Maples Development
 Tax Map 7
 Parcel 147

4th Election District
 Howard County, Maryland
 Scale 1" = 100'
 Date 12/02/86

NTT Associates, Inc.
 16205 Old Frederick Road
 Mt. Airy, MD 21771
 (301) 442-2031

APPLICATION

1st

37641
~~1275~~

PERCOLATION TESTING

A _____
P _____

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

DISTRICT _____
DATE 9/15/86

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 Charles J. Fleming/Olive P. Fleming DAVID HAUGH
16948 Frederick Road, Mt. Airy, MD

ADDRESS _____ PHONE 489-4107

PROSPECTIVE BUYER send copy of plan to Olen Ketterman
14950 Route 144

ADDRESS _____ PHONE _____
Woodburn Md 21797

PROPERTY LOCATION:

SUBDIVISION Twin Maples LOT NO. 5,6&7

ROAD AND DESCRIPTION Route 144 16970 Frederick Rd.

TAX MAP 7 PARCEL # 147

SIZE OF LOT _____ TYPE BLDG. 3 or 4 Bedrooms
(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.

Olen L. Ketterman
(SIGNATURE OF APPLICANT)

APPROVED BY S. Abel FOR Shallow trenches DATE 5-13-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9/30/86 PERC OK CERTIFIED HOLD
PLAT NECESSARY BH copy sent to O Ketterman

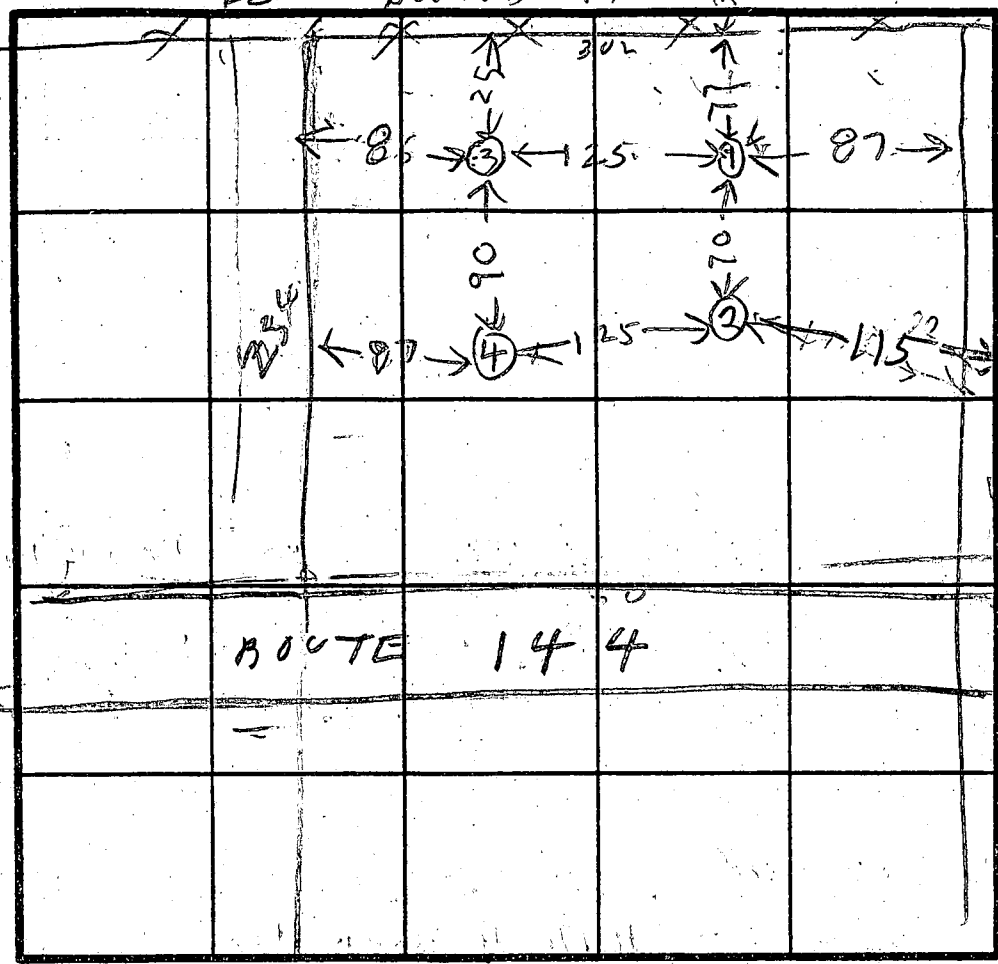
BLDG. PERMIT SIGNED
AND RETURNED 5-13-88 BP 15506
SAK

THIS IS NOT A PERMIT

25

EXIST HOUSE

FENCE ALONG BACK



SOIL PROFILE

- 0 BROWN CLAY
- 29 BROWN SHALE CLAY LOAM 10% FRAGS
- 6 BROWN SHALE SAND LOAM 20% FRAGS

(2)

