

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

03-302318

INDEX

ELLICOTT CITY

DISTRICT 3rd

DATE 6/25/83

P 32874

A 27910

Olen Ketterman

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 14960 Frederick Road, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Triadelphia Farms II ROAD 13360 Triadelphia Road LOT 13-B

PROPERTY OWNER Shannon Hoffman

ADDRESS P. O. Box 2211, Columbia, Maryland 21044 Phone: 730-1379

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

TRENCHES - 158 sq. ft. per bedroom. Minimum total square feet for 3 bedrooms is 474 sq. ft. Trench to be 4 ft. wide. Inlet 3 ft. below original grade. Bottom maximum depth 6 ft. below original grade. Effective area begins at 3-4 ft. below original grade. 3 ft. of stone below distribution pipe. NOTE: NO TRENCH TO EXCEED 100 FEET IN LENGTH. IF MORE THAN ONE TRENCH USED, A DISTRIBUTION BOX IS REQUIRED. TRENCHES TO BE INSTALLED ON LEVEL GROUND. Start the first trench 150 feet from the front (129 ft. long) lot line and 30 feet from the left (403.11 ft. long) lot line, proceed to dig trench on level ground to within 10 feet of the left side line (no closer than 10 feet). Start the 2nd trench 10 feet away from parallel to and down slope of the first trench.

6/22/83 Change OK. per F.S.

BLDG. PERMIT SIGNED AND RETURNED 6/7/80
Serial # 33061 - addition

PLANS APPROVED BY Frank A. Skinner

DATE 5/31/81 & 3/18/82

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE YEARS.

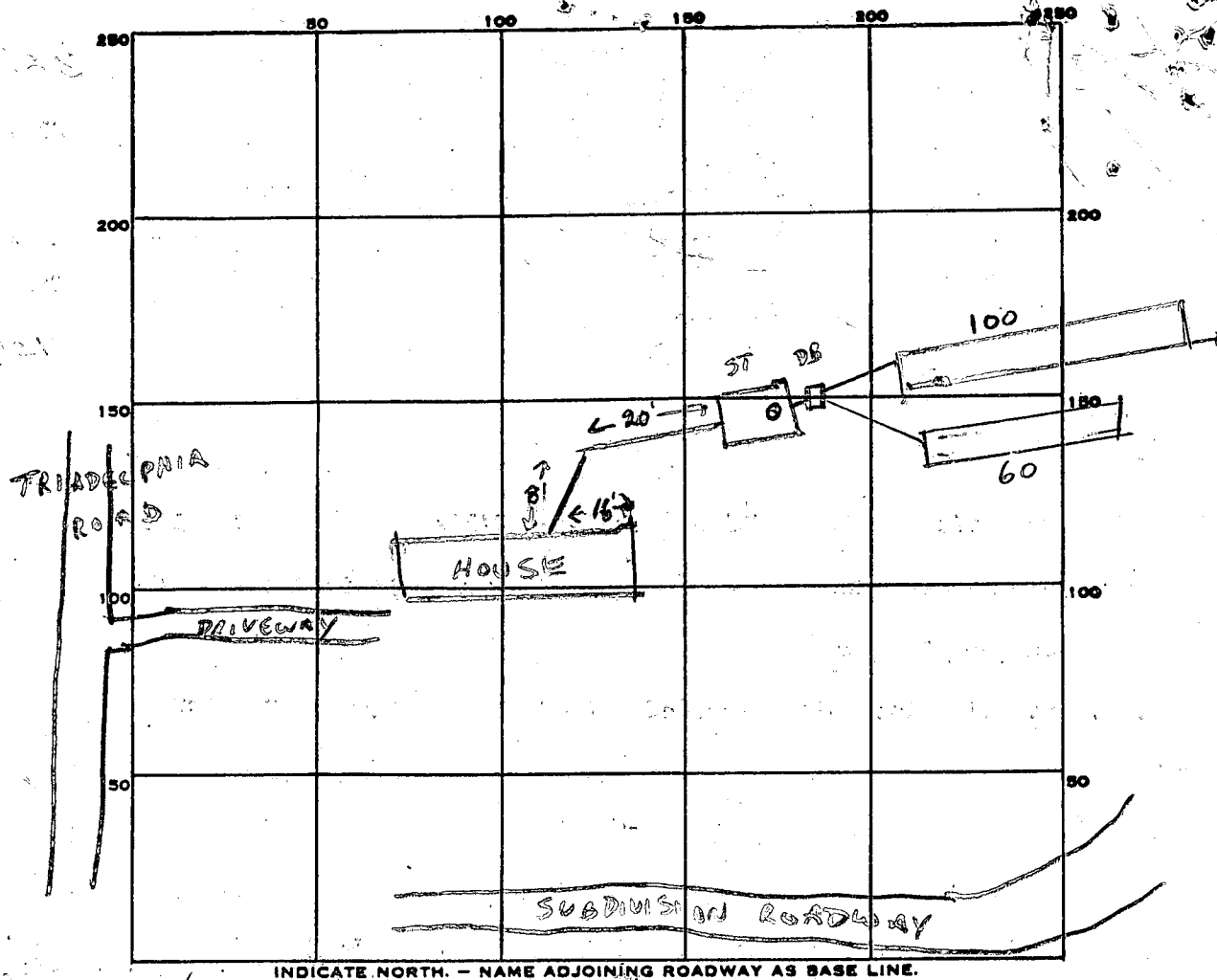
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

