

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

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

RECEIPT DATE: 3/12/2024 **ONSITE SEWAGE DISPOSAL SYSTEM** P 586610

APPROVAL DATE: 4/28/2025 **PERMIT: REPAIR** A _____

PROPERTY ADDRESS: 16657 Frederick Road

SUBDIVISION: Poplar Springs LOT: P. 59 TAX ID: 04-318358

CONTRACTOR: Tolley Enterprises Inc EMAIL: wtolley@gmail.com

CONTRACTOR ADDRESS: 11920 Lynn Crest Road, Monrovia, MD 21770 PHONE: 301-831-6037

PROPERTY OWNER: Mark Leafy EMAIL: markaleafy@gmail.com

OWNER ADDRESS: 112 S. Cannon Ave, Hagerstown, MD 21740 PHONE: n/a

SEPTIC TANK SIZE: 1500 PUMP SIZE: 1/3hp PUMP TANK CAPACITY: 1250

DISTRIBUTION SYSTEM: GRAVITY LPD BEDROOMS: 4 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>92</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>7</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>9</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4.5</u>
LOCATION:	SYSTEM STAKED BY INSTALLER/DESIGNER AND VERIFIED BY APPROVING AUTHORITY DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install system per approved design plans. Pump spec'd on approved plan is Liberty FL31A or equivalent.	

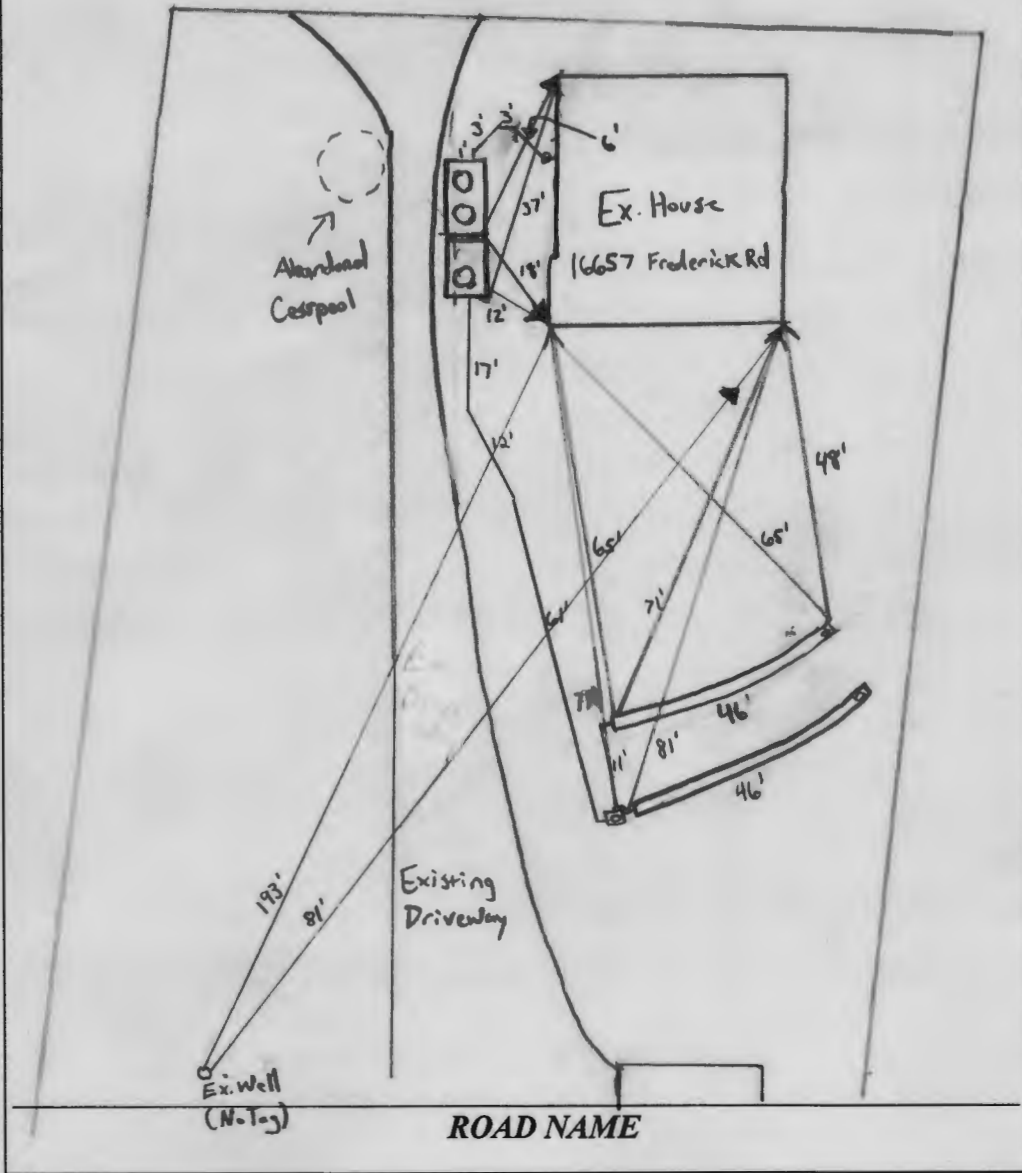
ISSUED BY: Kevin M. Wolf, L.E.H.S. ISSUE DATE: 3/12/2024 EXPIRATION DATE: 3/12/2025

