

C1 14510

SEQUENCE NO. (MDE 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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER W516934

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

6/24/02 OK (BB)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3402

OWNER: Attshuler last name, Stephen first name; STREET OR RFD: MacClintock Dr; TOWN: Glenwood; SUBDIVISION: WARFIELD EST; SECTION: ; LOT: 13B

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. Rows include: Brown Shale (0-12), Gray Limestone (12-190), White (190-191), Gray Limestone (191-260), White (260-261), Gray Limestone (261-300).

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N); TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC); NO. OF BAGS 7 NO. OF POUNDS 658; GALLONS OF WATER 42; DEPTH OF GROUT SEAL (to nearest foot) from 8 ft. to 18 ft.

CASING RECORD

MAIN CASING TYPE: ST (STEEL) 60-61 inch diameter, 20 foot depth; OTHER CASING (if used): none.

SCREEN RECORD

screen type or open hole: HO (OPEN HOLE) 20 inch diameter, 300 foot depth.

PUMPING TEST

HOURS PUMPED (nearest hour) 06; PUMPING RATE (gal. per min.) 3; METHOD USED TO MEASURE PUMPING RATE 190L; WATER LEVEL (distance from land surface) BEFORE PUMPING 16 ft., WHEN PUMPING 135 ft.; TYPE OF PUMP USED (for test) S (submersible).

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES (NO); TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29: 29; CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31-35; PUMP HORSE POWER 37-41; PUMP COLUMN LENGTH (nearest ft.) 43-47; CASING HEIGHT (circle appropriate box and enter casing height) +2 above LAND SURFACE, -01 below (nearest foot).

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

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).

I HEREBY 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. 1 M SD 009; DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION); LIC. NO. 1 D

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

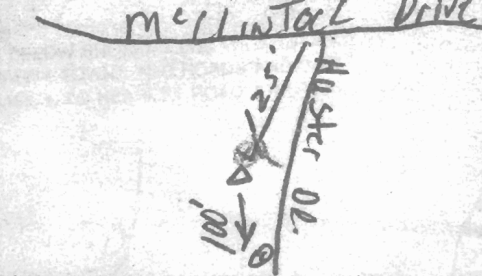
DEPTH (nearest ft.)

Table with columns: A, C, H, S, R, E, N; rows: 1, 2, 3; values: 8, 9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q; TELESCOPE CASING LOG INDICATOR OTHER DATA

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)



B 1 0707
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-3402
fill in this form completely

please print or type

Date Received (APA)

8 MM DD YY 13

OWNER INFORMATION

Altshuler, Stephen
6602 Camberice Terrace
Elkridge Md

B 3 LOCATION OF WELL

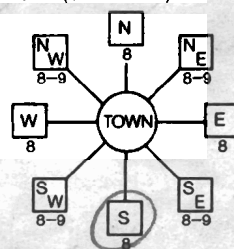
Howard
Warfields Estates
SECTION 44 46 LOT 48 50
Elkwood

DRILLER INFORMATION

Allen Compton MS D009
Fogles Well Drilling
580 Obrecht Rd
3-26-02

MILES FROM TOWN (enter 0 if in town) 3

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



McClinton Dr
NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

160
DISTANCE FROM ROAD
ENTER FT OR MI
TAX MAP: 21 BLK: 5 PARCEL 164

B 2 WELL INFORMATION
APPROX. PUMPING RATE 5
AVERAGE DAILY QUANTITY NEEDED 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard WS16934
COUNTY NAME COUNTY NO.

STATE SIGNATURE
DATE ISSUED 050302 Mark Kiffin 5/3/03
NORTH GRID 526 000 EAST GRID 0794 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & Dr
- AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
- CABLE REVERSE-ROTARY DRIVE-POINT

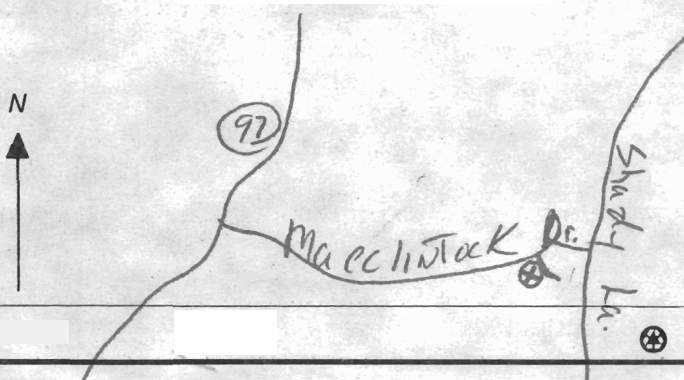
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
- 1.
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 794
N 526

