

C1 0303

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 13 A522519

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

02 23 06

22 220 26

5/16/06 HO 95 0221

OWNER Brown Charles STREET OR RFD Monticello Drive TOWN Cooksville SUBDIVISION Brown Property SECTION LOT 9C

WELL LOG

Not required for driven wells

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 15 NO. OF POUNDS 1500

GALLONS OF WATER 90

DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 52 ft. to 30+ BOTTOM 58 ft.

CASING RECORD

caseing 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) 52

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

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

DEPTH (nearest ft.)

Table with columns 1-11 and 15-17, 21-23, 26-28, 30-32, 36-38, 41-43, 45-47, 51-53

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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

PUMPING RATE (gal. per min.) 7.5

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 17 20 ft.

WHEN PUMPING 50 25 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

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

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

PUMP HORSE POWER 37 41

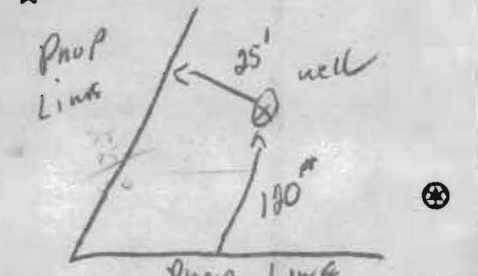
PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

above below 2 (nearest foot)

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)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES 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. M SD 112

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

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

B 1 0956

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-0221 fill in this form completely

OWNER INFORMATION: Date Received (APA) 12/21/05, Land Marketing Consultants, 3060 Washington Rd, Glenwood MD, 21738

LOCATION OF WELL: Howard County, Brown Prop, Monticello Dr, SECTION 44-46, LOT 9-C, COOKESVILLE, MILES FROM TOWN 0.73

DRILLER INFORMATION: Ralph E. Mayne, M SD 117, Ralph E. Mayne Inc, 17024 Handy Rd, Mt Airy MD 21771, Dec 17 2005

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NE, NEAR WHAT ROAD Hook Mill Rd, ON WHICH SIDE OF ROAD EAST, DISTANCE FROM ROAD 900 FT, TAX MAP: 8 BLK: 17 PARCEL 326

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

USE FOR WATER (CIRCLE APPROPRIATE BOX): D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

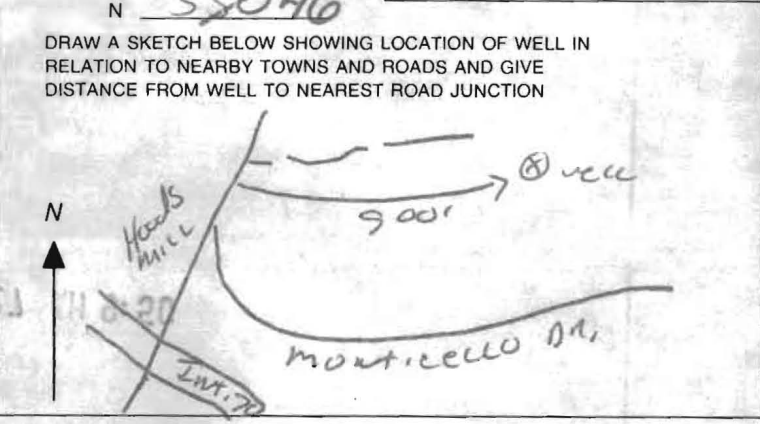
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard (13) A522519, Brian Baber 1/24/2007, NORTH GRID 546 000, EAST GRID 797 000

APPROXIMATE DEPTH OF WELL 150 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH, NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X, SOURCES OF DRILLING WATER 1. well, WRITE THE BOX NUMBER FROM THE MAP HERE E 797, N 55046

METHOD OF DRILLING (circle one): AIR-ROTary, JETTED, ROTARY (Hydraulic Rotary)

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): N THIS WELL WILL NOT REPLACE AN EXISTING WELL, PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED 41



Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER G, PERMIT No. HO-95-0221

SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

1/11/06

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: Cumberland + Co. Telephone #: 3018546838
Address: 16391 A.E. Mullinix Rd
Woodbine MD 21797