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR REGISTERED WITH THE STATE OF MD ON-SITE WASTEWATER PROFESSIONALS BOARD: CONFIRMED
- 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 DOWNGRADE 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
 ELECTRICAL PERMIT ISSUED E 25001668
- NOTE: THE HCHD DOES NOT WARRANT ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**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.**

4/25/25 Pump is same make and model as planned it is a 6" black float levels per plan. Pump floats trigger Audio + Visual alarm. Separate breakers used for pump and alarm. D-box receiving side per code. (MS)

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2.5'	7'
NUMBER OF TRENCHES		2
TOTAL LENGTH		92
ABSORPTION AREA		276 ft ² + Sidewalk
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	6" Front/4" back
BAFFLE FILTER	-
MANHOLE LOC	Front/Back
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	Yes
DATE ON LID	12-26-24

PUMP/SEPTIC TANK LEVEL	Yes
MANUFACTURER	Babylon
CAPACITY	1250 GAL
SEAM LOC	Top
TANK LID DEPTH	3'
BAFFLES	-
BAFFLE FILTER	-
MANHOLE LOC	Top
6" PORT LOC	-
WATERTIGHT TEST	-
SLOTTED	-
DATE ON LID	11-14-2024

SEPTIC CONTRACTOR ONSITE INSTALLING SYSTEM: Dave Tolley
 SEPTIC CONTRACTOR ONSITE LICENSED WITH THE STATE OF MD: YES/NO

PRE-CONSTRUCTION NOTES:

3/3/25 Contractor on site. Striked locations are per plan. Trenches are on back.
 Cesspool to be pumped, covered, and abandoned. A large 3-hole D-box to be installed that will tie into the plan.
 Contractor to start with trenches and install septic tank/pump tank tomorrow. (MS)