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



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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G
PERMIT No. HO-94-3402

SPECIAL CONDITIONS
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARA

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3402
 Location of property (road) MacClintock Dr
 Subdivision WARFIELD EST Lot 13B Block _____ Plat _____ Sec. _____
 Well Driller Fogle's Owner Altshuler

Depth of well 300'
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 16'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 20
 Total time 30 min to reach pumping water level 135 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	16	3		20
8:15	89	3		20
8:30	75	19		3.1
8:45	135	19		3.1
9:00	135	19		3.1
9:15	135	19		3.1
9:30	135	19		3.1
9:45	135	19		3.1
10:00	135	19		3.1
10:15	135	20		3.1
10:30	135	20		3.1
10:45	135	20		3.1
11:00	135	20		3.1
11:15	135	20		3.1
11:30	135	20		3.1
11:45	135	20		3.1
12:00	135	20		3.1
12:15	135	20		3.1
12:30	135	20		3.1
12:45	135	20		3.1
1:00	135	20		3.1
1:15	135	20		3.1
1:30	135	20		3.1
1:45	135	20		3.1
HD-224 2:00	135	20		3.1
2:15	135	20		3.1
2:30	135	20		3.1

FROM: McCo Environmental

FW: ID: 4107132648

Nov. 16 2003 12:46PM PJ

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2640

Information Form for the Installation of the Well Pump, Pressure Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to List and Occupancy approval.

Company Name: DO IT Plumbing Telephone #: 410-552-1943
Address: 104 E. Little Rd
Sykesville Md 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): _____ License# _____

*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals must be reported to the appropriate licensing agency.

Name of Property Owner: Timothy Home Town Telephone #: 410-531-6444
Subdivision: Warfield Estate Lot #: 13 Well Tag #: HO-94-3402
Site Address: 14512 Macclintock Dr
Stonewood Md 21738

Submersible Pump Data
Make: Accu-21 Adapter: _____ Well Cap: Electric Conduit
Model #: _____ Size: 1/2" Two piece cap: yes
Pump Capacity: 5 GPM Depth: 42" (36" min) Screened, lined well cap: yes
Well Yield: 2 GPM NSWC approved: yes Cap secured to casing: yes
Depth of well encountered at time of pump installation: 220 (100) Conduit secured to well cap: yes
If pump capacity exceeds well yield, flow meter out off switch is required by NSPC 1900 Section 17.8.4
Torque wrench, Cable guards, or other acceptable method used: _____ Must be used
Safety rope, if used, attached to brine pump adapter or other acceptable method: _____

Piping to house
Type: Plastic (PVC) Home Connection: _____
PSI: 200 (160 psi min) PVC sleeve to undisturbed soil at well: 10 ft of
Depth of supply line: 12 (36" min) Approximate length of sleeve: 10 ft
Sleeve caulked and sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: _____ Date: 3-29-03

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____ Date Insp. Approved: 2/14/03 Inspector: (50) BB
Inspection Data:
Fits adapter watertight & water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope not seen outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pressure adapter ✓

