

Bureau of Environmental Health
 7178 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

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 7/14/14 **ONSITE SEWAGE DISPOSAL SYSTEM** P 554540

INSTALLATION APPROVAL DATE: 9/15/14 **PERMIT** A _____
CONSTRUCTION

PROPERTY ADDRESS: 13022 High Grove Road

SUBDIVISION: Schooley Mill Farm LOT: 7 TAX ID: _____

CONTRACTOR: _____ EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: _____ EMAIL: _____

OWNER ADDRESS: NVR Inc. PHONE: 410-379-5956

9720 Patuxent Woods Drive, Columbia, MD 21046

BAT UNIT MODEL: Hoot 600 BNR BAT UNIT SIZE: 750 GPD

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. 8939 APPLICATION RATE: 1.2

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

| | | |
|-----------|--|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>130 130'</u> | INLET DEPTH: <u>4</u> |
| | TRENCH WIDTH: <u>3'</u> | MAXIMUM BOTTOM DEPTH: <u>8</u> |
| | MINIMUM SPACE BETWEEN TRENCHES: <u>19'</u> | EFFECTIVE AREA BEGINNING DEPTH: <u>6</u> |
| LOCATION: | PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION. | |
| NOTES: | Set BAT unit per plan. Set distribution box several feet inside Northwest corner of SDA. Install 2 X 89' trenches on contour in upper portion of SDA. <u>2 x 65' Trenches</u> | |

ISSUED BY: Robert Bricker ISSUE DATE: 7/14/14 EXPIRATION DATE: 7/14/15

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE

TRENCH/DRAINFIELD DATA

| | | |
|-------------------------|-------|-----------|
| WIDTH | INLET | BOTTOM |
| 3' | 4' | 8' |
| NUMBER OF TRENCHES | | 2 |
| TOTAL LENGTH | | 130 |
| ABSORPTION AREA | | 390' x 3W |
| DISTRIBUTION BOX LEVEL | | Yes |
| DISTRIBUTION BOX BAFFLE | | 90° |
| DISTRIBUTION BOX PORT | | Yes |

SEPTIC TANK DATA

SEPTIC TANK I LEVEL Yes

MANUFACTURER Mayer Bros.

CAPACITY 1930 GAL

SEAM LOC Top

TANK LID DEPTH 1'-2'

BAFFLES Yes

BAFFLE FILTER No

MANHOLE LOC Front + Rear

6" PORT LOC None

WATERTIGHT TEST No

SLOTTED N/A

DATE ON LID Dry

HOOT H-600

RUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

See As-Built Drawing On Separate Sheet

ROAD NAME

PRE-CONSTRUCTION:

7/15/2014 Install tank at staked location. The septic easement is not staked. (BB) 7/17/2014 Did layout for trenches. (BB)

INSTALLATION:

7/17/2014 Tank set. (BB) 7/21/14 Builder explained that homeowner wants to move tank in different location. Told Builder need to submit revised BAT site plan. If same tank to be re-located in field, watertight test may be performed. (KW) 7/23/14 Trenches complete. Need D box, F.M. from tank to D box and BAT start-up (KW) 8/4/14 Tank moved per homeowner. Approx 20' towards property line. S/R installed. 2" F.M. installed to box. Need p/a test of system + BAT start-up (KW)

FINAL INSPECTOR

DATE OF APPROVAL

HO-95-2442





MAYER BROS., INC.
Precast Concrete Products
 6264 Race Rd. Elkridge, MD 21075

Letter of Satisfaction
Hoot System Installation

Address of Property: 13022 High Grove Rd.
Highland, md. 20777

Date of Final Inspection: 9/9/14

Installer: South Carroll Backhoe Service

Hoot Technician/Inspector: mike Sample

I hereby certify that the Hoot system installed at the property listed above has been installed according to proper Hoot installation practices. I have also verified the startup of the system and it is in proper working order.

Sincerely,

H. Mike Sample
 Name of Inspector
 Mayer Bros., Inc.

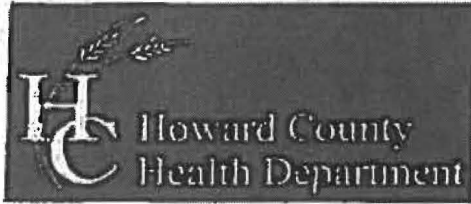
*received 9/15/14
 reb*

PH: 410-796-1434
 FX: 410-796-1438

WBE
NPCA Certified Plant

mayerbro@connext.net
 www.mayerbrosprecast.com

Grease Interceptors, Grease Solutions, Aerobic Treatment Units, Septic Tanks, Holding Tanks, Storm Water Structures, Hydroceptors, Bench Barrier, Water Meter Vaults, Sectional Valve Vaults, Top Slabs, Curb Heads, Curb Bumpers, PermEntry Basement Entries, Scarpwell Window Wells, Custom Precast Products



000152

Bureau of Environmental Health
 7178 Columbia Gateway Drive, Columbia, MD 21046-2147
 Main: 410-313-2840 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
 www.hchealth.org
 Facebook: www.facebook.com/hocohealth
 Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