CONTROL PANEL DATA

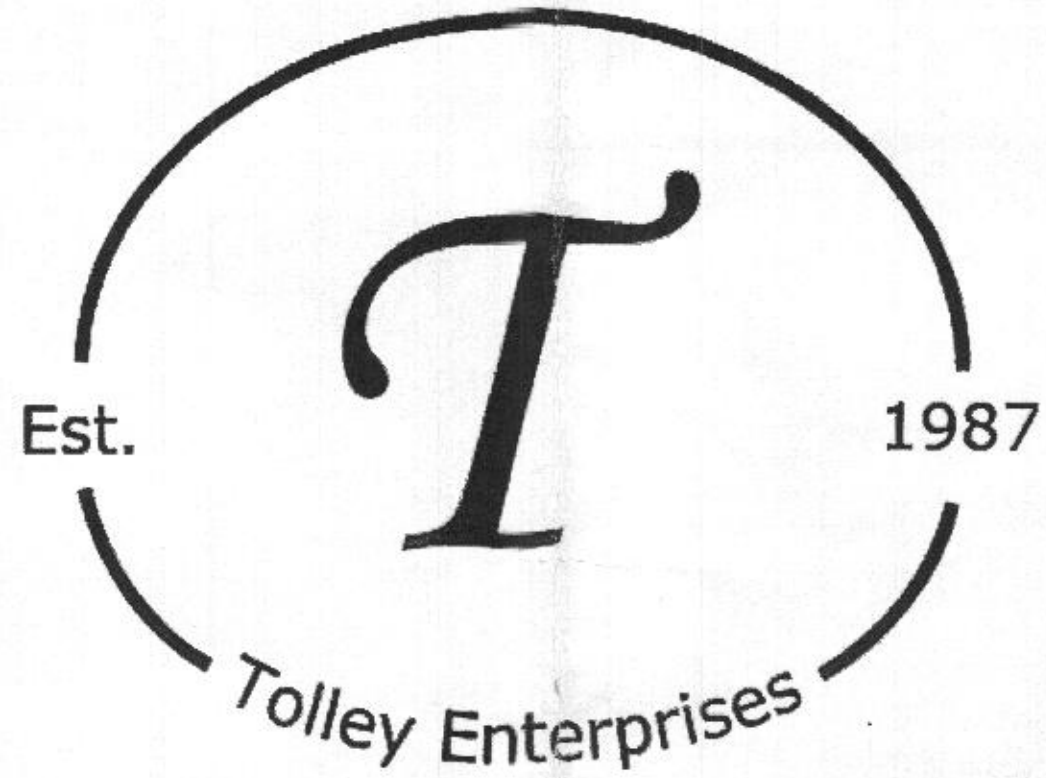
CONTROL PANEL HEIGHT	48"
(MIN 30")	
INSPECTION DATE	4/25/25
INSPECTION: PASS/FAIL (CIRCLE ONE)	

INSTALLATION NOTES:

3/3/25 Contractor started digging Trench 1. 7' bottom stone is good. (MS) 3/3/25 Contractor has trench 1 completed. 2.5' inlet Trench 2 being dug currently. Trench bottom depth is 7'. OK to backfill trench 1. (MS)
 3/4/25 Contractor has pump tank and septic tank installed. They are bedded on 67 stone. Contractor hit some rock while digging hole. Contractor to mark the corners of where the septic tanks is so that homeowner does not install a driveway over top of the tanks; they are not load-bearing. Tanks have been installed where the old driveway is. (MS)
 3/4/25 Contractor pumped, covered, and filled with rock the cesspool. Risers and 4" baffle added to septic tank. (MS)
 3/10/25 Contractor has FA line dug and pipe is connected and bedded. Electric and pump/float line being installed. New driveway is cut in.

FINAL INSPECTOR M. Burns DATE OF APPROVAL 4/28/25

to avoid septic tank, contractor marked the corner of the tanks with a piece of PVC pipe sticking out of the ground vertically. (MS)



Approved Septic System Plan
Howard County Health Department
[Signature]
Signature 4/16/2024
Date

Lot Information
Customer: Mark Lefty
Address: 16657 Frederick Road
Contact Information: Markleifty@gmail.com
Facility Type: Residential
Design Flow: 600 gpd - 4 bedroom
Wastewater Influent: Domestic Strength
System Type: Conventional Deep Trench

Designer
William Tolley
Tolley Enterprises Inc.
11920 Lynn Crest Road Monrovia, MD
301-831-6037
TEI.WTolley@gmail.com

This design has been reviewed and approved by:

HCHD Representative: _____

Signature	Date

Printed	Title

Inspection Requirements

24 hour notice required for pre-construction meeting with HCHD, designer and contractor

24 hour notice required with HCHD prior to beginning construction

Follow all inspection requirements

Inspection Requirements

1. Notify approving authority 24 hours prior to planned construction to schedule pre-construction meeting
2. Tank/trench location staked prior to pre-construction meeting
3. Pre-construction meeting with approving authority, installer and designer.
4. Install Tanks and new inlet/outlet line– Call for inspection
5. Dig first trench – Call for open ditch inspection
6. Place gravel in trench at proper depth and pipe installed per design with filter cloth. – Call for inspection
7. Repeat step 5 and 6 for trench 2.
8. Final – All grading complete, seeded and mulched. Any remaining uninspected items.

