

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

05-407583

P 42129

A 34980

DISTRICT 5th

DATE 7/12/88

DATE SYSTEM APPROVED 7-29-88

INSPECTOR S. Abel

Paul Schissler/South Carroll Backhoe, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 4410 Salembottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Waterford ROAD 12925 Wexford Park LOT 18

PROPERTY OWNER Daniel Chan

ADDRESS

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 200 sq. ft. per bedroom. Trench to be 3.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the first trench 130 feet down the right (250') lot line and 65 feet off the same lot line as seen when facing the lot from the court. Run trenches on contour toward the rear lot line. NOTE: PIPE FROM HOUSE TO SEPTIC TANK TO BE PLACED ON GRAVEL BED. CLEANOUT AT HOUSE RECOMMENDED.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK/aw

7/29/88 PIPS AT 62" LINE 42' 62" below grade; PT + Relief Valve INST.
NO PUMP INSTALLATION SPEN.

PLANS APPROVED BY Sid Abel DATE 12/13/85

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.

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 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET, MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

BLDG. PERMIT SIGNED
AND RETURNED 3/4/91

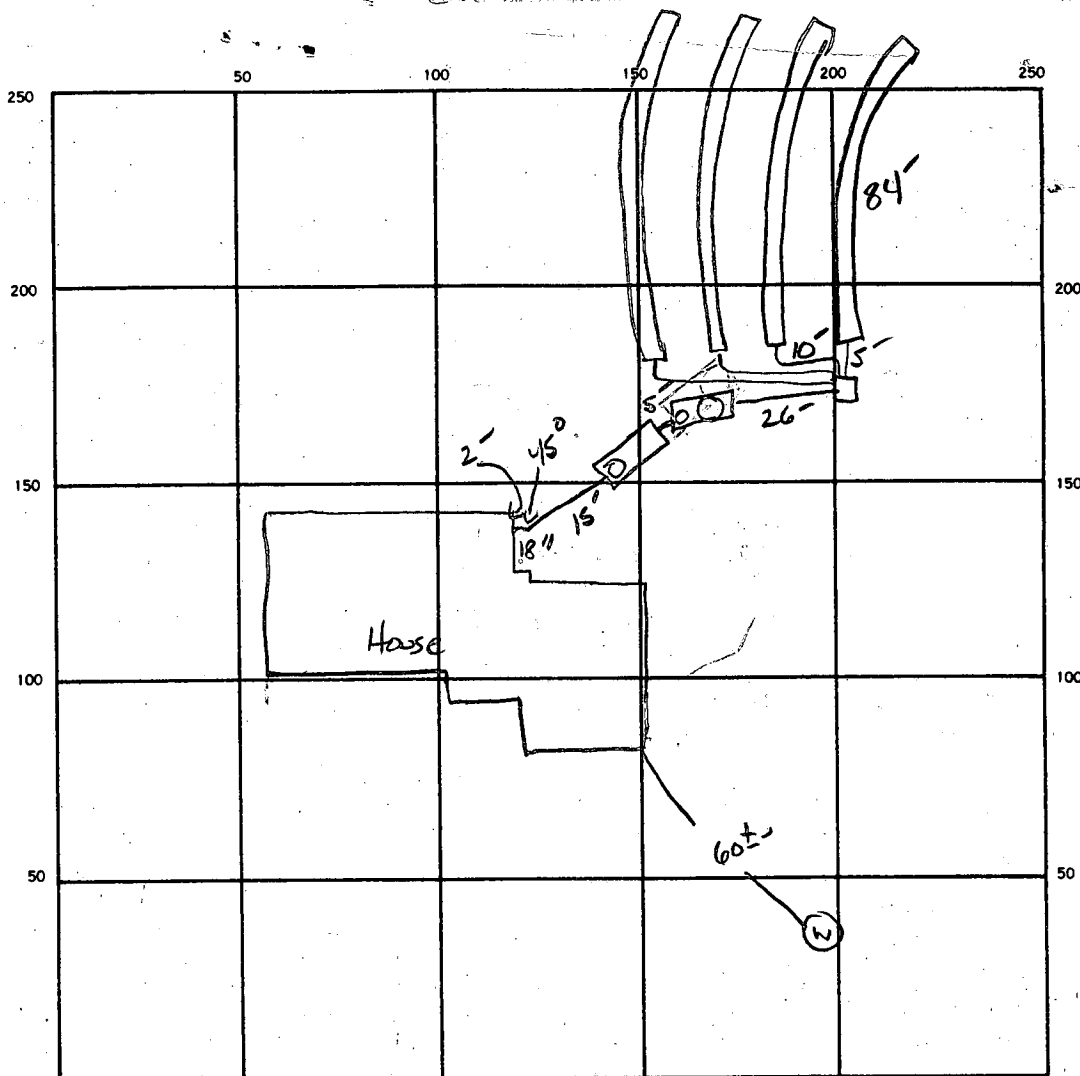
Sid Abel

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 34980



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

WEXFORD PARK COURT