**OPERATION AND MAINTENANCE AGREEMENT
 FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
 HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 17th day of December, among NVR Inc., hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 13022 Highgrove Road, Highland, Maryland 20777 in the 5th Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 10230 Folio 00678.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as

long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

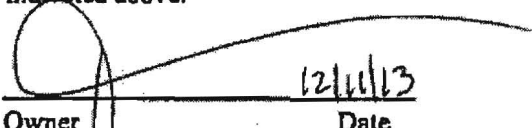
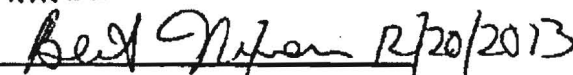
G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

| | | | |
|---|------------|-------|-------|
|  | 12/11/13 | _____ | _____ |
| Owner | Date | Owner | Date |
| Timothy C. Naughton | | | |
| NVR INC. | | | |
|  | 12/20/2013 | | |
| Howard County Health Department | | | |

LR - Agreement 20.00
 Recording Fee
 Grantor/Grantee Name:
 NVR
 Reference/Control #: 153
 LR - Agreement 40.00
 Surcharge
 Subtotal: 00.00
 Total: 180.00
 #2312725-9
 12/20/2013 01:11
 C013-NN
 #2312725 002502 -
 Howard Co
 Columbia/CO05.03.02 -
 Register 02.494

Fogle's Septic Clean Inc.

Fogle's Portable Toilets • Fogle's Well Drilling LLC • Fogle's Excavating, LLC



December 13th , 2012

Howard Co Dept of Environmental Health
7178 Columbia Gateway Dr
Columbia, Md 21046

To Whom it may concern,

On December the 12th 2012 Fogle's Septic Clean Inc, has abandoned 3 septic systems located at Schooley Mill Farm for Goodier Baker Homes and Development.

Future lot #1: 12835 Hall Shop Rd, Highland

Future lot #7: 12883A Hall Shop Rd, Highland

Future lot #11: 12883B Hall Shop Rd, Highland

If you have any questions please call me at the office 410-795-5670.

Sincerely,

A handwritten signature in cursive script that reads "Kurt Cassell".

Kurt Cassell
Fogle's Septic Clean, Inc.

Fogle's Septic Clean Inc.

Fogle's Portable Toilets • Fogle's Well Drilling LLC • Fogle's Excavating, LLC



December 13th , 2012

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Sincerely,

A handwritten signature in cursive script that reads "Kurt Cassell". The signature is written in dark ink and is positioned above the printed name.

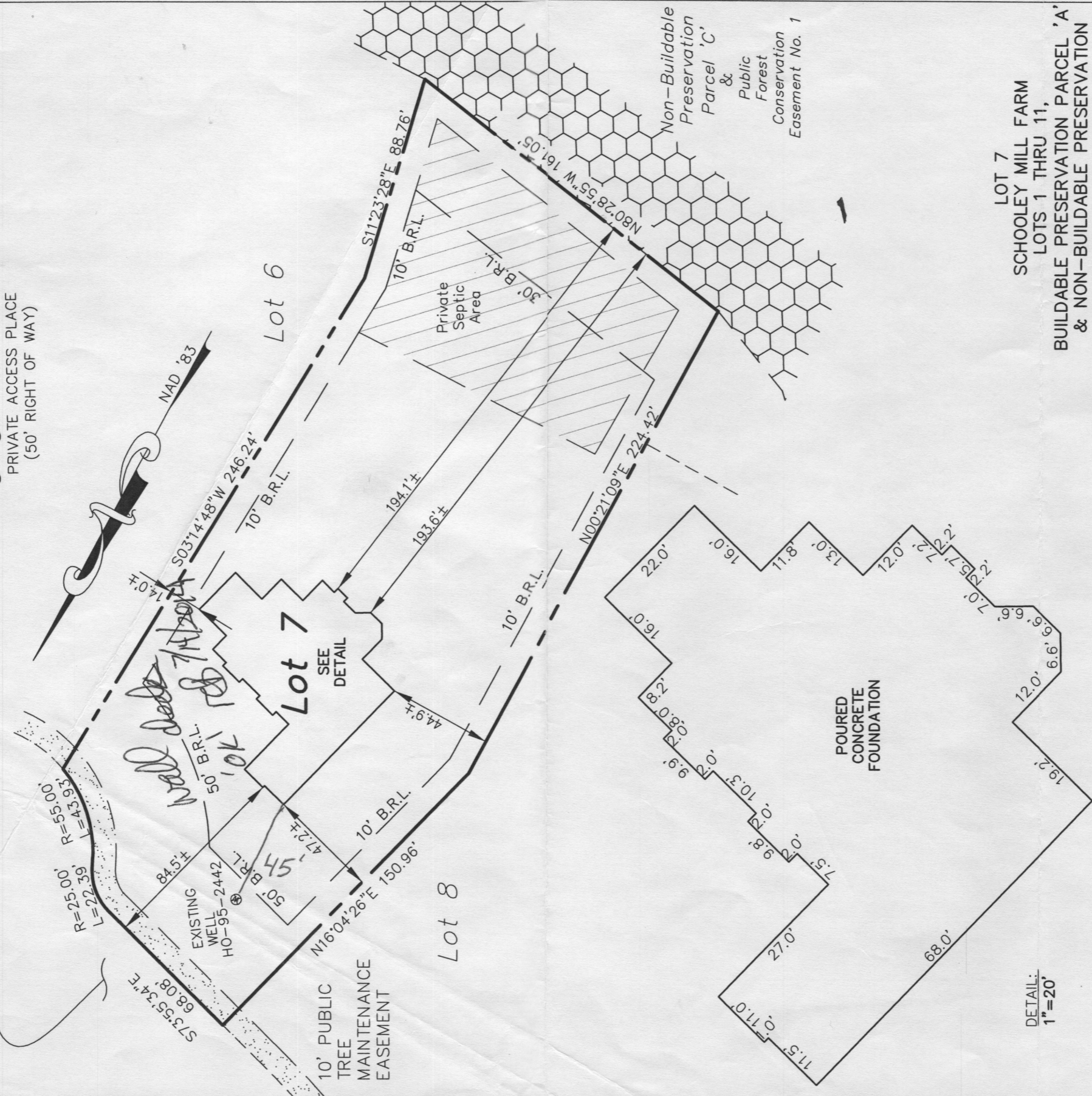
Kurt Cassell
Fogle's Septic Clean, Inc.

