

B 1 13915

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER Ho-94-2671

Date Received (APA)

OWNER INFORMATION

Big Branch Overlook LLC, 7164 Columbia Gateway Dr. Suite 230, Columbia MD 21046

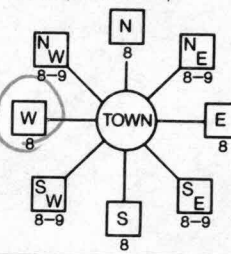
LOCATION OF WELL

Howard County, Big Branch Overlook 14052, Section 44-46, Lot 43, Dayton

DRILLER INFORMATION

Allen Compton, MS D 009, Fogles Well Drilling, 580 Obrecht rd. Sykesville 21784

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Big Branch Dr.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH, WEST, EAST, SOUTH

WELL INFORMATION: APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation, Farming, Industrial, Public Water Supply Well, Test, Observation, Monitoring, Geo-Thermal

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard County, State Signature, Date Issued 05/02/00, CO Signature Craig Wilton 5/1/01, North Grid 799 000 513, East Grid 0796 000 63

APPROXIMATE DEPTH OF WELL 300 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

AIR-ROTary, JETTED, ROTARY (Hydraulic Rotary), DRIVE-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

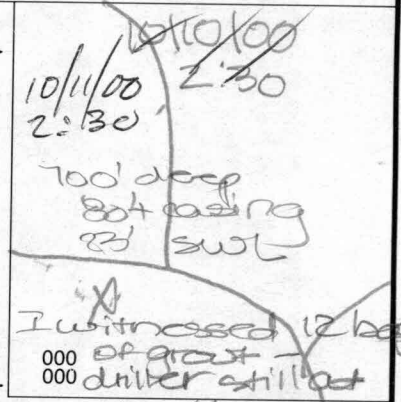
THIS WELL WILL NOT REPLACE AN EXISTING WELL, THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED, THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS, THIS WELL WILL DEEPEM AN EXISTING WELL

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

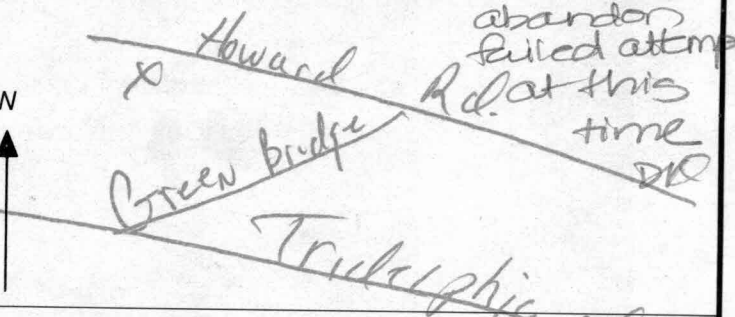
SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE 796

E 800, N 510



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



Not to be filled in by driller (MDE OR COUNTY USE ONLY), APPROP. PERMIT NUMBER Ho-94-2671, PERMIT No. Ho-94-2671

SPECIAL CONDITIONS, NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED - Ho-94-2671

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94 - 94 - 2671
 Location of property (road) Big Branch Drive
 Subdivision Big Branch Overlook
 Well Driller Compton/Fogle Lot 43 Block Plat Sec.
 Owner Big Branch Overlook LLC
 Depth of well 700'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 28

I. High rate pumping -- reservoir drawdown
 Time pump started 9:45 Pumping rate 14
 Total time 25 min to reach pumping water level 299 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	28	21		
10:00	130	27		14.2
10:15	190	50		11.1
10:30	264	60		6
10:45	287	70		5
		192L		4
11:00	299	60		
11:15	299	60		1
11:30	299	60		1
11:45	299	60		1
12:00	299	60		1
12:15	299	60		1
12:30	299	60		1
12:45	299	60		1
1:00	299	60		1
1:15	299	60		1
1:30	299	60		1
1:45	299	60		1
2:00	299	60		1
2:15	299	60		1
2:30	299	60		1
2:45	299	60		1
3:00	299	60		1
3:15	299	60		1

HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH
 WATER AND SEWERAGE PROGRAM
 TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless 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 Use and Occupancy approval.