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

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

Name (Print): Kelly Cumberland License# 41417

*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: Tam + Joann Brown Telephone #: 410 489 4971
Subdivision: none Lot #: 2 Well Tag #: HO-95-0221
Site Address: 14396 Moticello Drive
Woodbine MD 21797

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Myers Make: Campbell Two piece watertight cap: [checked]
Model #: MJ294 Model#: 4812 Screened, vented well cap: [checked]
Pump Capacity 97 GPM Depth: 60 (36" min) Cap secured to casing: [checked]
Well Yield: 10 GPM NSF approved: [checked] Conduit min 18" B.G.: [checked]
Depth of well encountered at time of pump installation: 200 (feet) Conduit secured to well cap: [checked]
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 [checked]

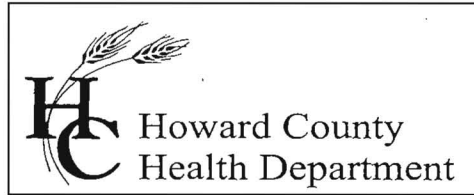
Piping to house House Connection
Type: 200 PSI poly PVC sleeved to undisturbed soil at wall penetration: [checked]
PSI: 200 (160 psi min) Approximate length of sleeve: 6 FT
Depth of supply line: 48 (36" min) Sleeve caulked and sealed properly: [checked]

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: Kelly Cumberland date: 12-8-06

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

Date Insp. Requested: Date Insp. Approved: 12/8/06 (BB)
Inspection Data: Pitless adapter and water supply line at least 36" below grade [checked]
Two piece cap installed and attached to casing securely [checked]
Elec. conduit extends at least 18" below grade/attached to cap properly [checked]
Safety rope installed inside of well casing [checked]
Correct well tag attached properly and casing 8" above finished grade [checked]
Water supply line sleeved adequately at house connection [checked]
Adequate grout observed below pitless adapter [checked]



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

December 8, 2006

Mr. and Mrs. Brown
14600 Monticello Drive
Cooksville, MD 21723

RE: Brown Property - Lot 9C
14596 Monticello Drive
BP # B00159579
Well Permit #HO-95-0221

Dear Mr. and Mrs. Brown:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on December 6, 2006.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-95-0221. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment.**

