

C1 5163
 SEQUENCE NO. (MDE USE ONLY)
 1 2 3 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.
 COUNTY NUMBER

ST/CO USE ONLY
 DATE RECEIVED
 MM DO YY
 8 13

DATE WELL COMPLETED
 MM DO YY
 08 31 07
 Depth of Well
 22 300 26
 (TO NEAREST FOOT)
 7/31/08
 PK (20)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 Ho-95-1196
 28 29 30 31 32 33 34 35 36 37

OWNER Brantly Development
 STREET OR RFD Lime Kiln Rd TOWN Fulton
 SUBDIVISION Lime Kiln Valley SECTION _____ LOT 2

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		check if water bearing
	FROM	TO	
Soil	0	15	
Brown shale	15	47	
Soft Brown Shale	47	72	
SOFT GRAY Rock	72	83	
GRAY Rock	83	300	x
Water at 223'			

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle appropriate box) Y N
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 17 NO. OF POUNDS 1700
 GALLONS OF WATER 102
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 TOP 52 ft. to 65 BOTTOM 58 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 90
 60 61 63 64 66 70

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
 ST STEEL BR BRASS HO OPEN HOLE
 PL PLASTIC OT OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED Y N

CIRCLE APPROPRIATE LETTER
 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. M 5 D 162
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Daryl Hale
 LIC. NO. A 4 D 766

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

C 2 DEPTH (nearest ft.)

1	2	3	4	5	6
8	9	11	15	17	21
23	24	26	30	32	36
38	39	41	45	47	51
SLOT SIZE 1 _____ 2 _____ 3 _____					
DIAMETER OF SCREEN _____ (NEAREST INCH)			_____ (NEAREST INCH)		
from _____ to _____			_____ 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

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3
 8 9
 PUMPING RATE (gal. per min.) 4.0
 11 15
 METHOD USED TO MEASURE PUMPING RATE Submersible
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 44 ft.
 17 20
 WHEN PUMPING 165 ft.
 22 25
 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 INSTALLED PUMP (CIRCLE) (YES or NO) YES NO
 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 _____ 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 } LAND SURFACE
 - below } _____ (nearest foot)
 49 50 51

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)

Well Drilled on Stake
 Provided by Surveyor.

B 1 9826

SEQUENCE NO. (MDE USE ONLY) =

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER 40-95-1196 fill in this form completely

527237 please type

Date Received (APA)

8 MM DD YY 13

OWNER INFORMATION

Brantly Development 8835 N. Columbia 100 Pkwy Columbia MD 21045

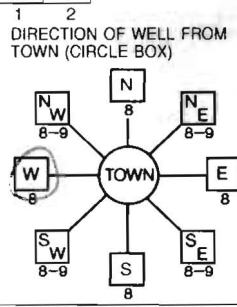
B 3 LOCATION OF WELL

Baltimore COUNTY Lime Kiln Valley SUBDIVISION SECTION 44 46 LOT 2 50 FULTON NEAREST TOWN MILES FROM TOWN

DRILLER INFORMATION

Michael D. Isom M S D 162 G. Edgar Harr Sons Corp. 12047 Falls Road, Cockeysville 21030 6/11/07

B 4



Lime Kiln Road NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: 40 BLK: 21 PARCEL 12

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

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 COUNTY NAME A519584 COUNTY NO. STATE DATE ISSUED 8/10/07 CO SIGNATURE EXP. DATE 8/10/08 NORTH GRID 481 000 EAST GRID 811 000

APPROXIMATE DEPTH OF WELL 250 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

METHOD OF DRILLING (circle one)