984 5093

CLINTOCK DRIVE

HUSTER DRIVE

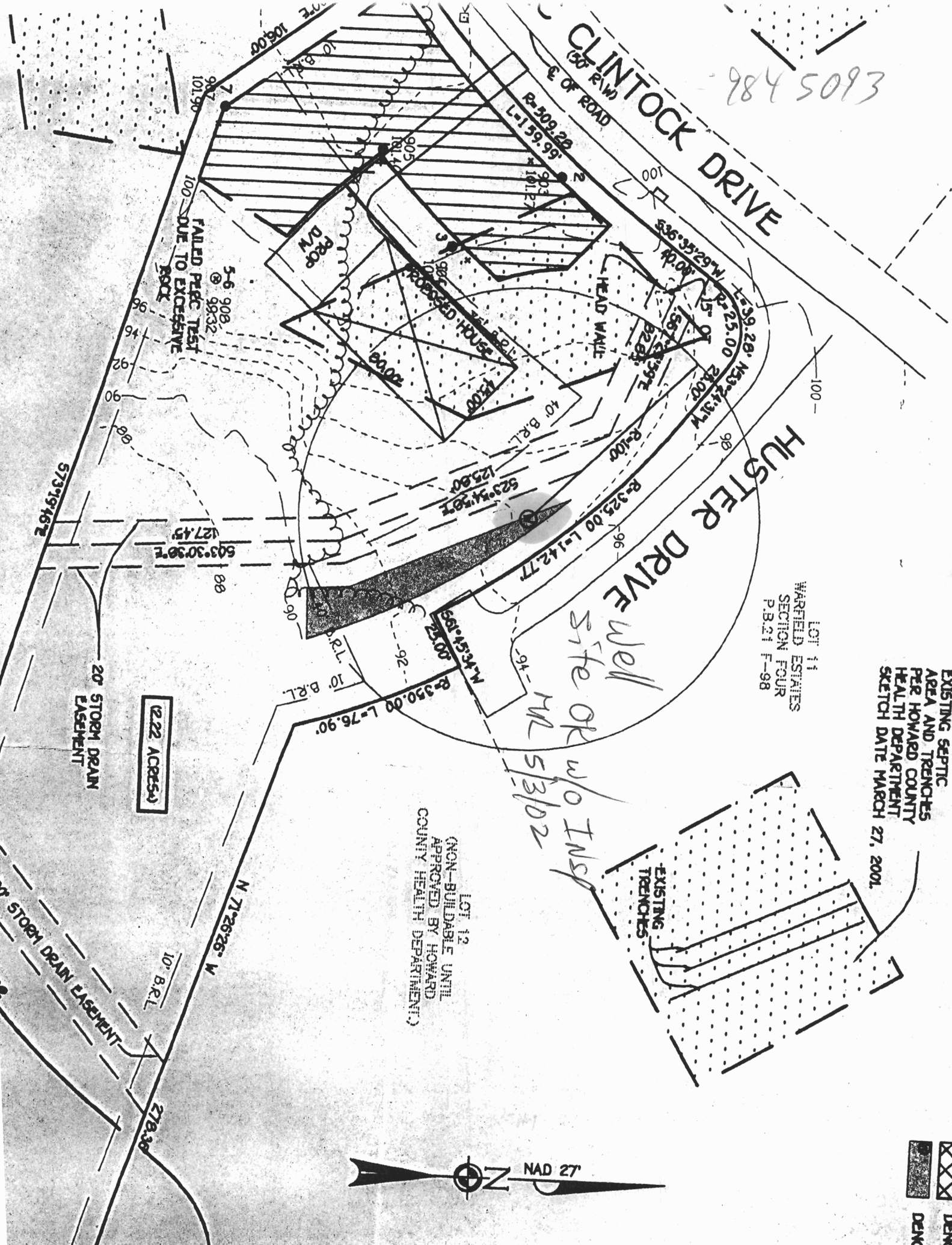
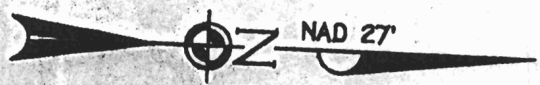
LOT 11
WARRIED ESTATES
SECTION FOUR
P.B.21 F-98

EXISTING SEPTIC
AREA AND TRENCHES
PER HOWARD COUNTY
HEALTH DEPARTMENT
SKETCH DATE MARCH 27, 2001.

Site well
OR
w/o INSP
ML 5/3/02

LOT 12
NON-BUILDABLE UNTIL
APPROVED BY HOWARD
COUNTY HEALTH DEPARTMENT

(222 ACRES)