GENERAL NOTES:

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INSOFAR AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE X ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24027C0140D EFFECTIVE NOV. 6, 2013.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 1'.
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-2442 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2014.
- 7) BUILDING PERMIT # (B14000054)

Highgrove Road

PRIVATE ACCESS PLACE
(50' RIGHT OF WAY)



DETAIL:
1" = 20'

#13022 HIGHGROVE ROAD
TOP OF FOUNDATION ELEVATION = 507.2'±

LOT 7
SCHOOLEY MILL FARM
LOTS 1 THRU 11,
BUILDABLE PRESERVATION PARCEL 'A'
& NON-BUILDABLE PRESERVATION
PARCELS 'B' THRU 'D'
PLAT NOS. 22506 THRU 22507
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

**HOUSE LOCATION
DRAWING**

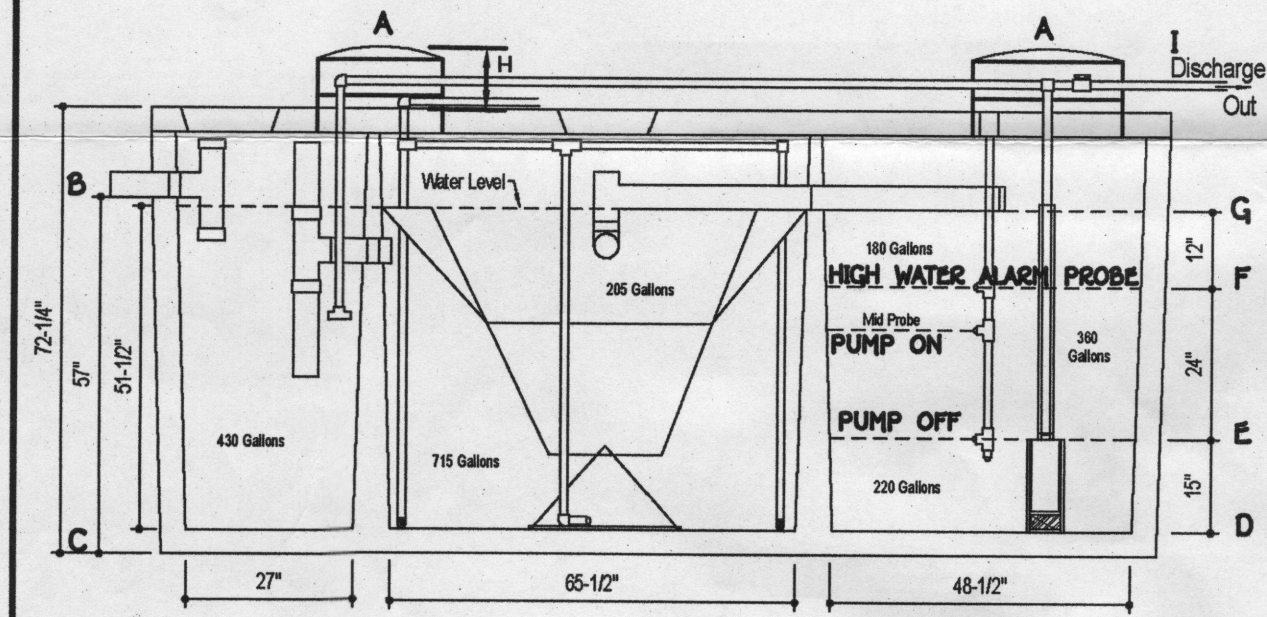
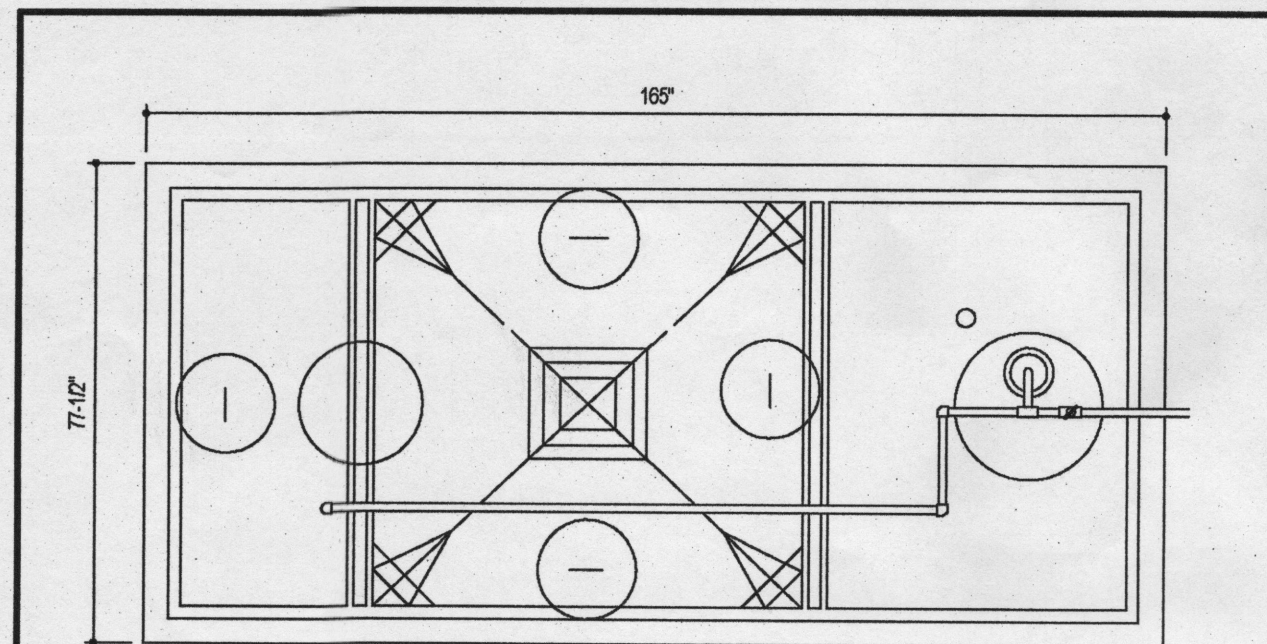
FOUNDATION LOCATION: 6/4/14
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1" = 50'
DATE: 6/12/14
DRAWN BY: JMP
CHECKED BY: MLR
PROJECT No.: 05037-6001