- 0 BROWN CLAY
- 3 BROWN SHALE CLAY LOAM
- 6 BROWN SHALE SAND LOAM 30% FRAGS

(3)

- 3 BROWN CLAY
- 6 BED BROWN SAND LOAM
- 12 1/2 BROWN SAND SHALE LOAM 50% FRAGS

HOLE ELEVATION
 (3) = HIGH
 (4) = HIGH
 (1) = LOW

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/30/86	1 S	4	1047	1125	2 min		
	1 V	1.35	OK				
9/30/86	2 S	5	1049	1016	27 min		
	2 V	1.3	OK				
	3 S	3.5	1054	1103	1103	1120	17
	3 D	7	1053	1051	1057	1103	6
	3 V	12.5	OK				
	4 S	3.5	1057	1104	1104	1119	10
	4 V	12.5	OK				
	2 M	5 1/2	1140	1151	1157	1206	
	1 M	5	1158	1203	1203	1212	9

(4)

- 2 CLAY
- 5 BROWN SANDY
- 5 BROWN SAND SHALE LOAM

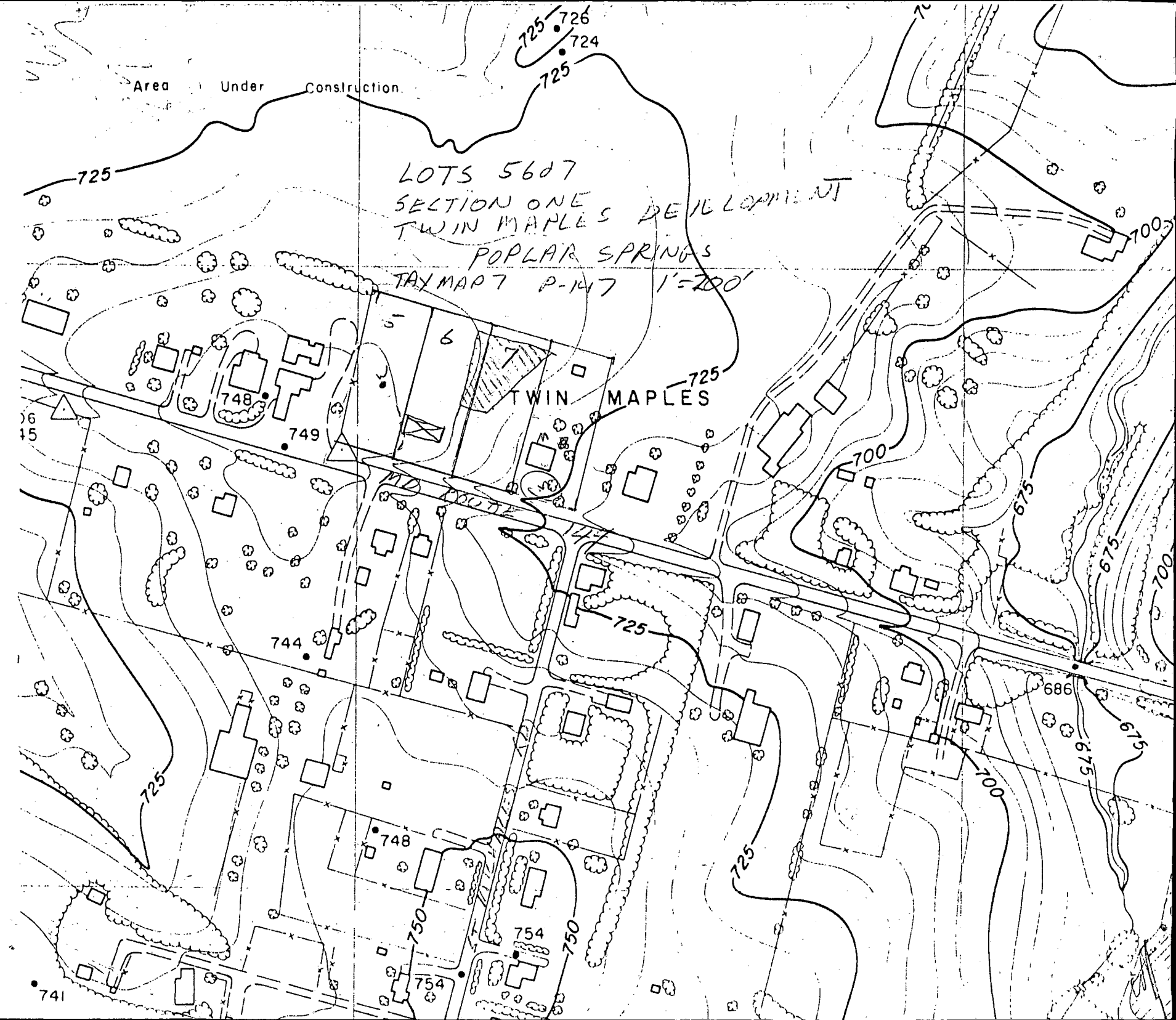
REMARKS HOLE (2) IS 115 FROM WELL ON NE LOT
 SUBMIT CERTIFIED HOLE LOG

TYPE OF SOIL _____
 TESTED BY R HODGES
 ALSO PRESENT HARRY HUBER, KETTERMAN DR SR, DAVID HAUGH

EH-12-1079

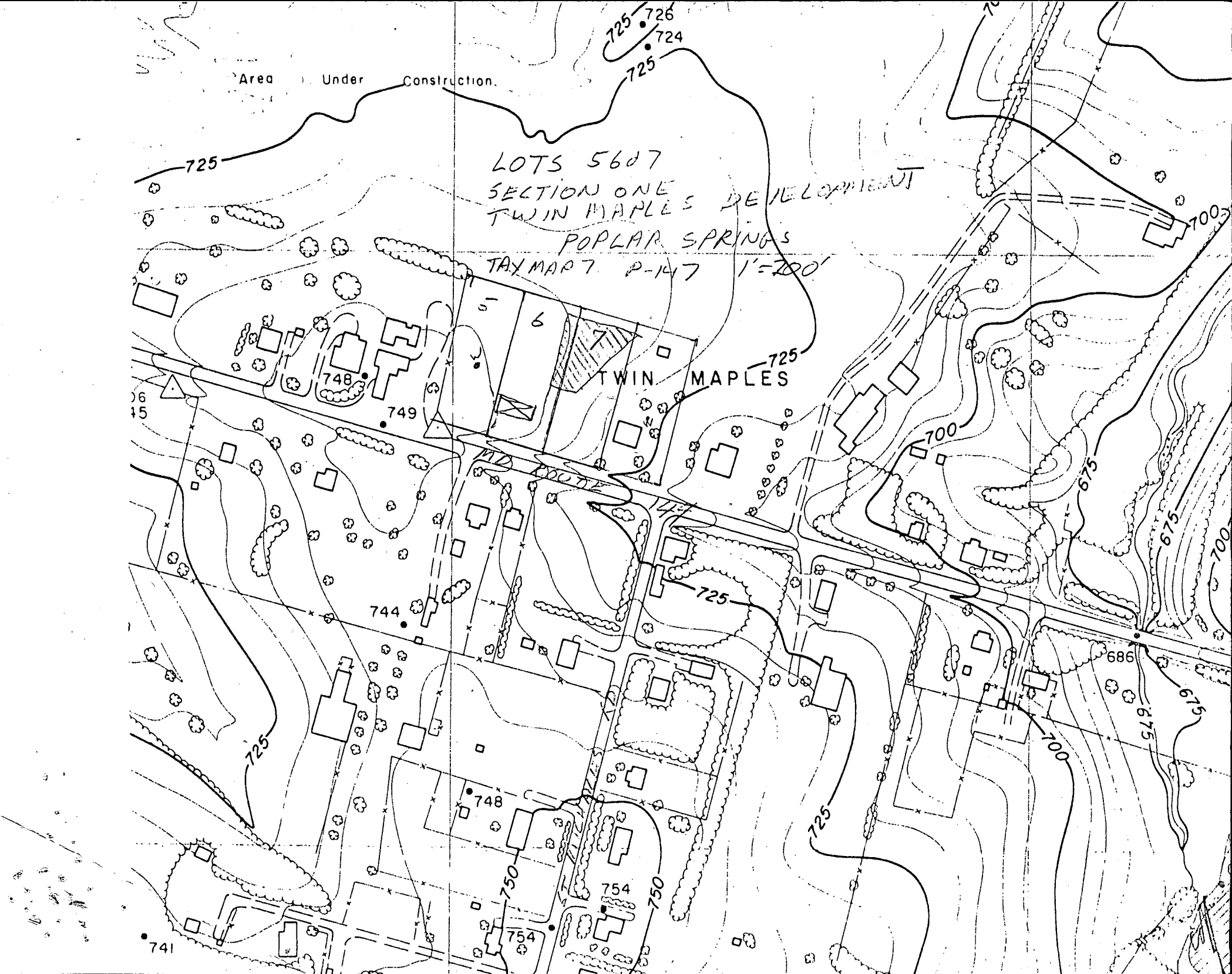
Area Under Construction.