BLDG. PERMIT SIGNED AND RETURNED 4/13/84
Serial 59483
Post

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082



PERMIT CARD ☒

SEPTIC TANK, LEVEL ☒

CLEANOUTS ☒

DISTRIBUTION BOX, LEVEL ☒

TILE FIELD, DEPTH 6 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 3 FT IN TOTAL LENGTH FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA

SEEPAGE PITS, INSIDE DIAMETER FT. DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS 1ST TRENCH OK. 6-22-83 CW GRAVEL OK. COVER 1ST TRENCH CW
2ND TRENCH OK. ADD GRAVEL 6-23-83 CW - ALL OK CW

DATE SYSTEM APPROVED 6-23-83

INSPECTOR CW

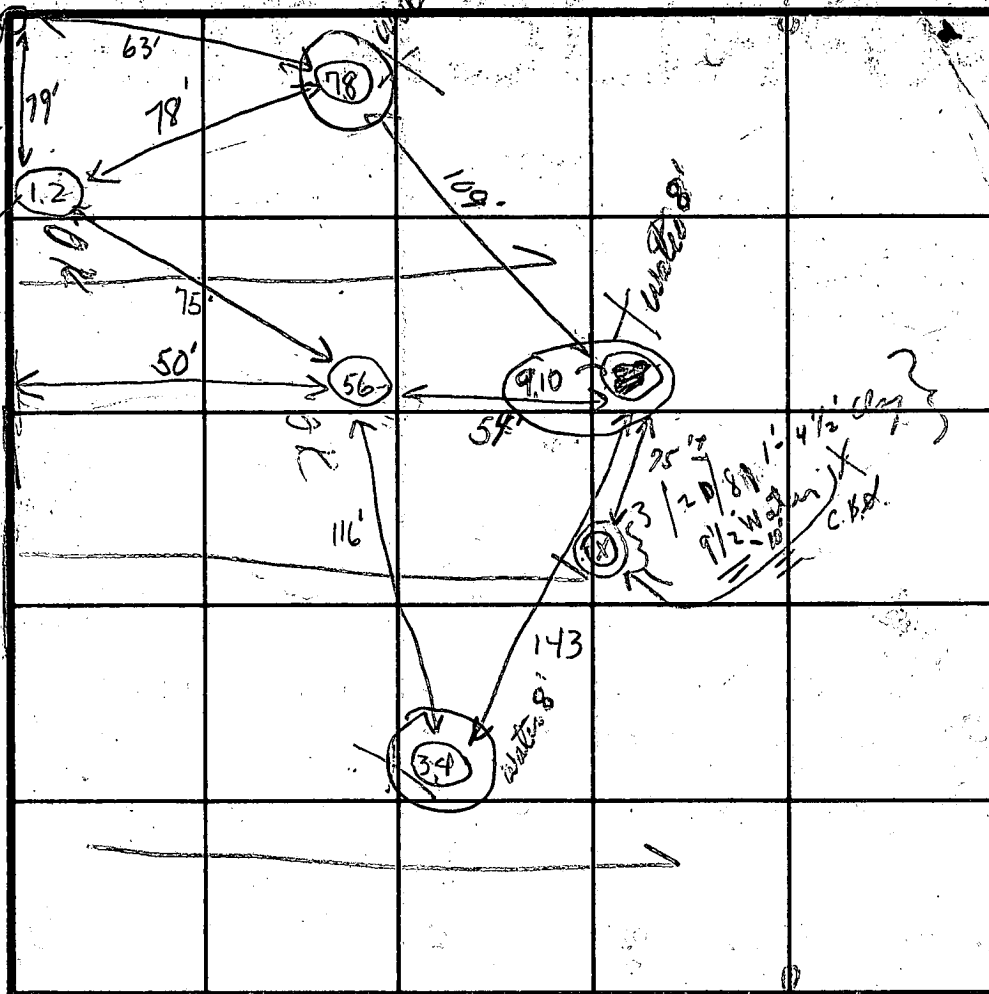
Lot # 13B

12C CORNER
13B STAKE

SOIL PROFILE

SEE
Each
Hole
BELOW

1, 2
ON
PROP
LINE



PRESS
ROAD

A27910

FIELD SHEET
TEST PER
STAKE

SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

TRIDELPHIA RD

1-2 clay
2-10 mica
LOAM

→ 1 1/2 clay
1 1/2-8 mica
LOAM

1-2 1/2 clay
2 1/2-9 mica
LOAM

1-2 clay
1-6 1/2 mica
LOAM

→ 1 1/2 clay
1 1/2-8 mica
LOAM

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-2-80	1	2'	11:38	11:40	11:40	11:45	5
	2	10'	11:38	11:40	11:40	11:44	4
	3	1 1/2	12:02	12:04	12:04	12:07	3
	4	8'	WATER		xx	xxx	yy
	5	2 1/2'	11:32	11:34	11:34	11:37	3
	6	9'	11:32	11:34	11:34	11:37	3
	7	2'	11:46	11:53	11:53	12:12	
	8	6 1/2'	WATER		xx	xx	xx
	9	1 1/2	11:58	11:58:30	11:58:30	11:59	1/2
	10	8'	WATER		xx	xxx	xx

[3/20/81 WATER-HOLD NOT TESTED]
C.B.

