

9/29
10:00

Plumber
10/13/94
10:13-94
6-0-12:00
Problem
below
HPI
ALB
OK

3/23/95

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

02-339501

10/13/94 Needs pump tested
3/23/95 Pump tested
LATE test water still
file # P 50286
A 39199

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933 313-2640

DISTRICT 2nd

DATE 9/22/94

DATE SYSTEM APPROVED 3/23/95

INSPECTOR C.B.D.

INDEXED

9/29 Stanley of
J. Joseph Gartland

IS PERMITTED TO INSTALL ALTER

ADDRESS 1835 West Old Liberty Road, Westminster, Maryland PHONE 875-2400

SUBDIVISION Burleigh Manor LOT 665 ROAD 10434 Kingsbridge Road

PROPERTY OWNER Ravi Anandakrishnan

ADDRESS Early A.M. Plumber to call C.W. 9/29/94
SEPTIC TANK CAPACITY 1500 GALLONS (9/29/94 Recommendation: Tight 10,000 sq ft storage reservoir)

NUMBER OF BEDROOMS 5
① Sewage ejector pump inside

180 SQUARE FEET PER BEDROOM
② Pump system after tank, due to house plumbing 2' lower than

LINEAR FEET OF TRENCH REQUIRED 225
③ 1000 gallon pump per 100' trench

TRENCHES - Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - As seen from Kingsbridge Road, Start the first trench 120 feet from the rear lot line and 150 feet from the right lot line. Run trenches on contour toward right lot line. Maintain 100 feet from well on this lot and well on adjacent lot 666.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 4/23/93 RH

OK TO INSTALL HIGH TRENCH INLET 4' BOT 8' 2ND TRENCH INLET 3' BOT 7' 2 TRENCHES 112' EACH; ~~100'~~ TRENCHES HIGHER IF POSSIBLE; MAINTAIN 100'

PLANS APPROVED BY Mark Rifkin/Raymond Hodges TO ADJACENT WELL
REVISOR DATE 3/11/93 LOT 666

COVER NO WORK UNTIL INSPECTED AND APPROVED
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

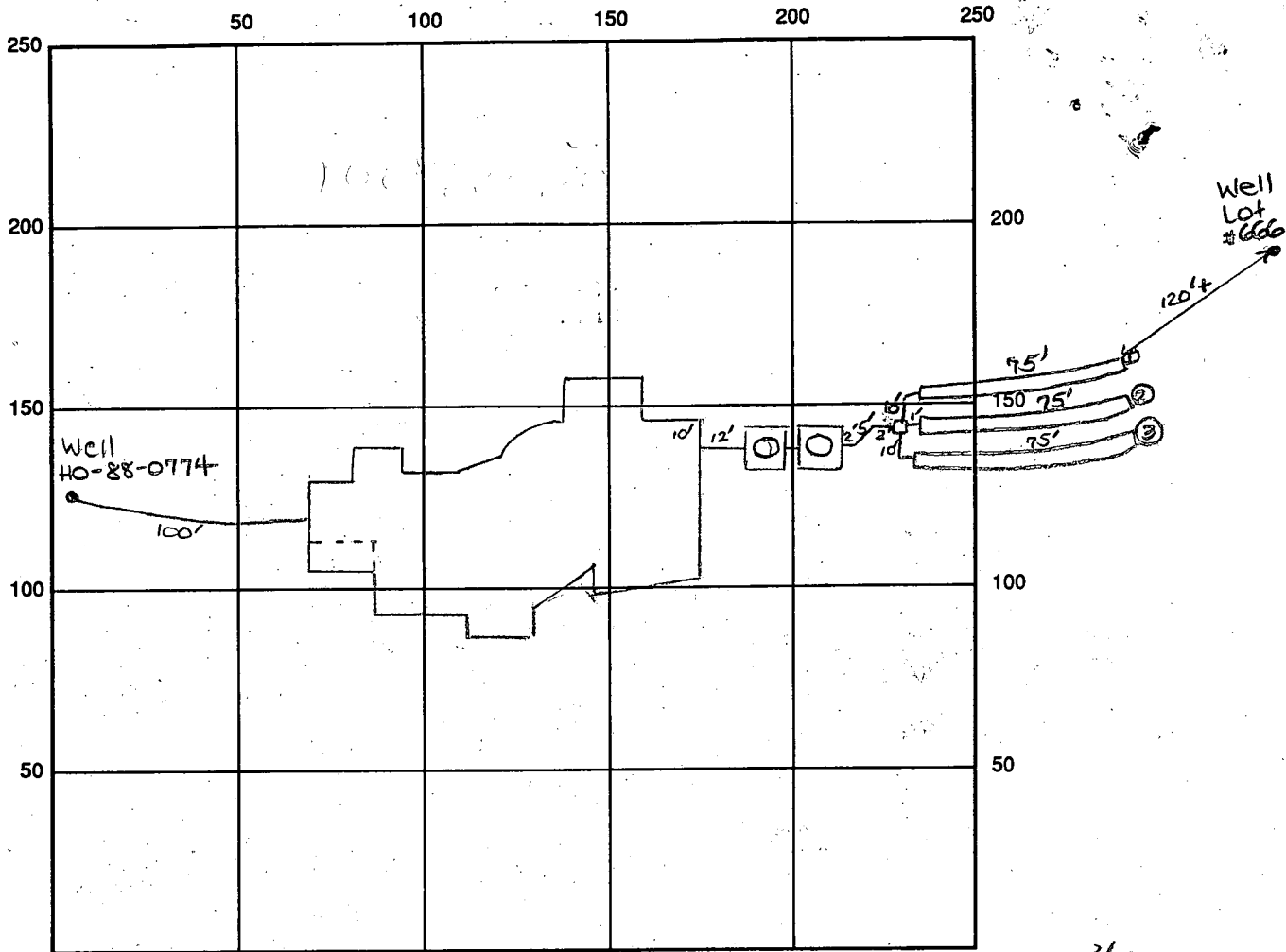
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

A 39199



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Kingsbridge Road 3/23

3/23

SEPTIC TANK LEVEL 1000 gal pump pit CLEANOUTS manholes on both tanks
1500 gal S.T.