SEPTIC TANK, LEVEL ✓ 1000 GAL Pump Pit
✓ 1500 GAL CLEANOUTS ✓ ST MANHOLE RINGS Pump Pit
 AND AIR PRESSURE RELIEF
 PORT @ OFF PUMP PIT

DISTRIBUTION BOX, LEVEL ✓

DRAIN FIELD/TILE FIELD, DEPTH 5.0 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 18" TOTAL LENGTH ① 84 ② 84 ③ 84 ④ 84 FT 84 TLF 336

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 1008 SQ. FT.

DRYWELL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA 1008 SQ. FT.

REMARKS 7-26-88 OK TO COVER #1 & 2 TRENCH + TANKS; Sahl

DATE SYSTEM APPROVED 7-29-88 INSPECTOR S. Abel

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 34980

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th ELECTION

DATE 2.14.85

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 HUNTINGTON INTERNATIONAL CORPORATION DANIEL CHAN

ADDRESS 4951 ROCKWOOD PARKWAY NW, WASH, D.C. 20016 PHONE (202) 659-2474

PROPERTY LOCATION: WATERFORD Section 2 Prelim
SUBDIVISION HUNTINGTON ESTATES LOT NO. 30 6 LOT 17

ROAD AND DESCRIPTION ON BRIGHTON ROAD 1800' WEST OF TEN OAKS ROAD
INTERSECTION 1295 WATERFORD PARK

SIZE OF LOT 3.11 AC ± TYPE BLDG. SINGLE FAMILY DWELLING
(NUMBER OF BEDROOMS)

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.

Charles J. Conner

(SIGNATURE OF APPLICANT)

APPROVED BY Sickey Abel FOR Shallow hole field DATE 4-1-87

REJECTED BY _____ FOR _____ DATE _____

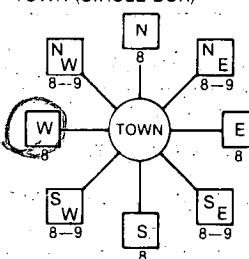
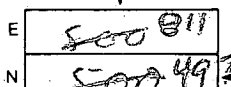
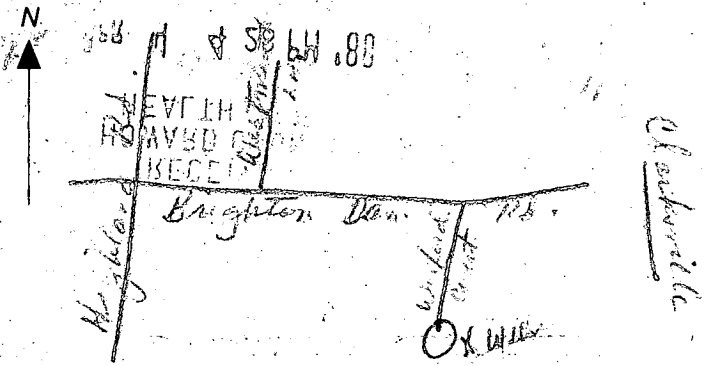
HOLD PENDING FURTHER TESTS _____ DATE _____