Mark L. Robel
PROPERTY LINE SURVEYOR
REG. #339
DATE: 6/12/14

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855



DESIGN DATA & GENERAL NOTES

- Concrete strength F_c = 4,000 p.s.i. @ 28 days. Density = 150 pcf.
- Rebar - Post-Tensioning Type III per ASTM C 109-92.
- Adhesives & sealants per ASTM C 828 & C 844-02.
- Reinforcing per ASTM A193, Min. 1-1/2" cover.

Mayer Brothers, Inc.
6545 New Road, Ellicott City, Maryland 21037
Tel: 410.786.5434 Fax: 410.786.1489 www.mayerbrosprecast.com

600 GPD BNR SYSTEM H-600 BNR
with 750 GALLON PUMP CHAMBER

Dwg. No. Hoot Form #1 No Scale March 18, 2009

SEPTIC SYSTEM ELEVATIONS

A = 497.00
B = 494.73 (INV. INTO TANK)
C = 489.71
D = 490.04
E = 491.29
F = 493.29
G = 494.29
H = 1.27' (7" MIN.)
I = 496.00 (INV. OUT OF TANK)

FFE = 508.55
BSE = 498.71
INV. OUT OF HOUSE = 495.33
INV. INTO DISTRIBUTION BOX = 489.80
TOP OF TANK = 495.73
DOSE VOLUME = 40 GAL.
TIME PER DOSE = 2 MIN.

NOTE:
THE PROPOSED HOUSE IS TO HAVE 5 BEDROOMS.

- BAT NOTES**
- ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
 - THE MAXIMUM COVER OVER THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET. IF COVER EXCEEDS 3 FEET, THEN A TRAFFIC BEARING TANK IS REQUIRED.
 - THE BLOWER MAY NOT BE LOCATED MORE THAN 100 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.
 - THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.
 - THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.
 - WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.
 - ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
 - AN AGREEMENT AND EASEMENT HAS BEEN COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, LIBER 14780, FOLIO 067.
 - THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.
 - SURFACE RUNOFF SHALL BE DIRECTED AROUND THE BAT TANK.
 - AT HIGH WATER ALARM PROBE, PUMP WILL HAVE CONTINUOUS OPERATION UNTIL LEVEL GOES BELOW BENCHMARK.
 - IF WATER LEVEL RISES ABOVE THE ALARM PROBE, AN AUDIBLE AND VISUAL ALARM WILL SOUND. SEE MANUFACTURER SPECS FOR ADDITIONAL INFORMATION.
 - ALARM TO BE WIRED TO A CIRCUIT SEPARATE FROM THE PUMP CIRCUIT.