DISTRIBUTION BOX LEVEL OK - baffle in

DRAIN FIELD/TITLE DEPTH 7 FT. TRENCH WIDTH 2 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 4 FT. TOTAL LENGTH 75 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 900 SQ. FT.

REMARKS: 9/29/94 ON HOLD - plumber to call Mr. C. Williams
about ejector pump inside and on pump after S. Tank
to dist box; OK

10/13/94 OK to cover all septic work and well line.

Needs pump. tested. OKS 1/20 early left at 12

3/23/95 - pump not checked No. First check - "Waited on pump pit to fill"

Basement Controls tested
 DATE SYSTEM APPROVED

3/23/95 Inspector Charles Bryan

OK

light on control pump
3/23/95 OK IN P.M. Pump found running, pet. ok
full of water 4:30 ch.

3/23
 11:00
 -12:00
 1.00
 -2.00
 1.50
 3/23
 3:30-4:30

4/17/90
PM
1:30

APPLICATION

PERCOLATION TESTING

A 45781
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____
DATE 4/11/90

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER STEWART J. Greenbaum Attn: Pope Woodard

ADDRESS 1929 Pentastown Rd Suite 410 Baltimore MD 21208 PHONE 484-8400

PROSPECTIVE BUYER RAVI AND UMADEVI ANANDAKRISHNAN (DR. KRISHNAN) et al

ADDRESS 4595 KINGSCUP CT ELLICOTT CITY MD 21043 PHONE 997-4620
DAY PHONE: 383-2072

PROPERTY LOCATION: Burleigh Manor
SUBDIVISION PRESERVE (Subdivision II) LOT NO. 665 (RETEST)

ROAD AND DESCRIPTION Kingsbridge Rd

TAX MAP _____ PARCEL # _____
SIZE OF LOT 3.36 ACRE TYPE BLDG. _____
BLDG. PERMIT SIGNED AND RETURNED 4/8/90
Single family
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. M. Anandakrishnan

APPROVED BY C.B. Sheehy 6/22/90 FOR shallow trenches 3' wide 4' to 6' inlet 4' DATE 4/17/90

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING ✓ Fee Apr. 17 - 1:30 P.M.
4/17/90 Holding for revised perc. plan; House sits & to show (2) existing water wells C.B.S. Need to send letters.

HD-216

THIS IS NOT A PERMIT

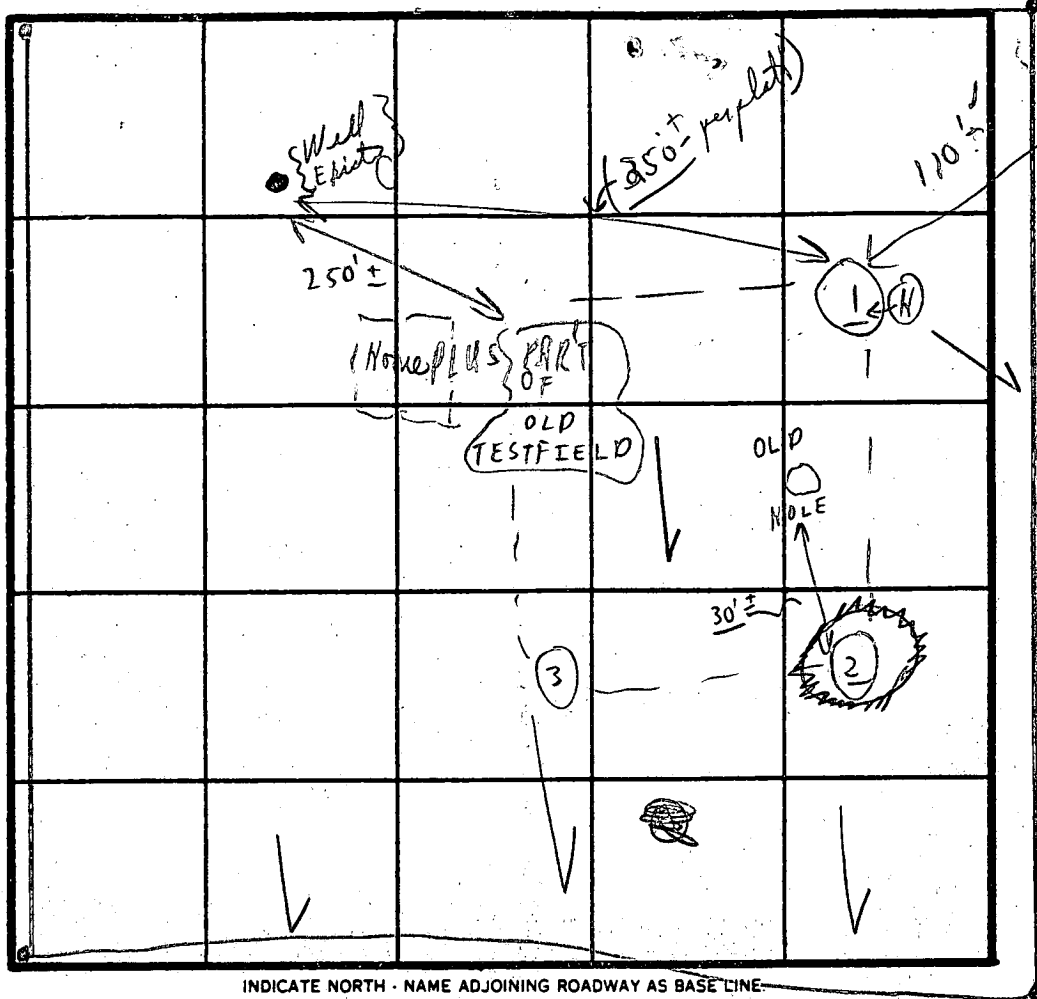
EXISTING SCHOOLS

Retest

A45781
LOT 655
#1 HOLE

SOIL PROFILE

→ to 3 1/2' CLAY
3 1/2 to 9 1/2' SANDY SAND
DRY High



EXISTING WELLS
#4 HOLE

~~0' to 4' CLAY~~
~~4' to 10' SANDY LOAM~~
~~NO TESTS~~

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
KINGS BRIDGE ROAD

#2 HOLE

0' to 4' CLAY
4 1/2 to 10 1/2' SANDY LOAM
Water @ 10' XX

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/12/90	①	3 1/2'	1:15	1:17	1:17	1:19	2 min	
P.M.	②	9 1/2'	Sandy - sand light					
	③	4'±	Sandy loam					
	④	10'±	Water					XXX
	⑤	4 1/2'	1:20	1:23	1:23	1:30	2 min	
	⑥	9'	Dry to Water		10'-10" @		Sandy loam 10' Water XXX	
	⑦		/					
	⑧		/					
	⑨		/					
	⑩		/					