Company Name: Fogle Well Drilling Telephone #: 410-795-5670
 Address: 580 Obrecht Rd
Sykesville, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
 License # and name of individual responsible for the field installation:
 Name (Print): Allen Compton License# M50009

*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 may be reported to the appropriate licensing agency.

Name of Property Owner: Toil Brothers Telephone #: _____
 Subdivision: Big Branch Overlook Lot #: 43 Well Tag #: HO-94-2671
 Site Address: 14052 Big Branch Dr

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Red Jack</u>	Make: <u>Camptell</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>F21 5/16</u>	Model#: <u>N/A</u>	Screened, vented well cap: <u>yes</u>
Pump Capacity <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>1</u> GPM	NSF/WSC approved: <u>yes</u>	Conduit min 18" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: <u>700</u> (feet)		Conduit secured to well cap: <u>yes</u>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
Torque arrestors, Cable guards, or other acceptable method used- Must circle one		
Safety rope, if used, attached to brass rope adapter or other acceptable method <u>inside of well casing</u> <u>N/A</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" Black Plastic</u>	PVC sleeve to undisturbed soil at wall penetration: <u>yes</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>5'</u>
Depth of supply line: <u>42</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

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: Allen Compton date: 11/20/01

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

Date Insp. Requested: 11/9/01 Date Insp. Approved: 11/9/01 Inspector: SO SRU

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope not seen outside of well cap/casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: _____ (month/day/year)

DRY HOLE

* PERMIT NUMBER OF ABANDONED WELL (if any) _____

* PERMIT NUMBER OF REPLACEMENT WELL _____

* PERSON ABANDONING WELL: Allen Compton

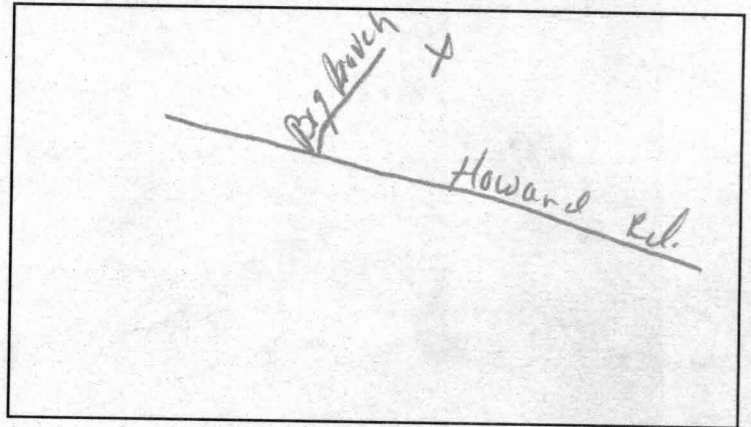
WELL DRILLERS LICENSE NUMBER: 009

* OWNER'S NAME: TOLL Brothers

CIRCLE: MWD/MSD/MGD

* WELL LOCATION:
 COUNTY: Howard
 NEAREST TOWN: Dayton
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: Big Branch Overlook
 SECTION: _____ LOT: 43
 NEAREST ROAD: Big Branch Dr.