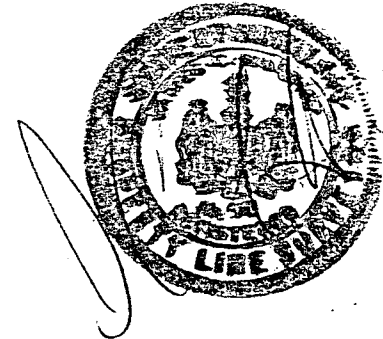
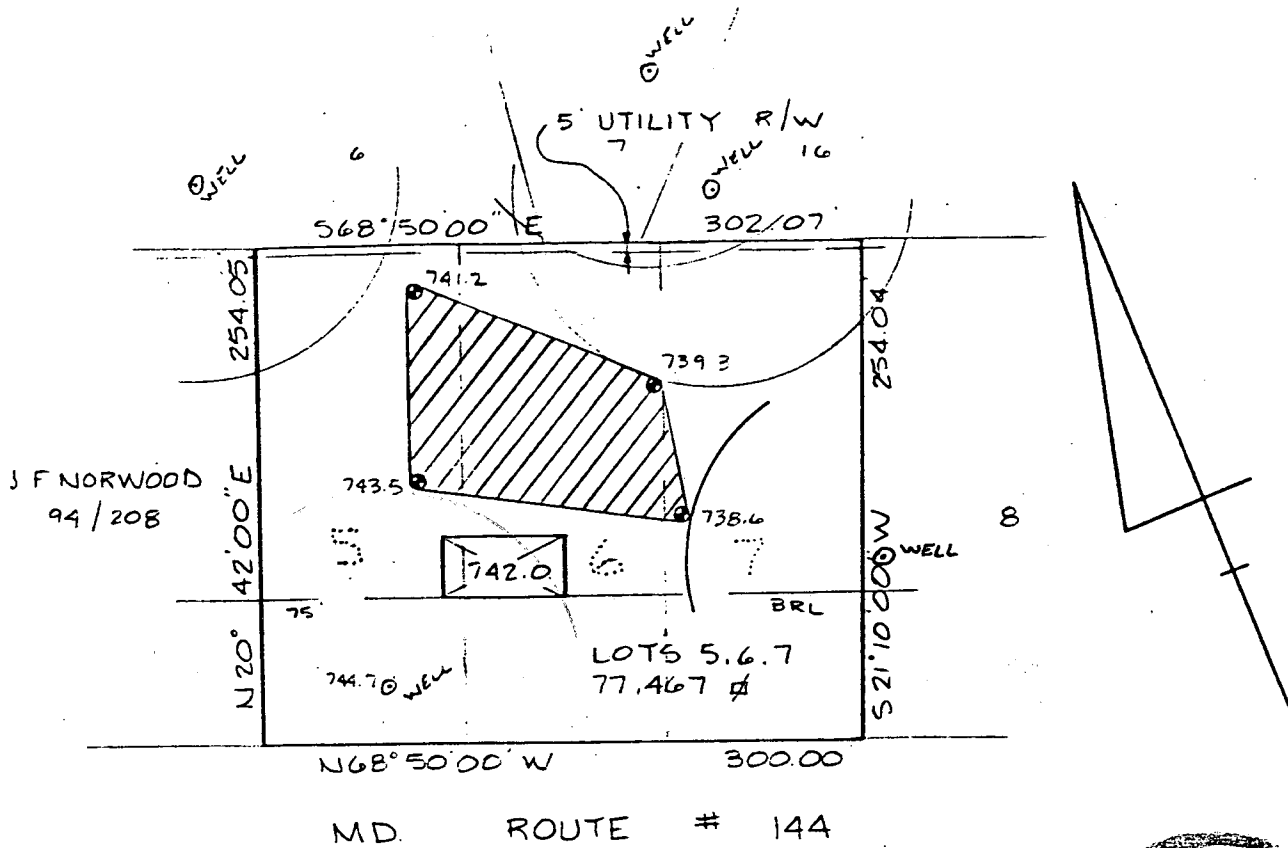
LOTS 5607
SECTION ONE DEVELOPMENT
TWIN MAPLES
POPLAR SPRINGS
TAX MAP 7 P-147 1"=200'