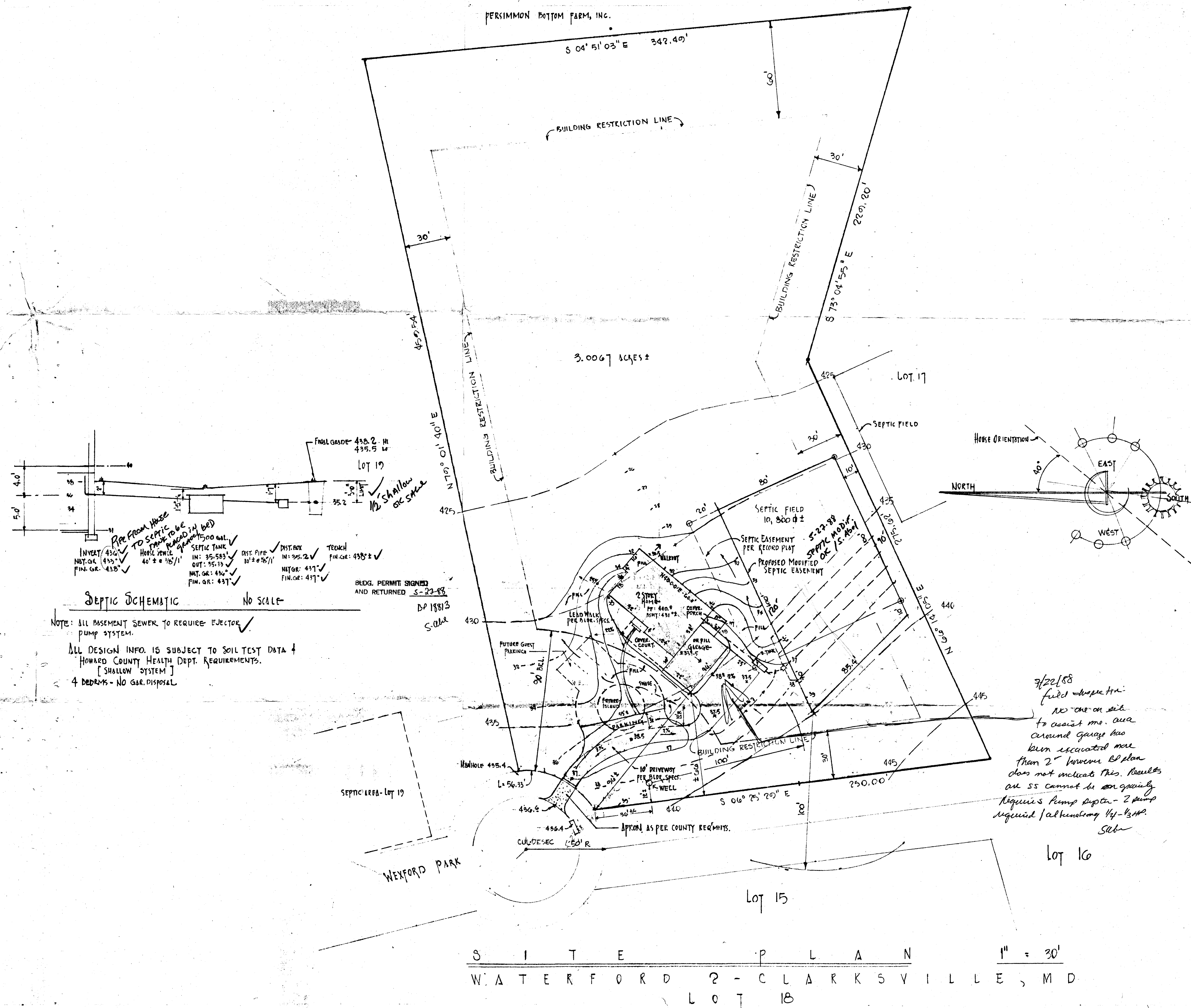
REASONS FOR REJECTION OR HOLDING PERC SATISFACTORY, WATER IN 1/2 hole, hold for review,

certified subdivision PLAT WITH HOLE LOCATION, HOUSE AND WELL SIZE, SAME
SYSTEM FIRST - SHALLOW SYSTEM ONLY. S. Abel 12/13/85

