

1 2 3 4 5 6  
 4163

SEQUENCE NO. (MDE USE ONLY)

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

WELL IS COMPLETED.  
 COUNTY NUMBER A58095L

ST/CO USE ONLY  
 DATE Received  
 MM DD YY  
 8 13

DATE WELL COMPLETED  
 MM DD YY  
 09 02 98

Depth of Well  
 22 178 26  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
 HO-94-1666  
 28 29 30 31 32 33 34 35 36 37

OWNER BPMB Assoc last name first name  
 STREET OR RFD Bucks Run Road TOWN Glenwood  
 SUBDIVISION Wellington West II SECTION \_\_\_\_\_ LOT 14

**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	
Dirt	0	1	
Soft Br. Mica	1	97	
Soft Br. Sandstone	97	98	
Hard Br. Sandstone	98	112	
Br. Sandstone	112	113	X
Hard Blue Sandstone	113	136	
Br. Sandstone	136	137	X
Hard Blue Sandstone	137	150	
Br. Sandstone	150	151	X
Blue & Br. Sandstone	151	178	

**GROUTING RECORD** (Circle appropriate Box)

WELL HAS BEEN GROUTED  YES  NO

TYPE OF GROUTING MATERIAL (Circle one)  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 34 NO. OF POUNDS 3196  
 GALLONS OF WATER 204  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 TOP 52 ft. to 100 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  
 S  T 6 102  
 60 61 63 64 66 70

Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot)

**OTHER CASING (if used)**

EACH CASING 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

**C 2** DEPTH (nearest ft.)

	1	2	3	4	5
1	H	O	102	178	
8	9	11	15	17	21
23	24	26	30	32	36
38	39	41	45	47	51
E	SLOT SIZE 1 _____ 2 _____ 3 _____				
N	DIAMETER OF SCREEN (NEAREST INCH) <u>56</u> <u>60</u> 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

**C 3** PUMPING TEST

HOURS PUMPED (nearest hour) 3  
 8 9

PUMPING RATE (gal. per min.) 12  
 11 15

METHOD USED TO MEASURE PUMPING RATE submersible

WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 24 ft.  
 17 20  
 WHEN PUMPING 43 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.

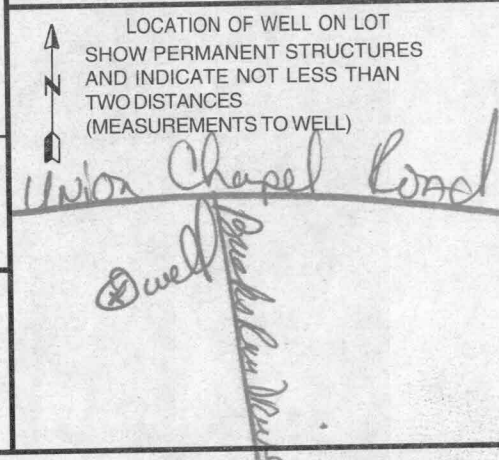
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. 29

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  - below  
 LAND SURFACE \_\_\_\_\_ 2 (nearest foot)  
 49 50 51



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED  YES  NO

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 256  
Dana Kyker Jr II  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MWD 334  
Dana Kyker Jr III

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

**B 1** 3643 SEQUENCE NO. (MDE USE ONLY)

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

STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
HO-94-1666  
 fill in this form completely

**OWNER INFORMATION**

Date Received (APA) 08 03 98

8 MM DD YY 13

ASSOCIATES B P m B  
 15 Last Name Owner First Name 34

15298 UNION CHAPEL Rd  
 36 Street or RFD 55

Woodbine Md 21797  
 57 Town 70 State 72 Zip 76

**LOCATION OF WELL**

**B 3** Howard  
 8 COUNTY 21

Wellington West  
 23 SUBDIVISION 42

SECTION 14  
 44 46 LOT 48 50

Blue wood  
 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M I  
 73 76 77 78

**DRILLER INFORMATION**

Dana R/Ret M D 256  
 76 License No. 81

Westminster Rotary Well Drilling, Inc.  
 Firm Name

P.O. Box 611 Westminster, Md  
 Address

Dana R/Ret M D 256 7-30-98  
 Signature Date

**B 4**

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Bucks Run Rd  
 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  WEST  EAST  SOUTH