SITE LOCATION MAP



* TYPE OF WELL BEING ABANDONED:

- DRILLED _____ JETTED _____
- _____ BORED/AUGERED _____ HAND DUG _____
- _____ OTHER (specify) _____

* USE CODE:

- DOMESTIC _____ MUNICIPAL/PUBLIC _____
- _____ IRRIGATION _____ INDUSTRIAL _____
- _____ TEST/OBSERVATION _____ GEOTHERMAL _____

* TYPE OF CASING:

- STEEL _____ PLASTIC _____
- _____ CONCRETE _____ OTHER (specify) _____

* SIZE OF CASING: 6 INCHES IN DIAMETER

* DEPTH OF WELL: 450 FEET DEEP

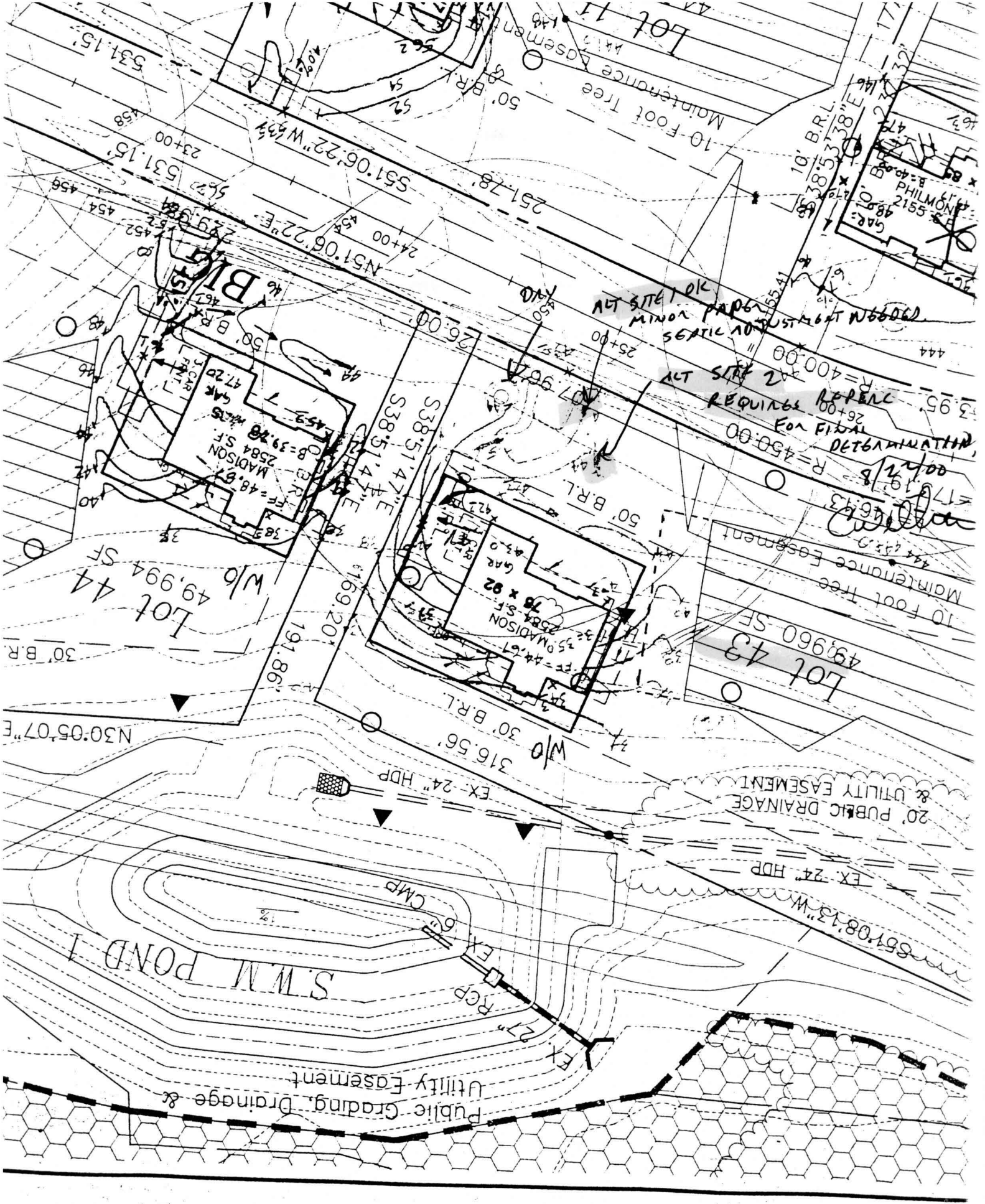
* WAS ANY CASING REMOVED? YES _____ NO
 if yes, length removed, in feet: 57'