Septic tank/pump chamber may be subject to testing for watertightness by HCHD

- Electrical permit

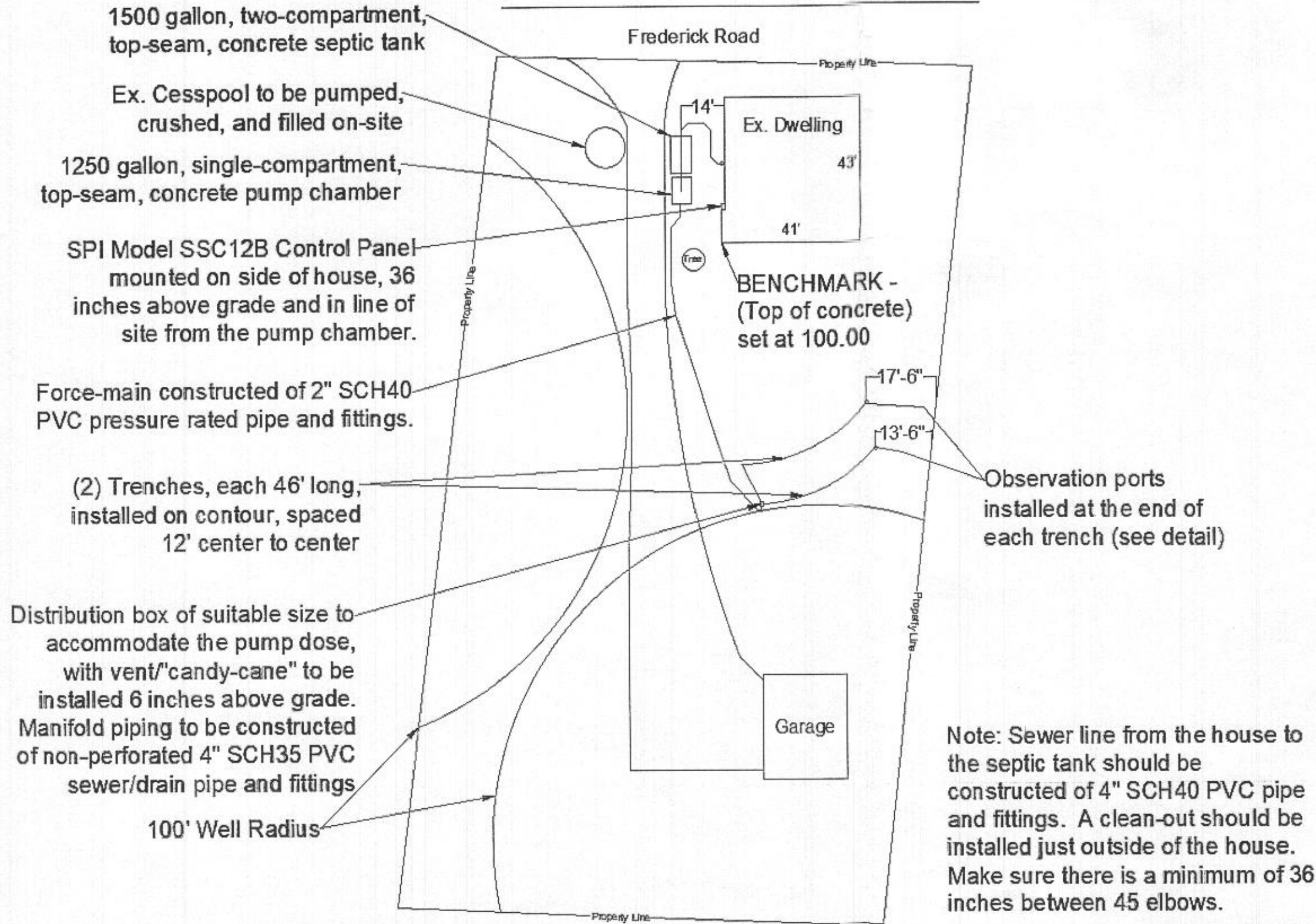
- Labor

tasks - when
continue prep

- Trenches

William

Site Plan



1500 gallon, two-compartment, top-seam, concrete septic tank

Ex. Cesspool to be pumped, crushed, and filled on-site

1250 gallon, single-compartment, top-seam, concrete pump chamber

SPI Model SSC12B Control Panel mounted on side of house, 36 inches above grade and in line of site from the pump chamber.