SEWAGE DISPOSAL SYSTEM DATA (5 BEDROOMS)

PROP. INVERT AT FOUNDATION WALL: 495.33
1. HOOT 600 BNR (MAX. NO. BDRMS.=5)
EX. GRADE OVER TANK: 490.80
PROP. GRADE OVER TANK: 497.00
INVERT INTO TANK: 494.73 INVERT (DISCHARGE ELEV.) OUT TANK: 496.00

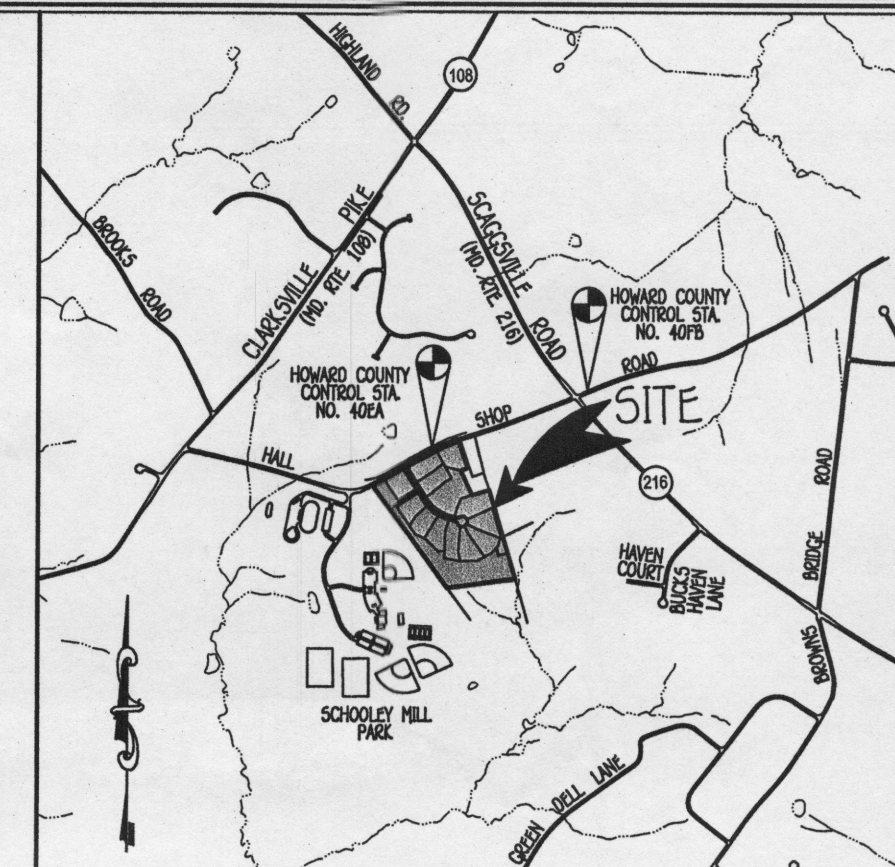
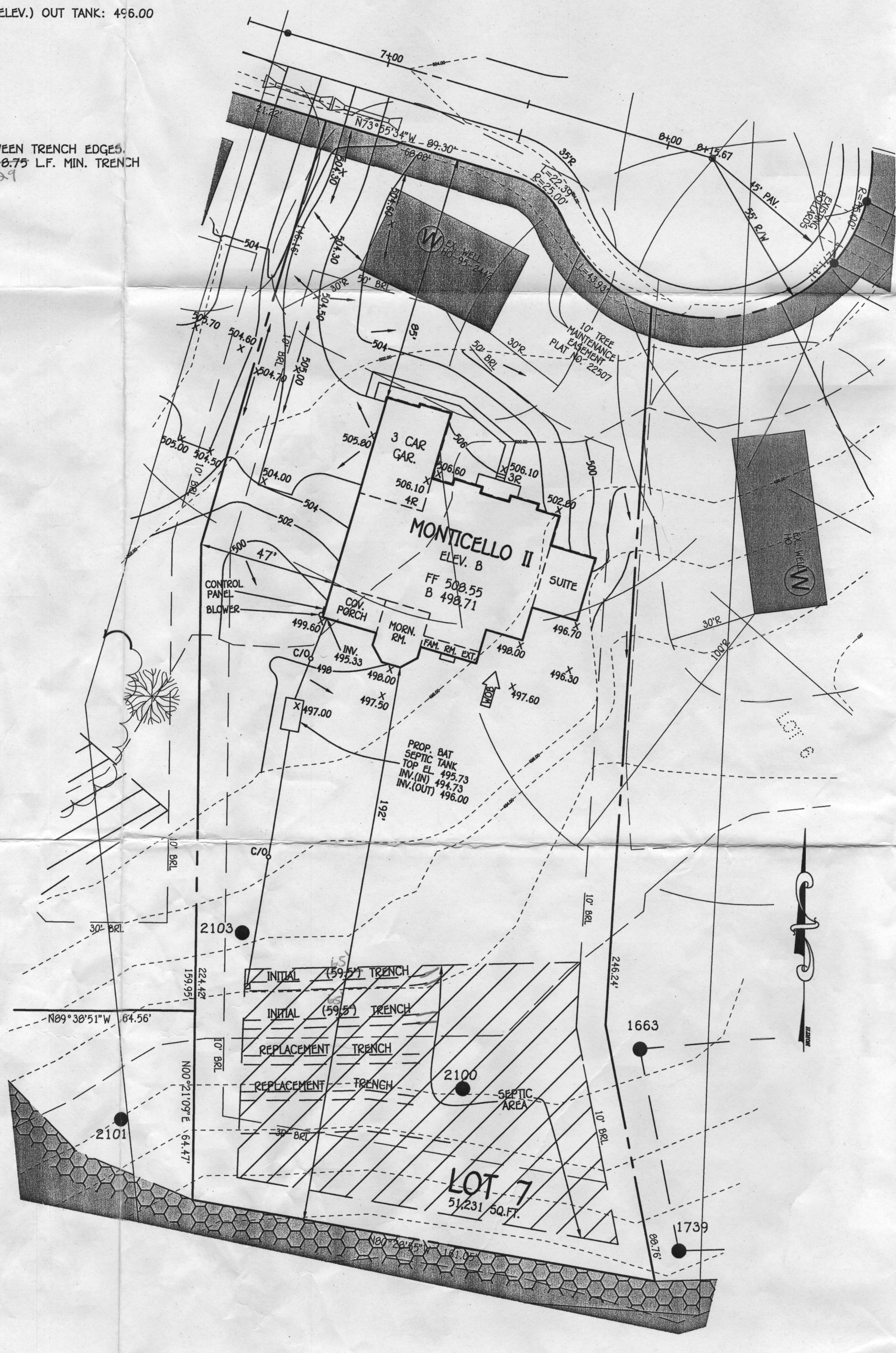
2. DISTRIBUTION BOX:
EX. GRADE: 508.80
PROP. GRADE: 508.80
INVERT IN: 504.80