* WAS CASING RIPPED OR PERFORATED? _____ YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement	0	60
slow cuttings	60	450
VOLUME OF MATERIAL USED		
<u>15 bags cement</u>		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN Allen Compton LICENSE # 009 MWD/MSD/MGD CIRCLE ONE DATE _____



Lot 15
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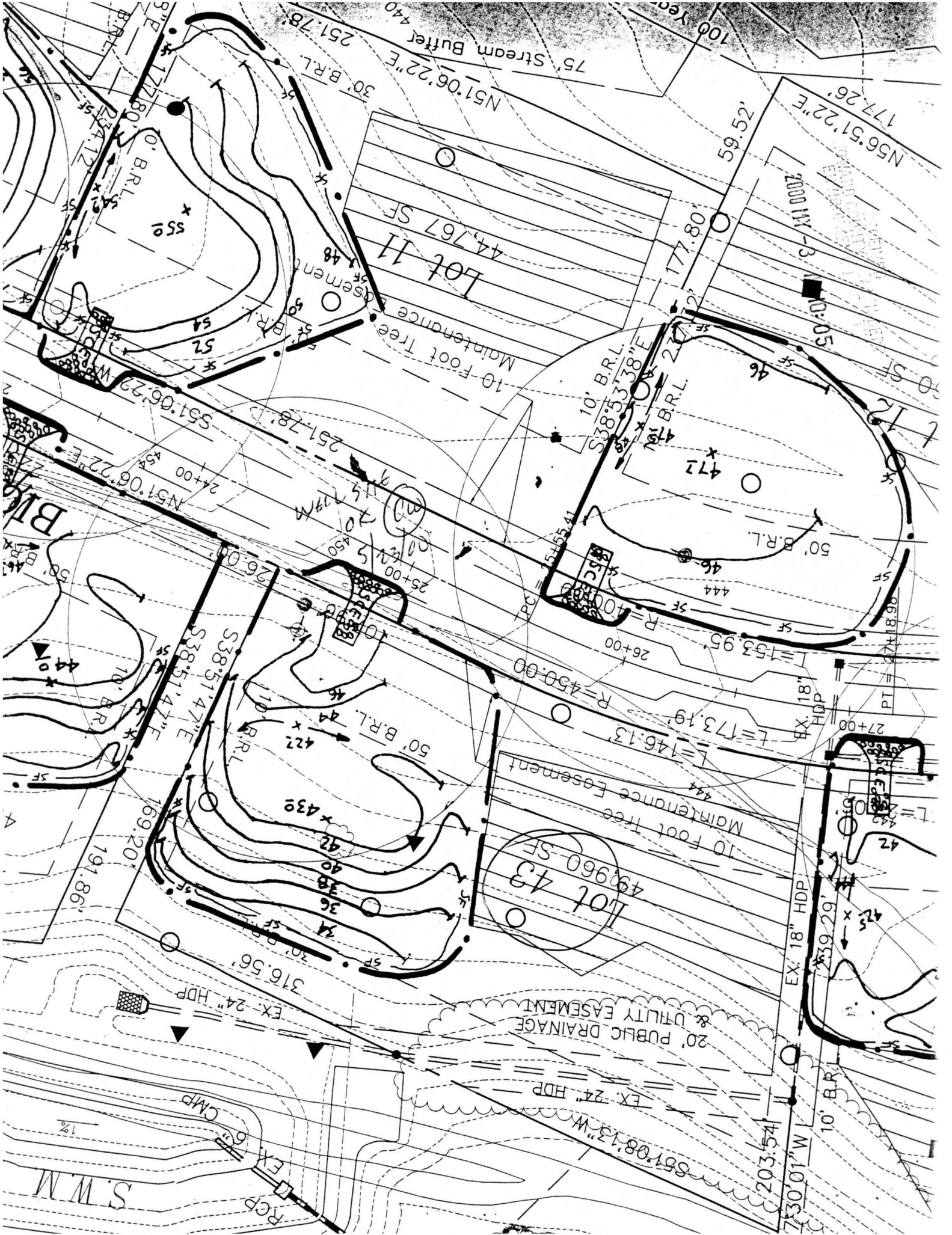
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Lot 110
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Lot 111
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23+00