REMARKS Hold for (CERTIFIED HOLES, SUPERVISOR + POSS. REDESIGN
K. ALLEN RECEIVED COPY OF WORK SHEET (89+512 5-2-80

TYPE OF SOIL

TESTED BY SKC + CBS 5-2-80

ALSO PRESENT

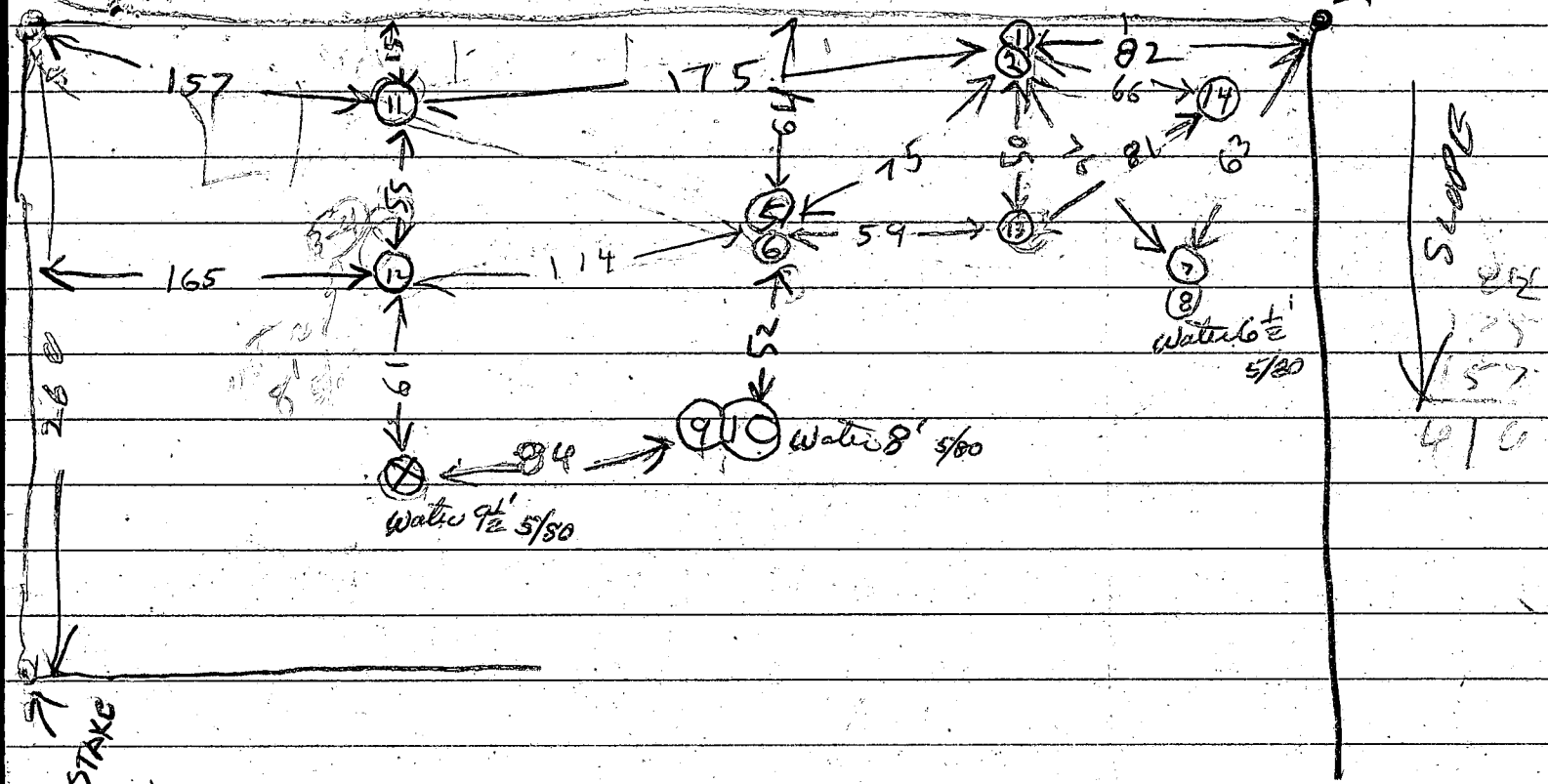
K. ALLEN

SC HUGGINS
JO KETTER-
MAN
CON

TRIDELPHIA FARMS #2

LOT 13B & 13C ONE HOUSE

STAKE
12 C
13 B



4/16/81	11 D	8 1/2	242	244	244	248	4
	12 S	5	242	244	244	248	4
	11 V	13	TOP 4 FT CLAY BOT 9 FT SANDY MICA				DRY
	12 V	13	ALL SANDY MICA				DRY
	13 V	12	ALL SANDY				DRY
4/16/81	14 V	12	TOP 3 FT CLAY BOT 9 FT SANDY ROCKY				DRY

D. REUBEN
OKETTERMAN.

lot. 138

A27910

See attached sheet

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/6/78	(TS)	4	1248	112	little per		
	(TD)	13	TOP 6 FT CLAY		WATER 12 1/2 FT		
4/6/78	(DV)	8	WATER		7 FT		