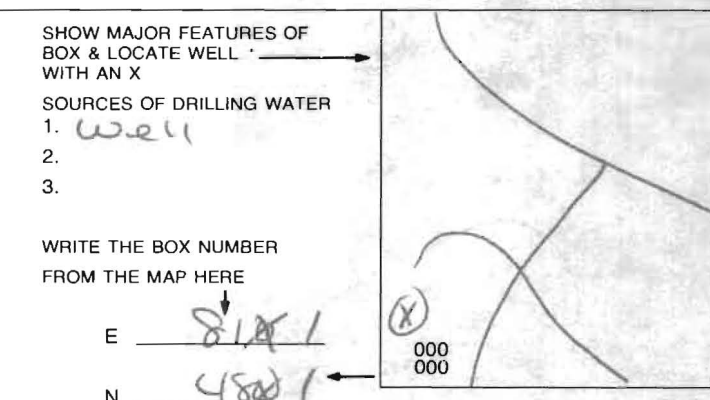
BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT other

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 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 Ho 2004 G 013/02 PERMIT No. Ho-95-1196



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

HARR WELL DRILLING

12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-252-4588

HOWARD COUNTY WELL YIELD TEST REPORT

Date Test Performed: 8-30-07 Permit Number: HO-95-1196
Address: Lime Kiln Road Subdivision: Lime Kiln Valley L#2
Owner Name: Brantly Development Election District:
Well Depth: 300 Ft Static Water Level: 44 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 1gallon bucket	Calculated Flow-Gallons Per Minute
1100	44 ft		5 sec	12.00
1115	107		7	8.57
1130	126		9	6.66
1145	157		10	6.00
1200	159		12	5.00
1215	163		12	5.00
1230	163		12	5.00
1245	163		12	5.00
1300	165		15	4.00
1315	165		15	4.00
1330	165		15	4.00
1345	165		15	4.00
1400	165		15	4.00
1415	165		15	4.00
1430	165		15	4.00
1445	165		15	4.00
1500	165		15	4.00

