

C 1 08000		(MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.	
1 2 3 4 5 6						COUNTY NUMBER 13	
ST/CO USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 10 04 2000		Depth of Well 22 145 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 94 - 2811 28 29 30 31 32 33 34 35 36 37	

OWNER last name first name BRS DEVELOPERS WINDRIDGE CT		TOWN GLENELL	
STREET OR RFD WINDRIDGE FARMS		SECTION LOT 25	

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	
Top Soil	0	2	
Sandy	2	15	
Sand Stone	15	20	
MICKA	20	30	
Sand Stone	30	35	✓
MICKA	35	38	
Sand Stone	38	80	✓
MICKA	80	145	

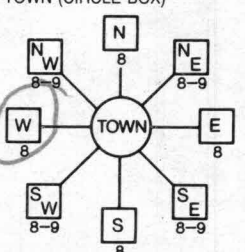
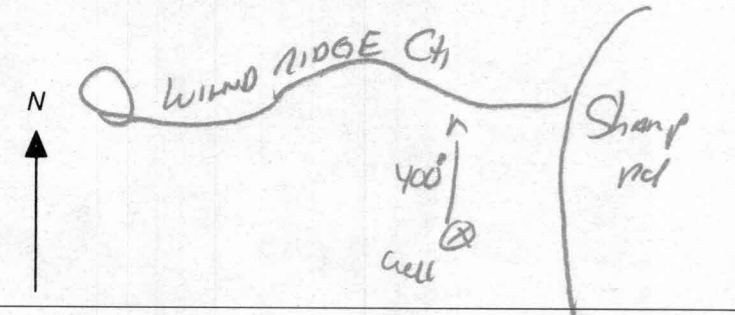
GROUTING RECORD		
WELL HAS BEEN GROUTED (Circle Appropriate Box)		
TYPE OF GROUTING MATERIAL (Circle one)		
CEMENT <input checked="" type="checkbox"/> CM	BENTONITE CLAY <input checked="" type="checkbox"/> BC	
NO. OF BAGS 45 46 7	NO. OF POUNDS 45 46 200	
GALLONS OF WATER 42		
DEPTH OF GROUT SEAL (to nearest foot)		
from 48 TOP 52 ft. to 54 BOTTOM 58 ft.		
(enter 0 if from surface)		
CASING RECORD		
casing types insert appropriate code below	STEEL <input checked="" type="checkbox"/> ST	
	CONCRETE <input checked="" type="checkbox"/> CO	
MAIN CASING TYPE	PLASTIC <input checked="" type="checkbox"/> PL	
	OTHER <input checked="" type="checkbox"/> OT	
Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)	
60 61 63 64 66 70	6 26	
OTHER CASING (if used)		
diameter depth (feet)		
inch from to		
EACH CASING		
screen type or open hole		
insert appropriate code below		
STEEL <input checked="" type="checkbox"/> ST		
BRASS <input checked="" type="checkbox"/> BR		
BRONZE <input checked="" type="checkbox"/> PL		
PLASTIC <input checked="" type="checkbox"/> PL		
OPEN HOLE <input checked="" type="checkbox"/> HO		
OTHER <input checked="" type="checkbox"/> OT		

PUMPING TEST	
HOURS PUMPED (nearest hour)	
8 9 3	
PUMPING RATE (gal. per min.)	
11 15 12	
METHOD USED TO MEASURE PUMPING RATE	
Buckley	
WATER LEVEL (distance from land surface)	
BEFORE PUMPING	
17 20 32 ft.	
WHEN PUMPING	
22 25 33 ft.	
TYPE OF PUMP USED (for test)	
A air	
P piston	
T turbine	
C centrifugal	
R rotary	
O other (describe below)	
J jet	
S submersible	

NUMBER OF UNSUCCESSFUL WELLS: 0	
WELL HYDROFRACTURED	
yes <input checked="" type="checkbox"/> Y	
no <input checked="" type="checkbox"/> 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 S D 112	
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.)	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH)	
56 60	
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	

PUMP INSTALLED	
DRILLER INSTALLED PUMP (YES or NO)	
YES <input checked="" type="checkbox"/> 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.	
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 (nearest foot)	
2 50 51	
LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
Prop Line	
well	
120'	
Prop Line	