Area Under Construction.

LOTS 5607
SECTION ONE
TWIN MAPLES DEVELOPMENT
POPLAR SPRINGS
TAX MAP 7 P-147 1"=200'





 This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Percolation test holes shown hereon have been field located and shown as "⊕".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene.

Percolation areas and water wells for adjoining lots have been shown where pertinent.

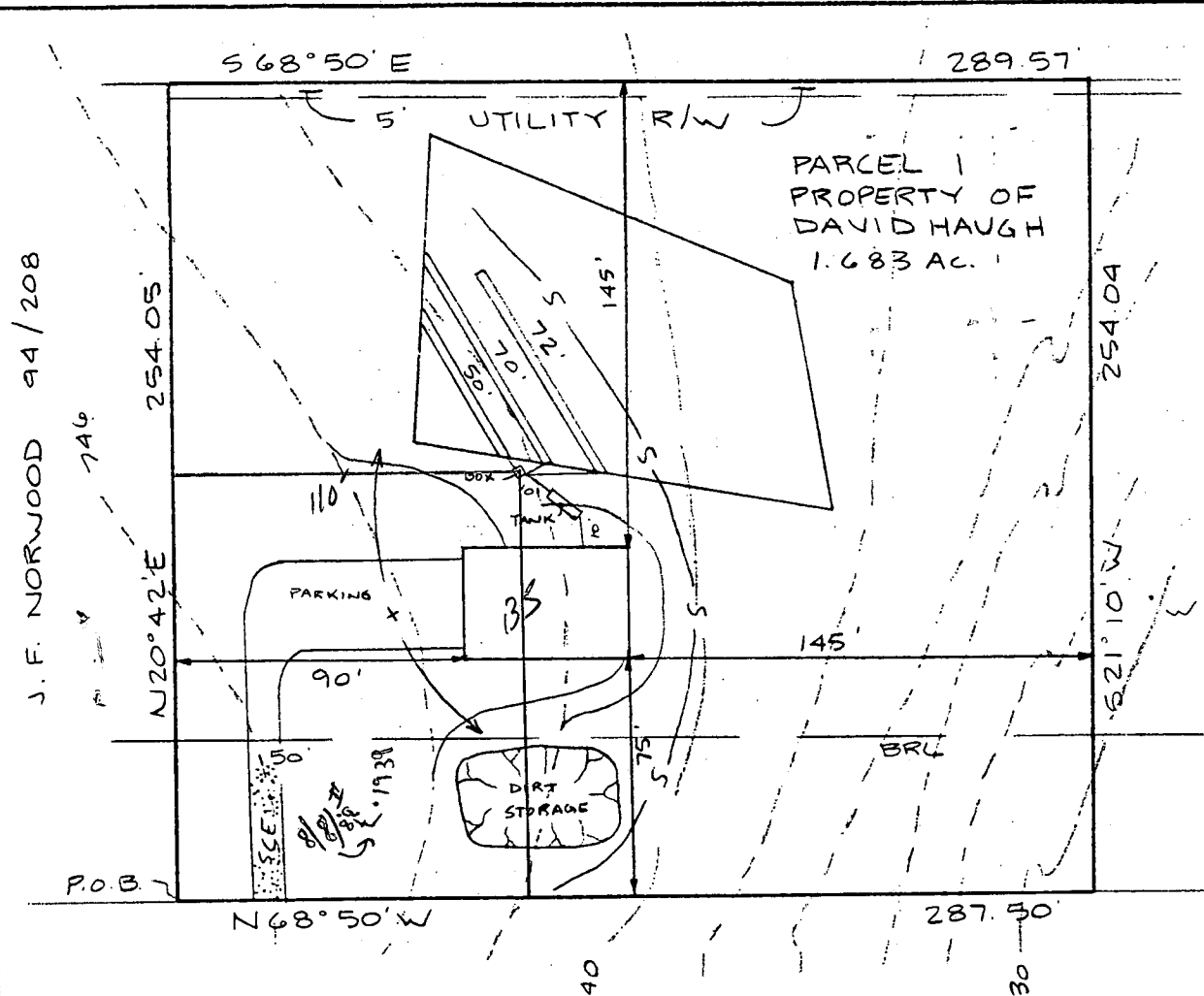
APPROVED: For Private Water and Private Sewage Systems