LOT 41
4.7840 ACRES

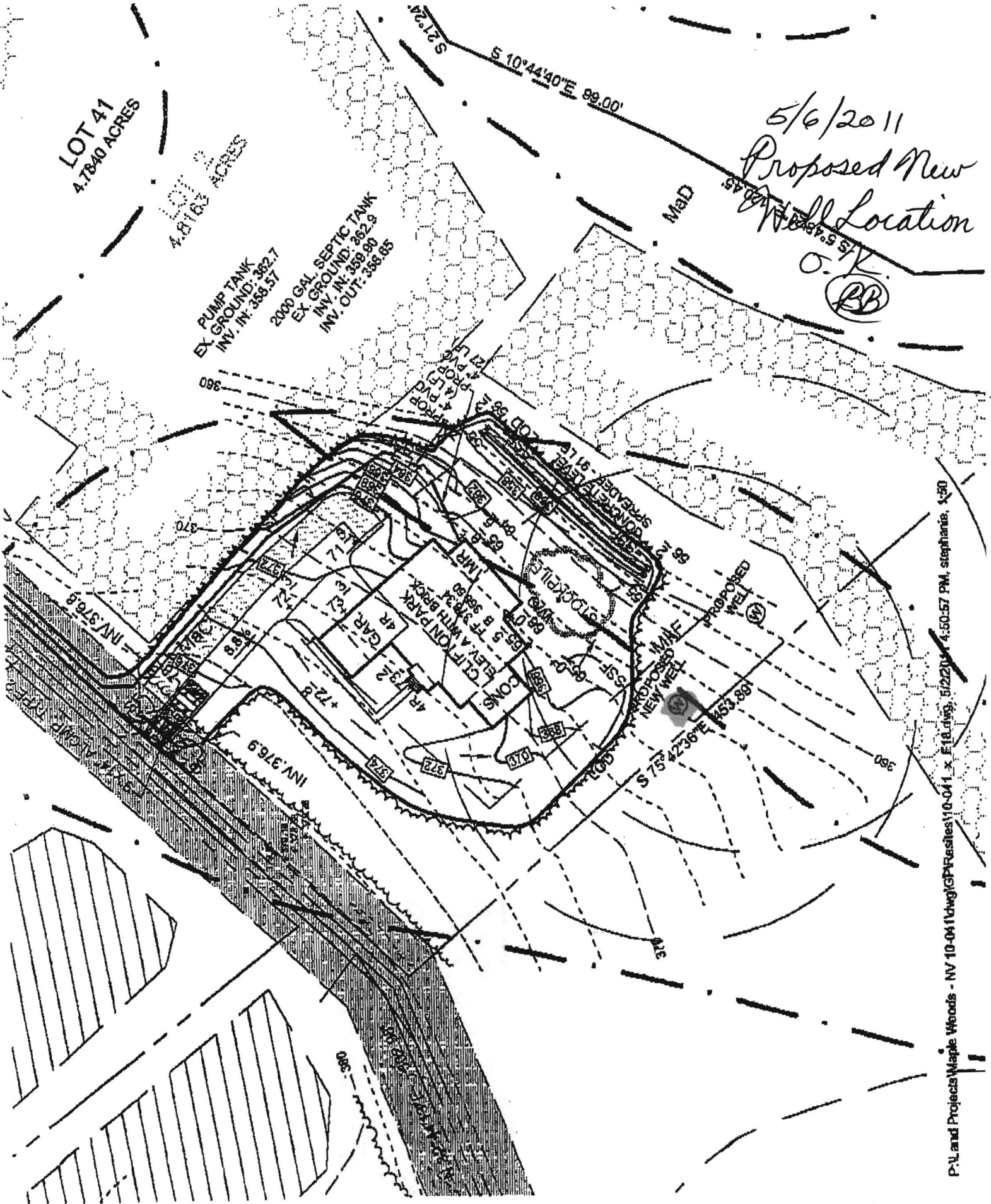
LOT 42
4.8163 ACRES