5-6 909
@ 98-32
FAILED PEG TEST
DUE TO EXCESSIVE
MOIST

20' STORM DRAIN
EASEMENT

20' STORM DRAIN EASEMENT

EXISTING
TRENCHES

HEAD WALK

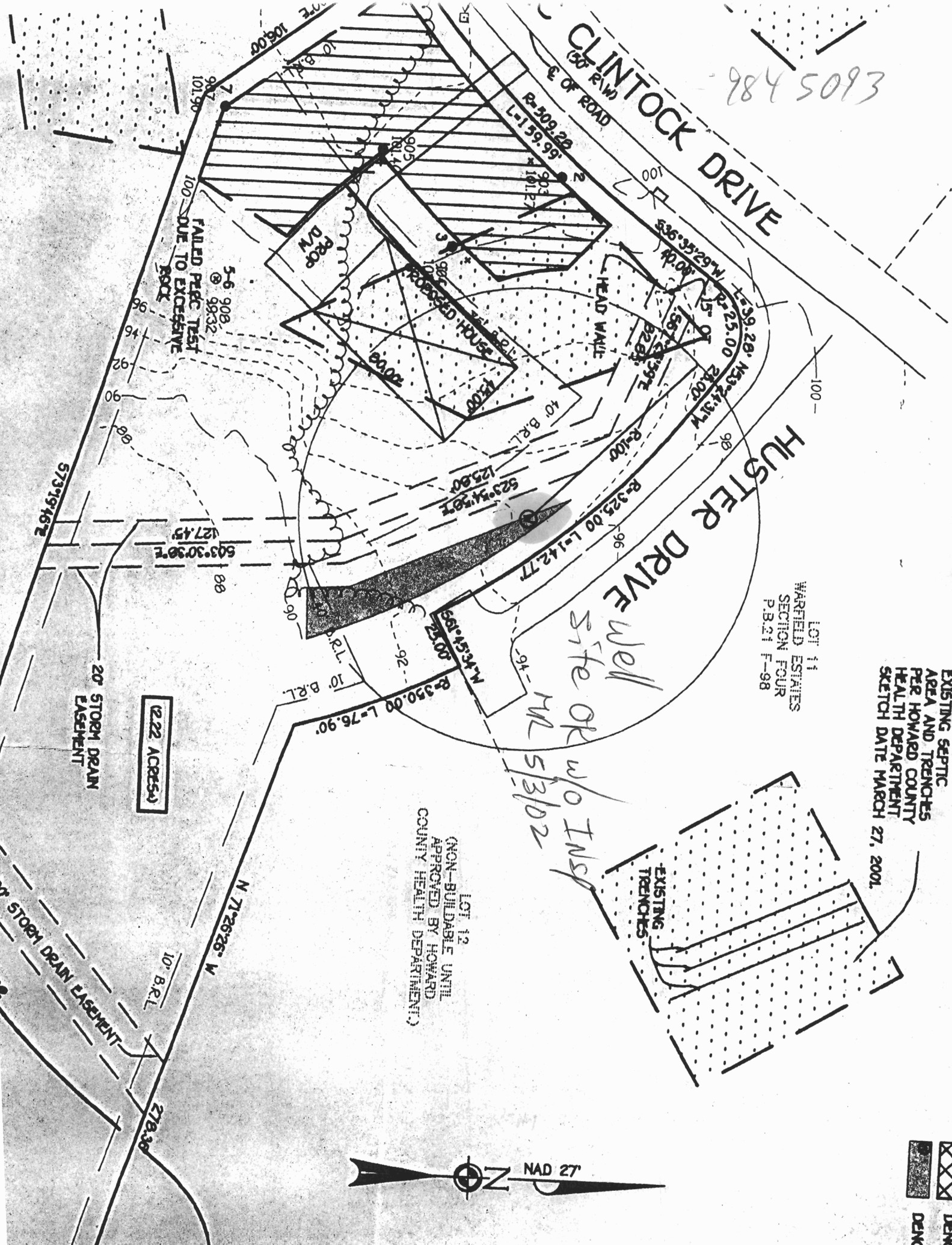
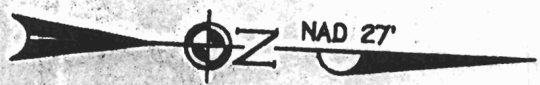
PROP
D.W.

PROPOSED HOUSE

EXISTING
TRENCHES

(222 ACRES)

LOT 12
NON-BUILDABLE UNTIL
APPROVED BY HOWARD
COUNTY HEALTH DEPARTMENT



5-6 909
@ 98-32
FAILED PEG TEST
DUE TO EXCESSIVE
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EXISTING
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HEAD WALK

PROP
D.W.