EXISTING WELLS
#3 HOLE

0' to 4'± CLAY
4' to 10' SANDY LOAM
Water @ 10' XXX

REMARKS: Tests in Woods [[3] Hole] Note (shallow water 3' depth, 4'± deep)

TYPE OF SOIL: Tests per marked lot; Hold for revised per plat

TESTED BY: C.B. ✓ ALSO PRESENT: { Fogles } owners

APPLICATION

PERCOLATION TESTING

A 39199

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

*6/4/87
perc OK'd
pending approved
plan*
(M)

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Stewart J. Greenbaum
~~Gerald M. Katz, Trustee c/o Whitman, Bequardt and Associates~~

484-8400

ADDRESS 2315 St. Paul Street, Baltimore, Md. 21218 PHONE (301) 235 3450

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

LOT 665 on prelim plan

PROPERTY LOCATION:

SUBDIVISION Burleigh Manor Section 2 LOT NO. 50

ROAD AND DESCRIPTION West of the intersection of Centennial Lane and Old Annapolis Road
(10434 Kingsbridge Road)

TAX MAP 23, 24 PARCEL # 290

SIZE OF LOT 3 Ac. TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Sten Slone (301) 484-8400
(SIGNATURE OF APPLICANT)

APPROVED BY B Nyfan FOR Deep system DATE 2/5/88

REJECTED BY _____ FOR _____ DATE _____

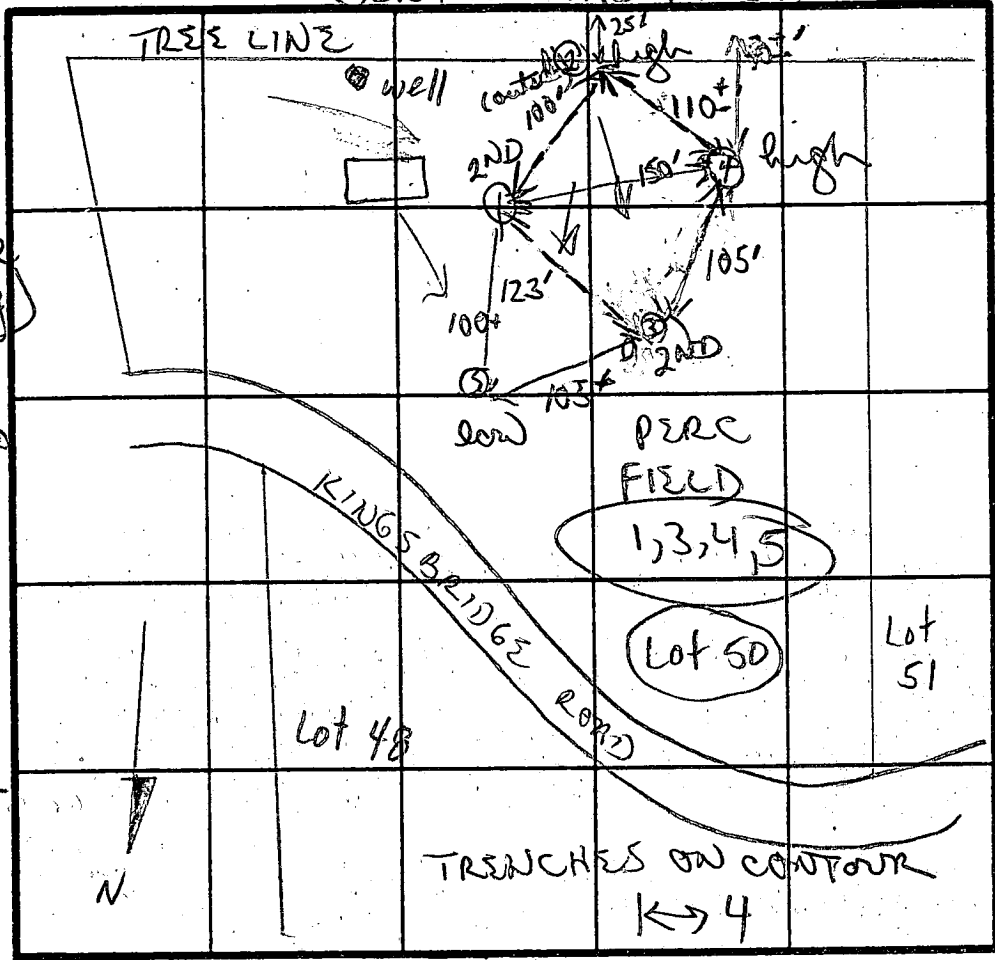
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes & sub-i plan

**BLDG. PERMIT SIGNED
AND RETURNED** 9/19/89
Serial # 28863
SFD - 5 Bedrooms

THIS IS NOT A PERMIT

CENTSWINIAZ FIELD



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
ROAD "AA"

③
layers brown
orange / tan
sandy silty
loam
3 1/2
to mostly
orange / white
feldspar
w/ scattered
small shell
frag
12 1/2 D
④
Brown / tan
w/ patches of
orange
powdery silty
loam

①
SOIL PROFILE
Brown / orange
clay (chubby)
3 1/2
patches of
orange / white
sandy silty loam
max
↓
8'
gradually
to mostly
tan / orange
silty loam
w/ 2-10% shell
frag 11"
↓
11 1/2 D