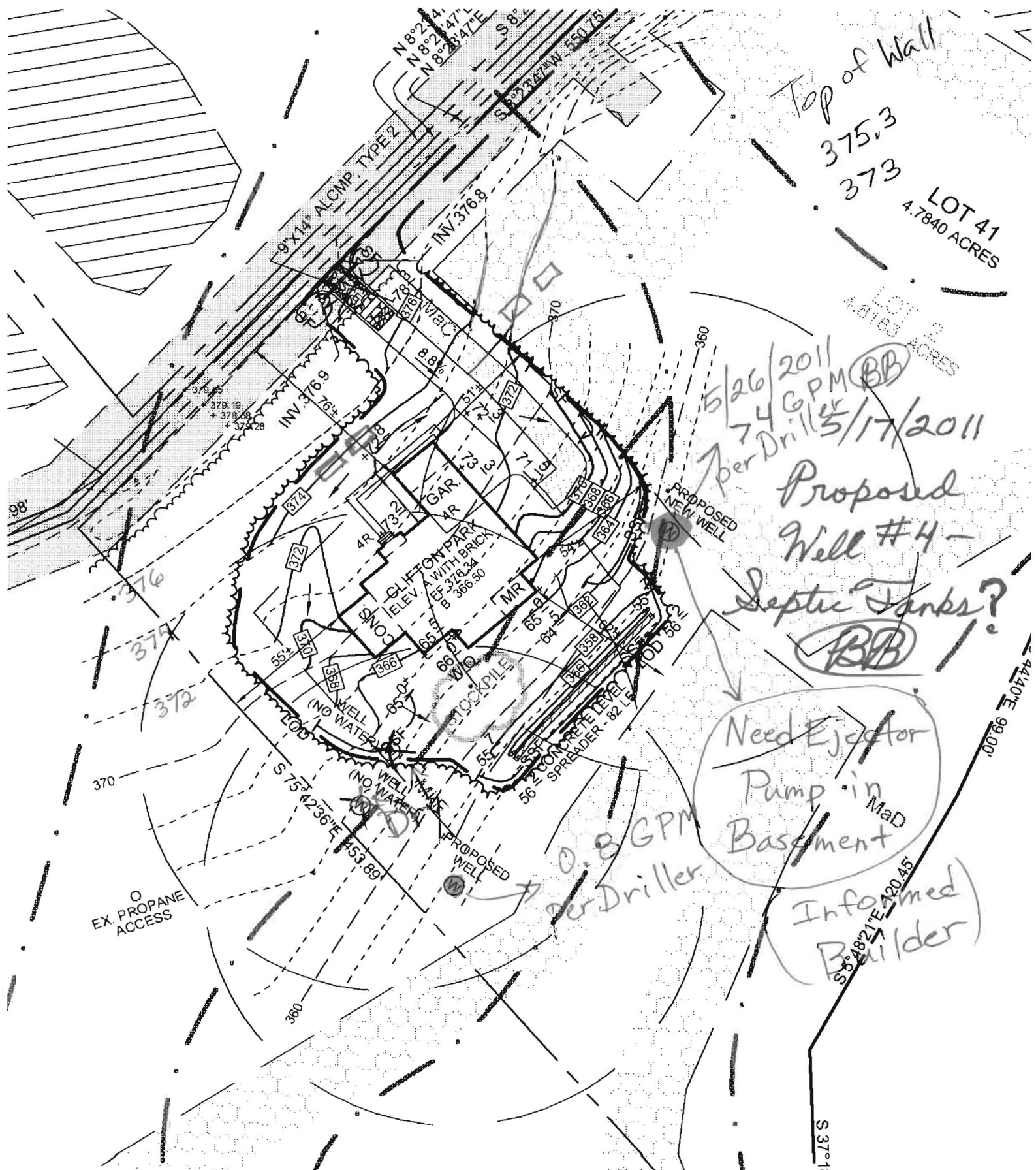
PUMP TANK
EX GROUND: 362.7
INV. IN: 368.57