BLDG. PERMIT SIGNED
AND RETURNED 5-27-88 BP 18813 SAB

THIS IS NOT A PERMIT

B 1 3678 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 10-81-2699 fill in this form completely
Date Received (APA) OWNER INFORMATION 15 Last Name: HALLAN Owner: HOMPS 36 Street or RFD: 20X1053 57 Town: COLUMBIA 70 State: 72 MD Zip: 76 21044		LOCATION OF WELL 8 COUNTY: HOWARD 23 SUBDIVISION: WATERFORD SECTION: 27 LOT: 13 52 NEAREST TOWN: CLARKSVILLE MILES FROM TOWN (enter 0 if in town): 2.7 MI	
DRILLER INFORMATION Driller's Name: Joseph J. Mayne 77 License No.: 80 238 Firm Name: Joseph J. Mayne Well Drilling 5512 Ridge Rd. Mt. Airy 21111 Address: Joseph Mayne 3/30/85 Signature: Date:		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD: WEXFORD LT. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  DISTANCE FROM ROAD: 16 FT ENTER FT or MI: FT	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.): 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: Howard COUNTY NO.: A34980 STATE SIGNATURE: DATE ISSUED: 050288 CO SIGNATURE: EXP. DATE: 11/2/88 NORTH GRID: 497000 EAST GRID: 0811000	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER: 1. Well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE: 	
APPROXIMATE DEPTH OF WELL: 200 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:		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) ☒ N THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED ☐ S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ D THIS WELL WILL DEEPM 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.: 10-81-2699	
SPECIAL CONDITIONS			



C1 7780 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER A 34980

DATE Received,

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 13

15 20

22 26
(TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37

OWNER ALLAN HOMES INC.
STREET OR RFD' last name WEXFORD CT first name TOWN CUMMERSVILLE
SUBDIVISION WATERBURY TR SECTION LOT 18

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed) FEET
FROM TO Check
if water
bearingSAND 0 46
GRAY MICA 46 365
ROCK

GROUTING RECORD

WELL HAS BEEN GROUTED

(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 10 NO. OF POUNDS 940

GALLONS OF WATER 66

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 44 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST CO
STEEL CONCRETE
PL OT
PLASTIC OTHERMAIN Nominal diameter Total depth
CASING top (main) casing of main casing
TYPE (nearest inch) (nearest foot)

ST 4 52

OTHER CASING (if used)

diameter depth (feet)
inch from toscreen type
or open hole

SCREEN RECORD

insert
appropriate
code
belowST BR HO
STEEL BRASS OPEN
PL BRONZE HOLE
PLASTIC OTHER

C 2

DEPTH (nearest ft.)

1 H O 50 365
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51CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION
WELLI HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN
ACCORDANCE WITH COMAR 10.17.13 "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 68OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min. 32
to nearest gal.)METHOD USED TO
MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 13

WHEN PUMPING 198

TYPE OF PUMP USED (for test)

A air P piston T turbine
C centrifugal R rotary O other
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:

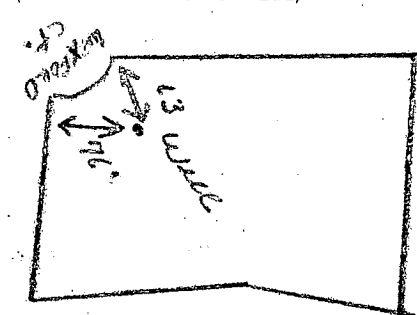
CAPACITY:
GALLONS PER MINUTE 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box
and enter casing height)+ above } LAND SURFACE (nearest
- below } 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)

10/20/88

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

10/20 W.P.I.
Partial
all work
covered
C.B.D.
(House locked)

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒
Replacement ☐

Receipt # 42678
Date 10/13/88

Name of Installer CLARKE P & H INC

Telephone 489-4029

License Number 3808

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber 3808

Name of Property Owner ALLAN HOMES INC

Telephone 730-5050

Subdivision _____ Lot # 18

Well Tag # NO - 81 - 2699

Site Address 12925 Wexford PARK

Pump

1. Type

- a. Deep well jet _____
b. Shallow well jet _____
c. Submersible ☒

2. Make Bouldo

3. Model # _____

4. Capacity _____ GPM

5. Pump exceeds well capacity Yes _____ No ☒

6. If Yes, is low pressure cutoff switch installed? Yes _____ No _____

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors _____ Cable guards ☒ Other _____