②
Brown / patches
orange clay
4 1/2
no layers of
small med
frag weathered
bricks
↓
25%
10 1/2 hard
⑤

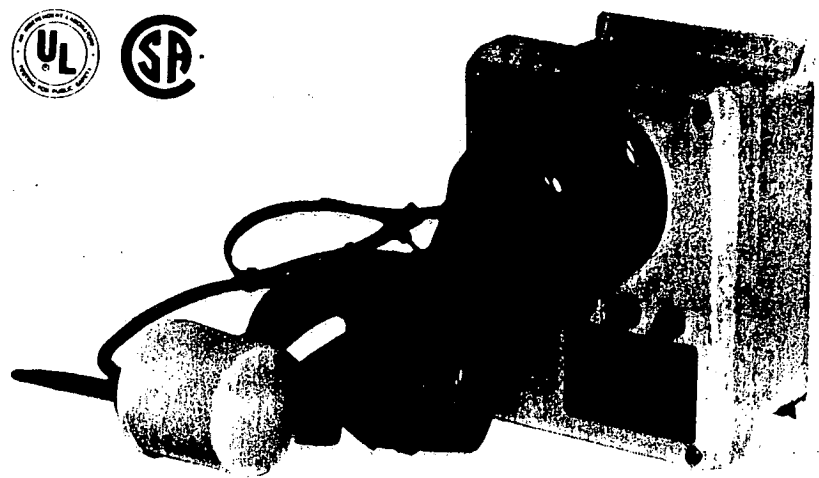
orange / yellow
tan clay /
clay silty /
loam 3 1/2
to mostly
tan / grey
silty med
loam
slump w/ possible mottling 13' to trace 14'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
10/4/87	①	3 1/2	1057	1108	1108	1123	13 MIN	
		11 1/2	bottom (see profile)					
	②	4 5	1103	1104	1104	1106	2 MIN	
		10 1/2 D	bottom (see profile)					hard bottom
	③	4 1/5	1117	1118	1118	1120	2 MIN	
		12 1/2 D	bottom (see profile)					X = 7 1/2 MIN
	④	2 1/5	1154	1155	1155	1157	2 MIN	
		5 1/2 m	1144	1147	1147	1152	5 MIN	
		12 D	bottom (see profile)					INLET 3 1/2 MAX D 7'
	⑤	4 1/2 14 D	1200	1211	1211	1230	19 MIN	

REMARKS: perc field adjusted downhill due to rock in high hole
TYPE OF SOIL: orange / brown clay / silts 3-4'; orange tan silty loam
TESTED BY: B. W. N. J. ALSO PRESENT: Rocky, Chris

10/5 For → #665 Burlington Manor

SINGLE PHASE, SIMPLEX PUMP CONTROL/ ALARM SYSTEM



APPLICATION

The SJE® Series 1100 pump control/alarm system provides residential and commercial customers with a reliable means of controlling one single phase pump in water and sewage installations. If alarm conditions occur, the alarm float activates the audio/visual alarm system. Common applications include pump chambers, sump pump basins, irrigation systems, and lift stations.

STANDARD FEATURES

- NEMA 4X Enclosure
- Alarm Light
- Alarm Horn
- Pump Run Indicator Light
- Horn Silence Switch

- Test Switch

- HOA Switch
- Float Switches (included)
- Complete Installation Instructions
- UL Listed and CSA Certified

- **2 YEAR LIMITED WARRANTY**

ADVANTAGES

Weatherlight enclosure prevents corrosion of electrical components.
 Large, flashing light provides visual check for alarm condition.
 Loud, pulsating horn provides audio warning of alarm condition.
 Run light provides visual indication of power to pump.
 Silence switch allows manual silence of alarm horn. Alarm silence resets automatically.
 Exterior switch allows testing of horn and light to assure proper operation of alarm system.
 HOA switch offers manual control of pump.
 Complete packaging insures quality of entire control/alarm system.
 Step-by-step instructions are included for easy installation.
 ENTIRE control system (panel and switches) meets industry standards for quality and safety.
 Complete unit conveys manufacturers commitment to quality and customer satisfaction.

NEW OPTIONS AVAILABLE - See Panel Option Specification sheet for more details.

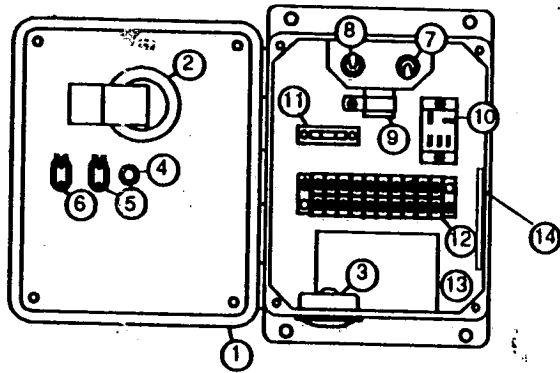
Model Number	Pump HP/Voltage	Alarm Voltage	Float Switches Included
1101-01*	1HP/120V or 2HP/230V	120VAC, 60Hz 70 WATT MAX. (alarm condition)	2 (one alarm switch, one single float pump switch)
1102-01*	1HP/120V		3 (one alarm switch, one double float pump switch)
1102-02*	2HP/230V		3 (one alarm switch, one double float pump switch)

*When ordering, please indicate H (high, Normally Open) or L (low, Normally Closed) liquid level control operation after model number.

This pump control must be used with pumps equipped with integral thermal overload protection.