Date of Water Sample Analysis: December 6, 2006

Date of Well Completion: November 9, 1998

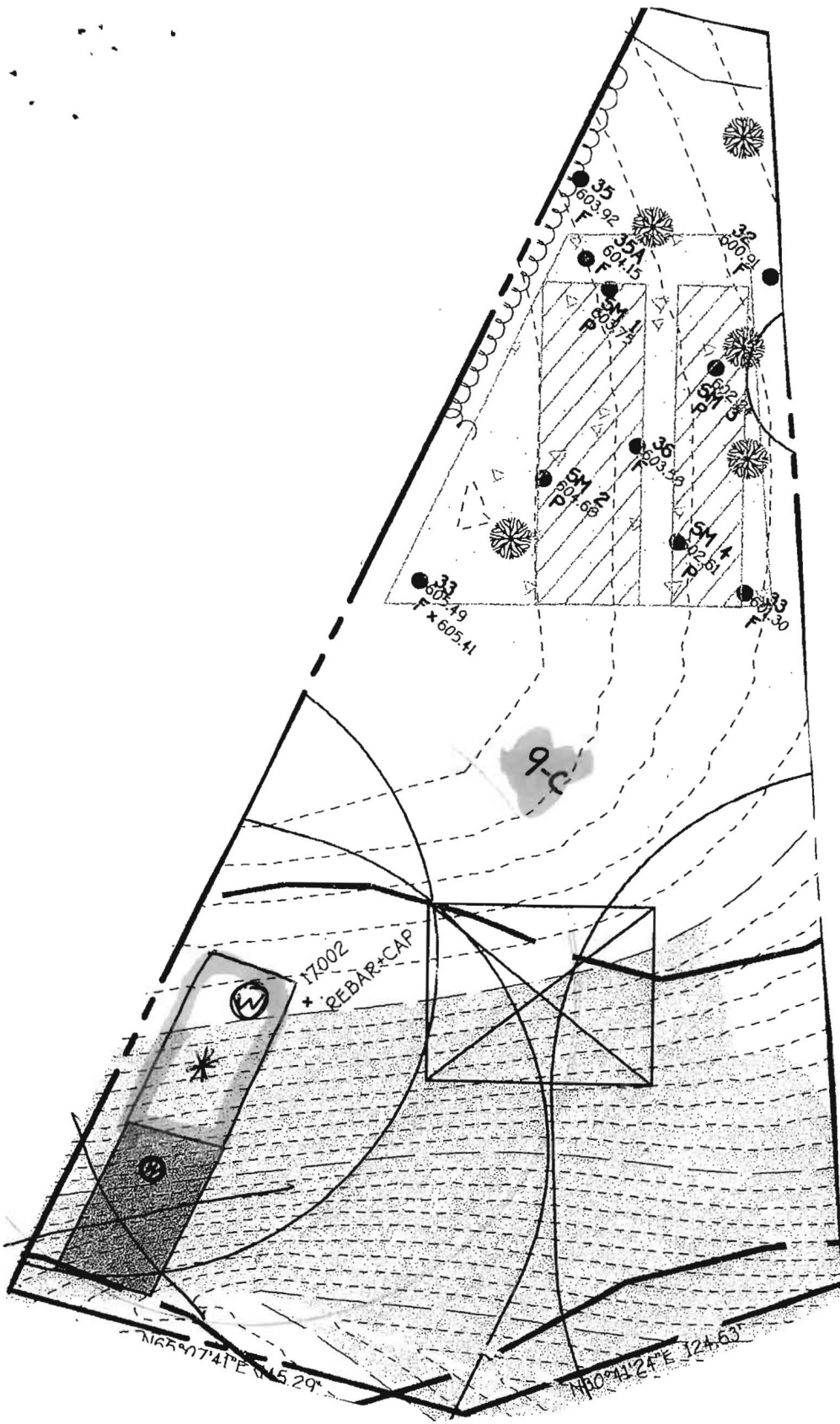
Approving Authority

Brian Baker, R.S.

Well and Septic Program

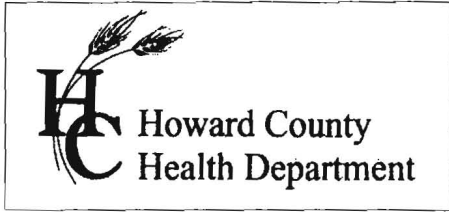
BB

cc: Building Inspector's Office
File



1/24/06
 Well site staked
 by Chuck Zepp
 (BB)

* moved well because of large rock out crop (see GABE need site inspection)



7178 Columbia Gateway Dr. • Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- The well site has been staked by chuck Zepp on 11/29/05 and is ready for site inspection.
- chuck Zepp will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application. This should help improve communication allowing a more timely service for our citizens.

KN Lot 9-C Brown Prop. Sub

Pressure Network Design

Since absorption bed is less than 51 feet long, distribution network will be an End Feed Network

Perforation Spacing = 3.5'

End Feed Lateral Length = $42' - 1.75' - 1.0' = 39.25'$

Perforations per lateral = 12

Distance to first perforation from manifold = $0.5 \times 3.5' - 1.0' = 0.75'$


Perforation diameter = 5/16"