Motor

1. Horsepower 3/4

2. RPM _____

3. Voltage _____

a. 110 _____

b. 220 ☒

Pitless Adapter

1. Make _____

2. Model # _____

3. Depth _____

Tank

1. Capacity V-100-66541

2. Pressure relief valve? 75 lb

Piping

1. Type Plastic

2. Size 1"

3. NSF and/or BOCA

Code approved _____

4. Depth of supply

line 42"

Well data

1. Depth 300 ft.

2. Yield _____ GPM

3. Static water

level _____ ft.

4. Will water supply

be disinfected by

installer? NO (Builder)

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant: Kenneth C. Clarke

Date: 9-22-88

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

HD-215

10/20
① Workman
② Pump not seen. C.B.D.
③ No work approved.
sidewalks C.B.D.
House locked at rear

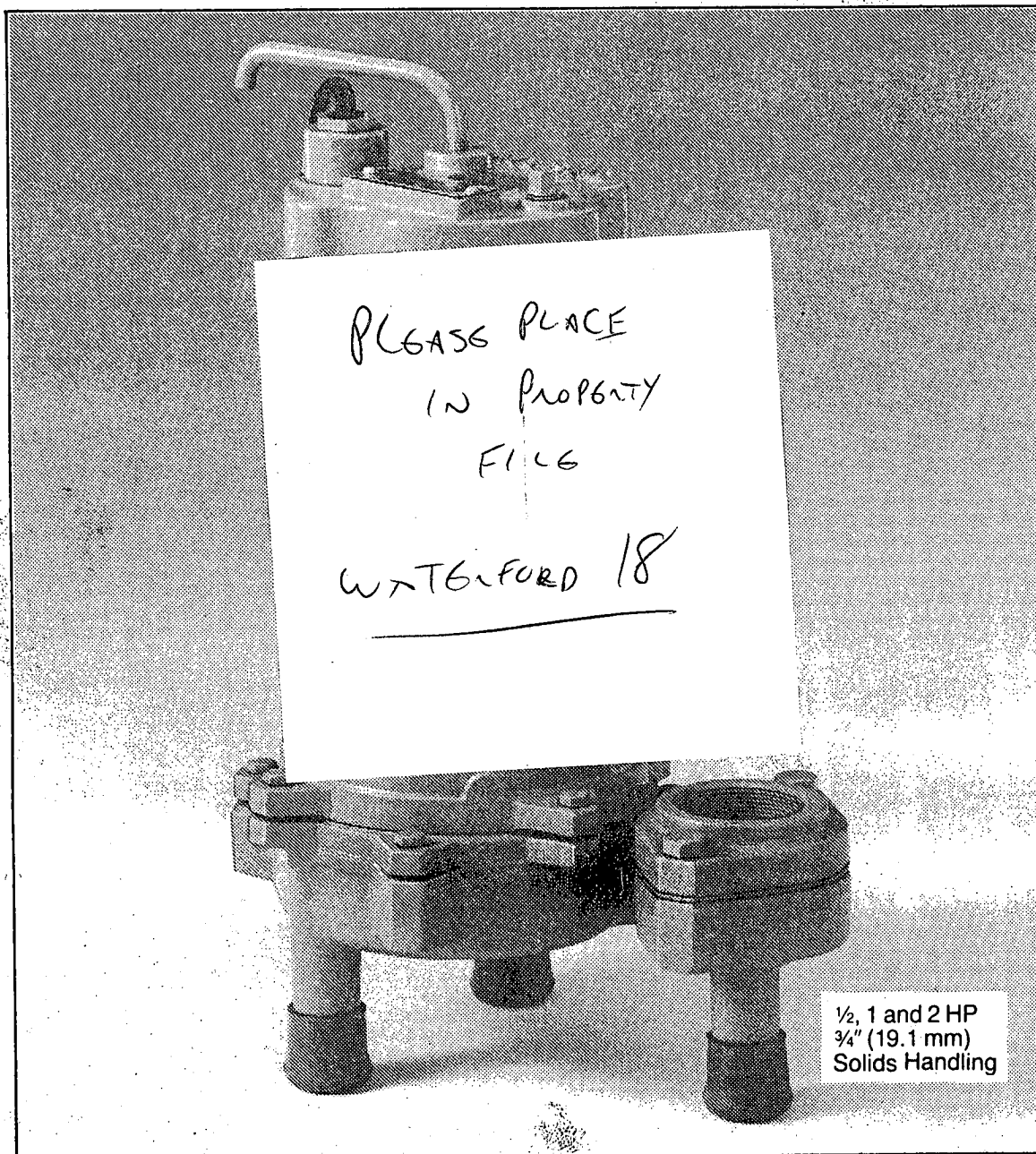
Gray
Waterford
lot 18

MOD WHRE -5-21C

Myers

Tornado Series

WHRE EFFLUENT AND SUMP PUMPS



Features

