

9-11-92
1:30pm
9/16/92
9/15/92 ASAP
9/17 AM
9/18 AM

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 48491
A 26356

DISTRICT 5th

DATE 9/10/92

INDEXED

05-391903

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

451-8933 x 313-2640

DATE SYSTEM APPROVED 9/18/92

INSPECTOR Rifkin

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 558R Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5670

SUBDIVISION Kalmia Farms LOT 13, Sec. 2 ROAD 14731 Betula Way

PROPERTY OWNER James & Elizabeth R. Lokey

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180 ²⁴⁰

between 4 1/2' + 5 1/2' as needed to get to the house

TRENCHES - Trench to be 2 feet wide. Inlet 2 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 2 1/2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 230 feet from the front lot line and 120 feet from the left side of the lot as seen when facing the lot from Betula Way. Run the trenches toward both side lines.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 9/15/92 RH

Start 1st trench at downhill side of front hole. Call for inspection of open trenches. Install trenches on contour towards left property line as viewed from Betula Way. R/R/cw 9/15/92

PLANS APPROVED BY Raymond HODges/Mark Rifkin REVISED DATE 3/19/92

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 AND RETURNED 10/15/92
Serial # 45728 - 1500 gal. underground purple tank

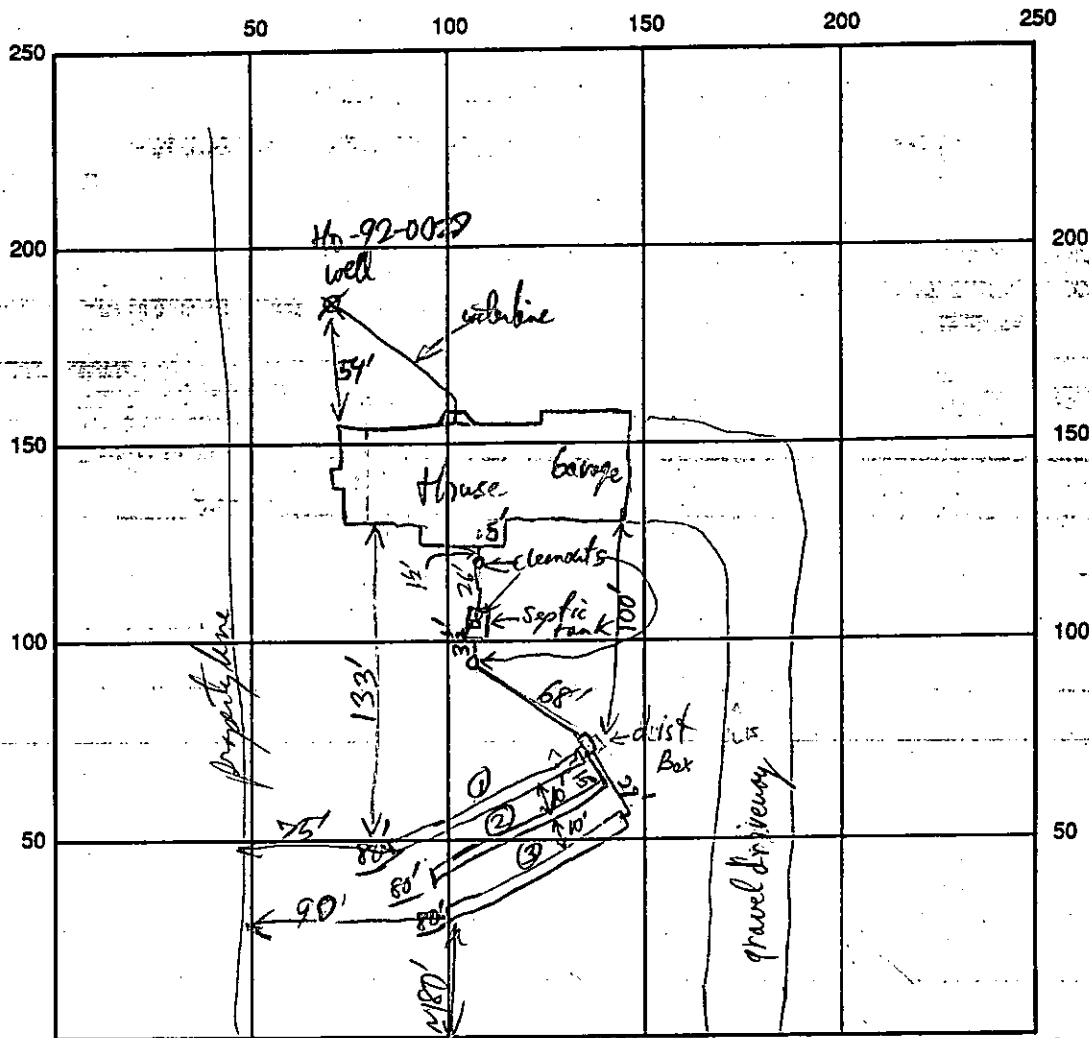
PERMIT VOID AFTER TWO YEARS

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 PVA 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**

A 26356



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

5' riser over center manhole on S.T.

SEPTIC TANK LEVEL 1250 gal (50' from S.T.) CLEANOUTS House Outlet, S.T. inlet

DISTRIBUTION BOX LEVEL Flt. po. is 4 1/2' below grade

DRAIN FIELD/TITLE DEPTH 7' 6 1/2' / 5 1/2' FT. TRENCH WIDTH 3' FT. INLET DEPTH 5' 5' / 3 1/2' FT.