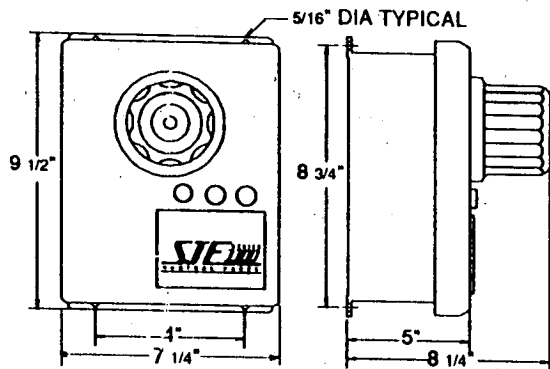
SJE® SERIES 1100 CONTROL PANEL

1075 For #665 Burlington
Maine



- | | |
|-----------------------------------|------------------------------|
| 1. NEMA 4X Enclosure | 8. Alarm On/Off Switch |
| 2. Flashing Alarm Light | 9. Solid State Flasher |
| 3. Alarm Horn | 10. Auto Reset Silence Relay |
| 4. Pump Run Indicator | 11. Alarm Fuse Block |
| 5. Auto Reset Horn Silence Switch | 12. Terminal Strip |
| 6. Alarm Test Switch | 13. Grounding Lug |
| 7. HOA Switch | 14. Schematic Diagram |

ENCLOSURE DIMENSIONS



This product has been carefully designed and manufactured using only materials of the highest quality. S.J. ELECTRO SYSTEMS, INC. cares about the CONSUMER and stands behind this product with a Two-Year Limited Warranty.

SPECIFICATIONS

ENCLOSURE MATERIAL

NEMA 4X weathertight, non-corrosive fiberglass

ALARM SECTION VOLTAGE: 120VAC 60 Hz, Single phase, 70 Watt maximum (alarm condition)

PUMP SECTION VOLTAGE:
120VAC 60Hz, 1HP Single phase

Maximum pump running current: 15 amps

Maximum pump starting current: 55 amps

Recommended for use on pumps of 1HP or less provided pump amp draw does not exceed 15 running amps or 55 starting amps.

230VAC 60Hz, 2HP Single phase

Maximum pump running current: 15 amps

Maximum pump starting current: 35 amps

Recommended for use on pumps of 2HP or less provided pump amp draw does not exceed 15 running amps or 35 starting amps.

This pump control should be used only with pumps equipped with thermal overload protection.

FLOAT SWITCHES

SENSOR FLOAT® Control Switch (pipe clamp version)

HOUSING: 3.38 inch (8.58cm) diameter x 4.55 inch (11.56cm) long, high impact resistant, non-corrosive PVC plastic for use in liquids up to 140° F (60° C)

CABLE: 20ft. (6.09m) 16 gauge, 2 conductor SJOW-A (UL), SJOW (CSA) water resistant Neoprene.

SUPER SINGLE® Pump Switch

HOUSING: 3.38 inch (8.58cm) diameter x 4.25 inch (10.80cm) long, high impact resistant, non-corrosive PVC plastic for use in liquids up to 140° F (60° C)

CABLE: 20ft. (6.09m) 14 gauge, 2 conductor SJOW-A (UL), SJOW (CSA) water resistant Neoprene.

DOUBLE FLOAT™ Pump Switch (120 VAC or 230 VAC)

HOUSINGS: 3.38 inch (8.58cm) diameter x 4.55 inch (11.56cm) long, high impact resistant, non-corrosive PVC plastic for use in liquids up to 140° F (60° C)

CABLE: 14 gauge, SJOW-A(UL), SJOW (CSA) water resistant Neoprene, (cable from float to splice)
14 gauge, 3 conductor, SJTOW-A(UL), SJTW (CSA)



S.J. ELECTRO SYSTEMS, INC.

Built with Pride - Employee Owned

PO Box 1619 County Rd 6 Detroit Lakes, MN 56502

Telephone: 218-847-1317 FAX: 218-847-4617



Cat. Pg. L10001C

1001650A

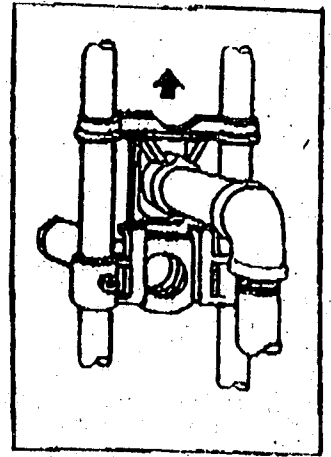
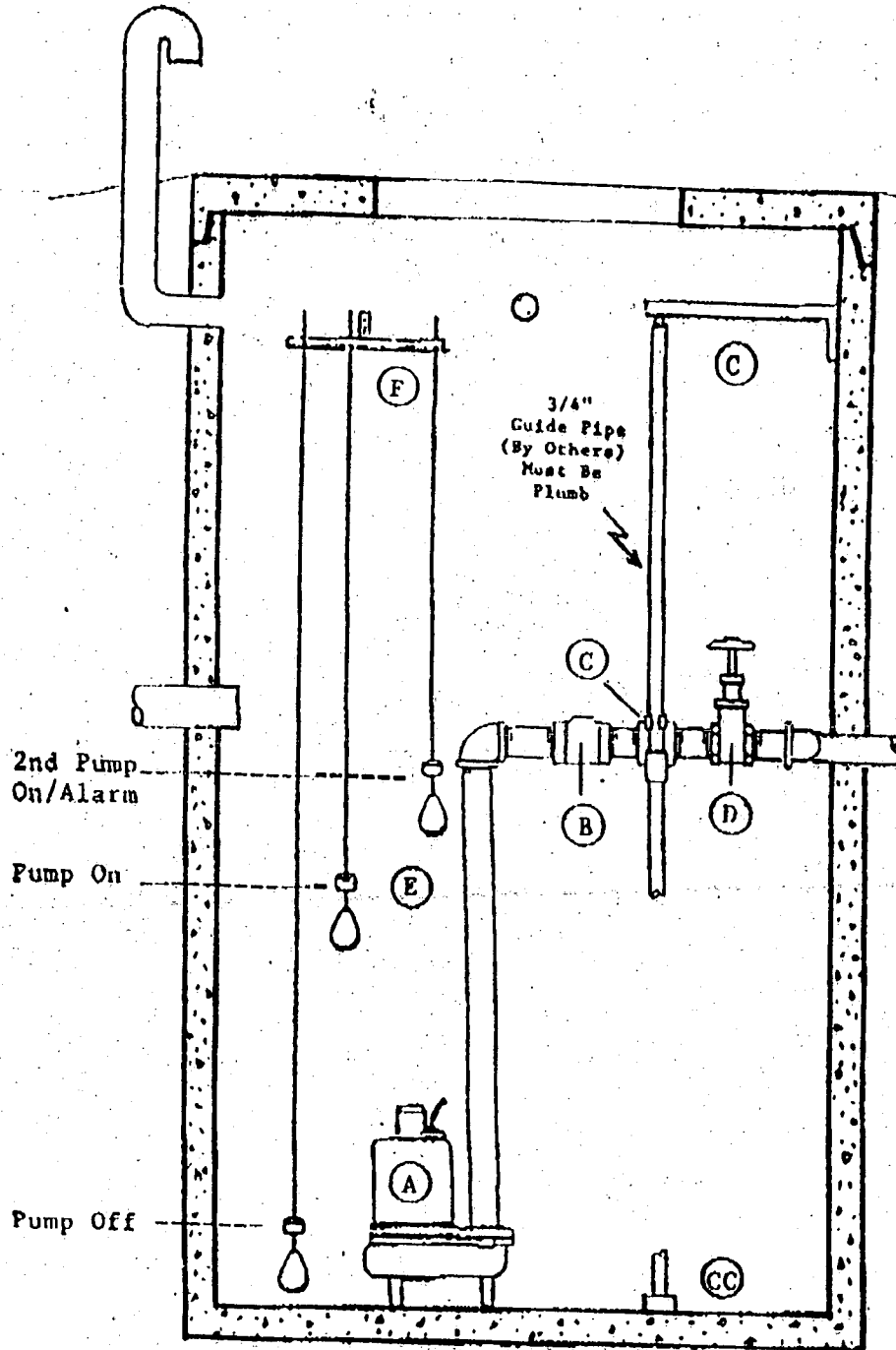
Printed In USA