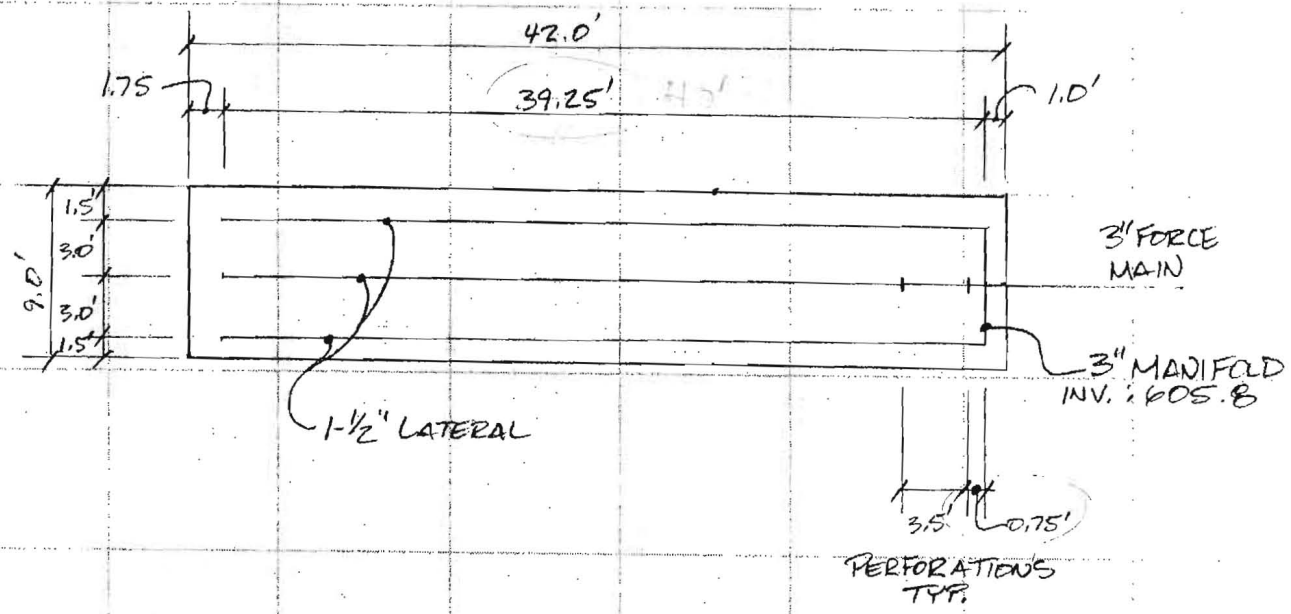
Lateral diameter = 1-1/2"

Spacing between laterals = 3.0'

Number of laterals = 3

Diameter of manifold and force main = 3.0"

Approved Mound Design (5 pages) 10/5/06




Engineers Surveyors Planners
6691 Macbeth Way
Eldersburg, MD 21784
443.985.1892 info@saaland.com

JOB Monticello Drive

CALCULATED BY Paul Sill

DATE April 17, 2006

Pumping System Design

Design flow = 450gpd

Length of force main and manifold = 176' of 3" diameter schedule 40 pipe

176' x 38.4 gallons per 100' = 67.58 gallons

Length of laterals = 117.75' of 1-1/2" diameter schedule 40 pipe

117.75' x 10.6 gallons per 100' = 12.48 gallons

Minimum dose = 130 gallons

5 x 12.48 + 67.58 = 130 gallons

or

1/6 x 450 = 75 gallons

Pump chamber capacity required = Design flow + dose = 580 gallons

Pump flow required = 36 perforations x 1.63 gpm = 58.7 gpm

Static head = 15.17'

Invert into sand mound = 605.8

Pump off elevation = 560.63

Friction head = 1.58'

1 gate valve = 2.0'

4-45 degree standard bends (6.0' each) = 24.0'

Pipe length = 176'

Total equivalent length of pipe = 202.0'

Design head = 15.17' + 1.58' + 2.0' (distal end head) = 18.75'

Pump float elevations:

Pump off float : 591.18

Pump on float : 591.62

High water alarm : 592.12

Pump chamber elevations :

Bottom of tank : 589.43

Pump chamber inlet in : 594.00

Additional storage between high water alarm and pump inlet :

Required : 450 gallons

Provided : 562 gallons

Designs based on a 1250 gallon, top seam tank

Use Zoeller pump model 284 or equivalent, see attached information

TABLE 3.1
EQUATIONS FOR CALCULATING SAND MOUND DIMENSIONS

Absorption bed ft.² (A x B) = $\frac{450690 \text{ Design flow}}{1.2 \text{ gpd/ft.}^2} = \frac{450}{375} \text{ ft.}^2$

Bed length (B) = 42 ft. (42 ft. to 104 ft. dependent on site)

Bed width (A) = $\frac{\text{Bed area } 375 \text{ ft.}^2}{\text{Bed length } 42 \text{ ft.}} = \underline{9.0} \text{ ft.}$ (12 ft. or less)

Upslope sand fill depth (D) = 48 in. - Z in. = $\frac{48''}{48''} \text{ USE MIN. } 12'' \text{ in.}$ (12 in. min.)