PROPOSED HOUSE

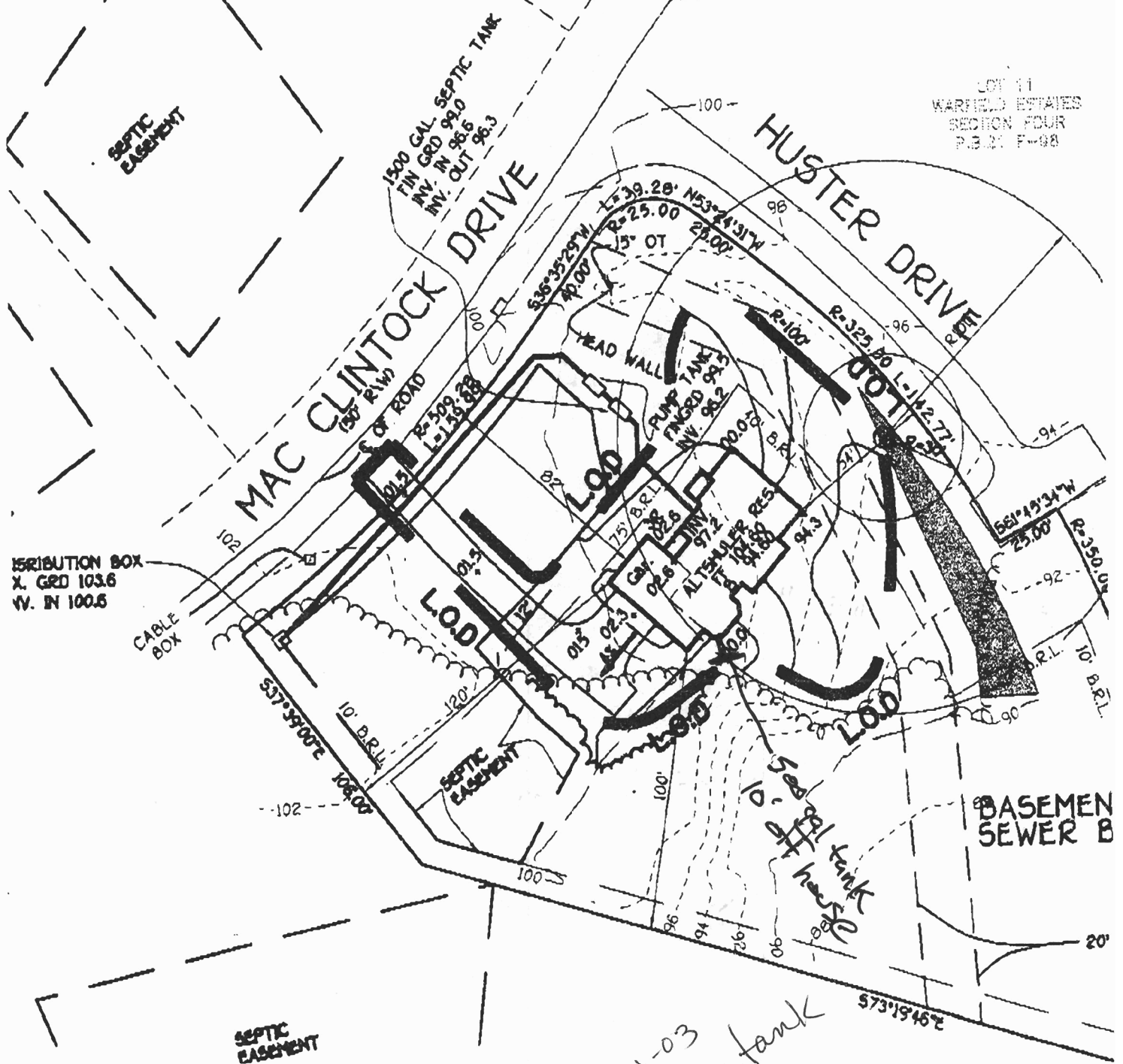
EXISTING
TRENCHES

(222 ACRES)