EFFECTIVE GRAVEL DEPTH 2' 1 1/2' / 2' FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 Total ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: Tank set, Tank top is 5 1/2' below final grade. OK to use three 80' trenches rather than four 60' if contractor prefers. Call tomorrow for trench inspection RPP 9/16/92
 First Trench OK, bottom @ 6 1/2' to 7' below grade - OK to travel & dig other trenches, OK to cover S.T. & supply lines back to House Connection. - Trench #2 OK to gravel fill. RPP 9/17/92 OK to cover RPP 9/18/92

DATE SYSTEM APPROVED 9/18/92 INSPECTOR RPP

9-11-92
1:30pm
9/15/92 ASAP

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 48491
AN 26356
DISTRICT 5th
DATE 9/14/92

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933x 313-2640

DATE SYSTEM APPROVED _____
INSPECTOR _____

Fogle's Septic Clean, Inc.

IS PERMITTED TO INSTALL ALTER _____

ADDRESS 558R Obrecht Road, Sykesville, Maryland 20784 PHONE 795-5670

SUBDIVISION Kalmia Farms LOT 13, Sec. 2 ROAD 14731 Betula Way

PROPERTY OWNER James & Elizabeth R. Lokey

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

*BLDR REPORTS FILL ON SEPTIC AREA LEFT
FALSE IMPRESSION THAT SYSTEM WAS TO BE
TOO DEEP. TEST HOLE AT HIGH ELEVATION
CONFIRMED IMPRESSION BY SHOWING ROCK AT 10'.
BUILDERS MEASUREMENTS INDICATE INLET CAN BE AS SHALLOW AS
3' BELOW ORIGINAL GRADE AT SPECIFIED STARTING POINT.*

TRENCHES - Trench to be ³ 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 7 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 230 feet from the front lot line and 120 feet from the left side of the lot as seen when facing the lot from Betula Way. Run the trenches toward both side lines.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *OK 9/15/92 RH*

*OK TO INSTALL SYSTEM AT DESIGNATED STARTING POINT,
WITHIN SWITCH TO 3' WIDE 2' STONE DEPTH - 270 LINEAR FT
TO AVOID APPARENT ROCK PROBLEM*

PLANS APPROVED BY Raymond Hodges/Mark Rifkin OR REVISOR DATE 3/19/92

COVER NO WORK UNTIL INSPECTED AND APPROVED *DIG TEST HOLE AT SAME ELEVATION AS DIST BOX AND PROCEED AS PER ORIGINAL SPEC AS LONG AS*

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM *4' TO ROCK IS MAINTAINED.*

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. *CW*

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

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 PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*START NEW
INSP. SHEET*

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

9/15/92 R/P

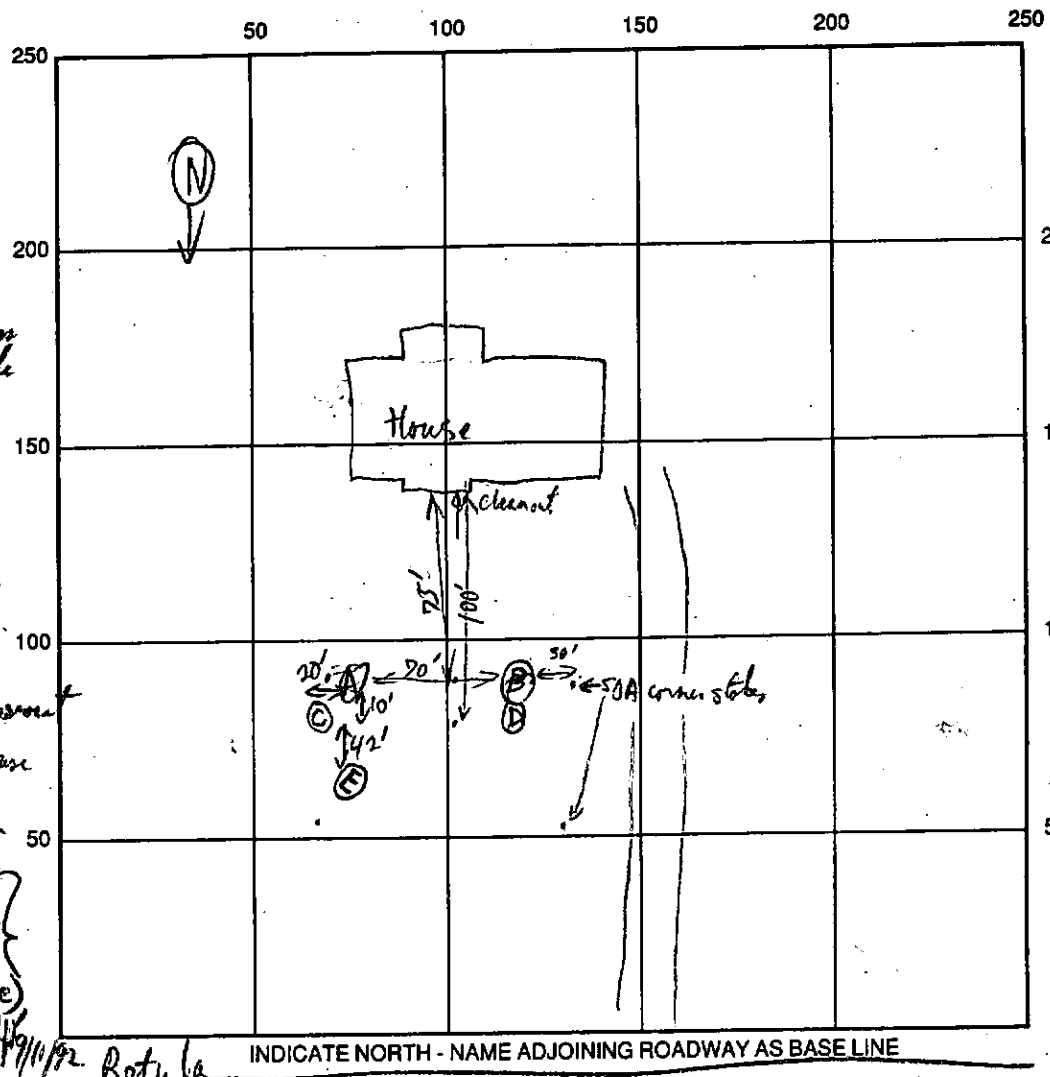
Hole C Refusal @ 10'