34 220 37 DISTANCE FROM ROAD  
 ENTER FT OR MI 38 39

TAX MAP: 14 BLK: \_\_\_\_\_ PARCEL 222

**WELL INFORMATION**

**B 2** APPROX. PUMPING RATE (GAL. PER MIN.) 6  
 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 415  
 14 20

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**

HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22  INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)

PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL)

TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

Howard Co A58095  
 COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S → \_\_\_\_\_ 41

DATE ISSUED 080698 A M C M O O E 8/6/98  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 530 0 0 0 EAST GRID 790 0 0 0  
 50 55 57 63

APPROXIMATE DEPTH OF WELL 240 FEET  
 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH  
 NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- CITY
- 
- 

WRITE THE BOX NUMBER FROM THE MAP HERE

E 790  
 N 530

000 missed insp KM

**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 DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)**

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  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 DEEPEIN AN EXISTING WELL

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

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

Union Chapel Rd  
Bucks Run Rd

Well

N ↑

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

APPROX. PERMIT NUMBER \_\_\_\_\_ G A P \_\_\_\_\_ 54 63

WRITE INITIALS IN BOX FORCE Am PERMIT No. HO-94-1666  
 67 68 70 71 72 73 74 75 76 77 78 79

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-1666  
 Location of property (road) Bucks Run Road  
 Subdivision Wellington West Lot 14 Block      Plat      Sec. 2  
 Well Driller Dana Kyker Owner BPMB ASSOC

Depth of well 178 feet  
 Distance of measuring point (M.P.) above ground 2 feet  
 Static water level (S.W.L.) below M.P. 24 feet

I. High rate pumping -- reservoir drawdown

Time pump started 8:00am Pumping rate 12 gpm  
 Total time 3 hrs to reach pumping water level 43 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 $\times$ 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	24'	5 sec.		12
8:15	42'	5 sec.		12
8:30	43'	5 sec.		12
8:45	43'	5 sec.		12
9:00	43'	5 sec.		12
9:15	43'	5 sec.		12
9:30	43'	5 sec.		12
9:45	43'	5 sec.		12
10:00	43'	5 sec.		12
10:15	43'	5 sec.		12
10:30	43'	5 sec.		12
10:45	43'	5 sec.		12
11:00	43'	5 sec.		12

**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: Fogles Well Drilling Telephone #: 410-795-5670  
Address: 530 Obrecht 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): Allen Compton License# MSD 009

\*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: Publ. Homes Telephone #: \_\_\_\_\_  
Subdivision: Wellington West Lot #: 14 Well Tag #: HO 94-1666  
Site Address: 15200 Bucks Run Rd.

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>Govalds B.</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>TSB05422</u>	Model#: _____	Screened, vented well cap: <u>yes</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>5</u> GPM	NSF/WSC approved: <u>y</u>	Conduit min 18" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: _____ (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 inside of well casing N/A

<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
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.