Downslope sand fill depth (E) = [12A x % slope] + D in. = $\frac{(12)(9.0)(0.055) + 12}{17.9} \text{ in.}$

Cap + topsoil at bed center (H) = 18 in.

Cap + topsoil at bed edge (G) = 12 in.

Total bed depth (F) = 10 in.

Sideslope setback (K) = $\frac{12'' \text{ } 17.9''}{(D + E) + 28 \text{ in.}} \times 3 = \frac{128.9}{2} \text{ in.}$ 10.75'

Upslope setback (J) = (22 in. + D) x 3 x upslope corr. factor = $\frac{12''}{0.86} \text{ } 87.7 \text{ in.}$ 7.3'

Downslope setback (I) = (22 in. + E) x 3 x downslope corr. factor = $\frac{17.9''}{1.22} \text{ } 146.0 \text{ in.}$ 12.2'

Total width of mound (W) = 12A + J + I = $\frac{(12)(9.0) + 87.7 + 146.0}{341.7} \text{ in.}$ 28.5'

Total length of mound (L) = 12B + K + K = $\frac{(12)(42) + 128.9 + 128.9}{761.8} \text{ in.}$ 63.5'

AVERAGE SLOPE 5.5%



Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347
 SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961
 (502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

visit our web site:
www.zoeller.com

COMPARE THESE FEATURES

- Non-clogging vortex impeller.
- Durable cast construction. Cast iron switch case, motor and pump housing, base and impeller. No sheet metal parts to rust or corrode. All cast iron class 25-30 25000# tensile strength.
- Stainless steel screws, bolts, float rod, handle, guard and arm and seal assembly.
- Shaft Seal - Carbon & ceramic rotary face seal, with stainless steel wetted parts.
- UL Listed 3-wire neoprene cord and plug. 10 ft. standard for automatic. 15 ft. standard for nonautomatic.
- Upper sleeve bearing and lower ball bearing running in a bath of oil.
- Maximum temperature for sewage or dewatering 130°F (54°C).
- Motor - 60 Hz, 1750 RPM, oil-filled, hermetically sealed, automatic reset thermal overload protected (1 Ph and Auto 3 Ph).
- All models are available in 2" or 3" discharge.
- All models pass 2 inch spherical solids.
- Automatic units available with float operated, submersible (NEMA 6) mechanical switch. Available in both 1 and 3 Phase Units.**
- Corrosion resistant powder coated epoxy finish.
- On point 15 1/4", Off point 5 1/4".
- Major width 13 9/16". Major height 18 13/16". (Single seal pumps)

MODELS 4282-4284

DOUBLE SEAL PUMPS (nonauto only)

- Protects motor from seal leaks.
- Improved bearing lubrication.
- Helps eliminate seal and bearing damage from dry runs.
- Major width 13 9/16". Height 20 11/16".

NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.


Tested to UL Standard UL 778

282 - 284 Single Seal Series

4282 - 4284 Double Seal Series



(For Pump Prefix Identification see News & Views 0052)

"WASTE-MATE"

SUBMERSIBLE

SEWAGE

OR DEWATERING PUMP

2" OR 3" FLANGED DISCHARGE • PASSES 2" SOLIDS

AUTOMATIC THREE PHASE PUMP**



NEW!

SINGLE SEAL PUMP



DOUBLE SEAL PUMP





POWDER COATED TOUGH™

MODELS AVAILABLE

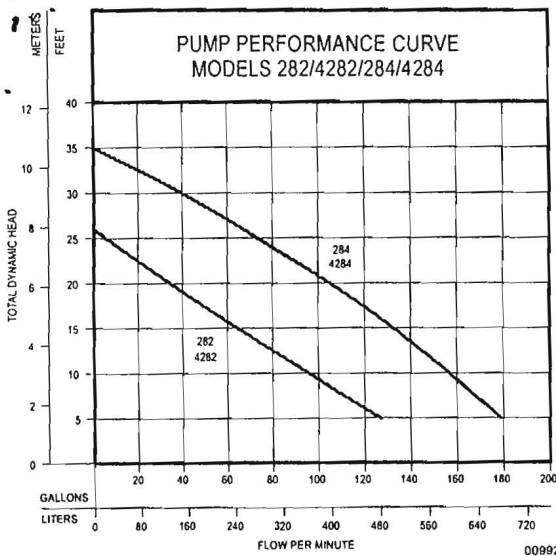
- Automatic or Nonautomatic with single seal
- Nonautomatic with double seals
- 2" or 3" discharge.

