

C 1 14243 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

ST/CO USE ONLY DATE Received MM DD YY 11 13 13

DATE WELL COMPLETED MM DD YY 11 06 13

Depth of Well 400 (TO NEAREST FOOT) 3/5/2014

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2590

OWNER Twardzik last name 3062 Broadleaf Frank first name TOWN Glenwood

WELL SITE ADDRESS SUBDIVISION SECTION LOT 11

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include: Moist loam Fine Sandy Micaceous silt, Weckhard Rock, Rock, 4x geothermal.

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 16 NO. OF POUNDS 200 GALLONS OF WATER 40 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 40 ft.

CASING RECORD

Diagram showing casing types (ST, CO, PL, OT) and MAIN CASING TYPE with diameters and depths.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD

Diagram showing screen types (ST, BR, PL, HO, OT) and DEPTH (nearest ft.)

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 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) + above 49 - below 49 LAND SURFACE (nearest foot) 50 51

NUMBER OF UNSUCCESSFUL WELLS:

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. MWD 520 DRILLERS SIGNATURE

LIC. NO. D

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

Table with columns: SLOTTED SIZE 1, 2, 3 DIAMETER OF SCREEN (NEAREST INCH) from, to

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 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.264827 LONGITUDE 77.035094 (DEFAULT COORD. WGS 84)

NOTES:

B 1 0639

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
54545 please type

STATE PERMIT NUMBER

HO - 95 - 2590  
70 fill in this form completely 79

Date Received (APA)  
09/11/13

OWNER INFORMATION

8 MM DD YY 13  
Twardzik Frank  
15 Last Name Owner First Name 34  
3662 Broadleaf Ct  
36 Street or RFD 55  
Glenwood MD 21738  
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

Howard  
8 COUNTY 21  
23 SUBDIVISION 42  
SECTION 44 46 LOT 11 48 50  
Glenwood  
52 NEAREST TOWN 71

DRILLER INFORMATION

Edward Cross M W D SED  
Driller's Name 76 License No. 81  
Long Green Drilling 410 481-2240  
Firm Name  
2109 Emmerden Park Rd #107 Elwood MD  
Address 21040  
[Signature] 9/9/13  
Signature Date

B 4

SOURCES OF DRILLING WATER

1. POB 110  
2.  
3.

3662 Broadleaf Ct  
11 STREET ADDRESS 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH  
WEST  EAST  
SOUTH  
34 206 37  
DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39  
TAX MAP: 21 BLK: 9 PARCEL 6

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

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
- OPEN LOOP GEOTHERMAL
- CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S →  
DATE ISSUED 9/27/13 [Signature] 9/27/14 41  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 400' 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)  
37 CABLE REVERSE-ROTary DRIVE-POINT  
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

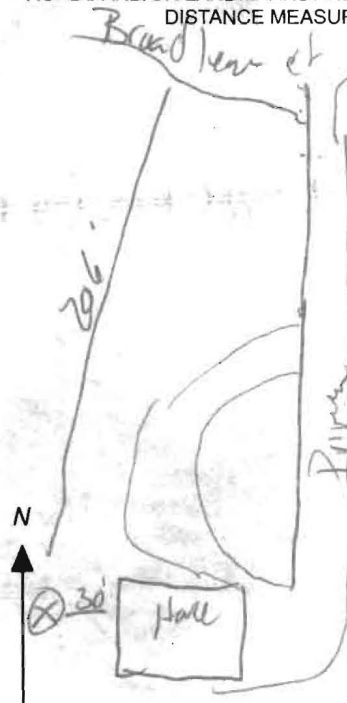
- THIS WELL WILL NOT REPLACE AN EXISTING WELL
- THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