<div style="border: 1px solid black; padding: 2px;">B 1</div>		<div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">18657</div>	<div style="border: 1px solid black; padding: 2px;">SEQUENCE NO. (MDE USE ONLY)</div>	<div style="border: 1px solid black; padding: 2px;">STATE OF MARYLAND PERMIT TO DRILL WELL please print or type</div>	<div style="border: 1px solid black; padding: 2px;">STATE PERMIT NUMBER</div>
					<div style="border: 1px solid black; padding: 2px; font-size: 18pt; font-weight: bold;">H0 - 94 - 2811</div> <div style="border: 1px solid black; padding: 2px; font-size: 10pt;">fill in this form completely</div>
<div style="border: 1px solid black; padding: 2px;">Date Received (APA)</div>					
<div style="border: 1px solid black; padding: 2px;">OWNER INFORMATION</div>					
<div style="border: 1px solid black; padding: 2px;">8 MM DD YY 13 <u>BUS DEVELOPERS LLC</u> 15 Last Name Owner First Name 34 <u>8805 Cedar Park Dr Suite 209</u> 36 Street or RFD 55 <u>Columbia MD 21045</u> 57 Town 70 State 72 Zip 76</div>					
<div style="border: 1px solid black; padding: 2px;">DRILLER INFORMATION <u>Ralph Mayne</u> M S D 116 Driller's Name 76 License No. 81 <u>Ralph Mayne well drilling</u> Firm Name <u>9120 Brown Church Rd Mt Airy</u> Address <u>Ralph Mayne 75-00</u> Signature Date</div>					
<div style="border: 1px solid black; padding: 2px;"><div style="border: 1px solid black; padding: 2px;">B 2</div><div style="border: 1px solid black; padding: 2px;">WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</div></div> <div style="border: 1px solid black; padding: 2px; text-align: center;"><div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">5</div><div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">500</div></div> <div style="border: 1px solid black; padding: 2px; text-align: center;"><div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">5</div><div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">12</div></div> <div style="border: 1px solid black; padding: 2px; text-align: center;"><div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">14</div><div style="border: 1px solid black; padding: 2px; font-size: 24pt; font-weight: bold;">20</div></div>					
<div style="border: 1px solid black; padding: 2px;">USE FOR WATER (CIRCLE APPROPRIATE BOX) <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">D</div> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">F</div> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">I</div> INDUSTRIAL, COMMERCIAL, DEWATERING <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">P</div> PUBLIC WATER SUPPLY WELL <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">T</div> TEST, OBSERVATION, MONITORING <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">G</div> GEO-THERMAL</div>					
<div style="border: 1px solid black; padding: 2px;">NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>Howard</u> 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED <u>08/10/00</u> <u>Craig W. Oles</u> 8/9/01 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID <u>520</u> 000 EAST GRID <u>0790</u> 000 50 55 57 63</div>					
<div style="border: 1px solid black; padding: 2px;"><div style="border: 1px solid black; padding: 2px;">APPROXIMATE DEPTH OF WELL <u>150</u> FEET 24 28</div><div style="border: 1px solid black; padding: 2px;">APPROXIMATE DIAMETER OF WELL <u>6"</u> NEAREST INCH</div></div>					
<div style="border: 1px solid black; padding: 2px;">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</div>					
<div style="border: 1px solid black; padding: 2px;">REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">N</div> THIS WELL WILL NOT REPLACE AN EXISTING WELL <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">Y</div> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">S</div> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <div style="border: 1px solid black; padding: 2px; display: inline-block; border-radius: 50%; width: 20px; height: 20px; text-align: center; line-height: 20px;">D</div> THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52</div>					
<div style="border: 1px solid black; padding: 2px;">Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER 54 G A P 63 PERMIT No. <u>H0 - 94 - 2811</u> 70 71 72 73 74 75 76 77 78 79</div>					
<div style="border: 1px solid black; padding: 2px;">LOCATION OF WELL <div style="border: 1px solid black; padding: 2px;">B 3</div><div style="border: 1px solid black; padding: 2px;">8 COUNTY 21 <u>Howard</u> 23 SUBDIVISION <u>WINDRIDGE FARMS</u> SECTION <u>2</u> LOT <u>25</u> 44 46 48 50 <u>GLENWELG</u> 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) <u>I</u> M I 73 76 77 78</div></div>					
<div style="border: 1px solid black; padding: 2px;"><div style="border: 1px solid black; padding: 2px;">B 4</div><div style="border: 1px solid black; padding: 2px;">1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) </div><div style="border: 1px solid black; padding: 2px;">11 NEAR WHAT ROAD 30 <u>WINDRIDGE CH</u> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 <u>400'</u> 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: _____ BLK: _____ PARCEL: _____</div></div>					
<div style="border: 1px solid black; padding: 2px;"><div style="border: 1px solid black; padding: 2px;">SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <u>well</u> 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E <u>790</u> N <u>520</u> DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION </div></div>					
<div style="border: 1px solid black; padding: 2px;">SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</div>					

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2811
Location of property (road) Windridge Farms Court
Subdivision Windridge Farms section 2 Lot 25 Block Plat Sec.
Well Driller Ralph Mayne Owner BRS Developers

Depth of well 145'
Distance of measuring point (M.P.) above ground 2 ft
Static water level (S.W.L.) below M.P. 32 ft

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 12 GPM
Total time 15 min to reach pumping water level 33 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

10/19/01

**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: CLARKE PTH INC Telephone #: 410-489-4029
Address: 3510 Ridge Rd
Westminster, MD 21157