Joseph Boylan 12-11-86
 County Health Officer Date

PERCOLATION TEST PLAT
 Lots 5,6,7
 Twin Maples Development
 Tax Map 7
 Parcel 147

4th Election District
 Howard County, Maryland
 Scale 1"=100'
 Date 12/02/86

NTT Associates, Inc.
 16205 Old Frederick Road
 Mt. Airy, MD 21771
 (301) 442-2031



HOUSE:

FIRST FLOOR	746.00 ✓
BASEMENT	737.33 ✓
INVERT	739.96 ✓ (BSMT)

SEPTIC TANK:

EXISTING GRADE	741.80 ✓
PROPOSED GRADE	742.00 ✓
INVERT IN	739.75 ✓
INVERT OUT	739.50 ✓

DISTRIBUTION BOX:

EXISTING GRADE	742.1 ✓
PROPOSED GRADE	742.1 ✓
INVERT IN	739.4 ✓
INVERT OUT	739.3 ✓

TRENCHES:

	#1	#2	#3
EXISTING	742.2	741.8	741.2 ✓
INVERT	739.2	738.8	738.2 ✓
BOTTOM	737.2	736.8	736.2 ✓
STONE	2.0	2.0	2.0 ✓
WIDTH	3.0	3.0	3.0 ✓
LENGTH	50.0	78.0	72.0 ✓

MD. ROUTE # 144

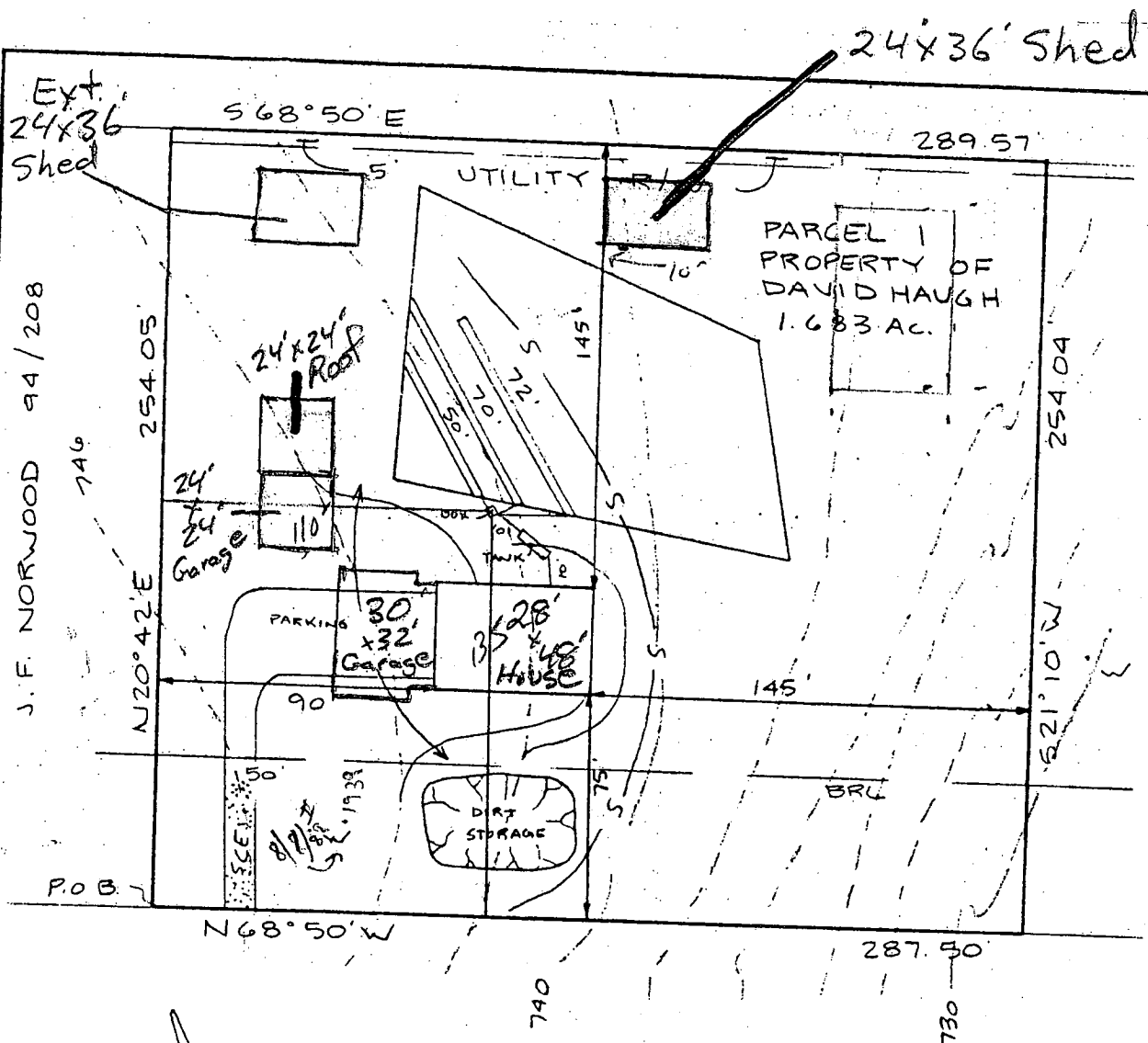
I certify the above elevations and measurements to be actual and true for this property.