Force-main constructed of 2" SCH40 PVC pressure rated pipe and fittings.

(2) Trenches, each 46' long, installed on contour, spaced 12' center to center

Distribution box of suitable size to accommodate the pump dose, with vent/"candy-cane" to be installed 6 inches above grade. Manifold piping to be constructed of non-perforated 4" SCH35 PVC sewer/drain pipe and fittings

100' Well Radius

Frederick Road

Ex. Dwelling

43'

41'

BENCHMARK - (Top of concrete) set at 100.00

Garage

Observation ports installed at the end of each trench (see detail)

Note: Sewer line from the house to the septic tank should be constructed of 4" SCH40 PVC pipe and fittings. A clean-out should be installed just outside of the house. Make sure there is a minimum of 36 inches between 45 elbows.

SCALE: 1" = 30'

24 hour notice required for pre-construction meeting with HCHD, designer and contractor

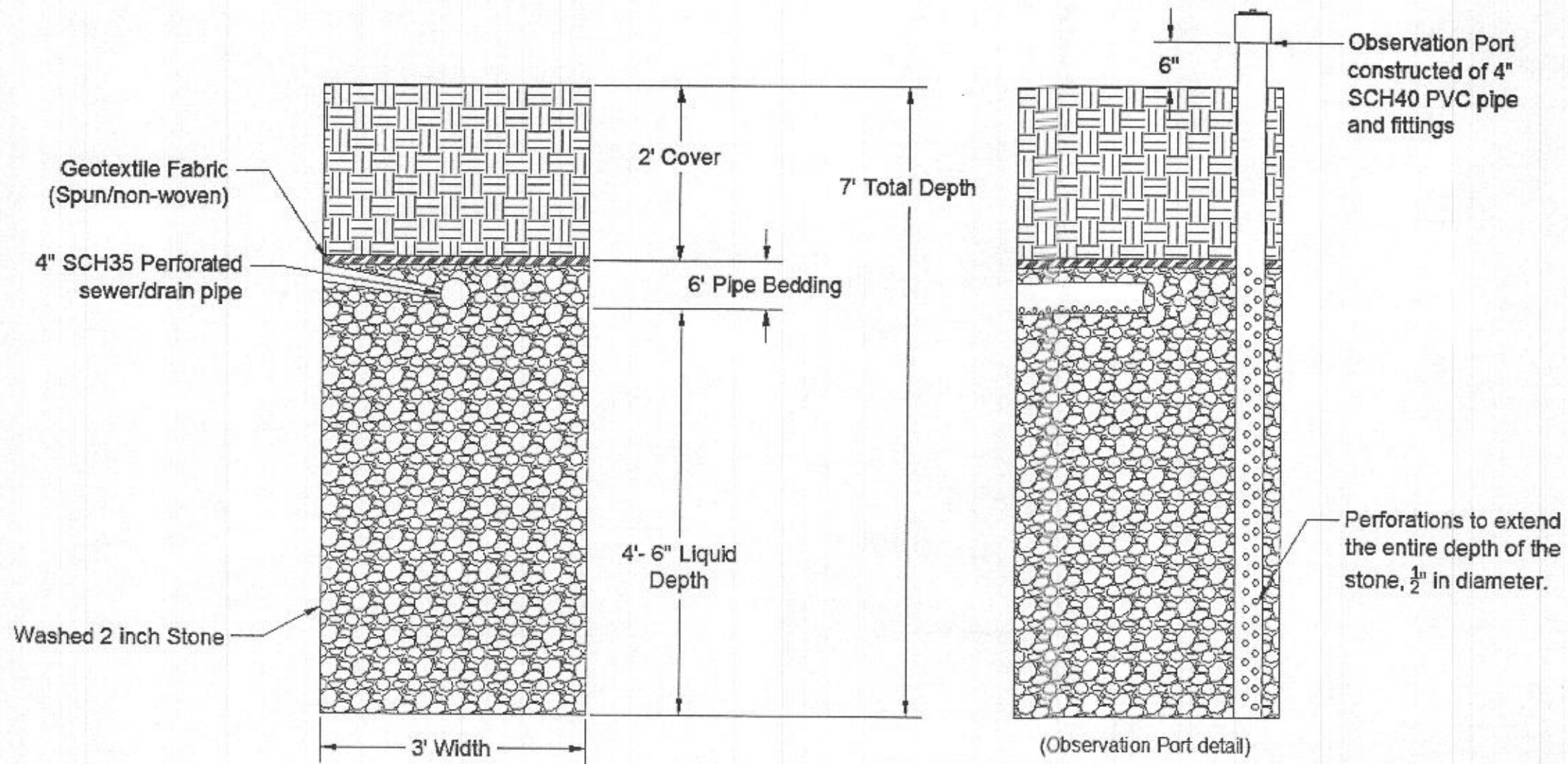
24 hour notice required with HCHD prior to beginning construction