Max 30% Rocks are Mica + Chert Schist Not Gneiss as in A+B at 3 1/2' 10' Bedding dips @ 15% slope from Horizon toward House

Hole B similar to Hole C but (12 PD) deep in Sandy loam (30% loam) before refusal, probably @ 8-10 ft on south side near Hole B

Hole E 2ft Loom Red Brown mica lam red yellow grey white sandy loam to loamy sand 30% rocks refusal @ 11ft

Test Hole A Rock @ 7 1/2' (Refusal)
Test Hole B Refusal @ 12' Solid rock @ 10' + Pocket of 75% S. loam @ around of Test Hole soil profiles generally loam to sandy loam should peak out at any depth except in the bed.
Contractor Explained same for attention when digging foundation of basement - only 1 ft or less fill there * SDA, House is @ Crest of Hill w/ 60' from SDA
To get gravity flow DB in let in vent would be 4 1/2' + 1/2' (ie. Not feasible here)



SEPTIC TANK LEVEL _____ CLEANOUTS _____
DISTRIBUTION BOX LEVEL _____
DRAIN FIELD/TITLE DEPTH _____ FT. TRENCH WIDTH _____ FT. INLET DEPTH _____ FT.
EFFECTIVE GRAVEL DEPTH _____ FT. TOTAL LENGTH _____ FT.
NUMBER OF TRENCHES _____ ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.
DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.
ABSORBENT AREA _____ SQ. FT.

9/15/92 changed to shallow Trench System (4x60' or 3x80') 3' wide and only 2 ft gravel fill to get gravity flow from house out lot.

REMARKS: House Cleanout at 7 ft below grade and it pipe in vent where Septic Tank to go. with rock @ Test Holes A + B Trench bottom should be at 4-6' below grade - recommend pump & pump chamber from ST to drain lines. B. Nixon put a stop work order earlier today R/P 9/14/92
9/14/92 OFFICE MEETING FOLLOWED BY TELEPHONED ELEVATION DETAIL TAKEN AT SITE
BY OWNER & BUILDER INDICATE THAT SHALLOW SYSTEM CAN BE INSTALLED AT PLANNED LOCATION FROM EXISTING PLUMBING - TO BE CONFIRMED AT SITE
9/15/92 ELEVATION INFORMATION DETERMINED TO BE INCORRECT. AGREED COURSE OF ACTION DISCUSSED WITH BUILDER & SERVICE CONTRACTOR MOVE DOWNHILL 20-25'; DIG PEAR HOLES TO DETERMINE BIRTH TO BEDROCK; INSTALL DATE SYSTEM APPROVED _____ INSPECTOR _____

TRENCH BOTTOM 4' ABOVE BEDROCK (USE 3' WIDE TRENCHES W/ 2' STONE TO ESTABLISH LOWEST POSSIBLE INLET). RUN PIPE BACK TOWARD HOUSE AND SEPTIC TANK ASIDE AS SERVICE PIPE WILL ALLOW. CONNECT TO EXISTING HOUSE SERVICE LINE IF POSSIBLE OR RAISE AS NECESSARY - MAY NEED TO PENETRATE BASEMENT SOURCE IN C/W/R P

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND · DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 26356
P 8/23/83

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

DISTRICT 5th
DATE _____

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 Kimberly Hill, owner + to Kalmia Farms Nursery *JAMES R. Elizabeth Lokey*

ADDRESS 2901 Olney - Sandy Spring Rd, Olney, Md. PHONE 434-0936
974-36681

PROPERTY LOCATION: _____
SUBDIVISION KALMIA FARMS - SECTION 2 LOT NO. # 13 *Final*

ROAD AND DESCRIPTION Philadelphia Mill Road (14731 Betula Way)

SIZE OF LOT _____ TYPE BLDG. _____

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 _____
BLDG. PERMIT SIGNED AND RETURNED 7/22/82
Serial # 44282 - SFD
3/Bedman