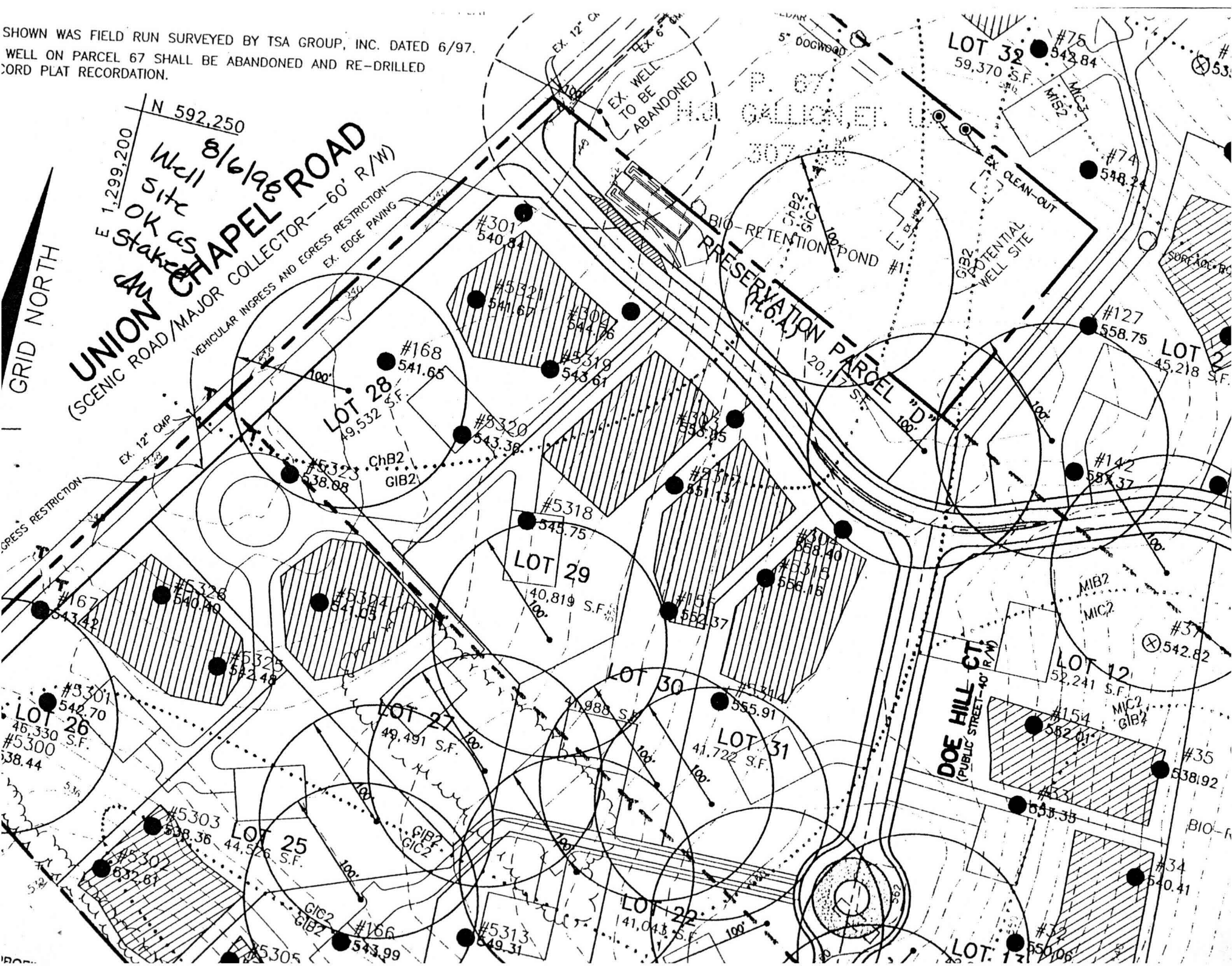
Signature of company representative responsible for installation: Allen Compton date: 9-22-01

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

Date Insp. Requested: 7/26/01 Date Insp. Approved: 7/26/01 Inspector: (KG)SRK

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"/>

SHOWN WAS FIELD RUN SURVEYED BY TSA GROUP, INC. DATED 6/97.  
WELL ON PARCEL 67 SHALL BE ABANDONED AND RE-DRILLED  
CORD PLAT RECORDATION.



# UNION CHAPEL ROAD

GRID NORTH

Well site OK as Staked

VEHICULAR INGRESS AND EGRESS RESTRICTION  
EX. EDGE PAVING

BIO-RETENTION POND #1

P. 67 GALLOP ET. U.

LOT 32 59,370 S.F.

LOT 29 40,819 S.F.

LOT 26 46,330 S.F.

LOT 25 44,526 S.F.

LOT 27 49,491 S.F.

LOT 30 41,988 S.F.

LOT 31 41,722 S.F.

LOT 12 52,241 S.F.

LOT 12 45,218 S.F.

DOE HILL CT.  
(PUBLIC STREET-40' R/W)

100'

EX. 12" CIP

EX. 12" CIP

EX. WELL TO BE ABANDONED

EX. 6" CIP

EX. CLEAN-OUT

POTENTIAL WELL SITE

EX. 12" CIP

EX. 12" CIP

SURFACE

100'

100'

100'

100'

100'

100'

100'

100'

100'

100'

100'

100'

100'