Myers WHRE series pumps are especially designed for the high heads required to pump effluent in a pressurized system or into a leach field.

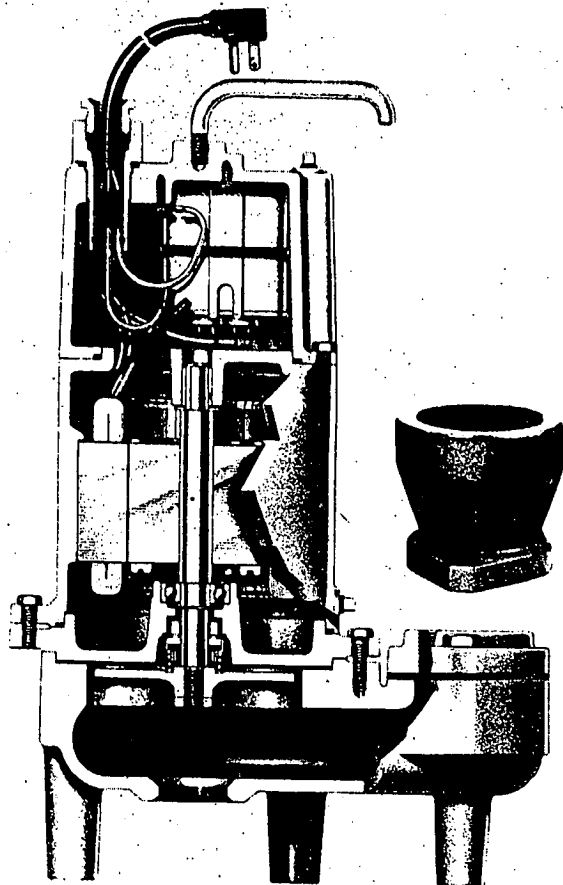
Pump Impeller is recessed "Tornado" type - operates completely out of volute passage giving full opening for flow of liquids and up to $\frac{3}{4}$ " (19.1 mm) dia. solids.

Motors (single and three phase) are oil filled for good insulation and lubrication of bearings and seal. No starting switch or relay mechanism. Overload protection is built in - three phase overload in control box.

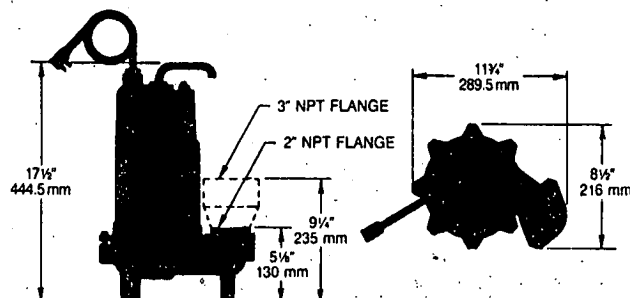
Thrust Washers and Sleeve Bearings are oil lubricated for smooth operation, long pump life. **Rotary Shaft Seal** has carbon and ceramic faces for positive seal. Body is stationary, prevents string or trash from winding on seal. Metal parts are 303 stainless steel.