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

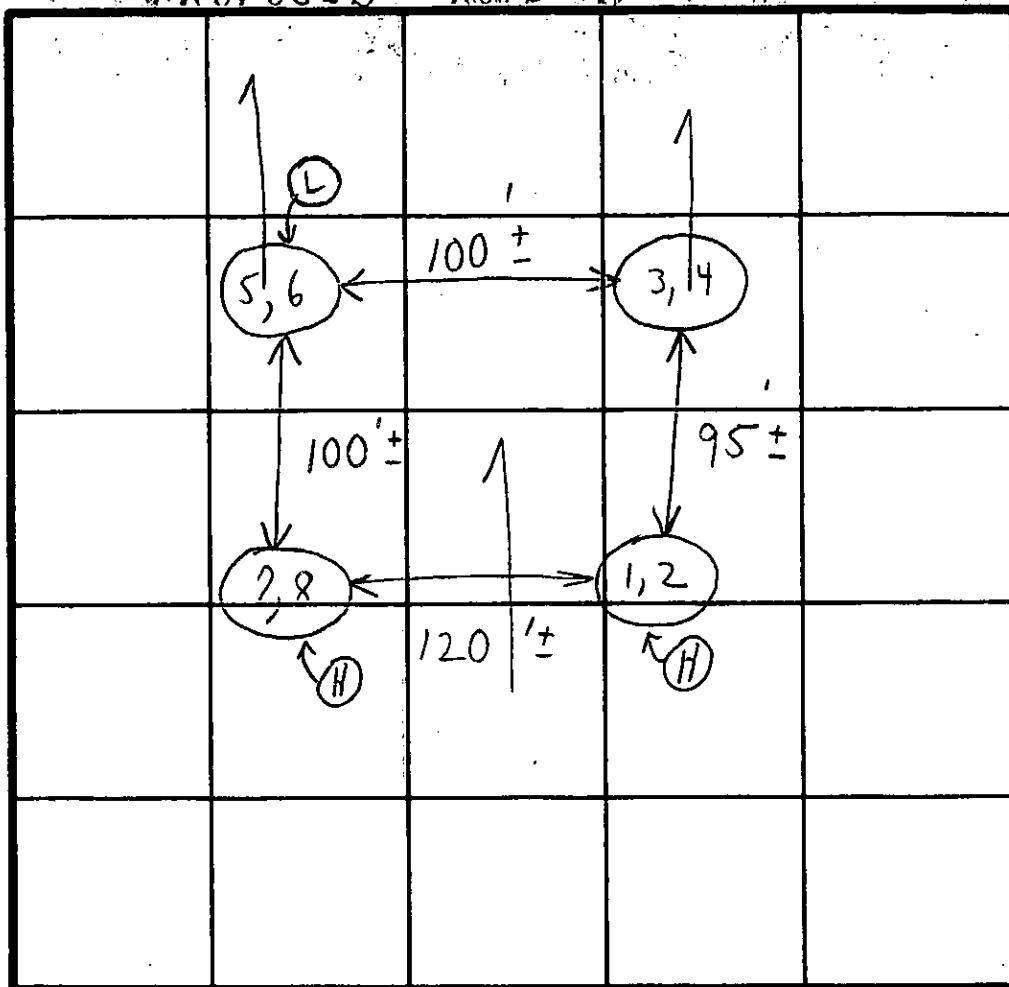
REASONS FOR REJECTION OR HOLDING 3/21/80 Resubmitted @ office.
C.B.S.

THIS IS NOT A PERMIT

PROPOSED ROAD

#13 Sec. 2

SOIL PROFILE
 BELOW
 CLAY
 LOAM
 ↓



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/10/28	1	4'	1:38	1:41	1:41	1:47	6 min
	(H) 2	11'	1:38	1:41	1:41	1:54	13 min
	3	5'	2:08	2:10	2:10	2:17	7 min
	4	11'	2:08	2:18 ^{outs}	2:18	2:23	9 min ±
	5	4'	2:07	2:09	2:09	2:11	2 min
	6	13'	2:07	2:11	2:11	2:17	6 min
	7 x.	5'	2:06	2:08	2:08	2:12	4 min
	8	12'	2:06	2:09	2:09	2:14	5 min
						8	52