- Single phase or three phase motors available.
- See selection chart for specifications or specific models.

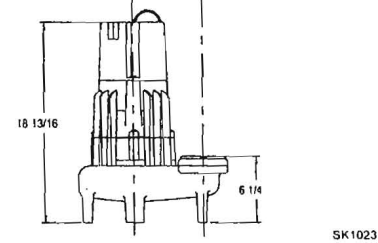
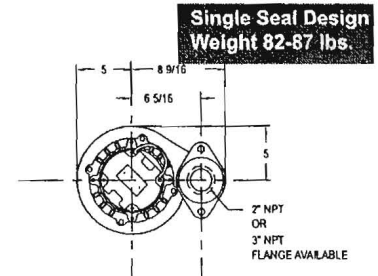
*NOTE: No UL Listing or CSA Certification for 200-208V 1Ph or Extra Duty (ED) pumps or Double Seal Series. See back page for UL & CSA Listings.

**THREE PHASE AUTOMATIC UNITS AVAILABLE IN 230V SINGLE SEAL ONLY.

5



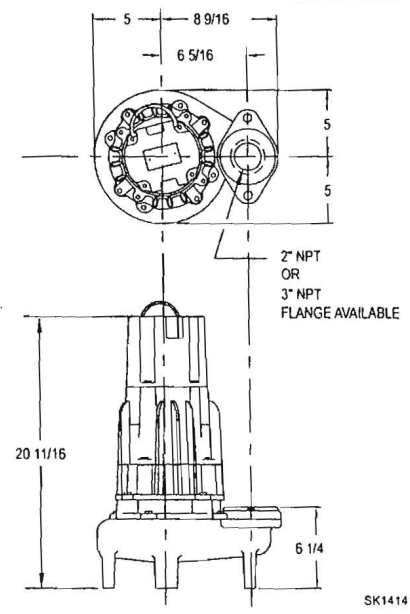
MODELS		282/4282		284/4284	
Feet	Meters	Gal.	Liters	Gal.	Liters
5	1.5	127	481	179	678
10	3.0	96	363	157	594
15	4.6	64	242	133	503
20	6.1	34	129	106	401
25	7.6	6	23	73	276
30	9.1	--	--	42	159
Shut-off Head		26 ft. (7.9m)		35 ft. (10.7m)	



CONSULT FACTORY FOR SPECIAL APPLICATIONS

- Three phase pumps are available in 200/208V, 230V, or 460V, automatic and nonautomatic**.
- Electrical alternators, for duplex systems, are available and supplied with an alarm.
- Mechanical alternators, for duplex systems, are available with or without alarm switches.
- Combination starters are available
- Variable level control switches are available for controlling single and three phase systems.
- Double piggyback variable level float switches are available for variable level long cycle controls.
- Long cords are available in lengths or 25 - 35 - 50 feet.
- Simplex and duplex basins are available.
- Refer to FM1922 and FM0806 for temperatures over 130°F.

Double Seal Design Weight 89-92 lbs.



SELECTION GUIDE

1. Integral float operated mechanical switch, no external control required.
2. For automatic use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
3. See FM1228 for correct model of simplex control panel.
4. See FM0712 for correct model of duplex control panel.