REMARKS _____

TYPE OF SOIL _____

TESTED BY BH ALSO PRESENT: J. EYOCK
D. RUSH

TRIDELPHIA FARMS JF401K } PRESENTS
D. RUSH

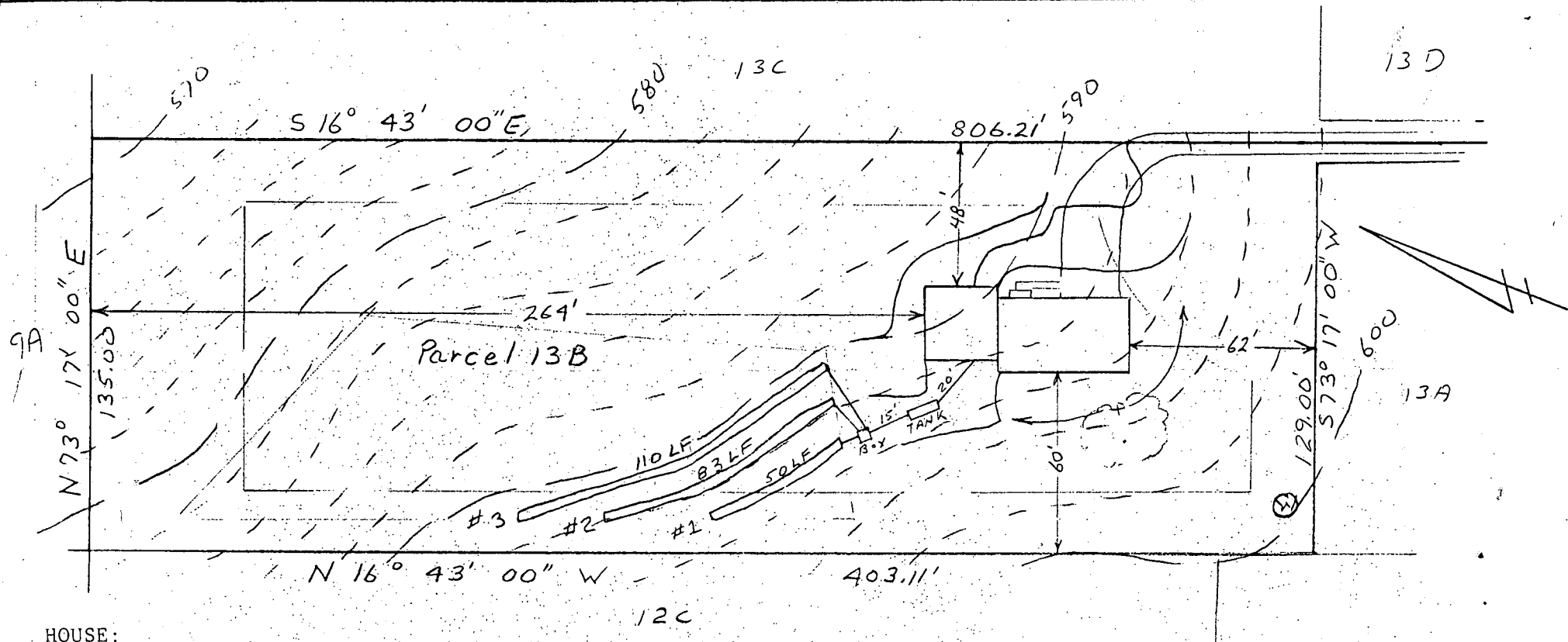
13-B 4/26/78 HUNDGGS

SEE OTHER SIDE FOR LOCATION OR HOLES

D. RUSH SAID FEE PAID FOR THIS
APPLICATION BUT DO NOT HAVE THIS
APPLICATION WITH ME RIF
SOL TYPE ON ① & ② BA

15	4	1248	112 hole per FAULT
10	13		WATER 12 1/2 FT TOP 6 FT CLAY BOT 7 FT SAND
2V	8		WATER 7 FT

TRIDELPHIA FARM
LOT 13 B



HOUSE:

FOYER LEVEL 596.0
 LOWER LEVEL 592.0
 INVERT 590.81

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

J. Carl Hudgins
 J. Carl Hudgins

SEPTIC TANK:

EXISTING GRADE 593.0
 PROPOSED GRADE 593.0
 INVERT IN 590.41
 INVERT OUT 590.16

DISTRIBUTION BOX:

EXISTING GRADE 593.0
 PROPOSED GRADE 593.0
 INVERT 590.0

TRENCHES	LENGTH	WIDTH	STONE	INVERT	BOTTOM
#1	50'	3'	2'	589.9	587.9
#2	83'	3'	2'	588.8	586.8
#3	110'	3'	2'	587.7	575.7

3/15/83
 Sketch OK
 J.S.