4' Untest

7 min. avg

REMARKS Tested @ stakes, in area of small shrubs

TYPE OF SOIL _____

TESTED BY C. B. W. ALSO PRESENT { Butterfield's men }

1-3

Use - 3/80
Kalmia Farms
13 7/13/79 Plot

Sec II

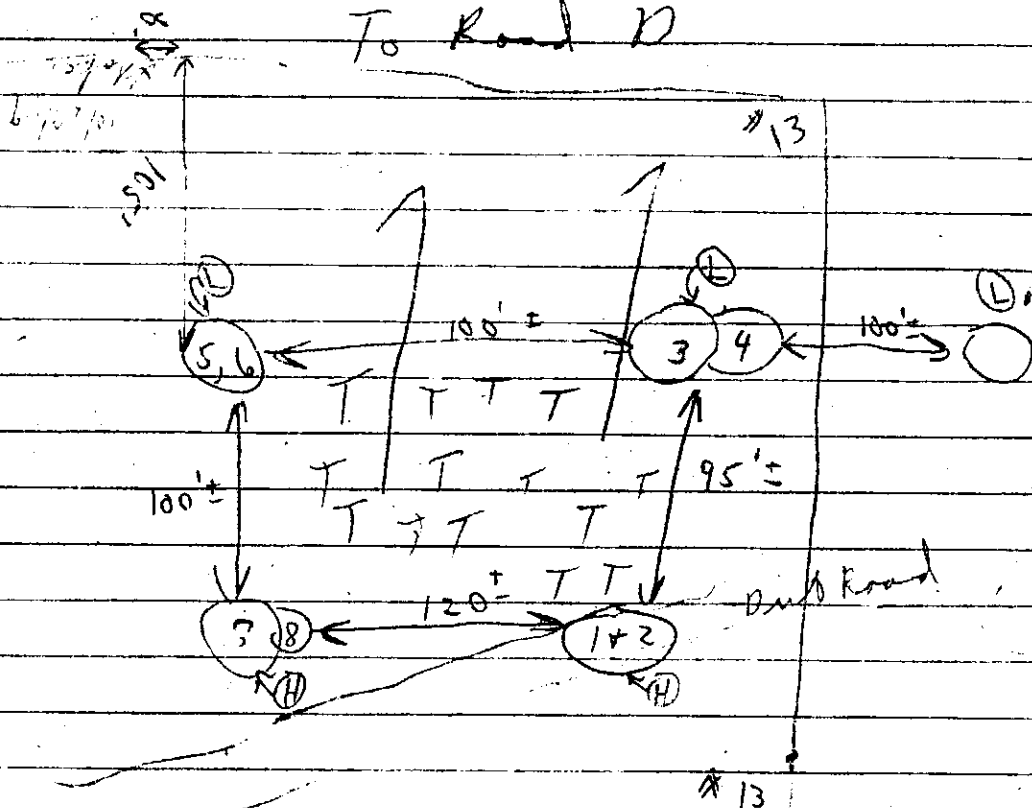
lot 13

Soil Profile	Depth / Note	1st inch	2nd inch	End	Total
Balena clay	4' ①	1:38	1:41	1:47	6 in
	11' ②	1:38	1:41	1:54	13 in
	5' ③	2:08	2:10	2:17	7 in
	11' ④	2:08	2:10	2:23	9 in
	4' ⑤	2:07	2:09	2:11	2 in
	13' ⑥	2:09	2:11	2:17	6 in
	5' ⑦ pt	2:06	2:08	2:12	4 in
	12' ⑧	2:06	2:09	2:14	5 in
					852 7 in avg

5/10/78
Second in P.M.