2000 GAL. SEPTIC TANK
EX GROUND: 362.9
INV. IN: 368.80
INV. OUT: 358.85

5/6/2011
Proposed New
Well Location

O.K.
(RB)





Top of Wall
 375.3
 373
 LOT 41
 4.7840 ACRES

5/26/2011
 74 GPM (BB)
 per Driller 5/17/2011

Proposed
 Well #4 -
 Septic Tanks?
 (BB)

Need Ejector
 Pump in
 Basement
 MaD

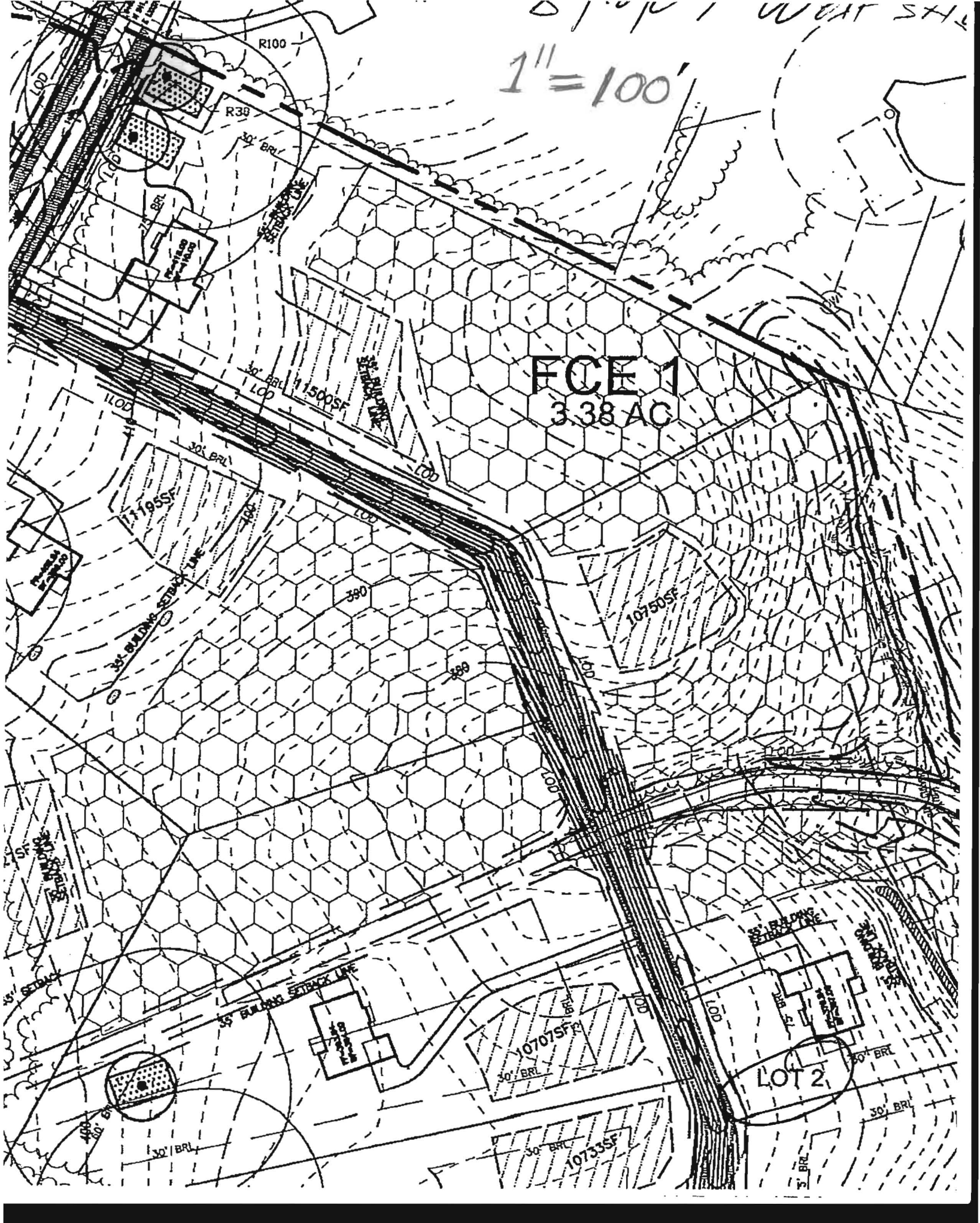
0.8 GPM
 per Driller

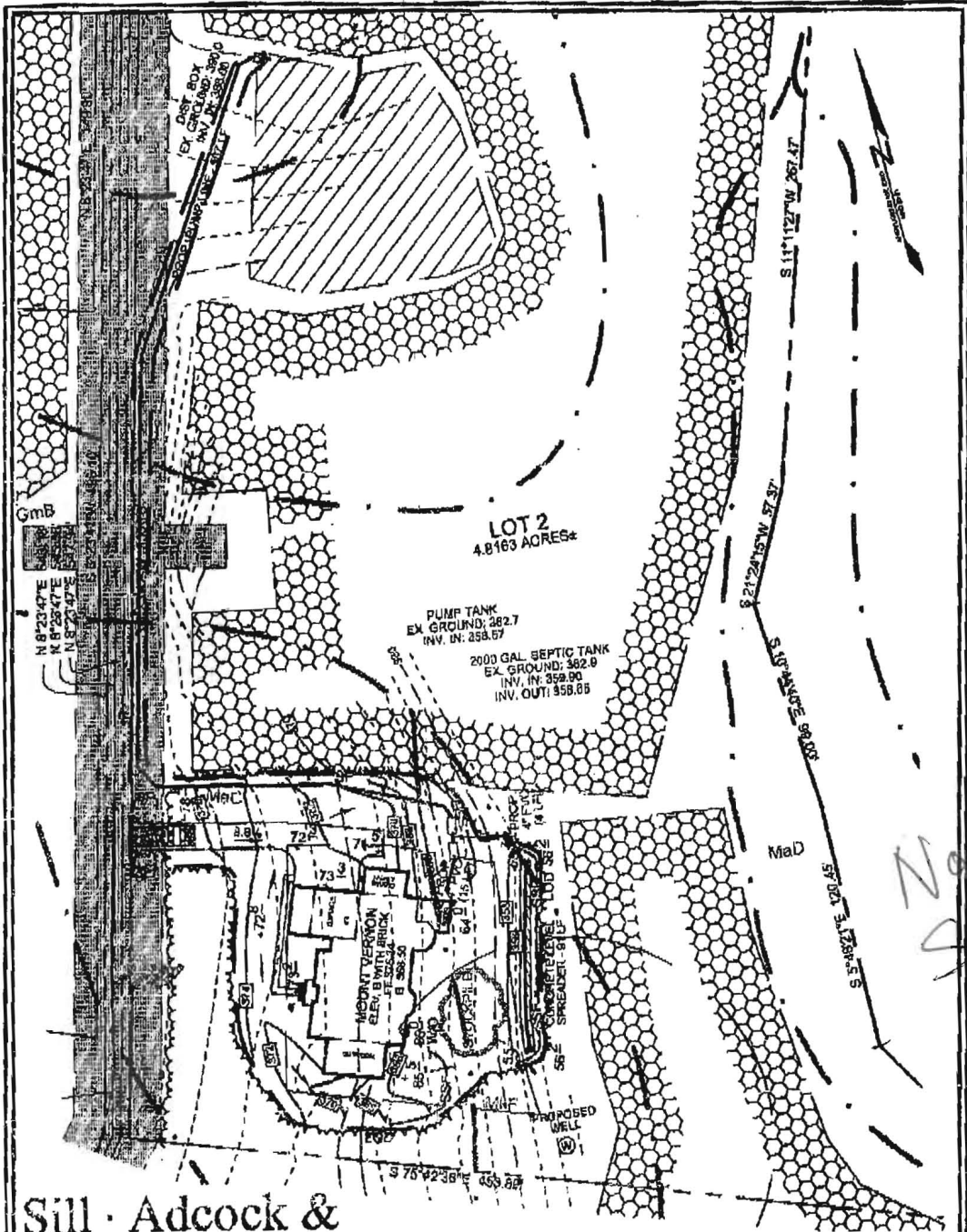
Informed
 Builder

0 1/2" / 1" WEST ST

1" = 100'

FCE 1
3.38 AC





**Sill · Adcock &
Associates · LLC**

Engineers · Surveyors · Planners

3300 North Ridge Road, Suite 160
Ellicott City, Maryland 21043
Phone: 443.325.7682 Fax: 443.325.7685
Email: info@saal.com

DEVELOPER
NV HOMES

1088 MARSHALEE DRIVE, SUITE 120
ELMDRIDGE, MARYLAND 21075
(410) 278-8689

OWNER

MAPLE ESTATES, LC
1020 RIVER STREET, SUITE 300
MCLEAN, VIRGINIA 22101
(703) 734-4720

- NOTE:
- 1) DRIVEWAY RUNOFF WILL BE TREATED BY NON-ROOFTOP DISCONNECTION, STORMWATER MANAGEMENT FOR THE HOUSE ON THIS LOT IS WILL BE SATISFIED BY SHSST FLOW TO NATURAL CONSERVATION AREA WITH A GRAVEL DIAPHRAGM.
 - 2) THE PROPOSED WELL SHOWN ON THIS PLAN IS TO BE DRILLED.
 - 3) A PUMP TANK WILL BE UTILIZED FOR SEWERAGE.
 - 4) DISTURBED AREA = 26,816 SQ. FT.
 - 5) DRIVEWAY AREA = 2,048 SQ. FT.