PLOT PLAN

PARCEL 13B

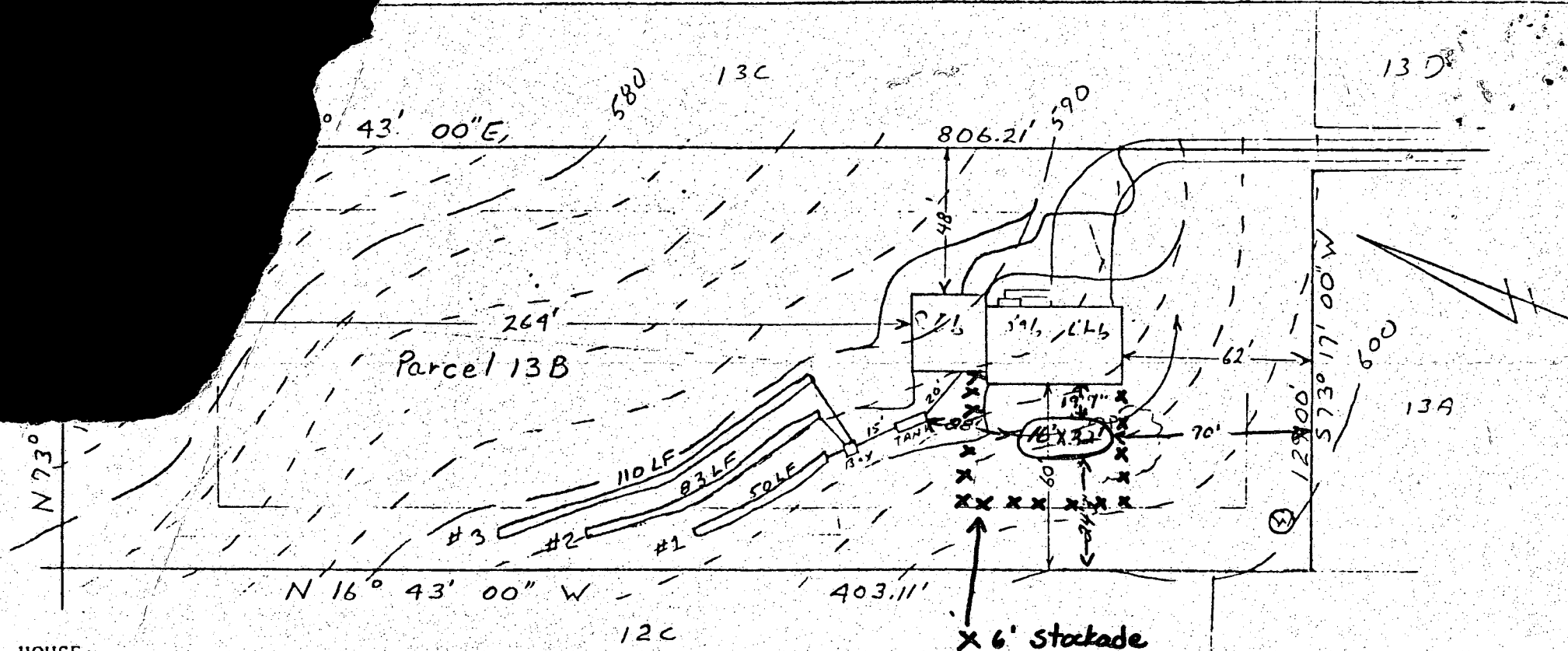
TRIADELPHIA FARMS II

3rd ELECTION DISTRICT

HOWARD COUNTY MARYLAND

SCALE 1"=50' DATE 3/9/83

NTT Associates
 101 Sterrett Building
 Columbia Maryland 21044
 321-0307



HOUSE:

FOYER LEVEL 596.0
LOWER LEVEL 592.0
INVERT 590.81

SEPTIC TANK:

EXISTING GRADE 593.0
PROPOSED GRADE 593.0
INVERT IN 590.41
INVERT OUT 590.16

DISTRIBUTION BOX:

EXISTING GRADE 593.0
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I certify the above measurements and elevations are true and actual for this property.

J. Carl Hudgins
J. Carl Hudgins

6/11/84 - Pool location OK
No visible sewage problems
JS

PLOT PLAN

PARCEL 13B

TRIADELPHIA FARMS II

3rd ELECTION DISTRICT

HOWARD COUNTY MARYLAND

SCALE 1"=50' DATE 3/9/83

NTT Associates
101 Sterrett Building
Columbia Maryland 21044
321-0307

LOT 9A

N 73°-17'-00"E
135.00'

S 16°-43'-00"E

LOT 13C

LOT 13B

LOT 13D

LOT 12C

LOT 13A



To TRIADDELPHIA
Road

5/12/81
Wet Season Test
Reg'd. G.S.