4' hole

To Road D



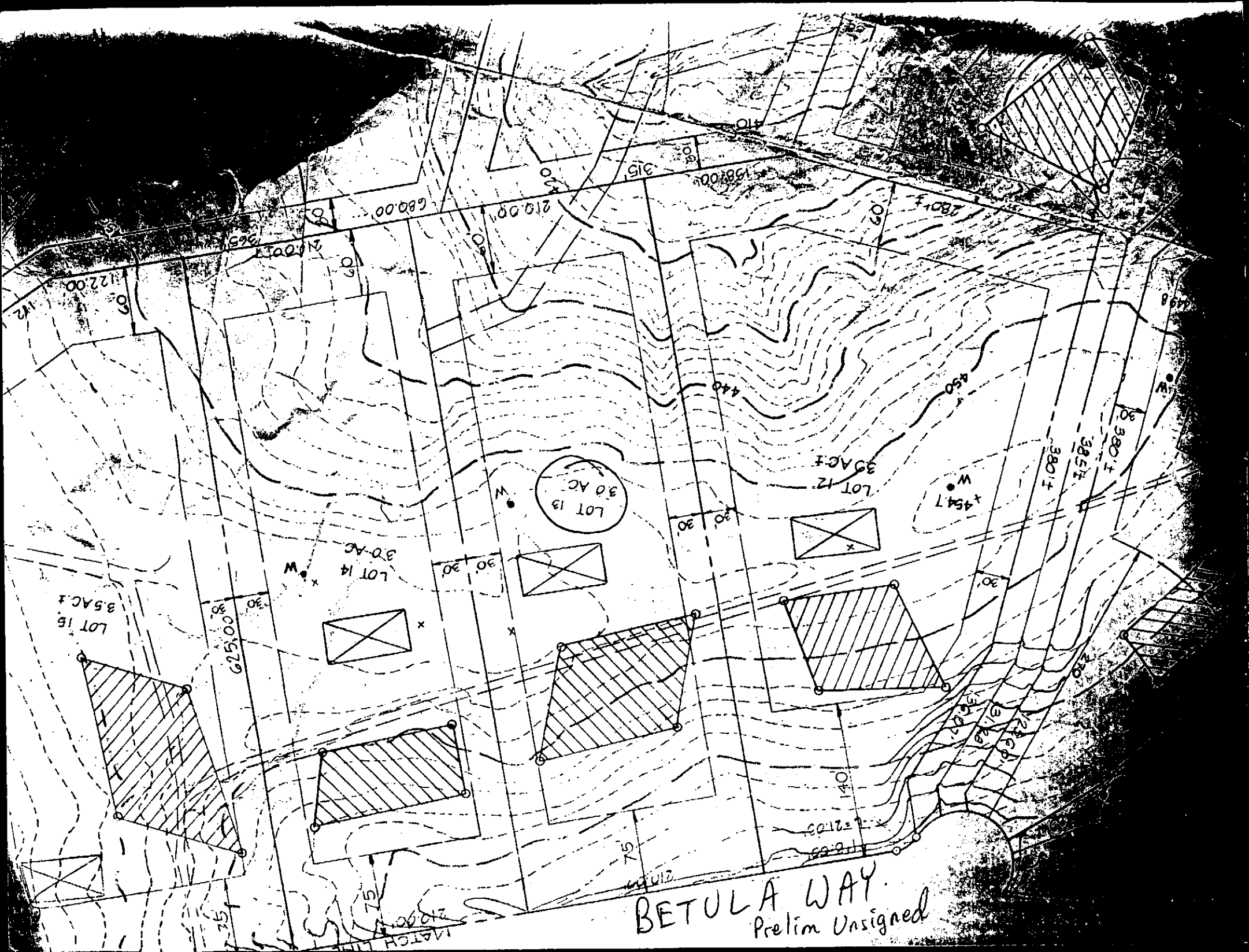
Treated in small shale treated at stake

of Butterham
① Ship ② Down
③ Beam ④

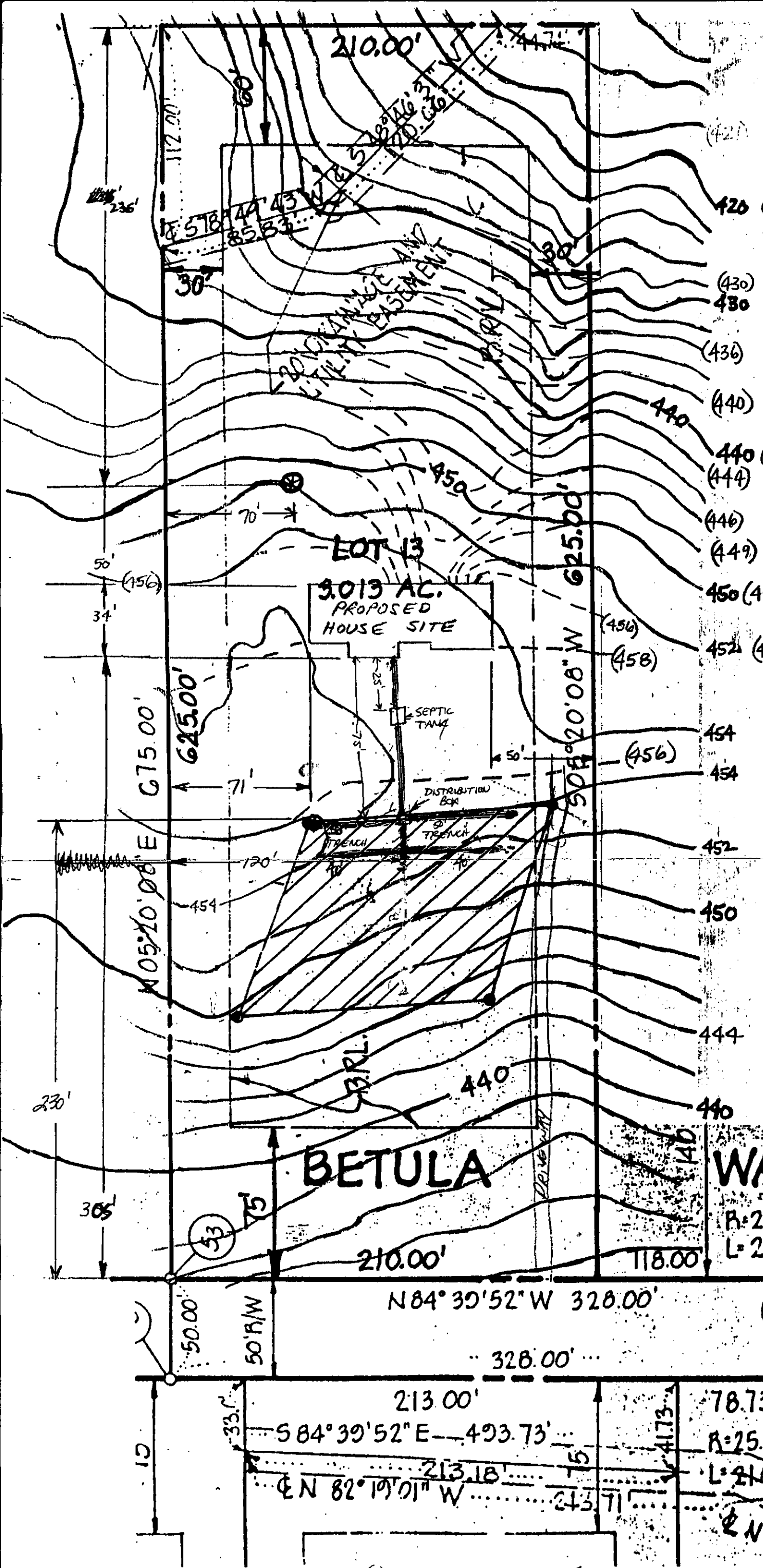
In case of water & better bottom

Small in part of

* 13

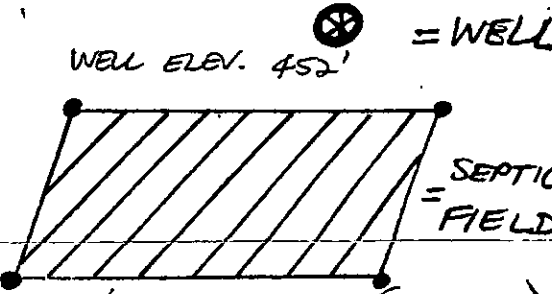


BETULA WAY
Prelim Unsigned

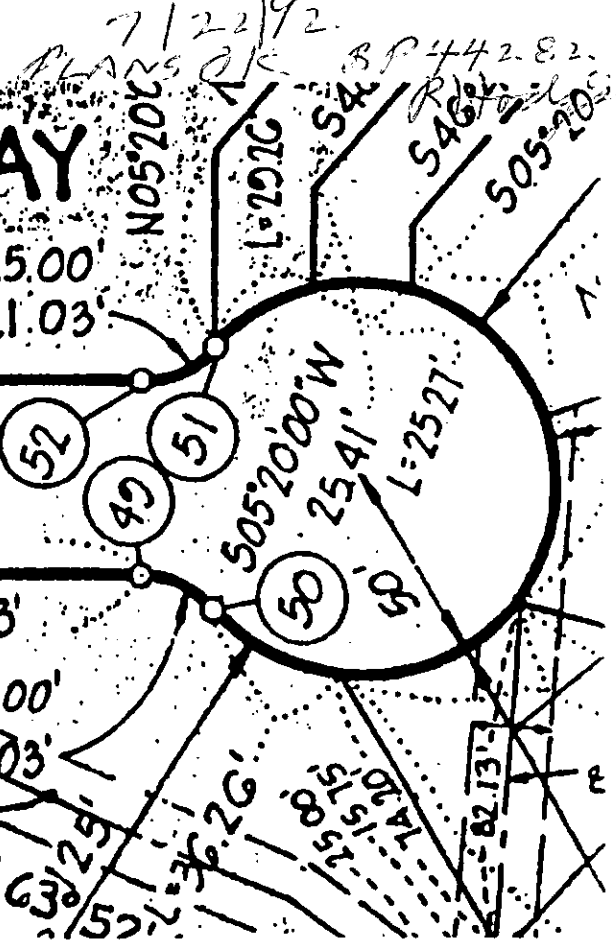


- BASEMENT FLOOR ELEV. — 452.3
- INVERT ELEV. OUT OF HOUSE — 451.8
- INVERT ELEV. INTO SEPTIC TANK — 451.5
- INVERT ELEV. OUT OF SEPTIC TANK — 451.2
- INVERT ELEV. INTO DISTRIBUTION BOX — 450.7
- INVERT ELEV. INTO TRENCH — 450.5
- EXISTING ELEV. AT SEPTIC TANK — 454.5
- EXISTING ELEV. AT DISTRIBUTION BOX — 454
- EXISTING ELEV. AT TRENCH — 454
- HOUSE TO SEPTIC TANK — 25'
- HOUSE TO WELL — 50'
- HOUSE TO SEPTIC FIELD AND DISTRIBUTION BOX — 75'
- WELL TO SEPTIC FIELD — 160'
- WELL TO LOT LINE — 70'
- WELL TO ROAD — 230'
- SEPTIC FIELD TO LOT LINE — 26'

450 ——— = CURRENT ELEVATION
 (450) - - - - = PROPOSED ELEVATION



- 180' OF TRENCH (50, 50, 40) (MAX) 4 BEDROOMS, 4" OF STONE
- SILT FENCE WHERE APPLICABLE
- FIRST FLOOR ELEVATION 466'
- DISTRIBUTION BOX 120' FROM LEFT LOT LINE & 230' FROM FRONT LOT LINE



JAMES R. LOKEY (RICK) (W) 202-906-1542 (7-3pm)
 (H) 301-434-0936 (4-6pm)
 LOT #13 - KALMIA FARMS, SECTION II

APPROX. SCALE: 1" = 50'

B 1 **5530** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS: 3-6 ON ALL CARDS)