3. TRENCH DESIGN:
(5 BDRM X 150 GPD/BDRM = 750 GPD)
750 / 1.2 APP. RATE = 625 SF
USE 3' WIDE TRENCH AND 9' MIN. SPACING BETWEEN TRENCH EDGES.
625 SF / 3' WIDTH = 208.33 L.F. X 0.57' = 118.75 L.F. MIN. TRENCH
USE 2- 59.5' LONG TRENCHES = 119 L.F.

TRENCH DATA:

TRENCH 1:
EX. GROUND ABOVE = 492.10
INV. IN = 488.10
BOTTOM TRENCH = 485.10

TRENCH 2:
EX. GROUND ABOVE = 493.70
INV. IN = 486.70
BOTTOM TRENCH = 483.70



BENCH MARKS

T.P. 406A
N. 547,911.391
E. 1,324,510.091
LOC. NEAR INTERSECTION OF HALL SHOP ROAD & ENTRANCE TO SCHOOLEY MILL PARK.

T.P. 40FB
N. 548,470.386
E. 1,325,000.805
LOC. NEAR INTERSECTION OF HALL SHOP ROAD & SCHOOLEY MILL PARK.

VICINITY MAP
SCALE: 1" = 2000'
HO. CO. ADC MAP NO. 5051, GRID C-3 & C-4 & H-3 & H-4

ITT **GOULDS PUMPS Wastewater** **ITT**

APPLICATIONS
Specifically designed for the following uses:
• Effluent systems
• Homes
• Farms
• Heavy duty sump
• Water transfer
• Dewatering

SPECIFICATIONS
• Solids handling capability: 1/4" maximum.
• Capacities: up to 60 GPM.
• Total heads: up to 31 feet.
• Discharge size: 1 1/2" NPT
• Mechanical seal: carbon rotary/ceramic-stationary, DIN-A-11 elastomers.
• Temperature: 104° F (40° C) continuous, 140° F (60° C) intermittent.
• Fasteners: 300 series stainless steel.
• Capable of running dry without damage to components.

Motor:
• EP04 Single phase: 0.4 HP 115 or 230 V, 60 Hz, 1550 RPM, built in overload with automatic reset.
• EP05 Single phase: 0.5 HP 115 V or 230V, 60 Hz, 1550 RPM, built in overload with automatic reset.
• Power cord: 10 foot standard length, 16/3 SJTW with three prong grounding plug. Optional 20 foot length, 16/3 SJTW with three prong grounding plug (standard on EP05).
• Fully submerged in high grade turbine oil for lubrication and efficient heat transfer.