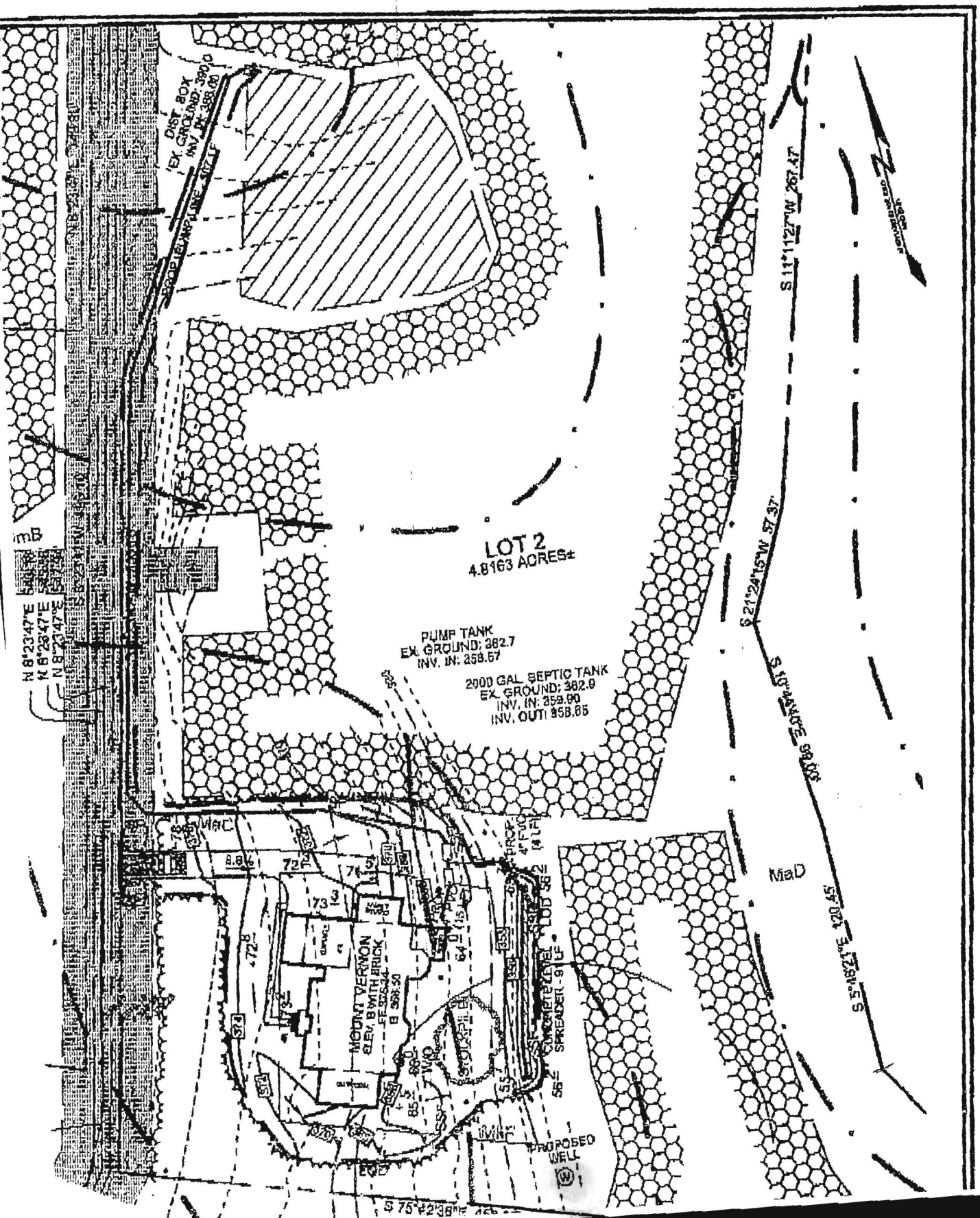
DESIGN BY: SJT
DRAWN BY: SJT
CHECKED BY: PS
SCALE: 1"=80'
DATE: JANUARY 25, 2011
PROJECT #: 10-041
SHEET #: 1 OF 2

**PRELIMINARY HOUSE SITE
LIME KILN VALLEY II**

**LOT 2
12767 LIME KILN ROAD**

TAX MAPS 40 & 45 GRIDS 21 & 4
FIFTH ELECTION DISTRICT

PARCELS 114 & 12
HOWARD COUNTY, MARYLAND



N 8°23'47"E 540.00'
N 8°23'47"E 540.00'
N 8°23'47"E 540.00'

LOT 2
4.8163 ACRES±

PUMP TANK
EX. GROUND: 382.7
INV. IN: 258.67

2000 GAL SEPTIC TANK
EX. GROUND: 382.0
INV. IN: 358.00
INV. OUT: 358.85

MOUNT VERNON
ELEV. BRICK
E 382.30

SINKHOLE LEVEL 382.0
SPREADER 311.7

S 21°24'15"W 57.37'