STATE OF MARYLAND
 APPLICATION FOR PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-92-0027
 fill in this form completely

Date Received (APA) **03/17/92**
OWNER INFORMATION
 15 Last Name **K** Owner First Name **Y**
 36 Street or RFD **1**
 57 Town **1** 70 State **72** Zip **76**

B 3 LOCATION OF WELL
 8 COUNTY **1** 21
 23 SUBDIVISION **1** 42
 SECTION **2** 44 46 LOT **13** 48 50
 52 NEAREST TOWN **1** 71
 MILES FROM TOWN (enter 0 if in town) **3** 73 **M** 76 77 78

DRILLER INFORMATION
 Driller's Name **Joseph P. Maguire** 77 License No. **8**
 Firm Name **Joseph P. Maguire**
 Address **5512 Ridge Rd. Mt. Airy, Md. 21771**
 Signature **Joseph P. Maguire** Date **3/17/92**

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NEAR WHAT ROAD **Betula way**
 DISTANCE FROM ROAD **400** 37 ENTER FT or MI **FT** 38 39

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5** 8
 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. **A#26356**
 STATE SIGNATURE _____ DATE ISSUED **032092** EXP. DATE **12/20/92**
 NORTH GRID **507000** EAST GRID **0792000**

APPROXIMATE DEPTH OF WELL **320** FEET

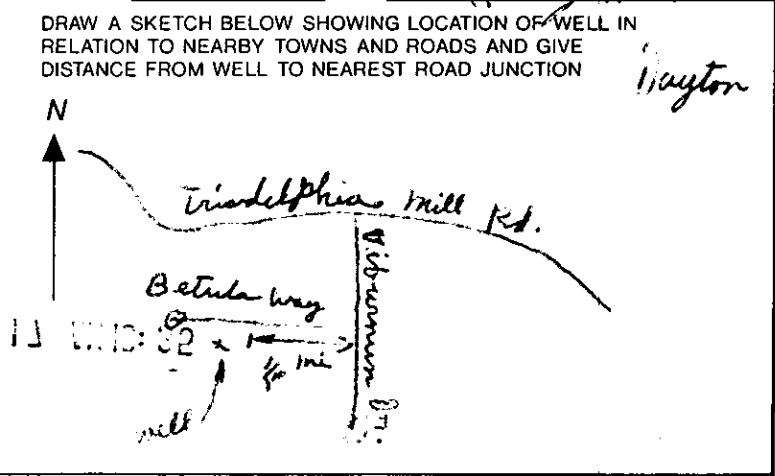
APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

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

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 DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