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

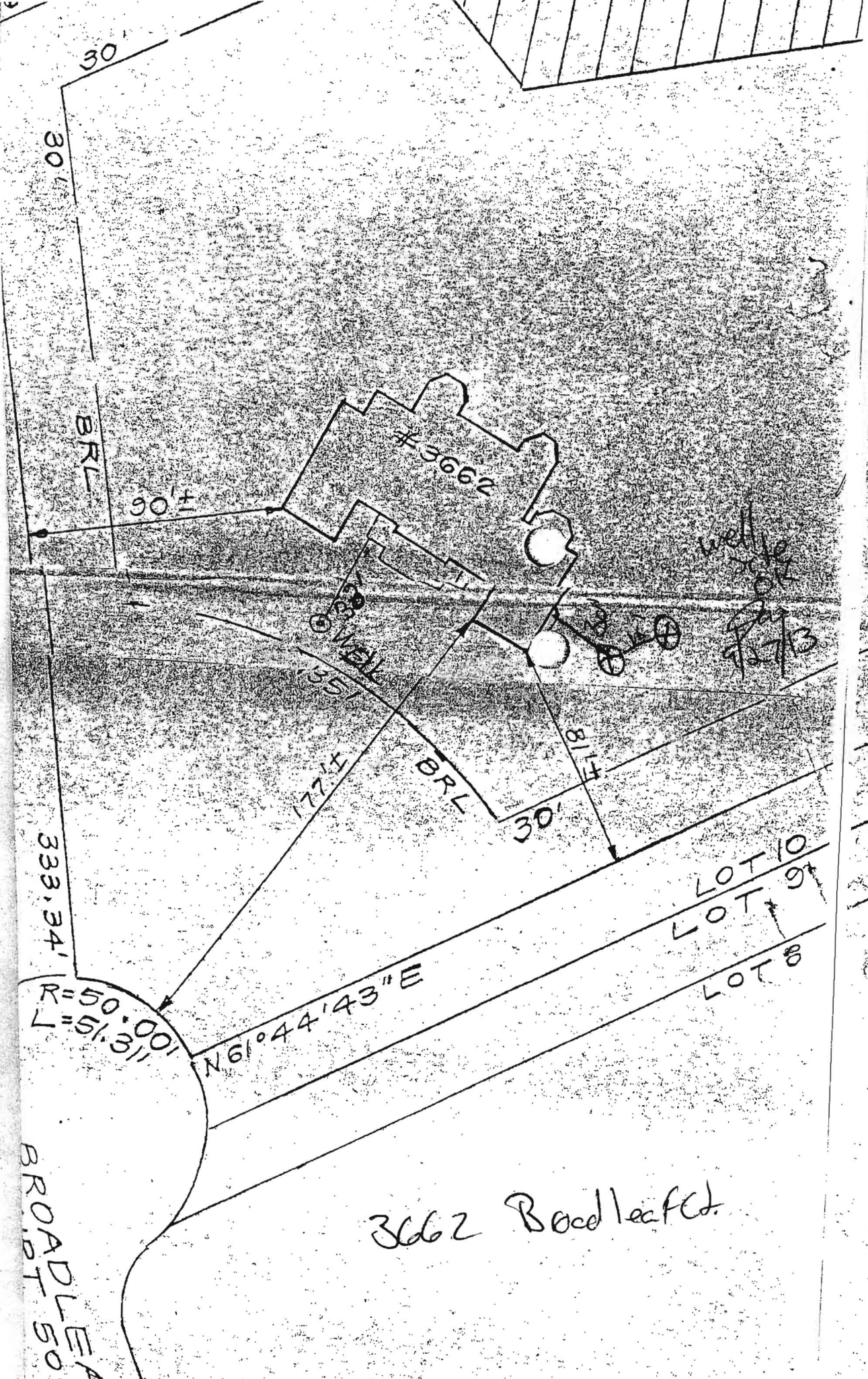
APPROX. PERMIT NUMBER \_\_\_\_\_ G \_\_\_\_\_  
PERMIT No. HO - 95 - 2590  
70 71 72 73 74 75 76 77 78 79

PROPOSED LOCATION OF WELL ON LOT  
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



30'

30'

BRL

30'±

#3662

WELL

333

177'±

BRL

30'