 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

Approved 5/21/81

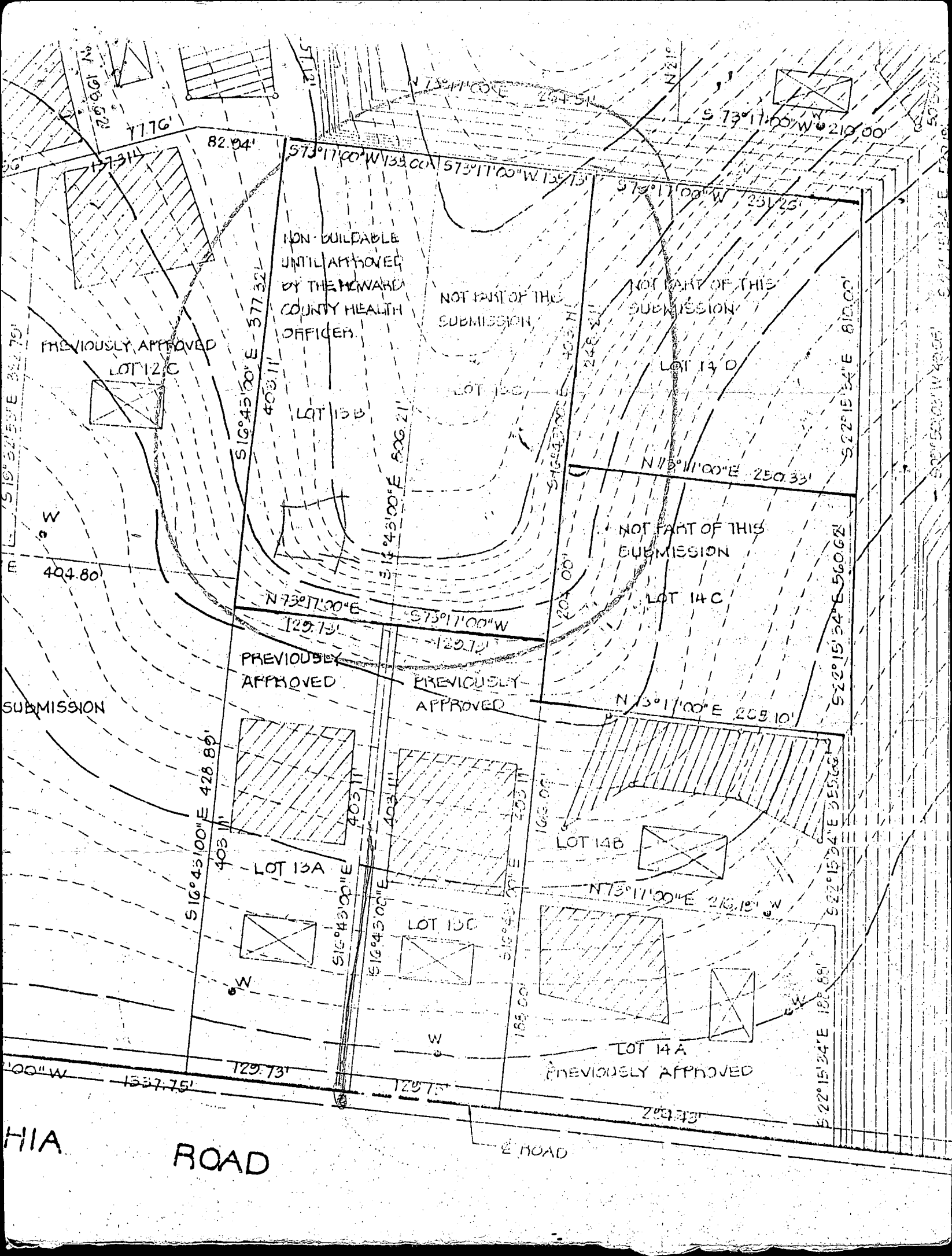
County Health Officer

Date

PERCOLATION TEST PLAT
LOT 13B
TRIADDELPHIA FARMS II
PROPERTY OF
RICHARD M. HEMPHILL

3rd Election District
Howard County, Maryland
Scale 1" = 100'
Date 5-8-81

NTT Associates
Suite 307, Clark Bldg.
Columbia, MD 21044
321-0307



PREVIOUSLY APPROVED
LOT 12C

NON-BUILDABLE
UNTIL APPROVED
BY THE HOWARD
COUNTY HEALTH
OFFICERS.