S 11°11'27"W 267.47'

MaD

S 18°21'E 120.45'

PROPERTY LINE

PROPERTY LINE

PROPOSED WELL

3 76°42'38"

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

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: MAY 26-2011 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

HO — 95 — 1196

* PERMIT NUMBER OF REPLACEMENT WELL

* PERSON ABANDONING WELL: RONALD KYKER

WELL DRILLERS LICENSE NUMBER: 296

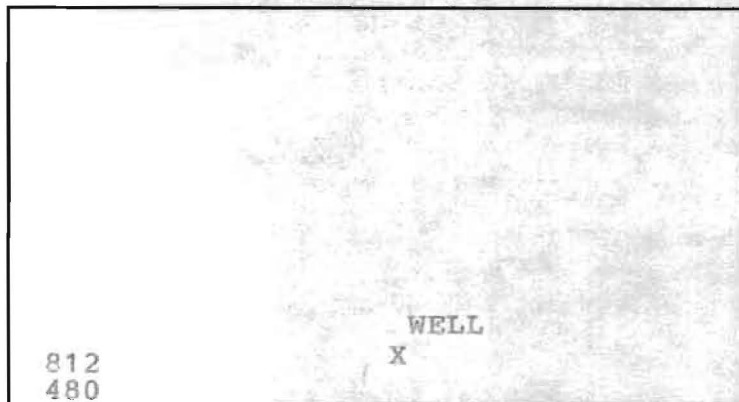
CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: NV HOMES MD EAST DIVISION

SITE LOCATION MAP

* WELL LOCATION:

COUNTY: HOWARD
NEAREST TOWN: FULTON
TAX MAP 40-4 BLOCK 21 PARCEL 114
SUBDIVISION: LIME KILN VALLEY
SECTION: _____ LOT: 2
NEAREST ROAD: LIME KILN RD



* 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: 300 FEET DEEP

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

* WAS CASING RIPPED OR PERFORATED? _____ YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
CONCRETE	0	300
VOLUME OF MATERIAL USED		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

LICENSE #

296
MWD/MSD/MGD
CIRCLE ONE

DATE

DENV 828 JULY 1997

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HO — 95 — 1196

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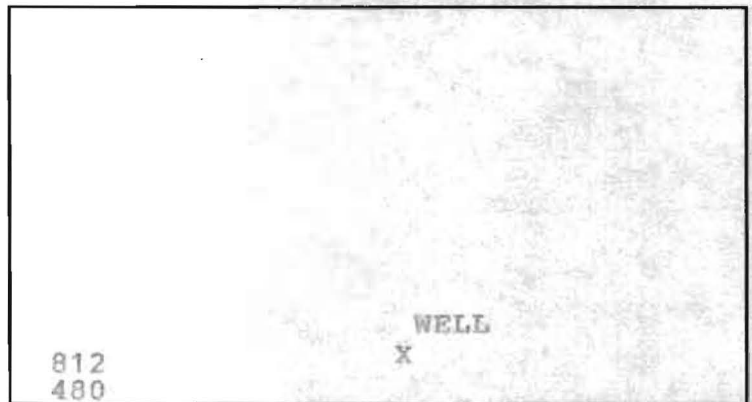
* PERSON ABANDONING WELL: RONALD KYKER

WELL DRILLERS LICENSE NUMBER: 296
CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: NV HOMES MD EAST DIVISION

SITE LOCATION MAP

* WELL LOCATION:
COUNTY: HOWARD
NEAREST TOWN: FULTON
TAX MAP 40-4 BLOCK 21 PARCEL 114
SUBDIVISION: LIME KILN VALLEY
SECTION: _____ LOT: 2
NEAREST ROAD: LIME KILN RD



* 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: 300 FEET DEEP

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

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LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
CONCRETE	0	300
VOLUME OF MATERIAL USED		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN

DENV 828 JULY 1997

LICENSE #

296
CIRCLE ONE

DATE

MAY 26-2011