81'±

LOT 10

LOT 9

LOT 8

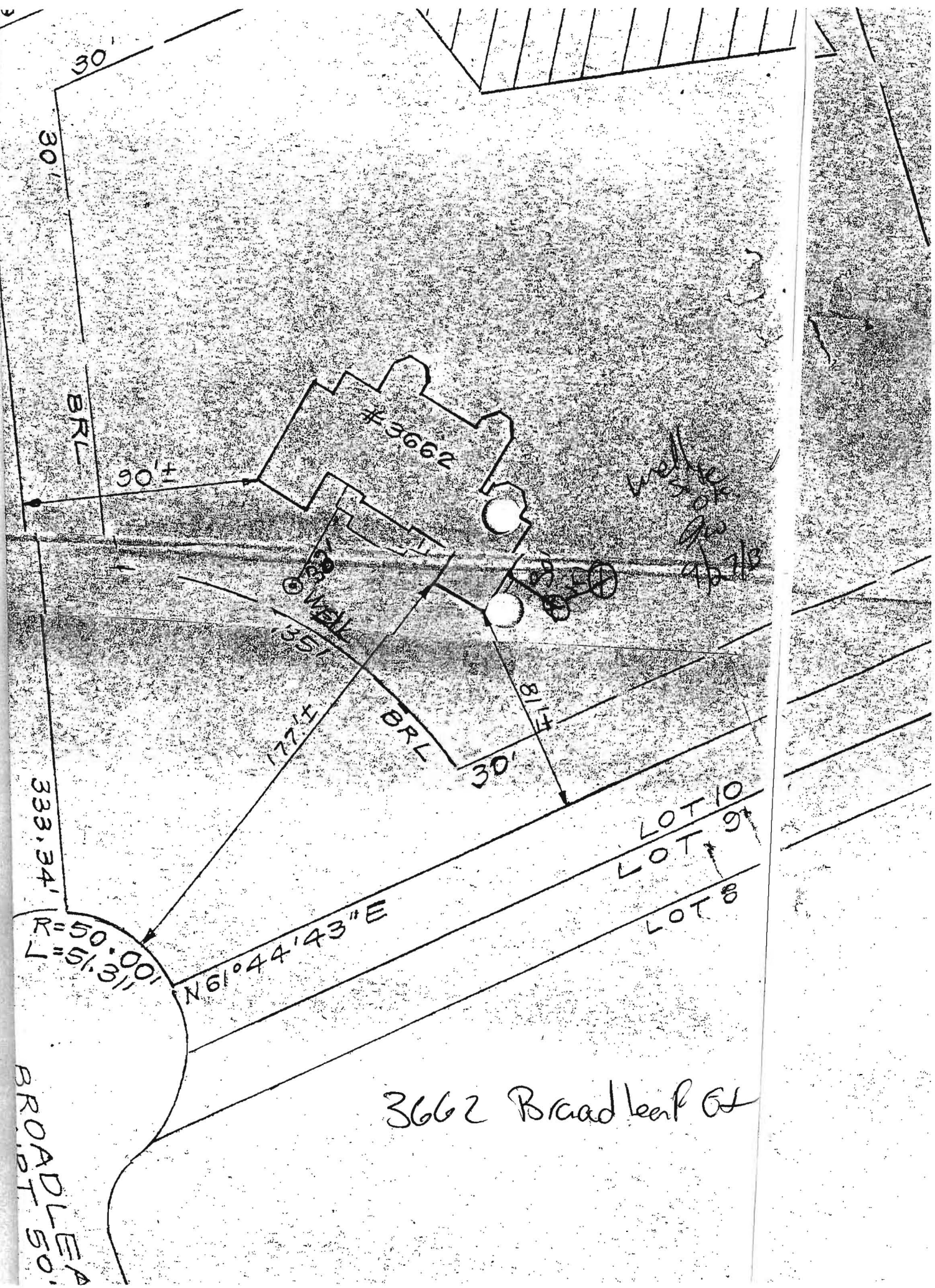
333.34'

R=50.00'  
L=51.31'

N61°44'43"E

BROADLEAF  
50'

3662 Broadleaf Ct.



3662 Broadleaf Ct