NOT PART OF THE
SUBMISSION

NOT PART OF THIS
SUBMISSION

LOT 14 D

NOT PART OF THIS
SUBMISSION

LOT 14 C

PREVIOUSLY
APPROVED

PREVIOUSLY
APPROVED

LOT 14B

LOT 13A

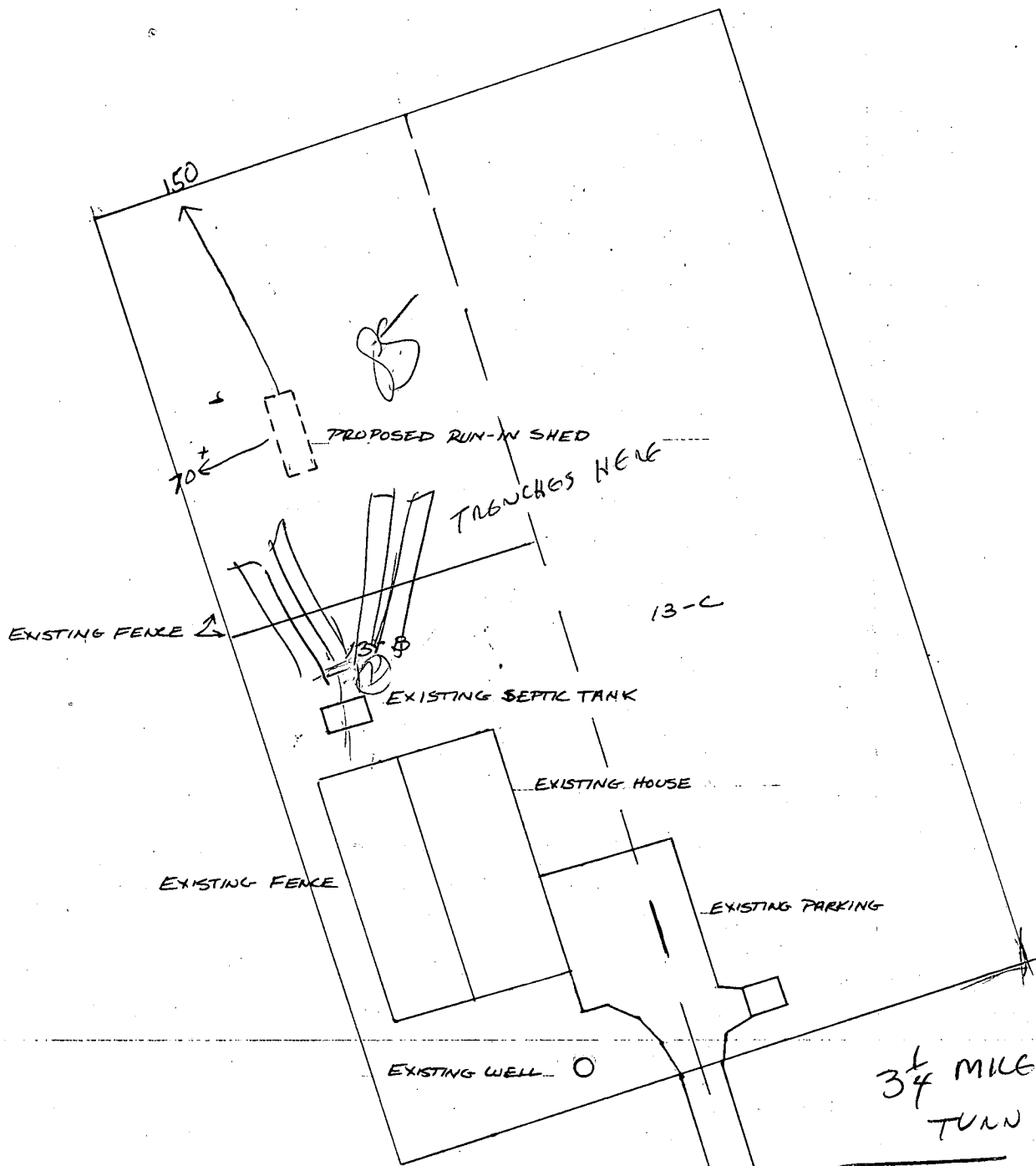
LOT 13C

LOT 14A

PREVIOUSLY APPROVED

HIA
ROAD

E ROAD

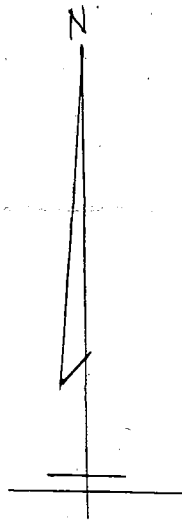


$\frac{3}{4}$ MILE DOWN
TURN RIGHT

NUMBER ON RIGHT

EXISTING DRIVEWAY

Brown SH60/160, 510V61
TRUCK



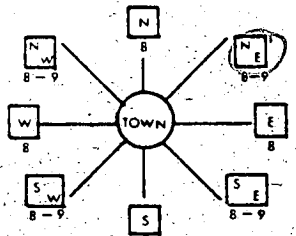
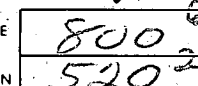
SCALE 1" = 50'