Follow all inspection requirements

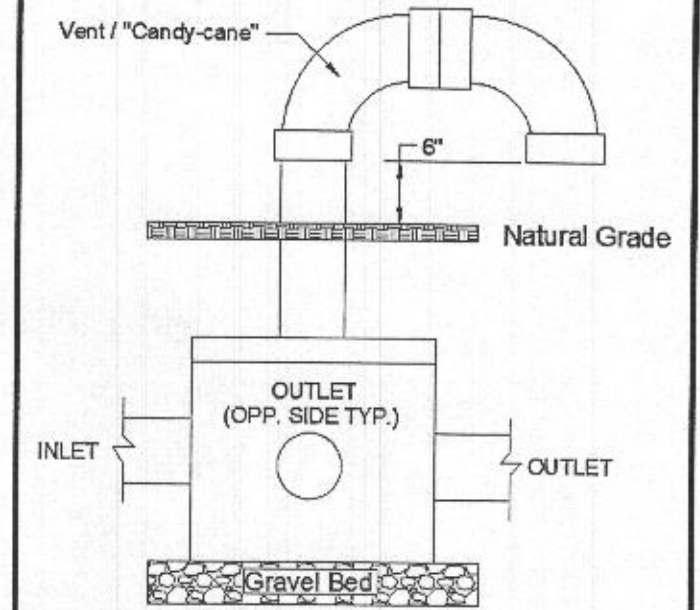
Construction Procedures

- All trenches to be installed on contour and meet all given specifications
- All sewer pipe to be constructed of 4" SCH40 PVC pipe and fittings with proper stone bedding
- All manifold /trench piping to be constructed 4" SCH35 sewer and drain pipe, non-perforated for manifold piping, perforated for trench piping
- All risers/inspection ports to terminate 6" above grade
- Area to be graded to divert water from running across the septic area where possible

Trench Cross Section



Distribution Box Detail



Trench Sizing

Soil Loading Rate = 0.8 gpd/ft²
 Flow = 600 gpd
 Trench Width = 3ft
 Area Needed = (600/0.8) = 750 ft²
 Linear Feet of Trench = 92 ft
 Trench Length Needed = 2 x 46ft
 Trench Provided = 2 x 46ft = 92ft

Inspection Requirements

24 hour notice required for pre-construction meeting with HCHD, designer and contractor

24 hour notice required with HCHD prior to beginning construction

Follow all inspection requirements

Inspection Requirements

1. Notify approving authority 24 hours prior to planned construction to schedule pre-construction meeting
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6. Place gravel in trench at proper depth and pipe installed per design with filter cloth. – Call for inspection
7. Repeat step 5 and 6 for trench 2.
8. Final – All grading complete, seeded and mulched. Any remaining uninspected items.