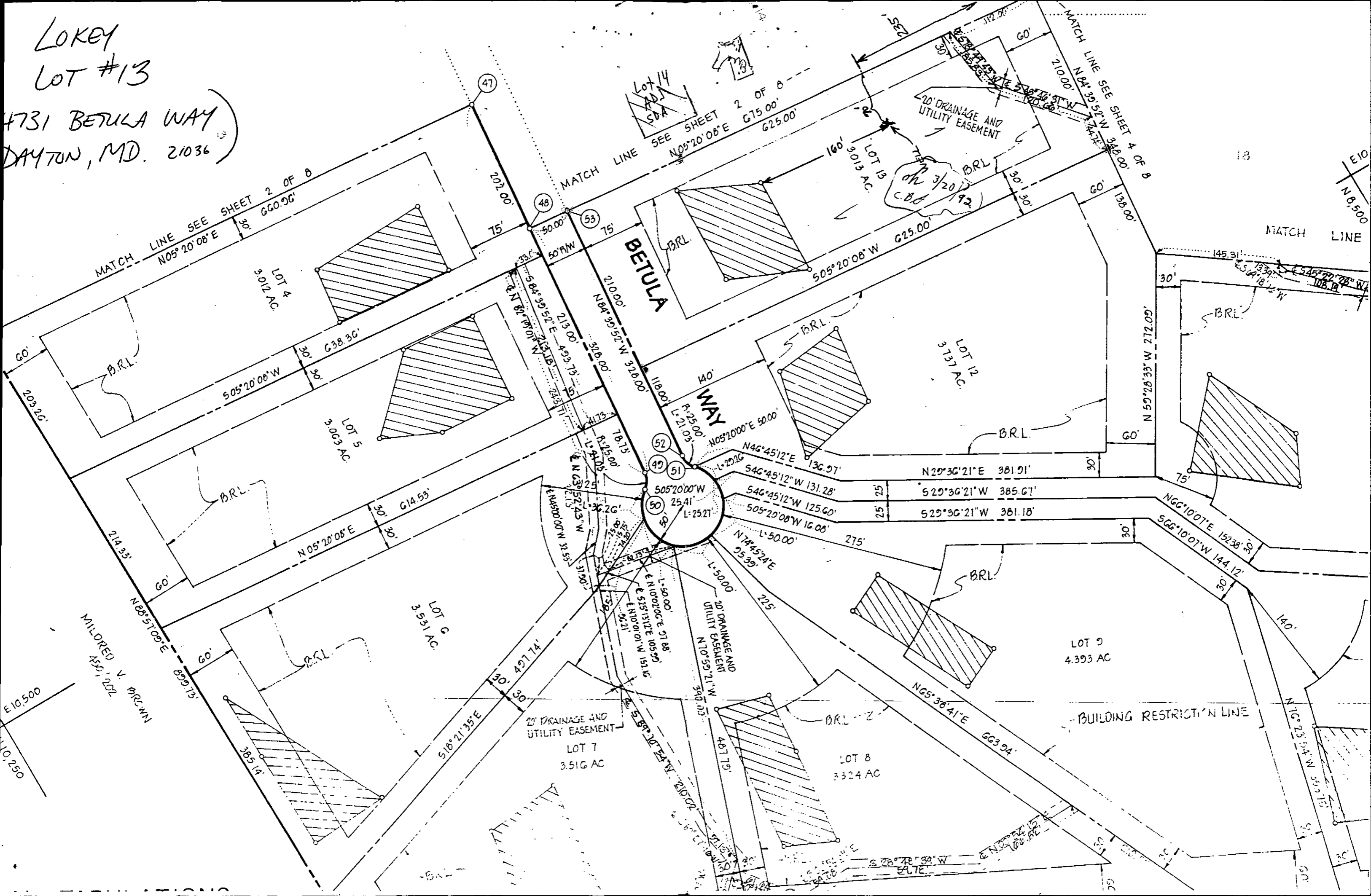
Not to be filled in by driller (OEP USE ONLY)
 APPROX. PERMIT NUMBER _____ GAP _____
 FORCE WRITE INITIALS IN BOX PERMIT No. **HO-92-0027**

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 **776 2**
 N **500 7**



LOKEY
LOT #13

731 BETULA WAY
DAYTON, MD. 21036



C1 5198

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=26356

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-92-0027

OWNER: LOKEY, J. R. last name BETULA WAY first name TOWN DAYTON SUBDIVISION KALMIA FARMS SECTION 2 LOT 13

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Includes handwritten entries: SAND 0-36, GRAY MICA ROCK 36-200w.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 9 NO. OF POUNDS 346 GALLONS OF WATER 54 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 34 ft.

CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40

OTHER CASING (if used) diameter inch 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 H0 39 200 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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

THEREBY 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...

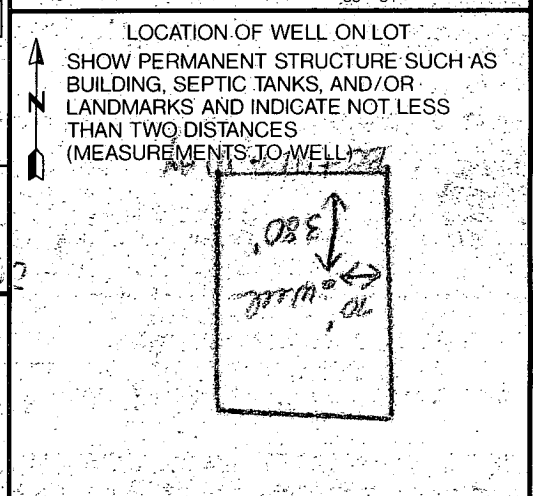
DRILLERS IDENT. NO. 238 DRILLERS SIGNATURE Joseph Malone SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework, if different from permittee)

GRAVEL PACK 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.) W Q 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 Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 47 WHEN PUMPING 45 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 (nearest foot)



COUNTY