10/5 For #665 Burlington
Main

- (A) Hydr-O-Matic Sewage Pump
- (B) Check Valve
- (C) Bronze Quick Disconnect w/top Support Bracket

- (D) Bronze Gate Valve
- (E) Mercury Level Controls
- (F) Switch Mounting Bracket

* Optional Material
 (CC) * Bronze QDC Foot Bracket



Hydr-O-Matic Pump Models Available For Duplex Systems:

- SP40M
- SP50M *
- SK50M *
- SK60M *
- SK75M *
- SK100M *

* Also Available In 3" Discharge

Note: Sand, dirt, stones, mortar, etc. should be swept and removed from the wet well. If these materials are left in the system, they may jam the impeller in the pump.

DUPLEX SEWAGE SYSTEM
Outdoor Installation

10/5 For #665
Burling Manor

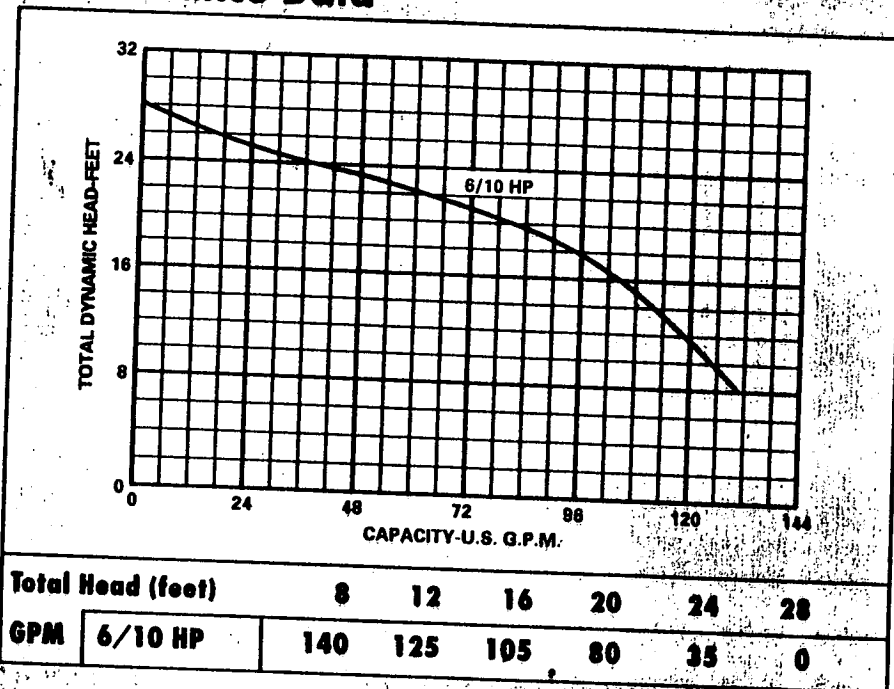
ENGINEERING DETAILS - SK60



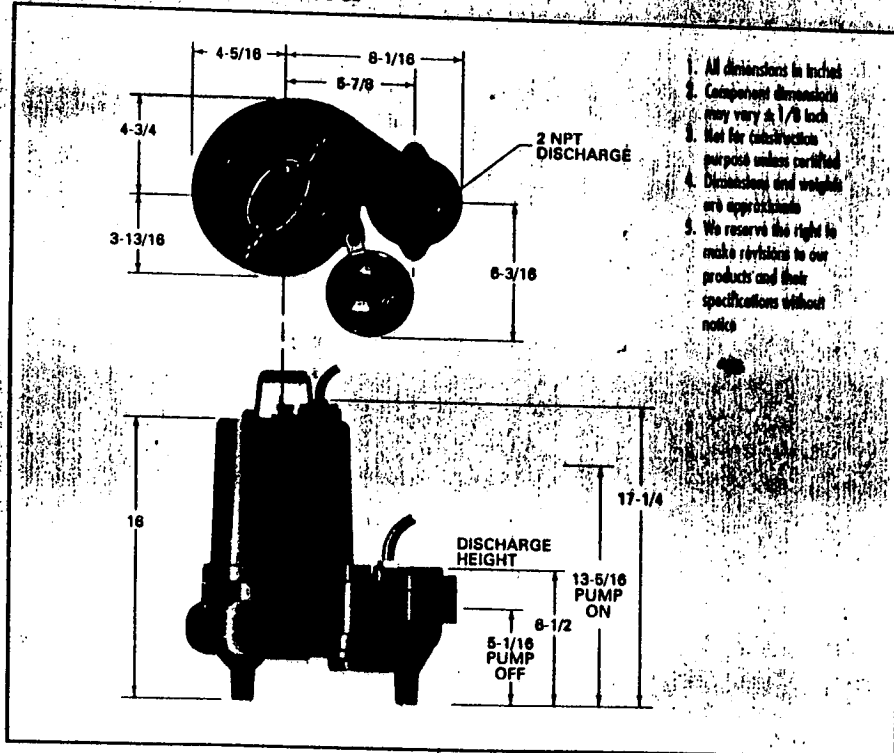
Pump Characteristics

Pump/Motor Unit	Submersible						
Manual Model	M1	M7	M2	M6	M3	M4	M5
Automatic Models	A1	—	A2	—	—	—	—
Horsepower	6/10						
Full Load Amps	12.0	6.9	6.0	3.0	2.5	1.3	1.1
Motor Type	Split Phase			Three-Phase			
R.P.M.	1750						
Phase Ø	1			3			
Voltage	115	200	230	200	230	460	575
Hertz	60						
Operation	Intermittent						
Temperature	140°F Ambient						
NEMA Design	A						
Insulation	Class A						
Discharge Size	2" NPT std. (3" opt.)						
Solids Handling	2"						
Unit Weight	63 lbs.						
Power Cord	16/3, STW, 1ø, 115V = 10' std. (20' opt.) 200v, 230V = 20' std. 16/4, STW, 3ø, 200V, 230V, 460V, 575V = 20' std.						

Performance Data



Dimensional Data



Materials of Construction

Handle	Steel
Lubricating Oil	Dielectric Oil
Motor Housing	Cast Iron
Pump Casting	Cast Iron
Surge Housing	Thermoplastic
Shaft	Stainless Steel
Impeller Seal	Seal Faces: Carbon/Ceramic Seal Body: Brass Spring: Stainless Steel Bellows: Buna-N
Impeller	Cast Iron
Upper Bearing	Bronze Sleeve
Lower Bearing	Single Row Ball Bearing
Fasteners	Stainless Steel

AURORA/HYDROMATIC Pumps, Inc.
1840 Baney Road, Ashland, Ohio 44805
(419) 289-3042

B 1 **5661** SEQUENCE NO. (DP 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

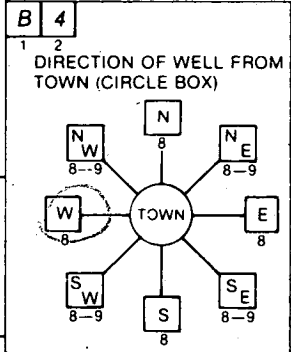
STATE PERMIT NUMBER
HO-88-0774
 fill in this form completely

Date Received (APA)
05 23 89

OWNER INFORMATION
GRUBBAUM ROSS A.S.S.
 Last Name Owner First Name
1797 PEISTERS TOWN RD.