SHANNON J. HOFFMAN
13360 TRIADELPHIA ROAD

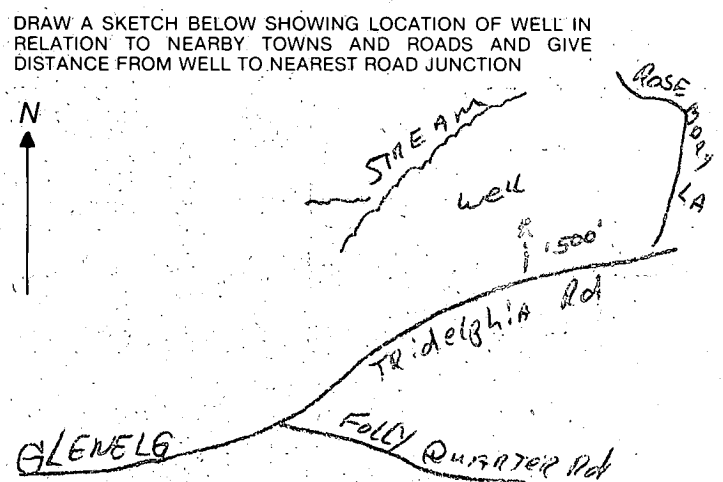
TRIADELPHIA RD

Drill and yield test

EMERGENCY/TEMP. NO. IF ANY

B 1 4718	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type		OEP PERMIT NUMBER H0-73-4135
(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)		fill in this form completely		
Date Received 4/5/82 (OEP Use Only)		B 3 LOCATION OF WELL COUNTY <u>Howard</u> SUBDIVISION <u>Philadelphia Farms II</u> SECTION <u>B</u> LOT <u>13</u> NEAREST TOWN <u>GLENELG</u> MILES FROM TOWN (enter 0 if in town) <u>2</u>		
OWNER INFORMATION Last Name <u>SHANNON</u> Owner Street or RFD <u>9235 KBRAMOV LANE</u> Town <u>LAUREL</u> State <u>MD</u> Zip <u>20810</u>		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 		
B 7 Continued DRILLER INFORMATION Driller's Name <u>Ralph MAYNE</u> License No. <u>273</u> Firm Name <u>Ralph MAYNE (well Drilling)</u> Address <u>Rt 3 Box 9120 Mt. Airy</u> Signature <u>Ralph Mayne</u> Date <u>3/15/82</u>		Tridelphia Rd. NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <u>600</u> DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) <u>7500</u>		
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>500</u>		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN 'X' SOURCES OF DRILLING WATER 1. 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE 		
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)				
APPROXIMATE DEPTH OF WELL <u>150</u> FEET APPROXIMATE DIAMETER OF WELL <u>6</u> INCH				
METHOD OF DRILLING (circle one) BORED (OR AUGERED) JETTED JETTED & DRIVEN 30- <u>AIR ROTARY</u> AIR PERCUSSION ROTARY (HYDRAULIC ROTARY) 37 CABLE REVERSE ROTARY DRIVE POINT other				
REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX) ☒ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE)				
Not to be filled in by driller (OEP USE ONLY) APPROX. PERMIT NUMBER <u>GAP</u> FORCE <u>F</u> WRITE INITIALS IN BOX PERMIT NO. <u>1101154135</u>				
B 5 SPECIAL CONDITIONS 8-63				
HEALTH				

42' casing
 220' open
 30' jetted pipe
 12 bags of cement used
 Location on
 4/5/82 O.K. Rd.
 Tridelphia



B 4 NOT TO BE FILLED IN BY DRILLER
 HEALTH DEPARTMENT APPROVAL
HOWARD
 COUNTY NAME
Ad 7910
 COUNTY NO.
 OEP SIGNATURE Frank Shannon STATE HEALTH CIRCLE BOX S
 DATE ISSUED 4/5/82
 CO SIGNATURE
 NORTH GRID 020000 EAST GRID 060600 EXPIRES 9/7/82

C1 3128	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.
(THIS NUMBER IS TO BE PUNCHED* IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER A27910	

Date Received* (OEP use only)	DATE WELL COMPLETED 9-5-81	Depth of Well 305' (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-73-4135
----------------------------------	-------------------------------	--	---

OWNER last name Hoffman first name Shannon	STREET OR RFD Triadelphia Road	TOWN GLENELG
SUBDIVISION Triadelphia Farms II	SECTION	LOT 13B

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
Top Soil	0 2	
Sandy	2 30	✓
Sand Stone	30 43	
Micka	45 55	
Sand Stone	55 60	✓
Micka	60 200	
Sand Stone	200 205	✓
Micka	205 305	

WELL HAS BEEN GROUTED (Circle Appropriate Box)	
YES ☒ Y	NO ☐ N
TYPE OF GROUTING MATERIAL	
CEMENT ☒ CM	BENTONITE CLAY ☐ BC
NO. OF BAGS 12	NO. OF POUNDS 1200
GALLONS OF WATER 22	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 30 ft.	from 48 TOP (enter 0 if from surface) BOTTOM 58 ft.

CASING RECORD		
casing types insert appropriate code below	☒ ST STEEL	☐ CO CONCRETE
	☐ PL PLASTIC	☐ OT OTHER
	MAIN CASING TYPE	
	Nominal diameter top(main)casing (nearest inch)	Total depth of main casing (nearest foot)
☒ S 7	6	42

OTHER CASING (if used)	
depth (feet)	from to

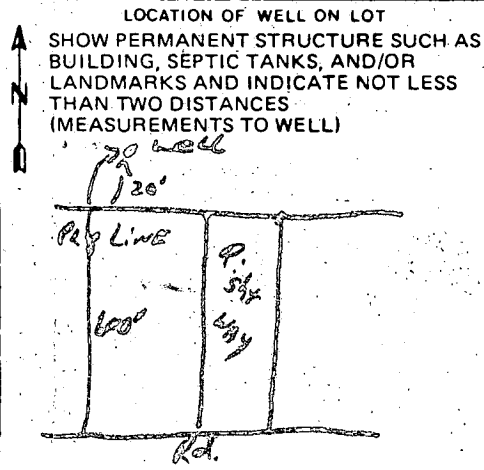
SCREEN RECORD			
screen type or open hole insert appropriate code below	☒ ST STEEL	☐ BR BRASS	☐ HO OPEN HOLE
	☐ PL PLASTIC	☐ OT OTHER	
	SLOT SIZE		
	DIAMETER OF SCREEN (NEAREST INCH)		

C2	
DEPTH (nearest ft.)	
1 40	2 305
SLOT SIZE	
DIAMETER OF SCREEN (NEAREST INCH)	

GRAVEL PACK	
IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX ☐ F	
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T	W Q
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

C3		
PUMPING TEST		
HOURS PUMPED (nearest hour)	4	
PUMPING RATE (gal. per min. to nearest gal.)	6	
METHOD USED TO MEASURE PUMPING RATE	Bucket	
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	16	
WHEN PUMPING	65	
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 (CIRCLE APPROPRIATE BOX)	YES ☒ Y NO ☐ N
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE	
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))	
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
☐ - below	2 (nearest foot)



CIRCLE APPROPRIATE BOX	
☒ 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 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. 215	
DRILLERS SIGNATURE Ralph E. Mayne	
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)	