Septic tank/pump chamber may be subject to testing for watertightness by HCHD

PUB. SEWER STATUS VERIFIED BY _____

04-318358

ISSUE DATE: 1/29/86

APPROVAL DATE: 6/29/86

PERMIT INDEXED

P _____

A 46189-W

ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION: _____ LOT NUMBER: _____

ADDRESS: 16657 Frederick Road PROPERTY OWNER: _____

SEPTIC TANK CAPACITY (GALLONS): _____

PUMP CHAMBER CAPACITY (GALLONS): _____

NUMBER OF BEDROOMS: _____

SQUARE FEET PER BEDROOM: _____

LINEAR FEET OF TRENCH REQUIRED: _____

TRENCHES:	Trench to be _____ feet wide. Inlet _____ feet below original grade. Bottom maximum depth _____ feet below original grade. Effective area begins at _____ feet below original grade. _____ feet of stone below distribution pipe.
LOCATION:	_____
PURPOSE:	_____

PLANS APPROVED: _____ DATE: 9/9/75

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

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 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

**BUILDING PERMIT SIGNED
AND RETURNED 7-3-02
800137277-GARAGE**

A46189-W

B 1 7119

SEQUENCE NO. (OEP USE ONLY)

12/98

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-1310

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

NEW OWNER

please print or type

fill in this form completely

Date Received

MIKE JOHNSON INDEXED

B 3

LOCATION OF WELL

OWNER INFORMATION: Last Name: JOHNSON, First Name: MIKE, Street or RFD: 116LS7 FREDERICK Rd, Town: MT AIRY, State: MD, Zip: 21771

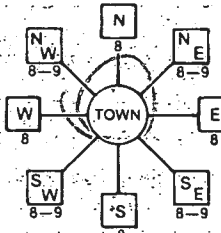
LOCATION OF WELL: COUNTY: HOWARD, SUBDIVISION: MAP 7 PARCEL 59, SECTION: 44, LOT: 48, NEAREST TOWN: POPLAR SPRING, MILES FROM TOWN: 0 MI

DRILLER INFORMATION

Driller's Name: Daniel Easterday, License No. 41, Firm Name: Franklin Easterday, Inc., Address: 9265 Brown Church Rd, Mt Airy, MD 21771, Date: 7-6-85

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



NEAR WHAT ROAD: RT 144

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): WEST



DISTANCE FROM ROAD: 240 FT

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL PER MIN.): 5, AVERAGE DAILY QUANTITY NEEDED (GAL PER DAY): 1200

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, Public or private water company, Test, observation, monitoring

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME: HOWARD, COUNTY NO., OEP SIGNATURE, DATE ISSUED: 07/16/86, CO SIGNATURE: S. Wilson, EXP. DATE, NORTH GRID: 549000, EAST GRID: 0772000

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. Well

WRITE THE BOX NUMBER FROM THE MAP HERE

7702, 55049

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 deepen 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 INITIALS IN BOX: PA, PERMIT NO.: HO-81-1310

SPECIAL CONDITIONS

DRILLER

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

HO-81-1041

SEQUENCE NO. (OEP USE ONLY) 8692

please print or type

Date Received 7/8/85 9:30 AM. OWNER INFORMATION: Harold A. Charles, 16657 Frederica Ave, Mt Airy, MD 21177

DRILLER INFORMATION: Daniel Easterday, 411, 9265 Brown Church Rd Mt. Airy Md, Daniel Easterday

WELL INFORMATION: APPROX. PUMPING RATE (GAL. PER MIN.) 5, AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 600

- USE FOR WATER (CIRCLE APPROPRIATE BOX): F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

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

METHOD OF DRILLING (circle one): AIR-ROTARY, DRIVE-POINT

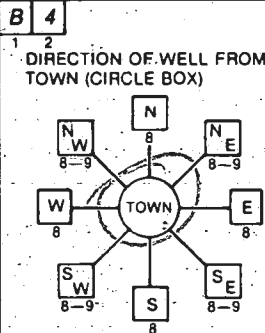
REPLACEMENT OR DEEPEMED WELLS: THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (OEP USE ONLY): FORCE INITIALS IN BOX CW, PERMIT NO. HO-81-1041