 Street or RFD
BALTIMORE MD 21208
 Town State Zip

B 3 LOCATION OF WELL
HOWARD COUNTY
RIPPLE HILL MANOR SUBDIVISION
 SECTION **2** LOT **665**
ELICOTT CITY NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **3 1/2** MI

DRILLER INFORMATION
Joseph L. Mayne License No. **238**
Joseph L. Mayne Well Drilling Firm Name
5512 RIDGE RD. MT. AIRY 21771 Address
Joseph L. Mayne Signature **5/22/89** Date



Kingsbridge Rd. NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 DISTANCE FROM ROAD **150** ENTER FT or MI **FF**

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

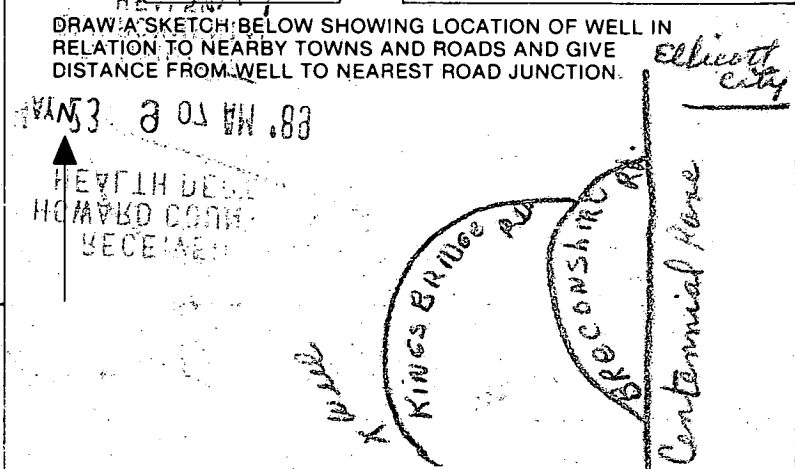
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME
A 39199 COUNTY NO.
 STATE SIGNATURE _____ INSERT S _____
 DATE ISSUED **06 16 89** CO SIGNATURE **Chas Williams** EXP. DATE **12/16/89**
 NORTH GRID **518 000** EAST GRID **836 000**

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

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
7/19/89 AM
 SOURCES OF DRILLING WATER
 1. **well**
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE

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
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 FORCE **CW** WRITE INITIALS IN BOX PERMIT No. **HO-88-0774**

SPECIAL CONDITIONS:
 COUNTY

C1 0069

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A39199

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid

Depth of Well grid

PERMIT NO. grid

OWNER Greenberg Assoc last name Kingsbridge Rd first name TOWN Ellicott City SUBDIVISION RIVLEIGH MANOR SECTION LOT L65

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include SAND Stone (0-56) and GARNETIC ROCK (56-165).

GROUTING RECORD WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY NO. OF BAGS 12 NO. OF POUNDS 1198 GALLONS OF WATER 99 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 7 ft.

CASING RECORD casing types insert appropriate code below ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) ST 6 62

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

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

DEPTH (nearest ft.) grid for each casing and screen. Includes slot size and diameter of screen.

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.