LOT 12
NON-BUILDABLE UNTIL
APPROVED BY HOWARD
COUNTY HEALTH DEPARTMENT

35
ESTATES
FOUR
P.78

LOT 11
WARFIELD ESTATES
SECTION FOUR
P.B. 21 F-88



2-21-03
Propane tank
OK
KP

WARFIELD ESTATES
SECTION FOUR
P.B.21 F-08

LOT 34
WARFIELD ESTATES
SECTION FOUR
P.B.28 P.78

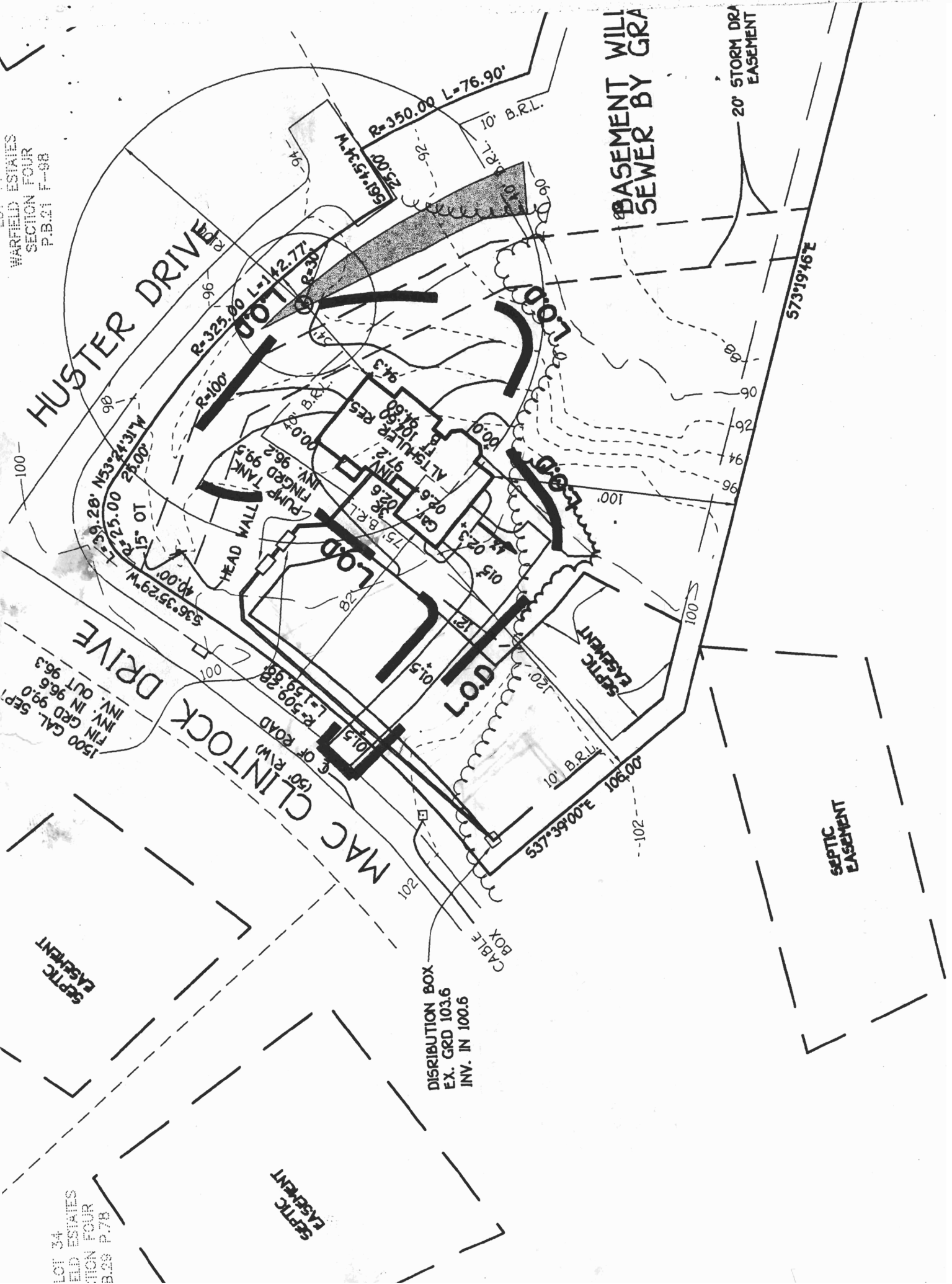
HUSTER DRIVE

MAC CLINTOCK DRIVE

BASEMENT WILL
SEWER BY GRA

20' STORM DRA
EASEMENT

SEPTIC
EASEMENT



1500 GAL. SEP.
FIN GRD 99.0
INV. IN 96.6
INV. OUT 96.3

DISTRIBUTION BOX
EX. GRD 103.6
INV. IN 100.6

CABLE
BOX

SEPTIC
EASEMENT

SEPTIC
EASEMENT

SEPTIC
EASEMENT

SEPTIC
EASEMENT