SPECIAL CONDITIONS

LOCATION OF WELL

Howard, MAP 7 PARCELS 9, SECTION 44, LOT 48, Poodiat Springs, 0.9 MI

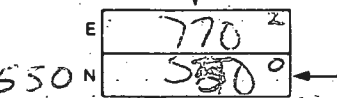


RA 144, NEAR WHAT ROAD, ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX), DISTANCE FROM ROAD 240 FT

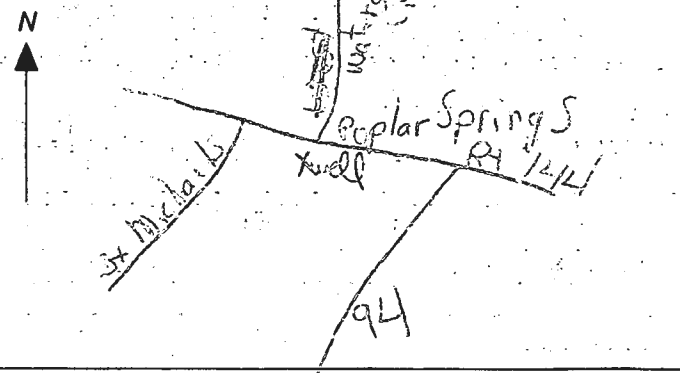
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard, COUNTY NAME, COUNTY NO., OEP SIGNATURE, DATE ISSUED 05/29/85, NORTH GRID 550000, EAST GRID 0772000

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



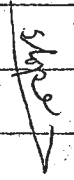
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



Horton Prop.
1665.7 Rt 144

W proposed well
for garden use only

200'



House

well in pit

septic field

per Mrs. Horton

prop line

ditchway

Rt 144

5/29/85 Proposed well location looks - OK. JS

ROAD

FREDERICK ROAD (MARYLAND ROUTE #144)

1/2 Rebar Found (HELD)
CHAIN LINK FENCE

GUY WIRE

CLEAN OUT

CLEAN OUT

EXISTING HOUSE

1/2 Rebar Found (HELD)

PROPERTY OF THE TRUSTEES OF UNION CHAPEL OF HOWARD COUNTY, THE TRUSTEES OF HOWARD COUNTY, THE TRUSTEES OF TRUSTEES OF EL METHODIST CHURCH, TRUSTEES OF POPULAR STATE OF LESSTANT METHODIST CHURCH, PROTESTANT SPRINGS MARYLAND, LIBER 141, FOLIO 207

16657 Frederick Rd Mt. Airy

LOT LINE OF ADJOINING PROPERTY

AREA = 0.718 ACRES

PROPERTY OF ROBERT A. MULLINIX AND SARA JANE MULLINIX LIBER 2048, FOLIO 224

NOTE:
AN APPARENT OVERLAP EXISTS BETWEEN THE PROPERTY ALONG THE 522°24'43"W ~ 222.16 FOOT LINE OF THIS SURVEY.

Stone Found (1.0'x0.5') (HELD)

EXISTING WELL

POLE BARN

24'4"

24'4"

15'4"

SATELLITE DISH

EXISTING WELL

1/2 Rebar Found (HELD)

PROPERTY OF RANDY ALLEN DRIVER AND CYNTHIA KAY DRIVER LIBER 3976, FOLIO 248 (SECOND PARCEL)

PROPERTY OF RANDY ALLEN DRIVER AND CYNTHIA KAY DRIVER LIBER 3976, FOLIO 248 (FIRST PARCEL)

7/3/02 prepared Pole barn OK-SRH

1/2 Pipe Found

Rebar & Cap w/10770 Found

1 1/2 Iron Rod Found

PLAT OF SURVEY
#16657 FREDERICK ROAD
TAX MAP No. 7, PARCEL No. 59
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



Scale: 1" = 50'

DATE: NOVEMBER 29, 1999

WHER, COLLINS & CARTER, INC.
ENGINEERING CONSULTANTS & LAND SURVEYORS

ANNUAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855