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Ken Clarke License# 3808

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

Name of Property Owner: Hamilton Reed Telephone #: 410-480-9196
Subdivision: Windridge Farms Lot #: 25 Well Tag #: HO-94-3811
Site Address: 14505 Windridge Ct

Submersible Pump Data

Make: Goulds
Model #: 75B05422
Pump Capacity 7 GPM
Well Yield: 12 GPM

Pitless Adapter

Make: Harvard
Model#: P-7-800
Depth: 42 (36" min)
NSF approved:

Well Cap and Electric Conduit

Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 140 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house

Type: Plastic
PSI: 1" (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

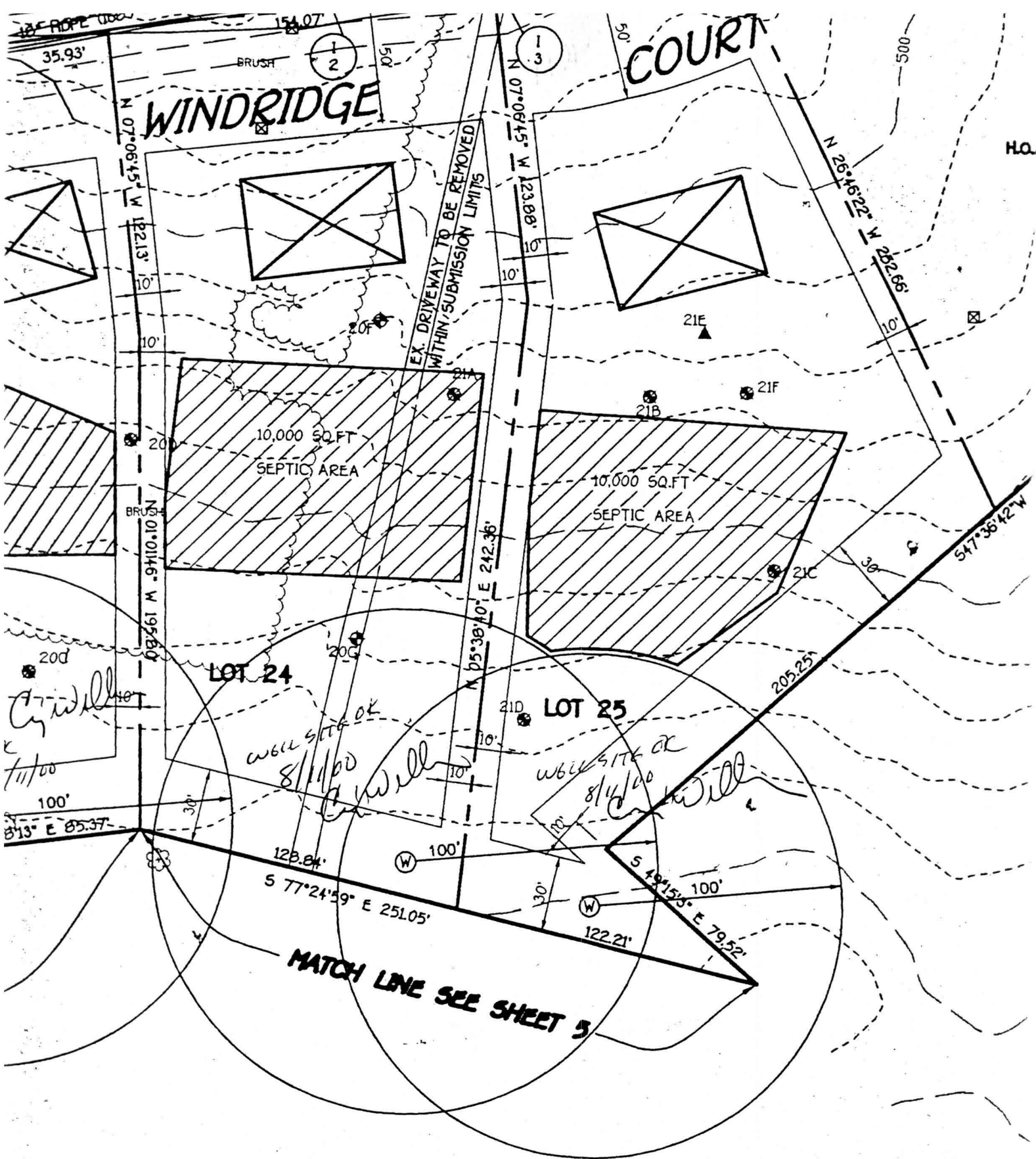
PVC sleeved to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: 15'
Sleeve caulked and sealed properly: ✓

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: Ken Clarke date: 10-4-01

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

Date Insp. Requested: 6/22/01 Date Insp. Approved: 6/22/01 (BB) SRH
Inspection Data: Pitless adapter and 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 installed inside of well casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pitless adapter ✓



PLAN

SCALE: 1" = 50'