Volute Case is heavy cast iron, epoxy coated with support legs. Choice of 2" (50.8 mm) or 3" (76.2 mm) discharge flange.

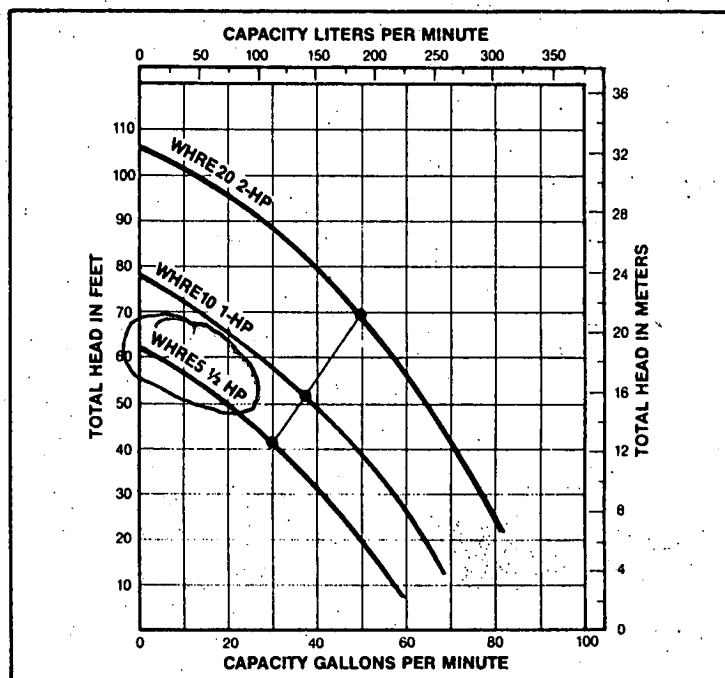
Separate Capacitor Housing (single phase) allows capacitor to be replaced without dismantling motor.



Dimensions

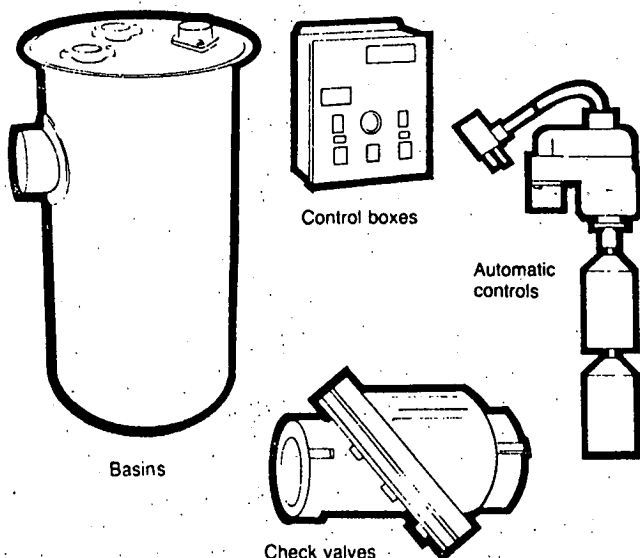


Performance Curve



Accessories

Myers offers a wide selection of accessory items for use with the WHRE Pumps: adjustable level controls, wet sump controls, alarm controls, electrical control boxes and switches, heavy duty check valves, polyethylene and fiberglass basins, etc. Lift out rail system also available for use on effluent pumping installations.



Performance Capabilities

Capacities to	80 GPM	302.8 LPM
Heads to	106 feet	32.3 M
Pump Down Range	Variable with Level Switch	
Solid Handling Capability	$\frac{3}{4}$ inch dia. solids	19.1 mm
Liquids Handled	Sump water or effluent	
Intermittent Liquid Temp.	140°F	46.4°C
Motor	$\frac{1}{2}$, 1, 2 HP	
Electrical	115, 200, 230 V 1 ϕ ; 200, 230, 460, 575 V 3 ϕ	
Discharge	2 or 3 inch	50.8 or 76.2 mm

Myers®

F.E. Myers Co., Division of McNeil Corporation
Ashland, OH 44805 (419) 289-1144 Telex 98-7443