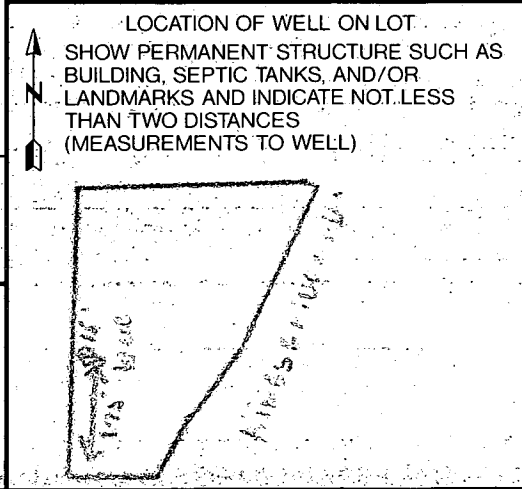
DRILLERS IDENT. NO. 238 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

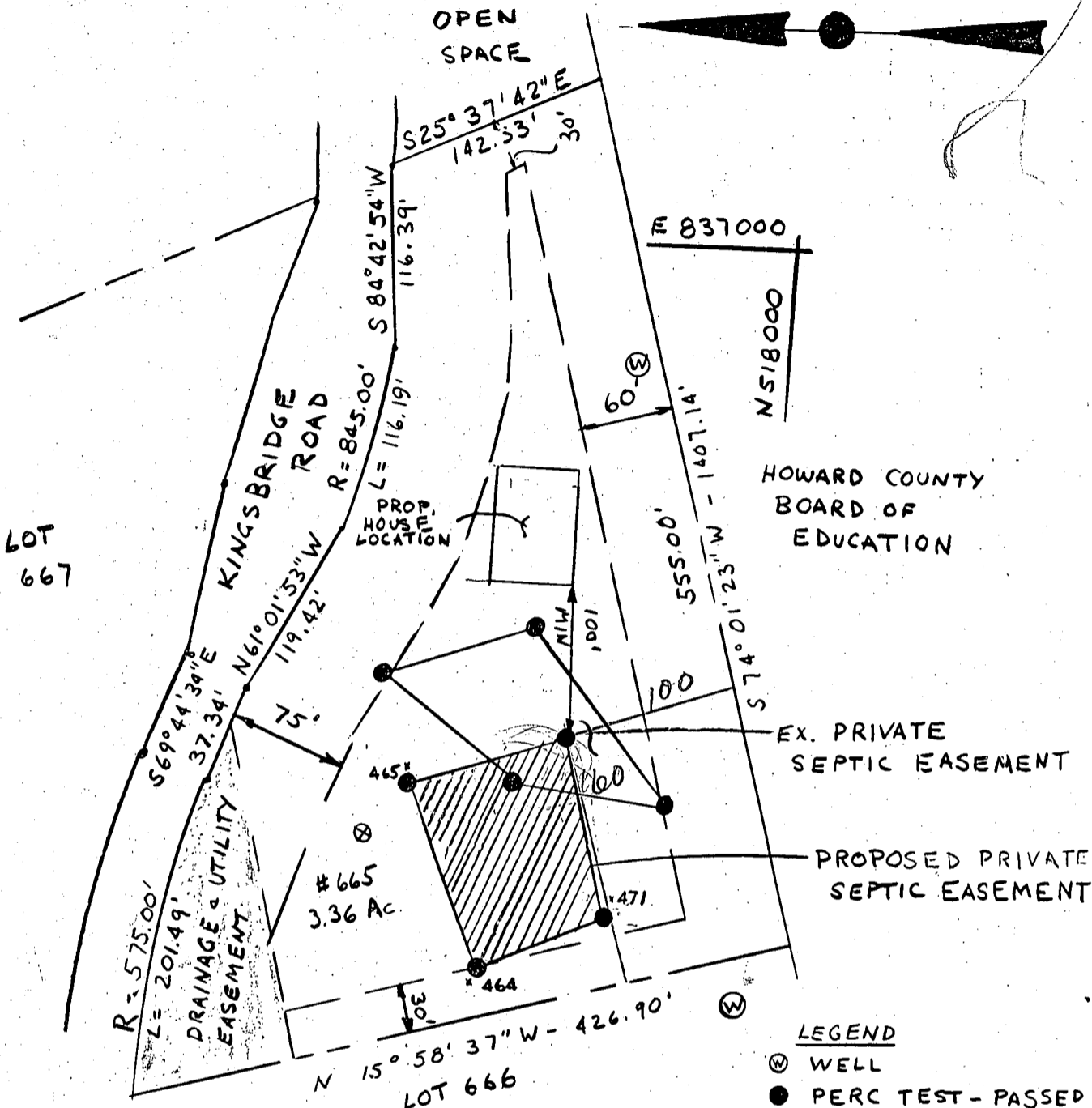
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 20 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 20 WHEN PUMPING 48 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 WILL INSTALL PUMP YES NO IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)



COUNTY



E 837000
N 518000

HOWARD COUNTY BOARD OF EDUCATION

EX. PRIVATE SEPTIC EASEMENT

PROPOSED PRIVATE SEPTIC EASEMENT

LEGEND

- ⊙ WELL
- PERC TEST - PASSED
- ⊗ PERC TEST - FAILED
- ▲ SPOT ELEVATION

APPROVED: _____
CHIEF, LAND DEV. DIV. ENGINEERING DATE

APPROVED: _____
CHIEF, DIV OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

OWNER:
G R DEVELOPMENT CORP.



TO: G.R. DEV. CORP

I CERTIFY THAT THE LOCATION & ELEVATION OF TEST HOLES ARE CORRECT

Thomas J. Shafer
THOMAS J. SHAFER
REG. ENGINEER # 8457

John Boyd 6-21-90
HOWARD COUNTY HEALTH OFFICER DATE (w)

G R DEVELOPMENT CORP.
SUITE 410
1829 REISTERSTOWN ROAD.
BALTIMORE, MD 21208

BURLEIGH MANOR
SECTION 2

PLAT 8315
RECORDED:

WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND - 21218

PROPOSED SEPTIC EASEMENT
LOT: 665

DATE: _____
SCALE: 1" = 100'