SPECIFICATIONS							CONTROL SELECTION			Listings	
Single Seal Model	Double Seal Model	Volt-Phase	Mode	Amps	HP	Cord Lgth.	Simplex	Duplex	CSA	UL	
M282	-----	115 1Ph	Automatic	10.3	1/2	10	1	-----	Y	Y	
N282	N4282	115 1Ph	Nonauto	10.3	1/2	15	2 or 3	4	Y	Y	
D282	-----	230 1Ph	Automatic	5.0	1/2	10	1	-----	Y	Y	
E282	E4282	230 1Ph	Nonauto	5.0	1/2	15	2 or 3	4	Y ⁽¹⁾	Y	
* H282	-----	200-208 1Ph	Automatic	6.1	1/2	10	1	-----	N	N	
* I282	*I4282	200-208 1Ph	Nonauto	6.1	1/2	15	3	4	N	N	
* J282	*J4282	200-208 3Ph	Nonauto	3.6	1/2	15	3	4	Y	Y	
* F282	*F4282	230 3Ph	Nonauto	3.0	1/2	15	3	4	Y	Y	
* CF282	-----	230 3Ph	Automatic	3.0	1/2	15	1	-----	N	Y	
* G282	*G4282	460 3Ph	Nonauto	1.7	1/2	15	3	4	Y	Y	
D284	-----	230 1Ph	Automatic	8.9	1	10	1	-----	Y	Y	
E284	E4284	230 1Ph	Nonauto	8.9	1	15	2 or 3	4	Y ⁽¹⁾	Y	
* H284	-----	200/208 1Ph	Automatic	9.3	1	10	1	-----	N	N	
* I284	*I4284	200/208 1Ph	Nonauto	9.3	1	15	3	4	N	N	
* J284	*J4284	200/208 3Ph	Nonauto	5.5	1	15	3	4	N	Y	
* F284	*F4284	230 3Ph	Nonauto	5.0	1	15	3	4	Y	Y	
* CF284	-----	230 3Ph	Automatic	5.0	1	15	1	-----	N	Y	
* G284	*G4284	460 3Ph	Nonauto	2.6	1	15	3	4	Y	Y	

* No Molded Plug
⁽¹⁾ CSA Approval without plug.
 ** Three phase automatic available in 230V only.

CAUTION

For information on additional Zoeller products refer to catalog on Piggyback Variable Level Float Switches, FM0477; Electrical Alternator, FM0486; Mechanical Alternator, FM0495; Sump/Sewage Basins, FM0487; Simplex Pump Control, FM1596; Alarm Systems, FM0732; and Disconnect/Rail Systems, FM0787. All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).

RESERVE POWERED DESIGN

For unusual conditions a reserve safety factor is engineered into the design of every Zoeller pump.
 © Copyright 2006 Zoeller Co. All rights reserved.

CERTIFICATE OF ANALYSIS

Requester:
 Mr. Curtis Cumberland
 Cumberland Development
 16391 A.E. Mullinix Road
 Woodbine, Maryland 21797

S/O Number: 61105
Report Date: December 7, 2006



TRACE LABORATORIES
 5 North Park Drive
 Hunt Valley, MD 21030
 Telephone: 410/252-7742
 Telephone: 410/584-9099
 Fax: 410/584-9117
 Email:
 tracelab@connext.net
 www.tracelabs.com

Property Sampled: 14596 Monticello Drive

County: Howard
Subdivision: N/A
Lot #: N/A
Building Permit #: B00159579

Tax Map #: 8
Parcel #: 271

Date/Time Collected: December 6, 2006 at 10:10 am
Date/Time Received: December 6, 2006 at 1:05 pm

Sample Location: Pressure Tank Tap
Sampler ID: 6551DB
Samples Iced: Yes
Residual Cl₂ <0.1 mg/L: Yes

Well Tag Number: HO-95-0221
Well Condition: 2-Piece Cap
 Satisfactory

Water Conditioning/Treatment: NONE

2006 DE 21 PM 4:55
 ANALYST: J. B. BEAM
 FACILITY: 101

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	5.0 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	<1.0 NTU	EPA 180.1	10 NTU	Pass
pH	5.1 Units	EPA 150.1	*6.5-8.5 Units	***
Sand	Negative		Negative	
Total Coliform	Absent	SM 9223B	Absent	Pass
E.coli	Absent	SM 9223B	Absent	Pass

Heather R. Beam
 Manager-Drinking Water Testing

MCL=Maximum Contamination Level
 *SMCL=Secondary Maximum Contamination Level
 ***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.