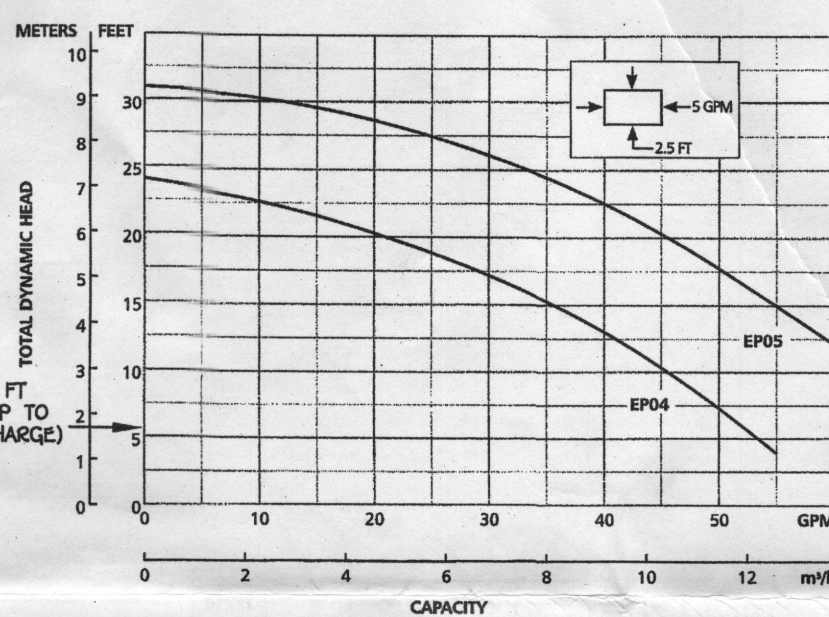
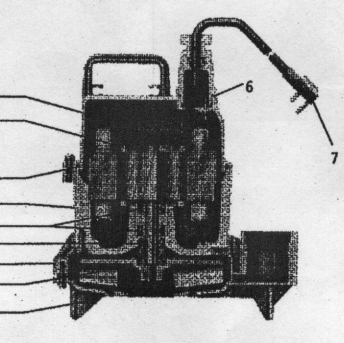
Available for automatic and manual operation. Automatic models include Mechanical Float Switch assembled and preset at the factory.

PERFORMANCE RATINGS

| Total Head (ft. of water) | Gallons Per Minute | EP04 | EP05 |
|---------------------------|--------------------|------|------|
| 5 | 53 | - | - |
| 10 | 46 | 62 | - |
| 15 | 36 | 55 | - |
| 20 | 21 | 46 | - |
| 25 | 0 | 33 | - |
| 30 | - | 11 | - |