J. Carl Higgins
 J. Carl Higgins

5-13-88
 Elevations by
 SM

BDDG. PERMIT SIGNED
 AND RETURNED 5-13-88
 BP/5506
 SM
 PLOT PLAN
 PROPERTY OF
 DAVID HOUGH
 TAX MAP 7 PARCEL 147
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MD.
 DATE 1/15/88 SCALE 1"=60'

A.37641



HOUSE:

FIRST FLOOR	746.00 ✓
BASEMENT	737.33 ✓
INVERT	739.96 ✓

SEPTIC TANK: (BSM)

EXISTING GRADE	741.8 ✓
PROPOSED GRADE	742.0 ✓
INVERT IN	739.75 ✓
INVERT OUT	739.50 ✓

DISTRIBUTION BOX:

EXISTING GRADE	742.1 ✓
PROPOSED GRADE	742.1 ✓
INVERT IN	739.4 ✓
INVERT OUT	739.3 ✓

TRENCHES:

	#1	#2	#3
EXISTING	742.2	741.8	741.2
INVERT	739.2	738.8	738.2
BOTTOM	737.2	736.8	736.2
STONE	2.0	2.0	2.0
WIDTH	3.0	3.0	3.0
LENGTH	50.0	78.0	72.0

MD. ROUTE # 144

APPROVED

16970 Fred. RL

5-13-88
Elevations by
SAH

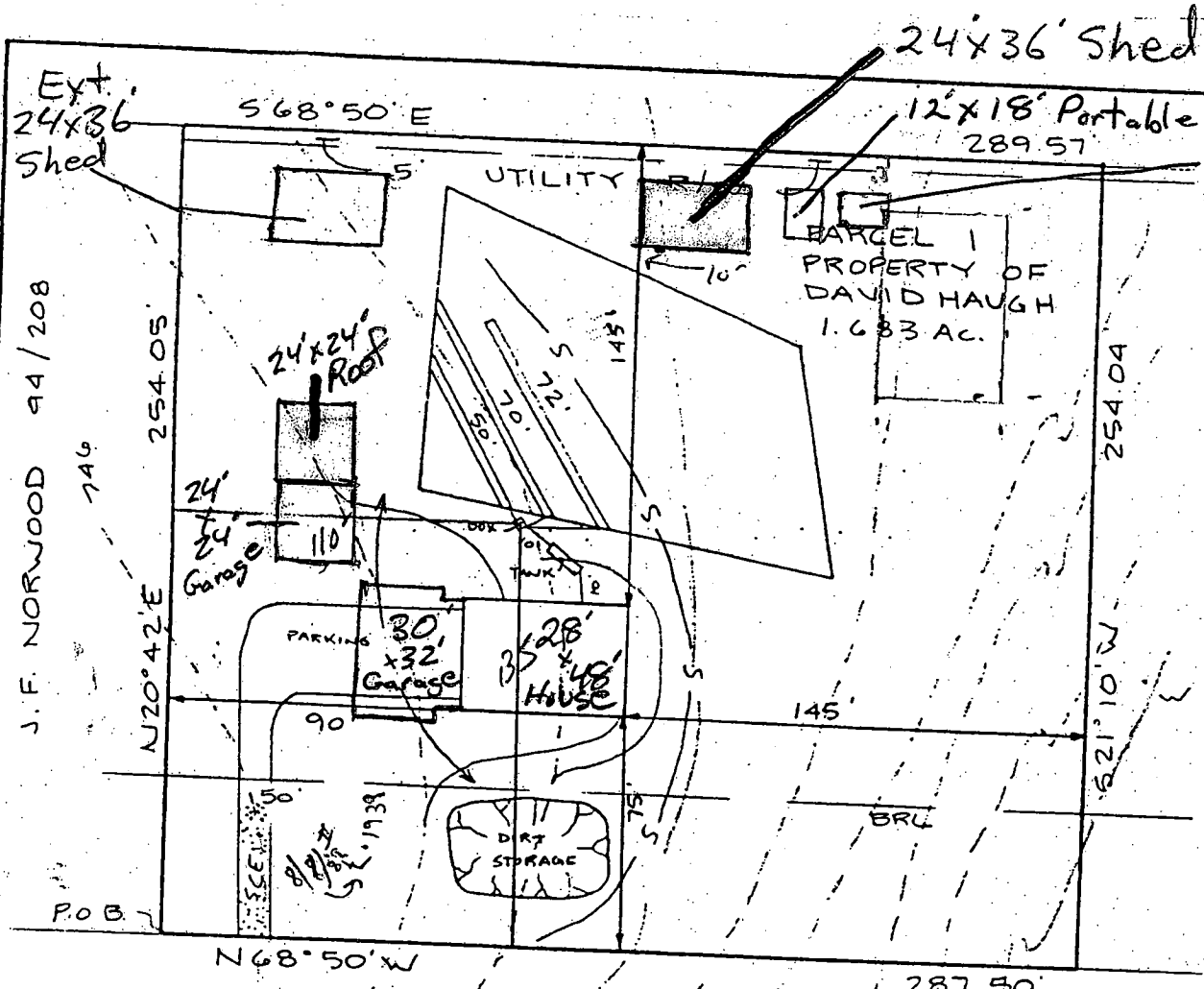
WALK-THRU BUILDING PERMIT
 BP# 800153541 A# 37641
 APP. SAN KSS DATE: 5/3/05
 DESC. OF WORK. 24' x 36'
Shed + 24' x 24' carpet

I certify the above elevations
 and measurements to be actual
 and true for this property.