Lot 112
531.15
23+00



Lot 11
44,767 SF

Lot 43
49,960 SF

Lot 46
44,767 SF

75' Stream Buffer 470
N51.06.22"E
30' B.R.L.
251.78'
100' Year
N56.51.22"E
177.26'
59.52'
2000 IN - 3
50:05
10' B.R.L.
S38.53.38"E
177.80'
46
472
50' B.R.L.
444
R=400
26+00
L=153.95'
PT = 18.90
EX 18" HDP
L=173.19'
L=146.13'
R=450:00
26+00
10 Foot Tree Maintenance Easement
444
L=288.05'
42
425
339.29'
10' B.R.L.
730.01' W
203.54'
EX 24" HDP
S51.08.13" W
316.56'
EX 24" HDP
199.20'
30' B.R.L.
S38.51.47"E
S38.51.47"E
169.20'
191.86'
10' B.R.L.
422
439
34
36
38
40
42
44
440
10' B.R.L.
N51.06.22"E
24+00
S51.06.22"E
251.78'
25+00
20' PUBLIC DRAINAGE & UTILITY EASEMENT
EX 24" HDP
RCP
EX
6" CMP
1%
S.W.M.

Public Grading, Drainage & Utility Easement

S.W.M POND 1

551'08"13" W

EX. 24" EDP

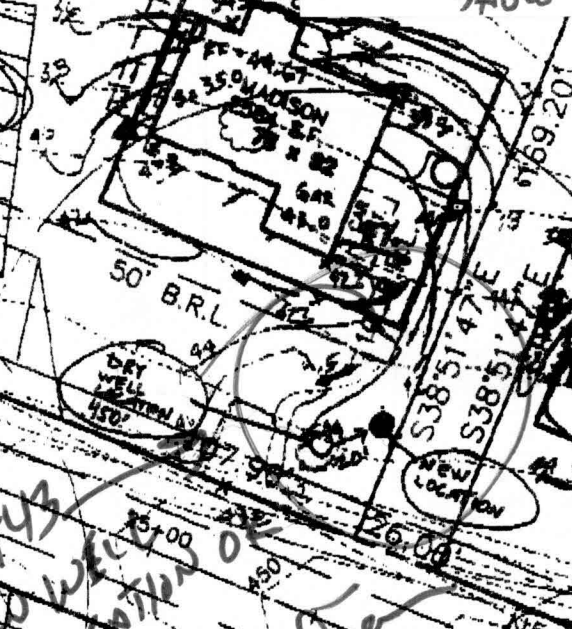
20' PUBLIC DRAINAGE & UTILITY EASEMENT

Post-it® Fax Note	7671	Date	# of pages ▶ 1	
To	GREG SHAPARD		From	CRAIG WILLIAMS
Co./Dept.		Co.		
Phone #		Phone #		
Fax #		Fax #		

"SHOW THIS TO DRILLER"

Lot 43
49,960 SF

Lot 44
49,994 SF



10 Foot Tree Maintenance Easement

L=146.13
R=450.00

R=400.00

NEW WELL LOCATIONS
6/21/00
C. Williams

10 Foot Tree Maintenance Easement

10 Foot Tree Maintenance Easement

Lot 11
44,767 SF