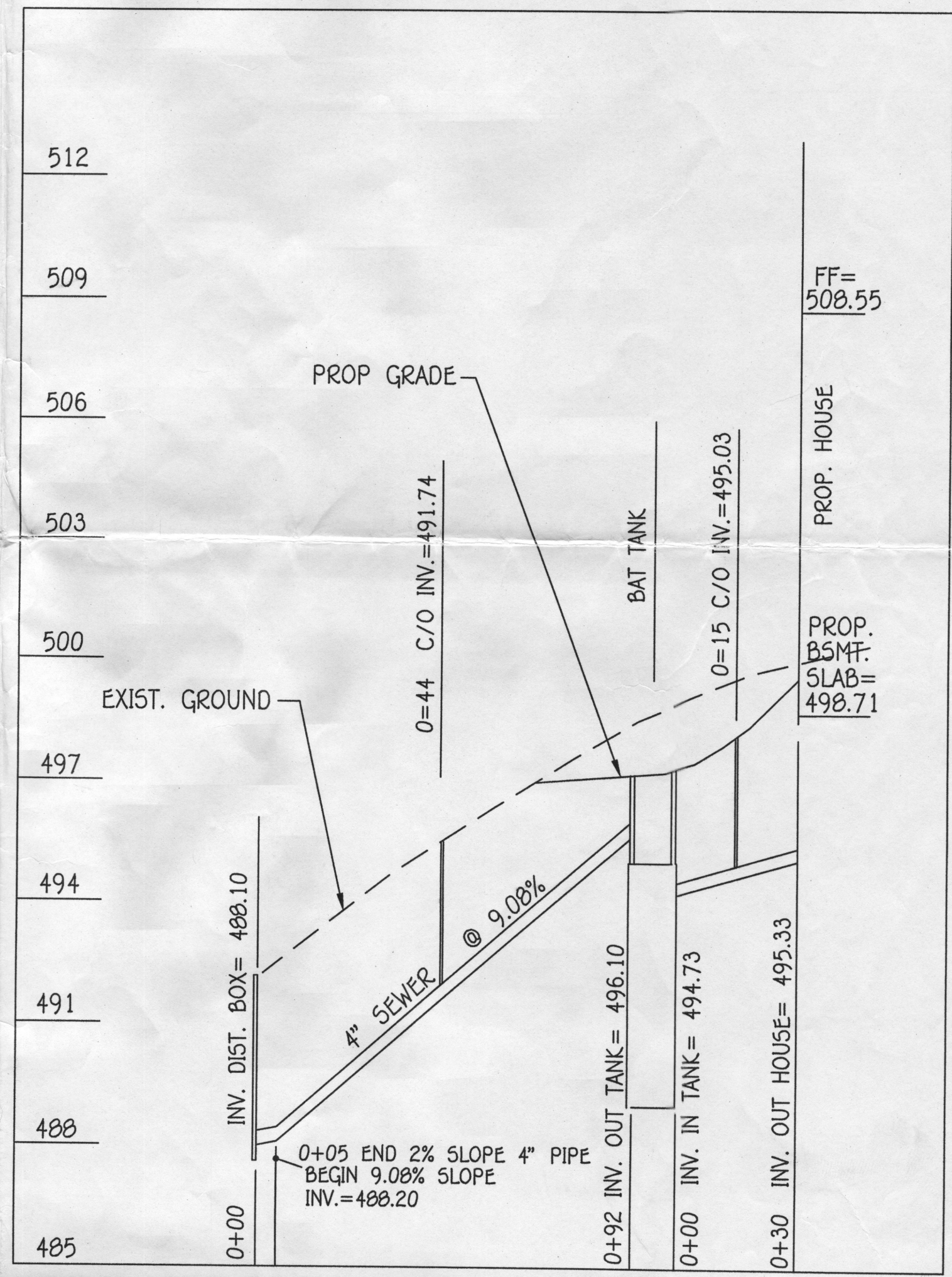
COMPONENTS

| Item No. | Description |
|----------|-------------------------------|
| 1 | Impeller |
| 2 | Base |
| 3 | Pump Casing |
| 4 | Mechanical Seal |
| 5 | Belt Bearings |
| 6 | O-Rings |
| 7 | Power Cord |
| 8 | Oil Filled Motor |
| 9 | Motor Housing Stator Assembly |
| 10 | Motor Cover |

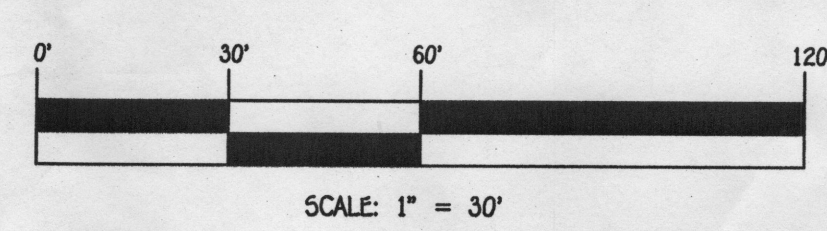


MODEL INFORMATION

| Order No. | HP | Volts | Amps | Minimum Circuit Breaker | Phase | Float Switch Style | Cast Length | Discharge Connection | Minimum On Level | Minimum Off Level | Minimum Basin Diameter | Maximum Solids Size | Shipping Weight (lbs.) |
|-----------|-----|-------|------|-------------------------|-------|------------------------|-------------|----------------------|------------------|-------------------|------------------------|---------------------|------------------------|
| EP0411 | | | | | | Plug / No Switch | 10' | 1 1/2" | Manual | Manual | 15' | | 20/9.1 |
| EP0411A | | | | | | Piggyback / Wide-Angle | 10' | 1 1/2" | Manual | Manual | 15' | | 21/9.5 |
| EP0411F | 115 | 120 | 20 | | | Plug / No Switch | 20' | 1 1/2" | Manual | Manual | 15' | | 20/9.1 |
| EP0411AC | | | | | | Piggyback / Wide-Angle | 20' | 1 1/2" | Manual | Manual | 15' | | 21/9.5 |
| EP0412 | 230 | 6 | 10 | | | Plug / No Switch | 10' | 1 1/2" | Manual | Manual | 15' | | 20/9.1 |
| EP0412F | | | | | | Piggyback / Wide-Angle | 20' | 1 1/2" | Manual | Manual | 15' | | 22/10 |
| EP0511AC | 115 | 13 | 20 | | | Piggyback / Wide-Angle | 20' | 1 1/2" | Manual | Manual | 15' | | 23/10.4 |
| EP0512F | 230 | 6.5 | 10 | | | Plug / No Switch | 20' | 1 1/2" | Manual | Manual | 15' | | 22/10 |



SEPTIC SYSTEM PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



Approved Septic System Plan
Howard County Health Department
Signature: [Signature] Date: 4/24/14

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELICOTT CITY, MARYLAND 21042
(410) 461-8995

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20748, EXPIRATION DATE: 2/22/15.
Aldo M. Vitucci 4/21/14
ALDO M. VITUCCI DATE



WELL CERTIFICATION:
THE EXISTING WELL, TAG NO. HO-95-2442, HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

BUILDER/DEVELOPER
NV HOMES
9720 Patuxent Woods
COLUMBIA, MARYLAND 21046
410-379-9956

SCHOOLEY MILL FARM
SITE PLAN FOR BAT INSTALLATION FOR LOT 7
13022 HIGHGROVE ROAD
Zoned: RR-DEO
Tax Map No. 40; Grid No. 10 & 11; Parcel No. 115 & 149
Fifth Election District - Howard County, Maryland
Date: April, 2014 Scale: As Shown