Paul Hickman

BLDG. PERMIT SIGNED
 AND RETURNED 5-13-88
 BP/5506
 SAH
 PLOT PLAN
 PROPERTY OF
 DAVID HOUGH

A37641



HOUSE:			
FIRST FLOOR	746.0	✓	
BASEMENT	737.33	✓	
INVERT	739.96	✓	
SEPTIC TANK:			
EXISTING GRADE	741.8	✓	
PROPOSED GRADE	742.0	✓	
INVERT IN	739.75	✓	
INVERT OUT	739.50	✓	
DISTRIBUTION BOX:			
EXISTING GRADE	742.1	✓	
PROPOSED GRADE	742.1	✓	
INVERT IN	739.4	✓	
INVERT OUT	739.3	✓	
TRENCHES:			
	#1	#2	#3
EXISTING	742.2	741.8	741.2
INVERT	739.2	738.8	738.2
BOTTOM	737.2	736.8	736.2
STONE	2.0	2.0	2.0
WIDTH	3.0	3.0	3.0
LENGTH	50.0	78.0	72.0

J.F. NORWOOD 94/208

MD. ROUTE # 144

APPROVED

16970 Fred RL

5-13-88

Elevations by SAH

WALK-THRU BUILDING PERMIT

BP# B001536 A# 37641

APP. SAN KSA DATE: 5/3/05

DESC. OF WORK: 24' x 36'

Shed + 24' x 24' Corport

I certify the above elevations and measurements to be actual and true for this property.

J. Carl Hudgins
J. Carl Hudgins

Bldg. PERMIT SIGNED AND RETURNED 5-13-88

BP/5506 SAH
PLOT PLAN
PROPERTY OF
DAVID HOUGH
TAX MAP 7 PARCEL 147
4TH ELECTION DISTRICT